

# TEST REPORT

**Applicant:** Guangdong OPPO Mobile Telecommunications Corp., Ltd.  
**Address:** NO.18 HaiBin Road, Wusha Village, Chang'an Town, DongGuan City, Guangdong Province, P.R. China  
**Equipment Type:** Mobile Phone  
**Model Name:** CPH2819  
**Brand Name:** OPPO  
**FCC ID:** R9C-OP25249  
**Test Standard:** 47 CFR Part 2  
(Others refer to chapter 3.1)  
**Sample Arrival Date:** Aug. 25, 2025  
**Test Date:** Aug. 27, 2025 - Sep. 22, 2025  
**Date of Issue:** Sep. 30, 2025

**ISSUED BY:**

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Liu Juren*Liu Juren***Tested by:** Wu Huihui*Wu Huihui***Approved by:** Tolan Tu  
(Testing Director)*Tolan Tu*

Revision History

| Version        | Issue Date           | Revisions Content    |
|----------------|----------------------|----------------------|
| <u>Rev. 01</u> | <u>Sep. 30, 2025</u> | <u>Initial Issue</u> |

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# 1 GENERAL INFORMATION

## 1.1 Test Laboratory

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

## 1.2 Test Location

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

## 2 PRODUCT INFORMATION

### 2.1 Applicant Information

|           |                                                                                                |
|-----------|------------------------------------------------------------------------------------------------|
| Applicant | Guangdong OPPO Mobile Telecommunications Corp., Ltd.                                           |
| Address   | NO.18 HaiBin Road, Wusha Village, Chang'an Town, DongGuan City, Guangdong Province, P.R. China |

### 2.2 Manufacturer Information

|              |                                                                                                |
|--------------|------------------------------------------------------------------------------------------------|
| Manufacturer | Guangdong OPPO Mobile Telecommunications Corp., Ltd.                                           |
| Address      | NO.18 HaiBin Road, Wusha Village, Chang'an Town, DongGuan City, Guangdong Province, P.R. China |

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

|                                           |                                                                 |
|-------------------------------------------|-----------------------------------------------------------------|
| EUT Name                                  | Mobile Phone                                                    |
| Model Name Under Test                     | CPH2819                                                         |
| Series Model Name                         | N/A                                                             |
| Description of Model name differentiation | N/A                                                             |
| Hardware Version                          | 11                                                              |
| Software Version                          | ColorOS 15.0                                                    |
| Dimensions (Approx.)                      | N/A                                                             |
| Weight (Approx.)                          | N/A                                                             |
| EUT ID                                    | SC-SZ2580363: S05, S17, S13                                     |
| IMEI Number                               | SC-SZ2580363-S05: IMEI1:869020080019936; IMEI2: 869020080019928 |
|                                           | SC-SZ2580363-S17: IMEI1:004180705108997; IMEI2: 004180705108997 |
|                                           | SC-SZ2580363-S13: IMEI1:869020080019753; IMEI2: 869020080019746 |

## 2.4 Technical Information

|                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| All Network and Wireless connectivity for EUT                                                                                                                                                                                            | 2G Network GSM/GPRS/EDGE 850/900/1900<br>3G Network WCDMA/HSDPA/HSUPA/DC-HSDPA Band 2/4/5/8<br>4G Network FDD LTE Band 2/4/5/7/8/13/18/19/26/28/66<br>TDD LTE Band 38/41<br>Bluetooth (BR+EDR+BLE)<br>WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20/40),<br>802.11ac(VHT20/40/80)<br>GNSS, FM Receiver |
| About the Product                                                                                                                                                                                                                        | The equipment is Mobile Phone, intended for used with information technology equipment.                                                                                                                                                                                                               |
| Note 1:<br>The EUT is a mobile phone, supporting dual SIM card slots under the same transceiver. Both SIM card slots support GSM, WCDMA, LTE. And both SIM card slots share the same transceiver, so only SIM1 is tested in this report. |                                                                                                                                                                                                                                                                                                       |

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

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Operating Bands | GSM/GPRS/EDGE 850/1900<br>WCDMA/HSDPA/HSUPA Band 2/4/5<br>FDD LTE Band 2/4/5/7/13/18/19/26/66<br>TDD LTE Band 38/41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |
| Modulation Type | GSM/GPRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | GMSK  |
|                 | EGPRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 8PSK  |
|                 | WCDMA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | QPSK  |
|                 | HSDPA /HSUPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | QPSK  |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 16QAM |
|                 | LTE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | QPSK  |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 16QAM |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 64QAM |
| Multislot Class | GPRS/EGPRS: 33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |
| Antenna Type    | IFA Antenna                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |
| Antenna Gain    | GSM/GPRS/EGPRS 850: -5.4 dBi(ANT0), -4.9 dBi(ANT1)<br>GSM/GPRS/EGPRS 1900: -3.6 dBi(ANT1), -2.6 dBi(ANT2)<br>WCDMA/HSDPA/HSUPA Band 2: -3.6 dBi(ANT1), -2.6 dBi(ANT2)<br>WCDMA/HSDPA/HSUPA Band 4: -3 dBi(ANT1), -4.8 dBi(ANT2)<br>WCDMA/HSDPA/HSUPA Band 5: -5.4 dBi(ANT0), -4.9 dBi(ANT1)<br>FDD LTE Band 2: -3.6 dBi(ANT1), -2.6 dBi(ANT2)<br>FDD LTE Band 4: -3 dBi(ANT1), -4.8 dBi(ANT2)<br>FDD LTE Band 5: -5.4 dBi(ANT0), -4.9 dBi(ANT1)<br>FDD LTE Band 7: -0.8 dBi(ANT1), -0.3 dBi(ANT2)<br>FDD LTE Band 13: -7.9 dBi(ANT0), -5.2 dBi(ANT1)<br>FDD LTE Band 18: -5.9 dBi(ANT0), -5.3 dBi(ANT1) |       |

|                                    |             |      | FDD LTE Band 19: -5.3 dBi(ANT0), -4.7 dBi(ANT1)<br>FDD LTE Band 26: -5.6 dBi(ANT0), -5 dBi(ANT1)<br>FDD LTE Band 66: -2.9 dBi(ANT1), -4.8 dBi(ANT2)<br>TDD LTE Band 38: 0.2 dBi(ANT1), 0.4 dBi(ANT2)<br>TDD LTE Band 41: -0.1 dBi(ANT1), 0.0 dBi(ANT2)                                                                                                                                                                                                                                                                                                                                                                  |                     |
|------------------------------------|-------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| The Max RF Output Power (EIRP/ERP) |             |      | GSM/GPRS/EGPRS 850: 26.12 dBm<br>GSM/GPRS/EGPRS 1900: 27.73 dBm<br>WCDMA/HSDPA/HSUPA Band 2: 21.33 dBm<br>WCDMA/HSDPA/HSUPA Band 4: 20.91 dBm<br>WCDMA/HSDPA/HSUPA Band 5: 16.83 dBm<br>FDD LTE Band 2: 22.38 dBm<br>FDD LTE Band 4: 21.92 dBm<br>FDD LTE Band 5: 17.69 dBm<br>FDD LTE Band 7: 25.07 dBm<br>FDD LTE Band 13: 17.37 dBm<br>FDD LTE Band 18 (part22): 17.35dBm<br>FDD LTE Band 18 (part90): 17.37 dBm<br>FDD LTE Band 19: 18.10 dBm<br>FDD LTE Band 26(part22): 17.60 dBm<br>FDD LTE Band 26(part90): 17.33 dBm<br>FDD LTE Band 66: 22.06 dBm<br>TDD LTE Band 38: 25.05 dBm<br>TDD LTE Band 41: 24.41 dBm |                     |
| Band                               | Power Class |      | Tx Frequency Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Rx Frequency Range  |
|                                    | GMSK        | 8PSK |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |
| GSM850                             | 4           | E2   | 824 MHz ~ 849 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 869 MHz ~ 894 MHz   |
| GSM1900                            | 1           | E2   | 1850 MHz ~ 1910 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1930 MHz ~ 1990 MHz |
| WCDMA B2                           | 3           |      | 1850 MHz ~ 1910 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1930 MHz ~ 1990 MHz |
| WCDMA B4                           | 3           |      | 1710 MHz ~ 1755 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2110 MHz ~ 2155 MHz |
| WCDMA B5                           | 3           |      | 824 MHz ~ 849 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 869 MHz ~ 894 MHz   |
| LTE B2                             | 3           |      | 1850 MHz ~ 1910 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1930 MHz ~ 1990 MHz |
| LTE B4                             | 3           |      | 1710 MHz ~ 1755 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2110 MHz ~ 2155 MHz |
| LTE B5                             | 3           |      | 824 MHz ~ 849 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 869 MHz ~ 894 MHz   |
| LTE B7                             | 3           |      | 2500 MHz ~ 2570 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2620 MHz ~ 2690 MHz |
| LTE B13                            | 3           |      | 699 MHz ~ 716 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 729 MHz ~ 746 MHz   |
| LTE B18                            | 3           |      | 815 MHz ~ 830 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 860 MHz ~ 875 MHz   |
| LTE B19                            | 3           |      | 830 MHz ~ 845 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 875 MHz ~ 890MHz    |
| LTE B26                            | 3           |      | 814 MHz ~ 849 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 859 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 |

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

### 3 SUMMARY OF TEST RESULTS

#### 3.1 Test Standards

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

### 3.2 Test Verdict

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

### 3.3 Measurement Uncertainty

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

## 4 GENERAL TEST CONFIGURATIONS

### 4.1 Test Environments

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

|                             |                         |                   |
|-----------------------------|-------------------------|-------------------|
| Relative Humidity           |                         | 20% to 75%        |
| Atmospheric Pressure        |                         | 98 kPa to 102 kPa |
| Test Voltage of the EUT     | NV (Normal Voltage)     | 3.88V             |
|                             | LV (Low Voltage)        | 3.3V              |
|                             | HV (High Voltage)       | 4.48V             |
| 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>2/3/4G RF Test System</b>         |              |            |                        |           |            |            |
| BL410 Test Software                  | BALUN        | BL410R     | N/A                    | 3.0.1.536 | N/A        | N/A        |
| CMUgo Test Software                  | R&S          | CMUgo      | N/A                    | V2.0.1    | N/A        | N/A        |
| Temperature Chamber                  | OK           | OK-TH-100C | OK2022110401           | N/A       | 2024-10-31 | 2025-10-30 |
| Universal Radio Communication Tester | R&S          | CMU 200    | 119280                 | V5.13     | 2024-12-19 | 2025-12-18 |
| Wideband Radio Communication Tester  | R&S          | CMW 500    | 100854                 | V3.7.172  | 2025-01-15 | 2026-01-14 |
| Wideband Radio Communication Tester  | R&S          | CMW 500    | 120598                 | V3.7.172  | 2025-08-13 | 2026-08-12 |
| Spectrum Analyzer                    | Agilent      | E4440A     | MY46181663             | A.11.21   | 2025-07-15 | 2026-07-14 |
| DC Power Supply                      | ITECH        | IT6863A    | 800014020757<br>120008 | N/A       | 2025-07-28 | 2026-07-27 |
| <b>Radiated Test System</b>          |              |            |                        |           |            |            |
| Radiated Test System Test Software   | BALUN        | BL410-E    | N/A                    | V22.4     | N/A        | N/A        |
| Wideband Radio Communication Tester  | R&S          | CMW 500    | 100854                 | V3.7.172  | 2025-01-15 | 2026-01-14 |
| Wideband Radio Communication Tester  | R&S          | CMW 500    | 120598                 | V3.7.172  | 2025-08-13 | 2026-08-12 |
| Test Antenna-Bi-Log(30 MHz-3 GHz)    | Schwarzbeck  | VULB 9163  | 01414                  | N/A       | 2023-11-03 | 2026-11-02 |
| Test Antenna-Horn(1-                 | Schwarzbeck  | BBHA 9120D | 02459                  | N/A       | 2023-10-   | 2026-10-   |

|                  |          |        |            |         |            |            |
|------------------|----------|--------|------------|---------|------------|------------|
| 18 GHz)          |          |        |            |         | 26         | 25         |
| Anechoic Chamber | YIHENG   | C8-966 | N/A        | N/A     | 2024-05-15 | 2027-05-11 |
| EMI Receiver     | Keysight | N9038A | MY55330121 | A.20.03 | 2025-04-16 | 2026-04-15 |

### 4.3 Test Configurations

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

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

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

| LTE Band                             | Bandwidth (MHz) |    |    |    |    |    | Modulation Type |        |        | RB# |      |      | Test Channel |      |      |
|--------------------------------------|-----------------|----|----|----|----|----|-----------------|--------|--------|-----|------|------|--------------|------|------|
|                                      | 1.4             | 3  | 5  | 10 | 15 | 20 | QPSK            | 16-QAM | 64-QAM | 1   | HaIf | FuII | LCH          | MC H | HC H |
| Effective (Isotropic) Radiated Power |                 |    |    |    |    |    |                 |        |        |     |      |      |              |      |      |
| 2                                    | v               | v  | v  | v  | v  | v  | v               | v      | v      | v   | v    | v    | v            | v    | v    |
| 4                                    | v               | v  | v  | v  | v  | v  | v               | v      | v      | v   | v    | v    | v            | v    | v    |
| 5                                    | v               | v  | v  | v  | n  | n  | v               | v      | v      | v   | v    | v    | v            | v    | v    |
| 7                                    | n               | n  | v  | v  | v  | v  | v               | v      | v      | v   | v    | v    | v            | v    | v    |
| 13                                   | n               | n  | v  | v  | n  | n  | v               | v      | v      | v   | v    | v    | v            | v    | v    |
| 18(Part22)                           | n               | n  | v  | -- | -- | n  | v               | v      | v      | v   | v    | v    | v            | v    | v    |
| 18(Part90)                           | n               | n  | v  | -- | -- | n  | v               | v      | v      | v   | v    | v    | v            | v    | v    |
| 19                                   | n               | n  | v  | v  | v  | n  | v               | v      | v      | v   | v    | v    | v            | v    | v    |
| 26(Part22)                           | v               | v  | v  | v  | v  | n  | v               | v      | v      | v   | v    | v    | v            | v    | v    |
| 26(Part90)                           | v               | v  | v  | v  | -- | n  | v               | v      | v      | v   | v    | v    | v            | v    | v    |
| 38                                   | n               | n  | v  | v  | v  | v  | v               | v      | v      | v   | v    | v    | v            | v    | v    |
| 41                                   | n               | n  | v  | v  | v  | v  | v               | v      | v      | v   | v    | v    | v            | v    | v    |
| 66                                   | v               | v  | v  | v  | v  | v  | v               | v      | v      | v   | v    | v    | v            | v    | v    |
| Peak to Average Ratio                |                 |    |    |    |    |    |                 |        |        |     |      |      |              |      |      |
| 2                                    | --              | -- | -- | -- | -- | v  | v               | v      | --     | v   | --   | v    | v            | v    | v    |
| 4                                    | --              | -- | -- | -- | -- | v  | v               | v      | --     | v   | --   | v    | v            | v    | v    |
| 5                                    | --              | -- | -- | v  | n  | n  | v               | v      | --     | v   | --   | v    | v            | v    | v    |
| 7                                    | n               | n  | -- | -- | -- | v  | v               | v      | --     | v   | --   | v    | v            | v    | v    |
| 13                                   | n               | n  | -- | v  | n  | n  | v               | v      | --     | v   | --   | v    | v            | v    | v    |
| 18(Part22)                           | n               | n  | v  | -- | -- | n  | v               | v      | --     | v   | --   | v    | v            | v    | v    |
| 18(Part90)                           | n               | n  | v  | -- | -- | n  | v               | v      | --     | v   | --   | v    | v            | v    | v    |
| 19                                   | n               | n  | v  | v  | v  | n  | v               | v      | --     | v   | --   | v    | v            | v    | v    |
| 26(Part22)                           | --              | -- | -- | -- | v  | n  | v               | v      | --     | v   | --   | v    | v            | v    | v    |
| 26(Part90)                           | --              | -- | -- | v  | -- | n  | v               | v      | --     | v   | --   | v    | --           | v    | --   |
| 38                                   | n               | n  | -- | -- | -- | v  | v               | v      | --     | v   | --   | v    | v            | v    | v    |
| 41                                   | n               | n  | -- | -- | -- | v  | v               | v      | --     | v   | --   | v    | v            | v    | v    |
| 66                                   | --              | -- | -- | -- | -- | v  | v               | v      | --     | v   | --   | v    | v            | v    | v    |
| Occupied Bandwidth                   |                 |    |    |    |    |    |                 |        |        |     |      |      |              |      |      |
| 2                                    | v               | v  | v  | v  | v  | v  | v               | v      | v      | --  | --   | v    | v            | v    | v    |
| 4                                    | v               | v  | v  | v  | v  | v  | v               | v      | v      | --  | --   | v    | v            | v    | v    |
| 5                                    | v               | v  | v  | v  | n  | n  | v               | v      | v      | --  | --   | v    | v            | v    | v    |
| 7                                    | n               | n  | v  | v  | v  | v  | v               | v      | v      | --  | --   | v    | v            | v    | v    |
| 13                                   | n               | n  | v  | v  | n  | n  | v               | v      | v      | --  | --   | v    | v            | v    | v    |
| 18(Part22)                           | n               | n  | v  | -- | -- | n  | v               | v      | v      | --  | --   | v    | v            | v    | v    |
| 18(Part90)                           | n               | n  | v  | -- | -- | n  | v               | v      | v      | --  | --   | v    | v            | v    | v    |
| 19                                   | n               | n  | v  | v  | v  | n  | v               | v      | v      | --  | --   | v    | v            | v    | v    |
| 26(Part22)                           | v               | v  | v  | v  | v  | n  | v               | v      | v      | --  | --   | v    | v            | v    | v    |
| 26(Part90)                           | v               | v  | v  | v  | -- | n  | v               | v      | v      | --  | --   | v    | v            | v    | v    |
| 38                                   | n               | n  | v  | v  | v  | v  | v               | v      | v      | --  | --   | v    | v            | v    | v    |

| LTE Band                               | Bandwidth (MHz) |    |    |    |    |    | Modulation Type |        |        | RB# |      |      | Test Channel |     |     |
|----------------------------------------|-----------------|----|----|----|----|----|-----------------|--------|--------|-----|------|------|--------------|-----|-----|
|                                        | 1.4             | 3  | 5  | 10 | 15 | 20 | QPSK            | 16-QAM | 64-QAM | 1   | Half | Full | LCH          | MCH | HCH |
| 41                                     | n               | n  | v  | v  | v  | v  | v               | v      | v      | --  | --   | v    | v            | v   | v   |
| 66                                     | v               | v  | v  | v  | v  | v  | v               | v      | v      | --  | --   | v    | v            | v   | v   |
| 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   | --  |
| 13                                     | n               | n  | -- | v  | n  | n  | v               | v      | --     | --  | --   | v    | --           | v   | --  |
| 18(Part22)                             | n               | n  | v  | -- | -- | n  | v               | v      | --     | --  | --   | v    | --           | v   | --  |
| 18(Part90)                             | n               | n  | v  | -- | -- | n  | v               | v      | --     | --  | --   | v    | --           | v   | --  |
| 19                                     | n               | n  | v  | v  | v  | n  | v               | v      | --     | --  | --   | v    | --           | v   | --  |
| 26(Part22)                             | --              | -- | -- | v  | -- | n  | v               | v      | --     | --  | --   | v    | --           | v   | --  |
| 26(Part90)                             | --              | -- | -- | v  | -- | n  | v               | v      | --     | --  | --   | v    | --           | v   | --  |
| 38                                     | n               | n  | -- | v  | -- | -- | v               | v      | --     | --  | --   | v    | --           | v   | --  |
| 41                                     | n               | n  | -- | v  | -- | -- | v               | v      | --     | --  | --   | v    | --           | v   | --  |
| 66                                     | --              | -- | -- | v  | -- | -- | v               | v      | --     | --  | --   | v    | --           | v   | --  |
| Spurious Emission at Antenna Terminals |                 |    |    |    |    |    |                 |        |        |     |      |      |              |     |     |
| 2                                      | v               | v  | v  | v  | v  | v  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 4                                      | v               | v  | v  | v  | v  | v  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 5                                      | v               | v  | v  | v  | n  | n  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 7                                      | n               | n  | v  | v  | v  | v  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 13                                     | n               | n  | v  | v  | n  | n  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 18(Part22)                             | n               | n  | v  | -- | -- | n  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 18(Part90)                             | n               | n  | v  | -- | -- | n  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 19                                     | n               | n  | v  | v  | v  | n  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 26(Part22)                             | v               | v  | v  | v  | v  | n  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 26(Part90)                             | v               | v  | v  | v  | -- | n  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 38                                     | n               | n  | v  | v  | v  | v  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 41                                     | n               | n  | v  | v  | v  | v  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 66                                     | v               | v  | v  | v  | v  | v  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| Band Edge                              |                 |    |    |    |    |    |                 |        |        |     |      |      |              |     |     |
| 2                                      | v               | v  | v  | v  | v  | v  | v               | v      | --     | v   | --   | v    | v            | --  | v   |
| 4                                      | v               | v  | v  | v  | v  | v  | v               | v      | --     | v   | --   | v    | v            | --  | v   |
| 5                                      | v               | v  | v  | v  | n  | n  | v               | v      | --     | v   | --   | v    | v            | --  | v   |
| 7                                      | n               | n  | v  | v  | v  | v  | v               | v      | --     | v   | --   | v    | v            | --  | v   |
| 13                                     | n               | n  | v  | v  | n  | n  | v               | v      | --     | --  | v    | v    | --           | v   | v   |
| 18(Part22)                             | n               | n  | v  | -- | -- | n  | v               | v      | --     | v   | --   | v    | v            | --  | v   |
| 18(Part90)                             | n               | n  | v  | -- | -- | n  | v               | v      | --     | v   | --   | v    | v            | --  | v   |
| 19                                     | n               | n  | v  | v  | v  | n  | v               | v      | --     | v   | --   | v    | v            | --  | v   |
| 26(Part22)                             | v               | v  | v  | v  | v  | n  | v               | v      | --     | v   | --   | v    | v            | --  | v   |

| LTE Band                                                                  | Bandwidth (MHz) |   |   |    |    |    | Modulation Type |        |        | RB# |      |      | Test Channel |     |     |
|---------------------------------------------------------------------------|-----------------|---|---|----|----|----|-----------------|--------|--------|-----|------|------|--------------|-----|-----|
|                                                                           | 1.4             | 3 | 5 | 10 | 15 | 20 | QPSK            | 16-QAM | 64-QAM | 1   | Half | Full | LCH          | MCH | HCH |
| 26(Part90)                                                                | v               | v | v | v  | -- | n  | v               | v      | --     | v   | --   | v    | v            | --  | v   |
| 38                                                                        | n               | n | v | v  | v  | v  | v               | v      | --     | v   | --   | v    | v            | --  | v   |
| 41                                                                        | n               | n | v | v  | v  | v  | v               | v      | --     | v   | --   | v    | v            | --  | v   |
| 66                                                                        | v               | v | v | v  | v  | v  | v               | v      | --     | v   | --   | v    | v            | --  | v   |
| Field Strength of Spurious Radiation                                      |                 |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 2                                                                         | Worst case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 4                                                                         | Worst case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 5                                                                         | Worst case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 7                                                                         | Worst case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 13                                                                        | Worst case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 18(Part22)                                                                | Worst case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 18(Part90)                                                                | Worst case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 19                                                                        | Worst case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 26(Part22)                                                                | Worst case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 26(Part90)                                                                | Worst case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 38                                                                        | Worst case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 41                                                                        | Worst case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 66                                                                        | Worst case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| Note 1: The mark “v” means that this configuration is chosen for testing. |                 |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| Note 2: The mark “n” means that this bandwidth is not supported.          |                 |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |

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

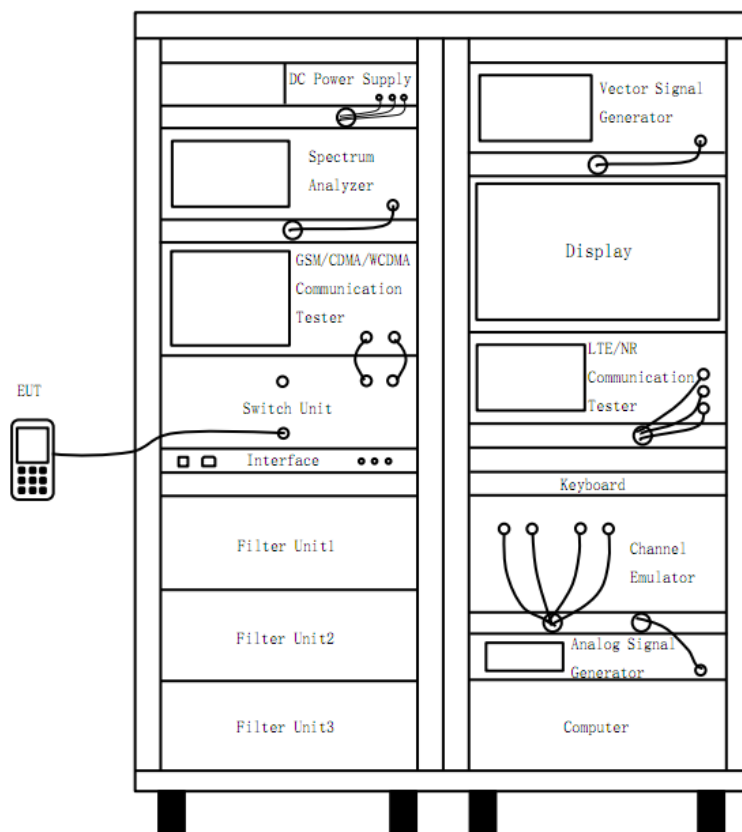
| Test Mode            | UL Channel   | Channel Bandwidth (MHz) | UL Channel No. | UL Frequency (MHz) |
|----------------------|--------------|-------------------------|----------------|--------------------|
|                      |              | 10                      | 20000          | 1715               |
|                      |              | 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               |
|                      | High Range   | 5                       | 21425          | 2567.5             |
|                      |              | 10                      | 21400          | 2565               |
|                      |              | 15                      | 21375          | 2562.5             |
|                      |              | 20                      | 21350          | 2560               |
| LTE Band 13          | Low Range    | 5                       | 23205          | 779.5              |
|                      |              | 10                      | 23230          | 782                |
|                      | Middle Range | 5/10                    | 23230          | 782                |
|                      | High Range   | 5                       | 23255          | 784.5              |
|                      |              | 10                      | 23230          | 782                |
| 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                |

| Test Mode            | UL Channel   | Channel Bandwidth (MHz) | UL Channel No. | UL Frequency (MHz) |
|----------------------|--------------|-------------------------|----------------|--------------------|
|                      | Middle Range | 15                      | 24075          | 837.5              |
|                      |              | 5/10/15                 | 24100          | 840                |
|                      | High Range   | 5                       | 24075          | 837.5              |
|                      |              | 10                      | 24025          | 832.5              |
|                      |              | 15                      | 24050          | 835                |
| LTE Band 26 (Part22) | Low Range    | 1.4                     | 26797          | 824.7              |
|                      |              | 3                       | 26805          | 825.5              |
|                      |              | 5                       | 26815          | 826.5              |
|                      |              | 10                      | 26840          | 829                |
|                      |              | 15                      | 26865          | 831.5              |
|                      | Middle Range | 1.4/3/5/10/15           | 26915          | 836.5              |
|                      | High Range   | 1.4                     | 27033          | 848.3              |
|                      |              | 3                       | 27025          | 847.5              |
|                      |              | 5                       | 27015          | 846.5              |
|                      |              | 10                      | 26990          | 844                |
|                      |              | 15                      | 26965          | 841.5              |
| LTE Band 26 (Part90) | Low Range    | 1.4                     | 26697          | 814.7              |
|                      |              | 3                       | 26705          | 815.5              |
|                      |              | 5                       | 26715          | 816.5              |
|                      |              | 10                      | ---            | ---                |
|                      | Middle Range | 1.4/3/5/10              | 26740          | 819                |
|                      | High Range   | 1.4                     | 26783          | 823.3              |
|                      |              | 3                       | 26775          | 822.5              |
|                      |              | 5                       | 26765          | 821.5              |
|                      |              | 10                      | ---            | ---                |
| LTE Band 38          | Low Range    | 5                       | 37775          | 2572.5             |
|                      |              | 10                      | 37800          | 2575               |
|                      |              | 15                      | 37825          | 2577.5             |
|                      |              | 20                      | 37850          | 2580               |
|                      | Middle Range | 5/10/15/20              | 38000          | 2595               |
|                      | High Range   | 5                       | 38225          | 2617.5             |
|                      |              | 10                      | 38200          | 2615               |
|                      |              | 15                      | 38175          | 2612.5             |
|                      |              | 20                      | 38150          | 2610               |
| LTE Band 41          | Low Range    | 5                       | 40065          | 2537.5             |
|                      |              | 10                      | 40090          | 2540               |
|                      |              | 15                      | 40115          | 2542.5             |
|                      |              | 20                      | 40140          | 2545               |
|                      | Middle Range | 5/10/15/20              | 40640          | 2595               |
|                      | High Range   | 5                       | 41215          | 2652.5             |
|                      |              | 10                      | 41190          | 2650               |

| Test Mode   | UL Channel   | Channel Bandwidth (MHz) | UL Channel No. | UL Frequency (MHz) |
|-------------|--------------|-------------------------|----------------|--------------------|
| LTE Band 66 |              | 15                      | 41165          | 2647.5             |
|             |              | 20                      | 40140          | 2645               |
|             | Low Range    | 1.4                     | 131979         | 1710.7             |
|             |              | 3                       | 131987         | 1711.5             |
|             |              | 5                       | 131997         | 1712.5             |
|             |              | 10                      | 132022         | 1715               |
|             |              | 15                      | 132047         | 1717.5             |
|             |              | 20                      | 132072         | 1720               |
|             | Middle Range | 1.4/3/5/10/15/20        | 132322         | 1745               |
|             | High Range   | 1.4                     | 132665         | 1779.3             |
|             |              | 3                       | 132657         | 1778.5             |
|             |              | 5                       | 132647         | 1777.5             |
|             |              | 10                      | 132622         | 1775               |
|             |              | 15                      | 132597         | 1772.5             |
|             |              | 20                      | 132572         | 1770               |

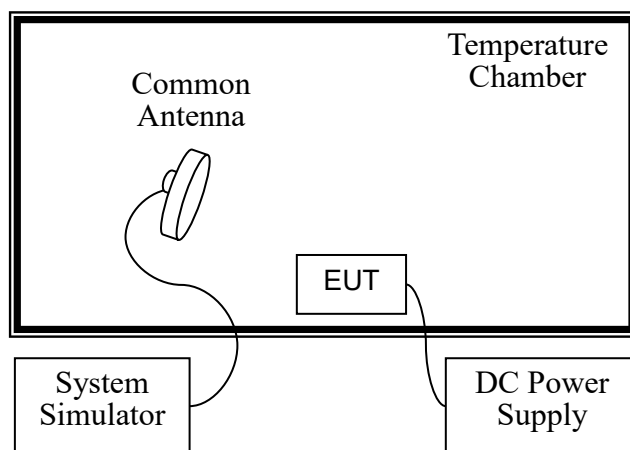
## 4.4 Test Setup

### 4.4.1 For Antenna Port Test



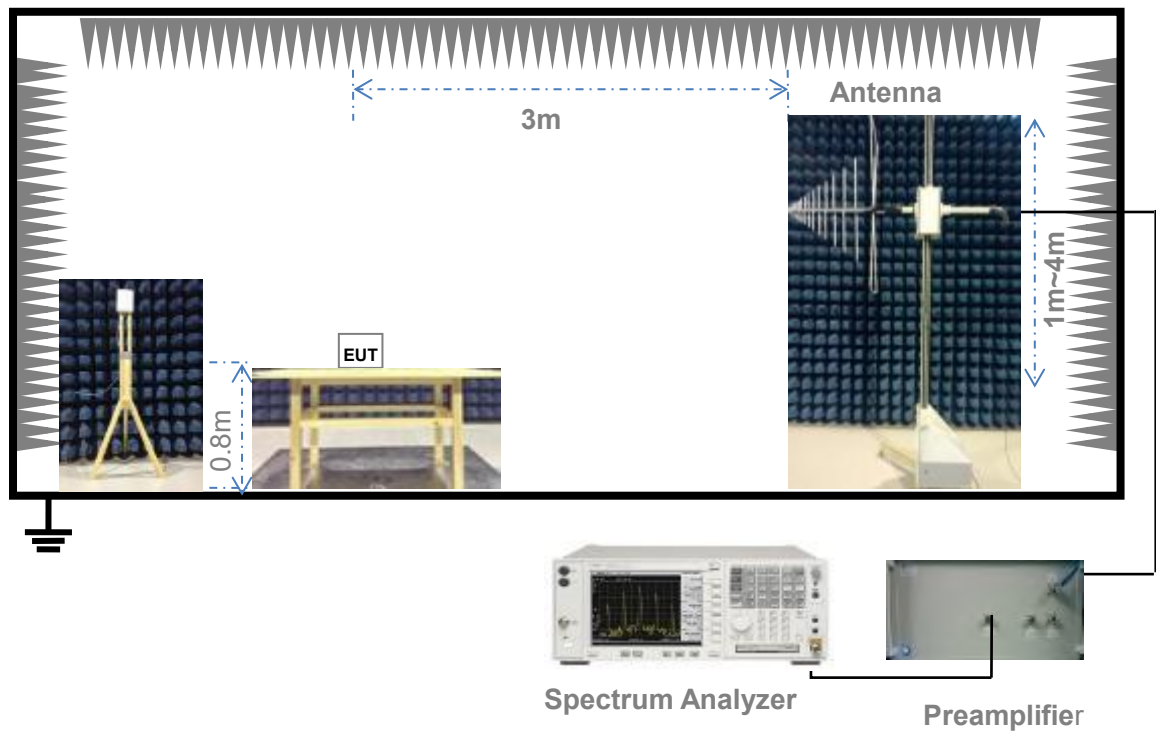
(Diagram 1)

### 4.4.2 For Frequency Stability Test



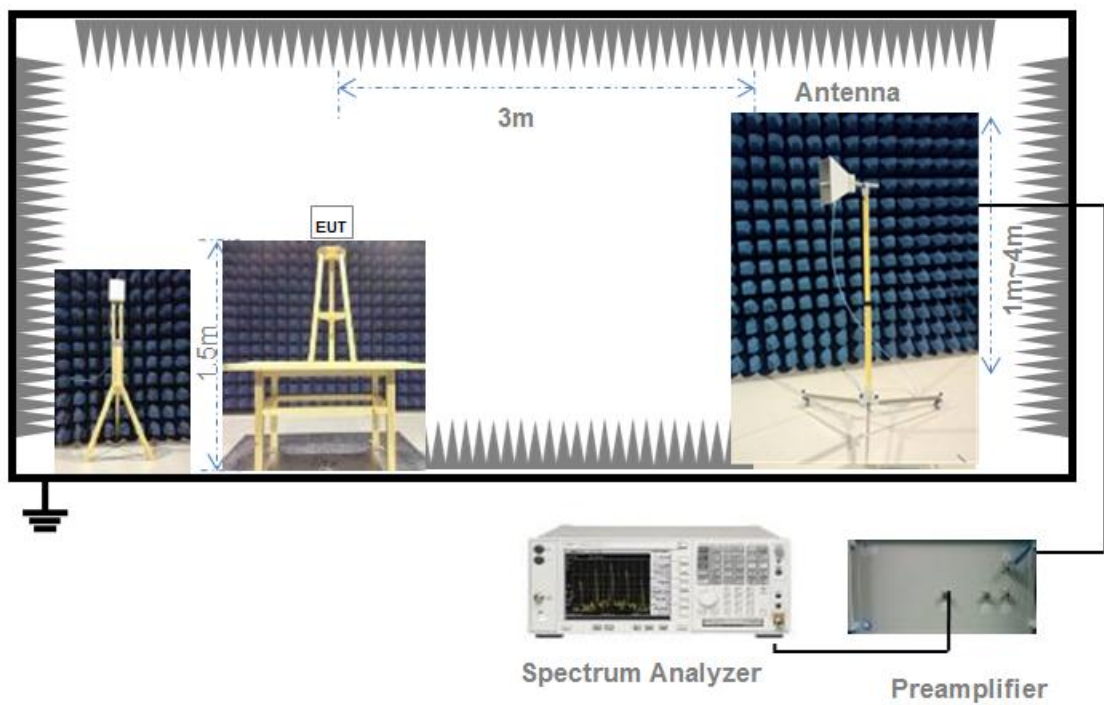
(Diagram 2)

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



(Diagram 3)

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



(Diagram 4)

## 5 TEST ITEMS

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

#### 5.1.1 Limit

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

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

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

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

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

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

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

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

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

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

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

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

### 5.1.2 Test Setup

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

### 5.1.3 Test Procedure

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

The EUT is coupled to the SS with attenuator through power splitter; the RF load attached to EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. A system simulator is used to establish communication with the EUT, and its parameters are set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The relevant equation for determining the conducted measured value is:

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

where:

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

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

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

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

For example:

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

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

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

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

ERP, the transmit antenna gain is referenced to a dipole antenna (i.e., dBd) whereas when determining the EIRP, the transmit antenna gain is referenced to an isotropic antenna (dBi).

Final measurement calculation as below:

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

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

where:

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

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

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

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

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

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

For example:

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

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

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

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

where:

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

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

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

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

For example:

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

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

#### 5.1.4 Test Result

Please refer to ANNEX A.1.

## 5.2 Peak to Average Ratio

### 5.2.1 Limit

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

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

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

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

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

### 5.2.2 Test Setup

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

### 5.2.3 Test Procedure

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

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

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

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

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

Alternate procedure for PAPR:

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

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

#### 5.2.4 Test Result

Please refer to ANNEX A.2.

## 5.3 Occupied Bandwidth

### 5.3.1 Limit

#### FCC § 2.1049

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

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

### 5.3.2 Test Setup

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

### 5.3.3 Test Procedure

The following procedure shall be used for measuring power bandwidth.

- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts (i.e., two to five times the anticipated OBW).
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
- c) Set the reference level of the instrument as required to keep the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope must be at least 10log (OBW / RBW) below the reference level.
- d) NOTE—Steps a) through c) may require iteration to adjust within the specified tolerances.
- e) For -26 dB OBW, the dynamic range of the spectrum analyzer at the selected RBW shall be at least 10dB below the target “-X dB down” requirement, e.g. -26 dB OBW, the spectrum analyzer noise floor at the selected RBW shall be 36dB below the reference value.
- f) Set the detection mode to peak, and the trace mode to max hold.
- g) For 99% OBW, use the 99 % power bandwidth function of the spectrum analyzer (if available) and report the measured bandwidth.

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

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

h) For -26 dB OBW, determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value).

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

Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below “-X dB down amplitude” determined in step g). If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.

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

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

#### 5.3.4 Test Result

Please refer to ANNEX A.3.

## 5.4 Frequency Stability

### 5.4.1 Limit

FCC § 2.1055 & 22.355 & 24.235 & 27.54 & 90.213

FCC § 2.1055

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

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

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

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

FCC § 22.355

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

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

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

FCC § 24.235

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

#### FCC § 27.54

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

#### FCC § 90.213

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

### 5.4.2 Test Setup

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

### 5.4.3 Test Procedure

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

### 5.4.4 Test Result

Please refer to ANNEX A.4.

## 5.5 Spurious Emission at Antenna Terminals

### 5.5.1 Limit

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

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

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

FCC § 22.917(a) & 24.238(a)

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

FCC § 27.53(a) (4)

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

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

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

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

FCC § 27.53(c)

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

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

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

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

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

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

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

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

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

of at least 30 kHz may be employed;

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

#### FCC § 27.53(f)

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

#### FCC § 27.53(g)

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

#### FCC § 27.53(h) (1)

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

#### FCC § 27.53(l) (2)

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

## FCC § 27.53(m) (4)

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

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

In addition, the attenuation factor shall not be less than  $43 + 10 \log (P)$  dB on all frequencies between 2490.5 MHz and 2496 MHz and  $55 + 10 \log (P)$  dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

## FCC § 27.53(n) (2)

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

## FCC § 90.691

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

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

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

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

## 5.5.2 Test Setup

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

### 5.5.3 Test Procedure

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

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

Sweep point number = Span/RBW

VBW=3\*RBW

Detector Mode=mean or average power

5. Record the frequencies and levels of spurious emissions.

### 5.5.4 Test Result

Please refer to ANNEX A.5.

## 5.6 Band Edge

### 5.6.1 Limit

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

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

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

FCC § 22.917(a) & 24.238(a)

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

FCC § 27.53(a) (4)

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

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

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

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

FCC § 27.53(c)

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

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

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

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

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

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

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

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

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

of at least 30 kHz may be employed;

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

#### FCC § 27.53(f)

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

#### FCC § 27.53(g)

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

#### FCC § 27.53(h) (1)

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

#### FCC § 27.53(l) (2)

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

#### FCC § 27.53(m) (4)

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

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

In addition, the attenuation factor shall not be less than  $43 + 10 \log (P)$  dB on all frequencies between  $2490.5$  MHz and  $2496$  MHz and  $55 + 10 \log (P)$  dB at or below  $2490.5$  MHz. Mobile Satellite Service licensees operating on frequencies below  $2495$  MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

#### FCC § 27.53(n) (2)

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

#### FCC § 90.691

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

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

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

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

### 5.6.2 Test Setup

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

### 5.6.3 Test Procedure

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

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

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

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

6. Record the frequencies and levels of spurious emissions.

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

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

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

#### 5.6.4 Test Result

Please refer to ANNEX A.6.

## 5.7 Field Strength of Spurious Radiation

### 5.7.1 Limit

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

FCC § 22.917(a) & 24.238(a)

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

FCC § 27.53(a) (4)

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

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

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

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

FCC § 27.53(c)

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

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

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

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

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

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

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

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

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

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

of at least 30 kHz may be employed;

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

FCC § 27.53(f)

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

FCC § 27.53(g)

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

FCC § 27.53(h) (1)

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

FCC § 27.53(l) (2)

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

FCC § 27.53(m) (4)

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

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

In addition, the attenuation factor shall not be less than  $43 + 10 \log (P)$  dB on all frequencies between 2490.5 MHz and 2496 MHz and  $55 + 10 \log (P)$  dB at or below 2490.5 MHz. Mobile Satellite Service

licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

#### FCC § 27.53(n) (2)

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

#### FCC § 90.691

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

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

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

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

### 5.7.2 Test Setup

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

### 5.7.3 Test Procedure

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

transmitter under test.

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

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

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

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

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

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

the sensitivity of the measuring receiver.

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

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

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

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

Final measurement calculation as below:

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

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

where:

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

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

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

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

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

For example:

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

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

#### 5.7.4 Test Result

Please refer to ANNEX A.7.

## ANNEX A TEST RESULTS

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

#### GSM Mode Test Data

| Test Band | Test Channel | Conducted Output Peak Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-----------|--------------|-----------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| GSM 850   | LCH          | 33.06                             | -4.9               | -7.05              | 26.01     | 0.399   | 7.00      | Pass    |
|           | MCH          | 33.07                             | -4.9               | -7.05              | 26.02     | 0.400   | 7.00      | Pass    |
|           | HCH          | 33.17                             | -4.9               | -7.05              | 26.12     | 0.409   | 7.00      | Pass    |
| GPRS 850  | LCH          | 32.84                             | -4.9               | -7.05              | 25.79     | 0.379   | 7.00      | Pass    |
|           | MCH          | 32.84                             | -4.9               | -7.05              | 25.79     | 0.379   | 7.00      | Pass    |
|           | HCH          | 32.94                             | -4.9               | -7.05              | 25.89     | 0.388   | 7.00      | Pass    |
| EGPRS 850 | LCH          | 29.13                             | -4.9               | -7.05              | 22.08     | 0.161   | 7.00      | Pass    |
|           | MCH          | 29.21                             | -4.9               | -7.05              | 22.16     | 0.164   | 7.00      | Pass    |
|           | HCH          | 29.33                             | -4.9               | -7.05              | 22.28     | 0.169   | 7.00      | Pass    |

| Test Band  | Test Channel | Conducted Output Peak Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------|--------------|-----------------------------------|--------------------|------------|----------|-----------|---------|
| GSM 1900   | LCH          | 30.11                             | -2.6               | 27.51      | 0.564    | 2.00      | Pass    |
|            | MCH          | 30.33                             | -2.6               | 27.73      | 0.593    | 2.00      | Pass    |
|            | HCH          | 30.33                             | -2.6               | 27.73      | 0.593    | 2.00      | Pass    |
| GPRS 1900  | LCH          | 30.03                             | -2.6               | 27.43      | 0.553    | 2.00      | Pass    |
|            | MCH          | 30.31                             | -2.6               | 27.71      | 0.590    | 2.00      | Pass    |
|            | HCH          | 30.28                             | -2.6               | 27.68      | 0.586    | 2.00      | Pass    |
| EGPRS 1900 | LCH          | 28.60                             | -2.6               | 26.00      | 0.398    | 2.00      | Pass    |
|            | MCH          | 28.61                             | -2.6               | 26.01      | 0.399    | 2.00      | Pass    |
|            | HCH          | 28.78                             | -2.6               | 26.18      | 0.415    | 2.00      | Pass    |

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

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

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

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

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

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

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

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

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

GPRS Conducted Output Power

| Band         | Channel | Conducted Output Peak Power |               |                  |                |                  |                |                  |                |
|--------------|---------|-----------------------------|---------------|------------------|----------------|------------------|----------------|------------------|----------------|
|              |         | 1 Slot<br>(dBm)             | 1 Slot<br>(W) | 2 Slots<br>(dBm) | 2 Slots<br>(W) | 3 Slots<br>(dBm) | 3 Slots<br>(W) | 4 Slots<br>(dBm) | 4 Slots<br>(W) |
| GPRS<br>850  | LCH     | 32.84                       | 1.92          | 29.85            | 0.97           | 27.12            | 0.51           | 26.09            | 0.41           |
|              | MCH     | 32.84                       | 1.92          | 29.94            | 0.99           | 27.19            | 0.52           | 25.93            | 0.39           |
|              | HCH     | 32.94                       | 1.97          | 29.97            | 0.99           | 27.19            | 0.52           | 25.93            | 0.39           |
| GPRS<br>1900 | LCH     | 30.03                       | 1.01          | 26.10            | 0.41           | 24.21            | 0.26           | 23.59            | 0.23           |
|              | MCH     | 30.31                       | 1.07          | 26.44            | 0.44           | 24.23            | 0.26           | 23.58            | 0.23           |
|              | HCH     | 30.28                       | 1.07          | 26.48            | 0.44           | 24.49            | 0.28           | 23.76            | 0.24           |

EGPRS Conducted Output Power

| Band          | Channel | Conducted Output Peak Power |               |                  |                |                  |                |                  |                |
|---------------|---------|-----------------------------|---------------|------------------|----------------|------------------|----------------|------------------|----------------|
|               |         | 1 Slot<br>(dBm)             | 1 Slot<br>(W) | 2 Slots<br>(dBm) | 2 Slots<br>(W) | 3 Slots<br>(dBm) | 3 Slots<br>(W) | 4 Slots<br>(dBm) | 4 Slots<br>(W) |
| EGPRS<br>850  | LCH     | 29.13                       | 0.82          | 26.89            | 0.49           | 24.73            | 0.30           | 24.08            | 0.26           |
|               | MCH     | 29.21                       | 0.83          | 26.97            | 0.50           | 24.87            | 0.31           | 24.27            | 0.27           |
|               | HCH     | 29.33                       | 0.86          | 27.01            | 0.50           | 24.71            | 0.30           | 24.18            | 0.26           |
| EGPRS<br>1900 | LCH     | 28.60                       | 0.72          | 25.54            | 0.36           | 23.69            | 0.23           | 22.99            | 0.20           |
|               | MCH     | 28.61                       | 0.73          | 25.54            | 0.36           | 23.71            | 0.24           | 22.84            | 0.19           |
|               | HCH     | 28.78                       | 0.76          | 25.71            | 0.37           | 23.77            | 0.24           | 23.27            | 0.21           |

## 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          | 23.79                           | -2.6               | 21.19      | 0.132    | 2.00      | Pass    |
|              | MCH          | 23.93                           | -2.6               | 21.33      | 0.136    | 2.00      | Pass    |
|              | HCH          | 23.99                           | -2.6               | 21.39      | 0.138    | 2.00      | Pass    |
| HSDPA Band 2 | LCH          | 22.77                           | -2.6               | 20.17      | 0.104    | 2.00      | Pass    |
|              | MCH          | 22.79                           | -2.6               | 20.19      | 0.104    | 2.00      | Pass    |
|              | HCH          | 22.88                           | -2.6               | 20.28      | 0.107    | 2.00      | Pass    |
| HSUPA Band 2 | LCH          | 22.81                           | -2.6               | 20.21      | 0.105    | 2.00      | Pass    |
|              | MCH          | 22.74                           | -2.6               | 20.14      | 0.103    | 2.00      | Pass    |
|              | HCH          | 22.83                           | -2.6               | 20.23      | 0.105    | 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          | 23.61                           | -3                 | 20.61      | 0.115    | 1.00      | Pass    |
|              | MCH          | 23.91                           | -3                 | 20.91      | 0.123    | 1.00      | Pass    |
|              | HCH          | 23.78                           | -3                 | 20.78      | 0.120    | 1.00      | Pass    |
| HSDPA Band 4 | LCH          | 22.79                           | -3                 | 19.79      | 0.095    | 1.00      | Pass    |
|              | MCH          | 22.89                           | -3                 | 19.89      | 0.097    | 1.00      | Pass    |
|              | HCH          | 22.81                           | -3                 | 19.81      | 0.096    | 1.00      | Pass    |
| HSUPA Band 4 | LCH          | 22.76                           | -3                 | 19.76      | 0.095    | 1.00      | Pass    |
|              | MCH          | 22.88                           | -3                 | 19.88      | 0.097    | 1.00      | Pass    |
|              | HCH          | 22.76                           | -3                 | 19.76      | 0.095    | 1.00      | Pass    |

| Test Band    | Test Channel | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|--------------|--------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| WCDMA Band 5 | LCH          | 23.88                           | -4.9               | -7.05              | 16.83     | 0.048   | 7.00      | Pass    |
|              | MCH          | 23.77                           | -4.9               | -7.05              | 16.72     | 0.047   | 7.00      | Pass    |
|              | HCH          | 23.64                           | -4.9               | -7.05              | 16.59     | 0.046   | 7.00      | Pass    |
| HSDPA Band 5 | LCH          | 23.02                           | -4.9               | -7.05              | 15.97     | 0.040   | 7.00      | Pass    |
|              | MCH          | 22.86                           | -4.9               | -7.05              | 15.81     | 0.038   | 7.00      | Pass    |
|              | HCH          | 22.84                           | -4.9               | -7.05              | 15.79     | 0.038   | 7.00      | Pass    |
| HSUPA Band 5 | LCH          | 22.91                           | -4.9               | -7.05              | 15.86     | 0.039   | 7.00      | Pass    |
|              | MCH          | 22.69                           | -4.9               | -7.05              | 15.64     | 0.037   | 7.00      | Pass    |
|              | HCH          | 22.73                           | -4.9               | -7.05              | 15.68     | 0.037   | 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<br>Band 2        | Subtest 1     | 22.74      | 22.79 | 22.88 | 0.188    | 0.190 | 0.194 |
|                        | Subtest 2     | 22.77      | 22.78 | 22.86 | 0.189    | 0.190 | 0.193 |
|                        | Subtest 3     | 22.35      | 22.37 | 22.37 | 0.172    | 0.173 | 0.173 |
|                        | Subtest 4     | 22.33      | 22.37 | 22.46 | 0.171    | 0.173 | 0.176 |
| HSDPA<br>Band 4        | Subtest 1     | 22.70      | 22.89 | 22.79 | 0.186    | 0.195 | 0.190 |
|                        | Subtest 2     | 22.79      | 22.87 | 22.81 | 0.190    | 0.194 | 0.191 |
|                        | Subtest 3     | 22.37      | 22.39 | 22.40 | 0.173    | 0.173 | 0.174 |
|                        | Subtest 4     | 22.34      | 22.49 | 22.40 | 0.171    | 0.177 | 0.174 |
| Conducted Output Power |               | ERP (dBm)  |       |       | ERP (W)  |       |       |
| Band                   | Configuration | LCH        | MCH   | HCH   | LCH      | MCH   | HCH   |
| HSDPA<br>Band 5        | Subtest 1     | 22.81      | 22.75 | 22.68 | 0.191    | 0.188 | 0.185 |
|                        | Subtest 2     | 23.02      | 22.86 | 22.84 | 0.200    | 0.193 | 0.192 |
|                        | Subtest 3     | 22.50      | 22.38 | 22.38 | 0.178    | 0.173 | 0.173 |
|                        | Subtest 4     | 22.48      | 22.38 | 22.38 | 0.177    | 0.173 | 0.173 |

HSUPA Conducted Output Power

| Conducted Output Power |               | EIRP (dBm) |       |       | EIRP (W) |       |       |
|------------------------|---------------|------------|-------|-------|----------|-------|-------|
| Band                   | Configuration | LCH        | MCH   | HCH   | LCH      | MCH   | HCH   |
| HSUPA<br>Band 2        | Subtest 1     | 22.81      | 22.74 | 22.83 | 0.191    | 0.188 | 0.192 |
|                        | Subtest 2     | 20.88      | 20.81 | 20.89 | 0.122    | 0.121 | 0.123 |
|                        | Subtest 3     | 21.82      | 21.77 | 21.86 | 0.152    | 0.150 | 0.153 |
|                        | Subtest 4     | 20.88      | 20.80 | 20.90 | 0.122    | 0.120 | 0.123 |
|                        | Subtest 5     | 22.74      | 22.66 | 22.82 | 0.188    | 0.185 | 0.191 |
| HSUPA<br>Band 4        | Subtest 1     | 22.76      | 22.88 | 22.76 | 0.189    | 0.194 | 0.189 |
|                        | Subtest 2     | 20.85      | 20.92 | 20.82 | 0.122    | 0.124 | 0.121 |
|                        | Subtest 3     | 21.82      | 21.90 | 21.79 | 0.152    | 0.155 | 0.151 |
|                        | Subtest 4     | 20.85      | 20.93 | 20.83 | 0.122    | 0.124 | 0.121 |
|                        | Subtest 5     | 22.59      | 22.64 | 22.57 | 0.182    | 0.184 | 0.181 |
| Conducted Output Power |               | ERP (dBm)  |       |       | ERP (W)  |       |       |
| Band                   | Configuration | LCH        | MCH   | HCH   | LCH      | MCH   | HCH   |
| HSUPA<br>Band 5        | Subtest 1     | 22.91      | 22.59 | 22.73 | 0.195    | 0.182 | 0.187 |
|                        | Subtest 2     | 20.94      | 20.74 | 20.71 | 0.124    | 0.119 | 0.118 |
|                        | Subtest 3     | 21.94      | 21.72 | 21.70 | 0.156    | 0.149 | 0.148 |
|                        | Subtest 4     | 21.04      | 20.72 | 20.79 | 0.127    | 0.118 | 0.120 |
|                        | Subtest 5     | 22.74      | 22.69 | 22.49 | 0.188    | 0.186 | 0.177 |

