



# TEST REPORT

**Applicant:** Mudita Sp. z o.o.  
**Address:** Jana Czeczota 6, 02-607 Warszawa, Poland  
**Equipment Type:** GSM/WCDMA/LTE Mobile Phone  
**Model Name:** Kompakt-NAM  
**Brand Name:** Mudita  
**FCC ID:** 2BCWI-KOMPAKT-NAM  
**ISED Number:** 31299-KOMPAKTNAM  
**Test Standard:** 47 CFR Part 2  
(Others refer to chapter 3.1)  
**Sample Arrival Date:** Dec. 20, 2024  
**Test Date:** Dec. 20, 2024 - Jan. 03, 2025  
**Date of Issue:** Mar. 05, 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>Mar. 05, 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 | <p>The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A.</p> <p>The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.</p> |

## 2 PRODUCT INFORMATION

### 2.1 Applicant Information

|           |                                          |
|-----------|------------------------------------------|
| Applicant | Mudita Sp. z o.o.                        |
| Address   | Jana Czeczota 6, 02-607 Warszawa, Poland |

### 2.2 Manufacturer Information

|              |                                          |
|--------------|------------------------------------------|
| Manufacturer | Mudita Sp. z o.o.                        |
| Address      | Jana Czeczota 6, 02-607 Warszawa, Poland |

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

|                                           |                                   |
|-------------------------------------------|-----------------------------------|
| EUT Name                                  | GSM/WCDMA/LTE Mobile Phone        |
| Model Name Under Test                     | Kompakt-NAM                       |
| Series Model Name                         | N/A                               |
| Description of Model name differentiation | N/A                               |
| Hardware Version                          | V0.3                              |
| Software Version                          | LS601B_EINK_US_2SIM_V1.0_20241213 |
| Dimensions (Approx.)                      | N/A                               |
| Weight (Approx.)                          | N/A                               |

## 2.4 Technical Information

|                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| All Network and Wireless connectivity for EUT                                                                                                                                                                                                          | 2G Network GSM/GPRS 850/1900<br>3G Network WCDMA/HSDPA/HSUPA Band 2/4/5<br>4G Network FDD LTE Band 2/4/5/7/12/13/17/18/19/25/26/66/71<br>TDD LTE Band 38/41<br>Bluetooth (BR+EDR+BLE)<br>WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20/40) and<br>802.11ac(VHT20/40/80)<br>GNSS, FM Receiver, NFC, WPT(RX Only) |
| About the Product                                                                                                                                                                                                                                      | The equipment is GSM/WCDMA/LTE Mobile Phone, intended for used with information technology equipment.                                                                                                                                                                                                          |
| Note 1:<br>The EUT is a GSM/WCDMA/LTE 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 850/1900<br>WCDMA/HSDPA/HSUPA Band 2/4/5<br>FDD LTE Band 2/4/5/7/12/13/17/18/19/25/26/66/71<br>TDD LTE Band 38/41                                                                                                                                                                                                                                                             |       |
| Modulation Type | GSM/GPRS                                                                                                                                                                                                                                                                                                                                                                               | GMSK  |
|                 | WCDMA                                                                                                                                                                                                                                                                                                                                                                                  | QPSK  |
|                 | HSDPA /HSUPA                                                                                                                                                                                                                                                                                                                                                                           | QPSK  |
|                 |                                                                                                                                                                                                                                                                                                                                                                                        | 16QAM |
|                 | LTE                                                                                                                                                                                                                                                                                                                                                                                    | QPSK  |
|                 |                                                                                                                                                                                                                                                                                                                                                                                        | 16QAM |
| Multislot Class | GPRS: 12                                                                                                                                                                                                                                                                                                                                                                               |       |
| Antenna Type    | PIFA Antenna                                                                                                                                                                                                                                                                                                                                                                           |       |
| Antenna Gain    | GSM/GPRS 850: -1.50 dBi<br>GSM/GPRS 1900: -0.15 dBi<br>WCDMA/HSDPA/HSUPA Band 2: -0.15 dBi<br>WCDMA/HSDPA/HSUPA Band 4: -0.46 dBi<br>WCDMA/HSDPA/HSUPA Band 5: -1.05 dBi<br>FDD LTE Band 2: -0.15 dBi<br>FDD LTE Band 4: -0.46 dBi<br>FDD LTE Band 5: -1.05 dBi<br>FDD LTE Band 7: -0.56 dBi<br>FDD LTE Band 12: -1.16 dBi<br>FDD LTE Band 13: -1.23 dBi<br>FDD LTE Band 17: -1.15 dBi |       |

|                                    |             | FDD LTE Band 18: -1.06 dBi<br>FDD LTE Band 19: -1.05 dBi<br>FDD LTE Band 25: 0.32 dBi<br>FDD LTE Band 26: -1.05 dBi<br>FDD LTE Band 66: -0.46 dBi<br>FDD LTE Band 71: -1.85 dBi<br>TDD LTE Band 38: -0.54 dBi<br>TDD LTE Band 41: -0.27 dBi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |
|------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| The Max RF Output Power (EIRP/ERP) |             | GSM/GPRS 850:29.99 dBm<br>GSM/GPRS 1900: 29.72 dBm<br>WCDMA/HSDPA/HSUPA Band 2: 22.46 dBm<br>WCDMA/HSDPA/HSUPA Band 4: 22.07 dBm<br>WCDMA/HSDPA/HSUPA Band 5: 19.37 dBm<br>FDD LTE Band 2: 22.65 dBm<br>FDD LTE Band 4: 22.56 dBm<br>FDD LTE Band 5: 19.28 dBm<br>FDD LTE Band 7: 22.24 dBm<br>FDD LTE Band 12: 19.22 dBm<br>FDD LTE Band 13: 19.11 dBm<br>FDD LTE Band 17: 19.39 dBm<br>FDD LTE Band 18(Part22): 19.16 dBm<br>FDD LTE Band 18(Part90): 19.09 dBm<br>FDD LTE Band 19: 19.28 dBm<br>FDD LTE Band 25: 23.53 dBm<br>FDD LTE Band 26(Part22): 19.40 dBm<br>FDD LTE Band 26(Part90): 19.35 dBm<br>FDD LTE Band 66: 22.56 dBm<br>FDD LTE Band 71: 18.86 dBm<br>TDD LTE Band 38: 22.04 dBm<br>TDD LTE Band 41: 22.51 dBm |                     |
| Band                               | Power Class | Tx Frequency Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Rx Frequency Range  |
|                                    | GMSK        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     |
| GSM850                             | 4           | 824 MHz ~ 849 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 869 MHz ~ 894 MHz   |
| GSM1900                            | 1           | 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 B13                            | 3           | 777 MHz ~ 787 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 746 MHz ~ 756 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 | 830 MHz ~ 845 MHz   | 875 MHz ~ 890 MHz   |
| LTE B25                  | 3 | 1850 MHz ~ 1915 MHz | 1930 MHz ~ 1995 MHz |
| LTE B26 <sup>Note2</sup> | 3 | 814 MHz ~ 824 MHz   | 859 MHz ~ 869 MHz   |
|                          |   | 824 MHz ~ 849 MHz   | 869 MHz ~ 894 MHz   |
| LTE B38                  | 3 | 2570 MHz ~ 2620 MHz | 2570 MHz ~ 2620 MHz |
| LTE B41                  | 3 | 2535 MHz ~ 2655 MHz | 2535 MHz ~ 2655 MHz |
| LTE B66                  | 3 | 1710 MHz ~ 1780 MHz | 2110 MHz ~ 2180 MHz |
| LTE B71                  | 3 | 663 MHz ~ 698 MHz   | 617 MHz ~ 652 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   | RSS-Gen Issue5              | General Requirements and Information for the Certification of Radio<br>Apparatus                                  |
| 7   | RSS-130 Issue2              | Equipment Operating in the Frequency Bands 617-652 MHz, 663-<br>698 MHz, 698-756 MHz and 777-787 MHz              |
| 8   | RSS-132 Issue4              | Cellular Telephone Systems Operating in the Bands 824-849 MHz<br>and 869-894 MHz                                  |
| 9   | RSS-133 Issue6              | 2 GHz Personal Communications Services                                                                            |
| 10  | RSS-139 Issue4              | Advanced Wireless Services (AWS) Equipment Operating in the<br>Bands 1710-1780 MHz and 2110-2200 MHz              |
| 11  | RSS-199 Issue4              | Broadband Radio Service (BRS) Equipment Operating in the Band<br>2500-2690 MHz                                    |
| 12  | ANSI C63.26-2015            | American National Standard for Compliance Testing of Transmitters<br>Used in Licensed Radio Services              |
| 13  | KDB 971168<br>D01 v03☆      | Measurement Guidance for Certification of Licensed Digital<br>Transmitters                                        |

### 3.2 Test Verdict

| No. | Test Description                       | FCC Part No.                                     | ISED Part No.                                                                           | Test Result                   | Test Verdict |
|-----|----------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------|--------------|
| 1   | Conducted RF Output Power              | 2.1046                                           | RSS-Gen 6.12<br>RSS-130 4.6<br>RSS-132 5.4<br>RSS-133 6.4<br>RSS-139 6.5<br>RSS-199 5.5 | Reporting only<br>(ANNEX A.1) | Pass         |
| 2   | Effective (Isotropic) Radiated Power   | 2.1046<br>22.913<br>24.232<br>27.50<br>90.635(b) | RSS-Gen 6.12<br>RSS-130 4.6<br>RSS-132 5.4<br>RSS-133 6.4<br>RSS-139 6.5<br>RSS-199 5.5 | ANNEX A.1                     | Pass         |
| 3   | Peak to Average Ratio                  | 2.1046<br>24.232(d)<br>27.50(d)                  | RSS-130 4.6<br>RSS-132 5.4<br>RSS-133 6.4<br>RSS-139 6.5<br>RSS-199 5.5                 | ANNEX A.2                     | Pass         |
| 4   | Occupied Bandwidth                     | 2.1049<br>22.917<br>24.238<br>27.53<br>90.209    | RSS-Gen 6.7                                                                             | ANNEX A.3                     | Pass         |
| 5   | Frequency Stability                    | 2.1055<br>22.355<br>24.235<br>27.54<br>90.213    | RSS-Gen 6.11<br>RSS-130 4.5<br>RSS-132 5.3<br>RSS-133 6.3<br>RSS-139 6.4<br>RSS-199 5.4 | ANNEX A.4                     | Pass         |
| 6   | Spurious Emission at Antenna Terminals | 2.1051<br>22.917<br>24.238<br>27.53<br>90.691    | RSS-Gen 6.13<br>RSS-130 4.7<br>RSS-132 5.5<br>RSS-133 6.5<br>RSS-139 6.6<br>RSS-199 5.6 | ANNEX A.5                     | Pass         |
| 7   | Band Edge                              | 2.1051<br>22.917<br>24.238<br>27.53<br>90.691    | RSS-130 4.7<br>RSS-132 5.5<br>RSS-133 6.5<br>RSS-139 6.6<br>RSS-199 5.6                 | ANNEX A.6                     | Pass         |
| 8   | Field Strength of                      | 2.1053                                           | RSS-Gen 6.13                                                                            | ANNEX A.7                     | Pass         |

| No. | Test Description                  | FCC Part No.                        | ISED Part No.                                                           | Test Result | Test Verdict |
|-----|-----------------------------------|-------------------------------------|-------------------------------------------------------------------------|-------------|--------------|
|     | Spurious Radiation                | 22.917<br>24.238<br>27.53<br>90.691 | RSS-130 4.7<br>RSS-132 5.5<br>RSS-133 6.5<br>RSS-139 6.6<br>RSS-199 5.6 |             |              |
| 9   | Receiver Spurious Emissions       | N/A                                 | RSS-Gen 7<br>RSS-133 6.6                                                | ANNEX A.8   | Pass         |
| 10  | AC Power-line Conducted Emissions | N/A                                 | RSS-Gen 8.8                                                             | ANNEX A.9   | Pass         |

## 4 GENERAL TEST CONFIGURATIONS

### 4.1 Test Environments

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

|                             |                         |                   |
|-----------------------------|-------------------------|-------------------|
| Relative Humidity           |                         | 20% to 75%        |
| Atmospheric Pressure        |                         | 98 kPa to 102 kPa |
| Test Voltage of the EUT     | NV (Normal Voltage)     | 3.8 V             |
|                             | LV (Low Voltage)        | 3.4V              |
|                             | 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 | OK2022 110401       | 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    | 800014020 757120008 | 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   |
|                                        | 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   |
| Occupied Bandwidth                     | GSM 850      | V            | V   | V   |
|                                        | GSM 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   |
|                                        | 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   |
|                                        | WCDMA Band 2 | V            | V   | V   |
|                                        | WCDMA Band 4 | V            | V   | V   |
|                                        | WCDMA Band 5 | V            | V   | V   |
| Band Edge                              | GSM 850      | V            | --  | V   |
|                                        | GSM 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   |
|                                        | WCDMA Band 2 | V            | V   | V   |
|                                        | WCDMA Band 4 | V            | V   | V   |

| Test Items | Test Mode    | Test Channel |     |     |
|------------|--------------|--------------|-----|-----|
|            |              | LCH          | MCH | HCH |
|            | 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 850  | Low Channel    | 128            | 824.2              |
|               | Middle Channel | 190            | 836.6              |
|               | High Channel   | 251            | 848.8              |
| GSM/GPRS 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   |
| 13                                   | n               | n  | 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   |
| 25                                   | v               | v  | v  | v  | v  | v  | v               | v      | v   | v    | v    | v            | v   | v   |
| 26(Part22)                           | v               | v  | v  | v  | v  | n  | v               | v      | v   | v    | v    | v            | v   | v   |
| 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   |
| 71                                   | n               | n  | 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   |
| 13                                   | n               | n  | -- | v  | n  | n  | v               | v      | v   | --   | v    | --           | v   | --  |
| 17                                   | n               | n  | -- | v  | n  | n  | v               | v      | v   | --   | v    | v            | v   | v   |
| 25                                   | --              | -- | -- | -- | -- | v  | v               | v      | v   | --   | v    | v            | v   | v   |
| 26(Part22)                           | --              | -- | -- | -- | v  | n  | v               | v      | v   | --   | v    | v            | v   | v   |
| 26(Part90)                           | --              | -- | -- | v  | -- | n  | v               | v      | v   | --   | v    | --           | v   | --  |
| 38                                   | n               | n  | -- | -- | -- | v  | v               | v      | v   | --   | v    | v            | v   | v   |
| 41                                   | n               | n  | -- | -- | -- | v  | v               | v      | v   | --   | v    | v            | v   | v   |
| 66                                   | --              | -- | -- | -- | -- | v  | v               | v      | v   | --   | v    | v            | v   | v   |
| 71                                   | n               | n  | n  | n  | n  | 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   |
| 13                                   | n               | n  | v  | v  | n  | n  | 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 |
| 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   |
| 25                                     | v               | v  | v  | v  | v  | v  | v               | v      | --  | --   | v    | v            | v   | v   |
| 26(Part22)                             | v               | v  | v  | v  | v  | n  | v               | v      | --  | --   | v    | v            | v   | v   |
| 26(Part90)                             | v               | v  | v  | v  | -- | n  | v               | v      | --  | --   | v    | v            | v   | v   |
| 38                                     | n               | n  | v  | v  | v  | v  | v               | v      | --  | --   | v    | v            | v   | v   |
| 41                                     | n               | n  | v  | v  | v  | v  | v               | v      | --  | --   | v    | v            | v   | v   |
| 66                                     | v               | v  | v  | v  | v  | v  | v               | v      | --  | --   | v    | v            | v   | v   |
| 71                                     | n               | n  | 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   | --  |
| 13                                     | n               | n  | -- | v  | n  | n  | v               | v      | --  | --   | v    | --           | v   | --  |
| 17                                     | n               | n  | -- | v  | n  | n  | v               | v      | --  | --   | v    | --           | v   | --  |
| 25                                     | --              | -- | -- | v  | -- | -- | v               | v      | --  | --   | v    | --           | v   | --  |
| 26(Part22)                             | --              | -- | -- | v  | -- | n  | v               | v      | --  | --   | v    | --           | v   | --  |
| 26(Part90)                             | --              | -- | -- | v  | -- | n  | v               | v      | --  | --   | v    | --           | v   | --  |
| 38                                     | n               | n  | -- | v  | -- | -- | v               | v      | --  | --   | v    | --           | v   | --  |
| 41                                     | n               | n  | -- | v  | -- | -- | v               | v      | --  | --   | v    | --           | v   | --  |
| 66                                     | --              | -- | -- | v  | -- | -- | v               | v      | --  | --   | v    | --           | v   | --  |
| 71                                     | n               | n  | -- | 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   |
| 13                                     | n               | n  | v  | v  | n  | n  | v               | v      | v   | --   | --   | v            | v   | v   |
| 17                                     | n               | n  | v  | v  | n  | n  | v               | v      | v   | --   | --   | v            | v   | v   |
| 25                                     | v               | v  | v  | v  | v  | v  | v               | v      | v   | --   | --   | v            | v   | v   |
| 26(Part22)                             | v               | v  | v  | v  | v  | n  | v               | v      | v   | --   | --   | v            | v   | v   |
| 26(Part90)                             | v               | v  | v  | v  | -- | n  | v               | v      | v   | --   | --   | v            | v   | v   |
| 38                                     | n               | n  | v  | v  | v  | v  | v               | v      | v   | --   | --   | v            | v   | v   |
| 41                                     | n               | n  | v  | v  | v  | v  | v               | v      | v   | --   | --   | v            | v   | v   |
| 66                                     | v               | v  | v  | v  | v  | v  | v               | v      | v   | --   | --   | v            | v   | v   |
| 71                                     | n               | n  | v  | v  | v  | v  | v               | v      | v   | --   | --   | v            | v   | v   |

| LTE<br>Band                                                               | Bandwidth (MHz) |   |   |    |    |    | Modulation Type |        | RB# |      |      | Test Channel |     |     |
|---------------------------------------------------------------------------|-----------------|---|---|----|----|----|-----------------|--------|-----|------|------|--------------|-----|-----|
|                                                                           | 1.4             | 3 | 5 | 10 | 15 | 20 | QPSK            | 16-QAM | 1   | Half | Full | LCH          | MCH | HCH |
| 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   |
| 13                                                                        | n               | n | v | v  | n  | n  | v               | v      | v   | --   | v    | v            | --  | v   |
| 17                                                                        | n               | n | v | v  | n  | n  | v               | v      | v   | --   | v    | v            | --  | v   |
| 25                                                                        | v               | v | v | v  | v  | v  | v               | v      | v   | --   | v    | v            | --  | v   |
| 26(Part22)                                                                | v               | v | v | v  | v  | n  | v               | v      | v   | --   | v    | v            | --  | v   |
| 26(Part90)                                                                | v               | v | v | v  | -- | n  | v               | v      | v   | --   | v    | v            | --  | v   |
| 38                                                                        | n               | n | v | v  | v  | v  | v               | v      | v   | --   | v    | v            | --  | v   |
| 41                                                                        | n               | n | v | v  | v  | v  | v               | v      | v   | --   | v    | v            | --  | v   |
| 66                                                                        | v               | v | v | v  | v  | v  | v               | v      | v   | --   | v    | v            | --  | v   |
| 71                                                                        | n               | n | v | v  | v  | v  | v               | v      | v   | --   | v    | v            | --  | v   |
| Field Strength of Spurious Radiation                                      |                 |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 2                                                                         | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 4                                                                         | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 5                                                                         | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 7                                                                         | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 12                                                                        | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 13                                                                        | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 17                                                                        | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 25                                                                        | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 26(Part22)                                                                | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 26(Part90)                                                                | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 38                                                                        | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 41                                                                        | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 66                                                                        | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 71                                                                        | 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 Items                                                                                                                                                   | Test Mode | Test Channel |     |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------|-----|-----|
|                                                                                                                                                              |           | LCH          | MCH | HCH |
| Receiver Spurious Emissions                                                                                                                                  | LTE B2    | --           | v   | --  |
| AC Power-line Conducted Emissions                                                                                                                            | LTE B2    | --           | v   | --  |
| Note 1: The mark “v” means that this configuration is the worst test mode for Receiver Spurious Emissions and AC Power-line Conducted Emissions measurement. |           |              |     |     |

| Test Mode  | UL Channel   | Channel Bandwidth (MHz) | UL Channel No. | UL Frequency (MHz) |
|------------|--------------|-------------------------|----------------|--------------------|
| LTE Band 2 | Low Range    | 1.4                     | 18607          | 1850.7             |
|            |              | 3                       | 18615          | 1851.5             |
|            |              | 5                       | 18625          | 1852.5             |
|            |              | 10                      | 18650          | 1855               |
|            |              | 15                      | 18675          | 1857.5             |
|            |              | 20                      | 18700          | 1860               |
|            | Middle Range | 1.4/3/5/10/15/20        | 18900          | 1880               |
|            | High Range   | 1.4                     | 19193          | 1909.3             |
|            |              | 3                       | 19185          | 1908.5             |
|            |              | 5                       | 19175          | 1907.5             |
|            |              | 10                      | 19150          | 1905               |
|            |              | 15                      | 19125          | 1902.5             |
|            |              | 20                      | 19100          | 1900               |
| LTE Band 4 | Low Range    | 1.4                     | 19957          | 1710.7             |
|            |              | 3                       | 19965          | 1711.5             |
|            |              | 5                       | 19975          | 1712.5             |
|            |              | 10                      | 20000          | 1715               |
|            |              | 15                      | 20025          | 1717.5             |
|            |              | 20                      | 20050          | 1720               |
|            | Middle Range | 1.4/3/5/10/15/20        | 20175          | 1732.5             |
|            | High Range   | 1.4                     | 20393          | 1754.3             |
|            |              | 3                       | 20385          | 1753.5             |
|            |              | 5                       | 20375          | 1752.5             |
|            |              | 10                      | 20350          | 1750               |
|            |              | 15                      | 20325          | 1747.5             |
|            |              | 20                      | 20300          | 1745               |
| LTE Band 5 | Low Range    | 1.4                     | 20407          | 824.7              |
|            |              | 3                       | 20415          | 825.5              |
|            |              | 5                       | 20425          | 826.5              |
|            |              | 10                      | 20450          | 829                |
|            | Middle Range | 1.4/3/5/10              | 20525          | 836.5              |
|            | High Range   | 1.4                     | 20643          | 848.3              |
|            |              | 3                       | 20635          | 847.5              |
|            |              | 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               |

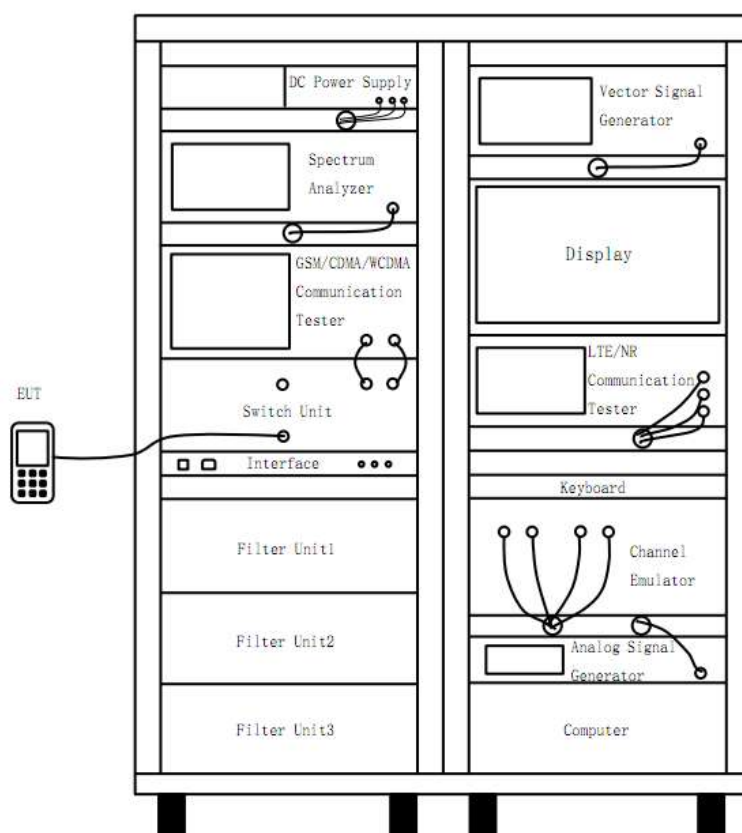
| Test Mode            | UL Channel   | Channel Bandwidth (MHz) | UL Channel No. | UL Frequency (MHz) |
|----------------------|--------------|-------------------------|----------------|--------------------|
|                      | High Range   | 5                       | 21425          | 2567.5             |
|                      |              | 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 13  | Low Range               | 5              | 23205              |
| 10                   |              |                         | 23230          | 782                |
| Middle Range         |              | 5/10                    | 23230          | 782                |
| High Range           |              | 5                       | 23255          | 784.5              |
|                      |              | 10                      | 23230          | 782                |
| 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              |
|                      | High Range   | 5                       | 24125          | 842.5              |
|                      |              | 10                      | 24100          | 840                |
|                      |              | 15                      | 24075          | 837.5              |
| LTE Band 25          | Low Range    | 1.4                     | 26047          | 1850.7             |
|                      |              | 3                       | 26055          | 1851.5             |
|                      |              | 5                       | 26065          | 1852.5             |
|                      |              | 10                      | 26090          | 1855               |
|                      |              | 15                      | 26115          | 1857.5             |

| Test Mode            | UL Channel   | Channel Bandwidth (MHz) | UL Channel No. | UL Frequency (MHz) |
|----------------------|--------------|-------------------------|----------------|--------------------|
|                      |              | 20                      | 26140          | 1860               |
|                      | Middle Range | 1.4/3/5/10/15/20        | 26365          | 1882.5             |
|                      | High Range   | 1.4                     | 26683          | 1914.3             |
|                      |              | 3                       | 26675          | 1913.5             |
|                      |              | 5                       | 26665          | 1912.5             |
|                      |              | 10                      | 26640          | 1910               |
|                      |              | 15                      | 26615          | 1907.5             |
|                      |              | 20                      | 26590          | 1905               |
| LTE Band 26 (Part22) | Low Range    | 1.4                     | 26797          | 824.7              |
|                      |              | 3                       | 26805          | 825.5              |
|                      |              | 5                       | 26815          | 826.5              |
|                      |              | 10                      | 26840          | 829                |
|                      |              | 15                      | 26865          | 831.5              |
|                      | Middle Range | 1.4/3/5/10/15           | 26915          | 836.5              |
|                      | High Range   | 1.4                     | 27033          | 848.3              |
|                      |              | 3                       | 27025          | 847.5              |
|                      |              | 5                       | 27015          | 846.5              |
|                      |              | 10                      | 26990          | 844                |
|                      |              | 15                      | 26965          | 841.5              |
| LTE Band 26 (Part90) | Low Range    | 1.4                     | 26697          | 814.7              |
|                      |              | 3                       | 26705          | 815.5              |
|                      |              | 5                       | 26715          | 816.5              |
|                      |              | 10                      | ---            | ---                |
|                      | Middle Range | 1.4/3/5/10              | 26740          | 819                |
|                      | High Range   | 1.4                     | 26783          | 823.3              |
|                      |              | 3                       | 26775          | 822.5              |
|                      |              | 5                       | 26765          | 821.5              |
|                      |              | 10                      | ---            | ---                |
|                      |              | 15                      | ---            | ---                |
| 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                       | 40065          | 2537.5             |
|                      |              | 10                      | 40090          | 2540               |
|                      |              | 15                      | 40115          | 2542.5             |
|                      |              | 20                      | 40140          | 2545               |

| Test Mode   | UL Channel   | Channel Bandwidth (MHz) | UL Channel No. | UL Frequency (MHz) |
|-------------|--------------|-------------------------|----------------|--------------------|
|             | Middle Range | 5/10/15/20              | 40640          | 2595               |
|             | High Range   | 5                       | 41215          | 2652.5             |
|             |              | 10                      | 41190          | 2650               |
|             |              | 15                      | 41165          | 2647.5             |
|             |              | 20                      | 41140          | 2645               |
| 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               |
| LTE-Band 71 | Low Range    | 5                       | 133147         | 665.5              |
|             |              | 10                      | 133172         | 668                |
|             |              | 15                      | 133197         | 670.5              |
|             |              | 20                      | 133222         | 673                |
|             | Middle Range | 5/10/15/20              | 133297         | 680.5              |
|             | High Range   | 5                       | 133447         | 695.5              |
|             |              | 10                      | 133422         | 693                |
|             |              | 15                      | 133397         | 690.5              |
|             |              | 20                      | 133372         | 688                |

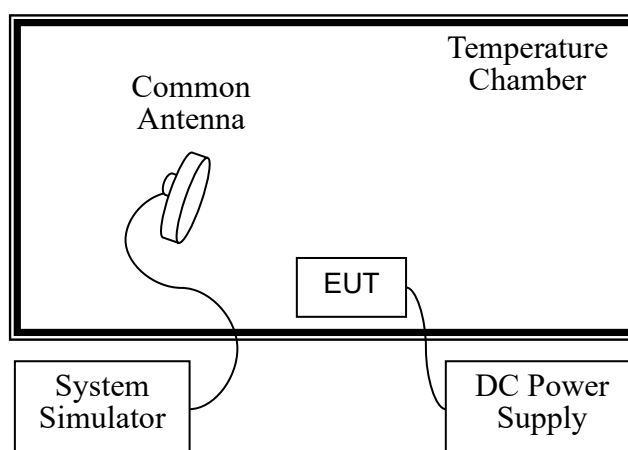
## 4.4 Test Setup

### 4.4.1 For Antenna Port Test



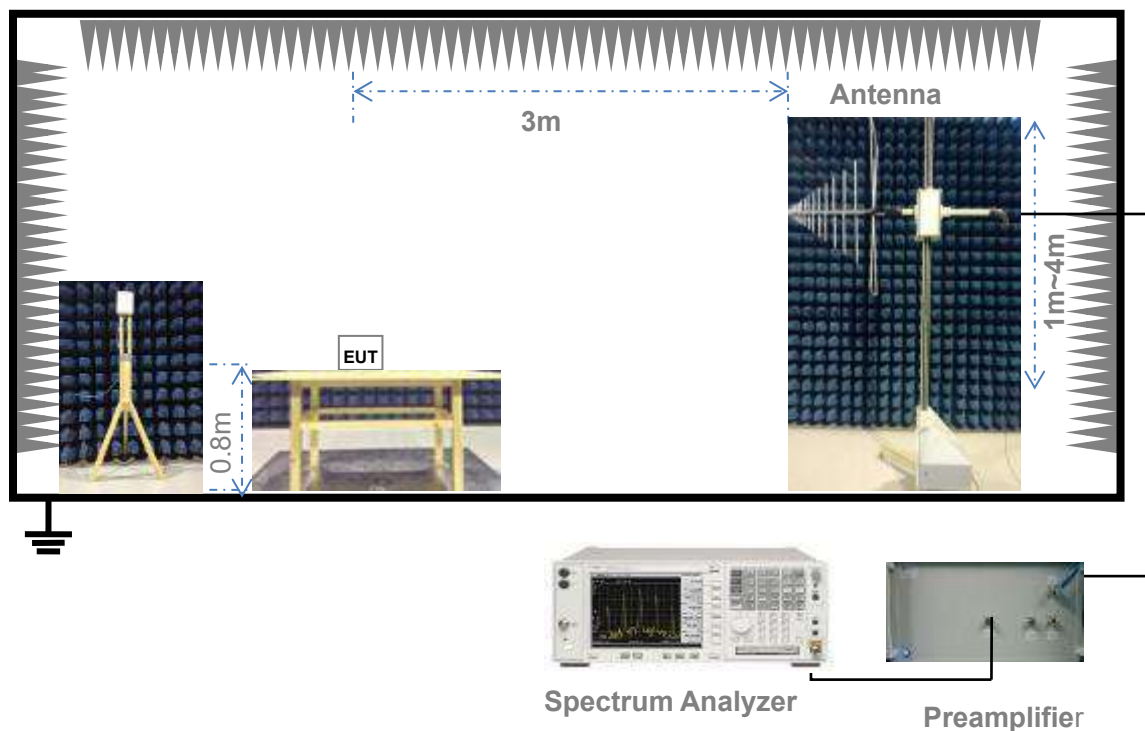
(Diagram 1)

### 4.4.2 For Frequency Stability Test



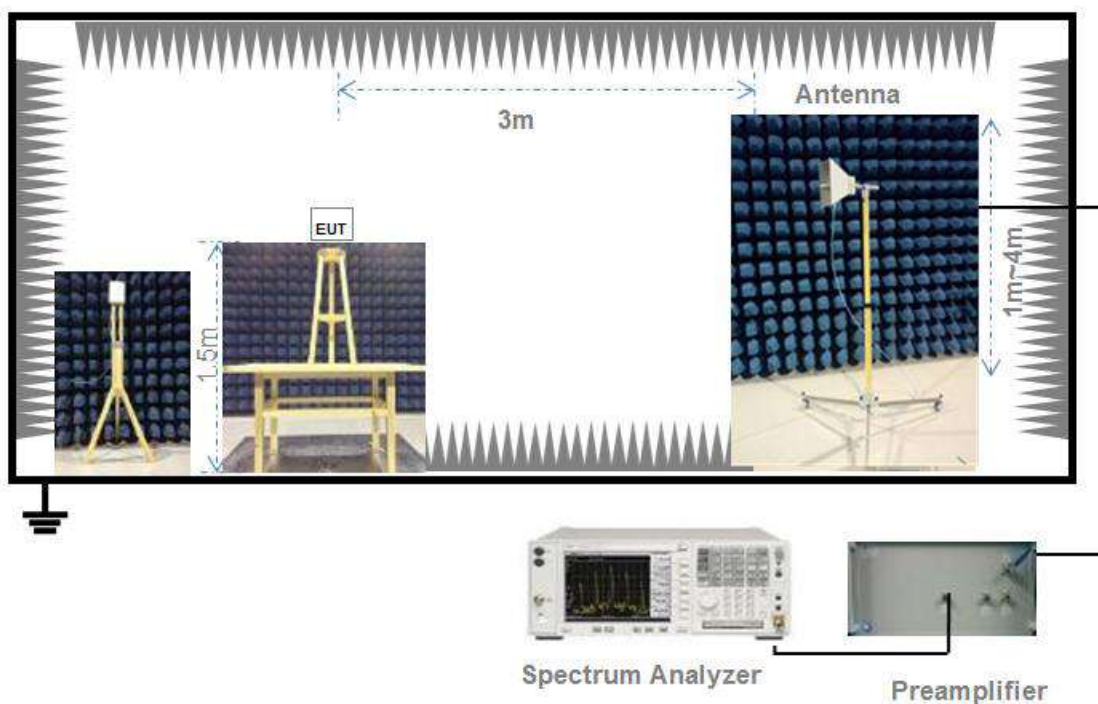
(Diagram 2)

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



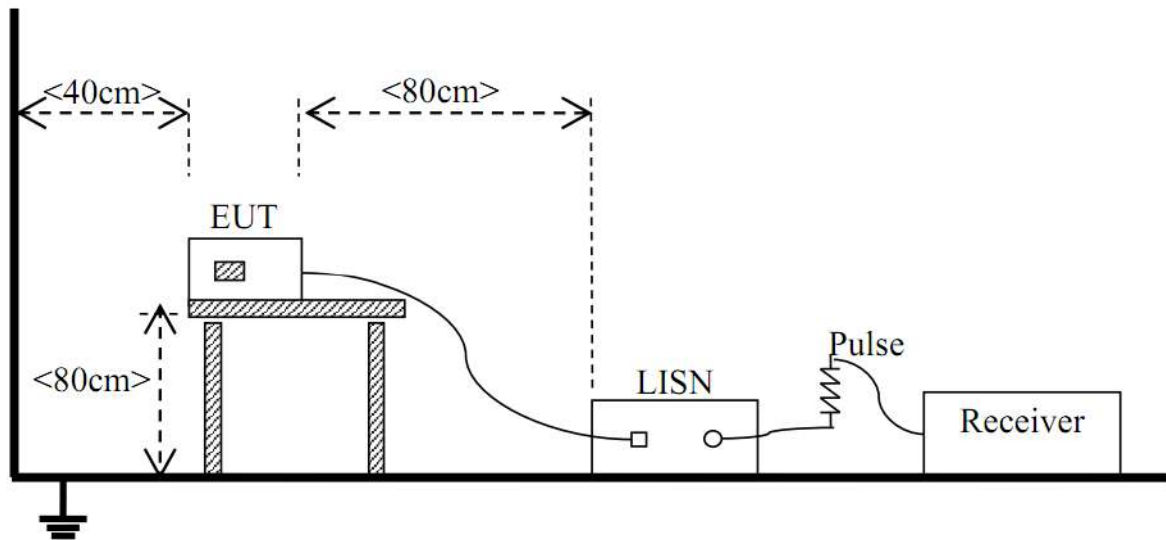
(Diagram 3)

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



(Diagram 4)

## 4.4.5 For AC Power-line Conducted Emissions



(Diagram 5)

## 5 TEST ITEMS

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

#### 5.1.1 Limit

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

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

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

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

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

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

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

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

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

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

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

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

RSS-Gen § 6.12 & RSS-130 § 4.6 & RSS-132 § 5.4 & RSS-133 § 6.4 & RSS-139 § 6.5 & RSS-199 § 5.5

According to RSS-130 § 4.6.3, The e.r.p. shall not exceed 30 watts for mobile equipment and outdoor fixed subscriber equipment. The e.r.p. shall not exceed 3 watts for portable equipment and indoor fixed subscriber equipment.

According to RSS-132 § 5.4, the Effective Radiated Power (ERP) for mobile equipment shall not exceed 11.5 watts.

According to RSS-133 § 6.4 (SRSP 510), mobile stations and hand-held portables are limited to 2 watts maximum EIRP.

According to RSS-139 § 6.5, the EIRP for mobile and portable transmitters shall not exceed 1 watt.

According to RSS-199 § 5.5, Subscriber equipment other than fixed subscriber equipment shall not exceed an e.i.r.p of 2W per channel bandwidth.

### 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:

Conducted Output Power Value (dBm) = Measured Value (dBm) + 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.

RSS-130 § 4.6 & RSS-132 § 5.4 & RSS-133 § 6.4 & RSS-139 § 6.5 & RSS-199 § 5.5 &

According to RSS-130 § 4.6.1, the peak-to-average power ratio (PAPR) of the transmitter shall not exceed 13 dB for more than 0.1% of the time and shall use a signal corresponding to the highest PAPR during periods of continuous transmission.

According to RSS-132 § 5.4, 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 RSS-133 § 6.4, the transmitter's peak-to-average power ratio (PAPR) 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 RSS-139 § 5.5, the peak to average power ratio (PAPR) of the equipment shall not exceed 13 dB for more than 0.1% of the time, using a signal that corresponds to the highest PAPR during periods of continuous transmission.

According to RSS-199 § 5.5, the peak-to-average power ratio (PAPR) of the transmitter shall not exceed 13 dB for more than 0.1% of the time and shall use a signal corresponding to the highest PAPR during periods of continuous transmission.

### 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

RSS-Gen § 6.7

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

RSS-Gen § 6.11 & RSS-130 § 4.5 & RSS-132 § 5.3 & RSS-133 § 6.3 & RSS-139 § 6.4 & RSS-199 § 5.4

RSS-Gen § 6.11

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.

#### RSS-130 § 4.5

The frequency stability shall be sufficient to ensure that the occupied bandwidth remains within each frequency block range when tested at the temperature and supply voltage variations specified in RSS-Gen.

#### RSS-132 § 5.3

The carrier frequency shall not depart from the reference frequency in excess of  $\pm 2.5$  ppm for mobile stations and  $\pm 1.5$  ppm for base stations.

#### RSS-133 § 6.3

The carrier frequency shall not depart from the reference frequency in excess of  $\pm 2.5$  ppm for mobile stations and  $\pm 1.0$  ppm for base stations.

#### RSS-139 § 6.4

The frequency stability shall be sufficient to ensure that the occupied bandwidth stays within the operating frequency block when tested to the temperature and supply voltage variations specified in RSS-Gen.

#### RSS-199 § 5.4

The frequency stability shall be sufficient to ensure that the occupied bandwidth stays within the operating frequency block when tested to the temperature and supply voltage variations specified in RSS-Gen.

### 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

RSS-Gen § 6.13 & RSS-130 § 4.7 & RSS-132 § 5.5 & RSS-133 § 6.5 & RSS-139 § 6.6 & RSS-199 § 5.6

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) & RSS-132 § 5.5 & RSS-133 § 6.5

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) & RSS-139 § 6.6

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) & RSS-199 § 4.5

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.

#### RSS-132 § 5.5 & RSS-133 § 6.5

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.

#### RSS-139 § 6.6

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 MHz 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.

#### RSS-199 § 5.6

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.

#### RSS-130 § 4.7

The unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dBW), by at least  $43 + 10 \log_{10}(P)$  (watts), dB. However, in the 100 kHz band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 kHz may be employed.

In addition to the limit outlined above, equipment operating in the frequency bands 746-756 MHz and 777-787 MHz shall also comply with the following restrictions:

- (a) The power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least:
  - (i)  $76 + 10 \log_{10} p$  (watts), dB, for base and fixed equipment and
  - (ii)  $65 + 10 \log_{10} p$  (watts), dB, for mobile and portable equipment
- (b) The e.i.r.p. in the band 1559-1610 MHz shall not exceed –70 dBW/MHz for wideband signal and –80 dBW for discrete emission with bandwidth less than 700 Hz.

### 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. CMW500 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

RSS-Gen § 6.13 & RSS-130 § 4.7 & RSS-132 § 5.5 & RSS-133 § 6.5 & RSS-139 § 6.6 & RSS-199 § 5.6

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) & RSS-132 § 5.5 & RSS-133 § 6.5

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) & RSS-139 § 6.6

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) & RSS-199 § 4.5

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.

#### RSS-132 § 5.5 & RSS-133 § 6.5

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.

#### RSS-139 § 6.6

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.

#### RSS-199 § 5.6

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.

#### RSS-130 § 4.7

The unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dBW), by at least  $43 + 10 \log_{10}(P)$  (watts), dB. However, in the 100 kHz band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 kHz may be employed.

In addition to the limit outlined above, equipment operating in the frequency bands 746-756 MHz and 777-787 MHz shall also comply with the following restrictions:

- (a) The power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least:
  - (i)  $76 + 10 \log_{10} p$  (watts), dB, for base and fixed equipment and
  - (ii)  $65 + 10 \log_{10} p$  (watts), dB, for mobile and portable equipment
- (b) The e.i.r.p. in the band 1559-1610 MHz shall not exceed  $-70$  dBW/MHz for wideband signal and  $-80$  dBW for discrete emission with bandwidth less than 700 Hz.

### 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. CMW500 is used to establish communication with the EUT, and its parameters are set to force the EUT transmitting at maximum output power.
3. The RF output of the transmitter is connected to the input of the spectrum analyzer through sufficient attenuation.
4. The center of the spectrum analyzer was set to block edge frequency.
5. Band edge are tested with 1%\*cBW (RBW), and sweep point number referred to following formula.

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

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

6. Record the frequencies and levels of spurious emissions.

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

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

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

### 5.6.4 Test Result

Please refer to ANNEX A.6.

## 5.7 Field Strength of Spurious Radiation

### 5.7.1 Limit

FCC § 2.1051 & 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

RSS-Gen § 6.13 & RSS-130 § 4.7 & RSS-132 § 5.5 & RSS-133 § 6.5 & RSS-139 § 6.6 & RSS-199 § 5.6

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) & RSS-132 § 5.5 & RSS-133 § 6.5

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) & RSS-139 § 6.6

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) & RSS-199 § 4.5

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.

#### RSS-132 § 5.5 & RSS-133 § 6.5

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.

#### RSS-139 § 6.6

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.

#### RSS-199 § 5.6

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.

#### RSS-130 § 4.7

The unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dBW), by at least  $43 + 10 \log_{10}(P)$  (watts), dB. However, in the 100 kHz band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 kHz may be employed.

In addition to the limit outlined above, equipment operating in the frequency bands 746-756 MHz and 777-787 MHz shall also comply with the following restrictions:

- (a) The power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least:
- (i)  $76 + 10 \log_{10} p$  (watts), dB, for base and fixed equipment and
  - (ii)  $65 + 10 \log_{10} p$  (watts), dB, for mobile and portable equipment
- (b) The e.i.r.p. in the band 1559-1610 MHz shall not exceed  $-70$  dBW/MHz for wideband signal and  $-80$  dBW for discrete emission with bandwidth less than 700 Hz.

### 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 received, 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.

## 5.8 Receiver Spurious Emissions

### 5.8.1 Limit

RSS-Gen § 7.3/4 & RSS-133 § 6.6

For emissions at frequencies below 1 GHz, measurements shall be performed using a CISPR quasi-peak detector and the related measurement bandwidth. At frequencies above 1 GHz, measurements shall be performed using a linear average detector with a minimum resolution bandwidth of 1 MHz.

As an alternative to CISPR quasi-peak or average measurements, compliance with the emission limit can be demonstrated using measuring equipment employing a peak detector function properly adjusted for factors such as pulse desensitization, as required, with a measurement bandwidth equal to, or greater than, the applicable CISPR quasi-peak bandwidth or 1 MHz bandwidth, respectively.

### Receiver Radiated Limits

Radiated emission measurements shall be performed with the receiver antenna connected to the receiver antenna ports. The search for spurious emissions shall be from the lowest frequency internally generated or used in the receiver (e.g. local oscillator, intermediate or carrier frequency), or 30 MHz, whichever is higher, to at least five times the highest tunable or local oscillator frequency, whichever is higher, without exceeding 40 GHz.

Spurious emissions from receivers shall not exceed the radiated emissions limits shown in Table 2 below.

**Table 2 –Receiver radiated emissions limits**

| Frequency (MHz) | Field Strength ( $\mu\text{V/m}$ at 3 metres) |
|-----------------|-----------------------------------------------|
| 30 - 88         | 100                                           |
| 88 - 216        | 150                                           |
| 216 - 960       | 200                                           |
| Above 960       | 500                                           |

### Receiver Conducted Limits

If the receiver has a detachable antenna of known impedance, an antenna-conducted spurious emissions measurement is permitted as an alternative to radiated measurement. However, the radiated method is preferred.

The antenna-conducted test shall be performed with the antenna disconnected and with the receiver antenna port connected to a measuring instrument having equal input impedance to that specified for the antenna. The RF cable connecting the receiver under test to the measuring instrument shall also have the same impedance to that specified for the receiver's antenna.

The spurious emissions from the receiver at any discrete frequency, measured at the antenna port by the antenna-conducted method, shall not exceed 2 nW in the frequency range 30-1000 MHz and 5 nW above 1 GHz.

### 5.8.2 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.

### 5.8.3 Test Procedure

The test employing the methods of measurement described in the publication referenced in Section 3(b) (ANSI C63.4);

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

An initial pre-scan was performed in the chamber using the EMI Receiver in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by Bi-Log antenna with 2 orthogonal polarities.

### 5.8.4 Test Result

Please refer to ANNEX A.9.

## 5.9 AC Power-line Conducted Emissions

### 5.9.1 Limit

RSS-Gen § 8.8

For AC power-line conducted emissions, both quasi-peak and average detectors having the characteristics specified in CAN/CSA-CISPR 16-1-1:15 for the 150 kHz to 30 MHz frequency range shall be employed.

Unless stated otherwise in the applicable RSS, for radio apparatus that are designed to be connected to the public utility AC power network, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the range 150 kHz to 30 MHz shall not exceed the limits in table 3, as measured using a 50  $\mu$ H / 50  $\Omega$  line impedance stabilization network. This requirement applies for the radio frequency voltage measured between each power line and the ground terminal of each AC power-line mains cable of the EUT.

For an EUT that connects to the AC power lines indirectly, through another device, the requirement for compliance with the limits in table 3 shall apply at the terminals of the AC power-line mains cable of a representative support device, while it provides power to the EUT. The lower limit applies at the boundary between the frequency ranges. The device used to power the EUT shall be representative of typical applications.

**Table 3 –AC power-line conducted emissions limits**

| Frequency<br>(MHz) | Conducted limit<br>(dB $\mu$ V) |                           |
|--------------------|---------------------------------|---------------------------|
|                    | Quasi-peak                      | Average                   |
| 0.15 - 0.5         | 66 to 56 <sup>Note1</sup>       | 56 to 46 <sup>Note1</sup> |
| 0.5 - 5            | 56                              | 46                        |
| 5 - 30             | 60                              | 50                        |

Note 1: The level decreases linearly with the logarithm of the frequency.

### 5.9.2 Test Setup

The section 4.4.5 (Diagram 5) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

### 5.9.3 Test Procedure

The test employing the methods of measurement described in the publication referenced in Section 3(b) (ANSI C63.4);

The EUT is connected to the power mains through a LISN which provides 50  $\Omega$ /50  $\mu$ H of coupling impedance for the measuring instrument. The test frequency range is from 150 kHz to 30 MHz. The maximum conducted interference is searched using Peak (PK), Quasi-peak (QP) and Average (AV) detectors; the emission levels that are more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed.

Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz) for which the device is capable of operation. A device rated for 50/60 Hz operation need not be tested at both frequencies provided the radiated and line conducted emissions are the same at both frequencies.

#### 5.9.4 Test Result

Please refer to ANNEX A.10.

