

# TEST REPORT

**Applicant:** MEIZU TECHNOLOGY CO., LTD.  
**Address:** MEIZU Tech Bldg, Technology & Innovation Coast,  
Zhuhai, 519085, Guangdong, China  
**Equipment Type:** Mobile Phone  
**Model Name:** M512H  
**Brand Name:** MEIZU  
**FCC ID:** 2ANQ6-M512H  
**Test Standard:** 47 CFR Part 2  
(Others refer to chapter 3.1)  
**Sample Arrival Date:** Apr. 07, 2025  
**Test Date:** Apr. 07, 2025 - Apr. 15, 2025  
**Date of Issue:** Apr. 17, 2025

**ISSUED BY:**

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Lin Xiangyuan**Checked by:** Wu Huihui**Approved by:** Tolan Tu  
(Testing Director)

Revision History

| Version        | Issue Date           | Revisions Content    |
|----------------|----------------------|----------------------|
| <u>Rev. 01</u> | <u>Apr. 17, 2025</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 type="checkbox"/> Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China                                                                              |
|                           | <input checked="" type="checkbox"/> 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China |
| Accreditation Certificate | The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.                                                                                                   |

## 2 PRODUCT INFORMATION

### 2.1 Applicant Information

|           |                                                                                  |
|-----------|----------------------------------------------------------------------------------|
| Applicant | 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                     | M512H                 |
| Series Model Name                         | N/A                   |
| Description of Model name differentiation | N/A                   |
| Hardware Version                          | V1.0                  |
| Software Version                          | Android 15            |
| Dimensions (Approx.)                      | 170.75mm*77.5mm*8.5mm |
| Weight (Approx.)                          | N/A                   |

## 2.4 Technical Information

|                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| All Network and Wireless connectivity for EUT                                                                                                                                                                                            | 2G Network GSM/GPRS/EDGE 850/1900<br>3G Network WCDMA/HSDPA/HSUPA Band 2/4/5<br>4G Network LTE FDD Band 2/4/5/7/12/17/18/19/26/66<br>LTE TDD Band 38/41<br>Bluetooth (BR+EDR+BLE)<br>WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20/40) and 802.11ac(VHT20/40/80)<br>GPS, GLONASS, BDS, Galileo, NFC |
| 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, 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/EDGE 850/1900<br>WCDMA/HSDPA/HSUPA Band 2/4/5<br>FDD LTE Band 2/4/5/7/12/17/18/19/26/66<br>TDD LTE 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    | PIFA Antenna                                                                                                                                                                                                                                                                                                                                                   |               |
| Antenna Gain    | GSM/GPRS/EGPRS 850: -2.85 dBi<br>GSM/GPRS/EGPRS 1900: 0.85 dBi<br>WCDMA/HSDPA/HSUPA Band 2: 0.94 dBi<br>WCDMA/HSDPA/HSUPA Band 4: 0.55 dBi<br>WCDMA/HSDPA/HSUPA Band 5: -2.85 dBi<br>FDD LTE Band 2: 0.94 dBi<br>FDD LTE Band 4: 0.55 dBi<br>FDD LTE Band 5: -2.85 dBi<br>FDD LTE Band 7: 1.96 dBi<br>FDD LTE Band 12: -1.61 dBi<br>FDD LTE Band 17: -1.63 dBi |               |

|                                    |             |      | FDD LTE Band 18: -2.86 dBi<br>FDD LTE Band 19: -2.85 dBi<br>FDD LTE Band 26: -2.86 dBi<br>FDD LTE Band 66: 0.55 dBi<br>TDD LTE Band 38: 2.21 dBi<br>TDD LTE Band 41: 2.23 dBi                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |
|------------------------------------|-------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| The Max RF Output Power (EIRP/ERP) |             |      | GSM/GPRS/EGPRS 850: 28.37dBm<br>GSM/GPRS/EGPRS 1900: 30.78 dBm<br>WCDMA/HSDPA/HSUPA Band 2: 23.08 dBm<br>WCDMA/HSDPA/HSUPA Band 4: 23.00 dBm<br>WCDMA/HSDPA/HSUPA Band 5: 18.01 dBm<br>FDD LTE Band 2: 22.87 dBm<br>FDD LTE Band 4: 23.22 dBm<br>FDD LTE Band 5: 18.11 dBm<br>FDD LTE Band 7: 24.31 dBm<br>FDD LTE Band 12: 19.24 dBm<br>FDD LTE Band 17: 19.13 dBm<br>FDD LTE Band 18 (part22): 18.01 dBm<br>FDD LTE Band 18 (part90): 17.79 dBm<br>FDD LTE Band 19: 18.24 dBm<br>FDD LTE Band 26 (part22): 18.05 dBm<br>FDD LTE Band 26 (part90): 17.92 dBm<br>TDD LTE Band 38: 25.66 dBm<br>TDD LTE Band 41: 25.71 dBm<br>FDD LTE Band 66: 23.29 dBm |                     |
| Band                               | Power Class |      | Tx Frequency Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Rx Frequency Range  |
|                                    | GMSK        | 8PSK |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |
| GSM850                             | 4           | E2   | 824 MHz ~ 849 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 869 MHz ~ 894 MHz   |
| GSM1900                            | 1           | E2   | 1850 MHz ~ 1910 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1930 MHz ~ 1990 MHz |
| WCDMA B2                           | 3           |      | 1850 MHz ~ 1910 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1930 MHz ~ 1990 MHz |
| WCDMA B4                           | 3           |      | 1710 MHz ~ 1755 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2110 MHz ~ 2155 MHz |
| WCDMA B5                           | 3           |      | 824 MHz ~ 849 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 869 MHz ~ 894 MHz   |
| LTE B2                             | 3           |      | 1850 MHz ~ 1910 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1930 MHz ~ 1990 MHz |
| LTE B4                             | 3           |      | 1710 MHz ~ 1755 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2110 MHz ~ 2155 MHz |
| LTE B5                             | 3           |      | 824 MHz ~ 849 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 869 MHz ~ 894 MHz   |
| LTE B7                             | 3           |      | 2500 MHz ~ 2570 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2620 MHz ~ 2690 MHz |
| LTE B12                            | 3           |      | 699 MHz ~ 716 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 729 MHz ~ 746 MHz   |
| LTE B17                            | 3           |      | 704 MHz ~ 716 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 734 MHz ~ 746 MHz   |
| LTE B18 <sup>Note3</sup>           | 3           |      | 815 MHz ~ 824 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 860 MHz ~ 869 MHz   |
|                                    |             |      | 824 MHz ~ 830 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 869 MHz ~ 875 MHz   |
| LTE B19                            | 3           |      | 2496 MHz ~ 2690 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2496 MHz ~ 2690 MHz |
| LTE B26 <sup>Note2</sup>           | 3           |      | 814 MHz ~ 849 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 859 MHz ~ 894 MHz   |
|                                    |             |      | 824 MHz ~ 849 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 869 MHz ~ 894 MHz   |
| LTE B38                            | 3           |      | 2570 MHz ~ 2620 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2570 MHz ~ 2620 MHz |

|         |   |                     |                     |
|---------|---|---------------------|---------------------|
| LTE B41 | 3 | 2496 MHz ~ 2690 MHz | 2496 MHz ~ 2690 MHz |
| LTE B66 | 3 | 1710 MHz ~ 1780 MHz | 2110 MHz ~ 2180 MHz |

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

Note2: LTE Band26 (814-824MHz & 859-869MHz) are only applicable in the United States.

Note3: LTE Band 18 (815-824MHz & 860-869MHz) are only applicable in the United States.

### 3 SUMMARY OF TEST RESULTS

#### 3.1 Test Standards

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

### 3.2 Test Verdict

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

### 3.3 Measurement Uncertainty

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

## 4 GENERAL TEST CONFIGURATIONS

### 4.1 Test Environments

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

|                             |                         |                   |
|-----------------------------|-------------------------|-------------------|
| Relative Humidity           |                         | 20% to 75%        |
| Atmospheric Pressure        |                         | 98 kPa to 102 kPa |
| Test Voltage of the EUT     | NV (Normal Voltage)     | 3.84V             |
|                             | LV (Low Voltage)        | 3.5V              |
|                             | 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)   | +50 °C            |

### 4.2 Test Equipment List

| Description                          | Manufacturer | Model      | Serial No.             | Version  | Cal. Date  | Cal. Due   |
|--------------------------------------|--------------|------------|------------------------|----------|------------|------------|
| <b>2/3/4/5G RF Test System</b>       |              |            |                        |          |            |            |
| BL410 Test Software                  | BALUN        | BL410R     | N/A                    | 3.0.536  | N/A        | N/A        |
| CMUgo Test Software                  | R&S          | CMUgo      | N/A                    | V2.0.1   | N/A        | N/A        |
| Temperature Chamber                  | OK           | OK-TH-100C | OK2022110401           | N/A      | 2024/10/31 | 2025/10/30 |
| Universal Radio Communication Tester | R&S          | CMU 200    | 119280                 | V5.13    | 2024-12-19 | 2025-12-18 |
| Wideband Radio Communication Tester  | R&S          | CMW 500    | 100854                 | V3.7.172 | 2024-04-25 | 2025-04-24 |
| Wideband Radio Communication Tester  | R&S          | CMW 500    | 120598                 | V3.7.172 | 2024-09-11 | 2025-09-10 |
| Spectrum Analyzer                    | Agilent      | E4440A     | MY46181663             | A.11.21  | 2024-08-12 | 2025-08-11 |
| DC Power Supply                      | ITECH        | IT6863A    | 8000140207<br>57120008 | N/A      | 2024-08-16 | 2025-08-15 |
| <b>Radiated Test System</b>          |              |            |                        |          |            |            |
| Radiated Test System Test Software   | BALUN        | BL410-E    | N/A                    | V22.4    | N/A        | N/A        |

|                                     |             |            |            |          |            |            |
|-------------------------------------|-------------|------------|------------|----------|------------|------------|
| Wideband Radio Communication Tester | R&S         | CMW 500    | 100854     | V3.7.172 | 2024-04-25 | 2025-04-24 |
| Wideband Radio Communication Tester | R&S         | CMW 500    | 120598     | V3.7.172 | 2024-09-11 | 2025-09-10 |
| Test Antenna-Bi-Log(30 MHz-3 GHz)   | Schwarzbeck | VULB 9163  | 01414      | N/A      | 2023-11-03 | 2026-11-02 |
| Test Antenna-Horn(1-18 GHz)         | Schwarzbeck | BBHA 9120D | 02459      | N/A      | 2023-10-26 | 2026-10-25 |
| Anechoic Chamber                    | YIHENG      | C8-966     | N/A        | N/A      | 2024-05-15 | 2027-05-11 |
| EMI Receiver                        | Keysight    | N9038A     | MY55330121 | A.20.03  | 2024-04-23 | 2025-04-22 |

### 4.3 Test Configurations

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

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

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

| LTE Band                             | Bandwidth (MHz) |    |    |    |    |    | Modulation Type |        | RB# |      |      | Test Channel |     |     |
|--------------------------------------|-----------------|----|----|----|----|----|-----------------|--------|-----|------|------|--------------|-----|-----|
|                                      | 1.4             | 3  | 5  | 10 | 15 | 20 | QPSK            | 16-QAM | 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   |
| 18(Part22)                           | n               | n  | v  | -- | -- | n  | v               | v      | v   | v    | v    | v            | v   | v   |
| 18(Part90)                           | n               | n  | v  | -- | -- | n  | v               | v      | v   | v    | v    | v            | v   | v   |
| 19                                   | n               | n  | v  | v  | v  | 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   |
| 18(Part22)                           | n               | n  | v  | -- | -- | n  | v               | v      | --  | --   | v    | v            | v   | v   |
| 18(Part90)                           | n               | n  | v  | -- | -- | n  | v               | v      | --  | --   | v    | v            | v   | v   |
| 19                                   | n               | n  | v  | v  | v  | 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   |

| 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 |
| 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   | --  |
| 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      |    |    |    |    |    |                 |        |     |      |      |              |     |     |

| 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 |
| 5                                                                         | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 7                                                                         | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 12                                                                        | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 17                                                                        | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 26(Part22)                                                                | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 26(Part90)                                                                | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 38                                                                        | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 41                                                                        | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 66                                                                        | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| Note 1: The mark “v” means that this configuration is chosen for testing. |                 |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| Note 2: The mark “n” means that this bandwidth is not supported.          |                 |   |   |    |    |    |                 |        |     |      |      |              |     |     |

| Test Mode  | UL Channel   | Channel Bandwidth (MHz) | UL Channel No. | UL Frequency (MHz) |
|------------|--------------|-------------------------|----------------|--------------------|
| LTE Band 2 | Low Range    | 1.4                     | 18607          | 1850.7             |
|            |              | 3                       | 18615          | 1851.5             |
|            |              | 5                       | 18625          | 1852.5             |
|            |              | 10                      | 18650          | 1855               |
|            |              | 15                      | 18675          | 1857.5             |
|            |              | 20                      | 18700          | 1860               |
|            | Middle Range | 1.4/3/5/10/15/20        | 18900          | 1880               |
|            | High Range   | 1.4                     | 19193          | 1909.3             |
|            |              | 3                       | 19185          | 1908.5             |
|            |              | 5                       | 19175          | 1907.5             |
|            |              | 10                      | 19150          | 1905               |
|            |              | 15                      | 19125          | 1902.5             |
|            |              | 20                      | 19100          | 1900               |
| LTE Band 4 | Low Range    | 1.4                     | 19957          | 1710.7             |
|            |              | 3                       | 19965          | 1711.5             |
|            |              | 5                       | 19975          | 1712.5             |
|            |              | 10                      | 20000          | 1715               |
|            |              | 15                      | 20025          | 1717.5             |
|            |              | 20                      | 20050          | 1720               |
|            | Middle Range | 1.4/3/5/10/15/20        | 20175          | 1732.5             |
|            | High Range   | 1.4                     | 20393          | 1754.3             |
|            |              | 3                       | 20385          | 1753.5             |
|            |              | 5                       | 20375          | 1752.5             |
|            |              | 10                      | 20350          | 1750               |
|            |              | 15                      | 20325          | 1747.5             |
|            |              | 20                      | 20300          | 1745               |
| LTE Band 5 | Low Range    | 1.4                     | 20407          | 824.7              |

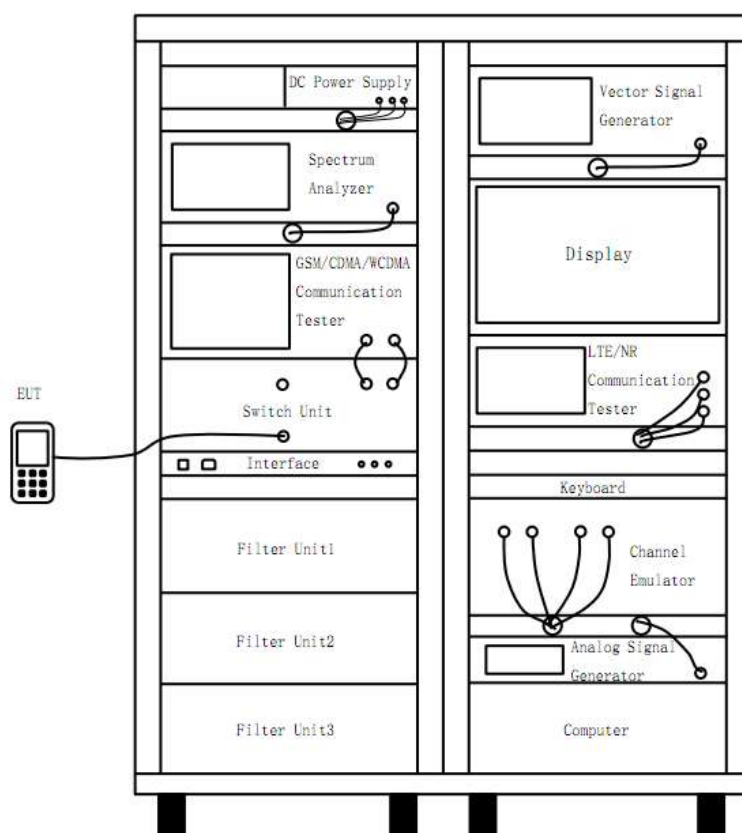
| Test Mode            | UL Channel   | Channel Bandwidth (MHz) | UL Channel No. | UL Frequency (MHz) |
|----------------------|--------------|-------------------------|----------------|--------------------|
|                      |              | 3                       | 20415          | 825.5              |
|                      |              | 5                       | 20425          | 826.5              |
|                      |              | 10                      | 20450          | 829                |
|                      | Middle Range | 1.4/3/5/10              | 20525          | 836.5              |
|                      | High Range   | 1.4                     | 20643          | 848.3              |
|                      |              | 3                       | 20635          | 847.5              |
|                      |              | 5                       | 20625          | 846.5              |
|                      |              | 10                      | 20600          | 844                |
| LTE Band 7           | Low Range    | 5                       | 20775          | 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          | 699.7              |
|                      |              | 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          | 706.5              |
|                      |              | 10                      | 23780          | 709                |
|                      | Middle Range | 5/10                    | 23790          | 710                |
|                      | High Range   | 5                       | 23825          | 713.5              |
|                      |              | 10                      | 23800          | 711                |
| LTE Band 18 (Part90) | Low Range    | 5                       | 23875          | 817.5              |
|                      | Middle Range | 5                       | 23895          | 819.5              |
|                      | High Range   | 5                       | 23915          | 821.5              |
| LTE Band 18 (Part22) | Low Range    | 5                       | 23965          | 826.5              |
|                      | Middle Range | 5                       | 23970          | 827                |
|                      | High Range   | 5                       | 23975          | 827.5              |
| LTE Band 19          | Low Range    | 5                       | 24025          | 832.5              |
|                      |              | 10                      | 24050          | 835                |
|                      |              | 15                      | 24075          | 837.5              |
|                      | Middle Range | 5/10/15                 | 24075          | 837.5              |

| Test Mode            | UL Channel   | Channel Bandwidth (MHz) | UL Channel No. | UL Frequency (MHz) |
|----------------------|--------------|-------------------------|----------------|--------------------|
|                      | High Range   | 5                       | 24125          | 842.5              |
|                      |              | 10                      | 24100          | 840                |
|                      |              | 15                      | 24075          | 837.5              |
| LTE Band 26 (Part22) | Low Range    | 1.4                     | 26797          | 824.7              |
|                      |              | 3                       | 26805          | 825.5              |
|                      |              | 5                       | 26815          | 826.5              |
|                      |              | 10                      | 26840          | 829                |
|                      |              | 15                      | 26865          | 831.5              |
|                      | Middle Range | 1.4/3/5/10/15           | 26915          | 836.5              |
|                      | High Range   | 1.4                     | 27033          | 848.3              |
|                      |              | 3                       | 27025          | 847.5              |
|                      |              | 5                       | 27015          | 846.5              |
|                      |              | 10                      | 26990          | 844                |
|                      |              | 15                      | 26965          | 841.5              |
| LTE Band 26 (Part90) | Low Range    | 1.4                     | 26697          | 814.7              |
|                      |              | 3                       | 26705          | 815.5              |
|                      |              | 5                       | 26715          | 816.5              |
|                      |              | 10                      | ---            | ---                |
|                      | Middle Range | 1.4/3/5/10              | 26740          | 819                |
|                      | High Range   | 1.4                     | 26783          | 823.3              |
|                      |              | 3                       | 26775          | 822.5              |
|                      |              | 5                       | 26765          | 821.5              |
|                      |              | 10                      | ---            | ---                |
| LTE Band 38          | Low Range    | 5                       | 37775          | 2572.5             |
|                      |              | 10                      | 37800          | 2575               |
|                      |              | 15                      | 37825          | 2577.5             |
|                      |              | 20                      | 37850          | 2580               |
|                      | Middle Range | 5/10/15/20              | 38000          | 2595               |
|                      | High Range   | 5                       | 38225          | 2617.5             |
|                      |              | 10                      | 38200          | 2615               |
|                      |              | 15                      | 38175          | 2612.5             |
|                      |              | 20                      | 38150          | 2610               |
| LTE Band 41          | Low Range    | 5                       | 39675          | 2498.5             |
|                      |              | 10                      | 39700          | 2501               |
|                      |              | 15                      | 39725          | 2503.5             |
|                      |              | 20                      | 39750          | 2506               |
|                      | Middle Range | 5/10/15/20              | 40620          | 2593               |
|                      | High Range   | 5                       | 41565          | 2687.5             |
|                      |              | 10                      | 41540          | 2685               |
|                      |              | 15                      | 41515          | 2682.5             |
|                      |              | 20                      | 41490          | 2680               |

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

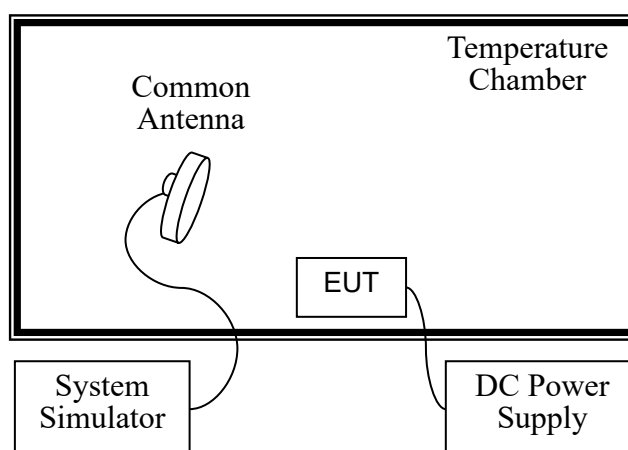
## 4.4 Test Setup

### 4.4.1 For Antenna Port Test



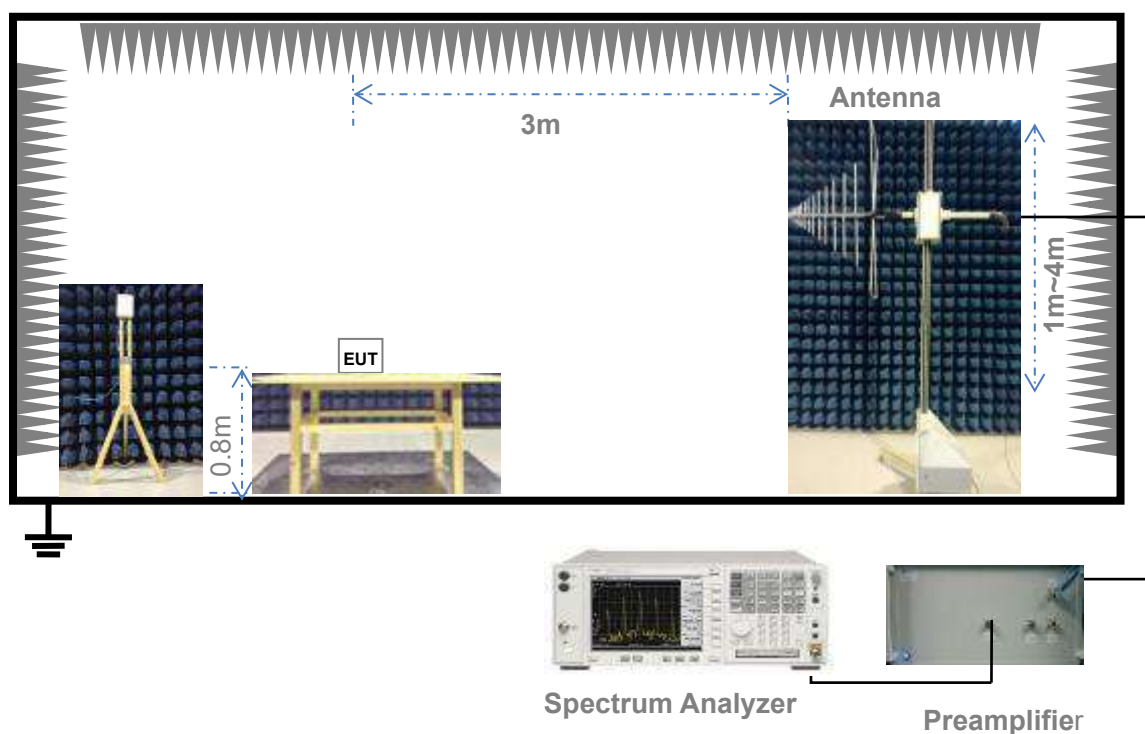
(Diagram 1)

### 4.4.2 For Frequency Stability Test



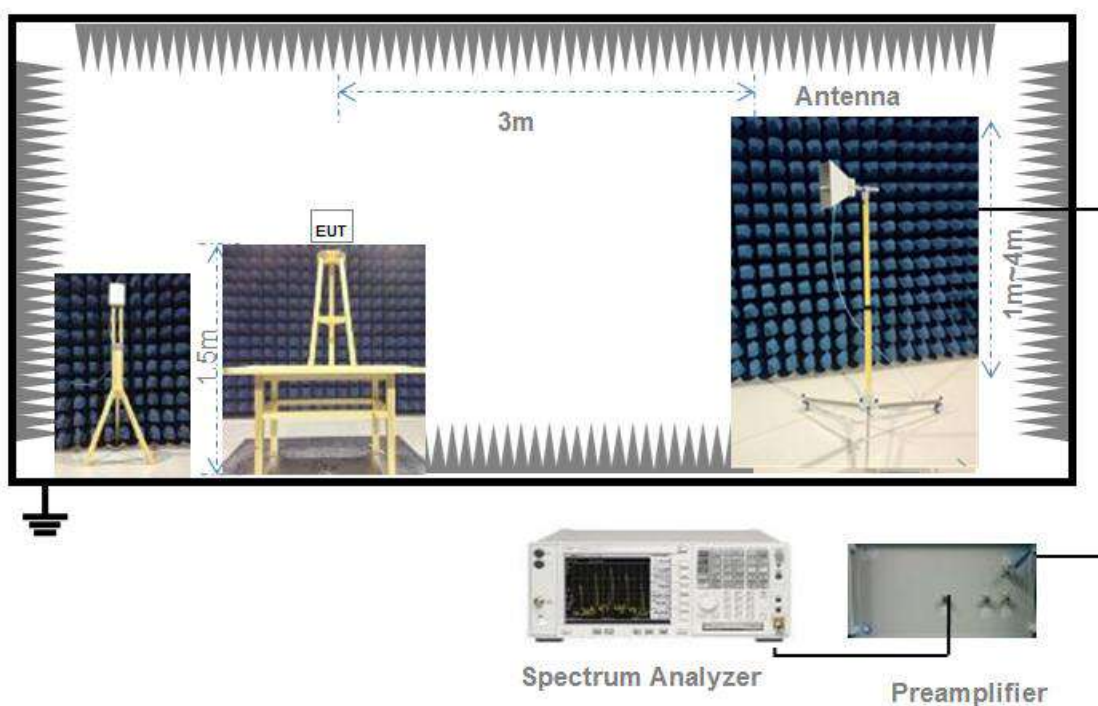
(Diagram 2)

#### 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) & 96.41(b)

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

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

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

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

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

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

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

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

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

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

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

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.

FCC section 96.41(b), the maximum effective isotropic radiated power (EIRP) and maximum Power Spectral Density (PSD) of any CBSD and End User Device must comply with the limits shown in the table in this paragraph below:

| Device                                                                                                                                         | Maximum EIRP (dBm/10 megahertz) | Maximum PSD (dBm/MHz) |
|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------|
| End User Device                                                                                                                                | 23                              | N/A                   |
| Category A CBSD                                                                                                                                | 30                              | 20                    |
| Category B CBSD <sup>note1</sup>                                                                                                               | 47                              | 37                    |
| Note1: Category B CBSDs will only be authorized for use after an ESC is approved and commercially deployed consistent with §§ 96.15 and 96.67. |                                 |                       |

### 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 & 96.41(e)

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.

#### FCC § 96.41(e)

The conducted power of any emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0-10 megahertz above the upper SAS-assigned channel edge and within 0-10 megahertz below the lower SAS-assigned channel edge. At all frequencies greater than 10 megahertz above the upper SAS assigned channel edge and less than 10 MHz below the lower SAS assigned channel edge, the conducted power of any emission shall not exceed -25 dBm/MHz. The conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40 dBm/MHz.

Compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for frequencies less than 1 GHz and 1 MHz or greater for frequencies greater than 1 GHz. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. 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 emission are attenuated at least 26 dB below the transmitter power.

### 5.5.2 Test Setup

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

### 5.5.3 Test Procedure

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. On any frequency outside a licensee's frequency block, the power of any emission shall be attenuated below the transmitter power (P) by at least  $43 + 10 \log (P)$  dB. Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside

and adjacent to the frequency blocks a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

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

Sweep point number = Span/RBW

VBW=3\*RBW

Detector Mode=mean or average power

5. Record the frequencies and levels of spurious emissions.

#### 5.5.4 Test Result

Please refer to ANNEX A.5.

## 5.6 Band Edge

### 5.6.1 Limit

FCC § 2.1051 & 22.917(a) & 24.238(a) & 27.53(a) & 27.53(c) & 27.53(f) & 27.53(g) & 27.53(h) & 27.53(l) & 27.53(m) & 27.53(n) & 90.691 & 90.543 & 96.41(e)

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.

#### FCC § 96.41(e)

The conducted power of any emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0-10 megahertz above the upper SAS-assigned channel edge and within 0-10 megahertz below the lower SAS-assigned channel edge. At all frequencies greater than 10 megahertz above the upper SAS assigned channel edge and less than 10 MHz below the lower SAS assigned channel edge, the conducted power of any emission shall not exceed -25 dBm/MHz. The conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40 dBm/MHz.

Compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for frequencies less than 1 GHz and 1 MHz or greater for frequencies greater than 1 GHz. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. 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 emission are attenuated at least 26 dB below the transmitter power.

### 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  $1\% \cdot \text{cBW}$  (RBW), and sweep point number referred to following formula.

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

VBW=3RBW

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.

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

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

#### 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 & 96.41(e)

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(i) (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.

#### FCC § 96.41(e)

The conducted power of any emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0-10 megahertz above the upper SAS-assigned channel edge and within 0-10 megahertz below the lower SAS-assigned channel edge. At all frequencies greater than 10 megahertz above the upper SAS assigned channel edge and less than 10 MHz below the lower SAS assigned channel edge, the conducted power of any emission shall not exceed -25 dBm/MHz. The conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40 dBm/MHz.

Compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for frequencies less than 1 GHz and 1 MHz or greater for frequencies greater than 1 GHz. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. 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 emission are attenuated at least 26 dB below the transmitter power.

#### 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          | 33.37                             | -2.85              | -5.00              | 28.37     | 0.687   | 7.00      | Pass    |
|           | MCH          | 33.37                             | -2.85              | -5.00              | 28.37     | 0.687   | 7.00      | Pass    |
|           | HCH          | 33.30                             | -2.85              | -5.00              | 28.30     | 0.676   | 7.00      | Pass    |
| GPRS 850  | LCH          | 33.35                             | -2.85              | -5.00              | 28.35     | 0.684   | 7.00      | Pass    |
|           | MCH          | 33.35                             | -2.85              | -5.00              | 28.35     | 0.684   | 7.00      | Pass    |
|           | HCH          | 33.27                             | -2.85              | -5.00              | 28.27     | 0.671   | 7.00      | Pass    |
| EGPRS 850 | LCH          | 30.68                             | -2.85              | -5.00              | 25.68     | 0.370   | 7.00      | Pass    |
|           | MCH          | 30.71                             | -2.85              | -5.00              | 25.71     | 0.372   | 7.00      | Pass    |
|           | HCH          | 30.77                             | -2.85              | -5.00              | 25.77     | 0.378   | 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          | 29.90                             | 0.85               | 30.75      | 1.189    | 2.00      | Pass    |
|            | MCH          | 29.03                             | 0.85               | 29.88      | 0.973    | 2.00      | Pass    |
|            | HCH          | 28.80                             | 0.85               | 29.65      | 0.923    | 2.00      | Pass    |
| GPRS 1900  | LCH          | 29.93                             | 0.85               | 30.78      | 1.197    | 2.00      | Pass    |
|            | MCH          | 29.05                             | 0.85               | 29.90      | 0.977    | 2.00      | Pass    |
|            | HCH          | 28.83                             | 0.85               | 29.68      | 0.929    | 2.00      | Pass    |
| EGPRS 1900 | LCH          | 27.80                             | 0.85               | 28.65      | 0.733    | 2.00      | Pass    |
|            | MCH          | 27.87                             | 0.85               | 28.72      | 0.745    | 2.00      | Pass    |
|            | HCH          | 28.09                             | 0.85               | 28.94      | 0.783    | 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     | 33.35                       | 2.16          | 32.70            | 1.86           | 31.10            | 1.29           | 30.08            | 1.02           |
|              | MCH     | 33.35                       | 2.16          | 32.70            | 1.86           | 31.10            | 1.29           | 30.04            | 1.01           |
|              | HCH     | 33.27                       | 2.12          | 32.63            | 1.83           | 31.04            | 1.27           | 29.95            | 0.99           |
| GPRS<br>1900 | LCH     | 29.93                       | 0.98          | 29.13            | 0.82           | 27.42            | 0.55           | 26.39            | 0.44           |
|              | MCH     | 29.05                       | 0.80          | 28.32            | 0.68           | 26.63            | 0.46           | 25.54            | 0.36           |
|              | HCH     | 28.83                       | 0.76          | 28.08            | 0.64           | 26.38            | 0.43           | 25.31            | 0.34           |

EGPRS Conducted Output Power

| Band          | Channel | Conducted Output Peak Power |               |                  |                |                  |                |                  |                |
|---------------|---------|-----------------------------|---------------|------------------|----------------|------------------|----------------|------------------|----------------|
|               |         | 1 Slot<br>(dBm)             | 1 Slot<br>(W) | 2 Slots<br>(dBm) | 2 Slots<br>(W) | 3 Slots<br>(dBm) | 3 Slots<br>(W) | 4 Slots<br>(dBm) | 4 Slots<br>(W) |
| EGPRS<br>850  | LCH     | 30.68                       | 1.17          | 29.71            | 0.93           | 27.81            | 0.60           | 26.95            | 0.50           |
|               | MCH     | 30.71                       | 1.18          | 29.85            | 0.97           | 27.88            | 0.61           | 27.04            | 0.51           |
|               | HCH     | 30.77                       | 1.19          | 29.80            | 0.95           | 27.87            | 0.61           | 26.86            | 0.49           |
| EGPRS<br>1900 | LCH     | 27.80                       | 0.60          | 27.16            | 0.52           | 25.69            | 0.37           | 24.82            | 0.30           |
|               | MCH     | 27.87                       | 0.61          | 27.19            | 0.52           | 25.66            | 0.37           | 24.78            | 0.30           |
|               | HCH     | 28.09                       | 0.64          | 27.29            | 0.54           | 26.03            | 0.40           | 24.70            | 0.30           |

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          | 21.34                           | 0.94               | 22.28      | 0.169    | 2.00      | Pass    |
|              | MCH          | 21.45                           | 0.94               | 22.39      | 0.173    | 2.00      | Pass    |
|              | HCH          | 22.14                           | 0.94               | 23.08      | 0.203    | 2.00      | Pass    |
| HSDPA Band 2 | LCH          | 20.37                           | 0.94               | 21.31      | 0.135    | 2.00      | Pass    |
|              | MCH          | 20.34                           | 0.94               | 21.28      | 0.134    | 2.00      | Pass    |
|              | HCH          | 20.71                           | 0.94               | 21.65      | 0.146    | 2.00      | Pass    |
| HSUPA Band 2 | LCH          | 19.36                           | 0.94               | 20.30      | 0.107    | 2.00      | Pass    |
|              | MCH          | 19.35                           | 0.94               | 20.29      | 0.107    | 2.00      | Pass    |
|              | HCH          | 19.70                           | 0.94               | 20.64      | 0.116    | 2.00      | Pass    |

| Test Band    | Test Channel | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------|--------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| WCDMA Band 4 | LCH          | 22.45                           | 0.55               | 23.00      | 0.200    | 1.00      | Pass    |
|              | MCH          | 22.28                           | 0.55               | 22.83      | 0.192    | 1.00      | Pass    |
|              | HCH          | 22.20                           | 0.55               | 22.75      | 0.188    | 1.00      | Pass    |
| HSDPA Band 4 | LCH          | 21.43                           | 0.55               | 21.98      | 0.158    | 1.00      | Pass    |
|              | MCH          | 21.38                           | 0.55               | 21.93      | 0.156    | 1.00      | Pass    |
|              | HCH          | 21.29                           | 0.55               | 21.84      | 0.153    | 1.00      | Pass    |
| HSUPA Band 4 | LCH          | 20.42                           | 0.55               | 20.97      | 0.125    | 1.00      | Pass    |
|              | MCH          | 20.33                           | 0.55               | 20.88      | 0.122    | 1.00      | Pass    |
|              | HCH          | 20.23                           | 0.55               | 20.78      | 0.120    | 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          | 22.77                           | -2.85              | -5.00              | 17.77     | 0.060   | 7.00      | Pass    |
|              | MCH          | 22.88                           | -2.85              | -5.00              | 17.88     | 0.061   | 7.00      | Pass    |
|              | HCH          | 23.01                           | -2.85              | -5.00              | 18.01     | 0.063   | 7.00      | Pass    |
| HSDPA Band 5 | LCH          | 21.79                           | -2.85              | -5.00              | 16.79     | 0.048   | 7.00      | Pass    |
|              | MCH          | 21.90                           | -2.85              | -5.00              | 16.90     | 0.049   | 7.00      | Pass    |
|              | HCH          | 22.00                           | -2.85              | -5.00              | 17.00     | 0.050   | 7.00      | Pass    |
| HSUPA Band 5 | LCH          | 20.80                           | -2.85              | -5.00              | 15.80     | 0.038   | 7.00      | Pass    |
|              | MCH          | 20.91                           | -2.85              | -5.00              | 15.91     | 0.039   | 7.00      | Pass    |
|              | HCH          | 21.02                           | -2.85              | -5.00              | 16.02     | 0.040   | 7.00      | Pass    |

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

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

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

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

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

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

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

#### HSDPA Conducted Output Power

| Conducted Output Power |               | EIRP (dBm) |       |       | EIRP (W) |       |       |
|------------------------|---------------|------------|-------|-------|----------|-------|-------|
| Band                   | Configuration | LCH        | MCH   | HCH   | LCH      | MCH   | HCH   |
| HSDPA B2               | Subtest 1     | 20.37      | 20.34 | 20.71 | 0.109    | 0.108 | 0.118 |
|                        | Subtest 2     | 20.35      | 20.26 | 20.61 | 0.108    | 0.106 | 0.115 |
|                        | Subtest 3     | 19.88      | 19.79 | 20.18 | 0.097    | 0.095 | 0.104 |
|                        | Subtest 4     | 19.82      | 19.76 | 20.07 | 0.096    | 0.095 | 0.102 |
| HSDPA B4               | Subtest 1     | 21.43      | 21.38 | 21.29 | 0.139    | 0.137 | 0.135 |
|                        | Subtest 2     | 21.37      | 21.29 | 21.22 | 0.137    | 0.135 | 0.132 |
|                        | Subtest 3     | 20.91      | 20.81 | 20.76 | 0.123    | 0.121 | 0.119 |
|                        | Subtest 4     | 20.88      | 20.78 | 20.73 | 0.122    | 0.120 | 0.118 |
| Conducted Output Power |               | ERP (dBm)  |       |       | ERP (W)  |       |       |
| Band                   | Configuration | LCH        | MCH   | HCH   | LCH      | MCH   | HCH   |
| HSDPA B5               | Subtest 1     | 21.79      | 21.90 | 22.00 | 0.151    | 0.155 | 0.158 |
|                        | Subtest 2     | 21.72      | 21.84 | 21.84 | 0.149    | 0.153 | 0.153 |
|                        | Subtest 3     | 21.26      | 21.38 | 21.34 | 0.134    | 0.137 | 0.136 |
|                        | Subtest 4     | 21.28      | 21.35 | 21.37 | 0.134    | 0.136 | 0.137 |

## HSUPA Conducted Output Power

| Conducted Output Power |               | EIRP (dBm) |       |       | EIRP (W) |       |       |
|------------------------|---------------|------------|-------|-------|----------|-------|-------|
| Band                   | Configuration | LCH        | MCH   | HCH   | LCH      | MCH   | HCH   |
| HSUPA B2               | Subtest 1     | 18.40      | 18.33 | 18.70 | 0.069    | 0.068 | 0.074 |
|                        | Subtest 2     | 18.38      | 18.34 | 18.69 | 0.069    | 0.068 | 0.074 |
|                        | Subtest 3     | 19.36      | 19.35 | 19.70 | 0.086    | 0.086 | 0.093 |
|                        | Subtest 4     | 17.91      | 17.87 | 18.24 | 0.062    | 0.061 | 0.067 |
|                        | Subtest 5     | 19.33      | 19.32 | 19.68 | 0.086    | 0.086 | 0.093 |
| HSUPA B4               | Subtest 1     | 19.44      | 19.33 | 19.22 | 0.088    | 0.086 | 0.084 |
|                        | Subtest 2     | 19.44      | 19.33 | 19.23 | 0.088    | 0.086 | 0.084 |
|                        | Subtest 3     | 20.41      | 20.33 | 20.23 | 0.110    | 0.108 | 0.105 |
|                        | Subtest 4     | 18.96      | 18.87 | 18.76 | 0.079    | 0.077 | 0.075 |
|                        | Subtest 5     | 20.42      | 20.32 | 20.22 | 0.110    | 0.108 | 0.105 |
| Conducted Output Power |               | ERP (dBm)  |       |       | ERP (W)  |       |       |
| Band                   | Configuration | LCH        | MCH   | HCH   | LCH      | MCH   | HCH   |
| HSUPA B5               | Subtest 1     | 19.80      | 19.90 | 20.02 | 0.095    | 0.098 | 0.100 |
|                        | Subtest 2     | 19.83      | 19.93 | 20.04 | 0.096    | 0.098 | 0.101 |
|                        | Subtest 3     | 20.80      | 20.91 | 21.02 | 0.120    | 0.123 | 0.126 |
|                        | Subtest 4     | 19.30      | 19.45 | 19.57 | 0.085    | 0.088 | 0.091 |
|                        | Subtest 5     | 20.80      | 20.91 | 21.00 | 0.120    | 0.123 | 0.126 |