## LTE Mode Test Data

| Test BW    | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| LTE Band 2 |              |           |                        |                                 |                    |            |          |           |         |
| 1.4 MHz    | LCH          | QPSK      | RB1#0                  | 24.27                           | -2.6               | 21.67      | 0.147    | 2.000     | Pass    |
|            |              |           | RB1#3                  | 24.42                           | -2.6               | 21.82      | 0.152    | 2.000     | Pass    |
|            |              |           | RB1#5                  | 24.25                           | -2.6               | 21.65      | 0.146    | 2.000     | Pass    |
|            |              |           | RB3#0                  | 24.14                           | -2.6               | 21.54      | 0.143    | 2.000     | Pass    |
|            |              |           | RB3#2                  | 24.27                           | -2.6               | 21.67      | 0.147    | 2.000     | Pass    |
|            |              |           | RB3#3                  | 24.32                           | -2.6               | 21.72      | 0.149    | 2.000     | Pass    |
|            |              |           | RB6#0                  | 23.34                           | -2.6               | 20.74      | 0.119    | 2.000     | Pass    |
|            |              | 16-QAM    | RB1#0                  | 23.15                           | -2.6               | 20.55      | 0.114    | 2.000     | Pass    |
|            |              |           | RB1#3                  | 22.62                           | -2.6               | 20.02      | 0.100    | 2.000     | Pass    |
|            |              |           | RB1#5                  | 23.17                           | -2.6               | 20.57      | 0.114    | 2.000     | Pass    |
|            |              |           | RB3#0                  | 23.26                           | -2.6               | 20.66      | 0.116    | 2.000     | Pass    |
|            |              |           | RB3#2                  | 23.43                           | -2.6               | 20.83      | 0.121    | 2.000     | Pass    |
|            |              |           | RB3#3                  | 23.33                           | -2.6               | 20.73      | 0.118    | 2.000     | Pass    |
|            |              |           | RB6#0                  | 22.45                           | -2.6               | 19.85      | 0.097    | 2.000     | Pass    |
|            |              | 64-QAM    | RB1#0                  | 22.31                           | -2.6               | 19.71      | 0.094    | 2.000     | Pass    |
|            |              |           | RB1#3                  | 22.49                           | -2.6               | 19.89      | 0.097    | 2.000     | Pass    |
|            |              |           | RB1#5                  | 22.34                           | -2.6               | 19.74      | 0.094    | 2.000     | Pass    |
|            |              |           | RB3#0                  | 22.31                           | -2.6               | 19.71      | 0.094    | 2.000     | Pass    |
|            |              |           | RB3#2                  | 21.97                           | -2.6               | 19.37      | 0.086    | 2.000     | Pass    |
|            |              |           | RB3#3                  | 22.01                           | -2.6               | 19.41      | 0.087    | 2.000     | Pass    |
|            |              |           | RB6#0                  | 21.15                           | -2.6               | 18.55      | 0.072    | 2.000     | Pass    |
|            | MCH          | QPSK      | RB1#0                  | 24.41                           | -2.6               | 21.81      | 0.152    | 2.000     | Pass    |
|            |              |           | RB1#3                  | 24.65                           | -2.6               | 22.05      | 0.160    | 2.000     | Pass    |
|            |              |           | RB1#5                  | 24.48                           | -2.6               | 21.88      | 0.154    | 2.000     | Pass    |
|            |              |           | RB3#0                  | 24.36                           | -2.6               | 21.76      | 0.150    | 2.000     | Pass    |
|            |              |           | RB3#2                  | 24.4                            | -2.6               | 21.80      | 0.151    | 2.000     | Pass    |
|            |              |           | RB3#3                  | 24.44                           | -2.6               | 21.84      | 0.153    | 2.000     | Pass    |
|            |              |           | RB6#0                  | 23.53                           | -2.6               | 20.93      | 0.124    | 2.000     | Pass    |
|            |              | 16-QAM    | RB1#0                  | 23.29                           | -2.6               | 20.69      | 0.117    | 2.000     | Pass    |
|            |              |           | RB1#3                  | 23.05                           | -2.6               | 20.45      | 0.111    | 2.000     | Pass    |
|            |              |           | RB1#5                  | 23.14                           | -2.6               | 20.54      | 0.113    | 2.000     | Pass    |
|            |              |           | RB3#0                  | 23.09                           | -2.6               | 20.49      | 0.112    | 2.000     | Pass    |
|            |              |           | RB3#2                  | 23.25                           | -2.6               | 20.65      | 0.116    | 2.000     | Pass    |
|            |              |           | RB3#3                  | 23.19                           | -2.6               | 20.59      | 0.115    | 2.000     | Pass    |
|            |              |           | RB6#0                  | 21.94                           | -2.6               | 19.34      | 0.086    | 2.000     | Pass    |
|            |              | 64-QAM    | RB1#0                  | 22.64                           | -2.6               | 20.04      | 0.101    | 2.000     | Pass    |
|            |              |           | RB1#3                  | 22.57                           | -2.6               | 19.97      | 0.099    | 2.000     | Pass    |