## 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          | 33.19                             | -1.05              | -3.20              | 29.99     | 0.998   | 7.00      | Pass    |
|           | MCH          | 33.06                             | -1.05              | -3.20              | 29.86     | 0.968   | 7.00      | Pass    |
|           | HCH          | 33.06                             | -1.05              | -3.20              | 29.86     | 0.968   | 7.00      | Pass    |
| GPRS 850  | LCH          | 33.15                             | -1.05              | -3.20              | 29.95     | 0.989   | 7.00      | Pass    |
|           | MCH          | 33.05                             | -1.05              | -3.20              | 29.85     | 0.966   | 7.00      | Pass    |
|           | HCH          | 33.06                             | -1.05              | -3.20              | 29.86     | 0.968   | 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          | 29.87                             | -0.15              | 29.72      | 0.938    | 2.00      | Pass    |
|           | MCH          | 29.79                             | -0.15              | 29.64      | 0.920    | 2.00      | Pass    |
|           | HCH          | 29.74                             | -0.15              | 29.59      | 0.910    | 2.00      | Pass    |
| GPRS 1900 | LCH          | 29.80                             | -0.15              | 29.65      | 0.923    | 2.00      | Pass    |
|           | MCH          | 29.80                             | -0.15              | 29.65      | 0.923    | 2.00      | Pass    |
|           | HCH          | 29.75                             | -0.15              | 29.60      | 0.912    | 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     | 33.15                       | 2.07          | 32.28            | 1.69           | 30.40            | 1.10           | 29.43            | 0.88           |
|              | MCH     | 33.05                       | 2.02          | 32.16            | 1.64           | 30.09            | 1.02           | 28.97            | 0.79           |
|              | HCH     | 33.06                       | 2.02          | 32.14            | 1.64           | 30.08            | 1.02           | 28.98            | 0.79           |
| GPRS<br>1900 | LCH     | 29.80                       | 0.95          | 28.90            | 0.78           | 26.98            | 0.50           | 25.88            | 0.39           |
|              | MCH     | 29.80                       | 0.95          | 28.99            | 0.79           | 26.95            | 0.50           | 25.84            | 0.38           |
|              | HCH     | 29.75                       | 0.94          | 28.80            | 0.76           | 27.05            | 0.51           | 26.00            | 0.40           |

## WCDMA Mode Test Data

| Test Band    | Test Channel | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------|--------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| WCDMA Band 2 | LCH          | 22.61                           | -0.15              | 22.46      | 0.176    | 2.00      | Pass    |
|              | MCH          | 22.45                           | -0.15              | 22.30      | 0.170    | 2.00      | Pass    |
|              | HCH          | 22.45                           | -0.15              | 22.30      | 0.170    | 2.00      | Pass    |
| HSDPA Band 2 | LCH          | 21.65                           | -0.15              | 21.50      | 0.141    | 2.00      | Pass    |
|              | MCH          | 21.46                           | -0.15              | 21.31      | 0.135    | 2.00      | Pass    |
|              | HCH          | 21.47                           | -0.15              | 21.32      | 0.136    | 2.00      | Pass    |
| HSUPA Band 2 | LCH          | 21.14                           | -0.15              | 20.99      | 0.126    | 2.00      | Pass    |
|              | MCH          | 20.98                           | -0.15              | 20.83      | 0.121    | 2.00      | Pass    |
|              | HCH          | 20.98                           | -0.15              | 20.83      | 0.121    | 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          | 22.53                           | -0.46              | 22.07      | 0.161    | 1.00      | Pass    |
|              | MCH          | 22.45                           | -0.46              | 21.99      | 0.158    | 1.00      | Pass    |
|              | HCH          | 22.44                           | -0.46              | 21.98      | 0.158    | 1.00      | Pass    |
| HSDPA Band 4 | LCH          | 21.55                           | -0.46              | 21.09      | 0.129    | 1.00      | Pass    |
|              | MCH          | 21.43                           | -0.46              | 20.97      | 0.125    | 1.00      | Pass    |
|              | HCH          | 21.47                           | -0.46              | 21.01      | 0.126    | 1.00      | Pass    |
| HSUPA Band 4 | LCH          | 20.86                           | -0.46              | 20.40      | 0.110    | 1.00      | Pass    |
|              | MCH          | 20.87                           | -0.46              | 20.41      | 0.110    | 1.00      | Pass    |
|              | HCH          | 20.90                           | -0.46              | 20.44      | 0.111    | 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          | 22.55                           | -1.05              | -3.20              | 19.35     | 0.086   | 7.00      | Pass    |
|              | MCH          | 22.57                           | -1.05              | -3.20              | 19.37     | 0.086   | 7.00      | Pass    |
|              | HCH          | 22.55                           | -1.05              | -3.20              | 19.35     | 0.086   | 7.00      | Pass    |
| HSDPA Band 5 | LCH          | 21.59                           | -1.05              | -3.20              | 18.39     | 0.069   | 7.00      | Pass    |
|              | MCH          | 21.58                           | -1.05              | -3.20              | 18.38     | 0.069   | 7.00      | Pass    |
|              | HCH          | 21.54                           | -1.05              | -3.20              | 18.34     | 0.068   | 7.00      | Pass    |
| HSUPA Band 5 | LCH          | 20.87                           | -1.05              | -3.20              | 17.67     | 0.058   | 7.00      | Pass    |
|              | MCH          | 20.92                           | -1.05              | -3.20              | 17.72     | 0.059   | 7.00      | Pass    |
|              | HCH          | 20.84                           | -1.05              | -3.20              | 17.64     | 0.058   | 7.00      | Pass    |

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

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

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

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

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

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

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

#### HSDPA Conducted Output Power

| Conducted Output Power |               | EIRP (dBm) |       |       | EIRP (W) |       |       |
|------------------------|---------------|------------|-------|-------|----------|-------|-------|
| Band                   | Configuration | LCH        | MCH   | HCH   | LCH      | MCH   | HCH   |
| HSDPA B2               | Subtest 1     | 21.65      | 21.46 | 21.47 | 0.146    | 0.140 | 0.140 |
|                        | Subtest 2     | 21.58      | 21.43 | 21.39 | 0.144    | 0.139 | 0.138 |
|                        | Subtest 3     | 21.08      | 20.93 | 20.87 | 0.128    | 0.124 | 0.122 |
|                        | Subtest 4     | 21.06      | 20.88 | 20.89 | 0.128    | 0.122 | 0.123 |
| HSDPA B4               | Subtest 1     | 21.55      | 21.43 | 21.47 | 0.143    | 0.139 | 0.140 |
|                        | Subtest 2     | 21.47      | 21.38 | 21.39 | 0.140    | 0.137 | 0.138 |
|                        | Subtest 3     | 20.95      | 20.94 | 20.97 | 0.124    | 0.124 | 0.125 |
|                        | Subtest 4     | 20.94      | 20.89 | 20.93 | 0.124    | 0.123 | 0.124 |
| Conducted Output Power |               | ERP (dBm)  |       |       | ERP (W)  |       |       |
| Band                   | Configuration | LCH        | MCH   | HCH   | LCH      | MCH   | HCH   |
| HSDPA B5               | Subtest 1     | 21.59      | 21.58 | 21.54 | 0.144    | 0.144 | 0.143 |
|                        | Subtest 2     | 21.50      | 21.58 | 21.47 | 0.141    | 0.144 | 0.140 |
|                        | Subtest 3     | 21.01      | 21.07 | 20.97 | 0.126    | 0.128 | 0.125 |
|                        | Subtest 4     | 21.00      | 21.05 | 20.97 | 0.126    | 0.127 | 0.125 |

HSUPA Conducted Output Power

| Conducted Output Power |               | EIRP (dBm) |       |       | EIRP (W) |       |       |
|------------------------|---------------|------------|-------|-------|----------|-------|-------|
| Band                   | Configuration | LCH        | MCH   | HCH   | LCH      | MCH   | HCH   |
| HSUPA B2               | Subtest 1     | 20.19      | 20.01 | 20.02 | 0.104    | 0.100 | 0.100 |
|                        | Subtest 2     | 20.17      | 20.02 | 20.03 | 0.104    | 0.100 | 0.101 |
|                        | Subtest 3     | 21.14      | 20.98 | 20.98 | 0.130    | 0.125 | 0.125 |
|                        | Subtest 4     | 19.72      | 19.57 | 19.56 | 0.094    | 0.091 | 0.090 |
|                        | Subtest 5     | 21.13      | 20.96 | 20.98 | 0.130    | 0.125 | 0.125 |
| HSUPA B4               | Subtest 1     | 19.89      | 19.87 | 19.90 | 0.097    | 0.097 | 0.098 |
|                        | Subtest 2     | 19.89      | 19.86 | 19.90 | 0.097    | 0.097 | 0.098 |
|                        | Subtest 3     | 20.86      | 20.87 | 20.90 | 0.122    | 0.122 | 0.123 |
|                        | Subtest 4     | 19.42      | 19.41 | 19.44 | 0.087    | 0.087 | 0.088 |
|                        | Subtest 5     | 20.85      | 20.84 | 20.90 | 0.122    | 0.121 | 0.123 |
| Conducted Output Power |               | ERP (dBm)  |       |       | ERP (W)  |       |       |
| Band                   | Configuration | LCH        | MCH   | HCH   | LCH      | MCH   | HCH   |
| HSUPA B5               | Subtest 1     | 19.89      | 19.94 | 19.85 | 0.097    | 0.099 | 0.097 |
|                        | Subtest 2     | 19.92      | 19.92 | 19.87 | 0.098    | 0.098 | 0.097 |
|                        | Subtest 3     | 20.87      | 20.92 | 20.84 | 0.122    | 0.124 | 0.121 |
|                        | Subtest 4     | 19.41      | 19.49 | 19.38 | 0.087    | 0.089 | 0.087 |
|                        | Subtest 5     | 20.85      | 20.89 | 20.80 | 0.122    | 0.123 | 0.120 |