## LTE Mode Test Data

| 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 BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |
| 1.4 MHz          | LCH          | QPSK      | RB1#0                 | 21.32                           | 0.94               | 22.26      | 0.168    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 21.48                           | 0.94               | 22.42      | 0.175    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 21.36                           | 0.94               | 22.30      | 0.170    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 21.53                           | 0.94               | 22.47      | 0.177    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 21.52                           | 0.94               | 22.46      | 0.176    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 21.46                           | 0.94               | 22.40      | 0.174    | 2.00      | Pass    |
|                  |              |           | RB6#0                 | 20.43                           | 0.94               | 21.37      | 0.137    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 20.53                           | 0.94               | 21.47      | 0.140    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 20.74                           | 0.94               | 21.68      | 0.147    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 20.51                           | 0.94               | 21.45      | 0.140    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 20.6                            | 0.94               | 21.54      | 0.143    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 20.62                           | 0.94               | 21.56      | 0.143    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 20.51                           | 0.94               | 21.45      | 0.140    | 2.00      | Pass    |
|                  |              |           | RB6#0                 | 19.6                            | 0.94               | 20.54      | 0.113    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 21.33                           | 0.94               | 22.27      | 0.169    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 21.49                           | 0.94               | 22.43      | 0.175    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 21.38                           | 0.94               | 22.32      | 0.171    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 21.48                           | 0.94               | 22.42      | 0.175    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 21.45                           | 0.94               | 22.39      | 0.173    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 21.45                           | 0.94               | 22.39      | 0.173    | 2.00      | Pass    |
|                  |              |           | RB6#0                 | 20.38                           | 0.94               | 21.32      | 0.136    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 20.8                            | 0.94               | 21.74      | 0.149    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 20.9                            | 0.94               | 21.84      | 0.153    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 20.78                           | 0.94               | 21.72      | 0.149    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 20.69                           | 0.94               | 21.63      | 0.146    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 20.61                           | 0.94               | 21.55      | 0.143    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 20.7                            | 0.94               | 21.64      | 0.146    | 2.00      | Pass    |
|                  |              |           | RB6#0                 | 19.33                           | 0.94               | 20.27      | 0.106    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 21.71                           | 0.94               | 22.65      | 0.184    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 21.8                            | 0.94               | 22.74      | 0.188    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 21.67                           | 0.94               | 22.61      | 0.182    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 21.84                           | 0.94               | 22.78      | 0.190    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 21.93                           | 0.94               | 22.87      | 0.194    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 21.88                           | 0.94               | 22.82      | 0.191    | 2.00      | Pass    |
|                  |              |           | RB6#0                 | 20.73                           | 0.94               | 21.67      | 0.147    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 20.78                           | 0.94               | 21.72      | 0.149    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 20.96                           | 0.94               | 21.90      | 0.155    | 2.00      | 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 BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |
| 3 MHz            |              |           | RB1#5                 | 20.8                            | 0.94               | 21.74      | 0.149    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 21.07                           | 0.94               | 22.01      | 0.159    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 21.06                           | 0.94               | 22.00      | 0.158    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 21.05                           | 0.94               | 21.99      | 0.158    | 2.00      | Pass    |
|                  |              |           | RB6#0                 | 20.03                           | 0.94               | 20.97      | 0.125    | 2.00      | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 21.45                           | 0.94               | 22.39      | 0.173    | 2.00      | Pass    |
|                  |              |           | RB1#7                 | 21.44                           | 0.94               | 22.38      | 0.173    | 2.00      | Pass    |
|                  |              |           | RB1#14                | 21.45                           | 0.94               | 22.39      | 0.173    | 2.00      | Pass    |
|                  |              |           | RB8#0                 | 20.55                           | 0.94               | 21.49      | 0.141    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 20.59                           | 0.94               | 21.53      | 0.142    | 2.00      | Pass    |
|                  |              |           | RB8#7                 | 20.52                           | 0.94               | 21.46      | 0.140    | 2.00      | Pass    |
|                  |              |           | RB15#0                | 20.53                           | 0.94               | 21.47      | 0.140    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 20.48                           | 0.94               | 21.42      | 0.139    | 2.00      | Pass    |
|                  |              |           | RB1#7                 | 20.49                           | 0.94               | 21.43      | 0.139    | 2.00      | Pass    |
|                  |              |           | RB1#14                | 20.42                           | 0.94               | 21.36      | 0.137    | 2.00      | Pass    |
|                  |              |           | RB8#0                 | 19.68                           | 0.94               | 20.62      | 0.115    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 19.68                           | 0.94               | 20.62      | 0.115    | 2.00      | Pass    |
|                  |              |           | RB8#7                 | 19.65                           | 0.94               | 20.59      | 0.115    | 2.00      | Pass    |
|                  |              |           | RB15#0                | 19.64                           | 0.94               | 20.58      | 0.114    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 21.43                           | 0.94               | 22.37      | 0.173    | 2.00      | Pass    |
|                  |              |           | RB1#7                 | 21.48                           | 0.94               | 22.42      | 0.175    | 2.00      | Pass    |
|                  |              |           | RB1#14                | 21.44                           | 0.94               | 22.38      | 0.173    | 2.00      | Pass    |
|                  |              |           | RB8#0                 | 20.43                           | 0.94               | 21.37      | 0.137    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 20.48                           | 0.94               | 21.42      | 0.139    | 2.00      | Pass    |
|                  |              |           | RB8#7                 | 20.45                           | 0.94               | 21.39      | 0.138    | 2.00      | Pass    |
|                  |              |           | RB15#0                | 20.49                           | 0.94               | 21.43      | 0.139    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 20.88                           | 0.94               | 21.82      | 0.152    | 2.00      | Pass    |
|                  |              |           | RB1#7                 | 20.91                           | 0.94               | 21.85      | 0.153    | 2.00      | Pass    |
|                  |              |           | RB1#14                | 20.88                           | 0.94               | 21.82      | 0.152    | 2.00      | Pass    |
|                  |              |           | RB8#0                 | 19.63                           | 0.94               | 20.57      | 0.114    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 19.69                           | 0.94               | 20.63      | 0.116    | 2.00      | Pass    |
|                  |              |           | RB8#7                 | 19.64                           | 0.94               | 20.58      | 0.114    | 2.00      | Pass    |
|                  |              |           | RB15#0                | 19.59                           | 0.94               | 20.53      | 0.113    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 21.77                           | 0.94               | 22.71      | 0.187    | 2.00      | Pass    |
|                  |              |           | RB1#7                 | 21.82                           | 0.94               | 22.76      | 0.189    | 2.00      | Pass    |
|                  |              |           | RB1#14                | 21.78                           | 0.94               | 22.72      | 0.187    | 2.00      | Pass    |
|                  |              |           | RB8#0                 | 20.8                            | 0.94               | 21.74      | 0.149    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 20.9                            | 0.94               | 21.84      | 0.153    | 2.00      | 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 BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              | 16-QAM    | RB8#7                 | 20.84                           | 0.94               | 21.78      | 0.151    | 2.00      | Pass    |
|                  |              |           | RB15#0                | 20.83                           | 0.94               | 21.77      | 0.150    | 2.00      | Pass    |
|                  |              |           | RB1#0                 | 20.88                           | 0.94               | 21.82      | 0.152    | 2.00      | Pass    |
|                  |              |           | RB1#7                 | 20.93                           | 0.94               | 21.87      | 0.154    | 2.00      | Pass    |
|                  |              |           | RB1#14                | 20.87                           | 0.94               | 21.81      | 0.152    | 2.00      | Pass    |
|                  |              |           | RB8#0                 | 19.94                           | 0.94               | 20.88      | 0.122    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 20.03                           | 0.94               | 20.97      | 0.125    | 2.00      | Pass    |
|                  |              |           | RB8#7                 | 19.97                           | 0.94               | 20.91      | 0.123    | 2.00      | Pass    |
|                  |              |           | RB15#0                | 19.9                            | 0.94               | 20.84      | 0.121    | 2.00      | Pass    |
| 5 MHz            | LCH          | QPSK      | RB1#0                 | 21.28                           | 0.94               | 22.22      | 0.167    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 21.43                           | 0.94               | 22.37      | 0.173    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 21.26                           | 0.94               | 22.20      | 0.166    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 20.42                           | 0.94               | 21.36      | 0.137    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 20.5                            | 0.94               | 21.44      | 0.139    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 20.45                           | 0.94               | 21.39      | 0.138    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.41                           | 0.94               | 21.35      | 0.136    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 20.54                           | 0.94               | 21.48      | 0.141    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 20.68                           | 0.94               | 21.62      | 0.145    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 20.48                           | 0.94               | 21.42      | 0.139    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 19.48                           | 0.94               | 20.42      | 0.110    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 19.55                           | 0.94               | 20.49      | 0.112    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 19.54                           | 0.94               | 20.48      | 0.112    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 19.5                            | 0.94               | 20.44      | 0.111    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 21.28                           | 0.94               | 22.22      | 0.167    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 21.41                           | 0.94               | 22.35      | 0.172    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 21.32                           | 0.94               | 22.26      | 0.168    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 20.28                           | 0.94               | 21.22      | 0.132    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 20.41                           | 0.94               | 21.35      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 20.38                           | 0.94               | 21.32      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.38                           | 0.94               | 21.32      | 0.136    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 20.83                           | 0.94               | 21.77      | 0.150    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 20.98                           | 0.94               | 21.92      | 0.156    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 20.84                           | 0.94               | 21.78      | 0.151    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 19.57                           | 0.94               | 20.51      | 0.112    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 19.66                           | 0.94               | 20.60      | 0.115    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 19.63                           | 0.94               | 20.57      | 0.114    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 19.57                           | 0.94               | 20.51      | 0.112    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 21.62                           | 0.94               | 22.56      | 0.180    | 2.00      | 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 BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB1#13                | 21.77                           | 0.94               | 22.71      | 0.187    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 21.66                           | 0.94               | 22.60      | 0.182    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 20.71                           | 0.94               | 21.65      | 0.146    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 20.78                           | 0.94               | 21.72      | 0.149    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 20.79                           | 0.94               | 21.73      | 0.149    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.73                           | 0.94               | 21.67      | 0.147    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 20.74                           | 0.94               | 21.68      | 0.147    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 20.93                           | 0.94               | 21.87      | 0.154    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 20.77                           | 0.94               | 21.71      | 0.148    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 19.85                           | 0.94               | 20.79      | 0.120    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 19.95                           | 0.94               | 20.89      | 0.123    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 19.94                           | 0.94               | 20.88      | 0.122    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 19.81                           | 0.94               | 20.75      | 0.119    | 2.00      | Pass    |
| 10 MHz           | LCH          | QPSK      | RB1#0                 | 21.32                           | 0.94               | 22.26      | 0.168    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 21.52                           | 0.94               | 22.46      | 0.176    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 21.27                           | 0.94               | 22.21      | 0.166    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.47                           | 0.94               | 21.41      | 0.138    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 20.49                           | 0.94               | 21.43      | 0.139    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 20.4                            | 0.94               | 21.34      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.45                           | 0.94               | 21.39      | 0.138    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 20.36                           | 0.94               | 21.30      | 0.135    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 20.53                           | 0.94               | 21.47      | 0.140    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 20.25                           | 0.94               | 21.19      | 0.132    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 19.49                           | 0.94               | 20.43      | 0.110    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 19.56                           | 0.94               | 20.50      | 0.112    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 19.44                           | 0.94               | 20.38      | 0.109    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 19.51                           | 0.94               | 20.45      | 0.111    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 21.29                           | 0.94               | 22.23      | 0.167    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 21.55                           | 0.94               | 22.49      | 0.177    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 21.31                           | 0.94               | 22.25      | 0.168    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.38                           | 0.94               | 21.32      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 20.47                           | 0.94               | 21.41      | 0.138    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 20.49                           | 0.94               | 21.43      | 0.139    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.45                           | 0.94               | 21.39      | 0.138    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 20.74                           | 0.94               | 21.68      | 0.147    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 20.97                           | 0.94               | 21.91      | 0.155    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 20.74                           | 0.94               | 21.68      | 0.147    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 19.56                           | 0.94               | 20.50      | 0.112    | 2.00      | 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 BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |
| 15 MHz           | HCH          |           | RB25#13               | 19.61                           | 0.94               | 20.55      | 0.114    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 19.63                           | 0.94               | 20.57      | 0.114    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 19.6                            | 0.94               | 20.54      | 0.113    | 2.00      | Pass    |
|                  |              | QPSK      | RB1#0                 | 21.66                           | 0.94               | 22.60      | 0.182    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 21.93                           | 0.94               | 22.87      | 0.194    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 21.69                           | 0.94               | 22.63      | 0.183    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.79                           | 0.94               | 21.73      | 0.149    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 20.82                           | 0.94               | 21.76      | 0.150    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 20.87                           | 0.94               | 21.81      | 0.152    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.87                           | 0.94               | 21.81      | 0.152    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 20.7                            | 0.94               | 21.64      | 0.146    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 20.93                           | 0.94               | 21.87      | 0.154    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 20.76                           | 0.94               | 21.70      | 0.148    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.01                           | 0.94               | 20.95      | 0.124    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 19.99                           | 0.94               | 20.93      | 0.124    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 20.06                           | 0.94               | 21.00      | 0.126    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20                              | 0.94               | 20.94      | 0.124    | 2.00      | Pass    |
| 15 MHz           | LCH          | QPSK      | RB1#0                 | 21.16                           | 0.94               | 22.10      | 0.162    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 21.38                           | 0.94               | 22.32      | 0.171    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 21.24                           | 0.94               | 22.18      | 0.165    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 20.42                           | 0.94               | 21.36      | 0.137    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 20.5                            | 0.94               | 21.44      | 0.139    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 20.41                           | 0.94               | 21.35      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 20.45                           | 0.94               | 21.39      | 0.138    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 20.22                           | 0.94               | 21.16      | 0.131    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 20.35                           | 0.94               | 21.29      | 0.135    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 20.2                            | 0.94               | 21.14      | 0.130    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 19.41                           | 0.94               | 20.35      | 0.108    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 19.45                           | 0.94               | 20.39      | 0.109    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 19.37                           | 0.94               | 20.31      | 0.107    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 19.43                           | 0.94               | 20.37      | 0.109    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 21.16                           | 0.94               | 22.10      | 0.162    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 21.36                           | 0.94               | 22.30      | 0.170    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 21.21                           | 0.94               | 22.15      | 0.164    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 20.27                           | 0.94               | 21.21      | 0.132    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 20.38                           | 0.94               | 21.32      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 20.36                           | 0.94               | 21.30      | 0.135    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 20.32                           | 0.94               | 21.26      | 0.134    | 2.00      | 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 BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |
| 20 MHz           | HCH          | 16-QAM    | RB1#0                 | 20.58                           | 0.94               | 21.52      | 0.142    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 20.81                           | 0.94               | 21.75      | 0.150    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 20.61                           | 0.94               | 21.55      | 0.143    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 19.4                            | 0.94               | 20.34      | 0.108    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 19.54                           | 0.94               | 20.48      | 0.112    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 19.5                            | 0.94               | 20.44      | 0.111    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 19.45                           | 0.94               | 20.39      | 0.109    | 2.00      | Pass    |
|                  |              | QPSK      | RB1#0                 | 21.39                           | 0.94               | 22.33      | 0.171    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 21.73                           | 0.94               | 22.67      | 0.185    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 21.57                           | 0.94               | 22.51      | 0.178    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 20.75                           | 0.94               | 21.69      | 0.148    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 20.79                           | 0.94               | 21.73      | 0.149    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 20.76                           | 0.94               | 21.70      | 0.148    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 20.78                           | 0.94               | 21.72      | 0.149    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 20.84                           | 0.94               | 21.78      | 0.151    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 21.17                           | 0.94               | 22.11      | 0.163    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 21.07                           | 0.94               | 22.01      | 0.159    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 19.76                           | 0.94               | 20.70      | 0.117    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 19.8                            | 0.94               | 20.74      | 0.119    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 19.76                           | 0.94               | 20.70      | 0.117    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 19.81                           | 0.94               | 20.75      | 0.119    | 2.00      | Pass    |
| 20 MHz           | LCH          | QPSK      | RB1#0                 | 21.02                           | 0.94               | 21.96      | 0.157    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 21.6                            | 0.94               | 22.54      | 0.179    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 21.11                           | 0.94               | 22.05      | 0.160    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.53                           | 0.94               | 21.47      | 0.140    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 20.49                           | 0.94               | 21.43      | 0.139    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 20.4                            | 0.94               | 21.34      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 20.47                           | 0.94               | 21.41      | 0.138    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 20.67                           | 0.94               | 21.61      | 0.145    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 21.06                           | 0.94               | 22.00      | 0.158    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 20.64                           | 0.94               | 21.58      | 0.144    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 19.56                           | 0.94               | 20.50      | 0.112    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 19.5                            | 0.94               | 20.44      | 0.111    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 19.5                            | 0.94               | 20.44      | 0.111    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 19.56                           | 0.94               | 20.50      | 0.112    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 21.1                            | 0.94               | 22.04      | 0.160    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 21.58                           | 0.94               | 22.52      | 0.179    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 21.17                           | 0.94               | 22.11      | 0.163    | 2.00      | 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 BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB50#0                | 20.32                           | 0.94               | 21.26      | 0.134    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 20.38                           | 0.94               | 21.32      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 20.4                            | 0.94               | 21.34      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 20.34                           | 0.94               | 21.28      | 0.134    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 20.57                           | 0.94               | 21.51      | 0.142    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 21.07                           | 0.94               | 22.01      | 0.159    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 20.58                           | 0.94               | 21.52      | 0.142    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 19.45                           | 0.94               | 20.39      | 0.109    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 19.5                            | 0.94               | 20.44      | 0.111    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 19.51                           | 0.94               | 20.45      | 0.111    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 19.46                           | 0.94               | 20.40      | 0.110    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 21.14                           | 0.94               | 22.08      | 0.161    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 21.78                           | 0.94               | 22.72      | 0.187    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 21.33                           | 0.94               | 22.27      | 0.169    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.78                           | 0.94               | 21.72      | 0.149    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 20.71                           | 0.94               | 21.65      | 0.146    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 20.68                           | 0.94               | 21.62      | 0.145    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 20.74                           | 0.94               | 21.68      | 0.147    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 20.56                           | 0.94               | 21.50      | 0.141    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 21.24                           | 0.94               | 22.18      | 0.165    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 20.83                           | 0.94               | 21.77      | 0.150    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 19.85                           | 0.94               | 20.79      | 0.120    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 19.75                           | 0.94               | 20.69      | 0.117    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 19.78                           | 0.94               | 20.72      | 0.118    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 19.83                           | 0.94               | 20.77      | 0.119    | 2.00      | 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 BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |
| 1.4 MHz          | LCH          | QPSK      | RB1#0                 | 22.4                            | 0.55               | 22.95      | 0.197    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 22.61                           | 0.55               | 23.16      | 0.207    | 1.000     | Pass    |
|                  |              |           | RB1#5                 | 22.41                           | 0.55               | 22.96      | 0.198    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 22.51                           | 0.55               | 23.06      | 0.202    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 22.56                           | 0.55               | 23.11      | 0.205    | 1.000     | Pass    |
|                  |              |           | RB3#3                 | 22.55                           | 0.55               | 23.10      | 0.204    | 1.000     | Pass    |
|                  |              |           | RB6#0                 | 21.45                           | 0.55               | 22.00      | 0.158    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.44                           | 0.55               | 21.99      | 0.158    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 21.63                           | 0.55               | 22.18      | 0.165    | 1.000     | Pass    |
|                  |              |           | RB1#5                 | 21.41                           | 0.55               | 21.96      | 0.157    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 21.65                           | 0.55               | 22.20      | 0.166    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 21.7                            | 0.55               | 22.25      | 0.168    | 1.000     | Pass    |
|                  |              |           | RB3#3                 | 21.69                           | 0.55               | 22.24      | 0.167    | 1.000     | Pass    |
|                  |              |           | RB6#0                 | 20.66                           | 0.55               | 21.21      | 0.132    | 1.000     | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.28                           | 0.55               | 22.83      | 0.192    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 22.5                            | 0.55               | 23.05      | 0.202    | 1.000     | Pass    |
|                  |              |           | RB1#5                 | 22.26                           | 0.55               | 22.81      | 0.191    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 22.32                           | 0.55               | 22.87      | 0.194    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 22.39                           | 0.55               | 22.94      | 0.197    | 1.000     | Pass    |
|                  |              |           | RB3#3                 | 22.33                           | 0.55               | 22.88      | 0.194    | 1.000     | Pass    |
|                  |              |           | RB6#0                 | 21.37                           | 0.55               | 21.92      | 0.156    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.3                            | 0.55               | 21.85      | 0.153    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 21.49                           | 0.55               | 22.04      | 0.160    | 1.000     | Pass    |
|                  |              |           | RB1#5                 | 21.31                           | 0.55               | 21.86      | 0.153    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 21.3                            | 0.55               | 21.85      | 0.153    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 21.5                            | 0.55               | 22.05      | 0.160    | 1.000     | Pass    |
|                  |              |           | RB3#3                 | 21.29                           | 0.55               | 21.84      | 0.153    | 1.000     | Pass    |
|                  |              |           | RB6#0                 | 20.52                           | 0.55               | 21.07      | 0.128    | 1.000     | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.17                           | 0.55               | 22.72      | 0.187    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 22.29                           | 0.55               | 22.84      | 0.192    | 1.000     | Pass    |
|                  |              |           | RB1#5                 | 22.19                           | 0.55               | 22.74      | 0.188    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 22.32                           | 0.55               | 22.87      | 0.194    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 22.35                           | 0.55               | 22.90      | 0.195    | 1.000     | Pass    |
|                  |              |           | RB3#3                 | 22.31                           | 0.55               | 22.86      | 0.193    | 1.000     | Pass    |
|                  |              |           | RB6#0                 | 21.23                           | 0.55               | 21.78      | 0.151    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.33                           | 0.55               | 21.88      | 0.154    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 21.52                           | 0.55               | 22.07      | 0.161    | 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 BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |
| 3 MHz            |              |           | RB1#5                 | 21.31                           | 0.55               | 21.86      | 0.153    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 21.38                           | 0.55               | 21.93      | 0.156    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 21.37                           | 0.55               | 21.92      | 0.156    | 1.000     | Pass    |
|                  |              |           | RB3#3                 | 21.37                           | 0.55               | 21.92      | 0.156    | 1.000     | Pass    |
|                  |              |           | RB6#0                 | 20.4                            | 0.55               | 20.95      | 0.124    | 1.000     | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 22.58                           | 0.55               | 23.13      | 0.206    | 1.000     | Pass    |
|                  |              |           | RB1#7                 | 22.52                           | 0.55               | 23.07      | 0.203    | 1.000     | Pass    |
|                  |              |           | RB1#14                | 22.52                           | 0.55               | 23.07      | 0.203    | 1.000     | Pass    |
|                  |              |           | RB8#0                 | 21.57                           | 0.55               | 22.12      | 0.163    | 1.000     | Pass    |
|                  |              |           | RB8#4                 | 21.68                           | 0.55               | 22.23      | 0.167    | 1.000     | Pass    |
|                  |              |           | RB8#7                 | 21.54                           | 0.55               | 22.09      | 0.162    | 1.000     | Pass    |
|                  |              |           | RB15#0                | 21.53                           | 0.55               | 22.08      | 0.161    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.51                           | 0.55               | 22.06      | 0.161    | 1.000     | Pass    |
|                  |              |           | RB1#7                 | 21.45                           | 0.55               | 22.00      | 0.158    | 1.000     | Pass    |
|                  |              |           | RB1#14                | 21.44                           | 0.55               | 21.99      | 0.158    | 1.000     | Pass    |
|                  |              |           | RB8#0                 | 20.73                           | 0.55               | 21.28      | 0.134    | 1.000     | Pass    |
|                  |              |           | RB8#4                 | 20.81                           | 0.55               | 21.36      | 0.137    | 1.000     | Pass    |
|                  |              |           | RB8#7                 | 20.73                           | 0.55               | 21.28      | 0.134    | 1.000     | Pass    |
|                  |              |           | RB15#0                | 20.62                           | 0.55               | 21.17      | 0.131    | 1.000     | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.43                           | 0.55               | 22.98      | 0.199    | 1.000     | Pass    |
|                  |              |           | RB1#7                 | 22.43                           | 0.55               | 22.98      | 0.199    | 1.000     | Pass    |
|                  |              |           | RB1#14                | 22.38                           | 0.55               | 22.93      | 0.196    | 1.000     | Pass    |
|                  |              |           | RB8#0                 | 21.44                           | 0.55               | 21.99      | 0.158    | 1.000     | Pass    |
|                  |              |           | RB8#4                 | 21.51                           | 0.55               | 22.06      | 0.161    | 1.000     | Pass    |
|                  |              |           | RB8#7                 | 21.45                           | 0.55               | 22.00      | 0.158    | 1.000     | Pass    |
|                  |              |           | RB15#0                | 21.41                           | 0.55               | 21.96      | 0.157    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.72                           | 0.55               | 22.27      | 0.169    | 1.000     | Pass    |
|                  |              |           | RB1#7                 | 21.75                           | 0.55               | 22.30      | 0.170    | 1.000     | Pass    |
|                  |              |           | RB1#14                | 21.73                           | 0.55               | 22.28      | 0.169    | 1.000     | Pass    |
|                  |              |           | RB8#0                 | 20.55                           | 0.55               | 21.10      | 0.129    | 1.000     | Pass    |
|                  |              |           | RB8#4                 | 20.57                           | 0.55               | 21.12      | 0.129    | 1.000     | Pass    |
|                  |              |           | RB8#7                 | 20.5                            | 0.55               | 21.05      | 0.127    | 1.000     | Pass    |
|                  |              |           | RB15#0                | 20.49                           | 0.55               | 21.04      | 0.127    | 1.000     | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.35                           | 0.55               | 22.90      | 0.195    | 1.000     | Pass    |
|                  |              |           | RB1#7                 | 22.31                           | 0.55               | 22.86      | 0.193    | 1.000     | Pass    |
|                  |              |           | RB1#14                | 22.27                           | 0.55               | 22.82      | 0.191    | 1.000     | Pass    |
|                  |              |           | RB8#0                 | 21.34                           | 0.55               | 21.89      | 0.155    | 1.000     | Pass    |
|                  |              |           | RB8#4                 | 21.36                           | 0.55               | 21.91      | 0.155    | 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 BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB8#7                 | 21.29                           | 0.55               | 21.84      | 0.153    | 1.000     | Pass    |
|                  |              |           | RB15#0                | 21.34                           | 0.55               | 21.89      | 0.155    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.37                           | 0.55               | 21.92      | 0.156    | 1.000     | Pass    |
|                  |              |           | RB1#7                 | 21.37                           | 0.55               | 21.92      | 0.156    | 1.000     | Pass    |
|                  |              |           | RB1#14                | 21.29                           | 0.55               | 21.84      | 0.153    | 1.000     | Pass    |
|                  |              |           | RB8#0                 | 20.47                           | 0.55               | 21.02      | 0.126    | 1.000     | Pass    |
|                  |              |           | RB8#4                 | 20.48                           | 0.55               | 21.03      | 0.127    | 1.000     | Pass    |
|                  |              |           | RB8#7                 | 20.41                           | 0.55               | 20.96      | 0.125    | 1.000     | Pass    |
|                  |              |           | RB15#0                | 20.38                           | 0.55               | 20.93      | 0.124    | 1.000     | Pass    |
| 5 MHz            | LCH          | QPSK      | RB1#0                 | 22.34                           | 0.55               | 22.89      | 0.195    | 1.000     | Pass    |
|                  |              |           | RB1#13                | 22.48                           | 0.55               | 23.03      | 0.201    | 1.000     | Pass    |
|                  |              |           | RB1#24                | 22.35                           | 0.55               | 22.90      | 0.195    | 1.000     | Pass    |
|                  |              |           | RB12#0                | 21.43                           | 0.55               | 21.98      | 0.158    | 1.000     | Pass    |
|                  |              |           | RB12#6                | 21.49                           | 0.55               | 22.04      | 0.160    | 1.000     | Pass    |
|                  |              |           | RB12#13               | 21.43                           | 0.55               | 21.98      | 0.158    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 21.41                           | 0.55               | 21.96      | 0.157    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.53                           | 0.55               | 22.08      | 0.161    | 1.000     | Pass    |
|                  |              |           | RB1#13                | 21.65                           | 0.55               | 22.20      | 0.166    | 1.000     | Pass    |
|                  |              |           | RB1#24                | 21.52                           | 0.55               | 22.07      | 0.161    | 1.000     | Pass    |
|                  |              |           | RB12#0                | 20.5                            | 0.55               | 21.05      | 0.127    | 1.000     | Pass    |
|                  |              |           | RB12#6                | 20.58                           | 0.55               | 21.13      | 0.130    | 1.000     | Pass    |
|                  |              |           | RB12#13               | 20.58                           | 0.55               | 21.13      | 0.130    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 20.5                            | 0.55               | 21.05      | 0.127    | 1.000     | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.31                           | 0.55               | 22.86      | 0.193    | 1.000     | Pass    |
|                  |              |           | RB1#13                | 22.37                           | 0.55               | 22.92      | 0.196    | 1.000     | Pass    |
|                  |              |           | RB1#24                | 22.25                           | 0.55               | 22.80      | 0.191    | 1.000     | Pass    |
|                  |              |           | RB12#0                | 21.28                           | 0.55               | 21.83      | 0.152    | 1.000     | Pass    |
|                  |              |           | RB12#6                | 21.36                           | 0.55               | 21.91      | 0.155    | 1.000     | Pass    |
|                  |              |           | RB12#13               | 21.3                            | 0.55               | 21.85      | 0.153    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 21.27                           | 0.55               | 21.82      | 0.152    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.72                           | 0.55               | 22.27      | 0.169    | 1.000     | Pass    |
|                  |              |           | RB1#13                | 21.85                           | 0.55               | 22.40      | 0.174    | 1.000     | Pass    |
|                  |              |           | RB1#24                | 21.7                            | 0.55               | 22.25      | 0.168    | 1.000     | Pass    |
|                  |              |           | RB12#0                | 20.46                           | 0.55               | 21.01      | 0.126    | 1.000     | Pass    |
|                  |              |           | RB12#6                | 20.55                           | 0.55               | 21.10      | 0.129    | 1.000     | Pass    |
|                  |              |           | RB12#13               | 20.47                           | 0.55               | 21.02      | 0.126    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 20.42                           | 0.55               | 20.97      | 0.125    | 1.000     | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.14                           | 0.55               | 22.69      | 0.186    | 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 BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB1#13                | 22.18                           | 0.55               | 22.73      | 0.187    | 1.000     | Pass    |
|                  |              |           | RB1#24                | 22.11                           | 0.55               | 22.66      | 0.185    | 1.000     | Pass    |
|                  |              |           | RB12#0                | 21.23                           | 0.55               | 21.78      | 0.151    | 1.000     | Pass    |
|                  |              |           | RB12#6                | 21.31                           | 0.55               | 21.86      | 0.153    | 1.000     | Pass    |
|                  |              |           | RB12#13               | 21.16                           | 0.55               | 21.71      | 0.148    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 21.25                           | 0.55               | 21.80      | 0.151    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.28                           | 0.55               | 21.83      | 0.152    | 1.000     | Pass    |
|                  |              |           | RB1#13                | 21.38                           | 0.55               | 21.93      | 0.156    | 1.000     | Pass    |
|                  |              |           | RB1#24                | 21.23                           | 0.55               | 21.78      | 0.151    | 1.000     | Pass    |
|                  |              |           | RB12#0                | 20.4                            | 0.55               | 20.95      | 0.124    | 1.000     | Pass    |
|                  |              |           | RB12#6                | 20.45                           | 0.55               | 21.00      | 0.126    | 1.000     | Pass    |
|                  |              |           | RB12#13               | 20.32                           | 0.55               | 20.87      | 0.122    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 20.3                            | 0.55               | 20.85      | 0.122    | 1.000     | Pass    |
| 10 MHz           | LCH          | QPSK      | RB1#0                 | 22.4                            | 0.55               | 22.95      | 0.197    | 1.000     | Pass    |
|                  |              |           | RB1#25                | 22.67                           | 0.55               | 23.22      | 0.210    | 1.000     | Pass    |
|                  |              |           | RB1#49                | 22.42                           | 0.55               | 22.97      | 0.198    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 21.45                           | 0.55               | 22.00      | 0.158    | 1.000     | Pass    |
|                  |              |           | RB25#13               | 21.5                            | 0.55               | 22.05      | 0.160    | 1.000     | Pass    |
|                  |              |           | RB25#25               | 21.57                           | 0.55               | 22.12      | 0.163    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 21.5                            | 0.55               | 22.05      | 0.160    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.38                           | 0.55               | 21.93      | 0.156    | 1.000     | Pass    |
|                  |              |           | RB1#25                | 21.58                           | 0.55               | 22.13      | 0.163    | 1.000     | Pass    |
|                  |              |           | RB1#49                | 21.32                           | 0.55               | 21.87      | 0.154    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 20.53                           | 0.55               | 21.08      | 0.128    | 1.000     | Pass    |
|                  |              |           | RB25#13               | 20.59                           | 0.55               | 21.14      | 0.130    | 1.000     | Pass    |
|                  |              |           | RB25#25               | 20.66                           | 0.55               | 21.21      | 0.132    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 20.55                           | 0.55               | 21.10      | 0.129    | 1.000     | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.36                           | 0.55               | 22.91      | 0.195    | 1.000     | Pass    |
|                  |              |           | RB1#25                | 22.58                           | 0.55               | 23.13      | 0.206    | 1.000     | Pass    |
|                  |              |           | RB1#49                | 22.21                           | 0.55               | 22.76      | 0.189    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 21.31                           | 0.55               | 21.86      | 0.153    | 1.000     | Pass    |
|                  |              |           | RB25#13               | 21.39                           | 0.55               | 21.94      | 0.156    | 1.000     | Pass    |
|                  |              |           | RB25#25               | 21.32                           | 0.55               | 21.87      | 0.154    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 21.35                           | 0.55               | 21.90      | 0.155    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.65                           | 0.55               | 22.20      | 0.166    | 1.000     | Pass    |
|                  |              |           | RB1#25                | 21.77                           | 0.55               | 22.32      | 0.171    | 1.000     | Pass    |
|                  |              |           | RB1#49                | 21.56                           | 0.55               | 22.11      | 0.163    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 20.44                           | 0.55               | 20.99      | 0.126    | 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 BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |
| 15 MHz           | HCH          |           | RB25#13               | 20.48                           | 0.55               | 21.03      | 0.127    | 1.000     | Pass    |
|                  |              |           | RB25#25               | 20.47                           | 0.55               | 21.02      | 0.126    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 20.44                           | 0.55               | 20.99      | 0.126    | 1.000     | Pass    |
|                  |              | QPSK      | RB1#0                 | 22.23                           | 0.55               | 22.78      | 0.190    | 1.000     | Pass    |
|                  |              |           | RB1#25                | 22.52                           | 0.55               | 23.07      | 0.203    | 1.000     | Pass    |
|                  |              |           | RB1#49                | 22.16                           | 0.55               | 22.71      | 0.187    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 21.38                           | 0.55               | 21.93      | 0.156    | 1.000     | Pass    |
|                  |              |           | RB25#13               | 21.33                           | 0.55               | 21.88      | 0.154    | 1.000     | Pass    |
|                  |              |           | RB25#25               | 21.22                           | 0.55               | 21.77      | 0.150    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 21.31                           | 0.55               | 21.86      | 0.153    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.26                           | 0.55               | 21.81      | 0.152    | 1.000     | Pass    |
|                  |              |           | RB1#25                | 21.45                           | 0.55               | 22.00      | 0.158    | 1.000     | Pass    |
|                  |              |           | RB1#49                | 21.19                           | 0.55               | 21.74      | 0.149    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 20.59                           | 0.55               | 21.14      | 0.130    | 1.000     | Pass    |
|                  |              |           | RB25#13               | 20.52                           | 0.55               | 21.07      | 0.128    | 1.000     | Pass    |
|                  |              |           | RB25#25               | 20.37                           | 0.55               | 20.92      | 0.124    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 20.43                           | 0.55               | 20.98      | 0.125    | 1.000     | Pass    |
| 15 MHz           | LCH          | QPSK      | RB1#0                 | 22.22                           | 0.55               | 22.77      | 0.189    | 1.000     | Pass    |
|                  |              |           | RB1#38                | 22.43                           | 0.55               | 22.98      | 0.199    | 1.000     | Pass    |
|                  |              |           | RB1#74                | 22.21                           | 0.55               | 22.76      | 0.189    | 1.000     | Pass    |
|                  |              |           | RB36#0                | 21.39                           | 0.55               | 21.94      | 0.156    | 1.000     | Pass    |
|                  |              |           | RB36#19               | 21.53                           | 0.55               | 22.08      | 0.161    | 1.000     | Pass    |
|                  |              |           | RB36#39               | 21.53                           | 0.55               | 22.08      | 0.161    | 1.000     | Pass    |
|                  |              |           | RB75#0                | 21.48                           | 0.55               | 22.03      | 0.160    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.17                           | 0.55               | 21.72      | 0.149    | 1.000     | Pass    |
|                  |              |           | RB1#38                | 21.37                           | 0.55               | 21.92      | 0.156    | 1.000     | Pass    |
|                  |              |           | RB1#74                | 21.11                           | 0.55               | 21.66      | 0.147    | 1.000     | Pass    |
|                  |              |           | RB36#0                | 20.4                            | 0.55               | 20.95      | 0.124    | 1.000     | Pass    |
|                  |              |           | RB36#19               | 20.54                           | 0.55               | 21.09      | 0.129    | 1.000     | Pass    |
|                  |              |           | RB36#39               | 20.51                           | 0.55               | 21.06      | 0.128    | 1.000     | Pass    |
|                  |              |           | RB75#0                | 20.5                            | 0.55               | 21.05      | 0.127    | 1.000     | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.21                           | 0.55               | 22.76      | 0.189    | 1.000     | Pass    |
|                  |              |           | RB1#38                | 22.33                           | 0.55               | 22.88      | 0.194    | 1.000     | Pass    |
|                  |              |           | RB1#74                | 22.09                           | 0.55               | 22.64      | 0.184    | 1.000     | Pass    |
|                  |              |           | RB36#0                | 21.34                           | 0.55               | 21.89      | 0.155    | 1.000     | Pass    |
|                  |              |           | RB36#19               | 21.45                           | 0.55               | 22.00      | 0.158    | 1.000     | Pass    |
|                  |              |           | RB36#39               | 21.36                           | 0.55               | 21.91      | 0.155    | 1.000     | Pass    |
|                  |              |           | RB75#0                | 21.35                           | 0.55               | 21.90      | 0.155    | 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 BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |
| 20 MHz           | HCH          | 16-QAM    | RB1#0                 | 21.54                           | 0.55               | 22.09      | 0.162    | 1.000     | Pass    |
|                  |              |           | RB1#38                | 21.65                           | 0.55               | 22.20      | 0.166    | 1.000     | Pass    |
|                  |              |           | RB1#74                | 21.41                           | 0.55               | 21.96      | 0.157    | 1.000     | Pass    |
|                  |              |           | RB36#0                | 20.36                           | 0.55               | 20.91      | 0.123    | 1.000     | Pass    |
|                  |              |           | RB36#19               | 20.49                           | 0.55               | 21.04      | 0.127    | 1.000     | Pass    |
|                  |              |           | RB36#39               | 20.39                           | 0.55               | 20.94      | 0.124    | 1.000     | Pass    |
|                  |              |           | RB75#0                | 20.4                            | 0.55               | 20.95      | 0.124    | 1.000     | Pass    |
|                  |              | QPSK      | RB1#0                 | 22.14                           | 0.55               | 22.69      | 0.186    | 1.000     | Pass    |
|                  |              |           | RB1#38                | 22.27                           | 0.55               | 22.82      | 0.191    | 1.000     | Pass    |
|                  |              |           | RB1#74                | 22.02                           | 0.55               | 22.57      | 0.181    | 1.000     | Pass    |
|                  |              |           | RB36#0                | 21.37                           | 0.55               | 21.92      | 0.156    | 1.000     | Pass    |
|                  |              |           | RB36#19               | 21.35                           | 0.55               | 21.90      | 0.155    | 1.000     | Pass    |
|                  |              |           | RB36#39               | 21.17                           | 0.55               | 21.72      | 0.149    | 1.000     | Pass    |
|                  |              |           | RB75#0                | 21.27                           | 0.55               | 21.82      | 0.152    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.47                           | 0.55               | 22.02      | 0.159    | 1.000     | Pass    |
|                  |              |           | RB1#38                | 21.78                           | 0.55               | 22.33      | 0.171    | 1.000     | Pass    |
|                  |              |           | RB1#74                | 21.49                           | 0.55               | 22.04      | 0.160    | 1.000     | Pass    |
|                  |              |           | RB36#0                | 20.31                           | 0.55               | 20.86      | 0.122    | 1.000     | Pass    |
|                  |              |           | RB36#19               | 20.36                           | 0.55               | 20.91      | 0.123    | 1.000     | Pass    |
|                  |              |           | RB36#39               | 20.17                           | 0.55               | 20.72      | 0.118    | 1.000     | Pass    |
|                  |              |           | RB75#0                | 20.29                           | 0.55               | 20.84      | 0.121    | 1.000     | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 22.1                            | 0.55               | 22.65      | 0.184    | 1.000     | Pass    |
|                  |              |           | RB1#50                | 22.65                           | 0.55               | 23.20      | 0.209    | 1.000     | Pass    |
|                  |              |           | RB1#99                | 22.07                           | 0.55               | 22.62      | 0.183    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 21.27                           | 0.55               | 21.82      | 0.152    | 1.000     | Pass    |
|                  |              |           | RB50#25               | 21.42                           | 0.55               | 21.97      | 0.157    | 1.000     | Pass    |
|                  |              |           | RB50#50               | 21.48                           | 0.55               | 22.03      | 0.160    | 1.000     | Pass    |
|                  |              |           | RB100#0               | 21.4                            | 0.55               | 21.95      | 0.157    | 1.000     | Pass    |
|                  |              |           | RB1#0                 | 21.59                           | 0.55               | 22.14      | 0.164    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#50                | 22.08                           | 0.55               | 22.63      | 0.183    | 1.000     | Pass    |
|                  |              |           | RB1#99                | 21.48                           | 0.55               | 22.03      | 0.160    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 20.39                           | 0.55               | 20.94      | 0.124    | 1.000     | Pass    |
|                  |              |           | RB50#25               | 20.54                           | 0.55               | 21.09      | 0.129    | 1.000     | Pass    |
|                  |              |           | RB50#50               | 20.56                           | 0.55               | 21.11      | 0.129    | 1.000     | Pass    |
|                  |              |           | RB100#0               | 20.49                           | 0.55               | 21.04      | 0.127    | 1.000     | Pass    |
|                  |              | QPSK      | RB1#0                 | 22.12                           | 0.55               | 22.67      | 0.185    | 1.000     | Pass    |
|                  |              |           | RB1#50                | 22.53                           | 0.55               | 23.08      | 0.203    | 1.000     | Pass    |
|                  |              |           | RB1#99                | 21.96                           | 0.55               | 22.51      | 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 BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB50#0                | 21.17                           | 0.55               | 21.72      | 0.149    | 1.000     | Pass    |
|                  |              |           | RB50#25               | 21.33                           | 0.55               | 21.88      | 0.154    | 1.000     | Pass    |
|                  |              |           | RB50#50               | 21.25                           | 0.55               | 21.80      | 0.151    | 1.000     | Pass    |
|                  |              |           | RB100#0               | 21.2                            | 0.55               | 21.75      | 0.150    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.47                           | 0.55               | 22.02      | 0.159    | 1.000     | Pass    |
|                  |              |           | RB1#50                | 21.82                           | 0.55               | 22.37      | 0.173    | 1.000     | Pass    |
|                  |              |           | RB1#99                | 21.32                           | 0.55               | 21.87      | 0.154    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 20.24                           | 0.55               | 20.79      | 0.120    | 1.000     | Pass    |
|                  |              |           | RB50#25               | 20.38                           | 0.55               | 20.93      | 0.124    | 1.000     | Pass    |
|                  |              |           | RB50#50               | 20.33                           | 0.55               | 20.88      | 0.122    | 1.000     | Pass    |
|                  |              |           | RB100#0               | 20.24                           | 0.55               | 20.79      | 0.120    | 1.000     | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 21.91                           | 0.55               | 22.46      | 0.176    | 1.000     | Pass    |
|                  |              |           | RB1#50                | 22.44                           | 0.55               | 22.99      | 0.199    | 1.000     | Pass    |
|                  |              |           | RB1#99                | 21.85                           | 0.55               | 22.40      | 0.174    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 21.32                           | 0.55               | 21.87      | 0.154    | 1.000     | Pass    |
|                  |              |           | RB50#25               | 21.25                           | 0.55               | 21.80      | 0.151    | 1.000     | Pass    |
|                  |              |           | RB50#50               | 21.08                           | 0.55               | 21.63      | 0.146    | 1.000     | Pass    |
|                  |              |           | RB100#0               | 21.21                           | 0.55               | 21.76      | 0.150    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.28                           | 0.55               | 21.83      | 0.152    | 1.000     | Pass    |
|                  |              |           | RB1#50                | 21.82                           | 0.55               | 22.37      | 0.173    | 1.000     | Pass    |
|                  |              |           | RB1#99                | 21.32                           | 0.55               | 21.87      | 0.154    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 20.38                           | 0.55               | 20.93      | 0.124    | 1.000     | Pass    |
|                  |              |           | RB50#25               | 20.33                           | 0.55               | 20.88      | 0.122    | 1.000     | Pass    |
|                  |              |           | RB50#50               | 20.12                           | 0.55               | 20.67      | 0.117    | 1.000     | Pass    |
|                  |              |           | RB100#0               | 20.29                           | 0.55               | 20.84      | 0.121    | 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 BAND5</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 1.4 MHz          | LCH          | QPSK      | RB1#0                 | 22.85                           | -2.85              | -5                 | 17.85     | 0.061   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 23.03                           | -2.85              | -5                 | 18.03     | 0.064   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 22.82                           | -2.85              | -5                 | 17.82     | 0.061   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 22.92                           | -2.85              | -5                 | 17.92     | 0.062   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 22.93                           | -2.85              | -5                 | 17.93     | 0.062   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 22.89                           | -2.85              | -5                 | 17.89     | 0.062   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 21.92                           | -2.85              | -5                 | 16.92     | 0.049   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.95                           | -2.85              | -5                 | 16.95     | 0.050   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 22.15                           | -2.85              | -5                 | 17.15     | 0.052   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 21.9                            | -2.85              | -5                 | 16.90     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 21.91                           | -2.85              | -5                 | 16.91     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 21.93                           | -2.85              | -5                 | 16.93     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 21.91                           | -2.85              | -5                 | 16.91     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 21.06                           | -2.85              | -5                 | 16.06     | 0.040   | 7.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.95                           | -2.85              | -5                 | 17.95     | 0.062   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 23.1                            | -2.85              | -5                 | 18.10     | 0.065   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 22.95                           | -2.85              | -5                 | 17.95     | 0.062   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 22.99                           | -2.85              | -5                 | 17.99     | 0.063   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 23.02                           | -2.85              | -5                 | 18.02     | 0.063   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 22.96                           | -2.85              | -5                 | 17.96     | 0.063   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 22                              | -2.85              | -5                 | 17.00     | 0.050   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 22.29                           | -2.85              | -5                 | 17.29     | 0.054   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 22.55                           | -2.85              | -5                 | 17.55     | 0.057   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 22.27                           | -2.85              | -5                 | 17.27     | 0.053   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 22.15                           | -2.85              | -5                 | 17.15     | 0.052   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 22.13                           | -2.85              | -5                 | 17.13     | 0.052   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 22.17                           | -2.85              | -5                 | 17.17     | 0.052   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 20.9                            | -2.85              | -5                 | 15.90     | 0.039   | 7.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.79                           | -2.85              | -5                 | 17.79     | 0.060   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 23.02                           | -2.85              | -5                 | 18.02     | 0.063   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 22.83                           | -2.85              | -5                 | 17.83     | 0.061   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 22.9                            | -2.85              | -5                 | 17.90     | 0.062   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 22.98                           | -2.85              | -5                 | 17.98     | 0.063   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 22.95                           | -2.85              | -5                 | 17.95     | 0.062   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 21.9                            | -2.85              | -5                 | 16.90     | 0.049   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.81                           | -2.85              | -5                 | 16.81     | 0.048   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 21.92                           | -2.85              | -5                 | 16.92     | 0.049   | 7.00      | 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 BAND5</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 3 MHz            |              |           | RB1#5                 | 21.85                           | -2.85              | -5                 | 16.85     | 0.048   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 22.05                           | -2.85              | -5                 | 17.05     | 0.051   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 22.09                           | -2.85              | -5                 | 17.09     | 0.051   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 22.02                           | -2.85              | -5                 | 17.02     | 0.050   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 21.04                           | -2.85              | -5                 | 16.04     | 0.040   | 7.00      | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 22.93                           | -2.85              | -5                 | 17.93     | 0.062   | 7.00      | Pass    |