| Test BW    | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| LTE Band 2 |              |           |                        |                                 |                    |            |          |           |         |
|            |              |           | RB1#5                  | 22.4                            | -2.6               | 19.80      | 0.095    | 2.000     | Pass    |
|            |              |           | RB3#0                  | 22.28                           | -2.6               | 19.68      | 0.093    | 2.000     | Pass    |
|            |              |           | RB3#2                  | 22.06                           | -2.6               | 19.46      | 0.088    | 2.000     | Pass    |
|            |              |           | RB3#3                  | 21.92                           | -2.6               | 19.32      | 0.086    | 2.000     | Pass    |
|            |              |           | RB6#0                  | 21.13                           | -2.6               | 18.53      | 0.071    | 2.000     | Pass    |
|            | HCH          | QPSK      | RB1#0                  | 24.44                           | -2.6               | 21.84      | 0.153    | 2.000     | Pass    |
|            |              |           | RB1#3                  | 24.49                           | -2.6               | 21.89      | 0.155    | 2.000     | Pass    |
|            |              |           | RB1#5                  | 24.36                           | -2.6               | 21.76      | 0.150    | 2.000     | Pass    |
|            |              |           | RB3#0                  | 24.25                           | -2.6               | 21.65      | 0.146    | 2.000     | Pass    |
|            |              |           | RB3#2                  | 24.35                           | -2.6               | 21.75      | 0.150    | 2.000     | Pass    |
|            |              |           | RB3#3                  | 24.29                           | -2.6               | 21.69      | 0.148    | 2.000     | Pass    |
|            |              |           | RB6#0                  | 23.34                           | -2.6               | 20.74      | 0.119    | 2.000     | Pass    |
|            |              | 16-QAM    | RB1#0                  | 22.98                           | -2.6               | 20.38      | 0.109    | 2.000     | Pass    |
|            |              |           | RB1#3                  | 23.25                           | -2.6               | 20.65      | 0.116    | 2.000     | Pass    |
|            |              |           | RB1#5                  | 22.9                            | -2.6               | 20.30      | 0.107    | 2.000     | Pass    |
|            |              |           | RB3#0                  | 23.28                           | -2.6               | 20.68      | 0.117    | 2.000     | Pass    |
|            |              |           | RB3#2                  | 23.33                           | -2.6               | 20.73      | 0.118    | 2.000     | Pass    |
|            |              |           | RB3#3                  | 23.4                            | -2.6               | 20.80      | 0.120    | 2.000     | Pass    |
|            |              |           | RB6#0                  | 22.22                           | -2.6               | 19.62      | 0.092    | 2.000     | Pass    |
|            |              | 64-QAM    | RB1#0                  | 22.75                           | -2.6               | 20.15      | 0.104    | 2.000     | Pass    |
|            |              |           | RB1#3                  | 22.55                           | -2.6               | 19.95      | 0.099    | 2.000     | Pass    |
|            |              |           | RB1#5                  | 22.45                           | -2.6               | 19.85      | 0.097    | 2.000     | Pass    |
|            |              |           | RB3#0                  | 22.3                            | -2.6               | 19.70      | 0.093    | 2.000     | Pass    |
|            |              |           | RB3#2                  | 22.39                           | -2.6               | 19.79      | 0.095    | 2.000     | Pass    |
|            |              |           | RB3#3                  | 22.33                           | -2.6               | 19.73      | 0.094    | 2.000     | Pass    |
|            |              |           | RB6#0                  | 21.18                           | -2.6               | 18.58      | 0.072    | 2.000     | Pass    |
| 3 MHz      | LCH          | QPSK      | RB1#0                  | 24.21                           | -2.6               | 21.61      | 0.145    | 2.000     | Pass    |
|            |              |           | RB1#7                  | 24.5                            | -2.6               | 21.90      | 0.155    | 2.000     | Pass    |
|            |              |           | RB1#14                 | 24.43                           | -2.6               | 21.83      | 0.152    | 2.000     | Pass    |
|            |              |           | RB8#0                  | 23.41                           | -2.6               | 20.81      | 0.121    | 2.000     | Pass    |
|            |              |           | RB8#4                  | 23.41                           | -2.6               | 20.81      | 0.121    | 2.000     | Pass    |
|            |              |           | RB8#7                  | 23.37                           | -2.6               | 20.77      | 0.119    | 2.000     | Pass    |
|            |              |           | RB15#0                 | 23.22                           | -2.6               | 20.62      | 0.115    | 2.000     | Pass    |
|            |              | 16-QAM    | RB1#0                  | 22.94                           | -2.6               | 20.34      | 0.108    | 2.000     | Pass    |
|            |              |           | RB1#7                  | 23.33                           | -2.6               | 20.73      | 0.118    | 2.000     | Pass    |
|            |              |           | RB1#14                 | 23.03                           | -2.6               | 20.43      | 0.110    | 2.000     | Pass    |
|            |              |           | RB8#0                  | 22.25                           | -2.6               | 19.65      | 0.092    | 2.000     | Pass    |
|            |              |           | RB8#4                  | 22.28                           | -2.6               | 19.68      | 0.093    | 2.000     | Pass    |
|            |              |           |                        |                                 |                    |            |          |           |         |
|            |              |           |                        |                                 |                    |            |          |           |         |
|            |              |           |                        |                                 |                    |            |          |           |         |
|            |              |           |                        |                                 |                    |            |          |           |         |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 2</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              |           | RB8#7                  | 22.24                           | -2.6               | 19.64      | 0.092    | 2.000     | Pass    |
|                   |              |           | RB15#0                 | 22.34                           | -2.6               | 19.74      | 0.094    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.48                           | -2.6               | 19.88      | 0.097    | 2.000     | Pass    |
|                   |              |           | RB1#7                  | 22.78                           | -2.6               | 20.18      | 0.104    | 2.000     | Pass    |
|                   |              |           | RB1#14                 | 22.28                           | -2.6               | 19.68      | 0.093    | 2.000     | Pass    |
|                   |              |           | RB8#0                  | 21.33                           | -2.6               | 18.73      | 0.075    | 2.000     | Pass    |
|                   |              |           | RB8#4                  | 21.25                           | -2.6               | 18.65      | 0.073    | 2.000     | Pass    |
|                   |              |           | RB8#7                  | 21.21                           | -2.6               | 18.61      | 0.073    | 2.000     | Pass    |
|                   |              |           | RB15#0                 | 21.17                           | -2.6               | 18.57      | 0.072    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 24.42                           | -2.6               | 21.82      | 0.152    | 2.000     | Pass    |
|                   |              |           | RB1#7                  | 24.55                           | -2.6               | 21.95      | 0.157    | 2.000     | Pass    |
|                   |              |           | RB1#14                 | 24.42                           | -2.6               | 21.82      | 0.152    | 2.000     | Pass    |
|                   |              |           | RB8#0                  | 23.39                           | -2.6               | 20.79      | 0.120    | 2.000     | Pass    |
|                   |              |           | RB8#4                  | 23.41                           | -2.6               | 20.81      | 0.121    | 2.000     | Pass    |
|                   |              |           | RB8#7                  | 23.35                           | -2.6               | 20.75      | 0.119    | 2.000     | Pass    |
|                   |              |           | RB15#0                 | 23.35                           | -2.6               | 20.75      | 0.119    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 23.13                           | -2.6               | 20.53      | 0.113    | 2.000     | Pass    |
|                   |              |           | RB1#7                  | 23.26                           | -2.6               | 20.66      | 0.116    | 2.000     | Pass    |
|                   |              |           | RB1#14                 | 22.98                           | -2.6               | 20.38      | 0.109    | 2.000     | Pass    |
|                   |              |           | RB8#0                  | 22.32                           | -2.6               | 19.72      | 0.094    | 2.000     | Pass    |
|                   |              |           | RB8#4                  | 22.32                           | -2.6               | 19.72      | 0.094    | 2.000     | Pass    |
|                   |              |           | RB8#7                  | 22.34                           | -2.6               | 19.74      | 0.094    | 2.000     | Pass    |
|                   |              |           | RB15#0                 | 22.42                           | -2.6               | 19.82      | 0.096    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.32                           | -2.6               | 19.72      | 0.094    | 2.000     | Pass    |
|                   |              |           | RB1#7                  | 22.56                           | -2.6               | 19.96      | 0.099    | 2.000     | Pass    |
|                   |              |           | RB1#14                 | 22.24                           | -2.6               | 19.64      | 0.092    | 2.000     | Pass    |
|                   |              |           | RB8#0                  | 21.16                           | -2.6               | 18.56      | 0.072    | 2.000     | Pass    |
|                   |              |           | RB8#4                  | 21.24                           | -2.6               | 18.64      | 0.073    | 2.000     | Pass    |
|                   |              |           | RB8#7                  | 21.25                           | -2.6               | 18.65      | 0.073    | 2.000     | Pass    |
|                   |              |           | RB15#0                 | 21.23                           | -2.6               | 18.63      | 0.073    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 24.43                           | -2.6               | 21.83      | 0.152    | 2.000     | Pass    |
|                   |              |           | RB1#7                  | 24.54                           | -2.6               | 21.94      | 0.156    | 2.000     | Pass    |
|                   |              |           | RB1#14                 | 24.48                           | -2.6               | 21.88      | 0.154    | 2.000     | Pass    |
|                   |              |           | RB8#0                  | 23.4                            | -2.6               | 20.80      | 0.120    | 2.000     | Pass    |
|                   |              |           | RB8#4                  | 23.37                           | -2.6               | 20.77      | 0.119    | 2.000     | Pass    |
|                   |              |           | RB8#7                  | 23.38                           | -2.6               | 20.78      | 0.120    | 2.000     | Pass    |
|                   |              |           | RB15#0                 | 23.38                           | -2.6               | 20.78      | 0.120    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 23.47                           | -2.6               | 20.87      | 0.122    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 2</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              |           | RB1#7                  | 23.47                           | -2.6               | 20.87      | 0.122    | 2.000     | Pass    |
|                   |              |           | RB1#14                 | 23.07                           | -2.6               | 20.47      | 0.111    | 2.000     | Pass    |
|                   |              |           | RB8#0                  | 22.2                            | -2.6               | 19.60      | 0.091    | 2.000     | Pass    |
|                   |              |           | RB8#4                  | 22.35                           | -2.6               | 19.75      | 0.094    | 2.000     | Pass    |
|                   |              |           | RB8#7                  | 22.35                           | -2.6               | 19.75      | 0.094    | 2.000     | Pass    |
|                   |              |           | RB15#0                 | 22.44                           | -2.6               | 19.84      | 0.096    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.33                           | -2.6               | 19.73      | 0.094    | 2.000     | Pass    |
|                   |              |           | RB1#7                  | 22.71                           | -2.6               | 20.11      | 0.103    | 2.000     | Pass    |
|                   |              |           | RB1#14                 | 22.41                           | -2.6               | 19.81      | 0.096    | 2.000     | Pass    |
|                   |              |           | RB8#0                  | 21.21                           | -2.6               | 18.61      | 0.073    | 2.000     | Pass    |
|                   |              |           | RB8#4                  | 21.2                            | -2.6               | 18.60      | 0.072    | 2.000     | Pass    |
|                   |              |           | RB8#7                  | 21.31                           | -2.6               | 18.71      | 0.074    | 2.000     | Pass    |
|                   |              |           | RB15#0                 | 21.48                           | -2.6               | 18.88      | 0.077    | 2.000     | Pass    |
| 5 MHz             | LCH          | QPSK      | RB1#0                  | 24.3                            | -2.6               | 21.70      | 0.148    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 24.6                            | -2.6               | 22.00      | 0.158    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 24.35                           | -2.6               | 21.75      | 0.150    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 23.37                           | -2.6               | 20.77      | 0.119    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 23.33                           | -2.6               | 20.73      | 0.118    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 23.28                           | -2.6               | 20.68      | 0.117    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB25#0                 | 23.26                           | -2.6               | 20.66      | 0.116    | 2.000     | Pass    |
|                   |              |           | RB1#0                  | 22.91                           | -2.6               | 20.31      | 0.107    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 23.13                           | -2.6               | 20.53      | 0.113    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 22.71                           | -2.6               | 20.11      | 0.103    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 22.18                           | -2.6               | 19.58      | 0.091    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 22.25                           | -2.6               | 19.65      | 0.092    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 22.22                           | -2.6               | 19.62      | 0.092    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 22.21                           | -2.6               | 19.61      | 0.091    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.08                           | -2.6               | 19.48      | 0.089    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 22.53                           | -2.6               | 19.93      | 0.098    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 22.17                           | -2.6               | 19.57      | 0.091    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 21.54                           | -2.6               | 18.94      | 0.078    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 21.31                           | -2.6               | 18.71      | 0.074    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 21.27                           | -2.6               | 18.67      | 0.074    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 21.34                           | -2.6               | 18.74      | 0.075    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 24.29                           | -2.6               | 21.69      | 0.148    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 24.81                           | -2.6               | 22.21      | 0.166    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 24.27                           | -2.6               | 21.67      | 0.147    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 23.3                            | -2.6               | 20.70      | 0.117    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 2</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              |           | RB12#6                 | 23.21                           | -2.6               | 20.61      | 0.115    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 23.18                           | -2.6               | 20.58      | 0.114    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 23.17                           | -2.6               | 20.57      | 0.114    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 23.01                           | -2.6               | 20.41      | 0.110    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 23.12                           | -2.6               | 20.52      | 0.113    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 22.79                           | -2.6               | 20.19      | 0.104    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 22.35                           | -2.6               | 19.75      | 0.094    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 22.29                           | -2.6               | 19.69      | 0.093    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 22.23                           | -2.6               | 19.63      | 0.092    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 22.24                           | -2.6               | 19.64      | 0.092    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.08                           | -2.6               | 19.48      | 0.089    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 22.53                           | -2.6               | 19.93      | 0.098    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 22.15                           | -2.6               | 19.55      | 0.090    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 21.36                           | -2.6               | 18.76      | 0.075    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 21.09                           | -2.6               | 18.49      | 0.071    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 21.02                           | -2.6               | 18.42      | 0.070    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 21.28                           | -2.6               | 18.68      | 0.074    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 24.4                            | -2.6               | 21.80      | 0.151    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 24.88                           | -2.6               | 22.28      | 0.169    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 24.39                           | -2.6               | 21.79      | 0.151    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 23.23                           | -2.6               | 20.63      | 0.116    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 23.34                           | -2.6               | 20.74      | 0.119    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 23.2                            | -2.6               | 20.60      | 0.115    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 23.24                           | -2.6               | 20.64      | 0.116    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 23.03                           | -2.6               | 20.43      | 0.110    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 23.28                           | -2.6               | 20.68      | 0.117    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 22.95                           | -2.6               | 20.35      | 0.108    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 22.21                           | -2.6               | 19.61      | 0.091    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 22.39                           | -2.6               | 19.79      | 0.095    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 22.37                           | -2.6               | 19.77      | 0.095    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 22.39                           | -2.6               | 19.79      | 0.095    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.22                           | -2.6               | 19.62      | 0.092    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 22.76                           | -2.6               | 20.16      | 0.104    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 22.22                           | -2.6               | 19.62      | 0.092    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 21.35                           | -2.6               | 18.75      | 0.075    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 21.1                            | -2.6               | 18.50      | 0.071    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 21.06                           | -2.6               | 18.46      | 0.070    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 21.05                           | -2.6               | 18.45      | 0.070    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 2</b> |              |           |                        |                                 |                    |            |          |           |         |
| 10 MHz            | LCH          | QPSK      | RB1#0                  | 24.5                            | -2.6               | 21.90      | 0.155    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 24.73                           | -2.6               | 22.13      | 0.163    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 24.45                           | -2.6               | 21.85      | 0.153    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 23.38                           | -2.6               | 20.78      | 0.120    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 23.35                           | -2.6               | 20.75      | 0.119    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 23.33                           | -2.6               | 20.73      | 0.118    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 23.35                           | -2.6               | 20.75      | 0.119    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 23.09                           | -2.6               | 20.49      | 0.112    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 23.06                           | -2.6               | 20.46      | 0.111    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 22.95                           | -2.6               | 20.35      | 0.108    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 22.22                           | -2.6               | 19.62      | 0.092    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 22.4                            | -2.6               | 19.80      | 0.095    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 22.37                           | -2.6               | 19.77      | 0.095    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 22.12                           | -2.6               | 19.52      | 0.090    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.24                           | -2.6               | 19.64      | 0.092    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 22.96                           | -2.6               | 20.36      | 0.109    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 22.32                           | -2.6               | 19.72      | 0.094    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 21.33                           | -2.6               | 18.73      | 0.075    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 21.43                           | -2.6               | 18.83      | 0.076    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 21.4                            | -2.6               | 18.80      | 0.076    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 21.14                           | -2.6               | 18.54      | 0.071    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 24.43                           | -2.6               | 21.83      | 0.152    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 24.6                            | -2.6               | 22.00      | 0.158    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 24.49                           | -2.6               | 21.89      | 0.155    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 23.37                           | -2.6               | 20.77      | 0.119    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 23.32                           | -2.6               | 20.72      | 0.118    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 23.23                           | -2.6               | 20.63      | 0.116    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 23.31                           | -2.6               | 20.71      | 0.118    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 23.06                           | -2.6               | 20.46      | 0.111    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 23.25                           | -2.6               | 20.65      | 0.116    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 23.15                           | -2.6               | 20.55      | 0.114    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 22.33                           | -2.6               | 19.73      | 0.094    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 22.34                           | -2.6               | 19.74      | 0.094    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 22.4                            | -2.6               | 19.80      | 0.095    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 22.37                           | -2.6               | 19.77      | 0.095    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.26                           | -2.6               | 19.66      | 0.092    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 22.97                           | -2.6               | 20.37      | 0.109    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 22.35                           | -2.6               | 19.75      | 0.094    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 2</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              |           | RB25#0                 | 21.38                           | -2.6               | 18.78      | 0.076    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 21.37                           | -2.6               | 18.77      | 0.075    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 21.06                           | -2.6               | 18.46      | 0.070    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 21.33                           | -2.6               | 18.73      | 0.075    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 24.49                           | -2.6               | 21.89      | 0.155    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 24.64                           | -2.6               | 22.04      | 0.160    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 24.39                           | -2.6               | 21.79      | 0.151    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 23.33                           | -2.6               | 20.73      | 0.118    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 23.35                           | -2.6               | 20.75      | 0.119    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 23.29                           | -2.6               | 20.69      | 0.117    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 23.32                           | -2.6               | 20.72      | 0.118    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 23.22                           | -2.6               | 20.62      | 0.115    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 23.24                           | -2.6               | 20.64      | 0.116    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 23.08                           | -2.6               | 20.48      | 0.112    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 22.33                           | -2.6               | 19.73      | 0.094    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 22.48                           | -2.6               | 19.88      | 0.097    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 22.42                           | -2.6               | 19.82      | 0.096    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 22.38                           | -2.6               | 19.78      | 0.095    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.33                           | -2.6               | 19.73      | 0.094    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 23.04                           | -2.6               | 20.44      | 0.111    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 22.43                           | -2.6               | 19.83      | 0.096    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 21.46                           | -2.6               | 18.86      | 0.077    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 21.45                           | -2.6               | 18.85      | 0.077    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 21.1                            | -2.6               | 18.50      | 0.071    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 21.4                            | -2.6               | 18.80      | 0.076    | 2.000     | Pass    |
| 15 MHz            | LCH          | QPSK      | RB1#0                  | 24.4                            | -2.6               | 21.80      | 0.151    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 24.65                           | -2.6               | 22.05      | 0.160    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 24.31                           | -2.6               | 21.71      | 0.148    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 23.28                           | -2.6               | 20.68      | 0.117    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 23.27                           | -2.6               | 20.67      | 0.117    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 23.19                           | -2.6               | 20.59      | 0.115    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB75#0                 | 23.23                           | -2.6               | 20.63      | 0.116    | 2.000     | Pass    |
|                   |              |           | RB1#0                  | 22.71                           | -2.6               | 20.11      | 0.103    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 23.49                           | -2.6               | 20.89      | 0.123    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 22.93                           | -2.6               | 20.33      | 0.108    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 22.19                           | -2.6               | 19.59      | 0.091    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 22.18                           | -2.6               | 19.58      | 0.091    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 22.24                           | -2.6               | 19.64      | 0.092    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 2</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              | 64-QAM    | RB75#0                 | 22.25                           | -2.6               | 19.65      | 0.092    | 2.000     | Pass    |
|                   |              |           | RB1#0                  | 22.24                           | -2.6               | 19.64      | 0.092    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 22.77                           | -2.6               | 20.17      | 0.104    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 22.18                           | -2.6               | 19.58      | 0.091    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 21.25                           | -2.6               | 18.65      | 0.073    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 21.26                           | -2.6               | 18.66      | 0.073    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 21.14                           | -2.6               | 18.54      | 0.071    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 21.18                           | -2.6               | 18.58      | 0.072    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 24.36                           | -2.6               | 21.76      | 0.150    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 24.68                           | -2.6               | 22.08      | 0.161    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 24.46                           | -2.6               | 21.86      | 0.153    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 23.39                           | -2.6               | 20.79      | 0.120    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 23.23                           | -2.6               | 20.63      | 0.116    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 23.29                           | -2.6               | 20.69      | 0.117    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 23.27                           | -2.6               | 20.67      | 0.117    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.94                           | -2.6               | 20.34      | 0.108    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 23.35                           | -2.6               | 20.75      | 0.119    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 22.45                           | -2.6               | 19.85      | 0.097    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 22.27                           | -2.6               | 19.67      | 0.093    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 22.29                           | -2.6               | 19.69      | 0.093    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 22.25                           | -2.6               | 19.65      | 0.092    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 22.33                           | -2.6               | 19.73      | 0.094    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.51                           | -2.6               | 18.91      | 0.078    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 22.66                           | -2.6               | 20.06      | 0.101    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 22.39                           | -2.6               | 19.79      | 0.095    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 21.33                           | -2.6               | 18.73      | 0.075    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 21.22                           | -2.6               | 18.62      | 0.073    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 21.22                           | -2.6               | 18.62      | 0.073    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 21.04                           | -2.6               | 18.44      | 0.070    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 24.27                           | -2.6               | 21.67      | 0.147    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 24.98                           | -2.6               | 22.38      | 0.173    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 24.29                           | -2.6               | 21.69      | 0.148    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 23.36                           | -2.6               | 20.76      | 0.119    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 23.26                           | -2.6               | 20.66      | 0.116    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 23.22                           | -2.6               | 20.62      | 0.115    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 23.21                           | -2.6               | 20.61      | 0.115    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.52                           | -2.6               | 19.92      | 0.098    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 23.16                           | -2.6               | 20.56      | 0.114    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 2</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              |           | RB1#74                 | 22.92                           | -2.6               | 20.32      | 0.108    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 22.21                           | -2.6               | 19.61      | 0.091    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 22.16                           | -2.6               | 19.56      | 0.090    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 22.16                           | -2.6               | 19.56      | 0.090    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 22.17                           | -2.6               | 19.57      | 0.091    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.55                           | -2.6               | 18.95      | 0.079    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 22.43                           | -2.6               | 19.83      | 0.096    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 22.17                           | -2.6               | 19.57      | 0.091    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 21.26                           | -2.6               | 18.66      | 0.073    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 21.09                           | -2.6               | 18.49      | 0.071    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 21.23                           | -2.6               | 18.63      | 0.073    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 21.21                           | -2.6               | 18.61      | 0.073    | 2.000     | Pass    |
| 20 MHz            | LCH          | QPSK      | RB1#0                  | 24.45                           | -2.6               | 21.85      | 0.153    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 24.75                           | -2.6               | 22.15      | 0.164    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 24.31                           | -2.6               | 21.71      | 0.148    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 23.42                           | -2.6               | 20.82      | 0.121    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 23.33                           | -2.6               | 20.73      | 0.118    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 23.22                           | -2.6               | 20.62      | 0.115    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 23.23                           | -2.6               | 20.63      | 0.116    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 23.06                           | -2.6               | 20.46      | 0.111    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 23.24                           | -2.6               | 20.64      | 0.116    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 23.06                           | -2.6               | 20.46      | 0.111    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 22.45                           | -2.6               | 19.85      | 0.097    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 22.43                           | -2.6               | 19.83      | 0.096    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 22.26                           | -2.6               | 19.66      | 0.092    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 22.25                           | -2.6               | 19.65      | 0.092    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.19                           | -2.6               | 18.59      | 0.072    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 22.41                           | -2.6               | 19.81      | 0.096    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 22.13                           | -2.6               | 19.53      | 0.090    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 21.28                           | -2.6               | 18.68      | 0.074    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 21.32                           | -2.6               | 18.72      | 0.074    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 21.3                            | -2.6               | 18.70      | 0.074    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 21.3                            | -2.6               | 18.70      | 0.074    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 24.35                           | -2.6               | 21.75      | 0.150    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 24.57                           | -2.6               | 21.97      | 0.157    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 24.33                           | -2.6               | 21.73      | 0.149    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 23.34                           | -2.6               | 20.74      | 0.119    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 23.34                           | -2.6               | 20.74      | 0.119    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 2</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              |           | RB50#50                | 23.22                           | -2.6               | 20.62      | 0.115    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 23.28                           | -2.6               | 20.68      | 0.117    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.9                            | -2.6               | 20.30      | 0.107    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 23.09                           | -2.6               | 20.49      | 0.112    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 23.02                           | -2.6               | 20.42      | 0.110    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 22.4                            | -2.6               | 19.80      | 0.095    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 22.3                            | -2.6               | 19.70      | 0.093    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 22.29                           | -2.6               | 19.69      | 0.093    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 22.34                           | -2.6               | 19.74      | 0.094    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.19                           | -2.6               | 19.59      | 0.091    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 22.99                           | -2.6               | 20.39      | 0.109    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 22.28                           | -2.6               | 19.68      | 0.093    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 21.34                           | -2.6               | 18.74      | 0.075    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 21.3                            | -2.6               | 18.70      | 0.074    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 21.23                           | -2.6               | 18.63      | 0.073    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 21.3                            | -2.6               | 18.70      | 0.074    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 24.23                           | -2.6               | 21.63      | 0.146    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 24.54                           | -2.6               | 21.94      | 0.156    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 24.29                           | -2.6               | 21.69      | 0.148    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 23.3                            | -2.6               | 20.70      | 0.117    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 23.2                            | -2.6               | 20.60      | 0.115    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 23.16                           | -2.6               | 20.56      | 0.114    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 23.19                           | -2.6               | 20.59      | 0.115    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 23                              | -2.6               | 20.40      | 0.110    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 23.03                           | -2.6               | 20.43      | 0.110    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 22.94                           | -2.6               | 20.34      | 0.108    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 22.26                           | -2.6               | 19.66      | 0.092    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 22.16                           | -2.6               | 19.56      | 0.090    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 22.23                           | -2.6               | 19.63      | 0.092    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 22.15                           | -2.6               | 19.55      | 0.090    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.06                           | -2.6               | 18.46      | 0.070    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 22.42                           | -2.6               | 19.82      | 0.096    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 22.1                            | -2.6               | 19.50      | 0.089    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 21.3                            | -2.6               | 18.70      | 0.074    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 21.15                           | -2.6               | 18.55      | 0.072    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 21.16                           | -2.6               | 18.56      | 0.072    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 21.2                            | -2.6               | 18.60      | 0.072    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                        |                                 |                    |            |          |           |         |
| 1.4 MHz           | LCH          | QPSK      | RB1#0                  | 24.14                           | -3                 | 21.14      | 0.130    | 1.000     | Pass    |
|                   |              |           | RB1#3                  | 24.2                            | -3                 | 21.20      | 0.132    | 1.000     | Pass    |
|                   |              |           | RB1#5                  | 24.2                            | -3                 | 21.20      | 0.132    | 1.000     | Pass    |
|                   |              |           | RB3#0                  | 24.03                           | -3                 | 21.03      | 0.127    | 1.000     | Pass    |
|                   |              |           | RB3#2                  | 23.97                           | -3                 | 20.97      | 0.125    | 1.000     | Pass    |
|                   |              |           | RB3#3                  | 24.06                           | -3                 | 21.06      | 0.128    | 1.000     | Pass    |
|                   |              |           | RB6#0                  | 22.97                           | -3                 | 19.97      | 0.099    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.89                           | -3                 | 19.89      | 0.097    | 1.000     | Pass    |
|                   |              |           | RB1#3                  | 22.81                           | -3                 | 19.81      | 0.096    | 1.000     | Pass    |
|                   |              |           | RB1#5                  | 22.72                           | -3                 | 19.72      | 0.094    | 1.000     | Pass    |
|                   |              |           | RB3#0                  | 22.97                           | -3                 | 19.97      | 0.099    | 1.000     | Pass    |
|                   |              |           | RB3#2                  | 23.11                           | -3                 | 20.11      | 0.103    | 1.000     | Pass    |
|                   |              |           | RB3#3                  | 23.08                           | -3                 | 20.08      | 0.102    | 1.000     | Pass    |
|                   |              |           | RB6#0                  | 22.14                           | -3                 | 19.14      | 0.082    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.44                           | -3                 | 19.44      | 0.088    | 1.000     | Pass    |
|                   |              |           | RB1#3                  | 22.18                           | -3                 | 19.18      | 0.083    | 1.000     | Pass    |
|                   |              |           | RB1#5                  | 22.25                           | -3                 | 19.25      | 0.084    | 1.000     | Pass    |
|                   |              |           | RB3#0                  | 22.14                           | -3                 | 19.14      | 0.082    | 1.000     | Pass    |
|                   |              |           | RB3#2                  | 22.12                           | -3                 | 19.12      | 0.082    | 1.000     | Pass    |
|                   |              |           | RB3#3                  | 22.14                           | -3                 | 19.14      | 0.082    | 1.000     | Pass    |
|                   |              |           | RB6#0                  | 20.95                           | -3                 | 17.95      | 0.062    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 24.1                            | -3                 | 21.10      | 0.129    | 1.000     | Pass    |
|                   |              |           | RB1#3                  | 24.17                           | -3                 | 21.17      | 0.131    | 1.000     | Pass    |
|                   |              |           | RB1#5                  | 24.09                           | -3                 | 21.09      | 0.129    | 1.000     | Pass    |
|                   |              |           | RB3#0                  | 23.99                           | -3                 | 20.99      | 0.126    | 1.000     | Pass    |
|                   |              |           | RB3#2                  | 24.03                           | -3                 | 21.03      | 0.127    | 1.000     | Pass    |
|                   |              |           | RB3#3                  | 24.1                            | -3                 | 21.10      | 0.129    | 1.000     | Pass    |
|                   |              |           | RB6#0                  | 22.99                           | -3                 | 19.99      | 0.100    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.9                            | -3                 | 19.90      | 0.098    | 1.000     | Pass    |
|                   |              |           | RB1#3                  | 22.83                           | -3                 | 19.83      | 0.096    | 1.000     | Pass    |
|                   |              |           | RB1#5                  | 22.9                            | -3                 | 19.90      | 0.098    | 1.000     | Pass    |
|                   |              |           | RB3#0                  | 22.99                           | -3                 | 19.99      | 0.100    | 1.000     | Pass    |
|                   |              |           | RB3#2                  | 23.02                           | -3                 | 20.02      | 0.100    | 1.000     | Pass    |
|                   |              |           | RB3#3                  | 23.02                           | -3                 | 20.02      | 0.100    | 1.000     | Pass    |
|                   |              |           | RB6#0                  | 21.92                           | -3                 | 18.92      | 0.078    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.06                           | -3                 | 19.06      | 0.081    | 1.000     | Pass    |
|                   |              |           | RB1#3                  | 22.8                            | -3                 | 19.80      | 0.095    | 1.000     | Pass    |
|                   |              |           | RB1#5                  | 22.44                           | -3                 | 19.44      | 0.088    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   | HCH          |           | RB3#0                  | 22.05                           | -3                 | 19.05      | 0.080    | 1.000     | Pass    |
|                   |              |           | RB3#2                  | 22.21                           | -3                 | 19.21      | 0.083    | 1.000     | Pass    |
|                   |              |           | RB3#3                  | 22.08                           | -3                 | 19.08      | 0.081    | 1.000     | Pass    |
|                   |              |           | RB6#0                  | 20.94                           | -3                 | 17.94      | 0.062    | 1.000     | Pass    |
|                   |              | QPSK      | RB1#0                  | 23.99                           | -3                 | 20.99      | 0.126    | 1.000     | Pass    |
|                   |              |           | RB1#3                  | 24.09                           | -3                 | 21.09      | 0.129    | 1.000     | Pass    |
|                   |              |           | RB1#5                  | 24.23                           | -3                 | 21.23      | 0.133    | 1.000     | Pass    |
|                   |              |           | RB3#0                  | 24                              | -3                 | 21.00      | 0.126    | 1.000     | Pass    |
|                   |              |           | RB3#2                  | 23.93                           | -3                 | 20.93      | 0.124    | 1.000     | Pass    |
|                   |              |           | RB3#3                  | 24.04                           | -3                 | 21.04      | 0.127    | 1.000     | Pass    |
|                   |              |           | RB6#0                  | 23                              | -3                 | 20.00      | 0.100    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.69                           | -3                 | 19.69      | 0.093    | 1.000     | Pass    |
|                   |              |           | RB1#3                  | 22.89                           | -3                 | 19.89      | 0.097    | 1.000     | Pass    |
|                   |              |           | RB1#5                  | 22.7                            | -3                 | 19.70      | 0.093    | 1.000     | Pass    |
|                   |              |           | RB3#0                  | 23.03                           | -3                 | 20.03      | 0.101    | 1.000     | Pass    |
|                   |              |           | RB3#2                  | 23.08                           | -3                 | 20.08      | 0.102    | 1.000     | Pass    |
|                   |              |           | RB3#3                  | 23.03                           | -3                 | 20.03      | 0.101    | 1.000     | Pass    |
|                   |              |           | RB6#0                  | 22.17                           | -3                 | 19.17      | 0.083    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.05                           | -3                 | 19.05      | 0.080    | 1.000     | Pass    |
|                   |              |           | RB1#3                  | 22.13                           | -3                 | 19.13      | 0.082    | 1.000     | Pass    |
|                   |              |           | RB1#5                  | 22.05                           | -3                 | 19.05      | 0.080    | 1.000     | Pass    |
|                   |              |           | RB3#0                  | 22.06                           | -3                 | 19.06      | 0.081    | 1.000     | Pass    |
|                   |              |           | RB3#2                  | 22.11                           | -3                 | 19.11      | 0.081    | 1.000     | Pass    |
|                   |              |           | RB3#3                  | 22.21                           | -3                 | 19.21      | 0.083    | 1.000     | Pass    |
|                   |              |           | RB6#0                  | 21.04                           | -3                 | 18.04      | 0.064    | 1.000     | Pass    |
| 3 MHz             | LCH          | QPSK      | RB1#0                  | 24.15                           | -3                 | 21.15      | 0.130    | 1.000     | Pass    |
|                   |              |           | RB1#7                  | 24.38                           | -3                 | 21.38      | 0.137    | 1.000     | Pass    |
|                   |              |           | RB1#14                 | 24.42                           | -3                 | 21.42      | 0.139    | 1.000     | Pass    |
|                   |              |           | RB8#0                  | 23.2                            | -3                 | 20.20      | 0.105    | 1.000     | Pass    |
|                   |              |           | RB8#4                  | 23.26                           | -3                 | 20.26      | 0.106    | 1.000     | Pass    |
|                   |              |           | RB8#7                  | 23.17                           | -3                 | 20.17      | 0.104    | 1.000     | Pass    |
|                   |              |           | RB15#0                 | 22.15                           | -3                 | 19.15      | 0.082    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 23.02                           | -3                 | 20.02      | 0.100    | 1.000     | Pass    |
|                   |              |           | RB1#7                  | 22.63                           | -3                 | 19.63      | 0.092    | 1.000     | Pass    |
|                   |              |           | RB1#14                 | 22.27                           | -3                 | 19.27      | 0.085    | 1.000     | Pass    |
|                   |              |           | RB8#0                  | 22                              | -3                 | 19.00      | 0.079    | 1.000     | Pass    |
|                   |              |           | RB8#4                  | 22.09                           | -3                 | 19.09      | 0.081    | 1.000     | Pass    |
|                   |              |           | RB8#7                  | 22.08                           | -3                 | 19.08      | 0.081    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              | 64-QAM    | RB15#0                 | 22.23                           | -3                 | 19.23      | 0.084    | 1.000     | Pass    |
|                   |              |           | RB1#0                  | 22.11                           | -3                 | 19.11      | 0.081    | 1.000     | Pass    |
|                   |              |           | RB1#7                  | 22.28                           | -3                 | 19.28      | 0.085    | 1.000     | Pass    |
|                   |              |           | RB1#14                 | 22.08                           | -3                 | 19.08      | 0.081    | 1.000     | Pass    |
|                   |              |           | RB8#0                  | 21.11                           | -3                 | 18.11      | 0.065    | 1.000     | Pass    |
|                   |              |           | RB8#4                  | 21                              | -3                 | 18.00      | 0.063    | 1.000     | Pass    |
|                   |              |           | RB8#7                  | 20.88                           | -3                 | 17.88      | 0.061    | 1.000     | Pass    |
|                   |              |           | RB15#0                 | 21.09                           | -3                 | 18.09      | 0.064    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 24.12                           | -3                 | 21.12      | 0.129    | 1.000     | Pass    |
|                   |              |           | RB1#7                  | 24.29                           | -3                 | 21.29      | 0.135    | 1.000     | Pass    |
|                   |              |           | RB1#14                 | 24.13                           | -3                 | 21.13      | 0.130    | 1.000     | Pass    |
|                   |              |           | RB8#0                  | 23.06                           | -3                 | 20.06      | 0.101    | 1.000     | Pass    |
|                   |              |           | RB8#4                  | 23.08                           | -3                 | 20.08      | 0.102    | 1.000     | Pass    |
|                   |              |           | RB8#7                  | 23.05                           | -3                 | 20.05      | 0.101    | 1.000     | Pass    |
|                   |              |           | RB15#0                 | 23.01                           | -3                 | 20.01      | 0.100    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.89                           | -3                 | 19.89      | 0.097    | 1.000     | Pass    |
|                   |              |           | RB1#7                  | 22.64                           | -3                 | 19.64      | 0.092    | 1.000     | Pass    |
|                   |              |           | RB1#14                 | 22.48                           | -3                 | 19.48      | 0.089    | 1.000     | Pass    |
|                   |              |           | RB8#0                  | 22.08                           | -3                 | 19.08      | 0.081    | 1.000     | Pass    |
|                   |              |           | RB8#4                  | 22.19                           | -3                 | 19.19      | 0.083    | 1.000     | Pass    |
|                   |              |           | RB8#7                  | 22.14                           | -3                 | 19.14      | 0.082    | 1.000     | Pass    |
|                   |              |           | RB15#0                 | 22.27                           | -3                 | 19.27      | 0.085    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.47                           | -3                 | 19.47      | 0.089    | 1.000     | Pass    |
|                   |              |           | RB1#7                  | 22.79                           | -3                 | 19.79      | 0.095    | 1.000     | Pass    |
|                   |              |           | RB1#14                 | 22.4                            | -3                 | 19.40      | 0.087    | 1.000     | Pass    |
|                   |              |           | RB8#0                  | 20.99                           | -3                 | 17.99      | 0.063    | 1.000     | Pass    |
|                   |              |           | RB8#4                  | 21.01                           | -3                 | 18.01      | 0.063    | 1.000     | Pass    |
|                   |              |           | RB8#7                  | 20.99                           | -3                 | 17.99      | 0.063    | 1.000     | Pass    |
|                   |              |           | RB15#0                 | 21.02                           | -3                 | 18.02      | 0.063    | 1.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 23.77                           | -3                 | 20.77      | 0.119    | 1.000     | Pass    |
|                   |              |           | RB1#7                  | 24.14                           | -3                 | 21.14      | 0.130    | 1.000     | Pass    |
|                   |              |           | RB1#14                 | 24.13                           | -3                 | 21.13      | 0.130    | 1.000     | Pass    |
|                   |              |           | RB8#0                  | 22.9                            | -3                 | 19.90      | 0.098    | 1.000     | Pass    |
|                   |              |           | RB8#4                  | 22.87                           | -3                 | 19.87      | 0.097    | 1.000     | Pass    |
|                   |              |           | RB8#7                  | 22.94                           | -3                 | 19.94      | 0.099    | 1.000     | Pass    |
|                   |              |           | RB15#0                 | 21.36                           | -3                 | 18.36      | 0.069    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.47                           | -3                 | 19.47      | 0.089    | 1.000     | Pass    |
|                   |              |           | RB1#7                  | 22.69                           | -3                 | 19.69      | 0.093    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              |           | RB1#14                 | 22.78                           | -3                 | 19.78      | 0.095    | 1.000     | Pass    |
|                   |              |           | RB8#0                  | 21.97                           | -3                 | 18.97      | 0.079    | 1.000     | Pass    |
|                   |              |           | RB8#4                  | 21.93                           | -3                 | 18.93      | 0.078    | 1.000     | Pass    |
|                   |              |           | RB8#7                  | 22.07                           | -3                 | 19.07      | 0.081    | 1.000     | Pass    |
|                   |              |           | RB15#0                 | 21.95                           | -3                 | 18.95      | 0.079    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.77                           | -3                 | 18.77      | 0.075    | 1.000     | Pass    |
|                   |              |           | RB1#7                  | 22.31                           | -3                 | 19.31      | 0.085    | 1.000     | Pass    |
|                   |              |           | RB1#14                 | 22.01                           | -3                 | 19.01      | 0.080    | 1.000     | Pass    |
|                   |              |           | RB8#0                  | 20.87                           | -3                 | 17.87      | 0.061    | 1.000     | Pass    |
|                   |              |           | RB8#4                  | 20.82                           | -3                 | 17.82      | 0.061    | 1.000     | Pass    |
|                   |              |           | RB8#7                  | 20.94                           | -3                 | 17.94      | 0.062    | 1.000     | Pass    |
|                   |              |           | RB15#0                 | 20.82                           | -3                 | 17.82      | 0.061    | 1.000     | Pass    |
| 5 MHz             | LCH          | QPSK      | RB1#0                  | 24.07                           | -3                 | 21.07      | 0.128    | 1.000     | Pass    |
|                   |              |           | RB1#13                 | 24.58                           | -3                 | 21.58      | 0.144    | 1.000     | Pass    |
|                   |              |           | RB1#24                 | 24.19                           | -3                 | 21.19      | 0.132    | 1.000     | Pass    |
|                   |              |           | RB12#0                 | 23.18                           | -3                 | 20.18      | 0.104    | 1.000     | Pass    |
|                   |              |           | RB12#6                 | 23.33                           | -3                 | 20.33      | 0.108    | 1.000     | Pass    |
|                   |              |           | RB12#13                | 23.24                           | -3                 | 20.24      | 0.106    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 23.14                           | -3                 | 20.14      | 0.103    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 23.03                           | -3                 | 20.03      | 0.101    | 1.000     | Pass    |
|                   |              |           | RB1#13                 | 23.25                           | -3                 | 20.25      | 0.106    | 1.000     | Pass    |
|                   |              |           | RB1#24                 | 22.76                           | -3                 | 19.76      | 0.095    | 1.000     | Pass    |
|                   |              |           | RB12#0                 | 21.93                           | -3                 | 18.93      | 0.078    | 1.000     | Pass    |
|                   |              |           | RB12#6                 | 22.07                           | -3                 | 19.07      | 0.081    | 1.000     | Pass    |
|                   |              |           | RB12#13                | 22.09                           | -3                 | 19.09      | 0.081    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 22.09                           | -3                 | 19.09      | 0.081    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.98                           | -3                 | 18.98      | 0.079    | 1.000     | Pass    |
|                   |              |           | RB1#13                 | 22.55                           | -3                 | 19.55      | 0.090    | 1.000     | Pass    |
|                   |              |           | RB1#24                 | 22.18                           | -3                 | 19.18      | 0.083    | 1.000     | Pass    |
|                   |              |           | RB12#0                 | 21.33                           | -3                 | 18.33      | 0.068    | 1.000     | Pass    |
|                   |              |           | RB12#6                 | 21.6                            | -3                 | 18.60      | 0.072    | 1.000     | Pass    |
|                   |              |           | RB12#13                | 21.25                           | -3                 | 18.25      | 0.067    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 21.03                           | -3                 | 18.03      | 0.064    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 24.08                           | -3                 | 21.08      | 0.128    | 1.000     | Pass    |
|                   |              |           | RB1#13                 | 24.52                           | -3                 | 21.52      | 0.142    | 1.000     | Pass    |
|                   |              |           | RB1#24                 | 24.2                            | -3                 | 21.20      | 0.132    | 1.000     | Pass    |
|                   |              |           | RB12#0                 | 23.09                           | -3                 | 20.09      | 0.102    | 1.000     | Pass    |
|                   |              |           | RB12#6                 | 23.06                           | -3                 | 20.06      | 0.101    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              | 16-QAM    | RB12#13                | 22.96                           | -3                 | 19.96      | 0.099    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 22.98                           | -3                 | 19.98      | 0.100    | 1.000     | Pass    |
|                   |              |           | RB1#0                  | 22.57                           | -3                 | 19.57      | 0.091    | 1.000     | Pass    |
|                   |              |           | RB1#13                 | 22.8                            | -3                 | 19.80      | 0.095    | 1.000     | Pass    |
|                   |              |           | RB1#24                 | 22.74                           | -3                 | 19.74      | 0.094    | 1.000     | Pass    |
|                   |              |           | RB12#0                 | 22.07                           | -3                 | 19.07      | 0.081    | 1.000     | Pass    |
|                   |              |           | RB12#6                 | 22.13                           | -3                 | 19.13      | 0.082    | 1.000     | Pass    |
|                   |              |           | RB12#13                | 22.03                           | -3                 | 19.03      | 0.080    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 22.04                           | -3                 | 19.04      | 0.080    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.92                           | -3                 | 18.92      | 0.078    | 1.000     | Pass    |
|                   |              |           | RB1#13                 | 22.54                           | -3                 | 19.54      | 0.090    | 1.000     | Pass    |
|                   |              |           | RB1#24                 | 22.05                           | -3                 | 19.05      | 0.080    | 1.000     | Pass    |
|                   |              |           | RB12#0                 | 21.22                           | -3                 | 18.22      | 0.066    | 1.000     | Pass    |
|                   |              |           | RB12#6                 | 21.09                           | -3                 | 18.09      | 0.064    | 1.000     | Pass    |
|                   |              |           | RB12#13                | 20.9                            | -3                 | 17.90      | 0.062    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 21                              | -3                 | 18.00      | 0.063    | 1.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 23.97                           | -3                 | 20.97      | 0.125    | 1.000     | Pass    |
|                   |              |           | RB1#13                 | 24.32                           | -3                 | 21.32      | 0.136    | 1.000     | Pass    |
|                   |              |           | RB1#24                 | 24.29                           | -3                 | 21.29      | 0.135    | 1.000     | Pass    |
|                   |              |           | RB12#0                 | 22.96                           | -3                 | 19.96      | 0.099    | 1.000     | Pass    |
|                   |              |           | RB12#6                 | 22.92                           | -3                 | 19.92      | 0.098    | 1.000     | Pass    |
|                   |              |           | RB12#13                | 22.96                           | -3                 | 19.96      | 0.099    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 21.96                           | -3                 | 18.96      | 0.079    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.76                           | -3                 | 19.76      | 0.095    | 1.000     | Pass    |
|                   |              |           | RB1#13                 | 23.03                           | -3                 | 20.03      | 0.101    | 1.000     | Pass    |
|                   |              |           | RB1#24                 | 23                              | -3                 | 20.00      | 0.100    | 1.000     | Pass    |
|                   |              |           | RB12#0                 | 21.95                           | -3                 | 18.95      | 0.079    | 1.000     | Pass    |
|                   |              |           | RB12#6                 | 22                              | -3                 | 19.00      | 0.079    | 1.000     | Pass    |
|                   |              |           | RB12#13                | 21.84                           | -3                 | 18.84      | 0.077    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 21.74                           | -3                 | 18.74      | 0.075    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.83                           | -3                 | 18.83      | 0.076    | 1.000     | Pass    |
|                   |              |           | RB1#13                 | 22.59                           | -3                 | 19.59      | 0.091    | 1.000     | Pass    |
|                   |              |           | RB1#24                 | 22.16                           | -3                 | 19.16      | 0.082    | 1.000     | Pass    |
|                   |              |           | RB12#0                 | 21.21                           | -3                 | 18.21      | 0.066    | 1.000     | Pass    |
|                   |              |           | RB12#6                 | 20.88                           | -3                 | 17.88      | 0.061    | 1.000     | Pass    |
|                   |              |           | RB12#13                | 20.94                           | -3                 | 17.94      | 0.062    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 20.89                           | -3                 | 17.89      | 0.062    | 1.000     | Pass    |
| 10 MHz            | LCH          | QPSK      | RB1#0                  | 24.24                           | -3                 | 21.24      | 0.133    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              |           | RB1#25                 | 24.68                           | -3                 | 21.68      | 0.147    | 1.000     | Pass    |
|                   |              |           | RB1#49                 | 24.25                           | -3                 | 21.25      | 0.133    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 23.25                           | -3                 | 20.25      | 0.106    | 1.000     | Pass    |
|                   |              |           | RB25#13                | 23.28                           | -3                 | 20.28      | 0.107    | 1.000     | Pass    |
|                   |              |           | RB25#25                | 23.23                           | -3                 | 20.23      | 0.105    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 23.21                           | -3                 | 20.21      | 0.105    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 23.01                           | -3                 | 20.01      | 0.100    | 1.000     | Pass    |
|                   |              |           | RB1#25                 | 23.09                           | -3                 | 20.09      | 0.102    | 1.000     | Pass    |
|                   |              |           | RB1#49                 | 22.9                            | -3                 | 19.90      | 0.098    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 22.24                           | -3                 | 19.24      | 0.084    | 1.000     | Pass    |
|                   |              |           | RB25#13                | 22.4                            | -3                 | 19.40      | 0.087    | 1.000     | Pass    |
|                   |              |           | RB25#25                | 22.19                           | -3                 | 19.19      | 0.083    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 22.18                           | -3                 | 19.18      | 0.083    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.96                           | -3                 | 18.96      | 0.079    | 1.000     | Pass    |
|                   |              |           | RB1#25                 | 22.89                           | -3                 | 19.89      | 0.097    | 1.000     | Pass    |
|                   |              |           | RB1#49                 | 22.2                            | -3                 | 19.20      | 0.083    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 21.39                           | -3                 | 18.39      | 0.069    | 1.000     | Pass    |
|                   |              |           | RB25#13                | 21.42                           | -3                 | 18.42      | 0.070    | 1.000     | Pass    |
|                   |              |           | RB25#25                | 21.37                           | -3                 | 18.37      | 0.069    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 21.12                           | -3                 | 18.12      | 0.065    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 24.36                           | -3                 | 21.36      | 0.137    | 1.000     | Pass    |
|                   |              |           | RB1#25                 | 24.35                           | -3                 | 21.35      | 0.136    | 1.000     | Pass    |
|                   |              |           | RB1#49                 | 24.06                           | -3                 | 21.06      | 0.128    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 23.09                           | -3                 | 20.09      | 0.102    | 1.000     | Pass    |
|                   |              |           | RB25#13                | 23.02                           | -3                 | 20.02      | 0.100    | 1.000     | Pass    |
|                   |              |           | RB25#25                | 22.91                           | -3                 | 19.91      | 0.098    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 23.15                           | -3                 | 20.15      | 0.104    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.41                           | -3                 | 19.41      | 0.087    | 1.000     | Pass    |
|                   |              |           | RB1#25                 | 22.96                           | -3                 | 19.96      | 0.099    | 1.000     | Pass    |
|                   |              |           | RB1#49                 | 22.76                           | -3                 | 19.76      | 0.095    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 22.12                           | -3                 | 19.12      | 0.082    | 1.000     | Pass    |
|                   |              |           | RB25#13                | 22.07                           | -3                 | 19.07      | 0.081    | 1.000     | Pass    |
|                   |              |           | RB25#25                | 21.97                           | -3                 | 18.97      | 0.079    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 22.12                           | -3                 | 19.12      | 0.082    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.25                           | -3                 | 19.25      | 0.084    | 1.000     | Pass    |
|                   |              |           | RB1#25                 | 22.75                           | -3                 | 19.75      | 0.094    | 1.000     | Pass    |
|                   |              |           | RB1#49                 | 21.98                           | -3                 | 18.98      | 0.079    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 21.28                           | -3                 | 18.28      | 0.067    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                        |                                 |                    |            |          |           |         |
| 15 MHz            | HCH          | QPSK      | RB25#13                | 21.2                            | -3                 | 18.20      | 0.066    | 1.000     | Pass    |
|                   |              |           | RB25#25                | 21.19                           | -3                 | 18.19      | 0.066    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 21.16                           | -3                 | 18.16      | 0.065    | 1.000     | Pass    |
|                   |              |           | RB1#0                  | 24.05                           | -3                 | 21.05      | 0.127    | 1.000     | Pass    |
|                   |              |           | RB1#25                 | 24.23                           | -3                 | 21.23      | 0.133    | 1.000     | Pass    |
|                   |              |           | RB1#49                 | 24.29                           | -3                 | 21.29      | 0.135    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 23                              | -3                 | 20.00      | 0.100    | 1.000     | Pass    |
|                   |              |           | RB25#13                | 22.9                            | -3                 | 19.90      | 0.098    | 1.000     | Pass    |
|                   |              |           | RB25#25                | 22.91                           | -3                 | 19.91      | 0.098    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 23.03                           | -3                 | 20.03      | 0.101    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.91                           | -3                 | 19.91      | 0.098    | 1.000     | Pass    |
|                   |              |           | RB1#25                 | 22.95                           | -3                 | 19.95      | 0.099    | 1.000     | Pass    |
|                   |              |           | RB1#49                 | 22.94                           | -3                 | 19.94      | 0.099    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 22.06                           | -3                 | 19.06      | 0.081    | 1.000     | Pass    |
|                   |              |           | RB25#13                | 22.15                           | -3                 | 19.15      | 0.082    | 1.000     | Pass    |
|                   |              |           | RB25#25                | 21.83                           | -3                 | 18.83      | 0.076    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 22.01                           | -3                 | 19.01      | 0.080    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.85                           | -3                 | 18.85      | 0.077    | 1.000     | Pass    |
|                   |              |           | RB1#25                 | 22.17                           | -3                 | 19.17      | 0.083    | 1.000     | Pass    |
|                   |              |           | RB1#49                 | 22.19                           | -3                 | 19.19      | 0.083    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 21.21                           | -3                 | 18.21      | 0.066    | 1.000     | Pass    |
|                   |              |           | RB25#13                | 21.11                           | -3                 | 18.11      | 0.065    | 1.000     | Pass    |
|                   |              |           | RB25#25                | 20.98                           | -3                 | 17.98      | 0.063    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 21.07                           | -3                 | 18.07      | 0.064    | 1.000     | Pass    |
|                   | LCH          | QPSK      | RB1#0                  | 24.34                           | -3                 | 21.34      | 0.136    | 1.000     | Pass    |
|                   |              |           | RB1#38                 | 24.64                           | -3                 | 21.64      | 0.146    | 1.000     | Pass    |
|                   |              |           | RB1#74                 | 24.48                           | -3                 | 21.48      | 0.141    | 1.000     | Pass    |
|                   |              |           | RB36#0                 | 23.35                           | -3                 | 20.35      | 0.108    | 1.000     | Pass    |
|                   |              |           | RB36#19                | 23.3                            | -3                 | 20.30      | 0.107    | 1.000     | Pass    |
|                   |              |           | RB36#39                | 23.12                           | -3                 | 20.12      | 0.103    | 1.000     | Pass    |
|                   |              |           | RB75#0                 | 23.31                           | -3                 | 20.31      | 0.107    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.82                           | -3                 | 19.82      | 0.096    | 1.000     | Pass    |
|                   |              |           | RB1#38                 | 23.18                           | -3                 | 20.18      | 0.104    | 1.000     | Pass    |
|                   |              |           | RB1#74                 | 23.02                           | -3                 | 20.02      | 0.100    | 1.000     | Pass    |
|                   |              |           | RB36#0                 | 22.19                           | -3                 | 19.19      | 0.083    | 1.000     | Pass    |
|                   |              |           | RB36#19                | 22.21                           | -3                 | 19.21      | 0.083    | 1.000     | Pass    |
|                   |              |           | RB36#39                | 22.04                           | -3                 | 19.04      | 0.080    | 1.000     | Pass    |
|                   |              |           | RB75#0                 | 22.14                           | -3                 | 19.14      | 0.082    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              | 64-QAM    | RB1#0                  | 22.1                            | -3                 | 19.10      | 0.081    | 1.000     | Pass    |
|                   |              |           | RB1#38                 | 22.77                           | -3                 | 19.77      | 0.095    | 1.000     | Pass    |
|                   |              |           | RB1#74                 | 22.18                           | -3                 | 19.18      | 0.083    | 1.000     | Pass    |
|                   |              |           | RB36#0                 | 21.3                            | -3                 | 18.30      | 0.068    | 1.000     | Pass    |
|                   |              |           | RB36#19                | 21.25                           | -3                 | 18.25      | 0.067    | 1.000     | Pass    |
|                   |              |           | RB36#39                | 21.07                           | -3                 | 18.07      | 0.064    | 1.000     | Pass    |
|                   |              |           | RB75#0                 | 21.06                           | -3                 | 18.06      | 0.064    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 24.3                            | -3                 | 21.30      | 0.135    | 1.000     | Pass    |
|                   |              |           | RB1#38                 | 24.92                           | -3                 | 21.92      | 0.156    | 1.000     | Pass    |
|                   |              |           | RB1#74                 | 24.21                           | -3                 | 21.21      | 0.132    | 1.000     | Pass    |
|                   |              |           | RB36#0                 | 23.19                           | -3                 | 20.19      | 0.104    | 1.000     | Pass    |
|                   |              |           | RB36#19                | 23.06                           | -3                 | 20.06      | 0.101    | 1.000     | Pass    |
|                   |              |           | RB36#39                | 23                              | -3                 | 20.00      | 0.100    | 1.000     | Pass    |
|                   |              |           | RB75#0                 | 23.07                           | -3                 | 20.07      | 0.102    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.93                           | -3                 | 19.93      | 0.098    | 1.000     | Pass    |
|                   |              |           | RB1#38                 | 23.38                           | -3                 | 20.38      | 0.109    | 1.000     | Pass    |
|                   |              |           | RB1#74                 | 22.63                           | -3                 | 19.63      | 0.092    | 1.000     | Pass    |
|                   |              |           | RB36#0                 | 22.04                           | -3                 | 19.04      | 0.080    | 1.000     | Pass    |
|                   |              |           | RB36#19                | 22.12                           | -3                 | 19.12      | 0.082    | 1.000     | Pass    |
|                   |              |           | RB36#39                | 22.05                           | -3                 | 19.05      | 0.080    | 1.000     | Pass    |
|                   |              |           | RB75#0                 | 22.13                           | -3                 | 19.13      | 0.082    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.25                           | -3                 | 19.25      | 0.084    | 1.000     | Pass    |
|                   |              |           | RB1#38                 | 22.47                           | -3                 | 19.47      | 0.089    | 1.000     | Pass    |
|                   |              |           | RB1#74                 | 22.19                           | -3                 | 19.19      | 0.083    | 1.000     | Pass    |
|                   |              |           | RB36#0                 | 21.28                           | -3                 | 18.28      | 0.067    | 1.000     | Pass    |
|                   |              |           | RB36#19                | 21.17                           | -3                 | 18.17      | 0.066    | 1.000     | Pass    |
|                   |              |           | RB36#39                | 21.01                           | -3                 | 18.01      | 0.063    | 1.000     | Pass    |
|                   |              |           | RB75#0                 | 20.98                           | -3                 | 17.98      | 0.063    | 1.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 24.39                           | -3                 | 21.39      | 0.138    | 1.000     | Pass    |
|                   |              |           | RB1#38                 | 24.56                           | -3                 | 21.56      | 0.143    | 1.000     | Pass    |
|                   |              |           | RB1#74                 | 24.27                           | -3                 | 21.27      | 0.134    | 1.000     | Pass    |
|                   |              |           | RB36#0                 | 23.02                           | -3                 | 20.02      | 0.100    | 1.000     | Pass    |
|                   |              |           | RB36#19                | 22.97                           | -3                 | 19.97      | 0.099    | 1.000     | Pass    |
|                   |              |           | RB36#39                | 22.89                           | -3                 | 19.89      | 0.097    | 1.000     | Pass    |
|                   |              |           | RB75#0                 | 22.95                           | -3                 | 19.95      | 0.099    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.35                           | -3                 | 19.35      | 0.086    | 1.000     | Pass    |
|                   |              |           | RB1#38                 | 22.93                           | -3                 | 19.93      | 0.098    | 1.000     | Pass    |
|                   |              |           | RB1#74                 | 22.95                           | -3                 | 19.95      | 0.099    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                        |                                 |                    |            |          |           |         |
| 20 MHz            | LCH          |           | RB36#0                 | 21.96                           | -3                 | 18.96      | 0.079    | 1.000     | Pass    |
|                   |              |           | RB36#19                | 22.03                           | -3                 | 19.03      | 0.080    | 1.000     | Pass    |
|                   |              |           | RB36#39                | 21.86                           | -3                 | 18.86      | 0.077    | 1.000     | Pass    |
|                   |              |           | RB75#0                 | 22.05                           | -3                 | 19.05      | 0.080    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.28                           | -3                 | 19.28      | 0.085    | 1.000     | Pass    |
|                   |              |           | RB1#38                 | 22.35                           | -3                 | 19.35      | 0.086    | 1.000     | Pass    |
|                   |              |           | RB1#74                 | 22.17                           | -3                 | 19.17      | 0.083    | 1.000     | Pass    |
|                   |              |           | RB36#0                 | 21.14                           | -3                 | 18.14      | 0.065    | 1.000     | Pass    |
|                   |              |           | RB36#19                | 21.1                            | -3                 | 18.10      | 0.065    | 1.000     | Pass    |
|                   |              |           | RB36#39                | 21.03                           | -3                 | 18.03      | 0.064    | 1.000     | Pass    |
|                   |              |           | RB75#0                 | 20.89                           | -3                 | 17.89      | 0.062    | 1.000     | Pass    |
|                   |              |           | RB1#0                  | 24.3                            | -3                 | 21.30      | 0.135    | 1.000     | Pass    |
|                   |              | QPSK      | RB1#50                 | 24.53                           | -3                 | 21.53      | 0.142    | 1.000     | Pass    |
|                   |              |           | RB1#99                 | 24.43                           | -3                 | 21.43      | 0.139    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 23.28                           | -3                 | 20.28      | 0.107    | 1.000     | Pass    |
|                   |              |           | RB50#25                | 23.24                           | -3                 | 20.24      | 0.106    | 1.000     | Pass    |
|                   |              |           | RB50#50                | 23.24                           | -3                 | 20.24      | 0.106    | 1.000     | Pass    |
|                   |              |           | RB100#0                | 23.28                           | -3                 | 20.28      | 0.107    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 23                              | -3                 | 20.00      | 0.100    | 1.000     | Pass    |
|                   |              |           | RB1#50                 | 22.85                           | -3                 | 19.85      | 0.097    | 1.000     | Pass    |
|                   |              |           | RB1#99                 | 23.01                           | -3                 | 20.01      | 0.100    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 22.18                           | -3                 | 19.18      | 0.083    | 1.000     | Pass    |
|                   |              |           | RB50#25                | 22.25                           | -3                 | 19.25      | 0.084    | 1.000     | Pass    |
|                   |              |           | RB50#50                | 22.25                           | -3                 | 19.25      | 0.084    | 1.000     | Pass    |
|                   |              |           | RB100#0                | 22.21                           | -3                 | 19.21      | 0.083    | 1.000     | Pass    |
| 20 MHz            | MCH          | 64-QAM    | RB1#0                  | 22.05                           | -3                 | 19.05      | 0.080    | 1.000     | Pass    |
|                   |              |           | RB1#50                 | 22.87                           | -3                 | 19.87      | 0.097    | 1.000     | Pass    |
|                   |              |           | RB1#99                 | 22.14                           | -3                 | 19.14      | 0.082    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 21.09                           | -3                 | 18.09      | 0.064    | 1.000     | Pass    |
|                   |              |           | RB50#25                | 21.18                           | -3                 | 18.18      | 0.066    | 1.000     | Pass    |
|                   |              |           | RB50#50                | 21.19                           | -3                 | 18.19      | 0.066    | 1.000     | Pass    |
|                   |              |           | RB100#0                | 21.24                           | -3                 | 18.24      | 0.067    | 1.000     | Pass    |
|                   |              | QPSK      | RB1#0                  | 24.29                           | -3                 | 21.29      | 0.135    | 1.000     | Pass    |
|                   |              |           | RB1#50                 | 24.35                           | -3                 | 21.35      | 0.136    | 1.000     | Pass    |
|                   |              |           | RB1#99                 | 24.19                           | -3                 | 21.19      | 0.132    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 23.21                           | -3                 | 20.21      | 0.105    | 1.000     | Pass    |
|                   |              |           | RB50#25                | 23.13                           | -3                 | 20.13      | 0.103    | 1.000     | Pass    |
|                   |              |           | RB50#50                | 23.05                           | -3                 | 20.05      | 0.101    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              | 16-QAM    | RB100#0                | 23.15                           | -3                 | 20.15      | 0.104    | 1.000     | Pass    |
|                   |              |           | RB1#0                  | 22.3                            | -3                 | 19.30      | 0.085    | 1.000     | Pass    |
|                   |              |           | RB1#50                 | 22.87                           | -3                 | 19.87      | 0.097    | 1.000     | Pass    |
|                   |              |           | RB1#99                 | 22.79                           | -3                 | 19.79      | 0.095    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 22.3                            | -3                 | 19.30      | 0.085    | 1.000     | Pass    |
|                   |              |           | RB50#25                | 22.29                           | -3                 | 19.29      | 0.085    | 1.000     | Pass    |
|                   |              |           | RB50#50                | 22.22                           | -3                 | 19.22      | 0.084    | 1.000     | Pass    |
|                   |              |           | RB100#0                | 22.23                           | -3                 | 19.23      | 0.084    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.18                           | -3                 | 19.18      | 0.083    | 1.000     | Pass    |
|                   |              |           | RB1#50                 | 22.27                           | -3                 | 19.27      | 0.085    | 1.000     | Pass    |
|                   |              |           | RB1#99                 | 22.13                           | -3                 | 19.13      | 0.082    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 21.09                           | -3                 | 18.09      | 0.064    | 1.000     | Pass    |
|                   |              |           | RB50#25                | 21.14                           | -3                 | 18.14      | 0.065    | 1.000     | Pass    |
|                   |              |           | RB50#50                | 21.17                           | -3                 | 18.17      | 0.066    | 1.000     | Pass    |
|                   |              |           | RB100#0                | 21.16                           | -3                 | 18.16      | 0.065    | 1.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 24.3                            | -3                 | 21.30      | 0.135    | 1.000     | Pass    |
|                   |              |           | RB1#50                 | 24.26                           | -3                 | 21.26      | 0.134    | 1.000     | Pass    |
|                   |              |           | RB1#99                 | 24.27                           | -3                 | 21.27      | 0.134    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 23.18                           | -3                 | 20.18      | 0.104    | 1.000     | Pass    |
|                   |              |           | RB50#25                | 23                              | -3                 | 20.00      | 0.100    | 1.000     | Pass    |
|                   |              |           | RB50#50                | 22.9                            | -3                 | 19.90      | 0.098    | 1.000     | Pass    |
|                   |              |           | RB100#0                | 23.06                           | -3                 | 20.06      | 0.101    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.9                            | -3                 | 19.90      | 0.098    | 1.000     | Pass    |
|                   |              |           | RB1#50                 | 22.93                           | -3                 | 19.93      | 0.098    | 1.000     | Pass    |
|                   |              |           | RB1#99                 | 22.86                           | -3                 | 19.86      | 0.097    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 22.24                           | -3                 | 19.24      | 0.084    | 1.000     | Pass    |
|                   |              |           | RB50#25                | 22.05                           | -3                 | 19.05      | 0.080    | 1.000     | Pass    |
|                   |              |           | RB50#50                | 21.98                           | -3                 | 18.98      | 0.079    | 1.000     | Pass    |
|                   |              |           | RB100#0                | 22.12                           | -3                 | 19.12      | 0.082    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.13                           | -3                 | 19.13      | 0.082    | 1.000     | Pass    |
|                   |              |           | RB1#50                 | 22.67                           | -3                 | 19.67      | 0.093    | 1.000     | Pass    |
|                   |              |           | RB1#99                 | 22.08                           | -3                 | 19.08      | 0.081    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 21.12                           | -3                 | 18.12      | 0.065    | 1.000     | Pass    |
|                   |              |           | RB50#25                | 21.11                           | -3                 | 18.11      | 0.065    | 1.000     | Pass    |
|                   |              |           | RB50#50                | 20.84                           | -3                 | 17.84      | 0.061    | 1.000     | Pass    |
|                   |              |           | RB100#0                | 21.07                           | -3                 | 18.07      | 0.064    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band 5</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 1.4 MHz           | LCH          | QPSK      | RB1#0                 | 24.05                           | -4.9               | -7.05              | 17.00     | 0.050   | 7.000     | Pass    |
|                   |              |           | RB1#3                 | 24.16                           | -4.9               | -7.05              | 17.11     | 0.051   | 7.000     | Pass    |
|                   |              |           | RB1#5                 | 24.11                           | -4.9               | -7.05              | 17.06     | 0.051   | 7.000     | Pass    |
|                   |              |           | RB3#0                 | 23.99                           | -4.9               | -7.05              | 16.94     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB3#2                 | 24.05                           | -4.9               | -7.05              | 17.00     | 0.050   | 7.000     | Pass    |
|                   |              |           | RB3#3                 | 23.95                           | -4.9               | -7.05              | 16.90     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB6#0                 | 23.94                           | -4.9               | -7.05              | 16.89     | 0.049   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.66                           | -4.9               | -7.05              | 16.61     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB1#3                 | 23.72                           | -4.9               | -7.05              | 16.67     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB1#5                 | 23.59                           | -4.9               | -7.05              | 16.54     | 0.045   | 7.000     | Pass    |
|                   |              |           | RB3#0                 | 23.91                           | -4.9               | -7.05              | 16.86     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB3#2                 | 24.03                           | -4.9               | -7.05              | 16.98     | 0.050   | 7.000     | Pass    |
|                   |              |           | RB3#3                 | 23.96                           | -4.9               | -7.05              | 16.91     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB6#0                 | 23.47                           | -4.9               | -7.05              | 16.42     | 0.044   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 23.45                           | -4.9               | -7.05              | 16.40     | 0.044   | 7.000     | Pass    |
|                   |              |           | RB1#3                 | 23.71                           | -4.9               | -7.05              | 16.66     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB1#5                 | 23.95                           | -4.9               | -7.05              | 16.90     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB3#0                 | 23.48                           | -4.9               | -7.05              | 16.43     | 0.044   | 7.000     | Pass    |
|                   |              |           | RB3#2                 | 23.56                           | -4.9               | -7.05              | 16.51     | 0.045   | 7.000     | Pass    |
|                   |              |           | RB3#3                 | 23.56                           | -4.9               | -7.05              | 16.51     | 0.045   | 7.000     | Pass    |
|                   |              |           | RB6#0                 | 22.37                           | -4.9               | -7.05              | 15.32     | 0.034   | 7.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.83                           | -4.9               | -7.05              | 16.78     | 0.048   | 7.000     | Pass    |
|                   |              |           | RB1#3                 | 24.06                           | -4.9               | -7.05              | 17.01     | 0.050   | 7.000     | Pass    |
|                   |              |           | RB1#5                 | 23.82                           | -4.9               | -7.05              | 16.77     | 0.048   | 7.000     | Pass    |
|                   |              |           | RB3#0                 | 23.74                           | -4.9               | -7.05              | 16.69     | 0.047   | 7.000     | Pass    |
|                   |              |           | RB3#2                 | 23.81                           | -4.9               | -7.05              | 16.76     | 0.047   | 7.000     | Pass    |
|                   |              |           | RB3#3                 | 23.78                           | -4.9               | -7.05              | 16.73     | 0.047   | 7.000     | Pass    |
|                   |              |           | RB6#0                 | 23.87                           | -4.9               | -7.05              | 16.82     | 0.048   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.67                           | -4.9               | -7.05              | 16.62     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB1#3                 | 23.7                            | -4.9               | -7.05              | 16.65     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB1#5                 | 23.35                           | -4.9               | -7.05              | 16.30     | 0.043   | 7.000     | Pass    |
|                   |              |           | RB3#0                 | 23.73                           | -4.9               | -7.05              | 16.68     | 0.047   | 7.000     | Pass    |
|                   |              |           | RB3#2                 | 23.88                           | -4.9               | -7.05              | 16.83     | 0.048   | 7.000     | Pass    |
|                   |              |           | RB3#3                 | 23.84                           | -4.9               | -7.05              | 16.79     | 0.048   | 7.000     | Pass    |
|                   |              |           | RB6#0                 | 23.23                           | -4.9               | -7.05              | 16.18     | 0.041   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 23.32                           | -4.9               | -7.05              | 16.27     | 0.042   | 7.000     | Pass    |
|                   |              |           | RB1#3                 | 23.38                           | -4.9               | -7.05              | 16.33     | 0.043   | 7.000     | Pass    |
|                   |              |           | RB1#5                 | 23.2                            | -4.9               | -7.05              | 16.15     | 0.041   | 7.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band 5</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                   |              |           | RB3#0                 | 23.14                           | -4.9               | -7.05              | 16.09     | 0.041   | 7.000     | Pass    |
|                   |              |           | RB3#2                 | 23.43                           | -4.9               | -7.05              | 16.38     | 0.043   | 7.000     | Pass    |
|                   |              |           | RB3#3                 | 23.33                           | -4.9               | -7.05              | 16.28     | 0.042   | 7.000     | Pass    |
|                   |              |           | RB6#0                 | 22.21                           | -4.9               | -7.05              | 15.16     | 0.033   | 7.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 23.93                           | -4.9               | -7.05              | 16.88     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB1#3                 | 24.24                           | -4.9               | -7.05              | 17.19     | 0.052   | 7.000     | Pass    |
|                   |              |           | RB1#5                 | 24                              | -4.9               | -7.05              | 16.95     | 0.050   | 7.000     | Pass    |
|                   |              |           | RB3#0                 | 23.91                           | -4.9               | -7.05              | 16.86     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB3#2                 | 23.92                           | -4.9               | -7.05              | 16.87     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB3#3                 | 23.89                           | -4.9               | -7.05              | 16.84     | 0.048   | 7.000     | Pass    |
|                   |              |           | RB6#0                 | 23.92                           | -4.9               | -7.05              | 16.87     | 0.049   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.73                           | -4.9               | -7.05              | 16.68     | 0.047   | 7.000     | Pass    |
|                   |              |           | RB1#3                 | 23.72                           | -4.9               | -7.05              | 16.67     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB1#5                 | 23.64                           | -4.9               | -7.05              | 16.59     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB3#0                 | 23.92                           | -4.9               | -7.05              | 16.87     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB3#2                 | 23.99                           | -4.9               | -7.05              | 16.94     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB3#3                 | 23.89                           | -4.9               | -7.05              | 16.84     | 0.048   | 7.000     | Pass    |
|                   |              |           | RB6#0                 | 23.58                           | -4.9               | -7.05              | 16.53     | 0.045   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 23.34                           | -4.9               | -7.05              | 16.29     | 0.043   | 7.000     | Pass    |
|                   |              |           | RB1#3                 | 23.57                           | -4.9               | -7.05              | 16.52     | 0.045   | 7.000     | Pass    |
|                   |              |           | RB1#5                 | 23.24                           | -4.9               | -7.05              | 16.19     | 0.042   | 7.000     | Pass    |
|                   |              |           | RB3#0                 | 23.36                           | -4.9               | -7.05              | 16.31     | 0.043   | 7.000     | Pass    |
|                   |              |           | RB3#2                 | 23.28                           | -4.9               | -7.05              | 16.23     | 0.042   | 7.000     | Pass    |
|                   |              |           | RB3#3                 | 23.28                           | -4.9               | -7.05              | 16.23     | 0.042   | 7.000     | Pass    |
|                   |              |           | RB6#0                 | 22.38                           | -4.9               | -7.05              | 15.33     | 0.034   | 7.000     | Pass    |
| 3 MHz             | LCH          | QPSK      | RB1#0                 | 24.14                           | -4.9               | -7.05              | 17.09     | 0.051   | 7.000     | Pass    |
|                   |              |           | RB1#7                 | 24.25                           | -4.9               | -7.05              | 17.20     | 0.052   | 7.000     | Pass    |
|                   |              |           | RB1#14                | 24.07                           | -4.9               | -7.05              | 17.02     | 0.050   | 7.000     | Pass    |
|                   |              |           | RB8#0                 | 24.13                           | -4.9               | -7.05              | 17.08     | 0.051   | 7.000     | Pass    |
|                   |              |           | RB8#4                 | 24.01                           | -4.9               | -7.05              | 16.96     | 0.050   | 7.000     | Pass    |
|                   |              |           | RB8#7                 | 23.98                           | -4.9               | -7.05              | 16.93     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB15#0                | 24                              | -4.9               | -7.05              | 16.95     | 0.050   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.69                           | -4.9               | -7.05              | 16.64     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB1#7                 | 23.83                           | -4.9               | -7.05              | 16.78     | 0.048   | 7.000     | Pass    |
|                   |              |           | RB1#14                | 23.76                           | -4.9               | -7.05              | 16.71     | 0.047   | 7.000     | Pass    |
|                   |              |           | RB8#0                 | 23.51                           | -4.9               | -7.05              | 16.46     | 0.044   | 7.000     | Pass    |
|                   |              |           | RB8#4                 | 23.49                           | -4.9               | -7.05              | 16.44     | 0.044   | 7.000     | Pass    |
|                   |              |           | RB8#7                 | 23.34                           | -4.9               | -7.05              | 16.29     | 0.043   | 7.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band 5</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                   |              | 64-QAM    | RB15#0                | 23.41                           | -4.9               | -7.05              | 16.36     | 0.043   | 7.000     | Pass    |
|                   |              |           | RB1#0                 | 23.48                           | -4.9               | -7.05              | 16.43     | 0.044   | 7.000     | Pass    |
|                   |              |           | RB1#7                 | 23.79                           | -4.9               | -7.05              | 16.74     | 0.047   | 7.000     | Pass    |
|                   |              |           | RB1#14                | 23.54                           | -4.9               | -7.05              | 16.49     | 0.045   | 7.000     | Pass    |
|                   |              |           | RB8#0                 | 22.45                           | -4.9               | -7.05              | 15.40     | 0.035   | 7.000     | Pass    |
|                   |              |           | RB8#4                 | 22.46                           | -4.9               | -7.05              | 15.41     | 0.035   | 7.000     | Pass    |
|                   |              |           | RB8#7                 | 22.53                           | -4.9               | -7.05              | 15.48     | 0.035   | 7.000     | Pass    |
|                   |              |           | RB15#0                | 22.42                           | -4.9               | -7.05              | 15.37     | 0.034   | 7.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.85                           | -4.9               | -7.05              | 16.80     | 0.048   | 7.000     | Pass    |
|                   |              |           | RB1#7                 | 24.34                           | -4.9               | -7.05              | 17.29     | 0.054   | 7.000     | Pass    |
|                   |              |           | RB1#14                | 24.08                           | -4.9               | -7.05              | 17.03     | 0.050   | 7.000     | Pass    |
|                   |              |           | RB8#0                 | 23.85                           | -4.9               | -7.05              | 16.80     | 0.048   | 7.000     | Pass    |
|                   |              |           | RB8#4                 | 23.77                           | -4.9               | -7.05              | 16.72     | 0.047   | 7.000     | Pass    |
|                   |              |           | RB8#7                 | 23.81                           | -4.9               | -7.05              | 16.76     | 0.047   | 7.000     | Pass    |
|                   |              |           | RB15#0                | 23.78                           | -4.9               | -7.05              | 16.73     | 0.047   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.5                            | -4.9               | -7.05              | 16.45     | 0.044   | 7.000     | Pass    |
|                   |              |           | RB1#7                 | 23.69                           | -4.9               | -7.05              | 16.64     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB1#14                | 23.5                            | -4.9               | -7.05              | 16.45     | 0.044   | 7.000     | Pass    |
|                   |              |           | RB8#0                 | 23.38                           | -4.9               | -7.05              | 16.33     | 0.043   | 7.000     | Pass    |
|                   |              |           | RB8#4                 | 23.28                           | -4.9               | -7.05              | 16.23     | 0.042   | 7.000     | Pass    |
|                   |              |           | RB8#7                 | 23.33                           | -4.9               | -7.05              | 16.28     | 0.042   | 7.000     | Pass    |
|                   |              |           | RB15#0                | 23.15                           | -4.9               | -7.05              | 16.10     | 0.041   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 23.48                           | -4.9               | -7.05              | 16.43     | 0.044   | 7.000     | Pass    |
|                   |              |           | RB1#7                 | 23.72                           | -4.9               | -7.05              | 16.67     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB1#14                | 23.4                            | -4.9               | -7.05              | 16.35     | 0.043   | 7.000     | Pass    |
|                   |              |           | RB8#0                 | 22.36                           | -4.9               | -7.05              | 15.31     | 0.034   | 7.000     | Pass    |
|                   |              |           | RB8#4                 | 22.2                            | -4.9               | -7.05              | 15.15     | 0.033   | 7.000     | Pass    |
|                   |              |           | RB8#7                 | 22.15                           | -4.9               | -7.05              | 15.10     | 0.032   | 7.000     | Pass    |
|                   |              |           | RB15#0                | 22.26                           | -4.9               | -7.05              | 15.21     | 0.033   | 7.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 23.99                           | -4.9               | -7.05              | 16.94     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB1#7                 | 24.19                           | -4.9               | -7.05              | 17.14     | 0.052   | 7.000     | Pass    |
|                   |              |           | RB1#14                | 23.91                           | -4.9               | -7.05              | 16.86     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB8#0                 | 23.99                           | -4.9               | -7.05              | 16.94     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB8#4                 | 24.02                           | -4.9               | -7.05              | 16.97     | 0.050   | 7.000     | Pass    |
|                   |              |           | RB8#7                 | 23.97                           | -4.9               | -7.05              | 16.92     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB15#0                | 23.95                           | -4.9               | -7.05              | 16.90     | 0.049   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.95                           | -4.9               | -7.05              | 16.90     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB1#7                 | 23.75                           | -4.9               | -7.05              | 16.70     | 0.047   | 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 Band 5</b> |              |           |                        |                                 |                     |                     |           |         |           |         |
|                   |              |           | RB1#14                 | 23.65                           | -4.9                | -7.05               | 16.60     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB8#0                  | 23.46                           | -4.9                | -7.05               | 16.41     | 0.044   | 7.000     | Pass    |
|                   |              |           | RB8#4                  | 23.5                            | -4.9                | -7.05               | 16.45     | 0.044   | 7.000     | Pass    |
|                   |              |           | RB8#7                  | 23.51                           | -4.9                | -7.05               | 16.46     | 0.044   | 7.000     | Pass    |
|                   |              |           | RB15#0                 | 23.45                           | -4.9                | -7.05               | 16.40     | 0.044   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 23.45                           | -4.9                | -7.05               | 16.40     | 0.044   | 7.000     | Pass    |
|                   |              |           | RB1#7                  | 23.9                            | -4.9                | -7.05               | 16.85     | 0.048   | 7.000     | Pass    |
|                   |              |           | RB1#14                 | 23.52                           | -4.9                | -7.05               | 16.47     | 0.044   | 7.000     | Pass    |
|                   |              |           | RB8#0                  | 22.54                           | -4.9                | -7.05               | 15.49     | 0.035   | 7.000     | Pass    |
|                   |              |           | RB8#4                  | 22.39                           | -4.9                | -7.05               | 15.34     | 0.034   | 7.000     | Pass    |
|                   |              |           | RB8#7                  | 22.37                           | -4.9                | -7.05               | 15.32     | 0.034   | 7.000     | Pass    |
|                   |              |           | RB15#0                 | 22.39                           | -4.9                | -7.05               | 15.34     | 0.034   | 7.000     | Pass    |
| 5 MHz             | LCH          | QPSK      | RB1#0                  | 23.97                           | -4.9                | -7.05               | 16.92     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB1#13                 | 24.48                           | -4.9                | -7.05               | 17.43     | 0.055   | 7.000     | Pass    |
|                   |              |           | RB1#24                 | 23.91                           | -4.9                | -7.05               | 16.86     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB12#0                 | 23.95                           | -4.9                | -7.05               | 16.90     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB12#6                 | 24.04                           | -4.9                | -7.05               | 16.99     | 0.050   | 7.000     | Pass    |
|                   |              |           | RB12#13                | 24.01                           | -4.9                | -7.05               | 16.96     | 0.050   | 7.000     | Pass    |
|                   |              |           | RB25#0                 | 24.02                           | -4.9                | -7.05               | 16.97     | 0.050   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 23.66                           | -4.9                | -7.05               | 16.61     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB1#13                 | 23.77                           | -4.9                | -7.05               | 16.72     | 0.047   | 7.000     | Pass    |
|                   |              |           | RB1#24                 | 23.45                           | -4.9                | -7.05               | 16.40     | 0.044   | 7.000     | Pass    |
|                   |              |           | RB12#0                 | 23.39                           | -4.9                | -7.05               | 16.34     | 0.043   | 7.000     | Pass    |
|                   |              |           | RB12#6                 | 23.55                           | -4.9                | -7.05               | 16.50     | 0.045   | 7.000     | Pass    |
|                   |              |           | RB12#13                | 23.52                           | -4.9                | -7.05               | 16.47     | 0.044   | 7.000     | Pass    |
|                   |              |           | RB25#0                 | 23.54                           | -4.9                | -7.05               | 16.49     | 0.045   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 23.37                           | -4.9                | -7.05               | 16.32     | 0.043   | 7.000     | Pass    |
|                   |              |           | RB1#13                 | 24.04                           | -4.9                | -7.05               | 16.99     | 0.050   | 7.000     | Pass    |
|                   |              |           | RB1#24                 | 23.31                           | -4.9                | -7.05               | 16.26     | 0.042   | 7.000     | Pass    |
|                   |              |           | RB12#0                 | 22.58                           | -4.9                | -7.05               | 15.53     | 0.036   | 7.000     | Pass    |
|                   |              |           | RB12#6                 | 22.65                           | -4.9                | -7.05               | 15.60     | 0.036   | 7.000     | Pass    |
|                   |              |           | RB12#13                | 22.43                           | -4.9                | -7.05               | 15.38     | 0.035   | 7.000     | Pass    |
|                   |              |           | RB25#0                 | 22.54                           | -4.9                | -7.05               | 15.49     | 0.035   | 7.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 24                              | -4.9                | -7.05               | 16.95     | 0.050   | 7.000     | Pass    |
|                   |              |           | RB1#13                 | 24.74                           | -4.9                | -7.05               | 17.69     | 0.059   | 7.000     | Pass    |
|                   |              |           | RB1#24                 | 23.97                           | -4.9                | -7.05               | 16.92     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB12#0                 | 23.81                           | -4.9                | -7.05               | 16.76     | 0.047   | 7.000     | Pass    |
|                   |              |           | RB12#6                 | 23.83                           | -4.9                | -7.05               | 16.78     | 0.048   | 7.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band 5</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                   |              |           | RB12#13               | 23.88                           | -4.9               | -7.05              | 16.83     | 0.048   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 23.87                           | -4.9               | -7.05              | 16.82     | 0.048   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.6                            | -4.9               | -7.05              | 16.55     | 0.045   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 23.6                            | -4.9               | -7.05              | 16.55     | 0.045   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 23.51                           | -4.9               | -7.05              | 16.46     | 0.044   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 23.29                           | -4.9               | -7.05              | 16.24     | 0.042   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 23.4                            | -4.9               | -7.05              | 16.35     | 0.043   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 23.34                           | -4.9               | -7.05              | 16.29     | 0.043   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 23.33                           | -4.9               | -7.05              | 16.28     | 0.042   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 23.29                           | -4.9               | -7.05              | 16.24     | 0.042   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 23.6                            | -4.9               | -7.05              | 16.55     | 0.045   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 23.34                           | -4.9               | -7.05              | 16.29     | 0.043   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 22.45                           | -4.9               | -7.05              | 15.40     | 0.035   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 22.44                           | -4.9               | -7.05              | 15.39     | 0.035   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 22.29                           | -4.9               | -7.05              | 15.24     | 0.033   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 22.36                           | -4.9               | -7.05              | 15.31     | 0.034   | 7.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 23.97                           | -4.9               | -7.05              | 16.92     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 24.43                           | -4.9               | -7.05              | 17.38     | 0.055   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 23.96                           | -4.9               | -7.05              | 16.91     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 23.92                           | -4.9               | -7.05              | 16.87     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 23.95                           | -4.9               | -7.05              | 16.90     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 23.92                           | -4.9               | -7.05              | 16.87     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 23.97                           | -4.9               | -7.05              | 16.92     | 0.049   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.75                           | -4.9               | -7.05              | 16.70     | 0.047   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 23.62                           | -4.9               | -7.05              | 16.57     | 0.045   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 23.39                           | -4.9               | -7.05              | 16.34     | 0.043   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 23.35                           | -4.9               | -7.05              | 16.30     | 0.043   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 23.6                            | -4.9               | -7.05              | 16.55     | 0.045   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 23.47                           | -4.9               | -7.05              | 16.42     | 0.044   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 23.52                           | -4.9               | -7.05              | 16.47     | 0.044   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 23.25                           | -4.9               | -7.05              | 16.20     | 0.042   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 23.82                           | -4.9               | -7.05              | 16.77     | 0.048   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 23.34                           | -4.9               | -7.05              | 16.29     | 0.043   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 22.59                           | -4.9               | -7.05              | 15.54     | 0.036   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 22.64                           | -4.9               | -7.05              | 15.59     | 0.036   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 22.54                           | -4.9               | -7.05              | 15.49     | 0.035   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 22.63                           | -4.9               | -7.05              | 15.58     | 0.036   | 7.000     | Pass    |
| 10 MHz            | LCH          | QPSK      | RB1#0                 | 24.04                           | -4.9               | -7.05              | 16.99     | 0.050   | 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 Band 5</b> |              |           |                        |                                 |                     |                     |           |         |           |         |
|                   |              |           | RB1#25                 | 24.32                           | -4.9                | -7.05               | 17.27     | 0.053   | 7.000     | Pass    |
|                   |              |           | RB1#49                 | 24.12                           | -4.9                | -7.05               | 17.07     | 0.051   | 7.000     | Pass    |
|                   |              |           | RB25#0                 | 24.04                           | -4.9                | -7.05               | 16.99     | 0.050   | 7.000     | Pass    |
|                   |              |           | RB25#13                | 24                              | -4.9                | -7.05               | 16.95     | 0.050   | 7.000     | Pass    |
|                   |              |           | RB25#25                | 24.01                           | -4.9                | -7.05               | 16.96     | 0.050   | 7.000     | Pass    |
|                   |              |           | RB50#0                 | 23.96                           | -4.9                | -7.05               | 16.91     | 0.049   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 23.81                           | -4.9                | -7.05               | 16.76     | 0.047   | 7.000     | Pass    |
|                   |              |           | RB1#25                 | 23.72                           | -4.9                | -7.05               | 16.67     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB1#49                 | 23.69                           | -4.9                | -7.05               | 16.64     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB25#0                 | 23.67                           | -4.9                | -7.05               | 16.62     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB25#13                | 23.61                           | -4.9                | -7.05               | 16.56     | 0.045   | 7.000     | Pass    |
|                   |              |           | RB25#25                | 23.64                           | -4.9                | -7.05               | 16.59     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB50#0                 | 23.59                           | -4.9                | -7.05               | 16.54     | 0.045   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 23.49                           | -4.9                | -7.05               | 16.44     | 0.044   | 7.000     | Pass    |
|                   |              |           | RB1#25                 | 23.65                           | -4.9                | -7.05               | 16.60     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB1#49                 | 23.52                           | -4.9                | -7.05               | 16.47     | 0.044   | 7.000     | Pass    |
|                   |              |           | RB25#0                 | 22.82                           | -4.9                | -7.05               | 15.77     | 0.038   | 7.000     | Pass    |
|                   |              |           | RB25#13                | 22.79                           | -4.9                | -7.05               | 15.74     | 0.037   | 7.000     | Pass    |
|                   |              |           | RB25#25                | 22.82                           | -4.9                | -7.05               | 15.77     | 0.038   | 7.000     | Pass    |
|                   |              |           | RB50#0                 | 22.59                           | -4.9                | -7.05               | 15.54     | 0.036   | 7.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 24.12                           | -4.9                | -7.05               | 17.07     | 0.051   | 7.000     | Pass    |
|                   |              |           | RB1#25                 | 24.16                           | -4.9                | -7.05               | 17.11     | 0.051   | 7.000     | Pass    |
|                   |              |           | RB1#49                 | 23.96                           | -4.9                | -7.05               | 16.91     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB25#0                 | 23.95                           | -4.9                | -7.05               | 16.90     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB25#13                | 23.94                           | -4.9                | -7.05               | 16.89     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB25#25                | 23.88                           | -4.9                | -7.05               | 16.83     | 0.048   | 7.000     | Pass    |
|                   |              |           | RB50#0                 | 23.92                           | -4.9                | -7.05               | 16.87     | 0.049   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 23.81                           | -4.9                | -7.05               | 16.76     | 0.047   | 7.000     | Pass    |
|                   |              |           | RB1#25                 | 23.64                           | -4.9                | -7.05               | 16.59     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB1#49                 | 23.67                           | -4.9                | -7.05               | 16.62     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB25#0                 | 23.5                            | -4.9                | -7.05               | 16.45     | 0.044   | 7.000     | Pass    |
|                   |              |           | RB25#13                | 23.49                           | -4.9                | -7.05               | 16.44     | 0.044   | 7.000     | Pass    |
|                   |              |           | RB25#25                | 23.43                           | -4.9                | -7.05               | 16.38     | 0.043   | 7.000     | Pass    |
|                   |              |           | RB50#0                 | 23.48                           | -4.9                | -7.05               | 16.43     | 0.044   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 23.62                           | -4.9                | -7.05               | 16.57     | 0.045   | 7.000     | Pass    |
|                   |              |           | RB1#25                 | 24.1                            | -4.9                | -7.05               | 17.05     | 0.051   | 7.000     | Pass    |
|                   |              |           | RB1#49                 | 23.34                           | -4.9                | -7.05               | 16.29     | 0.043   | 7.000     | Pass    |
|                   |              |           | RB25#0                 | 22.58                           | -4.9                | -7.05               | 15.53     | 0.036   | 7.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band 5</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                   |              |           | RB25#13               | 22.59                           | -4.9               | -7.05              | 15.54     | 0.036   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 22.55                           | -4.9               | -7.05              | 15.50     | 0.035   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 22.41                           | -4.9               | -7.05              | 15.36     | 0.034   | 7.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 23.99                           | -4.9               | -7.05              | 16.94     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 24.25                           | -4.9               | -7.05              | 17.20     | 0.052   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 24.08                           | -4.9               | -7.05              | 17.03     | 0.050   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 23.84                           | -4.9               | -7.05              | 16.79     | 0.048   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 23.93                           | -4.9               | -7.05              | 16.88     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 23.93                           | -4.9               | -7.05              | 16.88     | 0.049   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 23.95                           | -4.9               | -7.05              | 16.90     | 0.049   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.54                           | -4.9               | -7.05              | 16.49     | 0.045   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 23.74                           | -4.9               | -7.05              | 16.69     | 0.047   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 23.53                           | -4.9               | -7.05              | 16.48     | 0.044   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 23.4                            | -4.9               | -7.05              | 16.35     | 0.043   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 23.45                           | -4.9               | -7.05              | 16.40     | 0.044   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 23.57                           | -4.9               | -7.05              | 16.52     | 0.045   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 23.53                           | -4.9               | -7.05              | 16.48     | 0.044   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 23.4                            | -4.9               | -7.05              | 16.35     | 0.043   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 23.7                            | -4.9               | -7.05              | 16.65     | 0.046   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 23.41                           | -4.9               | -7.05              | 16.36     | 0.043   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 22.61                           | -4.9               | -7.05              | 15.56     | 0.036   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 22.66                           | -4.9               | -7.05              | 15.61     | 0.036   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 22.4                            | -4.9               | -7.05              | 15.35     | 0.034   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 22.41                           | -4.9               | -7.05              | 15.36     | 0.034   | 7.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 7</b> |              |           |                        |                                 |                    |            |          |           |         |
| 5 MHz             | LCH          | QPSK      | RB1#0                  | 24.01                           | 0.3                | 24.31      | 0.270    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 24.42                           | 0.3                | 24.72      | 0.296    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 23.96                           | 0.3                | 24.26      | 0.267    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 23.02                           | 0.3                | 23.32      | 0.215    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 22.96                           | 0.3                | 23.26      | 0.212    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 22.93                           | 0.3                | 23.23      | 0.210    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 22.95                           | 0.3                | 23.25      | 0.211    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.79                           | 0.3                | 23.09      | 0.204    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 23.39                           | 0.3                | 23.69      | 0.234    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 22.74                           | 0.3                | 23.04      | 0.201    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 22.06                           | 0.3                | 22.36      | 0.172    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 22.17                           | 0.3                | 22.47      | 0.177    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 22.03                           | 0.3                | 22.33      | 0.171    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 22.24                           | 0.3                | 22.54      | 0.179    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.86                           | 0.3                | 22.16      | 0.164    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 22.46                           | 0.3                | 22.76      | 0.189    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 22                              | 0.3                | 22.30      | 0.170    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 21.35                           | 0.3                | 21.65      | 0.146    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 21.38                           | 0.3                | 21.68      | 0.147    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 20.93                           | 0.3                | 21.23      | 0.133    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 20.91                           | 0.3                | 21.21      | 0.132    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 24.15                           | 0.3                | 24.45      | 0.279    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 24.63                           | 0.3                | 24.93      | 0.311    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 24.17                           | 0.3                | 24.47      | 0.280    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 23.15                           | 0.3                | 23.45      | 0.221    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 23.11                           | 0.3                | 23.41      | 0.219    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 23.04                           | 0.3                | 23.34      | 0.216    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 23.01                           | 0.3                | 23.31      | 0.214    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.72                           | 0.3                | 23.02      | 0.200    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 22.89                           | 0.3                | 23.19      | 0.208    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 22.74                           | 0.3                | 23.04      | 0.201    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 22.07                           | 0.3                | 22.37      | 0.173    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 22.14                           | 0.3                | 22.44      | 0.175    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 22.04                           | 0.3                | 22.34      | 0.171    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 22.03                           | 0.3                | 22.33      | 0.171    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.08                           | 0.3                | 22.38      | 0.173    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 22.42                           | 0.3                | 22.72      | 0.187    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 21.97                           | 0.3                | 22.27      | 0.169    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 7</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              |           | RB12#0                 | 21.15                           | 0.3                | 21.45      | 0.140    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 21.21                           | 0.3                | 21.51      | 0.142    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 21.15                           | 0.3                | 21.45      | 0.140    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 20.89                           | 0.3                | 21.19      | 0.132    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 24.15                           | 0.3                | 24.45      | 0.279    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 24.67                           | 0.3                | 24.97      | 0.314    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 24.24                           | 0.3                | 24.54      | 0.284    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 23.17                           | 0.3                | 23.47      | 0.222    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 23.1                            | 0.3                | 23.40      | 0.219    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 23.07                           | 0.3                | 23.37      | 0.217    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 23.08                           | 0.3                | 23.38      | 0.218    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.96                           | 0.3                | 23.26      | 0.212    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 23.08                           | 0.3                | 23.38      | 0.218    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 22.84                           | 0.3                | 23.14      | 0.206    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 22.17                           | 0.3                | 22.47      | 0.177    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 22.21                           | 0.3                | 22.51      | 0.178    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 22.05                           | 0.3                | 22.35      | 0.172    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 22.11                           | 0.3                | 22.41      | 0.174    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.03                           | 0.3                | 22.33      | 0.171    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 22.59                           | 0.3                | 22.89      | 0.195    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 22.06                           | 0.3                | 22.36      | 0.172    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 21.2                            | 0.3                | 21.50      | 0.141    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 21.23                           | 0.3                | 21.53      | 0.142    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 20.91                           | 0.3                | 21.21      | 0.132    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 21.03                           | 0.3                | 21.33      | 0.136    | 2.000     | Pass    |
| 10 MHz            | LCH          | QPSK      | RB1#0                  | 24.35                           | 0.3                | 24.65      | 0.292    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 24.56                           | 0.3                | 24.86      | 0.306    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 24.04                           | 0.3                | 24.34      | 0.272    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 23.12                           | 0.3                | 23.42      | 0.220    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 23.06                           | 0.3                | 23.36      | 0.217    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 22.92                           | 0.3                | 23.22      | 0.210    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB50#0                 | 22.99                           | 0.3                | 23.29      | 0.213    | 2.000     | Pass    |
|                   |              |           | RB1#0                  | 22.76                           | 0.3                | 23.06      | 0.202    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 22.97                           | 0.3                | 23.27      | 0.212    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 22.85                           | 0.3                | 23.15      | 0.207    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 22.03                           | 0.3                | 22.33      | 0.171    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 22.32                           | 0.3                | 22.62      | 0.183    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 22.34                           | 0.3                | 22.64      | 0.184    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 7</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              | 64-QAM    | RB50#0                 | 22.08                           | 0.3                | 22.38      | 0.173    | 2.000     | Pass    |
|                   |              |           | RB1#0                  | 22.15                           | 0.3                | 22.45      | 0.176    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 22.64                           | 0.3                | 22.94      | 0.197    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 21.98                           | 0.3                | 22.28      | 0.169    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 21.23                           | 0.3                | 21.53      | 0.142    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 20.95                           | 0.3                | 21.25      | 0.133    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 20.94                           | 0.3                | 21.24      | 0.133    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 21.01                           | 0.3                | 21.31      | 0.135    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 24.33                           | 0.3                | 24.63      | 0.290    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 24.4                            | 0.3                | 24.70      | 0.295    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 24.15                           | 0.3                | 24.45      | 0.279    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 23.12                           | 0.3                | 23.42      | 0.220    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 23.12                           | 0.3                | 23.42      | 0.220    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 23.05                           | 0.3                | 23.35      | 0.216    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 23.09                           | 0.3                | 23.39      | 0.218    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 23.06                           | 0.3                | 23.36      | 0.217    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 22.98                           | 0.3                | 23.28      | 0.213    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 22.84                           | 0.3                | 23.14      | 0.206    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 22.11                           | 0.3                | 22.41      | 0.174    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 22.39                           | 0.3                | 22.69      | 0.186    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 22.05                           | 0.3                | 22.35      | 0.172    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 22.29                           | 0.3                | 22.59      | 0.182    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.18                           | 0.3                | 22.48      | 0.177    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 22.78                           | 0.3                | 23.08      | 0.203    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 22.13                           | 0.3                | 22.43      | 0.175    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 21.27                           | 0.3                | 21.57      | 0.144    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 21.27                           | 0.3                | 21.57      | 0.144    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 21.2                            | 0.3                | 21.50      | 0.141    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 21.06                           | 0.3                | 21.36      | 0.137    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 24.31                           | 0.3                | 24.61      | 0.289    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 24.62                           | 0.3                | 24.92      | 0.310    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 24.46                           | 0.3                | 24.76      | 0.299    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 23.25                           | 0.3                | 23.55      | 0.226    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 23.2                            | 0.3                | 23.50      | 0.224    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 23.09                           | 0.3                | 23.39      | 0.218    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 23.18                           | 0.3                | 23.48      | 0.223    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 23.22                           | 0.3                | 23.52      | 0.225    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 23.01                           | 0.3                | 23.31      | 0.214    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 7</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              |           | RB1#49                 | 22.98                           | 0.3                | 23.28      | 0.213    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 22.22                           | 0.3                | 22.52      | 0.179    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 22.26                           | 0.3                | 22.56      | 0.180    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 22.15                           | 0.3                | 22.45      | 0.176    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 22.32                           | 0.3                | 22.62      | 0.183    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.27                           | 0.3                | 22.57      | 0.181    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 22.8                            | 0.3                | 23.10      | 0.204    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 22.01                           | 0.3                | 22.31      | 0.170    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 21.34                           | 0.3                | 21.64      | 0.146    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 21.37                           | 0.3                | 21.67      | 0.147    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 21.13                           | 0.3                | 21.43      | 0.139    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 21.17                           | 0.3                | 21.47      | 0.140    | 2.000     | Pass    |
| 15 MHz            | LCH          | QPSK      | RB1#0                  | 24.4                            | 0.3                | 24.70      | 0.295    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 24.55                           | 0.3                | 24.85      | 0.305    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 24.16                           | 0.3                | 24.46      | 0.279    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 23.12                           | 0.3                | 23.42      | 0.220    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 23.03                           | 0.3                | 23.33      | 0.215    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 23.03                           | 0.3                | 23.33      | 0.215    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 23.01                           | 0.3                | 23.31      | 0.214    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 23                              | 0.3                | 23.30      | 0.214    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 23.49                           | 0.3                | 23.79      | 0.239    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 22.89                           | 0.3                | 23.19      | 0.208    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 22.1                            | 0.3                | 22.40      | 0.174    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 22.04                           | 0.3                | 22.34      | 0.171    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 21.94                           | 0.3                | 22.24      | 0.167    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 22.19                           | 0.3                | 22.49      | 0.177    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.14                           | 0.3                | 22.44      | 0.175    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 22.4                            | 0.3                | 22.70      | 0.186    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 21.97                           | 0.3                | 22.27      | 0.169    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 21.15                           | 0.3                | 21.45      | 0.140    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 21.16                           | 0.3                | 21.46      | 0.140    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 21.05                           | 0.3                | 21.35      | 0.136    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 21.01                           | 0.3                | 21.31      | 0.135    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 24.32                           | 0.3                | 24.62      | 0.290    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 24.53                           | 0.3                | 24.83      | 0.304    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 24.27                           | 0.3                | 24.57      | 0.286    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 23.14                           | 0.3                | 23.44      | 0.221    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 23.12                           | 0.3                | 23.42      | 0.220    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 7</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              | 16-QAM    | RB36#39                | 23.03                           | 0.3                | 23.33      | 0.215    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 23.06                           | 0.3                | 23.36      | 0.217    | 2.000     | Pass    |
|                   |              |           | RB1#0                  | 22.99                           | 0.3                | 23.29      | 0.213    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 23.38                           | 0.3                | 23.68      | 0.233    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 22.88                           | 0.3                | 23.18      | 0.208    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 22.22                           | 0.3                | 22.52      | 0.179    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 22.21                           | 0.3                | 22.51      | 0.178    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 22.11                           | 0.3                | 22.41      | 0.174    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 22.05                           | 0.3                | 22.35      | 0.172    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.34                           | 0.3                | 22.64      | 0.184    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 22.53                           | 0.3                | 22.83      | 0.192    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 22                              | 0.3                | 22.30      | 0.170    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 21.21                           | 0.3                | 21.51      | 0.142    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 21.2                            | 0.3                | 21.50      | 0.141    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 21.11                           | 0.3                | 21.41      | 0.138    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 21.21                           | 0.3                | 21.51      | 0.142    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 24.25                           | 0.3                | 24.55      | 0.285    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 24.77                           | 0.3                | 25.07      | 0.321    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 24.39                           | 0.3                | 24.69      | 0.294    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 23.22                           | 0.3                | 23.52      | 0.225    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 23.21                           | 0.3                | 23.51      | 0.224    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 23.16                           | 0.3                | 23.46      | 0.222    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 23.05                           | 0.3                | 23.35      | 0.216    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 23.06                           | 0.3                | 23.36      | 0.217    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 23.6                            | 0.3                | 23.90      | 0.245    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 23.06                           | 0.3                | 23.36      | 0.217    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 22.26                           | 0.3                | 22.56      | 0.180    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 22.23                           | 0.3                | 22.53      | 0.179    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 22.13                           | 0.3                | 22.43      | 0.175    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 22.18                           | 0.3                | 22.48      | 0.177    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.22                           | 0.3                | 22.52      | 0.179    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 22.54                           | 0.3                | 22.84      | 0.192    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 21.39                           | 0.3                | 21.69      | 0.148    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 20.99                           | 0.3                | 21.29      | 0.135    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 21.4                            | 0.3                | 21.70      | 0.148    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 21.15                           | 0.3                | 21.45      | 0.140    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 21.22                           | 0.3                | 21.52      | 0.142    | 2.000     | Pass    |
| 20 MHz            | LCH          | QPSK      | RB1#0                  | 24.35                           | 0.3                | 24.65      | 0.292    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 7</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              |           | RB1#50                 | 24.59                           | 0.3                | 24.89      | 0.308    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 24.14                           | 0.3                | 24.44      | 0.278    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 23.16                           | 0.3                | 23.46      | 0.222    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 23.06                           | 0.3                | 23.36      | 0.217    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 22.98                           | 0.3                | 23.28      | 0.213    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 22.98                           | 0.3                | 23.28      | 0.213    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.73                           | 0.3                | 23.03      | 0.201    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 22.99                           | 0.3                | 23.29      | 0.213    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 22.7                            | 0.3                | 23.00      | 0.200    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 22.18                           | 0.3                | 22.48      | 0.177    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 22.16                           | 0.3                | 22.46      | 0.176    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 22.09                           | 0.3                | 22.39      | 0.173    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 22.05                           | 0.3                | 22.35      | 0.172    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22                              | 0.3                | 22.30      | 0.170    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 22.79                           | 0.3                | 23.09      | 0.204    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 21.98                           | 0.3                | 22.28      | 0.169    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 21.07                           | 0.3                | 21.37      | 0.137    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 21.07                           | 0.3                | 21.37      | 0.137    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 20.97                           | 0.3                | 21.27      | 0.134    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 21                              | 0.3                | 21.30      | 0.135    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 24.43                           | 0.3                | 24.73      | 0.297    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 24.42                           | 0.3                | 24.72      | 0.296    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 24.21                           | 0.3                | 24.51      | 0.282    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 23.14                           | 0.3                | 23.44      | 0.221    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 23.1                            | 0.3                | 23.40      | 0.219    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 23.05                           | 0.3                | 23.35      | 0.216    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 23.06                           | 0.3                | 23.36      | 0.217    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.94                           | 0.3                | 23.24      | 0.211    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 23.16                           | 0.3                | 23.46      | 0.222    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 22.72                           | 0.3                | 23.02      | 0.200    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 22.15                           | 0.3                | 22.45      | 0.176    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 22.2                            | 0.3                | 22.50      | 0.178    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 22.13                           | 0.3                | 22.43      | 0.175    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 22.14                           | 0.3                | 22.44      | 0.175    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 22.08                           | 0.3                | 22.38      | 0.173    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 22.8                            | 0.3                | 23.10      | 0.204    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 22.06                           | 0.3                | 22.36      | 0.172    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 21.31                           | 0.3                | 21.61      | 0.145    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 7</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB50#25               | 21.07                           | 0.3                | 21.37      | 0.137    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 21.04                           | 0.3                | 21.34      | 0.136    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 21.05                           | 0.3                | 21.35      | 0.136    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 24.26                           | 0.3                | 24.56      | 0.286    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 24.4                            | 0.3                | 24.70      | 0.295    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 24.25                           | 0.3                | 24.55      | 0.285    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 23.01                           | 0.3                | 23.31      | 0.214    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 22.96                           | 0.3                | 23.26      | 0.212    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 23                              | 0.3                | 23.30      | 0.214    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 21.54                           | 0.3                | 21.84      | 0.153    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.89                           | 0.3                | 23.19      | 0.208    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 22.89                           | 0.3                | 23.19      | 0.208    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 22.67                           | 0.3                | 22.97      | 0.198    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 22.16                           | 0.3                | 22.46      | 0.176    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 22.01                           | 0.3                | 22.31      | 0.170    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 21.98                           | 0.3                | 22.28      | 0.169    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 22.05                           | 0.3                | 22.35      | 0.172    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 22.27                           | 0.3                | 22.57      | 0.181    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 22.15                           | 0.3                | 22.45      | 0.176    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 22.05                           | 0.3                | 22.35      | 0.172    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 21.14                           | 0.3                | 21.44      | 0.139    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 21.02                           | 0.3                | 21.32      | 0.136    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 21.08                           | 0.3                | 21.38      | 0.137    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 21.06                           | 0.3                | 21.36      | 0.137    | 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 Band13</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 5 MHz             | LCH          | QPSK      | RB1#0                 | 24.13                           | -5.2               | -7.35              | 16.78     | 0.048   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 24.48                           | -5.2               | -7.35              | 17.13     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 23.99                           | -5.2               | -7.35              | 16.64     | 0.046   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 23.33                           | -5.2               | -7.35              | 15.98     | 0.040   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 23.23                           | -5.2               | -7.35              | 15.88     | 0.039   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 23.17                           | -5.2               | -7.35              | 15.82     | 0.038   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 23.27                           | -5.2               | -7.35              | 15.92     | 0.039   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.13                           | -5.2               | -7.35              | 15.78     | 0.038   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 23.54                           | -5.2               | -7.35              | 16.19     | 0.042   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 22.69                           | -5.2               | -7.35              | 15.34     | 0.034   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 22.22                           | -5.2               | -7.35              | 14.87     | 0.031   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 22.35                           | -5.2               | -7.35              | 15.00     | 0.032   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 22.19                           | -5.2               | -7.35              | 14.84     | 0.030   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 22.37                           | -5.2               | -7.35              | 15.02     | 0.032   | 3.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 22.31                           | -5.2               | -7.35              | 14.96     | 0.031   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 22.74                           | -5.2               | -7.35              | 15.39     | 0.035   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 22.09                           | -5.2               | -7.35              | 14.74     | 0.030   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 21.46                           | -5.2               | -7.35              | 14.11     | 0.026   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 21.48                           | -5.2               | -7.35              | 14.13     | 0.026   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 21.24                           | -5.2               | -7.35              | 13.89     | 0.024   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.18                           | -5.2               | -7.35              | 13.83     | 0.024   | 3.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 24.2                            | -5.2               | -7.35              | 16.85     | 0.048   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 24.69                           | -5.2               | -7.35              | 17.34     | 0.054   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 24.18                           | -5.2               | -7.35              | 16.83     | 0.048   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 23.26                           | -5.2               | -7.35              | 15.91     | 0.039   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 23.21                           | -5.2               | -7.35              | 15.86     | 0.039   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 23.11                           | -5.2               | -7.35              | 15.76     | 0.038   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 23.19                           | -5.2               | -7.35              | 15.84     | 0.038   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.04                           | -5.2               | -7.35              | 15.69     | 0.037   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 23.03                           | -5.2               | -7.35              | 15.68     | 0.037   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 22.87                           | -5.2               | -7.35              | 15.52     | 0.036   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 22.23                           | -5.2               | -7.35              | 14.88     | 0.031   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 22.27                           | -5.2               | -7.35              | 14.92     | 0.031   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 22.17                           | -5.2               | -7.35              | 14.82     | 0.030   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 22.16                           | -5.2               | -7.35              | 14.81     | 0.030   | 3.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 22.12                           | -5.2               | -7.35              | 14.77     | 0.030   | 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> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 10 MHz            | HCH          |           | RB1#13                | 22.3                            | -5.2               | -7.35              | 14.95     | 0.031   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 21.94                           | -5.2               | -7.35              | 14.59     | 0.029   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 21.25                           | -5.2               | -7.35              | 13.90     | 0.025   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 21.2                            | -5.2               | -7.35              | 13.85     | 0.024   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 20.9                            | -5.2               | -7.35              | 13.55     | 0.023   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.06                           | -5.2               | -7.35              | 13.71     | 0.023   | 3.000     | Pass    |
|                   |              | QPSK      | RB1#0                 | 24.21                           | -5.2               | -7.35              | 16.86     | 0.049   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 24.72                           | -5.2               | -7.35              | 17.37     | 0.055   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 24.21                           | -5.2               | -7.35              | 16.86     | 0.049   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 23.24                           | -5.2               | -7.35              | 15.89     | 0.039   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 23.14                           | -5.2               | -7.35              | 15.79     | 0.038   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 23.13                           | -5.2               | -7.35              | 15.78     | 0.038   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 23.14                           | -5.2               | -7.35              | 15.79     | 0.038   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.78                           | -5.2               | -7.35              | 15.43     | 0.035   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 23.07                           | -5.2               | -7.35              | 15.72     | 0.037   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 22.29                           | -5.2               | -7.35              | 14.94     | 0.031   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 22.03                           | -5.2               | -7.35              | 14.68     | 0.029   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 22.2                            | -5.2               | -7.35              | 14.85     | 0.031   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 22.11                           | -5.2               | -7.35              | 14.76     | 0.030   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 22.22                           | -5.2               | -7.35              | 14.87     | 0.031   | 3.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.99                           | -5.2               | -7.35              | 14.64     | 0.029   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 22.44                           | -5.2               | -7.35              | 15.09     | 0.032   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 21.95                           | -5.2               | -7.35              | 14.60     | 0.029   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 21.16                           | -5.2               | -7.35              | 13.81     | 0.024   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 21.15                           | -5.2               | -7.35              | 13.80     | 0.024   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 20.94                           | -5.2               | -7.35              | 13.59     | 0.023   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 20.84                           | -5.2               | -7.35              | 13.49     | 0.022   | 3.000     | Pass    |
| 10 MHz            | LCH          | QPSK      | RB1#0                 | 24.51                           | -5.2               | -7.35              | 17.16     | 0.052   | 3.000     | Pass    |
|                   |              |           | RB1#25                | 24.6                            | -5.2               | -7.35              | 17.25     | 0.053   | 3.000     | Pass    |
|                   |              |           | RB1#49                | 24.23                           | -5.2               | -7.35              | 16.88     | 0.049   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 23.28                           | -5.2               | -7.35              | 15.93     | 0.039   | 3.000     | Pass    |
|                   |              |           | RB25#13               | 23.22                           | -5.2               | -7.35              | 15.87     | 0.039   | 3.000     | Pass    |
|                   |              |           | RB25#25               | 23.09                           | -5.2               | -7.35              | 15.74     | 0.037   | 3.000     | Pass    |
|                   |              |           | RB50#0                | 23.18                           | -5.2               | -7.35              | 15.83     | 0.038   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.16                           | -5.2               | -7.35              | 15.81     | 0.038   | 3.000     | Pass    |
|                   |              |           | RB1#25                | 22.97                           | -5.2               | -7.35              | 15.62     | 0.036   | 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> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                   |              |           | RB1#49                | 22.86                           | -5.2               | -7.35              | 15.51     | 0.036   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 22.29                           | -5.2               | -7.35              | 14.94     | 0.031   | 3.000     | Pass    |
|                   |              |           | RB25#13               | 22.35                           | -5.2               | -7.35              | 15.00     | 0.032   | 3.000     | Pass    |
|                   |              |           | RB25#25               | 22.22                           | -5.2               | -7.35              | 14.87     | 0.031   | 3.000     | Pass    |
|                   |              |           | RB50#0                | 22.2                            | -5.2               | -7.35              | 14.85     | 0.031   | 3.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 22.18                           | -5.2               | -7.35              | 14.83     | 0.030   | 3.000     | Pass    |
|                   |              |           | RB1#25                | 22.84                           | -5.2               | -7.35              | 15.49     | 0.035   | 3.000     | Pass    |
|                   |              |           | RB1#49                | 21.9                            | -5.2               | -7.35              | 14.55     | 0.029   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.19                           | -5.2               | -7.35              | 13.84     | 0.024   | 3.000     | Pass    |
|                   |              |           | RB25#13               | 21.26                           | -5.2               | -7.35              | 13.91     | 0.025   | 3.000     | Pass    |
|                   |              |           | RB25#25               | 21.04                           | -5.2               | -7.35              | 13.69     | 0.023   | 3.000     | Pass    |
|                   |              |           | RB50#0                | 21.01                           | -5.2               | -7.35              | 13.66     | 0.023   | 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                 | 24.06                           | -5.3               | -7.45              | 16.61     | 0.046   | 7.000     | Pass    |
|                           |              |           | RB1#13                | 24.48                           | -5.3               | -7.45              | 17.03     | 0.050   | 7.000     | Pass    |
|                           |              |           | RB1#24                | 23.9                            | -5.3               | -7.45              | 16.45     | 0.044   | 7.000     | Pass    |
|                           |              |           | RB12#0                | 23.32                           | -5.3               | -7.45              | 15.87     | 0.039   | 7.000     | Pass    |
|                           |              |           | RB12#6                | 23.26                           | -5.3               | -7.45              | 15.81     | 0.038   | 7.000     | Pass    |
|                           |              |           | RB12#13               | 23.3                            | -5.3               | -7.45              | 15.85     | 0.038   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 23.33                           | -5.3               | -7.45              | 15.88     | 0.039   | 7.000     | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 23.13                           | -5.3               | -7.45              | 15.68     | 0.037   | 7.000     | Pass    |
|                           |              |           | RB1#13                | 23.19                           | -5.3               | -7.45              | 15.74     | 0.037   | 7.000     | Pass    |
|                           |              |           | RB1#24                | 23.02                           | -5.3               | -7.45              | 15.57     | 0.036   | 7.000     | Pass    |
|                           |              |           | RB12#0                | 22.34                           | -5.3               | -7.45              | 14.89     | 0.031   | 7.000     | Pass    |
|                           |              |           | RB12#6                | 22.31                           | -5.3               | -7.45              | 14.86     | 0.031   | 7.000     | Pass    |
|                           |              |           | RB12#13               | 22.27                           | -5.3               | -7.45              | 14.82     | 0.030   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 22.4                            | -5.3               | -7.45              | 14.95     | 0.031   | 7.000     | Pass    |
|                           |              | 64-QAM    | RB1#0                 | 22.18                           | -5.3               | -7.45              | 14.73     | 0.030   | 7.000     | Pass    |
|                           |              |           | RB1#13                | 22.63                           | -5.3               | -7.45              | 15.18     | 0.033   | 7.000     | Pass    |
|                           |              |           | RB1#24                | 22.12                           | -5.3               | -7.45              | 14.67     | 0.029   | 7.000     | Pass    |
|                           |              |           | RB12#0                | 21.29                           | -5.3               | -7.45              | 13.84     | 0.024   | 7.000     | Pass    |
|                           |              |           | RB12#6                | 21.33                           | -5.3               | -7.45              | 13.88     | 0.024   | 7.000     | Pass    |
|                           |              |           | RB12#13               | 20.96                           | -5.3               | -7.45              | 13.51     | 0.022   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 21.1                            | -5.3               | -7.45              | 13.65     | 0.023   | 7.000     | Pass    |
|                           | MCH          | QPSK      | RB1#0                 | 24.33                           | -5.3               | -7.45              | 16.88     | 0.049   | 7.000     | Pass    |
|                           |              |           | RB1#13                | 24.8                            | -5.3               | -7.45              | 17.35     | 0.054   | 7.000     | Pass    |
|                           |              |           | RB1#24                | 24.32                           | -5.3               | -7.45              | 16.87     | 0.049   | 7.000     | Pass    |
|                           |              |           | RB12#0                | 23.19                           | -5.3               | -7.45              | 15.74     | 0.037   | 7.000     | Pass    |
|                           |              |           | RB12#6                | 23.26                           | -5.3               | -7.45              | 15.81     | 0.038   | 7.000     | Pass    |
|                           |              |           | RB12#13               | 23.2                            | -5.3               | -7.45              | 15.75     | 0.038   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 23.18                           | -5.3               | -7.45              | 15.73     | 0.037   | 7.000     | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 23.01                           | -5.3               | -7.45              | 15.56     | 0.036   | 7.000     | Pass    |
|                           |              |           | RB1#13                | 23.11                           | -5.3               | -7.45              | 15.66     | 0.037   | 7.000     | Pass    |
|                           |              |           | RB1#24                | 22.77                           | -5.3               | -7.45              | 15.32     | 0.034   | 7.000     | Pass    |
|                           |              |           | RB12#0                | 22                              | -5.3               | -7.45              | 14.55     | 0.029   | 7.000     | Pass    |
|                           |              |           | RB12#6                | 22.02                           | -5.3               | -7.45              | 14.57     | 0.029   | 7.000     | Pass    |
|                           |              |           | RB12#13               | 21.99                           | -5.3               | -7.45              | 14.54     | 0.028   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 22                              | -5.3               | -7.45              | 14.55     | 0.029   | 7.000     | Pass    |
|                           |              | 64-QAM    | RB1#0                 | 22.06                           | -5.3               | -7.45              | 14.61     | 0.029   | 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#13                | 22.62                           | -5.3               | -7.45              | 15.17     | 0.033   | 7.000     | Pass    |
|                           |              |           | RB1#24                | 22.14                           | -5.3               | -7.45              | 14.69     | 0.029   | 7.000     | Pass    |
|                           |              |           | RB12#0                | 21.32                           | -5.3               | -7.45              | 13.87     | 0.024   | 7.000     | Pass    |
|                           |              |           | RB12#6                | 21.31                           | -5.3               | -7.45              | 13.86     | 0.024   | 7.000     | Pass    |
|                           |              |           | RB12#13               | 21.18                           | -5.3               | -7.45              | 13.73     | 0.024   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 21.32                           | -5.3               | -7.45              | 13.87     | 0.024   | 7.000     | Pass    |
|                           | HCH          | QPSK      | RB1#0                 | 24.25                           | -5.3               | -7.45              | 16.80     | 0.048   | 7.000     | Pass    |
|                           |              |           | RB1#13                | 24.71                           | -5.3               | -7.45              | 17.26     | 0.053   | 7.000     | Pass    |
|                           |              |           | RB1#24                | 24.24                           | -5.3               | -7.45              | 16.79     | 0.048   | 7.000     | Pass    |
|                           |              |           | RB12#0                | 23.28                           | -5.3               | -7.45              | 15.83     | 0.038   | 7.000     | Pass    |
|                           |              |           | RB12#6                | 23.27                           | -5.3               | -7.45              | 15.82     | 0.038   | 7.000     | Pass    |
|                           |              |           | RB12#13               | 23.19                           | -5.3               | -7.45              | 15.74     | 0.037   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 23.26                           | -5.3               | -7.45              | 15.81     | 0.038   | 7.000     | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 22.94                           | -5.3               | -7.45              | 15.49     | 0.035   | 7.000     | Pass    |
|                           |              |           | RB1#13                | 23.46                           | -5.3               | -7.45              | 16.01     | 0.040   | 7.000     | Pass    |
|                           |              |           | RB1#24                | 22.85                           | -5.3               | -7.45              | 15.40     | 0.035   | 7.000     | Pass    |
|                           |              |           | RB12#0                | 22.1                            | -5.3               | -7.45              | 14.65     | 0.029   | 7.000     | Pass    |
|                           |              |           | RB12#6                | 22.3                            | -5.3               | -7.45              | 14.85     | 0.031   | 7.000     | Pass    |
|                           |              |           | RB12#13               | 22.22                           | -5.3               | -7.45              | 14.77     | 0.030   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 22.16                           | -5.3               | -7.45              | 14.71     | 0.030   | 7.000     | Pass    |
|                           |              | 64-QAM    | RB1#0                 | 22.04                           | -5.3               | -7.45              | 14.59     | 0.029   | 7.000     | Pass    |
|                           |              |           | RB1#13                | 22.62                           | -5.3               | -7.45              | 15.17     | 0.033   | 7.000     | Pass    |
|                           |              |           | RB1#24                | 22.1                            | -5.3               | -7.45              | 14.65     | 0.029   | 7.000     | Pass    |
|                           |              |           | RB12#0                | 21.06                           | -5.3               | -7.45              | 13.61     | 0.023   | 7.000     | Pass    |
|                           |              |           | RB12#6                | 21.02                           | -5.3               | -7.45              | 13.57     | 0.023   | 7.000     | Pass    |
|                           |              |           | RB12#13               | 20.95                           | -5.3               | -7.45              | 13.50     | 0.022   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 20.95                           | -5.3               | -7.45              | 13.50     | 0.022   | 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                 | 24.31                           | -5.3               | -7.45              | 16.86     | 0.049   | 100.00    | Pass    |
|                           |              |           | RB1#13                | 24.82                           | -5.3               | -7.45              | 17.37     | 0.055   | 100.00    | Pass    |
|                           |              |           | RB1#24                | 24.21                           | -5.3               | -7.45              | 16.76     | 0.047   | 100.00    | Pass    |
|                           |              |           | RB12#0                | 23.27                           | -5.3               | -7.45              | 15.82     | 0.038   | 100.00    | Pass    |
|                           |              |           | RB12#6                | 23.38                           | -5.3               | -7.45              | 15.93     | 0.039   | 100.00    | Pass    |
|                           |              |           | RB12#13               | 23.3                            | -5.3               | -7.45              | 15.85     | 0.038   | 100.00    | Pass    |
|                           |              |           | RB25#0                | 23.25                           | -5.3               | -7.45              | 15.80     | 0.038   | 100.00    | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 23.04                           | -5.3               | -7.45              | 15.59     | 0.036   | 100.00    | Pass    |
|                           |              |           | RB1#13                | 23.24                           | -5.3               | -7.45              | 15.79     | 0.038   | 100.00    | Pass    |
|                           |              |           | RB1#24                | 22.83                           | -5.3               | -7.45              | 15.38     | 0.035   | 100.00    | Pass    |
|                           |              |           | RB12#0                | 22.32                           | -5.3               | -7.45              | 14.87     | 0.031   | 100.00    | Pass    |
|                           |              |           | RB12#6                | 22.26                           | -5.3               | -7.45              | 14.81     | 0.030   | 100.00    | Pass    |
|                           |              |           | RB12#13               | 22.28                           | -5.3               | -7.45              | 14.83     | 0.030   | 100.00    | Pass    |
|                           |              |           | RB25#0                | 22.42                           | -5.3               | -7.45              | 14.97     | 0.031   | 100.00    | Pass    |
|                           |              | 64-QAM    | RB1#0                 | 22.11                           | -5.3               | -7.45              | 14.66     | 0.029   | 100.00    | Pass    |
|                           |              |           | RB1#13                | 22.64                           | -5.3               | -7.45              | 15.19     | 0.033   | 100.00    | Pass    |
|                           |              |           | RB1#24                | 22.17                           | -5.3               | -7.45              | 14.72     | 0.030   | 100.00    | Pass    |
|                           |              |           | RB12#0                | 21.37                           | -5.3               | -7.45              | 13.92     | 0.025   | 100.00    | Pass    |
|                           |              |           | RB12#6                | 21.41                           | -5.3               | -7.45              | 13.96     | 0.025   | 100.00    | Pass    |
|                           |              |           | RB12#13               | 21.32                           | -5.3               | -7.45              | 13.87     | 0.024   | 100.00    | Pass    |
|                           |              |           | RB25#0                | 21.04                           | -5.3               | -7.45              | 13.59     | 0.023   | 100.00    | Pass    |
|                           | MCH          | QPSK      | RB1#0                 | 24.22                           | -5.3               | -7.45              | 16.77     | 0.048   | 100.00    | Pass    |
|                           |              |           | RB1#13                | 24.73                           | -5.3               | -7.45              | 17.28     | 0.053   | 100.00    | Pass    |
|                           |              |           | RB1#24                | 24.24                           | -5.3               | -7.45              | 16.79     | 0.048   | 100.00    | Pass    |
|                           |              |           | RB12#0                | 23.37                           | -5.3               | -7.45              | 15.92     | 0.039   | 100.00    | Pass    |
|                           |              |           | RB12#6                | 23.3                            | -5.3               | -7.45              | 15.85     | 0.038   | 100.00    | Pass    |
|                           |              |           | RB12#13               | 23.22                           | -5.3               | -7.45              | 15.77     | 0.038   | 100.00    | Pass    |
|                           |              |           | RB25#0                | 23.24                           | -5.3               | -7.45              | 15.79     | 0.038   | 100.00    | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 22.87                           | -5.3               | -7.45              | 15.42     | 0.035   | 100.00    | Pass    |
|                           |              |           | RB1#13                | 23.21                           | -5.3               | -7.45              | 15.76     | 0.038   | 100.00    | Pass    |
|                           |              |           | RB1#24                | 22.32                           | -5.3               | -7.45              | 14.87     | 0.031   | 100.00    | Pass    |
|                           |              |           | RB12#0                | 22.17                           | -5.3               | -7.45              | 14.72     | 0.030   | 100.00    | Pass    |
|                           |              |           | RB12#6                | 22.2                            | -5.3               | -7.45              | 14.75     | 0.030   | 100.00    | Pass    |
|                           |              |           | RB12#13               | 22.26                           | -5.3               | -7.45              | 14.81     | 0.030   | 100.00    | Pass    |
|                           |              |           | RB25#0                | 22.43                           | -5.3               | -7.45              | 14.98     | 0.031   | 100.00    | Pass    |
|                           |              | 64-QAM    | RB1#0                 | 22.2                            | -5.3               | -7.45              | 14.75     | 0.030   | 100.00    | 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 Band18(Part90)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                           |              |           | RB1#13                | 22.62                           | -5.3               | -7.45              | 15.17     | 0.033   | 100.00    | Pass    |
|                           |              |           | RB1#24                | 22.09                           | -5.3               | -7.45              | 14.64     | 0.029   | 100.00    | Pass    |
|                           |              |           | RB12#0                | 21.3                            | -5.3               | -7.45              | 13.85     | 0.024   | 100.00    | Pass    |
|                           |              |           | RB12#6                | 21.66                           | -5.3               | -7.45              | 14.21     | 0.026   | 100.00    | Pass    |
|                           |              |           | RB12#13               | 21.32                           | -5.3               | -7.45              | 13.87     | 0.024   | 100.00    | Pass    |
|                           |              |           | RB25#0                | 21.37                           | -5.3               | -7.45              | 13.92     | 0.025   | 100.00    | Pass    |
|                           | HCH          | QPSK      | RB1#0                 | 24.15                           | -5.3               | -7.45              | 16.70     | 0.047   | 100.00    | Pass    |
|                           |              |           | RB1#13                | 24.52                           | -5.3               | -7.45              | 17.07     | 0.051   | 100.00    | Pass    |
|                           |              |           | RB1#24                | 24.24                           | -5.3               | -7.45              | 16.79     | 0.048   | 100.00    | Pass    |
|                           |              |           | RB12#0                | 23.31                           | -5.3               | -7.45              | 15.86     | 0.039   | 100.00    | Pass    |
|                           |              |           | RB12#6                | 23.23                           | -5.3               | -7.45              | 15.78     | 0.038   | 100.00    | Pass    |
|                           |              |           | RB12#13               | 23.24                           | -5.3               | -7.45              | 15.79     | 0.038   | 100.00    | Pass    |
|                           |              |           | RB25#0                | 23.29                           | -5.3               | -7.45              | 15.84     | 0.038   | 100.00    | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 22.94                           | -5.3               | -7.45              | 15.49     | 0.035   | 100.00    | Pass    |
|                           |              |           | RB1#13                | 23.46                           | -5.3               | -7.45              | 16.01     | 0.040   | 100.00    | Pass    |
|                           |              |           | RB1#24                | 22.81                           | -5.3               | -7.45              | 15.36     | 0.034   | 100.00    | Pass    |
|                           |              |           | RB12#0                | 22.15                           | -5.3               | -7.45              | 14.70     | 0.030   | 100.00    | Pass    |
|                           |              |           | RB12#6                | 22.33                           | -5.3               | -7.45              | 14.88     | 0.031   | 100.00    | Pass    |
|                           |              |           | RB12#13               | 21.93                           | -5.3               | -7.45              | 14.48     | 0.028   | 100.00    | Pass    |
|                           |              |           | RB25#0                | 22.16                           | -5.3               | -7.45              | 14.71     | 0.030   | 100.00    | Pass    |
|                           |              | 64-QAM    | RB1#0                 | 22.22                           | -5.3               | -7.45              | 14.77     | 0.030   | 100.00    | Pass    |
|                           |              |           | RB1#13                | 22.53                           | -5.3               | -7.45              | 15.08     | 0.032   | 100.00    | Pass    |
|                           |              |           | RB1#24                | 22.02                           | -5.3               | -7.45              | 14.57     | 0.029   | 100.00    | Pass    |
|                           |              |           | RB12#0                | 21.22                           | -5.3               | -7.45              | 13.77     | 0.024   | 100.00    | Pass    |
|                           |              |           | RB12#6                | 21.29                           | -5.3               | -7.45              | 13.84     | 0.024   | 100.00    | Pass    |
|                           |              |           | RB12#13               | 21.32                           | -5.3               | -7.45              | 13.87     | 0.024   | 100.00    | Pass    |
|                           |              |           | RB25#0                | 21.43                           | -5.3               | -7.45              | 13.98     | 0.025   | 100.00    | 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 Band19</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 5 MHz             | LCH          | QPSK      | RB1#0                 | 24.16                           | -4.7               | -6.85              | 17.31     | 0.054   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 24.95                           | -4.7               | -6.85              | 18.10     | 0.065   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 24.2                            | -4.7               | -6.85              | 17.35     | 0.054   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 23.04                           | -4.7               | -6.85              | 16.19     | 0.042   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 22.93                           | -4.7               | -6.85              | 16.08     | 0.041   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 22.95                           | -4.7               | -6.85              | 16.10     | 0.041   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 22.9                            | -4.7               | -6.85              | 16.05     | 0.040   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.68                           | -4.7               | -6.85              | 15.83     | 0.038   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 22.92                           | -4.7               | -6.85              | 16.07     | 0.040   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 22.54                           | -4.7               | -6.85              | 15.69     | 0.037   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 21.82                           | -4.7               | -6.85              | 14.97     | 0.031   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 21.92                           | -4.7               | -6.85              | 15.07     | 0.032   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 22.04                           | -4.7               | -6.85              | 15.19     | 0.033   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.91                           | -4.7               | -6.85              | 15.06     | 0.032   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.92                           | -4.7               | -6.85              | 15.07     | 0.032   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 22.36                           | -4.7               | -6.85              | 15.51     | 0.036   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 21.92                           | -4.7               | -6.85              | 15.07     | 0.032   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 21.05                           | -4.7               | -6.85              | 14.20     | 0.026   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 21.27                           | -4.7               | -6.85              | 14.42     | 0.028   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 21.08                           | -4.7               | -6.85              | 14.23     | 0.026   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 20.91                           | -4.7               | -6.85              | 14.06     | 0.025   | 7.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.93                           | -4.7               | -6.85              | 17.08     | 0.051   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 24.47                           | -4.7               | -6.85              | 17.62     | 0.058   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 24                              | -4.7               | -6.85              | 17.15     | 0.052   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 22.88                           | -4.7               | -6.85              | 16.03     | 0.040   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 22.8                            | -4.7               | -6.85              | 15.95     | 0.039   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 22.81                           | -4.7               | -6.85              | 15.96     | 0.039   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 22.87                           | -4.7               | -6.85              | 16.02     | 0.040   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.58                           | -4.7               | -6.85              | 15.73     | 0.037   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 22.81                           | -4.7               | -6.85              | 15.96     | 0.039   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 22.45                           | -4.7               | -6.85              | 15.60     | 0.036   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 21.79                           | -4.7               | -6.85              | 14.94     | 0.031   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 21.78                           | -4.7               | -6.85              | 14.93     | 0.031   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 21.81                           | -4.7               | -6.85              | 14.96     | 0.031   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.97                           | -4.7               | -6.85              | 15.12     | 0.033   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.83                           | -4.7               | -6.85              | 14.98     | 0.031   | 7.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band19</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                   |              |           | RB1#13                | 22.38                           | -4.7               | -6.85              | 15.53     | 0.036   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 21.84                           | -4.7               | -6.85              | 14.99     | 0.032   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 21.01                           | -4.7               | -6.85              | 14.16     | 0.026   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 21.04                           | -4.7               | -6.85              | 14.19     | 0.026   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 20.97                           | -4.7               | -6.85              | 14.12     | 0.026   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 20.67                           | -4.7               | -6.85              | 13.82     | 0.024   | 7.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 24.09                           | -4.7               | -6.85              | 17.24     | 0.053   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 24.68                           | -4.7               | -6.85              | 17.83     | 0.061   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 24.17                           | -4.7               | -6.85              | 17.32     | 0.054   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 23.05                           | -4.7               | -6.85              | 16.20     | 0.042   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 23.05                           | -4.7               | -6.85              | 16.20     | 0.042   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 22.9                            | -4.7               | -6.85              | 16.05     | 0.040   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 23.14                           | -4.7               | -6.85              | 16.29     | 0.043   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.75                           | -4.7               | -6.85              | 15.90     | 0.039   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 22.88                           | -4.7               | -6.85              | 16.03     | 0.040   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 22.73                           | -4.7               | -6.85              | 15.88     | 0.039   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 22.02                           | -4.7               | -6.85              | 15.17     | 0.033   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 22.13                           | -4.7               | -6.85              | 15.28     | 0.034   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 21.99                           | -4.7               | -6.85              | 15.14     | 0.033   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 22.25                           | -4.7               | -6.85              | 15.40     | 0.035   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.89                           | -4.7               | -6.85              | 15.04     | 0.032   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 22.5                            | -4.7               | -6.85              | 15.65     | 0.037   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 21.92                           | -4.7               | -6.85              | 15.07     | 0.032   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 21.28                           | -4.7               | -6.85              | 14.43     | 0.028   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 21.19                           | -4.7               | -6.85              | 14.34     | 0.027   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 20.83                           | -4.7               | -6.85              | 13.98     | 0.025   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.06                           | -4.7               | -6.85              | 14.21     | 0.026   | 7.000     | Pass    |
| 10 MHz            | LCH          | QPSK      | RB1#0                 | 24.22                           | -4.7               | -6.85              | 17.37     | 0.055   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 24.62                           | -4.7               | -6.85              | 17.77     | 0.060   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 24.32                           | -4.7               | -6.85              | 17.47     | 0.056   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 23.1                            | -4.7               | -6.85              | 16.25     | 0.042   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 23.06                           | -4.7               | -6.85              | 16.21     | 0.042   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 22.97                           | -4.7               | -6.85              | 16.12     | 0.041   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 22.97                           | -4.7               | -6.85              | 16.12     | 0.041   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.87                           | -4.7               | -6.85              | 16.02     | 0.040   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 22.96                           | -4.7               | -6.85              | 16.11     | 0.041   | 7.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band19</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                   |              |           | RB1#49                | 22.68                           | -4.7               | -6.85              | 15.83     | 0.038   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 22.08                           | -4.7               | -6.85              | 15.23     | 0.033   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 22.18                           | -4.7               | -6.85              | 15.33     | 0.034   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 21.99                           | -4.7               | -6.85              | 15.14     | 0.033   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 21.9                            | -4.7               | -6.85              | 15.05     | 0.032   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 22.02                           | -4.7               | -6.85              | 15.17     | 0.033   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 22.77                           | -4.7               | -6.85              | 15.92     | 0.039   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 22.03                           | -4.7               | -6.85              | 15.18     | 0.033   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.17                           | -4.7               | -6.85              | 14.32     | 0.027   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 21.26                           | -4.7               | -6.85              | 14.41     | 0.028   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 21.07                           | -4.7               | -6.85              | 14.22     | 0.026   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 21.09                           | -4.7               | -6.85              | 14.24     | 0.027   | 7.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 24.12                           | -4.7               | -6.85              | 17.27     | 0.053   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 24.47                           | -4.7               | -6.85              | 17.62     | 0.058   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 24.19                           | -4.7               | -6.85              | 17.34     | 0.054   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 23.05                           | -4.7               | -6.85              | 16.20     | 0.042   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 22.97                           | -4.7               | -6.85              | 16.12     | 0.041   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 22.97                           | -4.7               | -6.85              | 16.12     | 0.041   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 22.84                           | -4.7               | -6.85              | 15.99     | 0.040   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.59                           | -4.7               | -6.85              | 15.74     | 0.037   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 22.73                           | -4.7               | -6.85              | 15.88     | 0.039   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 22.74                           | -4.7               | -6.85              | 15.89     | 0.039   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.93                           | -4.7               | -6.85              | 15.08     | 0.032   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 22.27                           | -4.7               | -6.85              | 15.42     | 0.035   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 22.35                           | -4.7               | -6.85              | 15.50     | 0.035   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 21.91                           | -4.7               | -6.85              | 15.06     | 0.032   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.96                           | -4.7               | -6.85              | 15.11     | 0.032   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 22.62                           | -4.7               | -6.85              | 15.77     | 0.038   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 22.01                           | -4.7               | -6.85              | 15.16     | 0.033   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.12                           | -4.7               | -6.85              | 14.27     | 0.027   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 21.14                           | -4.7               | -6.85              | 14.29     | 0.027   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 21.17                           | -4.7               | -6.85              | 14.32     | 0.027   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 20.92                           | -4.7               | -6.85              | 14.07     | 0.026   | 7.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 24.13                           | -4.7               | -6.85              | 17.28     | 0.053   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 24.51                           | -4.7               | -6.85              | 17.66     | 0.058   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 24.23                           | -4.7               | -6.85              | 17.38     | 0.055   | 7.000     | Pass    |