## 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                 | 22.51                           | -0.15              | 22.36      | 0.172    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 22.64                           | -0.15              | 22.49      | 0.177    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 22.49                           | -0.15              | 22.34      | 0.171    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 22.53                           | -0.15              | 22.38      | 0.173    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 22.58                           | -0.15              | 22.43      | 0.175    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 22.56                           | -0.15              | 22.41      | 0.174    | 2.00      | Pass    |
|                  |              |           | RB6#0                 | 21.58                           | -0.15              | 21.43      | 0.139    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.64                           | -0.15              | 21.49      | 0.141    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 21.74                           | -0.15              | 21.59      | 0.144    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 21.63                           | -0.15              | 21.48      | 0.141    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 21.61                           | -0.15              | 21.46      | 0.140    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 21.59                           | -0.15              | 21.44      | 0.139    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 21.6                            | -0.15              | 21.45      | 0.140    | 2.00      | Pass    |
|                  |              |           | RB6#0                 | 20.73                           | -0.15              | 20.58      | 0.114    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.29                           | -0.15              | 22.14      | 0.164    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 22.46                           | -0.15              | 22.31      | 0.170    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 22.3                            | -0.15              | 22.15      | 0.164    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 22.37                           | -0.15              | 22.22      | 0.167    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 22.44                           | -0.15              | 22.29      | 0.169    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 22.37                           | -0.15              | 22.22      | 0.167    | 2.00      | Pass    |
|                  |              |           | RB6#0                 | 21.36                           | -0.15              | 21.21      | 0.132    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.74                           | -0.15              | 21.59      | 0.144    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 21.8                            | -0.15              | 21.65      | 0.146    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 21.67                           | -0.15              | 21.52      | 0.142    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 21.59                           | -0.15              | 21.44      | 0.139    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 21.58                           | -0.15              | 21.43      | 0.139    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 21.58                           | -0.15              | 21.43      | 0.139    | 2.00      | Pass    |
|                  |              |           | RB6#0                 | 20.27                           | -0.15              | 20.12      | 0.103    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.29                           | -0.15              | 22.14      | 0.164    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 22.45                           | -0.15              | 22.30      | 0.170    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 22.25                           | -0.15              | 22.10      | 0.162    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 22.4                            | -0.15              | 22.25      | 0.168    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 22.4                            | -0.15              | 22.25      | 0.168    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 22.37                           | -0.15              | 22.22      | 0.167    | 2.00      | Pass    |
|                  |              |           | RB6#0                 | 21.33                           | -0.15              | 21.18      | 0.131    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.34                           | -0.15              | 21.19      | 0.132    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 21.5                            | -0.15              | 21.35      | 0.136    | 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                 | 21.34                           | -0.15              | 21.19      | 0.132    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 21.51                           | -0.15              | 21.36      | 0.137    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 21.58                           | -0.15              | 21.43      | 0.139    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 21.54                           | -0.15              | 21.39      | 0.138    | 2.00      | Pass    |
|                  |              |           | RB6#0                 | 20.52                           | -0.15              | 20.37      | 0.109    | 2.00      | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 22.64                           | -0.15              | 22.49      | 0.177    | 2.00      | Pass    |
|                  |              |           | RB1#7                 | 22.58                           | -0.15              | 22.43      | 0.175    | 2.00      | Pass    |
|                  |              |           | RB1#14                | 22.57                           | -0.15              | 22.42      | 0.175    | 2.00      | Pass    |
|                  |              |           | RB8#0                 | 21.63                           | -0.15              | 21.48      | 0.141    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 21.69                           | -0.15              | 21.54      | 0.143    | 2.00      | Pass    |
|                  |              |           | RB8#7                 | 21.62                           | -0.15              | 21.47      | 0.140    | 2.00      | Pass    |
|                  |              |           | RB15#0                | 21.62                           | -0.15              | 21.47      | 0.140    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.59                           | -0.15              | 21.44      | 0.139    | 2.00      | Pass    |
|                  |              |           | RB1#7                 | 21.56                           | -0.15              | 21.41      | 0.138    | 2.00      | Pass    |
|                  |              |           | RB1#14                | 21.51                           | -0.15              | 21.36      | 0.137    | 2.00      | Pass    |
|                  |              |           | RB8#0                 | 20.75                           | -0.15              | 20.60      | 0.115    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 20.76                           | -0.15              | 20.61      | 0.115    | 2.00      | Pass    |
|                  |              |           | RB8#7                 | 20.72                           | -0.15              | 20.57      | 0.114    | 2.00      | Pass    |
|                  |              |           | RB15#0                | 20.67                           | -0.15              | 20.52      | 0.113    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.41                           | -0.15              | 22.26      | 0.168    | 2.00      | Pass    |
|                  |              |           | RB1#7                 | 22.43                           | -0.15              | 22.28      | 0.169    | 2.00      | Pass    |
|                  |              |           | RB1#14                | 22.43                           | -0.15              | 22.28      | 0.169    | 2.00      | Pass    |
|                  |              |           | RB8#0                 | 21.45                           | -0.15              | 21.30      | 0.135    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 21.49                           | -0.15              | 21.34      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB8#7                 | 21.41                           | -0.15              | 21.26      | 0.134    | 2.00      | Pass    |
|                  |              |           | RB15#0                | 21.46                           | -0.15              | 21.31      | 0.135    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.84                           | -0.15              | 21.69      | 0.148    | 2.00      | Pass    |
|                  |              |           | RB1#7                 | 21.83                           | -0.15              | 21.68      | 0.147    | 2.00      | Pass    |
|                  |              |           | RB1#14                | 21.81                           | -0.15              | 21.66      | 0.147    | 2.00      | Pass    |
|                  |              |           | RB8#0                 | 20.56                           | -0.15              | 20.41      | 0.110    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 20.59                           | -0.15              | 20.44      | 0.111    | 2.00      | Pass    |
|                  |              |           | RB8#7                 | 20.54                           | -0.15              | 20.39      | 0.109    | 2.00      | Pass    |
|                  |              |           | RB15#0                | 20.45                           | -0.15              | 20.30      | 0.107    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.37                           | -0.15              | 22.22      | 0.167    | 2.00      | Pass    |
|                  |              |           | RB1#7                 | 22.4                            | -0.15              | 22.25      | 0.168    | 2.00      | Pass    |
|                  |              |           | RB1#14                | 22.39                           | -0.15              | 22.24      | 0.167    | 2.00      | Pass    |
|                  |              |           | RB8#0                 | 21.37                           | -0.15              | 21.22      | 0.132    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 21.45                           | -0.15              | 21.30      | 0.135    | 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> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB8#7                 | 21.39                           | -0.15              | 21.24      | 0.133    | 2.00      | Pass    |
|                  |              |           | RB15#0                | 21.38                           | -0.15              | 21.23      | 0.133    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.47                           | -0.15              | 21.32      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB1#7                 | 21.44                           | -0.15              | 21.29      | 0.135    | 2.00      | Pass    |
|                  |              |           | RB1#14                | 21.39                           | -0.15              | 21.24      | 0.133    | 2.00      | Pass    |
|                  |              |           | RB8#0                 | 20.42                           | -0.15              | 20.27      | 0.106    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 20.5                            | -0.15              | 20.35      | 0.108    | 2.00      | Pass    |
|                  |              |           | RB8#7                 | 20.42                           | -0.15              | 20.27      | 0.106    | 2.00      | Pass    |
|                  |              |           | RB15#0                | 20.35                           | -0.15              | 20.20      | 0.105    | 2.00      | Pass    |
| 5 MHz            | LCH          | QPSK      | RB1#0                 | 22.53                           | -0.15              | 22.38      | 0.173    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 22.67                           | -0.15              | 22.52      | 0.179    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 22.51                           | -0.15              | 22.36      | 0.172    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 21.55                           | -0.15              | 21.40      | 0.138    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 21.67                           | -0.15              | 21.52      | 0.142    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 21.61                           | -0.15              | 21.46      | 0.140    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 21.57                           | -0.15              | 21.42      | 0.139    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.72                           | -0.15              | 21.57      | 0.144    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 21.83                           | -0.15              | 21.68      | 0.147    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 21.68                           | -0.15              | 21.53      | 0.142    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 20.65                           | -0.15              | 20.50      | 0.112    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 20.73                           | -0.15              | 20.58      | 0.114    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 20.66                           | -0.15              | 20.51      | 0.112    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.63                           | -0.15              | 20.48      | 0.112    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.37                           | -0.15              | 22.22      | 0.167    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 22.43                           | -0.15              | 22.28      | 0.169    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 22.32                           | -0.15              | 22.17      | 0.165    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 21.41                           | -0.15              | 21.26      | 0.134    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 21.49                           | -0.15              | 21.34      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 21.35                           | -0.15              | 21.20      | 0.132    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 21.42                           | -0.15              | 21.27      | 0.134    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.88                           | -0.15              | 21.73      | 0.149    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 21.93                           | -0.15              | 21.78      | 0.151    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 21.77                           | -0.15              | 21.62      | 0.145    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 20.55                           | -0.15              | 20.40      | 0.110    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 20.63                           | -0.15              | 20.48      | 0.112    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 20.52                           | -0.15              | 20.37      | 0.109    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.49                           | -0.15              | 20.34      | 0.108    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.28                           | -0.15              | 22.13      | 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> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB1#13                | 22.41                           | -0.15              | 22.26      | 0.168    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 22.27                           | -0.15              | 22.12      | 0.163    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 21.39                           | -0.15              | 21.24      | 0.133    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 21.44                           | -0.15              | 21.29      | 0.135    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 21.35                           | -0.15              | 21.20      | 0.132    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 21.36                           | -0.15              | 21.21      | 0.132    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.45                           | -0.15              | 21.30      | 0.135    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 21.58                           | -0.15              | 21.43      | 0.139    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 21.45                           | -0.15              | 21.30      | 0.135    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 20.44                           | -0.15              | 20.29      | 0.107    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 20.51                           | -0.15              | 20.36      | 0.109    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 20.44                           | -0.15              | 20.29      | 0.107    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.37                           | -0.15              | 20.22      | 0.105    | 2.00      | Pass    |
| 10 MHz           | LCH          | QPSK      | RB1#0                 | 22.55                           | -0.15              | 22.40      | 0.174    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 22.75                           | -0.15              | 22.60      | 0.182    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 22.54                           | -0.15              | 22.39      | 0.173    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 21.56                           | -0.15              | 21.41      | 0.138    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 21.64                           | -0.15              | 21.49      | 0.141    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 21.58                           | -0.15              | 21.43      | 0.139    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 21.61                           | -0.15              | 21.46      | 0.140    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.53                           | -0.15              | 21.38      | 0.137    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 21.69                           | -0.15              | 21.54      | 0.143    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 21.48                           | -0.15              | 21.33      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.61                           | -0.15              | 20.46      | 0.111    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 20.69                           | -0.15              | 20.54      | 0.113    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 20.64                           | -0.15              | 20.49      | 0.112    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.58                           | -0.15              | 20.43      | 0.110    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.41                           | -0.15              | 22.26      | 0.168    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 22.57                           | -0.15              | 22.42      | 0.175    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 22.34                           | -0.15              | 22.19      | 0.166    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 21.48                           | -0.15              | 21.33      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 21.48                           | -0.15              | 21.33      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 21.4                            | -0.15              | 21.25      | 0.133    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 21.44                           | -0.15              | 21.29      | 0.135    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.82                           | -0.15              | 21.67      | 0.147    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 21.98                           | -0.15              | 21.83      | 0.152    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 21.76                           | -0.15              | 21.61      | 0.145    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.52                           | -0.15              | 20.37      | 0.109    | 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> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB25#13               | 20.56                           | -0.15              | 20.41      | 0.110    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 20.46                           | -0.15              | 20.31      | 0.107    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.5                            | -0.15              | 20.35      | 0.108    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.4                            | -0.15              | 22.25      | 0.168    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 22.59                           | -0.15              | 22.44      | 0.175    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 22.41                           | -0.15              | 22.26      | 0.168    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 21.45                           | -0.15              | 21.30      | 0.135    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 21.43                           | -0.15              | 21.28      | 0.134    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 21.37                           | -0.15              | 21.22      | 0.132    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 21.43                           | -0.15              | 21.28      | 0.134    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.41                           | -0.15              | 21.26      | 0.134    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 21.66                           | -0.15              | 21.51      | 0.142    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 21.43                           | -0.15              | 21.28      | 0.134    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.57                           | -0.15              | 20.42      | 0.110    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 20.54                           | -0.15              | 20.39      | 0.109    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 20.45                           | -0.15              | 20.30      | 0.107    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.49                           | -0.15              | 20.34      | 0.108    | 2.00      | Pass    |
| 15 MHz           | LCH          | QPSK      | RB1#0                 | 22.5                            | -0.15              | 22.35      | 0.172    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 22.61                           | -0.15              | 22.46      | 0.176    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 22.45                           | -0.15              | 22.30      | 0.170    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 21.66                           | -0.15              | 21.51      | 0.142    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 21.7                            | -0.15              | 21.55      | 0.143    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 21.64                           | -0.15              | 21.49      | 0.141    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 21.63                           | -0.15              | 21.48      | 0.141    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.49                           | -0.15              | 21.34      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 21.58                           | -0.15              | 21.43      | 0.139    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 21.41                           | -0.15              | 21.26      | 0.134    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 20.6                            | -0.15              | 20.45      | 0.111    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 20.65                           | -0.15              | 20.50      | 0.112    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 20.62                           | -0.15              | 20.47      | 0.111    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 20.63                           | -0.15              | 20.48      | 0.112    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.38                           | -0.15              | 22.23      | 0.167    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 22.47                           | -0.15              | 22.32      | 0.171    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 22.28                           | -0.15              | 22.13      | 0.163    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 21.5                            | -0.15              | 21.35      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 21.48                           | -0.15              | 21.33      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 21.42                           | -0.15              | 21.27      | 0.134    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 21.45                           | -0.15              | 21.30      | 0.135    | 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                 | 21.79                           | -0.15              | 21.64      | 0.146    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 21.85                           | -0.15              | 21.70      | 0.148    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 21.64                           | -0.15              | 21.49      | 0.141    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 20.52                           | -0.15              | 20.37      | 0.109    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 20.51                           | -0.15              | 20.36      | 0.109    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 20.45                           | -0.15              | 20.30      | 0.107    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 20.49                           | -0.15              | 20.34      | 0.108    | 2.00      | Pass    |
|                  |              | QPSK      | RB1#0                 | 22.3                            | -0.15              | 22.15      | 0.164    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 22.46                           | -0.15              | 22.31      | 0.170    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 22.32                           | -0.15              | 22.17      | 0.165    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 21.49                           | -0.15              | 21.34      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 21.49                           | -0.15              | 21.34      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 21.37                           | -0.15              | 21.22      | 0.132    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 21.41                           | -0.15              | 21.26      | 0.134    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.71                           | -0.15              | 21.56      | 0.143    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 21.91                           | -0.15              | 21.76      | 0.150    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 21.8                            | -0.15              | 21.65      | 0.146    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 20.47                           | -0.15              | 20.32      | 0.108    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 20.42                           | -0.15              | 20.27      | 0.106    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 20.36                           | -0.15              | 20.21      | 0.105    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 20.42                           | -0.15              | 20.27      | 0.106    | 2.00      | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 22.37                           | -0.15              | 22.22      | 0.167    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 22.8                            | -0.15              | 22.65      | 0.184    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 22.28                           | -0.15              | 22.13      | 0.163    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 21.59                           | -0.15              | 21.44      | 0.139    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 21.66                           | -0.15              | 21.51      | 0.142    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 21.55                           | -0.15              | 21.40      | 0.138    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 21.61                           | -0.15              | 21.46      | 0.140    | 2.00      | Pass    |
|                  |              |           | RB1#0                 | 21.9                            | -0.15              | 21.75      | 0.150    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#50                | 22.23                           | -0.15              | 22.08      | 0.161    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 21.83                           | -0.15              | 21.68      | 0.147    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.63                           | -0.15              | 20.48      | 0.112    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 20.69                           | -0.15              | 20.54      | 0.113    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 20.64                           | -0.15              | 20.49      | 0.112    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 20.65                           | -0.15              | 20.50      | 0.112    | 2.00      | Pass    |
|                  |              |           | RB1#0                 | 22.3                            | -0.15              | 22.15      | 0.164    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 22.64                           | -0.15              | 22.49      | 0.177    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 22.16                           | -0.15              | 22.01      | 0.159    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.3                            | -0.15              | 22.15      | 0.164    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 22.64                           | -0.15              | 22.49      | 0.177    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 22.16                           | -0.15              | 22.01      | 0.159    | 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                | 21.53                           | -0.15              | 21.38      | 0.137    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 21.47                           | -0.15              | 21.32      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 21.41                           | -0.15              | 21.26      | 0.134    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 21.49                           | -0.15              | 21.34      | 0.136    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.72                           | -0.15              | 21.57      | 0.144    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 22.11                           | -0.15              | 21.96      | 0.157    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 21.57                           | -0.15              | 21.42      | 0.139    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.57                           | -0.15              | 20.42      | 0.110    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 20.5                            | -0.15              | 20.35      | 0.108    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 20.42                           | -0.15              | 20.27      | 0.106    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 20.51                           | -0.15              | 20.36      | 0.109    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.09                           | -0.15              | 21.94      | 0.156    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 22.56                           | -0.15              | 22.41      | 0.174    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 22.11                           | -0.15              | 21.96      | 0.157    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 21.46                           | -0.15              | 21.31      | 0.135    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 21.44                           | -0.15              | 21.29      | 0.135    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 21.29                           | -0.15              | 21.14      | 0.130    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 21.42                           | -0.15              | 21.27      | 0.134    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.51                           | -0.15              | 21.36      | 0.137    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 21.97                           | -0.15              | 21.82      | 0.152    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 21.58                           | -0.15              | 21.43      | 0.139    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.44                           | -0.15              | 20.29      | 0.107    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 20.43                           | -0.15              | 20.28      | 0.107    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 20.28                           | -0.15              | 20.13      | 0.103    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 20.43                           | -0.15              | 20.28      | 0.107    | 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                 | 22.83                           | -0.46              | 22.37      | 0.173    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 22.98                           | -0.46              | 22.52      | 0.179    | 1.000     | Pass    |
|                  |              |           | RB1#5                 | 22.8                            | -0.46              | 22.34      | 0.171    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 22.91                           | -0.46              | 22.45      | 0.176    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 22.95                           | -0.46              | 22.49      | 0.177    | 1.000     | Pass    |
|                  |              |           | RB3#3                 | 22.91                           | -0.46              | 22.45      | 0.176    | 1.000     | Pass    |
|                  |              |           | RB6#0                 | 21.88                           | -0.46              | 21.42      | 0.139    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.93                           | -0.46              | 21.47      | 0.140    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 22.14                           | -0.46              | 21.68      | 0.147    | 1.000     | Pass    |
|                  |              |           | RB1#5                 | 21.95                           | -0.46              | 21.49      | 0.141    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 21.96                           | -0.46              | 21.50      | 0.141    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 21.98                           | -0.46              | 21.52      | 0.142    | 1.000     | Pass    |
|                  |              |           | RB3#3                 | 21.94                           | -0.46              | 21.48      | 0.141    | 1.000     | Pass    |
|                  |              |           | RB6#0                 | 21.04                           | -0.46              | 20.58      | 0.114    | 1.000     | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.74                           | -0.46              | 22.28      | 0.169    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 23.02                           | -0.46              | 22.56      | 0.180    | 1.000     | Pass    |
|                  |              |           | RB1#5                 | 22.75                           | -0.46              | 22.29      | 0.169    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 22.81                           | -0.46              | 22.35      | 0.172    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 22.88                           | -0.46              | 22.42      | 0.175    | 1.000     | Pass    |
|                  |              |           | RB3#3                 | 22.82                           | -0.46              | 22.36      | 0.172    | 1.000     | Pass    |
|                  |              |           | RB6#0                 | 21.83                           | -0.46              | 21.37      | 0.137    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 22.1                            | -0.46              | 21.64      | 0.146    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 22.28                           | -0.46              | 21.82      | 0.152    | 1.000     | Pass    |
|                  |              |           | RB1#5                 | 22.12                           | -0.46              | 21.66      | 0.147    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 22                              | -0.46              | 21.54      | 0.143    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 22.03                           | -0.46              | 21.57      | 0.144    | 1.000     | Pass    |
|                  |              |           | RB3#3                 | 22.03                           | -0.46              | 21.57      | 0.144    | 1.000     | Pass    |
|                  |              |           | RB6#0                 | 20.7                            | -0.46              | 20.24      | 0.106    | 1.000     | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.73                           | -0.46              | 22.27      | 0.169    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 22.93                           | -0.46              | 22.47      | 0.177    | 1.000     | Pass    |
|                  |              |           | RB1#5                 | 22.76                           | -0.46              | 22.30      | 0.170    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 22.87                           | -0.46              | 22.41      | 0.174    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 22.91                           | -0.46              | 22.45      | 0.176    | 1.000     | Pass    |
|                  |              |           | RB3#3                 | 22.89                           | -0.46              | 22.43      | 0.175    | 1.000     | Pass    |
|                  |              |           | RB6#0                 | 21.79                           | -0.46              | 21.33      | 0.136    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.83                           | -0.46              | 21.37      | 0.137    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 22.04                           | -0.46              | 21.58      | 0.144    | 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                 | 21.83                           | -0.46              | 21.37      | 0.137    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 22.02                           | -0.46              | 21.56      | 0.143    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 22.05                           | -0.46              | 21.59      | 0.144    | 1.000     | Pass    |
|                  |              |           | RB3#3                 | 22.04                           | -0.46              | 21.58      | 0.144    | 1.000     | Pass    |
|                  |              |           | RB6#0                 | 21.03                           | -0.46              | 20.57      | 0.114    | 1.000     | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 22.8                            | -0.46              | 22.34      | 0.171    | 1.000     | Pass    |
|                  |              |           | RB1#7                 | 22.74                           | -0.46              | 22.28      | 0.169    | 1.000     | Pass    |
|                  |              |           | RB1#14                | 22.73                           | -0.46              | 22.27      | 0.169    | 1.000     | Pass    |
|                  |              |           | RB8#0                 | 21.85                           | -0.46              | 21.39      | 0.138    | 1.000     | Pass    |
|                  |              |           | RB8#4                 | 21.87                           | -0.46              | 21.41      | 0.138    | 1.000     | Pass    |
|                  |              |           | RB8#7                 | 21.84                           | -0.46              | 21.38      | 0.137    | 1.000     | Pass    |
|                  |              |           | RB15#0                | 21.81                           | -0.46              | 21.35      | 0.136    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.8                            | -0.46              | 21.34      | 0.136    | 1.000     | Pass    |
|                  |              |           | RB1#7                 | 21.73                           | -0.46              | 21.27      | 0.134    | 1.000     | Pass    |
|                  |              |           | RB1#14                | 21.75                           | -0.46              | 21.29      | 0.135    | 1.000     | Pass    |
|                  |              |           | RB8#0                 | 20.96                           | -0.46              | 20.50      | 0.112    | 1.000     | Pass    |
|                  |              |           | RB8#4                 | 20.96                           | -0.46              | 20.50      | 0.112    | 1.000     | Pass    |
|                  |              |           | RB8#7                 | 20.96                           | -0.46              | 20.50      | 0.112    | 1.000     | Pass    |
|                  |              |           | RB15#0                | 20.88                           | -0.46              | 20.42      | 0.110    | 1.000     | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.75                           | -0.46              | 22.29      | 0.169    | 1.000     | Pass    |
|                  |              |           | RB1#7                 | 22.72                           | -0.46              | 22.26      | 0.168    | 1.000     | Pass    |
|                  |              |           | RB1#14                | 22.7                            | -0.46              | 22.24      | 0.167    | 1.000     | Pass    |
|                  |              |           | RB8#0                 | 21.73                           | -0.46              | 21.27      | 0.134    | 1.000     | Pass    |
|                  |              |           | RB8#4                 | 21.8                            | -0.46              | 21.34      | 0.136    | 1.000     | Pass    |
|                  |              |           | RB8#7                 | 21.75                           | -0.46              | 21.29      | 0.135    | 1.000     | Pass    |
|                  |              |           | RB15#0                | 21.76                           | -0.46              | 21.30      | 0.135    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 22.12                           | -0.46              | 21.66      | 0.147    | 1.000     | Pass    |
|                  |              |           | RB1#7                 | 22.14                           | -0.46              | 21.68      | 0.147    | 1.000     | Pass    |
|                  |              |           | RB1#14                | 22.11                           | -0.46              | 21.65      | 0.146    | 1.000     | Pass    |
|                  |              |           | RB8#0                 | 20.87                           | -0.46              | 20.41      | 0.110    | 1.000     | Pass    |
|                  |              |           | RB8#4                 | 20.87                           | -0.46              | 20.41      | 0.110    | 1.000     | Pass    |
|                  |              |           | RB8#7                 | 20.82                           | -0.46              | 20.36      | 0.109    | 1.000     | Pass    |
|                  |              |           | RB15#0                | 20.77                           | -0.46              | 20.31      | 0.107    | 1.000     | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.72                           | -0.46              | 22.26      | 0.168    | 1.000     | Pass    |
|                  |              |           | RB1#7                 | 22.74                           | -0.46              | 22.28      | 0.169    | 1.000     | Pass    |
|                  |              |           | RB1#14                | 22.71                           | -0.46              | 22.25      | 0.168    | 1.000     | Pass    |
|                  |              |           | RB8#0                 | 21.77                           | -0.46              | 21.31      | 0.135    | 1.000     | Pass    |
|                  |              |           | RB8#4                 | 21.79                           | -0.46              | 21.33      | 0.136    | 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> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              | 16-QAM    | RB8#7                 | 21.75                           | -0.46              | 21.29      | 0.135    | 1.000     | Pass    |
|                  |              |           | RB15#0                | 21.74                           | -0.46              | 21.28      | 0.134    | 1.000     | Pass    |
|                  |              |           | RB1#0                 | 21.78                           | -0.46              | 21.32      | 0.136    | 1.000     | Pass    |
|                  |              |           | RB1#7                 | 21.79                           | -0.46              | 21.33      | 0.136    | 1.000     | Pass    |
|                  |              |           | RB1#14                | 21.77                           | -0.46              | 21.31      | 0.135    | 1.000     | Pass    |
|                  |              |           | RB8#0                 | 20.82                           | -0.46              | 20.36      | 0.109    | 1.000     | Pass    |
|                  |              |           | RB8#4                 | 20.83                           | -0.46              | 20.37      | 0.109    | 1.000     | Pass    |
|                  |              |           | RB8#7                 | 20.82                           | -0.46              | 20.36      | 0.109    | 1.000     | Pass    |
|                  |              |           | RB15#0                | 20.74                           | -0.46              | 20.28      | 0.107    | 1.000     | Pass    |
| 5 MHz            | LCH          | QPSK      | RB1#0                 | 22.76                           | -0.46              | 22.30      | 0.170    | 1.000     | Pass    |
|                  |              |           | RB1#13                | 22.84                           | -0.46              | 22.38      | 0.173    | 1.000     | Pass    |
|                  |              |           | RB1#24                | 22.76                           | -0.46              | 22.30      | 0.170    | 1.000     | Pass    |
|                  |              |           | RB12#0                | 21.76                           | -0.46              | 21.30      | 0.135    | 1.000     | Pass    |
|                  |              |           | RB12#6                | 21.89                           | -0.46              | 21.43      | 0.139    | 1.000     | Pass    |
|                  |              |           | RB12#13               | 21.82                           | -0.46              | 21.36      | 0.137    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 21.81                           | -0.46              | 21.35      | 0.136    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.93                           | -0.46              | 21.47      | 0.140    | 1.000     | Pass    |
|                  |              |           | RB1#13                | 22.03                           | -0.46              | 21.57      | 0.144    | 1.000     | Pass    |
|                  |              |           | RB1#24                | 21.96                           | -0.46              | 21.50      | 0.141    | 1.000     | Pass    |
|                  |              |           | RB12#0                | 20.85                           | -0.46              | 20.39      | 0.109    | 1.000     | Pass    |
|                  |              |           | RB12#6                | 20.96                           | -0.46              | 20.50      | 0.112    | 1.000     | Pass    |
|                  |              |           | RB12#13               | 20.85                           | -0.46              | 20.39      | 0.109    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 20.82                           | -0.46              | 20.36      | 0.109    | 1.000     | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.67                           | -0.46              | 22.21      | 0.166    | 1.000     | Pass    |
|                  |              |           | RB1#13                | 22.76                           | -0.46              | 22.30      | 0.170    | 1.000     | Pass    |
|                  |              |           | RB1#24                | 22.64                           | -0.46              | 22.18      | 0.165    | 1.000     | Pass    |
|                  |              |           | RB12#0                | 21.72                           | -0.46              | 21.26      | 0.134    | 1.000     | Pass    |
|                  |              |           | RB12#6                | 21.79                           | -0.46              | 21.33      | 0.136    | 1.000     | Pass    |
|                  |              |           | RB12#13               | 21.69                           | -0.46              | 21.23      | 0.133    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 21.71                           | -0.46              | 21.25      | 0.133    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 22.15                           | -0.46              | 21.69      | 0.148    | 1.000     | Pass    |
|                  |              |           | RB1#13                | 22.28                           | -0.46              | 21.82      | 0.152    | 1.000     | Pass    |
|                  |              |           | RB1#24                | 22.14                           | -0.46              | 21.68      | 0.147    | 1.000     | Pass    |
|                  |              |           | RB12#0                | 20.87                           | -0.46              | 20.41      | 0.110    | 1.000     | Pass    |
|                  |              |           | RB12#6                | 20.92                           | -0.46              | 20.46      | 0.111    | 1.000     | Pass    |
|                  |              |           | RB12#13               | 20.85                           | -0.46              | 20.39      | 0.109    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 20.79                           | -0.46              | 20.33      | 0.108    | 1.000     | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.63                           | -0.46              | 22.17      | 0.165    | 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                | 22.74                           | -0.46              | 22.28      | 0.169    | 1.000     | Pass    |
|                  |              |           | RB1#24                | 22.71                           | -0.46              | 22.25      | 0.168    | 1.000     | Pass    |
|                  |              |           | RB12#0                | 21.69                           | -0.46              | 21.23      | 0.133    | 1.000     | Pass    |
|                  |              |           | RB12#6                | 21.83                           | -0.46              | 21.37      | 0.137    | 1.000     | Pass    |
|                  |              |           | RB12#13               | 21.74                           | -0.46              | 21.28      | 0.134    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 21.72                           | -0.46              | 21.26      | 0.134    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.8                            | -0.46              | 21.34      | 0.136    | 1.000     | Pass    |
|                  |              |           | RB1#13                | 21.92                           | -0.46              | 21.46      | 0.140    | 1.000     | Pass    |
|                  |              |           | RB1#24                | 21.84                           | -0.46              | 21.38      | 0.137    | 1.000     | Pass    |
|                  |              |           | RB12#0                | 20.74                           | -0.46              | 20.28      | 0.107    | 1.000     | Pass    |
|                  |              |           | RB12#6                | 20.89                           | -0.46              | 20.43      | 0.110    | 1.000     | Pass    |
|                  |              |           | RB12#13               | 20.79                           | -0.46              | 20.33      | 0.108    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 20.7                            | -0.46              | 20.24      | 0.106    | 1.000     | Pass    |
| 10 MHz           | LCH          | QPSK      | RB1#0                 | 22.77                           | -0.46              | 22.31      | 0.170    | 1.000     | Pass    |
|                  |              |           | RB1#25                | 22.91                           | -0.46              | 22.45      | 0.176    | 1.000     | Pass    |
|                  |              |           | RB1#49                | 22.77                           | -0.46              | 22.31      | 0.170    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 21.84                           | -0.46              | 21.38      | 0.137    | 1.000     | Pass    |
|                  |              |           | RB25#13               | 21.87                           | -0.46              | 21.41      | 0.138    | 1.000     | Pass    |
|                  |              |           | RB25#25               | 21.85                           | -0.46              | 21.39      | 0.138    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 21.86                           | -0.46              | 21.40      | 0.138    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.82                           | -0.46              | 21.36      | 0.137    | 1.000     | Pass    |
|                  |              |           | RB1#25                | 21.94                           | -0.46              | 21.48      | 0.141    | 1.000     | Pass    |
|                  |              |           | RB1#49                | 21.72                           | -0.46              | 21.26      | 0.134    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 20.85                           | -0.46              | 20.39      | 0.109    | 1.000     | Pass    |
|                  |              |           | RB25#13               | 20.9                            | -0.46              | 20.44      | 0.111    | 1.000     | Pass    |
|                  |              |           | RB25#25               | 20.89                           | -0.46              | 20.43      | 0.110    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 20.85                           | -0.46              | 20.39      | 0.109    | 1.000     | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.73                           | -0.46              | 22.27      | 0.169    | 1.000     | Pass    |
|                  |              |           | RB1#25                | 22.86                           | -0.46              | 22.40      | 0.174    | 1.000     | Pass    |
|                  |              |           | RB1#49                | 22.69                           | -0.46              | 22.23      | 0.167    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 21.78                           | -0.46              | 21.32      | 0.136    | 1.000     | Pass    |
|                  |              |           | RB25#13               | 21.79                           | -0.46              | 21.33      | 0.136    | 1.000     | Pass    |
|                  |              |           | RB25#25               | 21.76                           | -0.46              | 21.30      | 0.135    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 21.74                           | -0.46              | 21.28      | 0.134    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 22.11                           | -0.46              | 21.65      | 0.146    | 1.000     | Pass    |
|                  |              |           | RB1#25                | 22.28                           | -0.46              | 21.82      | 0.152    | 1.000     | Pass    |
|                  |              |           | RB1#49                | 22.1                            | -0.46              | 21.64      | 0.146    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 20.81                           | -0.46              | 20.35      | 0.108    | 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               | 20.86                           | -0.46              | 20.40      | 0.110    | 1.000     | Pass    |
|                  |              |           | RB25#25               | 20.78                           | -0.46              | 20.32      | 0.108    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 20.79                           | -0.46              | 20.33      | 0.108    | 1.000     | Pass    |
|                  |              | QPSK      | RB1#0                 | 22.71                           | -0.46              | 22.25      | 0.168    | 1.000     | Pass    |
|                  |              |           | RB1#25                | 22.87                           | -0.46              | 22.41      | 0.174    | 1.000     | Pass    |
|                  |              |           | RB1#49                | 22.71                           | -0.46              | 22.25      | 0.168    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 21.73                           | -0.46              | 21.27      | 0.134    | 1.000     | Pass    |
|                  |              |           | RB25#13               | 21.75                           | -0.46              | 21.29      | 0.135    | 1.000     | Pass    |
|                  |              |           | RB25#25               | 21.74                           | -0.46              | 21.28      | 0.134    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 21.73                           | -0.46              | 21.27      | 0.134    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.75                           | -0.46              | 21.29      | 0.135    | 1.000     | Pass    |
|                  |              |           | RB1#25                | 22.01                           | -0.46              | 21.55      | 0.143    | 1.000     | Pass    |
|                  |              |           | RB1#49                | 21.77                           | -0.46              | 21.31      | 0.135    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 20.88                           | -0.46              | 20.42      | 0.110    | 1.000     | Pass    |
|                  |              |           | RB25#13               | 20.86                           | -0.46              | 20.40      | 0.110    | 1.000     | Pass    |
|                  |              |           | RB25#25               | 20.85                           | -0.46              | 20.39      | 0.109    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 20.79                           | -0.46              | 20.33      | 0.108    | 1.000     | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 22.65                           | -0.46              | 22.19      | 0.166    | 1.000     | Pass    |
|                  |              |           | RB1#38                | 22.79                           | -0.46              | 22.33      | 0.171    | 1.000     | Pass    |
|                  |              |           | RB1#74                | 22.56                           | -0.46              | 22.10      | 0.162    | 1.000     | Pass    |
|                  |              |           | RB36#0                | 21.81                           | -0.46              | 21.35      | 0.136    | 1.000     | Pass    |
|                  |              |           | RB36#19               | 21.86                           | -0.46              | 21.40      | 0.138    | 1.000     | Pass    |
|                  |              |           | RB36#39               | 21.84                           | -0.46              | 21.38      | 0.137    | 1.000     | Pass    |
|                  |              |           | RB75#0                | 21.88                           | -0.46              | 21.42      | 0.139    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.67                           | -0.46              | 21.21      | 0.132    | 1.000     | Pass    |
|                  |              |           | RB1#38                | 21.79                           | -0.46              | 21.33      | 0.136    | 1.000     | Pass    |
|                  |              |           | RB1#74                | 21.65                           | -0.46              | 21.19      | 0.132    | 1.000     | Pass    |
|                  |              |           | RB36#0                | 20.75                           | -0.46              | 20.29      | 0.107    | 1.000     | Pass    |
|                  |              |           | RB36#19               | 20.85                           | -0.46              | 20.39      | 0.109    | 1.000     | Pass    |
|                  |              |           | RB36#39               | 20.83                           | -0.46              | 20.37      | 0.109    | 1.000     | Pass    |
|                  |              |           | RB75#0                | 20.87                           | -0.46              | 20.41      | 0.110    | 1.000     | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.64                           | -0.46              | 22.18      | 0.165    | 1.000     | Pass    |
|                  |              |           | RB1#38                | 22.76                           | -0.46              | 22.30      | 0.170    | 1.000     | Pass    |
|                  |              |           | RB1#74                | 22.57                           | -0.46              | 22.11      | 0.163    | 1.000     | Pass    |
|                  |              |           | RB36#0                | 21.79                           | -0.46              | 21.33      | 0.136    | 1.000     | Pass    |
|                  |              |           | RB36#19               | 21.78                           | -0.46              | 21.32      | 0.136    | 1.000     | Pass    |
|                  |              |           | RB36#39               | 21.74                           | -0.46              | 21.28      | 0.134    | 1.000     | Pass    |
|                  |              |           | RB75#0                | 21.78                           | -0.46              | 21.32      | 0.136    | 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                 | 22.03                           | -0.46              | 21.57      | 0.144    | 1.000     | Pass    |
|                  |              |           | RB1#38                | 22.1                            | -0.46              | 21.64      | 0.146    | 1.000     | Pass    |
|                  |              |           | RB1#74                | 21.97                           | -0.46              | 21.51      | 0.142    | 1.000     | Pass    |
|                  |              |           | RB36#0                | 20.81                           | -0.46              | 20.35      | 0.108    | 1.000     | Pass    |
|                  |              |           | RB36#19               | 20.87                           | -0.46              | 20.41      | 0.110    | 1.000     | Pass    |
|                  |              |           | RB36#39               | 20.75                           | -0.46              | 20.29      | 0.107    | 1.000     | Pass    |
|                  |              |           | RB75#0                | 20.79                           | -0.46              | 20.33      | 0.108    | 1.000     | Pass    |
|                  |              | QPSK      | RB1#0                 | 22.62                           | -0.46              | 22.16      | 0.164    | 1.000     | Pass    |
|                  |              |           | RB1#38                | 22.74                           | -0.46              | 22.28      | 0.169    | 1.000     | Pass    |
|                  |              |           | RB1#74                | 22.64                           | -0.46              | 22.18      | 0.165    | 1.000     | Pass    |
|                  |              |           | RB36#0                | 21.77                           | -0.46              | 21.31      | 0.135    | 1.000     | Pass    |
|                  |              |           | RB36#19               | 21.8                            | -0.46              | 21.34      | 0.136    | 1.000     | Pass    |
|                  |              |           | RB36#39               | 21.74                           | -0.46              | 21.28      | 0.134    | 1.000     | Pass    |
|                  |              |           | RB75#0                | 21.76                           | -0.46              | 21.30      | 0.135    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 22.06                           | -0.46              | 21.60      | 0.145    | 1.000     | Pass    |
|                  |              |           | RB1#38                | 22.23                           | -0.46              | 21.77      | 0.150    | 1.000     | Pass    |
|                  |              |           | RB1#74                | 22.1                            | -0.46              | 21.64      | 0.146    | 1.000     | Pass    |
|                  |              |           | RB36#0                | 20.7                            | -0.46              | 20.24      | 0.106    | 1.000     | Pass    |
|                  |              |           | RB36#19               | 20.73                           | -0.46              | 20.27      | 0.106    | 1.000     | Pass    |
|                  |              |           | RB36#39               | 20.66                           | -0.46              | 20.20      | 0.105    | 1.000     | Pass    |
|                  |              |           | RB75#0                | 20.72                           | -0.46              | 20.26      | 0.106    | 1.000     | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 22.54                           | -0.46              | 22.08      | 0.161    | 1.000     | Pass    |
|                  |              |           | RB1#50                | 22.98                           | -0.46              | 22.52      | 0.179    | 1.000     | Pass    |
|                  |              |           | RB1#99                | 22.5                            | -0.46              | 22.04      | 0.160    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 21.78                           | -0.46              | 21.32      | 0.136    | 1.000     | Pass    |
|                  |              |           | RB50#25               | 21.83                           | -0.46              | 21.37      | 0.137    | 1.000     | Pass    |
|                  |              |           | RB50#50               | 21.85                           | -0.46              | 21.39      | 0.138    | 1.000     | Pass    |
|                  |              |           | RB100#0               | 21.81                           | -0.46              | 21.35      | 0.136    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 22.08                           | -0.46              | 21.62      | 0.145    | 1.000     | Pass    |
|                  |              |           | RB1#50                | 22.46                           | -0.46              | 22.00      | 0.158    | 1.000     | Pass    |
|                  |              |           | RB1#99                | 22                              | -0.46              | 21.54      | 0.143    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 20.83                           | -0.46              | 20.37      | 0.109    | 1.000     | Pass    |
|                  |              |           | RB50#25               | 20.89                           | -0.46              | 20.43      | 0.110    | 1.000     | Pass    |
|                  |              |           | RB50#50               | 20.9                            | -0.46              | 20.44      | 0.111    | 1.000     | Pass    |
|                  |              |           | RB100#0               | 20.83                           | -0.46              | 20.37      | 0.109    | 1.000     | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.54                           | -0.46              | 22.08      | 0.161    | 1.000     | Pass    |
|                  |              |           | RB1#50                | 22.94                           | -0.46              | 22.48      | 0.177    | 1.000     | Pass    |
|                  |              |           | RB1#99                | 22.46                           | -0.46              | 22.00      | 0.158    | 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                | 21.74                           | -0.46              | 21.28      | 0.134    | 1.000     | Pass    |
|                  |              |           | RB50#25               | 21.8                            | -0.46              | 21.34      | 0.136    | 1.000     | Pass    |
|                  |              |           | RB50#50               | 21.73                           | -0.46              | 21.27      | 0.134    | 1.000     | Pass    |
|                  |              |           | RB100#0               | 21.74                           | -0.46              | 21.28      | 0.134    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 22.01                           | -0.46              | 21.55      | 0.143    | 1.000     | Pass    |
|                  |              |           | RB1#50                | 22.34                           | -0.46              | 21.88      | 0.154    | 1.000     | Pass    |
|                  |              |           | RB1#99                | 21.89                           | -0.46              | 21.43      | 0.139    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 20.77                           | -0.46              | 20.31      | 0.107    | 1.000     | Pass    |
|                  |              |           | RB50#25               | 20.8                            | -0.46              | 20.34      | 0.108    | 1.000     | Pass    |
|                  |              |           | RB50#50               | 20.77                           | -0.46              | 20.31      | 0.107    | 1.000     | Pass    |
|                  |              |           | RB100#0               | 20.78                           | -0.46              | 20.32      | 0.108    | 1.000     | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.45                           | -0.46              | 21.99      | 0.158    | 1.000     | Pass    |
|                  |              |           | RB1#50                | 22.84                           | -0.46              | 22.38      | 0.173    | 1.000     | Pass    |
|                  |              |           | RB1#99                | 22.45                           | -0.46              | 21.99      | 0.158    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 21.72                           | -0.46              | 21.26      | 0.134    | 1.000     | Pass    |
|                  |              |           | RB50#25               | 21.76                           | -0.46              | 21.30      | 0.135    | 1.000     | Pass    |
|                  |              |           | RB50#50               | 21.68                           | -0.46              | 21.22      | 0.132    | 1.000     | Pass    |
|                  |              |           | RB100#0               | 21.69                           | -0.46              | 21.23      | 0.133    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.91                           | -0.46              | 21.45      | 0.140    | 1.000     | Pass    |
|                  |              |           | RB1#50                | 22.28                           | -0.46              | 21.82      | 0.152    | 1.000     | Pass    |
|                  |              |           | RB1#99                | 21.89                           | -0.46              | 21.43      | 0.139    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 20.72                           | -0.46              | 20.26      | 0.106    | 1.000     | Pass    |
|                  |              |           | RB50#25               | 20.76                           | -0.46              | 20.30      | 0.107    | 1.000     | Pass    |
|                  |              |           | RB50#50               | 20.7                            | -0.46              | 20.24      | 0.106    | 1.000     | Pass    |
|                  |              |           | RB100#0               | 20.76                           | -0.46              | 20.30      | 0.107    | 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                 | 22.23                           | -1.05              | -3.2               | 19.03     | 0.080   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 22.43                           | -1.05              | -3.2               | 19.23     | 0.084   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 22.27                           | -1.05              | -3.2               | 19.07     | 0.081   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 22.34                           | -1.05              | -3.2               | 19.14     | 0.082   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 22.36                           | -1.05              | -3.2               | 19.16     | 0.082   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 22.34                           | -1.05              | -3.2               | 19.14     | 0.082   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 21.34                           | -1.05              | -3.2               | 18.14     | 0.065   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.35                           | -1.05              | -3.2               | 18.15     | 0.065   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 21.53                           | -1.05              | -3.2               | 18.33     | 0.068   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 21.4                            | -1.05              | -3.2               | 18.20     | 0.066   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 21.38                           | -1.05              | -3.2               | 18.18     | 0.066   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 21.4                            | -1.05              | -3.2               | 18.20     | 0.066   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 21.36                           | -1.05              | -3.2               | 18.16     | 0.065   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 20.5                            | -1.05              | -3.2               | 17.30     | 0.054   | 7.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.33                           | -1.05              | -3.2               | 19.13     | 0.082   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 22.48                           | -1.05              | -3.2               | 19.28     | 0.085   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 22.3                            | -1.05              | -3.2               | 19.10     | 0.081   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 22.4                            | -1.05              | -3.2               | 19.20     | 0.083   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 22.44                           | -1.05              | -3.2               | 19.24     | 0.084   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 22.42                           | -1.05              | -3.2               | 19.22     | 0.084   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 21.4                            | -1.05              | -3.2               | 18.20     | 0.066   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.65                           | -1.05              | -3.2               | 18.45     | 0.070   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 21.87                           | -1.05              | -3.2               | 18.67     | 0.074   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 21.69                           | -1.05              | -3.2               | 18.49     | 0.071   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 21.58                           | -1.05              | -3.2               | 18.38     | 0.069   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 21.61                           | -1.05              | -3.2               | 18.41     | 0.069   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 21.57                           | -1.05              | -3.2               | 18.37     | 0.069   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 20.32                           | -1.05              | -3.2               | 17.12     | 0.052   | 7.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.26                           | -1.05              | -3.2               | 19.06     | 0.081   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 22.45                           | -1.05              | -3.2               | 19.25     | 0.084   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 22.25                           | -1.05              | -3.2               | 19.05     | 0.080   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 22.31                           | -1.05              | -3.2               | 19.11     | 0.081   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 22.39                           | -1.05              | -3.2               | 19.19     | 0.083   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 22.35                           | -1.05              | -3.2               | 19.15     | 0.082   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 21.32                           | -1.05              | -3.2               | 18.12     | 0.065   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.27                           | -1.05              | -3.2               | 18.07     | 0.064   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 21.43                           | -1.05              | -3.2               | 18.23     | 0.067   | 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                 | 21.25                           | -1.05              | -3.2               | 18.05     | 0.064   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 21.45                           | -1.05              | -3.2               | 18.25     | 0.067   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 21.49                           | -1.05              | -3.2               | 18.29     | 0.067   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 21.46                           | -1.05              | -3.2               | 18.26     | 0.067   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 20.49                           | -1.05              | -3.2               | 17.29     | 0.054   | 7.00      | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 22.27                           | -1.05              | -3.2               | 19.07     | 0.081   | 7.00      | Pass    |
|                  |              |           | RB1#7                 | 22.28                           | -1.05              | -3.2               | 19.08     | 0.081   | 7.00      | Pass    |
|                  |              |           | RB1#14                | 22.27                           | -1.05              | -3.2               | 19.07     | 0.081   | 7.00      | Pass    |
|                  |              |           | RB8#0                 | 21.29                           | -1.05              | -3.2               | 18.09     | 0.064   | 7.00      | Pass    |
|                  |              |           | RB8#4                 | 21.39                           | -1.05              | -3.2               | 18.19     | 0.066   | 7.00      | Pass    |
|                  |              |           | RB8#7                 | 21.29                           | -1.05              | -3.2               | 18.09     | 0.064   | 7.00      | Pass    |
|                  |              |           | RB15#0                | 21.25                           | -1.05              | -3.2               | 18.05     | 0.064   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.17                           | -1.05              | -3.2               | 17.97     | 0.063   | 7.00      | Pass    |
|                  |              |           | RB1#7                 | 21.23                           | -1.05              | -3.2               | 18.03     | 0.064   | 7.00      | Pass    |
|                  |              |           | RB1#14                | 21.25                           | -1.05              | -3.2               | 18.05     | 0.064   | 7.00      | Pass    |
|                  |              |           | RB8#0                 | 20.4                            | -1.05              | -3.2               | 17.20     | 0.052   | 7.00      | Pass    |
|                  |              |           | RB8#4                 | 20.46                           | -1.05              | -3.2               | 17.26     | 0.053   | 7.00      | Pass    |
|                  |              |           | RB8#7                 | 20.41                           | -1.05              | -3.2               | 17.21     | 0.053   | 7.00      | Pass    |
|                  |              |           | RB15#0                | 20.31                           | -1.05              | -3.2               | 17.11     | 0.051   | 7.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.35                           | -1.05              | -3.2               | 19.15     | 0.082   | 7.00      | Pass    |
|                  |              |           | RB1#7                 | 22.33                           | -1.05              | -3.2               | 19.13     | 0.082   | 7.00      | Pass    |
|                  |              |           | RB1#14                | 22.34                           | -1.05              | -3.2               | 19.14     | 0.082   | 7.00      | Pass    |
|                  |              |           | RB8#0                 | 21.38                           | -1.05              | -3.2               | 18.18     | 0.066   | 7.00      | Pass    |
|                  |              |           | RB8#4                 | 21.44                           | -1.05              | -3.2               | 18.24     | 0.067   | 7.00      | Pass    |
|                  |              |           | RB8#7                 | 21.4                            | -1.05              | -3.2               | 18.20     | 0.066   | 7.00      | Pass    |
|                  |              |           | RB15#0                | 21.4                            | -1.05              | -3.2               | 18.20     | 0.066   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.71                           | -1.05              | -3.2               | 18.51     | 0.071   | 7.00      | Pass    |
|                  |              |           | RB1#7                 | 21.71                           | -1.05              | -3.2               | 18.51     | 0.071   | 7.00      | Pass    |
|                  |              |           | RB1#14                | 21.72                           | -1.05              | -3.2               | 18.52     | 0.071   | 7.00      | Pass    |
|                  |              |           | RB8#0                 | 20.49                           | -1.05              | -3.2               | 17.29     | 0.054   | 7.00      | Pass    |
|                  |              |           | RB8#4                 | 20.53                           | -1.05              | -3.2               | 17.33     | 0.054   | 7.00      | Pass    |
|                  |              |           | RB8#7                 | 20.47                           | -1.05              | -3.2               | 17.27     | 0.053   | 7.00      | Pass    |
|                  |              |           | RB15#0                | 20.42                           | -1.05              | -3.2               | 17.22     | 0.053   | 7.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.35                           | -1.05              | -3.2               | 19.15     | 0.082   | 7.00      | Pass    |
|                  |              |           | RB1#7                 | 22.3                            | -1.05              | -3.2               | 19.10     | 0.081   | 7.00      | Pass    |
|                  |              |           | RB1#14                | 22.25                           | -1.05              | -3.2               | 19.05     | 0.080   | 7.00      | Pass    |
|                  |              |           | RB8#0                 | 21.32                           | -1.05              | -3.2               | 18.12     | 0.065   | 7.00      | Pass    |
|                  |              |           | RB8#4                 | 21.34                           | -1.05              | -3.2               | 18.14     | 0.065   | 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                 | 21.28                           | -1.05              | -3.2               | 18.08     | 0.064   | 7.00      | Pass    |
|                  |              |           | RB15#0                | 21.33                           | -1.05              | -3.2               | 18.13     | 0.065   | 7.00      | Pass    |
|                  |              |           | RB1#0                 | 21.33                           | -1.05              | -3.2               | 18.13     | 0.065   | 7.00      | Pass    |
|                  |              |           | RB1#7                 | 21.28                           | -1.05              | -3.2               | 18.08     | 0.064   | 7.00      | Pass    |
|                  |              |           | RB1#14                | 21.27                           | -1.05              | -3.2               | 18.07     | 0.064   | 7.00      | Pass    |
|                  |              |           | RB8#0                 | 20.33                           | -1.05              | -3.2               | 17.13     | 0.052   | 7.00      | Pass    |
|                  |              |           | RB8#4                 | 20.4                            | -1.05              | -3.2               | 17.20     | 0.052   | 7.00      | Pass    |
|                  |              |           | RB8#7                 | 20.29                           | -1.05              | -3.2               | 17.09     | 0.051   | 7.00      | Pass    |
|                  |              |           | RB15#0                | 20.25                           | -1.05              | -3.2               | 17.05     | 0.051   | 7.00      | Pass    |
| 5 MHz            | LCH          | QPSK      | RB1#0                 | 22.16                           | -1.05              | -3.2               | 18.96     | 0.079   | 7.00      | Pass    |
|                  |              |           | RB1#13                | 22.36                           | -1.05              | -3.2               | 19.16     | 0.082   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 22.24                           | -1.05              | -3.2               | 19.04     | 0.080   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 21.29                           | -1.05              | -3.2               | 18.09     | 0.064   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 21.38                           | -1.05              | -3.2               | 18.18     | 0.066   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 21.32                           | -1.05              | -3.2               | 18.12     | 0.065   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 21.32                           | -1.05              | -3.2               | 18.12     | 0.065   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.35                           | -1.05              | -3.2               | 18.15     | 0.065   | 7.00      | Pass    |
|                  |              |           | RB1#13                | 21.54                           | -1.05              | -3.2               | 18.34     | 0.068   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 21.41                           | -1.05              | -3.2               | 18.21     | 0.066   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 20.36                           | -1.05              | -3.2               | 17.16     | 0.052   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 20.46                           | -1.05              | -3.2               | 17.26     | 0.053   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 20.35                           | -1.05              | -3.2               | 17.15     | 0.052   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 20.35                           | -1.05              | -3.2               | 17.15     | 0.052   | 7.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.25                           | -1.05              | -3.2               | 19.05     | 0.080   | 7.00      | Pass    |
|                  |              |           | RB1#13                | 22.39                           | -1.05              | -3.2               | 19.19     | 0.083   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 22.26                           | -1.05              | -3.2               | 19.06     | 0.081   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 21.36                           | -1.05              | -3.2               | 18.16     | 0.065   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 21.48                           | -1.05              | -3.2               | 18.28     | 0.067   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 21.38                           | -1.05              | -3.2               | 18.18     | 0.066   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 21.4                            | -1.05              | -3.2               | 18.20     | 0.066   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.82                           | -1.05              | -3.2               | 18.62     | 0.073   | 7.00      | Pass    |
|                  |              |           | RB1#13                | 21.83                           | -1.05              | -3.2               | 18.63     | 0.073   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 21.76                           | -1.05              | -3.2               | 18.56     | 0.072   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 20.48                           | -1.05              | -3.2               | 17.28     | 0.053   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 20.56                           | -1.05              | -3.2               | 17.36     | 0.054   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 20.52                           | -1.05              | -3.2               | 17.32     | 0.054   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 20.48                           | -1.05              | -3.2               | 17.28     | 0.053   | 7.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.25                           | -1.05              | -3.2               | 19.05     | 0.080   | 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                | 22.33                           | -1.05              | -3.2               | 19.13     | 0.082   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 22.17                           | -1.05              | -3.2               | 18.97     | 0.079   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 21.33                           | -1.05              | -3.2               | 18.13     | 0.065   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 21.34                           | -1.05              | -3.2               | 18.14     | 0.065   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 21.28                           | -1.05              | -3.2               | 18.08     | 0.064   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 21.28                           | -1.05              | -3.2               | 18.08     | 0.064   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.34                           | -1.05              | -3.2               | 18.14     | 0.065   | 7.00      | Pass    |
|                  |              |           | RB1#13                | 21.44                           | -1.05              | -3.2               | 18.24     | 0.067   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 21.3                            | -1.05              | -3.2               | 18.10     | 0.065   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 20.4                            | -1.05              | -3.2               | 17.20     | 0.052   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 20.38                           | -1.05              | -3.2               | 17.18     | 0.052   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 20.32                           | -1.05              | -3.2               | 17.12     | 0.052   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 20.25                           | -1.05              | -3.2               | 17.05     | 0.051   | 7.00      | Pass    |
|                  |              |           |                       |                                 |                    |                    |           |         |           |         |
| 10 MHz           | LCH          | QPSK      | RB1#0                 | 22.22                           | -1.05              | -3.2               | 19.02     | 0.080   | 7.00      | Pass    |
|                  |              |           | RB1#25                | 22.43                           | -1.05              | -3.2               | 19.23     | 0.084   | 7.00      | Pass    |
|                  |              |           | RB1#49                | 22.32                           | -1.05              | -3.2               | 19.12     | 0.082   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 21.36                           | -1.05              | -3.2               | 18.16     | 0.065   | 7.00      | Pass    |
|                  |              |           | RB25#13               | 21.36                           | -1.05              | -3.2               | 18.16     | 0.065   | 7.00      | Pass    |
|                  |              |           | RB25#25               | 21.41                           | -1.05              | -3.2               | 18.21     | 0.066   | 7.00      | Pass    |
|                  |              |           | RB50#0                | 21.36                           | -1.05              | -3.2               | 18.16     | 0.065   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.18                           | -1.05              | -3.2               | 17.98     | 0.063   | 7.00      | Pass    |
|                  |              |           | RB1#25                | 21.38                           | -1.05              | -3.2               | 18.18     | 0.066   | 7.00      | Pass    |
|                  |              |           | RB1#49                | 21.29                           | -1.05              | -3.2               | 18.09     | 0.064   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 20.42                           | -1.05              | -3.2               | 17.22     | 0.053   | 7.00      | Pass    |
|                  |              |           | RB25#13               | 20.39                           | -1.05              | -3.2               | 17.19     | 0.052   | 7.00      | Pass    |
|                  |              |           | RB25#25               | 20.42                           | -1.05              | -3.2               | 17.22     | 0.053   | 7.00      | Pass    |
|                  |              |           | RB50#0                | 20.4                            | -1.05              | -3.2               | 17.20     | 0.052   | 7.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.3                            | -1.05              | -3.2               | 19.10     | 0.081   | 7.00      | Pass    |
|                  |              |           | RB1#25                | 22.47                           | -1.05              | -3.2               | 19.27     | 0.085   | 7.00      | Pass    |
|                  |              |           | RB1#49                | 22.28                           | -1.05              | -3.2               | 19.08     | 0.081   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 21.37                           | -1.05              | -3.2               | 18.17     | 0.066   | 7.00      | Pass    |
|                  |              |           | RB25#13               | 21.41                           | -1.05              | -3.2               | 18.21     | 0.066   | 7.00      | Pass    |
|                  |              |           | RB25#25               | 21.41                           | -1.05              | -3.2               | 18.21     | 0.066   | 7.00      | Pass    |
|                  |              |           | RB50#0                | 21.39                           | -1.05              | -3.2               | 18.19     | 0.066   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.67                           | -1.05              | -3.2               | 18.47     | 0.070   | 7.00      | Pass    |
|                  |              |           | RB1#25                | 21.8                            | -1.05              | -3.2               | 18.60     | 0.072   | 7.00      | Pass    |
|                  |              |           | RB1#49                | 21.63                           | -1.05              | -3.2               | 18.43     | 0.070   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 20.44                           | -1.05              | -3.2               | 17.24     | 0.053   | 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               | 20.47                           | -1.05              | -3.2               | 17.27     | 0.053   | 7.00      | Pass    |
|                  |              |           | RB25#25               | 20.43                           | -1.05              | -3.2               | 17.23     | 0.053   | 7.00      | Pass    |
|                  |              |           | RB50#0                | 20.41                           | -1.05              | -3.2               | 17.21     | 0.053   | 7.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.29                           | -1.05              | -3.2               | 19.09     | 0.081   | 7.00      | Pass    |
|                  |              |           | RB1#25                | 22.45                           | -1.05              | -3.2               | 19.25     | 0.084   | 7.00      | Pass    |
|                  |              |           | RB1#49                | 22.22                           | -1.05              | -3.2               | 19.02     | 0.080   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 21.32                           | -1.05              | -3.2               | 18.12     | 0.065   | 7.00      | Pass    |
|                  |              |           | RB25#13               | 21.32                           | -1.05              | -3.2               | 18.12     | 0.065   | 7.00      | Pass    |
|                  |              |           | RB25#25               | 21.2                            | -1.05              | -3.2               | 18.00     | 0.063   | 7.00      | Pass    |
|                  |              |           | RB50#0                | 21.27                           | -1.05              | -3.2               | 18.07     | 0.064   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.31                           | -1.05              | -3.2               | 18.11     | 0.065   | 7.00      | Pass    |
|                  |              |           | RB1#25                | 21.4                            | -1.05              | -3.2               | 18.20     | 0.066   | 7.00      | Pass    |
|                  |              |           | RB1#49                | 21.27                           | -1.05              | -3.2               | 18.07     | 0.064   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 20.43                           | -1.05              | -3.2               | 17.23     | 0.053   | 7.00      | Pass    |
|                  |              |           | RB25#13               | 20.41                           | -1.05              | -3.2               | 17.21     | 0.053   | 7.00      | Pass    |
|                  |              |           | RB25#25               | 20.31                           | -1.05              | -3.2               | 17.11     | 0.051   | 7.00      | Pass    |
|                  |              |           | RB50#0                | 20.32                           | -1.05              | -3.2               | 17.12     | 0.052   | 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                 | 22.46                           | -0.56              | 21.90      | 0.155    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 22.58                           | -0.56              | 22.02      | 0.159    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 22.48                           | -0.56              | 21.92      | 0.156    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 21.56                           | -0.56              | 21.00      | 0.126    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 21.65                           | -0.56              | 21.09      | 0.129    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 21.6                            | -0.56              | 21.04      | 0.127    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 21.56                           | -0.56              | 21.00      | 0.126    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.68                           | -0.56              | 21.12      | 0.129    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 21.76                           | -0.56              | 21.20      | 0.132    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 21.62                           | -0.56              | 21.06      | 0.128    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 20.63                           | -0.56              | 20.07      | 0.102    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 20.7                            | -0.56              | 20.14      | 0.103    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 20.67                           | -0.56              | 20.11      | 0.103    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.62                           | -0.56              | 20.06      | 0.101    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.42                           | -0.56              | 21.86      | 0.153    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 22.47                           | -0.56              | 21.91      | 0.155    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 22.35                           | -0.56              | 21.79      | 0.151    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 21.48                           | -0.56              | 20.92      | 0.124    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 21.52                           | -0.56              | 20.96      | 0.125    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 21.47                           | -0.56              | 20.91      | 0.123    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 21.45                           | -0.56              | 20.89      | 0.123    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.92                           | -0.56              | 21.36      | 0.137    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 22.01                           | -0.56              | 21.45      | 0.140    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 21.89                           | -0.56              | 21.33      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 20.65                           | -0.56              | 20.09      | 0.102    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 20.66                           | -0.56              | 20.10      | 0.102    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 20.6                            | -0.56              | 20.04      | 0.101    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.55                           | -0.56              | 19.99      | 0.100    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.09                           | -0.56              | 21.53      | 0.142    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 22.14                           | -0.56              | 21.58      | 0.144    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 22.02                           | -0.56              | 21.46      | 0.140    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 21.16                           | -0.56              | 20.60      | 0.115    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 21.17                           | -0.56              | 20.61      | 0.115    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 21.09                           | -0.56              | 20.53      | 0.113    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 21.15                           | -0.56              | 20.59      | 0.115    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.22                           | -0.56              | 20.66      | 0.116    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 21.29                           | -0.56              | 20.73      | 0.118    | 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                | 21.17                           | -0.56              | 20.61      | 0.115    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 20.25                           | -0.56              | 19.69      | 0.093    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 20.26                           | -0.56              | 19.70      | 0.093    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 20.13                           | -0.56              | 19.57      | 0.091    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.13                           | -0.56              | 19.57      | 0.091    | 2.00      | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 22.55                           | -0.56              | 21.99      | 0.158    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 22.68                           | -0.56              | 22.12      | 0.163    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 22.52                           | -0.56              | 21.96      | 0.157    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 21.56                           | -0.56              | 21.00      | 0.126    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 21.61                           | -0.56              | 21.05      | 0.127    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 21.64                           | -0.56              | 21.08      | 0.128    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 21.63                           | -0.56              | 21.07      | 0.128    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.48                           | -0.56              | 20.92      | 0.124    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 21.67                           | -0.56              | 21.11      | 0.129    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 21.48                           | -0.56              | 20.92      | 0.124    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.63                           | -0.56              | 20.07      | 0.102    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 20.65                           | -0.56              | 20.09      | 0.102    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 20.69                           | -0.56              | 20.13      | 0.103    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.65                           | -0.56              | 20.09      | 0.102    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.5                            | -0.56              | 21.94      | 0.156    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 22.61                           | -0.56              | 22.05      | 0.160    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 22.45                           | -0.56              | 21.89      | 0.155    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 21.52                           | -0.56              | 20.96      | 0.125    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 21.5                            | -0.56              | 20.94      | 0.124    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 21.54                           | -0.56              | 20.98      | 0.125    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 21.56                           | -0.56              | 21.00      | 0.126    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.88                           | -0.56              | 21.32      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 22.03                           | -0.56              | 21.47      | 0.140    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 21.79                           | -0.56              | 21.23      | 0.133    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.6                            | -0.56              | 20.04      | 0.101    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 20.61                           | -0.56              | 20.05      | 0.101    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 20.59                           | -0.56              | 20.03      | 0.101    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.59                           | -0.56              | 20.03      | 0.101    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.26                           | -0.56              | 21.70      | 0.148    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 22.33                           | -0.56              | 21.77      | 0.150    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 22.09                           | -0.56              | 21.53      | 0.142    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 21.29                           | -0.56              | 20.73      | 0.118    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 21.21                           | -0.56              | 20.65      | 0.116    | 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> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB25#25               | 21.17                           | -0.56              | 20.61      | 0.115    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 21.22                           | -0.56              | 20.66      | 0.116    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.32                           | -0.56              | 20.76      | 0.119    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 21.37                           | -0.56              | 20.81      | 0.121    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 21.1                            | -0.56              | 20.54      | 0.113    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.4                            | -0.56              | 19.84      | 0.096    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 20.33                           | -0.56              | 19.77      | 0.095    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 20.24                           | -0.56              | 19.68      | 0.093    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.27                           | -0.56              | 19.71      | 0.094    | 2.00      | Pass    |
| 15 MHz           | LCH          | QPSK      | RB1#0                 | 22.48                           | -0.56              | 21.92      | 0.156    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 22.58                           | -0.56              | 22.02      | 0.159    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 22.39                           | -0.56              | 21.83      | 0.152    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 21.59                           | -0.56              | 21.03      | 0.127    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 21.69                           | -0.56              | 21.13      | 0.130    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 21.64                           | -0.56              | 21.08      | 0.128    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 21.62                           | -0.56              | 21.06      | 0.128    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.39                           | -0.56              | 20.83      | 0.121    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 21.54                           | -0.56              | 20.98      | 0.125    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 21.36                           | -0.56              | 20.80      | 0.120    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 20.56                           | -0.56              | 20.00      | 0.100    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 20.65                           | -0.56              | 20.09      | 0.102    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 20.6                            | -0.56              | 20.04      | 0.101    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 20.64                           | -0.56              | 20.08      | 0.102    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.44                           | -0.56              | 21.88      | 0.154    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 22.54                           | -0.56              | 21.98      | 0.158    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 22.32                           | -0.56              | 21.76      | 0.150    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 21.53                           | -0.56              | 20.97      | 0.125    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 21.59                           | -0.56              | 21.03      | 0.127    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 21.51                           | -0.56              | 20.95      | 0.124    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 21.54                           | -0.56              | 20.98      | 0.125    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.81                           | -0.56              | 21.25      | 0.133    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 21.9                            | -0.56              | 21.34      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 21.68                           | -0.56              | 21.12      | 0.129    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 20.6                            | -0.56              | 20.04      | 0.101    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 20.6                            | -0.56              | 20.04      | 0.101    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 20.55                           | -0.56              | 19.99      | 0.100    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 20.56                           | -0.56              | 20.00      | 0.100    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.18                           | -0.56              | 21.62      | 0.145    | 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                | 22.24                           | -0.56              | 21.68      | 0.147    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 21.99                           | -0.56              | 21.43      | 0.139    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 21.33                           | -0.56              | 20.77      | 0.119    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 21.34                           | -0.56              | 20.78      | 0.120    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 21.19                           | -0.56              | 20.63      | 0.116    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 21.22                           | -0.56              | 20.66      | 0.116    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.58                           | -0.56              | 21.02      | 0.126    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 21.65                           | -0.56              | 21.09      | 0.129    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 21.42                           | -0.56              | 20.86      | 0.122    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 20.26                           | -0.56              | 19.70      | 0.093    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 20.27                           | -0.56              | 19.71      | 0.094    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 20.17                           | -0.56              | 19.61      | 0.091    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 20.25                           | -0.56              | 19.69      | 0.093    | 2.00      | Pass    |
| 20 MHz           | LCH          | QPSK      | RB1#0                 | 22.35                           | -0.56              | 21.79      | 0.151    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 22.8                            | -0.56              | 22.24      | 0.167    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 22.29                           | -0.56              | 21.73      | 0.149    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 21.49                           | -0.56              | 20.93      | 0.124    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 21.6                            | -0.56              | 21.04      | 0.127    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 21.54                           | -0.56              | 20.98      | 0.125    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 21.56                           | -0.56              | 21.00      | 0.126    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.88                           | -0.56              | 21.32      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 22.23                           | -0.56              | 21.67      | 0.147    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 21.8                            | -0.56              | 21.24      | 0.133    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.56                           | -0.56              | 20.00      | 0.100    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 20.65                           | -0.56              | 20.09      | 0.102    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 20.62                           | -0.56              | 20.06      | 0.101    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 20.62                           | -0.56              | 20.06      | 0.101    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.31                           | -0.56              | 21.75      | 0.150    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 22.7                            | -0.56              | 22.14      | 0.164    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 22.11                           | -0.56              | 21.55      | 0.143    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 21.45                           | -0.56              | 20.89      | 0.123    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 21.52                           | -0.56              | 20.96      | 0.125    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 21.47                           | -0.56              | 20.91      | 0.123    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 21.5                            | -0.56              | 20.94      | 0.124    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.77                           | -0.56              | 21.21      | 0.132    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 22.15                           | -0.56              | 21.59      | 0.144    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 21.55                           | -0.56              | 20.99      | 0.126    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.52                           | -0.56              | 19.96      | 0.099    | 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               | 20.56                           | -0.56              | 20.00      | 0.100    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 20.52                           | -0.56              | 19.96      | 0.099    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 20.52                           | -0.56              | 19.96      | 0.099    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 22.04                           | -0.56              | 21.48      | 0.141    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 22.41                           | -0.56              | 21.85      | 0.153    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 21.77                           | -0.56              | 21.21      | 0.132    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 21.26                           | -0.56              | 20.70      | 0.117    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 21.33                           | -0.56              | 20.77      | 0.119    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 21.13                           | -0.56              | 20.57      | 0.114    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 21.22                           | -0.56              | 20.66      | 0.116    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.49                           | -0.56              | 20.93      | 0.124    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 21.85                           | -0.56              | 21.29      | 0.135    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 21.22                           | -0.56              | 20.66      | 0.116    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.27                           | -0.56              | 19.71      | 0.094    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 20.33                           | -0.56              | 19.77      | 0.095    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 20.16                           | -0.56              | 19.60      | 0.091    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 20.27                           | -0.56              | 19.71      | 0.094    | 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                 | 22.25                           | -1.16              | -3.31              | 18.94     | 0.078   | 3.000     | Pass    |
|                   |              |           | RB1#3                 | 22.36                           | -1.16              | -3.31              | 19.05     | 0.080   | 3.000     | Pass    |