|                  |              |           | RB1#7                 | 22.89                           | -2.85              | -5                 | 17.89     | 0.062   | 7.00      | Pass    |
|                  |              |           | RB1#14                | 22.93                           | -2.85              | -5                 | 17.93     | 0.062   | 7.00      | Pass    |
|                  |              |           | RB8#0                 | 21.93                           | -2.85              | -5                 | 16.93     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB8#4                 | 22.01                           | -2.85              | -5                 | 17.01     | 0.050   | 7.00      | Pass    |
|                  |              |           | RB8#7                 | 21.93                           | -2.85              | -5                 | 16.93     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB15#0                | 21.93                           | -2.85              | -5                 | 16.93     | 0.049   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.84                           | -2.85              | -5                 | 16.84     | 0.048   | 7.00      | Pass    |
|                  |              |           | RB1#7                 | 21.84                           | -2.85              | -5                 | 16.84     | 0.048   | 7.00      | Pass    |
|                  |              |           | RB1#14                | 21.88                           | -2.85              | -5                 | 16.88     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB8#0                 | 20.99                           | -2.85              | -5                 | 15.99     | 0.040   | 7.00      | Pass    |
|                  |              |           | RB8#4                 | 21.07                           | -2.85              | -5                 | 16.07     | 0.040   | 7.00      | Pass    |
|                  |              |           | RB8#7                 | 21.02                           | -2.85              | -5                 | 16.02     | 0.040   | 7.00      | Pass    |
|                  |              |           | RB15#0                | 20.94                           | -2.85              | -5                 | 15.94     | 0.039   | 7.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 23.04                           | -2.85              | -5                 | 18.04     | 0.064   | 7.00      | Pass    |
|                  |              |           | RB1#7                 | 23.03                           | -2.85              | -5                 | 18.03     | 0.064   | 7.00      | Pass    |
|                  |              |           | RB1#14                | 22.96                           | -2.85              | -5                 | 17.96     | 0.063   | 7.00      | Pass    |
|                  |              |           | RB8#0                 | 22                              | -2.85              | -5                 | 17.00     | 0.050   | 7.00      | Pass    |
|                  |              |           | RB8#4                 | 22.06                           | -2.85              | -5                 | 17.06     | 0.051   | 7.00      | Pass    |
|                  |              |           | RB8#7                 | 22.02                           | -2.85              | -5                 | 17.02     | 0.050   | 7.00      | Pass    |
|                  |              |           | RB15#0                | 22.02                           | -2.85              | -5                 | 17.02     | 0.050   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 22.36                           | -2.85              | -5                 | 17.36     | 0.054   | 7.00      | Pass    |
|                  |              |           | RB1#7                 | 22.38                           | -2.85              | -5                 | 17.38     | 0.055   | 7.00      | Pass    |
|                  |              |           | RB1#14                | 22.36                           | -2.85              | -5                 | 17.36     | 0.054   | 7.00      | Pass    |
|                  |              |           | RB8#0                 | 21.08                           | -2.85              | -5                 | 16.08     | 0.041   | 7.00      | Pass    |
|                  |              |           | RB8#4                 | 21.1                            | -2.85              | -5                 | 16.10     | 0.041   | 7.00      | Pass    |
|                  |              |           | RB8#7                 | 21.07                           | -2.85              | -5                 | 16.07     | 0.040   | 7.00      | Pass    |
|                  |              |           | RB15#0                | 21.02                           | -2.85              | -5                 | 16.02     | 0.040   | 7.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.94                           | -2.85              | -5                 | 17.94     | 0.062   | 7.00      | Pass    |
|                  |              |           | RB1#7                 | 22.94                           | -2.85              | -5                 | 17.94     | 0.062   | 7.00      | Pass    |
|                  |              |           | RB1#14                | 22.92                           | -2.85              | -5                 | 17.92     | 0.062   | 7.00      | Pass    |
|                  |              |           | RB8#0                 | 21.95                           | -2.85              | -5                 | 16.95     | 0.050   | 7.00      | Pass    |
|                  |              |           | RB8#4                 | 22                              | -2.85              | -5                 | 17.00     | 0.050   | 7.00      | 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 BAND5</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                  |              | 16-QAM    | RB8#7                 | 21.92                           | -2.85              | -5                 | 16.92     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB15#0                | 21.93                           | -2.85              | -5                 | 16.93     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB1#0                 | 21.94                           | -2.85              | -5                 | 16.94     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB1#7                 | 21.89                           | -2.85              | -5                 | 16.89     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB1#14                | 21.92                           | -2.85              | -5                 | 16.92     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB8#0                 | 20.96                           | -2.85              | -5                 | 15.96     | 0.039   | 7.00      | Pass    |
|                  |              |           | RB8#4                 | 21.01                           | -2.85              | -5                 | 16.01     | 0.040   | 7.00      | Pass    |
|                  |              |           | RB8#7                 | 20.94                           | -2.85              | -5                 | 15.94     | 0.039   | 7.00      | Pass    |
|                  |              |           | RB15#0                | 20.87                           | -2.85              | -5                 | 15.87     | 0.039   | 7.00      | Pass    |
|                  |              |           |                       |                                 |                    |                    |           |         |           |         |
| 5 MHz            | LCH          | QPSK      | RB1#0                 | 22.74                           | -2.85              | -5                 | 17.74     | 0.059   | 7.00      | Pass    |
|                  |              |           | RB1#13                | 22.93                           | -2.85              | -5                 | 17.93     | 0.062   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 22.82                           | -2.85              | -5                 | 17.82     | 0.061   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 21.79                           | -2.85              | -5                 | 16.79     | 0.048   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 21.9                            | -2.85              | -5                 | 16.90     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 21.86                           | -2.85              | -5                 | 16.86     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 21.85                           | -2.85              | -5                 | 16.85     | 0.048   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.93                           | -2.85              | -5                 | 16.93     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB1#13                | 22.08                           | -2.85              | -5                 | 17.08     | 0.051   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 21.99                           | -2.85              | -5                 | 16.99     | 0.050   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 20.87                           | -2.85              | -5                 | 15.87     | 0.039   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 20.93                           | -2.85              | -5                 | 15.93     | 0.039   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 20.89                           | -2.85              | -5                 | 15.89     | 0.039   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 20.82                           | -2.85              | -5                 | 15.82     | 0.038   | 7.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.84                           | -2.85              | -5                 | 17.84     | 0.061   | 7.00      | Pass    |
|                  |              |           | RB1#13                | 22.99                           | -2.85              | -5                 | 17.99     | 0.063   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 22.8                            | -2.85              | -5                 | 17.80     | 0.060   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 21.94                           | -2.85              | -5                 | 16.94     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 21.99                           | -2.85              | -5                 | 16.99     | 0.050   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 21.87                           | -2.85              | -5                 | 16.87     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 21.94                           | -2.85              | -5                 | 16.94     | 0.049   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 22.31                           | -2.85              | -5                 | 17.31     | 0.054   | 7.00      | Pass    |
|                  |              |           | RB1#13                | 22.48                           | -2.85              | -5                 | 17.48     | 0.056   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 22.25                           | -2.85              | -5                 | 17.25     | 0.053   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 21.03                           | -2.85              | -5                 | 16.03     | 0.040   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 21.09                           | -2.85              | -5                 | 16.09     | 0.041   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 21.01                           | -2.85              | -5                 | 16.01     | 0.040   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 20.98                           | -2.85              | -5                 | 15.98     | 0.040   | 7.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.76                           | -2.85              | -5                 | 17.76     | 0.060   | 7.00      | 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 BAND5</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                  |              |           | RB1#13                | 22.9                            | -2.85              | -5                 | 17.90     | 0.062   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 22.74                           | -2.85              | -5                 | 17.74     | 0.059   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 21.87                           | -2.85              | -5                 | 16.87     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 21.92                           | -2.85              | -5                 | 16.92     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 21.76                           | -2.85              | -5                 | 16.76     | 0.047   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 21.8                            | -2.85              | -5                 | 16.80     | 0.048   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.87                           | -2.85              | -5                 | 16.87     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB1#13                | 21.96                           | -2.85              | -5                 | 16.96     | 0.050   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 21.86                           | -2.85              | -5                 | 16.86     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 20.9                            | -2.85              | -5                 | 15.90     | 0.039   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 20.93                           | -2.85              | -5                 | 15.93     | 0.039   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 20.79                           | -2.85              | -5                 | 15.79     | 0.038   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 20.75                           | -2.85              | -5                 | 15.75     | 0.038   | 7.00      | Pass    |
| 10 MHz           | LCH          | QPSK      | RB1#0                 | 22.74                           | -2.85              | -5                 | 17.74     | 0.059   | 7.00      | Pass    |
|                  |              |           | RB1#25                | 23.08                           | -2.85              | -5                 | 18.08     | 0.064   | 7.00      | Pass    |
|                  |              |           | RB1#49                | 22.86                           | -2.85              | -5                 | 17.86     | 0.061   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 21.9                            | -2.85              | -5                 | 16.90     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB25#13               | 21.93                           | -2.85              | -5                 | 16.93     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB25#25               | 21.91                           | -2.85              | -5                 | 16.91     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB50#0                | 21.88                           | -2.85              | -5                 | 16.88     | 0.049   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.67                           | -2.85              | -5                 | 16.67     | 0.046   | 7.00      | Pass    |
|                  |              |           | RB1#25                | 21.94                           | -2.85              | -5                 | 16.94     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB1#49                | 21.75                           | -2.85              | -5                 | 16.75     | 0.047   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 20.91                           | -2.85              | -5                 | 15.91     | 0.039   | 7.00      | Pass    |
|                  |              |           | RB25#13               | 20.94                           | -2.85              | -5                 | 15.94     | 0.039   | 7.00      | Pass    |
|                  |              |           | RB25#25               | 20.9                            | -2.85              | -5                 | 15.90     | 0.039   | 7.00      | Pass    |
|                  |              |           | RB50#0                | 20.87                           | -2.85              | -5                 | 15.87     | 0.039   | 7.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.86                           | -2.85              | -5                 | 17.86     | 0.061   | 7.00      | Pass    |
|                  |              |           | RB1#25                | 23.11                           | -2.85              | -5                 | 18.11     | 0.065   | 7.00      | Pass    |
|                  |              |           | RB1#49                | 22.79                           | -2.85              | -5                 | 17.79     | 0.060   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 21.99                           | -2.85              | -5                 | 16.99     | 0.050   | 7.00      | Pass    |
|                  |              |           | RB25#13               | 21.96                           | -2.85              | -5                 | 16.96     | 0.050   | 7.00      | Pass    |
|                  |              |           | RB25#25               | 21.94                           | -2.85              | -5                 | 16.94     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB50#0                | 21.99                           | -2.85              | -5                 | 16.99     | 0.050   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 22.2                            | -2.85              | -5                 | 17.20     | 0.052   | 7.00      | Pass    |
|                  |              |           | RB1#25                | 22.48                           | -2.85              | -5                 | 17.48     | 0.056   | 7.00      | Pass    |
|                  |              |           | RB1#49                | 22.15                           | -2.85              | -5                 | 17.15     | 0.052   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 21.05                           | -2.85              | -5                 | 16.05     | 0.040   | 7.00      | 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 BAND5</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                  |              |           | RB25#13               | 20.98                           | -2.85              | -5                 | 15.98     | 0.040   | 7.00      | Pass    |
|                  |              |           | RB25#25               | 20.96                           | -2.85              | -5                 | 15.96     | 0.039   | 7.00      | Pass    |
|                  |              |           | RB50#0                | 20.98                           | -2.85              | -5                 | 15.98     | 0.040   | 7.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.88                           | -2.85              | -5                 | 17.88     | 0.061   | 7.00      | Pass    |
|                  |              |           | RB1#25                | 23.05                           | -2.85              | -5                 | 18.05     | 0.064   | 7.00      | Pass    |
|                  |              |           | RB1#49                | 22.75                           | -2.85              | -5                 | 17.75     | 0.060   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 21.96                           | -2.85              | -5                 | 16.96     | 0.050   | 7.00      | Pass    |
|                  |              |           | RB25#13               | 21.94                           | -2.85              | -5                 | 16.94     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB25#25               | 21.76                           | -2.85              | -5                 | 16.76     | 0.047   | 7.00      | Pass    |
|                  |              |           | RB50#0                | 21.9                            | -2.85              | -5                 | 16.90     | 0.049   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.88                           | -2.85              | -5                 | 16.88     | 0.049   | 7.00      | Pass    |
|                  |              |           | RB1#25                | 22.06                           | -2.85              | -5                 | 17.06     | 0.051   | 7.00      | Pass    |
|                  |              |           | RB1#49                | 21.72                           | -2.85              | -5                 | 16.72     | 0.047   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 21.06                           | -2.85              | -5                 | 16.06     | 0.040   | 7.00      | Pass    |
|                  |              |           | RB25#13               | 21                              | -2.85              | -5                 | 16.00     | 0.040   | 7.00      | Pass    |
|                  |              |           | RB25#25               | 20.82                           | -2.85              | -5                 | 15.82     | 0.038   | 7.00      | Pass    |
|                  |              |           | RB50#0                | 20.89                           | -2.85              | -5                 | 15.89     | 0.039   | 7.00      | 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 BAND7</b> |              |           |                       |                                 |                    |            |          |           |         |
| 5 MHz            | LCH          | QPSK      | RB1#0                 | 21.8                            | 1.96               | 23.76      | 0.238    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 21.9                            | 1.96               | 23.86      | 0.243    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 21.78                           | 1.96               | 23.74      | 0.237    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 20.83                           | 1.96               | 22.79      | 0.190    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 20.95                           | 1.96               | 22.91      | 0.195    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 20.84                           | 1.96               | 22.80      | 0.191    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.87                           | 1.96               | 22.83      | 0.192    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 20.9                            | 1.96               | 22.86      | 0.193    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 20.97                           | 1.96               | 22.93      | 0.196    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 20.89                           | 1.96               | 22.85      | 0.193    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 19.86                           | 1.96               | 21.82      | 0.152    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 19.97                           | 1.96               | 21.93      | 0.156    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 19.85                           | 1.96               | 21.81      | 0.152    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 19.81                           | 1.96               | 21.77      | 0.150    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 21.79                           | 1.96               | 23.75      | 0.237    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 21.91                           | 1.96               | 23.87      | 0.244    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 21.74                           | 1.96               | 23.70      | 0.234    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 20.91                           | 1.96               | 22.87      | 0.194    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 20.92                           | 1.96               | 22.88      | 0.194    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 20.8                            | 1.96               | 22.76      | 0.189    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.81                           | 1.96               | 22.77      | 0.189    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 20.97                           | 1.96               | 22.93      | 0.196    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 21.05                           | 1.96               | 23.01      | 0.200    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 20.94                           | 1.96               | 22.90      | 0.195    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 19.94                           | 1.96               | 21.90      | 0.155    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 19.94                           | 1.96               | 21.90      | 0.155    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 19.81                           | 1.96               | 21.77      | 0.150    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 19.84                           | 1.96               | 21.80      | 0.151    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.02                           | 1.96               | 23.98      | 0.250    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 22.19                           | 1.96               | 24.15      | 0.260    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 22.1                            | 1.96               | 24.06      | 0.255    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 21.09                           | 1.96               | 23.05      | 0.202    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 21.18                           | 1.96               | 23.14      | 0.206    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 21.07                           | 1.96               | 23.03      | 0.201    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 21.07                           | 1.96               | 23.03      | 0.201    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.48                           | 1.96               | 23.44      | 0.221    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 21.65                           | 1.96               | 23.61      | 0.230    | 2.00      | 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 BAND7</b> |              |           |                       |                                 |                    |            |          |           |         |
| 10 MHz           |              |           | RB1#24                | 21.52                           | 1.96               | 23.48      | 0.223    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 20.17                           | 1.96               | 22.13      | 0.163    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 20.29                           | 1.96               | 22.25      | 0.168    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 20.17                           | 1.96               | 22.13      | 0.163    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.18                           | 1.96               | 22.14      | 0.164    | 2.00      | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 21.87                           | 1.96               | 23.83      | 0.242    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 22.08                           | 1.96               | 24.04      | 0.254    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 21.8                            | 1.96               | 23.76      | 0.238    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.95                           | 1.96               | 22.91      | 0.195    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 20.97                           | 1.96               | 22.93      | 0.196    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 20.99                           | 1.96               | 22.95      | 0.197    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.93                           | 1.96               | 22.89      | 0.195    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 20.81                           | 1.96               | 22.77      | 0.189    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 21                              | 1.96               | 22.96      | 0.198    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 20.78                           | 1.96               | 22.74      | 0.188    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 19.95                           | 1.96               | 21.91      | 0.155    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 19.95                           | 1.96               | 21.91      | 0.155    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 19.97                           | 1.96               | 21.93      | 0.156    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 19.94                           | 1.96               | 21.90      | 0.155    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 21.92                           | 1.96               | 23.88      | 0.244    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 22.15                           | 1.96               | 24.11      | 0.258    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 21.84                           | 1.96               | 23.80      | 0.240    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 21.05                           | 1.96               | 23.01      | 0.200    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 20.99                           | 1.96               | 22.95      | 0.197    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 20.83                           | 1.96               | 22.79      | 0.190    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.96                           | 1.96               | 22.92      | 0.196    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.26                           | 1.96               | 23.22      | 0.210    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 21.47                           | 1.96               | 23.43      | 0.220    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 21.11                           | 1.96               | 23.07      | 0.203    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.05                           | 1.96               | 22.01      | 0.159    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 19.97                           | 1.96               | 21.93      | 0.156    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 19.87                           | 1.96               | 21.83      | 0.152    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 19.94                           | 1.96               | 21.90      | 0.155    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.06                           | 1.96               | 24.02      | 0.252    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 22.35                           | 1.96               | 24.31      | 0.270    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 22.15                           | 1.96               | 24.11      | 0.258    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 21.2                            | 1.96               | 23.16      | 0.207    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 21.19                           | 1.96               | 23.15      | 0.207    | 2.00      | 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 BAND7</b> |              |           |                       |                                 |                    |            |          |           |         |
| 15 MHz           |              |           | RB25#25               | 21.21                           | 1.96               | 23.17      | 0.207    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 21.19                           | 1.96               | 23.15      | 0.207    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.02                           | 1.96               | 22.98      | 0.199    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 21.34                           | 1.96               | 23.30      | 0.214    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 21.11                           | 1.96               | 23.07      | 0.203    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.24                           | 1.96               | 22.20      | 0.166    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 20.24                           | 1.96               | 22.20      | 0.166    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 20.23                           | 1.96               | 22.19      | 0.166    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.17                           | 1.96               | 22.13      | 0.163    | 2.00      | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 21.71                           | 1.96               | 23.67      | 0.233    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 21.88                           | 1.96               | 23.84      | 0.242    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 21.66                           | 1.96               | 23.62      | 0.230    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 20.93                           | 1.96               | 22.89      | 0.195    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 20.96                           | 1.96               | 22.92      | 0.196    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 20.96                           | 1.96               | 22.92      | 0.196    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 20.94                           | 1.96               | 22.90      | 0.195    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 20.64                           | 1.96               | 22.60      | 0.182    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 20.81                           | 1.96               | 22.77      | 0.189    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 20.61                           | 1.96               | 22.57      | 0.181    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 19.89                           | 1.96               | 21.85      | 0.153    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 19.89                           | 1.96               | 21.85      | 0.153    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 19.88                           | 1.96               | 21.84      | 0.153    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 19.9                            | 1.96               | 21.86      | 0.153    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 21.78                           | 1.96               | 23.74      | 0.237    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 21.95                           | 1.96               | 23.91      | 0.246    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 21.65                           | 1.96               | 23.61      | 0.230    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 21.05                           | 1.96               | 23.01      | 0.200    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 20.99                           | 1.96               | 22.95      | 0.197    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 20.82                           | 1.96               | 22.78      | 0.190    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 20.92                           | 1.96               | 22.88      | 0.194    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.1                            | 1.96               | 23.06      | 0.202    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 21.23                           | 1.96               | 23.19      | 0.208    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 20.95                           | 1.96               | 22.91      | 0.195    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 20.03                           | 1.96               | 21.99      | 0.158    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 19.95                           | 1.96               | 21.91      | 0.155    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 19.8                            | 1.96               | 21.76      | 0.150    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 19.87                           | 1.96               | 21.83      | 0.152    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 21.84                           | 1.96               | 23.80      | 0.240    | 2.00      | 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 BAND7</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB1#38                | 22.16                           | 1.96               | 24.12      | 0.258    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 22                              | 1.96               | 23.96      | 0.249    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 21.08                           | 1.96               | 23.04      | 0.201    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 21.16                           | 1.96               | 23.12      | 0.205    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 21.14                           | 1.96               | 23.10      | 0.204    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 21.12                           | 1.96               | 23.08      | 0.203    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.25                           | 1.96               | 23.21      | 0.209    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 21.52                           | 1.96               | 23.48      | 0.223    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 21.34                           | 1.96               | 23.30      | 0.214    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 20                              | 1.96               | 21.96      | 0.157    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 20.09                           | 1.96               | 22.05      | 0.160    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 20.09                           | 1.96               | 22.05      | 0.160    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 20.07                           | 1.96               | 22.03      | 0.160    | 2.00      | Pass    |
|                  |              |           |                       |                                 |                    |            |          |           |         |
| 20 MHz           | LCH          | QPSK      | RB1#0                 | 21.63                           | 1.96               | 23.59      | 0.229    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 22.08                           | 1.96               | 24.04      | 0.254    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 21.58                           | 1.96               | 23.54      | 0.226    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.82                           | 1.96               | 22.78      | 0.190    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 20.9                            | 1.96               | 22.86      | 0.193    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 20.94                           | 1.96               | 22.90      | 0.195    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 20.96                           | 1.96               | 22.92      | 0.196    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.1                            | 1.96               | 23.06      | 0.202    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 21.5                            | 1.96               | 23.46      | 0.222    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 21.07                           | 1.96               | 23.03      | 0.201    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 19.88                           | 1.96               | 21.84      | 0.153    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 19.97                           | 1.96               | 21.93      | 0.156    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 19.97                           | 1.96               | 21.93      | 0.156    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 19.94                           | 1.96               | 21.90      | 0.155    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 21.68                           | 1.96               | 23.64      | 0.231    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 22.14                           | 1.96               | 24.10      | 0.257    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 21.55                           | 1.96               | 23.51      | 0.224    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 21.08                           | 1.96               | 23.04      | 0.201    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 20.92                           | 1.96               | 22.88      | 0.194    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 20.68                           | 1.96               | 22.64      | 0.184    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 20.9                            | 1.96               | 22.86      | 0.193    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.07                           | 1.96               | 23.03      | 0.201    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 21.45                           | 1.96               | 23.41      | 0.219    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 20.91                           | 1.96               | 22.87      | 0.194    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.08                           | 1.96               | 22.04      | 0.160    | 2.00      | 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 BAND7</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB50#25               | 19.91                           | 1.96               | 21.87      | 0.154    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 19.68                           | 1.96               | 21.64      | 0.146    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 19.93                           | 1.96               | 21.89      | 0.155    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 21.64                           | 1.96               | 23.60      | 0.229    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 22.28                           | 1.96               | 24.24      | 0.265    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 21.83                           | 1.96               | 23.79      | 0.239    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 21.06                           | 1.96               | 23.02      | 0.200    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 21.09                           | 1.96               | 23.05      | 0.202    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 21.05                           | 1.96               | 23.01      | 0.200    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 21.12                           | 1.96               | 23.08      | 0.203    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.07                           | 1.96               | 23.03      | 0.201    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 21.64                           | 1.96               | 23.60      | 0.229    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 21.21                           | 1.96               | 23.17      | 0.207    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.03                           | 1.96               | 21.99      | 0.158    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 20.08                           | 1.96               | 22.04      | 0.160    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 20.01                           | 1.96               | 21.97      | 0.157    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 20.08                           | 1.96               | 22.04      | 0.160    | 2.00      | 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 BAND12</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 1.4 MHz           | LCH          | QPSK      | RB1#0                 | 22.82                           | -1.61              | -3.76              | 19.06     | 0.081   | 3.000     | Pass    |
|                   |              |           | RB1#3                 | 23                              | -1.61              | -3.76              | 19.24     | 0.084   | 3.000     | Pass    |
|                   |              |           | RB1#5                 | 22.83                           | -1.61              | -3.76              | 19.07     | 0.081   | 3.000     | Pass    |
|                   |              |           | RB3#0                 | 22.93                           | -1.61              | -3.76              | 19.17     | 0.083   | 3.000     | Pass    |
|                   |              |           | RB3#2                 | 22.91                           | -1.61              | -3.76              | 19.15     | 0.082   | 3.000     | Pass    |
|                   |              |           | RB3#3                 | 22.88                           | -1.61              | -3.76              | 19.12     | 0.082   | 3.000     | Pass    |
|                   |              |           | RB6#0                 | 21.86                           | -1.61              | -3.76              | 18.10     | 0.065   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.94                           | -1.61              | -3.76              | 18.18     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB1#3                 | 22.13                           | -1.61              | -3.76              | 18.37     | 0.069   | 3.000     | Pass    |
|                   |              |           | RB1#5                 | 21.97                           | -1.61              | -3.76              | 18.21     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB3#0                 | 21.97                           | -1.61              | -3.76              | 18.21     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB3#2                 | 21.9                            | -1.61              | -3.76              | 18.14     | 0.065   | 3.000     | Pass    |
|                   |              |           | RB3#3                 | 21.95                           | -1.61              | -3.76              | 18.19     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB6#0                 | 21.06                           | -1.61              | -3.76              | 17.30     | 0.054   | 3.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.72                           | -1.61              | -3.76              | 18.96     | 0.079   | 3.000     | Pass    |
|                   |              |           | RB1#3                 | 22.87                           | -1.61              | -3.76              | 19.11     | 0.081   | 3.000     | Pass    |
|                   |              |           | RB1#5                 | 22.69                           | -1.61              | -3.76              | 18.93     | 0.078   | 3.000     | Pass    |
|                   |              |           | RB3#0                 | 22.78                           | -1.61              | -3.76              | 19.02     | 0.080   | 3.000     | Pass    |
|                   |              |           | RB3#2                 | 22.83                           | -1.61              | -3.76              | 19.07     | 0.081   | 3.000     | Pass    |
|                   |              |           | RB3#3                 | 22.8                            | -1.61              | -3.76              | 19.04     | 0.080   | 3.000     | Pass    |
|                   |              |           | RB6#0                 | 21.8                            | -1.61              | -3.76              | 18.04     | 0.064   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.07                           | -1.61              | -3.76              | 18.31     | 0.068   | 3.000     | Pass    |
|                   |              |           | RB1#3                 | 22.16                           | -1.61              | -3.76              | 18.40     | 0.069   | 3.000     | Pass    |
|                   |              |           | RB1#5                 | 22.06                           | -1.61              | -3.76              | 18.30     | 0.068   | 3.000     | Pass    |
|                   |              |           | RB3#0                 | 21.95                           | -1.61              | -3.76              | 18.19     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB3#2                 | 21.95                           | -1.61              | -3.76              | 18.19     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB3#3                 | 21.94                           | -1.61              | -3.76              | 18.18     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB6#0                 | 20.74                           | -1.61              | -3.76              | 16.98     | 0.050   | 3.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.65                           | -1.61              | -3.76              | 18.89     | 0.077   | 3.000     | Pass    |
|                   |              |           | RB1#3                 | 22.9                            | -1.61              | -3.76              | 19.14     | 0.082   | 3.000     | Pass    |
|                   |              |           | RB1#5                 | 22.69                           | -1.61              | -3.76              | 18.93     | 0.078   | 3.000     | Pass    |
|                   |              |           | RB3#0                 | 22.78                           | -1.61              | -3.76              | 19.02     | 0.080   | 3.000     | Pass    |
|                   |              |           | RB3#2                 | 22.87                           | -1.61              | -3.76              | 19.11     | 0.081   | 3.000     | Pass    |
|                   |              |           | RB3#3                 | 22.85                           | -1.61              | -3.76              | 19.09     | 0.081   | 3.000     | Pass    |
|                   |              |           | RB6#0                 | 21.71                           | -1.61              | -3.76              | 17.95     | 0.062   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.71                           | -1.61              | -3.76              | 17.95     | 0.062   | 3.000     | Pass    |
|                   |              |           | RB1#3                 | 21.92                           | -1.61              | -3.76              | 18.16     | 0.065   | 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 BAND12</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 3 MHz             |              |           | RB1#5                 | 21.75                           | -1.61              | -3.76              | 17.99     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB3#0                 | 21.93                           | -1.61              | -3.76              | 18.17     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB3#2                 | 21.99                           | -1.61              | -3.76              | 18.23     | 0.067   | 3.000     | Pass    |
|                   |              |           | RB3#3                 | 21.96                           | -1.61              | -3.76              | 18.20     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB6#0                 | 20.96                           | -1.61              | -3.76              | 17.20     | 0.052   | 3.000     | Pass    |
|                   | LCH          | QPSK      | RB1#0                 | 22.92                           | -1.61              | -3.76              | 19.16     | 0.082   | 3.000     | Pass    |
|                   |              |           | RB1#7                 | 22.89                           | -1.61              | -3.76              | 19.13     | 0.082   | 3.000     | Pass    |
|                   |              |           | RB1#14                | 22.84                           | -1.61              | -3.76              | 19.08     | 0.081   | 3.000     | Pass    |
|                   |              |           | RB8#0                 | 21.98                           | -1.61              | -3.76              | 18.22     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB8#4                 | 21.95                           | -1.61              | -3.76              | 18.19     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB8#7                 | 21.88                           | -1.61              | -3.76              | 18.12     | 0.065   | 3.000     | Pass    |
|                   |              |           | RB15#0                | 21.91                           | -1.61              | -3.76              | 18.15     | 0.065   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.87                           | -1.61              | -3.76              | 18.11     | 0.065   | 3.000     | Pass    |
|                   |              |           | RB1#7                 | 21.88                           | -1.61              | -3.76              | 18.12     | 0.065   | 3.000     | Pass    |
|                   |              |           | RB1#14                | 21.83                           | -1.61              | -3.76              | 18.07     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB8#0                 | 21.09                           | -1.61              | -3.76              | 17.33     | 0.054   | 3.000     | Pass    |
|                   |              |           | RB8#4                 | 21.13                           | -1.61              | -3.76              | 17.37     | 0.055   | 3.000     | Pass    |
|                   |              |           | RB8#7                 | 21.09                           | -1.61              | -3.76              | 17.33     | 0.054   | 3.000     | Pass    |
|                   |              |           | RB15#0                | 21.03                           | -1.61              | -3.76              | 17.27     | 0.053   | 3.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.82                           | -1.61              | -3.76              | 19.06     | 0.081   | 3.000     | Pass    |
|                   |              |           | RB1#7                 | 22.85                           | -1.61              | -3.76              | 19.09     | 0.081   | 3.000     | Pass    |
|                   |              |           | RB1#14                | 22.78                           | -1.61              | -3.76              | 19.02     | 0.080   | 3.000     | Pass    |
|                   |              |           | RB8#0                 | 21.84                           | -1.61              | -3.76              | 18.08     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB8#4                 | 21.9                            | -1.61              | -3.76              | 18.14     | 0.065   | 3.000     | Pass    |
|                   |              |           | RB8#7                 | 21.86                           | -1.61              | -3.76              | 18.10     | 0.065   | 3.000     | Pass    |
|                   |              |           | RB15#0                | 21.83                           | -1.61              | -3.76              | 18.07     | 0.064   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.2                            | -1.61              | -3.76              | 18.44     | 0.070   | 3.000     | Pass    |
|                   |              |           | RB1#7                 | 22.2                            | -1.61              | -3.76              | 18.44     | 0.070   | 3.000     | Pass    |
|                   |              |           | RB1#14                | 22.15                           | -1.61              | -3.76              | 18.39     | 0.069   | 3.000     | Pass    |
|                   |              |           | RB8#0                 | 20.99                           | -1.61              | -3.76              | 17.23     | 0.053   | 3.000     | Pass    |
|                   |              |           | RB8#4                 | 21.01                           | -1.61              | -3.76              | 17.25     | 0.053   | 3.000     | Pass    |
|                   |              |           | RB8#7                 | 20.98                           | -1.61              | -3.76              | 17.22     | 0.053   | 3.000     | Pass    |
|                   |              |           | RB15#0                | 20.91                           | -1.61              | -3.76              | 17.15     | 0.052   | 3.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.77                           | -1.61              | -3.76              | 19.01     | 0.080   | 3.000     | Pass    |
|                   |              |           | RB1#7                 | 22.76                           | -1.61              | -3.76              | 19.00     | 0.079   | 3.000     | Pass    |
|                   |              |           | RB1#14                | 22.83                           | -1.61              | -3.76              | 19.07     | 0.081   | 3.000     | Pass    |
|                   |              |           | RB8#0                 | 21.8                            | -1.61              | -3.76              | 18.04     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB8#4                 | 21.84                           | -1.61              | -3.76              | 18.08     | 0.064   | 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 BAND12</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                   |              |           | RB8#7                 | 21.78                           | -1.61              | -3.76              | 18.02     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB15#0                | 21.77                           | -1.61              | -3.76              | 18.01     | 0.063   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.82                           | -1.61              | -3.76              | 18.06     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB1#7                 | 21.81                           | -1.61              | -3.76              | 18.05     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB1#14                | 21.81                           | -1.61              | -3.76              | 18.05     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB8#0                 | 20.88                           | -1.61              | -3.76              | 17.12     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB8#4                 | 20.97                           | -1.61              | -3.76              | 17.21     | 0.053   | 3.000     | Pass    |
|                   |              |           | RB8#7                 | 20.89                           | -1.61              | -3.76              | 17.13     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB15#0                | 20.79                           | -1.61              | -3.76              | 17.03     | 0.050   | 3.000     | Pass    |
| 5 MHz             | LCH          | QPSK      | RB1#0                 | 22.76                           | -1.61              | -3.76              | 19.00     | 0.079   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 22.87                           | -1.61              | -3.76              | 19.11     | 0.081   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 22.74                           | -1.61              | -3.76              | 18.98     | 0.079   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 21.91                           | -1.61              | -3.76              | 18.15     | 0.065   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 21.86                           | -1.61              | -3.76              | 18.10     | 0.065   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 21.74                           | -1.61              | -3.76              | 17.98     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.82                           | -1.61              | -3.76              | 18.06     | 0.064   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.89                           | -1.61              | -3.76              | 18.13     | 0.065   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 22.04                           | -1.61              | -3.76              | 18.28     | 0.067   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 21.94                           | -1.61              | -3.76              | 18.18     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 20.96                           | -1.61              | -3.76              | 17.20     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 20.99                           | -1.61              | -3.76              | 17.23     | 0.053   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 20.85                           | -1.61              | -3.76              | 17.09     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 20.87                           | -1.61              | -3.76              | 17.11     | 0.051   | 3.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.7                            | -1.61              | -3.76              | 18.94     | 0.078   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 22.8                            | -1.61              | -3.76              | 19.04     | 0.080   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 22.63                           | -1.61              | -3.76              | 18.87     | 0.077   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 21.71                           | -1.61              | -3.76              | 17.95     | 0.062   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 21.79                           | -1.61              | -3.76              | 18.03     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 21.8                            | -1.61              | -3.76              | 18.04     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.77                           | -1.61              | -3.76              | 18.01     | 0.063   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.17                           | -1.61              | -3.76              | 18.41     | 0.069   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 22.26                           | -1.61              | -3.76              | 18.50     | 0.071   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 22.07                           | -1.61              | -3.76              | 18.31     | 0.068   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 20.84                           | -1.61              | -3.76              | 17.08     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 20.99                           | -1.61              | -3.76              | 17.23     | 0.053   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 20.97                           | -1.61              | -3.76              | 17.21     | 0.053   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 20.9                            | -1.61              | -3.76              | 17.14     | 0.052   | 3.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.59                           | -1.61              | -3.76              | 18.83     | 0.076   | 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 BAND12</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                   |              |           | RB1#13                | 22.71                           | -1.61              | -3.76              | 18.95     | 0.079   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 22.64                           | -1.61              | -3.76              | 18.88     | 0.077   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 21.73                           | -1.61              | -3.76              | 17.97     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 21.71                           | -1.61              | -3.76              | 17.95     | 0.062   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 21.61                           | -1.61              | -3.76              | 17.85     | 0.061   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.65                           | -1.61              | -3.76              | 17.89     | 0.062   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.71                           | -1.61              | -3.76              | 17.95     | 0.062   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 21.84                           | -1.61              | -3.76              | 18.08     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 21.76                           | -1.61              | -3.76              | 18.00     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 20.85                           | -1.61              | -3.76              | 17.09     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 20.83                           | -1.61              | -3.76              | 17.07     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 20.68                           | -1.61              | -3.76              | 16.92     | 0.049   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 20.68                           | -1.61              | -3.76              | 16.92     | 0.049   | 3.000     | Pass    |
|                   |              |           |                       |                                 |                    |                    |           |         |           |         |
| 10 MHz            | LCH          | QPSK      | RB1#0                 | 22.72                           | -1.61              | -3.76              | 18.96     | 0.079   | 3.000     | Pass    |
|                   |              |           | RB1#25                | 23                              | -1.61              | -3.76              | 19.24     | 0.084   | 3.000     | Pass    |
|                   |              |           | RB1#49                | 22.64                           | -1.61              | -3.76              | 18.88     | 0.077   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.99                           | -1.61              | -3.76              | 18.23     | 0.067   | 3.000     | Pass    |
|                   |              |           | RB25#13               | 21.86                           | -1.61              | -3.76              | 18.10     | 0.065   | 3.000     | Pass    |
|                   |              |           | RB25#25               | 21.92                           | -1.61              | -3.76              | 18.16     | 0.065   | 3.000     | Pass    |
|                   |              |           | RB50#0                | 21.94                           | -1.61              | -3.76              | 18.18     | 0.066   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.73                           | -1.61              | -3.76              | 17.97     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB1#25                | 21.97                           | -1.61              | -3.76              | 18.21     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB1#49                | 21.55                           | -1.61              | -3.76              | 17.79     | 0.060   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.06                           | -1.61              | -3.76              | 17.30     | 0.054   | 3.000     | Pass    |
|                   |              |           | RB25#13               | 20.95                           | -1.61              | -3.76              | 17.19     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB25#25               | 20.96                           | -1.61              | -3.76              | 17.20     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB50#0                | 21.01                           | -1.61              | -3.76              | 17.25     | 0.053   | 3.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.71                           | -1.61              | -3.76              | 18.95     | 0.079   | 3.000     | Pass    |
|                   |              |           | RB1#25                | 22.83                           | -1.61              | -3.76              | 19.07     | 0.081   | 3.000     | Pass    |
|                   |              |           | RB1#49                | 22.61                           | -1.61              | -3.76              | 18.85     | 0.077   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.76                           | -1.61              | -3.76              | 18.00     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB25#13               | 21.77                           | -1.61              | -3.76              | 18.01     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB25#25               | 21.86                           | -1.61              | -3.76              | 18.10     | 0.065   | 3.000     | Pass    |
|                   |              |           | RB50#0                | 21.83                           | -1.61              | -3.76              | 18.07     | 0.064   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.11                           | -1.61              | -3.76              | 18.35     | 0.068   | 3.000     | Pass    |
|                   |              |           | RB1#25                | 22.28                           | -1.61              | -3.76              | 18.52     | 0.071   | 3.000     | Pass    |
|                   |              |           | RB1#49                | 21.93                           | -1.61              | -3.76              | 18.17     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 20.86                           | -1.61              | -3.76              | 17.10     | 0.051   | 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 BAND12</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                   |              |           | RB25#13               | 20.9                            | -1.61              | -3.76              | 17.14     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB25#25               | 20.93                           | -1.61              | -3.76              | 17.17     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB50#0                | 20.93                           | -1.61              | -3.76              | 17.17     | 0.052   | 3.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.68                           | -1.61              | -3.76              | 18.92     | 0.078   | 3.000     | Pass    |
|                   |              |           | RB1#25                | 22.89                           | -1.61              | -3.76              | 19.13     | 0.082   | 3.000     | Pass    |
|                   |              |           | RB1#49                | 22.62                           | -1.61              | -3.76              | 18.86     | 0.077   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.55                           | -1.61              | -3.76              | 17.79     | 0.060   | 3.000     | Pass    |
|                   |              |           | RB25#13               | 21.76                           | -1.61              | -3.76              | 18.00     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB25#25               | 21.53                           | -1.61              | -3.76              | 17.77     | 0.060   | 3.000     | Pass    |
|                   |              |           | RB50#0                | 21.53                           | -1.61              | -3.76              | 17.77     | 0.060   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.7                            | -1.61              | -3.76              | 17.94     | 0.062   | 3.000     | Pass    |
|                   |              |           | RB1#25                | 21.85                           | -1.61              | -3.76              | 18.09     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB1#49                | 21.61                           | -1.61              | -3.76              | 17.85     | 0.061   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 20.69                           | -1.61              | -3.76              | 16.93     | 0.049   | 3.000     | Pass    |
|                   |              |           | RB25#13               | 20.87                           | -1.61              | -3.76              | 17.11     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB25#25               | 20.66                           | -1.61              | -3.76              | 16.90     | 0.049   | 3.000     | Pass    |
|                   |              |           | RB50#0                | 20.63                           | -1.61              | -3.76              | 16.87     | 0.049   | 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 BAND17</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 5 MHz             | LCH          | QPSK      | RB1#0                 | 22.68                           | -1.63              | -3.78              | 18.90     | 0.078   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 22.78                           | -1.63              | -3.78              | 19.00     | 0.079   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 22.58                           | -1.63              | -3.78              | 18.80     | 0.076   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 21.64                           | -1.63              | -3.78              | 17.86     | 0.061   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 21.78                           | -1.63              | -3.78              | 18.00     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 21.77                           | -1.63              | -3.78              | 17.99     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.73                           | -1.63              | -3.78              | 17.95     | 0.062   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.85                           | -1.63              | -3.78              | 18.07     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 21.91                           | -1.63              | -3.78              | 18.13     | 0.065   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 21.77                           | -1.63              | -3.78              | 17.99     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 20.75                           | -1.63              | -3.78              | 16.97     | 0.050   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 20.92                           | -1.63              | -3.78              | 17.14     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 20.86                           | -1.63              | -3.78              | 17.08     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 20.82                           | -1.63              | -3.78              | 17.04     | 0.051   | 3.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.65                           | -1.63              | -3.78              | 18.87     | 0.077   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 22.73                           | -1.63              | -3.78              | 18.95     | 0.079   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 22.63                           | -1.63              | -3.78              | 18.85     | 0.077   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 21.58                           | -1.63              | -3.78              | 17.80     | 0.060   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 21.73                           | -1.63              | -3.78              | 17.95     | 0.062   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 21.65                           | -1.63              | -3.78              | 17.87     | 0.061   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.64                           | -1.63              | -3.78              | 17.86     | 0.061   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.06                           | -1.63              | -3.78              | 18.28     | 0.067   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 22.21                           | -1.63              | -3.78              | 18.43     | 0.070   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 22.05                           | -1.63              | -3.78              | 18.27     | 0.067   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 20.72                           | -1.63              | -3.78              | 16.94     | 0.049   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 20.9                            | -1.63              | -3.78              | 17.12     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 20.83                           | -1.63              | -3.78              | 17.05     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 20.74                           | -1.63              | -3.78              | 16.96     | 0.050   | 3.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.6                            | -1.63              | -3.78              | 18.82     | 0.076   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 22.75                           | -1.63              | -3.78              | 18.97     | 0.079   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 22.62                           | -1.63              | -3.78              | 18.84     | 0.077   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 21.73                           | -1.63              | -3.78              | 17.95     | 0.062   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 21.74                           | -1.63              | -3.78              | 17.96     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 21.56                           | -1.63              | -3.78              | 17.78     | 0.060   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.66                           | -1.63              | -3.78              | 17.88     | 0.061   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.65                           | -1.63              | -3.78              | 17.87     | 0.061   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 21.86                           | -1.63              | -3.78              | 18.08     | 0.064   | 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 BAND17</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 10 MHz            |              |           | RB1#24                | 21.71                           | -1.63              | -3.78              | 17.93     | 0.062   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 20.84                           | -1.63              | -3.78              | 17.06     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 20.86                           | -1.63              | -3.78              | 17.08     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 20.65                           | -1.63              | -3.78              | 16.87     | 0.049   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 20.7                            | -1.63              | -3.78              | 16.92     | 0.049   | 3.000     | Pass    |