| Test BW    | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| LTE Band19 |              |           |                       |                                 |                    |                    |           |         |           |         |
| 15 MHz     | LCH          |           | RB25#0                | 23.01                           | -4.7               | -6.85              | 16.16     | 0.041   | 7.000     | Pass    |
|            |              |           | RB25#13               | 23.05                           | -4.7               | -6.85              | 16.20     | 0.042   | 7.000     | Pass    |
|            |              |           | RB25#25               | 23.1                            | -4.7               | -6.85              | 16.25     | 0.042   | 7.000     | Pass    |
|            |              |           | RB50#0                | 23.02                           | -4.7               | -6.85              | 16.17     | 0.041   | 7.000     | Pass    |
|            |              | 16-QAM    | RB1#0                 | 22.76                           | -4.7               | -6.85              | 15.91     | 0.039   | 7.000     | Pass    |
|            |              |           | RB1#25                | 22.82                           | -4.7               | -6.85              | 15.97     | 0.040   | 7.000     | Pass    |
|            |              |           | RB1#49                | 22.79                           | -4.7               | -6.85              | 15.94     | 0.039   | 7.000     | Pass    |
|            |              |           | RB25#0                | 22.17                           | -4.7               | -6.85              | 15.32     | 0.034   | 7.000     | Pass    |
|            |              |           | RB25#13               | 22.01                           | -4.7               | -6.85              | 15.16     | 0.033   | 7.000     | Pass    |
|            |              |           | RB25#25               | 22.12                           | -4.7               | -6.85              | 15.27     | 0.034   | 7.000     | Pass    |
|            |              |           | RB50#0                | 22.11                           | -4.7               | -6.85              | 15.26     | 0.034   | 7.000     | Pass    |
|            |              | 64-QAM    | RB1#0                 | 21.97                           | -4.7               | -6.85              | 15.12     | 0.033   | 7.000     | Pass    |
|            |              |           | RB1#25                | 22.76                           | -4.7               | -6.85              | 15.91     | 0.039   | 7.000     | Pass    |
|            |              |           | RB1#49                | 21.92                           | -4.7               | -6.85              | 15.07     | 0.032   | 7.000     | Pass    |
|            |              |           | RB25#0                | 21.17                           | -4.7               | -6.85              | 14.32     | 0.027   | 7.000     | Pass    |
|            |              |           | RB25#13               | 20.92                           | -4.7               | -6.85              | 14.07     | 0.026   | 7.000     | Pass    |
|            |              |           | RB25#25               | 20.81                           | -4.7               | -6.85              | 13.96     | 0.025   | 7.000     | Pass    |
|            |              |           | RB50#0                | 21.03                           | -4.7               | -6.85              | 14.18     | 0.026   | 7.000     | Pass    |
|            |              | QPSK      | RB1#0                 | 24.14                           | -4.7               | -6.85              | 17.29     | 0.054   | 7.000     | Pass    |
|            |              |           | RB1#38                | 24.53                           | -4.7               | -6.85              | 17.68     | 0.059   | 7.000     | Pass    |
|            |              |           | RB1#74                | 24.34                           | -4.7               | -6.85              | 17.49     | 0.056   | 7.000     | Pass    |
|            |              |           | RB36#0                | 23.16                           | -4.7               | -6.85              | 16.31     | 0.043   | 7.000     | Pass    |
|            |              |           | RB36#19               | 23.05                           | -4.7               | -6.85              | 16.20     | 0.042   | 7.000     | Pass    |
|            |              |           | RB36#39               | 23.08                           | -4.7               | -6.85              | 16.23     | 0.042   | 7.000     | Pass    |
|            |              |           | RB75#0                | 23.09                           | -4.7               | -6.85              | 16.24     | 0.042   | 7.000     | Pass    |
|            |              | 16-QAM    | RB1#0                 | 22.87                           | -4.7               | -6.85              | 16.02     | 0.040   | 7.000     | Pass    |
|            |              |           | RB1#38                | 22.8                            | -4.7               | -6.85              | 15.95     | 0.039   | 7.000     | Pass    |
|            |              |           | RB1#74                | 22.85                           | -4.7               | -6.85              | 16.00     | 0.040   | 7.000     | Pass    |
|            |              |           | RB36#0                | 22.12                           | -4.7               | -6.85              | 15.27     | 0.034   | 7.000     | Pass    |
|            |              |           | RB36#19               | 22.12                           | -4.7               | -6.85              | 15.27     | 0.034   | 7.000     | Pass    |
|            |              |           | RB36#39               | 22.1                            | -4.7               | -6.85              | 15.25     | 0.033   | 7.000     | Pass    |
|            |              |           | RB75#0                | 22.1                            | -4.7               | -6.85              | 15.25     | 0.033   | 7.000     | Pass    |
|            |              | 64-QAM    | RB1#0                 | 21.97                           | -4.7               | -6.85              | 15.12     | 0.033   | 7.000     | Pass    |
|            |              |           | RB1#38                | 22.51                           | -4.7               | -6.85              | 15.66     | 0.037   | 7.000     | Pass    |
|            |              |           | RB1#74                | 22.08                           | -4.7               | -6.85              | 15.23     | 0.033   | 7.000     | Pass    |
|            |              |           | RB36#0                | 21.13                           | -4.7               | -6.85              | 14.28     | 0.027   | 7.000     | Pass    |

| Test BW    | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| LTE Band19 |              |           |                       |                                 |                    |                    |           |         |           |         |
|            |              |           | RB36#19               | 21.05                           | -4.7               | -6.85              | 14.20     | 0.026   | 7.000     | Pass    |
|            |              |           | RB36#39               | 21.09                           | -4.7               | -6.85              | 14.24     | 0.027   | 7.000     | Pass    |
|            |              |           | RB75#0                | 20.94                           | -4.7               | -6.85              | 14.09     | 0.026   | 7.000     | Pass    |

| Test BW                   | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|---------------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band26(Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 1.4 MHz                   | LCH          | QPSK      | RB1#0                 | 24.19                           | -5                 | -7.15              | 17.04     | 0.051   | 7.000     | Pass    |
|                           |              |           | RB1#3                 | 24.57                           | -5                 | -7.15              | 17.42     | 0.055   | 7.000     | Pass    |
|                           |              |           | RB1#5                 | 24.44                           | -5                 | -7.15              | 17.29     | 0.054   | 7.000     | Pass    |
|                           |              |           | RB3#0                 | 24.2                            | -5                 | -7.15              | 17.05     | 0.051   | 7.000     | Pass    |
|                           |              |           | RB3#2                 | 24.29                           | -5                 | -7.15              | 17.14     | 0.052   | 7.000     | Pass    |
|                           |              |           | RB3#3                 | 24.19                           | -5                 | -7.15              | 17.04     | 0.051   | 7.000     | Pass    |
|                           |              |           | RB6#0                 | 23.31                           | -5                 | -7.15              | 16.16     | 0.041   | 7.000     | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 23.12                           | -5                 | -7.15              | 15.97     | 0.040   | 7.000     | Pass    |
|                           |              |           | RB1#3                 | 23.09                           | -5                 | -7.15              | 15.94     | 0.039   | 7.000     | Pass    |
|                           |              |           | RB1#5                 | 23.08                           | -5                 | -7.15              | 15.93     | 0.039   | 7.000     | Pass    |
|                           |              |           | RB3#0                 | 23.21                           | -5                 | -7.15              | 16.06     | 0.040   | 7.000     | Pass    |
|                           |              |           | RB3#2                 | 23.18                           | -5                 | -7.15              | 16.03     | 0.040   | 7.000     | Pass    |
|                           |              |           | RB3#3                 | 23.16                           | -5                 | -7.15              | 16.01     | 0.040   | 7.000     | Pass    |
|                           |              |           | RB6#0                 | 22.28                           | -5                 | -7.15              | 15.13     | 0.033   | 7.000     | Pass    |
|                           |              | 64-QAM    | RB1#0                 | 22.48                           | -5                 | -7.15              | 15.33     | 0.034   | 7.000     | Pass    |
|                           |              |           | RB1#3                 | 22.41                           | -5                 | -7.15              | 15.26     | 0.034   | 7.000     | Pass    |
|                           |              |           | RB1#5                 | 22.25                           | -5                 | -7.15              | 15.10     | 0.032   | 7.000     | Pass    |
|                           |              |           | RB3#0                 | 22.1                            | -5                 | -7.15              | 14.95     | 0.031   | 7.000     | Pass    |
|                           |              |           | RB3#2                 | 22.12                           | -5                 | -7.15              | 14.97     | 0.031   | 7.000     | Pass    |
|                           |              |           | RB3#3                 | 22.1                            | -5                 | -7.15              | 14.95     | 0.031   | 7.000     | Pass    |
|                           |              |           | RB6#0                 | 21.11                           | -5                 | -7.15              | 13.96     | 0.025   | 7.000     | Pass    |
|                           | MCH          | QPSK      | RB1#0                 | 24.28                           | -5                 | -7.15              | 17.13     | 0.052   | 7.000     | Pass    |
|                           |              |           | RB1#3                 | 24.52                           | -5                 | -7.15              | 17.37     | 0.055   | 7.000     | Pass    |
|                           |              |           | RB1#5                 | 24.26                           | -5                 | -7.15              | 17.11     | 0.051   | 7.000     | Pass    |
|                           |              |           | RB3#0                 | 24.02                           | -5                 | -7.15              | 16.87     | 0.049   | 7.000     | Pass    |
|                           |              |           | RB3#2                 | 24.16                           | -5                 | -7.15              | 17.01     | 0.050   | 7.000     | Pass    |
|                           |              |           | RB3#3                 | 24.03                           | -5                 | -7.15              | 16.88     | 0.049   | 7.000     | Pass    |
|                           |              |           | RB6#0                 | 23.05                           | -5                 | -7.15              | 15.90     | 0.039   | 7.000     | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 23.08                           | -5                 | -7.15              | 15.93     | 0.039   | 7.000     | Pass    |
|                           |              |           | RB1#3                 | 22.9                            | -5                 | -7.15              | 15.75     | 0.038   | 7.000     | Pass    |
|                           |              |           | RB1#5                 | 22.82                           | -5                 | -7.15              | 15.67     | 0.037   | 7.000     | Pass    |
|                           |              |           | RB3#0                 | 23.07                           | -5                 | -7.15              | 15.92     | 0.039   | 7.000     | Pass    |
|                           |              |           | RB3#2                 | 23.17                           | -5                 | -7.15              | 16.02     | 0.040   | 7.000     | Pass    |
|                           |              |           | RB3#3                 | 23.07                           | -5                 | -7.15              | 15.92     | 0.039   | 7.000     | Pass    |
|                           |              |           | RB6#0                 | 22.21                           | -5                 | -7.15              | 15.06     | 0.032   | 7.000     | Pass    |
|                           |              | 64-QAM    | RB1#0                 | 22.58                           | -5                 | -7.15              | 15.43     | 0.035   | 7.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| LTE Band26(Part22) |              |           |                       |                                 |                    |                    |           |         |           |         |
|                    |              |           | RB1#3                 | 22.84                           | -5                 | -7.15              | 15.69     | 0.037   | 7.000     | Pass    |
|                    |              |           | RB1#5                 | 22.57                           | -5                 | -7.15              | 15.42     | 0.035   | 7.000     | Pass    |
|                    |              |           | RB3#0                 | 22.16                           | -5                 | -7.15              | 15.01     | 0.032   | 7.000     | Pass    |
|                    |              |           | RB3#2                 | 22.3                            | -5                 | -7.15              | 15.15     | 0.033   | 7.000     | Pass    |
|                    |              |           | RB3#3                 | 22.04                           | -5                 | -7.15              | 14.89     | 0.031   | 7.000     | Pass    |
|                    |              |           | RB6#0                 | 20.88                           | -5                 | -7.15              | 13.73     | 0.024   | 7.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                 | 24.1                            | -5                 | -7.15              | 16.95     | 0.050   | 7.000     | Pass    |
|                    |              |           | RB1#3                 | 24.27                           | -5                 | -7.15              | 17.12     | 0.052   | 7.000     | Pass    |
|                    |              |           | RB1#5                 | 24.23                           | -5                 | -7.15              | 17.08     | 0.051   | 7.000     | Pass    |
|                    |              |           | RB3#0                 | 24.03                           | -5                 | -7.15              | 16.88     | 0.049   | 7.000     | Pass    |
|                    |              |           | RB3#2                 | 24.05                           | -5                 | -7.15              | 16.90     | 0.049   | 7.000     | Pass    |
|                    |              |           | RB3#3                 | 23.94                           | -5                 | -7.15              | 16.79     | 0.048   | 7.000     | Pass    |
|                    |              |           | RB6#0                 | 23.06                           | -5                 | -7.15              | 15.91     | 0.039   | 7.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.69                           | -5                 | -7.15              | 15.54     | 0.036   | 7.000     | Pass    |
|                    |              |           | RB1#3                 | 22.82                           | -5                 | -7.15              | 15.67     | 0.037   | 7.000     | Pass    |
|                    |              |           | RB1#5                 | 22.81                           | -5                 | -7.15              | 15.66     | 0.037   | 7.000     | Pass    |
|                    |              |           | RB3#0                 | 22.93                           | -5                 | -7.15              | 15.78     | 0.038   | 7.000     | Pass    |
|                    |              |           | RB3#2                 | 23.1                            | -5                 | -7.15              | 15.95     | 0.039   | 7.000     | Pass    |
|                    |              |           | RB3#3                 | 23.09                           | -5                 | -7.15              | 15.94     | 0.039   | 7.000     | Pass    |
|                    |              |           | RB6#0                 | 21.91                           | -5                 | -7.15              | 14.76     | 0.030   | 7.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                 | 22.13                           | -5                 | -7.15              | 14.98     | 0.031   | 7.000     | Pass    |
|                    |              |           | RB1#3                 | 22.36                           | -5                 | -7.15              | 15.21     | 0.033   | 7.000     | Pass    |
|                    |              |           | RB1#5                 | 22.02                           | -5                 | -7.15              | 14.87     | 0.031   | 7.000     | Pass    |
|                    |              |           | RB3#0                 | 21.84                           | -5                 | -7.15              | 14.69     | 0.029   | 7.000     | Pass    |
|                    |              |           | RB3#2                 | 21.9                            | -5                 | -7.15              | 14.75     | 0.030   | 7.000     | Pass    |
|                    |              |           | RB3#3                 | 21.96                           | -5                 | -7.15              | 14.81     | 0.030   | 7.000     | Pass    |
|                    |              |           | RB6#0                 | 20.88                           | -5                 | -7.15              | 13.73     | 0.024   | 7.000     | Pass    |
| 3 MHz              | LCH          | QPSK      | RB1#0                 | 24.31                           | -5                 | -7.15              | 17.16     | 0.052   | 7.000     | Pass    |
|                    |              |           | RB1#7                 | 24.57                           | -5                 | -7.15              | 17.42     | 0.055   | 7.000     | Pass    |
|                    |              |           | RB1#14                | 24.34                           | -5                 | -7.15              | 17.19     | 0.052   | 7.000     | Pass    |
|                    |              |           | RB8#0                 | 23.3                            | -5                 | -7.15              | 16.15     | 0.041   | 7.000     | Pass    |
|                    |              |           | RB8#4                 | 23.34                           | -5                 | -7.15              | 16.19     | 0.042   | 7.000     | Pass    |
|                    |              |           | RB8#7                 | 23.2                            | -5                 | -7.15              | 16.05     | 0.040   | 7.000     | Pass    |
|                    |              |           | RB15#0                | 23.31                           | -5                 | -7.15              | 16.16     | 0.041   | 7.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.16                           | -5                 | -7.15              | 16.01     | 0.040   | 7.000     | Pass    |
|                    |              |           | RB1#7                 | 23.03                           | -5                 | -7.15              | 15.88     | 0.039   | 7.000     | Pass    |