|                   |              |           | RB1#5                 | 22.17                           | -1.16              | -3.31              | 18.86     | 0.077   | 3.000     | Pass    |
|                   |              |           | RB3#0                 | 22.3                            | -1.16              | -3.31              | 18.99     | 0.079   | 3.000     | Pass    |
|                   |              |           | RB3#2                 | 22.33                           | -1.16              | -3.31              | 19.02     | 0.080   | 3.000     | Pass    |
|                   |              |           | RB3#3                 | 22.3                            | -1.16              | -3.31              | 18.99     | 0.079   | 3.000     | Pass    |
|                   |              |           | RB6#0                 | 21.27                           | -1.16              | -3.31              | 17.96     | 0.063   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.36                           | -1.16              | -3.31              | 18.05     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB1#3                 | 21.53                           | -1.16              | -3.31              | 18.22     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB1#5                 | 21.3                            | -1.16              | -3.31              | 17.99     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB3#0                 | 21.36                           | -1.16              | -3.31              | 18.05     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB3#2                 | 21.35                           | -1.16              | -3.31              | 18.04     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB3#3                 | 21.32                           | -1.16              | -3.31              | 18.01     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB6#0                 | 20.45                           | -1.16              | -3.31              | 17.14     | 0.052   | 3.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.29                           | -1.16              | -3.31              | 18.98     | 0.079   | 3.000     | Pass    |
|                   |              |           | RB1#3                 | 22.42                           | -1.16              | -3.31              | 19.11     | 0.081   | 3.000     | Pass    |
|                   |              |           | RB1#5                 | 22.26                           | -1.16              | -3.31              | 18.95     | 0.079   | 3.000     | Pass    |
|                   |              |           | RB3#0                 | 22.35                           | -1.16              | -3.31              | 19.04     | 0.080   | 3.000     | Pass    |
|                   |              |           | RB3#2                 | 22.4                            | -1.16              | -3.31              | 19.09     | 0.081   | 3.000     | Pass    |
|                   |              |           | RB3#3                 | 22.36                           | -1.16              | -3.31              | 19.05     | 0.080   | 3.000     | Pass    |
|                   |              |           | RB6#0                 | 21.28                           | -1.16              | -3.31              | 17.97     | 0.063   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.66                           | -1.16              | -3.31              | 18.35     | 0.068   | 3.000     | Pass    |
|                   |              |           | RB1#3                 | 21.81                           | -1.16              | -3.31              | 18.50     | 0.071   | 3.000     | Pass    |
|                   |              |           | RB1#5                 | 21.63                           | -1.16              | -3.31              | 18.32     | 0.068   | 3.000     | Pass    |
|                   |              |           | RB3#0                 | 21.55                           | -1.16              | -3.31              | 18.24     | 0.067   | 3.000     | Pass    |
|                   |              |           | RB3#2                 | 21.57                           | -1.16              | -3.31              | 18.26     | 0.067   | 3.000     | Pass    |
|                   |              |           | RB3#3                 | 21.57                           | -1.16              | -3.31              | 18.26     | 0.067   | 3.000     | Pass    |
|                   |              |           | RB6#0                 | 20.26                           | -1.16              | -3.31              | 16.95     | 0.050   | 3.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.24                           | -1.16              | -3.31              | 18.93     | 0.078   | 3.000     | Pass    |
|                   |              |           | RB1#3                 | 22.46                           | -1.16              | -3.31              | 19.15     | 0.082   | 3.000     | Pass    |
|                   |              |           | RB1#5                 | 22.25                           | -1.16              | -3.31              | 18.94     | 0.078   | 3.000     | Pass    |
|                   |              |           | RB3#0                 | 22.38                           | -1.16              | -3.31              | 19.07     | 0.081   | 3.000     | Pass    |
|                   |              |           | RB3#2                 | 22.43                           | -1.16              | -3.31              | 19.12     | 0.082   | 3.000     | Pass    |
|                   |              |           | RB3#3                 | 22.38                           | -1.16              | -3.31              | 19.07     | 0.081   | 3.000     | Pass    |
|                   |              |           | RB6#0                 | 21.31                           | -1.16              | -3.31              | 18.00     | 0.063   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.29                           | -1.16              | -3.31              | 17.98     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB1#3                 | 21.48                           | -1.16              | -3.31              | 18.17     | 0.066   | 3.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenn a Gain (dBi) | Antenn a Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|---------------------|---------------------|-----------|---------|-----------|---------|
| <b>LTE BAND12</b> |              |           |                        |                                 |                     |                     |           |         |           |         |
| 3 MHz             |              |           | RB1#5                  | 21.29                           | -1.16               | -3.31               | 17.98     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB3#0                  | 21.53                           | -1.16               | -3.31               | 18.22     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB3#2                  | 21.57                           | -1.16               | -3.31               | 18.26     | 0.067   | 3.000     | Pass    |
|                   |              |           | RB3#3                  | 21.52                           | -1.16               | -3.31               | 18.21     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB6#0                  | 20.55                           | -1.16               | -3.31               | 17.24     | 0.053   | 3.000     | Pass    |
|                   | LCH          | QPSK      | RB1#0                  | 22.3                            | -1.16               | -3.31               | 18.99     | 0.079   | 3.000     | Pass    |
|                   |              |           | RB1#7                  | 22.23                           | -1.16               | -3.31               | 18.92     | 0.078   | 3.000     | Pass    |
|                   |              |           | RB1#14                 | 22.29                           | -1.16               | -3.31               | 18.98     | 0.079   | 3.000     | Pass    |
|                   |              |           | RB8#0                  | 21.28                           | -1.16               | -3.31               | 17.97     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB8#4                  | 21.32                           | -1.16               | -3.31               | 18.01     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB8#7                  | 21.27                           | -1.16               | -3.31               | 17.96     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB15#0                 | 21.25                           | -1.16               | -3.31               | 17.94     | 0.062   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.21                           | -1.16               | -3.31               | 17.90     | 0.062   | 3.000     | Pass    |
|                   |              |           | RB1#7                  | 21.19                           | -1.16               | -3.31               | 17.88     | 0.061   | 3.000     | Pass    |
|                   |              |           | RB1#14                 | 21.22                           | -1.16               | -3.31               | 17.91     | 0.062   | 3.000     | Pass    |
|                   |              |           | RB8#0                  | 20.4                            | -1.16               | -3.31               | 17.09     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB8#4                  | 20.45                           | -1.16               | -3.31               | 17.14     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB8#7                  | 20.41                           | -1.16               | -3.31               | 17.10     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB15#0                 | 20.32                           | -1.16               | -3.31               | 17.01     | 0.050   | 3.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 22.31                           | -1.16               | -3.31               | 19.00     | 0.079   | 3.000     | Pass    |
|                   |              |           | RB1#7                  | 22.34                           | -1.16               | -3.31               | 19.03     | 0.080   | 3.000     | Pass    |
|                   |              |           | RB1#14                 | 22.32                           | -1.16               | -3.31               | 19.01     | 0.080   | 3.000     | Pass    |
|                   |              |           | RB8#0                  | 21.29                           | -1.16               | -3.31               | 17.98     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB8#4                  | 21.35                           | -1.16               | -3.31               | 18.04     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB8#7                  | 21.31                           | -1.16               | -3.31               | 18.00     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB15#0                 | 21.3                            | -1.16               | -3.31               | 17.99     | 0.063   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.7                            | -1.16               | -3.31               | 18.39     | 0.069   | 3.000     | Pass    |
|                   |              |           | RB1#7                  | 21.7                            | -1.16               | -3.31               | 18.39     | 0.069   | 3.000     | Pass    |
|                   |              |           | RB1#14                 | 21.69                           | -1.16               | -3.31               | 18.38     | 0.069   | 3.000     | Pass    |
|                   |              |           | RB8#0                  | 20.46                           | -1.16               | -3.31               | 17.15     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB8#4                  | 20.49                           | -1.16               | -3.31               | 17.18     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB8#7                  | 20.45                           | -1.16               | -3.31               | 17.14     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB15#0                 | 20.38                           | -1.16               | -3.31               | 17.07     | 0.051   | 3.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 22.36                           | -1.16               | -3.31               | 19.05     | 0.080   | 3.000     | Pass    |
|                   |              |           | RB1#7                  | 22.32                           | -1.16               | -3.31               | 19.01     | 0.080   | 3.000     | Pass    |
|                   |              |           | RB1#14                 | 22.33                           | -1.16               | -3.31               | 19.02     | 0.080   | 3.000     | Pass    |
|                   |              |           | RB8#0                  | 21.32                           | -1.16               | -3.31               | 18.01     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB8#4                  | 21.39                           | -1.16               | -3.31               | 18.08     | 0.064   | 3.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenn a Gain (dBi) | Antenn a Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|---------------------|---------------------|-----------|---------|-----------|---------|
| <b>LTE BAND12</b> |              |           |                        |                                 |                     |                     |           |         |           |         |
|                   |              | 16-QAM    | RB8#7                  | 21.36                           | -1.16               | -3.31               | 18.05     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB15#0                 | 21.33                           | -1.16               | -3.31               | 18.02     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB1#0                  | 21.43                           | -1.16               | -3.31               | 18.12     | 0.065   | 3.000     | Pass    |
|                   |              |           | RB1#7                  | 21.36                           | -1.16               | -3.31               | 18.05     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB1#14                 | 21.36                           | -1.16               | -3.31               | 18.05     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB8#0                  | 20.44                           | -1.16               | -3.31               | 17.13     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB8#4                  | 20.47                           | -1.16               | -3.31               | 17.16     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB8#7                  | 20.45                           | -1.16               | -3.31               | 17.14     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB15#0                 | 20.34                           | -1.16               | -3.31               | 17.03     | 0.050   | 3.000     | Pass    |
| 5 MHz             | LCH          | QPSK      | RB1#0                  | 22.2                            | -1.16               | -3.31               | 18.89     | 0.077   | 3.000     | Pass    |
|                   |              |           | RB1#13                 | 22.33                           | -1.16               | -3.31               | 19.02     | 0.080   | 3.000     | Pass    |
|                   |              |           | RB1#24                 | 22.25                           | -1.16               | -3.31               | 18.94     | 0.078   | 3.000     | Pass    |
|                   |              |           | RB12#0                 | 21.2                            | -1.16               | -3.31               | 17.89     | 0.062   | 3.000     | Pass    |
|                   |              |           | RB12#6                 | 21.35                           | -1.16               | -3.31               | 18.04     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB12#13                | 21.29                           | -1.16               | -3.31               | 17.98     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 21.26                           | -1.16               | -3.31               | 17.95     | 0.062   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.33                           | -1.16               | -3.31               | 18.02     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB1#13                 | 21.52                           | -1.16               | -3.31               | 18.21     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB1#24                 | 21.38                           | -1.16               | -3.31               | 18.07     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB12#0                 | 20.27                           | -1.16               | -3.31               | 16.96     | 0.050   | 3.000     | Pass    |
|                   |              |           | RB12#6                 | 20.46                           | -1.16               | -3.31               | 17.15     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB12#13                | 20.36                           | -1.16               | -3.31               | 17.05     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 20.36                           | -1.16               | -3.31               | 17.05     | 0.051   | 3.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 22.18                           | -1.16               | -3.31               | 18.87     | 0.077   | 3.000     | Pass    |
|                   |              |           | RB1#13                 | 22.37                           | -1.16               | -3.31               | 19.06     | 0.081   | 3.000     | Pass    |
|                   |              |           | RB1#24                 | 22.28                           | -1.16               | -3.31               | 18.97     | 0.079   | 3.000     | Pass    |
|                   |              |           | RB12#0                 | 21.29                           | -1.16               | -3.31               | 17.98     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB12#6                 | 21.36                           | -1.16               | -3.31               | 18.05     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB12#13                | 21.34                           | -1.16               | -3.31               | 18.03     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 21.29                           | -1.16               | -3.31               | 17.98     | 0.063   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.73                           | -1.16               | -3.31               | 18.42     | 0.070   | 3.000     | Pass    |
|                   |              |           | RB1#13                 | 21.89                           | -1.16               | -3.31               | 18.58     | 0.072   | 3.000     | Pass    |
|                   |              |           | RB1#24                 | 21.76                           | -1.16               | -3.31               | 18.45     | 0.070   | 3.000     | Pass    |
|                   |              |           | RB12#0                 | 20.49                           | -1.16               | -3.31               | 17.18     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB12#6                 | 20.53                           | -1.16               | -3.31               | 17.22     | 0.053   | 3.000     | Pass    |
|                   |              |           | RB12#13                | 20.46                           | -1.16               | -3.31               | 17.15     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 20.39                           | -1.16               | -3.31               | 17.08     | 0.051   | 3.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 22.16                           | -1.16               | -3.31               | 18.85     | 0.077   | 3.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenn a Gain (dBi) | Antenn a Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|---------------------|---------------------|-----------|---------|-----------|---------|
| <b>LTE BAND12</b> |              |           |                        |                                 |                     |                     |           |         |           |         |
|                   |              |           | RB1#13                 | 22.37                           | -1.16               | -3.31               | 19.06     | 0.081   | 3.000     | Pass    |
|                   |              |           | RB1#24                 | 22.25                           | -1.16               | -3.31               | 18.94     | 0.078   | 3.000     | Pass    |
|                   |              |           | RB12#0                 | 21.35                           | -1.16               | -3.31               | 18.04     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB12#6                 | 21.41                           | -1.16               | -3.31               | 18.10     | 0.065   | 3.000     | Pass    |
|                   |              |           | RB12#13                | 21.33                           | -1.16               | -3.31               | 18.02     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 21.34                           | -1.16               | -3.31               | 18.03     | 0.064   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.37                           | -1.16               | -3.31               | 18.06     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB1#13                 | 21.5                            | -1.16               | -3.31               | 18.19     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB1#24                 | 21.37                           | -1.16               | -3.31               | 18.06     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB12#0                 | 20.41                           | -1.16               | -3.31               | 17.10     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB12#6                 | 20.48                           | -1.16               | -3.31               | 17.17     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB12#13                | 20.38                           | -1.16               | -3.31               | 17.07     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 20.31                           | -1.16               | -3.31               | 17.00     | 0.050   | 3.000     | Pass    |
|                   |              |           |                        |                                 |                     |                     |           |         |           |         |
| 10 MHz            | LCH          | QPSK      | RB1#0                  | 22.2                            | -1.16               | -3.31               | 18.89     | 0.077   | 3.000     | Pass    |
|                   |              |           | RB1#25                 | 22.45                           | -1.16               | -3.31               | 19.14     | 0.082   | 3.000     | Pass    |
|                   |              |           | RB1#49                 | 22.32                           | -1.16               | -3.31               | 19.01     | 0.080   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 21.29                           | -1.16               | -3.31               | 17.98     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB25#13                | 21.3                            | -1.16               | -3.31               | 17.99     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB25#25                | 21.36                           | -1.16               | -3.31               | 18.05     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB50#0                 | 21.32                           | -1.16               | -3.31               | 18.01     | 0.063   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.18                           | -1.16               | -3.31               | 17.87     | 0.061   | 3.000     | Pass    |
|                   |              |           | RB1#25                 | 21.4                            | -1.16               | -3.31               | 18.09     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB1#49                 | 21.28                           | -1.16               | -3.31               | 17.97     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 20.4                            | -1.16               | -3.31               | 17.09     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB25#13                | 20.39                           | -1.16               | -3.31               | 17.08     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB25#25                | 20.4                            | -1.16               | -3.31               | 17.09     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB50#0                 | 20.37                           | -1.16               | -3.31               | 17.06     | 0.051   | 3.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 22.22                           | -1.16               | -3.31               | 18.91     | 0.078   | 3.000     | Pass    |
|                   |              |           | RB1#25                 | 22.47                           | -1.16               | -3.31               | 19.16     | 0.082   | 3.000     | Pass    |
|                   |              |           | RB1#49                 | 22.4                            | -1.16               | -3.31               | 19.09     | 0.081   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 21.39                           | -1.16               | -3.31               | 18.08     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB25#13                | 21.39                           | -1.16               | -3.31               | 18.08     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB25#25                | 21.38                           | -1.16               | -3.31               | 18.07     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB50#0                 | 21.4                            | -1.16               | -3.31               | 18.09     | 0.064   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.6                            | -1.16               | -3.31               | 18.29     | 0.067   | 3.000     | Pass    |
|                   |              |           | RB1#25                 | 21.87                           | -1.16               | -3.31               | 18.56     | 0.072   | 3.000     | Pass    |
|                   |              |           | RB1#49                 | 21.74                           | -1.16               | -3.31               | 18.43     | 0.070   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 20.44                           | -1.16               | -3.31               | 17.13     | 0.052   | 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> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                   | HCH          |           | RB25#13               | 20.49                           | -1.16              | -3.31              | 17.18     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB25#25               | 20.49                           | -1.16              | -3.31              | 17.18     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB50#0                | 20.46                           | -1.16              | -3.31              | 17.15     | 0.052   | 3.000     | Pass    |
|                   |              | QPSK      | RB1#0                 | 22.27                           | -1.16              | -3.31              | 18.96     | 0.079   | 3.000     | Pass    |
|                   |              |           | RB1#25                | 22.53                           | -1.16              | -3.31              | 19.22     | 0.084   | 3.000     | Pass    |
|                   |              |           | RB1#49                | 22.35                           | -1.16              | -3.31              | 19.04     | 0.080   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.37                           | -1.16              | -3.31              | 18.06     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB25#13               | 21.38                           | -1.16              | -3.31              | 18.07     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB25#25               | 21.36                           | -1.16              | -3.31              | 18.05     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB50#0                | 21.38                           | -1.16              | -3.31              | 18.07     | 0.064   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.32                           | -1.16              | -3.31              | 18.01     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB1#25                | 21.56                           | -1.16              | -3.31              | 18.25     | 0.067   | 3.000     | Pass    |
|                   |              |           | RB1#49                | 21.38                           | -1.16              | -3.31              | 18.07     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 20.54                           | -1.16              | -3.31              | 17.23     | 0.053   | 3.000     | Pass    |
|                   |              |           | RB25#13               | 20.55                           | -1.16              | -3.31              | 17.24     | 0.053   | 3.000     | Pass    |
|                   |              |           | RB25#25               | 20.52                           | -1.16              | -3.31              | 17.21     | 0.053   | 3.000     | Pass    |
|                   |              |           | RB50#0                | 20.47                           | -1.16              | -3.31              | 17.16     | 0.052   | 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 BAND13</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 5 MHz             | LCH          | QPSK      | RB1#0                 | 22.24                           | -1.23              | -3.38              | 18.86     | 0.077   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 22.42                           | -1.23              | -3.38              | 19.04     | 0.080   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 22.23                           | -1.23              | -3.38              | 18.85     | 0.077   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 21.35                           | -1.23              | -3.38              | 17.97     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 21.45                           | -1.23              | -3.38              | 18.07     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 21.42                           | -1.23              | -3.38              | 18.04     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.37                           | -1.23              | -3.38              | 17.99     | 0.063   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.36                           | -1.23              | -3.38              | 17.98     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 21.57                           | -1.23              | -3.38              | 18.19     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 21.47                           | -1.23              | -3.38              | 18.09     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 20.41                           | -1.23              | -3.38              | 17.03     | 0.050   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 20.51                           | -1.23              | -3.38              | 17.13     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 20.47                           | -1.23              | -3.38              | 17.09     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 20.47                           | -1.23              | -3.38              | 17.09     | 0.051   | 3.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.28                           | -1.23              | -3.38              | 18.90     | 0.078   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 22.39                           | -1.23              | -3.38              | 19.01     | 0.080   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 22.24                           | -1.23              | -3.38              | 18.86     | 0.077   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 21.31                           | -1.23              | -3.38              | 17.93     | 0.062   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 21.4                            | -1.23              | -3.38              | 18.02     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 21.38                           | -1.23              | -3.38              | 18.00     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.35                           | -1.23              | -3.38              | 17.97     | 0.063   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.77                           | -1.23              | -3.38              | 18.39     | 0.069   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 21.9                            | -1.23              | -3.38              | 18.52     | 0.071   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 21.75                           | -1.23              | -3.38              | 18.37     | 0.069   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 20.49                           | -1.23              | -3.38              | 17.11     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 20.53                           | -1.23              | -3.38              | 17.15     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 20.56                           | -1.23              | -3.38              | 17.18     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 20.48                           | -1.23              | -3.38              | 17.10     | 0.051   | 3.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.22                           | -1.23              | -3.38              | 18.84     | 0.077   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 22.36                           | -1.23              | -3.38              | 18.98     | 0.079   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 22.23                           | -1.23              | -3.38              | 18.85     | 0.077   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 21.35                           | -1.23              | -3.38              | 17.97     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 21.39                           | -1.23              | -3.38              | 18.01     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 21.32                           | -1.23              | -3.38              | 17.94     | 0.062   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.33                           | -1.23              | -3.38              | 17.95     | 0.062   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.34                           | -1.23              | -3.38              | 17.96     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 21.5                            | -1.23              | -3.38              | 18.12     | 0.065   | 3.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenn a Gain (dBi) | Antenn a Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|---------------------|---------------------|-----------|---------|-----------|---------|
| <b>LTE BAND13</b> |              |           |                        |                                 |                     |                     |           |         |           |         |
| 10 MHz            | MCH          |           | RB1#24                 | 21.35                           | -1.23               | -3.38               | 17.97     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB12#0                 | 20.41                           | -1.23               | -3.38               | 17.03     | 0.050   | 3.000     | Pass    |
|                   |              |           | RB12#6                 | 20.46                           | -1.23               | -3.38               | 17.08     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB12#13                | 20.36                           | -1.23               | -3.38               | 16.98     | 0.050   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 20.34                           | -1.23               | -3.38               | 16.96     | 0.050   | 3.000     | Pass    |
|                   |              | QPSK      | RB1#0                  | 22.35                           | -1.23               | -3.38               | 18.97     | 0.079   | 3.000     | Pass    |
|                   |              |           | RB1#25                 | 22.49                           | -1.23               | -3.38               | 19.11     | 0.081   | 3.000     | Pass    |
|                   |              |           | RB1#49                 | 22.27                           | -1.23               | -3.38               | 18.89     | 0.077   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 21.34                           | -1.23               | -3.38               | 17.96     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB25#13                | 21.37                           | -1.23               | -3.38               | 17.99     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB25#25                | 21.42                           | -1.23               | -3.38               | 18.04     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB50#0                 | 21.4                            | -1.23               | -3.38               | 18.02     | 0.063   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.22                           | -1.23               | -3.38               | 17.84     | 0.061   | 3.000     | Pass    |
|                   |              |           | RB1#25                 | 21.4                            | -1.23               | -3.38               | 18.02     | 0.063   | 3.000     | Pass    |
|                   |              |           | RB1#49                 | 21.24                           | -1.23               | -3.38               | 17.86     | 0.061   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 20.42                           | -1.23               | -3.38               | 17.04     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB25#13                | 20.42                           | -1.23               | -3.38               | 17.04     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB25#25                | 20.44                           | -1.23               | -3.38               | 17.06     | 0.051   | 3.000     | Pass    |
|                   |              |           | RB50#0                 | 20.41                           | -1.23               | -3.38               | 17.03     | 0.050   | 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                 | 22.32                           | -1.15              | -3.3               | 19.02     | 0.080   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 22.58                           | -1.15              | -3.3               | 19.28     | 0.085   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 22.42                           | -1.15              | -3.3               | 19.12     | 0.082   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 21.4                            | -1.15              | -3.3               | 18.10     | 0.065   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 21.53                           | -1.15              | -3.3               | 18.23     | 0.067   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 21.49                           | -1.15              | -3.3               | 18.19     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.43                           | -1.15              | -3.3               | 18.13     | 0.065   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.45                           | -1.15              | -3.3               | 18.15     | 0.065   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 21.7                            | -1.15              | -3.3               | 18.40     | 0.069   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 21.57                           | -1.15              | -3.3               | 18.27     | 0.067   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 20.55                           | -1.15              | -3.3               | 17.25     | 0.053   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 20.65                           | -1.15              | -3.3               | 17.35     | 0.054   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 20.63                           | -1.15              | -3.3               | 17.33     | 0.054   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 20.53                           | -1.15              | -3.3               | 17.23     | 0.053   | 3.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.32                           | -1.15              | -3.3               | 19.02     | 0.080   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 22.57                           | -1.15              | -3.3               | 19.27     | 0.085   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 22.44                           | -1.15              | -3.3               | 19.14     | 0.082   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 21.43                           | -1.15              | -3.3               | 18.13     | 0.065   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 21.56                           | -1.15              | -3.3               | 18.26     | 0.067   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 21.51                           | -1.15              | -3.3               | 18.21     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.49                           | -1.15              | -3.3               | 18.19     | 0.066   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.89                           | -1.15              | -3.3               | 18.59     | 0.072   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 22.07                           | -1.15              | -3.3               | 18.77     | 0.075   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 21.91                           | -1.15              | -3.3               | 18.61     | 0.073   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 20.63                           | -1.15              | -3.3               | 17.33     | 0.054   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 20.69                           | -1.15              | -3.3               | 17.39     | 0.055   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 20.64                           | -1.15              | -3.3               | 17.34     | 0.054   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 20.56                           | -1.15              | -3.3               | 17.26     | 0.053   | 3.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.39                           | -1.15              | -3.3               | 19.09     | 0.081   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 22.53                           | -1.15              | -3.3               | 19.23     | 0.084   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 22.35                           | -1.15              | -3.3               | 19.05     | 0.080   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 21.48                           | -1.15              | -3.3               | 18.18     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 21.57                           | -1.15              | -3.3               | 18.27     | 0.067   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 21.49                           | -1.15              | -3.3               | 18.19     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.47                           | -1.15              | -3.3               | 18.17     | 0.066   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.53                           | -1.15              | -3.3               | 18.23     | 0.067   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 21.66                           | -1.15              | -3.3               | 18.36     | 0.069   | 3.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenn a Gain (dBi) | Antenn a Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|---------------------|---------------------|-----------|---------|-----------|---------|
| <b>LTE BAND17</b> |              |           |                        |                                 |                     |                     |           |         |           |         |
| 10 MHz            |              |           | RB1#24                 | 21.56                           | -1.15               | -3.3                | 18.26     | 0.067   | 3.000     | Pass    |
|                   |              |           | RB12#0                 | 20.56                           | -1.15               | -3.3                | 17.26     | 0.053   | 3.000     | Pass    |
|                   |              |           | RB12#6                 | 20.59                           | -1.15               | -3.3                | 17.29     | 0.054   | 3.000     | Pass    |
|                   |              |           | RB12#13                | 20.52                           | -1.15               | -3.3                | 17.22     | 0.053   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 20.42                           | -1.15               | -3.3                | 17.12     | 0.052   | 3.000     | Pass    |
|                   | LCH          | QPSK      | RB1#0                  | 22.34                           | -1.15               | -3.3                | 19.04     | 0.080   | 3.000     | Pass    |
|                   |              |           | RB1#25                 | 22.65                           | -1.15               | -3.3                | 19.35     | 0.086   | 3.000     | Pass    |
|                   |              |           | RB1#49                 | 22.47                           | -1.15               | -3.3                | 19.17     | 0.083   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 21.5                            | -1.15               | -3.3                | 18.20     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB25#13                | 21.56                           | -1.15               | -3.3                | 18.26     | 0.067   | 3.000     | Pass    |
|                   |              |           | RB25#25                | 21.57                           | -1.15               | -3.3                | 18.27     | 0.067   | 3.000     | Pass    |
|                   |              |           | RB50#0                 | 21.57                           | -1.15               | -3.3                | 18.27     | 0.067   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.34                           | -1.15               | -3.3                | 18.04     | 0.064   | 3.000     | Pass    |
|                   |              |           | RB1#25                 | 21.62                           | -1.15               | -3.3                | 18.32     | 0.068   | 3.000     | Pass    |
|                   |              |           | RB1#49                 | 21.4                            | -1.15               | -3.3                | 18.10     | 0.065   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 20.56                           | -1.15               | -3.3                | 17.26     | 0.053   | 3.000     | Pass    |
|                   |              |           | RB25#13                | 20.58                           | -1.15               | -3.3                | 17.28     | 0.053   | 3.000     | Pass    |
|                   |              |           | RB25#25                | 20.61                           | -1.15               | -3.3                | 17.31     | 0.054   | 3.000     | Pass    |
|                   |              |           | RB50#0                 | 20.57                           | -1.15               | -3.3                | 17.27     | 0.053   | 3.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 22.44                           | -1.15               | -3.3                | 19.14     | 0.082   | 3.000     | Pass    |
|                   |              |           | RB1#25                 | 22.68                           | -1.15               | -3.3                | 19.38     | 0.087   | 3.000     | Pass    |
|                   |              |           | RB1#49                 | 22.53                           | -1.15               | -3.3                | 19.23     | 0.084   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 21.51                           | -1.15               | -3.3                | 18.21     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB25#13                | 21.54                           | -1.15               | -3.3                | 18.24     | 0.067   | 3.000     | Pass    |
|                   |              |           | RB25#25                | 21.57                           | -1.15               | -3.3                | 18.27     | 0.067   | 3.000     | Pass    |
|                   |              |           | RB50#0                 | 21.54                           | -1.15               | -3.3                | 18.24     | 0.067   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.8                            | -1.15               | -3.3                | 18.50     | 0.071   | 3.000     | Pass    |
|                   |              |           | RB1#25                 | 22.1                            | -1.15               | -3.3                | 18.80     | 0.076   | 3.000     | Pass    |
|                   |              |           | RB1#49                 | 21.91                           | -1.15               | -3.3                | 18.61     | 0.073   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 20.62                           | -1.15               | -3.3                | 17.32     | 0.054   | 3.000     | Pass    |
|                   |              |           | RB25#13                | 20.59                           | -1.15               | -3.3                | 17.29     | 0.054   | 3.000     | Pass    |
|                   |              |           | RB25#25                | 20.61                           | -1.15               | -3.3                | 17.31     | 0.054   | 3.000     | Pass    |
|                   |              |           | RB50#0                 | 20.58                           | -1.15               | -3.3                | 17.28     | 0.053   | 3.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 22.45                           | -1.15               | -3.3                | 19.15     | 0.082   | 3.000     | Pass    |
|                   |              |           | RB1#25                 | 22.69                           | -1.15               | -3.3                | 19.39     | 0.087   | 3.000     | Pass    |
|                   |              |           | RB1#49                 | 22.53                           | -1.15               | -3.3                | 19.23     | 0.084   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 21.55                           | -1.15               | -3.3                | 18.25     | 0.067   | 3.000     | Pass    |
|                   |              |           | RB25#13                | 21.56                           | -1.15               | -3.3                | 18.26     | 0.067   | 3.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenn a Gain (dBi) | Antenn a Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|---------------------|---------------------|-----------|---------|-----------|---------|
| <b>LTE BAND17</b> |              |           |                        |                                 |                     |                     |           |         |           |         |
|                   |              |           | RB25#25                | 21.5                            | -1.15               | -3.3                | 18.20     | 0.066   | 3.000     | Pass    |
|                   |              |           | RB50#0                 | 21.53                           | -1.15               | -3.3                | 18.23     | 0.067   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.46                           | -1.15               | -3.3                | 18.16     | 0.065   | 3.000     | Pass    |
|                   |              |           | RB1#25                 | 21.68                           | -1.15               | -3.3                | 18.38     | 0.069   | 3.000     | Pass    |
|                   |              |           | RB1#49                 | 21.55                           | -1.15               | -3.3                | 18.25     | 0.067   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 20.64                           | -1.15               | -3.3                | 17.34     | 0.054   | 3.000     | Pass    |
|                   |              |           | RB25#13                | 20.65                           | -1.15               | -3.3                | 17.35     | 0.054   | 3.000     | Pass    |
|                   |              |           | RB25#25                | 20.63                           | -1.15               | -3.3                | 17.33     | 0.054   | 3.000     | Pass    |
|                   |              |           | RB50#0                 | 20.61                           | -1.15               | -3.3                | 17.31     | 0.054   | 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                 | 22.19                           | -1.06              | -3.21              | 18.98     | 0.079   | 7.000     | Pass    |
|                           |              |           | RB1#13                | 22.35                           | -1.06              | -3.21              | 19.14     | 0.082   | 7.000     | Pass    |
|                           |              |           | RB1#24                | 22.23                           | -1.06              | -3.21              | 19.02     | 0.080   | 7.000     | Pass    |
|                           |              |           | RB12#0                | 21.29                           | -1.06              | -3.21              | 18.08     | 0.064   | 7.000     | Pass    |
|                           |              |           | RB12#6                | 21.36                           | -1.06              | -3.21              | 18.15     | 0.065   | 7.000     | Pass    |
|                           |              |           | RB12#13               | 21.32                           | -1.06              | -3.21              | 18.11     | 0.065   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 21.29                           | -1.06              | -3.21              | 18.08     | 0.064   | 7.000     | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 21.35                           | -1.06              | -3.21              | 18.14     | 0.065   | 7.000     | Pass    |
|                           |              |           | RB1#13                | 21.52                           | -1.06              | -3.21              | 18.31     | 0.068   | 7.000     | Pass    |
|                           |              |           | RB1#24                | 21.41                           | -1.06              | -3.21              | 18.20     | 0.066   | 7.000     | Pass    |
|                           |              |           | RB12#0                | 20.37                           | -1.06              | -3.21              | 17.16     | 0.052   | 7.000     | Pass    |
|                           |              |           | RB12#6                | 20.42                           | -1.06              | -3.21              | 17.21     | 0.053   | 7.000     | Pass    |
|                           |              |           | RB12#13               | 20.4                            | -1.06              | -3.21              | 17.19     | 0.052   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 20.35                           | -1.06              | -3.21              | 17.14     | 0.052   | 7.000     | Pass    |
|                           | MCH          | QPSK      | RB1#0                 | 22.16                           | -1.06              | -3.21              | 18.95     | 0.079   | 7.000     | Pass    |
|                           |              |           | RB1#13                | 22.37                           | -1.06              | -3.21              | 19.16     | 0.082   | 7.000     | Pass    |
|                           |              |           | RB1#24                | 22.23                           | -1.06              | -3.21              | 19.02     | 0.080   | 7.000     | Pass    |
|                           |              |           | RB12#0                | 21.27                           | -1.06              | -3.21              | 18.06     | 0.064   | 7.000     | Pass    |
|                           |              |           | RB12#6                | 21.41                           | -1.06              | -3.21              | 18.20     | 0.066   | 7.000     | Pass    |
|                           |              |           | RB12#13               | 21.34                           | -1.06              | -3.21              | 18.13     | 0.065   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 21.33                           | -1.06              | -3.21              | 18.12     | 0.065   | 7.000     | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 21.69                           | -1.06              | -3.21              | 18.48     | 0.070   | 7.000     | Pass    |
|                           |              |           | RB1#13                | 21.87                           | -1.06              | -3.21              | 18.66     | 0.073   | 7.000     | Pass    |
|                           |              |           | RB1#24                | 21.72                           | -1.06              | -3.21              | 18.51     | 0.071   | 7.000     | Pass    |
|                           |              |           | RB12#0                | 20.46                           | -1.06              | -3.21              | 17.25     | 0.053   | 7.000     | Pass    |
|                           |              |           | RB12#6                | 20.52                           | -1.06              | -3.21              | 17.31     | 0.054   | 7.000     | Pass    |
|                           |              |           | RB12#13               | 20.51                           | -1.06              | -3.21              | 17.30     | 0.054   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 20.41                           | -1.06              | -3.21              | 17.20     | 0.052   | 7.000     | Pass    |
|                           | HCH          | QPSK      | RB1#0                 | 22.15                           | -1.06              | -3.21              | 18.94     | 0.078   | 7.000     | Pass    |
|                           |              |           | RB1#13                | 22.34                           | -1.06              | -3.21              | 19.13     | 0.082   | 7.000     | Pass    |
|                           |              |           | RB1#24                | 22.2                            | -1.06              | -3.21              | 18.99     | 0.079   | 7.000     | Pass    |
|                           |              |           | RB12#0                | 21.31                           | -1.06              | -3.21              | 18.10     | 0.065   | 7.000     | Pass    |
|                           |              |           | RB12#6                | 21.4                            | -1.06              | -3.21              | 18.19     | 0.066   | 7.000     | Pass    |
|                           |              |           | RB12#13               | 21.3                            | -1.06              | -3.21              | 18.09     | 0.064   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 21.32                           | -1.06              | -3.21              | 18.11     | 0.065   | 7.000     | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 21.28                           | -1.06              | -3.21              | 18.07     | 0.064   | 7.000     | Pass    |
|                           |              |           | RB1#13                | 21.46                           | -1.06              | -3.21              | 18.25     | 0.067   | 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(Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                           |              |           | RB1#24                | 21.34                           | -1.06              | -3.21              | 18.13     | 0.065   | 7.000     | Pass    |
|                           |              |           | RB12#0                | 20.3                            | -1.06              | -3.21              | 17.09     | 0.051   | 7.000     | Pass    |
|                           |              |           | RB12#6                | 20.45                           | -1.06              | -3.21              | 17.24     | 0.053   | 7.000     | Pass    |
|                           |              |           | RB12#13               | 20.4                            | -1.06              | -3.21              | 17.19     | 0.052   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 20.3                            | -1.06              | -3.21              | 17.09     | 0.051   | 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                 | 22.17                           | -1.06              | -3.21              | 18.96     | 0.079   | 100.000   | Pass    |
|                           |              |           | RB1#13                | 22.3                            | -1.06              | -3.21              | 19.09     | 0.081   | 100.000   | Pass    |
|                           |              |           | RB1#24                | 22.11                           | -1.06              | -3.21              | 18.90     | 0.078   | 100.000   | Pass    |
|                           |              |           | RB12#0                | 21.2                            | -1.06              | -3.21              | 17.99     | 0.063   | 100.000   | Pass    |
|                           |              |           | RB12#6                | 21.32                           | -1.06              | -3.21              | 18.11     | 0.065   | 100.000   | Pass    |
|                           |              |           | RB12#13               | 21.26                           | -1.06              | -3.21              | 18.05     | 0.064   | 100.000   | Pass    |
|                           |              |           | RB25#0                | 21.26                           | -1.06              | -3.21              | 18.05     | 0.064   | 100.000   | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 21.32                           | -1.06              | -3.21              | 18.11     | 0.065   | 100.000   | Pass    |
|                           |              |           | RB1#13                | 21.46                           | -1.06              | -3.21              | 18.25     | 0.067   | 100.000   | Pass    |
|                           |              |           | RB1#24                | 21.28                           | -1.06              | -3.21              | 18.07     | 0.064   | 100.000   | Pass    |
|                           |              |           | RB12#0                | 20.28                           | -1.06              | -3.21              | 17.07     | 0.051   | 100.000   | Pass    |
|                           |              |           | RB12#6                | 20.39                           | -1.06              | -3.21              | 17.18     | 0.052   | 100.000   | Pass    |
|                           |              |           | RB12#13               | 20.35                           | -1.06              | -3.21              | 17.14     | 0.052   | 100.000   | Pass    |
|                           |              |           | RB25#0                | 20.27                           | -1.06              | -3.21              | 17.06     | 0.051   | 100.000   | Pass    |
|                           | MCH          | QPSK      | RB1#0                 | 22.18                           | -1.06              | -3.21              | 18.97     | 0.079   | 100.000   | Pass    |
|                           |              |           | RB1#13                | 22.27                           | -1.06              | -3.21              | 19.06     | 0.081   | 100.000   | Pass    |
|                           |              |           | RB1#24                | 22.13                           | -1.06              | -3.21              | 18.92     | 0.078   | 100.000   | Pass    |
|                           |              |           | RB12#0                | 21.19                           | -1.06              | -3.21              | 17.98     | 0.063   | 100.000   | Pass    |
|                           |              |           | RB12#6                | 21.29                           | -1.06              | -3.21              | 18.08     | 0.064   | 100.000   | Pass    |
|                           |              |           | RB12#13               | 21.26                           | -1.06              | -3.21              | 18.05     | 0.064   | 100.000   | Pass    |
|                           |              |           | RB25#0                | 21.23                           | -1.06              | -3.21              | 18.02     | 0.063   | 100.000   | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 21.64                           | -1.06              | -3.21              | 18.43     | 0.070   | 100.000   | Pass    |
|                           |              |           | RB1#13                | 21.76                           | -1.06              | -3.21              | 18.55     | 0.072   | 100.000   | Pass    |
|                           |              |           | RB1#24                | 21.64                           | -1.06              | -3.21              | 18.43     | 0.070   | 100.000   | Pass    |
|                           |              |           | RB12#0                | 20.34                           | -1.06              | -3.21              | 17.13     | 0.052   | 100.000   | Pass    |
|                           |              |           | RB12#6                | 20.42                           | -1.06              | -3.21              | 17.21     | 0.053   | 100.000   | Pass    |
|                           |              |           | RB12#13               | 20.42                           | -1.06              | -3.21              | 17.21     | 0.053   | 100.000   | Pass    |
|                           |              |           | RB25#0                | 20.31                           | -1.06              | -3.21              | 17.10     | 0.051   | 100.000   | Pass    |
|                           | HCH          | QPSK      | RB1#0                 | 22.12                           | -1.06              | -3.21              | 18.91     | 0.078   | 100.000   | Pass    |
|                           |              |           | RB1#13                | 22.24                           | -1.06              | -3.21              | 19.03     | 0.080   | 100.000   | Pass    |
|                           |              |           | RB1#24                | 22.14                           | -1.06              | -3.21              | 18.93     | 0.078   | 100.000   | Pass    |
|                           |              |           | RB12#0                | 21.17                           | -1.06              | -3.21              | 17.96     | 0.063   | 100.000   | Pass    |
|                           |              |           | RB12#6                | 21.32                           | -1.06              | -3.21              | 18.11     | 0.065   | 100.000   | Pass    |
|                           |              |           | RB12#13               | 21.3                            | -1.06              | -3.21              | 18.09     | 0.064   | 100.000   | Pass    |
|                           |              |           | RB25#0                | 21.24                           | -1.06              | -3.21              | 18.03     | 0.064   | 100.000   | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 21.24                           | -1.06              | -3.21              | 18.03     | 0.064   | 100.000   | Pass    |
|                           |              |           | RB1#13                | 21.41                           | -1.06              | -3.21              | 18.20     | 0.066   | 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 BAND18(Part90)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                           |              |           | RB1#24                | 21.31                           | -1.06              | -3.21              | 18.10     | 0.065   | 100.000   | Pass    |
|                           |              |           | RB12#0                | 20.21                           | -1.06              | -3.21              | 17.00     | 0.050   | 100.000   | Pass    |
|                           |              |           | RB12#6                | 20.36                           | -1.06              | -3.21              | 17.15     | 0.052   | 100.000   | Pass    |
|                           |              |           | RB12#13               | 20.35                           | -1.06              | -3.21              | 17.14     | 0.052   | 100.000   | Pass    |
|                           |              |           | RB25#0                | 20.2                            | -1.06              | -3.21              | 16.99     | 0.050   | 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 BAND19</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 5 MHz             | LCH          | QPSK      | RB1#0                 | 22.21                           | -1.05              | -3.2               | 19.01     | 0.080   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 22.36                           | -1.05              | -3.2               | 19.16     | 0.082   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 22.27                           | -1.05              | -3.2               | 19.07     | 0.081   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 21.31                           | -1.05              | -3.2               | 18.11     | 0.065   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 21.38                           | -1.05              | -3.2               | 18.18     | 0.066   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 21.37                           | -1.05              | -3.2               | 18.17     | 0.066   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.32                           | -1.05              | -3.2               | 18.12     | 0.065   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.34                           | -1.05              | -3.2               | 18.14     | 0.065   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 21.49                           | -1.05              | -3.2               | 18.29     | 0.067   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 21.44                           | -1.05              | -3.2               | 18.24     | 0.067   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 20.32                           | -1.05              | -3.2               | 17.12     | 0.052   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 20.45                           | -1.05              | -3.2               | 17.25     | 0.053   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 20.41                           | -1.05              | -3.2               | 17.21     | 0.053   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 20.28                           | -1.05              | -3.2               | 17.08     | 0.051   | 7.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.26                           | -1.05              | -3.2               | 19.06     | 0.081   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 22.35                           | -1.05              | -3.2               | 19.15     | 0.082   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 22.25                           | -1.05              | -3.2               | 19.05     | 0.080   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 21.35                           | -1.05              | -3.2               | 18.15     | 0.065   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 21.43                           | -1.05              | -3.2               | 18.23     | 0.067   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 21.37                           | -1.05              | -3.2               | 18.17     | 0.066   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.34                           | -1.05              | -3.2               | 18.14     | 0.065   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.43                           | -1.05              | -3.2               | 18.23     | 0.067   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 21.53                           | -1.05              | -3.2               | 18.33     | 0.068   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 21.42                           | -1.05              | -3.2               | 18.22     | 0.066   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 20.45                           | -1.05              | -3.2               | 17.25     | 0.053   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 20.48                           | -1.05              | -3.2               | 17.28     | 0.053   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 20.41                           | -1.05              | -3.2               | 17.21     | 0.053   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 20.39                           | -1.05              | -3.2               | 17.19     | 0.052   | 7.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.29                           | -1.05              | -3.2               | 19.09     | 0.081   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 22.37                           | -1.05              | -3.2               | 19.17     | 0.083   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 22.24                           | -1.05              | -3.2               | 19.04     | 0.080   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 21.36                           | -1.05              | -3.2               | 18.16     | 0.065   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 21.35                           | -1.05              | -3.2               | 18.15     | 0.065   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 21.29                           | -1.05              | -3.2               | 18.09     | 0.064   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.31                           | -1.05              | -3.2               | 18.11     | 0.065   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.75                           | -1.05              | -3.2               | 18.55     | 0.072   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 21.82                           | -1.05              | -3.2               | 18.62     | 0.073   | 7.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenn a Gain (dBi) | Antenn a Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|---------------------|---------------------|-----------|---------|-----------|---------|
| <b>LTE BAND19</b> |              |           |                        |                                 |                     |                     |           |         |           |         |
| 10 MHz            |              |           | RB1#24                 | 21.69                           | -1.05               | -3.2                | 18.49     | 0.071   | 7.000     | Pass    |
|                   |              |           | RB12#0                 | 20.48                           | -1.05               | -3.2                | 17.28     | 0.053   | 7.000     | Pass    |
|                   |              |           | RB12#6                 | 20.52                           | -1.05               | -3.2                | 17.32     | 0.054   | 7.000     | Pass    |
|                   |              |           | RB12#13                | 20.45                           | -1.05               | -3.2                | 17.25     | 0.053   | 7.000     | Pass    |
|                   |              |           | RB25#0                 | 20.39                           | -1.05               | -3.2                | 17.19     | 0.052   | 7.000     | Pass    |
|                   | LCH          | QPSK      | RB1#0                  | 22.25                           | -1.05               | -3.2                | 19.05     | 0.080   | 7.000     | Pass    |
|                   |              |           | RB1#25                 | 22.45                           | -1.05               | -3.2                | 19.25     | 0.084   | 7.000     | Pass    |
|                   |              |           | RB1#49                 | 22.23                           | -1.05               | -3.2                | 19.03     | 0.080   | 7.000     | Pass    |
|                   |              |           | RB25#0                 | 21.33                           | -1.05               | -3.2                | 18.13     | 0.065   | 7.000     | Pass    |
|                   |              |           | RB25#13                | 21.4                            | -1.05               | -3.2                | 18.20     | 0.066   | 7.000     | Pass    |
|                   |              |           | RB25#25                | 21.41                           | -1.05               | -3.2                | 18.21     | 0.066   | 7.000     | Pass    |
|                   |              |           | RB50#0                 | 21.38                           | -1.05               | -3.2                | 18.18     | 0.066   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.19                           | -1.05               | -3.2                | 17.99     | 0.063   | 7.000     | Pass    |
|                   |              |           | RB1#25                 | 21.44                           | -1.05               | -3.2                | 18.24     | 0.067   | 7.000     | Pass    |
|                   |              |           | RB1#49                 | 21.27                           | -1.05               | -3.2                | 18.07     | 0.064   | 7.000     | Pass    |
|                   |              |           | RB25#0                 | 20.37                           | -1.05               | -3.2                | 17.17     | 0.052   | 7.000     | Pass    |
|                   |              |           | RB25#13                | 20.44                           | -1.05               | -3.2                | 17.24     | 0.053   | 7.000     | Pass    |
|                   |              |           | RB25#25                | 20.48                           | -1.05               | -3.2                | 17.28     | 0.053   | 7.000     | Pass    |
|                   |              |           | RB50#0                 | 20.41                           | -1.05               | -3.2                | 17.21     | 0.053   | 7.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 22.29                           | -1.05               | -3.2                | 19.09     | 0.081   | 7.000     | Pass    |
|                   |              |           | RB1#25                 | 22.48                           | -1.05               | -3.2                | 19.28     | 0.085   | 7.000     | Pass    |
|                   |              |           | RB1#49                 | 22.32                           | -1.05               | -3.2                | 19.12     | 0.082   | 7.000     | Pass    |
|                   |              |           | RB25#0                 | 21.36                           | -1.05               | -3.2                | 18.16     | 0.065   | 7.000     | Pass    |
|                   |              |           | RB25#13                | 21.41                           | -1.05               | -3.2                | 18.21     | 0.066   | 7.000     | Pass    |
|                   |              |           | RB25#25                | 21.36                           | -1.05               | -3.2                | 18.16     | 0.065   | 7.000     | Pass    |
|                   |              |           | RB50#0                 | 21.39                           | -1.05               | -3.2                | 18.19     | 0.066   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.7                            | -1.05               | -3.2                | 18.50     | 0.071   | 7.000     | Pass    |
|                   |              |           | RB1#25                 | 21.84                           | -1.05               | -3.2                | 18.64     | 0.073   | 7.000     | Pass    |
|                   |              |           | RB1#49                 | 21.64                           | -1.05               | -3.2                | 18.44     | 0.070   | 7.000     | Pass    |
|                   |              |           | RB25#0                 | 20.41                           | -1.05               | -3.2                | 17.21     | 0.053   | 7.000     | Pass    |
|                   |              |           | RB25#13                | 20.44                           | -1.05               | -3.2                | 17.24     | 0.053   | 7.000     | Pass    |
|                   |              |           | RB25#25                | 20.42                           | -1.05               | -3.2                | 17.22     | 0.053   | 7.000     | Pass    |
|                   |              |           | RB50#0                 | 20.46                           | -1.05               | -3.2                | 17.26     | 0.053   | 7.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 22.36                           | -1.05               | -3.2                | 19.16     | 0.082   | 7.000     | Pass    |
|                   |              |           | RB1#25                 | 22.47                           | -1.05               | -3.2                | 19.27     | 0.085   | 7.000     | Pass    |
|                   |              |           | RB1#49                 | 22.29                           | -1.05               | -3.2                | 19.09     | 0.081   | 7.000     | Pass    |
|                   |              |           | RB25#0                 | 21.36                           | -1.05               | -3.2                | 18.16     | 0.065   | 7.000     | Pass    |
|                   |              |           | RB25#13                | 21.41                           | -1.05               | -3.2                | 18.21     | 0.066   | 7.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenn a Gain (dBi) | Antenn a Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|---------------------|---------------------|-----------|---------|-----------|---------|
| <b>LTE BAND19</b> |              |           |                        |                                 |                     |                     |           |         |           |         |
|                   |              | 16-QAM    | RB25#25                | 21.29                           | -1.05               | -3.2                | 18.09     | 0.064   | 7.000     | Pass    |
|                   |              |           | RB50#0                 | 21.34                           | -1.05               | -3.2                | 18.14     | 0.065   | 7.000     | Pass    |
|                   |              |           | RB1#0                  | 21.34                           | -1.05               | -3.2                | 18.14     | 0.065   | 7.000     | Pass    |
|                   |              |           | RB1#25                 | 21.52                           | -1.05               | -3.2                | 18.32     | 0.068   | 7.000     | Pass    |
|                   |              |           | RB1#49                 | 21.25                           | -1.05               | -3.2                | 18.05     | 0.064   | 7.000     | Pass    |
|                   |              |           | RB25#0                 | 20.46                           | -1.05               | -3.2                | 17.26     | 0.053   | 7.000     | Pass    |
|                   |              |           | RB25#13                | 20.53                           | -1.05               | -3.2                | 17.33     | 0.054   | 7.000     | Pass    |
|                   |              |           | RB25#25                | 20.4                            | -1.05               | -3.2                | 17.20     | 0.052   | 7.000     | Pass    |
|                   |              |           | RB50#0                 | 20.41                           | -1.05               | -3.2                | 17.21     | 0.053   | 7.000     | Pass    |
| 15 MHz            | MCH          | QPSK      | RB1#0                  | 22.26                           | -1.05               | -3.2                | 19.06     | 0.081   | 7.000     | Pass    |
|                   |              |           | RB1#38                 | 22.35                           | -1.05               | -3.2                | 19.15     | 0.082   | 7.000     | Pass    |
|                   |              |           | RB1#74                 | 22.24                           | -1.05               | -3.2                | 19.04     | 0.080   | 7.000     | Pass    |
|                   |              |           | RB36#0                 | 21.42                           | -1.05               | -3.2                | 18.22     | 0.066   | 7.000     | Pass    |
|                   |              |           | RB36#19                | 21.46                           | -1.05               | -3.2                | 18.26     | 0.067   | 7.000     | Pass    |
|                   |              |           | RB36#39                | 21.38                           | -1.05               | -3.2                | 18.18     | 0.066   | 7.000     | Pass    |
|                   |              |           | RB75#0                 | 21.39                           | -1.05               | -3.2                | 18.19     | 0.066   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.2                            | -1.05               | -3.2                | 18.00     | 0.063   | 7.000     | Pass    |
|                   |              |           | RB1#38                 | 21.27                           | -1.05               | -3.2                | 18.07     | 0.064   | 7.000     | Pass    |
|                   |              |           | RB1#74                 | 21.15                           | -1.05               | -3.2                | 17.95     | 0.062   | 7.000     | Pass    |
|                   |              |           | RB36#0                 | 20.37                           | -1.05               | -3.2                | 17.17     | 0.052   | 7.000     | Pass    |
|                   |              |           | RB36#19                | 20.4                            | -1.05               | -3.2                | 17.20     | 0.052   | 7.000     | Pass    |
|                   |              |           | RB36#39                | 20.4                            | -1.05               | -3.2                | 17.20     | 0.052   | 7.000     | Pass    |
|                   |              |           | RB75#0                 | 20.41                           | -1.05               | -3.2                | 17.21     | 0.053   | 7.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND25</b> |              |           |                       |                                 |                    |            |          |           |         |
| 1.4 MHz           | LCH          | QPSK      | RB1#0                 | 22.97                           | 0.32               | 23.29      | 0.213    | 2.000     | Pass    |
|                   |              |           | RB1#3                 | 23.18                           | 0.32               | 23.50      | 0.224    | 2.000     | Pass    |
|                   |              |           | RB1#5                 | 22.94                           | 0.32               | 23.26      | 0.212    | 2.000     | Pass    |
|                   |              |           | RB3#0                 | 23.08                           | 0.32               | 23.40      | 0.219    | 2.000     | Pass    |
|                   |              |           | RB3#2                 | 23.15                           | 0.32               | 23.47      | 0.222    | 2.000     | Pass    |
|                   |              |           | RB3#3                 | 23.04                           | 0.32               | 23.36      | 0.217    | 2.000     | Pass    |
|                   |              |           | RB6#0                 | 22.04                           | 0.32               | 22.36      | 0.172    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.04                           | 0.32               | 22.36      | 0.172    | 2.000     | Pass    |
|                   |              |           | RB1#3                 | 22.23                           | 0.32               | 22.55      | 0.180    | 2.000     | Pass    |
|                   |              |           | RB1#5                 | 22.07                           | 0.32               | 22.39      | 0.173    | 2.000     | Pass    |
|                   |              |           | RB3#0                 | 22.06                           | 0.32               | 22.38      | 0.173    | 2.000     | Pass    |
|                   |              |           | RB3#2                 | 22.12                           | 0.32               | 22.44      | 0.175    | 2.000     | Pass    |
|                   |              |           | RB3#3                 | 22.01                           | 0.32               | 22.33      | 0.171    | 2.000     | Pass    |
|                   |              |           | RB6#0                 | 21.19                           | 0.32               | 21.51      | 0.142    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.77                           | 0.32               | 23.09      | 0.204    | 2.000     | Pass    |
|                   |              |           | RB1#3                 | 22.94                           | 0.32               | 23.26      | 0.212    | 2.000     | Pass    |
|                   |              |           | RB1#5                 | 22.75                           | 0.32               | 23.07      | 0.203    | 2.000     | Pass    |
|                   |              |           | RB3#0                 | 22.85                           | 0.32               | 23.17      | 0.207    | 2.000     | Pass    |
|                   |              |           | RB3#2                 | 22.91                           | 0.32               | 23.23      | 0.210    | 2.000     | Pass    |
|                   |              |           | RB3#3                 | 22.85                           | 0.32               | 23.17      | 0.207    | 2.000     | Pass    |
|                   |              |           | RB6#0                 | 21.83                           | 0.32               | 22.15      | 0.164    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.15                           | 0.32               | 22.47      | 0.177    | 2.000     | Pass    |
|                   |              |           | RB1#3                 | 22.31                           | 0.32               | 22.63      | 0.183    | 2.000     | Pass    |
|                   |              |           | RB1#5                 | 22.15                           | 0.32               | 22.47      | 0.177    | 2.000     | Pass    |
|                   |              |           | RB3#0                 | 22.04                           | 0.32               | 22.36      | 0.172    | 2.000     | Pass    |
|                   |              |           | RB3#2                 | 22.05                           | 0.32               | 22.37      | 0.173    | 2.000     | Pass    |
|                   |              |           | RB3#3                 | 22.04                           | 0.32               | 22.36      | 0.172    | 2.000     | Pass    |
|                   |              |           | RB6#0                 | 20.77                           | 0.32               | 21.09      | 0.129    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.77                           | 0.32               | 23.09      | 0.204    | 2.000     | Pass    |
|                   |              |           | RB1#3                 | 23.01                           | 0.32               | 23.33      | 0.215    | 2.000     | Pass    |
|                   |              |           | RB1#5                 | 22.78                           | 0.32               | 23.10      | 0.204    | 2.000     | Pass    |
|                   |              |           | RB3#0                 | 22.84                           | 0.32               | 23.16      | 0.207    | 2.000     | Pass    |
|                   |              |           | RB3#2                 | 22.88                           | 0.32               | 23.20      | 0.209    | 2.000     | Pass    |
|                   |              |           | RB3#3                 | 22.84                           | 0.32               | 23.16      | 0.207    | 2.000     | Pass    |
|                   |              |           | RB6#0                 | 21.85                           | 0.32               | 22.17      | 0.165    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.74                           | 0.32               | 22.06      | 0.161    | 2.000     | Pass    |
|                   |              |           | RB1#3                 | 21.9                            | 0.32               | 22.22      | 0.167    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND25</b> |              |           |                       |                                 |                    |            |          |           |         |
| 3 MHz             |              |           | RB1#5                 | 21.7                            | 0.32               | 22.02      | 0.159    | 2.000     | Pass    |
|                   |              |           | RB3#0                 | 21.89                           | 0.32               | 22.21      | 0.166    | 2.000     | Pass    |
|                   |              |           | RB3#2                 | 21.98                           | 0.32               | 22.30      | 0.170    | 2.000     | Pass    |
|                   |              |           | RB3#3                 | 21.95                           | 0.32               | 22.27      | 0.169    | 2.000     | Pass    |
|                   |              |           | RB6#0                 | 20.96                           | 0.32               | 21.28      | 0.134    | 2.000     | Pass    |
|                   | LCH          | QPSK      | RB1#0                 | 23.03                           | 0.32               | 23.35      | 0.216    | 2.000     | Pass    |
|                   |              |           | RB1#7                 | 23.01                           | 0.32               | 23.33      | 0.215    | 2.000     | Pass    |
|                   |              |           | RB1#14                | 22.99                           | 0.32               | 23.31      | 0.214    | 2.000     | Pass    |
|                   |              |           | RB8#0                 | 22.05                           | 0.32               | 22.37      | 0.173    | 2.000     | Pass    |
|                   |              |           | RB8#4                 | 22.08                           | 0.32               | 22.40      | 0.174    | 2.000     | Pass    |
|                   |              |           | RB8#7                 | 22.05                           | 0.32               | 22.37      | 0.173    | 2.000     | Pass    |
|                   |              |           | RB15#0                | 22.03                           | 0.32               | 22.35      | 0.172    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.95                           | 0.32               | 22.27      | 0.169    | 2.000     | Pass    |
|                   |              |           | RB1#7                 | 21.92                           | 0.32               | 22.24      | 0.167    | 2.000     | Pass    |
|                   |              |           | RB1#14                | 21.92                           | 0.32               | 22.24      | 0.167    | 2.000     | Pass    |
|                   |              |           | RB8#0                 | 21.16                           | 0.32               | 21.48      | 0.141    | 2.000     | Pass    |
|                   |              |           | RB8#4                 | 21.17                           | 0.32               | 21.49      | 0.141    | 2.000     | Pass    |
|                   |              |           | RB8#7                 | 21.13                           | 0.32               | 21.45      | 0.140    | 2.000     | Pass    |
|                   |              |           | RB15#0                | 21.04                           | 0.32               | 21.36      | 0.137    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.84                           | 0.32               | 23.16      | 0.207    | 2.000     | Pass    |
|                   |              |           | RB1#7                 | 22.84                           | 0.32               | 23.16      | 0.207    | 2.000     | Pass    |
|                   |              |           | RB1#14                | 22.79                           | 0.32               | 23.11      | 0.205    | 2.000     | Pass    |
|                   |              |           | RB8#0                 | 21.83                           | 0.32               | 22.15      | 0.164    | 2.000     | Pass    |
|                   |              |           | RB8#4                 | 21.87                           | 0.32               | 22.19      | 0.166    | 2.000     | Pass    |
|                   |              |           | RB8#7                 | 21.82                           | 0.32               | 22.14      | 0.164    | 2.000     | Pass    |
|                   |              |           | RB15#0                | 21.82                           | 0.32               | 22.14      | 0.164    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.21                           | 0.32               | 22.53      | 0.179    | 2.000     | Pass    |
|                   |              |           | RB1#7                 | 22.21                           | 0.32               | 22.53      | 0.179    | 2.000     | Pass    |
|                   |              |           | RB1#14                | 22.24                           | 0.32               | 22.56      | 0.180    | 2.000     | Pass    |
|                   |              |           | RB8#0                 | 20.93                           | 0.32               | 21.25      | 0.133    | 2.000     | Pass    |
|                   |              |           | RB8#4                 | 20.96                           | 0.32               | 21.28      | 0.134    | 2.000     | Pass    |
|                   |              |           | RB8#7                 | 20.91                           | 0.32               | 21.23      | 0.133    | 2.000     | Pass    |
|                   |              |           | RB15#0                | 20.86                           | 0.32               | 21.18      | 0.131    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.86                           | 0.32               | 23.18      | 0.208    | 2.000     | Pass    |
|                   |              |           | RB1#7                 | 22.84                           | 0.32               | 23.16      | 0.207    | 2.000     | Pass    |
|                   |              |           | RB1#14                | 22.82                           | 0.32               | 23.14      | 0.206    | 2.000     | Pass    |
|                   |              |           | RB8#0                 | 21.85                           | 0.32               | 22.17      | 0.165    | 2.000     | Pass    |
|                   |              |           | RB8#4                 | 21.84                           | 0.32               | 22.16      | 0.164    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND25</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB8#7                 | 21.83                           | 0.32               | 22.15      | 0.164    | 2.000     | Pass    |
|                   |              |           | RB15#0                | 21.85                           | 0.32               | 22.17      | 0.165    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.85                           | 0.32               | 22.17      | 0.165    | 2.000     | Pass    |
|                   |              |           | RB1#7                 | 21.75                           | 0.32               | 22.07      | 0.161    | 2.000     | Pass    |
|                   |              |           | RB1#14                | 21.69                           | 0.32               | 22.01      | 0.159    | 2.000     | Pass    |
|                   |              |           | RB8#0                 | 20.89                           | 0.32               | 21.21      | 0.132    | 2.000     | Pass    |
|                   |              |           | RB8#4                 | 20.85                           | 0.32               | 21.17      | 0.131    | 2.000     | Pass    |
|                   |              |           | RB8#7                 | 20.81                           | 0.32               | 21.13      | 0.130    | 2.000     | Pass    |
|                   |              |           | RB15#0                | 20.79                           | 0.32               | 21.11      | 0.129    | 2.000     | Pass    |
| 5 MHz             | LCH          | QPSK      | RB1#0                 | 22.93                           | 0.32               | 23.25      | 0.211    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 23.05                           | 0.32               | 23.37      | 0.217    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 22.9                            | 0.32               | 23.22      | 0.210    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 21.92                           | 0.32               | 22.24      | 0.167    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 22.02                           | 0.32               | 22.34      | 0.171    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 21.98                           | 0.32               | 22.30      | 0.170    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 22.03                           | 0.32               | 22.35      | 0.172    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.07                           | 0.32               | 22.39      | 0.173    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 22.19                           | 0.32               | 22.51      | 0.178    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 22.06                           | 0.32               | 22.38      | 0.173    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 20.99                           | 0.32               | 21.31      | 0.135    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 21.14                           | 0.32               | 21.46      | 0.140    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 21.04                           | 0.32               | 21.36      | 0.137    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 21.07                           | 0.32               | 21.39      | 0.138    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.75                           | 0.32               | 23.07      | 0.203    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 22.87                           | 0.32               | 23.19      | 0.208    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 22.69                           | 0.32               | 23.01      | 0.200    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 21.79                           | 0.32               | 22.11      | 0.163    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 21.89                           | 0.32               | 22.21      | 0.166    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 21.77                           | 0.32               | 22.09      | 0.162    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 21.79                           | 0.32               | 22.11      | 0.163    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.24                           | 0.32               | 22.56      | 0.180    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 22.39                           | 0.32               | 22.71      | 0.187    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 22.23                           | 0.32               | 22.55      | 0.180    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 20.96                           | 0.32               | 21.28      | 0.134    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 20.97                           | 0.32               | 21.29      | 0.135    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 20.91                           | 0.32               | 21.23      | 0.133    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 20.89                           | 0.32               | 21.21      | 0.132    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.72                           | 0.32               | 23.04      | 0.201    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND25</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB1#13                | 22.85                           | 0.32               | 23.17      | 0.207    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 22.67                           | 0.32               | 22.99      | 0.199    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 21.81                           | 0.32               | 22.13      | 0.163    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 21.87                           | 0.32               | 22.19      | 0.166    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 21.79                           | 0.32               | 22.11      | 0.163    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 21.79                           | 0.32               | 22.11      | 0.163    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.87                           | 0.32               | 22.19      | 0.166    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 21.95                           | 0.32               | 22.27      | 0.169    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 21.75                           | 0.32               | 22.07      | 0.161    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 20.87                           | 0.32               | 21.19      | 0.132    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 20.91                           | 0.32               | 21.23      | 0.133    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 20.83                           | 0.32               | 21.15      | 0.130    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 20.74                           | 0.32               | 21.06      | 0.128    | 2.000     | Pass    |
| 10 MHz            | LCH          | QPSK      | RB1#0                 | 22.98                           | 0.32               | 23.30      | 0.214    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 23.21                           | 0.32               | 23.53      | 0.225    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 22.91                           | 0.32               | 23.23      | 0.210    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 21.97                           | 0.32               | 22.29      | 0.169    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 22.03                           | 0.32               | 22.35      | 0.172    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 21.97                           | 0.32               | 22.29      | 0.169    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 21.99                           | 0.32               | 22.31      | 0.170    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.95                           | 0.32               | 22.27      | 0.169    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 22.05                           | 0.32               | 22.37      | 0.173    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 21.82                           | 0.32               | 22.14      | 0.164    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 20.99                           | 0.32               | 21.31      | 0.135    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 21.03                           | 0.32               | 21.35      | 0.136    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 20.97                           | 0.32               | 21.29      | 0.135    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 20.98                           | 0.32               | 21.30      | 0.135    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.81                           | 0.32               | 23.13      | 0.206    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 22.96                           | 0.32               | 23.28      | 0.213    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 22.72                           | 0.32               | 23.04      | 0.201    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 21.88                           | 0.32               | 22.20      | 0.166    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 21.84                           | 0.32               | 22.16      | 0.164    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 21.78                           | 0.32               | 22.10      | 0.162    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 21.87                           | 0.32               | 22.19      | 0.166    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.26                           | 0.32               | 22.58      | 0.181    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 22.39                           | 0.32               | 22.71      | 0.187    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 22.11                           | 0.32               | 22.43      | 0.175    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 20.93                           | 0.32               | 21.25      | 0.133    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND25</b> |              |           |                       |                                 |                    |            |          |           |         |
| 15 MHz            | HCH          |           | RB25#13               | 20.89                           | 0.32               | 21.21      | 0.132    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 20.83                           | 0.32               | 21.15      | 0.130    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 20.89                           | 0.32               | 21.21      | 0.132    | 2.000     | Pass    |
|                   |              | QPSK      | RB1#0                 | 22.76                           | 0.32               | 23.08      | 0.203    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 22.97                           | 0.32               | 23.29      | 0.213    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 22.87                           | 0.32               | 23.19      | 0.208    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 21.85                           | 0.32               | 22.17      | 0.165    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 21.86                           | 0.32               | 22.18      | 0.165    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 21.78                           | 0.32               | 22.10      | 0.162    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 21.84                           | 0.32               | 22.16      | 0.164    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.8                            | 0.32               | 22.12      | 0.163    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 21.98                           | 0.32               | 22.30      | 0.170    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 21.68                           | 0.32               | 22.00      | 0.158    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 20.99                           | 0.32               | 21.31      | 0.135    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 20.95                           | 0.32               | 21.27      | 0.134    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 20.9                            | 0.32               | 21.22      | 0.132    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 20.87                           | 0.32               | 21.19      | 0.132    | 2.000     | Pass    |
| 15 MHz            | LCH          | QPSK      | RB1#0                 | 22.93                           | 0.32               | 23.25      | 0.211    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 23.03                           | 0.32               | 23.35      | 0.216    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 22.89                           | 0.32               | 23.21      | 0.209    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 22.08                           | 0.32               | 22.40      | 0.174    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 22.12                           | 0.32               | 22.44      | 0.175    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 22.11                           | 0.32               | 22.43      | 0.175    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 22.08                           | 0.32               | 22.40      | 0.174    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.89                           | 0.32               | 22.21      | 0.166    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 21.95                           | 0.32               | 22.27      | 0.169    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 21.83                           | 0.32               | 22.15      | 0.164    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 21.02                           | 0.32               | 21.34      | 0.136    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 21.06                           | 0.32               | 21.38      | 0.137    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 21.04                           | 0.32               | 21.36      | 0.137    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 21.05                           | 0.32               | 21.37      | 0.137    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.84                           | 0.32               | 23.16      | 0.207    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 22.83                           | 0.32               | 23.15      | 0.207    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 22.69                           | 0.32               | 23.01      | 0.200    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 21.92                           | 0.32               | 22.24      | 0.167    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 21.86                           | 0.32               | 22.18      | 0.165    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 21.84                           | 0.32               | 22.16      | 0.164    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 21.88                           | 0.32               | 22.20      | 0.166    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND25</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   | HCH          | 16-QAM    | RB1#0                 | 22.22                           | 0.32               | 22.54      | 0.179    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 22.24                           | 0.32               | 22.56      | 0.180    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 22.03                           | 0.32               | 22.35      | 0.172    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 20.96                           | 0.32               | 21.28      | 0.134    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 20.91                           | 0.32               | 21.23      | 0.133    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 20.88                           | 0.32               | 21.20      | 0.132    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 20.86                           | 0.32               | 21.18      | 0.131    | 2.000     | Pass    |
|                   |              | QPSK      | RB1#0                 | 22.75                           | 0.32               | 23.07      | 0.203    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 22.85                           | 0.32               | 23.17      | 0.207    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 22.73                           | 0.32               | 23.05      | 0.202    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 21.91                           | 0.32               | 22.23      | 0.167    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 21.87                           | 0.32               | 22.19      | 0.166    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 21.88                           | 0.32               | 22.20      | 0.166    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 21.93                           | 0.32               | 22.25      | 0.168    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.16                           | 0.32               | 22.48      | 0.177    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 22.33                           | 0.32               | 22.65      | 0.184    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 22.01                           | 0.32               | 22.33      | 0.171    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 20.88                           | 0.32               | 21.20      | 0.132    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 20.9                            | 0.32               | 21.22      | 0.132    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 20.82                           | 0.32               | 21.14      | 0.130    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 20.91                           | 0.32               | 21.23      | 0.133    | 2.000     | Pass    |
| 20 MHz            | LCH          | QPSK      | RB1#0                 | 22.8                            | 0.32               | 23.12      | 0.205    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 23.19                           | 0.32               | 23.51      | 0.224    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 22.74                           | 0.32               | 23.06      | 0.202    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 21.98                           | 0.32               | 22.30      | 0.170    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 22.08                           | 0.32               | 22.40      | 0.174    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 21.99                           | 0.32               | 22.31      | 0.170    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 22.02                           | 0.32               | 22.34      | 0.171    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.3                            | 0.32               | 22.62      | 0.183    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 22.64                           | 0.32               | 22.96      | 0.198    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 22.22                           | 0.32               | 22.54      | 0.179    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 21.01                           | 0.32               | 21.33      | 0.136    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 21.07                           | 0.32               | 21.39      | 0.138    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 21.03                           | 0.32               | 21.35      | 0.136    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 21.05                           | 0.32               | 21.37      | 0.137    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.73                           | 0.32               | 23.05      | 0.202    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 23.08                           | 0.32               | 23.40      | 0.219    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 22.56                           | 0.32               | 22.88      | 0.194    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND25</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB50#0                | 21.93                           | 0.32               | 22.25      | 0.168    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 21.89                           | 0.32               | 22.21      | 0.166    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 21.81                           | 0.32               | 22.13      | 0.163    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 21.88                           | 0.32               | 22.20      | 0.166    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.17                           | 0.32               | 22.49      | 0.177    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 22.44                           | 0.32               | 22.76      | 0.189    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 21.96                           | 0.32               | 22.28      | 0.169    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 20.95                           | 0.32               | 21.27      | 0.134    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 20.92                           | 0.32               | 21.24      | 0.133    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 20.86                           | 0.32               | 21.18      | 0.131    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 20.9                            | 0.32               | 21.22      | 0.132    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.52                           | 0.32               | 22.84      | 0.192    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 22.96                           | 0.32               | 23.28      | 0.213    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 22.51                           | 0.32               | 22.83      | 0.192    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 21.94                           | 0.32               | 22.26      | 0.168    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 21.89                           | 0.32               | 22.21      | 0.166    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 21.81                           | 0.32               | 22.13      | 0.163    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 21.91                           | 0.32               | 22.23      | 0.167    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.9                            | 0.32               | 22.22      | 0.167    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 22.4                            | 0.32               | 22.72      | 0.187    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 21.87                           | 0.32               | 22.19      | 0.166    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 20.93                           | 0.32               | 21.25      | 0.133    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 20.88                           | 0.32               | 21.20      | 0.132    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 20.83                           | 0.32               | 21.15      | 0.130    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 20.89                           | 0.32               | 21.21      | 0.132    | 2.000     | Pass    |

