

# TEST REPORT

**Applicant:** INFINIX MOBILITY LIMITED  
**Address:** FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL  
CENTRE 19-25 SHAN MEI STREET FOTAN NT  
HONGKONG  
**Equipment Type:** Mobile phone  
**Model Name:** X6880  
**Brand Name:** Infinix  
**FCC ID:** 2AIZN-X6880  
**Test Standard:** 47 CFR Part 2  
(Others refer to chapter 3.1)  
**Sample Arrival Date:** Jun. 28, 2024  
**Test Date:** Jun. 28, 2024 - Aug. 09, 2024  
**Date of Issue:** Aug. 13, 2024

## ISSUED BY:

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### Revision History

| Version        | Issue Date           | Revisions Content    |
|----------------|----------------------|----------------------|
| <u>Rev. 01</u> | <u>Aug. 13, 2024</u> | <u>Initial Issue</u> |

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# 1 GENERAL INFORMATION

## 1.1 Test Laboratory

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

## 1.2 Test Location

|                           |                                                                                                                                                                                                                                    |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name                      | Shenzhen BALUN Technology Co., Ltd.                                                                                                                                                                                                |
| Location                  | <input 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 | INFINIX MOBILITY LIMITED                                                                   |
| Address   | FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25<br>SHAN MEI STREET FOTAN NT HONGKONG |

### 2.2 Manufacturer Information

|              |                                                                                            |
|--------------|--------------------------------------------------------------------------------------------|
| Manufacturer | INFINIX MOBILITY LIMITED                                                                   |
| Address      | FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25<br>SHAN MEI STREET FOTAN NT HONGKONG |

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

|                                           |              |
|-------------------------------------------|--------------|
| EUT Name                                  | Mobile phone |
| Model Name Under Test                     | X6880        |
| Series Model Name                         | N/A          |
| Description of Model name differentiation | N/A          |
| Hardware Version                          | N/A          |
| Software Version                          | N/A          |
| Dimensions (Approx.)                      | N/A          |
| Weight (Approx.)                          | N/A          |

## 2.4 Technical Information

|                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| All Network and Wireless connectivity for EUT                                                                                                                                                                                            | 2G Network GSM/GPRS/EDGE 850/1900<br>3G Network WCDMA/HSDPA/HSUPA Band 2/4/5<br>4G Network LTE FDD Band 2/4/5/7<br>LTE TDD Band 38/41<br>LTE CA Uplink (UL): CA_2C, CA_5B, CA_7C, CA_38C, CA_41C<br>Bluetooth (BR+EDR+BLE)<br>WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20/40) and<br>802.11ac(VHT20/40/80)<br>GPS, GLONASS, BDS, Galileo, FM Receiver, NFC |
| About the Product                                                                                                                                                                                                                        | The equipment is Mobile phone, intended for used with information technology equipment.                                                                                                                                                                                                                                                                     |
| Note 1:<br>The EUT is a mobile phone, supporting dual SIM card slots under the same transceiver. Both SIM card slots support GSM, WCDMA, LTE. And both SIM card slots share the same transceiver, so only SIM1 is tested in this report. |                                                                                                                                                                                                                                                                                                                                                             |

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

|                 |                                                                                                                                                                                                                                                                        |       |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Operating Bands | GSM/GPRS/EDGE 850/1900 MHz<br>WCDMA/HSDPA/HSUPA Band 2/4/5<br>FDD Band 2/4/5/7<br>TDD Band 38/41<br>CA_2C, CA_5B, CA_7C, CA_38C, CA_41C                                                                                                                                |       |
| Modulation Type | GSM/GPRS                                                                                                                                                                                                                                                               | GMSK  |
|                 | EGPRS                                                                                                                                                                                                                                                                  | 8PSK  |
|                 | WCDMA                                                                                                                                                                                                                                                                  | QPSK  |
|                 | HSDPA /HSUPA                                                                                                                                                                                                                                                           | QPSK  |
|                 |                                                                                                                                                                                                                                                                        | 16QAM |
|                 | LTE                                                                                                                                                                                                                                                                    | QPSK  |
|                 |                                                                                                                                                                                                                                                                        | 16QAM |
|                 |                                                                                                                                                                                                                                                                        | 64QAM |
| Multislot Class | GPRS/EGPRS: 12                                                                                                                                                                                                                                                         |       |
| Antenna Type    | PIFA Antenna                                                                                                                                                                                                                                                           |       |
| Antenna Gain    | GSM/GPRS/EGPRS 850: -6.89 dBi<br>GSM/GPRS/EGPRS 1900: -2.8 dBi<br>WCDMA/HSDPA/HSUPA Band 2: -2.8 dBi<br>WCDMA/HSDPA/HSUPA Band 4: -2.7 dBi<br>WCDMA/HSDPA/HSUPA Band 5: -6.89 dBi<br>FDD LTE Band 2: -2.8 dBi<br>FDD LTE Band 4: -2.7 dBi<br>FDD LTE Band 5: -6.89 dBi |       |

|                                       |             |      | FDD LTE Band 7: -0.88 dBi<br>FDD LTE Band 38: -0.88 dBi<br>FDD LTE Band 41: -0.88 dBi                                                                                                                                                                                                                                                                                                                                                                                      |                     |
|---------------------------------------|-------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| The Max RF Output Power<br>(EIRP/ERP) |             |      | GSM/GPRS/EGPRS 850: 20.26 dBm<br>GSM/GPRS/EGPRS 1900: 26.52 dBm<br>WCDMA/HSDPA/HSUPA Band 2: 15.85 dBm<br>WCDMA/HSDPA/HSUPA Band 4: 18.28 dBm<br>WCDMA/HSDPA/HSUPA Band 5: 11.47 dBm<br>FDD LTE Band 2: 17.50 dBm<br>FDD LTE Band 4: 19.36 dBm<br>FDD LTE Band 5: 11.72 dBm<br>FDD LTE Band 7: 18.82 dBm<br>TDD LTE Band 38: 21.27 dBm<br>TDD LTE Band 41: 21.45 dBm<br>CA_2C: 17.38 dBm<br>CA_5B: 13.80 dBm<br>CA_7C: 18.49 dBm<br>CA_38C: 20.78 dBm<br>CA_41C: 20.97 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 B38                               | 3           |      | 2570 MHz ~ 2620 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2570 MHz ~ 2620 MHz |
| LTE B41                               | 3           |      | 2535 MHz ~ 2655 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2535 MHz ~ 2655 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.

### 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   | ANSI C63.26-2015            | American National Standard for Compliance Testing of<br>Transmitters Used in Licensed Radio Services |
| 6   | 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 | 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 | ANNEX A.3                  | Pass         |
| 5   | Frequency Stability                    | 2.1055<br>22.355<br>24.235<br>27.54 | ANNEX A.4                  | Pass         |
| 6   | Spurious Emission at Antenna Terminals | 2.1051<br>22.917<br>24.238<br>27.53 | ANNEX A.5                  | Pass         |
| 7   | Band Edge                              | 2.1051<br>22.917<br>24.238<br>27.53 | ANNEX A.6                  | Pass         |
| 8   | Field Strength of Spurious Radiation   | 2.1053<br>22.917<br>24.238<br>27.53 | ANNEX A.7                  | Pass         |

## 4 GENERAL TEST CONFIGURATIONS

### 4.1 Test Environments

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

|                             |                         |                   |
|-----------------------------|-------------------------|-------------------|
| Relative Humidity           |                         | 20% to 75%        |
| Atmospheric Pressure        |                         | 98 kPa to 102 kPa |
| Test Voltage of the EUT     | NV (Normal Voltage)     | 3.91 V            |
|                             | LV (Low Voltage)        | 3.45 V            |
|                             | HV (High Voltage)       | 4.5 V             |
| Test Temperature of the EUT | NT (Normal Temperature) | 15 °C to 35 °C    |
|                             | LT (Low Temperature)    | -30 °C            |
|                             | HT (High Temperature)   | +55 °C            |

### 4.2 Test Equipment List

| Description                          | Manufacturer | Model      | Serial No.             | Version   | Cal. Date  | Cal. Due   |
|--------------------------------------|--------------|------------|------------------------|-----------|------------|------------|
| <b>2/3/4/5G RF Test System</b>       |              |            |                        |           |            |            |
| BL410 Test Software                  | BALUN        | BL410R     | N/A                    | 3.0.1.536 | 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       | 2023-11-08 | 2024-11-07 |
| Universal Radio Communication Tester | R&S          | CMU 200    | 119280                 | V5.13     | 2024-01-12 | 2025-01-11 |
| Wideband Radio Communication Tester  | R&S          | CMW 500    | 100854                 | V3.7.172  | 2024-04-25 | 2025-04-24 |
| DC Power Supply                      | ITECH        | IT6863A    | 800014020757<br>120008 | N/A       | 2023-09-06 | 2024-09-05 |
| Spectrum Analyzer                    | Agilent      | E4440A     | MY46181663             | A.11.21   | 2023-10-08 | 2024-10-07 |
| <b>Radiated Test System</b>          |              |            |                        |           |            |            |
| Radiated Test System Test Software   | BALUN        | BL410-E    | N/A                    | V22.4     | N/A        | N/A        |
| Wideband Radio Communication Tester  | R&S          | CMW 500    | 100854                 | V3.7.172  | 2024-04-25 | 2025-04-24 |

|                                   |             |            |            |         |            |            |
|-----------------------------------|-------------|------------|------------|---------|------------|------------|
| Test Antenna-Bi-Log(30 MHz-3 GHz) | Schwarzbeck | VULB 9163  | 01414      | N/A     | 2023-11-03 | 2026-11-02 |
| Test Antenna-Horn(1-18 GHz)       | Schwarzbeck | BBHA 9120D | 02459      | N/A     | 2023-10-26 | 2026-10-25 |
| Anechoic Chamber                  | YIHENG      | C8-966     | N/A        | N/A     | 2021-09-29 | 2024-09-28 |
| EMI Receiver                      | Keysight    | N9038A     | MY55330121 | A.20.03 | 2024-04-23 | 2025-04-22 |

### 4.3 Test Configurations

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

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

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

| LTE Band                               | Bandwidth (MHz) |    |    |    |    |    | Modulation Type |        |        | RB# |      |      | Test Channel |     |     |
|----------------------------------------|-----------------|----|----|----|----|----|-----------------|--------|--------|-----|------|------|--------------|-----|-----|
|                                        | 1.4             | 3  | 5  | 10 | 15 | 20 | QPSK            | 16-QAM | 64-QAM | 1   | Half | Full | LCH          | MCH | HCH |
| Effective (Isotropic) Radiated Power   |                 |    |    |    |    |    |                 |        |        |     |      |      |              |     |     |
| 2                                      | v               | v  | v  | v  | v  | v  | v               | v      | v      | v   | v    | v    | v            | v   | v   |
| 4                                      | v               | v  | v  | v  | v  | v  | v               | v      | v      | v   | v    | v    | v            | v   | v   |
| 5                                      | v               | v  | v  | v  | n  | n  | v               | v      | v      | v   | v    | v    | v            | v   | v   |
| 7                                      | n               | n  | v  | v  | v  | v  | v               | v      | v      | v   | v    | v    | v            | v   | v   |
| 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   |
| 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   |
| 38                                     | n               | n  | -- | -- | -- | v  | v               | v      | --     | v   | --   | v    | v            | v   | v   |
| 41                                     | n               | n  | -- | -- | -- | v  | v               | v      | --     | v   | --   | v    | v            | v   | v   |
| Occupied Bandwidth                     |                 |    |    |    |    |    |                 |        |        |     |      |      |              |     |     |
| 2                                      | v               | v  | v  | v  | v  | v  | v               | v      | v      | --  | --   | v    | v            | v   | 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   |
| 38                                     | n               | n  | v  | v  | v  | v  | v               | v      | v      | --  | --   | v    | v            | v   | v   |
| 41                                     | n               | n  | v  | v  | v  | v  | v               | v      | v      | --  | --   | v    | v            | v   | v   |
| 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   | --  |
| 38                                     | n               | n  | -- | v  | -- | -- | v               | v      | --     | --  | --   | v    | --           | v   | --  |
| 41                                     | n               | n  | -- | v  | -- | -- | v               | v      | --     | --  | --   | v    | --           | v   | --  |
| Spurious Emission at Antenna Terminals |                 |    |    |    |    |    |                 |        |        |     |      |      |              |     |     |
| 2                                      | v               | v  | v  | v  | v  | v  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 4                                      | v               | v  | v  | v  | v  | v  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 5                                      | v               | v  | v  | v  | n  | n  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 7                                      | n               | n  | v  | v  | v  | v  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 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   |
| 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   |

| 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 |
| 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   |
| 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   |
| Field Strength of Spurious Radiation                                      |                 |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 2                                                                         | Worst case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 4                                                                         | Worst case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 5                                                                         | Worst case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 7                                                                         | Worst case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 38                                                                        | Worst case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 41                                                                        | Worst case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| Note 1: The mark “v” means that this configuration is chosen for testing. |                 |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| Note 2: The mark “n” means that this bandwidth is not supported.          |                 |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |

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

| Test Mode   | UL Channel   | Channel Bandwidth (MHz) | UL Channel No. | UL Frequency (MHz) |
|-------------|--------------|-------------------------|----------------|--------------------|
|             |              | 10                      | 20350          | 1750               |
|             |              | 15                      | 20325          | 1747.5             |
|             |              | 20                      | 20300          | 1745               |
| LTE Band 5  | Low Range    | 1.4                     | 20407          | 824.7              |
|             |              | 3                       | 20415          | 825.5              |
|             |              | 5                       | 20425          | 826.5              |
|             |              | 10                      | 20450          | 829                |
|             | Middle Range | 1.4/3/5/10              | 20525          | 836.5              |
|             | High Range   | 1.4                     | 20643          | 848.3              |
|             |              | 3                       | 20635          | 847.5              |
|             |              | 5                       | 20625          | 846.5              |
|             |              | 10                      | 20600          | 844                |
|             |              |                         |                |                    |
| LTE Band 7  | Low Range    | 5                       | 20775          | 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 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               |
|             |              | 15                      | 41165          | 2647.5             |
|             |              | 20                      | 41140          | 2645               |
|             |              |                         |                |                    |



| Test frequencies for CA_2C                      |                                   |            |                 |                          |                 |                          |            |                 |                          |                 |                          |
|-------------------------------------------------|-----------------------------------|------------|-----------------|--------------------------|-----------------|--------------------------|------------|-----------------|--------------------------|-----------------|--------------------------|
| Range                                           | CC-<br>Combo /<br>NRB_agg<br>[RB] | CC1        |                 |                          |                 |                          | CC2        |                 |                          |                 |                          |
|                                                 |                                   | BW<br>[RB] | N <sub>UL</sub> | f <sub>UL</sub><br>[MHz] | N <sub>DL</sub> | f <sub>DL</sub><br>[MHz] | BW<br>[RB] | N <sub>UL</sub> | f <sub>UL</sub><br>[MHz] | N <sub>DL</sub> | f <sub>DL</sub><br>[MHz] |
| Low                                             | 25+100                            | 25         | 18633           | 1853.3                   | 633             | 1933.3                   | 100        | 18750           | 1865                     | 750             | 1945                     |
|                                                 |                                   | 100        | 18700           | 1860                     | 700             | 1940                     | 25         | 18817           | 1871.7                   | 817             | 1951.7                   |
|                                                 | 50+75                             | 50         | 18653           | 1855.3                   | 653             | 1935.3                   | 75         | 18773           | 1867.3                   | 773             | 1947.3                   |
|                                                 |                                   | 75         | 18675           | 1857.5                   | 675             | 1937.5                   | 50         | 18795           | 1869.5                   | 795             | 1949.5                   |
|                                                 | 50+100                            | 50         | 18655           | 1855.5                   | 655             | 1935.5                   | 100        | 18799           | 1869.9                   | 799             | 1949.9                   |
|                                                 |                                   | 100        | 18700           | 1860                     | 700             | 1940                     | 50         | 18844           | 1874.4                   | 844             | 1954.4                   |
|                                                 | 75+75                             | 75         | 18675           | 1857.5                   | 675             | 1937.5                   | 75         | 18825           | 1872.5                   | 825             | 1952.5                   |
|                                                 |                                   | 75+100     | 75              | 18678                    | 1857.8          | 678                      | 1937.8     | 100             | 18849                    | 1874.9          | 849                      |
|                                                 | 100                               |            | 18700           | 1860                     | 700             | 1940                     | 75         | 18871           | 1877.1                   | 871             | 1957.1                   |
|                                                 | 100+100                           | 100        | 18700           | 1860                     | 700             | 1940                     | 100        | 18898           | 1879.8                   | 898             | 1959.8                   |
| Mid                                             | 25+100                            | 25         | 18808           | 1870.8                   | 808             | 1950.8                   | 100        | 18925           | 1882.5                   | 925             | 1962.5                   |
|                                                 |                                   | 100        | 18875           | 1877.5                   | 875             | 1957.5                   | 25         | 18992           | 1889.2                   | 992             | 1969.2                   |
|                                                 | 50+75                             | 50         | 18829           | 1872.9                   | 829             | 1952.9                   | 75         | 18949           | 1884.9                   | 949             | 1964.9                   |
|                                                 |                                   | 75         | 18851           | 1875.1                   | 851             | 1955.1                   | 50         | 18971           | 1887.1                   | 971             | 1967.1                   |
|                                                 | 50+100                            | 50         | 18806           | 1870.6                   | 806             | 1950.6                   | 100        | 18950           | 1885                     | 950             | 1965                     |
|                                                 |                                   | 100        | 18851           | 1875.1                   | 851             | 1955.1                   | 50         | 18995           | 1889.5                   | 995             | 1969.5                   |
|                                                 | 75+75                             | 75         | 18825           | 1872.5                   | 825             | 1952.5                   | 75         | 18975           | 1887.5                   | 975             | 1967.5                   |
|                                                 |                                   | 75+100     | 75              | 18803                    | 1870.3          | 803                      | 1950.3     | 100             | 18974                    | 1887.4          | 974                      |
|                                                 | 100                               |            | 18826           | 1872.6                   | 826             | 1952.6                   | 75         | 18997           | 1889.7                   | 997             | 1969.7                   |
|                                                 | 100+100                           | 100        | 18801           | 1870.1                   | 801             | 1950.1                   | 100        | 18999           | 1889.9                   | 999             | 1969.9                   |
| High                                            | 25+100                            | 25         | 18983           | 1888.3                   | 983             | 1968.3                   | 100        | 19100           | 1900                     | 1100            | 1980                     |
|                                                 |                                   | 100        | 19050           | 1895                     | 1050            | 1975                     | 25         | 19167           | 1906.7                   | 1167            | 1986.7                   |
|                                                 | 50+75                             | 50         | 19005           | 1890.5                   | 1005            | 1970.5                   | 75         | 19125           | 1902.5                   | 1125            | 1982.5                   |
|                                                 |                                   | 75         | 19027           | 1892.7                   | 1027            | 1972.7                   | 50         | 19147           | 1904.7                   | 1147            | 1984.7                   |
|                                                 | 50+100                            | 50         | 18956           | 1885.6                   | 956             | 1965.6                   | 100        | 19100           | 1900                     | 1100            | 1980                     |
|                                                 |                                   | 100        | 19001           | 1890.1                   | 1001            | 1970.1                   | 50         | 19145           | 1904.5                   | 1145            | 1984.5                   |
|                                                 | 75+75                             | 75         | 18975           | 1887.5                   | 975             | 1967.5                   | 75         | 19125           | 1902.5                   | 1125            | 1982.5                   |
|                                                 |                                   | 75+100     | 75              | 18929                    | 1882.9          | 929                      | 1962.9     | 100             | 19100                    | 1900            | 1100                     |
|                                                 | 100                               |            | 18951           | 1885.1                   | 951             | 1965.1                   | 75         | 19122           | 1902.2                   | 1122            | 1982.2                   |
|                                                 | 100+100                           | 100        | 18902           | 1880.2                   | 902             | 1960.2                   | 100        | 19100           | 1900                     | 1100            | 1980                     |
| Note 1: Carriers in increasing frequency order. |                                   |            |                 |                          |                 |                          |            |                 |                          |                 |                          |

| Test frequencies for CA_5B |                         |         |                 |                       |                 |                       |         |                 |                       |                 |                       |
|----------------------------|-------------------------|---------|-----------------|-----------------------|-----------------|-----------------------|---------|-----------------|-----------------------|-----------------|-----------------------|
| Range                      | CC-Combo / NRB_agg [RB] | CC1     |                 |                       |                 |                       | CC2     |                 |                       |                 |                       |
|                            |                         | BW [RB] | N <sub>UL</sub> | f <sub>UL</sub> [MHz] | N <sub>DL</sub> | f <sub>DL</sub> [MHz] | BW [RB] | N <sub>UL</sub> | f <sub>UL</sub> [MHz] | N <sub>DL</sub> | f <sub>DL</sub> [MHz] |
| Low                        | 25+50                   | 25      | 20428           | 826.8                 | 2428            | 871.8                 | 50      | 20500           | 834                   | 2500            | 879                   |
|                            |                         | 50      | 20450           | 829                   | 2450            | 874                   | 25      | 20522           | 836.2                 | 2522            | 881.2                 |
|                            | 50+50                   | 50      | 20450           | 829                   | 2450            | 874                   | 50      | 20549           | 838.9                 | 2549            | 883.9                 |
| Mid                        | 25+50                   | 25      | 20478           | 831.8                 | 2478            | 876.8                 | 50      | 20550           | 839                   | 2550            | 884                   |
|                            |                         | 50      | 20500           | 834                   | 2500            | 879                   | 25      | 20572           | 841.2                 | 2572            | 886.2                 |
|                            | 50+50                   | 50      | 20476           | 831.6                 | 2476            | 876.6                 | 50      | 20575           | 841.5                 | 2575            | 886.5                 |
| High                       | 25+50                   | 25      | 20528           | 836.8                 | 2528            | 881.8                 | 50      | 20600           | 844                   | 2600            | 889                   |
|                            |                         | 50      | 20550           | 839                   | 2550            | 884                   | 25      | 20622           | 846.2                 | 2622            | 891.2                 |
|                            | 50+50                   | 50      | 20501           | 834.1                 | 2501            | 879.1                 | 50      | 20600           | 844                   | 2600            | 889                   |

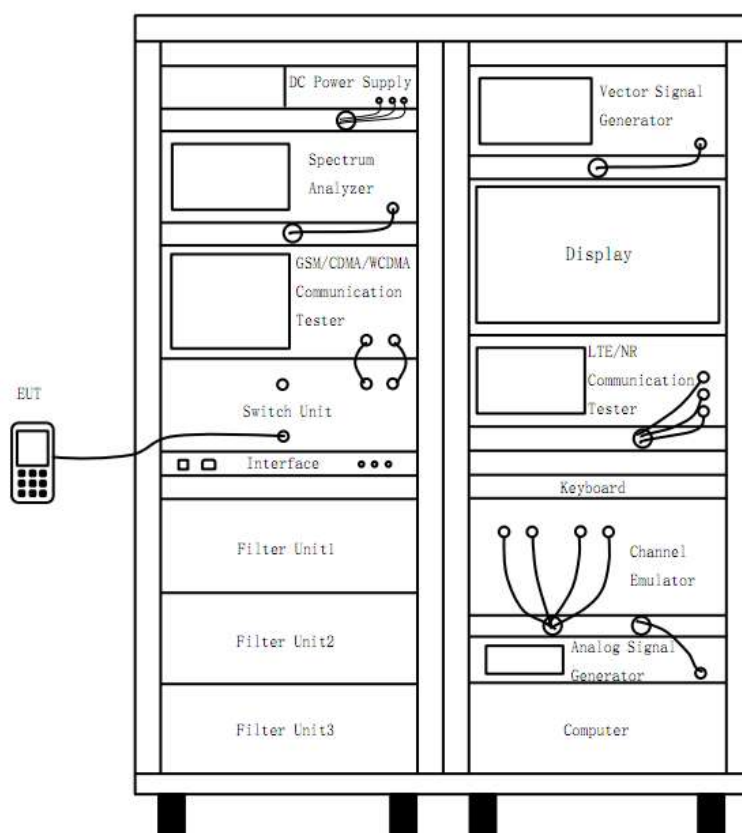
| Test frequencies for CA_7C |                         |         |                 |                       |                 |                       |         |                 |                       |                 |                       |
|----------------------------|-------------------------|---------|-----------------|-----------------------|-----------------|-----------------------|---------|-----------------|-----------------------|-----------------|-----------------------|
| Range                      | CC-Combo / NRB_agg [RB] | CC1     |                 |                       |                 |                       | CC2     |                 |                       |                 |                       |
|                            |                         | BW [RB] | N <sub>UL</sub> | f <sub>UL</sub> [MHz] | N <sub>DL</sub> | f <sub>DL</sub> [MHz] | BW [RB] | N <sub>UL</sub> | f <sub>UL</sub> [MHz] | N <sub>DL</sub> | f <sub>DL</sub> [MHz] |
| Low                        | 50+100                  | 50      | 20805           | 2505.5                | 2805            | 2625.5                | 100     | 20949           | 2519.9                | 2949            | 2639.9                |
|                            |                         | 100     | 20850           | 2510                  | 2850            | 2630                  | 50      | 20994           | 2524.4                | 2994            | 2644.4                |
|                            | 75+50                   | 75      | 20825           | 2507.5                | 2825            | 2627.5                | 50      | 20945           | 2519.5                | 2945            | 2639.5                |
|                            | 75+75                   | 75      | 20825           | 2507.5                | 2825            | 2627.5                | 75      | 20975           | 2522.5                | 2975            | 2642.5                |
|                            | 75+100                  | 75      | 20828           | 2507.8                | 2828            | 2627.8                | 100     | 20999           | 2524.9                | 2999            | 2644.9                |
|                            |                         | 100     | 20850           | 2510                  | 2850            | 2630                  | 75      | 21021           | 2527.1                | 3021            | 2647.1                |
|                            | 100+100                 | 100     | 20850           | 2510                  | 2850            | 2630                  | 100     | 21048           | 2529.8                | 3048            | 2649.8                |
| Mid                        | 50+100                  | 50      | 21006           | 2525.6                | 3006            | 2645.6                | 100     | 21150           | 2540                  | 3150            | 2660                  |
|                            |                         | 100     | 21051           | 2530.1                | 3051            | 2650.1                | 50      | 21195           | 2544.5                | 3195            | 2664.5                |
|                            | 75+50                   | 75      | 21051           | 2530.1                | 3051            | 2650.1                | 50      | 21171           | 2542.1                | 3171            | 2662.1                |
|                            | 75+75                   | 75      | 21025           | 2527.5                | 3025            | 2647.5                | 75      | 21175           | 2542.5                | 3175            | 2662.5                |
|                            | 75+100                  | 75      | 21003           | 2525.3                | 3003            | 2645.3                | 100     | 21174           | 2542.4                | 3174            | 2662.4                |
|                            |                         | 100     | 21026           | 2527.6                | 3026            | 2647.6                | 75      | 21197           | 2544.7                | 3197            | 2664.7                |
|                            | 100+100                 | 100     | 21001           | 2525.1                | 3001            | 2645.1                | 100     | 21199           | 2544.9                | 3199            | 2664.9                |
| High                       | 50+100                  | 50      | 21206           | 2545.6                | 3206            | 2665.6                | 100     | 21350           | 2560                  | 3350            | 2680                  |
|                            |                         | 100     | 21251           | 2550.1                | 3251            | 2670.1                | 50      | 21395           | 2564.5                | 3395            | 2684.5                |
|                            | 75+50                   | 75      | 21277           | 2552.7                | 3277            | 2672.7                | 50      | 21397           | 2564.7                | 3397            | 2684.7                |
|                            | 75+75                   | 75      | 21225           | 2547.5                | 3225            | 2667.5                | 75      | 21375           | 2562.5                | 3375            | 2682.5                |
|                            | 75+100                  | 75      | 21179           | 2542.9                | 3179            | 2662.9                | 100     | 21350           | 2560                  | 3350            | 2680                  |
|                            |                         | 100     | 21201           | 2545.1                | 3201            | 2665.1                | 75      | 21372           | 2562.2                | 3372            | 2682.2                |
|                            | 100+100                 | 100     | 21152           | 2540.2                | 3152            | 2660.2                | 100     | 21350           | 2560                  | 3350            | 2680                  |

| Test frequencies for CA_38C |                               |            |                    |                             |            |                    |                             |
|-----------------------------|-------------------------------|------------|--------------------|-----------------------------|------------|--------------------|-----------------------------|
| Range                       | CC-Combo /<br>NRB_agg<br>[RB] | CC1        |                    |                             | CC2        |                    |                             |
|                             |                               | BW<br>[RB] | N <sub>UL/DL</sub> | f <sub>UL/DL</sub><br>[MHz] | BW<br>[RB] | N <sub>UL/DL</sub> | f <sub>UL/DL</sub><br>[MHz] |
| Low                         | 75+75                         | 75         | 37825              | 2577.5                      | 75         | 37975              | 2592.5                      |
|                             | 100+100                       | 100        | 37850              | 2580                        | 100        | 38048              | 2599.8                      |
| Mid                         | 75+75                         | 75         | 37925              | 2587.5                      | 75         | 38075              | 2602.5                      |
|                             | 100+100                       | 100        | 37901              | 2585.1                      | 100        | 38099              | 2604.9                      |
| High                        | 75+75                         | 75         | 38025              | 2597.5                      | 75         | 38175              | 2612.5                      |
|                             | 100+100                       | 100        | 37952              | 2590.2                      | 100        | 38150              | 2610                        |

| Test frequencies for CA_41C (2535-2655MHz) |                               |            |                    |                             |            |                    |                             |
|--------------------------------------------|-------------------------------|------------|--------------------|-----------------------------|------------|--------------------|-----------------------------|
| Range                                      | CC-Combo /<br>NRB_agg<br>[RB] | CC1        |                    |                             | CC2        |                    |                             |
|                                            |                               | BW<br>[RB] | N <sub>UL/DL</sub> | f <sub>UL/DL</sub><br>[MHz] | BW<br>[RB] | N <sub>UL/DL</sub> | f <sub>UL/DL</sub><br>[MHz] |
| Low                                        | 25+100                        | 25         | 40065              | 2537.5                      | 100        | 40182              | 2549.2                      |
|                                            |                               | 100        | 40140              | 2545                        | 25         | 40257              | 2556.7                      |
|                                            | 50+100                        | 50         | 40090              | 2540                        | 100        | 40234              | 2554.4                      |
|                                            |                               | 100        | 40140              | 2545                        | 50         | 40284              | 2559.4                      |
|                                            | 75+75                         | 75         | 40115              | 2542.5                      | 75         | 40265              | 2557.5                      |
|                                            | 75+100                        | 75         | 40115              | 2542.5                      | 100        | 40286              | 2559.6                      |
|                                            |                               | 100        | 40140              | 2545                        | 75         | 40311              | 2562.1                      |
|                                            | 100+100                       | 100        | 40140              | 2545                        | 100        | 40338              | 2564.8                      |
| Mid                                        | 25+100                        | 25         | 40544              | 2585.4                      | 100        | 40661              | 2597.1                      |
|                                            |                               | 100        | 40619              | 2592.9                      | 25         | 40736              | 2604.6                      |
|                                            | 50+100                        | 50         | 40543              | 2585.3                      | 100        | 40687              | 2599.7                      |
|                                            |                               | 100        | 40593              | 2590.3                      | 50         | 40737              | 2604.7                      |
|                                            | 75+75                         | 75         | 40565              | 2587.5                      | 75         | 40715              | 2602.5                      |
|                                            | 75+100                        | 75         | 40542              | 2585.2                      | 100        | 40713              | 2602.3                      |
|                                            |                               | 100        | 40567              | 2587.7                      | 75         | 40738              | 2604.8                      |
|                                            | 100+100                       | 100        | 40541              | 2585.1                      | 100        | 40739              | 2604.9                      |
| High                                       | 25+100                        | 25         | 41023              | 2633.3                      | 100        | 41140              | 2645                        |
|                                            |                               | 100        | 41098              | 2640.8                      | 25         | 41215              | 2652.5                      |
|                                            | 50+100                        | 50         | 40996              | 2630.6                      | 100        | 41140              | 2645                        |
|                                            |                               | 100        | 41046              | 2635.6                      | 50         | 41190              | 2650                        |
|                                            | 75+75                         | 75         | 41015              | 2632.5                      | 75         | 41165              | 2647.5                      |
|                                            | 75+100                        | 75         | 40969              | 2627.9                      | 100        | 41140              | 2645                        |
|                                            |                               | 100        | 40994              | 2630.4                      | 75         | 41165              | 2647.5                      |
|                                            | 100+100                       | 100        | 40942              | 2625.2                      | 100        | 41140              | 2645                        |

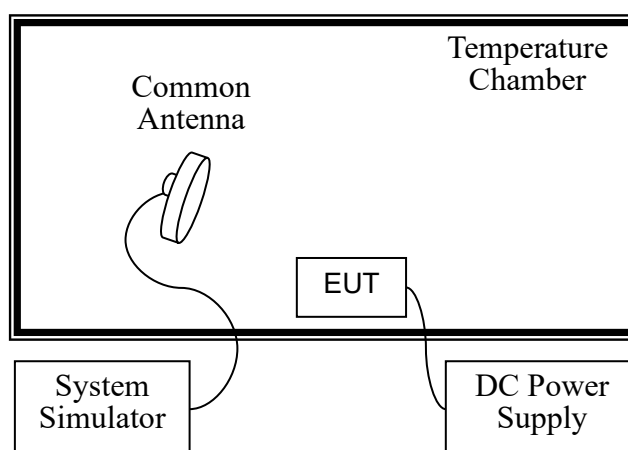
## 4.4 Test Setup

### 4.4.1 For Antenna Port Test



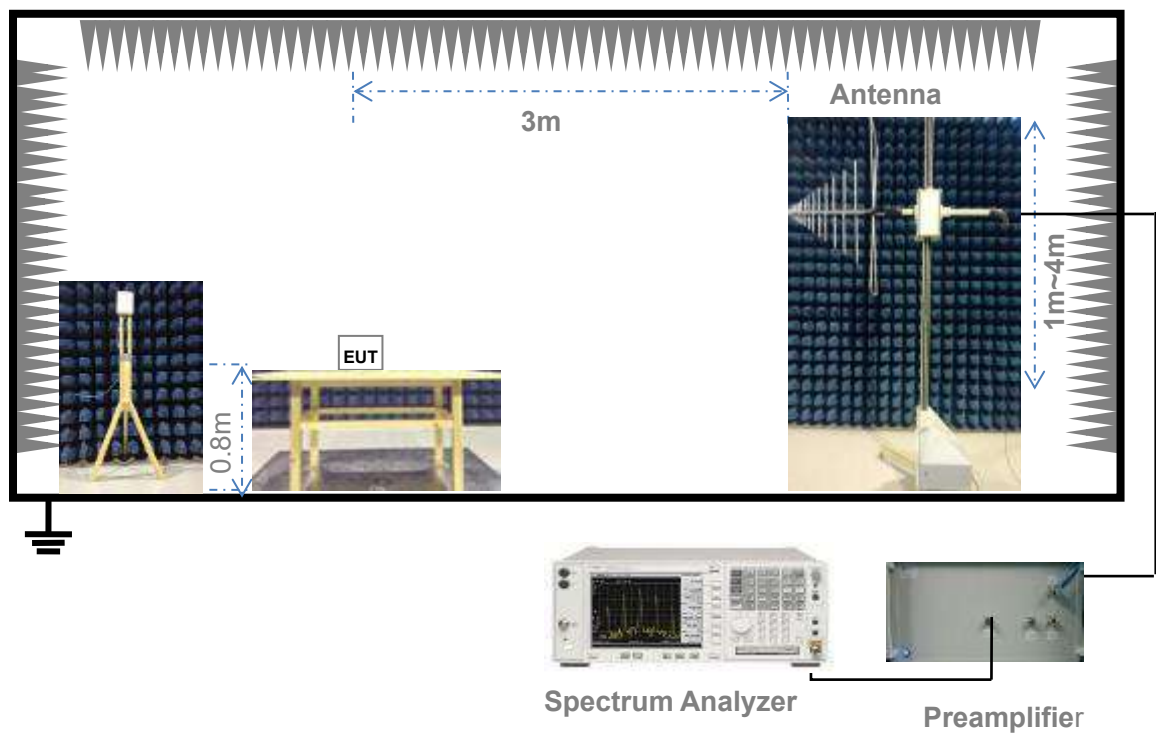
(Diagram 1)

### 4.4.2 For Frequency Stability Test



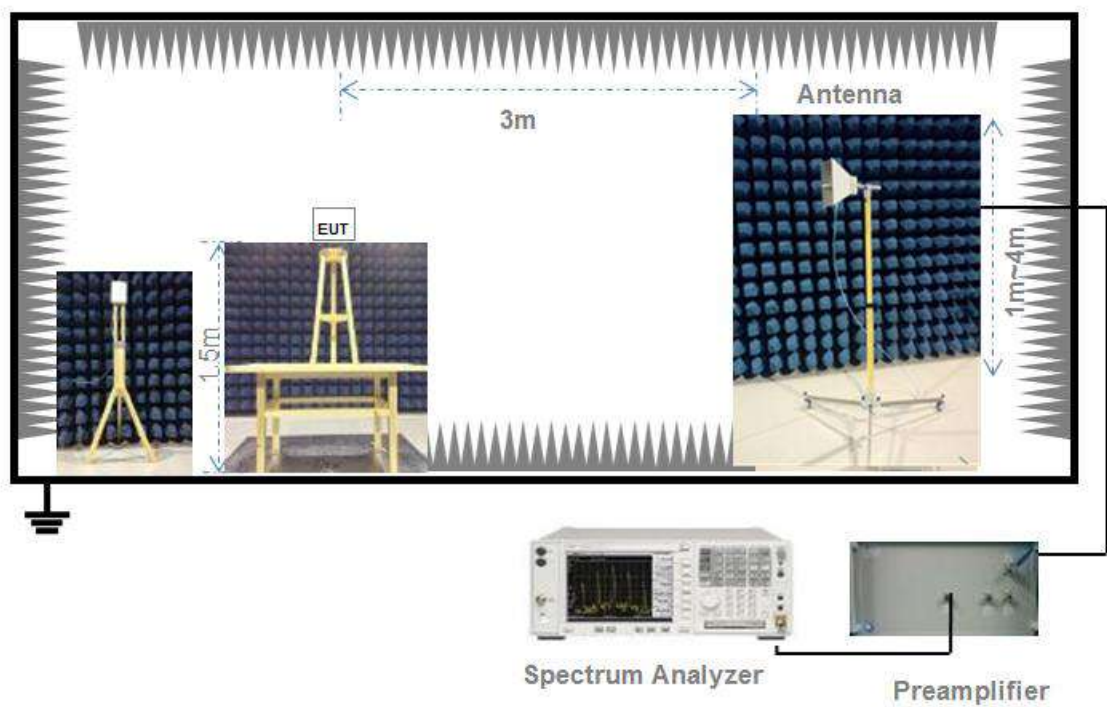
(Diagram 2)

#### 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)

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

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

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

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

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

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

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

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

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

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

#### 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

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.

#### 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)

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.

### 5.5.2 Test Setup

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

### 5.5.3 Test Procedure

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

1. The EUT is coupled to the system simulator and spectrum analyzer; the RF load attached to EUT antenna terminal is 50Ω; the path loss as the factor is calibrated to correct the reading.
2. Base Station is used to establish communication with the EUT, and its parameters are set to force the EUT transmitting at maximum output power.

3. The RF output of the transmitter is connected to the input of the spectrum analyzer through sufficient attenuation.
4. Spurious emissions are tested with 0.001MHz RBW for frequency less than 150kHz, 0.01MHz RBW for frequency less than 30MHz, 0.1MHz RBW for frequency less than 1GHz, and 1MHz RBW for frequency above 1GHz. And sweep point number are at least 401, referring to following formula.

Sweep point number = Span/RBW

VBW=3\*RBW

Detector Mode=mean or average power

5. Record the frequencies and levels of spurious emissions.

#### 5.5.4 Test Result

Please refer to ANNEX A.5.