| Test BW                   | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|---------------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band26(Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                           |              |           | RB1#14                | 22.76                           | -5                 | -7.15              | 15.61     | 0.036   | 7.000     | Pass    |
|                           |              |           | RB8#0                 | 21.95                           | -5                 | -7.15              | 14.80     | 0.030   | 7.000     | Pass    |
|                           |              |           | RB8#4                 | 22.2                            | -5                 | -7.15              | 15.05     | 0.032   | 7.000     | Pass    |
|                           |              |           | RB8#7                 | 22.09                           | -5                 | -7.15              | 14.94     | 0.031   | 7.000     | Pass    |
|                           |              |           | RB15#0                | 22.24                           | -5                 | -7.15              | 15.09     | 0.032   | 7.000     | Pass    |
|                           |              | 64-QAM    | RB1#0                 | 22.37                           | -5                 | -7.15              | 15.22     | 0.033   | 7.000     | Pass    |
|                           |              |           | RB1#7                 | 22.6                            | -5                 | -7.15              | 15.45     | 0.035   | 7.000     | Pass    |
|                           |              |           | RB1#14                | 22.24                           | -5                 | -7.15              | 15.09     | 0.032   | 7.000     | Pass    |
|                           |              |           | RB8#0                 | 21.19                           | -5                 | -7.15              | 14.04     | 0.025   | 7.000     | Pass    |
|                           |              |           | RB8#4                 | 21.06                           | -5                 | -7.15              | 13.91     | 0.025   | 7.000     | Pass    |
|                           |              |           | RB8#7                 | 21.04                           | -5                 | -7.15              | 13.89     | 0.024   | 7.000     | Pass    |
|                           |              |           | RB15#0                | 21.06                           | -5                 | -7.15              | 13.91     | 0.025   | 7.000     | Pass    |
|                           | MCH          | QPSK      | RB1#0                 | 24.08                           | -5                 | -7.15              | 16.93     | 0.049   | 7.000     | Pass    |
|                           |              |           | RB1#7                 | 24.31                           | -5                 | -7.15              | 17.16     | 0.052   | 7.000     | Pass    |
|                           |              |           | RB1#14                | 24.25                           | -5                 | -7.15              | 17.10     | 0.051   | 7.000     | Pass    |
|                           |              |           | RB8#0                 | 23.14                           | -5                 | -7.15              | 15.99     | 0.040   | 7.000     | Pass    |
|                           |              |           | RB8#4                 | 23.17                           | -5                 | -7.15              | 16.02     | 0.040   | 7.000     | Pass    |
|                           |              |           | RB8#7                 | 23.11                           | -5                 | -7.15              | 15.96     | 0.039   | 7.000     | Pass    |
|                           |              |           | RB15#0                | 23.08                           | -5                 | -7.15              | 15.93     | 0.039   | 7.000     | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 23.05                           | -5                 | -7.15              | 15.90     | 0.039   | 7.000     | Pass    |
|                           |              |           | RB1#7                 | 22.97                           | -5                 | -7.15              | 15.82     | 0.038   | 7.000     | Pass    |
|                           |              |           | RB1#14                | 22.88                           | -5                 | -7.15              | 15.73     | 0.037   | 7.000     | Pass    |
|                           |              |           | RB8#0                 | 22.06                           | -5                 | -7.15              | 14.91     | 0.031   | 7.000     | Pass    |
|                           |              |           | RB8#4                 | 22.1                            | -5                 | -7.15              | 14.95     | 0.031   | 7.000     | Pass    |
|                           |              |           | RB8#7                 | 22.05                           | -5                 | -7.15              | 14.90     | 0.031   | 7.000     | Pass    |
|                           |              |           | RB15#0                | 22.16                           | -5                 | -7.15              | 15.01     | 0.032   | 7.000     | Pass    |
|                           |              | 64-QAM    | RB1#0                 | 22.1                            | -5                 | -7.15              | 14.95     | 0.031   | 7.000     | Pass    |
|                           |              |           | RB1#7                 | 22.62                           | -5                 | -7.15              | 15.47     | 0.035   | 7.000     | Pass    |
|                           |              |           | RB1#14                | 22.43                           | -5                 | -7.15              | 15.28     | 0.034   | 7.000     | Pass    |
|                           |              |           | RB8#0                 | 21.04                           | -5                 | -7.15              | 13.89     | 0.024   | 7.000     | Pass    |
|                           |              |           | RB8#4                 | 20.97                           | -5                 | -7.15              | 13.82     | 0.024   | 7.000     | Pass    |
|                           |              |           | RB8#7                 | 20.92                           | -5                 | -7.15              | 13.77     | 0.024   | 7.000     | Pass    |
|                           |              |           | RB15#0                | 20.98                           | -5                 | -7.15              | 13.83     | 0.024   | 7.000     | Pass    |
|                           | HCH          | QPSK      | RB1#0                 | 24.2                            | -5                 | -7.15              | 17.05     | 0.051   | 7.000     | Pass    |
|                           |              |           | RB1#7                 | 24.48                           | -5                 | -7.15              | 17.33     | 0.054   | 7.000     | Pass    |
|                           |              |           | RB1#14                | 24.22                           | -5                 | -7.15              | 17.07     | 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 |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| LTE Band26(Part22) |              |           |                       |                                 |                    |                    |           |         |           |         |
|                    |              |           | RB8#0                 | 23.06                           | -5                 | -7.15              | 15.91     | 0.039   | 7.000     | Pass    |
|                    |              |           | RB8#4                 | 23.17                           | -5                 | -7.15              | 16.02     | 0.040   | 7.000     | Pass    |
|                    |              |           | RB8#7                 | 23.03                           | -5                 | -7.15              | 15.88     | 0.039   | 7.000     | Pass    |
|                    |              |           | RB15#0                | 23.07                           | -5                 | -7.15              | 15.92     | 0.039   | 7.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.75                           | -5                 | -7.15              | 15.60     | 0.036   | 7.000     | Pass    |
|                    |              |           | RB1#7                 | 22.94                           | -5                 | -7.15              | 15.79     | 0.038   | 7.000     | Pass    |
|                    |              |           | RB1#14                | 22.66                           | -5                 | -7.15              | 15.51     | 0.036   | 7.000     | Pass    |
|                    |              |           | RB8#0                 | 21.93                           | -5                 | -7.15              | 14.78     | 0.030   | 7.000     | Pass    |
|                    |              |           | RB8#4                 | 22.07                           | -5                 | -7.15              | 14.92     | 0.031   | 7.000     | Pass    |
|                    |              |           | RB8#7                 | 22.07                           | -5                 | -7.15              | 14.92     | 0.031   | 7.000     | Pass    |
|                    |              |           | RB15#0                | 22.15                           | -5                 | -7.15              | 15.00     | 0.032   | 7.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                 | 22.2                            | -5                 | -7.15              | 15.05     | 0.032   | 7.000     | Pass    |
|                    |              |           | RB1#7                 | 22.42                           | -5                 | -7.15              | 15.27     | 0.034   | 7.000     | Pass    |
|                    |              |           | RB1#14                | 22.02                           | -5                 | -7.15              | 14.87     | 0.031   | 7.000     | Pass    |
|                    |              |           | RB8#0                 | 20.97                           | -5                 | -7.15              | 13.82     | 0.024   | 7.000     | Pass    |
|                    |              |           | RB8#4                 | 20.94                           | -5                 | -7.15              | 13.79     | 0.024   | 7.000     | Pass    |
|                    |              |           | RB8#7                 | 20.95                           | -5                 | -7.15              | 13.80     | 0.024   | 7.000     | Pass    |
|                    |              |           | RB15#0                | 20.92                           | -5                 | -7.15              | 13.77     | 0.024   | 7.000     | Pass    |
| 5 MHz              | LCH          | QPSK      | RB1#0                 | 24.22                           | -5                 | -7.15              | 17.07     | 0.051   | 7.000     | Pass    |
|                    |              |           | RB1#13                | 24.65                           | -5                 | -7.15              | 17.50     | 0.056   | 7.000     | Pass    |
|                    |              |           | RB1#24                | 24.26                           | -5                 | -7.15              | 17.11     | 0.051   | 7.000     | Pass    |
|                    |              |           | RB12#0                | 23.3                            | -5                 | -7.15              | 16.15     | 0.041   | 7.000     | Pass    |
|                    |              |           | RB12#6                | 23.44                           | -5                 | -7.15              | 16.29     | 0.043   | 7.000     | Pass    |
|                    |              |           | RB12#13               | 23.35                           | -5                 | -7.15              | 16.20     | 0.042   | 7.000     | Pass    |
|                    |              |           | RB25#0                | 23.38                           | -5                 | -7.15              | 16.23     | 0.042   | 7.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.03                           | -5                 | -7.15              | 15.88     | 0.039   | 7.000     | Pass    |
|                    |              |           | RB1#13                | 23.07                           | -5                 | -7.15              | 15.92     | 0.039   | 7.000     | Pass    |
|                    |              |           | RB1#24                | 22.92                           | -5                 | -7.15              | 15.77     | 0.038   | 7.000     | Pass    |
|                    |              |           | RB12#0                | 22.19                           | -5                 | -7.15              | 15.04     | 0.032   | 7.000     | Pass    |
|                    |              |           | RB12#6                | 22.32                           | -5                 | -7.15              | 15.17     | 0.033   | 7.000     | Pass    |
|                    |              |           | RB12#13               | 22.28                           | -5                 | -7.15              | 15.13     | 0.033   | 7.000     | Pass    |
|                    |              |           | RB25#0                | 22.41                           | -5                 | -7.15              | 15.26     | 0.034   | 7.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                 | 22.08                           | -5                 | -7.15              | 14.93     | 0.031   | 7.000     | Pass    |
|                    |              |           | RB1#13                | 22.74                           | -5                 | -7.15              | 15.59     | 0.036   | 7.000     | Pass    |
|                    |              |           | RB1#24                | 22.04                           | -5                 | -7.15              | 14.89     | 0.031   | 7.000     | Pass    |
|                    |              |           | RB12#0                | 21.47                           | -5                 | -7.15              | 14.32     | 0.027   | 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> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                           | MCH          | QPSK      | RB12#6                | 21.64                           | -5                 | -7.15              | 14.49     | 0.028   | 7.000     | Pass    |
|                           |              |           | RB12#13               | 21.3                            | -5                 | -7.15              | 14.15     | 0.026   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 21.11                           | -5                 | -7.15              | 13.96     | 0.025   | 7.000     | Pass    |
|                           |              | QPSK      | RB1#0                 | 24.13                           | -5                 | -7.15              | 16.98     | 0.050   | 7.000     | Pass    |
|                           |              |           | RB1#13                | 24.63                           | -5                 | -7.15              | 17.48     | 0.056   | 7.000     | Pass    |
|                           |              |           | RB1#24                | 24.06                           | -5                 | -7.15              | 16.91     | 0.049   | 7.000     | Pass    |
|                           |              |           | RB12#0                | 23.18                           | -5                 | -7.15              | 16.03     | 0.040   | 7.000     | Pass    |
|                           |              |           | RB12#6                | 23.16                           | -5                 | -7.15              | 16.01     | 0.040   | 7.000     | Pass    |
|                           |              |           | RB12#13               | 23.08                           | -5                 | -7.15              | 15.93     | 0.039   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 23.14                           | -5                 | -7.15              | 15.99     | 0.040   | 7.000     | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 22.79                           | -5                 | -7.15              | 15.64     | 0.037   | 7.000     | Pass    |
|                           |              |           | RB1#13                | 23.41                           | -5                 | -7.15              | 16.26     | 0.042   | 7.000     | Pass    |
|                           |              |           | RB1#24                | 22.87                           | -5                 | -7.15              | 15.72     | 0.037   | 7.000     | Pass    |
|                           |              |           | RB12#0                | 22.16                           | -5                 | -7.15              | 15.01     | 0.032   | 7.000     | Pass    |
|                           |              |           | RB12#6                | 22.17                           | -5                 | -7.15              | 15.02     | 0.032   | 7.000     | Pass    |
|                           |              |           | RB12#13               | 22.14                           | -5                 | -7.15              | 14.99     | 0.032   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 22.13                           | -5                 | -7.15              | 14.98     | 0.031   | 7.000     | Pass    |
|                           |              | 64-QAM    | RB1#0                 | 22.02                           | -5                 | -7.15              | 14.87     | 0.031   | 7.000     | Pass    |
|                           |              |           | RB1#13                | 22.85                           | -5                 | -7.15              | 15.70     | 0.037   | 7.000     | Pass    |
|                           |              |           | RB1#24                | 22.16                           | -5                 | -7.15              | 15.01     | 0.032   | 7.000     | Pass    |
|                           |              |           | RB12#0                | 21.39                           | -5                 | -7.15              | 14.24     | 0.027   | 7.000     | Pass    |
|                           |              |           | RB12#6                | 21.42                           | -5                 | -7.15              | 14.27     | 0.027   | 7.000     | Pass    |
|                           |              |           | RB12#13               | 21.39                           | -5                 | -7.15              | 14.24     | 0.027   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 21.13                           | -5                 | -7.15              | 13.98     | 0.025   | 7.000     | Pass    |
|                           | HCH          | QPSK      | RB1#0                 | 24.11                           | -5                 | -7.15              | 16.96     | 0.050   | 7.000     | Pass    |
|                           |              |           | RB1#13                | 24.56                           | -5                 | -7.15              | 17.41     | 0.055   | 7.000     | Pass    |
|                           |              |           | RB1#24                | 24.16                           | -5                 | -7.15              | 17.01     | 0.050   | 7.000     | Pass    |
|                           |              |           | RB12#0                | 23.09                           | -5                 | -7.15              | 15.94     | 0.039   | 7.000     | Pass    |
|                           |              |           | RB12#6                | 23.13                           | -5                 | -7.15              | 15.98     | 0.040   | 7.000     | Pass    |
|                           |              |           | RB12#13               | 23.13                           | -5                 | -7.15              | 15.98     | 0.040   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 23.06                           | -5                 | -7.15              | 15.91     | 0.039   | 7.000     | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 22.83                           | -5                 | -7.15              | 15.68     | 0.037   | 7.000     | Pass    |
|                           |              |           | RB1#13                | 23.06                           | -5                 | -7.15              | 15.91     | 0.039   | 7.000     | Pass    |
|                           |              |           | RB1#24                | 22.71                           | -5                 | -7.15              | 15.56     | 0.036   | 7.000     | Pass    |
|                           |              |           | RB12#0                | 21.96                           | -5                 | -7.15              | 14.81     | 0.030   | 7.000     | Pass    |
|                           |              |           | RB12#6                | 22.02                           | -5                 | -7.15              | 14.87     | 0.031   | 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> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 10 MHz                    | LCH          | 64-QAM    | RB12#13               | 22                              | -5                 | -7.15              | 14.85     | 0.031   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 22.06                           | -5                 | -7.15              | 14.91     | 0.031   | 7.000     | Pass    |
|                           |              |           | RB1#0                 | 21.99                           | -5                 | -7.15              | 14.84     | 0.030   | 7.000     | Pass    |
|                           |              |           | RB1#13                | 22.4                            | -5                 | -7.15              | 15.25     | 0.033   | 7.000     | Pass    |
|                           |              |           | RB1#24                | 21.9                            | -5                 | -7.15              | 14.75     | 0.030   | 7.000     | Pass    |
|                           |              |           | RB12#0                | 21.06                           | -5                 | -7.15              | 13.91     | 0.025   | 7.000     | Pass    |
|                           |              |           | RB12#6                | 21.07                           | -5                 | -7.15              | 13.92     | 0.025   | 7.000     | Pass    |
|                           |              |           | RB12#13               | 20.86                           | -5                 | -7.15              | 13.71     | 0.023   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 20.88                           | -5                 | -7.15              | 13.73     | 0.024   | 7.000     | Pass    |
|                           |              | QPSK      | RB1#0                 | 24.44                           | -5                 | -7.15              | 17.29     | 0.054   | 7.000     | Pass    |
|                           |              |           | RB1#25                | 24.71                           | -5                 | -7.15              | 17.56     | 0.057   | 7.000     | Pass    |
|                           |              |           | RB1#49                | 24.58                           | -5                 | -7.15              | 17.43     | 0.055   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 23.36                           | -5                 | -7.15              | 16.21     | 0.042   | 7.000     | Pass    |
|                           |              |           | RB25#13               | 23.36                           | -5                 | -7.15              | 16.21     | 0.042   | 7.000     | Pass    |
|                           |              |           | RB25#25               | 23.27                           | -5                 | -7.15              | 16.12     | 0.041   | 7.000     | Pass    |
|                           |              |           | RB50#0                | 23.22                           | -5                 | -7.15              | 16.07     | 0.040   | 7.000     | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 22.96                           | -5                 | -7.15              | 15.81     | 0.038   | 7.000     | Pass    |
|                           |              |           | RB1#25                | 23.13                           | -5                 | -7.15              | 15.98     | 0.040   | 7.000     | Pass    |
|                           |              |           | RB1#49                | 23.02                           | -5                 | -7.15              | 15.87     | 0.039   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 22.23                           | -5                 | -7.15              | 15.08     | 0.032   | 7.000     | Pass    |
|                           |              |           | RB25#13               | 22.35                           | -5                 | -7.15              | 15.20     | 0.033   | 7.000     | Pass    |
|                           |              |           | RB25#25               | 22.27                           | -5                 | -7.15              | 15.12     | 0.033   | 7.000     | Pass    |
|                           |              |           | RB50#0                | 22.24                           | -5                 | -7.15              | 15.09     | 0.032   | 7.000     | Pass    |
|                           | MCH          | 64-QAM    | RB1#0                 | 22.24                           | -5                 | -7.15              | 15.09     | 0.032   | 7.000     | Pass    |
|                           |              |           | RB1#25                | 23.05                           | -5                 | -7.15              | 15.90     | 0.039   | 7.000     | Pass    |
|                           |              |           | RB1#49                | 22.66                           | -5                 | -7.15              | 15.51     | 0.036   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 21.37                           | -5                 | -7.15              | 14.22     | 0.026   | 7.000     | Pass    |
|                           |              |           | RB25#13               | 21.41                           | -5                 | -7.15              | 14.26     | 0.027   | 7.000     | Pass    |
|                           |              |           | RB25#25               | 21.35                           | -5                 | -7.15              | 14.20     | 0.026   | 7.000     | Pass    |
|                           |              |           | RB50#0                | 21.14                           | -5                 | -7.15              | 13.99     | 0.025   | 7.000     | Pass    |
|                           |              | QPSK      | RB1#0                 | 24.31                           | -5                 | -7.15              | 17.16     | 0.052   | 7.000     | Pass    |
|                           |              |           | RB1#25                | 24.43                           | -5                 | -7.15              | 17.28     | 0.053   | 7.000     | Pass    |
|                           |              |           | RB1#49                | 24.19                           | -5                 | -7.15              | 17.04     | 0.051   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 23.18                           | -5                 | -7.15              | 16.03     | 0.040   | 7.000     | Pass    |
|                           |              |           | RB25#13               | 23.21                           | -5                 | -7.15              | 16.06     | 0.040   | 7.000     | Pass    |
|                           |              |           | RB25#25               | 23.05                           | -5                 | -7.15              | 15.90     | 0.039   | 7.000     | Pass    |

| Test BW                   | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|---------------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band26(Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                           |              | 16-QAM    | RB50#0                | 23.12                           | -5                 | -7.15              | 15.97     | 0.040   | 7.000     | Pass    |
|                           |              |           | RB1#0                 | 22.93                           | -5                 | -7.15              | 15.78     | 0.038   | 7.000     | Pass    |
|                           |              |           | RB1#25                | 23.06                           | -5                 | -7.15              | 15.91     | 0.039   | 7.000     | Pass    |
|                           |              |           | RB1#49                | 22.61                           | -5                 | -7.15              | 15.46     | 0.035   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 22.04                           | -5                 | -7.15              | 14.89     | 0.031   | 7.000     | Pass    |
|                           |              |           | RB25#13               | 22.18                           | -5                 | -7.15              | 15.03     | 0.032   | 7.000     | Pass    |
|                           |              |           | RB25#25               | 22.12                           | -5                 | -7.15              | 14.97     | 0.031   | 7.000     | Pass    |
|                           |              | 64-QAM    | RB50#0                | 22.19                           | -5                 | -7.15              | 15.04     | 0.032   | 7.000     | Pass    |
|                           |              |           | RB1#0                 | 22.08                           | -5                 | -7.15              | 14.93     | 0.031   | 7.000     | Pass    |
|                           |              |           | RB1#25                | 22.87                           | -5                 | -7.15              | 15.72     | 0.037   | 7.000     | Pass    |
|                           |              |           | RB1#49                | 22.15                           | -5                 | -7.15              | 15.00     | 0.032   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 21.25                           | -5                 | -7.15              | 14.10     | 0.026   | 7.000     | Pass    |
|                           |              |           | RB25#13               | 21.37                           | -5                 | -7.15              | 14.22     | 0.026   | 7.000     | Pass    |
|                           |              |           | RB25#25               | 21.26                           | -5                 | -7.15              | 14.11     | 0.026   | 7.000     | Pass    |
|                           |              |           | RB50#0                | 21.08                           | -5                 | -7.15              | 13.93     | 0.025   | 7.000     | Pass    |
|                           | HCH          | QPSK      | RB1#0                 | 24.21                           | -5                 | -7.15              | 17.06     | 0.051   | 7.000     | Pass    |
|                           |              |           | RB1#25                | 24.28                           | -5                 | -7.15              | 17.13     | 0.052   | 7.000     | Pass    |
|                           |              |           | RB1#49                | 24.15                           | -5                 | -7.15              | 17.00     | 0.050   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 23.25                           | -5                 | -7.15              | 16.10     | 0.041   | 7.000     | Pass    |
|                           |              |           | RB25#13               | 23.09                           | -5                 | -7.15              | 15.94     | 0.039   | 7.000     | Pass    |
|                           |              |           | RB25#25               | 23.13                           | -5                 | -7.15              | 15.98     | 0.040   | 7.000     | Pass    |
|                           |              |           | RB50#0                | 23.18                           | -5                 | -7.15              | 16.03     | 0.040   | 7.000     | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 22.98                           | -5                 | -7.15              | 15.83     | 0.038   | 7.000     | Pass    |
|                           |              |           | RB1#25                | 22.77                           | -5                 | -7.15              | 15.62     | 0.036   | 7.000     | Pass    |
|                           |              |           | RB1#49                | 22.67                           | -5                 | -7.15              | 15.52     | 0.036   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 22.05                           | -5                 | -7.15              | 14.90     | 0.031   | 7.000     | Pass    |
|                           |              |           | RB25#13               | 21.99                           | -5                 | -7.15              | 14.84     | 0.030   | 7.000     | Pass    |
|                           |              |           | RB25#25               | 22.12                           | -5                 | -7.15              | 14.97     | 0.031   | 7.000     | Pass    |
|                           |              |           | RB50#0                | 22.09                           | -5                 | -7.15              | 14.94     | 0.031   | 7.000     | Pass    |
|                           |              | 64-QAM    | RB1#0                 | 22.03                           | -5                 | -7.15              | 14.88     | 0.031   | 7.000     | Pass    |
|                           |              |           | RB1#25                | 22.09                           | -5                 | -7.15              | 14.94     | 0.031   | 7.000     | Pass    |
|                           |              |           | RB1#49                | 21.91                           | -5                 | -7.15              | 14.76     | 0.030   | 7.000     | Pass    |
|                           |              |           | RB25#0                | 20.94                           | -5                 | -7.15              | 13.79     | 0.024   | 7.000     | Pass    |
|                           |              |           | RB25#13               | 20.87                           | -5                 | -7.15              | 13.72     | 0.024   | 7.000     | Pass    |
|                           |              |           | RB25#25               | 20.74                           | -5                 | -7.15              | 13.59     | 0.023   | 7.000     | Pass    |
|                           |              |           | RB50#0                | 21.01                           | -5                 | -7.15              | 13.86     | 0.024   | 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> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 15 MHz                    | LCH          | QPSK      | RB1#0                 | 24.41                           | -5                 | -7.15              | 17.26     | 0.053   | 7.000     | Pass    |
|                           |              |           | RB1#38                | 24.75                           | -5                 | -7.15              | 17.60     | 0.058   | 7.000     | Pass    |
|                           |              |           | RB1#74                | 24.19                           | -5                 | -7.15              | 17.04     | 0.051   | 7.000     | Pass    |
|                           |              |           | RB36#0                | 23.27                           | -5                 | -7.15              | 16.12     | 0.041   | 7.000     | Pass    |
|                           |              |           | RB36#19               | 23.22                           | -5                 | -7.15              | 16.07     | 0.040   | 7.000     | Pass    |
|                           |              |           | RB36#39               | 23.15                           | -5                 | -7.15              | 16.00     | 0.040   | 7.000     | Pass    |
|                           |              |           | RB75#0                | 23.16                           | -5                 | -7.15              | 16.01     | 0.040   | 7.000     | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 22.25                           | -5                 | -7.15              | 15.10     | 0.032   | 7.000     | Pass    |
|                           |              |           | RB1#38                | 23.48                           | -5                 | -7.15              | 16.33     | 0.043   | 7.000     | Pass    |
|                           |              |           | RB1#74                | 22.83                           | -5                 | -7.15              | 15.68     | 0.037   | 7.000     | Pass    |
|                           |              |           | RB36#0                | 22.23                           | -5                 | -7.15              | 15.08     | 0.032   | 7.000     | Pass    |
|                           |              |           | RB36#19               | 22.2                            | -5                 | -7.15              | 15.05     | 0.032   | 7.000     | Pass    |
|                           |              |           | RB36#39               | 22.14                           | -5                 | -7.15              | 14.99     | 0.032   | 7.000     | Pass    |
|                           |              |           | RB75#0                | 22.17                           | -5                 | -7.15              | 15.02     | 0.032   | 7.000     | Pass    |
|                           |              | 64-QAM    | RB1#0                 | 22.2                            | -5                 | -7.15              | 15.05     | 0.032   | 7.000     | Pass    |
|                           |              |           | RB1#38                | 22.58                           | -5                 | -7.15              | 15.43     | 0.035   | 7.000     | Pass    |
|                           |              |           | RB1#74                | 22.16                           | -5                 | -7.15              | 15.01     | 0.032   | 7.000     | Pass    |
|                           |              |           | RB36#0                | 21.26                           | -5                 | -7.15              | 14.11     | 0.026   | 7.000     | Pass    |
|                           |              |           | RB36#19               | 21.31                           | -5                 | -7.15              | 14.16     | 0.026   | 7.000     | Pass    |
|                           |              |           | RB36#39               | 21.23                           | -5                 | -7.15              | 14.08     | 0.026   | 7.000     | Pass    |
|                           |              |           | RB75#0                | 21.07                           | -5                 | -7.15              | 13.92     | 0.025   | 7.000     | Pass    |
|                           | MCH          | QPSK      | RB1#0                 | 24.27                           | -5                 | -7.15              | 17.12     | 0.052   | 7.000     | Pass    |
|                           |              |           | RB1#38                | 24.45                           | -5                 | -7.15              | 17.30     | 0.054   | 7.000     | Pass    |
|                           |              |           | RB1#74                | 24.1                            | -5                 | -7.15              | 16.95     | 0.050   | 7.000     | Pass    |
|                           |              |           | RB36#0                | 23.26                           | -5                 | -7.15              | 16.11     | 0.041   | 7.000     | Pass    |
|                           |              |           | RB36#19               | 23.33                           | -5                 | -7.15              | 16.18     | 0.041   | 7.000     | Pass    |
|                           |              |           | RB36#39               | 23.03                           | -5                 | -7.15              | 15.88     | 0.039   | 7.000     | Pass    |
|                           |              |           | RB75#0                | 23.21                           | -5                 | -7.15              | 16.06     | 0.040   | 7.000     | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 22.98                           | -5                 | -7.15              | 15.83     | 0.038   | 7.000     | Pass    |
|                           |              |           | RB1#38                | 23                              | -5                 | -7.15              | 15.85     | 0.038   | 7.000     | Pass    |
|                           |              |           | RB1#74                | 22.61                           | -5                 | -7.15              | 15.46     | 0.035   | 7.000     | Pass    |
|                           |              |           | RB36#0                | 22.13                           | -5                 | -7.15              | 14.98     | 0.031   | 7.000     | Pass    |
|                           |              |           | RB36#19               | 22.17                           | -5                 | -7.15              | 15.02     | 0.032   | 7.000     | Pass    |
|                           |              |           | RB36#39               | 21.91                           | -5                 | -7.15              | 14.76     | 0.030   | 7.000     | Pass    |
|                           |              |           | RB75#0                | 22.07                           | -5                 | -7.15              | 14.92     | 0.031   | 7.000     | Pass    |
|                           |              | 64-QAM    | RB1#0                 | 22.19                           | -5                 | -7.15              | 15.04     | 0.032   | 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#38                | 22.91                           | -5                 | -7.15              | 15.76     | 0.038   | 7.000     | Pass    |
|                           |              |           | RB1#74                | 21.9                            | -5                 | -7.15              | 14.75     | 0.030   | 7.000     | Pass    |
|                           |              |           | RB36#0                | 21.06                           | -5                 | -7.15              | 13.91     | 0.025   | 7.000     | Pass    |
|                           |              |           | RB36#19               | 21.11                           | -5                 | -7.15              | 13.96     | 0.025   | 7.000     | Pass    |
|                           |              |           | RB36#39               | 20.9                            | -5                 | -7.15              | 13.75     | 0.024   | 7.000     | Pass    |
|                           |              |           | RB75#0                | 20.81                           | -5                 | -7.15              | 13.66     | 0.023   | 7.000     | Pass    |
|                           | HCH          | QPSK      | RB1#0                 | 24.22                           | -5                 | -7.15              | 17.07     | 0.051   | 7.000     | Pass    |
|                           |              |           | RB1#38                | 24.6                            | -5                 | -7.15              | 17.45     | 0.056   | 7.000     | Pass    |
|                           |              |           | RB1#74                | 24.22                           | -5                 | -7.15              | 17.07     | 0.051   | 7.000     | Pass    |
|                           |              |           | RB36#0                | 23.13                           | -5                 | -7.15              | 15.98     | 0.040   | 7.000     | Pass    |
|                           |              |           | RB36#19               | 23.06                           | -5                 | -7.15              | 15.91     | 0.039   | 7.000     | Pass    |
|                           |              |           | RB36#39               | 22.95                           | -5                 | -7.15              | 15.80     | 0.038   | 7.000     | Pass    |
|                           |              |           | RB75#0                | 23.03                           | -5                 | -7.15              | 15.88     | 0.039   | 7.000     | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 22.78                           | -5                 | -7.15              | 15.63     | 0.037   | 7.000     | Pass    |
|                           |              |           | RB1#38                | 22.84                           | -5                 | -7.15              | 15.69     | 0.037   | 7.000     | Pass    |
|                           |              |           | RB1#74                | 22.55                           | -5                 | -7.15              | 15.40     | 0.035   | 7.000     | Pass    |
|                           |              |           | RB36#0                | 22.1                            | -5                 | -7.15              | 14.95     | 0.031   | 7.000     | Pass    |
|                           |              |           | RB36#19               | 22.05                           | -5                 | -7.15              | 14.90     | 0.031   | 7.000     | Pass    |
|                           |              |           | RB36#39               | 21.93                           | -5                 | -7.15              | 14.78     | 0.030   | 7.000     | Pass    |
|                           |              |           | RB75#0                | 22.11                           | -5                 | -7.15              | 14.96     | 0.031   | 7.000     | Pass    |
|                           |              | 64-QAM    | RB1#0                 | 21.74                           | -5                 | -7.15              | 14.59     | 0.029   | 7.000     | Pass    |
|                           |              |           | RB1#38                | 22.75                           | -5                 | -7.15              | 15.60     | 0.036   | 7.000     | Pass    |
|                           |              |           | RB1#74                | 21.81                           | -5                 | -7.15              | 14.66     | 0.029   | 7.000     | Pass    |
|                           |              |           | RB36#0                | 21.22                           | -5                 | -7.15              | 14.07     | 0.026   | 7.000     | Pass    |
|                           |              |           | RB36#19               | 21.08                           | -5                 | -7.15              | 13.93     | 0.025   | 7.000     | Pass    |
|                           |              |           | RB36#39               | 20.88                           | -5                 | -7.15              | 13.73     | 0.024   | 7.000     | Pass    |
|                           |              |           | RB75#0                | 20.92                           | -5                 | -7.15              | 13.77     | 0.024   | 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(Part90)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 1.4 MHz                   | LCH          | QPSK      | RB1#0                 | 23.98                           | -5                 | -7.15              | 16.83     | 0.048   | 100.000   | Pass    |
|                           |              |           | RB1#3                 | 24.36                           | -5                 | -7.15              | 17.21     | 0.053   | 100.000   | Pass    |
|                           |              |           | RB1#5                 | 24.15                           | -5                 | -7.15              | 17.00     | 0.050   | 100.000   | Pass    |
|                           |              |           | RB3#0                 | 23.9                            | -5                 | -7.15              | 16.75     | 0.047   | 100.000   | Pass    |
|                           |              |           | RB3#2                 | 24.03                           | -5                 | -7.15              | 16.88     | 0.049   | 100.000   | Pass    |
|                           |              |           | RB3#3                 | 23.85                           | -5                 | -7.15              | 16.70     | 0.047   | 100.000   | Pass    |
|                           |              |           | RB6#0                 | 22.83                           | -5                 | -7.15              | 15.68     | 0.037   | 100.000   | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 22.78                           | -5                 | -7.15              | 15.63     | 0.037   | 100.000   | Pass    |
|                           |              |           | RB1#3                 | 22.7                            | -5                 | -7.15              | 15.55     | 0.036   | 100.000   | Pass    |
|                           |              |           | RB1#5                 | 22.77                           | -5                 | -7.15              | 15.62     | 0.036   | 100.000   | Pass    |
|                           |              |           | RB3#0                 | 22.99                           | -5                 | -7.15              | 15.84     | 0.038   | 100.000   | Pass    |
|                           |              |           | RB3#2                 | 22.86                           | -5                 | -7.15              | 15.71     | 0.037   | 100.000   | Pass    |
|                           |              |           | RB3#3                 | 22.95                           | -5                 | -7.15              | 15.80     | 0.038   | 100.000   | Pass    |
|                           |              |           | RB6#0                 | 22                              | -5                 | -7.15              | 14.85     | 0.031   | 100.000   | Pass    |
|                           |              | 64-QAM    | RB1#0                 | 21.87                           | -5                 | -7.15              | 14.72     | 0.030   | 100.000   | Pass    |
|                           |              |           | RB1#3                 | 22.03                           | -5                 | -7.15              | 14.88     | 0.031   | 100.000   | Pass    |
|                           |              |           | RB1#5                 | 21.92                           | -5                 | -7.15              | 14.77     | 0.030   | 100.000   | Pass    |
|                           |              |           | RB3#0                 | 21.98                           | -5                 | -7.15              | 14.83     | 0.030   | 100.000   | Pass    |
|                           |              |           | RB3#2                 | 22.05                           | -5                 | -7.15              | 14.90     | 0.031   | 100.000   | Pass    |
|                           |              |           | RB3#3                 | 21.92                           | -5                 | -7.15              | 14.77     | 0.030   | 100.000   | Pass    |
|                           |              |           | RB6#0                 | 20.73                           | -5                 | -7.15              | 13.58     | 0.023   | 100.000   | Pass    |
|                           | MCH          | QPSK      | RB1#0                 | 24.09                           | -5                 | -7.15              | 16.94     | 0.049   | 100.000   | Pass    |
|                           |              |           | RB1#3                 | 24.08                           | -5                 | -7.15              | 16.93     | 0.049   | 100.000   | Pass    |
|                           |              |           | RB1#5                 | 23.96                           | -5                 | -7.15              | 16.81     | 0.048   | 100.000   | Pass    |
|                           |              |           | RB3#0                 | 23.93                           | -5                 | -7.15              | 16.78     | 0.048   | 100.000   | Pass    |
|                           |              |           | RB3#2                 | 23.94                           | -5                 | -7.15              | 16.79     | 0.048   | 100.000   | Pass    |
|                           |              |           | RB3#3                 | 23.95                           | -5                 | -7.15              | 16.80     | 0.048   | 100.000   | Pass    |
|                           |              |           | RB6#0                 | 22.83                           | -5                 | -7.15              | 15.68     | 0.037   | 100.000   | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 22.74                           | -5                 | -7.15              | 15.59     | 0.036   | 100.000   | Pass    |
|                           |              |           | RB1#3                 | 22.76                           | -5                 | -7.15              | 15.61     | 0.036   | 100.000   | Pass    |
|                           |              |           | RB1#5                 | 22.84                           | -5                 | -7.15              | 15.69     | 0.037   | 100.000   | Pass    |
|                           |              |           | RB3#0                 | 22.85                           | -5                 | -7.15              | 15.70     | 0.037   | 100.000   | Pass    |
|                           |              |           | RB3#2                 | 22.83                           | -5                 | -7.15              | 15.68     | 0.037   | 100.000   | Pass    |
|                           |              |           | RB3#3                 | 22.8                            | -5                 | -7.15              | 15.65     | 0.037   | 100.000   | Pass    |
|                           |              |           | RB6#0                 | 21.74                           | -5                 | -7.15              | 14.59     | 0.029   | 100.000   | Pass    |
|                           |              | 64-QAM    | RB1#0                 | 21.45                           | -5                 | -7.15              | 14.30     | 0.027   | 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#3                 | 22.03                           | -5                 | -7.15              | 14.88     | 0.031   | 100.000   | Pass    |
|                           |              |           | RB1#5                 | 22.11                           | -5                 | -7.15              | 14.96     | 0.031   | 100.000   | Pass    |
|                           |              |           | RB3#0                 | 22.04                           | -5                 | -7.15              | 14.89     | 0.031   | 100.000   | Pass    |
|                           |              |           | RB3#2                 | 22.02                           | -5                 | -7.15              | 14.87     | 0.031   | 100.000   | Pass    |
|                           |              |           | RB3#3                 | 21.9                            | -5                 | -7.15              | 14.75     | 0.030   | 100.000   | Pass    |
|                           |              |           | RB6#0                 | 20.87                           | -5                 | -7.15              | 13.72     | 0.024   | 100.000   | Pass    |
|                           | HCH          | QPSK      | RB1#0                 | 24.17                           | -5                 | -7.15              | 17.02     | 0.050   | 100.000   | Pass    |
|                           |              |           | RB1#3                 | 24.31                           | -5                 | -7.15              | 17.16     | 0.052   | 100.000   | Pass    |
|                           |              |           | RB1#5                 | 24.11                           | -5                 | -7.15              | 16.96     | 0.050   | 100.000   | Pass    |
|                           |              |           | RB3#0                 | 24.01                           | -5                 | -7.15              | 16.86     | 0.049   | 100.000   | Pass    |
|                           |              |           | RB3#2                 | 24.06                           | -5                 | -7.15              | 16.91     | 0.049   | 100.000   | Pass    |
|                           |              |           | RB3#3                 | 23.96                           | -5                 | -7.15              | 16.81     | 0.048   | 100.000   | Pass    |
|                           |              |           | RB6#0                 | 22.08                           | -5                 | -7.15              | 14.93     | 0.031   | 100.000   | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 22.91                           | -5                 | -7.15              | 15.76     | 0.038   | 100.000   | Pass    |
|                           |              |           | RB1#3                 | 22.85                           | -5                 | -7.15              | 15.70     | 0.037   | 100.000   | Pass    |
|                           |              |           | RB1#5                 | 22.85                           | -5                 | -7.15              | 15.70     | 0.037   | 100.000   | Pass    |
|                           |              |           | RB3#0                 | 23                              | -5                 | -7.15              | 15.85     | 0.038   | 100.000   | Pass    |
|                           |              |           | RB3#2                 | 23.06                           | -5                 | -7.15              | 15.91     | 0.039   | 100.000   | Pass    |
|                           |              |           | RB3#3                 | 23                              | -5                 | -7.15              | 15.85     | 0.038   | 100.000   | Pass    |
|                           |              |           | RB6#0                 | 22.13                           | -5                 | -7.15              | 14.98     | 0.031   | 100.000   | Pass    |
|                           |              | 64-QAM    | RB1#0                 | 22.45                           | -5                 | -7.15              | 15.30     | 0.034   | 100.000   | Pass    |
|                           |              |           | RB1#3                 | 22.29                           | -5                 | -7.15              | 15.14     | 0.033   | 100.000   | Pass    |
|                           |              |           | RB1#5                 | 22.3                            | -5                 | -7.15              | 15.15     | 0.033   | 100.000   | Pass    |
|                           |              |           | RB3#0                 | 22.05                           | -5                 | -7.15              | 14.90     | 0.031   | 100.000   | Pass    |
|                           |              |           | RB3#2                 | 22.2                            | -5                 | -7.15              | 15.05     | 0.032   | 100.000   | Pass    |
|                           |              |           | RB3#3                 | 22.04                           | -5                 | -7.15              | 14.89     | 0.031   | 100.000   | Pass    |
|                           |              |           | RB6#0                 | 21.03                           | -5                 | -7.15              | 13.88     | 0.024   | 100.000   | Pass    |
| 3 MHz                     | LCH          | QPSK      | RB1#0                 | 23.98                           | -5                 | -7.15              | 16.83     | 0.048   | 100.000   | Pass    |
|                           |              |           | RB1#7                 | 24.48                           | -5                 | -7.15              | 17.33     | 0.054   | 100.000   | Pass    |
|                           |              |           | RB1#14                | 24.03                           | -5                 | -7.15              | 16.88     | 0.049   | 100.000   | Pass    |
|                           |              |           | RB8#0                 | 22.91                           | -5                 | -7.15              | 15.76     | 0.038   | 100.000   | Pass    |
|                           |              |           | RB8#4                 | 22.98                           | -5                 | -7.15              | 15.83     | 0.038   | 100.000   | Pass    |
|                           |              |           | RB8#7                 | 22.97                           | -5                 | -7.15              | 15.82     | 0.038   | 100.000   | Pass    |
|                           |              |           | RB15#0                | 22.89                           | -5                 | -7.15              | 15.74     | 0.037   | 100.000   | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 22.86                           | -5                 | -7.15              | 15.71     | 0.037   | 100.000   | Pass    |
|                           |              |           | RB1#7                 | 22.71                           | -5                 | -7.15              | 15.56     | 0.036   | 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#14                | 22.76                           | -5                 | -7.15              | 15.61     | 0.036   | 100.000   | Pass    |
|                           |              |           | RB8#0                 | 21.66                           | -5                 | -7.15              | 14.51     | 0.028   | 100.000   | Pass    |
|                           |              |           | RB8#4                 | 21.64                           | -5                 | -7.15              | 14.49     | 0.028   | 100.000   | Pass    |
|                           |              |           | RB8#7                 | 21.83                           | -5                 | -7.15              | 14.68     | 0.029   | 100.000   | Pass    |
|                           |              |           | RB15#0                | 21.79                           | -5                 | -7.15              | 14.64     | 0.029   | 100.000   | Pass    |
|                           |              | 64-QAM    | RB1#0                 | 21.74                           | -5                 | -7.15              | 14.59     | 0.029   | 100.000   | Pass    |
|                           |              |           | RB1#7                 | 22.14                           | -5                 | -7.15              | 14.99     | 0.032   | 100.000   | Pass    |
|                           |              |           | RB1#14                | 22.07                           | -5                 | -7.15              | 14.92     | 0.031   | 100.000   | Pass    |
|                           |              |           | RB8#0                 | 20.72                           | -5                 | -7.15              | 13.57     | 0.023   | 100.000   | Pass    |
|                           |              |           | RB8#4                 | 20.97                           | -5                 | -7.15              | 13.82     | 0.024   | 100.000   | Pass    |
|                           |              |           | RB8#7                 | 20.84                           | -5                 | -7.15              | 13.69     | 0.023   | 100.000   | Pass    |
|                           |              |           | RB15#0                | 20.85                           | -5                 | -7.15              | 13.70     | 0.023   | 100.000   | Pass    |
|                           | MCH          | QPSK      | RB1#0                 | 23.97                           | -5                 | -7.15              | 16.82     | 0.048   | 100.000   | Pass    |
|                           |              |           | RB1#7                 | 24.25                           | -5                 | -7.15              | 17.10     | 0.051   | 100.000   | Pass    |
|                           |              |           | RB1#14                | 24.08                           | -5                 | -7.15              | 16.93     | 0.049   | 100.000   | Pass    |
|                           |              |           | RB8#0                 | 23.09                           | -5                 | -7.15              | 15.94     | 0.039   | 100.000   | Pass    |
|                           |              |           | RB8#4                 | 22.97                           | -5                 | -7.15              | 15.82     | 0.038   | 100.000   | Pass    |
|                           |              |           | RB8#7                 | 22.97                           | -5                 | -7.15              | 15.82     | 0.038   | 100.000   | Pass    |
|                           |              |           | RB15#0                | 22.94                           | -5                 | -7.15              | 15.79     | 0.038   | 100.000   | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 22.86                           | -5                 | -7.15              | 15.71     | 0.037   | 100.000   | Pass    |
|                           |              |           | RB1#7                 | 22.71                           | -5                 | -7.15              | 15.56     | 0.036   | 100.000   | Pass    |
|                           |              |           | RB1#14                | 22.59                           | -5                 | -7.15              | 15.44     | 0.035   | 100.000   | Pass    |
|                           |              |           | RB8#0                 | 22.05                           | -5                 | -7.15              | 14.90     | 0.031   | 100.000   | Pass    |
|                           |              |           | RB8#4                 | 22                              | -5                 | -7.15              | 14.85     | 0.031   | 100.000   | Pass    |
|                           |              |           | RB8#7                 | 22.03                           | -5                 | -7.15              | 14.88     | 0.031   | 100.000   | Pass    |
|                           |              |           | RB15#0                | 22.02                           | -5                 | -7.15              | 14.87     | 0.031   | 100.000   | Pass    |
|                           |              | 64-QAM    | RB1#0                 | 21.85                           | -5                 | -7.15              | 14.70     | 0.030   | 100.000   | Pass    |
|                           |              |           | RB1#7                 | 22.29                           | -5                 | -7.15              | 15.14     | 0.033   | 100.000   | Pass    |
|                           |              |           | RB1#14                | 21.89                           | -5                 | -7.15              | 14.74     | 0.030   | 100.000   | Pass    |
|                           |              |           | RB8#0                 | 21.05                           | -5                 | -7.15              | 13.90     | 0.025   | 100.000   | Pass    |
|                           |              |           | RB8#4                 | 20.91                           | -5                 | -7.15              | 13.76     | 0.024   | 100.000   | Pass    |
|                           |              |           | RB8#7                 | 20.79                           | -5                 | -7.15              | 13.64     | 0.023   | 100.000   | Pass    |
|                           |              |           | RB15#0                | 20.9                            | -5                 | -7.15              | 13.75     | 0.024   | 100.000   | Pass    |
|                           | HCH          | QPSK      | RB1#0                 | 24.09                           | -5                 | -7.15              | 16.94     | 0.049   | 100.000   | Pass    |
|                           |              |           | RB1#7                 | 24.27                           | -5                 | -7.15              | 17.12     | 0.052   | 100.000   | Pass    |
|                           |              |           | RB1#14                | 24.09                           | -5                 | -7.15              | 16.94     | 0.049   | 100.000   | Pass    |

| Test BW                   | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|---------------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND26(Part90)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                           |              |           | RB8#0                 | 23.14                           | -5                 | -7.15              | 15.99     | 0.040   | 100.000   | Pass    |
|                           |              |           | RB8#4                 | 23.1                            | -5                 | -7.15              | 15.95     | 0.039   | 100.000   | Pass    |
|                           |              |           | RB8#7                 | 23.05                           | -5                 | -7.15              | 15.90     | 0.039   | 100.000   | Pass    |
|                           |              |           | RB15#0                | 22.99                           | -5                 | -7.15              | 15.84     | 0.038   | 100.000   | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 23.1                            | -5                 | -7.15              | 15.95     | 0.039   | 100.000   | Pass    |
|                           |              |           | RB1#7                 | 23.52                           | -5                 | -7.15              | 16.37     | 0.043   | 100.000   | Pass    |
|                           |              |           | RB1#14                | 22.87                           | -5                 | -7.15              | 15.72     | 0.037   | 100.000   | Pass    |
|                           |              |           | RB8#0                 | 22.07                           | -5                 | -7.15              | 14.92     | 0.031   | 100.000   | Pass    |
|                           |              |           | RB8#4                 | 22.06                           | -5                 | -7.15              | 14.91     | 0.031   | 100.000   | Pass    |
|                           |              |           | RB8#7                 | 22.11                           | -5                 | -7.15              | 14.96     | 0.031   | 100.000   | Pass    |
|                           |              |           | RB15#0                | 22.01                           | -5                 | -7.15              | 14.86     | 0.031   | 100.000   | Pass    |
|                           |              |           | RB1#0                 | 21.85                           | -5                 | -7.15              | 14.70     | 0.030   | 100.000   | Pass    |
|                           |              | 64-QAM    | RB1#7                 | 22.1                            | -5                 | -7.15              | 14.95     | 0.031   | 100.000   | Pass    |
|                           |              |           | RB1#14                | 22.04                           | -5                 | -7.15              | 14.89     | 0.031   | 100.000   | Pass    |
|                           |              |           | RB8#0                 | 21                              | -5                 | -7.15              | 13.85     | 0.024   | 100.000   | Pass    |
|                           |              |           | RB8#4                 | 20.99                           | -5                 | -7.15              | 13.84     | 0.024   | 100.000   | Pass    |
|                           |              |           | RB8#7                 | 21.04                           | -5                 | -7.15              | 13.89     | 0.024   | 100.000   | Pass    |
|                           |              |           | RB15#0                | 21.06                           | -5                 | -7.15              | 13.91     | 0.025   | 100.000   | Pass    |
|                           |              |           | RB1#0                 | 23.81                           | -5                 | -7.15              | 16.66     | 0.046   | 100.000   | Pass    |
| 5 MHz                     | LCH          | QPSK      | RB1#13                | 24.32                           | -5                 | -7.15              | 17.17     | 0.052   | 100.000   | Pass    |
|                           |              |           | RB1#24                | 23.96                           | -5                 | -7.15              | 16.81     | 0.048   | 100.000   | Pass    |
|                           |              |           | RB12#0                | 22.92                           | -5                 | -7.15              | 15.77     | 0.038   | 100.000   | Pass    |
|                           |              |           | RB12#6                | 22.94                           | -5                 | -7.15              | 15.79     | 0.038   | 100.000   | Pass    |
|                           |              |           | RB12#13               | 22.9                            | -5                 | -7.15              | 15.75     | 0.038   | 100.000   | Pass    |
|                           |              |           | RB25#0                | 22.94                           | -5                 | -7.15              | 15.79     | 0.038   | 100.000   | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 22.56                           | -5                 | -7.15              | 15.41     | 0.035   | 100.000   | Pass    |
|                           |              |           | RB1#13                | 23.33                           | -5                 | -7.15              | 16.18     | 0.041   | 100.000   | Pass    |
|                           |              |           | RB1#24                | 22.67                           | -5                 | -7.15              | 15.52     | 0.036   | 100.000   | Pass    |
|                           |              |           | RB12#0                | 21.67                           | -5                 | -7.15              | 14.52     | 0.028   | 100.000   | Pass    |
|                           |              |           | RB12#6                | 21.92                           | -5                 | -7.15              | 14.77     | 0.030   | 100.000   | Pass    |
|                           |              |           | RB12#13               | 21.81                           | -5                 | -7.15              | 14.66     | 0.029   | 100.000   | Pass    |
|                           |              |           | RB25#0                | 21.97                           | -5                 | -7.15              | 14.82     | 0.030   | 100.000   | Pass    |
|                           |              | 64-QAM    | RB1#0                 | 21.86                           | -5                 | -7.15              | 14.71     | 0.030   | 100.000   | Pass    |
|                           |              |           | RB1#13                | 22.44                           | -5                 | -7.15              | 15.29     | 0.034   | 100.000   | Pass    |
|                           |              |           | RB1#24                | 21.86                           | -5                 | -7.15              | 14.71     | 0.030   | 100.000   | Pass    |
|                           |              |           | RB12#0                | 21.05                           | -5                 | -7.15              | 13.90     | 0.025   | 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> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                           |              |           | RB12#6                | 21.28                           | -5                 | -7.15              | 14.13     | 0.026   | 100.000   | Pass    |
|                           |              |           | RB12#13               | 21.05                           | -5                 | -7.15              | 13.90     | 0.025   | 100.000   | Pass    |
|                           |              |           | RB25#0                | 20.89                           | -5                 | -7.15              | 13.74     | 0.024   | 100.000   | Pass    |
|                           | MCH          | QPSK      | RB1#0                 | 23.99                           | -5                 | -7.15              | 16.84     | 0.048   | 100.000   | Pass    |
|                           |              |           | RB1#13                | 24.44                           | -5                 | -7.15              | 17.29     | 0.054   | 100.000   | Pass    |
|                           |              |           | RB1#24                | 23.98                           | -5                 | -7.15              | 16.83     | 0.048   | 100.000   | Pass    |
|                           |              |           | RB12#0                | 22.99                           | -5                 | -7.15              | 15.84     | 0.038   | 100.000   | Pass    |
|                           |              |           | RB12#6                | 22.95                           | -5                 | -7.15              | 15.80     | 0.038   | 100.000   | Pass    |
|                           |              |           | RB12#13               | 22.93                           | -5                 | -7.15              | 15.78     | 0.038   | 100.000   | Pass    |
|                           |              |           | RB25#0                | 22.88                           | -5                 | -7.15              | 15.73     | 0.037   | 100.000   | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 22.58                           | -5                 | -7.15              | 15.43     | 0.035   | 100.000   | Pass    |
|                           |              |           | RB1#13                | 22.98                           | -5                 | -7.15              | 15.83     | 0.038   | 100.000   | Pass    |
|                           |              |           | RB1#24                | 22.47                           | -5                 | -7.15              | 15.32     | 0.034   | 100.000   | Pass    |
|                           |              |           | RB12#0                | 22.16                           | -5                 | -7.15              | 15.01     | 0.032   | 100.000   | Pass    |
|                           |              |           | RB12#6                | 22.12                           | -5                 | -7.15              | 14.97     | 0.031   | 100.000   | Pass    |
|                           |              |           | RB12#13               | 21.93                           | -5                 | -7.15              | 14.78     | 0.030   | 100.000   | Pass    |
|                           |              |           | RB25#0                | 22.25                           | -5                 | -7.15              | 15.10     | 0.032   | 100.000   | Pass    |
|                           |              | 64-QAM    | RB1#0                 | 21.89                           | -5                 | -7.15              | 14.74     | 0.030   | 100.000   | Pass    |
|                           |              |           | RB1#13                | 22.42                           | -5                 | -7.15              | 15.27     | 0.034   | 100.000   | Pass    |
|                           |              |           | RB1#24                | 21.87                           | -5                 | -7.15              | 14.72     | 0.030   | 100.000   | Pass    |
|                           |              |           | RB12#0                | 21.03                           | -5                 | -7.15              | 13.88     | 0.024   | 100.000   | Pass    |
|                           |              |           | RB12#6                | 21.08                           | -5                 | -7.15              | 13.93     | 0.025   | 100.000   | Pass    |
|                           |              |           | RB12#13               | 20.7                            | -5                 | -7.15              | 13.55     | 0.023   | 100.000   | Pass    |
|                           |              |           | RB25#0                | 20.89                           | -5                 | -7.15              | 13.74     | 0.024   | 100.000   | Pass    |
|                           | HCH          | QPSK      | RB1#0                 | 24.03                           | -5                 | -7.15              | 16.88     | 0.049   | 100.000   | Pass    |
|                           |              |           | RB1#13                | 24.21                           | -5                 | -7.15              | 17.06     | 0.051   | 100.000   | Pass    |
|                           |              |           | RB1#24                | 24.06                           | -5                 | -7.15              | 16.91     | 0.049   | 100.000   | Pass    |
|                           |              |           | RB12#0                | 23.01                           | -5                 | -7.15              | 15.86     | 0.039   | 100.000   | Pass    |
|                           |              |           | RB12#6                | 23.08                           | -5                 | -7.15              | 15.93     | 0.039   | 100.000   | Pass    |
|                           |              |           | RB12#13               | 22.95                           | -5                 | -7.15              | 15.80     | 0.038   | 100.000   | Pass    |
|                           |              |           | RB25#0                | 22.99                           | -5                 | -7.15              | 15.84     | 0.038   | 100.000   | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 22.77                           | -5                 | -7.15              | 15.62     | 0.036   | 100.000   | Pass    |
|                           |              |           | RB1#13                | 22.92                           | -5                 | -7.15              | 15.77     | 0.038   | 100.000   | Pass    |
|                           |              |           | RB1#24                | 22.73                           | -5                 | -7.15              | 15.58     | 0.036   | 100.000   | Pass    |
|                           |              |           | RB12#0                | 22.02                           | -5                 | -7.15              | 14.87     | 0.031   | 100.000   | Pass    |
|                           |              |           | RB12#6                | 22.3                            | -5                 | -7.15              | 15.15     | 0.033   | 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> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 10 MHz                    | MCH          | 64-QAM    | RB12#13               | 22.16                           | -5                 | -7.15              | 15.01     | 0.032   | 100.000   | Pass    |
|                           |              |           | RB25#0                | 22.2                            | -5                 | -7.15              | 15.05     | 0.032   | 100.000   | Pass    |
|                           |              |           | RB1#0                 | 21.88                           | -5                 | -7.15              | 14.73     | 0.030   | 100.000   | Pass    |
|                           |              |           | RB1#13                | 22.42                           | -5                 | -7.15              | 15.27     | 0.034   | 100.000   | Pass    |
|                           |              |           | RB1#24                | 21.84                           | -5                 | -7.15              | 14.69     | 0.029   | 100.000   | Pass    |
|                           |              |           | RB12#0                | 21.07                           | -5                 | -7.15              | 13.92     | 0.025   | 100.000   | Pass    |
|                           |              |           | RB12#6                | 21.15                           | -5                 | -7.15              | 14.00     | 0.025   | 100.000   | Pass    |
|                           |              |           | RB12#13               | 20.85                           | -5                 | -7.15              | 13.70     | 0.023   | 100.000   | Pass    |
|                           |              |           | RB25#0                | 21.05                           | -5                 | -7.15              | 13.90     | 0.025   | 100.000   | Pass    |
|                           |              | QPSK      | RB1#0                 | 24.12                           | -5                 | -7.15              | 16.97     | 0.050   | 100.000   | Pass    |
|                           |              |           | RB1#25                | 24.42                           | -5                 | -7.15              | 17.27     | 0.053   | 100.000   | Pass    |
|                           |              |           | RB1#49                | 24.09                           | -5                 | -7.15              | 16.94     | 0.049   | 100.000   | Pass    |
|                           |              |           | RB25#0                | 23.1                            | -5                 | -7.15              | 15.95     | 0.039   | 100.000   | Pass    |
|                           |              |           | RB25#13               | 22.95                           | -5                 | -7.15              | 15.80     | 0.038   | 100.000   | Pass    |
|                           |              |           | RB25#25               | 23.04                           | -5                 | -7.15              | 15.89     | 0.039   | 100.000   | Pass    |
|                           |              |           | RB50#0                | 23.04                           | -5                 | -7.15              | 15.89     | 0.039   | 100.000   | Pass    |
|                           |              | 16-QAM    | RB1#0                 | 22.84                           | -5                 | -7.15              | 15.69     | 0.037   | 100.000   | Pass    |
|                           |              |           | RB1#25                | 22.9                            | -5                 | -7.15              | 15.75     | 0.038   | 100.000   | Pass    |
|                           |              |           | RB1#49                | 22.77                           | -5                 | -7.15              | 15.62     | 0.036   | 100.000   | Pass    |
|                           |              |           | RB25#0                | 22.19                           | -5                 | -7.15              | 15.04     | 0.032   | 100.000   | Pass    |
|                           |              |           | RB25#13               | 22.03                           | -5                 | -7.15              | 14.88     | 0.031   | 100.000   | Pass    |
|                           |              |           | RB25#25               | 22.12                           | -5                 | -7.15              | 14.97     | 0.031   | 100.000   | Pass    |
|                           |              |           | RB50#0                | 22.04                           | -5                 | -7.15              | 14.89     | 0.031   | 100.000   | Pass    |
|                           |              | 64-QAM    | RB1#0                 | 21.91                           | -5                 | -7.15              | 14.76     | 0.030   | 100.000   | Pass    |
|                           |              |           | RB1#25                | 22.79                           | -5                 | -7.15              | 15.64     | 0.037   | 100.000   | Pass    |
|                           |              |           | RB1#49                | 21.93                           | -5                 | -7.15              | 14.78     | 0.030   | 100.000   | Pass    |
|                           |              |           | RB25#0                | 21.2                            | -5                 | -7.15              | 14.05     | 0.025   | 100.000   | Pass    |
|                           |              |           | RB25#13               | 21.19                           | -5                 | -7.15              | 14.04     | 0.025   | 100.000   | Pass    |
|                           |              |           | RB25#25               | 21.01                           | -5                 | -7.15              | 13.86     | 0.024   | 100.000   | Pass    |
|                           |              |           | RB50#0                | 20.98                           | -5                 | -7.15              | 13.83     | 0.024   | 100.000   | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND38</b> |              |           |                       |                              |                    |            |          |           |         |
| 5 MHz             | LCH          | QPSK      | RB1#0                 | 24.01                        | 0.4                | 24.41      | 0.276    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 24.16                        | 0.4                | 24.56      | 0.286    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 24.17                        | 0.4                | 24.57      | 0.286    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 23.24                        | 0.4                | 23.64      | 0.231    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 23.25                        | 0.4                | 23.65      | 0.232    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 23.21                        | 0.4                | 23.61      | 0.230    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 23.17                        | 0.4                | 23.57      | 0.228    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.3                         | 0.4                | 22.70      | 0.186    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 22.4                         | 0.4                | 22.80      | 0.191    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 22.32                        | 0.4                | 22.72      | 0.187    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 22.03                        | 0.4                | 22.43      | 0.175    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 22.02                        | 0.4                | 22.42      | 0.175    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 22.08                        | 0.4                | 22.48      | 0.177    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 22.03                        | 0.4                | 22.43      | 0.175    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.59                        | 0.4                | 21.99      | 0.158    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 22.15                        | 0.4                | 22.55      | 0.180    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 21.61                        | 0.4                | 22.01      | 0.159    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 21.1                         | 0.4                | 21.50      | 0.141    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 21.17                        | 0.4                | 21.57      | 0.144    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 21.1                         | 0.4                | 21.50      | 0.141    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 21.16                        | 0.4                | 21.56      | 0.143    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 24.21                        | 0.4                | 24.61      | 0.289    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 24.2                         | 0.4                | 24.60      | 0.288    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 24.1                         | 0.4                | 24.50      | 0.282    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 23.4                         | 0.4                | 23.80      | 0.240    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 23.4                         | 0.4                | 23.80      | 0.240    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 23.17                        | 0.4                | 23.57      | 0.228    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 23.36                        | 0.4                | 23.76      | 0.238    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.43                        | 0.4                | 22.83      | 0.192    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 22.56                        | 0.4                | 22.96      | 0.198    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 22.26                        | 0.4                | 22.66      | 0.185    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 22.14                        | 0.4                | 22.54      | 0.179    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 22.15                        | 0.4                | 22.55      | 0.180    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 22.29                        | 0.4                | 22.69      | 0.186    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 22.24                        | 0.4                | 22.64      | 0.184    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.76                        | 0.4                | 22.16      | 0.164    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 22.25                        | 0.4                | 22.65      | 0.184    | 2.000     | Pass    |