| Test BW                    | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|----------------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND26 (Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 1.4 MHz                    | LCH          | QPSK      | RB1#0                 | 22.34                           | -1.05              | -3.2               | 19.14     | 0.082   | 7.000     | Pass    |
|                            |              |           | RB1#3                 | 22.51                           | -1.05              | -3.2               | 19.31     | 0.085   | 7.000     | Pass    |
|                            |              |           | RB1#5                 | 22.37                           | -1.05              | -3.2               | 19.17     | 0.083   | 7.000     | Pass    |
|                            |              |           | RB3#0                 | 22.47                           | -1.05              | -3.2               | 19.27     | 0.085   | 7.000     | Pass    |
|                            |              |           | RB3#2                 | 22.48                           | -1.05              | -3.2               | 19.28     | 0.085   | 7.000     | Pass    |
|                            |              |           | RB3#3                 | 22.46                           | -1.05              | -3.2               | 19.26     | 0.084   | 7.000     | Pass    |
|                            |              |           | RB6#0                 | 21.43                           | -1.05              | -3.2               | 18.23     | 0.067   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.51                           | -1.05              | -3.2               | 18.31     | 0.068   | 7.000     | Pass    |
|                            |              |           | RB1#3                 | 21.69                           | -1.05              | -3.2               | 18.49     | 0.071   | 7.000     | Pass    |
|                            |              |           | RB1#5                 | 21.49                           | -1.05              | -3.2               | 18.29     | 0.067   | 7.000     | Pass    |
|                            |              |           | RB3#0                 | 21.49                           | -1.05              | -3.2               | 18.29     | 0.067   | 7.000     | Pass    |
|                            |              |           | RB3#2                 | 21.53                           | -1.05              | -3.2               | 18.33     | 0.068   | 7.000     | Pass    |
|                            |              |           | RB3#3                 | 21.51                           | -1.05              | -3.2               | 18.31     | 0.068   | 7.000     | Pass    |
|                            |              |           | RB6#0                 | 20.59                           | -1.05              | -3.2               | 17.39     | 0.055   | 7.000     | Pass    |
|                            | MCH          | QPSK      | RB1#0                 | 22.41                           | -1.05              | -3.2               | 19.21     | 0.083   | 7.000     | Pass    |
|                            |              |           | RB1#3                 | 22.6                            | -1.05              | -3.2               | 19.40     | 0.087   | 7.000     | Pass    |
|                            |              |           | RB1#5                 | 22.41                           | -1.05              | -3.2               | 19.21     | 0.083   | 7.000     | Pass    |
|                            |              |           | RB3#0                 | 22.48                           | -1.05              | -3.2               | 19.28     | 0.085   | 7.000     | Pass    |
|                            |              |           | RB3#2                 | 22.54                           | -1.05              | -3.2               | 19.34     | 0.086   | 7.000     | Pass    |
|                            |              |           | RB3#3                 | 22.48                           | -1.05              | -3.2               | 19.28     | 0.085   | 7.000     | Pass    |
|                            |              |           | RB6#0                 | 21.46                           | -1.05              | -3.2               | 18.26     | 0.067   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.81                           | -1.05              | -3.2               | 18.61     | 0.073   | 7.000     | Pass    |
|                            |              |           | RB1#3                 | 21.95                           | -1.05              | -3.2               | 18.75     | 0.075   | 7.000     | Pass    |
|                            |              |           | RB1#5                 | 21.81                           | -1.05              | -3.2               | 18.61     | 0.073   | 7.000     | Pass    |
|                            |              |           | RB3#0                 | 21.69                           | -1.05              | -3.2               | 18.49     | 0.071   | 7.000     | Pass    |
|                            |              |           | RB3#2                 | 21.7                            | -1.05              | -3.2               | 18.50     | 0.071   | 7.000     | Pass    |
|                            |              |           | RB3#3                 | 21.7                            | -1.05              | -3.2               | 18.50     | 0.071   | 7.000     | Pass    |
|                            |              |           | RB6#0                 | 20.39                           | -1.05              | -3.2               | 17.19     | 0.052   | 7.000     | Pass    |
|                            | HCH          | QPSK      | RB1#0                 | 22.34                           | -1.05              | -3.2               | 19.14     | 0.082   | 7.000     | Pass    |
|                            |              |           | RB1#3                 | 22.49                           | -1.05              | -3.2               | 19.29     | 0.085   | 7.000     | Pass    |
|                            |              |           | RB1#5                 | 22.32                           | -1.05              | -3.2               | 19.12     | 0.082   | 7.000     | Pass    |
|                            |              |           | RB3#0                 | 22.39                           | -1.05              | -3.2               | 19.19     | 0.083   | 7.000     | Pass    |
|                            |              |           | RB3#2                 | 22.46                           | -1.05              | -3.2               | 19.26     | 0.084   | 7.000     | Pass    |
|                            |              |           | RB3#3                 | 22.45                           | -1.05              | -3.2               | 19.25     | 0.084   | 7.000     | Pass    |
|                            |              |           | RB6#0                 | 21.39                           | -1.05              | -3.2               | 18.19     | 0.066   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.4                            | -1.05              | -3.2               | 18.20     | 0.066   | 7.000     | Pass    |
|                            |              |           | RB1#3                 | 21.54                           | -1.05              | -3.2               | 18.34     | 0.068   | 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                 | 21.35                           | -1.05              | -3.2               | 18.15     | 0.065   | 7.000     | Pass    |
|                            |              |           | RB3#0                 | 21.55                           | -1.05              | -3.2               | 18.35     | 0.068   | 7.000     | Pass    |
|                            |              |           | RB3#2                 | 21.61                           | -1.05              | -3.2               | 18.41     | 0.069   | 7.000     | Pass    |
|                            |              |           | RB3#3                 | 21.55                           | -1.05              | -3.2               | 18.35     | 0.068   | 7.000     | Pass    |
|                            |              |           | RB6#0                 | 20.56                           | -1.05              | -3.2               | 17.36     | 0.054   | 7.000     | Pass    |
|                            | LCH          | QPSK      | RB1#0                 | 22.37                           | -1.05              | -3.2               | 19.17     | 0.083   | 7.000     | Pass    |
|                            |              |           | RB1#7                 | 22.38                           | -1.05              | -3.2               | 19.18     | 0.083   | 7.000     | Pass    |
|                            |              |           | RB1#14                | 22.36                           | -1.05              | -3.2               | 19.16     | 0.082   | 7.000     | Pass    |
|                            |              |           | RB8#0                 | 21.42                           | -1.05              | -3.2               | 18.22     | 0.066   | 7.000     | Pass    |
|                            |              |           | RB8#4                 | 21.48                           | -1.05              | -3.2               | 18.28     | 0.067   | 7.000     | Pass    |
|                            |              |           | RB8#7                 | 21.39                           | -1.05              | -3.2               | 18.19     | 0.066   | 7.000     | Pass    |
|                            |              |           | RB15#0                | 21.42                           | -1.05              | -3.2               | 18.22     | 0.066   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.34                           | -1.05              | -3.2               | 18.14     | 0.065   | 7.000     | Pass    |
|                            |              |           | RB1#7                 | 21.35                           | -1.05              | -3.2               | 18.15     | 0.065   | 7.000     | Pass    |
|                            |              |           | RB1#14                | 21.29                           | -1.05              | -3.2               | 18.09     | 0.064   | 7.000     | Pass    |
|                            |              |           | RB8#0                 | 20.55                           | -1.05              | -3.2               | 17.35     | 0.054   | 7.000     | Pass    |
|                            |              |           | RB8#4                 | 20.59                           | -1.05              | -3.2               | 17.39     | 0.055   | 7.000     | Pass    |
|                            |              |           | RB8#7                 | 20.54                           | -1.05              | -3.2               | 17.34     | 0.054   | 7.000     | Pass    |
|                            |              |           | RB15#0                | 20.46                           | -1.05              | -3.2               | 17.26     | 0.053   | 7.000     | Pass    |
|                            | MCH          | QPSK      | RB1#0                 | 22.42                           | -1.05              | -3.2               | 19.22     | 0.084   | 7.000     | Pass    |
|                            |              |           | RB1#7                 | 22.49                           | -1.05              | -3.2               | 19.29     | 0.085   | 7.000     | Pass    |
|                            |              |           | RB1#14                | 22.36                           | -1.05              | -3.2               | 19.16     | 0.082   | 7.000     | Pass    |
|                            |              |           | RB8#0                 | 21.48                           | -1.05              | -3.2               | 18.28     | 0.067   | 7.000     | Pass    |
|                            |              |           | RB8#4                 | 21.52                           | -1.05              | -3.2               | 18.32     | 0.068   | 7.000     | Pass    |
|                            |              |           | RB8#7                 | 21.5                            | -1.05              | -3.2               | 18.30     | 0.068   | 7.000     | Pass    |
|                            |              |           | RB15#0                | 21.49                           | -1.05              | -3.2               | 18.29     | 0.067   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.79                           | -1.05              | -3.2               | 18.59     | 0.072   | 7.000     | Pass    |
|                            |              |           | RB1#7                 | 21.81                           | -1.05              | -3.2               | 18.61     | 0.073   | 7.000     | Pass    |
|                            |              |           | RB1#14                | 21.78                           | -1.05              | -3.2               | 18.58     | 0.072   | 7.000     | Pass    |
|                            |              |           | RB8#0                 | 20.57                           | -1.05              | -3.2               | 17.37     | 0.055   | 7.000     | Pass    |
|                            |              |           | RB8#4                 | 20.61                           | -1.05              | -3.2               | 17.41     | 0.055   | 7.000     | Pass    |
|                            |              |           | RB8#7                 | 20.55                           | -1.05              | -3.2               | 17.35     | 0.054   | 7.000     | Pass    |
|                            |              |           | RB15#0                | 20.51                           | -1.05              | -3.2               | 17.31     | 0.054   | 7.000     | Pass    |
|                            | HCH          | QPSK      | RB1#0                 | 22.44                           | -1.05              | -3.2               | 19.24     | 0.084   | 7.000     | Pass    |
|                            |              |           | RB1#7                 | 22.42                           | -1.05              | -3.2               | 19.22     | 0.084   | 7.000     | Pass    |
|                            |              |           | RB1#14                | 22.34                           | -1.05              | -3.2               | 19.14     | 0.082   | 7.000     | Pass    |
|                            |              |           | RB8#0                 | 21.41                           | -1.05              | -3.2               | 18.21     | 0.066   | 7.000     | Pass    |
|                            |              |           | RB8#4                 | 21.45                           | -1.05              | -3.2               | 18.25     | 0.067   | 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    | RB8#7                 | 21.35                           | -1.05              | -3.2               | 18.15     | 0.065   | 7.000     | Pass    |
|                            |              |           | RB15#0                | 21.43                           | -1.05              | -3.2               | 18.23     | 0.067   | 7.000     | Pass    |
|                            |              |           | RB1#0                 | 21.46                           | -1.05              | -3.2               | 18.26     | 0.067   | 7.000     | Pass    |
|                            |              |           | RB1#7                 | 21.41                           | -1.05              | -3.2               | 18.21     | 0.066   | 7.000     | Pass    |
|                            |              |           | RB1#14                | 21.34                           | -1.05              | -3.2               | 18.14     | 0.065   | 7.000     | Pass    |
|                            |              |           | RB8#0                 | 20.45                           | -1.05              | -3.2               | 17.25     | 0.053   | 7.000     | Pass    |
|                            |              |           | RB8#4                 | 20.49                           | -1.05              | -3.2               | 17.29     | 0.054   | 7.000     | Pass    |
|                            |              |           | RB8#7                 | 20.41                           | -1.05              | -3.2               | 17.21     | 0.053   | 7.000     | Pass    |
|                            |              |           | RB15#0                | 20.37                           | -1.05              | -3.2               | 17.17     | 0.052   | 7.000     | Pass    |
| 5 MHz                      | LCH          | QPSK      | RB1#0                 | 22.3                            | -1.05              | -3.2               | 19.10     | 0.081   | 7.000     | Pass    |
|                            |              |           | RB1#13                | 22.45                           | -1.05              | -3.2               | 19.25     | 0.084   | 7.000     | Pass    |
|                            |              |           | RB1#24                | 22.37                           | -1.05              | -3.2               | 19.17     | 0.083   | 7.000     | Pass    |
|                            |              |           | RB12#0                | 21.4                            | -1.05              | -3.2               | 18.20     | 0.066   | 7.000     | Pass    |
|                            |              |           | RB12#6                | 21.5                            | -1.05              | -3.2               | 18.30     | 0.068   | 7.000     | Pass    |
|                            |              |           | RB12#13               | 21.34                           | -1.05              | -3.2               | 18.14     | 0.065   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 21.41                           | -1.05              | -3.2               | 18.21     | 0.066   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.49                           | -1.05              | -3.2               | 18.29     | 0.067   | 7.000     | Pass    |
|                            |              |           | RB1#13                | 21.65                           | -1.05              | -3.2               | 18.45     | 0.070   | 7.000     | Pass    |
|                            |              |           | RB1#24                | 21.53                           | -1.05              | -3.2               | 18.33     | 0.068   | 7.000     | Pass    |
|                            |              |           | RB12#0                | 20.45                           | -1.05              | -3.2               | 17.25     | 0.053   | 7.000     | Pass    |
|                            |              |           | RB12#6                | 20.57                           | -1.05              | -3.2               | 17.37     | 0.055   | 7.000     | Pass    |
|                            |              |           | RB12#13               | 20.48                           | -1.05              | -3.2               | 17.28     | 0.053   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 20.5                            | -1.05              | -3.2               | 17.30     | 0.054   | 7.000     | Pass    |
|                            | MCH          | QPSK      | RB1#0                 | 22.34                           | -1.05              | -3.2               | 19.14     | 0.082   | 7.000     | Pass    |
|                            |              |           | RB1#13                | 22.47                           | -1.05              | -3.2               | 19.27     | 0.085   | 7.000     | Pass    |
|                            |              |           | RB1#24                | 22.33                           | -1.05              | -3.2               | 19.13     | 0.082   | 7.000     | Pass    |
|                            |              |           | RB12#0                | 21.37                           | -1.05              | -3.2               | 18.17     | 0.066   | 7.000     | Pass    |
|                            |              |           | RB12#6                | 21.51                           | -1.05              | -3.2               | 18.31     | 0.068   | 7.000     | Pass    |
|                            |              |           | RB12#13               | 21.47                           | -1.05              | -3.2               | 18.27     | 0.067   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 21.44                           | -1.05              | -3.2               | 18.24     | 0.067   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.87                           | -1.05              | -3.2               | 18.67     | 0.074   | 7.000     | Pass    |
|                            |              |           | RB1#13                | 21.99                           | -1.05              | -3.2               | 18.79     | 0.076   | 7.000     | Pass    |
|                            |              |           | RB1#24                | 21.8                            | -1.05              | -3.2               | 18.60     | 0.072   | 7.000     | Pass    |
|                            |              |           | RB12#0                | 20.56                           | -1.05              | -3.2               | 17.36     | 0.054   | 7.000     | Pass    |
|                            |              |           | RB12#6                | 20.65                           | -1.05              | -3.2               | 17.45     | 0.056   | 7.000     | Pass    |
|                            |              |           | RB12#13               | 20.58                           | -1.05              | -3.2               | 17.38     | 0.055   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 20.56                           | -1.05              | -3.2               | 17.36     | 0.054   | 7.000     | Pass    |
|                            | HCH          | QPSK      | RB1#0                 | 22.25                           | -1.05              | -3.2               | 19.05     | 0.080   | 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                | 22.43                           | -1.05              | -3.2               | 19.23     | 0.084   | 7.000     | Pass    |
|                            |              |           | RB1#24                | 22.27                           | -1.05              | -3.2               | 19.07     | 0.081   | 7.000     | Pass    |
|                            |              |           | RB12#0                | 21.44                           | -1.05              | -3.2               | 18.24     | 0.067   | 7.000     | Pass    |
|                            |              |           | RB12#6                | 21.44                           | -1.05              | -3.2               | 18.24     | 0.067   | 7.000     | Pass    |
|                            |              |           | RB12#13               | 21.31                           | -1.05              | -3.2               | 18.11     | 0.065   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 21.37                           | -1.05              | -3.2               | 18.17     | 0.066   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.41                           | -1.05              | -3.2               | 18.21     | 0.066   | 7.000     | Pass    |
|                            |              |           | RB1#13                | 21.52                           | -1.05              | -3.2               | 18.32     | 0.068   | 7.000     | Pass    |
|                            |              |           | RB1#24                | 21.39                           | -1.05              | -3.2               | 18.19     | 0.066   | 7.000     | Pass    |
|                            |              |           | RB12#0                | 20.5                            | -1.05              | -3.2               | 17.30     | 0.054   | 7.000     | Pass    |
|                            |              |           | RB12#6                | 20.52                           | -1.05              | -3.2               | 17.32     | 0.054   | 7.000     | Pass    |
|                            |              |           | RB12#13               | 20.39                           | -1.05              | -3.2               | 17.19     | 0.052   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 20.4                            | -1.05              | -3.2               | 17.20     | 0.052   | 7.000     | Pass    |
|                            |              |           |                       |                                 |                    |                    |           |         |           |         |
| 10 MHz                     | MCH          | QPSK      | RB1#0                 | 22.35                           | -1.05              | -3.2               | 19.15     | 0.082   | 7.000     | Pass    |
|                            |              |           | RB1#25                | 22.54                           | -1.05              | -3.2               | 19.34     | 0.086   | 7.000     | Pass    |
|                            |              |           | RB1#49                | 22.39                           | -1.05              | -3.2               | 19.19     | 0.083   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 21.45                           | -1.05              | -3.2               | 18.25     | 0.067   | 7.000     | Pass    |
|                            |              |           | RB25#13               | 21.45                           | -1.05              | -3.2               | 18.25     | 0.067   | 7.000     | Pass    |
|                            |              |           | RB25#25               | 21.45                           | -1.05              | -3.2               | 18.25     | 0.067   | 7.000     | Pass    |
|                            |              |           | RB50#0                | 21.48                           | -1.05              | -3.2               | 18.28     | 0.067   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.3                            | -1.05              | -3.2               | 18.10     | 0.065   | 7.000     | Pass    |
|                            |              |           | RB1#25                | 21.54                           | -1.05              | -3.2               | 18.34     | 0.068   | 7.000     | Pass    |
|                            |              |           | RB1#49                | 21.37                           | -1.05              | -3.2               | 18.17     | 0.066   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 20.54                           | -1.05              | -3.2               | 17.34     | 0.054   | 7.000     | Pass    |
|                            |              |           | RB25#13               | 20.51                           | -1.05              | -3.2               | 17.31     | 0.054   | 7.000     | Pass    |
|                            |              |           | RB25#25               | 20.54                           | -1.05              | -3.2               | 17.34     | 0.054   | 7.000     | Pass    |
|                            |              |           | RB50#0                | 20.5                            | -1.05              | -3.2               | 17.30     | 0.054   | 7.000     | Pass    |
|                            | MCH          | QPSK      | RB1#0                 | 22.39                           | -1.05              | -3.2               | 19.19     | 0.083   | 7.000     | Pass    |
|                            |              |           | RB1#25                | 22.58                           | -1.05              | -3.2               | 19.38     | 0.087   | 7.000     | Pass    |
|                            |              |           | RB1#49                | 22.38                           | -1.05              | -3.2               | 19.18     | 0.083   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 21.45                           | -1.05              | -3.2               | 18.25     | 0.067   | 7.000     | Pass    |
|                            |              |           | RB25#13               | 21.5                            | -1.05              | -3.2               | 18.30     | 0.068   | 7.000     | Pass    |
|                            |              |           | RB25#25               | 21.48                           | -1.05              | -3.2               | 18.28     | 0.067   | 7.000     | Pass    |
|                            |              |           | RB50#0                | 21.45                           | -1.05              | -3.2               | 18.25     | 0.067   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.73                           | -1.05              | -3.2               | 18.53     | 0.071   | 7.000     | Pass    |
|                            |              |           | RB1#25                | 21.92                           | -1.05              | -3.2               | 18.72     | 0.074   | 7.000     | Pass    |
|                            |              |           | RB1#49                | 21.77                           | -1.05              | -3.2               | 18.57     | 0.072   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 20.51                           | -1.05              | -3.2               | 17.31     | 0.054   | 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               | 20.55                           | -1.05              | -3.2               | 17.35     | 0.054   | 7.000     | Pass    |
|                            |              |           | RB25#25               | 20.51                           | -1.05              | -3.2               | 17.31     | 0.054   | 7.000     | Pass    |
|                            |              |           | RB50#0                | 20.52                           | -1.05              | -3.2               | 17.32     | 0.054   | 7.000     | Pass    |
|                            |              | QPSK      | RB1#0                 | 22.41                           | -1.05              | -3.2               | 19.21     | 0.083   | 7.000     | Pass    |
|                            |              |           | RB1#25                | 22.59                           | -1.05              | -3.2               | 19.39     | 0.087   | 7.000     | Pass    |
|                            |              |           | RB1#49                | 22.27                           | -1.05              | -3.2               | 19.07     | 0.081   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 21.43                           | -1.05              | -3.2               | 18.23     | 0.067   | 7.000     | Pass    |
|                            |              |           | RB25#13               | 21.45                           | -1.05              | -3.2               | 18.25     | 0.067   | 7.000     | Pass    |
|                            |              |           | RB25#25               | 21.29                           | -1.05              | -3.2               | 18.09     | 0.064   | 7.000     | Pass    |
|                            |              |           | RB50#0                | 21.38                           | -1.05              | -3.2               | 18.18     | 0.066   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.43                           | -1.05              | -3.2               | 18.23     | 0.067   | 7.000     | Pass    |
|                            |              |           | RB1#25                | 21.57                           | -1.05              | -3.2               | 18.37     | 0.069   | 7.000     | Pass    |
|                            |              |           | RB1#49                | 21.28                           | -1.05              | -3.2               | 18.08     | 0.064   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 20.55                           | -1.05              | -3.2               | 17.35     | 0.054   | 7.000     | Pass    |
|                            |              |           | RB25#13               | 20.55                           | -1.05              | -3.2               | 17.35     | 0.054   | 7.000     | Pass    |
|                            |              |           | RB25#25               | 20.4                            | -1.05              | -3.2               | 17.20     | 0.052   | 7.000     | Pass    |
|                            |              |           | RB50#0                | 20.48                           | -1.05              | -3.2               | 17.28     | 0.053   | 7.000     | Pass    |
| 15 MHz                     | LCH          | QPSK      | RB1#0                 | 22.19                           | -1.05              | -3.2               | 18.99     | 0.079   | 7.000     | Pass    |
|                            |              |           | RB1#38                | 22.4                            | -1.05              | -3.2               | 19.20     | 0.083   | 7.000     | Pass    |
|                            |              |           | RB1#74                | 22.28                           | -1.05              | -3.2               | 19.08     | 0.081   | 7.000     | Pass    |
|                            |              |           | RB36#0                | 21.43                           | -1.05              | -3.2               | 18.23     | 0.067   | 7.000     | Pass    |
|                            |              |           | RB36#19               | 21.51                           | -1.05              | -3.2               | 18.31     | 0.068   | 7.000     | Pass    |
|                            |              |           | RB36#39               | 21.5                            | -1.05              | -3.2               | 18.30     | 0.068   | 7.000     | Pass    |
|                            |              |           | RB75#0                | 21.48                           | -1.05              | -3.2               | 18.28     | 0.067   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.2                            | -1.05              | -3.2               | 18.00     | 0.063   | 7.000     | Pass    |
|                            |              |           | RB1#38                | 21.36                           | -1.05              | -3.2               | 18.16     | 0.065   | 7.000     | Pass    |
|                            |              |           | RB1#74                | 21.31                           | -1.05              | -3.2               | 18.11     | 0.065   | 7.000     | Pass    |
|                            |              |           | RB36#0                | 20.43                           | -1.05              | -3.2               | 17.23     | 0.053   | 7.000     | Pass    |
|                            |              |           | RB36#19               | 20.48                           | -1.05              | -3.2               | 17.28     | 0.053   | 7.000     | Pass    |
|                            |              |           | RB36#39               | 20.49                           | -1.05              | -3.2               | 17.29     | 0.054   | 7.000     | Pass    |
|                            |              |           | RB75#0                | 20.47                           | -1.05              | -3.2               | 17.27     | 0.053   | 7.000     | Pass    |
|                            | MCH          | QPSK      | RB1#0                 | 22.3                            | -1.05              | -3.2               | 19.10     | 0.081   | 7.000     | Pass    |
|                            |              |           | RB1#38                | 22.42                           | -1.05              | -3.2               | 19.22     | 0.084   | 7.000     | Pass    |
|                            |              |           | RB1#74                | 22.3                            | -1.05              | -3.2               | 19.10     | 0.081   | 7.000     | Pass    |
|                            |              |           | RB36#0                | 21.43                           | -1.05              | -3.2               | 18.23     | 0.067   | 7.000     | Pass    |
|                            |              |           | RB36#19               | 21.46                           | -1.05              | -3.2               | 18.26     | 0.067   | 7.000     | Pass    |
|                            |              |           | RB36#39               | 21.51                           | -1.05              | -3.2               | 18.31     | 0.068   | 7.000     | Pass    |
|                            |              |           | RB75#0                | 21.48                           | -1.05              | -3.2               | 18.28     | 0.067   | 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                 | 21.71                           | -1.05              | -3.2               | 18.51     | 0.071   | 7.000     | Pass    |
|                            |              |           | RB1#38                | 21.81                           | -1.05              | -3.2               | 18.61     | 0.073   | 7.000     | Pass    |
|                            |              |           | RB1#74                | 21.61                           | -1.05              | -3.2               | 18.41     | 0.069   | 7.000     | Pass    |
|                            |              |           | RB36#0                | 20.46                           | -1.05              | -3.2               | 17.26     | 0.053   | 7.000     | Pass    |
|                            |              |           | RB36#19               | 20.51                           | -1.05              | -3.2               | 17.31     | 0.054   | 7.000     | Pass    |
|                            |              |           | RB36#39               | 20.53                           | -1.05              | -3.2               | 17.33     | 0.054   | 7.000     | Pass    |
|                            |              |           | RB75#0                | 20.48                           | -1.05              | -3.2               | 17.28     | 0.053   | 7.000     | Pass    |
|                            | HCH          | QPSK      | RB1#0                 | 22.3                            | -1.05              | -3.2               | 19.10     | 0.081   | 7.000     | Pass    |
|                            |              |           | RB1#38                | 22.45                           | -1.05              | -3.2               | 19.25     | 0.084   | 7.000     | Pass    |
|                            |              |           | RB1#74                | 22.29                           | -1.05              | -3.2               | 19.09     | 0.081   | 7.000     | Pass    |
|                            |              |           | RB36#0                | 21.45                           | -1.05              | -3.2               | 18.25     | 0.067   | 7.000     | Pass    |
|                            |              |           | RB36#19               | 21.46                           | -1.05              | -3.2               | 18.26     | 0.067   | 7.000     | Pass    |
|                            |              |           | RB36#39               | 21.37                           | -1.05              | -3.2               | 18.17     | 0.066   | 7.000     | Pass    |
|                            |              |           | RB75#0                | 21.41                           | -1.05              | -3.2               | 18.21     | 0.066   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.72                           | -1.05              | -3.2               | 18.52     | 0.071   | 7.000     | Pass    |
|                            |              |           | RB1#38                | 21.83                           | -1.05              | -3.2               | 18.63     | 0.073   | 7.000     | Pass    |
|                            |              |           | RB1#74                | 21.65                           | -1.05              | -3.2               | 18.45     | 0.070   | 7.000     | Pass    |
|                            |              |           | RB36#0                | 20.39                           | -1.05              | -3.2               | 17.19     | 0.052   | 7.000     | Pass    |
|                            |              |           | RB36#19               | 20.41                           | -1.05              | -3.2               | 17.21     | 0.053   | 7.000     | Pass    |
|                            |              |           | RB36#39               | 20.29                           | -1.05              | -3.2               | 17.09     | 0.051   | 7.000     | Pass    |
|                            |              |           | RB75#0                | 20.43                           | -1.05              | -3.2               | 17.23     | 0.053   | 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                 | 22.3                         | -1.05              | -3.2               | 19.10     | 0.081   | 100.000   | Pass    |
|                            |              |           | RB1#3                 | 22.42                        | -1.05              | -3.2               | 19.22     | 0.084   | 100.000   | Pass    |
|                            |              |           | RB1#5                 | 22.26                        | -1.05              | -3.2               | 19.06     | 0.081   | 100.000   | Pass    |
|                            |              |           | RB3#0                 | 22.39                        | -1.05              | -3.2               | 19.19     | 0.083   | 100.000   | Pass    |
|                            |              |           | RB3#2                 | 22.43                        | -1.05              | -3.2               | 19.23     | 0.084   | 100.000   | Pass    |
|                            |              |           | RB3#3                 | 22.32                        | -1.05              | -3.2               | 19.12     | 0.082   | 100.000   | Pass    |
|                            |              |           | RB6#0                 | 21.37                        | -1.05              | -3.2               | 18.17     | 0.066   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.43                        | -1.05              | -3.2               | 18.23     | 0.067   | 100.000   | Pass    |
|                            |              |           | RB1#3                 | 21.61                        | -1.05              | -3.2               | 18.41     | 0.069   | 100.000   | Pass    |
|                            |              |           | RB1#5                 | 21.39                        | -1.05              | -3.2               | 18.19     | 0.066   | 100.000   | Pass    |
|                            |              |           | RB3#0                 | 21.43                        | -1.05              | -3.2               | 18.23     | 0.067   | 100.000   | Pass    |
|                            |              |           | RB3#2                 | 21.44                        | -1.05              | -3.2               | 18.24     | 0.067   | 100.000   | Pass    |
|                            |              |           | RB3#3                 | 21.42                        | -1.05              | -3.2               | 18.22     | 0.066   | 100.000   | Pass    |
|                            |              |           | RB6#0                 | 20.54                        | -1.05              | -3.2               | 17.34     | 0.054   | 100.000   | Pass    |
|                            | MCH          | QPSK      | RB1#0                 | 22.32                        | -1.05              | -3.2               | 19.12     | 0.082   | 100.000   | Pass    |
|                            |              |           | RB1#3                 | 22.47                        | -1.05              | -3.2               | 19.27     | 0.085   | 100.000   | Pass    |
|                            |              |           | RB1#5                 | 22.31                        | -1.05              | -3.2               | 19.11     | 0.081   | 100.000   | Pass    |
|                            |              |           | RB3#0                 | 22.38                        | -1.05              | -3.2               | 19.18     | 0.083   | 100.000   | Pass    |
|                            |              |           | RB3#2                 | 22.45                        | -1.05              | -3.2               | 19.25     | 0.084   | 100.000   | Pass    |
|                            |              |           | RB3#3                 | 22.36                        | -1.05              | -3.2               | 19.16     | 0.082   | 100.000   | Pass    |
|                            |              |           | RB6#0                 | 21.38                        | -1.05              | -3.2               | 18.18     | 0.066   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.71                        | -1.05              | -3.2               | 18.51     | 0.071   | 100.000   | Pass    |
|                            |              |           | RB1#3                 | 21.85                        | -1.05              | -3.2               | 18.65     | 0.073   | 100.000   | Pass    |
|                            |              |           | RB1#5                 | 21.72                        | -1.05              | -3.2               | 18.52     | 0.071   | 100.000   | Pass    |
|                            |              |           | RB3#0                 | 21.59                        | -1.05              | -3.2               | 18.39     | 0.069   | 100.000   | Pass    |
|                            |              |           | RB3#2                 | 21.57                        | -1.05              | -3.2               | 18.37     | 0.069   | 100.000   | Pass    |
|                            |              |           | RB3#3                 | 21.6                         | -1.05              | -3.2               | 18.40     | 0.069   | 100.000   | Pass    |
|                            |              |           | RB6#0                 | 20.3                         | -1.05              | -3.2               | 17.10     | 0.051   | 100.000   | Pass    |
|                            | HCH          | QPSK      | RB1#0                 | 22.34                        | -1.05              | -3.2               | 19.14     | 0.082   | 100.000   | Pass    |
|                            |              |           | RB1#3                 | 22.55                        | -1.05              | -3.2               | 19.35     | 0.086   | 100.000   | Pass    |
|                            |              |           | RB1#5                 | 22.33                        | -1.05              | -3.2               | 19.13     | 0.082   | 100.000   | Pass    |
|                            |              |           | RB3#0                 | 22.46                        | -1.05              | -3.2               | 19.26     | 0.084   | 100.000   | Pass    |
|                            |              |           | RB3#2                 | 22.5                         | -1.05              | -3.2               | 19.30     | 0.085   | 100.000   | Pass    |
|                            |              |           | RB3#3                 | 22.5                         | -1.05              | -3.2               | 19.30     | 0.085   | 100.000   | Pass    |
|                            |              |           | RB6#0                 | 21.4                         | -1.05              | -3.2               | 18.20     | 0.066   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.37                        | -1.05              | -3.2               | 18.17     | 0.066   | 100.000   | Pass    |
|                            |              |           | RB1#3                 | 21.57                        | -1.05              | -3.2               | 18.37     | 0.069   | 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                 | 21.41                           | -1.05              | -3.2               | 18.21     | 0.066   | 100.000   | Pass    |
|                            |              |           | RB3#0                 | 21.61                           | -1.05              | -3.2               | 18.41     | 0.069   | 100.000   | Pass    |
|                            |              |           | RB3#2                 | 21.67                           | -1.05              | -3.2               | 18.47     | 0.070   | 100.000   | Pass    |
|                            |              |           | RB3#3                 | 21.67                           | -1.05              | -3.2               | 18.47     | 0.070   | 100.000   | Pass    |
|                            |              |           | RB6#0                 | 20.61                           | -1.05              | -3.2               | 17.41     | 0.055   | 100.000   | Pass    |
|                            | LCH          | QPSK      | RB1#0                 | 22.33                           | -1.05              | -3.2               | 19.13     | 0.082   | 100.000   | Pass    |
|                            |              |           | RB1#7                 | 22.32                           | -1.05              | -3.2               | 19.12     | 0.082   | 100.000   | Pass    |
|                            |              |           | RB1#14                | 22.32                           | -1.05              | -3.2               | 19.12     | 0.082   | 100.000   | Pass    |
|                            |              |           | RB8#0                 | 21.35                           | -1.05              | -3.2               | 18.15     | 0.065   | 100.000   | Pass    |
|                            |              |           | RB8#4                 | 21.43                           | -1.05              | -3.2               | 18.23     | 0.067   | 100.000   | Pass    |
|                            |              |           | RB8#7                 | 21.37                           | -1.05              | -3.2               | 18.17     | 0.066   | 100.000   | Pass    |
|                            |              |           | RB15#0                | 21.35                           | -1.05              | -3.2               | 18.15     | 0.065   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.3                            | -1.05              | -3.2               | 18.10     | 0.065   | 100.000   | Pass    |
|                            |              |           | RB1#7                 | 21.25                           | -1.05              | -3.2               | 18.05     | 0.064   | 100.000   | Pass    |
|                            |              |           | RB1#14                | 21.23                           | -1.05              | -3.2               | 18.03     | 0.064   | 100.000   | Pass    |
|                            |              |           | RB8#0                 | 20.47                           | -1.05              | -3.2               | 17.27     | 0.053   | 100.000   | Pass    |
|                            |              |           | RB8#4                 | 20.52                           | -1.05              | -3.2               | 17.32     | 0.054   | 100.000   | Pass    |
|                            |              |           | RB8#7                 | 20.49                           | -1.05              | -3.2               | 17.29     | 0.054   | 100.000   | Pass    |
|                            |              |           | RB15#0                | 20.39                           | -1.05              | -3.2               | 17.19     | 0.052   | 100.000   | Pass    |
|                            | MCH          | QPSK      | RB1#0                 | 22.36                           | -1.05              | -3.2               | 19.16     | 0.082   | 100.000   | Pass    |
|                            |              |           | RB1#7                 | 22.35                           | -1.05              | -3.2               | 19.15     | 0.082   | 100.000   | Pass    |
|                            |              |           | RB1#14                | 22.3                            | -1.05              | -3.2               | 19.10     | 0.081   | 100.000   | Pass    |
|                            |              |           | RB8#0                 | 21.36                           | -1.05              | -3.2               | 18.16     | 0.065   | 100.000   | Pass    |
|                            |              |           | RB8#4                 | 21.41                           | -1.05              | -3.2               | 18.21     | 0.066   | 100.000   | Pass    |
|                            |              |           | RB8#7                 | 21.38                           | -1.05              | -3.2               | 18.18     | 0.066   | 100.000   | Pass    |
|                            |              |           | RB15#0                | 21.35                           | -1.05              | -3.2               | 18.15     | 0.065   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.71                           | -1.05              | -3.2               | 18.51     | 0.071   | 100.000   | Pass    |
|                            |              |           | RB1#7                 | 21.71                           | -1.05              | -3.2               | 18.51     | 0.071   | 100.000   | Pass    |
|                            |              |           | RB1#14                | 21.71                           | -1.05              | -3.2               | 18.51     | 0.071   | 100.000   | Pass    |
|                            |              |           | RB8#0                 | 20.45                           | -1.05              | -3.2               | 17.25     | 0.053   | 100.000   | Pass    |
|                            |              |           | RB8#4                 | 20.52                           | -1.05              | -3.2               | 17.32     | 0.054   | 100.000   | Pass    |
|                            |              |           | RB8#7                 | 20.48                           | -1.05              | -3.2               | 17.28     | 0.053   | 100.000   | Pass    |
|                            |              |           | RB15#0                | 20.43                           | -1.05              | -3.2               | 17.23     | 0.053   | 100.000   | Pass    |
|                            | HCH          | QPSK      | RB1#0                 | 22.34                           | -1.05              | -3.2               | 19.14     | 0.082   | 100.000   | Pass    |
|                            |              |           | RB1#7                 | 22.41                           | -1.05              | -3.2               | 19.21     | 0.083   | 100.000   | Pass    |
|                            |              |           | RB1#14                | 22.4                            | -1.05              | -3.2               | 19.20     | 0.083   | 100.000   | Pass    |
|                            |              |           | RB8#0                 | 21.37                           | -1.05              | -3.2               | 18.17     | 0.066   | 100.000   | Pass    |
|                            |              |           | RB8#4                 | 21.43                           | -1.05              | -3.2               | 18.23     | 0.067   | 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> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                            |              | 16-QAM    | RB8#7                 | 21.37                           | -1.05              | -3.2               | 18.17     | 0.066   | 100.000   | Pass    |
|                            |              |           | RB15#0                | 21.4                            | -1.05              | -3.2               | 18.20     | 0.066   | 100.000   | Pass    |
|                            |              |           | RB1#0                 | 21.45                           | -1.05              | -3.2               | 18.25     | 0.067   | 100.000   | Pass    |
|                            |              |           | RB1#7                 | 21.44                           | -1.05              | -3.2               | 18.24     | 0.067   | 100.000   | Pass    |
|                            |              |           | RB1#14                | 21.4                            | -1.05              | -3.2               | 18.20     | 0.066   | 100.000   | Pass    |
|                            |              |           | RB8#0                 | 20.44                           | -1.05              | -3.2               | 17.24     | 0.053   | 100.000   | Pass    |
|                            |              |           | RB8#4                 | 20.48                           | -1.05              | -3.2               | 17.28     | 0.053   | 100.000   | Pass    |
|                            |              |           | RB8#7                 | 20.43                           | -1.05              | -3.2               | 17.23     | 0.053   | 100.000   | Pass    |
|                            |              |           | RB15#0                | 20.36                           | -1.05              | -3.2               | 17.16     | 0.052   | 100.000   | Pass    |
| 5 MHz                      | LCH          | QPSK      | RB1#0                 | 22.25                           | -1.05              | -3.2               | 19.05     | 0.080   | 100.000   | Pass    |
|                            |              |           | RB1#13                | 22.37                           | -1.05              | -3.2               | 19.17     | 0.083   | 100.000   | Pass    |
|                            |              |           | RB1#24                | 22.23                           | -1.05              | -3.2               | 19.03     | 0.080   | 100.000   | Pass    |
|                            |              |           | RB12#0                | 21.31                           | -1.05              | -3.2               | 18.11     | 0.065   | 100.000   | Pass    |
|                            |              |           | RB12#6                | 21.44                           | -1.05              | -3.2               | 18.24     | 0.067   | 100.000   | Pass    |
|                            |              |           | RB12#13               | 21.34                           | -1.05              | -3.2               | 18.14     | 0.065   | 100.000   | Pass    |
|                            |              |           | RB25#0                | 21.34                           | -1.05              | -3.2               | 18.14     | 0.065   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.39                           | -1.05              | -3.2               | 18.19     | 0.066   | 100.000   | Pass    |
|                            |              |           | RB1#13                | 21.57                           | -1.05              | -3.2               | 18.37     | 0.069   | 100.000   | Pass    |
|                            |              |           | RB1#24                | 21.5                            | -1.05              | -3.2               | 18.30     | 0.068   | 100.000   | Pass    |
|                            |              |           | RB12#0                | 20.42                           | -1.05              | -3.2               | 17.22     | 0.053   | 100.000   | Pass    |
|                            |              |           | RB12#6                | 20.49                           | -1.05              | -3.2               | 17.29     | 0.054   | 100.000   | Pass    |
|                            |              |           | RB12#13               | 20.43                           | -1.05              | -3.2               | 17.23     | 0.053   | 100.000   | Pass    |
|                            |              |           | RB25#0                | 20.4                            | -1.05              | -3.2               | 17.20     | 0.052   | 100.000   | Pass    |
|                            | MCH          | QPSK      | RB1#0                 | 22.23                           | -1.05              | -3.2               | 19.03     | 0.080   | 100.000   | Pass    |
|                            |              |           | RB1#13                | 22.36                           | -1.05              | -3.2               | 19.16     | 0.082   | 100.000   | Pass    |
|                            |              |           | RB1#24                | 22.33                           | -1.05              | -3.2               | 19.13     | 0.082   | 100.000   | Pass    |
|                            |              |           | RB12#0                | 21.33                           | -1.05              | -3.2               | 18.13     | 0.065   | 100.000   | Pass    |
|                            |              |           | RB12#6                | 21.42                           | -1.05              | -3.2               | 18.22     | 0.066   | 100.000   | Pass    |
|                            |              |           | RB12#13               | 21.38                           | -1.05              | -3.2               | 18.18     | 0.066   | 100.000   | Pass    |
|                            |              |           | RB25#0                | 21.35                           | -1.05              | -3.2               | 18.15     | 0.065   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.75                           | -1.05              | -3.2               | 18.55     | 0.072   | 100.000   | Pass    |
|                            |              |           | RB1#13                | 21.87                           | -1.05              | -3.2               | 18.67     | 0.074   | 100.000   | Pass    |
|                            |              |           | RB1#24                | 21.8                            | -1.05              | -3.2               | 18.60     | 0.072   | 100.000   | Pass    |
|                            |              |           | RB12#0                | 20.39                           | -1.05              | -3.2               | 17.19     | 0.052   | 100.000   | Pass    |
|                            |              |           | RB12#6                | 20.54                           | -1.05              | -3.2               | 17.34     | 0.054   | 100.000   | Pass    |
|                            |              |           | RB12#13               | 20.55                           | -1.05              | -3.2               | 17.35     | 0.054   | 100.000   | Pass    |
|                            |              |           | RB25#0                | 20.45                           | -1.05              | -3.2               | 17.25     | 0.053   | 100.000   | Pass    |
|                            | HCH          | QPSK      | RB1#0                 | 22.22                           | -1.05              | -3.2               | 19.02     | 0.080   | 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                | 22.41                           | -1.05              | -3.2               | 19.21     | 0.083   | 100.000   | Pass    |
|                            |              |           | RB1#24                | 22.27                           | -1.05              | -3.2               | 19.07     | 0.081   | 100.000   | Pass    |
|                            |              |           | RB12#0                | 21.3                            | -1.05              | -3.2               | 18.10     | 0.065   | 100.000   | Pass    |
|                            |              |           | RB12#6                | 21.46                           | -1.05              | -3.2               | 18.26     | 0.067   | 100.000   | Pass    |
|                            |              |           | RB12#13               | 21.36                           | -1.05              | -3.2               | 18.16     | 0.065   | 100.000   | Pass    |
|                            |              |           | RB25#0                | 21.39                           | -1.05              | -3.2               | 18.19     | 0.066   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.4                            | -1.05              | -3.2               | 18.20     | 0.066   | 100.000   | Pass    |
|                            |              |           | RB1#13                | 21.6                            | -1.05              | -3.2               | 18.40     | 0.069   | 100.000   | Pass    |
|                            |              |           | RB1#24                | 21.45                           | -1.05              | -3.2               | 18.25     | 0.067   | 100.000   | Pass    |
|                            |              |           | RB12#0                | 20.39                           | -1.05              | -3.2               | 17.19     | 0.052   | 100.000   | Pass    |
|                            |              |           | RB12#6                | 20.53                           | -1.05              | -3.2               | 17.33     | 0.054   | 100.000   | Pass    |
|                            |              |           | RB12#13               | 20.45                           | -1.05              | -3.2               | 17.25     | 0.053   | 100.000   | Pass    |
|                            |              |           | RB25#0                | 20.35                           | -1.05              | -3.2               | 17.15     | 0.052   | 100.000   | Pass    |
|                            |              |           |                       |                                 |                    |                    |           |         |           |         |
| 10 MHz                     | MCH          | QPSK      | RB1#0                 | 22.27                           | -1.05              | -3.2               | 19.07     | 0.081   | 100.000   | Pass    |
|                            |              |           | RB1#25                | 22.45                           | -1.05              | -3.2               | 19.25     | 0.084   | 100.000   | Pass    |
|                            |              |           | RB1#49                | 22.34                           | -1.05              | -3.2               | 19.14     | 0.082   | 100.000   | Pass    |
|                            |              |           | RB25#0                | 21.29                           | -1.05              | -3.2               | 18.09     | 0.064   | 100.000   | Pass    |
|                            |              |           | RB25#13               | 21.41                           | -1.05              | -3.2               | 18.21     | 0.066   | 100.000   | Pass    |
|                            |              |           | RB25#25               | 21.43                           | -1.05              | -3.2               | 18.23     | 0.067   | 100.000   | Pass    |
|                            |              |           | RB50#0                | 21.37                           | -1.05              | -3.2               | 18.17     | 0.066   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 21.25                           | -1.05              | -3.2               | 18.05     | 0.064   | 100.000   | Pass    |
|                            |              |           | RB1#25                | 21.38                           | -1.05              | -3.2               | 18.18     | 0.066   | 100.000   | Pass    |
|                            |              |           | RB1#49                | 21.34                           | -1.05              | -3.2               | 18.14     | 0.065   | 100.000   | Pass    |
|                            |              |           | RB25#0                | 20.36                           | -1.05              | -3.2               | 17.16     | 0.052   | 100.000   | Pass    |
|                            |              |           | RB25#13               | 20.45                           | -1.05              | -3.2               | 17.25     | 0.053   | 100.000   | Pass    |
|                            |              |           | RB25#25               | 20.52                           | -1.05              | -3.2               | 17.32     | 0.054   | 100.000   | Pass    |
|                            |              |           | RB50#0                | 20.4                            | -1.05              | -3.2               | 17.20     | 0.052   | 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                 | 22.16                           | -0.54              | 21.62      | 0.145    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 22.21                           | -0.54              | 21.67      | 0.147    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 22.08                           | -0.54              | 21.54      | 0.143    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 21.13                           | -0.54              | 20.59      | 0.115    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 21.23                           | -0.54              | 20.69      | 0.117    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 21.11                           | -0.54              | 20.57      | 0.114    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.15                           | -0.54              | 20.61      | 0.115    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.49                           | -0.54              | 20.95      | 0.124    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 21.56                           | -0.54              | 21.02      | 0.126    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 21.43                           | -0.54              | 20.89      | 0.123    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 20.31                           | -0.54              | 19.77      | 0.095    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 20.31                           | -0.54              | 19.77      | 0.095    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 20.29                           | -0.54              | 19.75      | 0.094    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.17                           | -0.54              | 19.63      | 0.092    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.19                           | -0.54              | 21.65      | 0.146    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 22.3                            | -0.54              | 21.76      | 0.150    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 22.17                           | -0.54              | 21.63      | 0.146    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 21.24                           | -0.54              | 20.70      | 0.117    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 21.32                           | -0.54              | 20.78      | 0.120    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 21.22                           | -0.54              | 20.68      | 0.117    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.23                           | -0.54              | 20.69      | 0.117    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.4                            | -0.54              | 20.86      | 0.122    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 21.52                           | -0.54              | 20.98      | 0.125    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 21.37                           | -0.54              | 20.83      | 0.121    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 20.3                            | -0.54              | 19.76      | 0.095    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 20.34                           | -0.54              | 19.80      | 0.095    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 20.28                           | -0.54              | 19.74      | 0.094    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.26                           | -0.54              | 19.72      | 0.094    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 21.99                           | -0.54              | 21.45      | 0.140    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 22.07                           | -0.54              | 21.53      | 0.142    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 21.93                           | -0.54              | 21.39      | 0.138    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 21                              | -0.54              | 20.46      | 0.111    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 21.12                           | -0.54              | 20.58      | 0.114    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 21.05                           | -0.54              | 20.51      | 0.112    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.03                           | -0.54              | 20.49      | 0.112    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.26                           | -0.54              | 20.72      | 0.118    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 21.37                           | -0.54              | 20.83      | 0.121    | 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                | 21.26                           | -0.54              | 20.72      | 0.118    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 20.02                           | -0.54              | 19.48      | 0.089    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 20.11                           | -0.54              | 19.57      | 0.091    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 20.02                           | -0.54              | 19.48      | 0.089    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.08                           | -0.54              | 19.54      | 0.090    | 2.00      | Pass    |
|                   | LCH          | QPSK      | RB1#0                 | 22.19                           | -0.54              | 21.65      | 0.146    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 22.43                           | -0.54              | 21.89      | 0.155    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 22.14                           | -0.54              | 21.60      | 0.145    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.22                           | -0.54              | 20.68      | 0.117    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 21.19                           | -0.54              | 20.65      | 0.116    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 21.16                           | -0.54              | 20.62      | 0.115    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.2                            | -0.54              | 20.66      | 0.116    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.45                           | -0.54              | 20.91      | 0.123    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 21.68                           | -0.54              | 21.14      | 0.130    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 21.42                           | -0.54              | 20.88      | 0.122    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.25                           | -0.54              | 19.71      | 0.094    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 20.19                           | -0.54              | 19.65      | 0.092    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 20.19                           | -0.54              | 19.65      | 0.092    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.24                           | -0.54              | 19.70      | 0.093    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.32                           | -0.54              | 21.78      | 0.151    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 22.58                           | -0.54              | 22.04      | 0.160    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 22.22                           | -0.54              | 21.68      | 0.147    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.32                           | -0.54              | 20.78      | 0.120    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 21.27                           | -0.54              | 20.73      | 0.118    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 21.27                           | -0.54              | 20.73      | 0.118    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.29                           | -0.54              | 20.75      | 0.119    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.72                           | -0.54              | 21.18      | 0.131    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 21.97                           | -0.54              | 21.43      | 0.139    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 21.62                           | -0.54              | 21.08      | 0.128    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.35                           | -0.54              | 19.81      | 0.096    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 20.28                           | -0.54              | 19.74      | 0.094    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 20.27                           | -0.54              | 19.73      | 0.094    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.33                           | -0.54              | 19.79      | 0.095    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.2                            | -0.54              | 21.66      | 0.147    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 22.42                           | -0.54              | 21.88      | 0.154    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 22.03                           | -0.54              | 21.49      | 0.141    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.19                           | -0.54              | 20.65      | 0.116    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 21.12                           | -0.54              | 20.58      | 0.114    | 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> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              | 16-QAM    | RB25#25               | 21.1                            | -0.54              | 20.56      | 0.114    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.1                            | -0.54              | 20.56      | 0.114    | 2.00      | Pass    |
|                   |              |           | RB1#0                 | 21.57                           | -0.54              | 21.03      | 0.127    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 21.77                           | -0.54              | 21.23      | 0.133    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 21.39                           | -0.54              | 20.85      | 0.122    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.19                           | -0.54              | 19.65      | 0.092    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 20.16                           | -0.54              | 19.62      | 0.092    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 20.16                           | -0.54              | 19.62      | 0.092    | 2.00      | Pass    |
| 15 MHz            | LCH          | QPSK      | RB1#0                 | 22.1                            | -0.54              | 21.56      | 0.143    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 22.18                           | -0.54              | 21.64      | 0.146    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 22.08                           | -0.54              | 21.54      | 0.143    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 21.24                           | -0.54              | 20.70      | 0.117    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 21.21                           | -0.54              | 20.67      | 0.117    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 21.19                           | -0.54              | 20.65      | 0.116    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 21.22                           | -0.54              | 20.68      | 0.117    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.37                           | -0.54              | 20.83      | 0.121    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 21.43                           | -0.54              | 20.89      | 0.123    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 21.3                            | -0.54              | 20.76      | 0.119    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 20.22                           | -0.54              | 19.68      | 0.093    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 20.18                           | -0.54              | 19.64      | 0.092    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 20.15                           | -0.54              | 19.61      | 0.091    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 20.18                           | -0.54              | 19.64      | 0.092    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.19                           | -0.54              | 21.65      | 0.146    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 22.34                           | -0.54              | 21.80      | 0.151    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 22.11                           | -0.54              | 21.57      | 0.144    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 21.29                           | -0.54              | 20.75      | 0.119    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 21.3                            | -0.54              | 20.76      | 0.119    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 21.25                           | -0.54              | 20.71      | 0.118    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 21.26                           | -0.54              | 20.72      | 0.118    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.64                           | -0.54              | 21.10      | 0.129    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 21.74                           | -0.54              | 21.20      | 0.132    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 21.55                           | -0.54              | 21.01      | 0.126    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 20.25                           | -0.54              | 19.71      | 0.094    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 20.27                           | -0.54              | 19.73      | 0.094    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 20.2                            | -0.54              | 19.66      | 0.092    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 20.26                           | -0.54              | 19.72      | 0.094    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.12                           | -0.54              | 21.58      | 0.144    | 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                | 22.16                           | -0.54              | 21.62      | 0.145    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 21.95                           | -0.54              | 21.41      | 0.138    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 21.24                           | -0.54              | 20.70      | 0.117    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 21.14                           | -0.54              | 20.60      | 0.115    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 21.08                           | -0.54              | 20.54      | 0.113    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 21.14                           | -0.54              | 20.60      | 0.115    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.43                           | -0.54              | 20.89      | 0.123    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 21.46                           | -0.54              | 20.92      | 0.124    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 21.25                           | -0.54              | 20.71      | 0.118    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 20.18                           | -0.54              | 19.64      | 0.092    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 20.18                           | -0.54              | 19.64      | 0.092    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 20.09                           | -0.54              | 19.55      | 0.090    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 20.12                           | -0.54              | 19.58      | 0.091    | 2.00      | Pass    |
| 20 MHz            | LCH          | QPSK      | RB1#0                 | 21.97                           | -0.54              | 21.43      | 0.139    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 22.42                           | -0.54              | 21.88      | 0.154    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 21.89                           | -0.54              | 21.35      | 0.136    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.22                           | -0.54              | 20.68      | 0.117    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 21.19                           | -0.54              | 20.65      | 0.116    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 21.11                           | -0.54              | 20.57      | 0.114    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 21.15                           | -0.54              | 20.61      | 0.115    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.24                           | -0.54              | 20.70      | 0.117    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 21.73                           | -0.54              | 21.19      | 0.132    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 21.2                            | -0.54              | 20.66      | 0.116    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.19                           | -0.54              | 19.65      | 0.092    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 20.19                           | -0.54              | 19.65      | 0.092    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 20.12                           | -0.54              | 19.58      | 0.091    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 20.19                           | -0.54              | 19.65      | 0.092    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 21.96                           | -0.54              | 21.42      | 0.139    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 22.49                           | -0.54              | 21.95      | 0.157    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 21.85                           | -0.54              | 21.31      | 0.135    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.28                           | -0.54              | 20.74      | 0.119    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 21.32                           | -0.54              | 20.78      | 0.120    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 21.19                           | -0.54              | 20.65      | 0.116    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 21.25                           | -0.54              | 20.71      | 0.118    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.19                           | -0.54              | 20.65      | 0.116    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 21.7                            | -0.54              | 21.16      | 0.131    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 21.08                           | -0.54              | 20.54      | 0.113    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.32                           | -0.54              | 19.78      | 0.095    | 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               | 20.31                           | -0.54              | 19.77      | 0.095    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 20.22                           | -0.54              | 19.68      | 0.093    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 20.27                           | -0.54              | 19.73      | 0.094    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.01                           | -0.54              | 21.47      | 0.140    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 22.51                           | -0.54              | 21.97      | 0.157    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 21.85                           | -0.54              | 21.31      | 0.135    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.13                           | -0.54              | 20.59      | 0.115    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 21.18                           | -0.54              | 20.64      | 0.116    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 21.08                           | -0.54              | 20.54      | 0.113    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 21.16                           | -0.54              | 20.62      | 0.115    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.38                           | -0.54              | 20.84      | 0.121    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 21.85                           | -0.54              | 21.31      | 0.135    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 21.16                           | -0.54              | 20.62      | 0.115    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.19                           | -0.54              | 19.65      | 0.092    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 20.25                           | -0.54              | 19.71      | 0.094    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 20.16                           | -0.54              | 19.62      | 0.092    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 20.17                           | -0.54              | 19.63      | 0.092    | 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                 | 22.45                           | -0.27              | 22.18      | 0.165    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 22.53                           | -0.27              | 22.26      | 0.168    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 22.4                            | -0.27              | 22.13      | 0.163    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 21.49                           | -0.27              | 21.22      | 0.132    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 21.55                           | -0.27              | 21.28      | 0.134    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 21.51                           | -0.27              | 21.24      | 0.133    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.49                           | -0.27              | 21.22      | 0.132    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.61                           | -0.27              | 21.34      | 0.136    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 21.69                           | -0.27              | 21.42      | 0.139    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 21.55                           | -0.27              | 21.28      | 0.134    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 20.53                           | -0.27              | 20.26      | 0.106    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 20.56                           | -0.27              | 20.29      | 0.107    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 20.55                           | -0.27              | 20.28      | 0.107    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.52                           | -0.27              | 20.25      | 0.106    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.22                           | -0.27              | 21.95      | 0.157    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 22.32                           | -0.27              | 22.05      | 0.160    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 22.18                           | -0.27              | 21.91      | 0.155    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 21.3                            | -0.27              | 21.03      | 0.127    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 21.32                           | -0.27              | 21.05      | 0.127    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 21.24                           | -0.27              | 20.97      | 0.125    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.26                           | -0.27              | 20.99      | 0.126    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.51                           | -0.27              | 21.24      | 0.133    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 21.61                           | -0.27              | 21.34      | 0.136    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 21.47                           | -0.27              | 21.20      | 0.132    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 20.28                           | -0.27              | 20.01      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 20.35                           | -0.27              | 20.08      | 0.102    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 20.25                           | -0.27              | 19.98      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.3                            | -0.27              | 20.03      | 0.101    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.08                           | -0.27              | 21.81      | 0.152    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 22.24                           | -0.27              | 21.97      | 0.157    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 22.16                           | -0.27              | 21.89      | 0.155    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 21.15                           | -0.27              | 20.88      | 0.122    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 21.25                           | -0.27              | 20.98      | 0.125    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 21.2                            | -0.27              | 20.93      | 0.124    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.13                           | -0.27              | 20.86      | 0.122    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.49                           | -0.27              | 21.22      | 0.132    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 21.61                           | -0.27              | 21.34      | 0.136    | 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                | 21.53                           | -0.27              | 21.26      | 0.134    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 20.28                           | -0.27              | 20.01      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 20.38                           | -0.27              | 20.11      | 0.103    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 20.31                           | -0.27              | 20.04      | 0.101    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.21                           | -0.27              | 19.94      | 0.099    | 2.00      | Pass    |
|                   | LCH          | QPSK      | RB1#0                 | 22.49                           | -0.27              | 22.22      | 0.167    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 22.78                           | -0.27              | 22.51      | 0.178    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 22.37                           | -0.27              | 22.10      | 0.162    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.51                           | -0.27              | 21.24      | 0.133    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 21.51                           | -0.27              | 21.24      | 0.133    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 21.54                           | -0.27              | 21.27      | 0.134    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.51                           | -0.27              | 21.24      | 0.133    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.69                           | -0.27              | 21.42      | 0.139    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 21.93                           | -0.27              | 21.66      | 0.147    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 21.57                           | -0.27              | 21.30      | 0.135    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.51                           | -0.27              | 20.24      | 0.106    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 20.51                           | -0.27              | 20.24      | 0.106    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 20.54                           | -0.27              | 20.27      | 0.106    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.51                           | -0.27              | 20.24      | 0.106    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.33                           | -0.27              | 22.06      | 0.161    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 22.62                           | -0.27              | 22.35      | 0.172    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 22.26                           | -0.27              | 21.99      | 0.158    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.37                           | -0.27              | 21.10      | 0.129    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 21.33                           | -0.27              | 21.06      | 0.128    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 21.28                           | -0.27              | 21.01      | 0.126    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.32                           | -0.27              | 21.05      | 0.127    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.75                           | -0.27              | 21.48      | 0.141    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 22.03                           | -0.27              | 21.76      | 0.150    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 21.7                            | -0.27              | 21.43      | 0.139    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.36                           | -0.27              | 20.09      | 0.102    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 20.37                           | -0.27              | 20.10      | 0.102    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 20.32                           | -0.27              | 20.05      | 0.101    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.38                           | -0.27              | 20.11      | 0.103    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.16                           | -0.27              | 21.89      | 0.155    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 22.51                           | -0.27              | 22.24      | 0.167    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 22.24                           | -0.27              | 21.97      | 0.157    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.2                            | -0.27              | 20.93      | 0.124    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 21.22                           | -0.27              | 20.95      | 0.124    | 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> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              | 16-QAM    | RB25#25               | 21.23                           | -0.27              | 20.96      | 0.125    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.19                           | -0.27              | 20.92      | 0.124    | 2.00      | Pass    |
|                   |              |           | RB1#0                 | 21.54                           | -0.27              | 21.27      | 0.134    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 21.88                           | -0.27              | 21.61      | 0.145    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 21.63                           | -0.27              | 21.36      | 0.137    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.24                           | -0.27              | 19.97      | 0.099    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 20.26                           | -0.27              | 19.99      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 20.28                           | -0.27              | 20.01      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.25                           | -0.27              | 19.98      | 0.100    | 2.00      | Pass    |
| 15 MHz            | LCH          | QPSK      | RB1#0                 | 22.44                           | -0.27              | 22.17      | 0.165    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 22.51                           | -0.27              | 22.24      | 0.167    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 22.28                           | -0.27              | 22.01      | 0.159    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 21.57                           | -0.27              | 21.30      | 0.135    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 21.61                           | -0.27              | 21.34      | 0.136    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 21.54                           | -0.27              | 21.27      | 0.134    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 21.59                           | -0.27              | 21.32      | 0.136    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.63                           | -0.27              | 21.36      | 0.137    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 21.66                           | -0.27              | 21.39      | 0.138    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 21.48                           | -0.27              | 21.21      | 0.132    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 20.52                           | -0.27              | 20.25      | 0.106    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 20.52                           | -0.27              | 20.25      | 0.106    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 20.49                           | -0.27              | 20.22      | 0.105    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 20.51                           | -0.27              | 20.24      | 0.106    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.25                           | -0.27              | 21.98      | 0.158    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 22.34                           | -0.27              | 22.07      | 0.161    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 22.2                            | -0.27              | 21.93      | 0.156    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 21.35                           | -0.27              | 21.08      | 0.128    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 21.35                           | -0.27              | 21.08      | 0.128    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 21.29                           | -0.27              | 21.02      | 0.126    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 21.34                           | -0.27              | 21.07      | 0.128    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.67                           | -0.27              | 21.40      | 0.138    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 21.76                           | -0.27              | 21.49      | 0.141    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 21.6                            | -0.27              | 21.33      | 0.136    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 20.3                            | -0.27              | 20.03      | 0.101    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 20.3                            | -0.27              | 20.03      | 0.101    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 20.26                           | -0.27              | 19.99      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 20.32                           | -0.27              | 20.05      | 0.101    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.03                           | -0.27              | 21.76      | 0.150    | 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                | 22.22                           | -0.27              | 21.95      | 0.157    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 22.1                            | -0.27              | 21.83      | 0.152    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 21.14                           | -0.27              | 20.87      | 0.122    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 21.18                           | -0.27              | 20.91      | 0.123    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 21.21                           | -0.27              | 20.94      | 0.124    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 21.18                           | -0.27              | 20.91      | 0.123    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.32                           | -0.27              | 21.05      | 0.127    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 21.49                           | -0.27              | 21.22      | 0.132    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 21.43                           | -0.27              | 21.16      | 0.131    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 20.18                           | -0.27              | 19.91      | 0.098    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 20.22                           | -0.27              | 19.95      | 0.099    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 20.26                           | -0.27              | 19.99      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 20.2                            | -0.27              | 19.93      | 0.098    | 2.00      | Pass    |
| 20 MHz            | LCH          | QPSK      | RB1#0                 | 22.31                           | -0.27              | 22.04      | 0.160    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 22.72                           | -0.27              | 22.45      | 0.176    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 22.12                           | -0.27              | 21.85      | 0.153    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.39                           | -0.27              | 21.12      | 0.129    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 21.47                           | -0.27              | 21.20      | 0.132    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 21.41                           | -0.27              | 21.14      | 0.130    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 21.39                           | -0.27              | 21.12      | 0.129    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.55                           | -0.27              | 21.28      | 0.134    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 21.93                           | -0.27              | 21.66      | 0.147    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 21.36                           | -0.27              | 21.09      | 0.129    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.43                           | -0.27              | 20.16      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 20.44                           | -0.27              | 20.17      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 20.41                           | -0.27              | 20.14      | 0.103    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 20.4                            | -0.27              | 20.13      | 0.103    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.06                           | -0.27              | 21.79      | 0.151    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 22.52                           | -0.27              | 22.25      | 0.168    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 21.92                           | -0.27              | 21.65      | 0.146    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.34                           | -0.27              | 21.07      | 0.128    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 21.33                           | -0.27              | 21.06      | 0.128    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 21.24                           | -0.27              | 20.97      | 0.125    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 21.31                           | -0.27              | 21.04      | 0.127    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.26                           | -0.27              | 20.99      | 0.126    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 21.74                           | -0.27              | 21.47      | 0.140    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 21.18                           | -0.27              | 20.91      | 0.123    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.35                           | -0.27              | 20.08      | 0.102    | 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               | 20.34                           | -0.27              | 20.07      | 0.102    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 20.26                           | -0.27              | 19.99      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 20.33                           | -0.27              | 20.06      | 0.101    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 21.91                           | -0.27              | 21.64      | 0.146    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 22.52                           | -0.27              | 22.25      | 0.168    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 22.06                           | -0.27              | 21.79      | 0.151    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.08                           | -0.27              | 20.81      | 0.121    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 21.19                           | -0.27              | 20.92      | 0.124    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 21.18                           | -0.27              | 20.91      | 0.123    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 21.13                           | -0.27              | 20.86      | 0.122    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.23                           | -0.27              | 20.96      | 0.125    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 21.85                           | -0.27              | 21.58      | 0.144    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 21.37                           | -0.27              | 21.10      | 0.129    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.15                           | -0.27              | 19.88      | 0.097    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 20.25                           | -0.27              | 19.98      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 20.29                           | -0.27              | 20.02      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 20.19                           | -0.27              | 19.92      | 0.098    | 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                 | 22.84                           | -0.46              | 22.38      | 0.173    | 1.000     | Pass    |
|                   |              |           | RB1#3                 | 22.98                           | -0.46              | 22.52      | 0.179    | 1.000     | Pass    |
|                   |              |           | RB1#5                 | 22.81                           | -0.46              | 22.35      | 0.172    | 1.000     | Pass    |
|                   |              |           | RB3#0                 | 22.85                           | -0.46              | 22.39      | 0.173    | 1.000     | Pass    |
|                   |              |           | RB3#2                 | 22.95                           | -0.46              | 22.49      | 0.177    | 1.000     | Pass    |
|                   |              |           | RB3#3                 | 22.89                           | -0.46              | 22.43      | 0.175    | 1.000     | Pass    |
|                   |              |           | RB6#0                 | 21.87                           | -0.46              | 21.41      | 0.138    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.96                           | -0.46              | 21.50      | 0.141    | 1.000     | Pass    |
|                   |              |           | RB1#3                 | 22.16                           | -0.46              | 21.70      | 0.148    | 1.000     | Pass    |
|                   |              |           | RB1#5                 | 21.99                           | -0.46              | 21.53      | 0.142    | 1.000     | Pass    |
|                   |              |           | RB3#0                 | 21.94                           | -0.46              | 21.48      | 0.141    | 1.000     | Pass    |
|                   |              |           | RB3#2                 | 22                              | -0.46              | 21.54      | 0.143    | 1.000     | Pass    |
|                   |              |           | RB3#3                 | 21.96                           | -0.46              | 21.50      | 0.141    | 1.000     | Pass    |
|                   |              |           | RB6#0                 | 21.07                           | -0.46              | 20.61      | 0.115    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.76                           | -0.46              | 22.30      | 0.170    | 1.000     | Pass    |
|                   |              |           | RB1#3                 | 22.93                           | -0.46              | 22.47      | 0.177    | 1.000     | Pass    |
|                   |              |           | RB1#5                 | 22.74                           | -0.46              | 22.28      | 0.169    | 1.000     | Pass    |
|                   |              |           | RB3#0                 | 22.87                           | -0.46              | 22.41      | 0.174    | 1.000     | Pass    |
|                   |              |           | RB3#2                 | 22.9                            | -0.46              | 22.44      | 0.175    | 1.000     | Pass    |
|                   |              |           | RB3#3                 | 22.81                           | -0.46              | 22.35      | 0.172    | 1.000     | Pass    |
|                   |              |           | RB6#0                 | 21.82                           | -0.46              | 21.36      | 0.137    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.13                           | -0.46              | 21.67      | 0.147    | 1.000     | Pass    |
|                   |              |           | RB1#3                 | 22.3                            | -0.46              | 21.84      | 0.153    | 1.000     | Pass    |
|                   |              |           | RB1#5                 | 22.12                           | -0.46              | 21.66      | 0.147    | 1.000     | Pass    |
|                   |              |           | RB3#0                 | 22.03                           | -0.46              | 21.57      | 0.144    | 1.000     | Pass    |
|                   |              |           | RB3#2                 | 22.04                           | -0.46              | 21.58      | 0.144    | 1.000     | Pass    |
|                   |              |           | RB3#3                 | 22.02                           | -0.46              | 21.56      | 0.143    | 1.000     | Pass    |
|                   |              |           | RB6#0                 | 20.76                           | -0.46              | 20.30      | 0.107    | 1.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.75                           | -0.46              | 22.29      | 0.169    | 1.000     | Pass    |
|                   |              |           | RB1#3                 | 22.9                            | -0.46              | 22.44      | 0.175    | 1.000     | Pass    |
|                   |              |           | RB1#5                 | 22.77                           | -0.46              | 22.31      | 0.170    | 1.000     | Pass    |
|                   |              |           | RB3#0                 | 22.89                           | -0.46              | 22.43      | 0.175    | 1.000     | Pass    |
|                   |              |           | RB3#2                 | 22.93                           | -0.46              | 22.47      | 0.177    | 1.000     | Pass    |
|                   |              |           | RB3#3                 | 22.89                           | -0.46              | 22.43      | 0.175    | 1.000     | Pass    |
|                   |              |           | RB6#0                 | 21.84                           | -0.46              | 21.38      | 0.137    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.81                           | -0.46              | 21.35      | 0.136    | 1.000     | Pass    |
|                   |              |           | RB1#3                 | 22.01                           | -0.46              | 21.55      | 0.143    | 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 BAND66</b> |              |           |                       |                                 |                    |            |          |           |         |
| 3 MHz             |              |           | RB1#5                 | 21.81                           | -0.46              | 21.35      | 0.136    | 1.000     | Pass    |
|                   |              |           | RB3#0                 | 22.01                           | -0.46              | 21.55      | 0.143    | 1.000     | Pass    |
|                   |              |           | RB3#2                 | 22.06                           | -0.46              | 21.60      | 0.145    | 1.000     | Pass    |
|                   |              |           | RB3#3                 | 22.02                           | -0.46              | 21.56      | 0.143    | 1.000     | Pass    |
|                   |              |           | RB6#0                 | 21.01                           | -0.46              | 20.55      | 0.114    | 1.000     | Pass    |
|                   | LCH          | QPSK      | RB1#0                 | 22.87                           | -0.46              | 22.41      | 0.174    | 1.000     | Pass    |
|                   |              |           | RB1#7                 | 22.83                           | -0.46              | 22.37      | 0.173    | 1.000     | Pass    |
|                   |              |           | RB1#14                | 22.83                           | -0.46              | 22.37      | 0.173    | 1.000     | Pass    |
|                   |              |           | RB8#0                 | 21.88                           | -0.46              | 21.42      | 0.139    | 1.000     | Pass    |
|                   |              |           | RB8#4                 | 21.93                           | -0.46              | 21.47      | 0.140    | 1.000     | Pass    |
|                   |              |           | RB8#7                 | 21.94                           | -0.46              | 21.48      | 0.141    | 1.000     | Pass    |
|                   |              |           | RB15#0                | 21.89                           | -0.46              | 21.43      | 0.139    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.84                           | -0.46              | 21.38      | 0.137    | 1.000     | Pass    |
|                   |              |           | RB1#7                 | 21.81                           | -0.46              | 21.35      | 0.136    | 1.000     | Pass    |
|                   |              |           | RB1#14                | 21.81                           | -0.46              | 21.35      | 0.136    | 1.000     | Pass    |
|                   |              |           | RB8#0                 | 21.01                           | -0.46              | 20.55      | 0.114    | 1.000     | Pass    |
|                   |              |           | RB8#4                 | 21.03                           | -0.46              | 20.57      | 0.114    | 1.000     | Pass    |
|                   |              |           | RB8#7                 | 21.01                           | -0.46              | 20.55      | 0.114    | 1.000     | Pass    |
|                   |              |           | RB15#0                | 20.93                           | -0.46              | 20.47      | 0.111    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.8                            | -0.46              | 22.34      | 0.171    | 1.000     | Pass    |
|                   |              |           | RB1#7                 | 22.79                           | -0.46              | 22.33      | 0.171    | 1.000     | Pass    |
|                   |              |           | RB1#14                | 22.75                           | -0.46              | 22.29      | 0.169    | 1.000     | Pass    |
|                   |              |           | RB8#0                 | 21.77                           | -0.46              | 21.31      | 0.135    | 1.000     | Pass    |
|                   |              |           | RB8#4                 | 21.81                           | -0.46              | 21.35      | 0.136    | 1.000     | Pass    |
|                   |              |           | RB8#7                 | 21.79                           | -0.46              | 21.33      | 0.136    | 1.000     | Pass    |
|                   |              |           | RB15#0                | 21.79                           | -0.46              | 21.33      | 0.136    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.13                           | -0.46              | 21.67      | 0.147    | 1.000     | Pass    |
|                   |              |           | RB1#7                 | 22.18                           | -0.46              | 21.72      | 0.149    | 1.000     | Pass    |
|                   |              |           | RB1#14                | 22.16                           | -0.46              | 21.70      | 0.148    | 1.000     | Pass    |
|                   |              |           | RB8#0                 | 20.89                           | -0.46              | 20.43      | 0.110    | 1.000     | Pass    |
|                   |              |           | RB8#4                 | 20.92                           | -0.46              | 20.46      | 0.111    | 1.000     | Pass    |
|                   |              |           | RB8#7                 | 20.86                           | -0.46              | 20.40      | 0.110    | 1.000     | Pass    |
|                   |              |           | RB15#0                | 20.82                           | -0.46              | 20.36      | 0.109    | 1.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.8                            | -0.46              | 22.34      | 0.171    | 1.000     | Pass    |
|                   |              |           | RB1#7                 | 22.81                           | -0.46              | 22.35      | 0.172    | 1.000     | Pass    |
|                   |              |           | RB1#14                | 22.79                           | -0.46              | 22.33      | 0.171    | 1.000     | Pass    |
|                   |              |           | RB8#0                 | 21.8                            | -0.46              | 21.34      | 0.136    | 1.000     | Pass    |
|                   |              |           | RB8#4                 | 21.87                           | -0.46              | 21.41      | 0.138    | 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 BAND66</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              | 16-QAM    | RB8#7                 | 21.81                           | -0.46              | 21.35      | 0.136    | 1.000     | Pass    |
|                   |              |           | RB15#0                | 21.84                           | -0.46              | 21.38      | 0.137    | 1.000     | Pass    |
|                   |              |           | RB1#0                 | 21.85                           | -0.46              | 21.39      | 0.138    | 1.000     | Pass    |
|                   |              |           | RB1#7                 | 21.83                           | -0.46              | 21.37      | 0.137    | 1.000     | Pass    |
|                   |              |           | RB1#14                | 21.8                            | -0.46              | 21.34      | 0.136    | 1.000     | Pass    |
|                   |              |           | RB8#0                 | 20.85                           | -0.46              | 20.39      | 0.109    | 1.000     | Pass    |
|                   |              |           | RB8#4                 | 20.92                           | -0.46              | 20.46      | 0.111    | 1.000     | Pass    |
|                   |              |           | RB8#7                 | 20.82                           | -0.46              | 20.36      | 0.109    | 1.000     | Pass    |
|                   |              |           | RB15#0                | 20.8                            | -0.46              | 20.34      | 0.108    | 1.000     | Pass    |
| 5 MHz             | LCH          | QPSK      | RB1#0                 | 22.8                            | -0.46              | 22.34      | 0.171    | 1.000     | Pass    |
|                   |              |           | RB1#13                | 22.95                           | -0.46              | 22.49      | 0.177    | 1.000     | Pass    |
|                   |              |           | RB1#24                | 22.75                           | -0.46              | 22.29      | 0.169    | 1.000     | Pass    |
|                   |              |           | RB12#0                | 21.83                           | -0.46              | 21.37      | 0.137    | 1.000     | Pass    |
|                   |              |           | RB12#6                | 21.94                           | -0.46              | 21.48      | 0.141    | 1.000     | Pass    |
|                   |              |           | RB12#13               | 21.86                           | -0.46              | 21.40      | 0.138    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 21.83                           | -0.46              | 21.37      | 0.137    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.98                           | -0.46              | 21.52      | 0.142    | 1.000     | Pass    |
|                   |              |           | RB1#13                | 22.11                           | -0.46              | 21.65      | 0.146    | 1.000     | Pass    |
|                   |              |           | RB1#24                | 21.94                           | -0.46              | 21.48      | 0.141    | 1.000     | Pass    |
|                   |              |           | RB12#0                | 20.93                           | -0.46              | 20.47      | 0.111    | 1.000     | Pass    |
|                   |              |           | RB12#6                | 21                              | -0.46              | 20.54      | 0.113    | 1.000     | Pass    |
|                   |              |           | RB12#13               | 20.89                           | -0.46              | 20.43      | 0.110    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 20.88                           | -0.46              | 20.42      | 0.110    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.67                           | -0.46              | 22.21      | 0.166    | 1.000     | Pass    |
|                   |              |           | RB1#13                | 22.81                           | -0.46              | 22.35      | 0.172    | 1.000     | Pass    |
|                   |              |           | RB1#24                | 22.68                           | -0.46              | 22.22      | 0.167    | 1.000     | Pass    |
|                   |              |           | RB12#0                | 21.73                           | -0.46              | 21.27      | 0.134    | 1.000     | Pass    |
|                   |              |           | RB12#6                | 21.81                           | -0.46              | 21.35      | 0.136    | 1.000     | Pass    |
|                   |              |           | RB12#13               | 21.72                           | -0.46              | 21.26      | 0.134    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 21.74                           | -0.46              | 21.28      | 0.134    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.18                           | -0.46              | 21.72      | 0.149    | 1.000     | Pass    |
|                   |              |           | RB1#13                | 22.31                           | -0.46              | 21.85      | 0.153    | 1.000     | Pass    |
|                   |              |           | RB1#24                | 22.17                           | -0.46              | 21.71      | 0.148    | 1.000     | Pass    |
|                   |              |           | RB12#0                | 20.85                           | -0.46              | 20.39      | 0.109    | 1.000     | Pass    |
|                   |              |           | RB12#6                | 20.95                           | -0.46              | 20.49      | 0.112    | 1.000     | Pass    |
|                   |              |           | RB12#13               | 20.87                           | -0.46              | 20.41      | 0.110    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 20.81                           | -0.46              | 20.35      | 0.108    | 1.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.64                           | -0.46              | 22.18      | 0.165    | 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 BAND66</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB1#13                | 22.82                           | -0.46              | 22.36      | 0.172    | 1.000     | Pass    |
|                   |              |           | RB1#24                | 22.64                           | -0.46              | 22.18      | 0.165    | 1.000     | Pass    |
|                   |              |           | RB12#0                | 21.79                           | -0.46              | 21.33      | 0.136    | 1.000     | Pass    |
|                   |              |           | RB12#6                | 21.85                           | -0.46              | 21.39      | 0.138    | 1.000     | Pass    |
|                   |              |           | RB12#13               | 21.74                           | -0.46              | 21.28      | 0.134    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 21.75                           | -0.46              | 21.29      | 0.135    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.76                           | -0.46              | 21.30      | 0.135    | 1.000     | Pass    |
|                   |              |           | RB1#13                | 21.93                           | -0.46              | 21.47      | 0.140    | 1.000     | Pass    |
|                   |              |           | RB1#24                | 21.81                           | -0.46              | 21.35      | 0.136    | 1.000     | Pass    |
|                   |              |           | RB12#0                | 20.83                           | -0.46              | 20.37      | 0.109    | 1.000     | Pass    |
|                   |              |           | RB12#6                | 20.89                           | -0.46              | 20.43      | 0.110    | 1.000     | Pass    |
|                   |              |           | RB12#13               | 20.81                           | -0.46              | 20.35      | 0.108    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 20.75                           | -0.46              | 20.29      | 0.107    | 1.000     | Pass    |
| 10 MHz            | LCH          | QPSK      | RB1#0                 | 22.82                           | -0.46              | 22.36      | 0.172    | 1.000     | Pass    |
|                   |              |           | RB1#25                | 22.92                           | -0.46              | 22.46      | 0.176    | 1.000     | Pass    |
|                   |              |           | RB1#49                | 22.83                           | -0.46              | 22.37      | 0.173    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 21.82                           | -0.46              | 21.36      | 0.137    | 1.000     | Pass    |
|                   |              |           | RB25#13               | 21.92                           | -0.46              | 21.46      | 0.140    | 1.000     | Pass    |
|                   |              |           | RB25#25               | 21.88                           | -0.46              | 21.42      | 0.139    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 21.89                           | -0.46              | 21.43      | 0.139    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.8                            | -0.46              | 21.34      | 0.136    | 1.000     | Pass    |
|                   |              |           | RB1#25                | 21.99                           | -0.46              | 21.53      | 0.142    | 1.000     | Pass    |
|                   |              |           | RB1#49                | 21.82                           | -0.46              | 21.36      | 0.137    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 20.88                           | -0.46              | 20.42      | 0.110    | 1.000     | Pass    |
|                   |              |           | RB25#13               | 20.92                           | -0.46              | 20.46      | 0.111    | 1.000     | Pass    |
|                   |              |           | RB25#25               | 20.94                           | -0.46              | 20.48      | 0.112    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 20.88                           | -0.46              | 20.42      | 0.110    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.77                           | -0.46              | 22.31      | 0.170    | 1.000     | Pass    |
|                   |              |           | RB1#25                | 22.94                           | -0.46              | 22.48      | 0.177    | 1.000     | Pass    |
|                   |              |           | RB1#49                | 22.77                           | -0.46              | 22.31      | 0.170    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 21.75                           | -0.46              | 21.29      | 0.135    | 1.000     | Pass    |
|                   |              |           | RB25#13               | 21.83                           | -0.46              | 21.37      | 0.137    | 1.000     | Pass    |
|                   |              |           | RB25#25               | 21.83                           | -0.46              | 21.37      | 0.137    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 21.78                           | -0.46              | 21.32      | 0.136    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.14                           | -0.46              | 21.68      | 0.147    | 1.000     | Pass    |
|                   |              |           | RB1#25                | 22.3                            | -0.46              | 21.84      | 0.153    | 1.000     | Pass    |
|                   |              |           | RB1#49                | 22.18                           | -0.46              | 21.72      | 0.149    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 20.8                            | -0.46              | 20.34      | 0.108    | 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 BAND66</b> |              |           |                       |                                 |                    |            |          |           |         |
| 15 MHz            | HCH          |           | RB25#13               | 20.83                           | -0.46              | 20.37      | 0.109    | 1.000     | Pass    |
|                   |              |           | RB25#25               | 20.86                           | -0.46              | 20.40      | 0.110    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 20.81                           | -0.46              | 20.35      | 0.108    | 1.000     | Pass    |
|                   |              | QPSK      | RB1#0                 | 22.73                           | -0.46              | 22.27      | 0.169    | 1.000     | Pass    |
|                   |              |           | RB1#25                | 22.9                            | -0.46              | 22.44      | 0.175    | 1.000     | Pass    |
|                   |              |           | RB1#49                | 22.72                           | -0.46              | 22.26      | 0.168    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 21.76                           | -0.46              | 21.30      | 0.135    | 1.000     | Pass    |
|                   |              |           | RB25#13               | 21.81                           | -0.46              | 21.35      | 0.136    | 1.000     | Pass    |
|                   |              |           | RB25#25               | 21.74                           | -0.46              | 21.28      | 0.134    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 21.75                           | -0.46              | 21.29      | 0.135    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.71                           | -0.46              | 21.25      | 0.133    | 1.000     | Pass    |
|                   |              |           | RB1#25                | 21.96                           | -0.46              | 21.50      | 0.141    | 1.000     | Pass    |
|                   |              |           | RB1#49                | 21.87                           | -0.46              | 21.41      | 0.138    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 20.86                           | -0.46              | 20.40      | 0.110    | 1.000     | Pass    |
|                   |              |           | RB25#13               | 20.93                           | -0.46              | 20.47      | 0.111    | 1.000     | Pass    |
|                   |              |           | RB25#25               | 20.8                            | -0.46              | 20.34      | 0.108    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 20.77                           | -0.46              | 20.31      | 0.107    | 1.000     | Pass    |
| 15 MHz            | LCH          | QPSK      | RB1#0                 | 22.74                           | -0.46              | 22.28      | 0.169    | 1.000     | Pass    |
|                   |              |           | RB1#38                | 22.86                           | -0.46              | 22.40      | 0.174    | 1.000     | Pass    |
|                   |              |           | RB1#74                | 23.02                           | -0.46              | 22.56      | 0.180    | 1.000     | Pass    |
|                   |              |           | RB36#0                | 21.87                           | -0.46              | 21.41      | 0.138    | 1.000     | Pass    |
|                   |              |           | RB36#19               | 21.94                           | -0.46              | 21.48      | 0.141    | 1.000     | Pass    |
|                   |              |           | RB36#39               | 21.94                           | -0.46              | 21.48      | 0.141    | 1.000     | Pass    |
|                   |              |           | RB75#0                | 21.91                           | -0.46              | 21.45      | 0.140    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.76                           | -0.46              | 21.30      | 0.135    | 1.000     | Pass    |
|                   |              |           | RB1#38                | 21.85                           | -0.46              | 21.39      | 0.138    | 1.000     | Pass    |
|                   |              |           | RB1#74                | 21.72                           | -0.46              | 21.26      | 0.134    | 1.000     | Pass    |
|                   |              |           | RB36#0                | 20.85                           | -0.46              | 20.39      | 0.109    | 1.000     | Pass    |
|                   |              |           | RB36#19               | 20.88                           | -0.46              | 20.42      | 0.110    | 1.000     | Pass    |
|                   |              |           | RB36#39               | 20.92                           | -0.46              | 20.46      | 0.111    | 1.000     | Pass    |
|                   |              |           | RB75#0                | 20.9                            | -0.46              | 20.44      | 0.111    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.7                            | -0.46              | 22.24      | 0.167    | 1.000     | Pass    |
|                   |              |           | RB1#38                | 22.78                           | -0.46              | 22.32      | 0.171    | 1.000     | Pass    |
|                   |              |           | RB1#74                | 22.71                           | -0.46              | 22.25      | 0.168    | 1.000     | Pass    |
|                   |              |           | RB36#0                | 21.83                           | -0.46              | 21.37      | 0.137    | 1.000     | Pass    |
|                   |              |           | RB36#19               | 21.82                           | -0.46              | 21.36      | 0.137    | 1.000     | Pass    |
|                   |              |           | RB36#39               | 21.85                           | -0.46              | 21.39      | 0.138    | 1.000     | Pass    |
|                   |              |           | RB75#0                | 21.84                           | -0.46              | 21.38      | 0.137    | 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 BAND66</b> |              |           |                       |                                 |                    |            |          |           |         |
| 20 MHz            | HCH          | 16-QAM    | RB1#0                 | 22.09                           | -0.46              | 21.63      | 0.146    | 1.000     | Pass    |
|                   |              |           | RB1#38                | 22.17                           | -0.46              | 21.71      | 0.148    | 1.000     | Pass    |
|                   |              |           | RB1#74                | 22.11                           | -0.46              | 21.65      | 0.146    | 1.000     | Pass    |
|                   |              |           | RB36#0                | 20.86                           | -0.46              | 20.40      | 0.110    | 1.000     | Pass    |
|                   |              |           | RB36#19               | 20.88                           | -0.46              | 20.42      | 0.110    | 1.000     | Pass    |
|                   |              |           | RB36#39               | 20.86                           | -0.46              | 20.40      | 0.110    | 1.000     | Pass    |
|                   |              |           | RB75#0                | 20.84                           | -0.46              | 20.38      | 0.109    | 1.000     | Pass    |
|                   |              | QPSK      | RB1#0                 | 22.71                           | -0.46              | 22.25      | 0.168    | 1.000     | Pass    |
|                   |              |           | RB1#38                | 22.8                            | -0.46              | 22.34      | 0.171    | 1.000     | Pass    |
|                   |              |           | RB1#74                | 22.68                           | -0.46              | 22.22      | 0.167    | 1.000     | Pass    |
|                   |              |           | RB36#0                | 21.84                           | -0.46              | 21.38      | 0.137    | 1.000     | Pass    |
|                   |              |           | RB36#19               | 21.84                           | -0.46              | 21.38      | 0.137    | 1.000     | Pass    |
|                   |              |           | RB36#39               | 21.79                           | -0.46              | 21.33      | 0.136    | 1.000     | Pass    |
|                   |              |           | RB75#0                | 21.78                           | -0.46              | 21.32      | 0.136    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.15                           | -0.46              | 21.69      | 0.148    | 1.000     | Pass    |
|                   |              |           | RB1#38                | 22.2                            | -0.46              | 21.74      | 0.149    | 1.000     | Pass    |
|                   |              |           | RB1#74                | 22.14                           | -0.46              | 21.68      | 0.147    | 1.000     | Pass    |
|                   |              |           | RB36#0                | 20.75                           | -0.46              | 20.29      | 0.107    | 1.000     | Pass    |
|                   |              |           | RB36#19               | 20.75                           | -0.46              | 20.29      | 0.107    | 1.000     | Pass    |
|                   |              |           | RB36#39               | 20.74                           | -0.46              | 20.28      | 0.107    | 1.000     | Pass    |
|                   |              |           | RB75#0                | 20.78                           | -0.46              | 20.32      | 0.108    | 1.000     | Pass    |
|                   | LCH          | QPSK      | RB1#0                 | 22.62                           | -0.46              | 22.16      | 0.164    | 1.000     | Pass    |
|                   |              |           | RB1#50                | 23.02                           | -0.46              | 22.56      | 0.180    | 1.000     | Pass    |
|                   |              |           | RB1#99                | 22.54                           | -0.46              | 22.08      | 0.161    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 21.8                            | -0.46              | 21.34      | 0.136    | 1.000     | Pass    |
|                   |              |           | RB50#25               | 21.89                           | -0.46              | 21.43      | 0.139    | 1.000     | Pass    |
|                   |              |           | RB50#50               | 21.9                            | -0.46              | 21.44      | 0.139    | 1.000     | Pass    |
|                   |              |           | RB100#0               | 21.9                            | -0.46              | 21.44      | 0.139    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.14                           | -0.46              | 21.68      | 0.147    | 1.000     | Pass    |
|                   |              |           | RB1#50                | 22.51                           | -0.46              | 22.05      | 0.160    | 1.000     | Pass    |
|                   |              |           | RB1#99                | 22.05                           | -0.46              | 21.59      | 0.144    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 20.86                           | -0.46              | 20.40      | 0.110    | 1.000     | Pass    |
|                   |              |           | RB50#25               | 20.93                           | -0.46              | 20.47      | 0.111    | 1.000     | Pass    |
|                   |              |           | RB50#50               | 20.92                           | -0.46              | 20.46      | 0.111    | 1.000     | Pass    |
|                   |              |           | RB100#0               | 20.91                           | -0.46              | 20.45      | 0.111    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.58                           | -0.46              | 22.12      | 0.163    | 1.000     | Pass    |
|                   |              |           | RB1#50                | 22.97                           | -0.46              | 22.51      | 0.178    | 1.000     | Pass    |
|                   |              |           | RB1#99                | 22.6                            | -0.46              | 22.14      | 0.164    | 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 BAND66</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB50#0                | 21.79                           | -0.46              | 21.33      | 0.136    | 1.000     | Pass    |
|                   |              |           | RB50#25               | 21.84                           | -0.46              | 21.38      | 0.137    | 1.000     | Pass    |
|                   |              |           | RB50#50               | 21.77                           | -0.46              | 21.31      | 0.135    | 1.000     | Pass    |
|                   |              |           | RB100#0               | 21.82                           | -0.46              | 21.36      | 0.137    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.03                           | -0.46              | 21.57      | 0.144    | 1.000     | Pass    |
|                   |              |           | RB1#50                | 22.44                           | -0.46              | 21.98      | 0.158    | 1.000     | Pass    |
|                   |              |           | RB1#99                | 22.06                           | -0.46              | 21.60      | 0.145    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 20.84                           | -0.46              | 20.38      | 0.109    | 1.000     | Pass    |
|                   |              |           | RB50#25               | 20.84                           | -0.46              | 20.38      | 0.109    | 1.000     | Pass    |
|                   |              |           | RB50#50               | 20.82                           | -0.46              | 20.36      | 0.109    | 1.000     | Pass    |
|                   |              |           | RB100#0               | 20.84                           | -0.46              | 20.38      | 0.109    | 1.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.5                            | -0.46              | 22.04      | 0.160    | 1.000     | Pass    |
|                   |              |           | RB1#50                | 22.83                           | -0.46              | 22.37      | 0.173    | 1.000     | Pass    |
|                   |              |           | RB1#99                | 22.5                            | -0.46              | 22.04      | 0.160    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 21.74                           | -0.46              | 21.28      | 0.134    | 1.000     | Pass    |
|                   |              |           | RB50#25               | 21.78                           | -0.46              | 21.32      | 0.136    | 1.000     | Pass    |
|                   |              |           | RB50#50               | 21.68                           | -0.46              | 21.22      | 0.132    | 1.000     | Pass    |
|                   |              |           | RB100#0               | 21.74                           | -0.46              | 21.28      | 0.134    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.95                           | -0.46              | 21.49      | 0.141    | 1.000     | Pass    |
|                   |              |           | RB1#50                | 22.21                           | -0.46              | 21.75      | 0.150    | 1.000     | Pass    |
|                   |              |           | RB1#99                | 21.88                           | -0.46              | 21.42      | 0.139    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 20.76                           | -0.46              | 20.30      | 0.107    | 1.000     | Pass    |
|                   |              |           | RB50#25               | 20.74                           | -0.46              | 20.28      | 0.107    | 1.000     | Pass    |
|                   |              |           | RB50#50               | 20.66                           | -0.46              | 20.20      | 0.105    | 1.000     | Pass    |
|                   |              |           | RB100#0               | 20.73                           | -0.46              | 20.27      | 0.106    | 1.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND 71</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 5 MHz              | LCH          | QPSK      | RB1#0                 | 22.58                           | -1.85              | -4                 | 18.58     | 0.072   | 2.000     | Pass    |
|                    |              |           | RB1#3                 | 22.77                           | -1.85              | -4                 | 18.77     | 0.075   | 2.000     | Pass    |
|                    |              |           | RB1#5                 | 22.64                           | -1.85              | -4                 | 18.64     | 0.073   | 2.000     | Pass    |
|                    |              |           | RB3#0                 | 21.71                           | -1.85              | -4                 | 17.71     | 0.059   | 2.000     | Pass    |
|                    |              |           | RB3#2                 | 21.78                           | -1.85              | -4                 | 17.78     | 0.060   | 2.000     | Pass    |
|                    |              |           | RB3#3                 | 21.66                           | -1.85              | -4                 | 17.66     | 0.058   | 2.000     | Pass    |
|                    |              |           | RB6#0                 | 21.7                            | -1.85              | -4                 | 17.70     | 0.059   | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.11                           | -1.85              | -4                 | 18.11     | 0.065   | 2.000     | Pass    |
|                    |              |           | RB1#3                 | 22.27                           | -1.85              | -4                 | 18.27     | 0.067   | 2.000     | Pass    |
|                    |              |           | RB1#5                 | 22.13                           | -1.85              | -4                 | 18.13     | 0.065   | 2.000     | Pass    |
|                    |              |           | RB3#0                 | 20.86                           | -1.85              | -4                 | 16.86     | 0.049   | 2.000     | Pass    |
|                    |              |           | RB3#2                 | 20.95                           | -1.85              | -4                 | 16.95     | 0.050   | 2.000     | Pass    |
|                    |              |           | RB3#3                 | 20.83                           | -1.85              | -4                 | 16.83     | 0.048   | 2.000     | Pass    |
|                    |              |           | RB6#0                 | 20.8                            | -1.85              | -4                 | 16.80     | 0.048   | 2.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                 | 22.49                           | -1.85              | -4                 | 18.49     | 0.071   | 2.000     | Pass    |
|                    |              |           | RB1#3                 | 22.61                           | -1.85              | -4                 | 18.61     | 0.073   | 2.000     | Pass    |
|                    |              |           | RB1#5                 | 22.49                           | -1.85              | -4                 | 18.49     | 0.071   | 2.000     | Pass    |
|                    |              |           | RB3#0                 | 21.58                           | -1.85              | -4                 | 17.58     | 0.057   | 2.000     | Pass    |
|                    |              |           | RB3#2                 | 21.66                           | -1.85              | -4                 | 17.66     | 0.058   | 2.000     | Pass    |
|                    |              |           | RB3#3                 | 21.61                           | -1.85              | -4                 | 17.61     | 0.058   | 2.000     | Pass    |
|                    |              |           | RB6#0                 | 21.56                           | -1.85              | -4                 | 17.56     | 0.057   | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 21.61                           | -1.85              | -4                 | 17.61     | 0.058   | 2.000     | Pass    |
|                    |              |           | RB1#3                 | 21.66                           | -1.85              | -4                 | 17.66     | 0.058   | 2.000     | Pass    |
|                    |              |           | RB1#5                 | 21.58                           | -1.85              | -4                 | 17.58     | 0.057   | 2.000     | Pass    |
|                    |              |           | RB3#0                 | 20.64                           | -1.85              | -4                 | 16.64     | 0.046   | 2.000     | Pass    |
|                    |              |           | RB3#2                 | 20.74                           | -1.85              | -4                 | 16.74     | 0.047   | 2.000     | Pass    |
|                    |              |           | RB3#3                 | 20.59                           | -1.85              | -4                 | 16.59     | 0.046   | 2.000     | Pass    |
|                    |              |           | RB6#0                 | 20.55                           | -1.85              | -4                 | 16.55     | 0.045   | 2.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                 | 22.6                            | -1.85              | -4                 | 18.60     | 0.072   | 2.000     | Pass    |
|                    |              |           | RB1#3                 | 22.73                           | -1.85              | -4                 | 18.73     | 0.075   | 2.000     | Pass    |
|                    |              |           | RB1#5                 | 22.52                           | -1.85              | -4                 | 18.52     | 0.071   | 2.000     | Pass    |
|                    |              |           | RB3#0                 | 21.71                           | -1.85              | -4                 | 17.71     | 0.059   | 2.000     | Pass    |
|                    |              |           | RB3#2                 | 21.77                           | -1.85              | -4                 | 17.77     | 0.060   | 2.000     | Pass    |
|                    |              |           | RB3#3                 | 21.62                           | -1.85              | -4                 | 17.62     | 0.058   | 2.000     | Pass    |
|                    |              |           | RB6#0                 | 21.69                           | -1.85              | -4                 | 17.69     | 0.059   | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 21.69                           | -1.85              | -4                 | 17.69     | 0.059   | 2.000     | Pass    |
|                    |              |           | RB1#3                 | 21.83                           | -1.85              | -4                 | 17.83     | 0.061   | 2.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND 71</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 10 MHz             |              |           | RB1#5                 | 21.71                           | -1.85              | -4                 | 17.71     | 0.059   | 2.000     | Pass    |
|                    |              |           | RB3#0                 | 20.81                           | -1.85              | -4                 | 16.81     | 0.048   | 2.000     | Pass    |
|                    |              |           | RB3#2                 | 20.85                           | -1.85              | -4                 | 16.85     | 0.048   | 2.000     | Pass    |
|                    |              |           | RB3#3                 | 20.73                           | -1.85              | -4                 | 16.73     | 0.047   | 2.000     | Pass    |
|                    |              |           | RB6#0                 | 20.75                           | -1.85              | -4                 | 16.75     | 0.047   | 2.000     | Pass    |
|                    | LCH          | QPSK      | RB1#0                 | 22.62                           | -1.85              | -4                 | 18.62     | 0.073   | 2.000     | Pass    |
|                    |              |           | RB1#7                 | 22.82                           | -1.85              | -4                 | 18.82     | 0.076   | 2.000     | Pass    |
|                    |              |           | RB1#14                | 22.58                           | -1.85              | -4                 | 18.58     | 0.072   | 2.000     | Pass    |
|                    |              |           | RB8#0                 | 21.82                           | -1.85              | -4                 | 17.82     | 0.061   | 2.000     | Pass    |
|                    |              |           | RB8#4                 | 21.74                           | -1.85              | -4                 | 17.74     | 0.059   | 2.000     | Pass    |
|                    |              |           | RB8#7                 | 21.78                           | -1.85              | -4                 | 17.78     | 0.060   | 2.000     | Pass    |
|                    |              |           | RB15#0                | 21.77                           | -1.85              | -4                 | 17.77     | 0.060   | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 21.55                           | -1.85              | -4                 | 17.55     | 0.057   | 2.000     | Pass    |
|                    |              |           | RB1#7                 | 21.79                           | -1.85              | -4                 | 17.79     | 0.060   | 2.000     | Pass    |
|                    |              |           | RB1#14                | 21.51                           | -1.85              | -4                 | 17.51     | 0.056   | 2.000     | Pass    |
|                    |              |           | RB8#0                 | 20.87                           | -1.85              | -4                 | 16.87     | 0.049   | 2.000     | Pass    |
|                    |              |           | RB8#4                 | 20.78                           | -1.85              | -4                 | 16.78     | 0.048   | 2.000     | Pass    |
|                    |              |           | RB8#7                 | 20.82                           | -1.85              | -4                 | 16.82     | 0.048   | 2.000     | Pass    |
|                    |              |           | RB15#0                | 20.82                           | -1.85              | -4                 | 16.82     | 0.048   | 2.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                 | 22.6                            | -1.85              | -4                 | 18.60     | 0.072   | 2.000     | Pass    |
|                    |              |           | RB1#7                 | 22.76                           | -1.85              | -4                 | 18.76     | 0.075   | 2.000     | Pass    |
|                    |              |           | RB1#14                | 22.49                           | -1.85              | -4                 | 18.49     | 0.071   | 2.000     | Pass    |
|                    |              |           | RB8#0                 | 21.61                           | -1.85              | -4                 | 17.61     | 0.058   | 2.000     | Pass    |
|                    |              |           | RB8#4                 | 21.6                            | -1.85              | -4                 | 17.60     | 0.058   | 2.000     | Pass    |
|                    |              |           | RB8#7                 | 21.61                           | -1.85              | -4                 | 17.61     | 0.058   | 2.000     | Pass    |
|                    |              |           | RB15#0                | 21.65                           | -1.85              | -4                 | 17.65     | 0.058   | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 21.93                           | -1.85              | -4                 | 17.93     | 0.062   | 2.000     | Pass    |
|                    |              |           | RB1#7                 | 22.04                           | -1.85              | -4                 | 18.04     | 0.064   | 2.000     | Pass    |
|                    |              |           | RB1#14                | 21.8                            | -1.85              | -4                 | 17.80     | 0.060   | 2.000     | Pass    |
|                    |              |           | RB8#0                 | 20.7                            | -1.85              | -4                 | 16.70     | 0.047   | 2.000     | Pass    |
|                    |              |           | RB8#4                 | 20.69                           | -1.85              | -4                 | 16.69     | 0.047   | 2.000     | Pass    |
|                    |              |           | RB8#7                 | 20.68                           | -1.85              | -4                 | 16.68     | 0.047   | 2.000     | Pass    |
|                    |              |           | RB15#0                | 20.71                           | -1.85              | -4                 | 16.71     | 0.047   | 2.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                 | 22.55                           | -1.85              | -4                 | 18.55     | 0.072   | 2.000     | Pass    |
|                    |              |           | RB1#7                 | 22.78                           | -1.85              | -4                 | 18.78     | 0.076   | 2.000     | Pass    |
|                    |              |           | RB1#14                | 22.62                           | -1.85              | -4                 | 18.62     | 0.073   | 2.000     | Pass    |
|                    |              |           | RB8#0                 | 21.71                           | -1.85              | -4                 | 17.71     | 0.059   | 2.000     | Pass    |
|                    |              |           | RB8#4                 | 21.74                           | -1.85              | -4                 | 17.74     | 0.059   | 2.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND 71</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 15 MHz             |              |           | RB8#7                 | 21.64                           | -1.85              | -4                 | 17.64     | 0.058   | 2.000     | Pass    |
|                    |              |           | RB15#0                | 21.66                           | -1.85              | -4                 | 17.66     | 0.058   | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 21.53                           | -1.85              | -4                 | 17.53     | 0.057   | 2.000     | Pass    |
|                    |              |           | RB1#7                 | 21.77                           | -1.85              | -4                 | 17.77     | 0.060   | 2.000     | Pass    |
|                    |              |           | RB1#14                | 21.56                           | -1.85              | -4                 | 17.56     | 0.057   | 2.000     | Pass    |
|                    |              |           | RB8#0                 | 20.86                           | -1.85              | -4                 | 16.86     | 0.049   | 2.000     | Pass    |
|                    |              |           | RB8#4                 | 20.86                           | -1.85              | -4                 | 16.86     | 0.049   | 2.000     | Pass    |
|                    |              |           | RB8#7                 | 20.76                           | -1.85              | -4                 | 16.76     | 0.047   | 2.000     | Pass    |
|                    |              |           | RB15#0                | 20.74                           | -1.85              | -4                 | 16.74     | 0.047   | 2.000     | Pass    |
|                    |              | QPSK      | RB1#0                 | 22.58                           | -1.85              | -4                 | 18.58     | 0.072   | 2.000     | Pass    |
|                    |              |           | RB1#13                | 22.71                           | -1.85              | -4                 | 18.71     | 0.074   | 2.000     | Pass    |
|                    |              |           | RB1#24                | 22.41                           | -1.85              | -4                 | 18.41     | 0.069   | 2.000     | Pass    |
|                    |              |           | RB12#0                | 21.79                           | -1.85              | -4                 | 17.79     | 0.060   | 2.000     | Pass    |
|                    |              |           | RB12#6                | 21.79                           | -1.85              | -4                 | 17.79     | 0.060   | 2.000     | Pass    |
|                    |              |           | RB12#13               | 21.74                           | -1.85              | -4                 | 17.74     | 0.059   | 2.000     | Pass    |
|                    |              |           | RB25#0                | 21.72                           | -1.85              | -4                 | 17.72     | 0.059   | 2.000     | Pass    |
|                    | LCH          | 16-QAM    | RB1#0                 | 21.51                           | -1.85              | -4                 | 17.51     | 0.056   | 2.000     | Pass    |
|                    |              |           | RB1#13                | 21.65                           | -1.85              | -4                 | 17.65     | 0.058   | 2.000     | Pass    |
|                    |              |           | RB1#24                | 21.34                           | -1.85              | -4                 | 17.34     | 0.054   | 2.000     | Pass    |
|                    |              |           | RB12#0                | 20.8                            | -1.85              | -4                 | 16.80     | 0.048   | 2.000     | Pass    |
|                    |              |           | RB12#6                | 20.79                           | -1.85              | -4                 | 16.79     | 0.048   | 2.000     | Pass    |
|                    |              |           | RB12#13               | 20.7                            | -1.85              | -4                 | 16.70     | 0.047   | 2.000     | Pass    |
|                    |              |           | RB25#0                | 20.73                           | -1.85              | -4                 | 16.73     | 0.047   | 2.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                 | 22.55                           | -1.85              | -4                 | 18.55     | 0.072   | 2.000     | Pass    |
|                    |              |           | RB1#13                | 22.6                            | -1.85              | -4                 | 18.60     | 0.072   | 2.000     | Pass    |
|                    |              |           | RB1#24                | 22.42                           | -1.85              | -4                 | 18.42     | 0.070   | 2.000     | Pass    |
|                    |              |           | RB12#0                | 21.69                           | -1.85              | -4                 | 17.69     | 0.059   | 2.000     | Pass    |
|                    |              |           | RB12#6                | 21.72                           | -1.85              | -4                 | 17.72     | 0.059   | 2.000     | Pass    |
|                    |              |           | RB12#13               | 21.66                           | -1.85              | -4                 | 17.66     | 0.058   | 2.000     | Pass    |
|                    |              |           | RB25#0                | 21.68                           | -1.85              | -4                 | 17.68     | 0.059   | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 21.92                           | -1.85              | -4                 | 17.92     | 0.062   | 2.000     | Pass    |
|                    |              |           | RB1#13                | 21.94                           | -1.85              | -4                 | 17.94     | 0.062   | 2.000     | Pass    |
|                    |              |           | RB1#24                | 21.76                           | -1.85              | -4                 | 17.76     | 0.060   | 2.000     | Pass    |
|                    |              |           | RB12#0                | 20.67                           | -1.85              | -4                 | 16.67     | 0.046   | 2.000     | Pass    |
|                    |              |           | RB12#6                | 20.71                           | -1.85              | -4                 | 16.71     | 0.047   | 2.000     | Pass    |
|                    |              |           | RB12#13               | 20.72                           | -1.85              | -4                 | 16.72     | 0.047   | 2.000     | Pass    |
|                    |              |           | RB25#0                | 20.73                           | -1.85              | -4                 | 16.73     | 0.047   | 2.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                 | 22.48                           | -1.85              | -4                 | 18.48     | 0.070   | 2.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND 71</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                    |              |           | RB1#13                | 22.66                           | -1.85              | -4                 | 18.66     | 0.073   | 2.000     | Pass    |
|                    |              |           | RB1#24                | 22.51                           | -1.85              | -4                 | 18.51     | 0.071   | 2.000     | Pass    |
|                    |              |           | RB12#0                | 21.7                            | -1.85              | -4                 | 17.70     | 0.059   | 2.000     | Pass    |
|                    |              |           | RB12#6                | 21.76                           | -1.85              | -4                 | 17.76     | 0.060   | 2.000     | Pass    |
|                    |              |           | RB12#13               | 21.68                           | -1.85              | -4                 | 17.68     | 0.059   | 2.000     | Pass    |
|                    |              |           | RB25#0                | 21.69                           | -1.85              | -4                 | 17.69     | 0.059   | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 21.76                           | -1.85              | -4                 | 17.76     | 0.060   | 2.000     | Pass    |
|                    |              |           | RB1#13                | 22.05                           | -1.85              | -4                 | 18.05     | 0.064   | 2.000     | Pass    |
|                    |              |           | RB1#24                | 21.85                           | -1.85              | -4                 | 17.85     | 0.061   | 2.000     | Pass    |
|                    |              |           | RB12#0                | 20.64                           | -1.85              | -4                 | 16.64     | 0.046   | 2.000     | Pass    |
|                    |              |           | RB12#6                | 20.75                           | -1.85              | -4                 | 16.75     | 0.047   | 2.000     | Pass    |
|                    |              |           | RB12#13               | 20.66                           | -1.85              | -4                 | 16.66     | 0.046   | 2.000     | Pass    |
|                    |              |           | RB25#0                | 20.7                            | -1.85              | -4                 | 16.70     | 0.047   | 2.000     | Pass    |
| 20 MHz             | LCH          | QPSK      | RB1#0                 | 22.47                           | -1.85              | -4                 | 18.47     | 0.070   | 2.000     | Pass    |
|                    |              |           | RB1#25                | 22.86                           | -1.85              | -4                 | 18.86     | 0.077   | 2.000     | Pass    |
|                    |              |           | RB1#49                | 22.24                           | -1.85              | -4                 | 18.24     | 0.067   | 2.000     | Pass    |
|                    |              |           | RB25#0                | 21.69                           | -1.85              | -4                 | 17.69     | 0.059   | 2.000     | Pass    |
|                    |              |           | RB25#13               | 21.67                           | -1.85              | -4                 | 17.67     | 0.058   | 2.000     | Pass    |
|                    |              |           | RB25#25               | 21.54                           | -1.85              | -4                 | 17.54     | 0.057   | 2.000     | Pass    |
|                    |              |           | RB50#0                | 21.62                           | -1.85              | -4                 | 17.62     | 0.058   | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 21.92                           | -1.85              | -4                 | 17.92     | 0.062   | 2.000     | Pass    |
|                    |              |           | RB1#25                | 22.36                           | -1.85              | -4                 | 18.36     | 0.069   | 2.000     | Pass    |
|                    |              |           | RB1#49                | 21.72                           | -1.85              | -4                 | 17.72     | 0.059   | 2.000     | Pass    |
|                    |              |           | RB25#0                | 20.77                           | -1.85              | -4                 | 16.77     | 0.048   | 2.000     | Pass    |
|                    |              |           | RB25#13               | 20.71                           | -1.85              | -4                 | 16.71     | 0.047   | 2.000     | Pass    |
|                    |              |           | RB25#25               | 20.62                           | -1.85              | -4                 | 16.62     | 0.046   | 2.000     | Pass    |
|                    |              |           | RB50#0                | 20.68                           | -1.85              | -4                 | 16.68     | 0.047   | 2.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                 | 22.4                            | -1.85              | -4                 | 18.40     | 0.069   | 2.000     | Pass    |
|                    |              |           | RB1#25                | 22.76                           | -1.85              | -4                 | 18.76     | 0.075   | 2.000     | Pass    |
|                    |              |           | RB1#49                | 22.39                           | -1.85              | -4                 | 18.39     | 0.069   | 2.000     | Pass    |
|                    |              |           | RB25#0                | 21.67                           | -1.85              | -4                 | 17.67     | 0.058   | 2.000     | Pass    |
|                    |              |           | RB25#13               | 21.59                           | -1.85              | -4                 | 17.59     | 0.057   | 2.000     | Pass    |
|                    |              |           | RB25#25               | 21.59                           | -1.85              | -4                 | 17.59     | 0.057   | 2.000     | Pass    |
|                    |              |           | RB50#0                | 21.6                            | -1.85              | -4                 | 17.60     | 0.058   | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 21.82                           | -1.85              | -4                 | 17.82     | 0.061   | 2.000     | Pass    |
|                    |              |           | RB1#25                | 22.05                           | -1.85              | -4                 | 18.05     | 0.064   | 2.000     | Pass    |
|                    |              |           | RB1#49                | 21.78                           | -1.85              | -4                 | 17.78     | 0.060   | 2.000     | Pass    |
|                    |              |           | RB25#0                | 20.68                           | -1.85              | -4                 | 16.68     | 0.047   | 2.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND 71</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                    |              |           | RB25#13               | 20.63                           | -1.85              | -4                 | 16.63     | 0.046   | 2.000     | Pass    |
|                    |              |           | RB25#25               | 20.64                           | -1.85              | -4                 | 16.64     | 0.046   | 2.000     | Pass    |
|                    |              |           | RB50#0                | 20.67                           | -1.85              | -4                 | 16.67     | 0.046   | 2.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                 | 22.26                           | -1.85              | -4                 | 18.26     | 0.067   | 2.000     | Pass    |
|                    |              |           | RB1#25                | 22.7                            | -1.85              | -4                 | 18.70     | 0.074   | 2.000     | Pass    |
|                    |              |           | RB1#49                | 22.29                           | -1.85              | -4                 | 18.29     | 0.067   | 2.000     | Pass    |
|                    |              |           | RB25#0                | 21.58                           | -1.85              | -4                 | 17.58     | 0.057   | 2.000     | Pass    |
|                    |              |           | RB25#13               | 21.65                           | -1.85              | -4                 | 17.65     | 0.058   | 2.000     | Pass    |
|                    |              |           | RB25#25               | 21.55                           | -1.85              | -4                 | 17.55     | 0.057   | 2.000     | Pass    |
|                    |              |           | RB50#0                | 21.57                           | -1.85              | -4                 | 17.57     | 0.057   | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 21.66                           | -1.85              | -4                 | 17.66     | 0.058   | 2.000     | Pass    |
|                    |              |           | RB1#25                | 21.95                           | -1.85              | -4                 | 17.95     | 0.062   | 2.000     | Pass    |
|                    |              |           | RB1#49                | 21.72                           | -1.85              | -4                 | 17.72     | 0.059   | 2.000     | Pass    |
|                    |              |           | RB25#0                | 20.62                           | -1.85              | -4                 | 16.62     | 0.046   | 2.000     | Pass    |
|                    |              |           | RB25#13               | 20.71                           | -1.85              | -4                 | 16.71     | 0.047   | 2.000     | Pass    |
|                    |              |           | RB25#25               | 20.59                           | -1.85              | -4                 | 16.59     | 0.046   | 2.000     | Pass    |
|                    |              |           | RB50#0                | 20.62                           | -1.85              | -4                 | 16.62     | 0.046   | 2.000     | Pass    |