## 5.6 Band Edge

### 5.6.1 Limit

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

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

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

FCC § 22.917(a) & 24.238(a)

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

FCC § 27.53(a) (4)

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

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

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

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

FCC § 27.53(c)

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

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

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

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

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

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

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

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

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

of at least 30 kHz may be employed;

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

#### FCC § 27.53(g)

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

#### FCC § 27.53(h) (1)

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

#### FCC § 27.53(l) (2)

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

#### FCC § 27.53(m) (4)

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

- $40+10\log P$  dB ( $-10$  dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge.
- $43+10\log P$  dB ( $-13$  dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge,

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

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

#### FCC § 27.53(n) (2)

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

### 5.6.2 Test Setup

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

### 5.6.3 Test Procedure

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

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

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

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

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.

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

Limit Line = -35 dBm + 2.04 dB = -32.96dBm

#### 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)

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.

### 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          | 28.92                             | -6.89              | -9.04              | 19.88     | 0.097   | 7.00      | Pass    |
|           | MCH          | 28.78                             | -6.89              | -9.04              | 19.74     | 0.094   | 7.00      | Pass    |
|           | HCH          | 28.66                             | -6.89              | -9.04              | 19.62     | 0.092   | 7.00      | Pass    |
| GPRS 850  | LCH          | 28.91                             | -6.89              | -9.04              | 19.87     | 0.097   | 7.00      | Pass    |
|           | MCH          | 28.79                             | -6.89              | -9.04              | 19.75     | 0.094   | 7.00      | Pass    |
|           | HCH          | 28.63                             | -6.89              | -9.04              | 19.59     | 0.091   | 7.00      | Pass    |
| EGPRS 850 | LCH          | 29.30                             | -6.89              | -9.04              | 20.26     | 0.106   | 7.00      | Pass    |
|           | MCH          | 29.24                             | -6.89              | -9.04              | 20.20     | 0.105   | 7.00      | Pass    |
|           | HCH          | 29.15                             | -6.89              | -9.04              | 20.11     | 0.103   | 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          | 26.92                             | -2.8               | 24.12      | 0.258    | 2.00      | Pass    |
|            | MCH          | 26.82                             | -2.8               | 24.02      | 0.252    | 2.00      | Pass    |
|            | HCH          | 27.08                             | -2.8               | 24.28      | 0.268    | 2.00      | Pass    |
| GPRS 1900  | LCH          | 26.94                             | -2.8               | 24.14      | 0.259    | 2.00      | Pass    |
|            | MCH          | 26.81                             | -2.8               | 24.01      | 0.252    | 2.00      | Pass    |
|            | HCH          | 27.07                             | -2.8               | 24.27      | 0.267    | 2.00      | Pass    |
| EGPRS 1900 | LCH          | 29.32                             | -2.8               | 26.52      | 0.449    | 2.00      | Pass    |
|            | MCH          | 29.21                             | -2.8               | 26.41      | 0.438    | 2.00      | Pass    |
|            | HCH          | 29.25                             | -2.8               | 26.45      | 0.442    | 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     | 28.91                       | 0.78          | 28.80            | 0.76           | 23.68            | 0.23           | 22.58            | 0.18           |
|              | MCH     | 28.79                       | 0.76          | 28.71            | 0.74           | 23.64            | 0.23           | 22.39            | 0.17           |
|              | HCH     | 28.63                       | 0.73          | 28.56            | 0.72           | 23.56            | 0.23           | 22.44            | 0.18           |
| GPRS<br>1900 | LCH     | 26.94                       | 0.49          | 26.90            | 0.49           | 22.87            | 0.19           | 19.02            | 0.08           |
|              | MCH     | 26.81                       | 0.48          | 26.76            | 0.47           | 22.74            | 0.19           | 18.81            | 0.08           |
|              | HCH     | 27.07                       | 0.51          | 27.02            | 0.50           | 23.01            | 0.20           | 19.07            | 0.08           |

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     | 29.30                       | 0.85          | 28.15            | 0.65           | 20.76            | 0.12           | 19.41            | 0.09           |
|               | MCH     | 29.24                       | 0.84          | 23.02            | 0.20           | 20.74            | 0.12           | 19.43            | 0.09           |
|               | HCH     | 29.15                       | 0.82          | 22.94            | 0.20           | 20.52            | 0.11           | 19.21            | 0.08           |
| EGPRS<br>1900 | LCH     | 29.32                       | 0.86          | 21.18            | 0.13           | 18.91            | 0.08           | 17.52            | 0.06           |
|               | MCH     | 29.21                       | 0.83          | 21.20            | 0.13           | 18.96            | 0.08           | 24.96            | 0.31           |
|               | HCH     | 29.25                       | 0.84          | 21.38            | 0.14           | 19.13            | 0.08           | 17.63            | 0.06           |

## 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          | 18.48                           | -2.8               | 15.68      | 0.037    | 2.00      | Pass    |
|              | MCH          | 18.65                           | -2.8               | 15.85      | 0.038    | 2.00      | Pass    |
|              | HCH          | 18.45                           | -2.8               | 15.65      | 0.037    | 2.00      | Pass    |
| HSDPA Band 2 | LCH          | 17.52                           | -2.8               | 14.72      | 0.030    | 2.00      | Pass    |
|              | MCH          | 17.63                           | -2.8               | 14.83      | 0.030    | 2.00      | Pass    |
|              | HCH          | 17.67                           | -2.8               | 14.87      | 0.031    | 2.00      | Pass    |
| HSUPA Band 2 | LCH          | 16.60                           | -2.8               | 13.80      | 0.024    | 2.00      | Pass    |
|              | MCH          | 16.66                           | -2.8               | 13.86      | 0.024    | 2.00      | Pass    |
|              | HCH          | 16.81                           | -2.8               | 14.01      | 0.025    | 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          | 20.98                           | -2.7               | 18.28      | 0.067    | 1.00      | Pass    |
|              | MCH          | 20.71                           | -2.7               | 18.01      | 0.063    | 1.00      | Pass    |
|              | HCH          | 20.93                           | -2.7               | 18.23      | 0.067    | 1.00      | Pass    |
| HSDPA Band 4 | LCH          | 19.79                           | -2.7               | 17.09      | 0.051    | 1.00      | Pass    |
|              | MCH          | 19.73                           | -2.7               | 17.03      | 0.050    | 1.00      | Pass    |
|              | HCH          | 19.93                           | -2.7               | 17.23      | 0.053    | 1.00      | Pass    |
| HSUPA Band 4 | LCH          | 18.95                           | -2.7               | 16.25      | 0.042    | 1.00      | Pass    |
|              | MCH          | 18.78                           | -2.7               | 16.08      | 0.041    | 1.00      | Pass    |
|              | HCH          | 18.75                           | -2.7               | 16.05      | 0.040    | 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          | 20.48                           | -6.89              | -9.04              | 11.44     | 0.014   | 7.00      | Pass    |
|              | MCH          | 20.51                           | -6.89              | -9.04              | 11.47     | 0.014   | 7.00      | Pass    |
|              | HCH          | 20.43                           | -6.89              | -9.04              | 11.39     | 0.014   | 7.00      | Pass    |
| HSDPA Band 5 | LCH          | 19.67                           | -6.89              | -9.04              | 10.63     | 0.012   | 7.00      | Pass    |
|              | MCH          | 19.54                           | -6.89              | -9.04              | 10.50     | 0.011   | 7.00      | Pass    |
|              | HCH          | 19.72                           | -6.89              | -9.04              | 10.68     | 0.012   | 7.00      | Pass    |
| HSUPA Band 5 | LCH          | 18.67                           | -6.89              | -9.04              | 9.63      | 0.009   | 7.00      | Pass    |
|              | MCH          | 18.51                           | -6.89              | -9.04              | 9.47      | 0.009   | 7.00      | Pass    |
|              | HCH          | 18.69                           | -6.89              | -9.04              | 9.65      | 0.009   | 7.00      | Pass    |

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

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

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

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

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

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

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

#### HSDPA Conducted Output Power

| Conducted Output Power |               | EIRP (dBm) |       |       | EIRP (W) |       |       |
|------------------------|---------------|------------|-------|-------|----------|-------|-------|
| Band                   | Configuration | LCH        | MCH   | HCH   | LCH      | MCH   | HCH   |
| HSDPA B2               | Subtest 1     | 17.50      | 17.63 | 17.67 | 0.056    | 0.058 | 0.058 |
|                        | Subtest 2     | 17.52      | 17.63 | 17.51 | 0.056    | 0.058 | 0.056 |
|                        | Subtest 3     | 17.32      | 17.14 | 17.09 | 0.054    | 0.052 | 0.051 |
|                        | Subtest 4     | 17.09      | 17.15 | 17.12 | 0.051    | 0.052 | 0.052 |
| HSDPA B4               | Subtest 1     | 19.79      | 19.73 | 19.78 | 0.095    | 0.094 | 0.095 |
|                        | Subtest 2     | 19.76      | 19.73 | 19.93 | 0.095    | 0.094 | 0.098 |
|                        | Subtest 3     | 19.38      | 19.19 | 19.23 | 0.087    | 0.083 | 0.084 |
|                        | Subtest 4     | 19.31      | 19.16 | 19.07 | 0.085    | 0.082 | 0.081 |
| Conducted Output Power |               | ERP (dBm)  |       |       | ERP (W)  |       |       |
| Band                   | Configuration | LCH        | MCH   | HCH   | LCH      | MCH   | HCH   |
| HSDPA B5               | Subtest 1     | 19.53      | 19.54 | 19.72 | 0.090    | 0.090 | 0.094 |
|                        | Subtest 2     | 19.67      | 19.52 | 19.52 | 0.093    | 0.090 | 0.090 |
|                        | Subtest 3     | 19.15      | 19.06 | 18.91 | 0.082    | 0.081 | 0.078 |
|                        | Subtest 4     | 18.99      | 19.00 | 18.97 | 0.079    | 0.079 | 0.079 |

HSUPA Conducted Output Power

| Conducted Output Power |               | EIRP (dBm) |       |       | EIRP (W) |       |       |
|------------------------|---------------|------------|-------|-------|----------|-------|-------|
| Band                   | Configuration | LCH        | MCH   | HCH   | LCH      | MCH   | HCH   |
| HSUPA B2               | Subtest 1     | 15.39      | 15.35 | 15.49 | 0.035    | 0.034 | 0.035 |
|                        | Subtest 2     | 15.47      | 15.65 | 15.68 | 0.035    | 0.037 | 0.037 |
|                        | Subtest 3     | 16.60      | 16.66 | 16.57 | 0.046    | 0.046 | 0.045 |
|                        | Subtest 4     | 15.11      | 15.16 | 15.07 | 0.032    | 0.033 | 0.032 |
|                        | Subtest 5     | 16.55      | 16.62 | 16.81 | 0.045    | 0.046 | 0.048 |
| HSUPA B4               | Subtest 1     | 17.68      | 17.50 | 17.49 | 0.059    | 0.056 | 0.056 |
|                        | Subtest 2     | 17.96      | 17.77 | 17.61 | 0.063    | 0.060 | 0.058 |
|                        | Subtest 3     | 18.95      | 18.78 | 18.72 | 0.079    | 0.076 | 0.074 |
|                        | Subtest 4     | 17.34      | 17.24 | 17.22 | 0.054    | 0.053 | 0.053 |
|                        | Subtest 5     | 18.70      | 18.75 | 18.75 | 0.074    | 0.075 | 0.075 |
| Conducted Output Power |               | ERP (dBm)  |       |       | ERP (W)  |       |       |
| Band                   | Configuration | LCH        | MCH   | HCH   | LCH      | MCH   | HCH   |
| HSUPA B5               | Subtest 1     | 17.08      | 17.27 | 17.15 | 0.051    | 0.053 | 0.052 |
|                        | Subtest 2     | 17.51      | 17.52 | 17.51 | 0.056    | 0.056 | 0.056 |
|                        | Subtest 3     | 18.67      | 18.51 | 18.59 | 0.074    | 0.071 | 0.072 |
|                        | Subtest 4     | 16.87      | 17.02 | 16.83 | 0.049    | 0.050 | 0.048 |
|                        | Subtest 5     | 18.60      | 18.49 | 18.69 | 0.072    | 0.071 | 0.074 |

## LTE Mode Test Data

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |
| 1.4 MHz          | LCH          | QPSK      | RB1#0                 | 19.61                           | -2.8               | 16.81      | 0.048    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 20.08                           | -2.8               | 17.28      | 0.053    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 19.79                           | -2.8               | 16.99      | 0.050    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 19.69                           | -2.8               | 16.89      | 0.049    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 20.12                           | -2.8               | 17.32      | 0.054    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 19.9                            | -2.8               | 17.10      | 0.051    | 2.00      | Pass    |
|                  |              |           | RB6#0                 | 18.81                           | -2.8               | 16.01      | 0.040    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 19.27                           | -2.8               | 16.47      | 0.044    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 19.43                           | -2.8               | 16.63      | 0.046    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 19.49                           | -2.8               | 16.69      | 0.047    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 19.35                           | -2.8               | 16.55      | 0.045    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 19.58                           | -2.8               | 16.78      | 0.048    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 19.53                           | -2.8               | 16.73      | 0.047    | 2.00      | Pass    |
|                  |              |           | RB6#0                 | 18                              | -2.8               | 15.20      | 0.033    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 19.76                           | -2.8               | 16.96      | 0.050    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 20.04                           | -2.8               | 17.24      | 0.053    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 19.76                           | -2.8               | 16.96      | 0.050    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 19.98                           | -2.8               | 17.18      | 0.052    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 20.06                           | -2.8               | 17.26      | 0.053    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 19.87                           | -2.8               | 17.07      | 0.051    | 2.00      | Pass    |
|                  |              |           | RB6#0                 | 19.03                           | -2.8               | 16.23      | 0.042    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 19.28                           | -2.8               | 16.48      | 0.044    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 19.66                           | -2.8               | 16.86      | 0.049    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 19.29                           | -2.8               | 16.49      | 0.045    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 19.01                           | -2.8               | 16.21      | 0.042    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 19.56                           | -2.8               | 16.76      | 0.047    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 19.78                           | -2.8               | 16.98      | 0.050    | 2.00      | Pass    |
|                  |              |           | RB6#0                 | 17.95                           | -2.8               | 15.15      | 0.033    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 19.59                           | -2.8               | 16.79      | 0.048    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 19.98                           | -2.8               | 17.18      | 0.052    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 19.96                           | -2.8               | 17.16      | 0.052    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 19.5                            | -2.8               | 16.70      | 0.047    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 19.92                           | -2.8               | 17.12      | 0.052    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 19.9                            | -2.8               | 17.10      | 0.051    | 2.00      | Pass    |
|                  |              |           | RB6#0                 | 18.67                           | -2.8               | 15.87      | 0.039    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 19.15                           | -2.8               | 16.35      | 0.043    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 19.38                           | -2.8               | 16.58      | 0.045    | 2.00      | Pass    |



| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |
| 3 MHz            |              |           | RB1#5                 | 19.22                           | -2.8               | 16.42      | 0.044    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 19.01                           | -2.8               | 16.21      | 0.042    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 19.24                           | -2.8               | 16.44      | 0.044    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 19.37                           | -2.8               | 16.57      | 0.045    | 2.00      | Pass    |
|                  |              |           | RB6#0                 | 17.91                           | -2.8               | 15.11      | 0.032    | 2.00      | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 19.73                           | -2.8               | 16.93      | 0.049    | 2.00      | Pass    |
|                  |              |           | RB1#7                 | 20                              | -2.8               | 17.20      | 0.052    | 2.00      | Pass    |
|                  |              |           | RB1#14                | 19.97                           | -2.8               | 17.17      | 0.052    | 2.00      | Pass    |
|                  |              |           | RB8#0                 | 18.86                           | -2.8               | 16.06      | 0.040    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 18.99                           | -2.8               | 16.19      | 0.042    | 2.00      | Pass    |
|                  |              |           | RB8#7                 | 19.13                           | -2.8               | 16.33      | 0.043    | 2.00      | Pass    |
|                  |              |           | RB15#0                | 18.86                           | -2.8               | 16.06      | 0.040    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 19.34                           | -2.8               | 16.54      | 0.045    | 2.00      | Pass    |
|                  |              |           | RB1#7                 | 19.68                           | -2.8               | 16.88      | 0.049    | 2.00      | Pass    |
|                  |              |           | RB1#14                | 19.53                           | -2.8               | 16.73      | 0.047    | 2.00      | Pass    |
|                  |              |           | RB8#0                 | 18.05                           | -2.8               | 15.25      | 0.033    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 18.1                            | -2.8               | 15.30      | 0.034    | 2.00      | Pass    |
|                  |              |           | RB8#7                 | 18.32                           | -2.8               | 15.52      | 0.036    | 2.00      | Pass    |
|                  |              |           | RB15#0                | 18.16                           | -2.8               | 15.36      | 0.034    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 19.84                           | -2.8               | 17.04      | 0.051    | 2.00      | Pass    |
|                  |              |           | RB1#7                 | 20.3                            | -2.8               | 17.50      | 0.056    | 2.00      | Pass    |
|                  |              |           | RB1#14                | 19.84                           | -2.8               | 17.04      | 0.051    | 2.00      | Pass    |
|                  |              |           | RB8#0                 | 18.91                           | -2.8               | 16.11      | 0.041    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 19.16                           | -2.8               | 16.36      | 0.043    | 2.00      | Pass    |
|                  |              |           | RB8#7                 | 18.79                           | -2.8               | 15.99      | 0.040    | 2.00      | Pass    |
|                  |              |           | RB15#0                | 18.92                           | -2.8               | 16.12      | 0.041    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 19.45                           | -2.8               | 16.65      | 0.046    | 2.00      | Pass    |
|                  |              |           | RB1#7                 | 19.51                           | -2.8               | 16.71      | 0.047    | 2.00      | Pass    |
|                  |              |           | RB1#14                | 19.37                           | -2.8               | 16.57      | 0.045    | 2.00      | Pass    |
|                  |              |           | RB8#0                 | 18.05                           | -2.8               | 15.25      | 0.033    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 18.23                           | -2.8               | 15.43      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB8#7                 | 17.92                           | -2.8               | 15.12      | 0.033    | 2.00      | Pass    |
|                  |              |           | RB15#0                | 17.95                           | -2.8               | 15.15      | 0.033    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 19.73                           | -2.8               | 16.93      | 0.049    | 2.00      | Pass    |
|                  |              |           | RB1#7                 | 19.84                           | -2.8               | 17.04      | 0.051    | 2.00      | Pass    |
|                  |              |           | RB1#14                | 19.79                           | -2.8               | 16.99      | 0.050    | 2.00      | Pass    |
|                  |              |           | RB8#0                 | 18.85                           | -2.8               | 16.05      | 0.040    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 18.99                           | -2.8               | 16.19      | 0.042    | 2.00      | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |
| 5 MHz            |              |           | RB8#7                 | 18.88                           | -2.8               | 16.08      | 0.041    | 2.00      | Pass    |
|                  |              |           | RB15#0                | 18.8                            | -2.8               | 16.00      | 0.040    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 19.08                           | -2.8               | 16.28      | 0.042    | 2.00      | Pass    |
|                  |              |           | RB1#7                 | 19.38                           | -2.8               | 16.58      | 0.045    | 2.00      | Pass    |
|                  |              |           | RB1#14                | 19.45                           | -2.8               | 16.65      | 0.046    | 2.00      | Pass    |
|                  |              |           | RB8#0                 | 17.77                           | -2.8               | 14.97      | 0.031    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 17.86                           | -2.8               | 15.06      | 0.032    | 2.00      | Pass    |
|                  |              |           | RB8#7                 | 17.84                           | -2.8               | 15.04      | 0.032    | 2.00      | Pass    |
|                  |              |           | RB15#0                | 17.9                            | -2.8               | 15.10      | 0.032    | 2.00      | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 19.66                           | -2.8               | 16.86      | 0.049    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 19.89                           | -2.8               | 17.09      | 0.051    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 20.06                           | -2.8               | 17.26      | 0.053    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 18.75                           | -2.8               | 15.95      | 0.039    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 18.93                           | -2.8               | 16.13      | 0.041    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 19.23                           | -2.8               | 16.43      | 0.044    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 18.78                           | -2.8               | 15.98      | 0.040    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 19.3                            | -2.8               | 16.50      | 0.045    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 19.43                           | -2.8               | 16.63      | 0.046    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 19.49                           | -2.8               | 16.69      | 0.047    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 17.9                            | -2.8               | 15.10      | 0.032    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 18.2                            | -2.8               | 15.40      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 18.24                           | -2.8               | 15.44      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 18.09                           | -2.8               | 15.29      | 0.034    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 19.96                           | -2.8               | 17.16      | 0.052    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 20.19                           | -2.8               | 17.39      | 0.055    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 19.71                           | -2.8               | 16.91      | 0.049    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 18.92                           | -2.8               | 16.12      | 0.041    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 19.02                           | -2.8               | 16.22      | 0.042    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 18.9                            | -2.8               | 16.10      | 0.041    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 18.87                           | -2.8               | 16.07      | 0.040    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 19.5                            | -2.8               | 16.70      | 0.047    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 19.52                           | -2.8               | 16.72      | 0.047    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 19.39                           | -2.8               | 16.59      | 0.046    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 18.2                            | -2.8               | 15.40      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 18.24                           | -2.8               | 15.44      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 17.91                           | -2.8               | 15.11      | 0.032    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 18.05                           | -2.8               | 15.25      | 0.033    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 19.56                           | -2.8               | 16.76      | 0.047    | 2.00      | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB1#13                | 19.99                           | -2.8               | 17.19      | 0.052    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 19.83                           | -2.8               | 17.03      | 0.050    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 18.73                           | -2.8               | 15.93      | 0.039    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 18.93                           | -2.8               | 16.13      | 0.041    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 18.67                           | -2.8               | 15.87      | 0.039    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 18.75                           | -2.8               | 15.95      | 0.039    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 18.96                           | -2.8               | 16.16      | 0.041    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 19.45                           | -2.8               | 16.65      | 0.046    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 19.5                            | -2.8               | 16.70      | 0.047    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 17.63                           | -2.8               | 14.83      | 0.030    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 17.86                           | -2.8               | 15.06      | 0.032    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 17.81                           | -2.8               | 15.01      | 0.032    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 17.73                           | -2.8               | 14.93      | 0.031    | 2.00      | Pass    |
| 10 MHz           | LCH          | QPSK      | RB1#0                 | 19.83                           | -2.8               | 17.03      | 0.050    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 20.1                            | -2.8               | 17.30      | 0.054    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 19.8                            | -2.8               | 17.00      | 0.050    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 18.76                           | -2.8               | 15.96      | 0.039    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 19.14                           | -2.8               | 16.34      | 0.043    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 19.06                           | -2.8               | 16.26      | 0.042    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 18.82                           | -2.8               | 16.02      | 0.040    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 19.18                           | -2.8               | 16.38      | 0.043    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 19.7                            | -2.8               | 16.90      | 0.049    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 19.48                           | -2.8               | 16.68      | 0.047    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 17.83                           | -2.8               | 15.03      | 0.032    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 17.98                           | -2.8               | 15.18      | 0.033    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 18.31                           | -2.8               | 15.51      | 0.036    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 18.14                           | -2.8               | 15.34      | 0.034    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 19.93                           | -2.8               | 17.13      | 0.052    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 20.26                           | -2.8               | 17.46      | 0.056    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 19.81                           | -2.8               | 17.01      | 0.050    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 19.1                            | -2.8               | 16.30      | 0.043    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 19.09                           | -2.8               | 16.29      | 0.043    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 18.93                           | -2.8               | 16.13      | 0.041    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 19.04                           | -2.8               | 16.24      | 0.042    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 19.38                           | -2.8               | 16.58      | 0.045    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 19.7                            | -2.8               | 16.90      | 0.049    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 19.27                           | -2.8               | 16.47      | 0.044    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 17.96                           | -2.8               | 15.16      | 0.033    | 2.00      | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |
| 15 MHz           | HCH          |           | RB25#13               | 18.09                           | -2.8               | 15.29      | 0.034    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 17.91                           | -2.8               | 15.11      | 0.032    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 17.96                           | -2.8               | 15.16      | 0.033    | 2.00      | Pass    |
|                  |              | QPSK      | RB1#0                 | 19.57                           | -2.8               | 16.77      | 0.048    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 19.79                           | -2.8               | 16.99      | 0.050    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 19.73                           | -2.8               | 16.93      | 0.049    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 18.75                           | -2.8               | 15.95      | 0.039    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 18.97                           | -2.8               | 16.17      | 0.041    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 18.75                           | -2.8               | 15.95      | 0.039    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 18.75                           | -2.8               | 15.95      | 0.039    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 19                              | -2.8               | 16.20      | 0.042    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 19.21                           | -2.8               | 16.41      | 0.044    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 19.27                           | -2.8               | 16.47      | 0.044    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 17.86                           | -2.8               | 15.06      | 0.032    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 17.84                           | -2.8               | 15.04      | 0.032    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 17.91                           | -2.8               | 15.11      | 0.032    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 17.88                           | -2.8               | 15.08      | 0.032    | 2.00      | Pass    |
| 15 MHz           | LCH          | QPSK      | RB1#0                 | 19.73                           | -2.8               | 16.93      | 0.049    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 19.92                           | -2.8               | 17.12      | 0.052    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 20.01                           | -2.8               | 17.21      | 0.053    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 18.91                           | -2.8               | 16.11      | 0.041    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 19.05                           | -2.8               | 16.25      | 0.042    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 18.96                           | -2.8               | 16.16      | 0.041    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 18.94                           | -2.8               | 16.14      | 0.041    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 19.13                           | -2.8               | 16.33      | 0.043    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 19.53                           | -2.8               | 16.73      | 0.047    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 19.31                           | -2.8               | 16.51      | 0.045    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 17.8                            | -2.8               | 15.00      | 0.032    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 18.2                            | -2.8               | 15.40      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 18.27                           | -2.8               | 15.47      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 18                              | -2.8               | 15.20      | 0.033    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 19.79                           | -2.8               | 16.99      | 0.050    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 20.06                           | -2.8               | 17.26      | 0.053    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 19.66                           | -2.8               | 16.86      | 0.049    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 19.1                            | -2.8               | 16.30      | 0.043    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 19.2                            | -2.8               | 16.40      | 0.044    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 19.01                           | -2.8               | 16.21      | 0.042    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 18.99                           | -2.8               | 16.19      | 0.042    | 2.00      | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |
| 20 MHz           | HCH          | 16-QAM    | RB1#0                 | 19.34                           | -2.8               | 16.54      | 0.045    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 19.51                           | -2.8               | 16.71      | 0.047    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 19.44                           | -2.8               | 16.64      | 0.046    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 17.99                           | -2.8               | 15.19      | 0.033    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 18.26                           | -2.8               | 15.46      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 17.77                           | -2.8               | 14.97      | 0.031    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 17.96                           | -2.8               | 15.16      | 0.033    | 2.00      | Pass    |
|                  |              | QPSK      | RB1#0                 | 19.64                           | -2.8               | 16.84      | 0.048    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 19.77                           | -2.8               | 16.97      | 0.050    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 19.95                           | -2.8               | 17.15      | 0.052    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 18.67                           | -2.8               | 15.87      | 0.039    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 18.86                           | -2.8               | 16.06      | 0.040    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 18.81                           | -2.8               | 16.01      | 0.040    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 18.66                           | -2.8               | 15.86      | 0.039    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 19.06                           | -2.8               | 16.26      | 0.042    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 19.3                            | -2.8               | 16.50      | 0.045    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 19.4                            | -2.8               | 16.60      | 0.046    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 17.81                           | -2.8               | 15.01      | 0.032    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 18.09                           | -2.8               | 15.29      | 0.034    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 17.73                           | -2.8               | 14.93      | 0.031    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 17.75                           | -2.8               | 14.95      | 0.031    | 2.00      | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 19.69                           | -2.8               | 16.89      | 0.049    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 20                              | -2.8               | 17.20      | 0.052    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 19.91                           | -2.8               | 17.11      | 0.051    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 18.79                           | -2.8               | 15.99      | 0.040    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 19                              | -2.8               | 16.20      | 0.042    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 19.09                           | -2.8               | 16.29      | 0.043    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 18.93                           | -2.8               | 16.13      | 0.041    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 19.22                           | -2.8               | 16.42      | 0.044    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 19.57                           | -2.8               | 16.77      | 0.048    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 19.42                           | -2.8               | 16.62      | 0.046    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 17.94                           | -2.8               | 15.14      | 0.033    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 18.12                           | -2.8               | 15.32      | 0.034    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 18.2                            | -2.8               | 15.40      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 18.04                           | -2.8               | 15.24      | 0.033    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 19.88                           | -2.8               | 17.08      | 0.051    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 20.15                           | -2.8               | 17.35      | 0.054    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 19.79                           | -2.8               | 16.99      | 0.050    | 2.00      | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB50#0                | 18.99                           | -2.8               | 16.19      | 0.042    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 19.08                           | -2.8               | 16.28      | 0.042    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 18.86                           | -2.8               | 16.06      | 0.040    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 18.92                           | -2.8               | 16.12      | 0.041    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 19.41                           | -2.8               | 16.61      | 0.046    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 19.66                           | -2.8               | 16.86      | 0.049    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 19.33                           | -2.8               | 16.53      | 0.045    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 18.05                           | -2.8               | 15.25      | 0.033    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 18.11                           | -2.8               | 15.31      | 0.034    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 17.91                           | -2.8               | 15.11      | 0.032    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 17.94                           | -2.8               | 15.14      | 0.033    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 19.6                            | -2.8               | 16.80      | 0.048    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 19.86                           | -2.8               | 17.06      | 0.051    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 19.87                           | -2.8               | 17.07      | 0.051    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 18.73                           | -2.8               | 15.93      | 0.039    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 18.9                            | -2.8               | 16.10      | 0.041    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 18.81                           | -2.8               | 16.01      | 0.040    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 18.76                           | -2.8               | 15.96      | 0.039    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 19.08                           | -2.8               | 16.28      | 0.042    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 19.35                           | -2.8               | 16.55      | 0.045    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 19.37                           | -2.8               | 16.57      | 0.045    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 17.76                           | -2.8               | 14.96      | 0.031    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 17.94                           | -2.8               | 15.14      | 0.033    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 17.83                           | -2.8               | 15.03      | 0.032    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 17.81                           | -2.8               | 15.01      | 0.032    | 2.00      | Pass    |
| 1.4 MHz          | LCH          | 64-QAM    | RB1#0                 | 18.31                           | -2.8               | 15.51      | 0.036    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 18.57                           | -2.8               | 15.77      | 0.038    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 18.5                            | -2.8               | 15.70      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 18.27                           | -2.8               | 15.47      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 18.43                           | -2.8               | 15.63      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 18.64                           | -2.8               | 15.84      | 0.038    | 2.00      | Pass    |
|                  |              |           | RB6#0                 | 16.89                           | -2.8               | 14.09      | 0.026    | 2.00      | Pass    |
|                  | MCH          | 64-QAM    | RB1#0                 | 18.26                           | -2.8               | 15.46      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 18.79                           | -2.8               | 15.99      | 0.040    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 18.44                           | -2.8               | 15.64      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 17.93                           | -2.8               | 15.13      | 0.033    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 18.52                           | -2.8               | 15.72      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 18.68                           | -2.8               | 15.88      | 0.039    | 2.00      | Pass    |



| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  | HCH          | 64-QAM    | RB6#0                 | 17                              | -2.8               | 14.20      | 0.026    | 2.00      | Pass    |
|                  |              |           | RB1#0                 | 18.02                           | -2.8               | 15.22      | 0.033    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 18.5                            | -2.8               | 15.70      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 18.21                           | -2.8               | 15.41      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 18.03                           | -2.8               | 15.23      | 0.033    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 18.34                           | -2.8               | 15.54      | 0.036    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 18.38                           | -2.8               | 15.58      | 0.036    | 2.00      | Pass    |
|                  |              |           | RB6#0                 | 17.01                           | -2.8               | 14.21      | 0.026    | 2.00      | Pass    |
| 3 MHz            | LCH          | 64-QAM    | RB1#0                 | 18.21                           | -2.8               | 15.41      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB1#7                 | 18.59                           | -2.8               | 15.79      | 0.038    | 2.00      | Pass    |
|                  |              |           | RB1#14                | 18.28                           | -2.8               | 15.48      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB8#0                 | 16.91                           | -2.8               | 14.11      | 0.026    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 17.18                           | -2.8               | 14.38      | 0.027    | 2.00      | Pass    |
|                  |              |           | RB8#7                 | 17.43                           | -2.8               | 14.63      | 0.029    | 2.00      | Pass    |
|                  |              |           | RB15#0                | 17.07                           | -2.8               | 14.27      | 0.027    | 2.00      | Pass    |
|                  | MCH          | 64-QAM    | RB1#0                 | 18.58                           | -2.8               | 15.78      | 0.038    | 2.00      | Pass    |
|                  |              |           | RB1#7                 | 18.82                           | -2.8               | 16.02      | 0.040    | 2.00      | Pass    |
|                  |              |           | RB1#14                | 18.23                           | -2.8               | 15.43      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB8#0                 | 16.91                           | -2.8               | 14.11      | 0.026    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 17.11                           | -2.8               | 14.31      | 0.027    | 2.00      | Pass    |
|                  |              |           | RB8#7                 | 16.79                           | -2.8               | 13.99      | 0.025    | 2.00      | Pass    |
|                  |              |           | RB15#0                | 16.74                           | -2.8               | 13.94      | 0.025    | 2.00      | Pass    |
|                  | HCH          | 64-QAM    | RB1#0                 | 17.98                           | -2.8               | 15.18      | 0.033    | 2.00      | Pass    |
|                  |              |           | RB1#7                 | 18.48                           | -2.8               | 15.68      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB1#14                | 18.53                           | -2.8               | 15.73      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB8#0                 | 16.9                            | -2.8               | 14.10      | 0.026    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 16.85                           | -2.8               | 14.05      | 0.025    | 2.00      | Pass    |
|                  |              |           | RB8#7                 | 16.75                           | -2.8               | 13.95      | 0.025    | 2.00      | Pass    |
|                  |              |           | RB15#0                | 16.78                           | -2.8               | 13.98      | 0.025    | 2.00      | Pass    |
| 5 MHz            | LCH          | 64-QAM    | RB1#0                 | 18.36                           | -2.8               | 15.56      | 0.036    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 18.48                           | -2.8               | 15.68      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 18.44                           | -2.8               | 15.64      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 16.81                           | -2.8               | 14.01      | 0.025    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 17.21                           | -2.8               | 14.41      | 0.028    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 17.28                           | -2.8               | 14.48      | 0.028    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 17.08                           | -2.8               | 14.28      | 0.027    | 2.00      | Pass    |
|                  | MCH          | 64-QAM    | RB1#0                 | 18.54                           | -2.8               | 15.74      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 18.56                           | -2.8               | 15.76      | 0.038    | 2.00      | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB1#24                | 18.19                           | -2.8               | 15.39      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 17                              | -2.8               | 14.20      | 0.026    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 17.11                           | -2.8               | 14.31      | 0.027    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 16.67                           | -2.8               | 13.87      | 0.024    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 16.82                           | -2.8               | 14.02      | 0.025    | 2.00      | Pass    |
|                  | HCH          | 64-QAM    | RB1#0                 | 18.02                           | -2.8               | 15.22      | 0.033    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 18.44                           | -2.8               | 15.64      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 18.5                            | -2.8               | 15.70      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 16.79                           | -2.8               | 13.99      | 0.025    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 16.94                           | -2.8               | 14.14      | 0.026    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 16.82                           | -2.8               | 14.02      | 0.025    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 16.82                           | -2.8               | 14.02      | 0.025    | 2.00      | Pass    |
| 10 MHz           | LCH          | 64-QAM    | RB1#0                 | 18.23                           | -2.8               | 15.43      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 18.55                           | -2.8               | 15.75      | 0.038    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 18.27                           | -2.8               | 15.47      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 16.99                           | -2.8               | 14.19      | 0.026    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 17.19                           | -2.8               | 14.39      | 0.027    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 17.37                           | -2.8               | 14.57      | 0.029    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 17.03                           | -2.8               | 14.23      | 0.026    | 2.00      | Pass    |
|                  | MCH          | 64-QAM    | RB1#0                 | 18.51                           | -2.8               | 15.71      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 18.71                           | -2.8               | 15.91      | 0.039    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 18.22                           | -2.8               | 15.42      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 17.08                           | -2.8               | 14.28      | 0.027    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 17.1                            | -2.8               | 14.30      | 0.027    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 16.74                           | -2.8               | 13.94      | 0.025    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 16.73                           | -2.8               | 13.93      | 0.025    | 2.00      | Pass    |
|                  | HCH          | 64-QAM    | RB1#0                 | 18.1                            | -2.8               | 15.30      | 0.034    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 18.54                           | -2.8               | 15.74      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 18.54                           | -2.8               | 15.74      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 16.84                           | -2.8               | 14.04      | 0.025    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 16.97                           | -2.8               | 14.17      | 0.026    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 16.92                           | -2.8               | 14.12      | 0.026    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 16.75                           | -2.8               | 13.95      | 0.025    | 2.00      | Pass    |
| 15 MHz           | LCH          | 64-QAM    | RB1#0                 | 18.35                           | -2.8               | 15.55      | 0.036    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 18.65                           | -2.8               | 15.85      | 0.038    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 18.5                            | -2.8               | 15.70      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 17.08                           | -2.8               | 14.28      | 0.027    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 16.96                           | -2.8               | 14.16      | 0.026    | 2.00      | Pass    |



| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB36#39               | 17.17                           | -2.8               | 14.37      | 0.027    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 17.12                           | -2.8               | 14.32      | 0.027    | 2.00      | Pass    |
|                  | MCH          | 64-QAM    | RB1#0                 | 18.41                           | -2.8               | 15.61      | 0.036    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 18.55                           | -2.8               | 15.75      | 0.038    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 18.21                           | -2.8               | 15.41      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 16.94                           | -2.8               | 14.14      | 0.026    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 17.1                            | -2.8               | 14.30      | 0.027    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 16.88                           | -2.8               | 14.08      | 0.026    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 16.71                           | -2.8               | 13.91      | 0.025    | 2.00      | Pass    |
|                  | HCH          | 64-QAM    | RB1#0                 | 18.28                           | -2.8               | 15.48      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 18.24                           | -2.8               | 15.44      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 18.28                           | -2.8               | 15.48      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 16.96                           | -2.8               | 14.16      | 0.026    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 16.79                           | -2.8               | 13.99      | 0.025    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 16.97                           | -2.8               | 14.17      | 0.026    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 16.64                           | -2.8               | 13.84      | 0.024    | 2.00      | Pass    |
| 20 MHz           | LCH          | 64-QAM    | RB1#0                 | 18.28                           | -2.8               | 15.48      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 18.51                           | -2.8               | 15.71      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 18.41                           | -2.8               | 15.61      | 0.036    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 16.94                           | -2.8               | 14.14      | 0.026    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 17.06                           | -2.8               | 14.26      | 0.027    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 17.28                           | -2.8               | 14.48      | 0.028    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 17.08                           | -2.8               | 14.28      | 0.027    | 2.00      | Pass    |
|                  | MCH          | 64-QAM    | RB1#0                 | 18.55                           | -2.8               | 15.75      | 0.038    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 18.7                            | -2.8               | 15.90      | 0.039    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 18.2                            | -2.8               | 15.40      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 17.06                           | -2.8               | 14.26      | 0.027    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 17.08                           | -2.8               | 14.28      | 0.027    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 16.79                           | -2.8               | 13.99      | 0.025    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 16.86                           | -2.8               | 14.06      | 0.025    | 2.00      | Pass    |
|                  | HCH          | 64-QAM    | RB1#0                 | 18.13                           | -2.8               | 15.33      | 0.034    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 18.39                           | -2.8               | 15.59      | 0.036    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 18.41                           | -2.8               | 15.61      | 0.036    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 16.86                           | -2.8               | 14.06      | 0.025    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 16.85                           | -2.8               | 14.05      | 0.025    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 16.87                           | -2.8               | 14.07      | 0.026    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 16.75                           | -2.8               | 13.95      | 0.025    | 2.00      | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |
| 1.4 MHz          | LCH          | QPSK      | RB1#0                 | 21.39                           | -2.7               | 18.69      | 0.074    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 21.69                           | -2.7               | 18.99      | 0.079    | 1.000     | Pass    |
|                  |              |           | RB1#5                 | 21.69                           | -2.7               | 18.99      | 0.079    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 21.53                           | -2.7               | 18.83      | 0.076    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 21.67                           | -2.7               | 18.97      | 0.079    | 1.000     | Pass    |
|                  |              |           | RB3#3                 | 21.84                           | -2.7               | 19.14      | 0.082    | 1.000     | Pass    |
|                  |              |           | RB6#0                 | 20.78                           | -2.7               | 18.08      | 0.064    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.11                           | -2.7               | 18.41      | 0.069    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 21.48                           | -2.7               | 18.78      | 0.076    | 1.000     | Pass    |
|                  |              |           | RB1#5                 | 21.37                           | -2.7               | 18.67      | 0.074    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 21.03                           | -2.7               | 18.33      | 0.068    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 21.42                           | -2.7               | 18.72      | 0.074    | 1.000     | Pass    |
|                  |              |           | RB3#3                 | 21.26                           | -2.7               | 18.56      | 0.072    | 1.000     | Pass    |
|                  |              |           | RB6#0                 | 19.79                           | -2.7               | 17.09      | 0.051    | 1.000     | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 21.55                           | -2.7               | 18.85      | 0.077    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 22.05                           | -2.7               | 19.35      | 0.086    | 1.000     | Pass    |
|                  |              |           | RB1#5                 | 21.89                           | -2.7               | 19.19      | 0.083    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 21.57                           | -2.7               | 18.87      | 0.077    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 21.87                           | -2.7               | 19.17      | 0.083    | 1.000     | Pass    |
|                  |              |           | RB3#3                 | 21.81                           | -2.7               | 19.11      | 0.081    | 1.000     | Pass    |
|                  |              |           | RB6#0                 | 20.92                           | -2.7               | 18.22      | 0.066    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.07                           | -2.7               | 18.37      | 0.069    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 21.45                           | -2.7               | 18.75      | 0.075    | 1.000     | Pass    |
|                  |              |           | RB1#5                 | 21.4                            | -2.7               | 18.70      | 0.074    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 20.75                           | -2.7               | 18.05      | 0.064    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 21.17                           | -2.7               | 18.47      | 0.070    | 1.000     | Pass    |
|                  |              |           | RB3#3                 | 21.41                           | -2.7               | 18.71      | 0.074    | 1.000     | Pass    |
|                  |              |           | RB6#0                 | 19.79                           | -2.7               | 17.09      | 0.051    | 1.000     | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 21.57                           | -2.7               | 18.87      | 0.077    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 22.06                           | -2.7               | 19.36      | 0.086    | 1.000     | Pass    |
|                  |              |           | RB1#5                 | 21.9                            | -2.7               | 19.20      | 0.083    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 21.59                           | -2.7               | 18.89      | 0.077    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 21.86                           | -2.7               | 19.16      | 0.082    | 1.000     | Pass    |
|                  |              |           | RB3#3                 | 21.94                           | -2.7               | 19.24      | 0.084    | 1.000     | Pass    |
|                  |              |           | RB6#0                 | 20.81                           | -2.7               | 18.11      | 0.065    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.07                           | -2.7               | 18.37      | 0.069    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 21.54                           | -2.7               | 18.84      | 0.077    | 1.000     | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |
| 3 MHz            |              |           | RB1#5                 | 21.4                            | -2.7               | 18.70      | 0.074    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 21.16                           | -2.7               | 18.46      | 0.070    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 21.51                           | -2.7               | 18.81      | 0.076    | 1.000     | Pass    |
|                  |              |           | RB3#3                 | 21.32                           | -2.7               | 18.62      | 0.073    | 1.000     | Pass    |
|                  |              |           | RB6#0                 | 19.85                           | -2.7               | 17.15      | 0.052    | 1.000     | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 21.59                           | -2.7               | 18.89      | 0.077    | 1.000     | Pass    |
|                  |              |           | RB1#7                 | 21.71                           | -2.7               | 19.01      | 0.080    | 1.000     | Pass    |
|                  |              |           | RB1#14                | 21.73                           | -2.7               | 19.03      | 0.080    | 1.000     | Pass    |
|                  |              |           | RB8#0                 | 20.77                           | -2.7               | 18.07      | 0.064    | 1.000     | Pass    |
|                  |              |           | RB8#4                 | 20.77                           | -2.7               | 18.07      | 0.064    | 1.000     | Pass    |
|                  |              |           | RB8#7                 | 20.79                           | -2.7               | 18.09      | 0.064    | 1.000     | Pass    |
|                  |              |           | RB15#0                | 20.66                           | -2.7               | 17.96      | 0.063    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.13                           | -2.7               | 18.43      | 0.070    | 1.000     | Pass    |
|                  |              |           | RB1#7                 | 21.27                           | -2.7               | 18.57      | 0.072    | 1.000     | Pass    |
|                  |              |           | RB1#14                | 21.24                           | -2.7               | 18.54      | 0.071    | 1.000     | Pass    |
|                  |              |           | RB8#0                 | 19.66                           | -2.7               | 16.96      | 0.050    | 1.000     | Pass    |
|                  |              |           | RB8#4                 | 19.95                           | -2.7               | 17.25      | 0.053    | 1.000     | Pass    |
|                  |              |           | RB8#7                 | 20.01                           | -2.7               | 17.31      | 0.054    | 1.000     | Pass    |
|                  |              |           | RB15#0                | 19.79                           | -2.7               | 17.09      | 0.051    | 1.000     | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 21.61                           | -2.7               | 18.91      | 0.078    | 1.000     | Pass    |
|                  |              |           | RB1#7                 | 22.03                           | -2.7               | 19.33      | 0.086    | 1.000     | Pass    |
|                  |              |           | RB1#14                | 21.92                           | -2.7               | 19.22      | 0.084    | 1.000     | Pass    |
|                  |              |           | RB8#0                 | 20.82                           | -2.7               | 18.12      | 0.065    | 1.000     | Pass    |
|                  |              |           | RB8#4                 | 20.91                           | -2.7               | 18.21      | 0.066    | 1.000     | Pass    |
|                  |              |           | RB8#7                 | 20.94                           | -2.7               | 18.24      | 0.067    | 1.000     | Pass    |
|                  |              |           | RB15#0                | 20.9                            | -2.7               | 18.20      | 0.066    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.08                           | -2.7               | 18.38      | 0.069    | 1.000     | Pass    |
|                  |              |           | RB1#7                 | 21.61                           | -2.7               | 18.91      | 0.078    | 1.000     | Pass    |
|                  |              |           | RB1#14                | 21.21                           | -2.7               | 18.51      | 0.071    | 1.000     | Pass    |
|                  |              |           | RB8#0                 | 19.89                           | -2.7               | 17.19      | 0.052    | 1.000     | Pass    |
|                  |              |           | RB8#4                 | 20                              | -2.7               | 17.30      | 0.054    | 1.000     | Pass    |
|                  |              |           | RB8#7                 | 19.92                           | -2.7               | 17.22      | 0.053    | 1.000     | Pass    |
|                  |              |           | RB15#0                | 19.92                           | -2.7               | 17.22      | 0.053    | 1.000     | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 21.67                           | -2.7               | 18.97      | 0.079    | 1.000     | Pass    |
|                  |              |           | RB1#7                 | 21.95                           | -2.7               | 19.25      | 0.084    | 1.000     | Pass    |
|                  |              |           | RB1#14                | 21.77                           | -2.7               | 19.07      | 0.081    | 1.000     | Pass    |
|                  |              |           | RB8#0                 | 20.89                           | -2.7               | 18.19      | 0.066    | 1.000     | Pass    |
|                  |              |           | RB8#4                 | 21.13                           | -2.7               | 18.43      | 0.070    | 1.000     | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB8#7                 | 20.94                           | -2.7               | 18.24      | 0.067    | 1.000     | Pass    |
|                  |              |           | RB15#0                | 21                              | -2.7               | 18.30      | 0.068    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.21                           | -2.7               | 18.51      | 0.071    | 1.000     | Pass    |
|                  |              |           | RB1#7                 | 21.57                           | -2.7               | 18.87      | 0.077    | 1.000     | Pass    |
|                  |              |           | RB1#14                | 21.42                           | -2.7               | 18.72      | 0.074    | 1.000     | Pass    |
|                  |              |           | RB8#0                 | 19.77                           | -2.7               | 17.07      | 0.051    | 1.000     | Pass    |
|                  |              |           | RB8#4                 | 20.04                           | -2.7               | 17.34      | 0.054    | 1.000     | Pass    |
|                  |              |           | RB8#7                 | 19.92                           | -2.7               | 17.22      | 0.053    | 1.000     | Pass    |
|                  |              |           | RB15#0                | 19.81                           | -2.7               | 17.11      | 0.051    | 1.000     | Pass    |
| 5 MHz            | LCH          | QPSK      | RB1#0                 | 21.54                           | -2.7               | 18.84      | 0.077    | 1.000     | Pass    |
|                  |              |           | RB1#13                | 21.9                            | -2.7               | 19.20      | 0.083    | 1.000     | Pass    |
|                  |              |           | RB1#24                | 21.55                           | -2.7               | 18.85      | 0.077    | 1.000     | Pass    |
|                  |              |           | RB12#0                | 20.65                           | -2.7               | 17.95      | 0.062    | 1.000     | Pass    |
|                  |              |           | RB12#6                | 20.95                           | -2.7               | 18.25      | 0.067    | 1.000     | Pass    |
|                  |              |           | RB12#13               | 20.69                           | -2.7               | 17.99      | 0.063    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 20.67                           | -2.7               | 17.97      | 0.063    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.23                           | -2.7               | 18.53      | 0.071    | 1.000     | Pass    |
|                  |              |           | RB1#13                | 21.5                            | -2.7               | 18.80      | 0.076    | 1.000     | Pass    |
|                  |              |           | RB1#24                | 21.32                           | -2.7               | 18.62      | 0.073    | 1.000     | Pass    |
|                  |              |           | RB12#0                | 19.73                           | -2.7               | 17.03      | 0.050    | 1.000     | Pass    |
|                  |              |           | RB12#6                | 19.98                           | -2.7               | 17.28      | 0.053    | 1.000     | Pass    |
|                  |              |           | RB12#13               | 19.92                           | -2.7               | 17.22      | 0.053    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 19.77                           | -2.7               | 17.07      | 0.051    | 1.000     | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 21.47                           | -2.7               | 18.77      | 0.075    | 1.000     | Pass    |
|                  |              |           | RB1#13                | 21.98                           | -2.7               | 19.28      | 0.085    | 1.000     | Pass    |
|                  |              |           | RB1#24                | 21.84                           | -2.7               | 19.14      | 0.082    | 1.000     | Pass    |
|                  |              |           | RB12#0                | 20.87                           | -2.7               | 18.17      | 0.066    | 1.000     | Pass    |
|                  |              |           | RB12#6                | 20.85                           | -2.7               | 18.15      | 0.065    | 1.000     | Pass    |
|                  |              |           | RB12#13               | 20.83                           | -2.7               | 18.13      | 0.065    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 20.83                           | -2.7               | 18.13      | 0.065    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.08                           | -2.7               | 18.38      | 0.069    | 1.000     | Pass    |
|                  |              |           | RB1#13                | 21.43                           | -2.7               | 18.73      | 0.075    | 1.000     | Pass    |
|                  |              |           | RB1#24                | 21.28                           | -2.7               | 18.58      | 0.072    | 1.000     | Pass    |
|                  |              |           | RB12#0                | 19.76                           | -2.7               | 17.06      | 0.051    | 1.000     | Pass    |
|                  |              |           | RB12#6                | 20                              | -2.7               | 17.30      | 0.054    | 1.000     | Pass    |
|                  |              |           | RB12#13               | 19.97                           | -2.7               | 17.27      | 0.053    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 19.77                           | -2.7               | 17.07      | 0.051    | 1.000     | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 21.78                           | -2.7               | 19.08      | 0.081    | 1.000     | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB1#13                | 21.96                           | -2.7               | 19.26      | 0.084    | 1.000     | Pass    |
|                  |              |           | RB1#24                | 21.91                           | -2.7               | 19.21      | 0.083    | 1.000     | Pass    |
|                  |              |           | RB12#0                | 20.64                           | -2.7               | 17.94      | 0.062    | 1.000     | Pass    |
|                  |              |           | RB12#6                | 21.17                           | -2.7               | 18.47      | 0.070    | 1.000     | Pass    |
|                  |              |           | RB12#13               | 20.91                           | -2.7               | 18.21      | 0.066    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 20.79                           | -2.7               | 18.09      | 0.064    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.05                           | -2.7               | 18.35      | 0.068    | 1.000     | Pass    |
|                  |              |           | RB1#13                | 21.45                           | -2.7               | 18.75      | 0.075    | 1.000     | Pass    |
|                  |              |           | RB1#24                | 21.49                           | -2.7               | 18.79      | 0.076    | 1.000     | Pass    |
|                  |              |           | RB12#0                | 19.81                           | -2.7               | 17.11      | 0.051    | 1.000     | Pass    |
|                  |              |           | RB12#6                | 19.99                           | -2.7               | 17.29      | 0.054    | 1.000     | Pass    |
|                  |              |           | RB12#13               | 19.84                           | -2.7               | 17.14      | 0.052    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 19.77                           | -2.7               | 17.07      | 0.051    | 1.000     | Pass    |
| 10 MHz           | LCH          | QPSK      | RB1#0                 | 21.41                           | -2.7               | 18.71      | 0.074    | 1.000     | Pass    |
|                  |              |           | RB1#25                | 21.73                           | -2.7               | 19.03      | 0.080    | 1.000     | Pass    |
|                  |              |           | RB1#49                | 21.68                           | -2.7               | 18.98      | 0.079    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 20.77                           | -2.7               | 18.07      | 0.064    | 1.000     | Pass    |
|                  |              |           | RB25#13               | 20.99                           | -2.7               | 18.29      | 0.067    | 1.000     | Pass    |
|                  |              |           | RB25#25               | 20.92                           | -2.7               | 18.22      | 0.066    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 20.73                           | -2.7               | 18.03      | 0.064    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.14                           | -2.7               | 18.44      | 0.070    | 1.000     | Pass    |
|                  |              |           | RB1#25                | 21.22                           | -2.7               | 18.52      | 0.071    | 1.000     | Pass    |
|                  |              |           | RB1#49                | 21.3                            | -2.7               | 18.60      | 0.072    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 19.73                           | -2.7               | 17.03      | 0.050    | 1.000     | Pass    |
|                  |              |           | RB25#13               | 19.84                           | -2.7               | 17.14      | 0.052    | 1.000     | Pass    |
|                  |              |           | RB25#25               | 19.75                           | -2.7               | 17.05      | 0.051    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 19.68                           | -2.7               | 16.98      | 0.050    | 1.000     | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 21.75                           | -2.7               | 19.05      | 0.080    | 1.000     | Pass    |
|                  |              |           | RB1#25                | 21.95                           | -2.7               | 19.25      | 0.084    | 1.000     | Pass    |
|                  |              |           | RB1#49                | 21.98                           | -2.7               | 19.28      | 0.085    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 20.76                           | -2.7               | 18.06      | 0.064    | 1.000     | Pass    |
|                  |              |           | RB25#13               | 20.8                            | -2.7               | 18.10      | 0.065    | 1.000     | Pass    |
|                  |              |           | RB25#25               | 21.06                           | -2.7               | 18.36      | 0.069    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 20.86                           | -2.7               | 18.16      | 0.065    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.23                           | -2.7               | 18.53      | 0.071    | 1.000     | Pass    |
|                  |              |           | RB1#25                | 21.54                           | -2.7               | 18.84      | 0.077    | 1.000     | Pass    |
|                  |              |           | RB1#49                | 21.23                           | -2.7               | 18.53      | 0.071    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 19.84                           | -2.7               | 17.14      | 0.052    | 1.000     | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |
| 15 MHz           | HCH          |           | RB25#13               | 20.04                           | -2.7               | 17.34      | 0.054    | 1.000     | Pass    |
|                  |              |           | RB25#25               | 20.05                           | -2.7               | 17.35      | 0.054    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 19.96                           | -2.7               | 17.26      | 0.053    | 1.000     | Pass    |
|                  |              | QPSK      | RB1#0                 | 21.69                           | -2.7               | 18.99      | 0.079    | 1.000     | Pass    |
|                  |              |           | RB1#25                | 22.01                           | -2.7               | 19.31      | 0.085    | 1.000     | Pass    |
|                  |              |           | RB1#49                | 22.05                           | -2.7               | 19.35      | 0.086    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 20.79                           | -2.7               | 18.09      | 0.064    | 1.000     | Pass    |
|                  |              |           | RB25#13               | 21.1                            | -2.7               | 18.40      | 0.069    | 1.000     | Pass    |
|                  |              |           | RB25#25               | 21.02                           | -2.7               | 18.32      | 0.068    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 21.05                           | -2.7               | 18.35      | 0.068    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.05                           | -2.7               | 18.35      | 0.068    | 1.000     | Pass    |
|                  |              |           | RB1#25                | 21.5                            | -2.7               | 18.80      | 0.076    | 1.000     | Pass    |
|                  |              |           | RB1#49                | 21.28                           | -2.7               | 18.58      | 0.072    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 19.91                           | -2.7               | 17.21      | 0.053    | 1.000     | Pass    |
|                  |              |           | RB25#13               | 20.16                           | -2.7               | 17.46      | 0.056    | 1.000     | Pass    |
|                  |              |           | RB25#25               | 20.05                           | -2.7               | 17.35      | 0.054    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 19.99                           | -2.7               | 17.29      | 0.054    | 1.000     | Pass    |
| 15 MHz           | LCH          | QPSK      | RB1#0                 | 21.41                           | -2.7               | 18.71      | 0.074    | 1.000     | Pass    |
|                  |              |           | RB1#38                | 21.94                           | -2.7               | 19.24      | 0.084    | 1.000     | Pass    |
|                  |              |           | RB1#74                | 21.85                           | -2.7               | 19.15      | 0.082    | 1.000     | Pass    |
|                  |              |           | RB36#0                | 20.81                           | -2.7               | 18.11      | 0.065    | 1.000     | Pass    |
|                  |              |           | RB36#19               | 20.93                           | -2.7               | 18.23      | 0.067    | 1.000     | Pass    |
|                  |              |           | RB36#39               | 20.86                           | -2.7               | 18.16      | 0.065    | 1.000     | Pass    |
|                  |              |           | RB75#0                | 20.84                           | -2.7               | 18.14      | 0.065    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.14                           | -2.7               | 18.44      | 0.070    | 1.000     | Pass    |
|                  |              |           | RB1#38                | 21.31                           | -2.7               | 18.61      | 0.073    | 1.000     | Pass    |
|                  |              |           | RB1#74                | 21.38                           | -2.7               | 18.68      | 0.074    | 1.000     | Pass    |
|                  |              |           | RB36#0                | 19.72                           | -2.7               | 17.02      | 0.050    | 1.000     | Pass    |
|                  |              |           | RB36#19               | 19.71                           | -2.7               | 17.01      | 0.050    | 1.000     | Pass    |
|                  |              |           | RB36#39               | 19.81                           | -2.7               | 17.11      | 0.051    | 1.000     | Pass    |
|                  |              |           | RB75#0                | 19.91                           | -2.7               | 17.21      | 0.053    | 1.000     | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 21.64                           | -2.7               | 18.94      | 0.078    | 1.000     | Pass    |
|                  |              |           | RB1#38                | 21.88                           | -2.7               | 19.18      | 0.083    | 1.000     | Pass    |
|                  |              |           | RB1#74                | 21.75                           | -2.7               | 19.05      | 0.080    | 1.000     | Pass    |
|                  |              |           | RB36#0                | 20.61                           | -2.7               | 17.91      | 0.062    | 1.000     | Pass    |
|                  |              |           | RB36#19               | 20.94                           | -2.7               | 18.24      | 0.067    | 1.000     | Pass    |
|                  |              |           | RB36#39               | 20.97                           | -2.7               | 18.27      | 0.067    | 1.000     | Pass    |
|                  |              |           | RB75#0                | 20.75                           | -2.7               | 18.05      | 0.064    | 1.000     | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |
| 20 MHz           | HCH          | 16-QAM    | RB1#0                 | 21.1                            | -2.7               | 18.40      | 0.069    | 1.000     | Pass    |
|                  |              |           | RB1#38                | 21.46                           | -2.7               | 18.76      | 0.075    | 1.000     | Pass    |
|                  |              |           | RB1#74                | 21.37                           | -2.7               | 18.67      | 0.074    | 1.000     | Pass    |
|                  |              |           | RB36#0                | 19.96                           | -2.7               | 17.26      | 0.053    | 1.000     | Pass    |
|                  |              |           | RB36#19               | 19.87                           | -2.7               | 17.17      | 0.052    | 1.000     | Pass    |
|                  |              |           | RB36#39               | 19.91                           | -2.7               | 17.21      | 0.053    | 1.000     | Pass    |
|                  |              |           | RB75#0                | 19.82                           | -2.7               | 17.12      | 0.052    | 1.000     | Pass    |
|                  |              | QPSK      | RB1#0                 | 21.73                           | -2.7               | 19.03      | 0.080    | 1.000     | Pass    |
|                  |              |           | RB1#38                | 21.85                           | -2.7               | 19.15      | 0.082    | 1.000     | Pass    |
|                  |              |           | RB1#74                | 21.82                           | -2.7               | 19.12      | 0.082    | 1.000     | Pass    |
|                  |              |           | RB36#0                | 20.85                           | -2.7               | 18.15      | 0.065    | 1.000     | Pass    |
|                  |              |           | RB36#19               | 21.1                            | -2.7               | 18.40      | 0.069    | 1.000     | Pass    |
|                  |              |           | RB36#39               | 20.97                           | -2.7               | 18.27      | 0.067    | 1.000     | Pass    |
|                  |              |           | RB75#0                | 21.04                           | -2.7               | 18.34      | 0.068    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.15                           | -2.7               | 18.45      | 0.070    | 1.000     | Pass    |
|                  |              |           | RB1#38                | 21.3                            | -2.7               | 18.60      | 0.072    | 1.000     | Pass    |
|                  |              |           | RB1#74                | 21.46                           | -2.7               | 18.76      | 0.075    | 1.000     | Pass    |
|                  |              |           | RB36#0                | 19.84                           | -2.7               | 17.14      | 0.052    | 1.000     | Pass    |
|                  |              |           | RB36#19               | 19.91                           | -2.7               | 17.21      | 0.053    | 1.000     | Pass    |
|                  |              |           | RB36#39               | 20.03                           | -2.7               | 17.33      | 0.054    | 1.000     | Pass    |
|                  |              |           | RB75#0                | 19.91                           | -2.7               | 17.21      | 0.053    | 1.000     | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 21.54                           | -2.7               | 18.84      | 0.077    | 1.000     | Pass    |
|                  |              |           | RB1#50                | 21.81                           | -2.7               | 19.11      | 0.081    | 1.000     | Pass    |
|                  |              |           | RB1#99                | 21.7                            | -2.7               | 19.00      | 0.079    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 20.7                            | -2.7               | 18.00      | 0.063    | 1.000     | Pass    |
|                  |              |           | RB50#25               | 20.84                           | -2.7               | 18.14      | 0.065    | 1.000     | Pass    |
|                  |              |           | RB50#50               | 20.78                           | -2.7               | 18.08      | 0.064    | 1.000     | Pass    |
|                  |              |           | RB100#0               | 20.72                           | -2.7               | 18.02      | 0.063    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.1                            | -2.7               | 18.40      | 0.069    | 1.000     | Pass    |
|                  |              |           | RB1#50                | 21.36                           | -2.7               | 18.66      | 0.073    | 1.000     | Pass    |
|                  |              |           | RB1#99                | 21.27                           | -2.7               | 18.57      | 0.072    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 19.74                           | -2.7               | 17.04      | 0.051    | 1.000     | Pass    |
|                  |              |           | RB50#25               | 19.86                           | -2.7               | 17.16      | 0.052    | 1.000     | Pass    |
|                  |              |           | RB50#50               | 19.87                           | -2.7               | 17.17      | 0.052    | 1.000     | Pass    |
|                  |              |           | RB100#0               | 19.76                           | -2.7               | 17.06      | 0.051    | 1.000     | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 21.62                           | -2.7               | 18.92      | 0.078    | 1.000     | Pass    |
|                  |              |           | RB1#50                | 21.9                            | -2.7               | 19.20      | 0.083    | 1.000     | Pass    |
|                  |              |           | RB1#99                | 21.85                           | -2.7               | 19.15      | 0.082    | 1.000     | Pass    |



| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB50#0                | 20.73                           | -2.7               | 18.03      | 0.064    | 1.000     | Pass    |
|                  |              |           | RB50#25               | 20.88                           | -2.7               | 18.18      | 0.066    | 1.000     | Pass    |
|                  |              |           | RB50#50               | 20.96                           | -2.7               | 18.26      | 0.067    | 1.000     | Pass    |
|                  |              |           | RB100#0               | 20.86                           | -2.7               | 18.16      | 0.065    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.14                           | -2.7               | 18.44      | 0.070    | 1.000     | Pass    |
|                  |              |           | RB1#50                | 21.46                           | -2.7               | 18.76      | 0.075    | 1.000     | Pass    |
|                  |              |           | RB1#99                | 21.34                           | -2.7               | 18.64      | 0.073    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 19.82                           | -2.7               | 17.12      | 0.052    | 1.000     | Pass    |
|                  |              |           | RB50#25               | 19.94                           | -2.7               | 17.24      | 0.053    | 1.000     | Pass    |
|                  |              |           | RB50#50               | 20                              | -2.7               | 17.30      | 0.054    | 1.000     | Pass    |
|                  |              |           | RB100#0               | 19.89                           | -2.7               | 17.19      | 0.052    | 1.000     | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 21.63                           | -2.7               | 18.93      | 0.078    | 1.000     | Pass    |
|                  |              |           | RB1#50                | 21.99                           | -2.7               | 19.29      | 0.085    | 1.000     | Pass    |
|                  |              |           | RB1#99                | 21.9                            | -2.7               | 19.20      | 0.083    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 20.78                           | -2.7               | 18.08      | 0.064    | 1.000     | Pass    |
|                  |              |           | RB50#25               | 21.02                           | -2.7               | 18.32      | 0.068    | 1.000     | Pass    |
|                  |              |           | RB50#50               | 21.01                           | -2.7               | 18.31      | 0.068    | 1.000     | Pass    |
|                  |              |           | RB100#0               | 20.92                           | -2.7               | 18.22      | 0.066    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.12                           | -2.7               | 18.42      | 0.070    | 1.000     | Pass    |
|                  |              |           | RB1#50                | 21.45                           | -2.7               | 18.75      | 0.075    | 1.000     | Pass    |
|                  |              |           | RB1#99                | 21.35                           | -2.7               | 18.65      | 0.073    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 19.81                           | -2.7               | 17.11      | 0.051    | 1.000     | Pass    |
|                  |              |           | RB50#25               | 20.02                           | -2.7               | 17.32      | 0.054    | 1.000     | Pass    |
|                  |              |           | RB50#50               | 19.98                           | -2.7               | 17.28      | 0.053    | 1.000     | Pass    |
|                  |              |           | RB100#0               | 19.89                           | -2.7               | 17.19      | 0.052    | 1.000     | Pass    |
| 1.4 MHz          | LCH          | 64-QAM    | RB1#0                 | 19.48                           | -2.7               | 16.78      | 0.048    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 20.06                           | -2.7               | 17.36      | 0.054    | 1.000     | Pass    |
|                  |              |           | RB1#5                 | 19.97                           | -2.7               | 17.27      | 0.053    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 19.63                           | -2.7               | 16.93      | 0.049    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 20.07                           | -2.7               | 17.37      | 0.055    | 1.000     | Pass    |
|                  |              |           | RB3#3                 | 19.79                           | -2.7               | 17.09      | 0.051    | 1.000     | Pass    |
|                  |              |           | RB6#0                 | 18.89                           | -2.7               | 16.19      | 0.042    | 1.000     | Pass    |
|                  | MCH          | 64-QAM    | RB1#0                 | 19.43                           | -2.7               | 16.73      | 0.047    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 19.8                            | -2.7               | 17.10      | 0.051    | 1.000     | Pass    |
|                  |              |           | RB1#5                 | 20.03                           | -2.7               | 17.33      | 0.054    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 19.38                           | -2.7               | 16.68      | 0.047    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 19.8                            | -2.7               | 17.10      | 0.051    | 1.000     | Pass    |
|                  |              |           | RB3#3                 | 19.76                           | -2.7               | 17.06      | 0.051    | 1.000     | Pass    |



| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  | HCH          | 64-QAM    | RB6#0                 | 18.67                           | -2.7               | 15.97      | 0.040    | 1.000     | Pass    |
|                  |              |           | RB1#0                 | 19.48                           | -2.7               | 16.78      | 0.048    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 19.94                           | -2.7               | 17.24      | 0.053    | 1.000     | Pass    |
|                  |              |           | RB1#5                 | 19.9                            | -2.7               | 17.20      | 0.052    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 19.58                           | -2.7               | 16.88      | 0.049    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 19.86                           | -2.7               | 17.16      | 0.052    | 1.000     | Pass    |
|                  |              |           | RB3#3                 | 19.8                            | -2.7               | 17.10      | 0.051    | 1.000     | Pass    |
| 3 MHz            | LCH          | 64-QAM    | RB6#0                 | 18.8                            | -2.7               | 16.10      | 0.041    | 1.000     | Pass    |
|                  |              |           | RB1#0                 | 19.32                           | -2.7               | 16.62      | 0.046    | 1.000     | Pass    |
|                  |              |           | RB1#7                 | 19.66                           | -2.7               | 16.96      | 0.050    | 1.000     | Pass    |
|                  |              |           | RB1#14                | 19.59                           | -2.7               | 16.89      | 0.049    | 1.000     | Pass    |
|                  |              |           | RB8#0                 | 18.59                           | -2.7               | 15.89      | 0.039    | 1.000     | Pass    |
|                  |              |           | RB8#4                 | 18.69                           | -2.7               | 15.99      | 0.040    | 1.000     | Pass    |
|                  |              |           | RB8#7                 | 18.94                           | -2.7               | 16.24      | 0.042    | 1.000     | Pass    |
|                  | MCH          | 64-QAM    | RB15#0                | 18.66                           | -2.7               | 15.96      | 0.039    | 1.000     | Pass    |
|                  |              |           | RB1#0                 | 19.42                           | -2.7               | 16.72      | 0.047    | 1.000     | Pass    |
|                  |              |           | RB1#7                 | 19.92                           | -2.7               | 17.22      | 0.053    | 1.000     | Pass    |
|                  |              |           | RB1#14                | 19.61                           | -2.7               | 16.91      | 0.049    | 1.000     | Pass    |
|                  |              |           | RB8#0                 | 18.81                           | -2.7               | 16.11      | 0.041    | 1.000     | Pass    |
|                  |              |           | RB8#4                 | 18.86                           | -2.7               | 16.16      | 0.041    | 1.000     | Pass    |
|                  |              |           | RB8#7                 | 19.25                           | -2.7               | 16.55      | 0.045    | 1.000     | Pass    |
|                  | HCH          | 64-QAM    | RB15#0                | 19.02                           | -2.7               | 16.32      | 0.043    | 1.000     | Pass    |
|                  |              |           | RB1#0                 | 19.73                           | -2.7               | 17.03      | 0.050    | 1.000     | Pass    |
|                  |              |           | RB1#7                 | 19.88                           | -2.7               | 17.18      | 0.052    | 1.000     | Pass    |
|                  |              |           | RB1#14                | 19.86                           | -2.7               | 17.16      | 0.052    | 1.000     | Pass    |
|                  |              |           | RB8#0                 | 18.61                           | -2.7               | 15.91      | 0.039    | 1.000     | Pass    |
|                  |              |           | RB8#4                 | 19                              | -2.7               | 16.30      | 0.043    | 1.000     | Pass    |
|                  |              |           | RB8#7                 | 18.95                           | -2.7               | 16.25      | 0.042    | 1.000     | Pass    |
| 5 MHz            | LCH          | 64-QAM    | RB15#0                | 18.82                           | -2.7               | 16.12      | 0.041    | 1.000     | Pass    |
|                  |              |           | RB1#0                 | 19.42                           | -2.7               | 16.72      | 0.047    | 1.000     | Pass    |
|                  |              |           | RB1#13                | 19.79                           | -2.7               | 17.09      | 0.051    | 1.000     | Pass    |
|                  |              |           | RB1#24                | 19.84                           | -2.7               | 17.14      | 0.052    | 1.000     | Pass    |
|                  |              |           | RB12#0                | 18.72                           | -2.7               | 16.02      | 0.040    | 1.000     | Pass    |
|                  |              |           | RB12#6                | 18.92                           | -2.7               | 16.22      | 0.042    | 1.000     | Pass    |
|                  |              |           | RB12#13               | 18.96                           | -2.7               | 16.26      | 0.042    | 1.000     | Pass    |
|                  | MCH          | 64-QAM    | RB25#0                | 18.71                           | -2.7               | 16.01      | 0.040    | 1.000     | Pass    |
|                  |              |           | RB1#0                 | 19.63                           | -2.7               | 16.93      | 0.049    | 1.000     | Pass    |
|                  |              |           | RB1#13                | 20.02                           | -2.7               | 17.32      | 0.054    | 1.000     | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB1#24                | 19.61                           | -2.7               | 16.91      | 0.049    | 1.000     | Pass    |
|                  |              |           | RB12#0                | 18.86                           | -2.7               | 16.16      | 0.041    | 1.000     | Pass    |
|                  |              |           | RB12#6                | 18.91                           | -2.7               | 16.21      | 0.042    | 1.000     | Pass    |
|                  |              |           | RB12#13               | 19.01                           | -2.7               | 16.31      | 0.043    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 18.99                           | -2.7               | 16.29      | 0.043    | 1.000     | Pass    |
|                  | HCH          | 64-QAM    | RB1#0                 | 19.53                           | -2.7               | 16.83      | 0.048    | 1.000     | Pass    |
|                  |              |           | RB1#13                | 19.94                           | -2.7               | 17.24      | 0.053    | 1.000     | Pass    |
|                  |              |           | RB1#24                | 19.73                           | -2.7               | 17.03      | 0.050    | 1.000     | Pass    |
|                  |              |           | RB12#0                | 18.79                           | -2.7               | 16.09      | 0.041    | 1.000     | Pass    |
|                  |              |           | RB12#6                | 19                              | -2.7               | 16.30      | 0.043    | 1.000     | Pass    |
|                  |              |           | RB12#13               | 18.77                           | -2.7               | 16.07      | 0.040    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 19                              | -2.7               | 16.30      | 0.043    | 1.000     | Pass    |
| 10 MHz           | LCH          | 64-QAM    | RB1#0                 | 19.38                           | -2.7               | 16.68      | 0.047    | 1.000     | Pass    |
|                  |              |           | RB1#25                | 19.81                           | -2.7               | 17.11      | 0.051    | 1.000     | Pass    |
|                  |              |           | RB1#49                | 19.58                           | -2.7               | 16.88      | 0.049    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 18.64                           | -2.7               | 15.94      | 0.039    | 1.000     | Pass    |
|                  |              |           | RB25#13               | 18.81                           | -2.7               | 16.11      | 0.041    | 1.000     | Pass    |
|                  |              |           | RB25#25               | 19.1                            | -2.7               | 16.40      | 0.044    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 18.66                           | -2.7               | 15.96      | 0.039    | 1.000     | Pass    |
|                  | MCH          | 64-QAM    | RB1#0                 | 19.6                            | -2.7               | 16.90      | 0.049    | 1.000     | Pass    |
|                  |              |           | RB1#25                | 19.87                           | -2.7               | 17.17      | 0.052    | 1.000     | Pass    |
|                  |              |           | RB1#49                | 19.59                           | -2.7               | 16.89      | 0.049    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 18.78                           | -2.7               | 16.08      | 0.041    | 1.000     | Pass    |
|                  |              |           | RB25#13               | 18.91                           | -2.7               | 16.21      | 0.042    | 1.000     | Pass    |
|                  |              |           | RB25#25               | 19.05                           | -2.7               | 16.35      | 0.043    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 19.09                           | -2.7               | 16.39      | 0.044    | 1.000     | Pass    |
|                  | HCH          | 64-QAM    | RB1#0                 | 19.65                           | -2.7               | 16.95      | 0.050    | 1.000     | Pass    |
|                  |              |           | RB1#25                | 19.93                           | -2.7               | 17.23      | 0.053    | 1.000     | Pass    |
|                  |              |           | RB1#49                | 19.72                           | -2.7               | 17.02      | 0.050    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 18.84                           | -2.7               | 16.14      | 0.041    | 1.000     | Pass    |
|                  |              |           | RB25#13               | 18.87                           | -2.7               | 16.17      | 0.041    | 1.000     | Pass    |
|                  |              |           | RB25#25               | 19.05                           | -2.7               | 16.35      | 0.043    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 18.95                           | -2.7               | 16.25      | 0.042    | 1.000     | Pass    |
| 15 MHz           | LCH          | 64-QAM    | RB1#0                 | 19.55                           | -2.7               | 16.85      | 0.048    | 1.000     | Pass    |
|                  |              |           | RB1#38                | 19.78                           | -2.7               | 17.08      | 0.051    | 1.000     | Pass    |
|                  |              |           | RB1#74                | 19.8                            | -2.7               | 17.10      | 0.051    | 1.000     | Pass    |
|                  |              |           | RB36#0                | 18.5                            | -2.7               | 15.80      | 0.038    | 1.000     | Pass    |
|                  |              |           | RB36#19               | 18.75                           | -2.7               | 16.05      | 0.040    | 1.000     | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB36#39               | 18.89                           | -2.7               | 16.19      | 0.042    | 1.000     | Pass    |
|                  |              |           | RB75#0                | 18.84                           | -2.7               | 16.14      | 0.041    | 1.000     | Pass    |
|                  | MCH          | 64-QAM    | RB1#0                 | 19.56                           | -2.7               | 16.86      | 0.049    | 1.000     | Pass    |
|                  |              |           | RB1#38                | 20.14                           | -2.7               | 17.44      | 0.055    | 1.000     | Pass    |
|                  |              |           | RB1#74                | 19.61                           | -2.7               | 16.91      | 0.049    | 1.000     | Pass    |
|                  |              |           | RB36#0                | 18.74                           | -2.7               | 16.04      | 0.040    | 1.000     | Pass    |
|                  |              |           | RB36#19               | 18.93                           | -2.7               | 16.23      | 0.042    | 1.000     | Pass    |
|                  |              |           | RB36#39               | 19.08                           | -2.7               | 16.38      | 0.043    | 1.000     | Pass    |
|                  |              |           | RB75#0                | 19.09                           | -2.7               | 16.39      | 0.044    | 1.000     | Pass    |
|                  | HCH          | 64-QAM    | RB1#0                 | 19.67                           | -2.7               | 16.97      | 0.050    | 1.000     | Pass    |
|                  |              |           | RB1#38                | 19.83                           | -2.7               | 17.13      | 0.052    | 1.000     | Pass    |
|                  |              |           | RB1#74                | 19.88                           | -2.7               | 17.18      | 0.052    | 1.000     | Pass    |
|                  |              |           | RB36#0                | 18.67                           | -2.7               | 15.97      | 0.040    | 1.000     | Pass    |
|                  |              |           | RB36#19               | 18.96                           | -2.7               | 16.26      | 0.042    | 1.000     | Pass    |
|                  |              |           | RB36#39               | 18.89                           | -2.7               | 16.19      | 0.042    | 1.000     | Pass    |
|                  |              |           | RB75#0                | 19.03                           | -2.7               | 16.33      | 0.043    | 1.000     | Pass    |
| 20 MHz           | LCH          | 64-QAM    | RB1#0                 | 19.47                           | -2.7               | 16.77      | 0.048    | 1.000     | Pass    |
|                  |              |           | RB1#50                | 19.71                           | -2.7               | 17.01      | 0.050    | 1.000     | Pass    |
|                  |              |           | RB1#99                | 19.7                            | -2.7               | 17.00      | 0.050    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 18.59                           | -2.7               | 15.89      | 0.039    | 1.000     | Pass    |
|                  |              |           | RB50#25               | 18.79                           | -2.7               | 16.09      | 0.041    | 1.000     | Pass    |
|                  |              |           | RB50#50               | 18.95                           | -2.7               | 16.25      | 0.042    | 1.000     | Pass    |
|                  |              |           | RB100#0               | 18.7                            | -2.7               | 16.00      | 0.040    | 1.000     | Pass    |
|                  | MCH          | 64-QAM    | RB1#0                 | 19.55                           | -2.7               | 16.85      | 0.048    | 1.000     | Pass    |
|                  |              |           | RB1#50                | 20.01                           | -2.7               | 17.31      | 0.054    | 1.000     | Pass    |
|                  |              |           | RB1#99                | 19.72                           | -2.7               | 17.02      | 0.050    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 18.78                           | -2.7               | 16.08      | 0.041    | 1.000     | Pass    |
|                  |              |           | RB50#25               | 18.99                           | -2.7               | 16.29      | 0.043    | 1.000     | Pass    |
|                  |              |           | RB50#50               | 19.15                           | -2.7               | 16.45      | 0.044    | 1.000     | Pass    |
|                  |              |           | RB100#0               | 19.02                           | -2.7               | 16.32      | 0.043    | 1.000     | Pass    |
|                  | HCH          | 64-QAM    | RB1#0                 | 19.6                            | -2.7               | 16.90      | 0.049    | 1.000     | Pass    |
|                  |              |           | RB1#50                | 19.83                           | -2.7               | 17.13      | 0.052    | 1.000     | Pass    |
|                  |              |           | RB1#99                | 19.84                           | -2.7               | 17.14      | 0.052    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 18.72                           | -2.7               | 16.02      | 0.040    | 1.000     | Pass    |
|                  |              |           | RB50#25               | 18.95                           | -2.7               | 16.25      | 0.042    | 1.000     | Pass    |
|                  |              |           | RB50#50               | 18.92                           | -2.7               | 16.22      | 0.042    | 1.000     | Pass    |
|                  |              |           | RB100#0               | 18.88                           | -2.7               | 16.18      | 0.041    | 1.000     | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND5</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 1.4 MHz          | LCH          | QPSK      | RB1#0                 | 20.73                           | -6.89              | -9.04              | 11.69     | 0.015   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 20.75                           | -6.89              | -9.04              | 11.71     | 0.015   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 20.65                           | -6.89              | -9.04              | 11.61     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 20.72                           | -6.89              | -9.04              | 11.68     | 0.015   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 20.65                           | -6.89              | -9.04              | 11.61     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 20.36                           | -6.89              | -9.04              | 11.32     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 19.45                           | -6.89              | -9.04              | 10.41     | 0.011   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 19.62                           | -6.89              | -9.04              | 10.58     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 19.55                           | -6.89              | -9.04              | 10.51     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 19.55                           | -6.89              | -9.04              | 10.51     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 19.49                           | -6.89              | -9.04              | 10.45     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 19.67                           | -6.89              | -9.04              | 10.63     | 0.012   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 19.47                           | -6.89              | -9.04              | 10.43     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 18.4                            | -6.89              | -9.04              | 9.36      | 0.009   | 7.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 20.57                           | -6.89              | -9.04              | 11.53     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 20.76                           | -6.89              | -9.04              | 11.72     | 0.015   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 20.55                           | -6.89              | -9.04              | 11.51     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 20.71                           | -6.89              | -9.04              | 11.67     | 0.015   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 20.53                           | -6.89              | -9.04              | 11.49     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 20.45                           | -6.89              | -9.04              | 11.41     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 19.7                            | -6.89              | -9.04              | 10.66     | 0.012   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 20.15                           | -6.89              | -9.04              | 11.11     | 0.013   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 19.99                           | -6.89              | -9.04              | 10.95     | 0.012   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 19.88                           | -6.89              | -9.04              | 10.84     | 0.012   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 20                              | -6.89              | -9.04              | 10.96     | 0.012   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 20.05                           | -6.89              | -9.04              | 11.01     | 0.013   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 19.9                            | -6.89              | -9.04              | 10.86     | 0.012   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 18.51                           | -6.89              | -9.04              | 9.47      | 0.009   | 7.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 20.62                           | -6.89              | -9.04              | 11.58     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 20.43                           | -6.89              | -9.04              | 11.39     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 20.29                           | -6.89              | -9.04              | 11.25     | 0.013   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 20.55                           | -6.89              | -9.04              | 11.51     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 20.5                            | -6.89              | -9.04              | 11.46     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 20.32                           | -6.89              | -9.04              | 11.28     | 0.013   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 19.25                           | -6.89              | -9.04              | 10.21     | 0.010   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 19.72                           | -6.89              | -9.04              | 10.68     | 0.012   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 19.46                           | -6.89              | -9.04              | 10.42     | 0.011   | 7.00      | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND5</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 3 MHz            |              |           | RB1#5                 | 19.39                           | -6.89              | -9.04              | 10.35     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 19.75                           | -6.89              | -9.04              | 10.71     | 0.012   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 19.42                           | -6.89              | -9.04              | 10.38     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 19.55                           | -6.89              | -9.04              | 10.51     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 18.44                           | -6.89              | -9.04              | 9.40      | 0.009   | 7.00      | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 20.67                           | -6.89              | -9.04              | 11.63     | 0.015   | 7.00      | Pass    |
|                  |              |           | RB1#7                 | 20.69                           | -6.89              | -9.04              | 11.65     | 0.015   | 7.00      | Pass    |
|                  |              |           | RB1#14                | 20.4                            | -6.89              | -9.04              | 11.36     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB8#0                 | 19.44                           | -6.89              | -9.04              | 10.40     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB8#4                 | 19.56                           | -6.89              | -9.04              | 10.52     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB8#7                 | 19.47                           | -6.89              | -9.04              | 10.43     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB15#0                | 19.46                           | -6.89              | -9.04              | 10.42     | 0.011   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 19.53                           | -6.89              | -9.04              | 10.49     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB1#7                 | 19.47                           | -6.89              | -9.04              | 10.43     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB1#14                | 19.61                           | -6.89              | -9.04              | 10.57     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB8#0                 | 18.58                           | -6.89              | -9.04              | 9.54      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB8#4                 | 18.66                           | -6.89              | -9.04              | 9.62      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB8#7                 | 18.41                           | -6.89              | -9.04              | 9.37      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB15#0                | 18.44                           | -6.89              | -9.04              | 9.40      | 0.009   | 7.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 20.53                           | -6.89              | -9.04              | 11.49     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB1#7                 | 20.57                           | -6.89              | -9.04              | 11.53     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB1#14                | 20.44                           | -6.89              | -9.04              | 11.40     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB8#0                 | 19.45                           | -6.89              | -9.04              | 10.41     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB8#4                 | 19.56                           | -6.89              | -9.04              | 10.52     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB8#7                 | 19.47                           | -6.89              | -9.04              | 10.43     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB15#0                | 19.64                           | -6.89              | -9.04              | 10.60     | 0.011   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 20.14                           | -6.89              | -9.04              | 11.10     | 0.013   | 7.00      | Pass    |
|                  |              |           | RB1#7                 | 20.14                           | -6.89              | -9.04              | 11.10     | 0.013   | 7.00      | Pass    |
|                  |              |           | RB1#14                | 19.99                           | -6.89              | -9.04              | 10.95     | 0.012   | 7.00      | Pass    |
|                  |              |           | RB8#0                 | 18.51                           | -6.89              | -9.04              | 9.47      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB8#4                 | 18.67                           | -6.89              | -9.04              | 9.63      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB8#7                 | 18.58                           | -6.89              | -9.04              | 9.54      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB15#0                | 18.68                           | -6.89              | -9.04              | 9.64      | 0.009   | 7.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 20.41                           | -6.89              | -9.04              | 11.37     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB1#7                 | 20.54                           | -6.89              | -9.04              | 11.50     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB1#14                | 20.47                           | -6.89              | -9.04              | 11.43     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB8#0                 | 19.38                           | -6.89              | -9.04              | 10.34     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB8#4                 | 19.42                           | -6.89              | -9.04              | 10.38     | 0.011   | 7.00      | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND5</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                  |              | 16-QAM    | RB8#7                 | 19.28                           | -6.89              | -9.04              | 10.24     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB15#0                | 19.27                           | -6.89              | -9.04              | 10.23     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB1#0                 | 19.73                           | -6.89              | -9.04              | 10.69     | 0.012   | 7.00      | Pass    |
|                  |              |           | RB1#7                 | 19.71                           | -6.89              | -9.04              | 10.67     | 0.012   | 7.00      | Pass    |
|                  |              |           | RB1#14                | 19.4                            | -6.89              | -9.04              | 10.36     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB8#0                 | 18.61                           | -6.89              | -9.04              | 9.57      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB8#4                 | 18.59                           | -6.89              | -9.04              | 9.55      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB8#7                 | 18.54                           | -6.89              | -9.04              | 9.50      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB15#0                | 18.34                           | -6.89              | -9.04              | 9.30      | 0.009   | 7.00      | Pass    |
| 5 MHz            | LCH          | QPSK      | RB1#0                 | 20.76                           | -6.89              | -9.04              | 11.72     | 0.015   | 7.00      | Pass    |
|                  |              |           | RB1#13                | 20.65                           | -6.89              | -9.04              | 11.61     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 20.47                           | -6.89              | -9.04              | 11.43     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 19.38                           | -6.89              | -9.04              | 10.34     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 19.59                           | -6.89              | -9.04              | 10.55     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 19.52                           | -6.89              | -9.04              | 10.48     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 19.59                           | -6.89              | -9.04              | 10.55     | 0.011   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 19.53                           | -6.89              | -9.04              | 10.49     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB1#13                | 19.57                           | -6.89              | -9.04              | 10.53     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 19.45                           | -6.89              | -9.04              | 10.41     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 18.48                           | -6.89              | -9.04              | 9.44      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 18.79                           | -6.89              | -9.04              | 9.75      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 18.56                           | -6.89              | -9.04              | 9.52      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 18.45                           | -6.89              | -9.04              | 9.41      | 0.009   | 7.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 20.64                           | -6.89              | -9.04              | 11.60     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB1#13                | 20.62                           | -6.89              | -9.04              | 11.58     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 20.46                           | -6.89              | -9.04              | 11.42     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 19.63                           | -6.89              | -9.04              | 10.59     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 19.64                           | -6.89              | -9.04              | 10.60     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 19.58                           | -6.89              | -9.04              | 10.54     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 19.55                           | -6.89              | -9.04              | 10.51     | 0.011   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 19.94                           | -6.89              | -9.04              | 10.90     | 0.012   | 7.00      | Pass    |
|                  |              |           | RB1#13                | 20.06                           | -6.89              | -9.04              | 11.02     | 0.013   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 20.03                           | -6.89              | -9.04              | 10.99     | 0.013   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 18.75                           | -6.89              | -9.04              | 9.71      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 18.8                            | -6.89              | -9.04              | 9.76      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 18.68                           | -6.89              | -9.04              | 9.64      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 18.58                           | -6.89              | -9.04              | 9.54      | 0.009   | 7.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 20.38                           | -6.89              | -9.04              | 11.34     | 0.014   | 7.00      | Pass    |



| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND5</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                  |              |           | RB1#13                | 20.52                           | -6.89              | -9.04              | 11.48     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 20.56                           | -6.89              | -9.04              | 11.52     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 19.51                           | -6.89              | -9.04              | 10.47     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 19.44                           | -6.89              | -9.04              | 10.40     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 19.45                           | -6.89              | -9.04              | 10.41     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 19.36                           | -6.89              | -9.04              | 10.32     | 0.011   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 19.59                           | -6.89              | -9.04              | 10.55     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB1#13                | 19.46                           | -6.89              | -9.04              | 10.42     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 19.48                           | -6.89              | -9.04              | 10.44     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 18.55                           | -6.89              | -9.04              | 9.51      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 18.67                           | -6.89              | -9.04              | 9.63      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 18.42                           | -6.89              | -9.04              | 9.38      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 18.56                           | -6.89              | -9.04              | 9.52      | 0.009   | 7.00      | Pass    |
|                  |              |           |                       |                                 |                    |                    |           |         |           |         |
| 10 MHz           | LCH          | QPSK      | RB1#0                 | 20.65                           | -6.89              | -9.04              | 11.61     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB1#25                | 20.65                           | -6.89              | -9.04              | 11.61     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB1#49                | 20.5                            | -6.89              | -9.04              | 11.46     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 19.52                           | -6.89              | -9.04              | 10.48     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB25#13               | 19.63                           | -6.89              | -9.04              | 10.59     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB25#25               | 19.49                           | -6.89              | -9.04              | 10.45     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB50#0                | 19.56                           | -6.89              | -9.04              | 10.52     | 0.011   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 19.63                           | -6.89              | -9.04              | 10.59     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB1#25                | 19.61                           | -6.89              | -9.04              | 10.57     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB1#49                | 19.58                           | -6.89              | -9.04              | 10.54     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 18.62                           | -6.89              | -9.04              | 9.58      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB25#13               | 18.71                           | -6.89              | -9.04              | 9.67      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB25#25               | 18.53                           | -6.89              | -9.04              | 9.49      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB50#0                | 18.49                           | -6.89              | -9.04              | 9.45      | 0.009   | 7.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 20.6                            | -6.89              | -9.04              | 11.56     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB1#25                | 20.61                           | -6.89              | -9.04              | 11.57     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB1#49                | 20.5                            | -6.89              | -9.04              | 11.46     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 19.53                           | -6.89              | -9.04              | 10.49     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB25#13               | 19.6                            | -6.89              | -9.04              | 10.56     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB25#25               | 19.58                           | -6.89              | -9.04              | 10.54     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB50#0                | 19.61                           | -6.89              | -9.04              | 10.57     | 0.011   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 20.02                           | -6.89              | -9.04              | 10.98     | 0.013   | 7.00      | Pass    |
|                  |              |           | RB1#25                | 20.01                           | -6.89              | -9.04              | 10.97     | 0.013   | 7.00      | Pass    |
|                  |              |           | RB1#49                | 19.98                           | -6.89              | -9.04              | 10.94     | 0.012   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 18.64                           | -6.89              | -9.04              | 9.60      | 0.009   | 7.00      | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND5</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                  |              |           | RB25#13               | 18.69                           | -6.89              | -9.04              | 9.65      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB25#25               | 18.65                           | -6.89              | -9.04              | 9.61      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB50#0                | 18.61                           | -6.89              | -9.04              | 9.57      | 0.009   | 7.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 20.53                           | -6.89              | -9.04              | 11.49     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB1#25                | 20.49                           | -6.89              | -9.04              | 11.45     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB1#49                | 20.44                           | -6.89              | -9.04              | 11.40     | 0.014   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 19.43                           | -6.89              | -9.04              | 10.39     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB25#13               | 19.54                           | -6.89              | -9.04              | 10.50     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB25#25               | 19.42                           | -6.89              | -9.04              | 10.38     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB50#0                | 19.4                            | -6.89              | -9.04              | 10.36     | 0.011   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 19.62                           | -6.89              | -9.04              | 10.58     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB1#25                | 19.57                           | -6.89              | -9.04              | 10.53     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB1#49                | 19.54                           | -6.89              | -9.04              | 10.50     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 18.54                           | -6.89              | -9.04              | 9.50      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB25#13               | 18.66                           | -6.89              | -9.04              | 9.62      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB25#25               | 18.56                           | -6.89              | -9.04              | 9.52      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB50#0                | 18.48                           | -6.89              | -9.04              | 9.44      | 0.009   | 7.00      | Pass    |
| 1.4 MHz          | LCH          | 64-QAM    | RB1#0                 | 18.61                           | -6.89              | -9.04              | 9.57      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 18.66                           | -6.89              | -9.04              | 9.62      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 18.69                           | -6.89              | -9.04              | 9.65      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 18.59                           | -6.89              | -9.04              | 9.55      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 18.73                           | -6.89              | -9.04              | 9.69      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 18.35                           | -6.89              | -9.04              | 9.31      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 17.39                           | -6.89              | -9.04              | 8.35      | 0.007   | 7.00      | Pass    |
|                  | MCH          | 64-QAM    | RB1#0                 | 19.3                            | -6.89              | -9.04              | 10.26     | 0.011   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 18.87                           | -6.89              | -9.04              | 9.83      | 0.010   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 19                              | -6.89              | -9.04              | 9.96      | 0.010   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 18.86                           | -6.89              | -9.04              | 9.82      | 0.010   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 19.13                           | -6.89              | -9.04              | 10.09     | 0.010   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 18.8                            | -6.89              | -9.04              | 9.76      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 17.66                           | -6.89              | -9.04              | 8.62      | 0.007   | 7.00      | Pass    |
|                  | HCH          | 64-QAM    | RB1#0                 | 18.59                           | -6.89              | -9.04              | 9.55      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 18.51                           | -6.89              | -9.04              | 9.47      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 18.35                           | -6.89              | -9.04              | 9.31      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 18.66                           | -6.89              | -9.04              | 9.62      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 18.53                           | -6.89              | -9.04              | 9.49      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 18.43                           | -6.89              | -9.04              | 9.39      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 17.31                           | -6.89              | -9.04              | 8.27      | 0.007   | 7.00      | Pass    |



| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND5</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 3 MHz            | LCH          | 64-QAM    | RB1#0                 | 18.83                           | -6.89              | -9.04              | 9.79      | 0.010   | 7.00      | Pass    |
|                  |              |           | RB1#7                 | 18.6                            | -6.89              | -9.04              | 9.56      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB1#14                | 18.54                           | -6.89              | -9.04              | 9.50      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB8#0                 | 17.62                           | -6.89              | -9.04              | 8.58      | 0.007   | 7.00      | Pass    |
|                  |              |           | RB8#4                 | 17.71                           | -6.89              | -9.04              | 8.67      | 0.007   | 7.00      | Pass    |
|                  |              |           | RB8#7                 | 17.43                           | -6.89              | -9.04              | 8.39      | 0.007   | 7.00      | Pass    |
|                  |              |           | RB15#0                | 17.51                           | -6.89              | -9.04              | 8.47      | 0.007   | 7.00      | Pass    |
|                  | MCH          | 64-QAM    | RB1#0                 | 19.16                           | -6.89              | -9.04              | 10.12     | 0.010   | 7.00      | Pass    |
|                  |              |           | RB1#7                 | 18.92                           | -6.89              | -9.04              | 9.88      | 0.010   | 7.00      | Pass    |
|                  |              |           | RB1#14                | 19.04                           | -6.89              | -9.04              | 10.00     | 0.010   | 7.00      | Pass    |
|                  |              |           | RB8#0                 | 17.69                           | -6.89              | -9.04              | 8.65      | 0.007   | 7.00      | Pass    |
|                  |              |           | RB8#4                 | 17.83                           | -6.89              | -9.04              | 8.79      | 0.008   | 7.00      | Pass    |
|                  |              |           | RB8#7                 | 17.64                           | -6.89              | -9.04              | 8.60      | 0.007   | 7.00      | Pass    |
|                  |              |           | RB15#0                | 17.6                            | -6.89              | -9.04              | 8.56      | 0.007   | 7.00      | Pass    |
|                  | HCH          | 64-QAM    | RB1#0                 | 18.64                           | -6.89              | -9.04              | 9.60      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB1#7                 | 18.58                           | -6.89              | -9.04              | 9.54      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB1#14                | 18.5                            | -6.89              | -9.04              | 9.46      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB8#0                 | 17.53                           | -6.89              | -9.04              | 8.49      | 0.007   | 7.00      | Pass    |
|                  |              |           | RB8#4                 | 17.78                           | -6.89              | -9.04              | 8.74      | 0.007   | 7.00      | Pass    |
|                  |              |           | RB8#7                 | 17.8                            | -6.89              | -9.04              | 8.76      | 0.008   | 7.00      | Pass    |
|                  |              |           | RB15#0                | 17.45                           | -6.89              | -9.04              | 8.41      | 0.007   | 7.00      | Pass    |
| 5 MHz            | LCH          | 64-QAM    | RB1#0                 | 18.64                           | -6.89              | -9.04              | 9.60      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB1#13                | 18.6                            | -6.89              | -9.04              | 9.56      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 18.67                           | -6.89              | -9.04              | 9.63      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 17.56                           | -6.89              | -9.04              | 8.52      | 0.007   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 17.68                           | -6.89              | -9.04              | 8.64      | 0.007   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 17.62                           | -6.89              | -9.04              | 8.58      | 0.007   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 17.5                            | -6.89              | -9.04              | 8.46      | 0.007   | 7.00      | Pass    |
|                  | MCH          | 64-QAM    | RB1#0                 | 18.93                           | -6.89              | -9.04              | 9.89      | 0.010   | 7.00      | Pass    |
|                  |              |           | RB1#13                | 19.17                           | -6.89              | -9.04              | 10.13     | 0.010   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 19.06                           | -6.89              | -9.04              | 10.02     | 0.010   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 17.91                           | -6.89              | -9.04              | 8.87      | 0.008   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 17.89                           | -6.89              | -9.04              | 8.85      | 0.008   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 17.66                           | -6.89              | -9.04              | 8.62      | 0.007   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 17.57                           | -6.89              | -9.04              | 8.53      | 0.007   | 7.00      | Pass    |
|                  | HCH          | 64-QAM    | RB1#0                 | 18.85                           | -6.89              | -9.04              | 9.81      | 0.010   | 7.00      | Pass    |
|                  |              |           | RB1#13                | 18.59                           | -6.89              | -9.04              | 9.55      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 18.48                           | -6.89              | -9.04              | 9.44      | 0.009   | 7.00      | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND5</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 10 MHz           |              |           | RB12#0                | 17.42                           | -6.89              | -9.04              | 8.38      | 0.007   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 17.8                            | -6.89              | -9.04              | 8.76      | 0.008   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 17.7                            | -6.89              | -9.04              | 8.66      | 0.007   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 17.59                           | -6.89              | -9.04              | 8.55      | 0.007   | 7.00      | Pass    |
|                  | LCH          | 64-QAM    | RB1#0                 | 18.7                            | -6.89              | -9.04              | 9.66      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB1#25                | 18.63                           | -6.89              | -9.04              | 9.59      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB1#49                | 18.67                           | -6.89              | -9.04              | 9.63      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 17.64                           | -6.89              | -9.04              | 8.60      | 0.007   | 7.00      | Pass    |
|                  |              |           | RB25#13               | 17.59                           | -6.89              | -9.04              | 8.55      | 0.007   | 7.00      | Pass    |
|                  |              |           | RB25#25               | 17.5                            | -6.89              | -9.04              | 8.46      | 0.007   | 7.00      | Pass    |
|                  |              |           | RB50#0                | 17.46                           | -6.89              | -9.04              | 8.42      | 0.007   | 7.00      | Pass    |
|                  | MCH          | 64-QAM    | RB1#0                 | 19.03                           | -6.89              | -9.04              | 9.99      | 0.010   | 7.00      | Pass    |
|                  |              |           | RB1#25                | 19.06                           | -6.89              | -9.04              | 10.02     | 0.010   | 7.00      | Pass    |
|                  |              |           | RB1#49                | 18.91                           | -6.89              | -9.04              | 9.87      | 0.010   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 17.77                           | -6.89              | -9.04              | 8.73      | 0.007   | 7.00      | Pass    |
|                  |              |           | RB25#13               | 17.82                           | -6.89              | -9.04              | 8.78      | 0.008   | 7.00      | Pass    |
|                  |              |           | RB25#25               | 17.77                           | -6.89              | -9.04              | 8.73      | 0.007   | 7.00      | Pass    |
|                  |              |           | RB50#0                | 17.51                           | -6.89              | -9.04              | 8.47      | 0.007   | 7.00      | Pass    |
|                  | HCH          | 64-QAM    | RB1#0                 | 18.76                           | -6.89              | -9.04              | 9.72      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB1#25                | 18.72                           | -6.89              | -9.04              | 9.68      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB1#49                | 18.6                            | -6.89              | -9.04              | 9.56      | 0.009   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 17.53                           | -6.89              | -9.04              | 8.49      | 0.007   | 7.00      | Pass    |
|                  |              |           | RB25#13               | 17.77                           | -6.89              | -9.04              | 8.73      | 0.007   | 7.00      | Pass    |
|                  |              |           | RB25#25               | 17.69                           | -6.89              | -9.04              | 8.65      | 0.007   | 7.00      | Pass    |
|                  |              |           | RB50#0                | 17.54                           | -6.89              | -9.04              | 8.50      | 0.007   | 7.00      | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND7</b> |              |           |                       |                                 |                    |            |          |           |         |
| 5 MHz            | LCH          | QPSK      | RB1#0                 | 19.24                           | -0.88              | 18.36      | 0.069    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 19.55                           | -0.88              | 18.67      | 0.074    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 19.16                           | -0.88              | 18.28      | 0.067    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 18.25                           | -0.88              | 17.37      | 0.055    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 18.54                           | -0.88              | 17.66      | 0.058    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 18.53                           | -0.88              | 17.65      | 0.058    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 18.49                           | -0.88              | 17.61      | 0.058    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 18.9                            | -0.88              | 18.02      | 0.063    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 18.84                           | -0.88              | 17.96      | 0.063    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 18.87                           | -0.88              | 17.99      | 0.063    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 17.47                           | -0.88              | 16.59      | 0.046    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 17.36                           | -0.88              | 16.48      | 0.044    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 17.35                           | -0.88              | 16.47      | 0.044    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 17.55                           | -0.88              | 16.67      | 0.046    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 19.28                           | -0.88              | 18.40      | 0.069    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 19.57                           | -0.88              | 18.69      | 0.074    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 19.34                           | -0.88              | 18.46      | 0.070    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 18.26                           | -0.88              | 17.38      | 0.055    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 18.53                           | -0.88              | 17.65      | 0.058    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 18.37                           | -0.88              | 17.49      | 0.056    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 18.33                           | -0.88              | 17.45      | 0.056    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 18.84                           | -0.88              | 17.96      | 0.063    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 18.84                           | -0.88              | 17.96      | 0.063    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 18.84                           | -0.88              | 17.96      | 0.063    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 17.21                           | -0.88              | 16.33      | 0.043    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 17.48                           | -0.88              | 16.60      | 0.046    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 17.24                           | -0.88              | 16.36      | 0.043    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 17.44                           | -0.88              | 16.56      | 0.045    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 19.19                           | -0.88              | 18.31      | 0.068    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 19.59                           | -0.88              | 18.71      | 0.074    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 19.51                           | -0.88              | 18.63      | 0.073    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 18.31                           | -0.88              | 17.43      | 0.055    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 18.61                           | -0.88              | 17.73      | 0.059    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 18.68                           | -0.88              | 17.80      | 0.060    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 18.39                           | -0.88              | 17.51      | 0.056    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 18.73                           | -0.88              | 17.85      | 0.061    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 18.93                           | -0.88              | 18.05      | 0.064    | 2.00      | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND7</b> |              |           |                       |                                 |                    |            |          |           |         |
| 10 MHz           |              |           | RB1#24                | 18.9                            | -0.88              | 18.02      | 0.063    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 17.46                           | -0.88              | 16.58      | 0.045    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 17.65                           | -0.88              | 16.77      | 0.048    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 17.39                           | -0.88              | 16.51      | 0.045    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 17.62                           | -0.88              | 16.74      | 0.047    | 2.00      | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 19.13                           | -0.88              | 18.25      | 0.067    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 19.42                           | -0.88              | 18.54      | 0.071    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 19.25                           | -0.88              | 18.37      | 0.069    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 18.27                           | -0.88              | 17.39      | 0.055    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 18.57                           | -0.88              | 17.69      | 0.059    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 18.34                           | -0.88              | 17.46      | 0.056    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 18.44                           | -0.88              | 17.56      | 0.057    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 18.78                           | -0.88              | 17.90      | 0.062    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 18.97                           | -0.88              | 18.09      | 0.064    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 18.74                           | -0.88              | 17.86      | 0.061    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 17.47                           | -0.88              | 16.59      | 0.046    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 17.5                            | -0.88              | 16.62      | 0.046    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 17.48                           | -0.88              | 16.60      | 0.046    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 17.33                           | -0.88              | 16.45      | 0.044    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 19.22                           | -0.88              | 18.34      | 0.068    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 19.65                           | -0.88              | 18.77      | 0.075    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 19.5                            | -0.88              | 18.62      | 0.073    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 18.38                           | -0.88              | 17.50      | 0.056    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 18.54                           | -0.88              | 17.66      | 0.058    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 18.27                           | -0.88              | 17.39      | 0.055    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 18.32                           | -0.88              | 17.44      | 0.055    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 18.66                           | -0.88              | 17.78      | 0.060    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 18.99                           | -0.88              | 18.11      | 0.065    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 18.89                           | -0.88              | 18.01      | 0.063    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 17.48                           | -0.88              | 16.60      | 0.046    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 17.42                           | -0.88              | 16.54      | 0.045    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 17.29                           | -0.88              | 16.41      | 0.044    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 17.31                           | -0.88              | 16.43      | 0.044    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 19.26                           | -0.88              | 18.38      | 0.069    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 19.7                            | -0.88              | 18.82      | 0.076    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 19.52                           | -0.88              | 18.64      | 0.073    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 18.36                           | -0.88              | 17.48      | 0.056    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 18.44                           | -0.88              | 17.56      | 0.057    | 2.00      | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND7</b> |              |           |                       |                                 |                    |            |          |           |         |
| 15 MHz           |              |           | RB25#25               | 18.44                           | -0.88              | 17.56      | 0.057    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 18.42                           | -0.88              | 17.54      | 0.057    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 18.78                           | -0.88              | 17.90      | 0.062    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 18.95                           | -0.88              | 18.07      | 0.064    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 18.8                            | -0.88              | 17.92      | 0.062    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 17.31                           | -0.88              | 16.43      | 0.044    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 17.63                           | -0.88              | 16.75      | 0.047    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 17.55                           | -0.88              | 16.67      | 0.046    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 17.49                           | -0.88              | 16.61      | 0.046    | 2.00      | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 19.25                           | -0.88              | 18.37      | 0.069    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 19.41                           | -0.88              | 18.53      | 0.071    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 19.33                           | -0.88              | 18.45      | 0.070    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 18.42                           | -0.88              | 17.54      | 0.057    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 18.34                           | -0.88              | 17.46      | 0.056    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 18.32                           | -0.88              | 17.44      | 0.055    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 18.36                           | -0.88              | 17.48      | 0.056    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 18.95                           | -0.88              | 18.07      | 0.064    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 18.92                           | -0.88              | 18.04      | 0.064    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 18.74                           | -0.88              | 17.86      | 0.061    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 17.36                           | -0.88              | 16.48      | 0.044    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 17.59                           | -0.88              | 16.71      | 0.047    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 17.54                           | -0.88              | 16.66      | 0.046    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 17.37                           | -0.88              | 16.49      | 0.045    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 19.16                           | -0.88              | 18.28      | 0.067    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 19.37                           | -0.88              | 18.49      | 0.071    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 19.34                           | -0.88              | 18.46      | 0.070    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 18.4                            | -0.88              | 17.52      | 0.056    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 18.37                           | -0.88              | 17.49      | 0.056    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 18.48                           | -0.88              | 17.60      | 0.058    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 18.23                           | -0.88              | 17.35      | 0.054    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 18.67                           | -0.88              | 17.79      | 0.060    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 19.07                           | -0.88              | 18.19      | 0.066    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 18.83                           | -0.88              | 17.95      | 0.062    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 17.23                           | -0.88              | 16.35      | 0.043    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 17.36                           | -0.88              | 16.48      | 0.044    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 17.51                           | -0.88              | 16.63      | 0.046    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 17.32                           | -0.88              | 16.44      | 0.044    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 19.31                           | -0.88              | 18.43      | 0.070    | 2.00      | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND7</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB1#38                | 19.63                           | -0.88              | 18.75      | 0.075    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 19.39                           | -0.88              | 18.51      | 0.071    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 18.33                           | -0.88              | 17.45      | 0.056    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 18.61                           | -0.88              | 17.73      | 0.059    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 18.43                           | -0.88              | 17.55      | 0.057    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 18.45                           | -0.88              | 17.57      | 0.057    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 18.65                           | -0.88              | 17.77      | 0.060    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 18.94                           | -0.88              | 18.06      | 0.064    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 18.79                           | -0.88              | 17.91      | 0.062    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 17.29                           | -0.88              | 16.41      | 0.044    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 17.66                           | -0.88              | 16.78      | 0.048    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 17.5                            | -0.88              | 16.62      | 0.046    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 17.41                           | -0.88              | 16.53      | 0.045    | 2.00      | Pass    |
|                  |              |           |                       |                                 |                    |            |          |           |         |
| 20 MHz           | LCH          | QPSK      | RB1#0                 | 19.27                           | -0.88              | 18.39      | 0.069    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 19.44                           | -0.88              | 18.56      | 0.072    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 19.27                           | -0.88              | 18.39      | 0.069    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 18.34                           | -0.88              | 17.46      | 0.056    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 18.47                           | -0.88              | 17.59      | 0.057    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 18.47                           | -0.88              | 17.59      | 0.057    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 18.39                           | -0.88              | 17.51      | 0.056    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 18.8                            | -0.88              | 17.92      | 0.062    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 18.96                           | -0.88              | 18.08      | 0.064    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 18.78                           | -0.88              | 17.90      | 0.062    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 17.4                            | -0.88              | 16.52      | 0.045    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 17.49                           | -0.88              | 16.61      | 0.046    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 17.5                            | -0.88              | 16.62      | 0.046    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 17.43                           | -0.88              | 16.55      | 0.045    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 19.26                           | -0.88              | 18.38      | 0.069    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 19.52                           | -0.88              | 18.64      | 0.073    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 19.41                           | -0.88              | 18.53      | 0.071    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 18.38                           | -0.88              | 17.50      | 0.056    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 18.43                           | -0.88              | 17.55      | 0.057    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 18.37                           | -0.88              | 17.49      | 0.056    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 18.34                           | -0.88              | 17.46      | 0.056    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 18.73                           | -0.88              | 17.85      | 0.061    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 18.99                           | -0.88              | 18.11      | 0.065    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 18.85                           | -0.88              | 17.97      | 0.063    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 17.35                           | -0.88              | 16.47      | 0.044    | 2.00      | Pass    |



| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND7</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB50#25               | 17.48                           | -0.88              | 16.60      | 0.046    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 17.37                           | -0.88              | 16.49      | 0.045    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 17.34                           | -0.88              | 16.46      | 0.044    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 19.29                           | -0.88              | 18.41      | 0.069    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 19.59                           | -0.88              | 18.71      | 0.074    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 19.47                           | -0.88              | 18.59      | 0.072    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 18.43                           | -0.88              | 17.55      | 0.057    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 18.56                           | -0.88              | 17.68      | 0.059    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 18.55                           | -0.88              | 17.67      | 0.058    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 18.52                           | -0.88              | 17.64      | 0.058    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 18.76                           | -0.88              | 17.88      | 0.061    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 19.04                           | -0.88              | 18.16      | 0.065    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 18.92                           | -0.88              | 18.04      | 0.064    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 17.41                           | -0.88              | 16.53      | 0.045    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 17.54                           | -0.88              | 16.66      | 0.046    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 17.51                           | -0.88              | 16.63      | 0.046    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 17.47                           | -0.88              | 16.59      | 0.046    | 2.00      | Pass    |
| 5 MHz            | LCH          | 64-QAM    | RB1#0                 | 17.84                           | -0.88              | 16.96      | 0.050    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 17.94                           | -0.88              | 17.06      | 0.051    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 17.88                           | -0.88              | 17.00      | 0.050    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 16.26                           | -0.88              | 15.38      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 16.65                           | -0.88              | 15.77      | 0.038    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 16.67                           | -0.88              | 15.79      | 0.038    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 16.38                           | -0.88              | 15.50      | 0.035    | 2.00      | Pass    |
|                  | MCH          | 64-QAM    | RB1#0                 | 17.63                           | -0.88              | 16.75      | 0.047    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 18.01                           | -0.88              | 17.13      | 0.052    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 17.92                           | -0.88              | 17.04      | 0.051    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 16.49                           | -0.88              | 15.61      | 0.036    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 16.61                           | -0.88              | 15.73      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 16.48                           | -0.88              | 15.60      | 0.036    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 16.57                           | -0.88              | 15.69      | 0.037    | 2.00      | Pass    |
|                  | HCH          | 64-QAM    | RB1#0                 | 17.86                           | -0.88              | 16.98      | 0.050    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 18.05                           | -0.88              | 17.17      | 0.052    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 17.76                           | -0.88              | 16.88      | 0.049    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 16.43                           | -0.88              | 15.55      | 0.036    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 16.41                           | -0.88              | 15.53      | 0.036    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 16.57                           | -0.88              | 15.69      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 16.29                           | -0.88              | 15.41      | 0.035    | 2.00      | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND7</b> |              |           |                       |                                 |                    |            |          |           |         |
| 10 MHz           | LCH          | 64-QAM    | RB1#0                 | 17.73                           | -0.88              | 16.85      | 0.048    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 18.05                           | -0.88              | 17.17      | 0.052    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 17.86                           | -0.88              | 16.98      | 0.050    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 16.4                            | -0.88              | 15.52      | 0.036    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 16.51                           | -0.88              | 15.63      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 16.61                           | -0.88              | 15.73      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 16.25                           | -0.88              | 15.37      | 0.034    | 2.00      | Pass    |
|                  | MCH          | 64-QAM    | RB1#0                 | 17.57                           | -0.88              | 16.69      | 0.047    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 17.95                           | -0.88              | 17.07      | 0.051    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 17.95                           | -0.88              | 17.07      | 0.051    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 16.57                           | -0.88              | 15.69      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 16.51                           | -0.88              | 15.63      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 16.29                           | -0.88              | 15.41      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 16.31                           | -0.88              | 15.43      | 0.035    | 2.00      | Pass    |
|                  | HCH          | 64-QAM    | RB1#0                 | 17.69                           | -0.88              | 16.81      | 0.048    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 18.12                           | -0.88              | 17.24      | 0.053    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 17.86                           | -0.88              | 16.98      | 0.050    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 16.37                           | -0.88              | 15.49      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 16.55                           | -0.88              | 15.67      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 16.81                           | -0.88              | 15.93      | 0.039    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 16.47                           | -0.88              | 15.59      | 0.036    | 2.00      | Pass    |
| 15 MHz           | LCH          | 64-QAM    | RB1#0                 | 17.79                           | -0.88              | 16.91      | 0.049    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 17.99                           | -0.88              | 17.11      | 0.051    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 17.87                           | -0.88              | 16.99      | 0.050    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 16.25                           | -0.88              | 15.37      | 0.034    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 16.6                            | -0.88              | 15.72      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 16.4                            | -0.88              | 15.52      | 0.036    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 16.31                           | -0.88              | 15.43      | 0.035    | 2.00      | Pass    |
|                  | MCH          | 64-QAM    | RB1#0                 | 17.59                           | -0.88              | 16.71      | 0.047    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 17.89                           | -0.88              | 17.01      | 0.050    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 17.85                           | -0.88              | 16.97      | 0.050    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 16.37                           | -0.88              | 15.49      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 16.46                           | -0.88              | 15.58      | 0.036    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 16.47                           | -0.88              | 15.59      | 0.036    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 16.32                           | -0.88              | 15.44      | 0.035    | 2.00      | Pass    |
|                  | HCH          | 64-QAM    | RB1#0                 | 17.75                           | -0.88              | 16.87      | 0.049    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 18.09                           | -0.88              | 17.21      | 0.053    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 17.94                           | -0.88              | 17.06      | 0.051    | 2.00      | Pass    |



| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND7</b> |              |           |                       |                                 |                    |            |          |           |         |
| 20 MHz           |              |           | RB36#0                | 16.42                           | -0.88              | 15.54      | 0.036    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 16.38                           | -0.88              | 15.50      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 16.6                            | -0.88              | 15.72      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 16.31                           | -0.88              | 15.43      | 0.035    | 2.00      | Pass    |
|                  | LCH          | 64-QAM    | RB1#0                 | 17.74                           | -0.88              | 16.86      | 0.049    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 18.04                           | -0.88              | 17.16      | 0.052    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 17.88                           | -0.88              | 17.00      | 0.050    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 16.32                           | -0.88              | 15.44      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 16.63                           | -0.88              | 15.75      | 0.038    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 16.54                           | -0.88              | 15.66      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 16.36                           | -0.88              | 15.48      | 0.035    | 2.00      | Pass    |
|                  | MCH          | 64-QAM    | RB1#0                 | 17.58                           | -0.88              | 16.70      | 0.047    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 17.94                           | -0.88              | 17.06      | 0.051    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 17.84                           | -0.88              | 16.96      | 0.050    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 16.43                           | -0.88              | 15.55      | 0.036    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 16.51                           | -0.88              | 15.63      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 16.35                           | -0.88              | 15.47      | 0.035    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 16.43                           | -0.88              | 15.55      | 0.036    | 2.00      | Pass    |
|                  | HCH          | 64-QAM    | RB1#0                 | 17.82                           | -0.88              | 16.94      | 0.049    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 18.07                           | -0.88              | 17.19      | 0.052    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 17.89                           | -0.88              | 17.01      | 0.050    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 16.52                           | -0.88              | 15.64      | 0.037    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 16.42                           | -0.88              | 15.54      | 0.036    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 16.66                           | -0.88              | 15.78      | 0.038    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 16.38                           | -0.88              | 15.50      | 0.035    | 2.00      | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND38</b> |              |           |                       |                                 |                    |            |          |           |         |
| 5 MHz             | LCH          | QPSK      | RB1#0                 | 21.93                           | -0.88              | 21.05      | 0.127    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 21.96                           | -0.88              | 21.08      | 0.128    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 21.93                           | -0.88              | 21.05      | 0.127    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 20.86                           | -0.88              | 19.98      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 20.92                           | -0.88              | 20.04      | 0.101    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 20.92                           | -0.88              | 20.04      | 0.101    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.81                           | -0.88              | 19.93      | 0.098    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 20.72                           | -0.88              | 19.84      | 0.096    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 21.02                           | -0.88              | 20.14      | 0.103    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 20.63                           | -0.88              | 19.75      | 0.094    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 19.9                            | -0.88              | 19.02      | 0.080    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 19.99                           | -0.88              | 19.11      | 0.081    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 19.75                           | -0.88              | 18.87      | 0.077    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 19.93                           | -0.88              | 19.05      | 0.080    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 21.6                            | -0.88              | 20.72      | 0.118    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 22.12                           | -0.88              | 21.24      | 0.133    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 21.91                           | -0.88              | 21.03      | 0.127    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 20.91                           | -0.88              | 20.03      | 0.101    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 20.89                           | -0.88              | 20.01      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 20.97                           | -0.88              | 20.09      | 0.102    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.07                           | -0.88              | 20.19      | 0.104    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 20.55                           | -0.88              | 19.67      | 0.093    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 20.83                           | -0.88              | 19.95      | 0.099    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 20.84                           | -0.88              | 19.96      | 0.099    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 19.92                           | -0.88              | 19.04      | 0.080    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 19.88                           | -0.88              | 19.00      | 0.079    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 19.88                           | -0.88              | 19.00      | 0.079    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20                              | -0.88              | 19.12      | 0.082    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 21.84                           | -0.88              | 20.96      | 0.125    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 22.09                           | -0.88              | 21.21      | 0.132    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 21.94                           | -0.88              | 21.06      | 0.128    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 20.85                           | -0.88              | 19.97      | 0.099    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 21.09                           | -0.88              | 20.21      | 0.105    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 21.19                           | -0.88              | 20.31      | 0.107    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.11                           | -0.88              | 20.23      | 0.105    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 20.89                           | -0.88              | 20.01      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 21.28                           | -0.88              | 20.40      | 0.110    | 2.00      | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND38</b> |              |           |                       |                                 |                    |            |          |           |         |
| 10 MHz            |              |           | RB1#24                | 21.24                           | -0.88              | 20.36      | 0.109    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 20.02                           | -0.88              | 19.14      | 0.082    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 19.99                           | -0.88              | 19.11      | 0.081    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 20.2                            | -0.88              | 19.32      | 0.086    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 19.95                           | -0.88              | 19.07      | 0.081    | 2.00      | Pass    |
|                   | LCH          | QPSK      | RB1#0                 | 21.98                           | -0.88              | 21.10      | 0.129    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 22.1                            | -0.88              | 21.22      | 0.132    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 21.94                           | -0.88              | 21.06      | 0.128    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.79                           | -0.88              | 19.91      | 0.098    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 21.06                           | -0.88              | 20.18      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 20.81                           | -0.88              | 19.93      | 0.098    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21                              | -0.88              | 20.12      | 0.103    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 20.93                           | -0.88              | 20.05      | 0.101    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 21.06                           | -0.88              | 20.18      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 20.59                           | -0.88              | 19.71      | 0.094    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 19.87                           | -0.88              | 18.99      | 0.079    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 19.85                           | -0.88              | 18.97      | 0.079    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 19.65                           | -0.88              | 18.77      | 0.075    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 19.73                           | -0.88              | 18.85      | 0.077    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 21.67                           | -0.88              | 20.79      | 0.120    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 21.84                           | -0.88              | 20.96      | 0.125    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 21.88                           | -0.88              | 21.00      | 0.126    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.88                           | -0.88              | 20.00      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 21.11                           | -0.88              | 20.23      | 0.105    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 21.18                           | -0.88              | 20.30      | 0.107    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.87                           | -0.88              | 19.99      | 0.100    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 20.47                           | -0.88              | 19.59      | 0.091    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 20.94                           | -0.88              | 20.06      | 0.101    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 20.99                           | -0.88              | 20.11      | 0.103    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 19.92                           | -0.88              | 19.04      | 0.080    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 19.83                           | -0.88              | 18.95      | 0.079    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 20.05                           | -0.88              | 19.17      | 0.083    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 19.83                           | -0.88              | 18.95      | 0.079    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 21.98                           | -0.88              | 21.10      | 0.129    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 22.05                           | -0.88              | 21.17      | 0.131    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 21.87                           | -0.88              | 20.99      | 0.126    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.04                           | -0.88              | 20.16      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 21.12                           | -0.88              | 20.24      | 0.106    | 2.00      | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND38</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              | 16-QAM    | RB25#25               | 21                              | -0.88              | 20.12      | 0.103    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.91                           | -0.88              | 20.03      | 0.101    | 2.00      | Pass    |
|                   |              |           | RB1#0                 | 21.05                           | -0.88              | 20.17      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 21.27                           | -0.88              | 20.39      | 0.109    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 21.05                           | -0.88              | 20.17      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 19.9                            | -0.88              | 19.02      | 0.080    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 19.94                           | -0.88              | 19.06      | 0.081    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 20.09                           | -0.88              | 19.21      | 0.083    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.05                           | -0.88              | 19.17      | 0.083    | 2.00      | Pass    |
| 15 MHz            | LCH          | QPSK      | RB1#0                 | 21.89                           | -0.88              | 21.01      | 0.126    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 22.14                           | -0.88              | 21.26      | 0.134    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 21.84                           | -0.88              | 20.96      | 0.125    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 20.88                           | -0.88              | 20.00      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 20.85                           | -0.88              | 19.97      | 0.099    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 20.84                           | -0.88              | 19.96      | 0.099    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 20.95                           | -0.88              | 20.07      | 0.102    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 20.72                           | -0.88              | 19.84      | 0.096    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 20.93                           | -0.88              | 20.05      | 0.101    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 20.77                           | -0.88              | 19.89      | 0.097    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 19.78                           | -0.88              | 18.90      | 0.078    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 19.88                           | -0.88              | 19.00      | 0.079    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 19.75                           | -0.88              | 18.87      | 0.077    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 19.96                           | -0.88              | 19.08      | 0.081    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 21.59                           | -0.88              | 20.71      | 0.118    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 22.1                            | -0.88              | 21.22      | 0.132    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 22.09                           | -0.88              | 21.21      | 0.132    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 20.9                            | -0.88              | 20.02      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 21.11                           | -0.88              | 20.23      | 0.105    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 21.02                           | -0.88              | 20.14      | 0.103    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 21.02                           | -0.88              | 20.14      | 0.103    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 20.55                           | -0.88              | 19.67      | 0.093    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 20.87                           | -0.88              | 19.99      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 20.98                           | -0.88              | 20.10      | 0.102    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 19.73                           | -0.88              | 18.85      | 0.077    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 20.06                           | -0.88              | 19.18      | 0.083    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 20.01                           | -0.88              | 19.13      | 0.082    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 20.01                           | -0.88              | 19.13      | 0.082    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 21.92                           | -0.88              | 21.04      | 0.127    | 2.00      | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND38</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB1#38                | 22.07                           | -0.88              | 21.19      | 0.132    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 22.09                           | -0.88              | 21.21      | 0.132    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 20.86                           | -0.88              | 19.98      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 21.13                           | -0.88              | 20.25      | 0.106    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 21.01                           | -0.88              | 20.13      | 0.103    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 21.18                           | -0.88              | 20.30      | 0.107    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.15                           | -0.88              | 20.27      | 0.106    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 21.28                           | -0.88              | 20.40      | 0.110    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 21.1                            | -0.88              | 20.22      | 0.105    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 19.99                           | -0.88              | 19.11      | 0.081    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 20.05                           | -0.88              | 19.17      | 0.083    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 20.08                           | -0.88              | 19.20      | 0.083    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 19.86                           | -0.88              | 18.98      | 0.079    | 2.00      | Pass    |
| 20 MHz            | LCH          | QPSK      | RB1#0                 | 21.85                           | -0.88              | 20.97      | 0.125    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 22                              | -0.88              | 21.12      | 0.129    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 21.79                           | -0.88              | 20.91      | 0.123    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.92                           | -0.88              | 20.04      | 0.101    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 20.96                           | -0.88              | 20.08      | 0.102    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 20.82                           | -0.88              | 19.94      | 0.099    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 20.88                           | -0.88              | 20.00      | 0.100    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 20.81                           | -0.88              | 19.93      | 0.098    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 20.94                           | -0.88              | 20.06      | 0.101    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 20.74                           | -0.88              | 19.86      | 0.097    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 19.89                           | -0.88              | 19.01      | 0.080    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 19.9                            | -0.88              | 19.02      | 0.080    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 19.74                           | -0.88              | 18.86      | 0.077    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 19.86                           | -0.88              | 18.98      | 0.079    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 21.66                           | -0.88              | 20.78      | 0.120    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 21.99                           | -0.88              | 21.11      | 0.129    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 21.97                           | -0.88              | 21.09      | 0.129    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.79                           | -0.88              | 19.91      | 0.098    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 21                              | -0.88              | 20.12      | 0.103    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 21.05                           | -0.88              | 20.17      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 20.96                           | -0.88              | 20.08      | 0.102    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 20.61                           | -0.88              | 19.73      | 0.094    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 20.88                           | -0.88              | 20.00      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 20.9                            | -0.88              | 20.02      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 19.77                           | -0.88              | 18.89      | 0.077    | 2.00      | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND38</b> |              |           |                       |                                 |                    |            |          |           |         |
| 5 MHz             |              |           | RB50#25               | 19.97                           | -0.88              | 19.09      | 0.081    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 20.03                           | -0.88              | 19.15      | 0.082    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 19.91                           | -0.88              | 19.03      | 0.080    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 21.92                           | -0.88              | 21.04      | 0.127    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 22.15                           | -0.88              | 21.27      | 0.134    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 22.01                           | -0.88              | 21.13      | 0.130    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.97                           | -0.88              | 20.09      | 0.102    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 21.09                           | -0.88              | 20.21      | 0.105    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 21.12                           | -0.88              | 20.24      | 0.106    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 21.03                           | -0.88              | 20.15      | 0.104    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.01                           | -0.88              | 20.13      | 0.103    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 21.24                           | -0.88              | 20.36      | 0.109    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 21.1                            | -0.88              | 20.22      | 0.105    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 19.98                           | -0.88              | 19.10      | 0.081    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 20.08                           | -0.88              | 19.20      | 0.083    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 20.15                           | -0.88              | 19.27      | 0.085    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 20.01                           | -0.88              | 19.13      | 0.082    | 2.00      | Pass    |
| 5 MHz             | LCH          | 64-QAM    | RB1#0                 | 19.86                           | -0.88              | 18.98      | 0.079    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 19.89                           | -0.88              | 19.01      | 0.080    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 19.88                           | -0.88              | 19.00      | 0.079    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 18.96                           | -0.88              | 18.08      | 0.064    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 19.1                            | -0.88              | 18.22      | 0.066    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 18.78                           | -0.88              | 17.90      | 0.062    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 18.8                            | -0.88              | 17.92      | 0.062    | 2.00      | Pass    |
|                   | MCH          | 64-QAM    | RB1#0                 | 19.74                           | -0.88              | 18.86      | 0.077    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 19.86                           | -0.88              | 18.98      | 0.079    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 20.03                           | -0.88              | 19.15      | 0.082    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 18.68                           | -0.88              | 17.80      | 0.060    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 19.11                           | -0.88              | 18.23      | 0.067    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 19.08                           | -0.88              | 18.20      | 0.066    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 18.88                           | -0.88              | 18.00      | 0.063    | 2.00      | Pass    |
|                   | HCH          | 64-QAM    | RB1#0                 | 19.88                           | -0.88              | 19.00      | 0.079    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 20.24                           | -0.88              | 19.36      | 0.086    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 20.11                           | -0.88              | 19.23      | 0.084    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 18.82                           | -0.88              | 17.94      | 0.062    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 19.12                           | -0.88              | 18.24      | 0.067    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 19.17                           | -0.88              | 18.29      | 0.067    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 18.97                           | -0.88              | 18.09      | 0.064    | 2.00      | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND38</b> |              |           |                       |                                 |                    |            |          |           |         |
| 10 MHz            | LCH          | 64-QAM    | RB1#0                 | 19.95                           | -0.88              | 19.07      | 0.081    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 19.89                           | -0.88              | 19.01      | 0.080    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 19.62                           | -0.88              | 18.74      | 0.075    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 18.86                           | -0.88              | 17.98      | 0.063    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 19.12                           | -0.88              | 18.24      | 0.067    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 18.6                            | -0.88              | 17.72      | 0.059    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 18.89                           | -0.88              | 18.01      | 0.063    | 2.00      | Pass    |
|                   | MCH          | 64-QAM    | RB1#0                 | 19.56                           | -0.88              | 18.68      | 0.074    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 19.86                           | -0.88              | 18.98      | 0.079    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 19.85                           | -0.88              | 18.97      | 0.079    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 18.48                           | -0.88              | 17.60      | 0.058    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 18.96                           | -0.88              | 18.08      | 0.064    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 19.02                           | -0.88              | 18.14      | 0.065    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 19                              | -0.88              | 18.12      | 0.065    | 2.00      | Pass    |
|                   | HCH          | 64-QAM    | RB1#0                 | 19.81                           | -0.88              | 18.93      | 0.078    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 20.27                           | -0.88              | 19.39      | 0.087    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 19.92                           | -0.88              | 19.04      | 0.080    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 18.87                           | -0.88              | 17.99      | 0.063    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 19.09                           | -0.88              | 18.21      | 0.066    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 18.87                           | -0.88              | 17.99      | 0.063    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 18.84                           | -0.88              | 17.96      | 0.063    | 2.00      | Pass    |
| 15 MHz            | LCH          | 64-QAM    | RB1#0                 | 20.02                           | -0.88              | 19.14      | 0.082    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 20.13                           | -0.88              | 19.25      | 0.084    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 19.62                           | -0.88              | 18.74      | 0.075    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 19.1                            | -0.88              | 18.22      | 0.066    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 19.06                           | -0.88              | 18.18      | 0.066    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 18.62                           | -0.88              | 17.74      | 0.059    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 18.72                           | -0.88              | 17.84      | 0.061    | 2.00      | Pass    |
|                   | MCH          | 64-QAM    | RB1#0                 | 19.63                           | -0.88              | 18.75      | 0.075    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 19.76                           | -0.88              | 18.88      | 0.077    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 19.87                           | -0.88              | 18.99      | 0.079    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 18.67                           | -0.88              | 17.79      | 0.060    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 19.1                            | -0.88              | 18.22      | 0.066    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 19.02                           | -0.88              | 18.14      | 0.065    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 18.84                           | -0.88              | 17.96      | 0.063    | 2.00      | Pass    |
|                   | HCH          | 64-QAM    | RB1#0                 | 19.95                           | -0.88              | 19.07      | 0.081    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 20.48                           | -0.88              | 19.60      | 0.091    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 19.99                           | -0.88              | 19.11      | 0.081    | 2.00      | Pass    |



| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND38</b> |              |           |                       |                                 |                    |            |          |           |         |
| 20 MHz            |              |           | RB36#0                | 19.03                           | -0.88              | 18.15      | 0.065    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 19.08                           | -0.88              | 18.20      | 0.066    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 19.07                           | -0.88              | 18.19      | 0.066    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 18.97                           | -0.88              | 18.09      | 0.064    | 2.00      | Pass    |
|                   | LCH          | 64-QAM    | RB1#0                 | 19.9                            | -0.88              | 19.02      | 0.080    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 19.99                           | -0.88              | 19.11      | 0.081    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 19.74                           | -0.88              | 18.86      | 0.077    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 18.98                           | -0.88              | 18.10      | 0.065    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 18.98                           | -0.88              | 18.10      | 0.065    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 18.72                           | -0.88              | 17.84      | 0.061    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 18.79                           | -0.88              | 17.91      | 0.062    | 2.00      | Pass    |
|                   | MCH          | 64-QAM    | RB1#0                 | 19.66                           | -0.88              | 18.78      | 0.076    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 19.91                           | -0.88              | 19.03      | 0.080    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 19.98                           | -0.88              | 19.10      | 0.081    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 18.62                           | -0.88              | 17.74      | 0.059    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 19.03                           | -0.88              | 18.15      | 0.065    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 18.94                           | -0.88              | 18.06      | 0.064    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 18.91                           | -0.88              | 18.03      | 0.064    | 2.00      | Pass    |
|                   | HCH          | 64-QAM    | RB1#0                 | 19.89                           | -0.88              | 19.01      | 0.080    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 20.37                           | -0.88              | 19.49      | 0.089    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 20.05                           | -0.88              | 19.17      | 0.083    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 18.88                           | -0.88              | 18.00      | 0.063    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 18.97                           | -0.88              | 18.09      | 0.064    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 19.02                           | -0.88              | 18.14      | 0.065    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 18.86                           | -0.88              | 17.98      | 0.063    | 2.00      | Pass    |



| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND41</b> |              |           |                       |                                 |                    |            |          |           |         |
| 5 MHz             | LCH          | QPSK      | RB1#0                 | 21.85                           | -0.88              | 20.97      | 0.125    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 22.06                           | -0.88              | 21.18      | 0.131    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 22                              | -0.88              | 21.12      | 0.129    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 20.99                           | -0.88              | 20.11      | 0.103    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 21.01                           | -0.88              | 20.13      | 0.103    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 20.97                           | -0.88              | 20.09      | 0.102    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.79                           | -0.88              | 19.91      | 0.098    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21                              | -0.88              | 20.12      | 0.103    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 21.22                           | -0.88              | 20.34      | 0.108    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 21.04                           | -0.88              | 20.16      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 19.78                           | -0.88              | 18.90      | 0.078    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 19.9                            | -0.88              | 19.02      | 0.080    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 20.06                           | -0.88              | 19.18      | 0.083    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 19.96                           | -0.88              | 19.08      | 0.081    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 21.77                           | -0.88              | 20.89      | 0.123    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 22.04                           | -0.88              | 21.16      | 0.131    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 22.12                           | -0.88              | 21.24      | 0.133    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 20.88                           | -0.88              | 20.00      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 20.95                           | -0.88              | 20.07      | 0.102    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 21.05                           | -0.88              | 20.17      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.85                           | -0.88              | 19.97      | 0.099    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 20.73                           | -0.88              | 19.85      | 0.097    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 20.89                           | -0.88              | 20.01      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 20.93                           | -0.88              | 20.05      | 0.101    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 19.9                            | -0.88              | 19.02      | 0.080    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 19.86                           | -0.88              | 18.98      | 0.079    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 20.08                           | -0.88              | 19.20      | 0.083    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 19.94                           | -0.88              | 19.06      | 0.081    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 21.94                           | -0.88              | 21.06      | 0.128    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 22.26                           | -0.88              | 21.38      | 0.137    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 21.96                           | -0.88              | 21.08      | 0.128    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 21.13                           | -0.88              | 20.25      | 0.106    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 21.04                           | -0.88              | 20.16      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 21.21                           | -0.88              | 20.33      | 0.108    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.05                           | -0.88              | 20.17      | 0.104    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 20.86                           | -0.88              | 19.98      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 20.99                           | -0.88              | 20.11      | 0.103    | 2.00      | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND41</b> |              |           |                       |                                 |                    |            |          |           |         |
| 10 MHz            |              |           | RB1#24                | 20.98                           | -0.88              | 20.10      | 0.102    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 20.09                           | -0.88              | 19.21      | 0.083    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 20.28                           | -0.88              | 19.40      | 0.087    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 20.13                           | -0.88              | 19.25      | 0.084    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.12                           | -0.88              | 19.24      | 0.084    | 2.00      | Pass    |
|                   | LCH          | QPSK      | RB1#0                 | 21.73                           | -0.88              | 20.85      | 0.122    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 22.07                           | -0.88              | 21.19      | 0.132    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 21.93                           | -0.88              | 21.05      | 0.127    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.9                            | -0.88              | 20.02      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 21.08                           | -0.88              | 20.20      | 0.105    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 20.85                           | -0.88              | 19.97      | 0.099    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.84                           | -0.88              | 19.96      | 0.099    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 20.79                           | -0.88              | 19.91      | 0.098    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 21.03                           | -0.88              | 20.15      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 21.16                           | -0.88              | 20.28      | 0.107    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 19.75                           | -0.88              | 18.87      | 0.077    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 19.98                           | -0.88              | 19.10      | 0.081    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 19.88                           | -0.88              | 19.00      | 0.079    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 19.83                           | -0.88              | 18.95      | 0.079    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 21.84                           | -0.88              | 20.96      | 0.125    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 22.07                           | -0.88              | 21.19      | 0.132    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 22                              | -0.88              | 21.12      | 0.129    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.91                           | -0.88              | 20.03      | 0.101    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 21.19                           | -0.88              | 20.31      | 0.107    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 20.98                           | -0.88              | 20.10      | 0.102    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.94                           | -0.88              | 20.06      | 0.101    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 20.74                           | -0.88              | 19.86      | 0.097    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 21.12                           | -0.88              | 20.24      | 0.106    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 20.91                           | -0.88              | 20.03      | 0.101    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 19.8                            | -0.88              | 18.92      | 0.078    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 20.03                           | -0.88              | 19.15      | 0.082    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 19.88                           | -0.88              | 19.00      | 0.079    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 19.97                           | -0.88              | 19.09      | 0.081    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 21.99                           | -0.88              | 21.11      | 0.129    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 22.33                           | -0.88              | 21.45      | 0.140    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 22.15                           | -0.88              | 21.27      | 0.134    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.13                           | -0.88              | 20.25      | 0.106    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 21.04                           | -0.88              | 20.16      | 0.104    | 2.00      | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND41</b> |              |           |                       |                                 |                    |            |          |           |         |
| 15 MHz            |              | 16-QAM    | RB25#25               | 21.1                            | -0.88              | 20.22      | 0.105    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.96                           | -0.88              | 20.08      | 0.102    | 2.00      | Pass    |
|                   |              |           | RB1#0                 | 20.69                           | -0.88              | 19.81      | 0.096    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 21.03                           | -0.88              | 20.15      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 20.84                           | -0.88              | 19.96      | 0.099    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 19.98                           | -0.88              | 19.10      | 0.081    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 20.19                           | -0.88              | 19.31      | 0.085    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 19.91                           | -0.88              | 19.03      | 0.080    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 19.99                           | -0.88              | 19.11      | 0.081    | 2.00      | Pass    |
|                   | LCH          | QPSK      | RB1#0                 | 21.83                           | -0.88              | 20.95      | 0.124    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 22.15                           | -0.88              | 21.27      | 0.134    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 22.01                           | -0.88              | 21.13      | 0.130    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 20.85                           | -0.88              | 19.97      | 0.099    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 20.91                           | -0.88              | 20.03      | 0.101    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 20.91                           | -0.88              | 20.03      | 0.101    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 21.01                           | -0.88              | 20.13      | 0.103    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 20.91                           | -0.88              | 20.03      | 0.101    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 21.19                           | -0.88              | 20.31      | 0.107    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 21.03                           | -0.88              | 20.15      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 19.77                           | -0.88              | 18.89      | 0.077    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 20.01                           | -0.88              | 19.13      | 0.082    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 19.96                           | -0.88              | 19.08      | 0.081    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 19.78                           | -0.88              | 18.90      | 0.078    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 21.84                           | -0.88              | 20.96      | 0.125    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 22.09                           | -0.88              | 21.21      | 0.132    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 22.06                           | -0.88              | 21.18      | 0.131    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 21                              | -0.88              | 20.12      | 0.103    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 20.94                           | -0.88              | 20.06      | 0.101    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 21                              | -0.88              | 20.12      | 0.103    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 21.05                           | -0.88              | 20.17      | 0.104    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 20.79                           | -0.88              | 19.91      | 0.098    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 20.98                           | -0.88              | 20.10      | 0.102    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 20.91                           | -0.88              | 20.03      | 0.101    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 19.73                           | -0.88              | 18.85      | 0.077    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 19.97                           | -0.88              | 19.09      | 0.081    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 20.1                            | -0.88              | 19.22      | 0.084    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 19.96                           | -0.88              | 19.08      | 0.081    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 21.94                           | -0.88              | 21.06      | 0.128    | 2.00      | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND41</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB1#38                | 22.12                           | -0.88              | 21.24      | 0.133    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 22.03                           | -0.88              | 21.15      | 0.130    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 21.02                           | -0.88              | 20.14      | 0.103    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 21.22                           | -0.88              | 20.34      | 0.108    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 20.99                           | -0.88              | 20.11      | 0.103    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 21                              | -0.88              | 20.12      | 0.103    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 20.8                            | -0.88              | 19.92      | 0.098    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 21.09                           | -0.88              | 20.21      | 0.105    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 20.82                           | -0.88              | 19.94      | 0.099    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 20.08                           | -0.88              | 19.20      | 0.083    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 20.23                           | -0.88              | 19.35      | 0.086    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 20.19                           | -0.88              | 19.31      | 0.085    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 19.98                           | -0.88              | 19.10      | 0.081    | 2.00      | Pass    |
| 20 MHz            | LCH          | QPSK      | RB1#0                 | 21.79                           | -0.88              | 20.91      | 0.123    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 22.07                           | -0.88              | 21.19      | 0.132    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 21.92                           | -0.88              | 21.04      | 0.127    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.87                           | -0.88              | 19.99      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 21.05                           | -0.88              | 20.17      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 21                              | -0.88              | 20.12      | 0.103    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 20.93                           | -0.88              | 20.05      | 0.101    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 20.88                           | -0.88              | 20.00      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 21.17                           | -0.88              | 20.29      | 0.107    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 21.04                           | -0.88              | 20.16      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 19.87                           | -0.88              | 18.99      | 0.079    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 20.05                           | -0.88              | 19.17      | 0.083    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 20                              | -0.88              | 19.12      | 0.082    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 19.93                           | -0.88              | 19.05      | 0.080    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 21.85                           | -0.88              | 20.97      | 0.125    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 22.07                           | -0.88              | 21.19      | 0.132    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 21.98                           | -0.88              | 21.10      | 0.129    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.89                           | -0.88              | 20.01      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 21.04                           | -0.88              | 20.16      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 21.02                           | -0.88              | 20.14      | 0.103    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 20.93                           | -0.88              | 20.05      | 0.101    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 20.79                           | -0.88              | 19.91      | 0.098    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 21.03                           | -0.88              | 20.15      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 20.91                           | -0.88              | 20.03      | 0.101    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 19.85                           | -0.88              | 18.97      | 0.079    | 2.00      | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND41</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB50#25               | 20.01                           | -0.88              | 19.13      | 0.082    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 19.97                           | -0.88              | 19.09      | 0.081    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 19.91                           | -0.88              | 19.03      | 0.080    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 21.91                           | -0.88              | 21.03      | 0.127    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 22.18                           | -0.88              | 21.30      | 0.135    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 22                              | -0.88              | 21.12      | 0.129    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.11                           | -0.88              | 20.23      | 0.105    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 21.19                           | -0.88              | 20.31      | 0.107    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 21.06                           | -0.88              | 20.18      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 21.08                           | -0.88              | 20.20      | 0.105    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 20.83                           | -0.88              | 19.95      | 0.099    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 21.1                            | -0.88              | 20.22      | 0.105    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 20.94                           | -0.88              | 20.06      | 0.101    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.12                           | -0.88              | 19.24      | 0.084    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 20.15                           | -0.88              | 19.27      | 0.085    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 20.04                           | -0.88              | 19.16      | 0.082    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 20.1                            | -0.88              | 19.22      | 0.084    | 2.00      | Pass    |
| 5 MHz             | LCH          | 64-QAM    | RB1#0                 | 20.09                           | -0.88              | 19.21      | 0.083    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 20.23                           | -0.88              | 19.35      | 0.086    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 19.93                           | -0.88              | 19.05      | 0.080    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 18.91                           | -0.88              | 18.03      | 0.064    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 18.99                           | -0.88              | 18.11      | 0.065    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 19.02                           | -0.88              | 18.14      | 0.065    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 18.86                           | -0.88              | 17.98      | 0.063    | 2.00      | Pass    |
|                   | MCH          | 64-QAM    | RB1#0                 | 19.84                           | -0.88              | 18.96      | 0.079    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 20.27                           | -0.88              | 19.39      | 0.087    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 19.71                           | -0.88              | 18.83      | 0.076    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 19.04                           | -0.88              | 18.16      | 0.065    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 19.05                           | -0.88              | 18.17      | 0.066    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 18.69                           | -0.88              | 17.81      | 0.060    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 19.05                           | -0.88              | 18.17      | 0.066    | 2.00      | Pass    |
|                   | HCH          | 64-QAM    | RB1#0                 | 19.73                           | -0.88              | 18.85      | 0.077    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 20.01                           | -0.88              | 19.13      | 0.082    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 20.11                           | -0.88              | 19.23      | 0.084    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 19.21                           | -0.88              | 18.33      | 0.068    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 19.19                           | -0.88              | 18.31      | 0.068    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 19.18                           | -0.88              | 18.30      | 0.068    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 19.11                           | -0.88              | 18.23      | 0.067    | 2.00      | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND41</b> |              |           |                       |                                 |                    |            |          |           |         |
| 10 MHz            | LCH          | 64-QAM    | RB1#0                 | 19.94                           | -0.88              | 19.06      | 0.081    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 20.15                           | -0.88              | 19.27      | 0.085    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 19.82                           | -0.88              | 18.94      | 0.078    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 18.83                           | -0.88              | 17.95      | 0.062    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 18.84                           | -0.88              | 17.96      | 0.063    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 18.95                           | -0.88              | 18.07      | 0.064    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 18.91                           | -0.88              | 18.03      | 0.064    | 2.00      | Pass    |
|                   | MCH          | 64-QAM    | RB1#0                 | 19.9                            | -0.88              | 19.02      | 0.080    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 20.15                           | -0.88              | 19.27      | 0.085    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 19.87                           | -0.88              | 18.99      | 0.079    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 18.96                           | -0.88              | 18.08      | 0.064    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 19.01                           | -0.88              | 18.13      | 0.065    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 18.99                           | -0.88              | 18.11      | 0.065    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 19.07                           | -0.88              | 18.19      | 0.066    | 2.00      | Pass    |
|                   | HCH          | 64-QAM    | RB1#0                 | 19.8                            | -0.88              | 18.92      | 0.078    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 20.22                           | -0.88              | 19.34      | 0.086    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 20                              | -0.88              | 19.12      | 0.082    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 19.06                           | -0.88              | 18.18      | 0.066    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 19.04                           | -0.88              | 18.16      | 0.065    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 19.08                           | -0.88              | 18.20      | 0.066    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 18.94                           | -0.88              | 18.06      | 0.064    | 2.00      | Pass    |
| 15 MHz            | LCH          | 64-QAM    | RB1#0                 | 19.88                           | -0.88              | 19.00      | 0.079    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 20.07                           | -0.88              | 19.19      | 0.083    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 20.01                           | -0.88              | 19.13      | 0.082    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 18.78                           | -0.88              | 17.90      | 0.062    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 19.01                           | -0.88              | 18.13      | 0.065    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 19.15                           | -0.88              | 18.27      | 0.067    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 18.85                           | -0.88              | 17.97      | 0.063    | 2.00      | Pass    |
|                   | MCH          | 64-QAM    | RB1#0                 | 19.89                           | -0.88              | 19.01      | 0.080    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 20.11                           | -0.88              | 19.23      | 0.084    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 19.81                           | -0.88              | 18.93      | 0.078    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 18.87                           | -0.88              | 17.99      | 0.063    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 19.01                           | -0.88              | 18.13      | 0.065    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 18.84                           | -0.88              | 17.96      | 0.063    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 19.05                           | -0.88              | 18.17      | 0.066    | 2.00      | Pass    |
|                   | HCH          | 64-QAM    | RB1#0                 | 19.81                           | -0.88              | 18.93      | 0.078    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 20.2                            | -0.88              | 19.32      | 0.086    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 19.85                           | -0.88              | 18.97      | 0.079    | 2.00      | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND41</b> |              |           |                       |                                 |                    |            |          |           |         |
| 20 MHz            |              |           | RB36#0                | 19.13                           | -0.88              | 18.25      | 0.067    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 19.09                           | -0.88              | 18.21      | 0.066    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 18.94                           | -0.88              | 18.06      | 0.064    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 19.02                           | -0.88              | 18.14      | 0.065    | 2.00      | Pass    |
|                   | LCH          | 64-QAM    | RB1#0                 | 19.82                           | -0.88              | 18.94      | 0.078    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 20.22                           | -0.88              | 19.34      | 0.086    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 19.94                           | -0.88              | 19.06      | 0.081    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 18.73                           | -0.88              | 17.85      | 0.061    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 18.92                           | -0.88              | 18.04      | 0.064    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 19                              | -0.88              | 18.12      | 0.065    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 18.89                           | -0.88              | 18.01      | 0.063    | 2.00      | Pass    |
|                   | MCH          | 64-QAM    | RB1#0                 | 19.78                           | -0.88              | 18.90      | 0.078    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 20.14                           | -0.88              | 19.26      | 0.084    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 19.77                           | -0.88              | 18.89      | 0.077    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 18.98                           | -0.88              | 18.10      | 0.065    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 19.09                           | -0.88              | 18.21      | 0.066    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 18.99                           | -0.88              | 18.11      | 0.065    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 18.99                           | -0.88              | 18.11      | 0.065    | 2.00      | Pass    |
|                   | HCH          | 64-QAM    | RB1#0                 | 19.7                            | -0.88              | 18.82      | 0.076    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 20.15                           | -0.88              | 19.27      | 0.085    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 20                              | -0.88              | 19.12      | 0.082    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 19                              | -0.88              | 18.12      | 0.065    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 19.13                           | -0.88              | 18.25      | 0.067    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 18.96                           | -0.88              | 18.08      | 0.064    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 19.09                           | -0.88              | 18.21      | 0.066    | 2.00      | Pass    |



| Modulation  | PCC RB |        | SCC RB |        | Conducted Output AV<br>Power (dBm) |       |       | Antenna Gain (dBi) | EIRP (W) |       |       | Limit<br>(W) |
|-------------|--------|--------|--------|--------|------------------------------------|-------|-------|--------------------|----------|-------|-------|--------------|
|             | Size   | Offset | Size   | Offset | LCH                                | MCH   | HCH   |                    | LCH      | MCH   | HCH   |              |
| CA_2C       |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| 5MHz+20MHz  |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 24     | 1      | 0      | 19.51                              | 19.61 | 19.62 | -2.8               | 0.047    | 0.048 | 0.048 | 2.000        |
|             | 25     | 0      | 100    | 0      | 17.6                               | 17.73 | 17.89 | -2.8               | 0.030    | 0.031 | 0.032 | 2.000        |
| 16-QAM      | 1      | 24     | 1      | 0      | 19.03                              | 18.51 | 18.07 | -2.8               | 0.042    | 0.037 | 0.034 | 2.000        |
|             | 25     | 0      | 100    | 0      | 16.77                              | 16.41 | 16.81 | -2.8               | 0.025    | 0.023 | 0.025 | 2.000        |
| 20MHz+5MHz  |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 0      | 0      | 0      | 19.26                              | 18.62 | 18.93 | -2.8               | 0.044    | 0.038 | 0.041 | 2.000        |
|             | 50     | 0      | 0      | 0      | 17.77                              | 18.1  | 18.18 | -2.8               | 0.031    | 0.034 | 0.035 | 2.000        |
|             | 100    | 0      | 0      | 0      | 18.68                              | 18.08 | 18.59 | -2.8               | 0.039    | 0.034 | 0.038 | 2.000        |
|             | 1      | 99     | 1      | 0      | 19.39                              | 19.36 | 19.14 | -2.8               | 0.046    | 0.045 | 0.043 | 2.000        |
|             | 100    | 0      | 25     | 0      | 17.09                              | 17.07 | 17.17 | -2.8               | 0.027    | 0.027 | 0.027 | 2.000        |
| 16-QAM      | 1      | 0      | 0      | 0      | 18.08                              | 17.67 | 17.97 | -2.8               | 0.034    | 0.031 | 0.033 | 2.000        |
|             | 50     | 0      | 0      | 0      | 16.85                              | 16.9  | 17.25 | -2.8               | 0.025    | 0.026 | 0.028 | 2.000        |
|             | 100    | 0      | 0      | 0      | 17.78                              | 17.53 | 17.37 | -2.8               | 0.031    | 0.030 | 0.029 | 2.000        |
|             | 1      | 99     | 1      | 0      | 18.37                              | 18.76 | 18.69 | -2.8               | 0.036    | 0.039 | 0.039 | 2.000        |
|             | 100    | 0      | 25     | 0      | 16.8                               | 16.82 | 16.23 | -2.8               | 0.025    | 0.025 | 0.022 | 2.000        |
| 10MHz+15MHz |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 49     | 1      | 0      | 19.59                              | 19.42 | 19.26 | -2.8               | 0.048    | 0.046 | 0.044 | 2.000        |
|             | 50     | 0      | 75     | 0      | 17.74                              | 17.59 | 17.2  | -2.8               | 0.031    | 0.030 | 0.028 | 2.000        |
| 16-QAM      | 1      | 49     | 1      | 0      | 18.47                              | 18.46 | 18.6  | -2.8               | 0.037    | 0.037 | 0.038 | 2.000        |
|             | 50     | 0      | 75     | 0      | 16.78                              | 16.4  | 16.45 | -2.8               | 0.025    | 0.023 | 0.023 | 2.000        |
| 15MHz+10MHz |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 74     | 1      | 0      | 20.18                              | 19.8  | 19.79 | -2.8               | 0.055    | 0.050 | 0.050 | 2.000        |
|             | 75     | 0      | 50     | 0      | 17.25                              | 17.78 | 17.3  | -2.8               | 0.028    | 0.031 | 0.028 | 2.000        |
| 16-QAM      | 1      | 74     | 1      | 0      | 18.82                              | 18.11 | 18.19 | -2.8               | 0.040    | 0.034 | 0.035 | 2.000        |
|             | 75     | 0      | 50     | 0      | 15.99                              | 15.89 | 16.13 | -2.8               | 0.021    | 0.020 | 0.022 | 2.000        |
| 10MHz+20MHz |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 49     | 1      | 0      | 19.42                              | 19.2  | 19.14 | -2.8               | 0.046    | 0.044 | 0.043 | 2.000        |
|             | 50     | 0      | 100    | 0      | 17.36                              | 17.17 | 17.33 | -2.8               | 0.029    | 0.027 | 0.028 | 2.000        |
| 16-QAM      | 1      | 49     | 1      | 0      | 18.67                              | 18.11 | 18.53 | -2.8               | 0.039    | 0.034 | 0.037 | 2.000        |
|             | 50     | 0      | 100    | 0      | 16.6                               | 15.86 | 16.02 | -2.8               | 0.024    | 0.020 | 0.021 | 2.000        |
| 20MHz+10MHz |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 99     | 1      | 0      | 19.73                              | 19.87 | 19.18 | -2.8               | 0.049    | 0.051 | 0.043 | 2.000        |
|             | 100    | 0      | 50     | 0      | 17.11                              | 17.09 | 17.42 | -2.8               | 0.027    | 0.027 | 0.029 | 2.000        |
| 16-QAM      | 1      | 99     | 1      | 0      | 18.54                              | 18.62 | 18.64 | -2.8               | 0.037    | 0.038 | 0.038 | 2.000        |
|             | 100    | 0      | 50     | 0      | 16.13                              | 16.28 | 16.42 | -2.8               | 0.022    | 0.022 | 0.023 | 2.000        |
| 15MHz+15MHz |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 74     | 1      | 0      | 19.96                              | 19.99 | 19.4  | -2.8               | 0.052    | 0.052 | 0.046 | 2.000        |