| Test BW    | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------|--------------|-----------|-----------------------|------------------------------|--------------------|------------|----------|-----------|---------|
| LTE BAND38 |              |           |                       |                              |                    |            |          |           |         |
|            |              |           | RB1#24                | 21.6                         | 0.4                | 22.00      | 0.158    | 2.000     | Pass    |
|            |              |           | RB12#0                | 21.2                         | 0.4                | 21.60      | 0.145    | 2.000     | Pass    |
|            |              |           | RB12#6                | 21.32                        | 0.4                | 21.72      | 0.149    | 2.000     | Pass    |
|            |              |           | RB12#13               | 21.13                        | 0.4                | 21.53      | 0.142    | 2.000     | Pass    |
|            |              |           | RB25#0                | 21.34                        | 0.4                | 21.74      | 0.149    | 2.000     | Pass    |
|            | HCH          | QPSK      | RB1#0                 | 24.17                        | 0.4                | 24.57      | 0.286    | 2.000     | Pass    |
|            |              |           | RB1#13                | 24.34                        | 0.4                | 24.74      | 0.298    | 2.000     | Pass    |
|            |              |           | RB1#24                | 24.09                        | 0.4                | 24.49      | 0.281    | 2.000     | Pass    |
|            |              |           | RB12#0                | 23.32                        | 0.4                | 23.72      | 0.236    | 2.000     | Pass    |
|            |              |           | RB12#6                | 23.29                        | 0.4                | 23.69      | 0.234    | 2.000     | Pass    |
|            |              |           | RB12#13               | 23.21                        | 0.4                | 23.61      | 0.230    | 2.000     | Pass    |
|            |              |           | RB25#0                | 23.28                        | 0.4                | 23.68      | 0.233    | 2.000     | Pass    |
|            |              | 16-QAM    | RB1#0                 | 22.54                        | 0.4                | 22.94      | 0.197    | 2.000     | Pass    |
|            |              |           | RB1#13                | 22.43                        | 0.4                | 22.83      | 0.192    | 2.000     | Pass    |
|            |              |           | RB1#24                | 22.27                        | 0.4                | 22.67      | 0.185    | 2.000     | Pass    |
|            |              |           | RB12#0                | 22.11                        | 0.4                | 22.51      | 0.178    | 2.000     | Pass    |
|            |              |           | RB12#6                | 22.1                         | 0.4                | 22.50      | 0.178    | 2.000     | Pass    |
|            |              |           | RB12#13               | 22.29                        | 0.4                | 22.69      | 0.186    | 2.000     | Pass    |
|            |              |           | RB25#0                | 22.51                        | 0.4                | 22.91      | 0.195    | 2.000     | Pass    |
|            |              | 64-QAM    | RB1#0                 | 21.74                        | 0.4                | 22.14      | 0.164    | 2.000     | Pass    |
|            |              |           | RB1#13                | 22.28                        | 0.4                | 22.68      | 0.185    | 2.000     | Pass    |
|            |              |           | RB1#24                | 21.55                        | 0.4                | 21.95      | 0.157    | 2.000     | Pass    |
|            |              |           | RB12#0                | 21.2                         | 0.4                | 21.60      | 0.145    | 2.000     | Pass    |
|            |              |           | RB12#6                | 21.26                        | 0.4                | 21.66      | 0.147    | 2.000     | Pass    |
|            |              |           | RB12#13               | 21.11                        | 0.4                | 21.51      | 0.142    | 2.000     | Pass    |
|            |              |           | RB25#0                | 21.25                        | 0.4                | 21.65      | 0.146    | 2.000     | Pass    |
| 10 MHz     | LCH          | QPSK      | RB1#0                 | 24.13                        | 0.4                | 24.53      | 0.284    | 2.000     | Pass    |
|            |              |           | RB1#25                | 24.32                        | 0.4                | 24.72      | 0.296    | 2.000     | Pass    |
|            |              |           | RB1#49                | 24.26                        | 0.4                | 24.66      | 0.292    | 2.000     | Pass    |
|            |              |           | RB25#0                | 23.25                        | 0.4                | 23.65      | 0.232    | 2.000     | Pass    |
|            |              |           | RB25#13               | 23.23                        | 0.4                | 23.63      | 0.231    | 2.000     | Pass    |
|            |              |           | RB25#25               | 23.34                        | 0.4                | 23.74      | 0.237    | 2.000     | Pass    |
|            |              |           | RB50#0                | 23.27                        | 0.4                | 23.67      | 0.233    | 2.000     | Pass    |
|            |              | 16-QAM    | RB1#0                 | 22.44                        | 0.4                | 22.84      | 0.192    | 2.000     | Pass    |
|            |              |           | RB1#25                | 22.6                         | 0.4                | 23.00      | 0.200    | 2.000     | Pass    |
|            |              |           | RB1#49                | 22.44                        | 0.4                | 22.84      | 0.192    | 2.000     | Pass    |
|            |              |           | RB25#0                | 22.09                        | 0.4                | 22.49      | 0.177    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND38</b> |              |           |                       |                              |                    |            |          |           |         |
|                   |              |           | RB25#13               | 22.22                        | 0.4                | 22.62      | 0.183    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 22.23                        | 0.4                | 22.63      | 0.183    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 22.38                        | 0.4                | 22.78      | 0.190    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.71                        | 0.4                | 22.11      | 0.163    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 22.19                        | 0.4                | 22.59      | 0.182    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 21.78                        | 0.4                | 22.18      | 0.165    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 21.25                        | 0.4                | 21.65      | 0.146    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 21.28                        | 0.4                | 21.68      | 0.147    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 21.3                         | 0.4                | 21.70      | 0.148    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 21.27                        | 0.4                | 21.67      | 0.147    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 24.34                        | 0.4                | 24.74      | 0.298    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 24.65                        | 0.4                | 25.05      | 0.320    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 24.06                        | 0.4                | 24.46      | 0.279    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 23.36                        | 0.4                | 23.76      | 0.238    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 23.38                        | 0.4                | 23.78      | 0.239    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 23.19                        | 0.4                | 23.59      | 0.229    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 23.24                        | 0.4                | 23.64      | 0.231    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.64                        | 0.4                | 23.04      | 0.201    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 22.57                        | 0.4                | 22.97      | 0.198    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 22.34                        | 0.4                | 22.74      | 0.188    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 22.36                        | 0.4                | 22.76      | 0.189    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 22.28                        | 0.4                | 22.68      | 0.185    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 22.09                        | 0.4                | 22.49      | 0.177    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 22.27                        | 0.4                | 22.67      | 0.185    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.91                        | 0.4                | 22.31      | 0.170    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 22.24                        | 0.4                | 22.64      | 0.184    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 21.65                        | 0.4                | 22.05      | 0.160    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 21.45                        | 0.4                | 21.85      | 0.153    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 21.36                        | 0.4                | 21.76      | 0.150    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 21.26                        | 0.4                | 21.66      | 0.147    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 21.27                        | 0.4                | 21.67      | 0.147    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 24.27                        | 0.4                | 24.67      | 0.293    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 24.2                         | 0.4                | 24.60      | 0.288    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 24.19                        | 0.4                | 24.59      | 0.288    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 23.35                        | 0.4                | 23.75      | 0.237    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 23.38                        | 0.4                | 23.78      | 0.239    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 23.29                        | 0.4                | 23.69      | 0.234    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND38</b> |              |           |                       |                              |                    |            |          |           |         |
|                   |              | 16-QAM    | RB50#0                | 23.2                         | 0.4                | 23.60      | 0.229    | 2.000     | Pass    |
|                   |              |           | RB1#0                 | 22.55                        | 0.4                | 22.95      | 0.197    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 22.55                        | 0.4                | 22.95      | 0.197    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 22.33                        | 0.4                | 22.73      | 0.187    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 22.15                        | 0.4                | 22.55      | 0.180    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 22.23                        | 0.4                | 22.63      | 0.183    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 22.16                        | 0.4                | 22.56      | 0.180    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 22.28                        | 0.4                | 22.68      | 0.185    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.81                        | 0.4                | 22.21      | 0.166    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 22.17                        | 0.4                | 22.57      | 0.181    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 21.69                        | 0.4                | 22.09      | 0.162    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 21.25                        | 0.4                | 21.65      | 0.146    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 21.31                        | 0.4                | 21.71      | 0.148    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 21.24                        | 0.4                | 21.64      | 0.146    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 21.22                        | 0.4                | 21.62      | 0.145    | 2.000     | Pass    |
| 15 MHz            | LCH          | QPSK      | RB1#0                 | 24.08                        | 0.4                | 24.48      | 0.281    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 24.3                         | 0.4                | 24.70      | 0.295    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 24.22                        | 0.4                | 24.62      | 0.290    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 23.24                        | 0.4                | 23.64      | 0.231    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 23.29                        | 0.4                | 23.69      | 0.234    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 23.25                        | 0.4                | 23.65      | 0.232    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 23.2                         | 0.4                | 23.60      | 0.229    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.38                        | 0.4                | 22.78      | 0.190    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 22.57                        | 0.4                | 22.97      | 0.198    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 22.36                        | 0.4                | 22.76      | 0.189    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 22.27                        | 0.4                | 22.67      | 0.185    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 22.23                        | 0.4                | 22.63      | 0.183    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 22.3                         | 0.4                | 22.70      | 0.186    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 22.2                         | 0.4                | 22.60      | 0.182    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.64                        | 0.4                | 22.04      | 0.160    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 22.21                        | 0.4                | 22.61      | 0.182    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 21.7                         | 0.4                | 22.10      | 0.162    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 21.31                        | 0.4                | 21.71      | 0.148    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 21.3                         | 0.4                | 21.70      | 0.148    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 21.26                        | 0.4                | 21.66      | 0.147    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 21.13                        | 0.4                | 21.53      | 0.142    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 24.39                        | 0.4                | 24.79      | 0.301    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND38</b> |              |           |                       |                              |                    |            |          |           |         |
|                   |              |           | RB1#38                | 24.38                        | 0.4                | 24.78      | 0.301    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 24.25                        | 0.4                | 24.65      | 0.292    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 23.46                        | 0.4                | 23.86      | 0.243    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 23.21                        | 0.4                | 23.61      | 0.230    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 23.18                        | 0.4                | 23.58      | 0.228    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 23.21                        | 0.4                | 23.61      | 0.230    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.72                        | 0.4                | 23.12      | 0.205    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 22.68                        | 0.4                | 23.08      | 0.203    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 22.34                        | 0.4                | 22.74      | 0.188    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 22.22                        | 0.4                | 22.62      | 0.183    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 22.27                        | 0.4                | 22.67      | 0.185    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 22.2                         | 0.4                | 22.60      | 0.182    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 22.22                        | 0.4                | 22.62      | 0.183    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.89                        | 0.4                | 22.29      | 0.169    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 22.31                        | 0.4                | 22.71      | 0.187    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 21.71                        | 0.4                | 22.11      | 0.163    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 21.36                        | 0.4                | 21.76      | 0.150    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 21.18                        | 0.4                | 21.58      | 0.144    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 21.14                        | 0.4                | 21.54      | 0.143    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 21.15                        | 0.4                | 21.55      | 0.143    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 24.34                        | 0.4                | 24.74      | 0.298    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 24.43                        | 0.4                | 24.83      | 0.304    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 24.19                        | 0.4                | 24.59      | 0.288    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 23.33                        | 0.4                | 23.73      | 0.236    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 23.25                        | 0.4                | 23.65      | 0.232    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 23.3                         | 0.4                | 23.70      | 0.234    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 23.21                        | 0.4                | 23.61      | 0.230    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.73                        | 0.4                | 23.13      | 0.206    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 22.51                        | 0.4                | 22.91      | 0.195    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 22.31                        | 0.4                | 22.71      | 0.187    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 22.2                         | 0.4                | 22.60      | 0.182    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 22.22                        | 0.4                | 22.62      | 0.183    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 22.2                         | 0.4                | 22.60      | 0.182    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 22.25                        | 0.4                | 22.65      | 0.184    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.9                         | 0.4                | 22.30      | 0.170    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 22.33                        | 0.4                | 22.73      | 0.187    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 21.67                        | 0.4                | 22.07      | 0.161    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND38</b> |              |           |                       |                              |                    |            |          |           |         |
| 20 MHz            | LCH          | QPSK      | RB36#0                | 21.25                        | 0.4                | 21.65      | 0.146    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 21.17                        | 0.4                | 21.57      | 0.144    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 21.25                        | 0.4                | 21.65      | 0.146    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 21.17                        | 0.4                | 21.57      | 0.144    | 2.000     | Pass    |
|                   |              | QPSK      | RB1#0                 | 24.09                        | 0.4                | 24.49      | 0.281    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 24.36                        | 0.4                | 24.76      | 0.299    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 24.17                        | 0.4                | 24.57      | 0.286    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 23.26                        | 0.4                | 23.66      | 0.232    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 23.29                        | 0.4                | 23.69      | 0.234    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 23.29                        | 0.4                | 23.69      | 0.234    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 23.23                        | 0.4                | 23.63      | 0.231    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.31                        | 0.4                | 22.71      | 0.187    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 22.49                        | 0.4                | 22.89      | 0.195    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 22.4                         | 0.4                | 22.80      | 0.191    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 22.26                        | 0.4                | 22.66      | 0.185    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 22.3                         | 0.4                | 22.70      | 0.186    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 22.21                        | 0.4                | 22.61      | 0.182    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 22.23                        | 0.4                | 22.63      | 0.183    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 20.98                        | 0.4                | 21.38      | 0.137    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 22.08                        | 0.4                | 22.48      | 0.177    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 21.63                        | 0.4                | 22.03      | 0.160    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 21.16                        | 0.4                | 21.56      | 0.143    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 21.31                        | 0.4                | 21.71      | 0.148    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 21.31                        | 0.4                | 21.71      | 0.148    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 21.34                        | 0.4                | 21.74      | 0.149    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 24.34                        | 0.4                | 24.74      | 0.298    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 24.53                        | 0.4                | 24.93      | 0.311    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 24.11                        | 0.4                | 24.51      | 0.282    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 23.37                        | 0.4                | 23.77      | 0.238    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 23.29                        | 0.4                | 23.69      | 0.234    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 23.13                        | 0.4                | 23.53      | 0.225    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 23.23                        | 0.4                | 23.63      | 0.231    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.55                        | 0.4                | 22.95      | 0.197    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 22.51                        | 0.4                | 22.91      | 0.195    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 22.3                         | 0.4                | 22.70      | 0.186    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 22.42                        | 0.4                | 22.82      | 0.191    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 22.24                        | 0.4                | 22.64      | 0.184    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND38</b> |              |           |                       |                              |                    |            |          |           |         |
|                   |              | 64-QAM    | RB50#50               | 22.25                        | 0.4                | 22.65      | 0.184    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 22.23                        | 0.4                | 22.63      | 0.183    | 2.000     | Pass    |
|                   |              |           | RB1#0                 | 21.76                        | 0.4                | 22.16      | 0.164    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 22.18                        | 0.4                | 22.58      | 0.181    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 21.59                        | 0.4                | 21.99      | 0.158    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 21.42                        | 0.4                | 21.82      | 0.152    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 21.22                        | 0.4                | 21.62      | 0.145    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 21.16                        | 0.4                | 21.56      | 0.143    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 21.35                        | 0.4                | 21.75      | 0.150    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 24.35                        | 0.4                | 24.75      | 0.299    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 24.37                        | 0.4                | 24.77      | 0.300    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 24.08                        | 0.4                | 24.48      | 0.281    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 23.47                        | 0.4                | 23.87      | 0.244    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 23.32                        | 0.4                | 23.72      | 0.236    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 23.21                        | 0.4                | 23.61      | 0.230    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 23.37                        | 0.4                | 23.77      | 0.238    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.58                        | 0.4                | 22.98      | 0.199    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 22.62                        | 0.4                | 23.02      | 0.200    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 22.29                        | 0.4                | 22.69      | 0.186    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 22.49                        | 0.4                | 22.89      | 0.195    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 22.34                        | 0.4                | 22.74      | 0.188    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 22.21                        | 0.4                | 22.61      | 0.182    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 22.36                        | 0.4                | 22.76      | 0.189    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.84                        | 0.4                | 22.24      | 0.167    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 22.21                        | 0.4                | 22.61      | 0.182    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 21.59                        | 0.4                | 21.99      | 0.158    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 21.38                        | 0.4                | 21.78      | 0.151    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 21.25                        | 0.4                | 21.65      | 0.146    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 21.19                        | 0.4                | 21.59      | 0.144    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 21.44                        | 0.4                | 21.84      | 0.153    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND41</b> |              |           |                       |                              |                    |            |          |           |         |
| 5 MHz             | LCH          | QPSK      | RB1#0                 | 24.05                        | 0                  | 24.05      | 0.254    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 24.24                        | 0                  | 24.24      | 0.265    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 24.03                        | 0                  | 24.03      | 0.253    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 24.1                         | 0                  | 24.10      | 0.257    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 24.13                        | 0                  | 24.13      | 0.259    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 24.05                        | 0                  | 24.05      | 0.254    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 24.11                        | 0                  | 24.11      | 0.258    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.39                        | 0                  | 23.39      | 0.218    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 23.46                        | 0                  | 23.46      | 0.222    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 23.23                        | 0                  | 23.23      | 0.210    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 23.62                        | 0                  | 23.62      | 0.230    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 23.75                        | 0                  | 23.75      | 0.237    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 23.65                        | 0                  | 23.65      | 0.232    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 23.91                        | 0                  | 23.91      | 0.246    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 23.59                        | 0                  | 23.59      | 0.229    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 23.63                        | 0                  | 23.63      | 0.231    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 22.87                        | 0                  | 22.87      | 0.194    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 22.61                        | 0                  | 22.61      | 0.182    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 22.67                        | 0                  | 22.67      | 0.185    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 22.58                        | 0                  | 22.58      | 0.181    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 22.84                        | 0                  | 22.84      | 0.192    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.89                        | 0                  | 23.89      | 0.245    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 24.05                        | 0                  | 24.05      | 0.254    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 24.05                        | 0                  | 24.05      | 0.254    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 24.06                        | 0                  | 24.06      | 0.255    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 24.1                         | 0                  | 24.10      | 0.257    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 24.03                        | 0                  | 24.03      | 0.253    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 24.08                        | 0                  | 24.08      | 0.256    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.25                        | 0                  | 23.25      | 0.211    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 23.36                        | 0                  | 23.36      | 0.217    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 23.12                        | 0                  | 23.12      | 0.205    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 23.6                         | 0                  | 23.60      | 0.229    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 23.63                        | 0                  | 23.63      | 0.231    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 23.55                        | 0                  | 23.55      | 0.226    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 23.73                        | 0                  | 23.73      | 0.236    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 23.61                        | 0                  | 23.61      | 0.230    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 23.99                        | 0                  | 23.99      | 0.251    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND41</b> |              |           |                       |                              |                    |            |          |           |         |
|                   |              |           | RB1#24                | 22.8                         | 0                  | 22.80      | 0.191    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 22.49                        | 0                  | 22.49      | 0.177    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 22.54                        | 0                  | 22.54      | 0.179    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 22.48                        | 0                  | 22.48      | 0.177    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 22.58                        | 0                  | 22.58      | 0.181    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 23.96                        | 0                  | 23.96      | 0.249    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 24.21                        | 0                  | 24.21      | 0.264    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 23.64                        | 0                  | 23.64      | 0.231    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 23.9                         | 0                  | 23.90      | 0.245    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 23.9                         | 0                  | 23.90      | 0.245    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 23.81                        | 0                  | 23.81      | 0.240    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 23.9                         | 0                  | 23.90      | 0.245    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.18                        | 0                  | 23.18      | 0.208    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 23.24                        | 0                  | 23.24      | 0.211    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 23                           | 0                  | 23.00      | 0.200    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 23.51                        | 0                  | 23.51      | 0.224    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 23.44                        | 0                  | 23.44      | 0.221    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 23.44                        | 0                  | 23.44      | 0.221    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 23.68                        | 0                  | 23.68      | 0.233    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 23.02                        | 0                  | 23.02      | 0.200    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 23.51                        | 0                  | 23.51      | 0.224    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 23.56                        | 0                  | 23.56      | 0.227    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 22.53                        | 0                  | 22.53      | 0.179    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 22.52                        | 0                  | 22.52      | 0.179    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 22.38                        | 0                  | 22.38      | 0.173    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 22.68                        | 0                  | 22.68      | 0.185    | 2.000     | Pass    |
| 10 MHz            | LCH          | QPSK      | RB1#0                 | 24.09                        | 0                  | 24.09      | 0.256    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 23.94                        | 0                  | 23.94      | 0.248    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 23.96                        | 0                  | 23.96      | 0.249    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 24.19                        | 0                  | 24.19      | 0.262    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 24.13                        | 0                  | 24.13      | 0.259    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 24.05                        | 0                  | 24.05      | 0.254    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 24.05                        | 0                  | 24.05      | 0.254    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.49                        | 0                  | 23.49      | 0.223    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 23.39                        | 0                  | 23.39      | 0.218    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 23.17                        | 0                  | 23.17      | 0.207    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 23.85                        | 0                  | 23.85      | 0.243    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND41</b> |              |           |                       |                              |                    |            |          |           |         |
|                   |              |           | RB25#13               | 23.54                        | 0                  | 23.54      | 0.226    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 23.45                        | 0                  | 23.45      | 0.221    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 23.6                         | 0                  | 23.60      | 0.229    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 23.13                        | 0                  | 23.13      | 0.206    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 23.17                        | 0                  | 23.17      | 0.207    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 22.91                        | 0                  | 22.91      | 0.195    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 22.88                        | 0                  | 22.88      | 0.194    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 22.86                        | 0                  | 22.86      | 0.193    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 22.84                        | 0                  | 22.84      | 0.192    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 22.54                        | 0                  | 22.54      | 0.179    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 24.02                        | 0                  | 24.02      | 0.252    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 24.21                        | 0                  | 24.21      | 0.264    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 23.84                        | 0                  | 23.84      | 0.242    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 24.18                        | 0                  | 24.18      | 0.262    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 24.08                        | 0                  | 24.08      | 0.256    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 23.98                        | 0                  | 23.98      | 0.250    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 24.05                        | 0                  | 24.05      | 0.254    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.32                        | 0                  | 23.32      | 0.215    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 23.31                        | 0                  | 23.31      | 0.214    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 23.09                        | 0                  | 23.09      | 0.204    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 23.8                         | 0                  | 23.80      | 0.240    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 23.83                        | 0                  | 23.83      | 0.242    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 23.71                        | 0                  | 23.71      | 0.235    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 23.5                         | 0                  | 23.50      | 0.224    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 23.09                        | 0                  | 23.09      | 0.204    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 23.29                        | 0                  | 23.29      | 0.213    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 22.96                        | 0                  | 22.96      | 0.198    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 22.83                        | 0                  | 22.83      | 0.192    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 22.85                        | 0                  | 22.85      | 0.193    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 22.59                        | 0                  | 22.59      | 0.182    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 22.6                         | 0                  | 22.60      | 0.182    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 23.89                        | 0                  | 23.89      | 0.245    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 24.07                        | 0                  | 24.07      | 0.255    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 23.89                        | 0                  | 23.89      | 0.245    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 24.07                        | 0                  | 24.07      | 0.255    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 23.85                        | 0                  | 23.85      | 0.243    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 23.79                        | 0                  | 23.79      | 0.239    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND41</b> |              |           |                       |                              |                    |            |          |           |         |
|                   |              | 16-QAM    | RB50#0                | 23.88                        | 0                  | 23.88      | 0.244    | 2.000     | Pass    |
|                   |              |           | RB1#0                 | 23.25                        | 0                  | 23.25      | 0.211    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 23.15                        | 0                  | 23.15      | 0.207    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 22.97                        | 0                  | 22.97      | 0.198    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 23.7                         | 0                  | 23.70      | 0.234    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 23.72                        | 0                  | 23.72      | 0.236    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 23.59                        | 0                  | 23.59      | 0.229    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 23.52                        | 0                  | 23.52      | 0.225    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 23.03                        | 0                  | 23.03      | 0.201    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 23.16                        | 0                  | 23.16      | 0.207    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 22.68                        | 0                  | 22.68      | 0.185    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 22.51                        | 0                  | 22.51      | 0.178    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 22.73                        | 0                  | 22.73      | 0.187    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 22.66                        | 0                  | 22.66      | 0.185    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 22.43                        | 0                  | 22.43      | 0.175    | 2.000     | Pass    |
| 15 MHz            | LCH          | QPSK      | RB1#0                 | 24.08                        | 0                  | 24.08      | 0.256    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 24.41                        | 0                  | 24.41      | 0.276    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 24.08                        | 0                  | 24.08      | 0.256    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 24.14                        | 0                  | 24.14      | 0.259    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 24.12                        | 0                  | 24.12      | 0.258    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 24.04                        | 0                  | 24.04      | 0.254    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 24.11                        | 0                  | 24.11      | 0.258    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.56                        | 0                  | 23.56      | 0.227    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 23.55                        | 0                  | 23.55      | 0.226    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 23.35                        | 0                  | 23.35      | 0.216    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 23.66                        | 0                  | 23.66      | 0.232    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 23.76                        | 0                  | 23.76      | 0.238    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 23.72                        | 0                  | 23.72      | 0.236    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 23.84                        | 0                  | 23.84      | 0.242    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 23.4                         | 0                  | 23.40      | 0.219    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 23.58                        | 0                  | 23.58      | 0.228    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 22.98                        | 0                  | 22.98      | 0.199    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 22.74                        | 0                  | 22.74      | 0.188    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 22.66                        | 0                  | 22.66      | 0.185    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 22.67                        | 0                  | 22.67      | 0.185    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 22.62                        | 0                  | 22.62      | 0.183    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 24.07                        | 0                  | 24.07      | 0.255    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND41</b> |              |           |                       |                              |                    |            |          |           |         |
|                   |              |           | RB1#38                | 23.99                        | 0                  | 23.99      | 0.251    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 23.95                        | 0                  | 23.95      | 0.248    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 24.12                        | 0                  | 24.12      | 0.258    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 24.07                        | 0                  | 24.07      | 0.255    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 24.05                        | 0                  | 24.05      | 0.254    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 24.04                        | 0                  | 24.04      | 0.254    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.36                        | 0                  | 23.36      | 0.217    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 23.37                        | 0                  | 23.37      | 0.217    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 23.06                        | 0                  | 23.06      | 0.202    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 23.59                        | 0                  | 23.59      | 0.229    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 23.65                        | 0                  | 23.65      | 0.232    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 23.55                        | 0                  | 23.55      | 0.226    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 23.56                        | 0                  | 23.56      | 0.227    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 23.1                         | 0                  | 23.10      | 0.204    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 23.52                        | 0                  | 23.52      | 0.225    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 22.91                        | 0                  | 22.91      | 0.195    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 22.72                        | 0                  | 22.72      | 0.187    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 22.73                        | 0                  | 22.73      | 0.187    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 22.58                        | 0                  | 22.58      | 0.181    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 22.49                        | 0                  | 22.49      | 0.177    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 24.06                        | 0                  | 24.06      | 0.255    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 24.19                        | 0                  | 24.19      | 0.262    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 23.87                        | 0                  | 23.87      | 0.244    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 24.14                        | 0                  | 24.14      | 0.259    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 24.01                        | 0                  | 24.01      | 0.252    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 23.92                        | 0                  | 23.92      | 0.247    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 24.05                        | 0                  | 24.05      | 0.254    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.39                        | 0                  | 23.39      | 0.218    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 23.26                        | 0                  | 23.26      | 0.212    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 23.1                         | 0                  | 23.10      | 0.204    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 23.69                        | 0                  | 23.69      | 0.234    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 23.48                        | 0                  | 23.48      | 0.223    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 23.36                        | 0                  | 23.36      | 0.217    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 23.58                        | 0                  | 23.58      | 0.228    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 23.1                         | 0                  | 23.10      | 0.204    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 23.53                        | 0                  | 23.53      | 0.225    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 22.85                        | 0                  | 22.85      | 0.193    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND41</b> |              |           |                       |                              |                    |            |          |           |         |
| 20 MHz            | LCH          | QPSK      | RB36#0                | 22.71                        | 0                  | 22.71      | 0.187    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 22.9                         | 0                  | 22.90      | 0.195    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 22.81                        | 0                  | 22.81      | 0.191    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 22.78                        | 0                  | 22.78      | 0.190    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 24.1                         | 0                  | 24.10      | 0.257    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 24.23                        | 0                  | 24.23      | 0.265    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 24.02                        | 0                  | 24.02      | 0.252    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 24.13                        | 0                  | 24.13      | 0.259    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 24.09                        | 0                  | 24.09      | 0.256    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 24.15                        | 0                  | 24.15      | 0.260    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 24.12                        | 0                  | 24.12      | 0.258    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 23.17                        | 0                  | 23.17      | 0.207    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 23.45                        | 0                  | 23.45      | 0.221    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 23.21                        | 0                  | 23.21      | 0.209    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 23.67                        | 0                  | 23.67      | 0.233    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 23.69                        | 0                  | 23.69      | 0.234    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 23.73                        | 0                  | 23.73      | 0.236    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 23.59                        | 0                  | 23.59      | 0.229    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.93                        | 0                  | 22.93      | 0.196    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 23.41                        | 0                  | 23.41      | 0.219    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 22.89                        | 0                  | 22.89      | 0.195    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 22.61                        | 0                  | 22.61      | 0.182    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 22.61                        | 0                  | 22.61      | 0.182    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 22.74                        | 0                  | 22.74      | 0.188    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 22.77                        | 0                  | 22.77      | 0.189    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.98                        | 0                  | 23.98      | 0.250    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 24.24                        | 0                  | 24.24      | 0.265    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 23.89                        | 0                  | 23.89      | 0.245    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 24.18                        | 0                  | 24.18      | 0.262    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 24.11                        | 0                  | 24.11      | 0.258    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 24.03                        | 0                  | 24.03      | 0.253    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 24.04                        | 0                  | 24.04      | 0.254    | 2.000     | Pass    |
|                   |              | QPSK      | RB1#0                 | 23.15                        | 0                  | 23.15      | 0.207    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 23.31                        | 0                  | 23.31      | 0.214    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 23.09                        | 0                  | 23.09      | 0.204    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 23.67                        | 0                  | 23.67      | 0.233    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 23.66                        | 0                  | 23.66      | 0.232    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND41</b> |              |           |                       |                              |                    |            |          |           |         |
|                   |              | 64-QAM    | RB50#50               | 23.58                        | 0                  | 23.58      | 0.228    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 23.56                        | 0                  | 23.56      | 0.227    | 2.000     | Pass    |
|                   |              |           | RB1#0                 | 22.96                        | 0                  | 22.96      | 0.198    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 23.34                        | 0                  | 23.34      | 0.216    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 22.83                        | 0                  | 22.83      | 0.192    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 22.62                        | 0                  | 22.62      | 0.183    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 22.65                        | 0                  | 22.65      | 0.184    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 22.49                        | 0                  | 22.49      | 0.177    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 22.68                        | 0                  | 22.68      | 0.185    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 24.19                        | 0                  | 24.19      | 0.262    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 24.33                        | 0                  | 24.33      | 0.271    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 23.9                         | 0                  | 23.90      | 0.245    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 24.21                        | 0                  | 24.21      | 0.264    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 23.97                        | 0                  | 23.97      | 0.249    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 23.88                        | 0                  | 23.88      | 0.244    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 23.95                        | 0                  | 23.95      | 0.248    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.21                        | 0                  | 23.21      | 0.209    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 23.31                        | 0                  | 23.31      | 0.214    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 22.93                        | 0                  | 22.93      | 0.196    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 23.54                        | 0                  | 23.54      | 0.226    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 23.47                        | 0                  | 23.47      | 0.222    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 23.36                        | 0                  | 23.36      | 0.217    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 23.59                        | 0                  | 23.59      | 0.229    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 22.95                        | 0                  | 22.95      | 0.197    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 23.37                        | 0                  | 23.37      | 0.217    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 22.67                        | 0                  | 22.67      | 0.185    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 22.6                         | 0                  | 22.60      | 0.182    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 22.54                        | 0                  | 22.54      | 0.179    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 22.47                        | 0                  | 22.47      | 0.177    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 22.68                        | 0                  | 22.68      | 0.185    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND66</b> |              |           |                       |                              |                    |            |          |           |         |
| 1.4 MHz           | LCH          | QPSK      | RB1#0                 | 24.37                        | -2.9               | 21.47      | 0.140    | 1.000     | Pass    |
|                   |              |           | RB1#3                 | 24.38                        | -2.9               | 21.48      | 0.141    | 1.000     | Pass    |
|                   |              |           | RB1#5                 | 24.37                        | -2.9               | 21.47      | 0.140    | 1.000     | Pass    |
|                   |              |           | RB3#0                 | 24.37                        | -2.9               | 21.47      | 0.140    | 1.000     | Pass    |
|                   |              |           | RB3#2                 | 24.4                         | -2.9               | 21.50      | 0.141    | 1.000     | Pass    |
|                   |              |           | RB3#3                 | 24.32                        | -2.9               | 21.42      | 0.139    | 1.000     | Pass    |
|                   |              |           | RB6#0                 | 23.36                        | -2.9               | 20.46      | 0.111    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.34                        | -2.9               | 20.44      | 0.111    | 1.000     | Pass    |
|                   |              |           | RB1#3                 | 23.31                        | -2.9               | 20.41      | 0.110    | 1.000     | Pass    |
|                   |              |           | RB1#5                 | 23.29                        | -2.9               | 20.39      | 0.109    | 1.000     | Pass    |
|                   |              |           | RB3#0                 | 23.25                        | -2.9               | 20.35      | 0.108    | 1.000     | Pass    |
|                   |              |           | RB3#2                 | 23.21                        | -2.9               | 20.31      | 0.107    | 1.000     | Pass    |
|                   |              |           | RB3#3                 | 23.23                        | -2.9               | 20.33      | 0.108    | 1.000     | Pass    |
|                   |              |           | RB6#0                 | 22.13                        | -2.9               | 19.23      | 0.084    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 22.31                        | -2.9               | 19.41      | 0.087    | 1.000     | Pass    |
|                   |              |           | RB1#3                 | 22.58                        | -2.9               | 19.68      | 0.093    | 1.000     | Pass    |
|                   |              |           | RB1#5                 | 22.48                        | -2.9               | 19.58      | 0.091    | 1.000     | Pass    |
|                   |              |           | RB3#0                 | 22.5                         | -2.9               | 19.60      | 0.091    | 1.000     | Pass    |
|                   |              |           | RB3#2                 | 22.45                        | -2.9               | 19.55      | 0.090    | 1.000     | Pass    |
|                   |              |           | RB3#3                 | 22.4                         | -2.9               | 19.50      | 0.089    | 1.000     | Pass    |
|                   |              |           | RB6#0                 | 21.29                        | -2.9               | 18.39      | 0.069    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 24.29                        | -2.9               | 21.39      | 0.138    | 1.000     | Pass    |
|                   |              |           | RB1#3                 | 24.47                        | -2.9               | 21.57      | 0.144    | 1.000     | Pass    |
|                   |              |           | RB1#5                 | 24.39                        | -2.9               | 21.49      | 0.141    | 1.000     | Pass    |
|                   |              |           | RB3#0                 | 24.39                        | -2.9               | 21.49      | 0.141    | 1.000     | Pass    |
|                   |              |           | RB3#2                 | 24.42                        | -2.9               | 21.52      | 0.142    | 1.000     | Pass    |
|                   |              |           | RB3#3                 | 24.36                        | -2.9               | 21.46      | 0.140    | 1.000     | Pass    |
|                   |              |           | RB6#0                 | 23.21                        | -2.9               | 20.31      | 0.107    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.22                        | -2.9               | 20.32      | 0.108    | 1.000     | Pass    |
|                   |              |           | RB1#3                 | 23.1                         | -2.9               | 20.20      | 0.105    | 1.000     | Pass    |
|                   |              |           | RB1#5                 | 23.09                        | -2.9               | 20.19      | 0.104    | 1.000     | Pass    |
|                   |              |           | RB3#0                 | 23.18                        | -2.9               | 20.28      | 0.107    | 1.000     | Pass    |
|                   |              |           | RB3#2                 | 23.26                        | -2.9               | 20.36      | 0.109    | 1.000     | Pass    |
|                   |              |           | RB3#3                 | 23.21                        | -2.9               | 20.31      | 0.107    | 1.000     | Pass    |
|                   |              |           | RB6#0                 | 22.45                        | -2.9               | 19.55      | 0.090    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 22.25                        | -2.9               | 19.35      | 0.086    | 1.000     | Pass    |
|                   |              |           | RB1#3                 | 22.52                        | -2.9               | 19.62      | 0.092    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND66</b> |              |           |                       |                              |                    |            |          |           |         |
|                   | HCH          |           | RB1#5                 | 22.44                        | -2.9               | 19.54      | 0.090    | 1.000     | Pass    |
|                   |              |           | RB3#0                 | 22.4                         | -2.9               | 19.50      | 0.089    | 1.000     | Pass    |
|                   |              |           | RB3#2                 | 22.36                        | -2.9               | 19.46      | 0.088    | 1.000     | Pass    |
|                   |              |           | RB3#3                 | 22.26                        | -2.9               | 19.36      | 0.086    | 1.000     | Pass    |
|                   |              |           | RB6#0                 | 21.14                        | -2.9               | 18.24      | 0.067    | 1.000     | Pass    |
|                   |              | QPSK      | RB1#0                 | 24.42                        | -2.9               | 21.52      | 0.142    | 1.000     | Pass    |
|                   |              |           | RB1#3                 | 24.79                        | -2.9               | 21.89      | 0.155    | 1.000     | Pass    |
|                   |              |           | RB1#5                 | 24.54                        | -2.9               | 21.64      | 0.146    | 1.000     | Pass    |
|                   |              |           | RB3#0                 | 24.29                        | -2.9               | 21.39      | 0.138    | 1.000     | Pass    |
|                   |              |           | RB3#2                 | 24.64                        | -2.9               | 21.74      | 0.149    | 1.000     | Pass    |
|                   |              |           | RB3#3                 | 24.58                        | -2.9               | 21.68      | 0.147    | 1.000     | Pass    |
|                   |              |           | RB6#0                 | 23.36                        | -2.9               | 20.46      | 0.111    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.35                        | -2.9               | 20.45      | 0.111    | 1.000     | Pass    |
|                   |              |           | RB1#3                 | 23.27                        | -2.9               | 20.37      | 0.109    | 1.000     | Pass    |
|                   |              |           | RB1#5                 | 23.16                        | -2.9               | 20.26      | 0.106    | 1.000     | Pass    |
|                   |              |           | RB3#0                 | 23.49                        | -2.9               | 20.59      | 0.115    | 1.000     | Pass    |
|                   |              |           | RB3#2                 | 23.5                         | -2.9               | 20.60      | 0.115    | 1.000     | Pass    |
|                   |              |           | RB3#3                 | 23.36                        | -2.9               | 20.46      | 0.111    | 1.000     | Pass    |
|                   |              |           | RB6#0                 | 22.32                        | -2.9               | 19.42      | 0.087    | 1.000     | Pass    |
|                   | LCH          | 64-QAM    | RB1#0                 | 22.59                        | -2.9               | 19.69      | 0.093    | 1.000     | Pass    |
|                   |              |           | RB1#3                 | 22.69                        | -2.9               | 19.79      | 0.095    | 1.000     | Pass    |
|                   |              |           | RB1#5                 | 22.61                        | -2.9               | 19.71      | 0.094    | 1.000     | Pass    |
|                   |              |           | RB3#0                 | 22.57                        | -2.9               | 19.67      | 0.093    | 1.000     | Pass    |
|                   |              |           | RB3#2                 | 22.52                        | -2.9               | 19.62      | 0.092    | 1.000     | Pass    |
|                   |              |           | RB3#3                 | 22.44                        | -2.9               | 19.54      | 0.090    | 1.000     | Pass    |
|                   |              |           | RB6#0                 | 21.28                        | -2.9               | 18.38      | 0.069    | 1.000     | Pass    |
|                   |              | QPSK      | RB1#0                 | 24.68                        | -2.9               | 21.78      | 0.151    | 1.000     | Pass    |
|                   |              |           | RB1#7                 | 24.64                        | -2.9               | 21.74      | 0.149    | 1.000     | Pass    |
|                   |              |           | RB1#14                | 24.25                        | -2.9               | 21.35      | 0.136    | 1.000     | Pass    |
|                   |              |           | RB8#0                 | 23.41                        | -2.9               | 20.51      | 0.112    | 1.000     | Pass    |
|                   |              |           | RB8#4                 | 23.37                        | -2.9               | 20.47      | 0.111    | 1.000     | Pass    |
|                   |              |           | RB8#7                 | 23.37                        | -2.9               | 20.47      | 0.111    | 1.000     | Pass    |
|                   |              |           | RB15#0                | 23.35                        | -2.9               | 20.45      | 0.111    | 1.000     | Pass    |
| 3 MHz             |              | 16-QAM    | RB1#0                 | 23.24                        | -2.9               | 20.34      | 0.108    | 1.000     | Pass    |
|                   |              |           | RB1#7                 | 23.32                        | -2.9               | 20.42      | 0.110    | 1.000     | Pass    |
|                   |              |           | RB1#14                | 23.19                        | -2.9               | 20.29      | 0.107    | 1.000     | Pass    |
|                   |              |           | RB8#0                 | 22.37                        | -2.9               | 19.47      | 0.089    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND66</b> |              |           |                       |                              |                    |            |          |           |         |
|                   |              |           | RB8#4                 | 22.33                        | -2.9               | 19.43      | 0.088    | 1.000     | Pass    |
|                   |              |           | RB8#7                 | 22.37                        | -2.9               | 19.47      | 0.089    | 1.000     | Pass    |
|                   |              |           | RB15#0                | 22.4                         | -2.9               | 19.50      | 0.089    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 22.39                        | -2.9               | 19.49      | 0.089    | 1.000     | Pass    |
|                   |              |           | RB1#7                 | 22.65                        | -2.9               | 19.75      | 0.094    | 1.000     | Pass    |
|                   |              |           | RB1#14                | 22.6                         | -2.9               | 19.70      | 0.093    | 1.000     | Pass    |
|                   |              |           | RB8#0                 | 21.4                         | -2.9               | 18.50      | 0.071    | 1.000     | Pass    |
|                   |              |           | RB8#4                 | 21.28                        | -2.9               | 18.38      | 0.069    | 1.000     | Pass    |
|                   |              |           | RB8#7                 | 21.3                         | -2.9               | 18.40      | 0.069    | 1.000     | Pass    |
|                   |              |           | RB15#0                | 21.25                        | -2.9               | 18.35      | 0.068    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 24.27                        | -2.9               | 21.37      | 0.137    | 1.000     | Pass    |
|                   |              |           | RB1#7                 | 24.4                         | -2.9               | 21.50      | 0.141    | 1.000     | Pass    |
|                   |              |           | RB1#14                | 24.31                        | -2.9               | 21.41      | 0.138    | 1.000     | Pass    |
|                   |              |           | RB8#0                 | 23.2                         | -2.9               | 20.30      | 0.107    | 1.000     | Pass    |
|                   |              |           | RB8#4                 | 23.27                        | -2.9               | 20.37      | 0.109    | 1.000     | Pass    |
|                   |              |           | RB8#7                 | 23.18                        | -2.9               | 20.28      | 0.107    | 1.000     | Pass    |
|                   |              |           | RB15#0                | 23.09                        | -2.9               | 20.19      | 0.104    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.17                        | -2.9               | 20.27      | 0.106    | 1.000     | Pass    |
|                   |              |           | RB1#7                 | 23.17                        | -2.9               | 20.27      | 0.106    | 1.000     | Pass    |
|                   |              |           | RB1#14                | 23.05                        | -2.9               | 20.15      | 0.104    | 1.000     | Pass    |
|                   |              |           | RB8#0                 | 22.22                        | -2.9               | 19.32      | 0.086    | 1.000     | Pass    |
|                   |              |           | RB8#4                 | 22.17                        | -2.9               | 19.27      | 0.085    | 1.000     | Pass    |
|                   |              |           | RB8#7                 | 22.49                        | -2.9               | 19.59      | 0.091    | 1.000     | Pass    |
|                   |              |           | RB15#0                | 22.26                        | -2.9               | 19.36      | 0.086    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 22.2                         | -2.9               | 19.30      | 0.085    | 1.000     | Pass    |
|                   |              |           | RB1#7                 | 22.58                        | -2.9               | 19.68      | 0.093    | 1.000     | Pass    |
|                   |              |           | RB1#14                | 22.17                        | -2.9               | 19.27      | 0.085    | 1.000     | Pass    |
|                   |              |           | RB8#0                 | 21.03                        | -2.9               | 18.13      | 0.065    | 1.000     | Pass    |
|                   |              |           | RB8#4                 | 21.04                        | -2.9               | 18.14      | 0.065    | 1.000     | Pass    |
|                   |              |           | RB8#7                 | 21.05                        | -2.9               | 18.15      | 0.065    | 1.000     | Pass    |
|                   |              |           | RB15#0                | 21.11                        | -2.9               | 18.21      | 0.066    | 1.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 24.42                        | -2.9               | 21.52      | 0.142    | 1.000     | Pass    |
|                   |              |           | RB1#7                 | 24.43                        | -2.9               | 21.53      | 0.142    | 1.000     | Pass    |
|                   |              |           | RB1#14                | 24.46                        | -2.9               | 21.56      | 0.143    | 1.000     | Pass    |
|                   |              |           | RB8#0                 | 23.44                        | -2.9               | 20.54      | 0.113    | 1.000     | Pass    |
|                   |              |           | RB8#4                 | 23.4                         | -2.9               | 20.50      | 0.112    | 1.000     | Pass    |
|                   |              |           | RB8#7                 | 23.32                        | -2.9               | 20.42      | 0.110    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND66</b> |              |           |                       |                              |                    |            |          |           |         |
|                   |              | 16-QAM    | RB15#0                | 23.39                        | -2.9               | 20.49      | 0.112    | 1.000     | Pass    |
|                   |              |           | RB1#0                 | 23.35                        | -2.9               | 20.45      | 0.111    | 1.000     | Pass    |
|                   |              |           | RB1#7                 | 23.21                        | -2.9               | 20.31      | 0.107    | 1.000     | Pass    |
|                   |              |           | RB1#14                | 23.25                        | -2.9               | 20.35      | 0.108    | 1.000     | Pass    |
|                   |              |           | RB8#0                 | 22.44                        | -2.9               | 19.54      | 0.090    | 1.000     | Pass    |
|                   |              |           | RB8#4                 | 22.42                        | -2.9               | 19.52      | 0.090    | 1.000     | Pass    |
|                   |              |           | RB8#7                 | 22.22                        | -2.9               | 19.32      | 0.086    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB15#0                | 22.38                        | -2.9               | 19.48      | 0.089    | 1.000     | Pass    |
|                   |              |           | RB1#0                 | 22.41                        | -2.9               | 19.51      | 0.089    | 1.000     | Pass    |
|                   |              |           | RB1#7                 | 22.55                        | -2.9               | 19.65      | 0.092    | 1.000     | Pass    |
|                   |              |           | RB1#14                | 22.46                        | -2.9               | 19.56      | 0.090    | 1.000     | Pass    |
|                   |              |           | RB8#0                 | 21.47                        | -2.9               | 18.57      | 0.072    | 1.000     | Pass    |
|                   |              |           | RB8#4                 | 21.45                        | -2.9               | 18.55      | 0.072    | 1.000     | Pass    |
|                   |              |           | RB8#7                 | 21.28                        | -2.9               | 18.38      | 0.069    | 1.000     | Pass    |
| 5 MHz             | LCH          | QPSK      | RB1#0                 | 24.47                        | -2.9               | 21.57      | 0.144    | 1.000     | Pass    |
|                   |              |           | RB1#13                | 24.76                        | -2.9               | 21.86      | 0.153    | 1.000     | Pass    |
|                   |              |           | RB1#24                | 24.36                        | -2.9               | 21.46      | 0.140    | 1.000     | Pass    |
|                   |              |           | RB12#0                | 23.37                        | -2.9               | 20.47      | 0.111    | 1.000     | Pass    |
|                   |              |           | RB12#6                | 23.34                        | -2.9               | 20.44      | 0.111    | 1.000     | Pass    |
|                   |              |           | RB12#13               | 23.33                        | -2.9               | 20.43      | 0.110    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 23.32                        | -2.9               | 20.42      | 0.110    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.1                         | -2.9               | 20.20      | 0.105    | 1.000     | Pass    |
|                   |              |           | RB1#13                | 23.32                        | -2.9               | 20.42      | 0.110    | 1.000     | Pass    |
|                   |              |           | RB1#24                | 22.97                        | -2.9               | 20.07      | 0.102    | 1.000     | Pass    |
|                   |              |           | RB12#0                | 22.38                        | -2.9               | 19.48      | 0.089    | 1.000     | Pass    |
|                   |              |           | RB12#6                | 22.47                        | -2.9               | 19.57      | 0.091    | 1.000     | Pass    |
|                   |              |           | RB12#13               | 22.37                        | -2.9               | 19.47      | 0.089    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 22.36                        | -2.9               | 19.46      | 0.088    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 22.62                        | -2.9               | 19.72      | 0.094    | 1.000     | Pass    |
|                   |              |           | RB1#13                | 22.67                        | -2.9               | 19.77      | 0.095    | 1.000     | Pass    |
|                   |              |           | RB1#24                | 22.57                        | -2.9               | 19.67      | 0.093    | 1.000     | Pass    |
|                   |              |           | RB12#0                | 21.36                        | -2.9               | 18.46      | 0.070    | 1.000     | Pass    |
|                   |              |           | RB12#6                | 21.43                        | -2.9               | 18.53      | 0.071    | 1.000     | Pass    |
|                   |              |           | RB12#13               | 21.06                        | -2.9               | 18.16      | 0.065    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 21.25                        | -2.9               | 18.35      | 0.068    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 24.18                        | -2.9               | 21.28      | 0.134    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND66</b> |              |           |                       |                              |                    |            |          |           |         |
|                   |              |           | RB1#13                | 24.75                        | -2.9               | 21.85      | 0.153    | 1.000     | Pass    |
|                   |              |           | RB1#24                | 24.33                        | -2.9               | 21.43      | 0.139    | 1.000     | Pass    |
|                   |              |           | RB12#0                | 23.23                        | -2.9               | 20.33      | 0.108    | 1.000     | Pass    |
|                   |              |           | RB12#6                | 23.14                        | -2.9               | 20.24      | 0.106    | 1.000     | Pass    |
|                   |              |           | RB12#13               | 23.22                        | -2.9               | 20.32      | 0.108    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 23.14                        | -2.9               | 20.24      | 0.106    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.03                        | -2.9               | 20.13      | 0.103    | 1.000     | Pass    |
|                   |              |           | RB1#13                | 23.07                        | -2.9               | 20.17      | 0.104    | 1.000     | Pass    |
|                   |              |           | RB1#24                | 22.79                        | -2.9               | 19.89      | 0.097    | 1.000     | Pass    |
|                   |              |           | RB12#0                | 22.14                        | -2.9               | 19.24      | 0.084    | 1.000     | Pass    |
|                   |              |           | RB12#6                | 22.21                        | -2.9               | 19.31      | 0.085    | 1.000     | Pass    |
|                   |              |           | RB12#13               | 22.13                        | -2.9               | 19.23      | 0.084    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 22.23                        | -2.9               | 19.33      | 0.086    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 22.19                        | -2.9               | 19.29      | 0.085    | 1.000     | Pass    |
|                   |              |           | RB1#13                | 22.63                        | -2.9               | 19.73      | 0.094    | 1.000     | Pass    |
|                   |              |           | RB1#24                | 22.06                        | -2.9               | 19.16      | 0.082    | 1.000     | Pass    |
|                   |              |           | RB12#0                | 21.49                        | -2.9               | 18.59      | 0.072    | 1.000     | Pass    |
|                   |              |           | RB12#6                | 21.49                        | -2.9               | 18.59      | 0.072    | 1.000     | Pass    |
|                   |              |           | RB12#13               | 21.48                        | -2.9               | 18.58      | 0.072    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 21.27                        | -2.9               | 18.37      | 0.069    | 1.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 24.22                        | -2.9               | 21.32      | 0.136    | 1.000     | Pass    |
|                   |              |           | RB1#13                | 24.61                        | -2.9               | 21.71      | 0.148    | 1.000     | Pass    |
|                   |              |           | RB1#24                | 24.4                         | -2.9               | 21.50      | 0.141    | 1.000     | Pass    |
|                   |              |           | RB12#0                | 23.45                        | -2.9               | 20.55      | 0.114    | 1.000     | Pass    |
|                   |              |           | RB12#6                | 23.44                        | -2.9               | 20.54      | 0.113    | 1.000     | Pass    |
|                   |              |           | RB12#13               | 23.4                         | -2.9               | 20.50      | 0.112    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 23.39                        | -2.9               | 20.49      | 0.112    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.14                        | -2.9               | 20.24      | 0.106    | 1.000     | Pass    |
|                   |              |           | RB1#13                | 23.15                        | -2.9               | 20.25      | 0.106    | 1.000     | Pass    |
|                   |              |           | RB1#24                | 23.09                        | -2.9               | 20.19      | 0.104    | 1.000     | Pass    |
|                   |              |           | RB12#0                | 22.49                        | -2.9               | 19.59      | 0.091    | 1.000     | Pass    |
|                   |              |           | RB12#6                | 22.57                        | -2.9               | 19.67      | 0.093    | 1.000     | Pass    |
|                   |              |           | RB12#13               | 22.43                        | -2.9               | 19.53      | 0.090    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 22.52                        | -2.9               | 19.62      | 0.092    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 22.26                        | -2.9               | 19.36      | 0.086    | 1.000     | Pass    |
|                   |              |           | RB1#13                | 22.71                        | -2.9               | 19.81      | 0.096    | 1.000     | Pass    |
|                   |              |           | RB1#24                | 22.56                        | -2.9               | 19.66      | 0.092    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND66</b> |              |           |                       |                              |                    |            |          |           |         |
| 10 MHz            | LCH          | QPSK      | RB12#0                | 21.7                         | -2.9               | 18.80      | 0.076    | 1.000     | Pass    |
|                   |              |           | RB12#6                | 21.76                        | -2.9               | 18.86      | 0.077    | 1.000     | Pass    |
|                   |              |           | RB12#13               | 21.48                        | -2.9               | 18.58      | 0.072    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 21.47                        | -2.9               | 18.57      | 0.072    | 1.000     | Pass    |
|                   |              | QPSK      | RB1#0                 | 24.58                        | -2.9               | 21.68      | 0.147    | 1.000     | Pass    |
|                   |              |           | RB1#25                | 24.82                        | -2.9               | 21.92      | 0.156    | 1.000     | Pass    |
|                   |              |           | RB1#49                | 24.57                        | -2.9               | 21.67      | 0.147    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 23.4                         | -2.9               | 20.50      | 0.112    | 1.000     | Pass    |
|                   |              |           | RB25#13               | 23.41                        | -2.9               | 20.51      | 0.112    | 1.000     | Pass    |
|                   |              |           | RB25#25               | 23.39                        | -2.9               | 20.49      | 0.112    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 23.36                        | -2.9               | 20.46      | 0.111    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.3                         | -2.9               | 20.40      | 0.110    | 1.000     | Pass    |
|                   |              |           | RB1#25                | 23.27                        | -2.9               | 20.37      | 0.109    | 1.000     | Pass    |
|                   |              |           | RB1#49                | 23.25                        | -2.9               | 20.35      | 0.108    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 22.33                        | -2.9               | 19.43      | 0.088    | 1.000     | Pass    |
|                   |              |           | RB25#13               | 22.34                        | -2.9               | 19.44      | 0.088    | 1.000     | Pass    |
|                   |              |           | RB25#25               | 22.58                        | -2.9               | 19.68      | 0.093    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 22.43                        | -2.9               | 19.53      | 0.090    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 22.35                        | -2.9               | 19.45      | 0.088    | 1.000     | Pass    |
|                   |              |           | RB1#25                | 22.71                        | -2.9               | 19.81      | 0.096    | 1.000     | Pass    |
|                   |              |           | RB1#49                | 22.36                        | -2.9               | 19.46      | 0.088    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 21.42                        | -2.9               | 18.52      | 0.071    | 1.000     | Pass    |
|                   |              |           | RB25#13               | 21.55                        | -2.9               | 18.65      | 0.073    | 1.000     | Pass    |
|                   |              |           | RB25#25               | 21.34                        | -2.9               | 18.44      | 0.070    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 21.33                        | -2.9               | 18.43      | 0.070    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 24.28                        | -2.9               | 21.38      | 0.137    | 1.000     | Pass    |
|                   |              |           | RB1#25                | 24.52                        | -2.9               | 21.62      | 0.145    | 1.000     | Pass    |
|                   |              |           | RB1#49                | 24.42                        | -2.9               | 21.52      | 0.142    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 23.25                        | -2.9               | 20.35      | 0.108    | 1.000     | Pass    |
|                   |              |           | RB25#13               | 23.2                         | -2.9               | 20.30      | 0.107    | 1.000     | Pass    |
|                   |              |           | RB25#25               | 23.21                        | -2.9               | 20.31      | 0.107    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 23.23                        | -2.9               | 20.33      | 0.108    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.13                        | -2.9               | 20.23      | 0.105    | 1.000     | Pass    |
|                   |              |           | RB1#25                | 23.11                        | -2.9               | 20.21      | 0.105    | 1.000     | Pass    |
|                   |              |           | RB1#49                | 23.16                        | -2.9               | 20.26      | 0.106    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 22.21                        | -2.9               | 19.31      | 0.085    | 1.000     | Pass    |
|                   |              |           | RB25#13               | 22.28                        | -2.9               | 19.38      | 0.087    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND66</b> |              |           |                       |                              |                    |            |          |           |         |
|                   |              | 64-QAM    | RB25#25               | 22.19                        | -2.9               | 19.29      | 0.085    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 22.3                         | -2.9               | 19.40      | 0.087    | 1.000     | Pass    |
|                   |              |           | RB1#0                 | 22.24                        | -2.9               | 19.34      | 0.086    | 1.000     | Pass    |
|                   |              |           | RB1#25                | 22.89                        | -2.9               | 19.99      | 0.100    | 1.000     | Pass    |
|                   |              |           | RB1#49                | 22.32                        | -2.9               | 19.42      | 0.087    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 21.34                        | -2.9               | 18.44      | 0.070    | 1.000     | Pass    |
|                   |              |           | RB25#13               | 21.42                        | -2.9               | 18.52      | 0.071    | 1.000     | Pass    |
|                   |              |           | RB25#25               | 21.25                        | -2.9               | 18.35      | 0.068    | 1.000     | Pass    |
|                   | HCH          | QPSK      | RB50#0                | 21.26                        | -2.9               | 18.36      | 0.069    | 1.000     | Pass    |
|                   |              |           | RB1#0                 | 24.41                        | -2.9               | 21.51      | 0.142    | 1.000     | Pass    |
|                   |              |           | RB1#25                | 24.57                        | -2.9               | 21.67      | 0.147    | 1.000     | Pass    |
|                   |              |           | RB1#49                | 24.5                         | -2.9               | 21.60      | 0.145    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 23.33                        | -2.9               | 20.43      | 0.110    | 1.000     | Pass    |
|                   |              |           | RB25#13               | 23.31                        | -2.9               | 20.41      | 0.110    | 1.000     | Pass    |
|                   |              |           | RB25#25               | 23.27                        | -2.9               | 20.37      | 0.109    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 23.3                         | -2.9               | 20.40      | 0.110    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.08                        | -2.9               | 20.18      | 0.104    | 1.000     | Pass    |
|                   |              |           | RB1#25                | 23.15                        | -2.9               | 20.25      | 0.106    | 1.000     | Pass    |
|                   |              |           | RB1#49                | 23.26                        | -2.9               | 20.36      | 0.109    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 22.41                        | -2.9               | 19.51      | 0.089    | 1.000     | Pass    |
|                   |              |           | RB25#13               | 22.33                        | -2.9               | 19.43      | 0.088    | 1.000     | Pass    |
|                   |              |           | RB25#25               | 22.4                         | -2.9               | 19.50      | 0.089    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 22.33                        | -2.9               | 19.43      | 0.088    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 22.31                        | -2.9               | 19.41      | 0.087    | 1.000     | Pass    |
|                   |              |           | RB1#25                | 23.02                        | -2.9               | 20.12      | 0.103    | 1.000     | Pass    |
|                   |              |           | RB1#49                | 22.42                        | -2.9               | 19.52      | 0.090    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 21.49                        | -2.9               | 18.59      | 0.072    | 1.000     | Pass    |
|                   |              |           | RB25#13               | 21.51                        | -2.9               | 18.61      | 0.073    | 1.000     | Pass    |
|                   |              |           | RB25#25               | 21.32                        | -2.9               | 18.42      | 0.070    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 21.34                        | -2.9               | 18.44      | 0.070    | 1.000     | Pass    |
| 15 MHz            | LCH          | QPSK      | RB1#0                 | 24.53                        | -2.9               | 21.63      | 0.146    | 1.000     | Pass    |
|                   |              |           | RB1#38                | 24.8                         | -2.9               | 21.90      | 0.155    | 1.000     | Pass    |
|                   |              |           | RB1#74                | 24.6                         | -2.9               | 21.70      | 0.148    | 1.000     | Pass    |
|                   |              |           | RB36#0                | 23.4                         | -2.9               | 20.50      | 0.112    | 1.000     | Pass    |
|                   |              |           | RB36#19               | 23.44                        | -2.9               | 20.54      | 0.113    | 1.000     | Pass    |
|                   |              |           | RB36#39               | 23.35                        | -2.9               | 20.45      | 0.111    | 1.000     | Pass    |
|                   |              |           | RB75#0                | 23.35                        | -2.9               | 20.45      | 0.111    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND66</b> |              |           |                       |                              |                    |            |          |           |         |
|                   |              | 16-QAM    | RB1#0                 | 23.3                         | -2.9               | 20.40      | 0.110    | 1.000     | Pass    |
|                   |              |           | RB1#38                | 23.39                        | -2.9               | 20.49      | 0.112    | 1.000     | Pass    |
|                   |              |           | RB1#74                | 22.95                        | -2.9               | 20.05      | 0.101    | 1.000     | Pass    |
|                   |              |           | RB36#0                | 22.38                        | -2.9               | 19.48      | 0.089    | 1.000     | Pass    |
|                   |              |           | RB36#19               | 22.44                        | -2.9               | 19.54      | 0.090    | 1.000     | Pass    |
|                   |              |           | RB36#39               | 22.38                        | -2.9               | 19.48      | 0.089    | 1.000     | Pass    |
|                   |              |           | RB75#0                | 22.4                         | -2.9               | 19.50      | 0.089    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 22.42                        | -2.9               | 19.52      | 0.090    | 1.000     | Pass    |
|                   |              |           | RB1#38                | 22.89                        | -2.9               | 19.99      | 0.100    | 1.000     | Pass    |
|                   |              |           | RB1#74                | 22.24                        | -2.9               | 19.34      | 0.086    | 1.000     | Pass    |
|                   |              |           | RB36#0                | 21.28                        | -2.9               | 18.38      | 0.069    | 1.000     | Pass    |
|                   |              |           | RB36#19               | 21.5                         | -2.9               | 18.60      | 0.072    | 1.000     | Pass    |
|                   |              |           | RB36#39               | 21.32                        | -2.9               | 18.42      | 0.070    | 1.000     | Pass    |
|                   |              |           | RB75#0                | 21.29                        | -2.9               | 18.39      | 0.069    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 24.37                        | -2.9               | 21.47      | 0.140    | 1.000     | Pass    |
|                   |              |           | RB1#38                | 24.84                        | -2.9               | 21.94      | 0.156    | 1.000     | Pass    |
|                   |              |           | RB1#74                | 24.46                        | -2.9               | 21.56      | 0.143    | 1.000     | Pass    |
|                   |              |           | RB36#0                | 23.29                        | -2.9               | 20.39      | 0.109    | 1.000     | Pass    |
|                   |              |           | RB36#19               | 23.19                        | -2.9               | 20.29      | 0.107    | 1.000     | Pass    |
|                   |              |           | RB36#39               | 23.23                        | -2.9               | 20.33      | 0.108    | 1.000     | Pass    |
|                   |              |           | RB75#0                | 23.21                        | -2.9               | 20.31      | 0.107    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.14                        | -2.9               | 20.24      | 0.106    | 1.000     | Pass    |
|                   |              |           | RB1#38                | 23.67                        | -2.9               | 20.77      | 0.119    | 1.000     | Pass    |
|                   |              |           | RB1#74                | 23.02                        | -2.9               | 20.12      | 0.103    | 1.000     | Pass    |
|                   |              |           | RB36#0                | 22.17                        | -2.9               | 19.27      | 0.085    | 1.000     | Pass    |
|                   |              |           | RB36#19               | 22.14                        | -2.9               | 19.24      | 0.084    | 1.000     | Pass    |
|                   |              |           | RB36#39               | 22.12                        | -2.9               | 19.22      | 0.084    | 1.000     | Pass    |
|                   |              |           | RB75#0                | 22.36                        | -2.9               | 19.46      | 0.088    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 22.38                        | -2.9               | 19.48      | 0.089    | 1.000     | Pass    |
|                   |              |           | RB1#38                | 22.59                        | -2.9               | 19.69      | 0.093    | 1.000     | Pass    |
|                   |              |           | RB1#74                | 22.17                        | -2.9               | 19.27      | 0.085    | 1.000     | Pass    |
|                   |              |           | RB36#0                | 21.24                        | -2.9               | 18.34      | 0.068    | 1.000     | Pass    |
|                   |              |           | RB36#19               | 21.31                        | -2.9               | 18.41      | 0.069    | 1.000     | Pass    |
|                   |              |           | RB36#39               | 21.29                        | -2.9               | 18.39      | 0.069    | 1.000     | Pass    |
|                   |              |           | RB75#0                | 21.32                        | -2.9               | 18.42      | 0.070    | 1.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 24.35                        | -2.9               | 21.45      | 0.140    | 1.000     | Pass    |
|                   |              |           | RB1#38                | 24.96                        | -2.9               | 22.06      | 0.161    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND66</b> |              |           |                       |                              |                    |            |          |           |         |
|                   |              |           | RB1#74                | 24.45                        | -2.9               | 21.55      | 0.143    | 1.000     | Pass    |
|                   |              |           | RB36#0                | 23.32                        | -2.9               | 20.42      | 0.110    | 1.000     | Pass    |
|                   |              |           | RB36#19               | 23.28                        | -2.9               | 20.38      | 0.109    | 1.000     | Pass    |
|                   |              |           | RB36#39               | 23.28                        | -2.9               | 20.38      | 0.109    | 1.000     | Pass    |
|                   |              |           | RB75#0                | 23.28                        | -2.9               | 20.38      | 0.109    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.15                        | -2.9               | 20.25      | 0.106    | 1.000     | Pass    |
|                   |              |           | RB1#38                | 23.55                        | -2.9               | 20.65      | 0.116    | 1.000     | Pass    |
|                   |              |           | RB1#74                | 23.22                        | -2.9               | 20.32      | 0.108    | 1.000     | Pass    |
|                   |              |           | RB36#0                | 22.31                        | -2.9               | 19.41      | 0.087    | 1.000     | Pass    |
|                   |              |           | RB36#19               | 22.37                        | -2.9               | 19.47      | 0.089    | 1.000     | Pass    |
|                   |              |           | RB36#39               | 22.4                         | -2.9               | 19.50      | 0.089    | 1.000     | Pass    |
|                   |              |           | RB75#0                | 22.3                         | -2.9               | 19.40      | 0.087    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 22.31                        | -2.9               | 19.41      | 0.087    | 1.000     | Pass    |
|                   |              |           | RB1#38                | 22.89                        | -2.9               | 19.99      | 0.100    | 1.000     | Pass    |
|                   |              |           | RB1#74                | 22.49                        | -2.9               | 19.59      | 0.091    | 1.000     | Pass    |
|                   |              |           | RB36#0                | 21.42                        | -2.9               | 18.52      | 0.071    | 1.000     | Pass    |
|                   |              |           | RB36#19               | 21.39                        | -2.9               | 18.49      | 0.071    | 1.000     | Pass    |
|                   |              |           | RB36#39               | 21.41                        | -2.9               | 18.51      | 0.071    | 1.000     | Pass    |
|                   |              |           | RB75#0                | 21.3                         | -2.9               | 18.40      | 0.069    | 1.000     | Pass    |
| 20 MHz            | LCH          | QPSK      | RB1#0                 | 24.66                        | -2.9               | 21.76      | 0.150    | 1.000     | Pass    |
|                   |              |           | RB1#50                | 24.86                        | -2.9               | 21.96      | 0.157    | 1.000     | Pass    |
|                   |              |           | RB1#99                | 24.41                        | -2.9               | 21.51      | 0.142    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 23.41                        | -2.9               | 20.51      | 0.112    | 1.000     | Pass    |
|                   |              |           | RB50#25               | 23.38                        | -2.9               | 20.48      | 0.112    | 1.000     | Pass    |
|                   |              |           | RB50#50               | 23.28                        | -2.9               | 20.38      | 0.109    | 1.000     | Pass    |
|                   |              |           | RB100#0               | 23.32                        | -2.9               | 20.42      | 0.110    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.04                        | -2.9               | 20.14      | 0.103    | 1.000     | Pass    |
|                   |              |           | RB1#50                | 23.26                        | -2.9               | 20.36      | 0.109    | 1.000     | Pass    |
|                   |              |           | RB1#99                | 23.04                        | -2.9               | 20.14      | 0.103    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 22.36                        | -2.9               | 19.46      | 0.088    | 1.000     | Pass    |
|                   |              |           | RB50#25               | 22.48                        | -2.9               | 19.58      | 0.091    | 1.000     | Pass    |
|                   |              |           | RB50#50               | 22.49                        | -2.9               | 19.59      | 0.091    | 1.000     | Pass    |
|                   |              |           | RB100#0               | 22.42                        | -2.9               | 19.52      | 0.090    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 22.3                         | -2.9               | 19.40      | 0.087    | 1.000     | Pass    |
|                   |              |           | RB1#50                | 23.01                        | -2.9               | 20.11      | 0.103    | 1.000     | Pass    |
|                   |              |           | RB1#99                | 22.29                        | -2.9               | 19.39      | 0.087    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 21.35                        | -2.9               | 18.45      | 0.070    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND66</b> |              |           |                       |                              |                    |            |          |           |         |
|                   | MCH          | QPSK      | RB50#25               | 21.52                        | -2.9               | 18.62      | 0.073    | 1.000     | Pass    |
|                   |              |           | RB50#50               | 21.53                        | -2.9               | 18.63      | 0.073    | 1.000     | Pass    |
|                   |              |           | RB100#0               | 21.47                        | -2.9               | 18.57      | 0.072    | 1.000     | Pass    |
|                   |              | QPSK      | RB1#0                 | 24.44                        | -2.9               | 21.54      | 0.143    | 1.000     | Pass    |
|                   |              |           | RB1#50                | 24.52                        | -2.9               | 21.62      | 0.145    | 1.000     | Pass    |
|                   |              |           | RB1#99                | 24.44                        | -2.9               | 21.54      | 0.143    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 23.33                        | -2.9               | 20.43      | 0.110    | 1.000     | Pass    |
|                   |              |           | RB50#25               | 23.16                        | -2.9               | 20.26      | 0.106    | 1.000     | Pass    |
|                   |              |           | RB50#50               | 23.23                        | -2.9               | 20.33      | 0.108    | 1.000     | Pass    |
|                   |              |           | RB100#0               | 23.22                        | -2.9               | 20.32      | 0.108    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.93                        | -2.9               | 20.03      | 0.101    | 1.000     | Pass    |
|                   |              |           | RB1#50                | 23.07                        | -2.9               | 20.17      | 0.104    | 1.000     | Pass    |
|                   |              |           | RB1#99                | 22.87                        | -2.9               | 19.97      | 0.099    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 22.21                        | -2.9               | 19.31      | 0.085    | 1.000     | Pass    |
|                   |              |           | RB50#25               | 22.23                        | -2.9               | 19.33      | 0.086    | 1.000     | Pass    |
|                   |              |           | RB50#50               | 22.14                        | -2.9               | 19.24      | 0.084    | 1.000     | Pass    |
|                   |              |           | RB100#0               | 22.17                        | -2.9               | 19.27      | 0.085    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 22.28                        | -2.9               | 19.38      | 0.087    | 1.000     | Pass    |
|                   |              |           | RB1#50                | 22.94                        | -2.9               | 20.04      | 0.101    | 1.000     | Pass    |
|                   |              |           | RB1#99                | 22.21                        | -2.9               | 19.31      | 0.085    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 21.17                        | -2.9               | 18.27      | 0.067    | 1.000     | Pass    |
|                   |              |           | RB50#25               | 21.1                         | -2.9               | 18.20      | 0.066    | 1.000     | Pass    |
|                   |              |           | RB50#50               | 21.19                        | -2.9               | 18.29      | 0.067    | 1.000     | Pass    |
|                   |              |           | RB100#0               | 21.25                        | -2.9               | 18.35      | 0.068    | 1.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 24.25                        | -2.9               | 21.35      | 0.136    | 1.000     | Pass    |
|                   |              |           | RB1#50                | 24.54                        | -2.9               | 21.64      | 0.146    | 1.000     | Pass    |
|                   |              |           | RB1#99                | 24.47                        | -2.9               | 21.57      | 0.144    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 23.35                        | -2.9               | 20.45      | 0.111    | 1.000     | Pass    |
|                   |              |           | RB50#25               | 23.26                        | -2.9               | 20.36      | 0.109    | 1.000     | Pass    |
|                   |              |           | RB50#50               | 23.24                        | -2.9               | 20.34      | 0.108    | 1.000     | Pass    |
|                   |              |           | RB100#0               | 23.22                        | -2.9               | 20.32      | 0.108    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.36                        | -2.9               | 19.46      | 0.088    | 1.000     | Pass    |
|                   |              |           | RB1#50                | 23.12                        | -2.9               | 20.22      | 0.105    | 1.000     | Pass    |
|                   |              |           | RB1#99                | 23.11                        | -2.9               | 20.21      | 0.105    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 22.36                        | -2.9               | 19.46      | 0.088    | 1.000     | Pass    |
|                   |              |           | RB50#25               | 22.36                        | -2.9               | 19.46      | 0.088    | 1.000     | Pass    |
|                   |              |           | RB50#50               | 22.36                        | -2.9               | 19.46      | 0.088    | 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> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              | 64-QAM    | RB100#0               | 22.41                           | -2.9               | 19.51      | 0.089    | 1.000     | Pass    |
|                   |              |           | RB1#0                 | 22.17                           | -2.9               | 19.27      | 0.085    | 1.000     | Pass    |
|                   |              |           | RB1#50                | 22.44                           | -2.9               | 19.54      | 0.090    | 1.000     | Pass    |
|                   |              |           | RB1#99                | 22.41                           | -2.9               | 19.51      | 0.089    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 21.25                           | -2.9               | 18.35      | 0.068    | 1.000     | Pass    |
|                   |              |           | RB50#25               | 21.25                           | -2.9               | 18.35      | 0.068    | 1.000     | Pass    |
|                   |              |           | RB50#50               | 21.28                           | -2.9               | 18.38      | 0.069    | 1.000     | Pass    |
|                   |              |           | RB100#0               | 21.22                           | -2.9               | 18.32      | 0.068    | 1.000     | Pass    |