|                   | LCH          | QPSK      | RB1#0                 | 22.66                           | -1.63              | -3.78              | 18.88     | 0.077   | 3.000     | Pass    |
|                   |              |           | RB1#25                | 22.86                           | -1.63              | -3.78              | 19.08     | 0.081   | 3.000     | Pass    |
|                   |              |           | RB1#49                | 22.6                            | -1.63              | -3.78              | 18.82     | 0.076   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.64                           | -1.63              | -3.78              | 17.86     | 0.061   | 3.000     | Pass    |
|                   |              |           | RB25#13               | 21.75                           | -1.63              | -3.78              | 17.97     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB25#25               | 21.7                            | -1.63              | -3.78              | 17.92     | 0.062   | 3.000     | Pass    |
|                   |              |           | RB50#0                | 21.65                           | -1.63              | -3.78              | 17.87     | 0.061   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.65                           | -1.63              | -3.78              | 17.87     | 0.061   | 3.000     | Pass    |
|                   |              |           | RB1#25                | 21.76                           | -1.63              | -3.78              | 17.98     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB1#49                | 21.53                           | -1.63              | -3.78              | 17.75     | 0.060   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 20.74                           | -1.63              | -3.78              | 16.96     | 0.050   | 3.000     | Pass    |
|                   |              |           | RB25#13               | 20.84                           | -1.63              | -3.78              | 17.06     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB25#25               | 20.76                           | -1.63              | -3.78              | 16.98     | 0.050   | 3.000     | Pass    |
|                   |              |           | RB50#0                | 20.68                           | -1.63              | -3.78              | 16.90     | 0.049   | 3.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.69                           | -1.63              | -3.78              | 18.91     | 0.078   | 3.000     | Pass    |
|                   |              |           | RB1#25                | 22.91                           | -1.63              | -3.78              | 19.13     | 0.082   | 3.000     | Pass    |
|                   |              |           | RB1#49                | 22.62                           | -1.63              | -3.78              | 18.84     | 0.077   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.54                           | -1.63              | -3.78              | 17.76     | 0.060   | 3.000     | Pass    |
|                   |              |           | RB25#13               | 21.73                           | -1.63              | -3.78              | 17.95     | 0.062   | 3.000     | Pass    |
|                   |              |           | RB25#25               | 21.59                           | -1.63              | -3.78              | 17.81     | 0.060   | 3.000     | Pass    |
|                   |              |           | RB50#0                | 21.57                           | -1.63              | -3.78              | 17.79     | 0.060   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.01                           | -1.63              | -3.78              | 18.23     | 0.067   | 3.000     | Pass    |
|                   |              |           | RB1#25                | 22.21                           | -1.63              | -3.78              | 18.43     | 0.070   | 3.000     | Pass    |
|                   |              |           | RB1#49                | 21.98                           | -1.63              | -3.78              | 18.20     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 20.67                           | -1.63              | -3.78              | 16.89     | 0.049   | 3.000     | Pass    |
|                   |              |           | RB25#13               | 20.83                           | -1.63              | -3.78              | 17.05     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB25#25               | 20.66                           | -1.63              | -3.78              | 16.88     | 0.049   | 3.000     | Pass    |
|                   |              |           | RB50#0                | 20.68                           | -1.63              | -3.78              | 16.90     | 0.049   | 3.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.65                           | -1.63              | -3.78              | 18.87     | 0.077   | 3.000     | Pass    |
|                   |              |           | RB1#25                | 22.8                            | -1.63              | -3.78              | 19.02     | 0.080   | 3.000     | Pass    |
|                   |              |           | RB1#49                | 22.64                           | -1.63              | -3.78              | 18.86     | 0.077   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.53                           | -1.63              | -3.78              | 17.75     | 0.060   | 3.000     | Pass    |
|                   |              |           | RB25#13               | 21.73                           | -1.63              | -3.78              | 17.95     | 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 BAND17</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                   |              |           | RB25#25               | 21.51                           | -1.63              | -3.78              | 17.73     | 0.059   | 3.000     | Pass    |
|                   |              |           | RB50#0                | 21.53                           | -1.63              | -3.78              | 17.75     | 0.060   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.64                           | -1.63              | -3.78              | 17.86     | 0.061   | 3.000     | Pass    |
|                   |              |           | RB1#25                | 21.89                           | -1.63              | -3.78              | 18.11     | 0.065   | 3.000     | Pass    |
|                   |              |           | RB1#49                | 21.62                           | -1.63              | -3.78              | 17.84     | 0.061   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 20.71                           | -1.63              | -3.78              | 16.93     | 0.049   | 3.000     | Pass    |
|                   |              |           | RB25#13               | 20.85                           | -1.63              | -3.78              | 17.07     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB25#25               | 20.68                           | -1.63              | -3.78              | 16.90     | 0.049   | 3.000     | Pass    |
|                   |              |           | RB50#0                | 20.59                           | -1.63              | -3.78              | 16.81     | 0.048   | 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 BAND18 (Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 5 MHz                      | LCH          | QPSK      | RB1#0                 | 22.74                           | -2.86              | -5.01              | 17.73     | 0.059   | 7.000     | Pass    |
|                            |              |           | RB1#13                | 22.94                           | -2.86              | -5.01              | 17.93     | 0.062   | 7.000     | Pass    |
|                            |              |           | RB1#24                | 22.88                           | -2.86              | -5.01              | 17.87     | 0.061   | 7.000     | Pass    |
|                            |              |           | RB12#0                | 21.92                           | -2.86              | -5.01              | 16.91     | 0.049   | 7.000     | Pass    |
|                            |              |           | RB12#6                | 22.04                           | -2.86              | -5.01              | 17.03     | 0.050   | 7.000     | Pass    |
|                            |              |           | RB12#13               | 21.96                           | -2.86              | -5.01              | 16.95     | 0.050   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 21.9                            | -2.86              | -5.01              | 16.89     | 0.049   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.89                           | -2.86              | -5.01              | 16.88     | 0.049   | 7.000     | Pass    |
|                            |              |           | RB1#13                | 22.06                           | -2.86              | -5.01              | 17.05     | 0.051   | 7.000     | Pass    |
|                            |              |           | RB1#24                | 22.01                           | -2.86              | -5.01              | 17.00     | 0.050   | 7.000     | Pass    |
|                            |              |           | RB12#0                | 20.93                           | -2.86              | -5.01              | 15.92     | 0.039   | 7.000     | Pass    |
|                            |              |           | RB12#6                | 21.06                           | -2.86              | -5.01              | 16.05     | 0.040   | 7.000     | Pass    |
|                            |              |           | RB12#13               | 20.98                           | -2.86              | -5.01              | 15.97     | 0.040   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 20.87                           | -2.86              | -5.01              | 15.86     | 0.039   | 7.000     | Pass    |
|                            | MCH          | QPSK      | RB1#0                 | 22.8                            | -2.86              | -5.01              | 17.79     | 0.060   | 7.000     | Pass    |
|                            |              |           | RB1#13                | 23.02                           | -2.86              | -5.01              | 18.01     | 0.063   | 7.000     | Pass    |
|                            |              |           | RB1#24                | 22.89                           | -2.86              | -5.01              | 17.88     | 0.061   | 7.000     | Pass    |
|                            |              |           | RB12#0                | 21.9                            | -2.86              | -5.01              | 16.89     | 0.049   | 7.000     | Pass    |
|                            |              |           | RB12#6                | 22.02                           | -2.86              | -5.01              | 17.01     | 0.050   | 7.000     | Pass    |
|                            |              |           | RB12#13               | 21.91                           | -2.86              | -5.01              | 16.90     | 0.049   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 21.94                           | -2.86              | -5.01              | 16.93     | 0.049   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.93                           | -2.86              | -5.01              | 16.92     | 0.049   | 7.000     | Pass    |
|                            |              |           | RB1#13                | 22.02                           | -2.86              | -5.01              | 17.01     | 0.050   | 7.000     | Pass    |
|                            |              |           | RB1#24                | 21.75                           | -2.86              | -5.01              | 16.74     | 0.047   | 7.000     | Pass    |
|                            |              |           | RB12#0                | 20.78                           | -2.86              | -5.01              | 15.77     | 0.038   | 7.000     | Pass    |
|                            |              |           | RB12#6                | 21.03                           | -2.86              | -5.01              | 16.02     | 0.040   | 7.000     | Pass    |
|                            |              |           | RB12#13               | 20.97                           | -2.86              | -5.01              | 15.96     | 0.039   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 20.93                           | -2.86              | -5.01              | 15.92     | 0.039   | 7.000     | Pass    |
|                            | HCH          | QPSK      | RB1#0                 | 22.8                            | -2.86              | -5.01              | 17.79     | 0.060   | 7.000     | Pass    |
|                            |              |           | RB1#13                | 23                              | -2.86              | -5.01              | 17.99     | 0.063   | 7.000     | Pass    |
|                            |              |           | RB1#24                | 22.91                           | -2.86              | -5.01              | 17.90     | 0.062   | 7.000     | Pass    |
|                            |              |           | RB12#0                | 21.85                           | -2.86              | -5.01              | 16.84     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB12#6                | 21.99                           | -2.86              | -5.01              | 16.98     | 0.050   | 7.000     | Pass    |
|                            |              |           | RB12#13               | 21.94                           | -2.86              | -5.01              | 16.93     | 0.049   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 21.93                           | -2.86              | -5.01              | 16.92     | 0.049   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 22.12                           | -2.86              | -5.01              | 17.11     | 0.051   | 7.000     | Pass    |
|                            |              |           | RB1#13                | 22.18                           | -2.86              | -5.01              | 17.17     | 0.052   | 7.000     | Pass    |
|                            |              |           | RB1#24                | 21.95                           | -2.86              | -5.01              | 16.94     | 0.049   | 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 BAND18 (Part22) |              |           |                       |                                 |                    |                    |           |         |           |         |
|                     |              |           | RB12#0                | 20.87                           | -2.86              | -5.01              | 15.86     | 0.039   | 7.000     | Pass    |
|                     |              |           | RB12#6                | 21.11                           | -2.86              | -5.01              | 16.10     | 0.041   | 7.000     | Pass    |
|                     |              |           | RB12#13               | 21.07                           | -2.86              | -5.01              | 16.06     | 0.040   | 7.000     | Pass    |
|                     |              |           | RB25#0                | 20.97                           | -2.86              | -5.01              | 15.96     | 0.039   | 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 BAND18 (Part90)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 5 MHz                      | LCH          | QPSK      | RB1#0                 | 22.56                           | -2.86              | -5.01              | 17.55     | 0.057   | 100.000   | Pass    |
|                            |              |           | RB1#13                | 22.64                           | -2.86              | -5.01              | 17.63     | 0.058   | 100.000   | Pass    |
|                            |              |           | RB1#24                | 22.27                           | -2.86              | -5.01              | 17.26     | 0.053   | 100.000   | Pass    |
|                            |              |           | RB12#0                | 21.29                           | -2.86              | -5.01              | 16.28     | 0.042   | 100.000   | Pass    |
|                            |              |           | RB12#6                | 21.53                           | -2.86              | -5.01              | 16.52     | 0.045   | 100.000   | Pass    |
|                            |              |           | RB12#13               | 21.4                            | -2.86              | -5.01              | 16.39     | 0.044   | 100.000   | Pass    |
|                            |              |           | RB25#0                | 21.34                           | -2.86              | -5.01              | 16.33     | 0.043   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.14                           | -2.86              | -5.01              | 16.13     | 0.041   | 100.000   | Pass    |
|                            |              |           | RB1#13                | 21.31                           | -2.86              | -5.01              | 16.30     | 0.043   | 100.000   | Pass    |
|                            |              |           | RB1#24                | 21.28                           | -2.86              | -5.01              | 16.27     | 0.042   | 100.000   | Pass    |
|                            |              |           | RB12#0                | 20.18                           | -2.86              | -5.01              | 15.17     | 0.033   | 100.000   | Pass    |
|                            |              |           | RB12#6                | 20.28                           | -2.86              | -5.01              | 15.27     | 0.034   | 100.000   | Pass    |
|                            |              |           | RB12#13               | 20.31                           | -2.86              | -5.01              | 15.30     | 0.034   | 100.000   | Pass    |
|                            |              |           | RB25#0                | 20.38                           | -2.86              | -5.01              | 15.37     | 0.034   | 100.000   | Pass    |
|                            | MCH          | QPSK      | RB1#0                 | 22.6                            | -2.86              | -5.01              | 17.59     | 0.057   | 100.000   | Pass    |
|                            |              |           | RB1#13                | 22.76                           | -2.86              | -5.01              | 17.75     | 0.060   | 100.000   | Pass    |
|                            |              |           | RB1#24                | 22.42                           | -2.86              | -5.01              | 17.41     | 0.055   | 100.000   | Pass    |
|                            |              |           | RB12#0                | 21.55                           | -2.86              | -5.01              | 16.54     | 0.045   | 100.000   | Pass    |
|                            |              |           | RB12#6                | 21.62                           | -2.86              | -5.01              | 16.61     | 0.046   | 100.000   | Pass    |
|                            |              |           | RB12#13               | 21.6                            | -2.86              | -5.01              | 16.59     | 0.046   | 100.000   | Pass    |
|                            |              |           | RB25#0                | 21.3                            | -2.86              | -5.01              | 16.29     | 0.043   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.33                           | -2.86              | -5.01              | 16.32     | 0.043   | 100.000   | Pass    |
|                            |              |           | RB1#13                | 21.44                           | -2.86              | -5.01              | 16.43     | 0.044   | 100.000   | Pass    |
|                            |              |           | RB1#24                | 21.39                           | -2.86              | -5.01              | 16.38     | 0.043   | 100.000   | Pass    |
|                            |              |           | RB12#0                | 20.22                           | -2.86              | -5.01              | 15.21     | 0.033   | 100.000   | Pass    |
|                            |              |           | RB12#6                | 20.33                           | -2.86              | -5.01              | 15.32     | 0.034   | 100.000   | Pass    |
|                            |              |           | RB12#13               | 20.43                           | -2.86              | -5.01              | 15.42     | 0.035   | 100.000   | Pass    |
|                            |              |           | RB25#0                | 20.45                           | -2.86              | -5.01              | 15.44     | 0.035   | 100.000   | Pass    |
|                            | HCH          | QPSK      | RB1#0                 | 22.69                           | -2.86              | -5.01              | 17.68     | 0.059   | 100.000   | Pass    |
|                            |              |           | RB1#13                | 22.8                            | -2.86              | -5.01              | 17.79     | 0.060   | 100.000   | Pass    |
|                            |              |           | RB1#24                | 22.32                           | -2.86              | -5.01              | 17.31     | 0.054   | 100.000   | Pass    |
|                            |              |           | RB12#0                | 21.32                           | -2.86              | -5.01              | 16.31     | 0.043   | 100.000   | Pass    |
|                            |              |           | RB12#6                | 21.52                           | -2.86              | -5.01              | 16.51     | 0.045   | 100.000   | Pass    |
|                            |              |           | RB12#13               | 21.49                           | -2.86              | -5.01              | 16.48     | 0.044   | 100.000   | Pass    |
|                            |              |           | RB25#0                | 21.34                           | -2.86              | -5.01              | 16.33     | 0.043   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.63                           | -2.86              | -5.01              | 16.62     | 0.046   | 100.000   | Pass    |
|                            |              |           | RB1#13                | 21.79                           | -2.86              | -5.01              | 16.78     | 0.048   | 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 BAND18 (Part90) |              |           |                       |                                 |                    |                    |           |         |           |         |
|                     |              |           | RB1#24                | 21.73                           | -2.86              | -5.01              | 16.72     | 0.047   | 100.000   | Pass    |
|                     |              |           | RB12#0                | 20.36                           | -2.86              | -5.01              | 15.35     | 0.034   | 100.000   | Pass    |
|                     |              |           | RB12#6                | 20.46                           | -2.86              | -5.01              | 15.45     | 0.035   | 100.000   | Pass    |
|                     |              |           | RB12#13               | 20.4                            | -2.86              | -5.01              | 15.39     | 0.035   | 100.000   | Pass    |
|                     |              |           | RB25#0                | 20.35                           | -2.86              | -5.01              | 15.34     | 0.034   | 100.000   | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND19</b> |              |           |                       |                              |                    |                    |           |         |           |         |
| 5 MHz             | LCH          | QPSK      | RB1#0                 | 22.96                        | -2.85              | -5                 | 17.96     | 0.063   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 23.08                        | -2.85              | -5                 | 18.08     | 0.064   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 22.64                        | -2.85              | -5                 | 17.64     | 0.058   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 21.6                         | -2.85              | -5                 | 16.60     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 21.61                        | -2.85              | -5                 | 16.61     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 21.54                        | -2.85              | -5                 | 16.54     | 0.045   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.58                        | -2.85              | -5                 | 16.58     | 0.045   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.92                        | -2.85              | -5                 | 16.92     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 22.06                        | -2.85              | -5                 | 17.06     | 0.051   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 21.97                        | -2.85              | -5                 | 16.97     | 0.050   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 20.66                        | -2.85              | -5                 | 15.66     | 0.037   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 20.72                        | -2.85              | -5                 | 15.72     | 0.037   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 20.59                        | -2.85              | -5                 | 15.59     | 0.036   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 20.62                        | -2.85              | -5                 | 15.62     | 0.036   | 7.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.74                        | -2.85              | -5                 | 17.74     | 0.059   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 22.61                        | -2.85              | -5                 | 17.61     | 0.058   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 22.47                        | -2.85              | -5                 | 17.47     | 0.056   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 21.58                        | -2.85              | -5                 | 16.58     | 0.045   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 21.66                        | -2.85              | -5                 | 16.66     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 21.55                        | -2.85              | -5                 | 16.55     | 0.045   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.61                        | -2.85              | -5                 | 16.61     | 0.046   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.6                         | -2.85              | -5                 | 16.60     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 21.72                        | -2.85              | -5                 | 16.72     | 0.047   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 21.58                        | -2.85              | -5                 | 16.58     | 0.045   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 20.63                        | -2.85              | -5                 | 15.63     | 0.037   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 20.66                        | -2.85              | -5                 | 15.66     | 0.037   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 20.59                        | -2.85              | -5                 | 15.59     | 0.036   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 20.55                        | -2.85              | -5                 | 15.55     | 0.036   | 7.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.55                        | -2.85              | -5                 | 17.55     | 0.057   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 22.62                        | -2.85              | -5                 | 17.62     | 0.058   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 22.53                        | -2.85              | -5                 | 17.53     | 0.057   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 21.59                        | -2.85              | -5                 | 16.59     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 21.62                        | -2.85              | -5                 | 16.62     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 21.52                        | -2.85              | -5                 | 16.52     | 0.045   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.57                        | -2.85              | -5                 | 16.57     | 0.045   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.67                        | -2.85              | -5                 | 16.67     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 21.79                        | -2.85              | -5                 | 16.79     | 0.048   | 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 BAND19</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 10 MHz            |              |           | RB1#24                | 21.68                           | -2.85              | -5                 | 16.68     | 0.047   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 20.65                           | -2.85              | -5                 | 15.65     | 0.037   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 20.67                           | -2.85              | -5                 | 15.67     | 0.037   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 20.54                           | -2.85              | -5                 | 15.54     | 0.036   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 20.56                           | -2.85              | -5                 | 15.56     | 0.036   | 7.000     | Pass    |
|                   | LCH          | QPSK      | RB1#0                 | 22.98                           | -2.85              | -5                 | 17.98     | 0.063   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 23.24                           | -2.85              | -5                 | 18.24     | 0.067   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 22.51                           | -2.85              | -5                 | 17.51     | 0.056   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.65                           | -2.85              | -5                 | 16.65     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 21.63                           | -2.85              | -5                 | 16.63     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 21.59                           | -2.85              | -5                 | 16.59     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 21.62                           | -2.85              | -5                 | 16.62     | 0.046   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.4                            | -2.85              | -5                 | 16.40     | 0.044   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 21.75                           | -2.85              | -5                 | 16.75     | 0.047   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 21.47                           | -2.85              | -5                 | 16.47     | 0.044   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 20.66                           | -2.85              | -5                 | 15.66     | 0.037   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 20.64                           | -2.85              | -5                 | 15.64     | 0.037   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 20.59                           | -2.85              | -5                 | 15.59     | 0.036   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 20.61                           | -2.85              | -5                 | 15.61     | 0.036   | 7.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.5                            | -2.85              | -5                 | 17.50     | 0.056   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 22.77                           | -2.85              | -5                 | 17.77     | 0.060   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 22.5                            | -2.85              | -5                 | 17.50     | 0.056   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.68                           | -2.85              | -5                 | 16.68     | 0.047   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 21.65                           | -2.85              | -5                 | 16.65     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 21.61                           | -2.85              | -5                 | 16.61     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 21.63                           | -2.85              | -5                 | 16.63     | 0.046   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.82                           | -2.85              | -5                 | 16.82     | 0.048   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 22.11                           | -2.85              | -5                 | 17.11     | 0.051   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 21.86                           | -2.85              | -5                 | 16.86     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 20.67                           | -2.85              | -5                 | 15.67     | 0.037   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 20.67                           | -2.85              | -5                 | 15.67     | 0.037   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 20.65                           | -2.85              | -5                 | 15.65     | 0.037   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 20.64                           | -2.85              | -5                 | 15.64     | 0.037   | 7.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.54                           | -2.85              | -5                 | 17.54     | 0.057   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 22.79                           | -2.85              | -5                 | 17.79     | 0.060   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 22.51                           | -2.85              | -5                 | 17.51     | 0.056   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.63                           | -2.85              | -5                 | 16.63     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 21.62                           | -2.85              | -5                 | 16.62     | 0.046   | 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 BAND19</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                   |              |           | RB25#25               | 21.56                           | -2.85              | -5                 | 16.56     | 0.045   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 21.62                           | -2.85              | -5                 | 16.62     | 0.046   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.53                           | -2.85              | -5                 | 16.53     | 0.045   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 21.8                            | -2.85              | -5                 | 16.80     | 0.048   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 21.53                           | -2.85              | -5                 | 16.53     | 0.045   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 20.71                           | -2.85              | -5                 | 15.71     | 0.037   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 20.69                           | -2.85              | -5                 | 15.69     | 0.037   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 20.64                           | -2.85              | -5                 | 15.64     | 0.037   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 20.63                           | -2.85              | -5                 | 15.63     | 0.037   | 7.000     | Pass    |
|                   |              |           |                       |                                 |                    |                    |           |         |           |         |
| 15 MHz            | MCH          | QPSK      | RB1#0                 | 22.82                           | -2.85              | -5                 | 17.82     | 0.061   | 7.000     | Pass    |
|                   |              |           | RB1#38                | 22.59                           | -2.85              | -5                 | 17.59     | 0.057   | 7.000     | Pass    |
|                   |              |           | RB1#74                | 22.39                           | -2.85              | -5                 | 17.39     | 0.055   | 7.000     | Pass    |
|                   |              |           | RB36#0                | 21.63                           | -2.85              | -5                 | 16.63     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB36#19               | 21.65                           | -2.85              | -5                 | 16.65     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB36#39               | 21.54                           | -2.85              | -5                 | 16.54     | 0.045   | 7.000     | Pass    |
|                   |              |           | RB75#0                | 21.57                           | -2.85              | -5                 | 16.57     | 0.045   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.27                           | -2.85              | -5                 | 16.27     | 0.042   | 7.000     | Pass    |
|                   |              |           | RB1#38                | 21.52                           | -2.85              | -5                 | 16.52     | 0.045   | 7.000     | Pass    |
|                   |              |           | RB1#74                | 21.34                           | -2.85              | -5                 | 16.34     | 0.043   | 7.000     | Pass    |
|                   |              |           | RB36#0                | 20.58                           | -2.85              | -5                 | 15.58     | 0.036   | 7.000     | Pass    |
|                   |              |           | RB36#19               | 20.61                           | -2.85              | -5                 | 15.61     | 0.036   | 7.000     | Pass    |
|                   |              |           | RB36#39               | 20.49                           | -2.85              | -5                 | 15.49     | 0.035   | 7.000     | Pass    |
|                   |              |           | RB75#0                | 20.57                           | -2.85              | -5                 | 15.57     | 0.036   | 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 BAND26 (Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 1.4 MHz                    | LCH          | QPSK      | RB1#0                 | 22.69                           | -2.86              | -5.01              | 17.68     | 0.059   | 7.000     | Pass    |
|                            |              |           | RB1#3                 | 22.86                           | -2.86              | -5.01              | 17.85     | 0.061   | 7.000     | Pass    |
|                            |              |           | RB1#5                 | 22.67                           | -2.86              | -5.01              | 17.66     | 0.058   | 7.000     | Pass    |
|                            |              |           | RB3#0                 | 22.74                           | -2.86              | -5.01              | 17.73     | 0.059   | 7.000     | Pass    |
|                            |              |           | RB3#2                 | 22.74                           | -2.86              | -5.01              | 17.73     | 0.059   | 7.000     | Pass    |
|                            |              |           | RB3#3                 | 22.75                           | -2.86              | -5.01              | 17.74     | 0.059   | 7.000     | Pass    |
|                            |              |           | RB6#0                 | 21.74                           | -2.86              | -5.01              | 16.73     | 0.047   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.73                           | -2.86              | -5.01              | 16.72     | 0.047   | 7.000     | Pass    |
|                            |              |           | RB1#3                 | 21.94                           | -2.86              | -5.01              | 16.93     | 0.049   | 7.000     | Pass    |
|                            |              |           | RB1#5                 | 21.71                           | -2.86              | -5.01              | 16.70     | 0.047   | 7.000     | Pass    |
|                            |              |           | RB3#0                 | 21.67                           | -2.86              | -5.01              | 16.66     | 0.046   | 7.000     | Pass    |
|                            |              |           | RB3#2                 | 21.74                           | -2.86              | -5.01              | 16.73     | 0.047   | 7.000     | Pass    |
|                            |              |           | RB3#3                 | 21.73                           | -2.86              | -5.01              | 16.72     | 0.047   | 7.000     | Pass    |
|                            |              |           | RB6#0                 | 20.88                           | -2.86              | -5.01              | 15.87     | 0.039   | 7.000     | Pass    |
|                            | MCH          | QPSK      | RB1#0                 | 22.82                           | -2.86              | -5.01              | 17.81     | 0.060   | 7.000     | Pass    |
|                            |              |           | RB1#3                 | 23                              | -2.86              | -5.01              | 17.99     | 0.063   | 7.000     | Pass    |
|                            |              |           | RB1#5                 | 22.85                           | -2.86              | -5.01              | 17.84     | 0.061   | 7.000     | Pass    |
|                            |              |           | RB3#0                 | 22.86                           | -2.86              | -5.01              | 17.85     | 0.061   | 7.000     | Pass    |
|                            |              |           | RB3#2                 | 22.9                            | -2.86              | -5.01              | 17.89     | 0.062   | 7.000     | Pass    |
|                            |              |           | RB3#3                 | 22.82                           | -2.86              | -5.01              | 17.81     | 0.060   | 7.000     | Pass    |
|                            |              |           | RB6#0                 | 21.89                           | -2.86              | -5.01              | 16.88     | 0.049   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 22.14                           | -2.86              | -5.01              | 17.13     | 0.052   | 7.000     | Pass    |
|                            |              |           | RB1#3                 | 22.28                           | -2.86              | -5.01              | 17.27     | 0.053   | 7.000     | Pass    |
|                            |              |           | RB1#5                 | 22.11                           | -2.86              | -5.01              | 17.10     | 0.051   | 7.000     | Pass    |
|                            |              |           | RB3#0                 | 21.99                           | -2.86              | -5.01              | 16.98     | 0.050   | 7.000     | Pass    |
|                            |              |           | RB3#2                 | 22.02                           | -2.86              | -5.01              | 17.01     | 0.050   | 7.000     | Pass    |
|                            |              |           | RB3#3                 | 22.01                           | -2.86              | -5.01              | 17.00     | 0.050   | 7.000     | Pass    |
|                            |              |           | RB6#0                 | 20.77                           | -2.86              | -5.01              | 15.76     | 0.038   | 7.000     | Pass    |
|                            | HCH          | QPSK      | RB1#0                 | 22.7                            | -2.86              | -5.01              | 17.69     | 0.059   | 7.000     | Pass    |
|                            |              |           | RB1#3                 | 22.89                           | -2.86              | -5.01              | 17.88     | 0.061   | 7.000     | Pass    |
|                            |              |           | RB1#5                 | 22.69                           | -2.86              | -5.01              | 17.68     | 0.059   | 7.000     | Pass    |
|                            |              |           | RB3#0                 | 22.76                           | -2.86              | -5.01              | 17.75     | 0.060   | 7.000     | Pass    |
|                            |              |           | RB3#2                 | 22.8                            | -2.86              | -5.01              | 17.79     | 0.060   | 7.000     | Pass    |
|                            |              |           | RB3#3                 | 22.77                           | -2.86              | -5.01              | 17.76     | 0.060   | 7.000     | Pass    |
|                            |              |           | RB6#0                 | 21.76                           | -2.86              | -5.01              | 16.75     | 0.047   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.66                           | -2.86              | -5.01              | 16.65     | 0.046   | 7.000     | Pass    |
|                            |              |           | RB1#3                 | 21.82                           | -2.86              | -5.01              | 16.81     | 0.048   | 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 BAND26 (Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 3 MHz                      |              |           | RB1#5                 | 21.66                           | -2.86              | -5.01              | 16.65     | 0.046   | 7.000     | Pass    |
|                            |              |           | RB3#0                 | 21.83                           | -2.86              | -5.01              | 16.82     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB3#2                 | 21.87                           | -2.86              | -5.01              | 16.86     | 0.049   | 7.000     | Pass    |
|                            |              |           | RB3#3                 | 21.86                           | -2.86              | -5.01              | 16.85     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB6#0                 | 20.88                           | -2.86              | -5.01              | 15.87     | 0.039   | 7.000     | Pass    |
|                            | LCH          | QPSK      | RB1#0                 | 22.76                           | -2.86              | -5.01              | 17.75     | 0.060   | 7.000     | Pass    |
|                            |              |           | RB1#7                 | 22.84                           | -2.86              | -5.01              | 17.83     | 0.061   | 7.000     | Pass    |
|                            |              |           | RB1#14                | 22.85                           | -2.86              | -5.01              | 17.84     | 0.061   | 7.000     | Pass    |
|                            |              |           | RB8#0                 | 21.82                           | -2.86              | -5.01              | 16.81     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB8#4                 | 21.85                           | -2.86              | -5.01              | 16.84     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB8#7                 | 21.84                           | -2.86              | -5.01              | 16.83     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB15#0                | 21.78                           | -2.86              | -5.01              | 16.77     | 0.048   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.67                           | -2.86              | -5.01              | 16.66     | 0.046   | 7.000     | Pass    |
|                            |              |           | RB1#7                 | 21.67                           | -2.86              | -5.01              | 16.66     | 0.046   | 7.000     | Pass    |
|                            |              |           | RB1#14                | 21.68                           | -2.86              | -5.01              | 16.67     | 0.046   | 7.000     | Pass    |
|                            |              |           | RB8#0                 | 20.89                           | -2.86              | -5.01              | 15.88     | 0.039   | 7.000     | Pass    |
|                            |              |           | RB8#4                 | 20.92                           | -2.86              | -5.01              | 15.91     | 0.039   | 7.000     | Pass    |
|                            |              |           | RB8#7                 | 20.91                           | -2.86              | -5.01              | 15.90     | 0.039   | 7.000     | Pass    |
|                            |              |           | RB15#0                | 20.83                           | -2.86              | -5.01              | 15.82     | 0.038   | 7.000     | Pass    |
|                            | MCH          | QPSK      | RB1#0                 | 22.92                           | -2.86              | -5.01              | 17.91     | 0.062   | 7.000     | Pass    |
|                            |              |           | RB1#7                 | 22.98                           | -2.86              | -5.01              | 17.97     | 0.063   | 7.000     | Pass    |
|                            |              |           | RB1#14                | 22.89                           | -2.86              | -5.01              | 17.88     | 0.061   | 7.000     | Pass    |
|                            |              |           | RB8#0                 | 21.94                           | -2.86              | -5.01              | 16.93     | 0.049   | 7.000     | Pass    |
|                            |              |           | RB8#4                 | 21.99                           | -2.86              | -5.01              | 16.98     | 0.050   | 7.000     | Pass    |
|                            |              |           | RB8#7                 | 21.96                           | -2.86              | -5.01              | 16.95     | 0.050   | 7.000     | Pass    |
|                            |              |           | RB15#0                | 21.92                           | -2.86              | -5.01              | 16.91     | 0.049   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 22.21                           | -2.86              | -5.01              | 17.20     | 0.052   | 7.000     | Pass    |
|                            |              |           | RB1#7                 | 22.27                           | -2.86              | -5.01              | 17.26     | 0.053   | 7.000     | Pass    |
|                            |              |           | RB1#14                | 22.22                           | -2.86              | -5.01              | 17.21     | 0.053   | 7.000     | Pass    |
|                            |              |           | RB8#0                 | 21.03                           | -2.86              | -5.01              | 16.02     | 0.040   | 7.000     | Pass    |
|                            |              |           | RB8#4                 | 21.03                           | -2.86              | -5.01              | 16.02     | 0.040   | 7.000     | Pass    |
|                            |              |           | RB8#7                 | 20.94                           | -2.86              | -5.01              | 15.93     | 0.039   | 7.000     | Pass    |
|                            |              |           | RB15#0                | 20.93                           | -2.86              | -5.01              | 15.92     | 0.039   | 7.000     | Pass    |
|                            | HCH          | QPSK      | RB1#0                 | 22.89                           | -2.86              | -5.01              | 17.88     | 0.061   | 7.000     | Pass    |
|                            |              |           | RB1#7                 | 22.85                           | -2.86              | -5.01              | 17.84     | 0.061   | 7.000     | Pass    |
|                            |              |           | RB1#14                | 22.84                           | -2.86              | -5.01              | 17.83     | 0.061   | 7.000     | Pass    |
|                            |              |           | RB8#0                 | 21.84                           | -2.86              | -5.01              | 16.83     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB8#4                 | 21.89                           | -2.86              | -5.01              | 16.88     | 0.049   | 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 BAND26 (Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 5 MHz                      |              |           | RB8#7                 | 21.8                            | -2.86              | -5.01              | 16.79     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB15#0                | 21.81                           | -2.86              | -5.01              | 16.80     | 0.048   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.81                           | -2.86              | -5.01              | 16.80     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB1#7                 | 21.76                           | -2.86              | -5.01              | 16.75     | 0.047   | 7.000     | Pass    |
|                            |              |           | RB1#14                | 21.73                           | -2.86              | -5.01              | 16.72     | 0.047   | 7.000     | Pass    |
|                            |              |           | RB8#0                 | 20.86                           | -2.86              | -5.01              | 15.85     | 0.038   | 7.000     | Pass    |
|                            |              |           | RB8#4                 | 20.87                           | -2.86              | -5.01              | 15.86     | 0.039   | 7.000     | Pass    |
|                            |              |           | RB8#7                 | 20.81                           | -2.86              | -5.01              | 15.80     | 0.038   | 7.000     | Pass    |
|                            |              |           | RB15#0                | 20.76                           | -2.86              | -5.01              | 15.75     | 0.038   | 7.000     | Pass    |
|                            | LCH          | QPSK      | RB1#0                 | 22.62                           | -2.86              | -5.01              | 17.61     | 0.058   | 7.000     | Pass    |
|                            |              |           | RB1#13                | 22.8                            | -2.86              | -5.01              | 17.79     | 0.060   | 7.000     | Pass    |
|                            |              |           | RB1#24                | 22.69                           | -2.86              | -5.01              | 17.68     | 0.059   | 7.000     | Pass    |
|                            |              |           | RB12#0                | 21.67                           | -2.86              | -5.01              | 16.66     | 0.046   | 7.000     | Pass    |
|                            |              |           | RB12#6                | 21.82                           | -2.86              | -5.01              | 16.81     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB12#13               | 21.73                           | -2.86              | -5.01              | 16.72     | 0.047   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 21.69                           | -2.86              | -5.01              | 16.68     | 0.047   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.78                           | -2.86              | -5.01              | 16.77     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB1#13                | 21.92                           | -2.86              | -5.01              | 16.91     | 0.049   | 7.000     | Pass    |
|                            |              |           | RB1#24                | 21.82                           | -2.86              | -5.01              | 16.81     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB12#0                | 20.73                           | -2.86              | -5.01              | 15.72     | 0.037   | 7.000     | Pass    |
|                            |              |           | RB12#6                | 20.85                           | -2.86              | -5.01              | 15.84     | 0.038   | 7.000     | Pass    |
|                            |              |           | RB12#13               | 20.77                           | -2.86              | -5.01              | 15.76     | 0.038   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 20.7                            | -2.86              | -5.01              | 15.69     | 0.037   | 7.000     | Pass    |
|                            | MCH          | QPSK      | RB1#0                 | 22.76                           | -2.86              | -5.01              | 17.75     | 0.060   | 7.000     | Pass    |
|                            |              |           | RB1#13                | 22.88                           | -2.86              | -5.01              | 17.87     | 0.061   | 7.000     | Pass    |
|                            |              |           | RB1#24                | 22.72                           | -2.86              | -5.01              | 17.71     | 0.059   | 7.000     | Pass    |
|                            |              |           | RB12#0                | 21.83                           | -2.86              | -5.01              | 16.82     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB12#6                | 21.9                            | -2.86              | -5.01              | 16.89     | 0.049   | 7.000     | Pass    |
|                            |              |           | RB12#13               | 21.82                           | -2.86              | -5.01              | 16.81     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 21.81                           | -2.86              | -5.01              | 16.80     | 0.048   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 22.2                            | -2.86              | -5.01              | 17.19     | 0.052   | 7.000     | Pass    |
|                            |              |           | RB1#13                | 22.34                           | -2.86              | -5.01              | 17.33     | 0.054   | 7.000     | Pass    |
|                            |              |           | RB1#24                | 22.17                           | -2.86              | -5.01              | 17.16     | 0.052   | 7.000     | Pass    |
|                            |              |           | RB12#0                | 20.91                           | -2.86              | -5.01              | 15.90     | 0.039   | 7.000     | Pass    |
|                            |              |           | RB12#6                | 20.98                           | -2.86              | -5.01              | 15.97     | 0.040   | 7.000     | Pass    |
|                            |              |           | RB12#13               | 20.89                           | -2.86              | -5.01              | 15.88     | 0.039   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 20.9                            | -2.86              | -5.01              | 15.89     | 0.039   | 7.000     | Pass    |
|                            | HCH          | QPSK      | RB1#0                 | 22.64                           | -2.86              | -5.01              | 17.63     | 0.058   | 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 BAND26 (Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                            |              |           | RB1#13                | 22.82                           | -2.86              | -5.01              | 17.81     | 0.060   | 7.000     | Pass    |
|                            |              |           | RB1#24                | 22.62                           | -2.86              | -5.01              | 17.61     | 0.058   | 7.000     | Pass    |
|                            |              |           | RB12#0                | 21.76                           | -2.86              | -5.01              | 16.75     | 0.047   | 7.000     | Pass    |
|                            |              |           | RB12#6                | 21.81                           | -2.86              | -5.01              | 16.80     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB12#13               | 21.67                           | -2.86              | -5.01              | 16.66     | 0.046   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 21.69                           | -2.86              | -5.01              | 16.68     | 0.047   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.73                           | -2.86              | -5.01              | 16.72     | 0.047   | 7.000     | Pass    |
|                            |              |           | RB1#13                | 21.84                           | -2.86              | -5.01              | 16.83     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB1#24                | 21.7                            | -2.86              | -5.01              | 16.69     | 0.047   | 7.000     | Pass    |
|                            |              |           | RB12#0                | 20.79                           | -2.86              | -5.01              | 15.78     | 0.038   | 7.000     | Pass    |
|                            |              |           | RB12#6                | 20.8                            | -2.86              | -5.01              | 15.79     | 0.038   | 7.000     | Pass    |
|                            |              |           | RB12#13               | 20.66                           | -2.86              | -5.01              | 15.65     | 0.037   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 20.67                           | -2.86              | -5.01              | 15.66     | 0.037   | 7.000     | Pass    |
|                            |              |           |                       |                                 |                    |                    |           |         |           |         |
| 10 MHz                     | LCH          | QPSK      | RB1#0                 | 22.61                           | -2.86              | -5.01              | 17.60     | 0.058   | 7.000     | Pass    |
|                            |              |           | RB1#25                | 23.03                           | -2.86              | -5.01              | 18.02     | 0.063   | 7.000     | Pass    |
|                            |              |           | RB1#49                | 22.75                           | -2.86              | -5.01              | 17.74     | 0.059   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 21.76                           | -2.86              | -5.01              | 16.75     | 0.047   | 7.000     | Pass    |
|                            |              |           | RB25#13               | 21.79                           | -2.86              | -5.01              | 16.78     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB25#25               | 21.77                           | -2.86              | -5.01              | 16.76     | 0.047   | 7.000     | Pass    |
|                            |              |           | RB50#0                | 21.76                           | -2.86              | -5.01              | 16.75     | 0.047   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.53                           | -2.86              | -5.01              | 16.52     | 0.045   | 7.000     | Pass    |
|                            |              |           | RB1#25                | 21.83                           | -2.86              | -5.01              | 16.82     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB1#49                | 21.58                           | -2.86              | -5.01              | 16.57     | 0.045   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 20.8                            | -2.86              | -5.01              | 15.79     | 0.038   | 7.000     | Pass    |
|                            |              |           | RB25#13               | 20.79                           | -2.86              | -5.01              | 15.78     | 0.038   | 7.000     | Pass    |
|                            |              |           | RB25#25               | 20.75                           | -2.86              | -5.01              | 15.74     | 0.037   | 7.000     | Pass    |
|                            |              |           | RB50#0                | 20.76                           | -2.86              | -5.01              | 15.75     | 0.038   | 7.000     | Pass    |
|                            | MCH          | QPSK      | RB1#0                 | 22.79                           | -2.86              | -5.01              | 17.78     | 0.060   | 7.000     | Pass    |
|                            |              |           | RB1#25                | 23.06                           | -2.86              | -5.01              | 18.05     | 0.064   | 7.000     | Pass    |
|                            |              |           | RB1#49                | 22.69                           | -2.86              | -5.01              | 17.68     | 0.059   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 21.89                           | -2.86              | -5.01              | 16.88     | 0.049   | 7.000     | Pass    |
|                            |              |           | RB25#13               | 21.89                           | -2.86              | -5.01              | 16.88     | 0.049   | 7.000     | Pass    |
|                            |              |           | RB25#25               | 21.83                           | -2.86              | -5.01              | 16.82     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB50#0                | 21.86                           | -2.86              | -5.01              | 16.85     | 0.048   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 22.02                           | -2.86              | -5.01              | 17.01     | 0.050   | 7.000     | Pass    |
|                            |              |           | RB1#25                | 22.36                           | -2.86              | -5.01              | 17.35     | 0.054   | 7.000     | Pass    |
|                            |              |           | RB1#49                | 22.01                           | -2.86              | -5.01              | 17.00     | 0.050   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 20.9                            | -2.86              | -5.01              | 15.89     | 0.039   | 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 BAND26 (Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                            | HCH          |           | RB25#13               | 20.91                           | -2.86              | -5.01              | 15.90     | 0.039   | 7.000     | Pass    |
|                            |              |           | RB25#25               | 20.86                           | -2.86              | -5.01              | 15.85     | 0.038   | 7.000     | Pass    |
|                            |              |           | RB50#0                | 20.9                            | -2.86              | -5.01              | 15.89     | 0.039   | 7.000     | Pass    |
|                            |              | QPSK      | RB1#0                 | 22.8                            | -2.86              | -5.01              | 17.79     | 0.060   | 7.000     | Pass    |
|                            |              |           | RB1#25                | 22.98                           | -2.86              | -5.01              | 17.97     | 0.063   | 7.000     | Pass    |
|                            |              |           | RB1#49                | 22.64                           | -2.86              | -5.01              | 17.63     | 0.058   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 21.88                           | -2.86              | -5.01              | 16.87     | 0.049   | 7.000     | Pass    |
|                            |              |           | RB25#13               | 21.83                           | -2.86              | -5.01              | 16.82     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB25#25               | 21.69                           | -2.86              | -5.01              | 16.68     | 0.047   | 7.000     | Pass    |
|                            |              |           | RB50#0                | 21.76                           | -2.86              | -5.01              | 16.75     | 0.047   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.69                           | -2.86              | -5.01              | 16.68     | 0.047   | 7.000     | Pass    |
|                            |              |           | RB1#25                | 21.92                           | -2.86              | -5.01              | 16.91     | 0.049   | 7.000     | Pass    |
|                            |              |           | RB1#49                | 21.56                           | -2.86              | -5.01              | 16.55     | 0.045   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 20.93                           | -2.86              | -5.01              | 15.92     | 0.039   | 7.000     | Pass    |
|                            |              |           | RB25#13               | 20.91                           | -2.86              | -5.01              | 15.90     | 0.039   | 7.000     | Pass    |
|                            |              |           | RB25#25               | 20.74                           | -2.86              | -5.01              | 15.73     | 0.037   | 7.000     | Pass    |
|                            |              |           | RB50#0                | 20.83                           | -2.86              | -5.01              | 15.82     | 0.038   | 7.000     | Pass    |
| 15 MHz                     | LCH          | QPSK      | RB1#0                 | 22.49                           | -2.86              | -5.01              | 17.48     | 0.056   | 7.000     | Pass    |
|                            |              |           | RB1#38                | 22.86                           | -2.86              | -5.01              | 17.85     | 0.061   | 7.000     | Pass    |
|                            |              |           | RB1#74                | 22.53                           | -2.86              | -5.01              | 17.52     | 0.056   | 7.000     | Pass    |
|                            |              |           | RB36#0                | 21.76                           | -2.86              | -5.01              | 16.75     | 0.047   | 7.000     | Pass    |
|                            |              |           | RB36#19               | 21.9                            | -2.86              | -5.01              | 16.89     | 0.049   | 7.000     | Pass    |
|                            |              |           | RB36#39               | 21.78                           | -2.86              | -5.01              | 16.77     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB75#0                | 21.82                           | -2.86              | -5.01              | 16.81     | 0.048   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.39                           | -2.86              | -5.01              | 16.38     | 0.043   | 7.000     | Pass    |
|                            |              |           | RB1#38                | 21.69                           | -2.86              | -5.01              | 16.68     | 0.047   | 7.000     | Pass    |
|                            |              |           | RB1#74                | 21.42                           | -2.86              | -5.01              | 16.41     | 0.044   | 7.000     | Pass    |
|                            |              |           | RB36#0                | 20.71                           | -2.86              | -5.01              | 15.70     | 0.037   | 7.000     | Pass    |
|                            |              |           | RB36#19               | 20.82                           | -2.86              | -5.01              | 15.81     | 0.038   | 7.000     | Pass    |
|                            |              |           | RB36#39               | 20.68                           | -2.86              | -5.01              | 15.67     | 0.037   | 7.000     | Pass    |
|                            |              |           | RB75#0                | 20.75                           | -2.86              | -5.01              | 15.74     | 0.037   | 7.000     | Pass    |
|                            | MCH          | QPSK      | RB1#0                 | 22.61                           | -2.86              | -5.01              | 17.60     | 0.058   | 7.000     | Pass    |
|                            |              |           | RB1#38                | 22.86                           | -2.86              | -5.01              | 17.85     | 0.061   | 7.000     | Pass    |
|                            |              |           | RB1#74                | 22.48                           | -2.86              | -5.01              | 17.47     | 0.056   | 7.000     | Pass    |
|                            |              |           | RB36#0                | 21.86                           | -2.86              | -5.01              | 16.85     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB36#19               | 21.89                           | -2.86              | -5.01              | 16.88     | 0.049   | 7.000     | Pass    |
|                            |              |           | RB36#39               | 21.75                           | -2.86              | -5.01              | 16.74     | 0.047   | 7.000     | Pass    |
|                            |              |           | RB75#0                | 21.84                           | -2.86              | -5.01              | 16.83     | 0.048   | 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 BAND26 (Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                            |              | 16-QAM    | RB1#0                 | 21.89                           | -2.86              | -5.01              | 16.88     | 0.049   | 7.000     | Pass    |
|                            |              |           | RB1#38                | 22.17                           | -2.86              | -5.01              | 17.16     | 0.052   | 7.000     | Pass    |
|                            |              |           | RB1#74                | 21.81                           | -2.86              | -5.01              | 16.80     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB36#0                | 20.85                           | -2.86              | -5.01              | 15.84     | 0.038   | 7.000     | Pass    |
|                            |              |           | RB36#19               | 20.86                           | -2.86              | -5.01              | 15.85     | 0.038   | 7.000     | Pass    |
|                            |              |           | RB36#39               | 20.76                           | -2.86              | -5.01              | 15.75     | 0.038   | 7.000     | Pass    |
|                            |              |           | RB75#0                | 20.8                            | -2.86              | -5.01              | 15.79     | 0.038   | 7.000     | Pass    |
|                            | HCH          | QPSK      | RB1#0                 | 22.69                           | -2.86              | -5.01              | 17.68     | 0.059   | 7.000     | Pass    |
|                            |              |           | RB1#38                | 22.8                            | -2.86              | -5.01              | 17.79     | 0.060   | 7.000     | Pass    |
|                            |              |           | RB1#74                | 22.45                           | -2.86              | -5.01              | 17.44     | 0.055   | 7.000     | Pass    |
|                            |              |           | RB36#0                | 21.82                           | -2.86              | -5.01              | 16.81     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB36#19               | 21.85                           | -2.86              | -5.01              | 16.84     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB36#39               | 21.66                           | -2.86              | -5.01              | 16.65     | 0.046   | 7.000     | Pass    |
|                            |              |           | RB75#0                | 21.77                           | -2.86              | -5.01              | 16.76     | 0.047   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.97                           | -2.86              | -5.01              | 16.96     | 0.050   | 7.000     | Pass    |
|                            |              |           | RB1#38                | 22.11                           | -2.86              | -5.01              | 17.10     | 0.051   | 7.000     | Pass    |
|                            |              |           | RB1#74                | 21.78                           | -2.86              | -5.01              | 16.77     | 0.048   | 7.000     | Pass    |
|                            |              |           | RB36#0                | 20.74                           | -2.86              | -5.01              | 15.73     | 0.037   | 7.000     | Pass    |
|                            |              |           | RB36#19               | 20.75                           | -2.86              | -5.01              | 15.74     | 0.037   | 7.000     | Pass    |
|                            |              |           | RB36#39               | 20.61                           | -2.86              | -5.01              | 15.60     | 0.036   | 7.000     | Pass    |
|                            |              |           | RB75#0                | 20.71                           | -2.86              | -5.01              | 15.70     | 0.037   | 7.000     | Pass    |