| Modulation  | PCC RB |        | SCC RB |        | Conducted Output AV<br>Power (dBm) |       |       | Antenna Gain (dBi) | EIRP (W) |       |       | Limit<br>(W) |
|-------------|--------|--------|--------|--------|------------------------------------|-------|-------|--------------------|----------|-------|-------|--------------|
|             | Size   | Offset | Size   | Offset | LCH                                | MCH   | HCH   |                    | LCH      | MCH   | HCH   |              |
| CA_2C       |        |        |        |        |                                    |       |       |                    |          |       |       |              |
|             | 75     | 0      | 75     | 0      | 17.37                              | 17.62 | 17.54 | -2.8               | 0.029    | 0.030 | 0.030 | 2.000        |
| 16-QAM      | 1      | 74     | 1      | 0      | 18.25                              | 18.66 | 18.3  | -2.8               | 0.035    | 0.039 | 0.035 | 2.000        |
|             | 75     | 0      | 75     | 0      | 15.92                              | 16.24 | 16.13 | -2.8               | 0.021    | 0.022 | 0.022 | 2.000        |
| 15MHz+20MHz |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 74     | 1      | 0      | 19.84                              | 19.29 | 19.94 | -2.8               | 0.051    | 0.045 | 0.052 | 2.000        |
|             | 75     | 0      | 100    | 0      | 17.27                              | 17.88 | 17.71 | -2.8               | 0.028    | 0.032 | 0.031 | 2.000        |
| 16-QAM      | 1      | 74     | 1      | 0      | 18.38                              | 18.88 | 18.55 | -2.8               | 0.036    | 0.041 | 0.038 | 2.000        |
|             | 75     | 0      | 100    | 0      | 16.12                              | 16.29 | 16.72 | -2.8               | 0.021    | 0.022 | 0.025 | 2.000        |
| 20MHz+15MHz |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 99     | 1      | 0      | 19.97                              | 19.84 | 19.24 | -2.8               | 0.052    | 0.051 | 0.044 | 2.000        |
|             | 100    | 0      | 75     | 0      | 17.53                              | 17.69 | 17.26 | -2.8               | 0.030    | 0.031 | 0.028 | 2.000        |
| 16-QAM      | 1      | 99     | 1      | 0      | 18.97                              | 18.78 | 18.5  | -2.8               | 0.041    | 0.040 | 0.037 | 2.000        |
|             | 100    | 0      | 75     | 0      | 16.29                              | 16.4  | 16.3  | -2.8               | 0.022    | 0.023 | 0.022 | 2.000        |
| 20MHz+20MHz |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 0      | 0      | 0      | 18.91                              | 18.99 | 19.13 | -2.8               | 0.041    | 0.042 | 0.043 | 2.000        |
|             | 50     | 0      | 0      | 0      | 18.19                              | 18.3  | 18.4  | -2.8               | 0.035    | 0.035 | 0.036 | 2.000        |
|             | 100    | 0      | 0      | 0      | 18.37                              | 18.43 | 18.59 | -2.8               | 0.036    | 0.037 | 0.038 | 2.000        |
|             | 1      | 99     | 1      | 0      | 19.7                               | 19.56 | 19.49 | -2.8               | 0.049    | 0.047 | 0.047 | 2.000        |
|             | 100    | 0      | 100    | 0      | 17.33                              | 17.39 | 17.39 | -2.8               | 0.028    | 0.029 | 0.029 | 2.000        |
| 16-QAM      | 1      | 0      | 0      | 0      | 18.26                              | 18.1  | 18.47 | -2.8               | 0.035    | 0.034 | 0.037 | 2.000        |
|             | 50     | 0      | 0      | 0      | 17.19                              | 17.27 | 17.4  | -2.8               | 0.027    | 0.028 | 0.029 | 2.000        |
|             | 100    | 0      | 0      | 0      | 17.4                               | 17.51 | 17.61 | -2.8               | 0.029    | 0.030 | 0.030 | 2.000        |
|             | 1      | 99     | 1      | 0      | 18.73                              | 18.45 | 18.52 | -2.8               | 0.039    | 0.037 | 0.037 | 2.000        |
|             | 100    | 0      | 100    | 0      | 16.39                              | 16.35 | 16.44 | -2.8               | 0.023    | 0.023 | 0.023 | 2.000        |

| Modulation  | PCC RB |        | SCC RB |        | Conducted Output AV Power (dBm) |       |       | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (W) |       |       | Limit (W) |
|-------------|--------|--------|--------|--------|---------------------------------|-------|-------|--------------------|--------------------|---------|-------|-------|-----------|
|             | Size   | Offset | Size   | Offset | LCH                             | MCH   | HCH   |                    |                    | LCH     | MCH   | HCH   |           |
| CA_5B       |        |        |        |        |                                 |       |       |                    |                    |         |       |       |           |
| 3MHz+5MHz   |        |        |        |        |                                 |       |       |                    |                    |         |       |       |           |
| QPSK        | 1      | 14     | 1      | 0      | 20.13                           | 19.75 | 20.37 | -6.89              | -9.04              | 0.013   | 0.012 | 0.014 | 7.000     |
|             | 15     | 0      | 25     | 0      | 18.69                           | 18.06 | 18.53 | -6.89              | -9.04              | 0.009   | 0.008 | 0.009 | 7.000     |
| 16-QAM      | 1      | 14     | 1      | 0      | 19.28                           | 19.77 | 19.84 | -6.89              | -9.04              | 0.011   | 0.012 | 0.012 | 7.000     |
|             | 15     | 0      | 25     | 0      | 17.27                           | 16.92 | 16.96 | -6.89              | -9.04              | 0.007   | 0.006 | 0.006 | 7.000     |
| 5MHz+3MHz   |        |        |        |        |                                 |       |       |                    |                    |         |       |       |           |
| QPSK        | 1      | 0      | 0      | 0      | 20.54                           | 20.41 | 20.18 | -6.89              | -9.04              | 0.014   | 0.014 | 0.013 | 7.000     |
|             | 12     | 0      | 0      | 0      | 19.69                           | 19.24 | 19.45 | -6.89              | -9.04              | 0.012   | 0.010 | 0.011 | 7.000     |
|             | 25     | 0      | 0      | 0      | 19                              | 19.01 | 19.58 | -6.89              | -9.04              | 0.010   | 0.010 | 0.011 | 7.000     |
|             | 1      | 24     | 1      | 0      | 19.78                           | 20.69 | 20.3  | -6.89              | -9.04              | 0.012   | 0.015 | 0.013 | 7.000     |
|             | 25     | 0      | 15     | 0      | 18.72                           | 17.91 | 18.55 | -6.89              | -9.04              | 0.009   | 0.008 | 0.009 | 7.000     |
| 16-QAM      | 1      | 0      | 0      | 0      | 19.76                           | 18.47 | 19.54 | -6.89              | -9.04              | 0.012   | 0.009 | 0.011 | 7.000     |
|             | 12     | 0      | 0      | 0      | 18.76                           | 18.18 | 18.05 | -6.89              | -9.04              | 0.009   | 0.008 | 0.008 | 7.000     |
|             | 25     | 0      | 0      | 0      | 18.82                           | 18.66 | 18.87 | -6.89              | -9.04              | 0.010   | 0.009 | 0.010 | 7.000     |
|             | 1      | 24     | 1      | 0      | 19.53                           | 19.77 | 19.84 | -6.89              | -9.04              | 0.011   | 0.012 | 0.012 | 7.000     |
|             | 25     | 0      | 15     | 0      | 17.51                           | 17.37 | 17.34 | -6.89              | -9.04              | 0.007   | 0.007 | 0.007 | 7.000     |
| 10MHz+5MHz  |        |        |        |        |                                 |       |       |                    |                    |         |       |       |           |
| QPSK        | 1      | 49     | 1      | 0      | 20.49                           | 20.4  | 19.88 | -6.89              | -9.04              | 0.014   | 0.014 | 0.012 | 7.000     |
|             | 50     | 0      | 25     | 0      | 18.13                           | 17.97 | 18.24 | -6.89              | -9.04              | 0.008   | 0.008 | 0.008 | 7.000     |
| 16-QAM      | 1      | 49     | 1      | 0      | 19.51                           | 19.84 | 19.99 | -6.89              | -9.04              | 0.011   | 0.012 | 0.012 | 7.000     |
|             | 50     | 0      | 25     | 0      | 17.2                            | 17.71 | 17.04 | -6.89              | -9.04              | 0.011   | 0.012 | 0.010 | 7.000     |
| 5MHz+10MHz  |        |        |        |        |                                 |       |       |                    |                    |         |       |       |           |
| QPSK        | 1      | 24     | 1      | 0      | 19.94                           | 20.58 | 20.07 | -6.89              | -9.04              | 0.012   | 0.014 | 0.013 | 7.000     |
|             | 25     | 0      | 50     | 0      | 18                              | 18.11 | 17.98 | -6.89              | -9.04              | 0.008   | 0.008 | 0.008 | 7.000     |
| 16-QAM      | 1      | 24     | 1      | 0      | 19.63                           | 19.67 | 19.27 | -6.89              | -9.04              | 0.011   | 0.012 | 0.011 | 7.000     |
|             | 25     | 0      | 50     | 0      | 17.6                            | 17.31 | 17.5  | -6.89              | -9.04              | 0.007   | 0.007 | 0.007 | 7.000     |
| 10MHz+10MHz |        |        |        |        |                                 |       |       |                    |                    |         |       |       |           |
| QPSK        | 1      | 0      | 0      | 0      | 20.2                            | 20.24 | 20.16 | -6.89              | -9.04              | 0.013   | 0.013 | 0.013 | 7.000     |
|             | 25     | 0      | 0      | 0      | 19.25                           | 19.29 | 19.28 | -6.89              | -9.04              | 0.010   | 0.011 | 0.011 | 7.000     |
|             | 50     | 0      | 0      | 0      | 19.38                           | 19.4  | 19.39 | -6.89              | -9.04              | 0.011   | 0.011 | 0.011 | 7.000     |
|             | 1      | 49     | 1      | 0      | 20.25                           | 20.24 | 20.2  | -6.89              | -9.04              | 0.013   | 0.013 | 0.013 | 7.000     |
|             | 50     | 0      | 50     | 0      | 18.24                           | 18.27 | 18.19 | -6.89              | -9.04              | 0.008   | 0.008 | 0.008 | 7.000     |
| 16-QAM      | 1      | 0      | 0      | 0      | 19.78                           | 18.94 | 19.72 | -6.89              | -9.04              | 0.012   | 0.010 | 0.012 | 7.000     |
|             | 25     | 0      | 0      | 0      | 18.29                           | 18.32 | 18.36 | -6.89              | -9.04              | 0.008   | 0.008 | 0.009 | 7.000     |
|             | 50     | 0      | 0      | 0      | 18.44                           | 18.47 | 18.46 | -6.89              | -9.04              | 0.009   | 0.009 | 0.009 | 7.000     |
|             | 1      | 49     | 1      | 0      | 19.67                           | 19.67 | 19.61 | -6.89              | -9.04              | 0.012   | 0.012 | 0.011 | 7.000     |

| Modulation | PCC RB |        | SCC RB |        | Conducted Output AV Power (dBm) |       |      | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (W) |       |       | Limit (W) |
|------------|--------|--------|--------|--------|---------------------------------|-------|------|--------------------|--------------------|---------|-------|-------|-----------|
|            | Size   | Offset | Size   | Offset | LCH                             | MCH   | HCH  |                    |                    | LCH     | MCH   | HCH   |           |
| CA_5B      |        |        |        |        |                                 |       |      |                    |                    |         |       |       |           |
|            | 50     | 0      | 50     | 0      | 17.3                            | 17.31 | 17.2 | -6.89              | -9.04              | 0.007   | 0.007 | 0.007 | 7.000     |

| Modulation  | PCC RB |        | SCC RB |        | Conducted Output AV<br>Power (dBm) |       |       | Antenna Gain (dBi) | EIRP (W) |       |       | Limit<br>(W) |
|-------------|--------|--------|--------|--------|------------------------------------|-------|-------|--------------------|----------|-------|-------|--------------|
|             | Size   | Offset | Size   | Offset | LCH                                | MCH   | HCH   |                    | LCH      | MCH   | HCH   |              |
| CA_7C       |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| 10MHz+20MHz |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 49     | 1      | 0      | 19.32                              | 19.26 | 18.65 | -0.88              | 0.070    | 0.069 | 0.060 | 2.000        |
|             | 50     | 0      | 100    | 0      | 16.48                              | 16.45 | 16.27 | -0.88              | 0.036    | 0.036 | 0.035 | 2.000        |
| 16-QAM      | 1      | 49     | 1      | 0      | 17.94                              | 17.62 | 17.88 | -0.88              | 0.051    | 0.047 | 0.050 | 2.000        |
|             | 50     | 0      | 100    | 0      | 15.54                              | 15.58 | 16.15 | -0.88              | 0.029    | 0.030 | 0.034 | 2.000        |
| 20MHz+10MHz |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 0      | 0      | 0      | 18.89                              | 18.76 | 18.04 | -0.88              | 0.063    | 0.061 | 0.052 | 2.000        |
|             | 50     | 0      | 0      | 0      | 18.04                              | 17.17 | 17.72 | -0.88              | 0.052    | 0.043 | 0.048 | 2.000        |
|             | 100    | 0      | 0      | 0      | 17.91                              | 17.66 | 18.09 | -0.88              | 0.050    | 0.048 | 0.053 | 2.000        |
|             | 1      | 99     | 1      | 0      | 19.17                              | 18.91 | 18.64 | -0.88              | 0.067    | 0.064 | 0.060 | 2.000        |
|             | 100    | 0      | 50     | 0      | 17.05                              | 16.27 | 16.88 | -0.88              | 0.041    | 0.035 | 0.040 | 2.000        |
| 16-QAM      | 1      | 0      | 0      | 0      | 17.49                              | 17.53 | 17.4  | -0.88              | 0.046    | 0.046 | 0.045 | 2.000        |
|             | 50     | 0      | 0      | 0      | 16.51                              | 16.28 | 16.14 | -0.88              | 0.037    | 0.035 | 0.034 | 2.000        |
|             | 100    | 0      | 0      | 0      | 16.37                              | 16.29 | 16.81 | -0.88              | 0.035    | 0.035 | 0.039 | 2.000        |
|             | 1      | 99     | 1      | 0      | 17.94                              | 17.57 | 17.96 | -0.88              | 0.051    | 0.047 | 0.051 | 2.000        |
|             | 100    | 0      | 50     | 0      | 15.67                              | 15.16 | 15.77 | -0.88              | 0.030    | 0.027 | 0.031 | 2.000        |
| 15MHz+15MHz |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 74     | 1      | 0      | 18.4                               | 18.71 | 18.85 | -0.88              | 0.056    | 0.061 | 0.063 | 2.000        |
|             | 75     | 0      | 75     | 0      | 16.99                              | 16.77 | 16.36 | -0.88              | 0.041    | 0.039 | 0.035 | 2.000        |
| 16-QAM      | 1      | 74     | 1      | 0      | 18.14                              | 17.13 | 17.4  | -0.88              | 0.053    | 0.042 | 0.045 | 2.000        |
|             | 75     | 0      | 75     | 0      | 15.48                              | 15.27 | 15.78 | -0.88              | 0.029    | 0.027 | 0.031 | 2.000        |
| 15MHz+20MHz |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 74     | 1      | 0      | 18.77                              | 18.71 | 19.14 | -0.88              | 0.062    | 0.061 | 0.067 | 2.000        |
|             | 75     | 0      | 100    | 0      | 16.45                              | 16.84 | 16.62 | -0.88              | 0.036    | 0.039 | 0.037 | 2.000        |
| 16-QAM      | 1      | 74     | 1      | 0      | 18.25                              | 17.25 | 17.69 | -0.88              | 0.055    | 0.043 | 0.048 | 2.000        |
|             | 75     | 0      | 100    | 0      | 15.45                              | 15.82 | 16.12 | -0.88              | 0.029    | 0.031 | 0.033 | 2.000        |
| 20MHz+15MHz |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 99     | 1      | 0      | 18.91                              | 18.5  | 19.37 | -0.88              | 0.064    | 0.058 | 0.071 | 2.000        |
|             | 100    | 0      | 75     | 0      | 16.77                              | 16.09 | 17.05 | -0.88              | 0.039    | 0.033 | 0.041 | 2.000        |
| 16-QAM      | 1      | 99     | 1      | 0      | 18.29                              | 18.06 | 18.14 | -0.88              | 0.055    | 0.052 | 0.053 | 2.000        |
|             | 100    | 0      | 75     | 0      | 15.22                              | 15.62 | 15.82 | -0.88              | 0.027    | 0.030 | 0.031 | 2.000        |
| 20MHz+20MHz |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 0      | 0      | 0      | 18.4                               | 18.28 | 18.26 | -0.88              | 0.056    | 0.055 | 0.055 | 2.000        |
|             | 50     | 0      | 0      | 0      | 17.57                              | 17.46 | 17.59 | -0.88              | 0.047    | 0.045 | 0.047 | 2.000        |
|             | 100    | 0      | 0      | 0      | 17.61                              | 17.62 | 17.84 | -0.88              | 0.047    | 0.047 | 0.050 | 2.000        |
|             | 1      | 99     | 1      | 0      | 18.85                              | 18.82 | 18.88 | -0.88              | 0.063    | 0.062 | 0.063 | 2.000        |
|             | 100    | 0      | 100    | 0      | 16.58                              | 16.54 | 16.74 | -0.88              | 0.037    | 0.037 | 0.039 | 2.000        |
| 16-QAM      | 1      | 0      | 0      | 0      | 17.68                              | 17.05 | 17.02 | -0.88              | 0.048    | 0.041 | 0.041 | 2.000        |

| Modulation | PCC RB |        | SCC RB |        | Conducted Output AV<br>Power (dBm) |       |       | Antenna Gain (dBi) | EIRP (W) |       |       | Limit<br>(W) |
|------------|--------|--------|--------|--------|------------------------------------|-------|-------|--------------------|----------|-------|-------|--------------|
|            | Size   | Offset | Size   | Offset | LCH                                | MCH   | HCH   |                    | LCH      | MCH   | HCH   |              |
| CA_7C      |        |        |        |        |                                    |       |       |                    |          |       |       |              |
|            | 50     | 0      | 0      | 0      | 16.52                              | 16.44 | 16.52 | -0.88              | 0.037    | 0.036 | 0.037 | 2.000        |
|            | 100    | 0      | 0      | 0      | 16.6                               | 16.6  | 16.84 | -0.88              | 0.037    | 0.037 | 0.039 | 2.000        |
|            | 1      | 99     | 1      | 0      | 17.85                              | 17.62 | 17.67 | -0.88              | 0.050    | 0.047 | 0.048 | 2.000        |
|            | 100    | 0      | 100    | 0      | 15.55                              | 15.55 | 15.71 | -0.88              | 0.029    | 0.029 | 0.030 | 2.000        |

| Modulation  | PCC RB |        | SCC RB |        | Conducted Output AV<br>Power (dBm) |       |       | Antenna Gain (dBi) | EIRP (W) |       |       | Limit<br>(W) |
|-------------|--------|--------|--------|--------|------------------------------------|-------|-------|--------------------|----------|-------|-------|--------------|
|             | Size   | Offset | Size   | Offset | LCH                                | MCH   | HCH   |                    | LCH      | MCH   | HCH   |              |
| CA_38C      |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| 15MHz+15MHz |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 0      | 0      | 0      | 21.12                              | 21.24 | 20.54 | -0.88              | 0.106    | 0.109 | 0.092 | 2.000        |
|             | 36     | 0      | 0      | 0      | 20.32                              | 20.29 | 19.61 | -0.88              | 0.088    | 0.087 | 0.075 | 2.000        |
|             | 75     | 0      | 0      | 0      | 19.97                              | 20.32 | 19.9  | -0.88              | 0.081    | 0.088 | 0.080 | 2.000        |
|             | 1      | 74     | 1      | 0      | 20.93                              | 21.07 | 21.66 | -0.88              | 0.101    | 0.104 | 0.120 | 2.000        |
|             | 75     | 0      | 75     | 0      | 18.91                              | 19.65 | 19.53 | -0.88              | 0.064    | 0.075 | 0.073 | 2.000        |
| 16-QAM      | 1      | 0      | 0      | 0      | 20.19                              | 19.51 | 19.4  | -0.88              | 0.085    | 0.073 | 0.071 | 2.000        |
|             | 36     | 0      | 0      | 0      | 19.04                              | 18.73 | 19.07 | -0.88              | 0.065    | 0.061 | 0.066 | 2.000        |
|             | 75     | 0      | 0      | 0      | 18.92                              | 19.57 | 18.87 | -0.88              | 0.064    | 0.074 | 0.063 | 2.000        |
|             | 1      | 74     | 1      | 0      | 19.74                              | 20.31 | 20.56 | -0.88              | 0.077    | 0.088 | 0.093 | 2.000        |
|             | 75     | 0      | 75     | 0      | 18.51                              | 18.61 | 17.99 | -0.88              | 0.058    | 0.059 | 0.051 | 2.000        |
| 20MHz+20MHz |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 0      | 0      | 0      | 20.8                               | 20.75 | 20.65 | -0.88              | 0.098    | 0.097 | 0.095 | 2.000        |
|             | 50     | 0      | 0      | 0      | 20.02                              | 20    | 19.94 | -0.88              | 0.082    | 0.082 | 0.081 | 2.000        |
|             | 100    | 0      | 0      | 0      | 20.22                              | 20.14 | 20.14 | -0.88              | 0.086    | 0.084 | 0.084 | 2.000        |
|             | 1      | 99     | 1      | 0      | 21.22                              | 21.3  | 21.4  | -0.88              | 0.108    | 0.110 | 0.113 | 2.000        |
|             | 100    | 0      | 100    | 0      | 19.13                              | 19.19 | 19.2  | -0.88              | 0.067    | 0.068 | 0.068 | 2.000        |
| 16-QAM      | 1      | 0      | 0      | 0      | 19.85                              | 19.57 | 19.7  | -0.88              | 0.079    | 0.074 | 0.076 | 2.000        |
|             | 50     | 0      | 0      | 0      | 19.01                              | 18.97 | 18.97 | -0.88              | 0.065    | 0.064 | 0.064 | 2.000        |
|             | 100    | 0      | 0      | 0      | 19.14                              | 19.11 | 19.1  | -0.88              | 0.067    | 0.067 | 0.066 | 2.000        |
|             | 1      | 99     | 1      | 0      | 20.11                              | 20.3  | 20.21 | -0.88              | 0.084    | 0.087 | 0.086 | 2.000        |
|             | 100    | 0      | 100    | 0      | 18.13                              | 18.16 | 18.23 | -0.88              | 0.053    | 0.053 | 0.054 | 2.000        |

| Modulation  | PCC RB |        | SCC RB |        | Conducted Output AV<br>Power (dBm) |       |       | Antenna Gain (dBi) | EIRP (W) |       |       | Limit<br>(W) |
|-------------|--------|--------|--------|--------|------------------------------------|-------|-------|--------------------|----------|-------|-------|--------------|
|             | Size   | Offset | Size   | Offset | LCH                                | MCH   | HCH   |                    | LCH      | MCH   | HCH   |              |
| CA 41C      |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| 5MHz+20MHz  |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 24     | 1      | 0      | 21.65                              | 20.88 | 21.24 | -0.88              | 0.119    | 0.100 | 0.109 | 2.000        |
|             | 25     | 0      | 100    | 0      | 19.56                              | 19.69 | 19.08 | -0.88              | 0.074    | 0.076 | 0.066 | 2.000        |
| 16-QAM      | 1      | 24     | 1      | 0      | 19.87                              | 20.24 | 20.12 | -0.88              | 0.079    | 0.086 | 0.084 | 2.000        |
|             | 25     | 0      | 100    | 0      | 18.13                              | 18.39 | 18.61 | -0.88              | 0.053    | 0.056 | 0.059 | 2.000        |
| 20MHz+5MHz  |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 0      | 0      | 0      | 21.31                              | 20.64 | 20.87 | -0.88              | 0.110    | 0.095 | 0.100 | 2.000        |
|             | 50     | 0      | 0      | 0      | 19.78                              | 19.63 | 20.34 | -0.88              | 0.078    | 0.075 | 0.088 | 2.000        |
|             | 100    | 0      | 0      | 0      | 19.83                              | 20.36 | 20.7  | -0.88              | 0.079    | 0.089 | 0.096 | 2.000        |
|             | 1      | 99     | 1      | 0      | 21.02                              | 21.5  | 21.84 | -0.88              | 0.103    | 0.115 | 0.125 | 2.000        |
|             | 100    | 0      | 25     | 0      | 18.88                              | 19    | 19.46 | -0.88              | 0.063    | 0.065 | 0.072 | 2.000        |
| 16-QAM      | 1      | 0      | 0      | 0      | 20.15                              | 19.22 | 20.18 | -0.88              | 0.085    | 0.068 | 0.085 | 2.000        |
|             | 50     | 0      | 0      | 0      | 18.98                              | 19.45 | 19.21 | -0.88              | 0.065    | 0.072 | 0.068 | 2.000        |
|             | 100    | 0      | 0      | 0      | 19.3                               | 19.67 | 19.46 | -0.88              | 0.070    | 0.076 | 0.072 | 2.000        |
|             | 1      | 99     | 1      | 0      | 19.95                              | 20.61 | 20.47 | -0.88              | 0.081    | 0.094 | 0.091 | 2.000        |
|             | 100    | 0      | 25     | 0      | 18.45                              | 18.13 | 18.34 | -0.88              | 0.057    | 0.053 | 0.056 | 2.000        |
| 10MHz+20MHz |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 49     | 1      | 0      | 21.64                              | 21.85 | 21.82 | -0.88              | 0.119    | 0.125 | 0.124 | 2.000        |
|             | 50     | 0      | 100    | 0      | 18.98                              | 19.65 | 19.41 | -0.88              | 0.065    | 0.075 | 0.071 | 2.000        |
| 16-QAM      | 1      | 49     | 1      | 0      | 20.59                              | 19.84 | 20.66 | -0.88              | 0.094    | 0.079 | 0.095 | 2.000        |
|             | 50     | 0      | 100    | 0      | 18.56                              | 17.75 | 17.93 | -0.88              | 0.059    | 0.049 | 0.051 | 2.000        |
| 20MHz+10MHz |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 99     | 1      | 0      | 21                                 | 21.81 | 21.12 | -0.88              | 0.103    | 0.124 | 0.106 | 2.000        |
|             | 100    | 0      | 50     | 0      | 19.03                              | 19.58 | 19.11 | -0.88              | 0.065    | 0.074 | 0.067 | 2.000        |
| 16-QAM      | 1      | 99     | 1      | 0      | 20.06                              | 19.8  | 20.46 | -0.88              | 0.083    | 0.078 | 0.091 | 2.000        |
|             | 100    | 0      | 50     | 0      | 18.28                              | 17.82 | 18.1  | -0.88              | 0.055    | 0.049 | 0.053 | 2.000        |
| 15MHz+15MHz |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 74     | 1      | 0      | 21.42                              | 21.25 | 21.58 | -0.88              | 0.113    | 0.109 | 0.117 | 2.000        |
|             | 75     | 0      | 75     | 0      | 19.14                              | 19.51 | 19.51 | -0.88              | 0.067    | 0.073 | 0.073 | 2.000        |
| 16-QAM      | 1      | 74     | 1      | 0      | 20.64                              | 20.05 | 20.84 | -0.88              | 0.095    | 0.083 | 0.099 | 2.000        |
|             | 75     | 0      | 75     | 0      | 18.03                              | 17.97 | 18.38 | -0.88              | 0.052    | 0.051 | 0.056 | 2.000        |
| 15MHz+20MHz |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 74     | 1      | 0      | 21.32                              | 21.39 | 21.19 | -0.88              | 0.111    | 0.112 | 0.107 | 2.000        |
|             | 75     | 0      | 100    | 0      | 18.96                              | 19.42 | 19.44 | -0.88              | 0.064    | 0.071 | 0.072 | 2.000        |
| 16-QAM      | 1      | 74     | 1      | 0      | 20.01                              | 19.87 | 20.97 | -0.88              | 0.082    | 0.079 | 0.102 | 2.000        |
|             | 75     | 0      | 100    | 0      | 17.67                              | 18.16 | 18.51 | -0.88              | 0.048    | 0.053 | 0.058 | 2.000        |
| 20MHz+15MHz |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 99     | 1      | 0      | 21.67                              | 21.6  | 21.82 | -0.88              | 0.120    | 0.118 | 0.124 | 2.000        |

| Modulation  | PCC RB |        | SCC RB |        | Conducted Output AV<br>Power (dBm) |       |       | Antenna Gain (dBi) | EIRP (W) |       |       | Limit<br>(W) |
|-------------|--------|--------|--------|--------|------------------------------------|-------|-------|--------------------|----------|-------|-------|--------------|
|             | Size   | Offset | Size   | Offset | LCH                                | MCH   | HCH   |                    | LCH      | MCH   | HCH   |              |
| CA_41C      |        |        |        |        |                                    |       |       |                    |          |       |       |              |
|             | 100    | 0      | 75     | 0      | 18.9                               | 19.29 | 19.67 | -0.88              | 0.063    | 0.069 | 0.076 | 2.000        |
| 16-QAM      | 1      | 99     | 1      | 0      | 20.24                              | 20.3  | 20.87 | -0.88              | 0.086    | 0.087 | 0.100 | 2.000        |
|             | 100    | 0      | 75     | 0      | 18.19                              | 17.87 | 17.89 | -0.88              | 0.054    | 0.050 | 0.050 | 2.000        |
| 20MHz+20MHz |        |        |        |        |                                    |       |       |                    |          |       |       |              |
| QPSK        | 1      | 0      | 0      | 0      | 20.82                              | 20.83 | 20.99 | -0.88              | 0.099    | 0.099 | 0.103 | 2.000        |
|             | 50     | 0      | 0      | 0      | 20.05                              | 20.06 | 20.19 | -0.88              | 0.083    | 0.083 | 0.085 | 2.000        |
|             | 100    | 0      | 0      | 0      | 20.18                              | 20.23 | 20.34 | -0.88              | 0.085    | 0.086 | 0.088 | 2.000        |
|             | 1      | 99     | 1      | 0      | 21.47                              | 21.37 | 21.6  | -0.88              | 0.115    | 0.112 | 0.118 | 2.000        |
|             | 100    | 0      | 100    | 0      | 19.17                              | 19.22 | 19.29 | -0.88              | 0.067    | 0.068 | 0.069 | 2.000        |
| 16-QAM      | 1      | 0      | 0      | 0      | 19.82                              | 19.61 | 19.78 | -0.88              | 0.078    | 0.075 | 0.078 | 2.000        |
|             | 50     | 0      | 0      | 0      | 19.03                              | 19.03 | 19.19 | -0.88              | 0.065    | 0.065 | 0.068 | 2.000        |
|             | 100    | 0      | 0      | 0      | 19.14                              | 19.22 | 19.32 | -0.88              | 0.067    | 0.068 | 0.070 | 2.000        |
|             | 1      | 99     | 1      | 0      | 20.31                              | 20.24 | 20.58 | -0.88              | 0.088    | 0.086 | 0.093 | 2.000        |
|             | 100    | 0      | 100    | 0      | 18.13                              | 18.21 | 18.26 | -0.88              | 0.053    | 0.054 | 0.055 | 2.000        |



## 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-SZ2461151-501 Data Part 1.pdf”.

### WCDMA Mode Test Data

| Test Band | Test Channel | Peak to Average Ratio (dB) | Limit (dB) | Verdict<br>Note2 |
|-----------|--------------|----------------------------|------------|------------------|
| Band 2    | LCH          | 3.19                       | 13         | Pass             |
|           | MCH          | 3.19                       | 13         | Pass             |
|           | HCH          | 3.14                       | 13         | Pass             |
| Band 4    | LCH          | 3.19                       | 13         | Pass             |
|           | MCH          | 3.19                       | 13         | Pass             |
|           | HCH          | 3.23                       | 13         | Pass             |
| Band 5    | LCH          | 3.05                       | 13         | Pass             |
|           | MCH          | 3.05                       | 13         | Pass             |
|           | HCH          | 3                          | 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                 | 5.72                       | 13         | Pass             |
|            |                |              |           | RB100#0               | 5.86                       | 13         | Pass             |
|            |                |              | 16-QAM    | RB1#0                 | 6.14                       | 13         | Pass             |
|            |                |              |           | RB100#0               | 6.61                       | 13         | Pass             |
|            |                | MCH          | QPSK      | RB1#0                 | 5.95                       | 13         | Pass             |
|            |                |              |           | RB100#0               | 5.81                       | 13         | Pass             |
|            |                |              | 16-QAM    | RB1#0                 | 6.56                       | 13         | Pass             |
|            |                |              |           | RB100#0               | 6.56                       | 13         | Pass             |
|            |                | HCH          | QPSK      | RB1#0                 | 6.19                       | 13         | Pass             |
|            |                |              |           | RB100#0               | 5.77                       | 13         | Pass             |
|            |                |              | 16-QAM    | RB1#0                 | 7.27                       | 13         | Pass             |
|            |                |              |           | RB100#0               | 6.47                       | 13         | Pass             |
| LTE Band 4 | 20 MHz         | LCH          | QPSK      | RB1#0                 | 5.34                       | 13         | Pass             |
|            |                |              |           | RB100#0               | 5.77                       | 13         | Pass             |
|            |                |              | 16-QAM    | RB1#0                 | 6.05                       | 13         | Pass             |
|            |                |              |           | RB100#0               | 6.52                       | 13         | Pass             |
|            |                | MCH          | QPSK      | RB1#0                 | 5.81                       | 13         | Pass             |
|            |                |              |           | RB100#0               | 5.77                       | 13         | Pass             |
|            |                |              | 16-QAM    | RB1#0                 | 6.52                       | 13         | Pass             |
|            |                |              |           | RB1#0                 | 6.52                       | 13         | Pass             |

| Test Band   | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Peak to Average Ratio (dB) | Limit (dB) | Verdict Note2 |
|-------------|----------------|--------------|-----------|-----------------------|----------------------------|------------|---------------|
|             |                | HCH          | QPSK      | RB100#0               | 6.56                       | 13         | Pass          |
|             |                |              |           | RB1#0                 | 5.81                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 5.72                       | 13         | Pass          |
|             |                |              | 16-QAM    | RB1#0                 | 6.89                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 6.47                       | 13         | Pass          |
| LTE Band 5  | 10 MHz         | LCH          | QPSK      | RB1#0                 | 5.58                       | 13         | Pass          |
|             |                |              |           | RB50#0                | 5.77                       | 13         | Pass          |
|             |                |              | 16-QAM    | RB1#0                 | 6.42                       | 13         | Pass          |
|             |                |              |           | RB50#0                | 6.47                       | 13         | Pass          |
|             |                | MCH          | QPSK      | RB1#0                 | 5.77                       | 13         | Pass          |
|             |                |              |           | RB50#0                | 5.91                       | 13         | Pass          |
|             |                |              | 16-QAM    | RB1#0                 | 6.7                        | 13         | Pass          |
|             |                |              |           | RB50#0                | 6.66                       | 13         | Pass          |
|             |                | HCH          | QPSK      | RB1#0                 | 5.77                       | 13         | Pass          |
|             |                |              |           | RB50#0                | 5.81                       | 13         | Pass          |
|             |                |              | 16-QAM    | RB1#0                 | 6.37                       | 13         | Pass          |
|             |                |              |           | RB50#0                | 6.61                       | 13         | Pass          |
| LTE Band 7  | 20 MHz         | LCH          | QPSK      | RB1#0                 | 5.53                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 5.58                       | 13         | Pass          |
|             |                |              | 16-QAM    | RB1#0                 | 5.91                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 6.33                       | 13         | Pass          |
|             |                | MCH          | QPSK      | RB1#0                 | 5.62                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 5.58                       | 13         | Pass          |
|             |                |              | 16-QAM    | RB1#0                 | 6.23                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 6.33                       | 13         | Pass          |
|             |                | HCH          | QPSK      | RB1#0                 | 5.91                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 5.53                       | 13         | Pass          |
|             |                |              | 16-QAM    | RB1#0                 | 6.98                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 6.28                       | 13         | Pass          |
| LTE Band 38 | 20 MHz         | LCH          | QPSK      | RB1#0                 | 8.81                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 9.19                       | 13         | Pass          |
|             |                |              | 16-QAM    | RB1#0                 | 9.47                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 9.89                       | 13         | Pass          |
|             |                | MCH          | QPSK      | RB1#0                 | 9.14                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 9.23                       | 13         | Pass          |
|             |                |              | 16-QAM    | RB1#0                 | 9.75                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 9.89                       | 13         | Pass          |
|             |                | HCH          | QPSK      | RB1#0                 | 9.23                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 9.33                       | 13         | Pass          |

| Test Band   | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Peak to Average Ratio (dB) | Limit (dB) | Verdict Note2 |
|-------------|----------------|--------------|-----------|-----------------------|----------------------------|------------|---------------|
| LTE Band 41 | 20 MHz         |              | 16-QAM    | RB1#0                 | 9.75                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 9.94                       | 13         | Pass          |
|             |                | LCH          | QPSK      | RB1#0                 | 8.81                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 9.19                       | 13         | Pass          |
|             |                |              | 16-QAM    | RB1#0                 | 9.52                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 9.94                       | 13         | Pass          |
|             |                | MCH          | QPSK      | RB1#0                 | 9.19                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 9.23                       | 13         | Pass          |
|             |                |              | 16-QAM    | RB1#0                 | 9.8                        | 13         | Pass          |
|             |                |              |           | RB100#0               | 9.89                       | 13         | Pass          |
|             |                | HCH          | QPSK      | RB1#0                 | 9.19                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 9.28                       | 13         | Pass          |
|             |                |              | 16-QAM    | RB1#0                 | 9.84                       | 13         | Pass          |
|             |                |              |           | RB100#0               | 9.98                       | 13         | Pass          |

| Test Channel | Modulation | PCC RB |        | SCC RB |        | Peak to Average Ratio (dB) | Limit (dB) | Verdict <sup>Note2</sup> |
|--------------|------------|--------|--------|--------|--------|----------------------------|------------|--------------------------|
|              |            | Size   | Offset | Size   | Offset |                            |            |                          |
| CA_2C        |            |        |        |        |        |                            |            |                          |
| 5MHz+20MHz   |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 25     | 0      | 100    | 0      | 6.61                       | 13         | Pass                     |
|              | 16-QAM     | 25     | 0      | 100    | 0      | 7.17                       | 13         | Pass                     |
| 20MHz+5MHz   |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 100    | 0      | 25     | 0      | 6.61                       | 13         | Pass                     |
|              | 16-QAM     | 100    | 0      | 25     | 0      | 7.17                       | 13         | Pass                     |
| 10MHz+20MHz  |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 50     | 0      | 100    | 0      | 6.56                       | 13         | Pass                     |
|              | 16-QAM     | 50     | 0      | 100    | 0      | 7.17                       | 13         | Pass                     |
| 20MHz+10MHz  |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 100    | 0      | 50     | 0      | 6.61                       | 13         | Pass                     |
|              | 16-QAM     | 100    | 0      | 50     | 0      | 7.17                       | 13         | Pass                     |
| 10MHz+15MHz  |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 50     | 0      | 75     | 0      | 6.98                       | 13         | Pass                     |
|              | 16-QAM     | 50     | 0      | 75     | 0      | 7.31                       | 13         | Pass                     |
| 15MHz+10MHz  |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 75     | 0      | 50     | 0      | 6.75                       | 13         | Pass                     |
|              | 16-QAM     | 75     | 0      | 50     | 0      | 7.22                       | 13         | Pass                     |
| 15MHz+15MHz  |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 75     | 0      | 75     | 0      | 6.66                       | 13         | Pass                     |
|              | 16-QAM     | 75     | 0      | 75     | 0      | 7.22                       | 13         | Pass                     |
| 15MHz+20MHz  |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 75     | 0      | 100    | 0      | 6.47                       | 13         | Pass                     |
|              | 16-QAM     | 75     | 0      | 100    | 0      | 7.27                       | 13         | Pass                     |
| 20MHz+15MHz  |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 100    | 0      | 75     | 0      | 6.7                        | 13         | Pass                     |
|              | 16-QAM     | 100    | 0      | 75     | 0      | 7.27                       | 13         | Pass                     |
| 20MHz+20MHz  |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 100    | 0      | 100    | 0      | 6.84                       | 13         | Pass                     |
|              | 16-QAM     | 100    | 0      | 100    | 0      | 7.31                       | 13         | Pass                     |

| Test Channel | Modulation | PCC RB |        | SCC RB |        | Peak to Average Ratio (dB) | Limit (dB) | Verdict <sup>Note2</sup> |
|--------------|------------|--------|--------|--------|--------|----------------------------|------------|--------------------------|
|              |            | Size   | Offset | Size   | Offset |                            |            |                          |
| CA_5B        |            |        |        |        |        |                            |            |                          |
| 5MHz+10MHz   |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 25     | 0      | 50     | 0      | 6.75                       | 13         | Pass                     |
|              | 16-QAM     | 25     | 0      | 50     | 0      | 7.22                       | 13         | Pass                     |
| 10MHz+5MHz   |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 50     | 0      | 25     | 0      | 6.7                        | 13         | Pass                     |
|              | 16-QAM     | 50     | 0      | 25     | 0      | 7.27                       | 13         | Pass                     |
| 10MHz+10MHz  |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 50     | 0      | 50     | 0      | 6.84                       | 13         | Pass                     |
|              | 16-QAM     | 50     | 0      | 50     | 0      | 7.31                       | 13         | Pass                     |

| Test Channel | Modulation | PCC RB |        | SCC RB |        | Peak to Average Ratio (dB) | Limit (dB) | Verdict <sup>Note2</sup> |
|--------------|------------|--------|--------|--------|--------|----------------------------|------------|--------------------------|
|              |            | Size   | Offset | Size   | Offset |                            |            |                          |
| CA_7C        |            |        |        |        |        |                            |            |                          |
| 10MHz+20MHz  |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 50     | 0      | 100    | 0      | 6.42                       | 13         | Pass                     |
|              | 16-QAM     | 50     | 0      | 100    | 0      | 7.03                       | 13         | Pass                     |
| 20MHz+10MHz  |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 100    | 0      | 50     | 0      | 6.42                       | 13         | Pass                     |
|              | 16-QAM     | 100    | 0      | 50     | 0      | 7.03                       | 13         | Pass                     |
| 15MHz+15MHz  |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 75     | 0      | 75     | 0      | 6.75                       | 13         | Pass                     |
|              | 16-QAM     | 75     | 0      | 75     | 0      | 7.12                       | 13         | Pass                     |
| 15MHz+20MHz  |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 75     | 0      | 100    | 0      | 6.47                       | 13         | Pass                     |
|              | 16-QAM     | 75     | 0      | 100    | 0      | 7.03                       | 13         | Pass                     |
| 20MHz+15MHz  |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 100    | 0      | 75     | 0      | 6.42                       | 13         | Pass                     |
|              | 16-QAM     | 100    | 0      | 75     | 0      | 7.03                       | 13         | Pass                     |
| 20MHz+20MHz  |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 100    | 0      | 100    | 0      | 6.61                       | 13         | Pass                     |
|              | 16-QAM     | 100    | 0      | 100    | 0      | 7.12                       | 13         | Pass                     |

| Test Channel | Modulation | PCC RB |        | SCC RB |        | Peak to Average Ratio (dB) | Limit (dB) | Verdict <sup>Note2</sup> |
|--------------|------------|--------|--------|--------|--------|----------------------------|------------|--------------------------|
|              |            | Size   | Offset | Size   | Offset |                            |            |                          |
| CA_38C       |            |        |        |        |        |                            |            |                          |
| 15MHz+15MHz  |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 75     | 0      | 75     | 0      | 10.41                      | 13         | Pass                     |
|              | 16-QAM     | 75     | 0      | 75     | 0      | 10.78                      | 13         | Pass                     |
| 20MHz+20MHz  |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 100    | 0      | 100    | 0      | 10.31                      | 13         | Pass                     |
|              | 16-QAM     | 100    | 0      | 100    | 0      | 10.73                      | 13         | Pass                     |

| Test Channel | Modulation | PCC RB |        | SCC RB |        | Peak to Average Ratio (dB) | Limit (dB) | Verdict <sup>Note2</sup> |
|--------------|------------|--------|--------|--------|--------|----------------------------|------------|--------------------------|
|              |            | Size   | Offset | Size   | Offset |                            |            |                          |
| CA_41C       |            |        |        |        |        |                            |            |                          |
| 5MHz+20MHz   |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 25     | 0      | 100    | 0      | 10.08                      | 13         | Pass                     |
|              | 16-QAM     | 25     | 0      | 100    | 0      | 10.64                      | 13         | Pass                     |
| 20MHz+5MHz   |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 100    | 0      | 25     | 0      | 10.17                      | 13         | Pass                     |
|              | 16-QAM     | 100    | 0      | 25     | 0      | 10.73                      | 13         | Pass                     |
| 10MHz+20MHz  |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 50     | 0      | 100    | 0      | 10.12                      | 13         | Pass                     |
|              | 16-QAM     | 50     | 0      | 100    | 0      | 10.64                      | 13         | Pass                     |
| 20MHz+10MHz  |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 100    | 0      | 50     | 0      | 10.17                      | 13         | Pass                     |
|              | 16-QAM     | 100    | 0      | 50     | 0      | 10.69                      | 13         | Pass                     |
| 15MHz+15MHz  |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 75     | 0      | 75     | 0      | 10.45                      | 13         | Pass                     |
|              | 16-QAM     | 75     | 0      | 75     | 0      | 10.78                      | 13         | Pass                     |
| 15MHz+20MHz  |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 75     | 0      | 100    | 0      | 10.22                      | 13         | Pass                     |
|              | 16-QAM     | 75     | 0      | 100    | 0      | 10.83                      | 13         | Pass                     |
| 20MHz+15MHz  |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 100    | 0      | 75     | 0      | 10.12                      | 13         | Pass                     |
|              | 16-QAM     | 100    | 0      | 75     | 0      | 10.83                      | 13         | Pass                     |
| 20MHz+20MHz  |            |        |        |        |        |                            |            |                          |
| Mid          | QPSK       | 100    | 0      | 100    | 0      | 10.31                      | 13         | Pass                     |
|              | 16-QAM     | 100    | 0      | 100    | 0      | 10.64                      | 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-SZ2461151-501 Data Part 2.pdf”.