## A.2 Peak to Average Ratio

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

Note 2: Test plots please refer to the document “Annex No.: BL-SZ2580860-501 Data Part 1.pdf”.

### WCDMA Mode Test Data

| Test Band | Test Channel | Peak to Average Ratio (dB) | Limit (dB) | Verdict<br>Note 2 |
|-----------|--------------|----------------------------|------------|-------------------|
| Band 2    | LCH          | 2.81                       | 13         | Pass              |
|           | MCH          | 2.86                       | 13         | Pass              |
|           | HCH          | 2.81                       | 13         | Pass              |
| Band 4    | LCH          | 2.81                       | 13         | Pass              |
|           | MCH          | 2.86                       | 13         | Pass              |
|           | HCH          | 2.77                       | 13         | Pass              |
| Band 5    | LCH          | 3.14                       | 13         | Pass              |
|           | MCH          | 3.09                       | 13         | Pass              |
|           | HCH          | 3.14                       | 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<br>Note2 |
|------------|----------------|--------------|-----------|-----------------------|----------------------------|------------|------------------|
| LTE Band 2 | 20 MHz         | LCH          | QPSK      | RB1#0                 | 4.64                       | 13         | Pass             |
|            |                |              |           | RB100#0               | 5.16                       | 13         | Pass             |
|            |                |              | 16-QAM    | RB1#0                 | 5.11                       | 13         | Pass             |
|            |                |              |           | RB100#0               | 5.91                       | 13         | Pass             |
|            |                | MCH          | QPSK      | RB1#0                 | 4.78                       | 13         | Pass             |
|            |                |              |           | RB100#0               | 5.25                       | 13         | Pass             |
|            |                |              | 16-QAM    | RB1#0                 | 5.58                       | 13         | Pass             |
|            |                |              |           | RB100#0               | 6.05                       | 13         | Pass             |
|            |                | HCH          | QPSK      | RB1#0                 | 5.06                       | 13         | Pass             |
|            |                |              |           | RB100#0               | 5.3                        | 13         | Pass             |
|            |                |              | 16-QAM    | RB1#0                 | 5.72                       | 13         | Pass             |
|            |                |              |           | RB100#0               | 6.05                       | 13         | Pass             |
| LTE Band 4 | 20 MHz         | LCH          | QPSK      | RB1#0                 | 4.22                       | 13         | Pass             |
|            |                |              |           | RB100#0               | 5.16                       | 13         | Pass             |
|            |                |              | 16-QAM    | RB1#0                 | 4.45                       | 13         | Pass             |
|            |                |              |           | RB100#0               | 5.95                       | 13         | Pass             |
|            |                | MCH          | QPSK      | RB1#0                 | 4.69                       | 13         | Pass             |
|            |                |              |           | RB100#0               | 5.11                       | 13         | Pass             |
|            |                |              | 16-QAM    | RB1#0                 | 5.34                       | 13         | Pass             |
|            |                |              |           | RB100#0               | 5.91                       | 13         | Pass             |
|            |                | HCH          | QPSK      | RB1#0                 | 4.5                        | 13         | Pass             |
|            |                |              |           | RB100#0               | 5.11                       | 13         | Pass             |
|            |                |              | 16-QAM    | RB1#0                 | 5.25                       | 13         | Pass             |
|            |                |              |           | RB100#0               | 5.86                       | 13         | Pass             |
| LTE Band 5 | 10 MHz         | LCH          | QPSK      | RB1#0                 | 5.39                       | 13         | Pass             |
|            |                |              |           | RB50#0                | 5.62                       | 13         | Pass             |
|            |                |              | 16-QAM    | RB1#0                 | 5.77                       | 13         | Pass             |
|            |                |              |           | RB50#0                | 6.23                       | 13         | Pass             |
|            |                | MCH          | QPSK      | RB1#0                 | 5.62                       | 13         | Pass             |
|            |                |              |           | RB50#0                | 5.44                       | 13         | Pass             |
|            |                |              | 16-QAM    | RB1#0                 | 5.86                       | 13         | Pass             |
|            |                |              |           | RB50#0                | 6.14                       | 13         | Pass             |
|            |                | HCH          | QPSK      | RB1#0                 | 5.06                       | 13         | Pass             |
|            |                |              |           | RB50#0                | 5.53                       | 13         | Pass             |
|            |                |              | 16-QAM    | RB1#0                 | 5.3                        | 13         | Pass             |
|            |                |              |           | RB50#0                | 6.09                       | 13         | Pass             |
| LTE Band 7 | 20 MHz         | LCH          | QPSK      | RB1#0                 | 3.23                       | 13         | Pass             |
|            |                |              |           | RB100#0               | 4.64                       | 13         | Pass             |

| Test Band            | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Peak to Average Ratio (dB) | Limit (dB) | Verdict<br>Note2 |
|----------------------|----------------|--------------|-----------|-----------------------|----------------------------|------------|------------------|
|                      |                |              | 16-QAM    | RB1#0                 | 3.66                       | 13         | Pass             |
|                      |                |              |           | RB100#0               | 5.44                       | 13         | Pass             |
|                      |                |              | QPSK      | RB1#0                 | 3.56                       | 13         | Pass             |
|                      |                |              |           | RB100#0               | 4.87                       | 13         | Pass             |
|                      |                | MCH          | 16-QAM    | RB1#0                 | 4.36                       | 13         | Pass             |
|                      |                |              |           | RB100#0               | 5.67                       | 13         | Pass             |
|                      |                |              | QPSK      | RB1#0                 | 3.33                       | 13         | Pass             |
|                      |                |              |           | RB100#0               | 5.3                        | 13         | Pass             |
|                      |                | HCH          | 16-QAM    | RB1#0                 | 3.94                       | 13         | Pass             |
|                      |                |              |           | RB100#0               | 5.53                       | 13         | Pass             |
| LTE Band 13          | 10 MHz         | MCH          | QPSK      | RB1#0                 | 4.03                       | 13         | Pass             |
|                      |                |              |           | RB50#0                | 5.06                       | 13         | Pass             |
|                      |                |              | 16-QAM    | RB1#0                 | 4.78                       | 13         | Pass             |
|                      |                |              |           | RB50#0                | 5.91                       | 13         | Pass             |
| LTE Band 18 (Part22) | 15 MHz         | LCH          | QPSK      | RB1#0                 | 4.59                       | 13         | Pass             |
|                      |                |              |           | RB50#0                | 5.3                        | 13         | Pass             |
|                      |                |              | 16-QAM    | RB1#0                 | 5.53                       | 13         | Pass             |
|                      |                |              |           | RB50#0                | 6.14                       | 13         | Pass             |
|                      |                | MCH          | QPSK      | RB1#0                 | 4.64                       | 13         | Pass             |
|                      |                |              |           | RB50#0                | 5.34                       | 13         | Pass             |
|                      |                |              | 16-QAM    | RB1#0                 | 5.34                       | 13         | Pass             |
|                      |                |              |           | RB50#0                | 6.14                       | 13         | Pass             |
|                      |                | HCH          | QPSK      | RB1#0                 | 4.64                       | 13         | Pass             |
|                      |                |              |           | RB50#0                | 5.34                       | 13         | Pass             |
|                      |                |              | 16-QAM    | RB1#0                 | 5.44                       | 13         | Pass             |
|                      |                |              |           | RB50#0                | 6.19                       | 13         | Pass             |
| LTE Band 18 (Part90) | 15 MHz         | LCH          | QPSK      | RB1#0                 | 4.36                       | 13         | Pass             |
|                      |                |              |           | RB50#0                | 5.11                       | 13         | Pass             |
|                      |                |              | 16-QAM    | RB1#0                 | 5.25                       | 13         | Pass             |
|                      |                |              |           | RB50#0                | 5.91                       | 13         | Pass             |
|                      |                | MCH          | QPSK      | RB1#0                 | 4.36                       | 13         | Pass             |
|                      |                |              |           | RB50#0                | 5.16                       | 13         | Pass             |
|                      |                |              | 16-QAM    | RB1#0                 | 5.06                       | 13         | Pass             |
|                      |                |              |           | RB50#0                | 5.95                       | 13         | Pass             |
|                      |                | HCH          | QPSK      | RB1#0                 | 4.36                       | 13         | Pass             |
|                      |                |              |           | RB50#0                | 5.16                       | 13         | Pass             |
|                      |                |              | 16-QAM    | RB1#0                 | 5.11                       | 13         | Pass             |
|                      |                |              |           | RB50#0                | 6.05                       | 13         | Pass             |
| LTE                  | 10 MHz         | MCH          | QPSK      | RB1#0                 | 4.59                       | 13         | Pass             |

| Test Band            | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Peak to Average Ratio (dB) | Limit (dB) | Verdict<br>Note2 |
|----------------------|----------------|--------------|-----------|-----------------------|----------------------------|------------|------------------|
| Band 19              |                |              | 16-QAM    | RB50#0                | 5.25                       | 13         | Pass             |
|                      |                |              |           | RB1#0                 | 5.48                       | 13         | Pass             |
|                      |                |              |           | RB50#0                | 6.09                       | 13         | Pass             |
| LTE Band 26 (Part22) | 15 MHz         | LCH          | QPSK      | RB1#0                 | 4.55                       | 13         | Pass             |
|                      |                |              |           | RB75#0                | 5.44                       | 13         | Pass             |
|                      |                |              | 16-QAM    | RB1#0                 | 5.34                       | 13         | Pass             |
|                      |                |              |           | RB75#0                | 6.14                       | 13         | Pass             |
|                      |                | MCH          | QPSK      | RB1#0                 | 4.64                       | 13         | Pass             |
|                      |                |              |           | RB75#0                | 5.25                       | 13         | Pass             |
|                      |                |              | 16-QAM    | RB1#0                 | 5.44                       | 13         | Pass             |
|                      |                |              |           | RB75#0                | 6.09                       | 13         | Pass             |
|                      |                | HCH          | QPSK      | RB1#0                 | 4.59                       | 13         | Pass             |
|                      |                |              |           | RB75#0                | 5.34                       | 13         | Pass             |
|                      |                |              | 16-QAM    | RB1#0                 | 5.39                       | 13         | Pass             |
|                      |                |              |           | RB75#0                | 6.09                       | 13         | Pass             |
| LTE Band 26 (Part90) | 10 MHz         | MCH          | QPSK      | RB1#0                 | 4.31                       | 13         | Pass             |
|                      |                |              |           | RB50#0                | 5.16                       | 13         | Pass             |
|                      |                |              | 16-QAM    | RB1#0                 | 5.11                       | 13         | Pass             |
|                      |                |              |           | RB50#0                | 5.95                       | 13         | Pass             |
| LTE Band 38          | 20 MHz         | LCH          | QPSK      | RB1#0                 | 8.44                       | 13         | Pass             |
|                      |                |              |           | RB100#0               | 8.86                       | 13         | Pass             |
|                      |                |              | 16-QAM    | RB1#0                 | 8.67                       | 13         | Pass             |
|                      |                |              |           | RB100#0               | 9.61                       | 13         | Pass             |
|                      |                | MCH          | QPSK      | RB1#0                 | 8.39                       | 13         | Pass             |
|                      |                |              |           | RB100#0               | 8.95                       | 13         | Pass             |
|                      |                |              | 16-QAM    | RB1#0                 | 9.19                       | 13         | Pass             |
|                      |                |              |           | RB100#0               | 9.61                       | 13         | Pass             |
|                      |                | HCH          | QPSK      | RB1#0                 | 8.34                       | 13         | Pass             |
|                      |                |              |           | RB100#0               | 8.86                       | 13         | Pass             |
|                      |                |              | 16-QAM    | RB1#0                 | 8.91                       | 13         | Pass             |
|                      |                |              |           | RB100#0               | 9.61                       | 13         | Pass             |
| LTE Band 41          | 20 MHz         | LCH          | QPSK      | RB1#0                 | 7.83                       | 13         | Pass             |
|                      |                |              |           | RB100#0               | 8.25                       | 13         | Pass             |
|                      |                |              | 16-QAM    | RB1#0                 | 7.69                       | 13         | Pass             |
|                      |                |              |           | RB100#0               | 8.67                       | 13         | Pass             |
|                      |                | MCH          | QPSK      | RB1#0                 | 8.62                       | 13         | Pass             |
|                      |                |              |           | RB100#0               | 8.48                       | 13         | Pass             |
|                      |                |              | 16-QAM    | RB1#0                 | 8.39                       | 13         | Pass             |
|                      |                |              |           | RB100#0               | 9.42                       | 13         | Pass             |

| Test Band      | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Peak to Average Ratio (dB) | Limit (dB) | Verdict<br>Note2 |
|----------------|----------------|--------------|-----------|-----------------------|----------------------------|------------|------------------|
| LTE<br>Band 66 | 20 MHz         | HCH          | QPSK      | RB1#0                 | 8.16                       | 13         | Pass             |
|                |                |              |           | RB100#0               | 8.58                       | 13         | Pass             |
|                |                |              | 16-QAM    | RB1#0                 | 8.48                       | 13         | Pass             |
|                |                |              |           | RB100#0               | 9.05                       | 13         | Pass             |
|                |                | LCH          | QPSK      | RB1#0                 | 3.61                       | 13         | Pass             |
|                |                |              |           | RB100#0               | 4.83                       | 13         | Pass             |
|                |                |              | 16-QAM    | RB1#0                 | 4.36                       | 13         | Pass             |
|                |                |              |           | RB100#0               | 5.62                       | 13         | Pass             |
|                |                | MCH          | QPSK      | RB1#0                 | 3.8                        | 13         | Pass             |
|                |                |              |           | RB100#0               | 4.73                       | 13         | Pass             |
|                |                |              | 16-QAM    | RB1#0                 | 4.64                       | 13         | Pass             |
|                |                |              |           | RB100#0               | 5.53                       | 13         | Pass             |
|                |                | HCH          | QPSK      | RB1#0                 | 3.84                       | 13         | Pass             |
|                |                |              |           | RB100#0               | 4.78                       | 13         | Pass             |
|                |                |              | 16-QAM    | RB1#0                 | 4.41                       | 13         | Pass             |
|                |                |              |           | RB100#0               | 5.58                       | 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-SZ2580860-501 Data Part 2.pdf”.

#### GSM and WCDMA Mode Test Data

| Test Band    | Test Channel | Measured 99%<br>Occupied<br>Bandwidth<br>(MHz) | Measured -26 dB<br>Occupied<br>Bandwidth<br>(MHz) | Verdict <sup>Note2</sup> |
|--------------|--------------|------------------------------------------------|---------------------------------------------------|--------------------------|
| GSM 850      | LCH          | 0.244                                          | 0.312                                             | Pass                     |
|              | MCH          | 0.245                                          | 0.304                                             | Pass                     |
|              | HCH          | 0.244                                          | 0.306                                             | Pass                     |
| GSM 1900     | LCH          | 0.243                                          | 0.316                                             | Pass                     |
|              | MCH          | 0.242                                          | 0.311                                             | Pass                     |
|              | HCH          | 0.246                                          | 0.311                                             | Pass                     |
| EGPRS 850    | LCH          | 0.247                                          | 0.314                                             | Pass                     |
|              | MCH          | 0.246                                          | 0.306                                             | Pass                     |
|              | HCH          | 0.246                                          | 0.308                                             | Pass                     |
| EGPRS 1900   | LCH          | 0.244                                          | 0.3                                               | Pass                     |
|              | MCH          | 0.245                                          | 0.311                                             | Pass                     |
|              | HCH          | 0.247                                          | 0.299                                             | Pass                     |
| WCDMA Band 2 | LCH          | 4.111                                          | 4.737                                             | Pass                     |
|              | MCH          | 4.109                                          | 4.728                                             | Pass                     |
|              | HCH          | 4.108                                          | 4.735                                             | Pass                     |
| WCDMA Band 4 | LCH          | 4.108                                          | 4.733                                             | Pass                     |
|              | MCH          | 4.106                                          | 4.717                                             | Pass                     |
|              | HCH          | 4.107                                          | 4.727                                             | Pass                     |
| WCDMA Band 5 | LCH          | 4.105                                          | 4.708                                             | Pass                     |
|              | MCH          | 4.093                                          | 4.7                                               | Pass                     |
|              | HCH          | 4.099                                          | 4.696                                             | Pass                     |

## LTE Mode Test Data

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured - 26 dB Occupied Bandwidth (MHz) | Verdict<br>Note2 |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|-------------------------------------------|------------------|
| Band 2    | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.09                                  | 1.26                                      | Pass             |
|           |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.29                                      | Pass             |
|           |                |              | 64-QAM    | RB6#0                 | 1.09                                  | 1.28                                      | Pass             |
|           |                | MCH          | QPSK      | RB6#0                 | 1.09                                  | 1.27                                      | Pass             |
|           |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.28                                      | Pass             |
|           |                |              | 64-QAM    | RB6#0                 | 1.09                                  | 1.27                                      | Pass             |
|           |                | HCH          | QPSK      | RB6#0                 | 1.09                                  | 1.27                                      | Pass             |
|           |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.28                                      | Pass             |
|           |                |              | 64-QAM    | RB6#0                 | 1.09                                  | 1.28                                      | Pass             |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.69                                  | 2.97                                      | Pass             |
|           |                |              | 16-QAM    | RB15#0                | 2.69                                  | 2.99                                      | Pass             |
|           |                |              | 64-QAM    | RB15#0                | 2.69                                  | 2.96                                      | Pass             |
|           |                | MCH          | QPSK      | RB15#0                | 2.69                                  | 2.96                                      | Pass             |
|           |                |              | 16-QAM    | RB15#0                | 2.69                                  | 2.98                                      | Pass             |
|           |                |              | 64-QAM    | RB15#0                | 2.69                                  | 2.96                                      | Pass             |
|           |                | HCH          | QPSK      | RB15#0                | 2.69                                  | 2.98                                      | Pass             |
|           |                |              | 16-QAM    | RB15#0                | 2.69                                  | 2.99                                      | Pass             |
|           |                |              | 64-QAM    | RB15#0                | 2.69                                  | 2.97                                      | Pass             |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.48                                  | 5.02                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.47                                  | 4.98                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.48                                  | 4.98                                      | Pass             |
|           |                | MCH          | QPSK      | RB25#0                | 4.48                                  | 5.01                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.48                                  | 4.98                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.49                                  | 5                                         | Pass             |
|           |                | HCH          | QPSK      | RB25#0                | 4.48                                  | 5.01                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.48                                  | 4.98                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.49                                  | 5                                         | Pass             |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.96                                  | 9.83                                      | Pass             |
|           |                |              | 16-QAM    | RB50#0                | 8.93                                  | 9.8                                       | Pass             |
|           |                |              | 64-QAM    | RB50#0                | 8.96                                  | 9.9                                       | Pass             |
|           |                | MCH          | QPSK      | RB50#0                | 8.95                                  | 9.86                                      | Pass             |
|           |                |              | 16-QAM    | RB50#0                | 8.94                                  | 9.8                                       | Pass             |
|           |                |              | 64-QAM    | RB50#0                | 8.95                                  | 9.86                                      | Pass             |
|           |                | HCH          | QPSK      | RB50#0                | 8.97                                  | 9.85                                      | Pass             |
|           |                |              | 16-QAM    | RB50#0                | 8.94                                  | 9.81                                      | Pass             |
|           |                |              | 64-QAM    | RB50#0                | 8.94                                  | 9.9                                       | Pass             |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.39                                 | 14.62                                     | Pass             |

|  |        |     |        |         |       |       |      |
|--|--------|-----|--------|---------|-------|-------|------|
|  |        |     | 16-QAM | RB75#0  | 13.39 | 14.78 | Pass |
|  |        |     | 64-QAM | RB75#0  | 13.36 | 14.55 | Pass |
|  |        | MCH | QPSK   | RB75#0  | 13.4  | 14.64 | Pass |
|  |        |     | 16-QAM | RB75#0  | 13.41 | 14.78 | Pass |
|  |        |     | 64-QAM | RB75#0  | 13.37 | 14.71 | Pass |
|  |        | HCH | QPSK   | RB75#0  | 13.41 | 14.68 | Pass |
|  |        |     | 16-QAM | RB75#0  | 13.39 | 14.69 | Pass |
|  |        |     | 64-QAM | RB75#0  | 13.37 | 14.76 | Pass |
|  | 20 MHz | LCH | QPSK   | RB100#0 | 17.81 | 19.38 | Pass |
|  |        |     | 16-QAM | RB100#0 | 17.87 | 19.33 | Pass |
|  |        |     | 64-QAM | RB100#0 | 17.84 | 19.54 | Pass |
|  |        | MCH | QPSK   | RB100#0 | 17.87 | 19.35 | Pass |
|  |        |     | 16-QAM | RB100#0 | 17.87 | 19.39 | Pass |
|  |        |     | 64-QAM | RB100#0 | 17.88 | 19.44 | Pass |
|  |        | HCH | QPSK   | RB100#0 | 17.85 | 19.44 | Pass |
|  |        |     | 16-QAM | RB100#0 | 17.89 | 19.41 | Pass |
|  |        |     | 64-QAM | RB100#0 | 17.86 | 19.52 | Pass |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured - 26 dB Occupied Bandwidth (MHz) | Verdict<br>Note2 |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|-------------------------------------------|------------------|
| Band 4    | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.09                                  | 1.29                                      | Pass             |
|           |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.27                                      | Pass             |
|           |                |              | 64-QAM    | RB6#0                 | 1.09                                  | 1.29                                      | Pass             |
|           |                | MCH          | QPSK      | RB6#0                 | 1.09                                  | 1.28                                      | Pass             |
|           |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.27                                      | Pass             |
|           |                |              | 64-QAM    | RB6#0                 | 1.09                                  | 1.28                                      | Pass             |
|           |                | HCH          | QPSK      | RB6#0                 | 1.09                                  | 1.28                                      | Pass             |
|           |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.28                                      | Pass             |
|           |                |              | 64-QAM    | RB6#0                 | 1.09                                  | 1.28                                      | Pass             |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.69                                  | 2.96                                      | Pass             |
|           |                |              | 16-QAM    | RB15#0                | 2.69                                  | 2.99                                      | Pass             |
|           |                |              | 64-QAM    | RB15#0                | 2.69                                  | 2.97                                      | Pass             |
|           |                | MCH          | QPSK      | RB15#0                | 2.69                                  | 2.97                                      | Pass             |
|           |                |              | 16-QAM    | RB15#0                | 2.69                                  | 2.98                                      | Pass             |
|           |                |              | 64-QAM    | RB15#0                | 2.69                                  | 2.96                                      | Pass             |
|           |                | HCH          | QPSK      | RB15#0                | 2.69                                  | 2.98                                      | Pass             |
|           |                |              | 16-QAM    | RB15#0                | 2.69                                  | 2.98                                      | Pass             |
|           |                |              | 64-QAM    | RB15#0                | 2.69                                  | 2.96                                      | Pass             |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.48                                  | 5.04                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.48                                  | 4.98                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.49                                  | 4.96                                      | Pass             |
|           |                | MCH          | QPSK      | RB25#0                | 4.48                                  | 5.02                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.48                                  | 4.98                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.49                                  | 4.98                                      | Pass             |
|           |                | HCH          | QPSK      | RB25#0                | 4.48                                  | 5.01                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.48                                  | 4.97                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.49                                  | 4.98                                      | Pass             |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.98                                  | 9.82                                      | Pass             |
|           |                |              | 16-QAM    | RB50#0                | 8.94                                  | 9.82                                      | Pass             |
|           |                |              | 64-QAM    | RB50#0                | 8.95                                  | 9.82                                      | Pass             |
|           |                | MCH          | QPSK      | RB50#0                | 8.97                                  | 9.86                                      | Pass             |
|           |                |              | 16-QAM    | RB50#0                | 8.93                                  | 9.81                                      | Pass             |
|           |                |              | 64-QAM    | RB50#0                | 8.94                                  | 9.89                                      | Pass             |
|           |                | HCH          | QPSK      | RB50#0                | 8.95                                  | 9.86                                      | Pass             |
|           |                |              | 16-QAM    | RB50#0                | 8.93                                  | 9.81                                      | Pass             |
|           |                |              | 64-QAM    | RB50#0                | 8.97                                  | 9.84                                      | Pass             |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.4                                  | 14.68                                     | Pass             |
|           |                |              | 16-QAM    | RB75#0                | 13.41                                 | 14.79                                     | Pass             |

|  |        |     |        |         |       |       |      |
|--|--------|-----|--------|---------|-------|-------|------|
|  |        | MCH | 64-QAM | RB75#0  | 13.37 | 14.73 | Pass |
|  |        |     | QPSK   | RB75#0  | 13.39 | 14.65 | Pass |
|  |        |     | 16-QAM | RB75#0  | 13.4  | 14.8  | Pass |
|  |        |     | 64-QAM | RB75#0  | 13.37 | 14.67 | Pass |
|  |        | HCH | QPSK   | RB75#0  | 13.39 | 14.68 | Pass |
|  |        |     | 16-QAM | RB75#0  | 13.4  | 14.78 | Pass |
|  |        |     | 64-QAM | RB75#0  | 13.38 | 14.69 | Pass |
|  | 20 MHz | LCH | QPSK   | RB100#0 | 17.87 | 19.34 | Pass |
|  |        |     | 16-QAM | RB100#0 | 17.89 | 19.41 | Pass |
|  |        |     | 64-QAM | RB100#0 | 17.88 | 19.6  | Pass |
|  |        | MCH | QPSK   | RB100#0 | 17.83 | 19.48 | Pass |
|  |        |     | 16-QAM | RB100#0 | 17.85 | 19.37 | Pass |
|  |        |     | 64-QAM | RB100#0 | 17.85 | 19.52 | Pass |
|  |        | HCH | QPSK   | RB100#0 | 17.85 | 19.41 | Pass |
|  |        |     | 16-QAM | RB100#0 | 17.87 | 19.38 | Pass |
|  |        |     | 64-QAM | RB100#0 | 17.84 | 19.52 | Pass |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured - 26 dB Occupied Bandwidth (MHz) | Verdict<br>Note2 |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|-------------------------------------------|------------------|
| Band 5    | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.09                                  | 1.26                                      | Pass             |
|           |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.27                                      | Pass             |
|           |                |              | 64-QAM    | RB6#0                 | 1.09                                  | 1.27                                      | Pass             |
|           |                | MCH          | QPSK      | RB6#0                 | 1.09                                  | 1.26                                      | Pass             |
|           |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.26                                      | Pass             |
|           |                |              | 64-QAM    | RB6#0                 | 1.09                                  | 1.27                                      | Pass             |
|           |                | HCH          | QPSK      | RB6#0                 | 1.09                                  | 1.27                                      | Pass             |
|           |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.27                                      | Pass             |
|           |                |              | 64-QAM    | RB6#0                 | 1.09                                  | 1.27                                      | Pass             |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.69                                  | 2.96                                      | Pass             |
|           |                |              | 16-QAM    | RB15#0                | 2.69                                  | 2.98                                      | Pass             |
|           |                |              | 64-QAM    | RB15#0                | 2.69                                  | 2.96                                      | Pass             |
|           |                | MCH          | QPSK      | RB15#0                | 2.69                                  | 2.96                                      | Pass             |
|           |                |              | 16-QAM    | RB15#0                | 2.69                                  | 2.99                                      | Pass             |
|           |                |              | 64-QAM    | RB15#0                | 2.69                                  | 2.96                                      | Pass             |
|           |                | HCH          | QPSK      | RB15#0                | 2.69                                  | 2.96                                      | Pass             |
|           |                |              | 16-QAM    | RB15#0                | 2.69                                  | 2.98                                      | Pass             |
|           |                |              | 64-QAM    | RB15#0                | 2.69                                  | 2.96                                      | Pass             |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.48                                  | 5.02                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.48                                  | 4.97                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.49                                  | 5                                         | Pass             |
|           |                | MCH          | QPSK      | RB25#0                | 4.48                                  | 4.98                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.47                                  | 4.99                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.48                                  | 5                                         | Pass             |
|           |                | HCH          | QPSK      | RB25#0                | 4.48                                  | 4.97                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.48                                  | 4.97                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.48                                  | 5                                         | Pass             |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.97                                  | 9.86                                      | Pass             |
|           |                |              | 16-QAM    | RB50#0                | 8.94                                  | 9.77                                      | Pass             |
|           |                |              | 64-QAM    | RB50#0                | 8.97                                  | 9.84                                      | Pass             |
|           |                | MCH          | QPSK      | RB50#0                | 8.94                                  | 9.87                                      | Pass             |
|           |                |              | 16-QAM    | RB50#0                | 8.93                                  | 9.75                                      | Pass             |
|           |                |              | 64-QAM    | RB50#0                | 8.94                                  | 9.81                                      | Pass             |
|           |                | HCH          | QPSK      | RB50#0                | 8.96                                  | 9.88                                      | Pass             |
|           |                |              | 16-QAM    | RB50#0                | 8.94                                  | 9.8                                       | Pass             |
|           |                |              | 64-QAM    | RB50#0                | 8.97                                  | 9.91                                      | Pass             |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured - 26 dB Occupied Bandwidth (MHz) | Verdict<br>Note2 |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|-------------------------------------------|------------------|
| Band 7    | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.48                                  | 5.02                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.48                                  | 4.97                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.49                                  | 4.96                                      | Pass             |
|           |                | MCH          | QPSK      | RB25#0                | 4.48                                  | 4.99                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.48                                  | 4.97                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.49                                  | 4.98                                      | Pass             |
|           |                | HCH          | QPSK      | RB25#0                | 4.48                                  | 5.01                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.48                                  | 4.96                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.48                                  | 4.96                                      | Pass             |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.96                                  | 9.88                                      | Pass             |
|           |                |              | 16-QAM    | RB50#0                | 8.95                                  | 9.82                                      | Pass             |
|           |                |              | 64-QAM    | RB50#0                | 8.96                                  | 9.81                                      | Pass             |
|           |                | MCH          | QPSK      | RB50#0                | 8.95                                  | 9.9                                       | Pass             |
|           |                |              | 16-QAM    | RB50#0                | 8.93                                  | 9.81                                      | Pass             |
|           |                |              | 64-QAM    | RB50#0                | 8.96                                  | 9.84                                      | Pass             |
|           |                | HCH          | QPSK      | RB50#0                | 8.98                                  | 9.8                                       | Pass             |
|           |                |              | 16-QAM    | RB50#0                | 8.95                                  | 9.82                                      | Pass             |
|           |                |              | 64-QAM    | RB50#0                | 8.96                                  | 9.82                                      | Pass             |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.41                                 | 14.67                                     | Pass             |
|           |                |              | 16-QAM    | RB75#0                | 13.42                                 | 14.77                                     | Pass             |
|           |                |              | 64-QAM    | RB75#0                | 13.38                                 | 14.69                                     | Pass             |
|           |                | MCH          | QPSK      | RB75#0                | 13.4                                  | 14.62                                     | Pass             |
|           |                |              | 16-QAM    | RB75#0                | 13.42                                 | 14.78                                     | Pass             |
|           |                |              | 64-QAM    | RB75#0                | 13.39                                 | 14.69                                     | Pass             |
|           |                | HCH          | QPSK      | RB75#0                | 13.4                                  | 14.66                                     | Pass             |
|           |                |              | 16-QAM    | RB75#0                | 13.42                                 | 14.77                                     | Pass             |
|           |                |              | 64-QAM    | RB75#0                | 13.39                                 | 14.72                                     | Pass             |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.89                                 | 19.28                                     | Pass             |
|           |                |              | 16-QAM    | RB100#0               | 17.91                                 | 19.47                                     | Pass             |
|           |                |              | 64-QAM    | RB100#0               | 17.88                                 | 19.53                                     | Pass             |
|           |                | MCH          | QPSK      | RB100#0               | 17.85                                 | 19.48                                     | Pass             |
|           |                |              | 16-QAM    | RB100#0               | 17.9                                  | 19.41                                     | Pass             |
|           |                |              | 64-QAM    | RB100#0               | 17.88                                 | 19.51                                     | Pass             |
|           |                | HCH          | QPSK      | RB100#0               | 17.86                                 | 19.37                                     | Pass             |
|           |                |              | 16-QAM    | RB100#0               | 17.9                                  | 19.42                                     | Pass             |
|           |                |              | 64-QAM    | RB100#0               | 17.89                                 | 19.41                                     | Pass             |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured - 26 dB Occupied Bandwidth (MHz) | Verdict<br>Note2 |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|-------------------------------------------|------------------|
| Band 13   | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.48                                  | 4.98                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.47                                  | 4.98                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.48                                  | 4.95                                      | Pass             |
|           |                | MCH          | QPSK      | RB25#0                | 4.48                                  | 5                                         | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.47                                  | 4.97                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.49                                  | 5                                         | Pass             |
|           |                | HCH          | QPSK      | RB25#0                | 4.48                                  | 4.98                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.48                                  | 4.97                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.49                                  | 5                                         | Pass             |
|           | 10 MHz         | MCH          | QPSK      | RB50#0                | 8.97                                  | 9.84                                      | Pass             |
|           |                |              | 16-QAM    | RB50#0                | 8.94                                  | 9.8                                       | Pass             |
|           |                |              | 64-QAM    | RB50#0                | 8.96                                  | 9.82                                      | Pass             |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured - 26 dB Occupied Bandwidth (MHz) | Verdict<br>Note2 |
|------------------|----------------|--------------|-----------|-----------------------|---------------------------------------|-------------------------------------------|------------------|
| Band 18 (Part22) | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.48                                  | 4.98                                      | Pass             |
|                  |                |              | 16-QAM    | RB25#0                | 4.48                                  | 4.97                                      | Pass             |
|                  |                |              | 64-QAM    | RB25#0                | 4.49                                  | 5                                         | Pass             |
|                  |                | MCH          | QPSK      | RB25#0                | 4.48                                  | 4.98                                      | Pass             |
|                  |                |              | 16-QAM    | RB25#0                | 4.48                                  | 4.98                                      | Pass             |
|                  |                |              | 64-QAM    | RB25#0                | 4.49                                  | 5                                         | Pass             |
|                  |                | HCH          | QPSK      | RB25#0                | 4.48                                  | 4.98                                      | Pass             |
|                  |                |              | 16-QAM    | RB25#0                | 4.48                                  | 4.97                                      | Pass             |
|                  |                |              | 64-QAM    | RB25#0                | 4.49                                  | 4.96                                      | Pass             |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured - 26 dB Occupied Bandwidth (MHz) | Verdict<br>Note2 |
|------------------|----------------|--------------|-----------|-----------------------|---------------------------------------|-------------------------------------------|------------------|
| Band 18 (Part90) | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.48                                  | 4.99                                      | Pass             |
|                  |                |              | 16-QAM    | RB25#0                | 4.47                                  | 4.98                                      | Pass             |
|                  |                |              | 64-QAM    | RB25#0                | 4.48                                  | 4.95                                      | Pass             |
|                  |                | MCH          | QPSK      | RB25#0                | 4.48                                  | 4.99                                      | Pass             |
|                  |                |              | 16-QAM    | RB25#0                | 4.48                                  | 4.99                                      | Pass             |
|                  |                |              | 64-QAM    | RB25#0                | 4.48                                  | 4.96                                      | Pass             |
|                  |                | HCH          | QPSK      | RB25#0                | 4.48                                  | 5                                         | Pass             |
|                  |                |              | 16-QAM    | RB25#0                | 4.47                                  | 4.98                                      | Pass             |
|                  |                |              | 64-QAM    | RB25#0                | 4.48                                  | 4.96                                      | Pass             |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured - 26 dB Occupied Bandwidth (MHz) | Verdict<br>Note2 |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|-------------------------------------------|------------------|
| Band 19   | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.49                                  | 4.96                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.47                                  | 4.97                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.48                                  | 4.98                                      | Pass             |
|           |                | MCH          | QPSK      | RB25#0                | 4.48                                  | 4.98                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.47                                  | 4.96                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.48                                  | 5                                         | Pass             |
|           |                | HCH          | QPSK      | RB25#0                | 4.48                                  | 4.99                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.48                                  | 4.97                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.49                                  | 4.98                                      | Pass             |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.96                                  | 9.86                                      | Pass             |
|           |                |              | 16-QAM    | RB50#0                | 8.92                                  | 9.75                                      | Pass             |
|           |                |              | 64-QAM    | RB50#0                | 8.95                                  | 9.81                                      | Pass             |
|           |                | MCH          | QPSK      | RB50#0                | 8.94                                  | 9.84                                      | Pass             |
|           |                |              | 16-QAM    | RB50#0                | 8.92                                  | 9.76                                      | Pass             |
|           |                |              | 64-QAM    | RB50#0                | 8.94                                  | 9.82                                      | Pass             |
|           |                | HCH          | QPSK      | RB50#0                | 8.96                                  | 9.88                                      | Pass             |
|           |                |              | 16-QAM    | RB50#0                | 8.91                                  | 9.77                                      | Pass             |
|           |                |              | 64-QAM    | RB50#0                | 8.96                                  | 9.84                                      | Pass             |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.36                                 | 14.62                                     | Pass             |
|           |                |              | 16-QAM    | RB75#0                | 13.36                                 | 14.73                                     | Pass             |
|           |                |              | 64-QAM    | RB75#0                | 13.36                                 | 14.59                                     | Pass             |
|           |                | MCH          | QPSK      | RB25#0                | 4.49                                  | 4.96                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.47                                  | 4.97                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.48                                  | 4.98                                      | Pass             |
|           |                | HCH          | QPSK      | RB25#0                | 4.48                                  | 4.98                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.47                                  | 4.96                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.48                                  | 5                                         | Pass             |