## A.2 Peak to Average Ratio

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

Note 2: Test plots please refer to the document “Annex No.:BL-SZ24C0923-501 Data Part 1.pdf”.

### WCDMA Mode Test Data

| Test Band | Test Channel | Peak to Average Ratio (dB) | Limit (dB) | Verdict<br>Note2 |
|-----------|--------------|----------------------------|------------|------------------|
| Band 2    | LCH          | 2.77                       | 13         | Pass             |
|           | MCH          | 3                          | 13         | Pass             |
|           | HCH          | 2.95                       | 13         | Pass             |
| Band 4    | LCH          | 3                          | 13         | Pass             |
|           | MCH          | 2.86                       | 13         | Pass             |
|           | HCH          | 3                          | 13         | Pass             |
| Band 5    | LCH          | 2.91                       | 13         | Pass             |
|           | MCH          | 2.86                       | 13         | Pass             |
|           | HCH          | 2.91                       | 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 |
|------------|----------------|--------------|-----------|-----------------------|----------------------------|------------|---------|
| LTE Band 2 | 20 MHz         | LCH          | QPSK      | RB1#0                 | 4.41                       | 13         | Pass    |
|            |                |              |           | RB100#0               | 5.34                       | 13         | Pass    |
|            |                |              | 16-QAM    | RB1#0                 | 5.06                       | 13         | Pass    |
|            |                |              |           | RB100#0               | 6.09                       | 13         | Pass    |
|            |                | MCH          | QPSK      | RB1#0                 | 5.06                       | 13         | Pass    |
|            |                |              |           | RB100#0               | 5.58                       | 13         | Pass    |
|            |                |              | 16-QAM    | RB1#0                 | 5.86                       | 13         | Pass    |
|            |                |              |           | RB100#0               | 6.28                       | 13         | Pass    |
|            |                | HCH          | QPSK      | RB1#0                 | 4.78                       | 13         | Pass    |
|            |                |              |           | RB100#0               | 5.48                       | 13         | Pass    |
|            |                |              | 16-QAM    | RB1#0                 | 5.81                       | 13         | Pass    |
|            |                |              |           | RB100#0               | 6.23                       | 13         | Pass    |
| LTE Band 4 | 20 MHz         | LCH          | QPSK      | RB1#0                 | 5.11                       | 13         | Pass    |
|            |                |              |           | RB100#0               | 5.53                       | 13         | Pass    |
|            |                |              | 16-QAM    | RB1#0                 | 5.67                       | 13         | Pass    |
|            |                |              |           | RB100#0               | 6.28                       | 13         | Pass    |
|            |                | MCH          | QPSK      | RB1#0                 | 5.11                       | 13         | Pass    |
|            |                |              |           | RB100#0               | 5.58                       | 13         | Pass    |
|            |                |              | 16-QAM    | RB1#0                 | 5.86                       | 13         | Pass    |

| Test Band   | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Peak to Average Ratio (dB) | Limit (dB) | Verdict |
|-------------|----------------|--------------|-----------|-----------------------|----------------------------|------------|---------|
|             |                | HCH          | QPSK      | RB100#0               | 6.23                       | 13         | Pass    |
|             |                |              |           | RB1#0                 | 5.16                       | 13         | Pass    |
|             |                |              | 16-QAM    | RB100#0               | 5.62                       | 13         | Pass    |
|             |                |              |           | RB1#0                 | 6.09                       | 13         | Pass    |
|             |                |              |           | RB100#0               | 6.33                       | 13         | Pass    |
| LTE Band 5  | 10 MHz         | LCH          | QPSK      | RB1#0                 | 5.06                       | 13         | Pass    |
|             |                |              |           | RB50#0                | 5.62                       | 13         | Pass    |
|             |                |              | 16-QAM    | RB1#0                 | 5.95                       | 13         | Pass    |
|             |                |              |           | RB50#0                | 6.28                       | 13         | Pass    |
|             |                | MCH          | QPSK      | RB1#0                 | 4.92                       | 13         | Pass    |
|             |                |              |           | RB50#0                | 5.53                       | 13         | Pass    |
|             |                |              | 16-QAM    | RB1#0                 | 5.86                       | 13         | Pass    |
|             |                |              |           | RB50#0                | 6.23                       | 13         | Pass    |
|             |                | HCH          | QPSK      | RB1#0                 | 4.78                       | 13         | Pass    |
|             |                |              |           | RB50#0                | 5.53                       | 13         | Pass    |
|             |                |              | 16-QAM    | RB1#0                 | 5.44                       | 13         | Pass    |
|             |                |              |           | RB50#0                | 6.33                       | 13         | Pass    |
| LTE Band 7  | 20 MHz         | LCH          | QPSK      | RB1#0                 | 5.02                       | 13         | Pass    |
|             |                |              |           | RB100#0               | 5.58                       | 13         | Pass    |
|             |                |              | 16-QAM    | RB1#0                 | 5.58                       | 13         | Pass    |
|             |                |              |           | RB100#0               | 6.33                       | 13         | Pass    |
|             |                | MCH          | QPSK      | RB1#0                 | 5.34                       | 13         | Pass    |
|             |                |              |           | RB100#0               | 5.62                       | 13         | Pass    |
|             |                |              | 16-QAM    | RB1#0                 | 6.05                       | 13         | Pass    |
|             |                |              |           | RB100#0               | 6.42                       | 13         | Pass    |
|             |                | HCH          | QPSK      | RB1#0                 | 5.3                        | 13         | Pass    |
|             |                |              |           | RB100#0               | 5.62                       | 13         | Pass    |
|             |                |              | 16-QAM    | RB1#0                 | 6.23                       | 13         | Pass    |
|             |                |              |           | RB100#0               | 6.33                       | 13         | Pass    |
| LTE Band 12 | 10 MHz         | LCH          | QPSK      | RB1#0                 | 4.83                       | 13         | Pass    |
|             |                |              |           | RB50#0                | 5.62                       | 13         | Pass    |
|             |                |              | 16-QAM    | RB1#0                 | 5.67                       | 13         | Pass    |
|             |                |              |           | RB50#0                | 6.37                       | 13         | Pass    |
|             |                | MCH          | QPSK      | RB1#0                 | 5.25                       | 13         | Pass    |
|             |                |              |           | RB50#0                | 5.67                       | 13         | Pass    |
|             |                |              | 16-QAM    | RB1#0                 | 6.23                       | 13         | Pass    |
|             |                |              |           | RB50#0                | 6.42                       | 13         | Pass    |
|             |                | HCH          | QPSK      | RB1#0                 | 5.11                       | 13         | Pass    |
|             |                |              |           | RB50#0                | 5.58                       | 13         | Pass    |

| Test Band            | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Peak to Average Ratio (dB) | Limit (dB) | Verdict |
|----------------------|----------------|--------------|-----------|-----------------------|----------------------------|------------|---------|
| LTE Band13           | 10 MHz         | MCH          | 16-QAM    | RB1#0                 | 5.77                       | 13         | Pass    |
|                      |                |              |           | RB50#0                | 6.33                       | 13         | Pass    |
|                      |                |              | QPSK      | RB1#0                 | 3.94                       | 13         | Pass    |
|                      |                |              |           | RB50#0                | 5.34                       | 13         | Pass    |
| LTE Band 17          | 10 MHz         | LCH          | QPSK      | RB1#0                 | 5.25                       | 13         | Pass    |
|                      |                |              |           | RB50#0                | 5.67                       | 13         | Pass    |
|                      |                |              | 16-QAM    | RB1#0                 | 6.14                       | 13         | Pass    |
|                      |                |              |           | RB50#0                | 6.37                       | 13         | Pass    |
|                      |                | MCH          | QPSK      | RB1#0                 | 5.25                       | 13         | Pass    |
|                      |                |              |           | RB50#0                | 5.62                       | 13         | Pass    |
|                      |                |              | 16-QAM    | RB1#0                 | 6.19                       | 13         | Pass    |
|                      |                |              |           | RB50#0                | 6.37                       | 13         | Pass    |
|                      |                | HCH          | QPSK      | RB1#0                 | 5.06                       | 13         | Pass    |
|                      |                |              |           | RB50#0                | 5.58                       | 13         | Pass    |
|                      |                |              | 16-QAM    | RB1#0                 | 5.72                       | 13         | Pass    |
|                      |                |              |           | RB50#0                | 6.37                       | 13         | Pass    |
| LTE Band 25          | 20 MHz         | LCH          | QPSK      | RB1#0                 | 4.41                       | 13         | Pass    |
|                      |                |              |           | RB100#0               | 5.3                        | 13         | Pass    |
|                      |                |              | 16-QAM    | RB1#0                 | 5.02                       | 13         | Pass    |
|                      |                |              |           | RB100#0               | 6.05                       | 13         | Pass    |
|                      |                | MCH          | QPSK      | RB1#0                 | 5.02                       | 13         | Pass    |
|                      |                |              |           | RB100#0               | 5.53                       | 13         | Pass    |
|                      |                |              | 16-QAM    | RB1#0                 | 5.77                       | 13         | Pass    |
|                      |                |              |           | RB100#0               | 6.23                       | 13         | Pass    |
|                      |                | HCH          | QPSK      | RB1#0                 | 4.69                       | 13         | Pass    |
|                      |                |              |           | RB100#0               | 5.48                       | 13         | Pass    |
|                      |                |              | 16-QAM    | RB1#0                 | 5.62                       | 13         | Pass    |
|                      |                |              |           | RB100#0               | 6.19                       | 13         | Pass    |
| LTE Band 26 (Part22) | 15 MHz         | LCH          | QPSK      | RB1#0                 | 4.97                       | 13         | Pass    |
|                      |                |              |           | RB75#0                | 5.81                       | 13         | Pass    |
|                      |                |              | 16-QAM    | RB1#0                 | 5.81                       | 13         | Pass    |
|                      |                |              |           | RB75#0                | 6.37                       | 13         | Pass    |
|                      |                | MCH          | QPSK      | RB1#0                 | 4.97                       | 13         | Pass    |
|                      |                |              |           | RB75#0                | 5.77                       | 13         | Pass    |
|                      |                |              | 16-QAM    | RB1#0                 | 5.86                       | 13         | Pass    |
|                      |                |              |           | RB75#0                | 6.33                       | 13         | Pass    |
|                      |                | HCH          | QPSK      | RB1#0                 | 4.69                       | 13         | Pass    |
|                      |                |              |           | RB1#0                 | 4.69                       | 13         | Pass    |

| Test Band            | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Peak to Average Ratio (dB) | Limit (dB) | Verdict |
|----------------------|----------------|--------------|-----------|-----------------------|----------------------------|------------|---------|
|                      |                |              | 16-QAM    | RB75#0                | 5.72                       | 13         | Pass    |
|                      |                |              |           | RB1#0                 | 5.44                       | 13         | Pass    |
|                      |                |              |           | RB75#0                | 6.28                       | 13         | Pass    |
| LTE Band 26 (Part90) | 10 MHz         | MCH          | QPSK      | RB1#0                 | 4.55                       | 13         | Pass    |
|                      |                |              |           | RB50#0                | 5.48                       | 13         | Pass    |
|                      |                |              | 16-QAM    | RB1#0                 | 5.39                       | 13         | Pass    |
|                      |                |              |           | RB50#0                | 6.19                       | 13         | Pass    |
| LTE Band 38          | 20 MHz         | LCH          | QPSK      | RB1#0                 | 8.3                        | 13         | Pass    |
|                      |                |              |           | RB100#0               | 9.14                       | 13         | Pass    |
|                      |                |              | 16-QAM    | RB1#0                 | 9.05                       | 13         | Pass    |
|                      |                |              |           | RB100#0               | 9.84                       | 13         | Pass    |
|                      |                | MCH          | QPSK      | RB1#0                 | 8.81                       | 13         | Pass    |
|                      |                |              |           | RB100#0               | 9.23                       | 13         | Pass    |
|                      |                |              | 16-QAM    | RB1#0                 | 9.56                       | 13         | Pass    |
|                      |                |              |           | RB100#0               | 9.89                       | 13         | Pass    |
|                      |                | HCH          | QPSK      | RB1#0                 | 9.09                       | 13         | Pass    |
|                      |                |              |           | RB100#0               | 9.28                       | 13         | Pass    |
|                      |                |              | 16-QAM    | RB1#0                 | 9.75                       | 13         | Pass    |
|                      |                |              |           | RB100#0               | 9.94                       | 13         | Pass    |
| LTE Band 41          | 20 MHz         | LCH          | QPSK      | RB1#0                 | 7.87                       | 13         | Pass    |
|                      |                |              |           | RB100#0               | 8.81                       | 13         | Pass    |
|                      |                |              | 16-QAM    | RB1#0                 | 8.67                       | 13         | Pass    |
|                      |                |              |           | RB100#0               | 9.61                       | 13         | Pass    |
|                      |                | MCH          | QPSK      | RB1#0                 | 8.81                       | 13         | Pass    |
|                      |                |              |           | RB100#0               | 9.23                       | 13         | Pass    |
|                      |                |              | 16-QAM    | RB1#0                 | 9.61                       | 13         | Pass    |
|                      |                |              |           | RB100#0               | 9.94                       | 13         | Pass    |
|                      |                | HCH          | QPSK      | RB1#0                 | 9.19                       | 13         | Pass    |
|                      |                |              |           | RB100#0               | 9.28                       | 13         | Pass    |
|                      |                |              | 16-QAM    | RB1#0                 | 9.75                       | 13         | Pass    |
|                      |                |              |           | RB100#0               | 9.84                       | 13         | Pass    |
| LTE Band 66          | 20 MHz         | LCH          | QPSK      | RB1#0                 | 5.02                       | 13         | Pass    |
|                      |                |              |           | RB100#0               | 5.48                       | 13         | Pass    |
|                      |                |              | 16-QAM    | RB1#0                 | 5.53                       | 13         | Pass    |
|                      |                |              |           | RB100#0               | 6.23                       | 13         | Pass    |
|                      |                | MCH          | QPSK      | RB1#0                 | 4.87                       | 13         | Pass    |
|                      |                |              |           | RB100#0               | 5.53                       | 13         | Pass    |
|                      |                |              | 16-QAM    | RB1#0                 | 5.67                       | 13         | Pass    |
|                      |                |              |           | RB100#0               | 6.23                       | 13         | Pass    |

| Test Band   | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Peak to Average Ratio (dB) | Limit (dB) | Verdict |
|-------------|----------------|--------------|-----------|-----------------------|----------------------------|------------|---------|
| LTE Band 71 | 20 MHz         | HCH          | QPSK      | RB1#0                 | 5.25                       | 13         | Pass    |
|             |                |              |           | RB100#0               | 5.48                       | 13         | Pass    |
|             |                |              | 16-QAM    | RB1#0                 | 6.28                       | 13         | Pass    |
|             |                |              |           | RB100#0               | 6.23                       | 13         | Pass    |
|             |                | LCH          | QPSK      | RB1#0                 | 4.92                       | 13         | Pass    |
|             |                |              |           | RB100#0               | 5.53                       | 13         | Pass    |
|             |                |              | 16-QAM    | RB1#0                 | 5.53                       | 13         | Pass    |
|             |                |              |           | RB100#0               | 6.23                       | 13         | Pass    |
|             |                | MCH          | QPSK      | RB1#0                 | 4.78                       | 13         | Pass    |
|             |                |              |           | RB100#0               | 5.39                       | 13         | Pass    |
|             |                |              | 16-QAM    | RB1#0                 | 5.62                       | 13         | Pass    |
|             |                |              |           | RB100#0               | 6.05                       | 13         | Pass    |
|             |                | HCH          | QPSK      | RB1#0                 | 4.22                       | 13         | Pass    |
|             |                |              |           | RB100#0               | 5.3                        | 13         | Pass    |
|             |                |              | 16-QAM    | RB1#0                 | 5.2                        | 13         | Pass    |
|             |                |              |           | RB100#0               | 6.05                       | 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-SZ24C0923-501 Data Part 2.pdf”.