#### GSM and WCDMA Mode Test Data

| Test Band       | Test Channel | Measured 99%<br>Occupied Bandwidth<br>(MHz) | Measured -26 dB<br>Occupied Bandwidth<br>(MHz) |
|-----------------|--------------|---------------------------------------------|------------------------------------------------|
| GSM 850         | LCH          | 0.247                                       | 0.315                                          |
|                 | MCH          | 0.244                                       | 0.311                                          |
|                 | HCH          | 0.245                                       | 0.312                                          |
| GSM 1900        | LCH          | 0.246                                       | 0.309                                          |
|                 | MCH          | 0.245                                       | 0.308                                          |
|                 | HCH          | 0.244                                       | 0.313                                          |
| EGPRS 850       | LCH          | 0.257                                       | 0.326                                          |
|                 | MCH          | 0.252                                       | 0.318                                          |
|                 | HCH          | 0.255                                       | 0.314                                          |
| EGPRS 1900      | LCH          | 0.264                                       | 0.33                                           |
|                 | MCH          | 0.259                                       | 0.335                                          |
|                 | HCH          | 0.258                                       | 0.333                                          |
| WCDMA Band<br>2 | LCH          | 4.139                                       | 4.704                                          |
|                 | MCH          | 4.148                                       | 4.7                                            |
|                 | HCH          | 4.15                                        | 4.703                                          |
| WCDMA Band<br>4 | LCH          | 4.144                                       | 4.708                                          |
|                 | MCH          | 4.146                                       | 4.706                                          |
|                 | HCH          | 4.147                                       | 4.715                                          |
| WCDMA Band<br>5 | LCH          | 4.141                                       | 4.707                                          |
|                 | MCH          | 4.145                                       | 4.705                                          |
|                 | HCH          | 4.145                                       | 4.708                                          |

## LTE Mode Test Data

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|
| Band 2    | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.092                                 | 1.283                                    |
|           |                |              | 16-QAM    | RB6#0                 | 1.098                                 | 1.291                                    |
|           |                | MCH          | QPSK      | RB6#0                 | 1.096                                 | 1.289                                    |
|           |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.261                                    |
|           |                | HCH          | QPSK      | RB6#0                 | 1.098                                 | 1.274                                    |
|           |                |              | 16-QAM    | RB6#0                 | 1.094                                 | 1.27                                     |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.699                                 | 2.982                                    |
|           |                |              | 16-QAM    | RB15#0                | 2.702                                 | 3.013                                    |
|           |                | MCH          | QPSK      | RB15#0                | 2.701                                 | 3.002                                    |
|           |                |              | 16-QAM    | RB15#0                | 2.694                                 | 2.996                                    |
|           |                | HCH          | QPSK      | RB15#0                | 2.698                                 | 2.986                                    |
|           |                |              | 16-QAM    | RB15#0                | 2.689                                 | 2.995                                    |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.502                                 | 4.924                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.488                                 | 4.933                                    |
|           |                | MCH          | QPSK      | RB25#0                | 4.5                                   | 4.934                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.509                                 | 4.925                                    |
|           |                | HCH          | QPSK      | RB25#0                | 4.491                                 | 4.915                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.513                                 | 4.955                                    |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.972                                 | 9.833                                    |
|           |                |              | 16-QAM    | RB50#0                | 8.971                                 | 9.741                                    |
|           |                | MCH          | QPSK      | RB50#0                | 8.95                                  | 9.732                                    |
|           |                |              | 16-QAM    | RB50#0                | 8.976                                 | 9.802                                    |
|           |                | HCH          | QPSK      | RB50#0                | 8.955                                 | 9.767                                    |
|           |                |              | 16-QAM    | RB50#0                | 8.959                                 | 9.798                                    |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.472                                | 14.683                                   |
|           |                |              | 16-QAM    | RB75#0                | 13.486                                | 14.624                                   |
|           |                | MCH          | QPSK      | RB75#0                | 13.429                                | 14.685                                   |
|           |                |              | 16-QAM    | RB75#0                | 13.444                                | 14.604                                   |
|           |                | HCH          | QPSK      | RB75#0                | 13.418                                | 14.84                                    |
|           |                |              | 16-QAM    | RB75#0                | 13.424                                | 14.631                                   |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.939                                | 19.342                                   |
|           |                |              | 16-QAM    | RB100#0               | 17.96                                 | 19.473                                   |
|           |                | MCH          | QPSK      | RB100#0               | 17.899                                | 19.348                                   |
|           |                |              | 16-QAM    | RB100#0               | 17.932                                | 19.935                                   |
|           |                | HCH          | QPSK      | RB100#0               | 17.88                                 | 19.518                                   |
|           |                |              | 16-QAM    | RB100#0               | 17.878                                | 19.339                                   |
|           | 1.4 MHz        | LCH          | 64-QAM    | RB6#0                 | 1.09                                  | 1.26                                     |
|           |                | MCH          | 64-QAM    | RB6#0                 | 1.1                                   | 1.29                                     |



| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|
|           | 3 MHz          | HCH          | 64-QAM    | RB6#0                 | 1.09                                  | 1.27                                     |
|           |                | LCH          | 64-QAM    | RB15#0                | 2.7                                   | 2.98                                     |
|           |                | MCH          | 64-QAM    | RB15#0                | 2.68                                  | 2.97                                     |
|           |                | HCH          | 64-QAM    | RB15#0                | 2.69                                  | 2.97                                     |
|           | 5 MHz          | LCH          | 64-QAM    | RB25#0                | 4.49                                  | 4.9                                      |
|           |                | MCH          | 64-QAM    | RB25#0                | 4.5                                   | 4.9                                      |
|           |                | HCH          | 64-QAM    | RB25#0                | 4.5                                   | 4.9                                      |
|           | 10 MHz         | LCH          | 64-QAM    | RB50#0                | 8.96                                  | 9.76                                     |
|           |                | MCH          | 64-QAM    | RB50#0                | 8.94                                  | 9.71                                     |
|           |                | HCH          | 64-QAM    | RB50#0                | 8.95                                  | 9.69                                     |
|           | 15 MHz         | LCH          | 64-QAM    | RB75#0                | 13.42                                 | 14.59                                    |
|           |                | MCH          | 64-QAM    | RB75#0                | 13.41                                 | 14.63                                    |
|           |                | HCH          | 64-QAM    | RB75#0                | 13.44                                 | 14.54                                    |
|           | 20 MHz         | LCH          | 64-QAM    | RB100#0               | 17.91                                 | 19.43                                    |
|           |                | MCH          | 64-QAM    | RB100#0               | 17.88                                 | 19.39                                    |
|           |                | HCH          | 64-QAM    | RB100#0               | 17.83                                 | 19.34                                    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|
| Band 4    | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.094                                 | 1.311                                    |
|           |                |              | 16-QAM    | RB6#0                 | 1.099                                 | 1.297                                    |
|           |                | MCH          | QPSK      | RB6#0                 | 1.092                                 | 1.286                                    |
|           |                |              | 16-QAM    | RB6#0                 | 1.091                                 | 1.266                                    |
|           |                | HCH          | QPSK      | RB6#0                 | 1.101                                 | 1.314                                    |
|           |                |              | 16-QAM    | RB6#0                 | 1.094                                 | 1.292                                    |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.691                                 | 2.981                                    |
|           |                |              | 16-QAM    | RB15#0                | 2.706                                 | 3.013                                    |
|           |                | MCH          | QPSK      | RB15#0                | 2.695                                 | 3                                        |
|           |                |              | 16-QAM    | RB15#0                | 2.69                                  | 3.002                                    |
|           |                | HCH          | QPSK      | RB15#0                | 2.701                                 | 3.002                                    |
|           |                |              | 16-QAM    | RB15#0                | 2.694                                 | 2.999                                    |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.512                                 | 4.931                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.494                                 | 4.941                                    |
|           |                | MCH          | QPSK      | RB25#0                | 4.497                                 | 4.932                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.508                                 | 4.935                                    |
|           |                | HCH          | QPSK      | RB25#0                | 4.494                                 | 4.932                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.522                                 | 4.974                                    |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.971                                 | 9.849                                    |
|           |                |              | 16-QAM    | RB50#0                | 8.978                                 | 9.765                                    |
|           |                | MCH          | QPSK      | RB50#0                | 8.945                                 | 9.782                                    |
|           |                |              | 16-QAM    | RB50#0                | 8.975                                 | 9.797                                    |
|           |                | HCH          | QPSK      | RB50#0                | 8.968                                 | 9.76                                     |
|           |                |              | 16-QAM    | RB50#0                | 8.963                                 | 9.803                                    |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.456                                | 14.716                                   |
|           |                |              | 16-QAM    | RB75#0                | 13.485                                | 14.626                                   |
|           |                | MCH          | QPSK      | RB75#0                | 13.435                                | 14.721                                   |
|           |                |              | 16-QAM    | RB75#0                | 13.449                                | 14.634                                   |
|           |                | HCH          | QPSK      | RB75#0                | 13.478                                | 15.834                                   |
|           |                |              | 16-QAM    | RB75#0                | 13.488                                | 14.716                                   |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.944                                | 19.392                                   |
|           |                |              | 16-QAM    | RB100#0               | 17.954                                | 19.472                                   |
|           |                | MCH          | QPSK      | RB100#0               | 17.949                                | 19.408                                   |
|           |                |              | 16-QAM    | RB100#0               | 17.955                                | 19.553                                   |
|           |                | HCH          | QPSK      | RB100#0               | 17.939                                | 19.55                                    |
|           |                |              | 16-QAM    | RB100#0               | 17.922                                | 19.432                                   |
|           | 1.4 MHz        | LCH          | 64-QAM    | RB6#0                 | 1.09                                  | 1.28                                     |
|           |                | MCH          | 64-QAM    | RB6#0                 | 1.1                                   | 1.27                                     |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|
|           | 3 MHz          | HCH          | 64-QAM    | RB6#0                 | 1.09                                  | 1.25                                     |
|           |                | LCH          | 64-QAM    | RB15#0                | 2.69                                  | 2.99                                     |
|           |                | MCH          | 64-QAM    | RB15#0                | 2.69                                  | 2.96                                     |
|           |                | HCH          | 64-QAM    | RB15#0                | 2.69                                  | 2.97                                     |
|           | 5 MHz          | LCH          | 64-QAM    | RB25#0                | 4.49                                  | 4.9                                      |
|           |                | MCH          | 64-QAM    | RB25#0                | 4.5                                   | 4.9                                      |
|           |                | HCH          | 64-QAM    | RB25#0                | 4.5                                   | 4.9                                      |
|           | 10 MHz         | LCH          | 64-QAM    | RB50#0                | 8.96                                  | 9.73                                     |
|           |                | MCH          | 64-QAM    | RB50#0                | 8.95                                  | 9.72                                     |
|           |                | HCH          | 64-QAM    | RB50#0                | 8.96                                  | 9.69                                     |
|           | 15 MHz         | LCH          | 64-QAM    | RB75#0                | 13.42                                 | 14.57                                    |
|           |                | MCH          | 64-QAM    | RB75#0                | 13.45                                 | 14.63                                    |
|           |                | HCH          | 64-QAM    | RB75#0                | 13.46                                 | 14.53                                    |
|           | 20 MHz         | LCH          | 64-QAM    | RB100#0               | 17.89                                 | 19.35                                    |
|           |                | MCH          | 64-QAM    | RB100#0               | 17.96                                 | 19.28                                    |
|           |                | HCH          | 64-QAM    | RB100#0               | 17.89                                 | 19.26                                    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|
| Band 5    | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.084                                 | 1.279                                    |
|           |                |              | 16-QAM    | RB6#0                 | 1.093                                 | 1.282                                    |
|           |                | MCH          | QPSK      | RB6#0                 | 1.09                                  | 1.28                                     |
|           |                |              | 16-QAM    | RB6#0                 | 1.086                                 | 1.255                                    |
|           |                | HCH          | QPSK      | RB6#0                 | 1.091                                 | 1.271                                    |
|           |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.269                                    |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.69                                  | 2.968                                    |
|           |                |              | 16-QAM    | RB15#0                | 2.685                                 | 2.981                                    |
|           |                | MCH          | QPSK      | RB15#0                | 2.69                                  | 2.978                                    |
|           |                |              | 16-QAM    | RB15#0                | 2.688                                 | 2.987                                    |
|           |                | HCH          | QPSK      | RB15#0                | 2.691                                 | 2.975                                    |
|           |                |              | 16-QAM    | RB15#0                | 2.683                                 | 2.985                                    |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.497                                 | 4.908                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.489                                 | 4.885                                    |
|           |                | MCH          | QPSK      | RB25#0                | 4.493                                 | 4.905                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.493                                 | 4.9                                      |
|           |                | HCH          | QPSK      | RB25#0                | 4.495                                 | 4.891                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.497                                 | 4.91                                     |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.946                                 | 9.726                                    |
|           |                |              | 16-QAM    | RB50#0                | 8.946                                 | 9.711                                    |
|           |                | MCH          | QPSK      | RB50#0                | 8.942                                 | 9.7                                      |
|           |                |              | 16-QAM    | RB50#0                | 8.959                                 | 9.708                                    |
|           |                | HCH          | QPSK      | RB50#0                | 8.955                                 | 9.78                                     |
|           |                |              | 16-QAM    | RB50#0                | 8.945                                 | 9.781                                    |
|           | 1.4 MHz        | LCH          | 64-QAM    | RB6#0                 | 1.09                                  | 1.27                                     |
|           |                | MCH          | 64-QAM    | RB6#0                 | 1.1                                   | 1.28                                     |
|           |                | HCH          | 64-QAM    | RB6#0                 | 1.09                                  | 1.25                                     |
|           | 3 MHz          | LCH          | 64-QAM    | RB15#0                | 2.69                                  | 2.99                                     |
|           |                | MCH          | 64-QAM    | RB15#0                | 2.69                                  | 2.97                                     |
|           |                | HCH          | 64-QAM    | RB15#0                | 2.69                                  | 2.97                                     |
|           | 5 MHz          | LCH          | 64-QAM    | RB25#0                | 4.49                                  | 4.9                                      |
|           |                | MCH          | 64-QAM    | RB25#0                | 4.5                                   | 5                                        |
|           |                | HCH          | 64-QAM    | RB25#0                | 4.49                                  | 4.91                                     |
|           | 10 MHz         | LCH          | 64-QAM    | RB50#0                | 8.95                                  | 9.73                                     |
|           |                | MCH          | 64-QAM    | RB50#0                | 8.94                                  | 9.74                                     |
|           |                | HCH          | 64-QAM    | RB50#0                | 8.96                                  | 9.7                                      |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|
| Band 7    | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.497                                 | 4.904                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.492                                 | 4.935                                    |
|           |                | MCH          | QPSK      | RB25#0                | 4.493                                 | 4.898                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.498                                 | 4.906                                    |
|           |                | HCH          | QPSK      | RB25#0                | 4.489                                 | 4.907                                    |
|           |                |              | 16-QAM    | RB25#0                | 4.497                                 | 4.92                                     |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.967                                 | 9.822                                    |
|           |                |              | 16-QAM    | RB50#0                | 8.971                                 | 9.699                                    |
|           |                | MCH          | QPSK      | RB50#0                | 8.954                                 | 9.718                                    |
|           |                |              | 16-QAM    | RB50#0                | 8.964                                 | 9.729                                    |
|           |                | HCH          | QPSK      | RB50#0                | 8.971                                 | 9.771                                    |
|           |                |              | 16-QAM    | RB50#0                | 8.963                                 | 9.757                                    |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.443                                | 14.615                                   |
|           |                |              | 16-QAM    | RB75#0                | 13.461                                | 14.536                                   |
|           |                | MCH          | QPSK      | RB75#0                | 13.403                                | 14.625                                   |
|           |                |              | 16-QAM    | RB75#0                | 13.442                                | 14.558                                   |
|           |                | HCH          | QPSK      | RB75#0                | 13.438                                | 14.6                                     |
|           |                |              | 16-QAM    | RB75#0                | 13.465                                | 14.598                                   |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.905                                | 19.238                                   |
|           |                |              | 16-QAM    | RB100#0               | 17.929                                | 19.383                                   |
|           |                | MCH          | QPSK      | RB100#0               | 17.876                                | 19.306                                   |
|           |                |              | 16-QAM    | RB100#0               | 17.892                                | 19.459                                   |
|           |                | HCH          | QPSK      | RB100#0               | 17.923                                | 19.93                                    |
|           |                |              | 16-QAM    | RB100#0               | 17.903                                | 19.378                                   |
|           | 5 MHz          | LCH          | 64-QAM    | RB25#0                | 4.5                                   | 4.9                                      |
|           |                | MCH          | 64-QAM    | RB25#0                | 4.49                                  | 4.9                                      |
|           |                | HCH          | 64-QAM    | RB25#0                | 4.49                                  | 4.91                                     |
|           | 10 MHz         | LCH          | 64-QAM    | RB50#0                | 8.97                                  | 9.75                                     |
|           |                | MCH          | 64-QAM    | RB50#0                | 8.95                                  | 9.73                                     |
|           |                | HCH          | 64-QAM    | RB50#0                | 8.97                                  | 9.73                                     |
|           | 15 MHz         | LCH          | 64-QAM    | RB75#0                | 13.41                                 | 14.59                                    |
|           |                | MCH          | 64-QAM    | RB75#0                | 13.41                                 | 14.64                                    |
|           |                | HCH          | 64-QAM    | RB75#0                | 13.47                                 | 14.66                                    |
|           | 20 MHz         | LCH          | 64-QAM    | RB100#0               | 17.87                                 | 19.41                                    |
|           |                | MCH          | 64-QAM    | RB100#0               | 17.91                                 | 19.3                                     |
|           |                | HCH          | 64-QAM    | RB100#0               | 17.89                                 | 19.26                                    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset ) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|-----------|----------------|--------------|-----------|------------------------|---------------------------------------|------------------------------------------|
| Band 38   | 5 MHz          | LCH          | QPSK      | RB25#0                 | (MHz)                                 | (MHz)                                    |
|           |                |              | 16-QAM    | RB25#0                 | 4.504                                 | 4.934                                    |
|           |                | MCH          | QPSK      | RB25#0                 | 4.506                                 | 5.014                                    |
|           |                |              | 16-QAM    | RB25#0                 | 4.509                                 | 5.1                                      |
|           |                | HCH          | QPSK      | RB25#0                 | 4.497                                 | 5.01                                     |
|           |                |              | 16-QAM    | RB25#0                 | 4.499                                 | 5.306                                    |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                 | 4.502                                 | 4.938                                    |
|           |                |              | 16-QAM    | RB50#0                 | 8.978                                 | 9.821                                    |
|           |                | MCH          | QPSK      | RB50#0                 | 8.986                                 | 9.817                                    |
|           |                |              | 16-QAM    | RB50#0                 | 8.977                                 | 9.856                                    |
|           |                | HCH          | QPSK      | RB50#0                 | 8.953                                 | 9.773                                    |
|           |                |              | 16-QAM    | RB50#0                 | 9                                     | 9.831                                    |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                 | 8.984                                 | 10.394                                   |
|           |                |              | 16-QAM    | RB75#0                 | 13.498                                | 15.051                                   |
|           |                | MCH          | QPSK      | RB75#0                 | 13.485                                | 15.068                                   |
|           |                |              | 16-QAM    | RB75#0                 | 13.453                                | 15.054                                   |
|           |                | HCH          | QPSK      | RB75#0                 | 13.521                                | 15.203                                   |
|           |                |              | 16-QAM    | RB75#0                 | 13.444                                | 15.153                                   |
|           | 20 MHz         | LCH          | QPSK      | RB100#0                | 13.516                                | 15.511                                   |
|           |                |              | 16-QAM    | RB100#0                | 17.978                                | 19.538                                   |
|           |                | MCH          | QPSK      | RB100#0                | 17.921                                | 19.669                                   |
|           |                |              | 16-QAM    | RB100#0                | 17.91                                 | 19.52                                    |
|           |                | HCH          | QPSK      | RB100#0                | 17.938                                | 20.585                                   |
|           |                |              | 16-QAM    | RB100#0                | 17.952                                | 19.802                                   |
|           | 5 MHz          | LCH          | 64-QAM    | RB25#0                 | 17.916                                | 19.933                                   |
|           |                | MCH          | 64-QAM    | RB25#0                 | 4.51                                  | 5.03                                     |
|           |                | HCH          | 64-QAM    | RB25#0                 | 4.51                                  | 5.09                                     |
|           | 10 MHz         | LCH          | 64-QAM    | RB50#0                 | 4.49                                  | 4.97                                     |
|           |                | MCH          | 64-QAM    | RB50#0                 | 8.96                                  | 9.89                                     |
|           |                | HCH          | 64-QAM    | RB50#0                 | 8.96                                  | 9.74                                     |
|           | 15 MHz         | LCH          | 64-QAM    | RB75#0                 | 8.99                                  | 10.07                                    |
|           |                | MCH          | 64-QAM    | RB75#0                 | 13.44                                 | 14.93                                    |
|           |                | HCH          | 64-QAM    | RB75#0                 | 13.49                                 | 14.85                                    |
|           | 20 MHz         | LCH          | 64-QAM    | RB100#0                | 13.48                                 | 14.92                                    |
|           |                | MCH          | 64-QAM    | RB100#0                | 17.85                                 | 19.68                                    |
|           |                | HCH          | 64-QAM    | RB100#0                | 17.93                                 | 19.65                                    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset ) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|-----------|----------------|--------------|-----------|------------------------|---------------------------------------|------------------------------------------|
| Band 41   | 5 MHz          | LCH          | QPSK      | RB25#0                 | 4.497                                 | 4.926                                    |
|           |                |              | 16-QAM    | RB25#0                 | 4.505                                 | 4.983                                    |
|           |                | MCH          | QPSK      | RB25#0                 | 4.505                                 | 4.957                                    |
|           |                |              | 16-QAM    | RB25#0                 | 4.493                                 | 4.998                                    |
|           |                | HCH          | QPSK      | RB25#0                 | 4.496                                 | 5.092                                    |
|           |                |              | 16-QAM    | RB25#0                 | 4.504                                 | 4.936                                    |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                 | 8.976                                 | 9.808                                    |
|           |                |              | 16-QAM    | RB50#0                 | 8.984                                 | 9.77                                     |
|           |                | MCH          | QPSK      | RB50#0                 | 8.975                                 | 9.91                                     |
|           |                |              | 16-QAM    | RB50#0                 | 8.947                                 | 9.76                                     |
|           |                | HCH          | QPSK      | RB50#0                 | 8.999                                 | 9.823                                    |
|           |                |              | 16-QAM    | RB50#0                 | 8.981                                 | 10.327                                   |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                 | 13.485                                | 14.982                                   |
|           |                |              | 16-QAM    | RB75#0                 | 13.479                                | 15.12                                    |
|           |                | MCH          | QPSK      | RB75#0                 | 13.447                                | 15.163                                   |
|           |                |              | 16-QAM    | RB75#0                 | 13.524                                | 15.165                                   |
|           |                | HCH          | QPSK      | RB75#0                 | 13.426                                | 15.032                                   |
|           |                |              | 16-QAM    | RB75#0                 | 13.51                                 | 15.419                                   |
|           | 20 MHz         | LCH          | QPSK      | RB100#0                | 17.971                                | 19.533                                   |
|           |                |              | 16-QAM    | RB100#0                | 17.918                                | 19.564                                   |
|           |                | MCH          | QPSK      | RB100#0                | 17.904                                | 19.588                                   |
|           |                |              | 16-QAM    | RB100#0                | 17.938                                | 20.446                                   |
|           |                | HCH          | QPSK      | RB100#0                | 17.934                                | 19.888                                   |
|           |                |              | 16-QAM    | RB100#0                | 17.9                                  | 19.417                                   |
|           | 5 MHz          | LCH          | 64-QAM    | RB25#0                 | 4.51                                  | 4.97                                     |
|           |                | MCH          | 64-QAM    | RB25#0                 | 4.51                                  | 5.08                                     |
|           |                | HCH          | 64-QAM    | RB25#0                 | 4.49                                  | 4.97                                     |
|           | 10 MHz         | LCH          | 64-QAM    | RB50#0                 | 8.98                                  | 10.21                                    |
|           |                | MCH          | 64-QAM    | RB50#0                 | 8.96                                  | 9.98                                     |
|           |                | HCH          | 64-QAM    | RB50#0                 | 8.98                                  | 10.13                                    |
|           | 15 MHz         | LCH          | 64-QAM    | RB75#0                 | 13.44                                 | 15                                       |
|           |                | MCH          | 64-QAM    | RB75#0                 | 13.48                                 | 14.82                                    |
|           |                | HCH          | 64-QAM    | RB75#0                 | 13.46                                 | 15.02                                    |
|           | 20 MHz         | LCH          | 64-QAM    | RB100#0                | 17.88                                 | 20.19                                    |
|           |                | MCH          | 64-QAM    | RB100#0                | 17.91                                 | 19.38                                    |
|           |                | HCH          | 64-QAM    | RB100#0                | 17.94                                 | 21.09                                    |

| Test Channel | Modulation | PCC RB |        | SCC RB |        | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|--------------|------------|--------|--------|--------|--------|---------------------------------------|------------------------------------------|
|              |            | Size   | Offset | Size   | Offset |                                       |                                          |
| CA_2C        |            |        |        |        |        |                                       |                                          |
| 5MHz+20MHz   |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 25     | 0      | 100    | 0      | 22.96                                 | 24.31                                    |
|              | 16-QAM     | 25     | 0      | 100    | 0      | 22.93                                 | 24.31                                    |
| 20MHz+5MHz   |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 100    | 0      | 25     | 0      | 23.01                                 | 24.38                                    |
|              | 16-QAM     | 100    | 0      | 25     | 0      | 22.95                                 | 24.28                                    |
| 10MHz+20MHz  |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 50     | 0      | 100    | 0      | 27.87                                 | 29.61                                    |
|              | 16-QAM     | 50     | 0      | 100    | 0      | 27.75                                 | 29.51                                    |
| 20MHz+10MHz  |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 100    | 0      | 50     | 0      | 27.85                                 | 29.65                                    |
|              | 16-QAM     | 100    | 0      | 50     | 0      | 27.8                                  | 29.51                                    |
| 10MHz+15MHz  |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 50     | 0      | 75     | 0      | 23.16                                 | 24.91                                    |
|              | 16-QAM     | 50     | 0      | 75     | 0      | 23.2                                  | 24.71                                    |
| 15MHz+10MHz  |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 75     | 0      | 50     | 0      | 23.23                                 | 24.77                                    |
|              | 16-QAM     | 75     | 0      | 50     | 0      | 23.23                                 | 24.64                                    |
| 15MHz+15MHz  |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 75     | 0      | 75     | 0      | 28.45                                 | 30.24                                    |
|              | 16-QAM     | 75     | 0      | 75     | 0      | 28.38                                 | 30.26                                    |
| 15MHz+20MHz  |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 75     | 0      | 100    | 0      | 32.72                                 | 34.82                                    |
|              | 16-QAM     | 75     | 0      | 100    | 0      | 32.71                                 | 34.82                                    |
| 20MHz+15MHz  |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 100    | 0      | 75     | 0      | 32.71                                 | 34.83                                    |
|              | 16-QAM     | 100    | 0      | 75     | 0      | 32.7                                  | 34.73                                    |
| 20MHz+20MHz  |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 100    | 0      | 100    | 0      | 37.69                                 | 39.95                                    |
|              | 16-QAM     | 100    | 0      | 100    | 0      | 37.62                                 | 40.04                                    |



| Test Channel | Modulation | PCC RB |        | SCC RB |        | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|--------------|------------|--------|--------|--------|--------|---------------------------------------|------------------------------------------|
|              |            | Size   | Offset | Size   | Offset |                                       |                                          |
| CA_5B        |            |        |        |        |        |                                       |                                          |
| 5MHz+10MHz   |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 25     | 0      | 50     | 0      | 13.9                                  | 14.8                                     |
|              | 16-QAM     | 25     | 0      | 50     | 0      | 13.9                                  | 14.8                                     |
| 10MHz+5MHz   |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 50     | 0      | 25     | 0      | 13.9                                  | 14.87                                    |
|              | 16-QAM     | 50     | 0      | 25     | 0      | 13.9                                  | 14.76                                    |
| 10MHz+10MHz  |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 50     | 0      | 50     | 0      | 18.78                                 | 20.04                                    |
|              | 16-QAM     | 50     | 0      | 50     | 0      | 18.74                                 | 19.99                                    |

| Test Channel | Modulation | PCC RB |        | SCC RB |        | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|--------------|------------|--------|--------|--------|--------|---------------------------------------|------------------------------------------|
|              |            | Size   | Offset | Size   | Offset |                                       |                                          |
| CA_7C        |            |        |        |        |        |                                       |                                          |
| 10MHz+20MHz  |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 50     | 0      | 100    | 0      | 27.84                                 | 29.66                                    |
|              | 16-QAM     | 50     | 0      | 100    | 0      | 27.75                                 | 29.5                                     |
| 20MHz+10MHz  |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 100    | 0      | 50     | 0      | 27.83                                 | 29.59                                    |
|              | 16-QAM     | 100    | 0      | 50     | 0      | 27.77                                 | 29.45                                    |
| 15MHz+15MHz  |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 75     | 0      | 75     | 0      | 28.39                                 | 30.25                                    |
|              | 16-QAM     | 75     | 0      | 75     | 0      | 28.43                                 | 30.26                                    |
| 15MHz+20MHz  |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 75     | 0      | 100    | 0      | 32.74                                 | 34.85                                    |
|              | 16-QAM     | 75     | 0      | 100    | 0      | 32.63                                 | 34.72                                    |
| 20MHz+15MHz  |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 100    | 0      | 75     | 0      | 32.67                                 | 34.74                                    |
|              | 16-QAM     | 100    | 0      | 75     | 0      | 32.69                                 | 34.73                                    |
| 20MHz+20MHz  |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 100    | 0      | 100    | 0      | 37.64                                 | 39.94                                    |
|              | 16-QAM     | 100    | 0      | 100    | 0      | 37.55                                 | 40.07                                    |

| Test Channel | Modulation | PCC RB |        | SCC RB |        | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|--------------|------------|--------|--------|--------|--------|---------------------------------------|------------------------------------------|
|              |            | Size   | Offset | Size   | Offset |                                       |                                          |
| CA_38C       |            |        |        |        |        |                                       |                                          |
| 15MHz+15MHz  |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 75     | 0      | 75     | 0      | 28.44                                 | 34.62                                    |
|              | 16-QAM     | 75     | 0      | 75     | 0      | 28.5                                  | 32.95                                    |
| 20MHz+20MHz  |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 100    | 0      | 100    | 0      | 37.75                                 | 48.94                                    |
|              | 16-QAM     | 100    | 0      | 100    | 0      | 37.64                                 | 47.13                                    |

| Test Channel | Modulation | PCC RB |        | SCC RB |        | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) |
|--------------|------------|--------|--------|--------|--------|---------------------------------------|------------------------------------------|
|              |            | Size   | Offset | Size   | Offset |                                       |                                          |
| CA_41C       |            |        |        |        |        |                                       |                                          |
| 5MHz+20MHz   |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 25     | 0      | 100    | 0      | 22.98                                 | 26.72                                    |
|              | 16-QAM     | 25     | 0      | 100    | 0      | 22.96                                 | 26.3                                     |
| 20MHz+5MHz   |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 100    | 0      | 25     | 0      | 23.02                                 | 24.76                                    |
|              | 16-QAM     | 100    | 0      | 25     | 0      | 22.95                                 | 24.31                                    |
| 10MHz+20MHz  |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 50     | 0      | 100    | 0      | 27.93                                 | 35.68                                    |
|              | 16-QAM     | 50     | 0      | 100    | 0      | 27.86                                 | 32.7                                     |
| 20MHz+10MHz  |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 100    | 0      | 50     | 0      | 27.9                                  | 33.26                                    |
|              | 16-QAM     | 100    | 0      | 50     | 0      | 27.83                                 | 34.48                                    |
| 15MHz+15MHz  |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 75     | 0      | 75     | 0      | 28.48                                 | 36.24                                    |
|              | 16-QAM     | 75     | 0      | 75     | 0      | 28.42                                 | 38.19                                    |
| 15MHz+20MHz  |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 75     | 0      | 100    | 0      | 32.7                                  | 42.9                                     |
|              | 16-QAM     | 75     | 0      | 100    | 0      | 32.74                                 | 45.12                                    |
| 20MHz+15MHz  |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 100    | 0      | 75     | 0      | 32.74                                 | 43.77                                    |
|              | 16-QAM     | 100    | 0      | 75     | 0      | 32.76                                 | 36.13                                    |
| 20MHz+20MHz  |            |        |        |        |        |                                       |                                          |
| Mid          | QPSK       | 100    | 0      | 100    | 0      | 37.79                                 | 43.75                                    |
|              | 16-QAM     | 100    | 0      | 100    | 0      | 37.86                                 | 50.95                                    |

## 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) |         |
| 3.91            | -30              | -14.01              | ±2060.5     | -13.92           | ±2091.5     | -11.69           | ±2122       | Pass    |
|                 | -20              | -13.24              |             | -14.5            |             | -11.53           |             |         |
|                 | -10              | -13.43              |             | -14.59           |             | -13.79           |             |         |
|                 | 0                | -11.56              |             | -13.04           |             | -13.24           |             |         |
|                 | 10               | -11.49              |             | -14.88           |             | -11.53           |             |         |
|                 | 20               | -13.46              |             | -13.88           |             | -15.14           |             |         |
|                 | 25               | -15.92              |             | -13.88           |             | -13.08           |             |         |
|                 | 30               | -15.85              |             | -14.85           |             | -13.79           |             |         |
|                 | 40               | -13.75              |             | -14.92           |             | -13.69           |             |         |
|                 | 50               | -11.3               |             | -13.66           |             | -9.98            |             |         |
|                 | 55               | -13.08              |             | -12.11           |             | -12.04           |             |         |
| 4.5             | 25               | -13.85              |             | -12.4            |             | -9.14            |             |         |
| 3.45            | 25               | -15.46              |             | -13.2            |             | -10.94           |             |         |