| Test BW                    | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|----------------------------|--------------|-----------|-----------------------|------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND26 (Part90)</b> |              |           |                       |                              |                    |                    |           |         |           |         |
| 1.4 MHz                    | LCH          | QPSK      | RB1#0                 | 22.6                         | -2.86              | -5.01              | 17.59     | 0.057   | 100.000   | Pass    |
|                            |              |           | RB1#3                 | 22.77                        | -2.86              | -5.01              | 17.76     | 0.060   | 100.000   | Pass    |
|                            |              |           | RB1#5                 | 22.58                        | -2.86              | -5.01              | 17.57     | 0.057   | 100.000   | Pass    |
|                            |              |           | RB3#0                 | 22.63                        | -2.86              | -5.01              | 17.62     | 0.058   | 100.000   | Pass    |
|                            |              |           | RB3#2                 | 22.66                        | -2.86              | -5.01              | 17.65     | 0.058   | 100.000   | Pass    |
|                            |              |           | RB3#3                 | 22.6                         | -2.86              | -5.01              | 17.59     | 0.057   | 100.000   | Pass    |
|                            |              |           | RB6#0                 | 21.66                        | -2.86              | -5.01              | 16.65     | 0.046   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.59                        | -2.86              | -5.01              | 16.58     | 0.045   | 100.000   | Pass    |
|                            |              |           | RB1#3                 | 21.78                        | -2.86              | -5.01              | 16.77     | 0.048   | 100.000   | Pass    |
|                            |              |           | RB1#5                 | 21.58                        | -2.86              | -5.01              | 16.57     | 0.045   | 100.000   | Pass    |
|                            |              |           | RB3#0                 | 21.62                        | -2.86              | -5.01              | 16.61     | 0.046   | 100.000   | Pass    |
|                            |              |           | RB3#2                 | 21.59                        | -2.86              | -5.01              | 16.58     | 0.045   | 100.000   | Pass    |
|                            |              |           | RB3#3                 | 21.54                        | -2.86              | -5.01              | 16.53     | 0.045   | 100.000   | Pass    |
|                            |              |           | RB6#0                 | 20.75                        | -2.86              | -5.01              | 15.74     | 0.037   | 100.000   | Pass    |
|                            | MCH          | QPSK      | RB1#0                 | 22.66                        | -2.86              | -5.01              | 17.65     | 0.058   | 100.000   | Pass    |
|                            |              |           | RB1#3                 | 22.79                        | -2.86              | -5.01              | 17.78     | 0.060   | 100.000   | Pass    |
|                            |              |           | RB1#5                 | 22.66                        | -2.86              | -5.01              | 17.65     | 0.058   | 100.000   | Pass    |
|                            |              |           | RB3#0                 | 22.69                        | -2.86              | -5.01              | 17.68     | 0.059   | 100.000   | Pass    |
|                            |              |           | RB3#2                 | 22.75                        | -2.86              | -5.01              | 17.74     | 0.059   | 100.000   | Pass    |
|                            |              |           | RB3#3                 | 22.7                         | -2.86              | -5.01              | 17.69     | 0.059   | 100.000   | Pass    |
|                            |              |           | RB6#0                 | 21.74                        | -2.86              | -5.01              | 16.73     | 0.047   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.93                        | -2.86              | -5.01              | 16.92     | 0.049   | 100.000   | Pass    |
|                            |              |           | RB1#3                 | 22.08                        | -2.86              | -5.01              | 17.07     | 0.051   | 100.000   | Pass    |
|                            |              |           | RB1#5                 | 21.9                         | -2.86              | -5.01              | 16.89     | 0.049   | 100.000   | Pass    |
|                            |              |           | RB3#0                 | 21.78                        | -2.86              | -5.01              | 16.77     | 0.048   | 100.000   | Pass    |
|                            |              |           | RB3#2                 | 21.79                        | -2.86              | -5.01              | 16.78     | 0.048   | 100.000   | Pass    |
|                            |              |           | RB3#3                 | 21.81                        | -2.86              | -5.01              | 16.80     | 0.048   | 100.000   | Pass    |
|                            |              |           | RB6#0                 | 20.58                        | -2.86              | -5.01              | 15.57     | 0.036   | 100.000   | Pass    |
|                            | HCH          | QPSK      | RB1#0                 | 22.69                        | -2.86              | -5.01              | 17.68     | 0.059   | 100.000   | Pass    |
|                            |              |           | RB1#3                 | 22.9                         | -2.86              | -5.01              | 17.89     | 0.062   | 100.000   | Pass    |
|                            |              |           | RB1#5                 | 22.69                        | -2.86              | -5.01              | 17.68     | 0.059   | 100.000   | Pass    |
|                            |              |           | RB3#0                 | 22.79                        | -2.86              | -5.01              | 17.78     | 0.060   | 100.000   | Pass    |
|                            |              |           | RB3#2                 | 22.79                        | -2.86              | -5.01              | 17.78     | 0.060   | 100.000   | Pass    |
|                            |              |           | RB3#3                 | 22.76                        | -2.86              | -5.01              | 17.75     | 0.060   | 100.000   | Pass    |
|                            |              |           | RB6#0                 | 21.7                         | -2.86              | -5.01              | 16.69     | 0.047   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.65                        | -2.86              | -5.01              | 16.64     | 0.046   | 100.000   | Pass    |
|                            |              |           | RB1#3                 | 21.81                        | -2.86              | -5.01              | 16.80     | 0.048   | 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 BAND26 (Part90)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 3 MHz                      |              |           | RB1#5                 | 21.68                           | -2.86              | -5.01              | 16.67     | 0.046   | 100.000   | Pass    |
|                            |              |           | RB3#0                 | 21.83                           | -2.86              | -5.01              | 16.82     | 0.048   | 100.000   | Pass    |
|                            |              |           | RB3#2                 | 21.87                           | -2.86              | -5.01              | 16.86     | 0.049   | 100.000   | Pass    |
|                            |              |           | RB3#3                 | 21.86                           | -2.86              | -5.01              | 16.85     | 0.048   | 100.000   | Pass    |
|                            |              |           | RB6#0                 | 20.87                           | -2.86              | -5.01              | 15.86     | 0.039   | 100.000   | Pass    |
|                            | LCH          | QPSK      | RB1#0                 | 22.74                           | -2.86              | -5.01              | 17.73     | 0.059   | 100.000   | Pass    |
|                            |              |           | RB1#7                 | 22.74                           | -2.86              | -5.01              | 17.73     | 0.059   | 100.000   | Pass    |
|                            |              |           | RB1#14                | 22.71                           | -2.86              | -5.01              | 17.70     | 0.059   | 100.000   | Pass    |
|                            |              |           | RB8#0                 | 21.71                           | -2.86              | -5.01              | 16.70     | 0.047   | 100.000   | Pass    |
|                            |              |           | RB8#4                 | 21.76                           | -2.86              | -5.01              | 16.75     | 0.047   | 100.000   | Pass    |
|                            |              |           | RB8#7                 | 21.75                           | -2.86              | -5.01              | 16.74     | 0.047   | 100.000   | Pass    |
|                            |              |           | RB15#0                | 21.66                           | -2.86              | -5.01              | 16.65     | 0.046   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.56                           | -2.86              | -5.01              | 16.55     | 0.045   | 100.000   | Pass    |
|                            |              |           | RB1#7                 | 21.51                           | -2.86              | -5.01              | 16.50     | 0.045   | 100.000   | Pass    |
|                            |              |           | RB1#14                | 21.48                           | -2.86              | -5.01              | 16.47     | 0.044   | 100.000   | Pass    |
|                            |              |           | RB8#0                 | 20.76                           | -2.86              | -5.01              | 15.75     | 0.038   | 100.000   | Pass    |
|                            |              |           | RB8#4                 | 20.8                            | -2.86              | -5.01              | 15.79     | 0.038   | 100.000   | Pass    |
|                            |              |           | RB8#7                 | 20.74                           | -2.86              | -5.01              | 15.73     | 0.037   | 100.000   | Pass    |
|                            |              |           | RB15#0                | 20.63                           | -2.86              | -5.01              | 15.62     | 0.036   | 100.000   | Pass    |
|                            | MCH          | QPSK      | RB1#0                 | 22.77                           | -2.86              | -5.01              | 17.76     | 0.060   | 100.000   | Pass    |
|                            |              |           | RB1#7                 | 22.8                            | -2.86              | -5.01              | 17.79     | 0.060   | 100.000   | Pass    |
|                            |              |           | RB1#14                | 22.75                           | -2.86              | -5.01              | 17.74     | 0.059   | 100.000   | Pass    |
|                            |              |           | RB8#0                 | 21.78                           | -2.86              | -5.01              | 16.77     | 0.048   | 100.000   | Pass    |
|                            |              |           | RB8#4                 | 21.81                           | -2.86              | -5.01              | 16.80     | 0.048   | 100.000   | Pass    |
|                            |              |           | RB8#7                 | 21.8                            | -2.86              | -5.01              | 16.79     | 0.048   | 100.000   | Pass    |
|                            |              |           | RB15#0                | 21.73                           | -2.86              | -5.01              | 16.72     | 0.047   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.99                           | -2.86              | -5.01              | 16.98     | 0.050   | 100.000   | Pass    |
|                            |              |           | RB1#7                 | 22.04                           | -2.86              | -5.01              | 17.03     | 0.050   | 100.000   | Pass    |
|                            |              |           | RB1#14                | 22.08                           | -2.86              | -5.01              | 17.07     | 0.051   | 100.000   | Pass    |
|                            |              |           | RB8#0                 | 20.75                           | -2.86              | -5.01              | 15.74     | 0.037   | 100.000   | Pass    |
|                            |              |           | RB8#4                 | 20.85                           | -2.86              | -5.01              | 15.84     | 0.038   | 100.000   | Pass    |
|                            |              |           | RB8#7                 | 20.8                            | -2.86              | -5.01              | 15.79     | 0.038   | 100.000   | Pass    |
|                            |              |           | RB15#0                | 20.73                           | -2.86              | -5.01              | 15.72     | 0.037   | 100.000   | Pass    |
|                            | HCH          | QPSK      | RB1#0                 | 22.77                           | -2.86              | -5.01              | 17.76     | 0.060   | 100.000   | Pass    |
|                            |              |           | RB1#7                 | 22.82                           | -2.86              | -5.01              | 17.81     | 0.060   | 100.000   | Pass    |
|                            |              |           | RB1#14                | 22.84                           | -2.86              | -5.01              | 17.83     | 0.061   | 100.000   | Pass    |
|                            |              |           | RB8#0                 | 21.73                           | -2.86              | -5.01              | 16.72     | 0.047   | 100.000   | Pass    |
|                            |              |           | RB8#4                 | 21.8                            | -2.86              | -5.01              | 16.79     | 0.048   | 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 BAND26 (Part90)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                            |              |           | RB8#7                 | 21.77                           | -2.86              | -5.01              | 16.76     | 0.047   | 100.000   | Pass    |
|                            |              |           | RB15#0                | 21.77                           | -2.86              | -5.01              | 16.76     | 0.047   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.76                           | -2.86              | -5.01              | 16.75     | 0.047   | 100.000   | Pass    |
|                            |              |           | RB1#7                 | 21.8                            | -2.86              | -5.01              | 16.79     | 0.048   | 100.000   | Pass    |
|                            |              |           | RB1#14                | 21.75                           | -2.86              | -5.01              | 16.74     | 0.047   | 100.000   | Pass    |
|                            |              |           | RB8#0                 | 20.78                           | -2.86              | -5.01              | 15.77     | 0.038   | 100.000   | Pass    |
|                            |              |           | RB8#4                 | 20.81                           | -2.86              | -5.01              | 15.80     | 0.038   | 100.000   | Pass    |
|                            |              |           | RB8#7                 | 20.82                           | -2.86              | -5.01              | 15.81     | 0.038   | 100.000   | Pass    |
|                            |              |           | RB15#0                | 20.72                           | -2.86              | -5.01              | 15.71     | 0.037   | 100.000   | Pass    |
| 5 MHz                      | LCH          | QPSK      | RB1#0                 | 22.52                           | -2.86              | -5.01              | 17.51     | 0.056   | 100.000   | Pass    |
|                            |              |           | RB1#13                | 22.67                           | -2.86              | -5.01              | 17.66     | 0.058   | 100.000   | Pass    |
|                            |              |           | RB1#24                | 22.56                           | -2.86              | -5.01              | 17.55     | 0.057   | 100.000   | Pass    |
|                            |              |           | RB12#0                | 21.55                           | -2.86              | -5.01              | 16.54     | 0.045   | 100.000   | Pass    |
|                            |              |           | RB12#6                | 21.67                           | -2.86              | -5.01              | 16.66     | 0.046   | 100.000   | Pass    |
|                            |              |           | RB12#13               | 21.57                           | -2.86              | -5.01              | 16.56     | 0.045   | 100.000   | Pass    |
|                            |              |           | RB25#0                | 21.56                           | -2.86              | -5.01              | 16.55     | 0.045   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.61                           | -2.86              | -5.01              | 16.60     | 0.046   | 100.000   | Pass    |
|                            |              |           | RB1#13                | 21.72                           | -2.86              | -5.01              | 16.71     | 0.047   | 100.000   | Pass    |
|                            |              |           | RB1#24                | 21.63                           | -2.86              | -5.01              | 16.62     | 0.046   | 100.000   | Pass    |
|                            |              |           | RB12#0                | 20.56                           | -2.86              | -5.01              | 15.55     | 0.036   | 100.000   | Pass    |
|                            |              |           | RB12#6                | 20.65                           | -2.86              | -5.01              | 15.64     | 0.037   | 100.000   | Pass    |
|                            |              |           | RB12#13               | 20.62                           | -2.86              | -5.01              | 15.61     | 0.036   | 100.000   | Pass    |
|                            |              |           | RB25#0                | 20.55                           | -2.86              | -5.01              | 15.54     | 0.036   | 100.000   | Pass    |
|                            | MCH          | QPSK      | RB1#0                 | 22.57                           | -2.86              | -5.01              | 17.56     | 0.057   | 100.000   | Pass    |
|                            |              |           | RB1#13                | 22.74                           | -2.86              | -5.01              | 17.73     | 0.059   | 100.000   | Pass    |
|                            |              |           | RB1#24                | 22.59                           | -2.86              | -5.01              | 17.58     | 0.057   | 100.000   | Pass    |
|                            |              |           | RB12#0                | 21.58                           | -2.86              | -5.01              | 16.57     | 0.045   | 100.000   | Pass    |
|                            |              |           | RB12#6                | 21.72                           | -2.86              | -5.01              | 16.71     | 0.047   | 100.000   | Pass    |
|                            |              |           | RB12#13               | 21.66                           | -2.86              | -5.01              | 16.65     | 0.046   | 100.000   | Pass    |
|                            |              |           | RB25#0                | 21.6                            | -2.86              | -5.01              | 16.59     | 0.046   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.93                           | -2.86              | -5.01              | 16.92     | 0.049   | 100.000   | Pass    |
|                            |              |           | RB1#13                | 22.14                           | -2.86              | -5.01              | 17.13     | 0.052   | 100.000   | Pass    |
|                            |              |           | RB1#24                | 22.01                           | -2.86              | -5.01              | 17.00     | 0.050   | 100.000   | Pass    |
|                            |              |           | RB12#0                | 20.63                           | -2.86              | -5.01              | 15.62     | 0.036   | 100.000   | Pass    |
|                            |              |           | RB12#6                | 20.8                            | -2.86              | -5.01              | 15.79     | 0.038   | 100.000   | Pass    |
|                            |              |           | RB12#13               | 20.74                           | -2.86              | -5.01              | 15.73     | 0.037   | 100.000   | Pass    |
|                            |              |           | RB25#0                | 20.67                           | -2.86              | -5.01              | 15.66     | 0.037   | 100.000   | Pass    |
|                            | HCH          | QPSK      | RB1#0                 | 22.59                           | -2.86              | -5.01              | 17.58     | 0.057   | 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 BAND26 (Part90)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                            |              |           | RB1#13                | 22.69                           | -2.86              | -5.01              | 17.68     | 0.059   | 100.000   | Pass    |
|                            |              |           | RB1#24                | 22.62                           | -2.86              | -5.01              | 17.61     | 0.058   | 100.000   | Pass    |
|                            |              |           | RB12#0                | 21.64                           | -2.86              | -5.01              | 16.63     | 0.046   | 100.000   | Pass    |
|                            |              |           | RB12#6                | 21.73                           | -2.86              | -5.01              | 16.72     | 0.047   | 100.000   | Pass    |
|                            |              |           | RB12#13               | 21.67                           | -2.86              | -5.01              | 16.66     | 0.046   | 100.000   | Pass    |
|                            |              |           | RB25#0                | 21.66                           | -2.86              | -5.01              | 16.65     | 0.046   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.62                           | -2.86              | -5.01              | 16.61     | 0.046   | 100.000   | Pass    |
|                            |              |           | RB1#13                | 21.76                           | -2.86              | -5.01              | 16.75     | 0.047   | 100.000   | Pass    |
|                            |              |           | RB1#24                | 21.75                           | -2.86              | -5.01              | 16.74     | 0.047   | 100.000   | Pass    |
|                            |              |           | RB12#0                | 20.64                           | -2.86              | -5.01              | 15.63     | 0.037   | 100.000   | Pass    |
|                            |              |           | RB12#6                | 20.76                           | -2.86              | -5.01              | 15.75     | 0.038   | 100.000   | Pass    |
|                            |              |           | RB12#13               | 20.69                           | -2.86              | -5.01              | 15.68     | 0.037   | 100.000   | Pass    |
|                            |              |           | RB25#0                | 20.6                            | -2.86              | -5.01              | 15.59     | 0.036   | 100.000   | Pass    |
|                            |              |           |                       |                                 |                    |                    |           |         |           |         |
| 10 MHz                     | MCH          | QPSK      | RB1#0                 | 22.62                           | -2.86              | -5.01              | 17.61     | 0.058   | 100.000   | Pass    |
|                            |              |           | RB1#25                | 22.93                           | -2.86              | -5.01              | 17.92     | 0.062   | 100.000   | Pass    |
|                            |              |           | RB1#49                | 22.57                           | -2.86              | -5.01              | 17.56     | 0.057   | 100.000   | Pass    |
|                            |              |           | RB25#0                | 21.63                           | -2.86              | -5.01              | 16.62     | 0.046   | 100.000   | Pass    |
|                            |              |           | RB25#13               | 21.71                           | -2.86              | -5.01              | 16.70     | 0.047   | 100.000   | Pass    |
|                            |              |           | RB25#25               | 21.68                           | -2.86              | -5.01              | 16.67     | 0.046   | 100.000   | Pass    |
|                            |              |           | RB50#0                | 21.65                           | -2.86              | -5.01              | 16.64     | 0.046   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.45                           | -2.86              | -5.01              | 16.44     | 0.044   | 100.000   | Pass    |
|                            |              |           | RB1#25                | 21.72                           | -2.86              | -5.01              | 16.71     | 0.047   | 100.000   | Pass    |
|                            |              |           | RB1#49                | 21.48                           | -2.86              | -5.01              | 16.47     | 0.044   | 100.000   | Pass    |
|                            |              |           | RB25#0                | 20.64                           | -2.86              | -5.01              | 15.63     | 0.037   | 100.000   | Pass    |
|                            |              |           | RB25#13               | 20.74                           | -2.86              | -5.01              | 15.73     | 0.037   | 100.000   | Pass    |
|                            |              |           | RB25#25               | 20.7                            | -2.86              | -5.01              | 15.69     | 0.037   | 100.000   | Pass    |
|                            |              |           | RB50#0                | 20.64                           | -2.86              | -5.01              | 15.63     | 0.037   | 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 BAND38</b> |              |           |                       |                                 |                    |            |          |           |         |
| 5 MHz             | LCH          | QPSK      | RB1#0                 | 22.5                            | 2.21               | 24.71      | 0.296    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 22.65                           | 2.21               | 24.86      | 0.306    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 22.56                           | 2.21               | 24.77      | 0.300    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 21.57                           | 2.21               | 23.78      | 0.239    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 21.63                           | 2.21               | 23.84      | 0.242    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 21.57                           | 2.21               | 23.78      | 0.239    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.54                           | 2.21               | 23.75      | 0.237    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.68                           | 2.21               | 23.89      | 0.245    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 21.81                           | 2.21               | 24.02      | 0.252    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 21.71                           | 2.21               | 23.92      | 0.247    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 20.6                            | 2.21               | 22.81      | 0.191    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 20.67                           | 2.21               | 22.88      | 0.194    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 20.62                           | 2.21               | 22.83      | 0.192    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.58                           | 2.21               | 22.79      | 0.190    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.94                           | 2.21               | 25.15      | 0.327    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 23.09                           | 2.21               | 25.30      | 0.339    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 22.93                           | 2.21               | 25.14      | 0.327    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 21.99                           | 2.21               | 24.20      | 0.263    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 22.03                           | 2.21               | 24.24      | 0.265    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 21.97                           | 2.21               | 24.18      | 0.262    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.97                           | 2.21               | 24.18      | 0.262    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.14                           | 2.21               | 24.35      | 0.272    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 22.29                           | 2.21               | 24.50      | 0.282    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 22.17                           | 2.21               | 24.38      | 0.274    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 20.97                           | 2.21               | 23.18      | 0.208    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 21.03                           | 2.21               | 23.24      | 0.211    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 20.98                           | 2.21               | 23.19      | 0.208    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.03                           | 2.21               | 23.24      | 0.211    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.99                           | 2.21               | 25.20      | 0.331    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 23.13                           | 2.21               | 25.34      | 0.342    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 23.04                           | 2.21               | 25.25      | 0.335    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 22.02                           | 2.21               | 24.23      | 0.265    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 22.11                           | 2.21               | 24.32      | 0.270    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 22.03                           | 2.21               | 24.24      | 0.265    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 22.02                           | 2.21               | 24.23      | 0.265    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.29                           | 2.21               | 24.50      | 0.282    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 22.44                           | 2.21               | 24.65      | 0.292    | 2.00      | 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 BAND38</b> |              |           |                       |                                 |                    |            |          |           |         |
| 10 MHz            |              |           | RB1#24                | 22.31                           | 2.21               | 24.52      | 0.283    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 21.11                           | 2.21               | 23.32      | 0.215    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 21.17                           | 2.21               | 23.38      | 0.218    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 21.1                            | 2.21               | 23.31      | 0.214    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.06                           | 2.21               | 23.27      | 0.212    | 2.00      | Pass    |
|                   | LCH          | QPSK      | RB1#0                 | 22.59                           | 2.21               | 24.80      | 0.302    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 22.97                           | 2.21               | 25.18      | 0.330    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 22.72                           | 2.21               | 24.93      | 0.311    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.69                           | 2.21               | 23.90      | 0.245    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 21.72                           | 2.21               | 23.93      | 0.247    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 21.73                           | 2.21               | 23.94      | 0.248    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.69                           | 2.21               | 23.90      | 0.245    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.79                           | 2.21               | 24.00      | 0.251    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 22.17                           | 2.21               | 24.38      | 0.274    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 21.95                           | 2.21               | 24.16      | 0.261    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.72                           | 2.21               | 22.93      | 0.196    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 20.75                           | 2.21               | 22.96      | 0.198    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 20.75                           | 2.21               | 22.96      | 0.198    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.73                           | 2.21               | 22.94      | 0.197    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.02                           | 2.21               | 25.23      | 0.333    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 23.42                           | 2.21               | 25.63      | 0.366    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 23.05                           | 2.21               | 25.26      | 0.336    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 22.08                           | 2.21               | 24.29      | 0.269    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 22.09                           | 2.21               | 24.30      | 0.269    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 22.03                           | 2.21               | 24.24      | 0.265    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 22.05                           | 2.21               | 24.26      | 0.267    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.35                           | 2.21               | 24.56      | 0.286    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 22.68                           | 2.21               | 24.89      | 0.308    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 22.38                           | 2.21               | 24.59      | 0.288    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.12                           | 2.21               | 23.33      | 0.215    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 21.12                           | 2.21               | 23.33      | 0.215    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 21.07                           | 2.21               | 23.28      | 0.213    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.08                           | 2.21               | 23.29      | 0.213    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 23.11                           | 2.21               | 25.32      | 0.340    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 23.45                           | 2.21               | 25.66      | 0.368    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 23.13                           | 2.21               | 25.34      | 0.342    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 22.15                           | 2.21               | 24.36      | 0.273    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 22.11                           | 2.21               | 24.32      | 0.270    | 2.00      | 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 BAND38</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB25#25               | 22.12                           | 2.21               | 24.33      | 0.271    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 22.06                           | 2.21               | 24.27      | 0.267    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.4                            | 2.21               | 24.61      | 0.289    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 22.69                           | 2.21               | 24.90      | 0.309    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 22.41                           | 2.21               | 24.62      | 0.290    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.2                            | 2.21               | 23.41      | 0.219    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 21.17                           | 2.21               | 23.38      | 0.218    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 21.11                           | 2.21               | 23.32      | 0.215    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.14                           | 2.21               | 23.35      | 0.216    | 2.00      | Pass    |
| 15 MHz            | LCH          | QPSK      | RB1#0                 | 22.45                           | 2.21               | 24.66      | 0.292    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 22.75                           | 2.21               | 24.96      | 0.313    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 22.65                           | 2.21               | 24.86      | 0.306    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 21.65                           | 2.21               | 23.86      | 0.243    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 21.77                           | 2.21               | 23.98      | 0.250    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 21.79                           | 2.21               | 24.00      | 0.251    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 21.73                           | 2.21               | 23.94      | 0.248    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.66                           | 2.21               | 23.87      | 0.244    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 21.96                           | 2.21               | 24.17      | 0.261    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 21.84                           | 2.21               | 24.05      | 0.254    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 20.65                           | 2.21               | 22.86      | 0.193    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 20.75                           | 2.21               | 22.96      | 0.198    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 20.73                           | 2.21               | 22.94      | 0.197    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 20.72                           | 2.21               | 22.93      | 0.196    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.83                           | 2.21               | 25.04      | 0.319    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 23.08                           | 2.21               | 25.29      | 0.338    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 22.88                           | 2.21               | 25.09      | 0.323    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 22.03                           | 2.21               | 24.24      | 0.265    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 22.08                           | 2.21               | 24.29      | 0.269    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 22.03                           | 2.21               | 24.24      | 0.265    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 22.03                           | 2.21               | 24.24      | 0.265    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.19                           | 2.21               | 24.40      | 0.275    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 22.44                           | 2.21               | 24.65      | 0.292    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 22.24                           | 2.21               | 24.45      | 0.279    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 21.02                           | 2.21               | 23.23      | 0.210    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 21.04                           | 2.21               | 23.25      | 0.211    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 21                              | 2.21               | 23.21      | 0.209    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 21.02                           | 2.21               | 23.23      | 0.210    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.92                           | 2.21               | 25.13      | 0.326    | 2.00      | 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 BAND38</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB1#38                | 23.15                           | 2.21               | 25.36      | 0.344    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 22.97                           | 2.21               | 25.18      | 0.330    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 22.13                           | 2.21               | 24.34      | 0.272    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 22.11                           | 2.21               | 24.32      | 0.270    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 22.05                           | 2.21               | 24.26      | 0.267    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 22.06                           | 2.21               | 24.27      | 0.267    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.16                           | 2.21               | 24.37      | 0.274    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 22.36                           | 2.21               | 24.57      | 0.286    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 22.19                           | 2.21               | 24.40      | 0.275    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 21.14                           | 2.21               | 23.35      | 0.216    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 21.08                           | 2.21               | 23.29      | 0.213    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 21.05                           | 2.21               | 23.26      | 0.212    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 21.06                           | 2.21               | 23.27      | 0.212    | 2.00      | Pass    |
| 20 MHz            | LCH          | QPSK      | RB1#0                 | 22.29                           | 2.21               | 24.50      | 0.282    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 23.01                           | 2.21               | 25.22      | 0.333    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 22.57                           | 2.21               | 24.78      | 0.301    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.66                           | 2.21               | 23.87      | 0.244    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 21.72                           | 2.21               | 23.93      | 0.247    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 21.77                           | 2.21               | 23.98      | 0.250    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 21.71                           | 2.21               | 23.92      | 0.247    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.53                           | 2.21               | 23.74      | 0.237    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 22.25                           | 2.21               | 24.46      | 0.279    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 21.8                            | 2.21               | 24.01      | 0.252    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.69                           | 2.21               | 22.90      | 0.195    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 20.76                           | 2.21               | 22.97      | 0.198    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 20.75                           | 2.21               | 22.96      | 0.198    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 20.72                           | 2.21               | 22.93      | 0.196    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.63                           | 2.21               | 24.84      | 0.305    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 23.27                           | 2.21               | 25.48      | 0.353    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 22.72                           | 2.21               | 24.93      | 0.311    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 22.02                           | 2.21               | 24.23      | 0.265    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 22.02                           | 2.21               | 24.23      | 0.265    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 21.94                           | 2.21               | 24.15      | 0.260    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 21.98                           | 2.21               | 24.19      | 0.262    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.78                           | 2.21               | 23.99      | 0.251    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 22.39                           | 2.21               | 24.60      | 0.288    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 21.88                           | 2.21               | 24.09      | 0.256    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.04                           | 2.21               | 23.25      | 0.211    | 2.00      | 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 BAND38</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB50#25               | 21.02                           | 2.21               | 23.23      | 0.210    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 20.98                           | 2.21               | 23.19      | 0.208    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 21.01                           | 2.21               | 23.22      | 0.210    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.81                           | 2.21               | 25.02      | 0.318    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 23.41                           | 2.21               | 25.62      | 0.365    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 22.86                           | 2.21               | 25.07      | 0.321    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 22.07                           | 2.21               | 24.28      | 0.268    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 22.01                           | 2.21               | 24.22      | 0.264    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 21.93                           | 2.21               | 24.14      | 0.259    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 22.01                           | 2.21               | 24.22      | 0.264    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.06                           | 2.21               | 24.27      | 0.267    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 22.68                           | 2.21               | 24.89      | 0.308    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 22.11                           | 2.21               | 24.32      | 0.270    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.1                            | 2.21               | 23.31      | 0.214    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 21.1                            | 2.21               | 23.31      | 0.214    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 21.01                           | 2.21               | 23.22      | 0.210    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 21.06                           | 2.21               | 23.27      | 0.212    | 2.00      | 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 BAND41</b> |              |           |                       |                                 |                    |            |          |           |         |
| 5 MHz             | LCH          | QPSK      | RB1#0                 | 22.12                           | 2.23               | 24.35      | 0.272    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 22.26                           | 2.23               | 24.49      | 0.281    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 22.13                           | 2.23               | 24.36      | 0.273    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 21.16                           | 2.23               | 23.39      | 0.218    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 21.24                           | 2.23               | 23.47      | 0.222    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 21.2                            | 2.23               | 23.43      | 0.220    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.15                           | 2.23               | 23.38      | 0.218    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.27                           | 2.23               | 23.50      | 0.224    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 21.43                           | 2.23               | 23.66      | 0.232    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 21.31                           | 2.23               | 23.54      | 0.226    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 20.23                           | 2.23               | 22.46      | 0.176    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 20.27                           | 2.23               | 22.50      | 0.178    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 20.18                           | 2.23               | 22.41      | 0.174    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.16                           | 2.23               | 22.39      | 0.173    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.9                            | 2.23               | 25.13      | 0.326    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 23.04                           | 2.23               | 25.27      | 0.337    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 22.92                           | 2.23               | 25.15      | 0.327    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 21.95                           | 2.23               | 24.18      | 0.262    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 22                              | 2.23               | 24.23      | 0.265    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 21.9                            | 2.23               | 24.13      | 0.259    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.92                           | 2.23               | 24.15      | 0.260    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.09                           | 2.23               | 24.32      | 0.270    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 22.24                           | 2.23               | 24.47      | 0.280    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 22.14                           | 2.23               | 24.37      | 0.274    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 20.94                           | 2.23               | 23.17      | 0.207    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 21.03                           | 2.23               | 23.26      | 0.212    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 20.94                           | 2.23               | 23.17      | 0.207    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.98                           | 2.23               | 23.21      | 0.209    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 23.44                           | 2.23               | 25.67      | 0.369    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 23.47                           | 2.23               | 25.70      | 0.372    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 23.46                           | 2.23               | 25.69      | 0.371    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 22.61                           | 2.23               | 24.84      | 0.305    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 22.68                           | 2.23               | 24.91      | 0.310    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 22.61                           | 2.23               | 24.84      | 0.305    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 22.57                           | 2.23               | 24.80      | 0.302    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.86                           | 2.23               | 25.09      | 0.323    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 22.98                           | 2.23               | 25.21      | 0.332    | 2.00      | 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 BAND41</b> |              |           |                       |                                 |                    |            |          |           |         |
| 10 MHz            |              |           | RB1#24                | 22.84                           | 2.23               | 25.07      | 0.321    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 21.64                           | 2.23               | 23.87      | 0.244    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 21.67                           | 2.23               | 23.90      | 0.245    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 21.62                           | 2.23               | 23.85      | 0.243    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.55                           | 2.23               | 23.78      | 0.239    | 2.00      | Pass    |