#### GSM and WCDMA Mode Test Data

| Test Band       | Test Channel | Measured 99%<br>Occupied Bandwidth<br>(MHz) | Measured -26 dB<br>Occupied Bandwidth<br>(MHz) |
|-----------------|--------------|---------------------------------------------|------------------------------------------------|
| GSM 850         | LCH          | 0.245                                       | 0.31                                           |
|                 | MCH          | 0.247                                       | 0.313                                          |
|                 | HCH          | 0.244                                       | 0.312                                          |
| GSM 1900        | LCH          | 0.246                                       | 0.307                                          |
|                 | MCH          | 0.245                                       | 0.309                                          |
|                 | HCH          | 0.245                                       | 0.315                                          |
| WCDMA Band<br>2 | LCH          | 4.164                                       | 4.738                                          |
|                 | MCH          | 4.16                                        | 4.719                                          |
|                 | HCH          | 4.163                                       | 4.723                                          |
| WCDMA Band<br>4 | LCH          | 4.157                                       | 4.71                                           |
|                 | MCH          | 4.163                                       | 4.714                                          |
|                 | HCH          | 4.158                                       | 4.715                                          |
| WCDMA Band<br>5 | LCH          | 4.17                                        | 4.727                                          |
|                 | MCH          | 4.179                                       | 4.794                                          |
|                 | HCH          | 4.156                                       | 4.719                                          |

## 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) |
|-----------|----------------|--------------|-----------|------------------------|---------------------------------------|------------------------------------------|
| Band 2    | 1.4 MHz        | LCH          | QPSK      | RB6#0                  | 1.085                                 | 1.269                                    |
|           |                |              | 16-QAM    | RB6#0                  | 1.092                                 | 1.302                                    |
|           |                | MCH          | QPSK      | RB6#0                  | 1.09                                  | 1.291                                    |
|           |                |              | 16-QAM    | RB6#0                  | 1.085                                 | 1.272                                    |
|           |                | HCH          | QPSK      | RB6#0                  | 1.089                                 | 1.274                                    |
|           |                |              | 16-QAM    | RB6#0                  | 1.088                                 | 1.266                                    |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                 | 2.687                                 | 2.901                                    |
|           |                |              | 16-QAM    | RB15#0                 | 2.686                                 | 2.946                                    |
|           |                | MCH          | QPSK      | RB15#0                 | 2.688                                 | 2.921                                    |
|           |                |              | 16-QAM    | RB15#0                 | 2.688                                 | 2.918                                    |
|           |                | HCH          | QPSK      | RB15#0                 | 2.688                                 | 2.922                                    |
|           |                |              | 16-QAM    | RB15#0                 | 2.685                                 | 2.922                                    |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                 | 4.501                                 | 4.922                                    |
|           |                |              | 16-QAM    | RB25#0                 | 4.48                                  | 4.991                                    |
|           |                | MCH          | QPSK      | RB25#0                 | 4.486                                 | 4.921                                    |
|           |                |              | 16-QAM    | RB25#0                 | 4.485                                 | 4.93                                     |
|           |                | HCH          | QPSK      | RB25#0                 | 4.48                                  | 4.919                                    |
|           |                |              | 16-QAM    | RB25#0                 | 4.484                                 | 4.946                                    |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                 | 8.959                                 | 9.772                                    |
|           |                |              | 16-QAM    | RB50#0                 | 8.951                                 | 9.74                                     |
|           |                | MCH          | QPSK      | RB50#0                 | 8.955                                 | 9.758                                    |
|           |                |              | 16-QAM    | RB50#0                 | 8.951                                 | 9.739                                    |
|           |                | HCH          | QPSK      | RB50#0                 | 8.961                                 | 9.773                                    |
|           |                |              | 16-QAM    | RB50#0                 | 8.962                                 | 9.785                                    |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                 | 13.425                                | 14.643                                   |
|           |                |              | 16-QAM    | RB75#0                 | 13.422                                | 14.636                                   |
|           |                | MCH          | QPSK      | RB75#0                 | 13.411                                | 14.575                                   |
|           |                |              | 16-QAM    | RB75#0                 | 13.44                                 | 14.6                                     |
|           |                | HCH          | QPSK      | RB75#0                 | 13.422                                | 14.705                                   |
|           |                |              | 16-QAM    | RB75#0                 | 13.441                                | 14.59                                    |
|           | 20 MHz         | LCH          | QPSK      | RB100#0                | 17.928                                | 19.356                                   |
|           |                |              | 16-QAM    | RB100#0                | 17.976                                | 19.373                                   |
|           |                | MCH          | QPSK      | RB100#0                | 17.931                                | 19.353                                   |
|           |                |              | 16-QAM    | RB100#0                | 17.901                                | 19.411                                   |
|           |                | HCH          | QPSK      | RB100#0                | 17.942                                | 19.358                                   |
|           |                |              | 16-QAM    | RB100#0                | 17.899                                | 19.28                                    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|
| Band 4    | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.085                                 | 1.268                                    |
|           |                |              | 16-QAM    | RB6#0                 | 1.091                                 | 1.303                                    |
|           |                | MCH          | QPSK      | RB6#0                 | 1.09                                  | 1.289                                    |
|           |                |              | 16-QAM    | RB6#0                 | 1.084                                 | 1.267                                    |
|           |                | HCH          | QPSK      | RB6#0                 | 1.089                                 | 1.273                                    |
|           |                |              | 16-QAM    | RB6#0                 | 1.086                                 | 1.266                                    |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.687                                 | 2.91                                     |
|           |                |              | 16-QAM    | RB15#0                | 2.684                                 | 2.948                                    |
|           |                | MCH          | QPSK      | RB15#0                | 2.68                                  | 2.922                                    |
|           |                |              | 16-QAM    | RB15#0                | 2.689                                 | 2.919                                    |
|           |                | HCH          | QPSK      | RB15#0                | 2.688                                 | 2.932                                    |
|           |                |              | 16-QAM    | RB15#0                | 2.681                                 | 2.926                                    |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.486                                 | 4.924                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.481                                 | 4.907                                    |
|           |                | MCH          | QPSK      | RB25#0                | 4.487                                 | 4.935                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.485                                 | 4.944                                    |
|           |                | HCH          | QPSK      | RB25#0                | 4.482                                 | 4.9                                      |
|           |                |              | 16-QAM    | RB25#0                | 4.486                                 | 4.929                                    |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.957                                 | 9.853                                    |
|           |                |              | 16-QAM    | RB50#0                | 8.962                                 | 9.78                                     |
|           |                | MCH          | QPSK      | RB50#0                | 8.956                                 | 9.753                                    |
|           |                |              | 16-QAM    | RB50#0                | 8.949                                 | 9.764                                    |
|           |                | HCH          | QPSK      | RB50#0                | 8.952                                 | 9.758                                    |
|           |                |              | 16-QAM    | RB50#0                | 8.95                                  | 9.786                                    |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.431                                | 14.637                                   |
|           |                |              | 16-QAM    | RB75#0                | 13.424                                | 14.595                                   |
|           |                | MCH          | QPSK      | RB75#0                | 13.421                                | 14.596                                   |
|           |                |              | 16-QAM    | RB75#0                | 13.438                                | 14.572                                   |
|           |                | HCH          | QPSK      | RB75#0                | 13.412                                | 14.753                                   |
|           |                |              | 16-QAM    | RB75#0                | 13.429                                | 14.586                                   |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.907                                | 19.262                                   |
|           |                |              | 16-QAM    | RB100#0               | 17.938                                | 19.382                                   |
|           |                | MCH          | QPSK      | RB100#0               | 17.915                                | 19.336                                   |
|           |                |              | 16-QAM    | RB100#0               | 17.912                                | 19.416                                   |
|           |                | HCH          | QPSK      | RB100#0               | 17.93                                 | 19.574                                   |
|           |                |              | 16-QAM    | RB100#0               | 17.92                                 | 19.358                                   |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|
| Band 5    | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.083                                 | 1.279                                    |
|           |                |              | 16-QAM    | RB6#0                 | 1.091                                 | 1.281                                    |
|           |                | MCH          | QPSK      | RB6#0                 | 1.09                                  | 1.288                                    |
|           |                |              | 16-QAM    | RB6#0                 | 1.083                                 | 1.267                                    |
|           |                | HCH          | QPSK      | RB6#0                 | 1.091                                 | 1.271                                    |
|           |                |              | 16-QAM    | RB6#0                 | 1.088                                 | 1.276                                    |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.692                                 | 2.916                                    |
|           |                |              | 16-QAM    | RB15#0                | 2.682                                 | 2.915                                    |
|           |                | MCH          | QPSK      | RB15#0                | 2.685                                 | 2.919                                    |
|           |                |              | 16-QAM    | RB15#0                | 2.688                                 | 2.916                                    |
|           |                | HCH          | QPSK      | RB15#0                | 2.685                                 | 2.928                                    |
|           |                |              | 16-QAM    | RB15#0                | 2.683                                 | 2.923                                    |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.491                                 | 4.921                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.484                                 | 4.898                                    |
|           |                | MCH          | QPSK      | RB25#0                | 4.487                                 | 4.907                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.489                                 | 4.935                                    |
|           |                | HCH          | QPSK      | RB25#0                | 4.482                                 | 4.885                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.485                                 | 4.944                                    |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.985                                 | 9.851                                    |
|           |                |              | 16-QAM    | RB50#0                | 8.98                                  | 9.742                                    |
|           |                | MCH          | QPSK      | RB50#0                | 8.966                                 | 9.776                                    |
|           |                |              | 16-QAM    | RB50#0                | 8.956                                 | 9.728                                    |
|           |                | HCH          | QPSK      | RB50#0                | 8.962                                 | 9.78                                     |
|           |                |              | 16-QAM    | RB50#0                | 8.957                                 | 9.742                                    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|
| Band 7    | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.495                                 | 4.939                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.488                                 | 4.917                                    |
|           |                | MCH          | QPSK      | RB25#0                | 4.495                                 | 4.931                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.498                                 | 4.932                                    |
|           |                | HCH          | QPSK      | RB25#0                | 4.483                                 | 4.885                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.492                                 | 4.952                                    |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.973                                 | 9.818                                    |
|           |                |              | 16-QAM    | RB50#0                | 8.976                                 | 9.767                                    |
|           |                | MCH          | QPSK      | RB50#0                | 8.969                                 | 9.777                                    |
|           |                |              | 16-QAM    | RB50#0                | 8.962                                 | 9.787                                    |
|           |                | HCH          | QPSK      | RB50#0                | 8.964                                 | 9.784                                    |
|           |                |              | 16-QAM    | RB50#0                | 8.975                                 | 9.781                                    |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.443                                | 14.617                                   |
|           |                |              | 16-QAM    | RB75#0                | 13.441                                | 14.604                                   |
|           |                | MCH          | QPSK      | RB75#0                | 13.417                                | 14.569                                   |
|           |                |              | 16-QAM    | RB75#0                | 13.448                                | 14.667                                   |
|           |                | HCH          | QPSK      | RB75#0                | 13.441                                | 14.687                                   |
|           |                |              | 16-QAM    | RB75#0                | 13.442                                | 14.624                                   |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.912                                | 19.301                                   |
|           |                |              | 16-QAM    | RB100#0               | 17.917                                | 19.391                                   |
|           |                | MCH          | QPSK      | RB100#0               | 17.903                                | 19.306                                   |
|           |                |              | 16-QAM    | RB100#0               | 17.924                                | 19.399                                   |
|           |                | HCH          | QPSK      | RB100#0               | 17.905                                | 19.435                                   |
|           |                |              | 16-QAM    | RB100#0               | 17.914                                | 19.354                                   |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|
| Band 12   | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.085                                 | 1.269                                    |
|           |                |              | 16-QAM    | RB6#0                 | 1.091                                 | 1.303                                    |
|           |                | MCH          | QPSK      | RB6#0                 | 1.088                                 | 1.29                                     |
|           |                |              | 16-QAM    | RB6#0                 | 1.085                                 | 1.265                                    |
|           |                | HCH          | QPSK      | RB6#0                 | 1.091                                 | 1.278                                    |
|           |                |              | 16-QAM    | RB6#0                 | 1.088                                 | 1.273                                    |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.685                                 | 2.912                                    |
|           |                |              | 16-QAM    | RB15#0                | 2.682                                 | 2.933                                    |
|           |                | MCH          | QPSK      | RB15#0                | 2.686                                 | 2.921                                    |
|           |                |              | 16-QAM    | RB15#0                | 2.686                                 | 2.922                                    |
|           |                | HCH          | QPSK      | RB15#0                | 2.691                                 | 2.93                                     |
|           |                |              | 16-QAM    | RB15#0                | 2.682                                 | 2.927                                    |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.517                                 | 5.16                                     |
|           |                |              | 16-QAM    | RB25#0                | 4.507                                 | 5.124                                    |
|           |                | MCH          | QPSK      | RB25#0                | 4.505                                 | 5.142                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.516                                 | 5.148                                    |
|           |                | HCH          | QPSK      | RB25#0                | 4.505                                 | 5.124                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.513                                 | 5.204                                    |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.994                                 | 10.235                                   |
|           |                |              | 16-QAM    | RB50#0                | 8.989                                 | 10.08                                    |
|           |                | MCH          | QPSK      | RB50#0                | 8.968                                 | 10.107                                   |
|           |                |              | 16-QAM    | RB50#0                | 8.977                                 | 10.134                                   |
|           |                | HCH          | QPSK      | RB50#0                | 8.983                                 | 10.139                                   |
|           |                |              | 16-QAM    | RB50#0                | 8.982                                 | 10.117                                   |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|
| Band 13   | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.518                                 | 5.197                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.503                                 | 5.15                                     |
|           |                | MCH          | QPSK      | RB25#0                | 4.51                                  | 5.163                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.514                                 | 5.228                                    |
|           |                | HCH          | QPSK      | RB25#0                | 4.503                                 | 5.136                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.514                                 | 5.154                                    |
|           | 10 MHz         | MCH          | QPSK      | RB50#0                | 9.004                                 | 10.323                                   |
|           |                |              | 16-QAM    | RB50#0                | 8.99                                  | 9.994                                    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|
| Band 17   | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.515                                 | 5.162                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.509                                 | 5.125                                    |
|           |                | MCH          | QPSK      | RB25#0                | 4.503                                 | 5.126                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.514                                 | 5.157                                    |
|           |                | HCH          | QPSK      | RB25#0                | 4.506                                 | 5.124                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.512                                 | 5.353                                    |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.998                                 | 10.232                                   |
|           |                |              | 16-QAM    | RB50#0                | 8.997                                 | 10.102                                   |
|           |                | MCH          | QPSK      | RB50#0                | 8.969                                 | 10.052                                   |
|           |                |              | 16-QAM    | RB50#0                | 8.97                                  | 10.127                                   |
|           |                | HCH          | QPSK      | RB50#0                | 8.987                                 | 10.065                                   |
|           |                |              | 16-QAM    | RB50#0                | 8.986                                 | 10.097                                   |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|------------------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|
| Band 18(Part 22) | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.519                                 | 5.196                                    |
|                  |                |              | 16-QAM    | RB25#0                | 4.512                                 | 5.091                                    |
|                  |                | MCH          | QPSK      | RB25#0                | 4.508                                 | 5.142                                    |
|                  |                |              | 16-QAM    | RB25#0                | 4.513                                 | 5.144                                    |
|                  |                | HCH          | QPSK      | RB25#0                | 4.506                                 | 5.142                                    |
|                  |                |              | 16-QAM    | RB25#0                | 4.519                                 | 5.198                                    |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|------------------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|
| Band 18(Part 90) | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.515                                 | 5.179                                    |
|                  |                |              | 16-QAM    | RB25#0                | 4.509                                 | 5.114                                    |
|                  |                | MCH          | QPSK      | RB25#0                | 4.504                                 | 5.147                                    |
|                  |                |              | 16-QAM    | RB25#0                | 4.513                                 | 5.169                                    |
|                  |                | HCH          | QPSK      | RB25#0                | 4.51                                  | 5.159                                    |
|                  |                |              | 16-QAM    | RB25#0                | 4.515                                 | 5.186                                    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|
| Band 19   | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.518                                 | 5.22                                     |
|           |                |              | 16-QAM    | RB25#0                | 4.515                                 | 5.106                                    |
|           |                | MCH          | QPSK      | RB25#0                | 4.509                                 | 5.156                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.518                                 | 5.155                                    |
|           |                | HCH          | QPSK      | RB25#0                | 4.503                                 | 5.141                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.51                                  | 5.2                                      |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.996                                 | 10.234                                   |
|           |                |              | 16-QAM    | RB50#0                | 8.972                                 | 10.022                                   |
|           |                | MCH          | QPSK      | RB50#0                | 8.959                                 | 10.039                                   |
|           |                |              | 16-QAM    | RB50#0                | 8.978                                 | 10.021                                   |
|           |                | HCH          | QPSK      | RB50#0                | 8.991                                 | 10.134                                   |
|           |                |              | 16-QAM    | RB50#0                | 8.98                                  | 10.098                                   |
|           | 15 MHz         | MCH          | QPSK      | RB75#0                | 13.48                                 | 15.142                                   |
|           |                |              | 16-QAM    | RB75#0                | 13.458                                | 15.03                                    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset ) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|-----------|----------------|--------------|-----------|------------------------|---------------------------------------|------------------------------------------|
| Band 25   | 1.4 MHz        | LCH          | QPSK      | RB6#0                  | 1.086                                 | 1.273                                    |
|           |                |              | 16-QAM    | RB6#0                  | 1.092                                 | 1.299                                    |
|           |                | MCH          | QPSK      | RB6#0                  | 1.091                                 | 1.288                                    |
|           |                |              | 16-QAM    | RB6#0                  | 1.085                                 | 1.266                                    |
|           |                | HCH          | QPSK      | RB6#0                  | 1.092                                 | 1.287                                    |
|           |                |              | 16-QAM    | RB6#0                  | 1.088                                 | 1.262                                    |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                 | 2.687                                 | 2.909                                    |
|           |                |              | 16-QAM    | RB15#0                 | 2.684                                 | 2.94                                     |
|           |                | MCH          | QPSK      | RB15#0                 | 2.682                                 | 2.921                                    |
|           |                |              | 16-QAM    | RB15#0                 | 2.681                                 | 2.915                                    |
|           |                | HCH          | QPSK      | RB15#0                 | 2.687                                 | 2.925                                    |
|           |                |              | 16-QAM    | RB15#0                 | 2.686                                 | 2.926                                    |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                 | 4.517                                 | 5.223                                    |
|           |                |              | 16-QAM    | RB25#0                 | 4.508                                 | 5.152                                    |
|           |                | MCH          | QPSK      | RB25#0                 | 4.506                                 | 5.145                                    |
|           |                |              | 16-QAM    | RB25#0                 | 4.514                                 | 5.143                                    |
|           |                | HCH          | QPSK      | RB25#0                 | 4.504                                 | 5.143                                    |
|           |                |              | 16-QAM    | RB25#0                 | 4.516                                 | 5.19                                     |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                 | 8.999                                 | 10.145                                   |
|           |                |              | 16-QAM    | RB50#0                 | 8.979                                 | 9.992                                    |
|           |                | MCH          | QPSK      | RB50#0                 | 8.963                                 | 10.042                                   |
|           |                |              | 16-QAM    | RB50#0                 | 8.976                                 | 9.973                                    |
|           |                | HCH          | QPSK      | RB50#0                 | 8.976                                 | 10.078                                   |
|           |                |              | 16-QAM    | RB50#0                 | 8.99                                  | 10.137                                   |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                 | 13.493                                | 15.115                                   |
|           |                |              | 16-QAM    | RB75#0                 | 13.468                                | 15.067                                   |
|           |                | MCH          | QPSK      | RB75#0                 | 13.458                                | 15.014                                   |
|           |                |              | 16-QAM    | RB75#0                 | 13.501                                | 15.086                                   |
|           |                | HCH          | QPSK      | RB75#0                 | 13.475                                | 15.17                                    |
|           |                |              | 16-QAM    | RB75#0                 | 13.482                                | 15.044                                   |
|           | 20 MHz         | LCH          | QPSK      | RB100#0                | 17.935                                | 19.645                                   |
|           |                |              | 16-QAM    | RB100#0                | 17.962                                | 19.724                                   |
|           |                | MCH          | QPSK      | RB100#0                | 17.959                                | 19.735                                   |
|           |                |              | 16-QAM    | RB100#0                | 17.968                                | 19.862                                   |
|           |                | HCH          | QPSK      | RB100#0                | 17.983                                | 20.063                                   |
|           |                |              | 16-QAM    | RB100#0                | 17.966                                | 19.702                                   |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|------------------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|
| Band 26 (Part22) | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.086                                 | 1.269                                    |
|                  |                |              | 16-QAM    | RB6#0                 | 1.091                                 | 1.299                                    |
|                  |                | MCH          | QPSK      | RB6#0                 | 1.086                                 | 1.281                                    |
|                  |                |              | 16-QAM    | RB6#0                 | 1.085                                 | 1.275                                    |
|                  |                | HCH          | QPSK      | RB6#0                 | 1.09                                  | 1.272                                    |
|                  |                |              | 16-QAM    | RB6#0                 | 1.091                                 | 1.282                                    |
|                  | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.688                                 | 2.918                                    |
|                  |                |              | 16-QAM    | RB15#0                | 2.684                                 | 2.916                                    |
|                  |                | MCH          | QPSK      | RB15#0                | 2.684                                 | 2.908                                    |
|                  |                |              | 16-QAM    | RB15#0                | 2.685                                 | 2.917                                    |
|                  |                | HCH          | QPSK      | RB15#0                | 2.686                                 | 2.917                                    |
|                  |                |              | 16-QAM    | RB15#0                | 2.679                                 | 2.927                                    |
|                  | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.501                                 | 4.932                                    |
|                  |                |              | 16-QAM    | RB25#0                | 4.48                                  | 4.909                                    |
|                  |                | MCH          | QPSK      | RB25#0                | 4.492                                 | 4.936                                    |
|                  |                |              | 16-QAM    | RB25#0                | 4.486                                 | 4.929                                    |
|                  |                | HCH          | QPSK      | RB25#0                | 4.486                                 | 4.925                                    |
|                  |                |              | 16-QAM    | RB25#0                | 4.486                                 | 4.944                                    |
|                  | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.97                                  | 9.868                                    |
|                  |                |              | 16-QAM    | RB50#0                | 8.97                                  | 9.77                                     |
|                  |                | MCH          | QPSK      | RB50#0                | 8.963                                 | 9.764                                    |
|                  |                |              | 16-QAM    | RB50#0                | 8.954                                 | 9.795                                    |
|                  |                | HCH          | QPSK      | RB50#0                | 8.963                                 | 9.779                                    |
|                  |                |              | 16-QAM    | RB50#0                | 8.952                                 | 9.746                                    |
|                  | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.446                                | 14.646                                   |
|                  |                |              | 16-QAM    | RB75#0                | 13.44                                 | 14.599                                   |
|                  |                | MCH          | QPSK      | RB75#0                | 13.411                                | 14.589                                   |
|                  |                |              | 16-QAM    | RB75#0                | 13.424                                | 14.593                                   |
|                  |                | HCH          | QPSK      | RB75#0                | 13.405                                | 14.668                                   |
|                  |                |              | 16-QAM    | RB75#0                | 13.412                                | 14.576                                   |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|------------------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|
| Band 26 (Part90) | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.083                                 | 1.268                                    |
|                  |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.303                                    |
|                  |                | MCH          | QPSK      | RB6#0                 | 1.091                                 | 1.287                                    |
|                  |                |              | 16-QAM    | RB6#0                 | 1.085                                 | 1.27                                     |
|                  |                | HCH          | QPSK      | RB6#0                 | 1.091                                 | 1.278                                    |
|                  |                |              | 16-QAM    | RB6#0                 | 1.087                                 | 1.275                                    |
|                  | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.685                                 | 2.923                                    |
|                  |                |              | 16-QAM    | RB15#0                | 2.687                                 | 2.935                                    |
|                  |                | MCH          | QPSK      | RB15#0                | 2.685                                 | 2.915                                    |
|                  |                |              | 16-QAM    | RB15#0                | 2.688                                 | 2.917                                    |
|                  |                | HCH          | QPSK      | RB15#0                | 2.684                                 | 2.927                                    |
|                  |                |              | 16-QAM    | RB15#0                | 2.684                                 | 2.924                                    |
|                  | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.493                                 | 4.916                                    |
|                  |                |              | 16-QAM    | RB25#0                | 4.483                                 | 4.909                                    |
|                  |                | MCH          | QPSK      | RB25#0                | 4.492                                 | 4.921                                    |
|                  |                |              | 16-QAM    | RB25#0                | 4.487                                 | 4.919                                    |
|                  |                | HCH          | QPSK      | RB25#0                | 4.487                                 | 4.929                                    |
|                  |                |              | 16-QAM    | RB25#0                | 4.482                                 | 4.94                                     |
|                  | 10 MHz         | MCH          | QPSK      | RB50#0                | 8.971                                 | 9.827                                    |
|                  |                |              | 16-QAM    | RB50#0                | 8.96                                  | 9.739                                    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|
| Band 38   | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.491                                 | 5.114                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.496                                 | 5.306                                    |
|           |                | MCH          | QPSK      | RB25#0                | 4.506                                 | 4.977                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.497                                 | 5.166                                    |
|           |                | HCH          | QPSK      | RB25#0                | 4.498                                 | 5.326                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.493                                 | 5.012                                    |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 9.007                                 | 11.523                                   |
|           |                |              | 16-QAM    | RB50#0                | 8.993                                 | 9.845                                    |
|           |                | MCH          | QPSK      | RB50#0                | 8.986                                 | 9.863                                    |
|           |                |              | 16-QAM    | RB50#0                | 8.97                                  | 10.303                                   |
|           |                | HCH          | QPSK      | RB50#0                | 9.016                                 | 10.771                                   |
|           |                |              | 16-QAM    | RB50#0                | 9.005                                 | 11.558                                   |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.491                                | 15.663                                   |
|           |                |              | 16-QAM    | RB75#0                | 13.489                                | 15.78                                    |
|           |                | MCH          | QPSK      | RB75#0                | 13.476                                | 15.417                                   |
|           |                |              | 16-QAM    | RB75#0                | 13.527                                | 15.354                                   |
|           |                | HCH          | QPSK      | RB75#0                | 13.456                                | 15.59                                    |
|           |                |              | 16-QAM    | RB75#0                | 13.533                                | 16.619                                   |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.982                                | 20.109                                   |
|           |                |              | 16-QAM    | RB100#0               | 17.943                                | 20.108                                   |
|           |                | MCH          | QPSK      | RB100#0               | 17.936                                | 20.266                                   |
|           |                |              | 16-QAM    | RB100#0               | 17.968                                | 21.431                                   |
|           |                | HCH          | QPSK      | RB100#0               | 17.962                                | 20.772                                   |
|           |                |              | 16-QAM    | RB100#0               | 17.937                                | 20.153                                   |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|
| Band 41   | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.493                                 | 4.964                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.499                                 | 5.173                                    |
|           |                | MCH          | QPSK      | RB25#0                | 4.509                                 | 4.974                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.488                                 | 5.107                                    |
|           |                | HCH          | QPSK      | RB25#0                | 4.494                                 | 5.111                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.49                                  | 4.972                                    |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.982                                 | 10.204                                   |
|           |                |              | 16-QAM    | RB50#0                | 8.991                                 | 9.966                                    |
|           |                | MCH          | QPSK      | RB50#0                | 8.969                                 | 9.865                                    |
|           |                |              | 16-QAM    | RB50#0                | 8.975                                 | 10.249                                   |
|           |                | HCH          | QPSK      | RB50#0                | 9.002                                 | 9.931                                    |
|           |                |              | 16-QAM    | RB50#0                | 8.996                                 | 11.507                                   |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.493                                | 15.446                                   |
|           |                |              | 16-QAM    | RB75#0                | 13.473                                | 15.736                                   |
|           |                | MCH          | QPSK      | RB75#0                | 13.458                                | 15.311                                   |
|           |                |              | 16-QAM    | RB75#0                | 13.524                                | 15.689                                   |
|           |                | HCH          | QPSK      | RB75#0                | 13.449                                | 15.452                                   |
|           |                |              | 16-QAM    | RB75#0                | 13.526                                | 16.206                                   |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.971                                | 19.68                                    |
|           |                |              | 16-QAM    | RB100#0               | 17.947                                | 20.019                                   |
|           |                | MCH          | QPSK      | RB100#0               | 17.942                                | 19.905                                   |
|           |                |              | 16-QAM    | RB100#0               | 17.966                                | 22.202                                   |
|           |                | HCH          | QPSK      | RB100#0               | 17.951                                | 19.843                                   |
|           |                |              | 16-QAM    | RB100#0               | 17.909                                | 19.905                                   |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|
| Band 66   | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.085                                 | 1.269                                    |
|           |                |              | 16-QAM    | RB6#0                 | 1.092                                 | 1.301                                    |
|           |                | MCH          | QPSK      | RB6#0                 | 1.091                                 | 1.287                                    |
|           |                |              | 16-QAM    | RB6#0                 | 1.084                                 | 1.27                                     |
|           |                | HCH          | QPSK      | RB6#0                 | 1.09                                  | 1.274                                    |
|           |                |              | 16-QAM    | RB6#0                 | 1.089                                 | 1.271                                    |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.686                                 | 2.91                                     |
|           |                |              | 16-QAM    | RB15#0                | 2.686                                 | 2.947                                    |
|           |                | MCH          | QPSK      | RB15#0                | 2.681                                 | 2.924                                    |
|           |                |              | 16-QAM    | RB15#0                | 2.689                                 | 2.914                                    |
|           |                | HCH          | QPSK      | RB15#0                | 2.687                                 | 2.923                                    |
|           |                |              | 16-QAM    | RB15#0                | 2.68                                  | 2.929                                    |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.515                                 | 5.164                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.5                                   | 5.164                                    |
|           |                | MCH          | QPSK      | RB25#0                | 4.503                                 | 5.13                                     |
|           |                |              | 16-QAM    | RB25#0                | 4.513                                 | 5.154                                    |
|           |                | HCH          | QPSK      | RB25#0                | 4.501                                 | 5.14                                     |
|           |                |              | 16-QAM    | RB25#0                | 4.509                                 | 5.18                                     |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.989                                 | 10.205                                   |
|           |                |              | 16-QAM    | RB50#0                | 8.98                                  | 10.024                                   |
|           |                | MCH          | QPSK      | RB50#0                | 8.972                                 | 10.026                                   |
|           |                |              | 16-QAM    | RB50#0                | 8.97                                  | 10.011                                   |
|           |                | HCH          | QPSK      | RB50#0                | 8.977                                 | 10.148                                   |
|           |                |              | 16-QAM    | RB50#0                | 8.971                                 | 10.149                                   |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.472                                | 15.12                                    |
|           |                |              | 16-QAM    | RB75#0                | 13.454                                | 15.018                                   |
|           |                | MCH          | QPSK      | RB75#0                | 13.434                                | 14.978                                   |
|           |                |              | 16-QAM    | RB75#0                | 13.467                                | 15.012                                   |
|           |                | HCH          | QPSK      | RB75#0                | 13.448                                | 15.091                                   |
|           |                |              | 16-QAM    | RB75#0                | 13.47                                 | 15.088                                   |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.942                                | 19.664                                   |
|           |                |              | 16-QAM    | RB100#0               | 17.964                                | 19.815                                   |
|           |                | MCH          | QPSK      | RB100#0               | 17.915                                | 19.736                                   |
|           |                |              | 16-QAM    | RB100#0               | 17.949                                | 19.757                                   |
|           |                | HCH          | QPSK      | RB100#0               | 17.963                                | 19.867                                   |
|           |                |              | 16-QAM    | RB100#0               | 17.923                                | 19.715                                   |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|
| Band 71   | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.501                                 | 5.122                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.514                                 | 5.3                                      |
|           |                | MCH          | QPSK      | RB25#0                | 4.516                                 | 5.217                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.511                                 | 5.11                                     |
|           |                | HCH          | QPSK      | RB25#0                | 4.506                                 | 5.132                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.52                                  | 5.143                                    |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 9.016                                 | 10.684                                   |
|           |                |              | 16-QAM    | RB50#0                | 9.008                                 | 10.115                                   |
|           |                | MCH          | QPSK      | RB50#0                | 8.992                                 | 10.152                                   |
|           |                |              | 16-QAM    | RB50#0                | 8.978                                 | 10.102                                   |
|           |                | HCH          | QPSK      | RB50#0                | 8.992                                 | 10.064                                   |
|           |                |              | 16-QAM    | RB50#0                | 8.973                                 | 10.071                                   |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.522                                | 15.62                                    |
|           |                |              | 16-QAM    | RB75#0                | 13.509                                | 16.157                                   |
|           |                | MCH          | QPSK      | RB75#0                | 13.447                                | 15.086                                   |
|           |                |              | 16-QAM    | RB75#0                | 13.476                                | 14.986                                   |
|           |                | HCH          | QPSK      | RB75#0                | 13.447                                | 15.115                                   |
|           |                |              | 16-QAM    | RB75#0                | 13.473                                | 15.106                                   |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.941                                | 19.642                                   |
|           |                |              | 16-QAM    | RB100#0               | 18.004                                | 19.675                                   |
|           |                | MCH          | QPSK      | RB100#0               | 17.912                                | 19.757                                   |
|           |                |              | 16-QAM    | RB100#0               | 17.957                                | 19.851                                   |
|           |                | HCH          | QPSK      | RB100#0               | 17.944                                | 19.989                                   |
|           |                |              | 16-QAM    | RB100#0               | 17.922                                | 19.782                                   |

## A.4 Frequency Stability

### A.4.1 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) |         |
| 3.8             | -30              | 17                  | ±2060.5     | 17.2             | ±2091.5     | 13.4             | ±2122       | Pass    |
|                 | -20              | 13.4                |             | 17.4             |             | 18.6             |             |         |
|                 | -10              | 12.2                |             | 13.7             |             | 16               |             |         |
|                 | 0                | 12.6                |             | 15.7             |             | 16.5             |             |         |
|                 | 10               | 9.69                |             | 16.3             |             | 9.56             |             |         |
|                 | 20               | 18.9                |             | 13.3             |             | 11.6             |             |         |
|                 | 25               | 14.8                |             | 16.4             |             | 15.8             |             |         |
|                 | 30               | 14.5                |             | 12.4             |             | 14.9             |             |         |
|                 | 40               | 13.7                |             | 17.5             |             | 12.5             |             |         |
|                 | 50               | 9.33                |             | 15.7             |             | 15.3             |             |         |
| 4.45            | 25               | 13.5                |             | 13.2             |             | 15.6             |             |         |
| 3.4             | 25               | 13.7                |             | 19.6             |             | 15.8             |             |         |

#### 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) |         |
| 3.8             | -30              | 29.6                | ±4625.5     | 32.2            | ±4700.0     | 27.4              | ±4774.5     | Pass    |
|                 | -20              | 27.9                |             | 28.8            |             | 28.7              |             |         |
|                 | -10              | 32.8                |             | 32.8            |             | 27.7              |             |         |
|                 | 0                | 28.6                |             | 30              |             | 28.8              |             |         |
|                 | 10               | 35.7                |             | 26.4            |             | 27.1              |             |         |
|                 | 20               | 32.5                |             | 37.1            |             | 33.1              |             |         |
|                 | 25               | 33.3                |             | 29.4            |             | 31.7              |             |         |
|                 | 30               | 35.4                |             | 30.4            |             | 32.7              |             |         |
|                 | 40               | 32.3                |             | 28.7            |             | 31.5              |             |         |
|                 | 50               | 31.2                |             | 26.3            |             | 33                |             |         |
| 4.45            | 25               | 36.5                |             | 24              |             | 28.7              |             |         |
| 3.4             | 25               | 32.5                |             | 33.4            |             | 31.5              |             |         |

GPRS 850

| Test Conditions |                  | Frequency Deviation |             |                  |             |                  |             | Verdict |
|-----------------|------------------|---------------------|-------------|------------------|-------------|------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | LCH<br>824.2 MHz    |             | MCH<br>836.6 MHz |             | HCH<br>848.8 MHz |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) | Value (Hz)       | Limits (Hz) | Value (Hz)       | Limits (Hz) |         |
| 3.8             | -30              | 10.7                | ±2060.5     | 14.9             | ±2091.5     | 13.8             | ±2122       | Pass    |
|                 | -20              | 13.8                |             | 12.6             |             | 14.1             |             |         |
|                 | -10              | 10.2                |             | 10.9             |             | 12.2             |             |         |
|                 | 0                | 10.6                |             | 14.1             |             | 13.2             |             |         |
|                 | 10               | 12.5                |             | 11.4             |             | 12.9             |             |         |
|                 | 20               | 11.9                |             | 12.1             |             | 13.1             |             |         |
|                 | 25               | 12.3                |             | 12.5             |             | 10.6             |             |         |
|                 | 30               | 10.2                |             | 13.5             |             | 12.6             |             |         |
|                 | 40               | 8.94                |             | 9.1              |             | 10.9             |             |         |
|                 | 50               | 10.6                |             | 12.7             |             | 12               |             |         |
| 4.45            | 25               | 10.8                |             | 12.8             |             | 7.81             |             |         |
| 3.4             | 25               | 12                  |             | 12.1             |             | 11.9             |             |         |

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) |         |
| 3.8             | -30              | 27.3                | ±4625.5     | 22.5            | ±4700.0     | 27.9              | ±4774.5     | Pass    |
|                 | -20              | 25.2                |             | 19              |             | 23.8              |             |         |
|                 | -10              | 23.8                |             | 26.2            |             | 31.5              |             |         |
|                 | 0                | 24.5                |             | 25.6            |             | 24.2              |             |         |
|                 | 10               | 28                  |             | 27.5            |             | 29.3              |             |         |
|                 | 20               | 26.7                |             | 26.5            |             | 24.3              |             |         |
|                 | 25               | 23.4                |             | 27              |             | 28.9              |             |         |
|                 | 30               | 21.2                |             | 26.7            |             | 28.9              |             |         |
|                 | 40               | 29.3                |             | 28.8            |             | 27.3              |             |         |
|                 | 50               | 28                  |             | 22.9            |             | 25.3              |             |         |
| 4.45            | 25               | 26.5                |             | 23.3            |             | 24.5              |             |         |
| 3.4             | 25               | 27.2                |             | 23.6            |             | 22                |             |         |

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) |         |
| 3.8             | -30              | -8.65               | ±4631       | -6.75           | ±4700       | -7.03             | ±4769       | Pass    |
|                 | -20              | -11.39              |             | -16.06          |             | -13.29            |             |         |
|                 | -10              | -12.51              |             | -6.86           |             | -7.7              |             |         |
|                 | 0                | -7.9                |             | -9.15           |             | -13.85            |             |         |
|                 | 10               | -15.03              |             | -12.33          |             | -12.04            |             |         |
|                 | 20               | -7.42               |             | -11.44          |             | -9.93             |             |         |
|                 | 25               | -5.16               |             | -5.34           |             | -10.06            |             |         |
|                 | 30               | -11.04              |             | -11.01          |             | -14.4             |             |         |
|                 | 40               | -5.2                |             | -2.55           |             | -11.94            |             |         |
|                 | 50               | -4.41               |             | -9.8            |             | -11.17            |             |         |
| 4.45            | 25               | -1.6                |             | -9.51           |             | -10.56            |             |         |
| 3.4             | 25               | -14.69              |             | -9.26           |             | -8.96             |             |         |

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) |         |
| 3.8             | -30              | -3.73               | ±4281       | -9.68             | ±4331       | -9.04             | ±4381.5     | Pass    |
|                 | -20              | -9.7                |             | -3.88             |             | -12.22            |             |         |
|                 | -10              | -14.78              |             | -11.17            |             | -9.98             |             |         |
|                 | 0                | -6.5                |             | -8.73             |             | -14.58            |             |         |
|                 | 10               | -5.21               |             | -7.95             |             | -14.05            |             |         |
|                 | 20               | -10.84              |             | -7                |             | -6.68             |             |         |
|                 | 25               | -6.84               |             | -8.78             |             | -12.38            |             |         |
|                 | 30               | -10.17              |             | -8.32             |             | -8.25             |             |         |
|                 | 40               | -9.88               |             | -10.52            |             | -9.42             |             |         |
|                 | 50               | -6.83               |             | -7.25             |             | -9.88             |             |         |
| 4.45            | 25               | -8.23               |             | -6.88             |             | -8.23             |             |         |
| 3.4             | 25               | -9.72               |             | -10.75            |             | -11.58            |             |         |

## 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) |         |
| 3.8             | -30              | -1.79               | ±2066       | -9.93            | ±2091       | -4.81            | ±2116.5     | Pass    |
|                 | -20              | -4.01               |             | -6.52            |             | -13.27           |             |         |
|                 | -10              | -3.68               |             | -7.12            |             | -13.02           |             |         |
|                 | 0                | -8.78               |             | -10.41           |             | -9.34            |             |         |
|                 | 10               | -4.55               |             | -4.96            |             | -9.47            |             |         |
|                 | 20               | -2.73               |             | -13.14           |             | -10.95           |             |         |
|                 | 25               | -10.79              |             | -10.53           |             | -14.27           |             |         |
|                 | 30               | -2.51               |             | -13.24           |             | -8.5             |             |         |
|                 | 40               | -4.68               |             | -7.72            |             | -6.69            |             |         |
|                 | 50               | -7.78               |             | -6.77            |             | -9.96            |             |         |
| 4.45            | 25               | -8.4                |             | -9.96            |             | -8.6             |             |         |
| 3.4             | 25               | -8.08               |             | -13.98           |             | -6.67            |             |         |

LTE Band 2 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1880 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -9.64               | ±4700       | Pass    |
|                 | -20              | -9.56               |             |         |
|                 | -10              | -4.88               |             |         |
|                 | 0                | -7.55               |             |         |
|                 | 10               | -7.18               |             |         |
|                 | 20               | -4.73               |             |         |
|                 | 25               | -7.12               |             |         |
|                 | 30               | -8.28               |             |         |
|                 | 40               | -5.45               |             |         |
|                 | 50               | -8.25               |             |         |
| 4.45            | 25               | -5.51               |             |         |
| 3.4             | 25               | -6.49               |             |         |

LTE Band 2 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1880 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -8.64               | ±4700       | Pass    |
|                 | -20              | -8.11               |             |         |
|                 | -10              | -3.85               |             |         |
|                 | 0                | -6.65               |             |         |
|                 | 10               | -6.9                |             |         |
|                 | 20               | -8.47               |             |         |
|                 | 25               | -8.18               |             |         |
|                 | 30               | -7.22               |             |         |
|                 | 40               | -7.28               |             |         |
|                 | 50               | -7.35               |             |         |
| 4.45            | 25               | -3.75               |             |         |
| 3.4             | 25               | -7.18               |             |         |

LTE Band 4 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1732.5 MHz   |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -3.35               | ±4331.25    | Pass    |
|                 | -20              | -0.09               |             |         |
|                 | -10              | -3.91               |             |         |
|                 | 0                | -2.66               |             |         |
|                 | 10               | -4.68               |             |         |
|                 | 20               | -3.09               |             |         |
|                 | 25               | -3.19               |             |         |
|                 | 30               | -2.66               |             |         |
|                 | 40               | -4.45               |             |         |
|                 | 50               | -4.56               |             |         |
| 4.45            | 25               | -8.24               |             |         |
| 3.4             | 25               | -2.66               |             |         |

LTE Band 4 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1732.5 MHz   |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -7.97               | ±4331.25    | Pass    |
|                 | -20              | -6.47               |             |         |
|                 | -10              | -1.19               |             |         |
|                 | 0                | -3.4                |             |         |
|                 | 10               | -1.49               |             |         |
|                 | 20               | -0.5                |             |         |
|                 | 25               | -3.29               |             |         |
|                 | 30               | -0.36               |             |         |
|                 | 40               | -4.03               |             |         |
|                 | 50               | 1.72                |             |         |
| 4.45            | 25               | -3.18               |             |         |
| 3.4             | 25               | -0.29               |             |         |

LTE Band 5 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>836.5 MHz    |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -5.72               | ±2091.25    | Pass    |
|                 | -20              | -6.77               |             |         |
|                 | -10              | -5.61               |             |         |
|                 | 0                | -2.98               |             |         |
|                 | 10               | -5.52               |             |         |
|                 | 20               | -4.52               |             |         |
|                 | 25               | -2.96               |             |         |
|                 | 30               | -1.02               |             |         |
|                 | 40               | -6.69               |             |         |
|                 | 50               | -3.18               |             |         |
| 4.45            | 25               | -4.08               | ±2091.25    | Pass    |
| 3.4             | 25               | -5.14               |             |         |

LTE Band 5 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>836.5 MHz    |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -6.44               | ±2091.25    | Pass    |
|                 | -20              | -5.38               |             |         |
|                 | -10              | -6.42               |             |         |
|                 | 0                | -3.93               |             |         |
|                 | 10               | -2.8                |             |         |
|                 | 20               | -6.18               |             |         |
|                 | 25               | -4.45               |             |         |
|                 | 30               | -6.48               |             |         |
|                 | 40               | -5.49               |             |         |
|                 | 50               | -3.5                |             |         |
| 4.45            | 25               | -3.62               | ±2091.25    | Pass    |
| 3.4             | 25               | -3.28               |             |         |

LTE Band 7 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2535 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -8.5                | ±6337.5     | Pass    |
|                 | -20              | -6.94               |             |         |
|                 | -10              | -6.59               |             |         |
|                 | 0                | -7.17               |             |         |
|                 | 10               | -2.86               |             |         |
|                 | 20               | -9.67               |             |         |
|                 | 25               | -0.56               |             |         |
|                 | 30               | -2.72               |             |         |
|                 | 40               | -7.58               |             |         |
|                 | 50               | -0.56               |             |         |
| 4.45            | 25               | 0                   |             |         |
| 3.4             | 25               | -7.24               |             |         |

LTE Band 7 16-QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2535 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -10.71              | ±6337.5     | Pass    |
|                 | -20              | -4.09               |             |         |
|                 | -10              | -5.66               |             |         |
|                 | 0                | -1.99               |             |         |
|                 | 10               | 0.86                |             |         |
|                 | 20               | 1.17                |             |         |
|                 | 25               | -7.75               |             |         |
|                 | 30               | -2.6                |             |         |
|                 | 40               | -3.15               |             |         |
|                 | 50               | -8.78               |             |         |
| 4.45            | 25               | -5.64               |             |         |
| 3.4             | 25               | -6.31               |             |         |

LTE Band 12 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>707.5 MHz    |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -9.44               | ±1768.75    | Pass    |
|                 | -20              | -5.01               |             |         |
|                 | -10              | -7.04               |             |         |
|                 | 0                | -5.44               |             |         |
|                 | 10               | -5.14               |             |         |
|                 | 20               | -0.41               |             |         |
|                 | 25               | -7.85               |             |         |
|                 | 30               | -7.64               |             |         |
|                 | 40               | -7.85               |             |         |
|                 | 50               | -3.92               |             |         |
| 4.45            | 25               | -4.16               |             |         |
| 3.4             | 25               | -3.65               |             |         |

LTE Band 12 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>707.5 MHz    |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -5.51               | ±1768.75    | Pass    |
|                 | -20              | -6.01               |             |         |
|                 | -10              | -4.95               |             |         |
|                 | 0                | -1.76               |             |         |
|                 | 10               | -2.76               |             |         |
|                 | 20               | -0.92               |             |         |
|                 | 25               | -6.35               |             |         |
|                 | 30               | -7.91               |             |         |
|                 | 40               | -5.29               |             |         |
|                 | 50               | -5.69               |             |         |
| 4.45            | 25               | -6.97               |             |         |
| 3.4             | 25               | -4.52               |             |         |

LTE Band 13 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>782 MHz      |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.8             | -30              | -8.44               | ±1955       | Pass    |
|                 | -20              | -8.3                |             |         |
|                 | -10              | -9.14               |             |         |
|                 | 0                | -8.75               |             |         |
|                 | 10               | -5.42               |             |         |
|                 | 20               | -7.93               |             |         |
|                 | 25               | -7.01               |             |         |
|                 | 30               | -5.31               |             |         |
|                 | 40               | -6.25               |             |         |
|                 | 50               | -6.52               |             |         |
| 4.45            | 25               | -6.38               |             |         |
| 3.4             | 25               | -7.45               |             |         |

LTE Band 13 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>782 MHz      |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.8             | -30              | -6.47               | ±1955       | Pass    |
|                 | -20              | -5.84               |             |         |
|                 | -10              | -7.88               |             |         |
|                 | 0                | -10.2               |             |         |
|                 | 10               | -7.54               |             |         |
|                 | 20               | -6.94               |             |         |
|                 | 25               | -6.44               |             |         |
|                 | 30               | -7.24               |             |         |
|                 | 40               | -8.88               |             |         |
|                 | 50               | -5.88               |             |         |
| 4.45            | 25               | -3.49               |             |         |
| 3.4             | 25               | -3.72               |             |         |

LTE Band 17 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>710 MHz      |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -3.91               | ±1775       | Pass    |
|                 | -20              | -4.65               |             |         |
|                 | -10              | -3.63               |             |         |
|                 | 0                | -6.25               |             |         |
|                 | 10               | -10.53              |             |         |
|                 | 20               | -9.8                |             |         |
|                 | 25               | -5.05               |             |         |
|                 | 30               | -4.69               |             |         |
|                 | 40               | -7.25               |             |         |
|                 | 50               | -4.73               |             |         |
| 4.45            | 25               | -5.24               | ±1775       | Pass    |
| 3.4             | 25               | -3.26               |             |         |

LTE Band 17 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>710 MHz      |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -4.46               | ±1775       | Pass    |
|                 | -20              | -3.73               |             |         |
|                 | -10              | -2.98               |             |         |
|                 | 0                | -9.06               |             |         |
|                 | 10               | -11.49              |             |         |
|                 | 20               | -7.81               |             |         |
|                 | 25               | -6.77               |             |         |
|                 | 30               | -3.09               |             |         |
|                 | 40               | -4.61               |             |         |
|                 | 50               | -4.16               |             |         |
| 4.45            | 25               | -3.83               | ±1775       | Pass    |
| 3.4             | 25               | -1.89               |             |         |

LTE Band 25 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1882.5 MHz   |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.8             | -30              | -6.42               | ±4706.25    | Pass    |
|                 | -20              | -3.29               |             |         |
|                 | -10              | -2.16               |             |         |
|                 | 0                | -6.14               |             |         |
|                 | 10               | -2.39               |             |         |
|                 | 20               | -3.2                |             |         |
|                 | 25               | -2.99               |             |         |
|                 | 30               | -4.72               |             |         |
|                 | 40               | -5.25               |             |         |
|                 | 50               | -7.1                |             |         |
| 4.45            | 25               | -2.49               |             |         |
| 3.4             | 25               | -4.58               |             |         |

LTE Band 25 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1882.5 MHz   |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.8             | -30              | -7.41               | ±4706.25    | Pass    |
|                 | -20              | -6.95               |             |         |
|                 | -10              | -2.7                |             |         |
|                 | 0                | -4.41               |             |         |
|                 | 10               | -1.69               |             |         |
|                 | 20               | -6.51               |             |         |
|                 | 25               | -2.19               |             |         |
|                 | 30               | -3.3                |             |         |
|                 | 40               | -3.76               |             |         |
|                 | 50               | -0.8                |             |         |
| 4.45            | 25               | -5.99               |             |         |
| 3.4             | 25               | -2.7                |             |         |

LTE Band 26 (Part90) QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>819 MHz      |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -5.56               | ±2047.5     | Pass    |
|                 | -20              | -7.12               |             |         |
|                 | -10              | -3.36               |             |         |
|                 | 0                | -3.49               |             |         |
|                 | 10               | -6.75               |             |         |
|                 | 20               | -10.79              |             |         |
|                 | 25               | -2.29               |             |         |
|                 | 30               | -4.85               |             |         |
|                 | 40               | -5.15               |             |         |
|                 | 50               | -8.31               |             |         |
| 4.45            | 25               | -3.1                |             |         |
| 3.4             | 25               | -2.62               |             |         |

LTE Band 26 (Part90) 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>819 MHz      |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -6.07               | ±2047.5     | Pass    |
|                 | -20              | -6.69               |             |         |
|                 | -10              | -1.13               |             |         |
|                 | 0                | -3.93               |             |         |
|                 | 10               | -6.88               |             |         |
|                 | 20               | -9.6                |             |         |
|                 | 25               | -0.84               |             |         |
|                 | 30               | -4.61               |             |         |
|                 | 40               | -5.42               |             |         |
|                 | 50               | -9.23               |             |         |
| 4.45            | 25               | -3.46               |             |         |
| 3.4             | 25               | -4.94               |             |         |

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) |         |
| 3.8             | -30              | -6.25               | ±2091.25    | Pass    |
|                 | -20              | -6.92               |             |         |
|                 | -10              | -4.69               |             |         |
|                 | 0                | -3.08               |             |         |
|                 | 10               | -4.63               |             |         |
|                 | 20               | -3.58               |             |         |
|                 | 25               | -1.27               |             |         |
|                 | 30               | -2.72               |             |         |
|                 | 40               | -8.45               |             |         |
|                 | 50               | -7.34               |             |         |
| 4.45            | 25               | -7.6                |             |         |
| 3.4             | 25               | -6.55               |             |         |

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) |         |
| 3.8             | -30              | -6.79               | ±2091.25    | Pass    |
|                 | -20              | -7.71               |             |         |
|                 | -10              | -6.29               |             |         |
|                 | 0                | -5.79               |             |         |
|                 | 10               | -4.21               |             |         |
|                 | 20               | -3.81               |             |         |
|                 | 25               | -0.49               |             |         |
|                 | 30               | -4.38               |             |         |
|                 | 40               | -9.98               |             |         |
|                 | 50               | -8.74               |             |         |
| 4.45            | 25               | -7.61               |             |         |
| 3.4             | 25               | -5.65               |             |         |

LTE Band 38 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2595 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -7.41               | ±6487.5     | Pass    |
|                 | -20              | -1.62               |             |         |
|                 | -10              | -5.41               |             |         |
|                 | 0                | -9.83               |             |         |
|                 | 10               | -5.55               |             |         |
|                 | 20               | -7.24               |             |         |
|                 | 25               | -4.16               |             |         |
|                 | 30               | -4.13               |             |         |
|                 | 40               | -9.68               |             |         |
|                 | 50               | -3.65               |             |         |
| 4.45            | 25               | -3.96               |             |         |
| 3.4             | 25               | -11.49              |             |         |

LTE Band 38 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2595 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -11                 | ±6487.5     | Pass    |
|                 | -20              | -4.13               |             |         |
|                 | -10              | -10.86              |             |         |
|                 | 0                | -5.91               |             |         |
|                 | 10               | -6.51               |             |         |
|                 | 20               | -2.83               |             |         |
|                 | 25               | -9.24               |             |         |
|                 | 30               | -6.71               |             |         |
|                 | 40               | -14.18              |             |         |
|                 | 50               | -5.09               |             |         |
| 4.45            | 25               | -4.19               |             |         |
| 3.4             | 25               | -11.04              |             |         |

LTE Band 41 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2595MHz      |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -4.76               | ±6487.5     | Pass    |
|                 | -20              | -10.44              |             |         |
|                 | -10              | -11.77              |             |         |
|                 | 0                | -11.1               |             |         |
|                 | 10               | -9.84               |             |         |
|                 | 20               | -9.5                |             |         |
|                 | 25               | -9.61               |             |         |
|                 | 30               | -12.96              |             |         |
|                 | 40               | -10.3               |             |         |
|                 | 50               | -10.97              |             |         |
| 4.45            | 25               | -10.49              |             |         |
| 3.4             | 25               | -7.48               |             |         |

LTE Band 41 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2595 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -16.09              | ±6487.5     | Pass    |
|                 | -20              | -10.86              |             |         |
|                 | -10              | -13.66              |             |         |
|                 | 0                | -11.27              |             |         |
|                 | 10               | -11.74              |             |         |
|                 | 20               | -8.24               |             |         |
|                 | 25               | -9.61               |             |         |
|                 | 30               | -9.78               |             |         |
|                 | 40               | -10.36              |             |         |
|                 | 50               | -10.63              |             |         |
| 4.45            | 25               | -8.13               |             |         |
| 3.4             | 25               | -9.41               |             |         |

LTE Band 66 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1745 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -5.01               | ±4362.5     | Pass    |
|                 | -20              | -8.34               |             |         |
|                 | -10              | -6.65               |             |         |
|                 | 0                | -7.58               |             |         |
|                 | 10               | -3.4                |             |         |
|                 | 20               | -8.08               |             |         |
|                 | 25               | -3.28               |             |         |
|                 | 30               | -3                  |             |         |
|                 | 40               | -1.54               |             |         |
|                 | 50               | -4.02               |             |         |
| 4.45            | 25               | -2.07               |             |         |
| 3.4             | 25               | -5.29               |             |         |

LTE Band 66 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1745 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -8.9                | ±4362.5     | Pass    |
|                 | -20              | -6.34               |             |         |
|                 | -10              | -4.51               |             |         |
|                 | 0                | -4.65               |             |         |
|                 | 10               | -7.64               |             |         |
|                 | 20               | -1.03               |             |         |
|                 | 25               | -5.38               |             |         |
|                 | 30               | -2.39               |             |         |
|                 | 40               | -5.46               |             |         |
|                 | 50               | -2.99               |             |         |
| 4.45            | 25               | -2.98               |             |         |
| 3.4             | 25               | -1.4                |             |         |

LTE Band 71 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>680.5 MHz    |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.8             | -30              | -7.28               | ±1701.25    | Pass    |
|                 | -20              | -5.97               |             |         |
|                 | -10              | -8.18               |             |         |
|                 | 0                | -9.77               |             |         |
|                 | 10               | -9.97               |             |         |
|                 | 20               | -4.23               |             |         |
|                 | 25               | -8.58               |             |         |
|                 | 30               | -9.08               |             |         |
|                 | 40               | -9.91               |             |         |
|                 | 50               | -5.21               |             |         |
| 4.45            | 25               | -7.67               |             |         |
| 3.4             | 25               | -11.01              |             |         |

LTE Band 71 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>680.5 MHz    |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.8             | -30              | -5.66               | ±1701.25    | Pass    |
|                 | -20              | -5.24               |             |         |
|                 | -10              | -5.75               |             |         |
|                 | 0                | -11.24              |             |         |
|                 | 10               | -2.93               |             |         |
|                 | 20               | -3.42               |             |         |
|                 | 25               | -8.4                |             |         |
|                 | 30               | -12.49              |             |         |
|                 | 40               | -7.98               |             |         |
|                 | 50               | -6.85               |             |         |
| 4.45            | 25               | -10.5               |             |         |
| 3.4             | 25               | -8.37               |             |         |

### A.4.2 Frequency Range

Note 1: Only for relevant requirements of RSS standard.

Note 2: Test plots please refer to the document "Annex No.: BL-SZ24C0923-501 Data Part 3.pdf".