| Test Band           | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured - 26 dB Occupied Bandwidth (MHz) | Verdict<br>Note2 |
|---------------------|----------------|--------------|-----------|-----------------------|---------------------------------------|-------------------------------------------|------------------|
| Band 26<br>(Part22) | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.09                                  | 1.27                                      | Pass             |
|                     |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.27                                      | Pass             |
|                     |                |              | 64-QAM    | RB6#0                 | 1.09                                  | 1.28                                      | Pass             |
|                     |                | MCH          | QPSK      | RB6#0                 | 1.09                                  | 1.27                                      | Pass             |
|                     |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.27                                      | Pass             |
|                     |                |              | 64-QAM    | RB6#0                 | 1.09                                  | 1.27                                      | Pass             |
|                     |                | HCH          | QPSK      | RB6#0                 | 1.09                                  | 1.27                                      | Pass             |
|                     |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.27                                      | Pass             |
|                     |                |              | 64-QAM    | RB6#0                 | 1.09                                  | 1.27                                      | Pass             |
|                     | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.69                                  | 2.96                                      | Pass             |
|                     |                |              | 16-QAM    | RB15#0                | 2.69                                  | 2.98                                      | Pass             |
|                     |                |              | 64-QAM    | RB15#0                | 2.69                                  | 2.97                                      | Pass             |
|                     |                | MCH          | QPSK      | RB15#0                | 2.69                                  | 2.99                                      | Pass             |
|                     |                |              | 16-QAM    | RB15#0                | 2.69                                  | 2.99                                      | Pass             |
|                     |                |              | 64-QAM    | RB15#0                | 2.69                                  | 2.97                                      | Pass             |
|                     |                | HCH          | QPSK      | RB15#0                | 2.69                                  | 2.96                                      | Pass             |
|                     |                |              | 16-QAM    | RB15#0                | 2.69                                  | 2.99                                      | Pass             |
|                     |                |              | 64-QAM    | RB15#0                | 2.68                                  | 2.98                                      | Pass             |
|                     | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.49                                  | 5.02                                      | Pass             |
|                     |                |              | 16-QAM    | RB25#0                | 4.47                                  | 4.98                                      | Pass             |
|                     |                |              | 64-QAM    | RB25#0                | 4.49                                  | 5                                         | Pass             |
|                     |                | MCH          | QPSK      | RB25#0                | 4.47                                  | 4.98                                      | Pass             |
|                     |                |              | 16-QAM    | RB25#0                | 4.47                                  | 4.98                                      | Pass             |
|                     |                |              | 64-QAM    | RB25#0                | 4.49                                  | 4.95                                      | Pass             |
|                     |                | HCH          | QPSK      | RB25#0                | 4.48                                  | 4.97                                      | Pass             |
|                     |                |              | 16-QAM    | RB25#0                | 4.47                                  | 4.97                                      | Pass             |
|                     |                |              | 64-QAM    | RB25#0                | 4.49                                  | 5                                         | Pass             |
|                     | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.98                                  | 9.83                                      | Pass             |
|                     |                |              | 16-QAM    | RB50#0                | 8.94                                  | 9.77                                      | Pass             |
|                     |                |              | 64-QAM    | RB50#0                | 8.97                                  | 9.83                                      | Pass             |
|                     |                | MCH          | QPSK      | RB50#0                | 8.95                                  | 9.86                                      | Pass             |
|                     |                |              | 16-QAM    | RB50#0                | 8.92                                  | 9.76                                      | Pass             |
|                     |                |              | 64-QAM    | RB50#0                | 8.94                                  | 9.82                                      | Pass             |
|                     |                | HCH          | QPSK      | RB50#0                | 8.97                                  | 9.91                                      | Pass             |
|                     |                |              | 16-QAM    | RB50#0                | 8.93                                  | 9.79                                      | Pass             |
|                     |                |              | 64-QAM    | RB50#0                | 8.96                                  | 9.91                                      | Pass             |
|                     | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.39                                 | 14.62                                     | Pass             |
|                     |                |              | 16-QAM    | RB75#0                | 13.4                                  | 14.77                                     | Pass             |

|  |  |     |        |        |       |       |      |
|--|--|-----|--------|--------|-------|-------|------|
|  |  |     | 64-QAM | RB75#0 | 13.38 | 14.79 | Pass |
|  |  | MCH | QPSK   | RB75#0 | 13.37 | 14.58 | Pass |
|  |  |     | 16-QAM | RB75#0 | 13.37 | 14.64 | Pass |
|  |  |     | 64-QAM | RB75#0 | 13.34 | 14.49 | Pass |
|  |  | HCH | QPSK   | RB75#0 | 13.4  | 14.62 | Pass |
|  |  |     | 16-QAM | RB75#0 | 13.4  | 14.64 | Pass |
|  |  |     | 64-QAM | RB75#0 | 13.39 | 14.67 | Pass |

| Test Band           | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured - 26 dB Occupied Bandwidth (MHz) | Verdict<br>Note2 |
|---------------------|----------------|--------------|-----------|-----------------------|---------------------------------------|-------------------------------------------|------------------|
| Band 26<br>(Part90) | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.09                                  | 1.27                                      | Pass             |
|                     |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.27                                      | Pass             |
|                     |                |              | 64-QAM    | RB6#0                 | 1.09                                  | 1.28                                      | Pass             |
|                     |                | MCH          | QPSK      | RB6#0                 | 1.09                                  | 1.26                                      | Pass             |
|                     |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.27                                      | Pass             |
|                     |                |              | 64-QAM    | RB6#0                 | 1.09                                  | 1.28                                      | Pass             |
|                     |                | HCH          | QPSK      | RB6#0                 | 1.09                                  | 1.27                                      | Pass             |
|                     |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.27                                      | Pass             |
|                     |                |              | 64-QAM    | RB6#0                 | 1.09                                  | 1.28                                      | Pass             |
|                     | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.69                                  | 2.95                                      | Pass             |
|                     |                |              | 16-QAM    | RB15#0                | 2.69                                  | 2.98                                      | Pass             |
|                     |                |              | 64-QAM    | RB15#0                | 2.69                                  | 2.97                                      | Pass             |
|                     |                | MCH          | QPSK      | RB15#0                | 2.69                                  | 2.97                                      | Pass             |
|                     |                |              | 16-QAM    | RB15#0                | 2.69                                  | 2.98                                      | Pass             |
|                     |                |              | 64-QAM    | RB15#0                | 2.69                                  | 2.96                                      | Pass             |
|                     |                | HCH          | QPSK      | RB15#0                | 2.69                                  | 2.98                                      | Pass             |
|                     |                |              | 16-QAM    | RB15#0                | 2.69                                  | 2.99                                      | Pass             |
|                     |                |              | 64-QAM    | RB15#0                | 2.69                                  | 2.97                                      | Pass             |
|                     | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.48                                  | 4.99                                      | Pass             |
|                     |                |              | 16-QAM    | RB25#0                | 4.47                                  | 4.97                                      | Pass             |
|                     |                |              | 64-QAM    | RB25#0                | 4.48                                  | 4.95                                      | Pass             |
|                     |                | MCH          | QPSK      | RB25#0                | 4.48                                  | 4.99                                      | Pass             |
|                     |                |              | 16-QAM    | RB25#0                | 4.47                                  | 4.97                                      | Pass             |
|                     |                |              | 64-QAM    | RB25#0                | 4.49                                  | 5                                         | Pass             |
|                     |                | HCH          | QPSK      | RB25#0                | 4.48                                  | 4.98                                      | Pass             |
|                     |                |              | 16-QAM    | RB25#0                | 4.47                                  | 4.96                                      | Pass             |
|                     |                |              | 64-QAM    | RB25#0                | 4.49                                  | 5                                         | Pass             |
|                     | 10 MHz         | MCH          | QPSK      | RB50#0                | 8.96                                  | 9.88                                      | Pass             |
|                     |                |              | 16-QAM    | RB50#0                | 8.92                                  | 9.78                                      | Pass             |
|                     |                |              | 64-QAM    | RB50#0                | 8.94                                  | 9.82                                      | Pass             |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured - 26 dB Occupied Bandwidth (MHz) | Verdict<br>Note2 |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|-------------------------------------------|------------------|
| Band 38   | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.5                                   | 5.27                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.49                                  | 5.04                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.49                                  | 4.97                                      | Pass             |
|           |                | MCH          | QPSK      | RB25#0                | 4.5                                   | 5.28                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.49                                  | 5.03                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.49                                  | 4.99                                      | Pass             |
|           |                | HCH          | QPSK      | RB25#0                | 4.5                                   | 5.28                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.49                                  | 5.01                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.49                                  | 5.02                                      | Pass             |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.96                                  | 9.91                                      | Pass             |
|           |                |              | 16-QAM    | RB50#0                | 8.94                                  | 9.94                                      | Pass             |
|           |                |              | 64-QAM    | RB50#0                | 8.96                                  | 9.85                                      | Pass             |
|           |                | MCH          | QPSK      | RB50#0                | 8.97                                  | 9.92                                      | Pass             |
|           |                |              | 16-QAM    | RB50#0                | 8.93                                  | 9.94                                      | Pass             |
|           |                |              | 64-QAM    | RB50#0                | 8.96                                  | 9.85                                      | Pass             |
|           |                | HCH          | QPSK      | RB50#0                | 8.97                                  | 9.93                                      | Pass             |
|           |                |              | 16-QAM    | RB50#0                | 8.94                                  | 9.89                                      | Pass             |
|           |                |              | 64-QAM    | RB50#0                | 8.98                                  | 9.85                                      | Pass             |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.44                                 | 15.08                                     | Pass             |
|           |                |              | 16-QAM    | RB75#0                | 13.42                                 | 14.78                                     | Pass             |
|           |                |              | 64-QAM    | RB75#0                | 13.43                                 | 14.77                                     | Pass             |
|           |                | MCH          | QPSK      | RB75#0                | 13.43                                 | 15.04                                     | Pass             |
|           |                |              | 16-QAM    | RB75#0                | 13.43                                 | 14.8                                      | Pass             |
|           |                |              | 64-QAM    | RB75#0                | 13.43                                 | 14.83                                     | Pass             |
|           |                | HCH          | QPSK      | RB75#0                | 13.44                                 | 14.98                                     | Pass             |
|           |                |              | 16-QAM    | RB75#0                | 13.43                                 | 14.76                                     | Pass             |
|           |                |              | 64-QAM    | RB75#0                | 13.43                                 | 14.83                                     | Pass             |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.9                                  | 19.94                                     | Pass             |
|           |                |              | 16-QAM    | RB100#0               | 17.92                                 | 20.97                                     | Pass             |
|           |                |              | 64-QAM    | RB100#0               | 17.9                                  | 19.8                                      | Pass             |
|           |                | MCH          | QPSK      | RB100#0               | 17.9                                  | 19.89                                     | Pass             |
|           |                |              | 16-QAM    | RB100#0               | 17.93                                 | 21.04                                     | Pass             |
|           |                |              | 64-QAM    | RB100#0               | 17.89                                 | 19.65                                     | Pass             |
|           |                | HCH          | QPSK      | RB100#0               | 17.9                                  | 19.86                                     | Pass             |
|           |                |              | 16-QAM    | RB100#0               | 17.91                                 | 20.97                                     | Pass             |
|           |                |              | 64-QAM    | RB100#0               | 17.9                                  | 19.9                                      | Pass             |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured - 26 dB Occupied Bandwidth (MHz) | Verdict<br>Note2 |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|-------------------------------------------|------------------|
| Band 41   | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.51                                  | 5.38                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.5                                   | 6.29                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.5                                   | 4.96                                      | Pass             |
|           |                | MCH          | QPSK      | RB25#0                | 4.5                                   | 5.25                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.49                                  | 5.03                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.49                                  | 5                                         | Pass             |
|           |                | HCH          | QPSK      | RB25#0                | 4.5                                   | 5.39                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.5                                   | 5.16                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.5                                   | 5.01                                      | Pass             |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.99                                  | 10.06                                     | Pass             |
|           |                |              | 16-QAM    | RB50#0                | 8.97                                  | 11.82                                     | Pass             |
|           |                |              | 64-QAM    | RB50#0                | 9                                     | 9.89                                      | Pass             |
|           |                | MCH          | QPSK      | RB50#0                | 8.98                                  | 9.96                                      | Pass             |
|           |                |              | 16-QAM    | RB50#0                | 8.94                                  | 9.83                                      | Pass             |
|           |                |              | 64-QAM    | RB50#0                | 8.98                                  | 9.86                                      | Pass             |
|           |                | HCH          | QPSK      | RB50#0                | 8.97                                  | 9.96                                      | Pass             |
|           |                |              | 16-QAM    | RB50#0                | 8.95                                  | 9.93                                      | Pass             |
|           |                |              | 64-QAM    | RB50#0                | 8.98                                  | 9.88                                      | Pass             |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.48                                 | 15.35                                     | Pass             |
|           |                |              | 16-QAM    | RB75#0                | 13.46                                 | 15.23                                     | Pass             |
|           |                |              | 64-QAM    | RB75#0                | 13.43                                 | 14.75                                     | Pass             |
|           |                | MCH          | QPSK      | RB75#0                | 13.43                                 | 14.89                                     | Pass             |
|           |                |              | 16-QAM    | RB75#0                | 13.42                                 | 14.77                                     | Pass             |
|           |                |              | 64-QAM    | RB75#0                | 13.41                                 | 14.74                                     | Pass             |
|           |                | HCH          | QPSK      | RB75#0                | 13.44                                 | 14.8                                      | Pass             |
|           |                |              | 16-QAM    | RB75#0                | 13.44                                 | 14.74                                     | Pass             |
|           |                |              | 64-QAM    | RB75#0                | 13.42                                 | 14.76                                     | Pass             |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.93                                 | 21.62                                     | Pass             |
|           |                |              | 16-QAM    | RB100#0               | 17.94                                 | 23.41                                     | Pass             |
|           |                |              | 64-QAM    | RB100#0               | 17.9                                  | 20.11                                     | Pass             |
|           |                | MCH          | QPSK      | RB100#0               | 17.88                                 | 19.93                                     | Pass             |
|           |                |              | 16-QAM    | RB100#0               | 17.9                                  | 20.82                                     | Pass             |
|           |                |              | 64-QAM    | RB100#0               | 17.89                                 | 20.15                                     | Pass             |
|           |                | HCH          | QPSK      | RB100#0               | 17.9                                  | 19.87                                     | Pass             |
|           |                |              | 16-QAM    | RB100#0               | 17.91                                 | 21.3                                      | Pass             |
|           |                |              | 64-QAM    | RB100#0               | 17.9                                  | 20.3                                      | Pass             |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured - 26 dB Occupied Bandwidth (MHz) | Verdict<br>Note2 |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|-------------------------------------------|------------------|
| Band 66   | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.09                                  | 1.27                                      | Pass             |
|           |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.3                                       | Pass             |
|           |                |              | 64-QAM    | RB6#0                 | 1.09                                  | 1.29                                      | Pass             |
|           |                | MCH          | QPSK      | RB6#0                 | 1.09                                  | 1.29                                      | Pass             |
|           |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.29                                      | Pass             |
|           |                |              | 64-QAM    | RB6#0                 | 1.09                                  | 1.29                                      | Pass             |
|           |                | HCH          | QPSK      | RB6#0                 | 1.09                                  | 1.28                                      | Pass             |
|           |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.3                                       | Pass             |
|           |                |              | 64-QAM    | RB6#0                 | 1.09                                  | 1.28                                      | Pass             |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.69                                  | 2.97                                      | Pass             |
|           |                |              | 16-QAM    | RB15#0                | 2.69                                  | 2.99                                      | Pass             |
|           |                |              | 64-QAM    | RB15#0                | 2.69                                  | 2.97                                      | Pass             |
|           |                | MCH          | QPSK      | RB15#0                | 2.69                                  | 2.99                                      | Pass             |
|           |                |              | 16-QAM    | RB15#0                | 2.69                                  | 2.99                                      | Pass             |
|           |                |              | 64-QAM    | RB15#0                | 2.69                                  | 2.96                                      | Pass             |
|           |                | HCH          | QPSK      | RB15#0                | 2.69                                  | 2.98                                      | Pass             |
|           |                |              | 16-QAM    | RB15#0                | 2.69                                  | 2.99                                      | Pass             |
|           |                |              | 64-QAM    | RB15#0                | 2.69                                  | 2.96                                      | Pass             |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.49                                  | 5.05                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.47                                  | 4.97                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.49                                  | 4.96                                      | Pass             |
|           |                | MCH          | QPSK      | RB25#0                | 4.48                                  | 5.03                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.47                                  | 4.97                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.49                                  | 5                                         | Pass             |
|           |                | HCH          | QPSK      | RB25#0                | 4.48                                  | 5.01                                      | Pass             |
|           |                |              | 16-QAM    | RB25#0                | 4.47                                  | 4.98                                      | Pass             |
|           |                |              | 64-QAM    | RB25#0                | 4.49                                  | 5                                         | Pass             |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.95                                  | 9.9                                       | Pass             |
|           |                |              | 16-QAM    | RB50#0                | 8.93                                  | 9.81                                      | Pass             |
|           |                |              | 64-QAM    | RB50#0                | 8.95                                  | 9.82                                      | Pass             |
|           |                | MCH          | QPSK      | RB50#0                | 8.96                                  | 9.87                                      | Pass             |
|           |                |              | 16-QAM    | RB50#0                | 8.93                                  | 9.81                                      | Pass             |
|           |                |              | 64-QAM    | RB50#0                | 8.95                                  | 9.82                                      | Pass             |
|           |                | HCH          | QPSK      | RB50#0                | 8.95                                  | 9.86                                      | Pass             |
|           |                |              | 16-QAM    | RB50#0                | 8.93                                  | 9.81                                      | Pass             |
|           |                |              | 64-QAM    | RB50#0                | 8.94                                  | 9.82                                      | Pass             |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.41                                 | 14.72                                     | Pass             |
|           |                |              | 16-QAM    | RB75#0                | 13.4                                  | 14.84                                     | Pass             |

|  |        |     |        |         |       |       |      |
|--|--------|-----|--------|---------|-------|-------|------|
|  |        | MCH | 64-QAM | RB75#0  | 13.37 | 14.76 | Pass |
|  |        |     | QPSK   | RB75#0  | 13.39 | 14.64 | Pass |
|  |        |     | 16-QAM | RB75#0  | 13.39 | 14.82 | Pass |
|  |        | HCH | 64-QAM | RB75#0  | 13.37 | 14.64 | Pass |
|  |        |     | QPSK   | RB75#0  | 13.39 | 14.71 | Pass |
|  |        |     | 16-QAM | RB75#0  | 13.39 | 14.77 | Pass |
|  | 20 MHz | LCH | 64-QAM | RB75#0  | 13.37 | 14.75 | Pass |
|  |        |     | QPSK   | RB100#0 | 17.88 | 19.45 | Pass |
|  |        |     | 16-QAM | RB100#0 | 17.9  | 19.47 | Pass |
|  |        | MCH | 64-QAM | RB100#0 | 17.88 | 19.6  | Pass |
|  |        |     | QPSK   | RB100#0 | 17.83 | 19.48 | Pass |
|  |        |     | 16-QAM | RB100#0 | 17.89 | 19.36 | Pass |
|  |        | HCH | 64-QAM | RB100#0 | 17.85 | 19.51 | Pass |
|  |        |     | QPSK   | RB100#0 | 17.85 | 19.44 | Pass |
|  |        |     | 16-QAM | RB100#0 | 17.87 | 19.41 | Pass |
|  |        |     | 64-QAM | RB100#0 | 17.87 | 19.46 | Pass |

## A.4 Frequency Stability

GSM 850

| Test Conditions |                  | Frequency Deviation |             |                  |             |                  |             | Verdict |
|-----------------|------------------|---------------------|-------------|------------------|-------------|------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | LCH<br>824.2 MHz    |             | MCH<br>836.6 MHz |             | HCH<br>848.8 MHz |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) | Value (Hz)       | Limits (Hz) | Value (Hz)       | Limits (Hz) |         |
| 3.88            | -30              | 7.33                | ±2060.5     | 9.27             | ±2091.5     | 7.39             | ±2122       | Pass    |
|                 | -20              | -3.03               |             | -4.1             |             | 14.59            |             |         |
|                 | -10              | 5.59                |             | 6.17             |             | 6.72             |             |         |
|                 | 0                | 6.52                |             | -5.23            |             | -4.78            |             |         |
|                 | 10               | -3.84               |             | 6.46             |             | 5.42             |             |         |
|                 | 20               | 8.98                |             | 5.62             |             | 3                |             |         |
|                 | 25               | 7.78                |             | 4.07             |             | -6.88            |             |         |
|                 | 30               | 4.04                |             | 6.36             |             | 4.16             |             |         |
|                 | 40               | 5.78                |             | -3.58            |             | -6.52            |             |         |
|                 | 50               | -5.46               |             | 3.03             |             | -2.1             |             |         |
| 4.48V           | 25               | 9.4                 |             | 9.17             |             | 6.81             |             |         |
| 3.3V            | 25               | 6.1                 |             | 6.26             |             | 5.71             |             |         |

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) |         |
| 3.88            | -30              | -8.07               | ±4625.5     | -14.85          | ±4700.0     | -12.62            | ±4774.5     | Pass    |
|                 | -20              | -16.37              |             | -21.57          |             | -16.66            |             |         |
|                 | -10              | -24.12              |             | -21.5           |             | -20.18            |             |         |
|                 | 0                | -19.73              |             | -20.82          |             | -14.72            |             |         |
|                 | 10               | -25.67              |             | -23.86          |             | -16.89            |             |         |
|                 | 20               | -20.37              |             | -18.24          |             | -15.01            |             |         |
|                 | 25               | -18.08              |             | -24.02          |             | -15.4             |             |         |
|                 | 30               | -20.95              |             | -19.15          |             | -17.66            |             |         |
|                 | 40               | -17.31              |             | -18.21          |             | -17.6             |             |         |
|                 | 50               | -19.6               |             | -23.96          |             | -19.73            |             |         |
| 4.48V           | 25               | -21.6               |             | -27.09          |             | -24.89            |             |         |
| 3.3V            | 25               | -21.37              |             | -20.66          |             | -16.82            |             |         |

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) |         |
| 3.88            | -30              | 18.37               | ±2060.5     | 17.69            | ±2091.5     | 14.82            | ±2122       | Pass    |
|                 | -20              | 16.89               |             | 16.76            |             | 17.92            |             |         |
|                 | -10              | 17.63               |             | 16.98            |             | 15.69            |             |         |
|                 | 0                | 17.05               |             | 15.24            |             | 16.47            |             |         |
|                 | 10               | 18.05               |             | 14.21            |             | 15.11            |             |         |
|                 | 20               | 20.05               |             | 21.11            |             | 19.95            |             |         |
|                 | 25               | 16.47               |             | 16.53            |             | 15.63            |             |         |
|                 | 30               | 19.6                |             | 18.14            |             | 19.57            |             |         |
|                 | 40               | 18.02               |             | 17.79            |             | 17.5             |             |         |
|                 | 50               | 18.89               |             | 17.11            |             | 17.21            |             |         |
| 4.48V           | 25               | 17.47               |             | 18.05            |             | 18.79            |             |         |
| 3.3V            | 25               | 17.05               |             | 16.76            |             | 18.18            |             |         |

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) |         |
| 3.88            | -30              | -9.07               | ±4625.5     | -10.17          | ±4700.0     | -7.52             | ±4774.5     | Pass    |
|                 | -20              | -8.98               |             | -8.01           |             | -2.71             |             |         |
|                 | -10              | -9.17               |             | -14.88          |             | 5.97              |             |         |
|                 | 0                | -4.91               |             | -10.72          |             | -16.3             |             |         |
|                 | 10               | -8.94               |             | -10.82          |             | -4.29             |             |         |
|                 | 20               | 5.17                |             | -7.39           |             | 3.97              |             |         |
|                 | 25               | -6.46               |             | -7.72           |             | 4.78              |             |         |
|                 | 30               | 6.68                |             | -8.59           |             | 9.23              |             |         |
|                 | 40               | -10.75              |             | -8.49           |             | -7.3              |             |         |
|                 | 50               | 5.36                |             | -9.14           |             | -7.55             |             |         |
| 4.48V           | 25               | -6.81               |             | -6.1            |             | 3.84              |             |         |
| 3.3V            | 25               | -12.11              |             | -9.1            |             | -5.84             |             |         |

## EGPRS 850

| Test Conditions |                  | Frequency Deviation |             |                  |             |                  |             | Verdict |
|-----------------|------------------|---------------------|-------------|------------------|-------------|------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | LCH<br>824.2 MHz    |             | MCH<br>836.6 MHz |             | HCH<br>848.8 MHz |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) | Value (Hz)       | Limits (Hz) | Value (Hz)       | Limits (Hz) |         |
| 3.88            | -30              | 23.54               | ±2060.5     | 20.02            | ±2091.5     | 22.92            | ±2122       | Pass    |
|                 | -20              | 26.15               |             | 20.86            |             | 20.6             |             |         |
|                 | -10              | 22.44               |             | 27.25            |             | 21.18            |             |         |
|                 | 0                | 20.63               |             | 21.66            |             | 21.11            |             |         |
|                 | 10               | 21.47               |             | 24.02            |             | 20.7             |             |         |
|                 | 20               | 24.05               |             | 21.76            |             | 20.73            |             |         |
|                 | 25               | 23.25               |             | 25.8             |             | 20.31            |             |         |
|                 | 30               | 21.7                |             | 23.15            |             | 22.37            |             |         |
|                 | 40               | 24.63               |             | 22.21            |             | 20.53            |             |         |
|                 | 50               | 23.96               |             | 23.99            |             | 19.82            |             |         |
| 4.48V           | 25               | 25.73               |             | 20.99            |             | 22.37            |             |         |
| 3.3V            | 25               | 23.63               |             | 18.6             |             | 20.34            |             |         |

## EGPRS 1900

| Test Conditions |                  | Frequency Deviation |             |                 |             |                   |             | Verdict |
|-----------------|------------------|---------------------|-------------|-----------------|-------------|-------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | LCH<br>1850.2 MHz   |             | MCH<br>1880 MHz |             | HCH<br>1909.8 MHz |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) | Value (Hz)      | Limits (Hz) | Value (Hz)        | Limits (Hz) |         |
| 3.88            | -30              | 6.97                | ±4625.5     | 8.91            | ±4700.0     | 11.2              | ±4774.5     | Pass    |
|                 | -20              | 6.78                |             | 7.33            |             | -6.23             |             |         |
|                 | -10              | 10.14               |             | 13.27           |             | -7.72             |             |         |
|                 | 0                | 8.52                |             | 12.07           |             | -6.75             |             |         |
|                 | 10               | -9.85               |             | 8.94            |             | 9.98              |             |         |
|                 | 20               | -9.3                |             | 7.07            |             | 9.49              |             |         |
|                 | 25               | 11.46               |             | 9.72            |             | -6.75             |             |         |
|                 | 30               | 8.39                |             | 7.91            |             | -4.97             |             |         |
|                 | 40               | 9.75                |             | 13.24           |             | -5.68             |             |         |
|                 | 50               | 8.72                |             | 8.88            |             | -7.39             |             |         |
| 4.48V           | 25               | 10.65               |             | 5.39            |             | -9.62             |             |         |
| 3.3V            | 25               | 11.46               |             | 9.23            |             | 5.84              |             |         |

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) |         |
| 3.88            | -30              | 2.49                | ±4631       | -0.04           | ±4700       | -1.35             | ±4769       | Pass    |
|                 | -20              | 2.05                |             | -0.31           |             | -1.26             |             |         |
|                 | -10              | 2.15                |             | 0.24            |             | -1.2              |             |         |
|                 | 0                | 1.42                |             | -1.16           |             | -2.13             |             |         |
|                 | 10               | 0.89                |             | -0.73           |             | -1.85             |             |         |
|                 | 20               | 0.74                |             | 0.06            |             | -1.76             |             |         |
|                 | 25               | 0.93                |             | 0.29            |             | -1.33             |             |         |
|                 | 30               | 0.29                |             | -0.42           |             | -1.57             |             |         |
|                 | 40               | 0.33                |             | -0.28           |             | -1.9              |             |         |
|                 | 50               | 0.19                |             | 0.08            |             | -1.72             |             |         |
| 4.48V           | 25               | 0.57                |             | -0.94           |             | -1.02             |             |         |
| 3.3V            | 25               | 1.02                |             | -1.01           |             | -1.67             |             |         |

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) |         |
| 3.88            | -30              | 6.37                | ±4281       | -0.52             | ±4331       | -2.12             | ±4381.5     | Pass    |
|                 | -20              | 5.26                |             | 0.1               |             | -2.12             |             |         |
|                 | -10              | 4.48                |             | -0.92             |             | -2.03             |             |         |
|                 | 0                | 5.37                |             | -0.78             |             | -1.67             |             |         |
|                 | 10               | 5.09                |             | -1.07             |             | -2.27             |             |         |
|                 | 20               | 5.7                 |             | -0.93             |             | -2.18             |             |         |
|                 | 25               | 4.24                |             | -4.11             |             | -1.2              |             |         |
|                 | 30               | 4.94                |             | 0.21              |             | -2.07             |             |         |
|                 | 40               | 4.09                |             | -1.7              |             | -2.39             |             |         |
|                 | 50               | 3.66                |             | -0.78             |             | -1.61             |             |         |
| 4.48V           | 25               | 3.99                |             | -0.9              |             | -1.86             |             |         |
| 3.3V            | 25               | 4.07                |             | -0.26             |             | -1.46             |             |         |

## WCDMA Band B5

| Test Conditions |                     | Frequency Deviation |                |                  |                |                  |                | Verdict |
|-----------------|---------------------|---------------------|----------------|------------------|----------------|------------------|----------------|---------|
| Power<br>(VDC)  | Temperature<br>(°C) | LCH<br>826.4 MHz    |                | MCH<br>836.4 MHz |                | HCH<br>846.6 MHz |                |         |
|                 |                     | Value<br>(Hz)       | Limits<br>(Hz) | Value<br>(Hz)    | Limits<br>(Hz) | Value<br>(Hz)    | Limits<br>(Hz) |         |
| 3.88            | -30                 | 0.36                | ±2066          | 0.2              | ±2091          | -0.12            | ±2116.5        | Pass    |
|                 | -20                 | 0.3                 |                | -0.34            |                | 0.14             |                |         |
|                 | -10                 | 0.15                |                | -0.35            |                | -0.26            |                |         |
|                 | 0                   | -0.55               |                | -0.14            |                | 0.06             |                |         |
|                 | 10                  | 0.23                |                | -0.07            |                | -0.39            |                |         |
|                 | 20                  | 0.49                |                | 0.01             |                | 0.09             |                |         |
|                 | 25                  | -0.2                |                | -0.21            |                | -0.11            |                |         |
|                 | 30                  | 0                   |                | -0.39            |                | -0.16            |                |         |
|                 | 40                  | 0.16                |                | 0.12             |                | 0.06             |                |         |
|                 | 50                  | -0.36               |                | 0.34             |                | -0.06            |                |         |
| 4.48V           | 25                  | -0.05               |                | 0.21             |                | 0.09             |                |         |
| 3.3V            | 25                  | -0.38               |                | 0.12             |                | -0.14            |                |         |

LTE Band 2 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1880 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | -1.34               | ±4700       | Pass    |
|                 | -20              | -3                  |             |         |
|                 | -10              | -1.5                |             |         |
|                 | 0                | -0.69               |             |         |
|                 | 10               | -2.32               |             |         |
|                 | 20               | -2.57               |             |         |
|                 | 25               | -1.97               |             |         |
|                 | 30               | -2.7                |             |         |
|                 | 40               | -1.75               |             |         |
|                 | 50               | -2.35               |             |         |
| 4.48V           | 25               | -1.19               |             |         |
| 3.3V            | 25               | -0.59               |             |         |

LTE Band 2 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1880 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | -2.4                | ±4700       | Pass    |
|                 | -20              | -2.12               |             |         |
|                 | -10              | -2.8                |             |         |
|                 | 0                | -2.22               |             |         |
|                 | 10               | -1.56               |             |         |
|                 | 20               | -2.16               |             |         |
|                 | 25               | -2.09               |             |         |
|                 | 30               | -1.49               |             |         |
|                 | 40               | -2.57               |             |         |
|                 | 50               | -2.8                |             |         |
| 4.48V           | 25               | -2                  |             |         |
| 3.3V            | 25               | -1.56               |             |         |

LTE Band 4 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1732.5 MHz   |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | -0.41               | ±4331.25    | Pass    |
|                 | -20              | 2.25                |             |         |
|                 | -10              | 1.9                 |             |         |
|                 | 0                | 1.85                |             |         |
|                 | 10               | 1.34                |             |         |
|                 | 20               | 0.62                |             |         |
|                 | 25               | 2.29                |             |         |
|                 | 30               | 2.6                 |             |         |
|                 | 40               | 1.5                 |             |         |
|                 | 50               | 2.39                |             |         |
| 4.48V           | 25               | 1.62                |             |         |
| 3.3V            | 25               | 2.5                 |             |         |

LTE Band 4 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1732.5 MHz   |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | 1.24                | ±4331.25    | Pass    |
|                 | -20              | 1.56                |             |         |
|                 | -10              | 1.65                |             |         |
|                 | 0                | 1.62                |             |         |
|                 | 10               | 1.87                |             |         |
|                 | 20               | 0                   |             |         |
|                 | 25               | 1.6                 |             |         |
|                 | 30               | 1.33                |             |         |
|                 | 40               | 2.88                |             |         |
|                 | 50               | 2.33                |             |         |
| 4.48V           | 25               | 1.62                |             |         |
| 3.3V            | 25               | 1.86                |             |         |

LTE Band 5 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>836.5 MHz    |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | 0.01                | ±2091.25    | Pass    |
|                 | -20              | 0.39                |             |         |
|                 | -10              | 1.19                |             |         |
|                 | 0                | 0.11                |             |         |
|                 | 10               | 0.83                |             |         |
|                 | 20               | 0.16                |             |         |
|                 | 25               | 0.26                |             |         |
|                 | 30               | 0.47                |             |         |
|                 | 40               | 1.03                |             |         |
|                 | 50               | 0.03                |             |         |
| 4.48V           | 25               | 1.59                |             |         |
| 3.3V            | 25               | 0.72                |             |         |

LTE Band 5 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>836.5 MHz    |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | -0.1                | ±2091.25    | Pass    |
|                 | -20              | 0.9                 |             |         |
|                 | -10              | 0.99                |             |         |
|                 | 0                | 1.44                |             |         |
|                 | 10               | 0.62                |             |         |
|                 | 20               | -0.29               |             |         |
|                 | 25               | 0.72                |             |         |
|                 | 30               | 0.89                |             |         |
|                 | 40               | 0.77                |             |         |
|                 | 50               | 0.49                |             |         |
| 4.48V           | 25               | 0.73                |             |         |
| 3.3V            | 25               | 0.09                |             |         |

LTE Band 7 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2535 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | -1.02               | ±6337.5     | Pass    |
|                 | -20              | -3.16               |             |         |
|                 | -10              | -1.76               |             |         |
|                 | 0                | -0.99               |             |         |
|                 | 10               | -2.43               |             |         |
|                 | 20               | -1.04               |             |         |
|                 | 25               | -0.39               |             |         |
|                 | 30               | -0.62               |             |         |
|                 | 40               | -1.06               |             |         |
|                 | 50               | -3.1                |             |         |
| 4.48V           | 25               | -2.62               |             |         |
| 3.3V            | 25               | -0.44               |             |         |

LTE Band 7 16-QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2535 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | -0.59               | ±6337.5     | Pass    |
|                 | -20              | -0.63               |             |         |
|                 | -10              | -2.26               |             |         |
|                 | 0                | -2.6                |             |         |
|                 | 10               | -1.75               |             |         |
|                 | 20               | -1.95               |             |         |
|                 | 25               | -2.19               |             |         |
|                 | 30               | -2.39               |             |         |
|                 | 40               | -2.05               |             |         |
|                 | 50               | -2.83               |             |         |
| 4.48V           | 25               | -0.14               |             |         |
| 3.3V            | 25               | -0.56               |             |         |

LTE Band 13 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>782 MHz      |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | 0.87                | ±1955       | Pass    |
|                 | -20              | 1.53                |             |         |
|                 | -10              | 1.23                |             |         |
|                 | 0                | 0.49                |             |         |
|                 | 10               | 0.57                |             |         |
|                 | 20               | 1.7                 |             |         |
|                 | 25               | 0.66                |             |         |
|                 | 30               | 0.59                |             |         |
|                 | 40               | -0.03               |             |         |
|                 | 50               | 1.1                 |             |         |
| 4.48V           | 25               | 1.46                | ±1955       | Pass    |
| 3.3V            | 25               | 0.24                |             |         |

LTE Band 13 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>782 MHz      |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | 1.12                | ±1955       | Pass    |
|                 | -20              | 1.09                |             |         |
|                 | -10              | 1.2                 |             |         |
|                 | 0                | 1.09                |             |         |
|                 | 10               | 0.83                |             |         |
|                 | 20               | -0.01               |             |         |
|                 | 25               | 0.73                |             |         |
|                 | 30               | 0.4                 |             |         |
|                 | 40               | 0.14                |             |         |
|                 | 50               | 0.53                |             |         |
| 4.48V           | 25               | 1                   | ±1955       | Pass    |
| 3.3V            | 25               | 0.93                |             |         |

LTE Band 18 (Part22) QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>819.5MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | 2.43                | ±2,048.75   | Pass    |
|                 | -20              | 2.52                |             |         |
|                 | -10              | 2.7                 |             |         |
|                 | 0                | 1.95                |             |         |
|                 | 10               | 2.92                |             |         |
|                 | 20               | 3.58                |             |         |
|                 | 25               | 3.95                |             |         |
|                 | 30               | 4.22                |             |         |
|                 | 40               | 3.43                |             |         |
|                 | 50               | 3.02                |             |         |
| 4.48V           | 25               | 1.53                |             |         |
| 3.3V            | 25               | 2.35                |             |         |

LTE Band 18 (Part22) 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>819.5MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | 2.39                | ±2,048.75   | Pass    |
|                 | -20              | 2.7                 |             |         |
|                 | -10              | 2.13                |             |         |
|                 | 0                | 2.96                |             |         |
|                 | 10               | 3.2                 |             |         |
|                 | 20               | 3.4                 |             |         |
|                 | 25               | 2.6                 |             |         |
|                 | 30               | 4.23                |             |         |
|                 | 40               | 3.66                |             |         |
|                 | 50               | 3.59                |             |         |
| 4.48V           | 25               | 1.69                |             |         |
| 3.3V            | 25               | 2.23                |             |         |

## LTE Band 18 (Part90) QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>827 MHz      |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | 1.24                | ±2,067.5    | Pass    |
|                 | -20              | 1.02                |             |         |
|                 | -10              | 0.59                |             |         |
|                 | 0                | 1.33                |             |         |
|                 | 10               | 1.43                |             |         |
|                 | 20               | 1.46                |             |         |
|                 | 25               | 1.19                |             |         |
|                 | 30               | 1.39                |             |         |
|                 | 40               | 1.54                |             |         |
|                 | 50               | 1.8                 |             |         |
| 4.48V           | 25               | 1.43                |             |         |
| 3.3V            | 25               | 1.67                |             |         |

## LTE Band 18 (Part90) 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>827 MHz      |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | 1.62                | ±2,067.5    | Pass    |
|                 | -20              | 0.26                |             |         |
|                 | -10              | 0.46                |             |         |
|                 | 0                | 0.6                 |             |         |
|                 | 10               | 0.83                |             |         |
|                 | 20               | 1.14                |             |         |
|                 | 25               | 1.73                |             |         |
|                 | 30               | 1.32                |             |         |
|                 | 40               | 1.65                |             |         |
|                 | 50               | 2.16                |             |         |
| 4.48V           | 25               | 1.76                |             |         |
| 3.3V            | 25               | 1.76                |             |         |

LTE Band 19 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>837.5 MHz    |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | 0.89                | ±2,093.75   | Pass    |
|                 | -20              | 2.09                |             |         |
|                 | -10              | 1.33                |             |         |
|                 | 0                | 0.16                |             |         |
|                 | 10               | 0.54                |             |         |
|                 | 20               | 0.97                |             |         |
|                 | 25               | 0.14                |             |         |
|                 | 30               | 1.33                |             |         |
|                 | 40               | 0.41                |             |         |
|                 | 50               | 1.09                |             |         |
| 4.48V           | 25               | 0.86                | ±2,093.75   | Pass    |
| 3.3V            | 25               | 1.53                |             |         |

LTE Band 19 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>837.5 MHz    |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | 1.34                | ±2,093.75   | Pass    |
|                 | -20              | 1.17                |             |         |
|                 | -10              | 1.03                |             |         |
|                 | 0                | 1.19                |             |         |
|                 | 10               | 0.9                 |             |         |
|                 | 20               | 0.13                |             |         |
|                 | 25               | 0.87                |             |         |
|                 | 30               | 1.27                |             |         |
|                 | 40               | 0.92                |             |         |
|                 | 50               | 0.72                |             |         |
| 4.48V           | 25               | 0.8                 | ±2,093.75   | Pass    |
| 3.3V            | 25               | 1.72                |             |         |

LTE Band 26 (Part22) QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>819 MHz      |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | -0.16               | ±2047.5     | Pass    |
|                 | -20              | 0.51                |             |         |
|                 | -10              | 0.07                |             |         |
|                 | 0                | 0.3                 |             |         |
|                 | 10               | 0.87                |             |         |
|                 | 20               | 1.07                |             |         |
|                 | 25               | 0.53                |             |         |
|                 | 30               | 0.74                |             |         |
|                 | 40               | 0.87                |             |         |
|                 | 50               | 1.22                |             |         |
| 4.48V           | 25               | 1.52                |             |         |
| 3.3V            | 25               | 0.62                |             |         |

LTE Band 26 (Part22) 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>819 MHz      |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | -0.31               | ±2047.5     | Pass    |
|                 | -20              | 1                   |             |         |
|                 | -10              | -0.46               |             |         |
|                 | 0                | 0.2                 |             |         |
|                 | 10               | 0.74                |             |         |
|                 | 20               | 1.04                |             |         |
|                 | 25               | 1.53                |             |         |
|                 | 30               | 1.23                |             |         |
|                 | 40               | 1.14                |             |         |
|                 | 50               | 1.69                |             |         |
| 4.48V           | 25               | 1.97                |             |         |
| 3.3V            | 25               | 0.6                 |             |         |

## LTE Band 26 (Part90) QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>836.5 MHz    |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | -0.19               | ±2091.25    | Pass    |
|                 | -20              | -0.9                |             |         |
|                 | -10              | -0.24               |             |         |
|                 | 0                | -0.31               |             |         |
|                 | 10               | -0.82               |             |         |
|                 | 20               | -0.62               |             |         |
|                 | 25               | -1.02               |             |         |
|                 | 30               | 0.06                |             |         |
|                 | 40               | -0.43               |             |         |
|                 | 50               | -0.29               |             |         |
| 4.48V           | 25               | 0.1                 |             |         |
| 3.3V            | 25               | -0.94               |             |         |

## LTE Band 26 (Part90) 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>836.5 MHz    |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | -0.69               | ±2091.25    | Pass    |
|                 | -20              | -0.54               |             |         |
|                 | -10              | -0.54               |             |         |
|                 | 0                | -0.27               |             |         |
|                 | 10               | -0.27               |             |         |
|                 | 20               | -0.33               |             |         |
|                 | 25               | -0.29               |             |         |
|                 | 30               | 0.41                |             |         |
|                 | 40               | -0.19               |             |         |
|                 | 50               | -1.03               |             |         |
| 4.48V           | 25               | -0.29               |             |         |
| 3.3V            | 25               | -1.09               |             |         |

## LTE Band 38 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2595 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | 1.04                | ±6487.5     | Pass    |
|                 | -20              | 0.33                |             |         |
|                 | -10              | -0.06               |             |         |
|                 | 0                | 3.32                |             |         |
|                 | 10               | -0.23               |             |         |
|                 | 20               | 0.69                |             |         |
|                 | 25               | -1.19               |             |         |
|                 | 30               | 1.27                |             |         |
|                 | 40               | 0.09                |             |         |
|                 | 50               | 3.66                |             |         |
| 4.48V           | 25               | 0.26                |             |         |
| 3.3V            | 25               | 0.56                |             |         |

## LTE Band 38 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2595 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | 0.43                | ±6487.5     | Pass    |
|                 | -20              | 0.89                |             |         |
|                 | -10              | 0.6                 |             |         |
|                 | 0                | 0.2                 |             |         |
|                 | 10               | 0.51                |             |         |
|                 | 20               | -0.94               |             |         |
|                 | 25               | 2.47                |             |         |
|                 | 30               | 3.1                 |             |         |
|                 | 40               | 3.03                |             |         |
|                 | 50               | 0.2                 |             |         |
| 4.48V           | 25               | 1.34                |             |         |
| 3.3V            | 25               | 0                   |             |         |

## LTE Band 41 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2593 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | -0.07               | ±6482.5     | Pass    |
|                 | -20              | -0.69               |             |         |
|                 | -10              | 0.03                |             |         |
|                 | 0                | 1.12                |             |         |
|                 | 10               | 0.41                |             |         |
|                 | 20               | 0.82                |             |         |
|                 | 25               | 0.47                |             |         |
|                 | 30               | -0.86               |             |         |
|                 | 40               | 1.14                |             |         |
|                 | 50               | -0.74               |             |         |
| 4.48V           | 25               | -0.13               | ±6482.5     | Pass    |
| 3.3V            | 25               | -2.22               |             |         |

## LTE Band 41 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2593 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | -0.2                | ±6482.5     | Pass    |
|                 | -20              | 0.62                |             |         |
|                 | -10              | -0.26               |             |         |
|                 | 0                | 1.6                 |             |         |
|                 | 10               | -1.73               |             |         |
|                 | 20               | -0.07               |             |         |
|                 | 25               | 0.33                |             |         |
|                 | 30               | 2                   |             |         |
|                 | 40               | 1.5                 |             |         |
|                 | 50               | 0.14                |             |         |
| 4.48V           | 25               | 0.34                | ±6482.5     | Pass    |
| 3.3V            | 25               | -0.34               |             |         |

## LTE Band 66 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1745 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | -2.63               | ±4362.5     | Pass    |
|                 | -20              | -0.93               |             |         |
|                 | -10              | -1.8                |             |         |
|                 | 0                | -1.9                |             |         |
|                 | 10               | -1.44               |             |         |
|                 | 20               | -1.93               |             |         |
|                 | 25               | -2.68               |             |         |
|                 | 30               | -1.95               |             |         |
|                 | 40               | -2.62               |             |         |
|                 | 50               | -2.53               |             |         |
| 4.48V           | 25               | -1.8                |             |         |
| 3.3V            | 25               | -0.84               |             |         |

## LTE Band 66 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1745 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.88            | -30              | -2.45               | ±4362.5     | Pass    |
|                 | -20              | -2.25               |             |         |
|                 | -10              | -2.15               |             |         |
|                 | 0                | -1.9                |             |         |
|                 | 10               | -1.8                |             |         |
|                 | 20               | -1.02               |             |         |
|                 | 25               | -1.82               |             |         |
|                 | 30               | -1.75               |             |         |
|                 | 40               | -1.6                |             |         |
|                 | 50               | -3.15               |             |         |
| 4.48V           | 25               | -2.1                |             |         |
| 3.3V            | 25               | -1.69               |             |         |

## 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-SZ2580860-501 Data Part 3.pdf".

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

### GSM and WCDMA Mode Test Verdict

| Test Band    | Test Channel | Verdict <sup>Note3</sup> |
|--------------|--------------|--------------------------|
| GSM 850      | LCH          | Pass                     |
|              | MCH          | Pass                     |
|              | HCH          | Pass                     |
| GSM 1900     | LCH          | Pass                     |
|              | MCH          | Pass                     |
|              | HCH          | Pass                     |
| EGPRS 850    | LCH          | Pass                     |
|              | MCH          | Pass                     |
|              | HCH          | Pass                     |
| EGPRS 1900   | LCH          | Pass                     |
|              | MCH          | Pass                     |
|              | HCH          | Pass                     |
| WCDMA Band 2 | LCH          | Pass                     |
|              | MCH          | Pass                     |
|              | HCH          | Pass                     |
| WCDMA Band 4 | LCH          | Pass                     |
|              | MCH          | Pass                     |
|              | HCH          | Pass                     |
| WCDMA Band 5 | LCH          | Pass                     |
|              | MCH          | Pass                     |
|              | HCH          | Pass                     |

## LTE Mode Test Verdict

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict<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 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         | 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 18<br>(Part22) | 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             |

| Test Band           | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict<br>Note3 |
|---------------------|----------------|--------------|-----------|-----------------------|------------------|
| Band 18<br>(Part90) | 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             |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict<br>Note3 |
|-----------|----------------|--------------|-----------|-----------------------|------------------|
| Band 19   | 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         | 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 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             |

## A.6 Band Edge

Note 1: Test plots please refer to the document “Annex No.: BL-SZ2580860-501 Data Part 4.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             |
| EGPRS 850    | LCH          | Pass             |
|              | HCH          | Pass             |
| EGPRS 1900   | LCH          | Pass             |
|              | HCH          | Pass             |
| WCDMA Band 2 | LCH          | Pass             |
|              | HCH          | Pass             |
| WCDMA Band 4 | LCH          | Pass             |
|              | HCH          | Pass             |
| WCDMA Band 5 | LCH          | Pass             |
|              | HCH          | Pass             |

## LTE Mode Test Verdict

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

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

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict<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 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 13   | 5 MHz          | LCH          | QPSK      | RB1#0                 | Pass             |
|           |                |              |           | RB6#0                 | Pass             |
|           |                | LCH          | 16-QAM    | RB1#0                 | Pass             |
|           |                |              |           | RB6#0                 | Pass             |
|           |                | HCH          | QPSK      | RB1#5                 | Pass             |
|           |                |              |           | RB6#0                 | Pass             |
|           | 10 MHz         | HCH          | 16-QAM    | RB1#5                 | Pass             |
|           |                |              |           | RB6#0                 | Pass             |
|           |                | LCH          | QPSK      | RB1#0                 | Pass             |
|           |                |              |           | RB15#0                | Pass             |
|           |                | LCH          | 16-QAM    | RB1#0                 | Pass             |
|           |                |              |           | RB15#0                | Pass             |
|           |                | HCH          | QPSK      | RB1#14                | Pass             |
|           |                |              |           | RB15#0                | Pass             |
|           |                | HCH          | 16-QAM    | RB1#14                | Pass             |
|           |                |              |           | RB15#0                | Pass             |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict<br>Note1 |
|------------------|----------------|--------------|-----------|-----------------------|------------------|
| Band 18(Part22 ) | 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             |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict<br>Note1 |
|------------------|----------------|--------------|-----------|-----------------------|------------------|
| Band 18(Part90 ) | 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             |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict<br>Note1 |
|-----------|----------------|--------------|-----------|-----------------------|------------------|
| Band 19   | 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 |
|---------------------|----------------|--------------|-----------|-----------------------|------------------|
| 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             |
|                     |                |              | 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             |
|                     |                |              |           | 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 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             |

## 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-SZ2580860-501 Data Part 5.pdf".

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

### GSM and WCDMA Mode Test Verdict

| Test Band    | Test Channel | Verdict <sup>Note3</sup> |
|--------------|--------------|--------------------------|
| GSM 850      | LCH          | Pass                     |
|              | MCH          | Pass                     |
|              | HCH          | Pass                     |
| GSM 1900     | LCH          | Pass                     |
|              | MCH          | Pass                     |
|              | HCH          | Pass                     |
| EGPRS 850    | LCH          | Pass                     |
|              | MCH          | Pass                     |
|              | HCH          | Pass                     |
| EGPRS 1900   | LCH          | Pass                     |
|              | MCH          | Pass                     |
|              | HCH          | Pass                     |
| WCDMA Band 2 | LCH          | Pass                     |
|              | MCH          | Pass                     |
|              | HCH          | Pass                     |
| WCDMA Band 4 | LCH          | Pass                     |
|              | MCH          | Pass                     |
|              | HCH          | Pass                     |
| WCDMA Band 5 | LCH          | Pass                     |
|              | MCH          | Pass                     |
|              | HCH          | Pass                     |

LTE Mode Test Verdict

| Test Band       | Test Channel | Test Bandwidth (MHz) | Modulation | RB Number | RB Position | Verdict<br>Note3 |
|-----------------|--------------|----------------------|------------|-----------|-------------|------------------|
| Band 2          | 19125        | 15                   | QPSK       | 1         | 37          | Pass             |
| Band 4          | 20175        | 15                   | QPSK       | 1         | 37          | Pass             |
| Band 5          | 20525        | 5                    | QPSK       | 1         | 12          | Pass             |
| Band 7          | 21375        | 15                   | QPSK       | 1         | 37          | Pass             |
| Band 13         | 23255        | 5                    | QPSK       | 1         | 12          | Pass             |
| Band 18(Part22) | 23970        | 5                    | QPSK       | 1         | 12          | Pass             |
| Band 18(Part90) | 23875        | 5                    | QPSK       | 1         | 12          | Pass             |
| Band 19         | 24025        | 5                    | QPSK       | 1         | 12          | Pass             |
| Band 26(Part22) | 26865        | 15                   | QPSK       | 1         | 37          | Pass             |
| Band 26(Part90) | 26705        | 3                    | QPSK       | 1         | 7           | Pass             |
| Band 38         | 38000        | 10                   | QPSK       | 1         | 24          | Pass             |
| Band 41         | 40115        | 15                   | QPSK       | 1         | 37          | Pass             |
| Band 66         | 132597       | 15                   | QPSK       | 1         | 37          | Pass             |

## **ANNEX B TEST SETUP PHOTOS**

Please refer to the document “BL-SZ2580860-AR-1.PDF”.

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer to the document “BL-SZ2580860-AW.PDF”.

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer to the document “BL-SZ2580860-AI.PDF”.

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