|                   | LCH          | QPSK      | RB1#0                 | 22.17                           | 2.23               | 24.40      | 0.275    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 22.54                           | 2.23               | 24.77      | 0.300    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 22.17                           | 2.23               | 24.40      | 0.275    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.27                           | 2.23               | 23.50      | 0.224    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 21.24                           | 2.23               | 23.47      | 0.222    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 21.24                           | 2.23               | 23.47      | 0.222    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.2                            | 2.23               | 23.43      | 0.220    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.38                           | 2.23               | 23.61      | 0.230    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 21.72                           | 2.23               | 23.95      | 0.248    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 21.38                           | 2.23               | 23.61      | 0.230    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.31                           | 2.23               | 22.54      | 0.179    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 20.29                           | 2.23               | 22.52      | 0.179    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 20.26                           | 2.23               | 22.49      | 0.177    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.22                           | 2.23               | 22.45      | 0.176    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.97                           | 2.23               | 25.20      | 0.331    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 23.33                           | 2.23               | 25.56      | 0.360    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 22.99                           | 2.23               | 25.22      | 0.333    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 22.04                           | 2.23               | 24.27      | 0.267    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 22.04                           | 2.23               | 24.27      | 0.267    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 22                              | 2.23               | 24.23      | 0.265    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.98                           | 2.23               | 24.21      | 0.264    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.28                           | 2.23               | 24.51      | 0.282    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 22.65                           | 2.23               | 24.88      | 0.308    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 22.32                           | 2.23               | 24.55      | 0.285    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.07                           | 2.23               | 23.30      | 0.214    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 21.07                           | 2.23               | 23.30      | 0.214    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 21.01                           | 2.23               | 23.24      | 0.211    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.04                           | 2.23               | 23.27      | 0.212    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 23.47                           | 2.23               | 25.70      | 0.372    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 23.48                           | 2.23               | 25.71      | 0.372    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 23.48                           | 2.23               | 25.71      | 0.372    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 22.76                           | 2.23               | 24.99      | 0.316    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 22.72                           | 2.23               | 24.95      | 0.313    | 2.00      | 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 BAND41</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB25#25               | 22.67                           | 2.23               | 24.90      | 0.309    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 22.67                           | 2.23               | 24.90      | 0.309    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.96                           | 2.23               | 25.19      | 0.330    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 23.25                           | 2.23               | 25.48      | 0.353    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 22.86                           | 2.23               | 25.09      | 0.323    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.75                           | 2.23               | 23.98      | 0.250    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 21.71                           | 2.23               | 23.94      | 0.248    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 21.65                           | 2.23               | 23.88      | 0.244    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.67                           | 2.23               | 23.90      | 0.245    | 2.00      | Pass    |
| 15 MHz            | LCH          | QPSK      | RB1#0                 | 22                              | 2.23               | 24.23      | 0.265    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 22.23                           | 2.23               | 24.46      | 0.279    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 22.06                           | 2.23               | 24.29      | 0.269    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 21.23                           | 2.23               | 23.46      | 0.222    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 21.23                           | 2.23               | 23.46      | 0.222    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 21.16                           | 2.23               | 23.39      | 0.218    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 21.2                            | 2.23               | 23.43      | 0.220    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.22                           | 2.23               | 23.45      | 0.221    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 21.45                           | 2.23               | 23.68      | 0.233    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 21.23                           | 2.23               | 23.46      | 0.222    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 20.22                           | 2.23               | 22.45      | 0.176    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 20.21                           | 2.23               | 22.44      | 0.175    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 20.18                           | 2.23               | 22.41      | 0.174    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 20.24                           | 2.23               | 22.47      | 0.177    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.78                           | 2.23               | 25.01      | 0.317    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 23.04                           | 2.23               | 25.27      | 0.337    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 22.84                           | 2.23               | 25.07      | 0.321    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 21.98                           | 2.23               | 24.21      | 0.264    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 22                              | 2.23               | 24.23      | 0.265    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 21.96                           | 2.23               | 24.19      | 0.262    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 21.97                           | 2.23               | 24.20      | 0.263    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.12                           | 2.23               | 24.35      | 0.272    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 22.39                           | 2.23               | 24.62      | 0.290    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 22.17                           | 2.23               | 24.40      | 0.275    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 20.98                           | 2.23               | 23.21      | 0.209    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 21                              | 2.23               | 23.23      | 0.210    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 20.94                           | 2.23               | 23.17      | 0.207    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 20.97                           | 2.23               | 23.20      | 0.209    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 23.48                           | 2.23               | 25.71      | 0.372    | 2.00      | 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 BAND41</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB1#38                | 23.4                            | 2.23               | 25.63      | 0.366    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 23.47                           | 2.23               | 25.70      | 0.372    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 22.74                           | 2.23               | 24.97      | 0.314    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 22.76                           | 2.23               | 24.99      | 0.316    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 22.65                           | 2.23               | 24.88      | 0.308    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 22.68                           | 2.23               | 24.91      | 0.310    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.75                           | 2.23               | 24.98      | 0.315    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 22.95                           | 2.23               | 25.18      | 0.330    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 22.68                           | 2.23               | 24.91      | 0.310    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 21.68                           | 2.23               | 23.91      | 0.246    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 21.68                           | 2.23               | 23.91      | 0.246    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 21.59                           | 2.23               | 23.82      | 0.241    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 21.61                           | 2.23               | 23.84      | 0.242    | 2.00      | Pass    |
| 20 MHz            | LCH          | QPSK      | RB1#0                 | 21.87                           | 2.23               | 24.10      | 0.257    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 22.46                           | 2.23               | 24.69      | 0.294    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 21.93                           | 2.23               | 24.16      | 0.261    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.26                           | 2.23               | 23.49      | 0.223    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 21.17                           | 2.23               | 23.40      | 0.219    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 21.09                           | 2.23               | 23.32      | 0.215    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 21.16                           | 2.23               | 23.39      | 0.218    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.12                           | 2.23               | 23.35      | 0.216    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 21.7                            | 2.23               | 23.93      | 0.247    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 21.18                           | 2.23               | 23.41      | 0.219    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.29                           | 2.23               | 22.52      | 0.179    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 20.19                           | 2.23               | 22.42      | 0.175    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 20.14                           | 2.23               | 22.37      | 0.173    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 20.26                           | 2.23               | 22.49      | 0.177    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.57                           | 2.23               | 24.80      | 0.302    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 23.23                           | 2.23               | 25.46      | 0.352    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 22.65                           | 2.23               | 24.88      | 0.308    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.93                           | 2.23               | 24.16      | 0.261    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 21.94                           | 2.23               | 24.17      | 0.261    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 21.9                            | 2.23               | 24.13      | 0.259    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 21.95                           | 2.23               | 24.18      | 0.262    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.7                            | 2.23               | 23.93      | 0.247    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 22.35                           | 2.23               | 24.58      | 0.287    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 21.78                           | 2.23               | 24.01      | 0.252    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.99                           | 2.23               | 23.22      | 0.210    | 2.00      | 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 BAND41</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB50#25               | 20.97                           | 2.23               | 23.20      | 0.209    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 20.92                           | 2.23               | 23.15      | 0.207    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 20.95                           | 2.23               | 23.18      | 0.208    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 23.4                            | 2.23               | 25.63      | 0.366    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 23.45                           | 2.23               | 25.68      | 0.370    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 23.33                           | 2.23               | 25.56      | 0.360    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 22.7                            | 2.23               | 24.93      | 0.311    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 22.67                           | 2.23               | 24.90      | 0.309    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 22.57                           | 2.23               | 24.80      | 0.302    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 22.63                           | 2.23               | 24.86      | 0.306    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.72                           | 2.23               | 24.95      | 0.313    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 23.27                           | 2.23               | 25.50      | 0.355    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 22.65                           | 2.23               | 24.88      | 0.308    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.71                           | 2.23               | 23.94      | 0.248    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 21.67                           | 2.23               | 23.90      | 0.245    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 21.57                           | 2.23               | 23.80      | 0.240    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 21.6                            | 2.23               | 23.83      | 0.242    | 2.00      | 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 BAND66</b> |              |           |                       |                                 |                    |            |          |           |         |
| 1.4 MHz           | LCH          | QPSK      | RB1#0                 | 22.45                           | 0.55               | 23.00      | 0.200    | 1.00      | Pass    |
|                   |              |           | RB1#3                 | 22.62                           | 0.55               | 23.17      | 0.207    | 1.00      | Pass    |
|                   |              |           | RB1#5                 | 22.46                           | 0.55               | 23.01      | 0.200    | 1.00      | Pass    |
|                   |              |           | RB3#0                 | 22.52                           | 0.55               | 23.07      | 0.203    | 1.00      | Pass    |
|                   |              |           | RB3#2                 | 22.58                           | 0.55               | 23.13      | 0.206    | 1.00      | Pass    |
|                   |              |           | RB3#3                 | 22.51                           | 0.55               | 23.06      | 0.202    | 1.00      | Pass    |
|                   |              |           | RB6#0                 | 21.51                           | 0.55               | 22.06      | 0.161    | 1.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.56                           | 0.55               | 22.11      | 0.163    | 1.00      | Pass    |
|                   |              |           | RB1#3                 | 21.71                           | 0.55               | 22.26      | 0.168    | 1.00      | Pass    |
|                   |              |           | RB1#5                 | 21.57                           | 0.55               | 22.12      | 0.163    | 1.00      | Pass    |
|                   |              |           | RB3#0                 | 21.58                           | 0.55               | 22.13      | 0.163    | 1.00      | Pass    |
|                   |              |           | RB3#2                 | 21.59                           | 0.55               | 22.14      | 0.164    | 1.00      | Pass    |
|                   |              |           | RB3#3                 | 21.54                           | 0.55               | 22.09      | 0.162    | 1.00      | Pass    |
|                   |              |           | RB6#0                 | 20.68                           | 0.55               | 21.23      | 0.133    | 1.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.26                           | 0.55               | 22.81      | 0.191    | 1.00      | Pass    |
|                   |              |           | RB1#3                 | 22.45                           | 0.55               | 23.00      | 0.200    | 1.00      | Pass    |
|                   |              |           | RB1#5                 | 22.29                           | 0.55               | 22.84      | 0.192    | 1.00      | Pass    |
|                   |              |           | RB3#0                 | 22.41                           | 0.55               | 22.96      | 0.198    | 1.00      | Pass    |
|                   |              |           | RB3#2                 | 22.43                           | 0.55               | 22.98      | 0.199    | 1.00      | Pass    |
|                   |              |           | RB3#3                 | 22.38                           | 0.55               | 22.93      | 0.196    | 1.00      | Pass    |
|                   |              |           | RB6#0                 | 21.34                           | 0.55               | 21.89      | 0.155    | 1.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.71                           | 0.55               | 22.26      | 0.168    | 1.00      | Pass    |
|                   |              |           | RB1#3                 | 21.81                           | 0.55               | 22.36      | 0.172    | 1.00      | Pass    |
|                   |              |           | RB1#5                 | 21.68                           | 0.55               | 22.23      | 0.167    | 1.00      | Pass    |
|                   |              |           | RB3#0                 | 21.59                           | 0.55               | 22.14      | 0.164    | 1.00      | Pass    |
|                   |              |           | RB3#2                 | 21.59                           | 0.55               | 22.14      | 0.164    | 1.00      | Pass    |
|                   |              |           | RB3#3                 | 21.64                           | 0.55               | 22.19      | 0.166    | 1.00      | Pass    |
|                   |              |           | RB6#0                 | 20.3                            | 0.55               | 20.85      | 0.122    | 1.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.13                           | 0.55               | 22.68      | 0.185    | 1.00      | Pass    |
|                   |              |           | RB1#3                 | 22.34                           | 0.55               | 22.89      | 0.195    | 1.00      | Pass    |
|                   |              |           | RB1#5                 | 22.12                           | 0.55               | 22.67      | 0.185    | 1.00      | Pass    |
|                   |              |           | RB3#0                 | 22.19                           | 0.55               | 22.74      | 0.188    | 1.00      | Pass    |
|                   |              |           | RB3#2                 | 22.25                           | 0.55               | 22.80      | 0.191    | 1.00      | Pass    |
|                   |              |           | RB3#3                 | 22.19                           | 0.55               | 22.74      | 0.188    | 1.00      | Pass    |
|                   |              |           | RB6#0                 | 21.16                           | 0.55               | 21.71      | 0.148    | 1.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.06                           | 0.55               | 21.61      | 0.145    | 1.00      | Pass    |
|                   |              |           | RB1#3                 | 21.19                           | 0.55               | 21.74      | 0.149    | 1.00      | 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 BAND66</b> |              |           |                       |                                 |                    |            |          |           |         |
| 3 MHz             | LCH          | QPSK      | RB1#5                 | 21.06                           | 0.55               | 21.61      | 0.145    | 1.00      | Pass    |
|                   |              |           | RB3#0                 | 21.25                           | 0.55               | 21.80      | 0.151    | 1.00      | Pass    |
|                   |              |           | RB3#2                 | 21.19                           | 0.55               | 21.74      | 0.149    | 1.00      | Pass    |
|                   |              |           | RB3#3                 | 21.27                           | 0.55               | 21.82      | 0.152    | 1.00      | Pass    |
|                   |              |           | RB6#0                 | 20.32                           | 0.55               | 20.87      | 0.122    | 1.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.57                           | 0.55               | 23.12      | 0.205    | 1.00      | Pass    |
|                   |              |           | RB1#7                 | 22.55                           | 0.55               | 23.10      | 0.204    | 1.00      | Pass    |
|                   |              |           | RB1#14                | 22.56                           | 0.55               | 23.11      | 0.205    | 1.00      | Pass    |
|                   |              |           | RB8#0                 | 21.61                           | 0.55               | 22.16      | 0.164    | 1.00      | Pass    |
|                   |              |           | RB8#4                 | 21.65                           | 0.55               | 22.20      | 0.166    | 1.00      | Pass    |
|                   |              |           | RB8#7                 | 21.59                           | 0.55               | 22.14      | 0.164    | 1.00      | Pass    |
|                   |              |           | RB15#0                | 21.58                           | 0.55               | 22.13      | 0.163    | 1.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 21.51                           | 0.55               | 22.06      | 0.161    | 1.00      | Pass    |
|                   |              |           | RB1#7                 | 21.49                           | 0.55               | 22.04      | 0.160    | 1.00      | Pass    |
|                   |              |           | RB1#14                | 21.5                            | 0.55               | 22.05      | 0.160    | 1.00      | Pass    |
|                   |              |           | RB8#0                 | 20.74                           | 0.55               | 21.29      | 0.135    | 1.00      | Pass    |
|                   |              |           | RB8#4                 | 20.8                            | 0.55               | 21.35      | 0.136    | 1.00      | Pass    |
|                   |              |           | RB8#7                 | 20.75                           | 0.55               | 21.30      | 0.135    | 1.00      | Pass    |
|                   |              |           | RB15#0                | 20.65                           | 0.55               | 21.20      | 0.132    | 1.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.4                            | 0.55               | 22.95      | 0.197    | 1.00      | Pass    |
|                   |              |           | RB1#7                 | 22.4                            | 0.55               | 22.95      | 0.197    | 1.00      | Pass    |
|                   |              |           | RB1#14                | 22.4                            | 0.55               | 22.95      | 0.197    | 1.00      | Pass    |
|                   |              |           | RB8#0                 | 21.42                           | 0.55               | 21.97      | 0.157    | 1.00      | Pass    |
|                   |              |           | RB8#4                 | 21.47                           | 0.55               | 22.02      | 0.159    | 1.00      | Pass    |
|                   |              |           | RB8#7                 | 21.38                           | 0.55               | 21.93      | 0.156    | 1.00      | Pass    |
|                   |              |           | RB15#0                | 21.4                            | 0.55               | 21.95      | 0.157    | 1.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 21.74                           | 0.55               | 22.29      | 0.169    | 1.00      | Pass    |
|                   |              |           | RB1#7                 | 21.79                           | 0.55               | 22.34      | 0.171    | 1.00      | Pass    |
|                   |              |           | RB1#14                | 21.79                           | 0.55               | 22.34      | 0.171    | 1.00      | Pass    |
|                   |              |           | RB8#0                 | 20.6                            | 0.55               | 21.15      | 0.130    | 1.00      | Pass    |
|                   |              |           | RB8#4                 | 20.61                           | 0.55               | 21.16      | 0.131    | 1.00      | Pass    |
|                   |              | 16-QAM    | RB8#7                 | 20.54                           | 0.55               | 21.09      | 0.129    | 1.00      | Pass    |
|                   |              |           | RB15#0                | 20.55                           | 0.55               | 21.10      | 0.129    | 1.00      | Pass    |
|                   |              | QPSK      | RB1#0                 | 22.34                           | 0.55               | 22.89      | 0.195    | 1.00      | Pass    |
|                   |              |           | RB1#7                 | 22.27                           | 0.55               | 22.82      | 0.191    | 1.00      | Pass    |
|                   |              |           | RB1#14                | 22.27                           | 0.55               | 22.82      | 0.191    | 1.00      | Pass    |
|                   |              |           | RB8#0                 | 21.26                           | 0.55               | 21.81      | 0.152    | 1.00      | Pass    |
|                   |              |           | RB8#4                 | 21.25                           | 0.55               | 21.80      | 0.151    | 1.00      | 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 BAND66</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB8#7                 | 21.23                           | 0.55               | 21.78      | 0.151    | 1.00      | Pass    |
|                   |              |           | RB15#0                | 21.3                            | 0.55               | 21.85      | 0.153    | 1.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.26                           | 0.55               | 21.81      | 0.152    | 1.00      | Pass    |
|                   |              |           | RB1#7                 | 21.15                           | 0.55               | 21.70      | 0.148    | 1.00      | Pass    |
|                   |              |           | RB1#14                | 21.12                           | 0.55               | 21.67      | 0.147    | 1.00      | Pass    |
|                   |              |           | RB8#0                 | 20.32                           | 0.55               | 20.87      | 0.122    | 1.00      | Pass    |
|                   |              |           | RB8#4                 | 20.39                           | 0.55               | 20.94      | 0.124    | 1.00      | Pass    |
|                   |              |           | RB8#7                 | 20.29                           | 0.55               | 20.84      | 0.121    | 1.00      | Pass    |
|                   |              |           | RB15#0                | 20.24                           | 0.55               | 20.79      | 0.120    | 1.00      | Pass    |
| 5 MHz             | LCH          | QPSK      | RB1#0                 | 22.4                            | 0.55               | 22.95      | 0.197    | 1.00      | Pass    |
|                   |              |           | RB1#13                | 22.5                            | 0.55               | 23.05      | 0.202    | 1.00      | Pass    |
|                   |              |           | RB1#24                | 22.38                           | 0.55               | 22.93      | 0.196    | 1.00      | Pass    |
|                   |              |           | RB12#0                | 21.47                           | 0.55               | 22.02      | 0.159    | 1.00      | Pass    |
|                   |              |           | RB12#6                | 21.54                           | 0.55               | 22.09      | 0.162    | 1.00      | Pass    |
|                   |              |           | RB12#13               | 21.48                           | 0.55               | 22.03      | 0.160    | 1.00      | Pass    |
|                   |              |           | RB25#0                | 21.48                           | 0.55               | 22.03      | 0.160    | 1.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.52                           | 0.55               | 22.07      | 0.161    | 1.00      | Pass    |
|                   |              |           | RB1#13                | 21.69                           | 0.55               | 22.24      | 0.167    | 1.00      | Pass    |
|                   |              |           | RB1#24                | 21.56                           | 0.55               | 22.11      | 0.163    | 1.00      | Pass    |
|                   |              |           | RB12#0                | 20.59                           | 0.55               | 21.14      | 0.130    | 1.00      | Pass    |
|                   |              |           | RB12#6                | 20.67                           | 0.55               | 21.22      | 0.132    | 1.00      | Pass    |
|                   |              |           | RB12#13               | 20.62                           | 0.55               | 21.17      | 0.131    | 1.00      | Pass    |
|                   |              |           | RB25#0                | 20.55                           | 0.55               | 21.10      | 0.129    | 1.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.23                           | 0.55               | 22.78      | 0.190    | 1.00      | Pass    |
|                   |              |           | RB1#13                | 22.31                           | 0.55               | 22.86      | 0.193    | 1.00      | Pass    |
|                   |              |           | RB1#24                | 22.18                           | 0.55               | 22.73      | 0.187    | 1.00      | Pass    |
|                   |              |           | RB12#0                | 21.31                           | 0.55               | 21.86      | 0.153    | 1.00      | Pass    |
|                   |              |           | RB12#6                | 21.4                            | 0.55               | 21.95      | 0.157    | 1.00      | Pass    |
|                   |              |           | RB12#13               | 21.26                           | 0.55               | 21.81      | 0.152    | 1.00      | Pass    |
|                   |              |           | RB25#0                | 21.31                           | 0.55               | 21.86      | 0.153    | 1.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.74                           | 0.55               | 22.29      | 0.169    | 1.00      | Pass    |
|                   |              |           | RB1#13                | 21.82                           | 0.55               | 22.37      | 0.173    | 1.00      | Pass    |
|                   |              |           | RB1#24                | 21.74                           | 0.55               | 22.29      | 0.169    | 1.00      | Pass    |
|                   |              |           | RB12#0                | 20.55                           | 0.55               | 21.10      | 0.129    | 1.00      | Pass    |
|                   |              |           | RB12#6                | 20.59                           | 0.55               | 21.14      | 0.130    | 1.00      | Pass    |
|                   |              |           | RB12#13               | 20.46                           | 0.55               | 21.01      | 0.126    | 1.00      | Pass    |
|                   |              |           | RB25#0                | 20.45                           | 0.55               | 21.00      | 0.126    | 1.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.07                           | 0.55               | 22.62      | 0.183    | 1.00      | 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 BAND66</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB1#13                | 22.17                           | 0.55               | 22.72      | 0.187    | 1.00      | Pass    |
|                   |              |           | RB1#24                | 22.01                           | 0.55               | 22.56      | 0.180    | 1.00      | Pass    |
|                   |              |           | RB12#0                | 21.16                           | 0.55               | 21.71      | 0.148    | 1.00      | Pass    |
|                   |              |           | RB12#6                | 21.21                           | 0.55               | 21.76      | 0.150    | 1.00      | Pass    |
|                   |              |           | RB12#13               | 21.11                           | 0.55               | 21.66      | 0.147    | 1.00      | Pass    |
|                   |              |           | RB25#0                | 21.13                           | 0.55               | 21.68      | 0.147    | 1.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.11                           | 0.55               | 21.66      | 0.147    | 1.00      | Pass    |
|                   |              |           | RB1#13                | 21.18                           | 0.55               | 21.73      | 0.149    | 1.00      | Pass    |
|                   |              |           | RB1#24                | 21.04                           | 0.55               | 21.59      | 0.144    | 1.00      | Pass    |
|                   |              |           | RB12#0                | 20.21                           | 0.55               | 20.76      | 0.119    | 1.00      | Pass    |
|                   |              |           | RB12#6                | 20.29                           | 0.55               | 20.84      | 0.121    | 1.00      | Pass    |
|                   |              |           | RB12#13               | 20.18                           | 0.55               | 20.73      | 0.118    | 1.00      | Pass    |
|                   |              |           | RB25#0                | 20.11                           | 0.55               | 20.66      | 0.116    | 1.00      | Pass    |
| 10 MHz            | LCH          | QPSK      | RB1#0                 | 22.4                            | 0.55               | 22.95      | 0.197    | 1.00      | Pass    |
|                   |              |           | RB1#25                | 22.69                           | 0.55               | 23.24      | 0.211    | 1.00      | Pass    |
|                   |              |           | RB1#49                | 22.39                           | 0.55               | 22.94      | 0.197    | 1.00      | Pass    |
|                   |              |           | RB25#0                | 21.48                           | 0.55               | 22.03      | 0.160    | 1.00      | Pass    |
|                   |              |           | RB25#13               | 21.56                           | 0.55               | 22.11      | 0.163    | 1.00      | Pass    |
|                   |              |           | RB25#25               | 21.59                           | 0.55               | 22.14      | 0.164    | 1.00      | Pass    |
|                   |              |           | RB50#0                | 21.56                           | 0.55               | 22.11      | 0.163    | 1.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.34                           | 0.55               | 21.89      | 0.155    | 1.00      | Pass    |
|                   |              |           | RB1#25                | 21.55                           | 0.55               | 22.10      | 0.162    | 1.00      | Pass    |
|                   |              |           | RB1#49                | 21.35                           | 0.55               | 21.90      | 0.155    | 1.00      | Pass    |
|                   |              |           | RB25#0                | 20.6                            | 0.55               | 21.15      | 0.130    | 1.00      | Pass    |
|                   |              |           | RB25#13               | 20.63                           | 0.55               | 21.18      | 0.131    | 1.00      | Pass    |
|                   |              |           | RB25#25               | 20.66                           | 0.55               | 21.21      | 0.132    | 1.00      | Pass    |
|                   |              |           | RB50#0                | 20.61                           | 0.55               | 21.16      | 0.131    | 1.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.28                           | 0.55               | 22.83      | 0.192    | 1.00      | Pass    |
|                   |              |           | RB1#25                | 22.5                            | 0.55               | 23.05      | 0.202    | 1.00      | Pass    |
|                   |              |           | RB1#49                | 22.24                           | 0.55               | 22.79      | 0.190    | 1.00      | Pass    |
|                   |              |           | RB25#0                | 21.4                            | 0.55               | 21.95      | 0.157    | 1.00      | Pass    |
|                   |              |           | RB25#13               | 21.4                            | 0.55               | 21.95      | 0.157    | 1.00      | Pass    |
|                   |              |           | RB25#25               | 21.25                           | 0.55               | 21.80      | 0.151    | 1.00      | Pass    |
|                   |              |           | RB50#0                | 21.35                           | 0.55               | 21.90      | 0.155    | 1.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.59                           | 0.55               | 22.14      | 0.164    | 1.00      | Pass    |
|                   |              |           | RB1#25                | 21.9                            | 0.55               | 22.45      | 0.176    | 1.00      | Pass    |
|                   |              |           | RB1#49                | 21.61                           | 0.55               | 22.16      | 0.164    | 1.00      | Pass    |
|                   |              |           | RB25#0                | 20.54                           | 0.55               | 21.09      | 0.129    | 1.00      | 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 BAND66</b> |              |           |                       |                                 |                    |            |          |           |         |
| 15 MHz            | HCH          |           | RB25#13               | 20.52                           | 0.55               | 21.07      | 0.128    | 1.00      | Pass    |
|                   |              |           | RB25#25               | 20.41                           | 0.55               | 20.96      | 0.125    | 1.00      | Pass    |
|                   |              |           | RB50#0                | 20.45                           | 0.55               | 21.00      | 0.126    | 1.00      | Pass    |
|                   |              | QPSK      | RB1#0                 | 22.11                           | 0.55               | 22.66      | 0.185    | 1.00      | Pass    |
|                   |              |           | RB1#25                | 22.4                            | 0.55               | 22.95      | 0.197    | 1.00      | Pass    |
|                   |              |           | RB1#49                | 22.1                            | 0.55               | 22.65      | 0.184    | 1.00      | Pass    |
|                   |              |           | RB25#0                | 21.11                           | 0.55               | 21.66      | 0.147    | 1.00      | Pass    |
|                   |              |           | RB25#13               | 21.21                           | 0.55               | 21.76      | 0.150    | 1.00      | Pass    |
|                   |              |           | RB25#25               | 21.19                           | 0.55               | 21.74      | 0.149    | 1.00      | Pass    |
|                   |              |           | RB50#0                | 21.18                           | 0.55               | 21.73      | 0.149    | 1.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.11                           | 0.55               | 21.66      | 0.147    | 1.00      | Pass    |
|                   |              |           | RB1#25                | 21.33                           | 0.55               | 21.88      | 0.154    | 1.00      | Pass    |
|                   |              |           | RB1#49                | 21                              | 0.55               | 21.55      | 0.143    | 1.00      | Pass    |
|                   |              |           | RB25#0                | 20.29                           | 0.55               | 20.84      | 0.121    | 1.00      | Pass    |
|                   |              |           | RB25#13               | 20.37                           | 0.55               | 20.92      | 0.124    | 1.00      | Pass    |
|                   |              |           | RB25#25               | 20.34                           | 0.55               | 20.89      | 0.123    | 1.00      | Pass    |
|                   |              |           | RB50#0                | 20.29                           | 0.55               | 20.84      | 0.121    | 1.00      | Pass    |
| 15 MHz            | LCH          | QPSK      | RB1#0                 | 22.26                           | 0.55               | 22.81      | 0.191    | 1.00      | Pass    |
|                   |              |           | RB1#38                | 22.49                           | 0.55               | 23.04      | 0.201    | 1.00      | Pass    |
|                   |              |           | RB1#74                | 22.25                           | 0.55               | 22.80      | 0.191    | 1.00      | Pass    |
|                   |              |           | RB36#0                | 21.46                           | 0.55               | 22.01      | 0.159    | 1.00      | Pass    |
|                   |              |           | RB36#19               | 21.57                           | 0.55               | 22.12      | 0.163    | 1.00      | Pass    |
|                   |              |           | RB36#39               | 21.55                           | 0.55               | 22.10      | 0.162    | 1.00      | Pass    |
|                   |              |           | RB75#0                | 21.53                           | 0.55               | 22.08      | 0.161    | 1.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.21                           | 0.55               | 21.76      | 0.150    | 1.00      | Pass    |
|                   |              |           | RB1#38                | 21.45                           | 0.55               | 22.00      | 0.158    | 1.00      | Pass    |
|                   |              |           | RB1#74                | 21.18                           | 0.55               | 21.73      | 0.149    | 1.00      | Pass    |
|                   |              |           | RB36#0                | 20.46                           | 0.55               | 21.01      | 0.126    | 1.00      | Pass    |
|                   |              |           | RB36#19               | 20.58                           | 0.55               | 21.13      | 0.130    | 1.00      | Pass    |
|                   |              |           | RB36#39               | 20.55                           | 0.55               | 21.10      | 0.129    | 1.00      | Pass    |
|                   |              |           | RB75#0                | 20.55                           | 0.55               | 21.10      | 0.129    | 1.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.18                           | 0.55               | 22.73      | 0.187    | 1.00      | Pass    |
|                   |              |           | RB1#38                | 22.35                           | 0.55               | 22.90      | 0.195    | 1.00      | Pass    |
|                   |              |           | RB1#74                | 22.06                           | 0.55               | 22.61      | 0.182    | 1.00      | Pass    |
|                   |              |           | RB36#0                | 21.43                           | 0.55               | 21.98      | 0.158    | 1.00      | Pass    |
|                   |              |           | RB36#19               | 21.4                            | 0.55               | 21.95      | 0.157    | 1.00      | Pass    |
|                   |              |           | RB36#39               | 21.3                            | 0.55               | 21.85      | 0.153    | 1.00      | Pass    |
|                   |              |           | RB75#0                | 21.33                           | 0.55               | 21.88      | 0.154    | 1.00      | 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 BAND66</b> |              |           |                       |                                 |                    |            |          |           |         |
| 20 MHz            | HCH          | 16-QAM    | RB1#0                 | 21.53                           | 0.55               | 22.08      | 0.161    | 1.00      | Pass    |
|                   |              |           | RB1#38                | 21.69                           | 0.55               | 22.24      | 0.167    | 1.00      | Pass    |
|                   |              |           | RB1#74                | 21.49                           | 0.55               | 22.04      | 0.160    | 1.00      | Pass    |
|                   |              |           | RB36#0                | 20.46                           | 0.55               | 21.01      | 0.126    | 1.00      | Pass    |
|                   |              |           | RB36#19               | 20.49                           | 0.55               | 21.04      | 0.127    | 1.00      | Pass    |
|                   |              |           | RB36#39               | 20.29                           | 0.55               | 20.84      | 0.121    | 1.00      | Pass    |
|                   |              |           | RB75#0                | 20.38                           | 0.55               | 20.93      | 0.124    | 1.00      | Pass    |
|                   |              | QPSK      | RB1#0                 | 21.96                           | 0.55               | 22.51      | 0.178    | 1.00      | Pass    |
|                   |              |           | RB1#38                | 22.19                           | 0.55               | 22.74      | 0.188    | 1.00      | Pass    |
|                   |              |           | RB1#74                | 21.98                           | 0.55               | 22.53      | 0.179    | 1.00      | Pass    |
|                   |              |           | RB36#0                | 21.15                           | 0.55               | 21.70      | 0.148    | 1.00      | Pass    |
|                   |              |           | RB36#19               | 21.27                           | 0.55               | 21.82      | 0.152    | 1.00      | Pass    |
|                   |              |           | RB36#39               | 21.22                           | 0.55               | 21.77      | 0.150    | 1.00      | Pass    |
|                   |              |           | RB75#0                | 21.18                           | 0.55               | 21.73      | 0.149    | 1.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.42                           | 0.55               | 21.97      | 0.157    | 1.00      | Pass    |
|                   |              |           | RB1#38                | 21.58                           | 0.55               | 22.13      | 0.163    | 1.00      | Pass    |
|                   |              |           | RB1#74                | 21.25                           | 0.55               | 21.80      | 0.151    | 1.00      | Pass    |
|                   |              |           | RB36#0                | 20.18                           | 0.55               | 20.73      | 0.118    | 1.00      | Pass    |
|                   |              |           | RB36#19               | 20.2                            | 0.55               | 20.75      | 0.119    | 1.00      | Pass    |
|                   |              |           | RB36#39               | 20.17                           | 0.55               | 20.72      | 0.118    | 1.00      | Pass    |
|                   |              |           | RB75#0                | 20.17                           | 0.55               | 20.72      | 0.118    | 1.00      | Pass    |
|                   | LCH          | QPSK      | RB1#0                 | 22.13                           | 0.55               | 22.68      | 0.185    | 1.00      | Pass    |
|                   |              |           | RB1#50                | 22.74                           | 0.55               | 23.29      | 0.213    | 1.00      | Pass    |
|                   |              |           | RB1#99                | 22.06                           | 0.55               | 22.61      | 0.182    | 1.00      | Pass    |
|                   |              |           | RB50#0                | 21.35                           | 0.55               | 21.90      | 0.155    | 1.00      | Pass    |
|                   |              |           | RB50#25               | 21.49                           | 0.55               | 22.04      | 0.160    | 1.00      | Pass    |
|                   |              |           | RB50#50               | 21.52                           | 0.55               | 22.07      | 0.161    | 1.00      | Pass    |
|                   |              |           | RB100#0               | 21.48                           | 0.55               | 22.03      | 0.160    | 1.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.64                           | 0.55               | 22.19      | 0.166    | 1.00      | Pass    |
|                   |              |           | RB1#50                | 22.16                           | 0.55               | 22.71      | 0.187    | 1.00      | Pass    |
|                   |              |           | RB1#99                | 21.55                           | 0.55               | 22.10      | 0.162    | 1.00      | Pass    |
|                   |              |           | RB50#0                | 20.47                           | 0.55               | 21.02      | 0.126    | 1.00      | Pass    |
|                   |              |           | RB50#25               | 20.59                           | 0.55               | 21.14      | 0.130    | 1.00      | Pass    |
|                   |              |           | RB50#50               | 20.64                           | 0.55               | 21.19      | 0.132    | 1.00      | Pass    |
|                   |              |           | RB100#0               | 20.54                           | 0.55               | 21.09      | 0.129    | 1.00      | Pass    |
|                   |              | QPSK      | RB1#0                 | 22.07                           | 0.55               | 22.62      | 0.183    | 1.00      | Pass    |
|                   |              |           | RB1#50                | 22.47                           | 0.55               | 23.02      | 0.200    | 1.00      | Pass    |
|                   |              |           | RB1#99                | 21.95                           | 0.55               | 22.50      | 0.178    | 1.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.07                           | 0.55               | 22.62      | 0.183    | 1.00      | Pass    |
|                   |              |           | RB1#50                | 22.47                           | 0.55               | 23.02      | 0.200    | 1.00      | Pass    |
|                   |              |           | RB1#99                | 21.95                           | 0.55               | 22.50      | 0.178    | 1.00      | 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 BAND66</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB50#0                | 21.38                           | 0.55               | 21.93      | 0.156    | 1.00      | Pass    |
|                   |              |           | RB50#25               | 21.34                           | 0.55               | 21.89      | 0.155    | 1.00      | Pass    |
|                   |              |           | RB50#50               | 21.11                           | 0.55               | 21.66      | 0.147    | 1.00      | Pass    |
|                   |              |           | RB100#0               | 21.26                           | 0.55               | 21.81      | 0.152    | 1.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.46                           | 0.55               | 22.01      | 0.159    | 1.00      | Pass    |
|                   |              |           | RB1#50                | 21.93                           | 0.55               | 22.48      | 0.177    | 1.00      | Pass    |
|                   |              |           | RB1#99                | 21.42                           | 0.55               | 21.97      | 0.157    | 1.00      | Pass    |
|                   |              |           | RB50#0                | 20.47                           | 0.55               | 21.02      | 0.126    | 1.00      | Pass    |
|                   |              |           | RB50#25               | 20.44                           | 0.55               | 20.99      | 0.126    | 1.00      | Pass    |
|                   |              |           | RB50#50               | 20.2                            | 0.55               | 20.75      | 0.119    | 1.00      | Pass    |
|                   |              |           | RB100#0               | 20.37                           | 0.55               | 20.92      | 0.124    | 1.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 21.81                           | 0.55               | 22.36      | 0.172    | 1.00      | Pass    |
|                   |              |           | RB1#50                | 22.26                           | 0.55               | 22.81      | 0.191    | 1.00      | Pass    |
|                   |              |           | RB1#99                | 21.7                            | 0.55               | 22.25      | 0.168    | 1.00      | Pass    |
|                   |              |           | RB50#0                | 21.14                           | 0.55               | 21.69      | 0.148    | 1.00      | Pass    |
|                   |              |           | RB50#25               | 21.15                           | 0.55               | 21.70      | 0.148    | 1.00      | Pass    |
|                   |              |           | RB50#50               | 21.13                           | 0.55               | 21.68      | 0.147    | 1.00      | Pass    |
|                   |              |           | RB100#0               | 21.11                           | 0.55               | 21.66      | 0.147    | 1.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.3                            | 0.55               | 21.85      | 0.153    | 1.00      | Pass    |
|                   |              |           | RB1#50                | 21.67                           | 0.55               | 22.22      | 0.167    | 1.00      | Pass    |
|                   |              |           | RB1#99                | 21.07                           | 0.55               | 21.62      | 0.145    | 1.00      | Pass    |
|                   |              |           | RB50#0                | 20.15                           | 0.55               | 20.70      | 0.117    | 1.00      | Pass    |
|                   |              |           | RB50#25               | 20.25                           | 0.55               | 20.80      | 0.120    | 1.00      | Pass    |
|                   |              |           | RB50#50               | 20.18                           | 0.55               | 20.73      | 0.118    | 1.00      | Pass    |
|                   |              |           | RB100#0               | 20.15                           | 0.55               | 20.70      | 0.117    | 1.00      | 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 13dB. 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-SZ25540276-501 Data Part 1.pdf”.