#### GSM Mode Test Verdict

| GSM850         |                     |                    |                |                     |                |                  |
|----------------|---------------------|--------------------|----------------|---------------------|----------------|------------------|
| Test Condition |                     | Left Edge<br>(MHz) | Limit<br>(MHz) | Right Edge<br>(MHz) | Limit<br>(MHz) | Verdict<br>Note2 |
| Power<br>(VDC) | Temperature<br>(°C) |                    |                |                     |                |                  |
| 3.8            | -30                 | 824.0763           | 824            | 848.9310            | 849            | Pass             |
|                | -20                 | 824.0770           |                | 848.9317            |                | Pass             |
|                | -10                 | 824.0750           |                | 848.9317            |                | Pass             |
|                | 0                   | 824.0743           |                | 848.9229            |                | Pass             |
|                | +10                 | 824.0723           |                | 848.9349            |                | Pass             |
|                | +20                 | 824.0750           |                | 848.9327            |                | Pass             |
|                | +25                 | 824.0770           |                | 848.9327            |                | Pass             |
|                | +30                 | 824.0750           |                | 848.9258            |                | Pass             |
|                | +40                 | 824.0763           |                | 848.9288            |                | Pass             |
|                | +50                 | 824.0783           |                | 848.9249            |                | Pass             |
| 4.45           | +25                 | 824.0716           | 824            | 848.9317            | 849            | Pass             |
| 3.4            | +25                 | 824.0756           |                | 848.9232            |                | Pass             |

| GSM1900        |                     |                    |                |                     |                |                  |
|----------------|---------------------|--------------------|----------------|---------------------|----------------|------------------|
| Test Condition |                     | Left Edge<br>(MHz) | Limit<br>(MHz) | Right Edge<br>(MHz) | Limit<br>(MHz) | Verdict<br>Note2 |
| Power<br>(VDC) | Temperature<br>(°C) |                    |                |                     |                |                  |
| 3.8            | -30                 | 1850.0763          | 1850           | 1909.9188           | 1910           | Pass             |
|                | -20                 | 1850.0803          |                | 1909.9230           |                | Pass             |
|                | -10                 | 1850.0723          |                | 1909.9318           |                | Pass             |
|                | 0                   | 1850.0790          |                | 1909.9259           |                | Pass             |
|                | +10                 | 1850.0796          |                | 1909.9210           |                | Pass             |
|                | +20                 | 1850.0757          |                | 1909.9191           |                | Pass             |
|                | +25                 | 1850.0782          |                | 1909.9252           |                | Pass             |
|                | +30                 | 1850.0743          |                | 1909.9271           |                | Pass             |
|                | +40                 | 1850.0757          |                | 1909.9225           |                | Pass             |
|                | +50                 | 1850.0750          |                | 1909.9254           |                | Pass             |
| 4.45           | +25                 | 1850.0769          | 1850           | 1909.9259           | 1910           | Pass             |
| 3.4            | +25                 | 1850.0723          |                | 1909.9291           |                | Pass             |

| GPRS850        |                     |                    |                |                     |                |                  |
|----------------|---------------------|--------------------|----------------|---------------------|----------------|------------------|
| Test Condition |                     | Left Edge<br>(MHz) | Limit<br>(MHz) | Right Edge<br>(MHz) | Limit<br>(MHz) | Verdict<br>Note2 |
| Power<br>(VDC) | Temperature<br>(°C) |                    |                |                     |                |                  |
| 3.8            | -30                 | 824.0790           | 824            | 848.9254            | 849            | Pass             |
|                | -20                 | 824.0770           |                | 848.9227            |                | Pass             |
|                | -10                 | 824.0770           |                | 848.9207            |                | Pass             |
|                | 0                   | 824.0729           |                | 848.9234            |                | Pass             |
|                | +10                 | 824.0783           |                | 848.9200            |                | Pass             |
|                | +20                 | 824.0770           |                | 848.9236            |                | Pass             |
|                | +25                 | 824.0797           |                | 848.9214            |                | Pass             |
|                | +30                 | 824.0690           |                | 848.9236            |                | Pass             |
|                | +40                 | 824.0743           |                | 848.9217            |                | Pass             |
|                | +50                 | 824.0723           |                | 848.9217            |                | Pass             |
| 4.45           | +25                 | 824.0723           | 824            | 848.9214            | 849            | Pass             |
| 3.4            | +25                 | 824.0776           |                | 848.9254            |                | Pass             |

| GPRS1900       |                     |                    |                |                     |                |                  |
|----------------|---------------------|--------------------|----------------|---------------------|----------------|------------------|
| Test Condition |                     | Left Edge<br>(MHz) | Limit<br>(MHz) | Right Edge<br>(MHz) | Limit<br>(MHz) | Verdict<br>Note2 |
| Power<br>(VDC) | Temperature<br>(°C) |                    |                |                     |                |                  |
| 3.8            | -30                 | 1850.0769          | 1850           | 1909.9183           | 1910           | Pass             |
|                | -20                 | 1850.0769          |                | 1909.9227           |                | Pass             |
|                | -10                 | 1850.0790          |                | 1909.9191           |                | Pass             |
|                | 0                   | 1850.0769          |                | 1909.9203           |                | Pass             |
|                | +10                 | 1850.0769          |                | 1909.9220           |                | Pass             |
|                | +20                 | 1850.0790          |                | 1909.9210           |                | Pass             |
|                | +25                 | 1850.0743          |                | 1909.9222           |                | Pass             |
|                | +30                 | 1850.0757          |                | 1909.9220           |                | Pass             |
|                | +40                 | 1850.0796          |                | 1909.9240           |                | Pass             |
|                | +50                 | 1850.0790          |                | 1909.9210           |                | Pass             |
| 4.45           | +25                 | 1850.0763          | 1850           | 1909.9232           | 1910           | Pass             |
| 3.4            | +25                 | 1850.0790          |                | 1909.9218           |                | Pass             |

## WCDMA Mode Test Verdict

| WCDMA B2       |                     |                    |                |                     |                |                  |
|----------------|---------------------|--------------------|----------------|---------------------|----------------|------------------|
| Test Condition |                     | Left Edge<br>(MHz) | Limit<br>(MHz) | Right Edge<br>(MHz) | Limit<br>(MHz) | Verdict<br>Note2 |
| Power<br>(VDC) | Temperature<br>(°C) |                    |                |                     |                |                  |
| 3.8            | -30                 | 1850.3031          | 1850           | 1909.6868           | 1910           | Pass             |
|                | -20                 | 1850.3081          |                | 1909.6969           |                | Pass             |
|                | -10                 | 1850.3081          |                | 1909.6868           |                | Pass             |
|                | 0                   | 1850.3031          |                | 1909.6919           |                | Pass             |
|                | +10                 | 1850.3031          |                | 1909.6969           |                | Pass             |
|                | +20                 | 1850.3081          |                | 1909.6919           |                | Pass             |
|                | +25                 | 1850.3081          |                | 1909.6919           |                | Pass             |
|                | +30                 | 1850.3031          |                | 1909.6919           |                | Pass             |
|                | +40                 | 1850.3031          |                | 1909.6868           |                | Pass             |
|                | +50                 | 1850.3031          |                | 1909.6919           |                | Pass             |
| 4.45           | +25                 | 1850.3031          |                | 1909.6919           |                | Pass             |
| 3.4            | +25                 | 1850.3081          |                | 1909.6919           |                | Pass             |

| WCDMA B4       |                     |                    |                |                     |                |                  |
|----------------|---------------------|--------------------|----------------|---------------------|----------------|------------------|
| Test Condition |                     | Left Edge<br>(MHz) | Limit<br>(MHz) | Right Edge<br>(MHz) | Limit<br>(MHz) | Verdict<br>Note2 |
| Power<br>(VDC) | Temperature<br>(°C) |                    |                |                     |                |                  |
| 3.8            | -30                 | 1710.3081          | 1710           | 1754.6868           | 1755           | Pass             |
|                | -20                 | 1710.3031          |                | 1754.6868           |                | Pass             |
|                | -10                 | 1710.3031          |                | 1754.6868           |                | Pass             |
|                | 0                   | 1710.3031          |                | 1754.6919           |                | Pass             |
|                | +10                 | 1710.3031          |                | 1754.6919           |                | Pass             |
|                | +20                 | 1710.3031          |                | 1754.6868           |                | Pass             |
|                | +25                 | 1710.3081          |                | 1754.6868           |                | Pass             |
|                | +30                 | 1710.3031          |                | 1754.6868           |                | Pass             |
|                | +40                 | 1710.3031          |                | 1754.6868           |                | Pass             |
|                | +50                 | 1710.3031          |                | 1754.6868           |                | Pass             |
| 4.45           | +25                 | 1710.3081          |                | 1754.6868           |                | Pass             |
| 3.4            | +25                 | 1710.3031          |                | 1754.6868           |                | Pass             |

| WCDMA B5       |                     |                    |                |                     |                |                  |
|----------------|---------------------|--------------------|----------------|---------------------|----------------|------------------|
| Test Condition |                     | Left Edge<br>(MHz) | Limit<br>(MHz) | Right Edge<br>(MHz) | Limit<br>(MHz) | Verdict<br>Note2 |
| Power<br>(VDC) | Temperature<br>(°C) |                    |                |                     |                |                  |
| 3.8            | -30                 | 824.3030           | 824            | 848.6765            | 849            | Pass             |
|                | -20                 | 824.3030           |                | 848.6765            |                | Pass             |
|                | -10                 | 824.3030           |                | 848.6816            |                | Pass             |
|                | 0                   | 824.2980           |                | 848.6765            |                | Pass             |
|                | +10                 | 824.3030           |                | 848.6816            |                | Pass             |
|                | +20                 | 824.3030           |                | 848.6765            |                | Pass             |
|                | +25                 | 824.2980           |                | 848.6765            |                | Pass             |
|                | +30                 | 824.3030           |                | 848.6765            |                | Pass             |
|                | +40                 | 824.3030           |                | 848.6816            |                | Pass             |
|                | +50                 | 824.2980           |                | 848.6816            |                | Pass             |
| 4.45           | +25                 | 824.2980           | 824            | 848.6765            | 849            | Pass             |
| 3.4            | +25                 | 824.3030           |                | 848.6816            |                | Pass             |

## LTE Mode Test Verdict

| LTE B2         |                     |                    |                |                     |                |                  |
|----------------|---------------------|--------------------|----------------|---------------------|----------------|------------------|
| Test Condition |                     | Left Edge<br>(MHz) | Limit<br>(MHz) | Right Edge<br>(MHz) | Limit<br>(MHz) | Verdict<br>Note2 |
| Power<br>(VDC) | Temperature<br>(°C) |                    |                |                     |                |                  |
| 3.8            | -30                 | 1850.5400          | 1850           | 1909.4600           | 1910           | Pass             |
|                | -20                 | 1850.5400          |                | 1909.4600           |                | Pass             |
|                | -10                 | 1850.5400          |                | 1909.4600           |                | Pass             |
|                | 0                   | 1850.5400          |                | 1909.4600           |                | Pass             |
|                | +10                 | 1850.5400          |                | 1909.4600           |                | Pass             |
|                | +20                 | 1850.5400          |                | 1909.4600           |                | Pass             |
|                | +25                 | 1850.5400          |                | 1909.4600           |                | Pass             |
|                | +30                 | 1850.5400          |                | 1909.4600           |                | Pass             |
|                | +40                 | 1850.5400          |                | 1909.4600           |                | Pass             |
|                | +50                 | 1850.5400          |                | 1909.4600           |                | Pass             |
| 4.45           | +25                 | 1850.5400          |                | 1909.4600           |                | Pass             |
| 3.4            | +25                 | 1850.5400          |                | 1909.4600           |                | Pass             |

| LTE B4         |                     |                    |                |                     |                |                  |
|----------------|---------------------|--------------------|----------------|---------------------|----------------|------------------|
| Test Condition |                     | Left Edge<br>(MHz) | Limit<br>(MHz) | Right Edge<br>(MHz) | Limit<br>(MHz) | Verdict<br>Note2 |
| Power<br>(VDC) | Temperature<br>(°C) |                    |                |                     |                |                  |
| 3.8            | -30                 | 1710.5400          | 1710           | 1754.4600           | 1755           | Pass             |
|                | -20                 | 1710.5400          |                | 1754.4600           |                | Pass             |
|                | -10                 | 1710.5300          |                | 1754.4600           |                | Pass             |
|                | 0                   | 1710.5400          |                | 1754.4600           |                | Pass             |
|                | +10                 | 1710.5300          |                | 1754.4600           |                | Pass             |
|                | +20                 | 1710.5400          |                | 1754.4600           |                | Pass             |
|                | +25                 | 1710.5300          |                | 1754.4600           |                | Pass             |
|                | +30                 | 1710.5300          |                | 1754.4600           |                | Pass             |
|                | +40                 | 1710.5300          |                | 1754.4600           |                | Pass             |
|                | +50                 | 1710.5400          |                | 1754.4600           |                | Pass             |
| 4.45           | +25                 | 1710.5400          |                | 1754.4600           |                | Pass             |
| 3.4            | +25                 | 1710.5300          |                | 1754.4600           |                | Pass             |

| LTE B5         |                     |                    |                |                     |                |                  |
|----------------|---------------------|--------------------|----------------|---------------------|----------------|------------------|
| Test Condition |                     | Left Edge<br>(MHz) | Limit<br>(MHz) | Right Edge<br>(MHz) | Limit<br>(MHz) | Verdict<br>Note2 |
| Power<br>(VDC) | Temperature<br>(°C) |                    |                |                     |                |                  |
| 3.8            | -30                 | 824.5300           | 824            | 848.4600            | 849            | Pass             |
|                | -20                 | 824.5300           |                | 848.4600            |                | Pass             |
|                | -10                 | 824.5300           |                | 848.4600            |                | Pass             |
|                | 0                   | 824.5300           |                | 848.4600            |                | Pass             |
|                | +10                 | 824.5300           |                | 848.4600            |                | Pass             |
|                | +20                 | 824.5300           |                | 848.4600            |                | Pass             |
|                | +25                 | 824.5300           |                | 848.4600            |                | Pass             |
|                | +30                 | 824.5300           |                | 848.4600            |                | Pass             |
|                | +40                 | 824.5300           |                | 848.4600            |                | Pass             |
|                | +50                 | 824.5300           |                | 848.4600            |                | Pass             |
| 4.45           | +25                 | 824.5300           |                | 848.4600            |                | Pass             |
| 3.4            | +25                 | 824.5300           |                | 848.4600            |                | Pass             |

| LTE B7         |                     |                    |                |                     |                |                  |
|----------------|---------------------|--------------------|----------------|---------------------|----------------|------------------|
| Test Condition |                     | Left Edge<br>(MHz) | Limit<br>(MHz) | Right Edge<br>(MHz) | Limit<br>(MHz) | Verdict<br>Note2 |
| Power<br>(VDC) | Temperature<br>(°C) |                    |                |                     |                |                  |
| 3.8            | -30                 | 2500.5400          | 2500           | 2569.4700           | 2570           | Pass             |
|                | -20                 | 2500.5400          |                | 2569.4700           |                | Pass             |
|                | -10                 | 2500.5400          |                | 2569.4700           |                | Pass             |
|                | 0                   | 2500.5400          |                | 2569.4700           |                | Pass             |
|                | +10                 | 2500.5400          |                | 2569.4700           |                | Pass             |
|                | +20                 | 2500.5400          |                | 2569.4700           |                | Pass             |
|                | +25                 | 2500.5400          |                | 2569.4700           |                | Pass             |
|                | +30                 | 2500.5400          |                | 2569.4700           |                | Pass             |
|                | +40                 | 2500.5400          |                | 2569.4700           |                | Pass             |
|                | +50                 | 2500.5400          |                | 2569.4700           |                | Pass             |
| 4.45           | +25                 | 2500.5400          |                | 2569.4700           |                | Pass             |
| 3.4            | +25                 | 2500.5400          |                | 2569.4700           |                | Pass             |

| LTE B12        |                     |                    |                |                     |                |                  |
|----------------|---------------------|--------------------|----------------|---------------------|----------------|------------------|
| Test Condition |                     | Left Edge<br>(MHz) | Limit<br>(MHz) | Right Edge<br>(MHz) | Limit<br>(MHz) | Verdict<br>Note2 |
| Power<br>(VDC) | Temperature<br>(°C) |                    |                |                     |                |                  |
| 3.8            | -30                 | 699.5300           | 699            | 715.4700            | 716            | Pass             |
|                | -20                 | 699.5300           |                | 715.4700            |                | Pass             |
|                | -10                 | 699.5300           |                | 715.4700            |                | Pass             |
|                | 0                   | 699.5300           |                | 715.4700            |                | Pass             |
|                | +10                 | 699.5300           |                | 715.4600            |                | Pass             |
|                | +20                 | 699.5300           |                | 715.4700            |                | Pass             |
|                | +25                 | 699.5300           |                | 715.4700            |                | Pass             |
|                | +30                 | 699.5300           |                | 715.4700            |                | Pass             |
|                | +40                 | 699.5300           |                | 715.4700            |                | Pass             |
|                | +50                 | 699.5300           |                | 715.4700            |                | Pass             |
| 4.45           | +25                 | 699.5300           |                | 715.4700            |                | Pass             |
| 3.4            | +25                 | 699.5300           |                | 715.4600            |                | Pass             |

| LTE B13        |                     |                    |                |                     |                |                  |
|----------------|---------------------|--------------------|----------------|---------------------|----------------|------------------|
| Test Condition |                     | Left Edge<br>(MHz) | Limit<br>(MHz) | Right Edge<br>(MHz) | Limit<br>(MHz) | Verdict<br>Note2 |
| Power<br>(VDC) | Temperature<br>(°C) |                    |                |                     |                |                  |
| 3.8            | -30                 | 777.5300           | 777            | 786.4700            | 787            | Pass             |
|                | -20                 | 777.5300           |                | 786.4700            |                | Pass             |
|                | -10                 | 777.5300           |                | 786.4700            |                | Pass             |
|                | 0                   | 777.5300           |                | 786.4700            |                | Pass             |
|                | +10                 | 777.5300           |                | 786.4700            |                | Pass             |
|                | +20                 | 777.5300           |                | 786.4700            |                | Pass             |
|                | +25                 | 777.5300           |                | 786.4700            |                | Pass             |
|                | +30                 | 777.5300           |                | 786.4700            |                | Pass             |
|                | +40                 | 777.5300           |                | 786.4700            |                | Pass             |
|                | +50                 | 777.5300           |                | 786.4700            |                | Pass             |
| 4.45           | +25                 | 777.5300           |                | 786.4700            |                | Pass             |
| 3.4            | +25                 | 777.5300           |                | 786.4700            |                | Pass             |

| LTE B17        |                     |                    |                |                     |                |                  |
|----------------|---------------------|--------------------|----------------|---------------------|----------------|------------------|
| Test Condition |                     | Left Edge<br>(MHz) | Limit<br>(MHz) | Right Edge<br>(MHz) | Limit<br>(MHz) | Verdict<br>Note2 |
| Power<br>(VDC) | Temperature<br>(°C) |                    |                |                     |                |                  |
| 3.8            | -30                 | 704.5300           | 704            | 715.4600            | 716            | Pass             |
|                | -20                 | 704.5300           |                | 715.4600            |                | Pass             |
|                | -10                 | 704.5300           |                | 715.4600            |                | Pass             |
|                | 0                   | 704.5300           |                | 715.4600            |                | Pass             |
|                | +10                 | 704.5300           |                | 715.4600            |                | Pass             |
|                | +20                 | 704.5300           |                | 715.4600            |                | Pass             |
|                | +25                 | 704.5300           |                | 715.4600            |                | Pass             |
|                | +30                 | 704.5300           |                | 715.4600            |                | Pass             |
|                | +40                 | 704.5300           |                | 715.4600            |                | Pass             |
|                | +50                 | 704.5300           |                | 715.4600            |                | Pass             |
| 4.45           | +25                 | 704.5300           |                | 715.4600            |                | Pass             |
| 3.4            | +25                 | 704.5300           |                | 715.4600            |                | Pass             |

| LTE B25        |                     |                    |                |                     |                |                  |
|----------------|---------------------|--------------------|----------------|---------------------|----------------|------------------|
| Test Condition |                     | Left Edge<br>(MHz) | Limit<br>(MHz) | Right Edge<br>(MHz) | Limit<br>(MHz) | Verdict<br>Note2 |
| Power<br>(VDC) | Temperature<br>(°C) |                    |                |                     |                |                  |
| 3.8            | -30                 | 1850.5400          | 1850           | 1914.4600           | 1915           | Pass             |
|                | -20                 | 1850.5400          |                | 1914.4600           |                | Pass             |
|                | -10                 | 1850.5400          |                | 1914.4600           |                | Pass             |
|                | 0                   | 1850.5400          |                | 1914.4600           |                | Pass             |
|                | +10                 | 1850.5400          |                | 1914.4600           |                | Pass             |
|                | +20                 | 1850.5400          |                | 1914.4600           |                | Pass             |
|                | +25                 | 1850.5300          |                | 1914.4600           |                | Pass             |
|                | +30                 | 1850.5400          |                | 1914.4600           |                | Pass             |
|                | +40                 | 1850.5300          |                | 1914.4600           |                | Pass             |
|                | +50                 | 1850.5400          |                | 1914.4600           |                | Pass             |
| 4.45           | +25                 | 1850.5300          |                | 1914.4600           |                | Pass             |
| 3.4            | +25                 | 1850.5300          |                | 1914.4600           |                | Pass             |

| LTE B26        |                     |                    |                |                     |                |                  |
|----------------|---------------------|--------------------|----------------|---------------------|----------------|------------------|
| Test Condition |                     | Left Edge<br>(MHz) | Limit<br>(MHz) | Right Edge<br>(MHz) | Limit<br>(MHz) | Verdict<br>Note2 |
| Power<br>(VDC) | Temperature<br>(°C) |                    |                |                     |                |                  |
| 3.8            | -30                 | 824.5300           | 824            | 848.4500            | 849            | Pass             |
|                | -20                 | 824.5300           |                | 848.4500            |                | Pass             |
|                | -10                 | 824.5300           |                | 848.4500            |                | Pass             |
|                | 0                   | 824.5300           |                | 848.4500            |                | Pass             |
|                | +10                 | 824.5300           |                | 848.4500            |                | Pass             |
|                | +20                 | 824.5300           |                | 848.4500            |                | Pass             |
|                | +25                 | 824.5300           |                | 848.4500            |                | Pass             |
|                | +30                 | 824.5300           |                | 848.4500            |                | Pass             |
|                | +40                 | 824.5300           |                | 848.4500            |                | Pass             |
|                | +50                 | 824.5300           |                | 848.4500            |                | Pass             |
| 4.45           | +25                 | 824.5300           | 824            | 848.4500            | 849            | Pass             |
| 3.4            | +25                 | 824.5300           |                | 848.4500            |                | Pass             |

| LTE B38        |                     |                    |                |                     |                |                  |
|----------------|---------------------|--------------------|----------------|---------------------|----------------|------------------|
| Test Condition |                     | Left Edge<br>(MHz) | Limit<br>(MHz) | Right Edge<br>(MHz) | Limit<br>(MHz) | Verdict<br>Note2 |
| Power<br>(VDC) | Temperature<br>(°C) |                    |                |                     |                |                  |
| 3.8            | -30                 | 2570.530029        | 2570           | 2619.459961         | 2620           | Pass             |
|                | -20                 | 2570.530029        |                | 2619.459961         |                | Pass             |
|                | -10                 | 2570.530029        |                | 2619.459961         |                | Pass             |
|                | 0                   | 2570.530029        |                | 2619.459961         |                | Pass             |
|                | +10                 | 2570.530029        |                | 2619.459961         |                | Pass             |
|                | +20                 | 2570.530029        |                | 2619.459961         |                | Pass             |
|                | +25                 | 2570.530029        |                | 2619.469971         |                | Pass             |
|                | +30                 | 2570.530029        |                | 2619.459961         |                | Pass             |
|                | +40                 | 2570.530029        |                | 2619.459961         |                | Pass             |
|                | +50                 | 2570.530029        |                | 2619.459961         |                | Pass             |
| 4.45           | +25                 | 2570.530029        | 2570           | 2619.459961         | 2620           | Pass             |
| 3.4            | +25                 | 2570.530029        |                | 2619.459961         |                | Pass             |

| LTE B41        |                     |                    |                |                     |                |                  |
|----------------|---------------------|--------------------|----------------|---------------------|----------------|------------------|
| Test Condition |                     | Left Edge<br>(MHz) | Limit<br>(MHz) | Right Edge<br>(MHz) | Limit<br>(MHz) | Verdict<br>Note2 |
| Power<br>(VDC) | Temperature<br>(°C) |                    |                |                     |                |                  |
| 3.8            | -30                 | 2535.530029        | 2535           | 2654.469971         | 2655           | Pass             |
|                | -20                 | 2535.540039        |                | 2654.459961         |                | Pass             |
|                | -10                 | 2535.530029        |                | 2654.459961         |                | Pass             |
|                | 0                   | 2535.540039        |                | 2654.459961         |                | Pass             |
|                | +10                 | 2535.540039        |                | 2654.459961         |                | Pass             |
|                | +20                 | 2535.530029        |                | 2654.459961         |                | Pass             |
|                | +25                 | 2535.530029        |                | 2654.469971         |                | Pass             |
|                | +30                 | 2535.530029        |                | 2654.459961         |                | Pass             |
|                | +40                 | 2535.530029        |                | 2654.459961         |                | Pass             |
|                | +50                 | 2535.540039        |                | 2654.459961         |                | Pass             |
| 4.45           | +25                 | 2535.540039        | 2535           | 2654.459961         | 2655           | Pass             |
| 3.4            | +25                 | 2535.530029        |                | 2654.459961         |                | Pass             |

| LTE B66        |                     |                    |                |                     |                |                  |
|----------------|---------------------|--------------------|----------------|---------------------|----------------|------------------|
| Test Condition |                     | Left Edge<br>(MHz) | Limit<br>(MHz) | Right Edge<br>(MHz) | Limit<br>(MHz) | Verdict<br>Note2 |
| Power<br>(VDC) | Temperature<br>(°C) |                    |                |                     |                |                  |
| 3.8            | -30                 | 1710.540039        | 1710           | 1779.459961         | 1780           | Pass             |
|                | -20                 | 1710.530029        |                | 1779.459961         |                | Pass             |
|                | -10                 | 1710.530029        |                | 1779.459961         |                | Pass             |
|                | 0                   | 1710.540039        |                | 1779.459961         |                | Pass             |
|                | +10                 | 1710.530029        |                | 1779.459961         |                | Pass             |
|                | +20                 | 1710.540039        |                | 1779.459961         |                | Pass             |
|                | +25                 | 1710.530029        |                | 1779.459961         |                | Pass             |
|                | +30                 | 1710.540039        |                | 1779.459961         |                | Pass             |
|                | +40                 | 1710.540039        |                | 1779.459961         |                | Pass             |
|                | +50                 | 1710.540039        |                | 1779.459961         |                | Pass             |
| 4.45           | +25                 | 1710.530029        | 1710           | 1779.459961         | 1780           | Pass             |
| 3.4            | +25                 | 1710.530029        |                | 1779.459961         |                | Pass             |

| LTE B71        |                     |                    |                |                     |                |                  |
|----------------|---------------------|--------------------|----------------|---------------------|----------------|------------------|
| Test Condition |                     | Left Edge<br>(MHz) | Limit<br>(MHz) | Right Edge<br>(MHz) | Limit<br>(MHz) | Verdict<br>Note2 |
| Power<br>(VDC) | Temperature<br>(°C) |                    |                |                     |                |                  |
| 3.8            | -30                 | 663.530029         | 663            | 697.460022          | 698            | Pass             |
|                | -20                 | 663.530029         |                | 697.460022          |                | Pass             |
|                | -10                 | 663.530029         |                | 697.460022          |                | Pass             |
|                | 0                   | 663.530029         |                | 697.460022          |                | Pass             |
|                | +10                 | 663.530029         |                | 697.460022          |                | Pass             |
|                | +20                 | 663.530029         |                | 697.460022          |                | Pass             |
|                | +25                 | 663.530029         |                | 697.460022          |                | Pass             |
|                | +30                 | 663.530029         |                | 697.460022          |                | Pass             |
|                | +40                 | 663.530029         |                | 697.460022          |                | Pass             |
|                | +50                 | 663.530029         |                | 697.460022          |                | Pass             |
| 4.45           | +25                 | 663.530029         | 663            | 697.460022          | 698            | Pass             |
| 3.4            | +25                 | 663.530029         |                | 697.460022          |                | Pass             |

## 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-SZ24C0923-501 Data Part 4.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 <sup>Note3</sup> |
|--------------|--------------|--------------------------|
| GSM 850      | LCH          | Pass                     |
|              | MCH          | Pass                     |
|              | HCH          | Pass                     |
| GSM 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<br>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<br>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<br>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<br>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<br>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<br>Note3 |
|-----------|----------------|--------------|-----------|-----------------------|------------------|
| Band 13   | 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             |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict<br>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<br>Note3 |
|-----------|----------------|--------------|-----------|-----------------------|------------------|
| Band 25   | 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             |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict<br>Note3 |
|-----------|----------------|--------------|-----------|-----------------------|------------------|
|           |                | MCH          | 16-QAM    | RB1#0                 | Pass             |
|           |                |              | QPSK      | RB1#0                 | Pass             |
|           |                | HCH          | 16-QAM    | RB1#0                 | Pass             |
|           |                |              | QPSK      | RB1#0                 | Pass             |
|           |                |              | 16-QAM    | RB1#0                 | Pass             |
|           |                |              | QPSK      | 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<br>Note3 |
|---------------------|----------------|--------------|-----------|-----------------------|------------------|
| Band 26<br>(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<br>Note3 |
|---------------------|----------------|--------------|-----------|-----------------------|------------------|
| Band 26<br>(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<br>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<br>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<br>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             |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict<br>Note3 |
|-----------|----------------|--------------|-----------|-----------------------|------------------|
| Band 71   | 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-SZ24C0923-501 Data Part 5.pdf”.

### GSM and WCDMA Mode Test Verdict

| Test Band    | Test Channel | Verdict<br>Note1 |
|--------------|--------------|------------------|
| GSM 850      | LCH          | Pass             |
|              | HCH          | Pass             |
| GSM 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<br>(Size#Offset) | Verdict<br>Note1 |
|-----------|----------------|--------------|-----------|--------------------------|------------------|
| Band 2    | 1.4 MHz        | LCH          | QPSK      | RB1#0                    | Pass             |
|           |                |              |           | RB6#0                    | Pass             |
|           |                | HCH          | 16-QAM    | RB1#0                    | Pass             |
|           |                |              |           | RB6#0                    | Pass             |
|           |                |              | QPSK      | RB1#5                    | Pass             |
|           |                |              |           | RB6#0                    | Pass             |
|           | 3 MHz          | LCH          | 16-QAM    | RB1#5                    | Pass             |
|           |                |              |           | RB6#0                    | Pass             |
|           |                |              | QPSK      | RB1#0                    | Pass             |
|           |                |              |           | RB15#0                   | Pass             |
|           |                | HCH          | 16-QAM    | RB1#0                    | Pass             |
|           |                |              |           | RB15#0                   | Pass             |
|           |                |              | QPSK      | RB1#14                   | Pass             |
|           |                |              |           | RB15#0                   | Pass             |
|           | 5 MHz          | LCH          | 16-QAM    | RB1#14                   | Pass             |
|           |                |              |           | RB15#0                   | Pass             |
|           |                |              | QPSK      | RB1#0                    | Pass             |
|           |                |              |           | RB25#0                   | Pass             |
|           |                | HCH          | 16-QAM    | RB1#0                    | Pass             |
|           |                |              |           | RB25#0                   | Pass             |
|           |                | QPSK         | QPSK      | RB1#24                   | Pass             |
|           |                |              |           | RB25#0                   | Pass             |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict<br>Note1 |
|-----------|----------------|--------------|-----------|-----------------------|------------------|
|           |                |              | 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<br>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             |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict<br>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<br>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<br>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<br>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<br>Note1 |
|-----------|----------------|--------------|-----------|-----------------------|------------------|
| Band 13   | 5 MHz          | LCH          | QPSK      | RB1#0                 | Pass             |
|           |                |              |           | RB25#0                | Pass             |
|           |                | HCH          | QPSK      | RB1#0                 | Pass             |
|           |                |              |           | RB25#0                | Pass             |
|           |                |              | 16-QAM    | RB1#24                | Pass             |
|           |                |              |           | RB25#0                | Pass             |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | Pass             |
|           |                |              |           | RB50#0                | Pass             |
|           |                | HCH          | QPSK      | RB1#0                 | 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<br>Note1 |
|-----------|----------------|--------------|-----------|-----------------------|------------------|
| Band 17   | 5 MHz          | LCH          | QPSK      | RB1#0                 | Pass             |
|           |                |              |           | RB25#0                | Pass             |
|           |                | HCH          | QPSK      | RB1#0                 | Pass             |
|           |                |              |           | RB25#0                | Pass             |
|           |                |              | 16-QAM    | RB1#24                | Pass             |
|           |                |              |           | RB25#0                | Pass             |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | Pass             |
|           |                |              |           | RB50#0                | Pass             |
|           |                | HCH          | QPSK      | RB1#0                 | 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<br>Note1 |
|-----------|----------------|--------------|-----------|-----------------------|------------------|
| Band 25   | 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<br>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<br>Note1 |
|---------------------|----------------|--------------|-----------|-----------------------|------------------|
| Band 26<br>(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             |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict<br>Note1 |
|-----------|----------------|--------------|-----------|-----------------------|------------------|
|           |                |              | 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             |
|           |                |              |           | RB100#0               | Pass             |

| Test Band           | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict<br>Note1 |
|---------------------|----------------|--------------|-----------|-----------------------|------------------|
| Band 26<br>(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             |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict<br>Note1 |
|-----------|----------------|--------------|-----------|-----------------------|------------------|
|           |                | HCH          |           | RB50#0                | Pass             |
|           |                |              |           | RB1#49                | Pass             |
|           |                |              | QPSK      | RB50#0                | Pass             |
|           |                |              |           | RB1#49                | Pass             |
|           |                |              |           | RB50#0                | Pass             |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict<br>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<br>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<br>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<br>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<br>Note1 |
|-----------|----------------|--------------|-----------|-----------------------|------------------|
| Band 71   | 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             |

## 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-SZ24C0923-501 Data Part 6.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 <sup>Note3</sup> |
|--------------|--------------|--------------------------|
| GSM 850      | LCH          | Pass                     |
|              | MCH          | Pass                     |
|              | HCH          | Pass                     |
| GSM 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

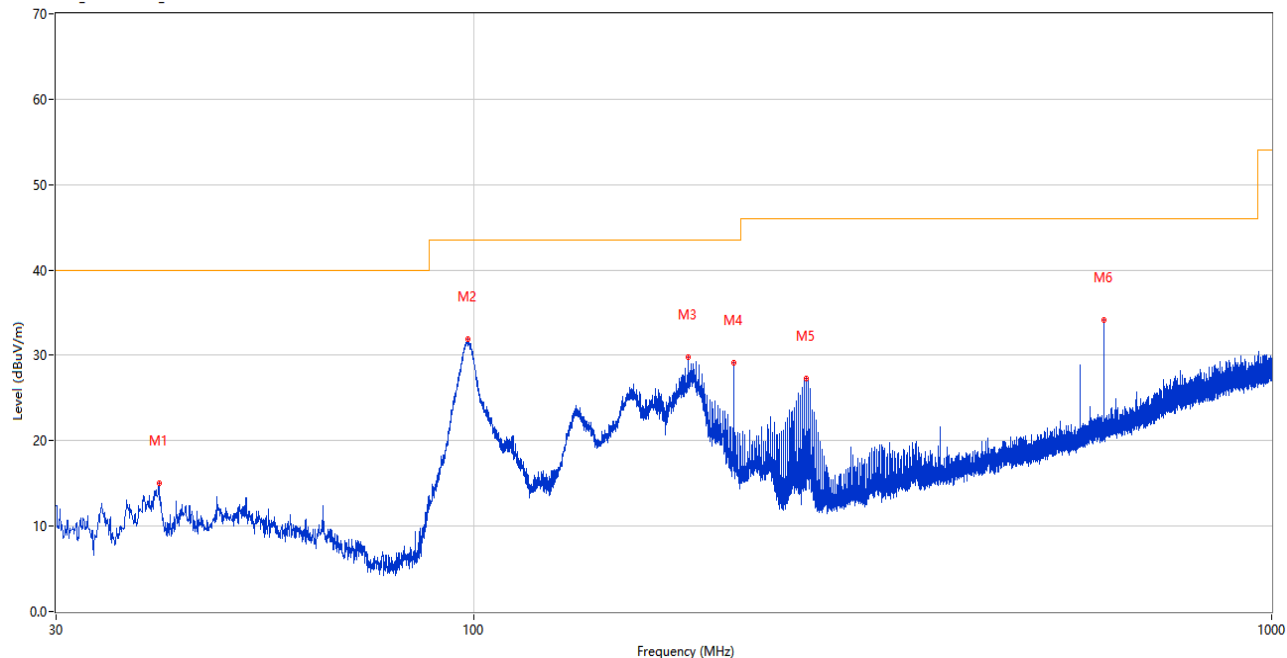
| Test Band       | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict<br>Note3 |
|-----------------|----------------|--------------|-----------|-----------------------|------------------|
| Band 2          | 20 MHz         | LCH          | QPSK      | RB1#0                 | Pass             |
| Band 4          | 1.4 MHz        | MCH          | QPSK      | RB1#0                 | Pass             |
| Band 5          | 1.4 MHz        | MCH          | QPSK      | RB1#0                 | Pass             |
| Band 7          | 20 MHz         | LCH          | QPSK      | RB1#0                 | Pass             |
| Band 12         | 10 MHz         | HCH          | QPSK      | RB1#0                 | Pass             |
| Band 13         | 10 MHz         | MCH          | QPSK      | RB1#0                 | Pass             |
| Band 17         | 10 MHz         | HCH          | QPSK      | RB1#0                 | Pass             |
| Band 25         | 10 MHz         | LCH          | QPSK      | RB1#0                 | Pass             |
| Band 26(Part22) | 1.4 MHz        | MCH          | QPSK      | RB1#0                 | Pass             |
| Band 26(Part90) | 1.4 MHz        | HCH          | QPSK      | RB1#0                 | Pass             |
| Band 38         | 10 MHz         | MCH          | QPSK      | RB1#0                 | Pass             |
| Band 41         | 10 MHz         | MCH          | QPSK      | RB1#0                 | Pass             |
| Band 66         | 20 MHz         | LCH          | QPSK      | RB1#0                 | Pass             |
| Band 71         | 20 MHz         | LCH          | QPSK      | RB1#0                 | Pass             |

## A.8 Receiver Spurious Emissions

Note: Only the worst test results were recorded in this report.

### 30MHz to 1GHz, ANT H

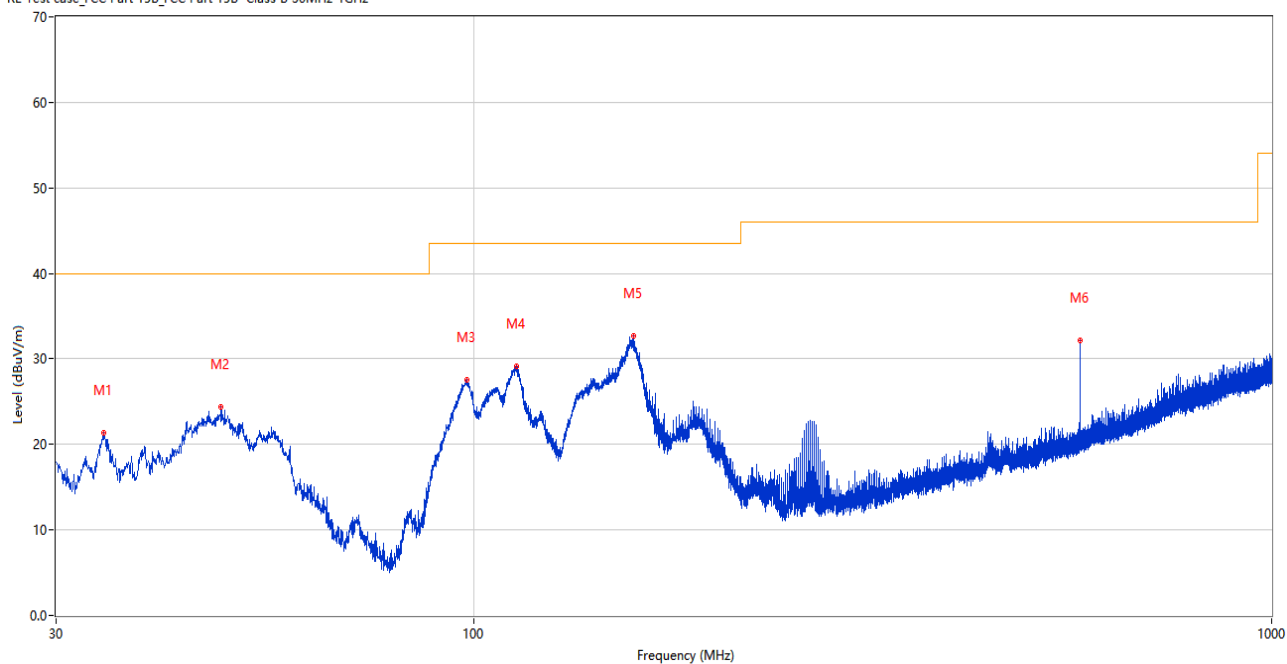
RE Test case\_FCC Part 15B\_FCC Part 15B Class B 30MHz-1GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 40.379          | 15.03            | -26.62      | 40.0           | 24.97       | Peak     | 161.00         | 200         | Horizontal | Pass    |
| 2   | 98.385          | 31.88            | -26.87      | 43.5           | 11.62       | Peak     | 62.00          | 200         | Horizontal | Pass    |
| 3   | 185.685         | 29.82            | -27.71      | 43.5           | 13.68       | Peak     | 265.00         | 200         | Horizontal | Pass    |
| 4   | 212.020         | 29.14            | -26.62      | 43.5           | 14.36       | Peak     | 311.00         | 200         | Horizontal | Pass    |
| 5   | 261.151         | 27.32            | -24.72      | 46.0           | 18.68       | Peak     | 216.00         | 100         | Horizontal | Pass    |
| 6   | 616.026         | 34.17            | -15.72      | 46.0           | 11.83       | Peak     | 316.00         | 200         | Horizontal | Pass    |

## 30MHz to 1GHz, ANT V

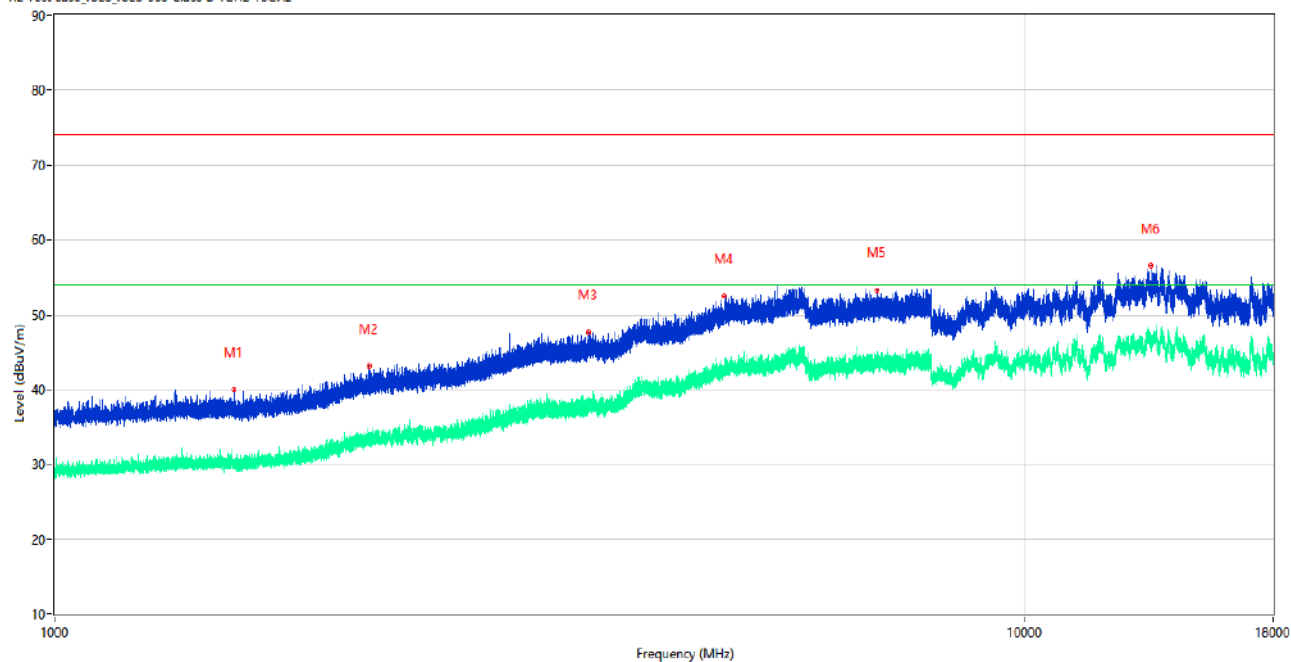
RE Test case\_FCC Part 15B\_FCC Part 15B Class B 30MHz-1GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 34.413          | 21.36            | -28.11      | 40.0           | 18.64       | Peak     | 142.00         | 100         | Vertical | Pass    |
| 2   | 48.285          | 24.37            | -25.20      | 40.0           | 15.63       | Peak     | 113.00         | 100         | Vertical | Pass    |
| 3   | 98.046          | 27.58            | -26.83      | 43.5           | 15.92       | Peak     | 357.00         | 200         | Vertical | Pass    |
| 4   | 113.371         | 29.19            | -27.00      | 43.5           | 14.31       | Peak     | 108.00         | 100         | Vertical | Pass    |
| 5   | 158.525         | 32.74            | -29.82      | 43.5           | 10.76       | Peak     | 257.00         | 100         | Vertical | Pass    |
| 6   | 576.013         | 32.21            | -16.80      | 46.0           | 13.79       | Peak     | 248.00         | 100         | Vertical | Pass    |

## 1GHz to 18GHz, ANT H

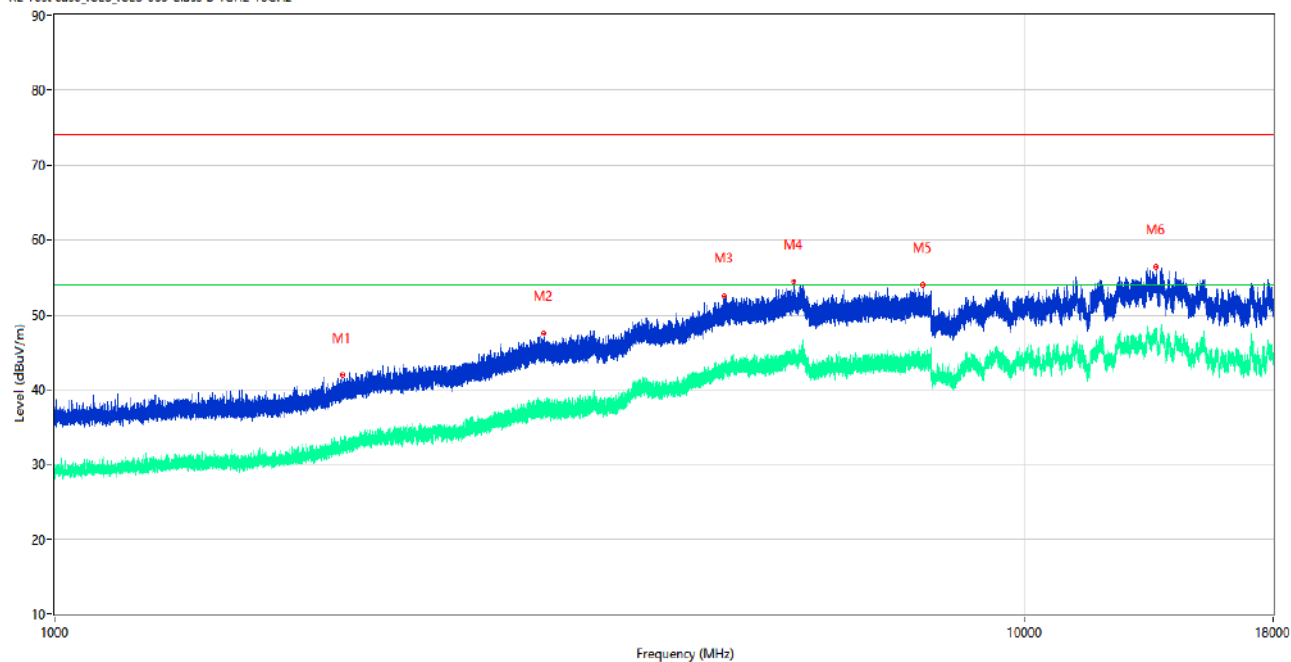
RE Test case\_ICES\_ICES-003 Class B 1GHz-18GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1532.220        | 39.97            | -15.61      | 74.0           | 34.03       | Peak     | 25.00          | 100         | Horizontal | Pass    |
| 1** | 1532.220        | 29.81            | -15.61      | 54.0           | 24.19       | AV       | 25.00          | 100         | Horizontal | Pass    |
| 2   | 2108.770        | 43.21            | -12.46      | 74.0           | 30.79       | Peak     | 360.00         | 100         | Horizontal | Pass    |
| 2** | 2108.770        | 33.18            | -12.46      | 54.0           | 20.82       | AV       | 360.00         | 100         | Horizontal | Pass    |
| 3   | 3551.120        | 47.66            | -4.75       | 74.0           | 26.34       | Peak     | 270.00         | 100         | Horizontal | Pass    |
| 3** | 3551.120        | 37.88            | -4.75       | 54.0           | 16.12       | AV       | 270.00         | 100         | Horizontal | Pass    |
| 4   | 4898.880        | 52.50            | 0.52        | 74.0           | 21.50       | Peak     | 232.00         | 100         | Horizontal | Pass    |
| 4** | 4898.880        | 42.28            | 0.52        | 54.0           | 11.72       | AV       | 232.00         | 100         | Horizontal | Pass    |
| 5   | 7039.700        | 53.21            | -0.62       | 74.0           | 20.79       | Peak     | 319.00         | 100         | Horizontal | Pass    |
| 5** | 7039.700        | 43.85            | -0.62       | 54.0           | 10.15       | AV       | 319.00         | 100         | Horizontal | Pass    |
| 6   | 13479.000       | 56.48            | 3.92        | 74.0           | 17.52       | Peak     | 349.00         | 100         | Horizontal | Pass    |
| 6** | 13479.000       | 46.39            | 3.92        | 54.0           | 7.61        | AV       | 349.00         | 100         | Horizontal | Pass    |

## 1GHz to 18GHz, ANT V

RE Test case ICES\_ICES-003 Class B 1GHz-18GHz



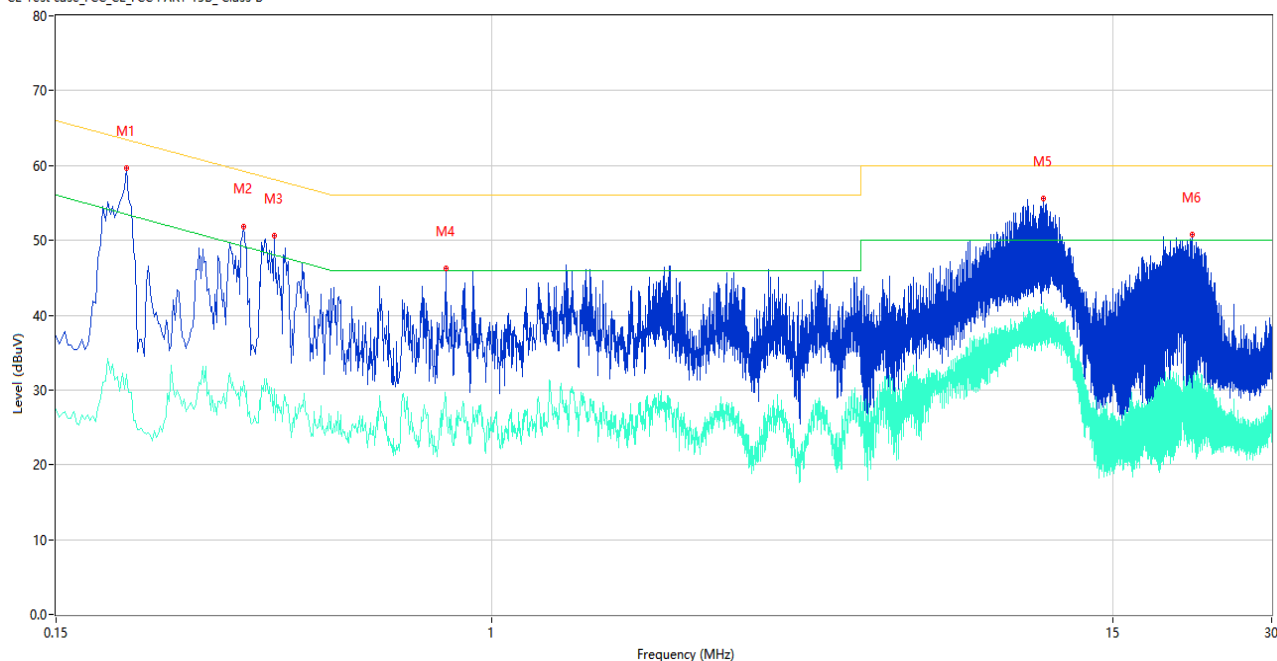
| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1979.810        | 41.97            | -13.29      | 74.0           | 32.03       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 1** | 1979.810        | 33.12            | -13.29      | 54.0           | 20.88       | AV       | 0.00           | 100         | Vertical | Pass    |
| 2   | 3190.370        | 47.44            | -6.07       | 74.0           | 26.56       | Peak     | 207.00         | 100         | Vertical | Pass    |
| 2** | 3190.370        | 37.65            | -6.07       | 54.0           | 16.35       | AV       | 207.00         | 100         | Vertical | Pass    |
| 3   | 4900.860        | 52.50            | 0.65        | 74.0           | 21.50       | Peak     | 159.00         | 100         | Vertical | Pass    |
| 3** | 4900.860        | 42.58            | 0.65        | 54.0           | 11.42       | AV       | 159.00         | 100         | Vertical | Pass    |
| 4   | 5772.060        | 54.41            | 1.39        | 74.0           | 19.59       | Peak     | 266.00         | 100         | Vertical | Pass    |
| 4** | 5772.060        | 44.13            | 1.39        | 54.0           | 9.87        | AV       | 266.00         | 100         | Vertical | Pass    |
| 5   | 7848.640        | 53.94            | 1.19        | 74.0           | 20.06       | Peak     | 64.00          | 100         | Vertical | Pass    |
| 5** | 7848.640        | 44.49            | 1.19        | 54.0           | 9.51        | AV       | 64.00          | 100         | Vertical | Pass    |
| 6   | 13642.000       | 56.37            | 5.06        | 74.0           | 17.63       | Peak     | 171.00         | 100         | Vertical | Pass    |
| 6** | 13642.000       | 46.79            | 5.06        | 54.0           | 7.21        | AV       | 171.00         | 100         | Vertical | Pass    |

## A.9 AC Power-line Conducted Emissions

Note: Only the worst test results were recorded in this report.

### L Phase

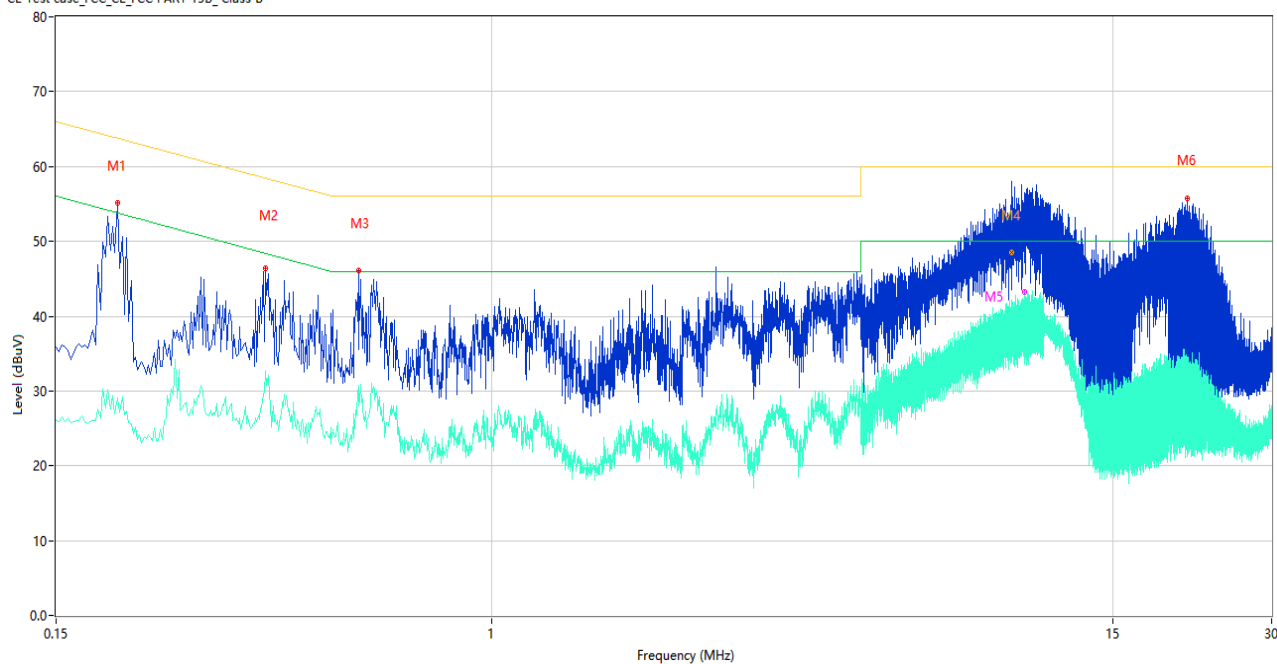
CE Test case\_FCC\_CE\_FCC PART 15B\_Class B



| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Margin (dB) | Detector | Line | Verdict |
|-----|-----------------|----------------|-------------|--------------|-------------|----------|------|---------|
| 1   | 0.204           | 59.63          | 10.03       | 63.45        | 3.82        | Peak     | L    | Pass    |
| 1** | 0.204           | 32.12          | 10.03       | 53.45        | 21.33       | AV       | L    | Pass    |
| 2   | 0.340           | 51.90          | 9.96        | 59.20        | 7.30        | Peak     | L    | Pass    |
| 2** | 0.340           | 31.11          | 9.96        | 49.20        | 18.09       | AV       | L    | Pass    |
| 3   | 0.388           | 50.62          | 10.46       | 58.11        | 7.49        | Peak     | L    | Pass    |
| 3** | 0.388           | 30.07          | 10.46       | 48.11        | 18.04       | AV       | L    | Pass    |
| 4   | 0.820           | 46.19          | 10.15       | 56.00        | 9.81        | Peak     | L    | Pass    |
| 4** | 0.820           | 28.72          | 10.15       | 46.00        | 17.28       | AV       | L    | Pass    |
| 5   | 11.082          | 55.52          | 12.62       | 60.00        | 4.48        | Peak     | L    | Pass    |
| 5** | 11.082          | 41.55          | 12.62       | 50.00        | 8.45        | AV       | L    | Pass    |
| 6   | 21.226          | 50.78          | 15.35       | 60.00        | 9.22        | Peak     | L    | Pass    |
| 6** | 21.226          | 29.23          | 15.35       | 50.00        | 20.77       | AV       | L    | Pass    |

## N Phase

CE Test case\_FCC\_CE\_FCC PART 15B\_Class B



| No. | Frequency (MHz) | Results (dBuV) | Factor (dB) | Limit (dBuV) | Margin (dB) | Detector | Line | Verdict |
|-----|-----------------|----------------|-------------|--------------|-------------|----------|------|---------|
| 1   | 0.196           | 55.12          | 10.03       | 63.78        | 8.66        | Peak     | N    | Pass    |
| 1** | 0.196           | 29.13          | 10.03       | 53.78        | 24.65       | AV       | N    | Pass    |
| 2   | 0.374           | 46.47          | 10.27       | 58.41        | 11.94       | Peak     | N    | Pass    |
| 2** | 0.374           | 32.70          | 10.27       | 48.41        | 15.71       | AV       | N    | Pass    |
| 3   | 0.562           | 46.09          | 10.50       | 56.00        | 9.91        | Peak     | N    | Pass    |
| 3** | 0.562           | 30.66          | 10.50       | 46.00        | 15.34       | AV       | N    | Pass    |
| 4   | 9.646           | 55.86          | 12.13       | 60.00        | 4.14        | Peak     | N    | N/A     |
| 4*  | 9.646           | 48.51          | 12.13       | 60.00        | 11.49       | QP       | N    | Pass    |
| 4** | 9.646           | 42.25          | 12.13       | 50.00        | 7.75        | AV       | N    | Pass    |
| 5   | 10.214          | 56.48          | 12.28       | 60.00        | 3.52        | Peak     | N    | Pass    |
| 5** | 10.214          | 43.21          | 12.28       | 50.00        | 6.79        | AV       | N    | Pass    |
| 6   | 20.810          | 55.81          | 15.24       | 60.00        | 4.19        | Peak     | N    | Pass    |
| 6** | 20.810          | 22.29          | 15.24       | 50.00        | 27.71       | AV       | N    | Pass    |

## **ANNEX B TEST SETUP PHOTOS**

Please refer to the document “BL-SZ24C0923-AR-1.PDF”.

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer to the document “BL-SZ24C0923-AW.PDF”.

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer to the document “BL-SZ24C0923-AI.PDF”.

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