### WCDMA Mode Test Data

| Test Band | Test Channel | Peak to Average Ratio (dB) | Limit (dB) | Verdict Note2 |
|-----------|--------------|----------------------------|------------|---------------|
| Band 2    | LCH          | 3.05                       | 13         | Pass          |
|           | MCH          | 3.14                       | 13         | Pass          |
|           | HCH          | 3.19                       | 13         | Pass          |
| Band 4    | LCH          | 2.91                       | 13         | Pass          |
|           | MCH          | 2.72                       | 13         | Pass          |
|           | HCH          | 3.05                       | 13         | Pass          |
| Band 5    | LCH          | 2.91                       | 13         | Pass          |
|           | MCH          | 2.95                       | 13         | Pass          |
|           | HCH          | 2.95                       | 13         | Pass          |

### LTE Mode Test Data

| Test Band  | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Peak to Average Ratio (dB) | Limit (dB) | Verdict Note2 |
|------------|----------------|--------------|-----------|-----------------------|----------------------------|------------|---------------|
| LTE Band 2 | 20 MHz         | LCH          | QPSK      | RB1#0                 | 4.92                       | 13         | Pass          |
|            |                |              |           | RB100#0               | 5.53                       | 13         | Pass          |
|            |                |              | 16-QAM    | RB1#0                 | 5.48                       | 13         | Pass          |
|            |                |              |           | RB100#0               | 6.28                       | 13         | Pass          |
|            |                | MCH          | QPSK      | RB1#0                 | 5.44                       | 13         | Pass          |
|            |                |              |           | RB100#0               | 5.72                       | 13         | Pass          |
|            |                |              | 16-QAM    | RB1#0                 | 6.19                       | 13         | Pass          |
|            |                |              |           | RB100#0               | 6.47                       | 13         | Pass          |
|            |                | HCH          | QPSK      | RB1#0                 | 4.64                       | 13         | Pass          |
|            |                |              |           | RB100#0               | 5.72                       | 13         | Pass          |
|            |                |              | 16-QAM    | RB1#0                 | 5.62                       | 13         | Pass          |
|            |                |              |           | RB100#0               | 6.37                       | 13         | Pass          |
| LTE Band 4 | 20 MHz         | LCH          | QPSK      | RB1#0                 | 4.73                       | 13         | Pass          |
|            |                |              |           | RB100#0               | 5.44                       | 13         | Pass          |
|            |                |              | 16-QAM    | RB1#0                 | 5.34                       | 13         | Pass          |
|            |                |              |           | RB100#0               | 6.19                       | 13         | Pass          |
|            |                | MCH          | QPSK      | RB1#0                 | 4.59                       | 13         | Pass          |
|            |                |              |           | RB100#0               | 5.3                        | 13         | Pass          |
|            |                |              | 16-QAM    | RB1#0                 | 5.39                       | 13         | Pass          |

| Test Band   | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Peak to Average Ratio (dB) | Limit (dB) | Verdict Note2 |
|-------------|----------------|--------------|-----------|-----------------------|----------------------------|------------|---------------|
|             |                | HCH          | QPSK      | RB100#0               | 6.05                       | 13         | Pass          |
|             |                |              |           | RB1#0                 | 4.5                        | 13         | Pass          |
|             |                |              | 16-QAM    | RB100#0               | 5.48                       | 13         | Pass          |
|             |                |              |           | RB1#0                 | 5.53                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 6.28                       | 13         | Pass          |
| LTE Band 5  | 10 MHz         | LCH          | QPSK      | RB1#0                 | 4.97                       | 13         | Pass          |
|             |                |              |           | RB50#0                | 5.48                       | 13         | Pass          |
|             |                |              | 16-QAM    | RB1#0                 | 5.86                       | 13         | Pass          |
|             |                |              |           | RB50#0                | 6.14                       | 13         | Pass          |
|             |                | MCH          | QPSK      | RB1#0                 | 4.55                       | 13         | Pass          |
|             |                |              |           | RB50#0                | 5.48                       | 13         | Pass          |
|             |                |              | 16-QAM    | RB1#0                 | 5.53                       | 13         | Pass          |
|             |                |              |           | RB50#0                | 6.23                       | 13         | Pass          |
|             |                | HCH          | QPSK      | RB1#0                 | 4.73                       | 13         | Pass          |
|             |                |              |           | RB50#0                | 5.39                       | 13         | Pass          |
|             |                |              | 16-QAM    | RB1#0                 | 5.48                       | 13         | Pass          |
|             |                |              |           | RB50#0                | 6.19                       | 13         | Pass          |
| LTE Band 7  | 20 MHz         | LCH          | QPSK      | RB1#0                 | 4.87                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 5.48                       | 13         | Pass          |
|             |                |              | 16-QAM    | RB1#0                 | 5.34                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 6.23                       | 13         | Pass          |
|             |                | MCH          | QPSK      | RB1#0                 | 4.92                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 5.44                       | 13         | Pass          |
|             |                |              | 16-QAM    | RB1#0                 | 5.72                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 6.14                       | 13         | Pass          |
|             |                | HCH          | QPSK      | RB1#0                 | 4.69                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 5.44                       | 13         | Pass          |
|             |                |              | 16-QAM    | RB1#0                 | 5.95                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 6.14                       | 13         | Pass          |
| LTE Band 12 | 10 MHz         | LCH          | QPSK      | RB1#0                 | 5.3                        | 13         | Pass          |
|             |                |              |           | RB50#0                | 5.77                       | 13         | Pass          |
|             |                |              | 16-QAM    | RB1#0                 | 6.14                       | 13         | Pass          |
|             |                |              |           | RB50#0                | 6.37                       | 13         | Pass          |
|             |                | MCH          | QPSK      | RB1#0                 | 5.39                       | 13         | Pass          |
|             |                |              |           | RB50#0                | 5.62                       | 13         | Pass          |
|             |                |              | 16-QAM    | RB1#0                 | 6.33                       | 13         | Pass          |
|             |                |              |           | RB50#0                | 6.33                       | 13         | Pass          |
|             |                | HCH          | QPSK      | RB1#0                 | 4.69                       | 13         | Pass          |
|             |                |              |           | RB50#0                | 5.34                       | 13         | Pass          |

| Test Band            | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Peak to Average Ratio (dB) | Limit (dB) | Verdict Note2 |
|----------------------|----------------|--------------|-----------|-----------------------|----------------------------|------------|---------------|
| LTE Band 17          | 10 MHz         | LCH          | 16-QAM    | RB1#0                 | 5.39                       | 13         | Pass          |
|                      |                |              |           | RB50#0                | 6.19                       | 13         | Pass          |
|                      |                |              | QPSK      | RB1#0                 | 5.3                        | 13         | Pass          |
|                      |                |              |           | RB50#0                | 5.48                       | 13         | Pass          |
|                      |                | MCH          | 16-QAM    | RB1#0                 | 6.14                       | 13         | Pass          |
|                      |                |              |           | RB50#0                | 6.19                       | 13         | Pass          |
|                      |                |              | QPSK      | RB1#0                 | 5.06                       | 13         | Pass          |
|                      |                |              |           | RB50#0                | 5.39                       | 13         | Pass          |
|                      |                |              | 16-QAM    | RB1#0                 | 6                          | 13         | Pass          |
|                      |                |              |           | RB50#0                | 6.19                       | 13         | Pass          |
|                      |                | HCH          | QPSK      | RB1#0                 | 4.69                       | 13         | Pass          |
|                      |                |              |           | RB50#0                | 5.39                       | 13         | Pass          |
|                      |                |              | 16-QAM    | RB1#0                 | 5.39                       | 13         | Pass          |
|                      |                |              |           | RB50#0                | 6.19                       | 13         | Pass          |
| LTE Band 26 (Part22) | 15 MHz         | LCH          | QPSK      | RB1#0                 | 4.55                       | 13         | Pass          |
|                      |                |              |           | RB75#0                | 5.53                       | 13         | Pass          |
|                      |                |              | 16-QAM    | RB1#0                 | 5.39                       | 13         | Pass          |
|                      |                |              |           | RB75#0                | 6.05                       | 13         | Pass          |
|                      |                | MCH          | QPSK      | RB1#0                 | 4.27                       | 13         | Pass          |
|                      |                |              |           | RB75#0                | 5.48                       | 13         | Pass          |
|                      |                |              | 16-QAM    | RB1#0                 | 5.2                        | 13         | Pass          |
|                      |                |              |           | RB75#0                | 6.09                       | 13         | Pass          |
|                      |                | HCH          | QPSK      | RB1#0                 | 4.17                       | 13         | Pass          |
|                      |                |              |           | RB75#0                | 5.39                       | 13         | Pass          |
|                      |                |              | 16-QAM    | RB1#0                 | 4.92                       | 13         | Pass          |
|                      |                |              |           | RB75#0                | 6                          | 13         | Pass          |
| LTE Band 26 (Part90) | 10 MHz         | MCH          | QPSK      | RB1#0                 | 3.84                       | 13         | Pass          |
|                      |                |              |           | RB50#0                | 5.2                        | 13         | Pass          |
|                      |                |              | 16-QAM    | RB1#0                 | 4.78                       | 13         | Pass          |
|                      |                |              |           | RB50#0                | 5.91                       | 13         | Pass          |
| LTE Band 38          | 20 MHz         | LCH          | QPSK      | RB1#0                 | 8.58                       | 13         | Pass          |
|                      |                |              |           | RB100#0               | 9.09                       | 13         | Pass          |
|                      |                |              | 16-QAM    | RB1#0                 | 9.14                       | 13         | Pass          |
|                      |                |              |           | RB100#0               | 9.75                       | 13         | Pass          |
|                      |                | MCH          | QPSK      | RB1#0                 | 8.77                       | 13         | Pass          |
|                      |                |              |           | RB100#0               | 9.05                       | 13         | Pass          |
|                      |                |              | 16-QAM    | RB1#0                 | 9.37                       | 13         | Pass          |
|                      |                |              |           | RB100#0               | 9.7                        | 13         | Pass          |
|                      |                | HCH          | QPSK      | RB1#0                 | 8.67                       | 13         | Pass          |
|                      |                |              |           | RB1#0                 | 8.67                       | 13         | Pass          |

| Test Band   | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Peak to Average Ratio (dB) | Limit (dB) | Verdict Note2 |
|-------------|----------------|--------------|-----------|-----------------------|----------------------------|------------|---------------|
| LTE Band 41 | 20 MHz         |              | 16-QAM    | RB100#0               | 9.09                       | 13         | Pass          |
|             |                |              |           | RB1#0                 | 9.28                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 9.7                        | 13         | Pass          |
|             |                | LCH          | QPSK      | RB1#0                 | 8.44                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 9.09                       | 13         | Pass          |
|             |                |              | 16-QAM    | RB1#0                 | 9.14                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 9.8                        | 13         | Pass          |
|             |                | MCH          | QPSK      | RB1#0                 | 8.72                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 9.09                       | 13         | Pass          |
|             |                |              | 16-QAM    | RB1#0                 | 9.33                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 9.7                        | 13         | Pass          |
| LTE Band 66 | 20 MHz         | LCH          | QPSK      | RB1#0                 | 4.64                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 5.44                       | 13         | Pass          |
|             |                |              | 16-QAM    | RB1#0                 | 5.25                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 6.19                       | 13         | Pass          |
|             |                | MCH          | QPSK      | RB1#0                 | 4.45                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 5.53                       | 13         | Pass          |
|             |                |              | 16-QAM    | RB1#0                 | 5.3                        | 13         | Pass          |
|             |                |              |           | RB100#0               | 6.28                       | 13         | Pass          |
|             |                | HCH          | QPSK      | RB1#0                 | 5.2                        | 13         | Pass          |
|             |                |              |           | RB100#0               | 5.58                       | 13         | Pass          |
|             |                |              | 16-QAM    | RB1#0                 | 6.33                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 6.28                       | 13         | 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-SZ2540276-501 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) | Verdict<br>Note2 |
|--------------|--------------|------------------------------------------------|---------------------------------------------------|------------------|
| GSM 850      | LCH          | 0.246                                          | 0.31                                              | Pass             |
|              | MCH          | 0.245                                          | 0.317                                             | Pass             |
|              | HCH          | 0.244                                          | 0.314                                             | Pass             |
| GSM 1900     | LCH          | 0.245                                          | 0.314                                             | Pass             |
|              | MCH          | 0.249                                          | 0.311                                             | Pass             |
|              | HCH          | 0.246                                          | 0.309                                             | Pass             |
| EGPRS 850    | LCH          | 0.247                                          | 0.315                                             | Pass             |
|              | MCH          | 0.249                                          | 0.308                                             | Pass             |
|              | HCH          | 0.249                                          | 0.313                                             | Pass             |
| EGPRS 1900   | LCH          | 0.26                                           | 0.324                                             | Pass             |
|              | MCH          | 0.256                                          | 0.319                                             | Pass             |
|              | HCH          | 0.26                                           | 0.316                                             | Pass             |
| WCDMA Band 2 | LCH          | 4.154                                          | 4.71                                              | Pass             |
|              | MCH          | 4.157                                          | 4.71                                              | Pass             |
|              | HCH          | 4.169                                          | 4.804                                             | Pass             |
| WCDMA Band 4 | LCH          | 4.155                                          | 4.717                                             | Pass             |
|              | MCH          | 4.16                                           | 4.731                                             | Pass             |
|              | HCH          | 4.151                                          | 4.703                                             | Pass             |
| WCDMA Band 5 | LCH          | 4.158                                          | 4.727                                             | Pass             |
|              | MCH          | 4.156                                          | 4.717                                             | Pass             |
|              | HCH          | 4.153                                          | 4.712                                             | Pass             |

## 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) | Verdict Note2 |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|---------------|
| Band 2    | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.085                                 | 1.269                                    | Pass          |
|           |                |              | 16-QAM    | RB6#0                 | 1.092                                 | 1.296                                    | Pass          |
|           |                | MCH          | QPSK      | RB6#0                 | 1.092                                 | 1.284                                    | Pass          |
|           |                |              | 16-QAM    | RB6#0                 | 1.082                                 | 1.263                                    | Pass          |
|           |                | HCH          | QPSK      | RB6#0                 | 1.088                                 | 1.276                                    | Pass          |
|           |                |              | 16-QAM    | RB6#0                 | 1.087                                 | 1.269                                    | Pass          |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.685                                 | 2.896                                    | Pass          |
|           |                |              | 16-QAM    | RB15#0                | 2.684                                 | 2.929                                    | Pass          |
|           |                | MCH          | QPSK      | RB15#0                | 2.687                                 | 2.911                                    | Pass          |
|           |                |              | 16-QAM    | RB15#0                | 2.688                                 | 2.916                                    | Pass          |
|           |                | HCH          | QPSK      | RB15#0                | 2.688                                 | 2.92                                     | Pass          |
|           |                |              | 16-QAM    | RB15#0                | 2.684                                 | 2.911                                    | Pass          |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.488                                 | 4.896                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.479                                 | 4.904                                    | Pass          |
|           |                | MCH          | QPSK      | RB25#0                | 4.49                                  | 4.92                                     | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.496                                 | 4.911                                    | Pass          |
|           |                | HCH          | QPSK      | RB25#0                | 4.489                                 | 4.915                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.488                                 | 4.953                                    | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.956                                 | 9.793                                    | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.976                                 | 9.707                                    | Pass          |
|           |                | MCH          | QPSK      | RB50#0                | 8.955                                 | 9.749                                    | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.955                                 | 9.755                                    | Pass          |
|           |                | HCH          | QPSK      | RB50#0                | 8.982                                 | 9.815                                    | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.961                                 | 9.798                                    | Pass          |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.45                                 | 14.609                                   | Pass          |
|           |                |              | 16-QAM    | RB75#0                | 13.413                                | 14.6                                     | Pass          |
|           |                | MCH          | QPSK      | RB75#0                | 13.41                                 | 14.574                                   | Pass          |
|           |                |              | 16-QAM    | RB75#0                | 13.438                                | 14.593                                   | Pass          |
|           |                | HCH          | QPSK      | RB75#0                | 13.454                                | 14.753                                   | Pass          |
|           |                |              | 16-QAM    | RB75#0                | 13.48                                 | 14.644                                   | Pass          |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.916                                | 19.267                                   | Pass          |
|           |                |              | 16-QAM    | RB100#0               | 17.965                                | 19.316                                   | Pass          |
|           |                | MCH          | QPSK      | RB100#0               | 17.891                                | 19.332                                   | Pass          |
|           |                |              | 16-QAM    | RB100#0               | 17.912                                | 19.472                                   | Pass          |
|           |                | HCH          | QPSK      | RB100#0               | 17.979                                | 19.461                                   | Pass          |
|           |                |              | 16-QAM    | RB100#0               | 17.939                                | 19.354                                   | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Verdict Note2 |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|---------------|
| Band 4    | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.085                                 | 1.273                                    | Pass          |
|           |                |              | 16-QAM    | RB6#0                 | 1.092                                 | 1.291                                    | Pass          |
|           |                | MCH          | QPSK      | RB6#0                 | 1.086                                 | 1.282                                    | Pass          |
|           |                |              | 16-QAM    | RB6#0                 | 1.086                                 | 1.261                                    | Pass          |
|           |                | HCH          | QPSK      | RB6#0                 | 1.09                                  | 1.278                                    | Pass          |
|           |                |              | 16-QAM    | RB6#0                 | 1.086                                 | 1.268                                    | Pass          |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.687                                 | 2.91                                     | Pass          |
|           |                |              | 16-QAM    | RB15#0                | 2.683                                 | 2.923                                    | Pass          |
|           |                | MCH          | QPSK      | RB15#0                | 2.685                                 | 2.913                                    | Pass          |
|           |                |              | 16-QAM    | RB15#0                | 2.681                                 | 2.915                                    | Pass          |
|           |                | HCH          | QPSK      | RB15#0                | 2.689                                 | 2.919                                    | Pass          |
|           |                |              | 16-QAM    | RB15#0                | 2.681                                 | 2.917                                    | Pass          |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.495                                 | 4.932                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.483                                 | 4.891                                    | Pass          |
|           |                | MCH          | QPSK      | RB25#0                | 4.48                                  | 4.916                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.483                                 | 4.919                                    | Pass          |
|           |                | HCH          | QPSK      | RB25#0                | 4.486                                 | 4.893                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.489                                 | 4.969                                    | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.964                                 | 9.844                                    | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.955                                 | 9.735                                    | Pass          |
|           |                | MCH          | QPSK      | RB50#0                | 8.951                                 | 9.793                                    | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.952                                 | 9.757                                    | Pass          |
|           |                | HCH          | QPSK      | RB50#0                | 8.965                                 | 9.764                                    | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.975                                 | 9.811                                    | Pass          |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.444                                | 14.634                                   | Pass          |
|           |                |              | 16-QAM    | RB75#0                | 13.455                                | 14.601                                   | Pass          |
|           |                | MCH          | QPSK      | RB75#0                | 13.401                                | 14.549                                   | Pass          |
|           |                |              | 16-QAM    | RB75#0                | 13.422                                | 14.564                                   | Pass          |
|           |                | HCH          | QPSK      | RB75#0                | 13.401                                | 14.636                                   | Pass          |
|           |                |              | 16-QAM    | RB75#0                | 13.453                                | 14.525                                   | Pass          |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.928                                | 19.269                                   | Pass          |
|           |                |              | 16-QAM    | RB100#0               | 17.941                                | 19.336                                   | Pass          |
|           |                | MCH          | QPSK      | RB100#0               | 17.876                                | 19.325                                   | Pass          |
|           |                |              | 16-QAM    | RB100#0               | 17.885                                | 19.363                                   | Pass          |
|           |                | HCH          | QPSK      | RB100#0               | 17.893                                | 19.537                                   | Pass          |
|           |                |              | 16-QAM    | RB100#0               | 17.881                                | 19.345                                   | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Verdict Note2 |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|---------------|
| Band 5    | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.084                                 | 1.284                                    | Pass          |
|           |                |              | 16-QAM    | RB6#0                 | 1.089                                 | 1.296                                    | Pass          |
|           |                | MCH          | QPSK      | RB6#0                 | 1.087                                 | 1.303                                    | Pass          |
|           |                |              | 16-QAM    | RB6#0                 | 1.084                                 | 1.271                                    | Pass          |
|           |                | HCH          | QPSK      | RB6#0                 | 1.09                                  | 1.265                                    | Pass          |
|           |                |              | 16-QAM    | RB6#0                 | 1.089                                 | 1.268                                    | Pass          |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.686                                 | 2.908                                    | Pass          |
|           |                |              | 16-QAM    | RB15#0                | 2.683                                 | 2.923                                    | Pass          |
|           |                | MCH          | QPSK      | RB15#0                | 2.692                                 | 2.919                                    | Pass          |
|           |                |              | 16-QAM    | RB15#0                | 2.689                                 | 2.905                                    | Pass          |
|           |                | HCH          | QPSK      | RB15#0                | 2.691                                 | 2.924                                    | Pass          |
|           |                |              | 16-QAM    | RB15#0                | 2.682                                 | 2.917                                    | Pass          |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.494                                 | 4.92                                     | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.488                                 | 4.91                                     | Pass          |
|           |                | MCH          | QPSK      | RB25#0                | 4.489                                 | 4.941                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.504                                 | 4.901                                    | Pass          |
|           |                | HCH          | QPSK      | RB25#0                | 4.489                                 | 4.884                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.487                                 | 4.935                                    | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.978                                 | 9.8                                      | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.965                                 | 9.741                                    | Pass          |
|           |                | MCH          | QPSK      | RB50#0                | 8.974                                 | 9.677                                    | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.97                                  | 9.691                                    | Pass          |
|           |                | HCH          | QPSK      | RB50#0                | 8.946                                 | 9.718                                    | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.949                                 | 9.741                                    | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Verdict Note2 |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|---------------|
| Band 7    | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.5                                   | 4.962                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.48                                  | 4.875                                    | Pass          |
|           |                | MCH          | QPSK      | RB25#0                | 4.482                                 | 4.896                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.499                                 | 4.93                                     | Pass          |
|           |                | HCH          | QPSK      | RB25#0                | 4.482                                 | 4.876                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.493                                 | 4.936                                    | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.967                                 | 9.813                                    | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.976                                 | 9.723                                    | Pass          |
|           |                | MCH          | QPSK      | RB50#0                | 8.97                                  | 9.753                                    | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.96                                  | 9.715                                    | Pass          |
|           |                | HCH          | QPSK      | RB50#0                | 8.966                                 | 9.752                                    | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.96                                  | 9.782                                    | Pass          |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.457                                | 14.678                                   | Pass          |
|           |                |              | 16-QAM    | RB75#0                | 13.472                                | 14.649                                   | Pass          |
|           |                | MCH          | QPSK      | RB75#0                | 13.416                                | 14.538                                   | Pass          |
|           |                |              | 16-QAM    | RB75#0                | 13.428                                | 14.565                                   | Pass          |
|           |                | HCH          | QPSK      | RB75#0                | 13.42                                 | 14.704                                   | Pass          |
|           |                |              | 16-QAM    | RB75#0                | 13.454                                | 14.63                                    | Pass          |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.926                                | 19.274                                   | Pass          |
|           |                |              | 16-QAM    | RB100#0               | 17.926                                | 19.401                                   | Pass          |
|           |                | MCH          | QPSK      | RB100#0               | 17.947                                | 19.325                                   | Pass          |
|           |                |              | 16-QAM    | RB100#0               | 17.93                                 | 19.434                                   | Pass          |
|           |                | HCH          | QPSK      | RB100#0               | 17.945                                | 19.573                                   | Pass          |
|           |                |              | 16-QAM    | RB100#0               | 17.934                                | 19.402                                   | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Verdict Note2 |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|---------------|
| Band 12   | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.085                                 | 1.267                                    | Pass          |
|           |                |              | 16-QAM    | RB6#0                 | 1.093                                 | 1.296                                    | Pass          |
|           |                | MCH          | QPSK      | RB6#0                 | 1.089                                 | 1.288                                    | Pass          |
|           |                |              | 16-QAM    | RB6#0                 | 1.086                                 | 1.266                                    | Pass          |
|           |                | HCH          | QPSK      | RB6#0                 | 1.091                                 | 1.258                                    | Pass          |
|           |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.278                                    | Pass          |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.685                                 | 2.905                                    | Pass          |
|           |                |              | 16-QAM    | RB15#0                | 2.683                                 | 2.93                                     | Pass          |
|           |                | MCH          | QPSK      | RB15#0                | 2.688                                 | 2.896                                    | Pass          |
|           |                |              | 16-QAM    | RB15#0                | 2.69                                  | 2.915                                    | Pass          |
|           |                | HCH          | QPSK      | RB15#0                | 2.694                                 | 2.91                                     | Pass          |
|           |                |              | 16-QAM    | RB15#0                | 2.684                                 | 2.919                                    | Pass          |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.526                                 | 5.162                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.512                                 | 5.141                                    | Pass          |
|           |                | MCH          | QPSK      | RB25#0                | 4.513                                 | 5.127                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.524                                 | 5.163                                    | Pass          |
|           |                | HCH          | QPSK      | RB25#0                | 4.506                                 | 5.11                                     | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.517                                 | 5.156                                    | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 9.032                                 | 10.271                                   | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 9.021                                 | 10.08                                    | Pass          |
|           |                | MCH          | QPSK      | RB50#0                | 8.988                                 | 10.065                                   | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.994                                 | 10.112                                   | Pass          |
|           |                | HCH          | QPSK      | RB50#0                | 8.958                                 | 10.008                                   | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.953                                 | 10.02                                    | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Verdict Note2 |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|---------------|
| Band 17   | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.53                                  | 5.185                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.512                                 | 5.184                                    | Pass          |
|           |                | MCH          | QPSK      | RB25#0                | 4.503                                 | 5.129                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.518                                 | 5.177                                    | Pass          |
|           |                | HCH          | QPSK      | RB25#0                | 4.503                                 | 5.123                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.511                                 | 5.197                                    | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.982                                 | 10.134                                   | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.979                                 | 10.047                                   | Pass          |
|           |                | MCH          | QPSK      | RB50#0                | 8.962                                 | 9.977                                    | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.956                                 | 10.001                                   | Pass          |
|           |                | HCH          | QPSK      | RB50#0                | 8.955                                 | 9.965                                    | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.952                                 | 10.024                                   | Pass          |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured - 26 dB Occupied Bandwidth (MHz) | Verdict Note2 |
|------------------|----------------|--------------|-----------|-----------------------|---------------------------------------|-------------------------------------------|---------------|
| Band 18 (Part22) | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.503                                 | 5.139                                     | Pass          |
|                  |                |              | 16-QAM    | RB25#0                | 4.511                                 | 5.188                                     | Pass          |
|                  |                | MCH          | QPSK      | RB25#0                | 4.514                                 | 5.163                                     | Pass          |
|                  |                |              | 16-QAM    | RB25#0                | 4.506                                 | 5.117                                     | Pass          |
|                  |                | HCH          | QPSK      | RB25#0                | 4.51                                  | 5.15                                      | Pass          |
|                  |                |              | 16-QAM    | RB25#0                | 4.512                                 | 5.131                                     | Pass          |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured - 26 dB Occupied Bandwidth (MHz) | Verdict Note2 |
|------------------|----------------|--------------|-----------|-----------------------|---------------------------------------|-------------------------------------------|---------------|
| Band 18 (Part90) | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.504                                 | 5.154                                     | Pass          |
|                  |                |              | 16-QAM    | RB25#0                | 4.518                                 | 5.166                                     | Pass          |
|                  |                | MCH          | QPSK      | RB25#0                | 4.51                                  | 5.135                                     | Pass          |
|                  |                |              | 16-QAM    | RB25#0                | 4.51                                  | 5.119                                     | Pass          |
|                  |                | HCH          | QPSK      | RB25#0                | 4.511                                 | 5.143                                     | Pass          |
|                  |                |              | 16-QAM    | RB25#0                | 4.512                                 | 5.162                                     | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Verdict Note2 |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|---------------|
| Band 19   | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.524                                 | 5.247                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.509                                 | 5.107                                    | Pass          |
|           |                | MCH          | QPSK      | RB25#0                | 4.509                                 | 5.15                                     | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.524                                 | 5.189                                    | Pass          |
|           |                | HCH          | QPSK      | RB25#0                | 4.502                                 | 5.143                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.51                                  | 5.191                                    | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 9                                     | 10.241                                   | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 9.004                                 | 10.069                                   | Pass          |
|           |                | MCH          | QPSK      | RB50#0                | 8.969                                 | 10.021                                   | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.979                                 | 10.036                                   | Pass          |
|           |                | HCH          | QPSK      | RB50#0                | 8.988                                 | 10.086                                   | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.976                                 | 10.109                                   | Pass          |
|           | 15 MHz         | MCH          | QPSK      | RB75#0                | 13.476                                | 15.189                                   | Pass          |
|           |                |              | 16-QAM    | RB75#0                | 13.473                                | 15.018                                   | Pass          |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Verdict Note2 |
|------------------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|---------------|
| Band 26 (Part22) | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.084                                 | 1.277                                    | Pass          |
|                  |                |              | 16-QAM    | RB6#0                 | 1.092                                 | 1.293                                    | Pass          |
|                  |                | MCH          | QPSK      | RB6#0                 | 1.089                                 | 1.291                                    | Pass          |
|                  |                |              | 16-QAM    | RB6#0                 | 1.085                                 | 1.264                                    | Pass          |
|                  |                | HCH          | QPSK      | RB6#0                 | 1.09                                  | 1.276                                    | Pass          |
|                  |                |              | 16-QAM    | RB6#0                 | 1.091                                 | 1.274                                    | Pass          |
|                  | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.689                                 | 2.917                                    | Pass          |
|                  |                |              | 16-QAM    | RB15#0                | 2.684                                 | 2.906                                    | Pass          |
|                  |                | MCH          | QPSK      | RB15#0                | 2.693                                 | 2.915                                    | Pass          |
|                  |                |              | 16-QAM    | RB15#0                | 2.691                                 | 2.912                                    | Pass          |
|                  |                | HCH          | QPSK      | RB15#0                | 2.692                                 | 2.922                                    | Pass          |
|                  |                |              | 16-QAM    | RB15#0                | 2.684                                 | 2.926                                    | Pass          |
|                  | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.492                                 | 4.917                                    | Pass          |
|                  |                |              | 16-QAM    | RB25#0                | 4.487                                 | 4.888                                    | Pass          |
|                  |                | MCH          | QPSK      | RB25#0                | 4.495                                 | 4.925                                    | Pass          |
|                  |                |              | 16-QAM    | RB25#0                | 4.497                                 | 4.926                                    | Pass          |
|                  |                | HCH          | QPSK      | RB25#0                | 4.488                                 | 4.909                                    | Pass          |
|                  |                |              | 16-QAM    | RB25#0                | 4.488                                 | 4.94                                     | Pass          |
|                  | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.974                                 | 9.794                                    | Pass          |
|                  |                |              | 16-QAM    | RB50#0                | 8.965                                 | 9.733                                    | Pass          |
|                  |                | MCH          | QPSK      | RB50#0                | 8.965                                 | 9.714                                    | Pass          |
|                  |                |              | 16-QAM    | RB50#0                | 8.972                                 | 9.731                                    | Pass          |
|                  |                | HCH          | QPSK      | RB50#0                | 8.961                                 | 9.702                                    | Pass          |
|                  |                |              | 16-QAM    | RB50#0                | 8.952                                 | 9.744                                    | Pass          |
|                  | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.456                                | 14.605                                   | Pass          |
|                  |                |              | 16-QAM    | RB75#0                | 13.457                                | 14.54                                    | Pass          |
|                  |                | MCH          | QPSK      | RB75#0                | 13.436                                | 14.621                                   | Pass          |
|                  |                |              | 16-QAM    | RB75#0                | 13.446                                | 14.572                                   | Pass          |
|                  |                | HCH          | QPSK      | RB75#0                | 13.434                                | 14.613                                   | Pass          |
|                  |                |              | 16-QAM    | RB75#0                | 13.445                                | 14.635                                   | Pass          |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Verdict Note2 |
|------------------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|---------------|
| Band 26 (Part90) | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.087                                 | 1.289                                    | Pass          |
|                  |                |              | 16-QAM    | RB6#0                 | 1.092                                 | 1.303                                    | Pass          |
|                  |                | MCH          | QPSK      | RB6#0                 | 1.088                                 | 1.282                                    | Pass          |
|                  |                |              | 16-QAM    | RB6#0                 | 1.086                                 | 1.258                                    | Pass          |
|                  |                | HCH          | QPSK      | RB6#0                 | 1.088                                 | 1.278                                    | Pass          |
|                  |                |              | 16-QAM    | RB6#0                 | 1.091                                 | 1.278                                    | Pass          |
|                  | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.691                                 | 2.92                                     | Pass          |
|                  |                |              | 16-QAM    | RB15#0                | 2.687                                 | 2.933                                    | Pass          |
|                  |                | MCH          | QPSK      | RB15#0                | 2.689                                 | 2.912                                    | Pass          |
|                  |                |              | 16-QAM    | RB15#0                | 2.689                                 | 2.923                                    | Pass          |
|                  |                | HCH          | QPSK      | RB15#0                | 2.694                                 | 2.914                                    | Pass          |
|                  |                |              | 16-QAM    | RB15#0                | 2.684                                 | 2.922                                    | Pass          |
|                  | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.505                                 | 4.91                                     | Pass          |
|                  |                |              | 16-QAM    | RB25#0                | 4.491                                 | 4.881                                    | Pass          |
|                  |                | MCH          | QPSK      | RB25#0                | 4.494                                 | 4.943                                    | Pass          |
|                  |                |              | 16-QAM    | RB25#0                | 4.5                                   | 4.952                                    | Pass          |
|                  |                | HCH          | QPSK      | RB25#0                | 4.487                                 | 4.926                                    | Pass          |
|                  |                |              | 16-QAM    | RB25#0                | 4.49                                  | 4.94                                     | Pass          |
|                  | 10 MHz         | MCH          | QPSK      | RB50#0                | 8.979                                 | 9.767                                    | Pass          |
|                  |                |              | 16-QAM    | RB50#0                | 8.969                                 | 9.741                                    | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Verdict Note2 |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|---------------|
| Band 38   | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.488                                 | 5.024                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.492                                 | 5.034                                    | Pass          |
|           |                | MCH          | QPSK      | RB25#0                | 4.502                                 | 5.237                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.486                                 | 5.055                                    | Pass          |
|           |                | HCH          | QPSK      | RB25#0                | 4.495                                 | 5.051                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.489                                 | 5.04                                     | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.983                                 | 10.038                                   | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.993                                 | 10.061                                   | Pass          |
|           |                | MCH          | QPSK      | RB50#0                | 8.972                                 | 10.221                                   | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.965                                 | 9.884                                    | Pass          |
|           |                | HCH          | QPSK      | RB50#0                | 9.004                                 | 10.765                                   | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.999                                 | 10.712                                   | Pass          |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.494                                | 15.353                                   | Pass          |
|           |                |              | 16-QAM    | RB75#0                | 13.501                                | 15.528                                   | Pass          |
|           |                | MCH          | QPSK      | RB75#0                | 13.452                                | 15.419                                   | Pass          |
|           |                |              | 16-QAM    | RB75#0                | 13.526                                | 15.292                                   | Pass          |
|           |                | HCH          | QPSK      | RB75#0                | 13.437                                | 15.21                                    | Pass          |
|           |                |              | 16-QAM    | RB75#0                | 13.531                                | 16.655                                   | Pass          |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.999                                | 19.669                                   | Pass          |
|           |                |              | 16-QAM    | RB100#0               | 17.978                                | 20.439                                   | Pass          |
|           |                | MCH          | QPSK      | RB100#0               | 17.963                                | 20.219                                   | Pass          |
|           |                |              | 16-QAM    | RB100#0               | 18.011                                | 21.829                                   | Pass          |
|           |                | HCH          | QPSK      | RB100#0               | 17.974                                | 20.788                                   | Pass          |
|           |                |              | 16-QAM    | RB100#0               | 17.949                                | 19.984                                   | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Verdict Note2 |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|---------------|
| Band 41   | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.492                                 | 4.979                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.497                                 | 5.2                                      | Pass          |
|           |                | MCH          | QPSK      | RB25#0                | 4.505                                 | 5.227                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.498                                 | 5.119                                    | Pass          |
|           |                | HCH          | QPSK      | RB25#0                | 4.498                                 | 5.395                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.493                                 | 4.976                                    | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 9                                     | 10.227                                   | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.994                                 | 9.989                                    | Pass          |
|           |                | MCH          | QPSK      | RB50#0                | 8.982                                 | 10.497                                   | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.964                                 | 10.563                                   | Pass          |
|           |                | HCH          | QPSK      | RB50#0                | 9.014                                 | 10.386                                   | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 9                                     | 10.806                                   | Pass          |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.523                                | 15.257                                   | Pass          |
|           |                |              | 16-QAM    | RB75#0                | 13.506                                | 15.945                                   | Pass          |
|           |                | MCH          | QPSK      | RB75#0                | 13.452                                | 15.246                                   | Pass          |
|           |                |              | 16-QAM    | RB75#0                | 13.515                                | 15.156                                   | Pass          |
|           |                | HCH          | QPSK      | RB75#0                | 13.452                                | 15.611                                   | Pass          |
|           |                |              | 16-QAM    | RB75#0                | 13.539                                | 16.023                                   | Pass          |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 18.002                                | 20.456                                   | Pass          |
|           |                |              | 16-QAM    | RB100#0               | 17.988                                | 19.997                                   | Pass          |
|           |                | MCH          | QPSK      | RB100#0               | 17.965                                | 20.416                                   | Pass          |
|           |                |              | 16-QAM    | RB100#0               | 18.009                                | 21.514                                   | Pass          |
|           |                | HCH          | QPSK      | RB100#0               | 17.967                                | 20.835                                   | Pass          |
|           |                |              | 16-QAM    | RB100#0               | 17.925                                | 19.484                                   | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Verdict Note2 |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|---------------|
| Band 66   | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.085                                 | 1.271                                    | Pass          |
|           |                |              | 16-QAM    | RB6#0                 | 1.093                                 | 1.291                                    | Pass          |
|           |                | MCH          | QPSK      | RB6#0                 | 1.086                                 | 1.291                                    | Pass          |
|           |                |              | 16-QAM    | RB6#0                 | 1.085                                 | 1.27                                     | Pass          |
|           |                | HCH          | QPSK      | RB6#0                 | 1.086                                 | 1.276                                    | Pass          |
|           |                |              | 16-QAM    | RB6#0                 | 1.089                                 | 1.291                                    | Pass          |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.686                                 | 2.909                                    | Pass          |
|           |                |              | 16-QAM    | RB15#0                | 2.681                                 | 2.922                                    | Pass          |
|           |                | MCH          | QPSK      | RB15#0                | 2.687                                 | 2.922                                    | Pass          |
|           |                |              | 16-QAM    | RB15#0                | 2.687                                 | 2.925                                    | Pass          |
|           |                | HCH          | QPSK      | RB15#0                | 2.687                                 | 2.919                                    | Pass          |
|           |                |              | 16-QAM    | RB15#0                | 2.683                                 | 2.917                                    | Pass          |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.516                                 | 5.166                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.514                                 | 5.09                                     | Pass          |
|           |                | MCH          | QPSK      | RB25#0                | 4.504                                 | 5.206                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.515                                 | 5.159                                    | Pass          |
|           |                | HCH          | QPSK      | RB25#0                | 4.502                                 | 5.139                                    | Pass          |
|           |                |              | 16-QAM    | RB25#0                | 4.516                                 | 5.19                                     | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.995                                 | 10.474                                   | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.977                                 | 10.018                                   | Pass          |
|           |                | MCH          | QPSK      | RB50#0                | 8.976                                 | 10.065                                   | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.971                                 | 9.994                                    | Pass          |
|           |                | HCH          | QPSK      | RB50#0                | 8.992                                 | 10.148                                   | Pass          |
|           |                |              | 16-QAM    | RB50#0                | 8.991                                 | 10.092                                   | Pass          |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.495                                | 15.101                                   | Pass          |
|           |                |              | 16-QAM    | RB75#0                | 13.491                                | 15.01                                    | Pass          |
|           |                | MCH          | QPSK      | RB75#0                | 13.438                                | 14.952                                   | Pass          |
|           |                |              | 16-QAM    | RB75#0                | 13.455                                | 14.896                                   | Pass          |
|           |                | HCH          | QPSK      | RB75#0                | 13.452                                | 15.19                                    | Pass          |
|           |                |              | 16-QAM    | RB75#0                | 13.493                                | 14.984                                   | Pass          |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.923                                | 19.585                                   | Pass          |
|           |                |              | 16-QAM    | RB100#0               | 17.958                                | 19.7                                     | Pass          |
|           |                | MCH          | QPSK      | RB100#0               | 17.895                                | 19.592                                   | Pass          |
|           |                |              | 16-QAM    | RB100#0               | 17.93                                 | 19.811                                   | Pass          |
|           |                | HCH          | QPSK      | RB100#0               | 17.976                                | 19.903                                   | Pass          |
|           |                |              | 16-QAM    | RB100#0               | 17.962                                | 19.809                                   | Pass          |

## 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) |         |
| 3.84            | -30              | 16.1                | ±2060.5     | 17.5             | ±2091.5     | 23.2             | ±2122       | Pass    |
|                 | -20              | 19.1                |             | 15               |             | 24.6             |             |         |
|                 | -10              | 17.7                |             | 19.2             |             | 25.5             |             |         |
|                 | 0                | 15.2                |             | 22.2             |             | 21.2             |             |         |
|                 | 10               | 17                  |             | 21.2             |             | 22.5             |             |         |
|                 | 20               | 17.9                |             | 19.9             |             | 17.7             |             |         |
|                 | 25               | 15.8                |             | 23.6             |             | 20.3             |             |         |
|                 | 30               | 18.4                |             | 23               |             | 23.1             |             |         |
|                 | 40               | 17.6                |             | 14.7             |             | 21.8             |             |         |
|                 | 50               | 20.4                |             | 17.2             |             | 20               |             |         |
| 4.45            | 25               | 19.5                |             | 23.6             |             | 24.6             |             |         |
| 3.5             | 25               | 17.1                |             | 20               |             | 22.9             |             |         |

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) |         |
| 3.84            | -30              | 93.1                | ±4625.5     | 94.6            | ±4700.0     | 99.9              | ±4774.5     | Pass    |
|                 | -20              | 94.8                |             | 99.2            |             | 106               |             |         |
|                 | -10              | 96.4                |             | 95              |             | 102               |             |         |
|                 | 0                | 93.5                |             | 95.8            |             | 94.9              |             |         |
|                 | 10               | 89.1                |             | 98.9            |             | 95.9              |             |         |
|                 | 20               | 91.9                |             | 97.5            |             | 99.1              |             |         |
|                 | 25               | 93.5                |             | 98.9            |             | 104               |             |         |
|                 | 30               | 93.1                |             | 101             |             | 100               |             |         |
|                 | 40               | 94.4                |             | 98.4            |             | 102               |             |         |
|                 | 50               | 95.6                |             | 99.4            |             | 102               |             |         |
| 4.45            | 25               | 93.7                |             | 92.7            |             | 97.9              |             |         |
| 3.5             | 25               | 94.3                |             | 99.8            |             | 104               |             |         |

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| 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) |         |
| 3.84            | -30              | 7.49                | ±2060.5     | 8.1              | ±2091.5     | 10.7             | ±2122       | Pass    |
|                 | -20              | 14.9                |             | 19.3             |             | 17.6             |             |         |
|                 | -10              | 18.4                |             | 16.3             |             | 17.2             |             |         |
|                 | 0                | 15.1                |             | 14.4             |             | 16.1             |             |         |
|                 | 10               | 17                  |             | 18.3             |             | 18.2             |             |         |
|                 | 20               | 13.9                |             | 16.8             |             | 19.4             |             |         |
|                 | 25               | 17.4                |             | 16.3             |             | 16.5             |             |         |
|                 | 30               | 14.2                |             | 18.8             |             | 14.4             |             |         |
|                 | 40               | 17.1                |             | 15.2             |             | 23.2             |             |         |
|                 | 50               | 12.7                |             | 16.5             |             | 17               |             |         |
| 4.45            | 25               | 12.4                |             | 20.4             |             | 21.7             |             |         |
| 3.5             | 25               | 18.9                |             | 21.9             |             | 19.4             |             |         |

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) |         |
| 3.84            | -30              | 87.4                | ±4625.5     | 83.7            | ±4700.0     | 85.8              | ±4774.5     | Pass    |
|                 | -20              | 89.3                |             | 95.4            |             | 92.6              |             |         |
|                 | -10              | 93.7                |             | 93.6            |             | 99.5              |             |         |
|                 | 0                | 91.1                |             | 94              |             | 99.5              |             |         |
|                 | 10               | 90.7                |             | 97.2            |             | 99.6              |             |         |
|                 | 20               | 88.9                |             | 96.3            |             | 90.4              |             |         |
|                 | 25               | 87.8                |             | 98.3            |             | 95                |             |         |
|                 | 30               | 95.5                |             | 95              |             | 90.7              |             |         |
|                 | 40               | 90.8                |             | 87.5            |             | 94.4              |             |         |
|                 | 50               | 91.9                |             | 95.2            |             | 94                |             |         |
| 4.45            | 25               | 91.1                |             | 94.2            |             | 96.7              |             |         |
| 3.5             | 25               | 93.1                |             | 90.3            |             | 93.3              |             |         |

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) |         |
| 3.84            | -30              | 13.6                | ±2060.5     | 11.4             | ±2091.5     | 15.1             | ±2122       | Pass    |
|                 | -20              | 13                  |             | 11.8             |             | 16.4             |             |         |
|                 | -10              | 12.5                |             | 10.7             |             | 12               |             |         |
|                 | 0                | 9.78                |             | 10.4             |             | 16.2             |             |         |
|                 | 10               | 12.3                |             | 12.7             |             | 14.7             |             |         |
|                 | 20               | 13.7                |             | 12.7             |             | 14               |             |         |
|                 | 25               | 6.65                |             | 9.2              |             | 14.9             |             |         |
|                 | 30               | 7.88                |             | 10.4             |             | 11.5             |             |         |
|                 | 40               | 9.81                |             | 8.85             |             | 14               |             |         |
|                 | 50               | 10.5                |             | 9.88             |             | 14.7             |             |         |
| 4.45            | 25               | 13.6                |             | 14.7             |             | 14.7             |             |         |
| 3.5             | 25               | 15.3                |             | 13.8             |             | 18.5             |             |         |

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) |         |
| 3.84            | -30              | 96.8                | ±4625.5     | 99              | ±4700.0     | 110               | ±4774.5     | Pass    |
|                 | -20              | 99.1                |             | 93.3            |             | 113               |             |         |
|                 | -10              | 90.7                |             | 98.5            |             | 107               |             |         |
|                 | 0                | 96.1                |             | 97.2            |             | 102               |             |         |
|                 | 10               | 92.6                |             | 93.6            |             | 99                |             |         |
|                 | 20               | 101                 |             | 105             |             | 108               |             |         |
|                 | 25               | 96.6                |             | 92.1            |             | 106               |             |         |
|                 | 30               | 94.7                |             | 102             |             | 111               |             |         |
|                 | 40               | 98.6                |             | 104             |             | 103               |             |         |
|                 | 50               | 99.5                |             | 99.3            |             | 108               |             |         |
| 4.45            | 25               | 98.3                |             | 96.2            |             | 103               |             |         |
| 3.5             | 25               | 93.7                |             | 94.7            |             | 103               |             |         |

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) |         |
| 3.84            | -30              | -11.69              | ±4631       | -20.53          | ±4700       | -21.85            | ±4769       | Pass    |
|                 | -20              | -6.78               |             | -16.45          |             | -20.06            |             |         |
|                 | -10              | 1.87                |             | -12.46          |             | -20.55            |             |         |
|                 | 0                | -0.89               |             | -16.66          |             | -17.14            |             |         |
|                 | 10               | -3.43               |             | -16.66          |             | -19.89            |             |         |
|                 | 20               | -4.04               |             | -13.62          |             | -17.96            |             |         |
|                 | 25               | -0.18               |             | -14.81          |             | -15.64            |             |         |
|                 | 30               | -4.26               |             | -16.09          |             | -19.73            |             |         |
|                 | 40               | -1.84               |             | -13.34          |             | -18.41            |             |         |
|                 | 50               | 1.46                |             | -19.63          |             | -18.73            |             |         |
| 4.45            | 25               | 0.84                |             | -19.33          |             | -16.04            |             |         |
| 3.5             | 25               | -3.59               |             | -13.62          |             | -21.06            |             |         |

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) |         |
| 3.84            | -30              | -10.87              | ±4281       | -29.66            | ±4331       | -21.47            | ±4381.5     | Pass    |
|                 | -20              | -4.89               |             | -24.55            |             | -16.34            |             |         |
|                 | -10              | -4.18               |             | -21.06            |             | -16.55            |             |         |
|                 | 0                | -3.33               |             | -21.76            |             | -16.02            |             |         |
|                 | 10               | -1.77               |             | -20.92            |             | -14.07            |             |         |
|                 | 20               | 0.76                |             | -22.15            |             | -16.22            |             |         |
|                 | 25               | -2.9                |             | -21.76            |             | -12.12            |             |         |
|                 | 30               | -0.59               |             | -20.74            |             | -14.73            |             |         |
|                 | 40               | -2.16               |             | -19.45            |             | -14.64            |             |         |
|                 | 50               | 1.3                 |             | -20.41            |             | -17.64            |             |         |
| 4.45            | 25               | -1.17               |             | -21.97            |             | -13.31            |             |         |
| 3.5             | 25               | -0.8                |             | -21.34            |             | -14.61            |             |         |

WCDMA Band B5

| Test Conditions |                  | Frequency Deviation |             |                  |             |                  |             | Verdict |
|-----------------|------------------|---------------------|-------------|------------------|-------------|------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | LCH<br>826.4 MHz    |             | MCH<br>836.4 MHz |             | HCH<br>846.6 MHz |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) | Value (Hz)       | Limits (Hz) | Value (Hz)       | Limits (Hz) |         |
| 3.84            | -30              | -4.29               | ±2066       | -11.84           | ±2091       | -14.54           | ±2116.5     | Pass    |
|                 | -20              | -0.72               |             | -12.17           |             | -11.86           |             |         |
|                 | -10              | -1.48               |             | -16.26           |             | -14.28           |             |         |
|                 | 0                | -2.52               |             | -12.43           |             | -14.23           |             |         |
|                 | 10               | -3.52               |             | -13.09           |             | -15.64           |             |         |
|                 | 20               | 0.31                |             | -9.76            |             | -13.09           |             |         |
|                 | 25               | -4.11               |             | -15.24           |             | -12.77           |             |         |
|                 | 30               | -0.62               |             | -15.39           |             | -14.15           |             |         |
|                 | 40               | 0.01                |             | -10.93           |             | -15.87           |             |         |
|                 | 50               | -12.14              |             | -17.91           |             | -18.31           |             |         |
| 4.45            | 25               | -5.08               |             | -13.27           |             | -15.94           |             |         |
| 3.5             | 25               | 0.28                |             | -14.18           |             | -13.01           |             |         |

LTE Band 2 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1880 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.84            | -30              | -5.26               | ±4700       | Pass    |
|                 | -20              | 1.07                |             |         |
|                 | -10              | -7.77               |             |         |
|                 | 0                | -6.72               |             |         |
|                 | 10               | -5.84               |             |         |
|                 | 20               | -8.01               |             |         |
|                 | 25               | -11.32              |             |         |
|                 | 30               | -8.31               |             |         |
|                 | 40               | -6.04               |             |         |
|                 | 50               | -1.6                |             |         |
| 4.45            | 25               | -4.89               |             |         |
| 3.5             | 25               | 0.54                |             |         |

LTE Band 2 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1880 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.84            | -30              | -9.18               | ±4700       | Pass    |
|                 | -20              | -6.87               |             |         |
|                 | -10              | -9.3                |             |         |
|                 | 0                | -10.5               |             |         |
|                 | 10               | -6.57               |             |         |
|                 | 20               | -9.51               |             |         |
|                 | 25               | -10.27              |             |         |
|                 | 30               | -10.39              |             |         |
|                 | 40               | -11.4               |             |         |
|                 | 50               | -8.28               |             |         |
| 4.45            | 25               | -6.68               |             |         |
| 3.5             | 25               | -5.72               |             |         |

LTE Band 4 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1732.5 MHz   |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.84            | -30              | -4.48               | ±4331.25    | Pass    |
|                 | -20              | -3.85               |             |         |
|                 | -10              | -3.62               |             |         |
|                 | 0                | -7.31               |             |         |
|                 | 10               | -5.61               |             |         |
|                 | 20               | -3.88               |             |         |
|                 | 25               | -5.71               |             |         |
|                 | 30               | -2.19               |             |         |
|                 | 40               | -2.03               |             |         |
|                 | 50               | -4.86               |             |         |
| 4.45            | 25               | -3.52               |             |         |
| 3.5             | 25               | -2.43               |             |         |

LTE Band 4 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1732.5 MHz   |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.84            | -30              | -10.91              | ±4331.25    | Pass    |
|                 | -20              | -4.29               |             |         |
|                 | -10              | -6.31               |             |         |
|                 | 0                | -7.7                |             |         |
|                 | 10               | -7.42               |             |         |
|                 | 20               | -5.65               |             |         |
|                 | 25               | -5.75               |             |         |
|                 | 30               | -7.21               |             |         |
|                 | 40               | -4.12               |             |         |
|                 | 50               | -6.35               |             |         |
| 4.45            | 25               | -8.57               |             |         |
| 3.5             | 25               | -4.58               |             |         |

LTE Band 5 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>836.5 MHz    |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.84            | -30              | -1.79               | ±2091.25    | Pass    |
|                 | -20              | -5.18               |             |         |
|                 | -10              | -3.69               |             |         |
|                 | 0                | -4.09               |             |         |
|                 | 10               | -5.97               |             |         |
|                 | 20               | -5.97               |             |         |
|                 | 25               | -7.05               |             |         |
|                 | 30               | -4.12               |             |         |
|                 | 40               | -5.41               |             |         |
|                 | 50               | -3.96               |             |         |
| 4.45            | 25               | -4.85               |             |         |
| 3.5             | 25               | -1.5                |             |         |

LTE Band 5 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>836.5 MHz    |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.84            | -30              | -4.19               | ±2091.25    | Pass    |
|                 | -20              | -5.74               |             |         |
|                 | -10              | -5.79               |             |         |
|                 | 0                | -7.87               |             |         |
|                 | 10               | -5.21               |             |         |
|                 | 20               | -5.97               |             |         |
|                 | 25               | -5.88               |             |         |
|                 | 30               | -4.95               |             |         |
|                 | 40               | -7.4                |             |         |
|                 | 50               | -3.73               |             |         |
| 4.45            | 25               | -3.93               |             |         |
| 3.5             | 25               | -2.36               |             |         |

LTE Band 7 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2535 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.84            | -30              | -1.53               | ±6337.5     | Pass    |
|                 | -20              | -2.03               |             |         |
|                 | -10              | -2.72               |             |         |
|                 | 0                | -3.15               |             |         |
|                 | 10               | -4.58               |             |         |
|                 | 20               | -2.75               |             |         |
|                 | 25               | -6.61               |             |         |
|                 | 30               | -3.49               |             |         |
|                 | 40               | -5.18               |             |         |
|                 | 50               | -5.94               |             |         |
| 4.45            | 25               | -7.05               |             |         |
| 3.5             | 25               | -7.47               |             |         |

LTE Band 7 16-QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2535 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.84            | -30              | -11.74              | ±6337.5     | Pass    |
|                 | -20              | -7.9                |             |         |
|                 | -10              | -5.72               |             |         |
|                 | 0                | -4.12               |             |         |
|                 | 10               | -7.18               |             |         |
|                 | 20               | -10.34              |             |         |
|                 | 25               | -7.55               |             |         |
|                 | 30               | -8.78               |             |         |
|                 | 40               | -11.53              |             |         |
|                 | 50               | -17.62              |             |         |
| 4.45            | 25               | -10.01              |             |         |
| 3.5             | 25               | -9.26               |             |         |

LTE Band 12 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>707.5 MHz    |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.84            | -30              | -3.36               | ±1768.75    | Pass    |
|                 | -20              | -6.07               |             |         |
|                 | -10              | -3.62               |             |         |
|                 | 0                | -0.63               |             |         |
|                 | 10               | -1.82               |             |         |
|                 | 20               | -2.86               |             |         |
|                 | 25               | -4.28               |             |         |
|                 | 30               | -5.04               |             |         |
|                 | 40               | -3.38               |             |         |
|                 | 50               | -4.76               |             |         |
| 4.45            | 25               | -3.35               |             |         |
| 3.5             | 25               | -3.56               |             |         |

LTE Band 12 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>707.5 MHz    |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.84            | -30              | -5.51               | ±1768.75    | Pass    |
|                 | -20              | -6.54               |             |         |
|                 | -10              | -6.39               |             |         |
|                 | 0                | -3.55               |             |         |
|                 | 10               | -5.04               |             |         |
|                 | 20               | -6.82               |             |         |
|                 | 25               | -6.9                |             |         |
|                 | 30               | -6.77               |             |         |
|                 | 40               | -5.21               |             |         |
|                 | 50               | -4.89               |             |         |
| 4.45            | 25               | -4.82               |             |         |
| 3.5             | 25               | -2.8                |             |         |

LTE Band 17 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>710 MHz      |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.84            | -30              | -3.93               | ±1775       | Pass    |
|                 | -20              | -6.38               |             |         |
|                 | -10              | -3.26               |             |         |
|                 | 0                | -3.81               |             |         |
|                 | 10               | -7.01               |             |         |
|                 | 20               | -4.01               |             |         |
|                 | 25               | -4.61               |             |         |
|                 | 30               | -2.92               |             |         |
|                 | 40               | -4.48               |             |         |
|                 | 50               | -2.03               |             |         |
| 4.45            | 25               | -3.96               |             |         |
| 3.5             | 25               | -2.63               |             |         |

LTE Band 17 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>710 MHz      |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.84            | -30              | -5.51               | ±1775       | Pass    |
|                 | -20              | -6.08               |             |         |
|                 | -10              | -3.06               |             |         |
|                 | 0                | -8.84               |             |         |
|                 | 10               | -5.16               |             |         |
|                 | 20               | -9.73               |             |         |
|                 | 25               | -6.71               |             |         |
|                 | 30               | -4.66               |             |         |
|                 | 40               | -7.65               |             |         |
|                 | 50               | -4.43               |             |         |
| 4.45            | 25               | -7.6                |             |         |
| 3.5             | 25               | -1.82               |             |         |

LTE Band 26 (Part90) QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>819 MHz      |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.84            | -30              | -0.26               | ±2047.5     | Pass    |
|                 | -20              | -0.11               |             |         |
|                 | -10              | -2.39               |             |         |
|                 | 0                | -0.97               |             |         |
|                 | 10               | -5.35               |             |         |
|                 | 20               | -1.49               |             |         |
|                 | 25               | -4.23               |             |         |
|                 | 30               | -1.79               |             |         |
|                 | 40               | -3.06               |             |         |
|                 | 50               | -2.37               |             |         |
| 4.45            | 25               | -3.15               |             |         |
| 3.5             | 25               | -0.92               |             |         |

LTE Band 26 (Part90) 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>819 MHz      |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.84            | -30              | -8.3                | ±2047.5     | Pass    |
|                 | -20              | -7.85               |             |         |
|                 | -10              | -5.99               |             |         |
|                 | 0                | -6.42               |             |         |
|                 | 10               | -4.73               |             |         |
|                 | 20               | -7.44               |             |         |
|                 | 25               | -6.77               |             |         |
|                 | 30               | -6.62               |             |         |
|                 | 40               | -2.06               |             |         |
|                 | 50               | -7.94               |             |         |
| 4.45            | 25               | -5.58               |             |         |
| 3.5             | 25               | -6.57               |             |         |

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) |         |
| 3.84            | -30              | -2.66               | ±2091.25    | Pass    |
|                 | -20              | -4.22               |             |         |
|                 | -10              | -7.25               |             |         |
|                 | 0                | -3.95               |             |         |
|                 | 10               | -3.68               |             |         |
|                 | 20               | -2.45               |             |         |
|                 | 25               | -5.11               |             |         |
|                 | 30               | -5.26               |             |         |
|                 | 40               | -4.69               |             |         |
|                 | 50               | -4.19               |             |         |
| 4.45            | 25               | -4.72               |             |         |
| 3.5             | 25               | -3.68               |             |         |

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) |         |
| 3.84            | -30              | -7.81               | ±2091.25    | Pass    |
|                 | -20              | -8.35               |             |         |
|                 | -10              | -3.62               |             |         |
|                 | 0                | -4.98               |             |         |
|                 | 10               | -1.8                |             |         |
|                 | 20               | -5.61               |             |         |
|                 | 25               | -3.29               |             |         |
|                 | 30               | -5.71               |             |         |
|                 | 40               | -2.07               |             |         |
|                 | 50               | -5.12               |             |         |
| 4.45            | 25               | -4.29               |             |         |
| 3.5             | 25               | -5.35               |             |         |

LTE Band 38 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2595 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.84            | -30              | -1.43               | ±6487.5     | Pass    |
|                 | -20              | -8.55               |             |         |
|                 | -10              | -7.32               |             |         |
|                 | 0                | -4.23               |             |         |
|                 | 10               | -7.1                |             |         |
|                 | 20               | -5.18               |             |         |
|                 | 25               | -6.97               |             |         |
|                 | 30               | -4.56               |             |         |
|                 | 40               | -7.24               |             |         |
|                 | 50               | -7.7                |             |         |
| 4.45            | 25               | -6.98               |             |         |
| 3.5             | 25               | -6.61               |             |         |

LTE Band 38 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2595 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.84            | -30              | -14.99              | ±6487.5     | Pass    |
|                 | -20              | -10.7               |             |         |
|                 | -10              | -13.05              |             |         |
|                 | 0                | -13.35              |             |         |
|                 | 10               | -12                 |             |         |
|                 | 20               | -12.9               |             |         |
|                 | 25               | -12.39              |             |         |
|                 | 30               | -16.62              |             |         |
|                 | 40               | -10.94              |             |         |
|                 | 50               | -12.17              |             |         |
| 4.45            | 25               | -11.53              |             |         |
| 3.5             | 25               | -13.25              |             |         |

LTE Band 41 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2593 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.84            | -30              | -3.98               | ±6482.5     | Pass    |
|                 | -20              | -5.66               |             |         |
|                 | -10              | -2.98               |             |         |
|                 | 0                | -7.15               |             |         |
|                 | 10               | -8.31               |             |         |
|                 | 20               | -3.92               |             |         |
|                 | 25               | -7.88               |             |         |
|                 | 30               | -6.52               |             |         |
|                 | 40               | -5.91               |             |         |
|                 | 50               | -5.98               |             |         |
| 4.45            | 25               | -6.27               |             |         |
| 3.5             | 25               | -5.95               |             |         |

LTE Band 41 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2593 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.84            | -30              | -12.5               | ±6482.5     | Pass    |
|                 | -20              | -8.84               |             |         |
|                 | -10              | -12.29              |             |         |
|                 | 0                | -2.69               |             |         |
|                 | 10               | -6.08               |             |         |
|                 | 20               | -10.39              |             |         |
|                 | 25               | -12.67              |             |         |
|                 | 30               | -9.94               |             |         |
|                 | 40               | -11.89              |             |         |
|                 | 50               | -14.79              |             |         |
| 4.45            | 25               | -12.4               |             |         |
| 3.5             | 25               | -13.76              |             |         |

LTE Band 66 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1745 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.84            | -30              | -1.27               | ±4362.5     | Pass    |
|                 | -20              | -2.4                |             |         |
|                 | -10              | -2.68               |             |         |
|                 | 0                | -1.87               |             |         |
|                 | 10               | -1.92               |             |         |
|                 | 20               | -3.23               |             |         |
|                 | 25               | -1.83               |             |         |
|                 | 30               | 0.03                |             |         |
|                 | 40               | -2.47               |             |         |
|                 | 50               | -3.72               |             |         |
| 4.45            | 25               | -1.09               |             |         |
| 3.5             | 25               | -3.81               |             |         |

LTE Band 66 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1745 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.84            | -30              | -7.82               | ±4362.5     | Pass    |
|                 | -20              | -1.82               |             |         |
|                 | -10              | -7.05               |             |         |
|                 | 0                | -3.05               |             |         |
|                 | 10               | -4.15               |             |         |
|                 | 20               | -4.96               |             |         |
|                 | 25               | -3.28               |             |         |
|                 | 30               | -3.52               |             |         |
|                 | 40               | -3.39               |             |         |
|                 | 50               | -4.28               |             |         |
| 4.45            | 25               | -6.45               |             |         |
| 3.5             | 25               | -5.46               |             |         |

## 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-SZ2540276-501 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 | Verdict<br>Note3 |
|--------------|--------------|------------------|
| GSM 850      | LCH          | Pass             |
|              | MCH          | Pass             |
|              | HCH          | Pass             |
| GSM 1900     | LCH          | Pass             |
|              | MCH          | Pass             |
|              | HCH          | Pass             |
| EGPRS 850    | LCH          | Pass             |
|              | MCH          | Pass             |
|              | HCH          | Pass             |
| EGPRS 1900   | LCH          | Pass             |
|              | MCH          | Pass             |
|              | HCH          | Pass             |
| WCDMA Band 2 | LCH          | Pass             |
|              | MCH          | Pass             |
|              | HCH          | Pass             |
| WCDMA Band 4 | LCH          | Pass             |
|              | MCH          | Pass             |
|              | HCH          | Pass             |
| WCDMA Band 5 | LCH          | Pass             |
|              | MCH          | Pass             |
|              | HCH          | Pass             |

LTE Mode Test Verdict

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note3 |
|-----------|----------------|--------------|-----------|-----------------------|---------------|
| Band 2    | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 3 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 5 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note3 |
|-----------|----------------|--------------|-----------|-----------------------|---------------|
| Band 4    | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 3 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 5 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note3 |
|-----------|----------------|--------------|-----------|-----------------------|---------------|
| Band 5    | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 3 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 5 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note3 |
|-----------|----------------|--------------|-----------|-----------------------|---------------|
| Band 7    | 5 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note3 |
|-----------|----------------|--------------|-----------|-----------------------|---------------|
| Band 12   | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 3 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 5 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note3 |
|-----------|----------------|--------------|-----------|-----------------------|---------------|
| Band 17   | 5 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note3 |
|------------------|----------------|--------------|-----------|-----------------------|---------------|
| Band 26 (Part22) | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  |                | MCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  |                | HCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  | 3 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  |                | MCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  |                | HCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  | 5 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  |                | MCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  |                | HCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  | 10 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  |                | MCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  |                | HCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  | 15 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  |                | MCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  |                | HCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note3 |
|------------------|----------------|--------------|-----------|-----------------------|---------------|
| Band 26 (Part90) | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  |                | MCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  |                | HCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  | 3 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  |                | MCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  |                | HCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  | 5 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  |                | MCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  |                | HCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  | 10 MHz         | MCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note3 |
|-----------|----------------|--------------|-----------|-----------------------|---------------|
| Band 38   | 5 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note3 |
|-----------|----------------|--------------|-----------|-----------------------|---------------|
| Band 41   | 5 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note3 |
|-----------|----------------|--------------|-----------|-----------------------|---------------|
| Band 66   | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 3 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 5 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | MCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |

## A.6 Band Edge

Note 1: Test plots please refer to the document “Annex No.:BL-SZ2540276-501 Data Part 4.pdf”.

### GSM and WCDMA Mode Test Verdict

| Test Band    | Test Channel | Verdict Note1 |
|--------------|--------------|---------------|
| GSM 850      | LCH          | Pass          |
|              | HCH          | Pass          |
| GSM 1900     | LCH          | Pass          |
|              | HCH          | Pass          |
| EGPRS 850    | LCH          | Pass          |
|              | HCH          | Pass          |
| EGPRS 1900   | LCH          | Pass          |
|              | HCH          | Pass          |
| WCDMA Band 2 | LCH          | Pass          |
|              | HCH          | Pass          |
| WCDMA Band 4 | LCH          | Pass          |
|              | HCH          | Pass          |
| WCDMA Band 5 | LCH          | Pass          |
|              | HCH          | Pass          |

LTE Mode Test Verdict

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note1 |
|-----------|----------------|--------------|-----------|-----------------------|---------------|
| Band 2    | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB6#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB6#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#5                 | Pass          |
|           |                |              |           | RB6#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#5                 | Pass          |
|           |                |              |           | RB6#0                 | Pass          |
|           | 3 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB15#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB15#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#14                | Pass          |
|           |                |              |           | RB15#0                | Pass          |
|           |                |              | 16-QAM    | RB1#14                | Pass          |
|           |                |              |           | RB15#0                | Pass          |
|           | 5 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#24                | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                |              | 16-QAM    | RB1#24                | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#49                | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                |              | 16-QAM    | RB1#49                | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB75#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB75#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#74                | Pass          |
|           |                |              |           | RB75#0                | Pass          |
|           |                |              | 16-QAM    | RB1#74                | Pass          |
|           |                |              |           | RB1#74                | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note1 |
|-----------|----------------|--------------|-----------|-----------------------|---------------|
|           |                |              |           | RB75#0                | Pass          |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB100#0               | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB100#0               | Pass          |
|           |                | HCH          | QPSK      | RB1#99                | Pass          |
|           |                |              |           | RB100#0               | Pass          |
|           |                |              | 16-QAM    | RB1#99                | Pass          |
|           |                |              |           | RB100#0               | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note1 |
|-----------|----------------|--------------|-----------|-----------------------|---------------|
| Band 4    | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB6#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB6#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#5                 | Pass          |
|           |                |              |           | RB6#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#5                 | Pass          |
|           |                |              |           | RB6#0                 | Pass          |
|           | 3 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB15#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB15#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#14                | Pass          |
|           |                |              |           | RB15#0                | Pass          |
|           |                |              | 16-QAM    | RB1#14                | Pass          |
|           |                |              |           | RB15#0                | Pass          |
|           | 5 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#24                | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                |              | 16-QAM    | RB1#24                | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#49                | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                |              | 16-QAM    | RB1#49                | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB75#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB75#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#74                | Pass          |
|           |                |              |           | RB75#0                | Pass          |
|           |                |              | 16-QAM    | RB1#74                | Pass          |
|           |                |              |           | RB75#0                | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note1 |
|-----------|----------------|--------------|-----------|-----------------------|---------------|
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB100#0               | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB100#0               | Pass          |
|           |                | HCH          | QPSK      | RB1#99                | Pass          |
|           |                |              |           | RB100#0               | Pass          |
|           |                |              | 16-QAM    | RB1#99                | Pass          |
|           |                |              |           | RB100#0               | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note1 |
|-----------|----------------|--------------|-----------|-----------------------|---------------|
| Band 5    | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB6#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB6#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#5                 | Pass          |
|           |                |              |           | RB6#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#5                 | Pass          |
|           |                |              |           | RB6#0                 | Pass          |
|           | 3 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB15#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB15#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#14                | Pass          |
|           |                |              |           | RB15#0                | Pass          |
|           |                |              | 16-QAM    | RB1#14                | Pass          |
|           |                |              |           | RB15#0                | Pass          |
|           | 5 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#24                | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                |              | 16-QAM    | RB1#24                | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#49                | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                |              | 16-QAM    | RB1#49                | Pass          |
|           |                |              |           | RB50#0                | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note1 |
|-----------|----------------|--------------|-----------|-----------------------|---------------|
| Band 7    | 5 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#24                | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                |              | 16-QAM    | RB1#24                | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#49                | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                |              | 16-QAM    | RB1#49                | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB75#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB75#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#74                | Pass          |
|           |                |              |           | RB75#0                | Pass          |
|           |                |              | 16-QAM    | RB1#74                | Pass          |
|           |                |              |           | RB75#0                | Pass          |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB100#0               | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB100#0               | Pass          |
|           |                | HCH          | QPSK      | RB1#99                | Pass          |
|           |                |              |           | RB100#0               | Pass          |
|           |                |              | 16-QAM    | RB1#99                | Pass          |
|           |                |              |           | RB100#0               | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note1 |
|-----------|----------------|--------------|-----------|-----------------------|---------------|
| Band 12   | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB6#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB6#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#5                 | Pass          |
|           |                |              |           | RB6#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#5                 | Pass          |
|           |                |              |           | RB6#0                 | Pass          |
|           | 3 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB15#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB15#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#14                | Pass          |
|           |                |              |           | RB15#0                | Pass          |
|           |                |              | 16-QAM    | RB1#14                | Pass          |
|           |                |              |           | RB15#0                | Pass          |
|           | 5 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#24                | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                |              | 16-QAM    | RB1#24                | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#49                | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                |              | 16-QAM    | RB1#49                | Pass          |
|           |                |              |           | RB50#0                | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note1 |
|-----------|----------------|--------------|-----------|-----------------------|---------------|
| Band 17   | 5 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#24                | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                |              | 16-QAM    | RB1#24                | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#49                | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                |              | 16-QAM    | RB1#49                | Pass          |
|           |                |              |           | RB50#0                | Pass          |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note1 |
|------------------|----------------|--------------|-----------|-----------------------|---------------|
| Band 26 (Part22) | MH             | LCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              |           | RB6#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  |                |              |           | RB6#0                 | Pass          |
|                  |                | HCH          | QPSK      | RB1#5                 | Pass          |
|                  |                |              |           | RB6#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#5                 | Pass          |
|                  |                |              |           | RB6#0                 | Pass          |
|                  | 3 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              |           | RB15#0                | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  |                |              |           | RB15#0                | Pass          |
|                  |                | HCH          | QPSK      | RB1#14                | Pass          |
|                  |                |              |           | RB15#0                | Pass          |
|                  |                |              | 16-QAM    | RB1#14                | Pass          |
|                  |                |              |           | RB15#0                | Pass          |
|                  | 5 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              |           | RB25#0                | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  |                |              |           | RB25#0                | Pass          |
|                  |                | HCH          | QPSK      | RB1#24                | Pass          |
|                  |                |              |           | RB25#0                | Pass          |
|                  |                |              | 16-QAM    | RB1#24                | Pass          |
|                  |                |              |           | RB25#0                | Pass          |
|                  | 10 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              |           | RB50#0                | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  |                |              |           | RB50#0                | Pass          |
|                  |                | HCH          | QPSK      | RB1#49                | Pass          |
|                  |                |              |           | RB50#0                | Pass          |
|                  |                |              | 16-QAM    | RB1#49                | Pass          |
|                  |                |              |           | RB50#0                | Pass          |
|                  | 15 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              |           | RB75#0                | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  |                |              |           | RB75#0                | Pass          |
|                  |                | HCH          | QPSK      | RB1#74                | Pass          |
|                  |                |              |           | RB75#0                | Pass          |
|                  |                |              | 16-QAM    | RB1#74                | Pass          |
|                  |                |              |           | RB75#0                | Pass          |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note1 |
|------------------|----------------|--------------|-----------|-----------------------|---------------|
|                  |                |              |           | RB100#0               | Pass          |
| Band 26 (Part90) | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              |           | RB6#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  |                |              |           | RB6#0                 | Pass          |
|                  |                | HCH          | QPSK      | RB1#5                 | Pass          |
|                  |                |              |           | RB6#0                 | Pass          |
|                  |                |              | 16-QAM    | RB1#5                 | Pass          |
|                  |                |              |           | RB6#0                 | Pass          |
|                  | 3 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              |           | RB15#0                | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  |                |              |           | RB15#0                | Pass          |
|                  |                | HCH          | QPSK      | RB1#14                | Pass          |
|                  |                |              |           | RB15#0                | Pass          |
|                  |                |              | 16-QAM    | RB1#14                | Pass          |
|                  |                |              |           | RB15#0                | Pass          |
|                  | 5 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              |           | RB25#0                | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  |                |              |           | RB25#0                | Pass          |
|                  |                | HCH          | QPSK      | RB1#24                | Pass          |
|                  |                |              |           | RB25#0                | Pass          |
|                  |                |              | 16-QAM    | RB1#24                | Pass          |
|                  |                |              |           | RB25#0                | Pass          |
|                  | 10 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|                  |                |              |           | RB50#0                | Pass          |
|                  |                |              | 16-QAM    | RB1#0                 | Pass          |
|                  |                |              |           | RB50#0                | Pass          |
|                  |                | HCH          | QPSK      | RB1#49                | Pass          |
|                  |                |              |           | RB50#0                | Pass          |
|                  |                |              | 16-QAM    | RB1#49                | Pass          |
|                  |                |              |           | RB50#0                | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note1 |
|-----------|----------------|--------------|-----------|-----------------------|---------------|
| Band 38   | 5 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#24                | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                |              | 16-QAM    | RB1#24                | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#49                | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                |              | 16-QAM    | RB1#49                | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB75#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB75#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#74                | Pass          |
|           |                |              |           | RB75#0                | Pass          |
|           |                |              | 16-QAM    | RB1#74                | Pass          |
|           |                |              |           | RB75#0                | Pass          |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB100#0               | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB100#0               | Pass          |
|           |                | HCH          | QPSK      | RB1#99                | Pass          |
|           |                |              |           | RB100#0               | Pass          |
|           |                |              | 16-QAM    | RB1#99                | Pass          |
|           |                |              |           | RB100#0               | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note1 |
|-----------|----------------|--------------|-----------|-----------------------|---------------|
| Band 41   | 5 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#24                | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                |              | 16-QAM    | RB1#24                | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#49                | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                |              | 16-QAM    | RB1#49                | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB75#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB75#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#74                | Pass          |
|           |                |              |           | RB75#0                | Pass          |
|           |                |              | 16-QAM    | RB1#74                | Pass          |
|           |                |              |           | RB75#0                | Pass          |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB100#0               | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB100#0               | Pass          |
|           |                | HCH          | QPSK      | RB1#99                | Pass          |
|           |                |              |           | RB100#0               | Pass          |
|           |                |              | 16-QAM    | RB1#99                | Pass          |
|           |                |              |           | RB100#0               | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note1 |
|-----------|----------------|--------------|-----------|-----------------------|---------------|
| Band 66   | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB6#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB6#0                 | Pass          |
|           |                | HCH          | QPSK      | RB1#5                 | Pass          |
|           |                |              |           | RB6#0                 | Pass          |
|           |                |              | 16-QAM    | RB1#5                 | Pass          |
|           |                |              |           | RB6#0                 | Pass          |
|           | 3 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB15#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB15#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#14                | Pass          |
|           |                |              |           | RB15#0                | Pass          |
|           |                |              | 16-QAM    | RB1#14                | Pass          |
|           |                |              |           | RB15#0                | Pass          |
|           | 5 MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#24                | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           |                |              | 16-QAM    | RB1#24                | Pass          |
|           |                |              |           | RB25#0                | Pass          |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#49                | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           |                |              | 16-QAM    | RB1#49                | Pass          |
|           |                |              |           | RB50#0                | Pass          |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB75#0                | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB75#0                | Pass          |
|           |                | HCH          | QPSK      | RB1#74                | Pass          |
|           |                |              |           | RB75#0                | Pass          |
|           |                |              | 16-QAM    | RB1#74                | Pass          |
|           |                |              |           | RB75#0                | Pass          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note1 |
|-----------|----------------|--------------|-----------|-----------------------|---------------|
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
|           |                |              |           | RB100#0               | Pass          |
|           |                |              | 16-QAM    | RB1#0                 | Pass          |
|           |                |              |           | RB100#0               | Pass          |
|           |                | HCH          | QPSK      | RB1#99                | Pass          |
|           |                |              |           | RB100#0               | Pass          |
|           |                |              | 16-QAM    | RB1#99                | Pass          |
|           |                |              |           | RB100#0               | 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-SZ2540276-501 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 | Verdict<br>Note3 |
|--------------|--------------|------------------|
| GSM 850      | LCH          | Pass             |
|              | MCH          | Pass             |
|              | HCH          | Pass             |
| GSM 1900     | LCH          | Pass             |
|              | MCH          | Pass             |
|              | HCH          | Pass             |
| EGPRS 850    | LCH          | Pass             |
|              | MCH          | Pass             |
|              | HCH          | Pass             |
| EGPRS 1900   | LCH          | Pass             |
|              | MCH          | Pass             |
|              | HCH          | Pass             |
| WCDMA Band 2 | LCH          | Pass             |
|              | MCH          | Pass             |
|              | HCH          | Pass             |
| WCDMA Band 4 | LCH          | Pass             |
|              | MCH          | Pass             |
|              | HCH          | Pass             |
| WCDMA Band 5 | LCH          | Pass             |
|              | MCH          | Pass             |
|              | HCH          | Pass             |

LTE Mode Test Verdict

| Test Band       | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict Note3 |
|-----------------|----------------|--------------|-----------|-----------------------|---------------|
| Band 2          | 1.4MHz         | HCH          | QPSK      | RB1#0                 | Pass          |
| Band 4          | 10MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
| Band 5          | 10MHz          | MCH          | QPSK      | RB1#0                 | Pass          |
| Band 7          | 10MHz          | HCH          | QPSK      | RB1#0                 | Pass          |
| Band 12         | 1.4MHz         | LCH          | QPSK      | RB1#0                 | Pass          |
| Band 17         | 10MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
| Band 26(Part22) | 10MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
| Band 26(Part90) | 10MHz          | LCH          | QPSK      | RB1#0                 | Pass          |
| Band 38         | 10MHz          | HCH          | QPSK      | RB1#0                 | Pass          |
| Band 41         | 10MHz          | HCH          | QPSK      | RB1#0                 | Pass          |
| Band 66         | 20MHz          | LCH          | QPSK      | RB1#0                 | Pass          |

## **ANNEX B TEST SETUP PHOTOS**

Please refer to the document “BL-SZ240276-AR-1.PDF”.

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer to the document “BL-SZ2540276-AW.PDF”.

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer to the document “BL-SZ2540276-AI.PDF”.

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