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) |         |
| 3.91            | -30              | -10.78              | ±4625.5     | -15.92          | ±4700.0     | -10.4             | ±4774.5     | Pass    |
|                 | -20              | -14.66              |             | -10.01          |             | -5.81             |             |         |
|                 | -10              | -7.17               |             | -9.81           |             | -7.81             |             |         |
|                 | 0                | -9.88               |             | -12.43          |             | -16.53            |             |         |
|                 | 10               | -7.49               |             | -8.62           |             | -11.46            |             |         |
|                 | 20               | -14.72              |             | -12.4           |             | -6.84             |             |         |
|                 | 25               | -10.91              |             | -14.85          |             | -11.36            |             |         |
|                 | 30               | -10.36              |             | -13.14          |             | -13.79            |             |         |
|                 | 40               | -12.95              |             | -9.49           |             | -9.14             |             |         |
|                 | 50               | -6.33               |             | -9.75           |             | -10.33            |             |         |
|                 | 55               | -7.33               |             | -10.04          |             | -13.14            |             |         |
| 4.5             | 25               | -6.26               |             | -8.36           |             | -9.01             |             |         |
| 3.45            | 25               | -9.17               |             | -9.07           |             | -10.88            |             |         |

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) |         |
| 3.91            | -30              | -22.44              | ±2060.5     | -22.37           | ±2091.5     | -13.37           | ±2122       | Pass    |
|                 | -20              | -12.98              |             | -13.53           |             | -13.53           |             |         |
|                 | -10              | -13.85              |             | -9.81            |             | -15.85           |             |         |
|                 | 0                | -14.95              |             | -14.11           |             | -18.66           |             |         |
|                 | 10               | -14.85              |             | -17.95           |             | -17.63           |             |         |
|                 | 20               | -20.95              |             | -20.34           |             | -22.34           |             |         |
|                 | 25               | -19.89              |             | -19.02           |             | -20.44           |             |         |
|                 | 30               | -15.92              |             | -19.11           |             | -18.44           |             |         |
|                 | 40               | -17.43              |             | -20.99           |             | -21.08           |             |         |
|                 | 50               | -12.88              |             | -9.33            |             | -13.53           |             |         |
|                 | 55               | -15.59              |             | -18.37           |             | -19.86           |             |         |
| 4.5             | 25               | -15.76              | ±2060.5     | -12.3            | ±2091.5     | -18.98           | ±2122       | Pass    |
| 3.45            | 25               | -15.21              |             | -13.56           |             | -9.72            |             |         |

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) |         |
| 3.91            | -30              | -6.88               | ±4625.5     | -8.46           | ±4700.0     | -4.42             | ±4774.5     | Pass    |
|                 | -20              | -11.17              |             | -14.24          |             | -19.95            |             |         |
|                 | -10              | 5.33                |             | -11.78          |             | 5.62              |             |         |
|                 | 0                | -24.6               |             | -6.36           |             | 9.56              |             |         |
|                 | 10               | -8.01               |             | -7.23           |             | -6.36             |             |         |
|                 | 20               | -5.07               |             | -17.01          |             | -7.68             |             |         |
|                 | 25               | -21.86              |             | -28.28          |             | -26.51            |             |         |
|                 | 30               | -15.88              |             | -12.04          |             | -11.66            |             |         |
|                 | 40               | -4.65               |             | -10.2           |             | 6.81              |             |         |
|                 | 50               | -8.23               |             | -11.95          |             | 6.62              |             |         |
|                 | 55               | -9.49               |             | -12.53          |             | -8.78             |             |         |
| 4.5             | 25               | -14.59              | ±4625.5     | -6.97           | ±4700.0     | -7.43             | ±4774.5     | Pass    |
| 3.45            | 25               | -14.21              |             | -9.94           |             | -11.98            |             |         |

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) |         |
| 3.91            | -30              | -20.15              | ±2060.5     | -16.76           | ±2091.5     | -22.08           | ±2122       | Pass    |
|                 | -20              | -18.56              |             | -12.59           |             | -17.98           |             |         |
|                 | -10              | -22.83              |             | -17.56           |             | -15.72           |             |         |
|                 | 0                | -19.6               |             | -16.59           |             | -17.79           |             |         |
|                 | 10               | -21.44              |             | -18.92           |             | -20.4            |             |         |
|                 | 20               | -15.92              |             | -20.31           |             | -23.76           |             |         |
|                 | 25               | -23.92              |             | -26.54           |             | -17.69           |             |         |
|                 | 30               | -18.79              |             | -15.24           |             | -17.76           |             |         |
|                 | 40               | -17.31              |             | -14.95           |             | -13.2            |             |         |
|                 | 50               | -23.41              |             | -23.99           |             | -18.4            |             |         |
|                 | 55               | -19.95              |             | -20.5            |             | -20.44           |             |         |
| 4.5             | 25               | -23.5               |             | -17.31           |             | -17.01           |             |         |
| 3.45            | 25               | -22.86              |             | -19.47           |             | -18.69           |             |         |

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) |         |
| 3.91            | -30              | -20.34              | ±4625.5     | -21.28          | ±4700.0     | -18.63            | ±4774.5     | Pass    |
|                 | -20              | -16.53              |             | -19.82          |             | -14.4             |             |         |
|                 | -10              | -18.89              |             | -21.37          |             | -17.01            |             |         |
|                 | 0                | -17.21              |             | -21.28          |             | -20.7             |             |         |
|                 | 10               | -14.33              |             | -15.59          |             | -19.34            |             |         |
|                 | 20               | -21.57              |             | -20.08          |             | -22.08            |             |         |
|                 | 25               | -20.63              |             | -21.79          |             | -21.92            |             |         |
|                 | 30               | -22.83              |             | -18.24          |             | -24.34            |             |         |
|                 | 40               | -17.69              |             | -16.47          |             | -19.02            |             |         |
|                 | 50               | -13.69              |             | -21.53          |             | -17.66            |             |         |
|                 | 55               | -22.37              |             | -18.18          |             | -18.92            |             |         |
| 4.5             | 25               | -15.88              |             | -21.86          |             | -28.44            |             |         |
| 3.45            | 25               | -20.95              |             | -13.69          |             | -17.37            |             |         |

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) |         |
| 3.91            | -30              | 2.66                | ±4631       | -2.86           | ±4700       | -2.94             | ±4769       | Pass    |
|                 | -20              | 2.4                 |             | -3.53           |             | -1.75             |             |         |
|                 | -10              | 0.35                |             | 4.78            |             | 0.53              |             |         |
|                 | 0                | -0.94               |             | -1.05           |             | -4.13             |             |         |
|                 | 10               | 2.35                |             | -4.96           |             | -7.4              |             |         |
|                 | 20               | -0.39               |             | -5.36           |             | -5.67             |             |         |
|                 | 25               | 3.5                 |             | -3.67           |             | -4.75             |             |         |
|                 | 30               | -3.66               |             | -2.83           |             | -5.14             |             |         |
|                 | 40               | 0.98                |             | -1.28           |             | -2                |             |         |
|                 | 50               | 3.15                |             | 0.06            |             | -1.43             |             |         |
|                 | 55               | -2.1                |             | -1.67           |             | -7.29             |             |         |
| 4.5             | 25               | 2.39                |             | -3.23           |             | -5.38             |             |         |
| 3.45            | 25               | 2.86                |             | -3.55           |             | -5.4              |             |         |

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) |         |
| 3.91            | -30              | 3.07                | ±4281       | -6.09             | ±4331       | -3.25             | ±4381.5     | Pass    |
|                 | -20              | 4.58                |             | -2.52             |             | -6.12             |             |         |
|                 | -10              | 4.27                |             | -5.03             |             | -3.81             |             |         |
|                 | 0                | 0.41                |             | -3.1              |             | -6.13             |             |         |
|                 | 10               | -0.11               |             | -2.61             |             | -9.25             |             |         |
|                 | 20               | -0.28               |             | -3.57             |             | -3.96             |             |         |
|                 | 25               | 1.1                 |             | -3.47             |             | -4.44             |             |         |
|                 | 30               | 3.33                |             | -9.11             |             | -5.36             |             |         |
|                 | 40               | -1.82               |             | -3.78             |             | -8.28             |             |         |
|                 | 50               | 3.13                |             | -6.5              |             | -8.85             |             |         |
|                 | 55               | 0.37                |             | -8.28             |             | -4.63             |             |         |
| 4.5             | 25               | 2.55                |             | -7.02             |             | -9.86             |             |         |
| 3.45            | 25               | 1.34                |             | -9.16             |             | -8.03             |             |         |

## WCDMA Band B5

| Test Conditions |                  | Frequency Deviation |             |                  |             |                  |             | Verdict |
|-----------------|------------------|---------------------|-------------|------------------|-------------|------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | LCH<br>826.4 MHz    |             | MCH<br>836.4 MHz |             | HCH<br>846.6 MHz |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) | Value (Hz)       | Limits (Hz) | Value (Hz)       | Limits (Hz) |         |
| 3.91            | -30              | -4.44               | ±2066       | 2.95             | ±2091       | -4.12            | ±2116.5     | Pass    |
|                 | -20              | -7.27               |             | -0.97            |             | -1.95            |             |         |
|                 | -10              | -6.55               |             | -0.77            |             | -6.54            |             |         |
|                 | 0                | -6.57               |             | 1.2              |             | -1.77            |             |         |
|                 | 10               | 0.69                |             | -0.89            |             | 1.14             |             |         |
|                 | 20               | 0.57                |             | -1.27            |             | -1.52            |             |         |
|                 | 25               | -1.71               |             | -2.1             |             | -4.46            |             |         |
|                 | 30               | 1.49                |             | -4.67            |             | -5.16            |             |         |
|                 | 40               | -1.18               |             | -3.38            |             | -4.41            |             |         |
|                 | 50               | 0.55                |             | -2.05            |             | -5.04            |             |         |
|                 | 55               | -3.84               |             | -3.71            |             | -5               |             |         |
| 4.5             | 25               | -1.69               |             | -4.03            |             | -6.19            |             |         |
| 3.45            | 25               | -2.67               |             | -4.24            |             | -7.37            |             |         |

LTE Band 2 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1880 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.91            | -30              | -2.2                | ±4700       | Pass    |
|                 | -20              | -1.9                |             |         |
|                 | -10              | -0.97               |             |         |
|                 | 0                | -0.1                |             |         |
|                 | 10               | -6.74               |             |         |
|                 | 20               | -3.46               |             |         |
|                 | 25               | -0.86               |             |         |
|                 | 30               | 1.19                |             |         |
|                 | 40               | -1.47               |             |         |
|                 | 50               | -2.98               |             |         |
|                 | 55               | -1.39               |             |         |
| 4.5             | 25               | -1.57               | ±4700       | Pass    |
| 3.45            | 25               | -5.94               |             |         |

LTE Band 2 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1880 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.91            | -30              | -1.27               | ±4700       | Pass    |
|                 | -20              | -0.7                |             |         |
|                 | -10              | -7.31               |             |         |
|                 | 0                | -2.73               |             |         |
|                 | 10               | -0.26               |             |         |
|                 | 20               | -1.65               |             |         |
|                 | 25               | -1.75               |             |         |
|                 | 30               | 1.16                |             |         |
|                 | 40               | -2.13               |             |         |
|                 | 50               | -2.19               |             |         |
|                 | 55               | -2.13               |             |         |
| 4.5             | 25               | -3.78               | ±4700       | Pass    |
| 3.45            | 25               | -1.34               |             |         |



LTE Band 4 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1732.5 MHz   |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.91            | -30              | 0.64                | ±4331.25    | Pass    |
|                 | -20              | -1.93               |             |         |
|                 | -10              | -2.02               |             |         |
|                 | 0                | -0.19               |             |         |
|                 | 10               | -2.19               |             |         |
|                 | 20               | -8.21               |             |         |
|                 | 25               | 0.69                |             |         |
|                 | 30               | -3                  |             |         |
|                 | 40               | -4.69               |             |         |
|                 | 50               | -5.72               |             |         |
|                 | 55               | -3.85               |             |         |
| 4.5             | 25               | -2.96               | ±4331.25    | Pass    |
| 3.45            | 25               | -5.51               |             |         |

LTE Band 4 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1732.5 MHz   |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.91            | -30              | -4.78               | ±4331.25    | Pass    |
|                 | -20              | -4.79               |             |         |
|                 | -10              | -2.69               |             |         |
|                 | 0                | -3.15               |             |         |
|                 | 10               | 0.2                 |             |         |
|                 | 20               | -6.04               |             |         |
|                 | 25               | -2.75               |             |         |
|                 | 30               | -2.16               |             |         |
|                 | 40               | -4.11               |             |         |
|                 | 50               | -2.33               |             |         |
|                 | 55               | -2.76               |             |         |
| 4.5             | 25               | -3.03               | ±4331.25    | Pass    |
| 3.45            | 25               | -0.33               |             |         |

LTE Band 5 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>836.5 MHz    |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.91            | -30              | -2.86               | ±2091.25    | Pass    |
|                 | -20              | -0.73               |             |         |
|                 | -10              | -5.52               |             |         |
|                 | 0                | -2.22               |             |         |
|                 | 10               | -2.52               |             |         |
|                 | 20               | -5.72               |             |         |
|                 | 25               | -2.59               |             |         |
|                 | 30               | -3.15               |             |         |
|                 | 40               | -3.48               |             |         |
|                 | 50               | -3.86               |             |         |
|                 | 55               | -3.4                |             |         |
| 4.5             | 25               | -2.6                |             |         |
| 3.45            | 25               | -2.76               |             |         |

LTE Band 5 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>836.5 MHz    |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.91            | -30              | -7.72               | ±2091.25    | Pass    |
|                 | -20              | -1.63               |             |         |
|                 | -10              | -5.88               |             |         |
|                 | 0                | -3.55               |             |         |
|                 | 10               | -6.57               |             |         |
|                 | 20               | -0.99               |             |         |
|                 | 25               | -0.74               |             |         |
|                 | 30               | -1.72               |             |         |
|                 | 40               | -6.05               |             |         |
|                 | 50               | -4.92               |             |         |
|                 | 55               | -3.02               |             |         |
| 4.5             | 25               | -2.65               |             |         |
| 3.45            | 25               | -5.01               |             |         |

LTE Band 7 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2535 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.91            | -30              | -7.87               | ±6337.5     | Pass    |
|                 | -20              | 1.93                |             |         |
|                 | -10              | -11.32              |             |         |
|                 | 0                | -3.53               |             |         |
|                 | 10               | -3.93               |             |         |
|                 | 20               | -3.06               |             |         |
|                 | 25               | 1.89                |             |         |
|                 | 30               | -3.16               |             |         |
|                 | 40               | 0.79                |             |         |
|                 | 50               | 2.49                |             |         |
|                 | 55               | -5.52               |             |         |
| 4.5             | 25               | -5.85               | ±6337.5     | Pass    |
| 3.45            | 25               | -3.29               |             |         |

LTE Band 7 16-QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2535 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.91            | -30              | -2.02               | ±6337.5     | Pass    |
|                 | -20              | -7.61               |             |         |
|                 | -10              | -6.69               |             |         |
|                 | 0                | -6.94               |             |         |
|                 | 10               | 3.1                 |             |         |
|                 | 20               | -8.97               |             |         |
|                 | 25               | -3.72               |             |         |
|                 | 30               | -1.07               |             |         |
|                 | 40               | -1.07               |             |         |
|                 | 50               | -1.93               |             |         |
|                 | 55               | -5.38               |             |         |
| 4.5             | 25               | -1.02               | ±6337.5     | Pass    |
| 3.45            | 25               | 1.46                |             |         |

LTE Band 38 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2595 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.91            | -30              | -5.99               | ±6487.5     | Pass    |
|                 | -20              | -6.01               |             |         |
|                 | -10              | -6.72               |             |         |
|                 | 0                | -7.47               |             |         |
|                 | 10               | -10.67              |             |         |
|                 | 20               | -8.53               |             |         |
|                 | 25               | -4.39               |             |         |
|                 | 30               | -7.5                |             |         |
|                 | 40               | -6.11               |             |         |
|                 | 50               | -6.85               |             |         |
|                 | 55               | -3.26               |             |         |
| 4.5             | 25               | -9.2                |             |         |
| 3.45            | 25               | -6.35               |             |         |

LTE Band 38 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2595 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.91            | -30              | -6.79               | ±6487.5     | Pass    |
|                 | -20              | -7.78               |             |         |
|                 | -10              | -4.22               |             |         |
|                 | 0                | -1.93               |             |         |
|                 | 10               | -0.93               |             |         |
|                 | 20               | -7.42               |             |         |
|                 | 25               | -7.65               |             |         |
|                 | 30               | -8.8                |             |         |
|                 | 40               | -9.57               |             |         |
|                 | 50               | -7.9                |             |         |
|                 | 55               | -3.58               |             |         |
| 4.5             | 25               | -9.81               |             |         |
| 3.45            | 25               | -6.98               |             |         |

LTE Band 41 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2593 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.91            | -30              | -9.81               | ±6482.5     | Pass    |
|                 | -20              | -7.07               |             |         |
|                 | -10              | -9.21               |             |         |
|                 | 0                | -5.91               |             |         |
|                 | 10               | -1.12               |             |         |
|                 | 20               | -13.26              |             |         |
|                 | 25               | -9.28               |             |         |
|                 | 30               | -5.89               |             |         |
|                 | 40               | -7.4                |             |         |
|                 | 50               | -5.12               |             |         |
|                 | 55               | -5.76               |             |         |
| 4.5             | 25               | -7.95               | ±6482.5     | Pass    |
| 3.45            | 25               | -9.2                |             |         |

LTE Band 41 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2593 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.91            | -30              | -7.93               | ±6482.5     | Pass    |
|                 | -20              | -7.75               |             |         |
|                 | -10              | -5.75               |             |         |
|                 | 0                | -9.5                |             |         |
|                 | 10               | -11.8               |             |         |
|                 | 20               | -9.2                |             |         |
|                 | 25               | -2.73               |             |         |
|                 | 30               | -8.03               |             |         |
|                 | 40               | -2.8                |             |         |
|                 | 50               | -10.1               |             |         |
|                 | 55               | -9.56               |             |         |
| 4.5             | 25               | -7.28               | ±6482.5     | Pass    |
| 3.45            | 25               | -7.34               |             |         |

CA\_2C QPSK 20MHz+5MHz

| Test Conditions |                  | Frequency Deviation   |             |                       |             | Verdict |
|-----------------|------------------|-----------------------|-------------|-----------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | PCC MCH<br>1877.5 MHz |             | SCC MCH<br>1889.2 MHz |             |         |
|                 |                  | Value(Hz)             | Limits (Hz) | Value(Hz)             | Limits (Hz) |         |
| 3.91            | -30              | -2.23                 | ±4693.75    | -4.21                 | ±4723       | Pass    |
|                 | -20              | -4.96                 |             | -0.56                 |             |         |
|                 | -10              | -8.03                 |             | -7.68                 |             |         |
|                 | 0                | 4.59                  |             | 1.34                  |             |         |
|                 | 10               | -2.47                 |             | -3.59                 |             |         |
|                 | 20               | -6.75                 |             | -3.46                 |             |         |
|                 | 25               | -2.07                 |             | -6.94                 |             |         |
|                 | 30               | -9.86                 |             | -4.38                 |             |         |
|                 | 40               | -3.95                 |             | 3.78                  |             |         |
|                 | 50               | -1.99                 |             | -7.54                 |             |         |
|                 | 55               | -1.47                 | 3.6         |                       |             |         |
| 4.5             | 25               | -9.36                 |             | 2.45                  |             |         |
| 3.45            | 25               | 1.95                  |             | -8.1                  |             |         |

CA\_2C 16QAM 20MHz+5MHz

| Test Conditions |                  | Frequency Deviation   |             |                       |             | Verdict |
|-----------------|------------------|-----------------------|-------------|-----------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | PCC MCH<br>1877.5 MHz |             | SCC MCH<br>1889.2 MHz |             |         |
|                 |                  | Value(Hz)             | Limits (Hz) | Value(Hz)             | Limits (Hz) |         |
| 3.91            | -30              | -6.55                 | ±4693.75    | -2.13                 | ±4723       | Pass    |
|                 | -20              | -5.16                 |             | -0.29                 |             |         |
|                 | -10              | 0.92                  |             | 2.43                  |             |         |
|                 | 0                | 0.4                   |             | 2.95                  |             |         |
|                 | 10               | -1.6                  |             | -4.51                 |             |         |
|                 | 20               | -3.45                 |             | -2.53                 |             |         |
|                 | 25               | 2.16                  |             | -2.78                 |             |         |
|                 | 30               | -2.68                 |             | -3.35                 |             |         |
|                 | 40               | -5.44                 |             | 1.87                  |             |         |
|                 | 50               | -11.97                |             | -2.3                  |             |         |
|                 | 55               | 0.64                  | -3.72       |                       |             |         |
| 4.5             | 25               | -0.16                 |             | -3.39                 |             |         |
| 3.45            | 25               | 3.99                  |             | -0.74                 |             |         |

## CA\_2C QPSK 20MHz+20MHz

| Test Conditions |                  | Frequency Deviation   |             |                       |             | Verdict |
|-----------------|------------------|-----------------------|-------------|-----------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | PCC MCH<br>1870.1 MHz |             | SCC MCH<br>1889.9 MHz |             |         |
|                 |                  | Value(Hz)             | Limits (Hz) | Value(Hz)             | Limits (Hz) |         |
| 3.91            | -30              | -0.39                 | ±4675.25    | -4.86                 | ±4724.75    | Pass    |
|                 | -20              | -3.85                 |             | -1.65                 |             |         |
|                 | -10              | -3.23                 |             | -5.46                 |             |         |
|                 | 0                | -6.72                 |             | -1.5                  |             |         |
|                 | 10               | 4.12                  |             | 4.03                  |             |         |
|                 | 20               | 3.08                  |             | -2.82                 |             |         |
|                 | 25               | -10.61                |             | 0.16                  |             |         |
|                 | 30               | 2.13                  |             | 4.39                  |             |         |
|                 | 40               | -6.32                 |             | -3                    |             |         |
|                 | 50               | 0.82                  |             | 3.99                  |             |         |
|                 | 55               | 0.87                  | 8.58        |                       |             |         |
| 4.5             | 25               | -0.94                 |             | -3.42                 |             |         |
| 3.45            | 25               | 0.74                  |             | -2.06                 |             |         |

## CA\_2C 16QAM 20MHz+20MHz

| Test Conditions |                  | Frequency Deviation   |             |                       |             | Verdict |
|-----------------|------------------|-----------------------|-------------|-----------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | PCC MCH<br>1870.1 MHz |             | SCC MCH<br>1889.9 MHz |             |         |
|                 |                  | Value(Hz)             | Limits (Hz) | Value(Hz)             | Limits (Hz) |         |
| 3.91            | -30              | 2.88                  | ±4675.25    | 6.17                  | ±4724.75    | Pass    |
|                 | -20              | 3.69                  |             | -0.92                 |             |         |
|                 | -10              | 4.43                  |             | -0.77                 |             |         |
|                 | 0                | 2.66                  |             | -5.02                 |             |         |
|                 | 10               | -0.86                 |             | -2.8                  |             |         |
|                 | 20               | -1.27                 |             | -7.51                 |             |         |
|                 | 25               | 0.14                  |             | 0.36                  |             |         |
|                 | 30               | 1.06                  |             | 1.49                  |             |         |
|                 | 40               | 0.8                   |             | -4.75                 |             |         |
|                 | 50               | 2.69                  |             | 7.32                  |             |         |
|                 | 55               | -6.04                 | 5.75        |                       |             |         |
| 4.5             | 25               | -10.67                |             | -4.38                 |             |         |
| 3.45            | 25               | -3.33                 |             | 2.06                  |             |         |

CA\_5B QPSK 10MHz+5MHz

| Test Conditions |                  | Frequency Deviation |             |                      |             | Verdict |
|-----------------|------------------|---------------------|-------------|----------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | PCC MCH<br>834 MHz  |             | SCC MCH<br>841.5 MHz |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) | Value(Hz)            | Limits (Hz) |         |
| 3.91            | -30              | -8.21               | ±2085       | -3.85                | ±2103.75    | Pass    |
|                 | -20              | -7.31               |             | 0.41                 |             |         |
|                 | -10              | -5.39               |             | -2.73                |             |         |
|                 | 0                | -2.66               |             | -7.51                |             |         |
|                 | 10               | -6.45               |             | -5.39                |             |         |
|                 | 20               | -6.44               |             | -3.73                |             |         |
|                 | 25               | -7.31               |             | -8.61                |             |         |
|                 | 30               | -4.12               |             | 0.53                 |             |         |
|                 | 40               | 5.29                |             | -6.32                |             |         |
|                 | 50               | -6.97               |             | -3.96                |             |         |
| 55              | -1.65            | -1.34               |             |                      |             |         |
| 4.5             | 25               | -3.81               |             | -4.05                |             |         |
| 3.45            | 25               | -1.2                |             | -4.26                |             |         |

CA\_5B 16QAM 10MHz+5MHz

| Test Conditions |                  | Frequency Deviation |             |                      |             | Verdict |
|-----------------|------------------|---------------------|-------------|----------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | PCC MCH<br>834 MHz  |             | SCC MCH<br>841.5 MHz |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) | Value(Hz)            | Limits (Hz) |         |
| 3.91            | -30              | -4.29               | ±2085       | -4.59                | ±2103.75    | Pass    |
|                 | -20              | -4.82               |             | -0.56                |             |         |
|                 | -10              | -3.86               |             | -0.33                |             |         |
|                 | 0                | -12.25              |             | -4.25                |             |         |
|                 | 10               | -0.19               |             | 1.36                 |             |         |
|                 | 20               | -5.32               |             | -3.6                 |             |         |
|                 | 25               | -3.85               |             | -4.46                |             |         |
|                 | 30               | -1.72               |             | -0.8                 |             |         |
|                 | 40               | 2.17                |             | 0.01                 |             |         |
|                 | 50               | -5.91               |             | -1.76                |             |         |
|                 | 55               | -3.43               | -1.97       |                      |             |         |
| 4.5             | 25               | -2.02               |             | 0.03                 |             |         |
| 3.45            | 25               | 3.28                |             | -4.56                |             |         |



## CA\_5B QPSK 10MHz+10MHz

| Test Conditions |                  | Frequency Deviation  |             |                      |             | Verdict |
|-----------------|------------------|----------------------|-------------|----------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | PCC MCH<br>831.6 MHz |             | SCC MCH<br>841.5 MHz |             |         |
|                 |                  | Value(Hz)            | Limits (Hz) | Value(Hz)            | Limits (Hz) |         |
| 3.91            | -30              | -8.47                | ±2079       | -5.82                | ±2103.75    | Pass    |
|                 | -20              | -1.42                |             | 3.85                 |             |         |
|                 | -10              | -4.92                |             | -0.2                 |             |         |
|                 | 0                | -0.87                |             | -0.34                |             |         |
|                 | 10               | -0.31                |             | -8.23                |             |         |
|                 | 20               | -2.52                |             | -3.56                |             |         |
|                 | 25               | -4.45                |             | -3.71                |             |         |
|                 | 30               | -4.61                |             | -3.16                |             |         |
|                 | 40               | -8.01                |             | -5.19                |             |         |
|                 | 50               | -1.02                |             | -4.09                |             |         |
|                 | 55               | 6.01                 |             | 2.25                 |             |         |
| 4.5             | 25               | -1.75                |             | -6.04                |             |         |
| 3.45            | 25               | -4.51                |             | 0.44                 |             |         |

## CA\_5B 16QAM 10MHz+10MHz

| Test Conditions |                  | Frequency Deviation  |             |                      |             | Verdict |
|-----------------|------------------|----------------------|-------------|----------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | PCC MCH<br>831.6 MHz |             | SCC MCH<br>841.5 MHz |             |         |
|                 |                  | Value(Hz)            | Limits (Hz) | Value(Hz)            | Limits (Hz) |         |
| 3.91            | -30              | -5.18                | ±2079       | 0.77                 | ±2103.75    | Pass    |
|                 | -20              | -15.52               |             | 0.77                 |             |         |
|                 | -10              | -7.78                |             | -7.54                |             |         |
|                 | 0                | -7.55                |             | -2.72                |             |         |
|                 | 10               | -0.63                |             | -2.7                 |             |         |
|                 | 20               | -4.79                |             | -4.36                |             |         |
|                 | 25               | 1.4                  |             | -1.49                |             |         |
|                 | 30               | -2.83                |             | -4.84                |             |         |
|                 | 40               | 3.32                 |             | -0.6                 |             |         |
|                 | 50               | 2.27                 |             | -0.66                |             |         |
|                 | 55               | -2.93                |             | -1.37                |             |         |
| 4.5             | 25               | 1.7                  |             | -6.97                |             |         |
| 3.45            | 25               | -10.97               |             | -0.76                |             |         |

CA\_7C QPSK 20MHz+10MHz

| Test Conditions |                  | Frequency Deviation   |             |                       |             | Verdict |
|-----------------|------------------|-----------------------|-------------|-----------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | PCC MCH<br>2530.1 MHz |             | SCC MCH<br>2544.5 MHz |             |         |
|                 |                  | Value(Hz)             | Limits (Hz) | Value(Hz)             | Limits (Hz) |         |
| 3.87            | -30              | 1.66                  | ±6,325.25   | 1.09                  | ±6,361.25   | Pass    |
|                 | -20              | 0.59                  |             | -2.96                 |             |         |
|                 | -10              | 7.78                  |             | -9.56                 |             |         |
|                 | 0                | -4.02                 |             | 6.39                  |             |         |
|                 | 10               | 3.23                  |             | 3.81                  |             |         |
|                 | 20               | 1.46                  |             | -6.15                 |             |         |
|                 | 25               | 1.09                  |             | 4.33                  |             |         |
|                 | 30               | 6.24                  |             | -2.92                 |             |         |
|                 | 40               | 1.22                  |             | -10.5                 |             |         |
|                 | 50               | 2.37                  |             | -5.29                 |             |         |
|                 | 55               | -1.36                 | -3.6        |                       |             |         |
| 4.48            | 25               | -1.39                 |             | -7.28                 |             |         |
| 3.45            | 25               | 6.88                  |             | 3.15                  |             |         |

CA\_7C 16QAM 20MHz+10MHz

| Test Conditions |                  | Frequency Deviation   |             |                       |             | Verdict |
|-----------------|------------------|-----------------------|-------------|-----------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | PCC MCH<br>2530.1 MHz |             | SCC MCH<br>2544.5 MHz |             |         |
|                 |                  | Value(Hz)             | Limits (Hz) | Value(Hz)             | Limits (Hz) |         |
| 3.87            | -30              | -2.63                 | ±6,325.25   | -3.19                 | ±6,361.25   | Pass    |
|                 | -20              | -12.27                |             | -2.13                 |             |         |
|                 | -10              | 2.93                  |             | -0.27                 |             |         |
|                 | 0                | 1.04                  |             | -4.02                 |             |         |
|                 | 10               | 2.05                  |             | 2.3                   |             |         |
|                 | 20               | 1.03                  |             | 1.22                  |             |         |
|                 | 25               | -1.36                 |             | 0.34                  |             |         |
|                 | 30               | -9.56                 |             | 2.23                  |             |         |
|                 | 40               | -8.23                 |             | 2.83                  |             |         |
|                 | 50               | -10.93                |             | 9.24                  |             |         |
|                 | 55               | -2.35                 | -1.24       |                       |             |         |
| 4.48            | 25               | -13.42                |             | 8.81                  |             |         |
| 3.45            | 25               | 2.83                  |             | 11.39                 |             |         |

CA\_7C QPSK 20MHz+20MHz

| Test Conditions |                  | Frequency Deviation   |             |                       |             | Verdict |
|-----------------|------------------|-----------------------|-------------|-----------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | PCC MCH<br>2525.1 MHz |             | SCC MCH<br>2544.9 MHz |             |         |
|                 |                  | Value(Hz)             | Limits (Hz) | Value(Hz)             | Limits (Hz) |         |
| 3.87            | -30              | 1.4                   | ±6,312.75   | -4.08                 | ±6,362.25   | Pass    |
|                 | -20              | 0.89                  |             | -8.84                 |             |         |
|                 | -10              | -11.94                |             | -2.63                 |             |         |
|                 | 0                | -9.54                 |             | -4.85                 |             |         |
|                 | 10               | 1.06                  |             | 1.17                  |             |         |
|                 | 20               | -8.05                 |             | 0.11                  |             |         |
|                 | 25               | 5.48                  |             | -6.77                 |             |         |
|                 | 30               | -5.68                 |             | 4.29                  |             |         |
|                 | 40               | -8.77                 |             | -7.7                  |             |         |
|                 | 50               | 1.46                  |             | -0.39                 |             |         |
|                 | 55               | 5.84                  | -1.16       |                       |             |         |
| 4.48            | 25               | -6.94                 |             | -1.02                 |             |         |
| 3.45            | 25               | -10.36                |             | -9.26                 |             |         |

CA\_7C 16QAM 20MHz+20MHz

| Test Conditions |                  | Frequency Deviation   |             |                       |             | Verdict |
|-----------------|------------------|-----------------------|-------------|-----------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | PCC MCH<br>2525.1 MHz |             | SCC MCH<br>2544.9 MHz |             |         |
|                 |                  | Value(Hz)             | Limits (Hz) | Value(Hz)             | Limits (Hz) |         |
| 3.87            | -30              | -6.19                 | ±6,312.75   | -13.09                | ±6,362.25   | Pass    |
|                 | -20              | 2.89                  |             | 3.38                  |             |         |
|                 | -10              | -9                    |             | 1.24                  |             |         |
|                 | 0                | -3.4                  |             | -1.14                 |             |         |
|                 | 10               | 0.8                   |             | -0.66                 |             |         |
|                 | 20               | -4.99                 |             | 2.07                  |             |         |
|                 | 25               | 1.54                  |             | -4.65                 |             |         |
|                 | 30               | -3.6                  |             | 0.97                  |             |         |
|                 | 40               | -10.49                |             | -3.13                 |             |         |
|                 | 50               | -7.57                 |             | -3.25                 |             |         |
|                 | 55               | -0.8                  |             | 3.35                  |             |         |
| 4.48            | 25               | -5.25                 |             | -5.06                 |             |         |
| 3.45            | 25               | -6.47                 |             | -14.78                |             |         |

## CA\_38C QPSK 15MHz+15MHz

| Test Conditions |                  | Frequency Deviation   |             |                       |             | Verdict |
|-----------------|------------------|-----------------------|-------------|-----------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | PCC MCH<br>2587.5 MHz |             | SCC MCH<br>2602.5 MHz |             |         |
|                 |                  | Value(Hz)             | Limits (Hz) | Value(Hz)             | Limits (Hz) |         |
| 3.91            | -30              | -7.17                 | ±6,468.75   | -5.11                 | ±6,506.25   | Pass    |
|                 | -20              | -5.66                 |             | -7.38                 |             |         |
|                 | -10              | -6.11                 |             | -6.27                 |             |         |
|                 | 0                | -5.32                 |             | -4.51                 |             |         |
|                 | 10               | -5.38                 |             | -5.71                 |             |         |
|                 | 20               | -5.36                 |             | -6.47                 |             |         |
|                 | 25               | -5.74                 |             | -2.86                 |             |         |
|                 | 30               | -5.18                 |             | -2.4                  |             |         |
|                 | 40               | -7.35                 |             | -5.04                 |             |         |
|                 | 50               | -7.28                 |             | -6.88                 |             |         |
|                 | 55               | -7.04                 | -5.01       |                       |             |         |
| 4.5             | 25               | -4.51                 |             | -5.88                 |             |         |
| 3.45            | 25               | -6.61                 |             | -6.51                 |             |         |

## CA\_38C 16QAM 15MHz+15MHz

| Test Conditions |                  | Frequency Deviation   |             |                       |             | Verdict |
|-----------------|------------------|-----------------------|-------------|-----------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | PCC MCH<br>2587.5 MHz |             | SCC MCH<br>2602.5 MHz |             |         |
|                 |                  | Value(Hz)             | Limits (Hz) | Value(Hz)             | Limits (Hz) |         |
| 3.91            | -30              | -8.93                 | ±6,468.75   | -3.73                 | ±6,506.25   | Pass    |
|                 | -20              | -7.21                 |             | -4.09                 |             |         |
|                 | -10              | -9                    |             | -2.92                 |             |         |
|                 | 0                | -10.79                |             | -2.17                 |             |         |
|                 | 10               | -9.93                 |             | -3.83                 |             |         |
|                 | 20               | -10.34                |             | -3.88                 |             |         |
|                 | 25               | -10.29                |             | -2.96                 |             |         |
|                 | 30               | -9.56                 |             | -5.51                 |             |         |
|                 | 40               | -9.87                 |             | -4.29                 |             |         |
|                 | 50               | -8.31                 |             | -2.37                 |             |         |
| 55              | -9.96            | -2.85                 |             |                       |             |         |
| 4.5             | 25               | -8.63                 |             | -3.6                  |             |         |
| 3.45            | 25               | -8.97                 |             | -3.39                 |             |         |

## CA\_38C QPSK 20MHz+20MHz

| Test Conditions |                  | Frequency Deviation   |             |                       |             | Verdict |
|-----------------|------------------|-----------------------|-------------|-----------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | PCC MCH<br>2585.1 MHz |             | SCC MCH<br>2604.9 MHz |             |         |
|                 |                  | Value(Hz)             | Limits (Hz) | Value(Hz)             | Limits (Hz) |         |
| 3.91            | -30              | -7.51                 | ±6,462.75   | -6.9                  | ±6,512.25   | Pass    |
|                 | -20              | -6.27                 |             | -5.72                 |             |         |
|                 | -10              | -5.74                 |             | -6.08                 |             |         |
|                 | 0                | -5.64                 |             | -5.79                 |             |         |
|                 | 10               | -6.19                 |             | -5.49                 |             |         |
|                 | 20               | -7.41                 |             | -4.48                 |             |         |
|                 | 25               | -7                    |             | -5.31                 |             |         |
|                 | 30               | -7.64                 |             | -4.85                 |             |         |
|                 | 40               | -4.65                 |             | -6.01                 |             |         |
|                 | 50               | -8.93                 |             | -5.52                 |             |         |
|                 | 55               | -5.91                 | -6.52       |                       |             |         |
| 4.5             | 25               | -7.31                 |             | -5.68                 |             |         |
| 3.45            | 25               | -7.17                 |             | -4.98                 |             |         |

## CA\_38C 16QAM 20MHz+20MHz

| Test Conditions |                  | Frequency Deviation   |             |                       |             | Verdict |
|-----------------|------------------|-----------------------|-------------|-----------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | PCC MCH<br>2585.1 MHz |             | SCC MCH<br>2604.9 MHz |             |         |
|                 |                  | Value(Hz)             | Limits (Hz) | Value(Hz)             | Limits (Hz) |         |
| 3.91            | -30              | -7.72                 | ±6,462.75   | -7.05                 | ±6,512.25   | Pass    |
|                 | -20              | -8.57                 |             | -3.75                 |             |         |
|                 | -10              | -7.77                 |             | -4.36                 |             |         |
|                 | 0                | -8.58                 |             | -5.21                 |             |         |
|                 | 10               | -7.84                 |             | -4.06                 |             |         |
|                 | 20               | -8.21                 |             | -4.18                 |             |         |
|                 | 25               | -6.67                 |             | -2.85                 |             |         |
|                 | 30               | -6.44                 |             | -5.12                 |             |         |
|                 | 40               | -7.45                 |             | -4.65                 |             |         |
|                 | 50               | -7.71                 |             | -2.66                 |             |         |
|                 | 55               | -5.84                 | -4.85       |                       |             |         |
| 4.5             | 25               | -6.41                 |             | -4.92                 |             |         |
| 3.45            | 25               | -8.64                 |             | -4.22                 |             |         |

## CA\_41C QPSK 20MHz+5MHz

| Test Conditions |                  | Frequency Deviation   |             |                       |             | Verdict |
|-----------------|------------------|-----------------------|-------------|-----------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | PCC MCH<br>2590.5 MHz |             | SCC MCH<br>2602.2 MHz |             |         |
|                 |                  | Value(Hz)             | Limits (Hz) | Value(Hz)             | Limits (Hz) |         |
| 3.91            | -30              | -4.62                 | ±6,476.25   | -1.92                 | ±6,505.5    | Pass    |
|                 | -20              | -2.65                 |             | -2.12                 |             |         |
|                 | -10              | -2.9                  |             | -4.63                 |             |         |
|                 | 0                | -5.29                 |             | -2.73                 |             |         |
|                 | 10               | -6.08                 |             | -5.44                 |             |         |
|                 | 20               | -3.19                 |             | -5.94                 |             |         |
|                 | 25               | -2.36                 |             | -4.03                 |             |         |
|                 | 30               | -4.12                 |             | -5.68                 |             |         |
|                 | 40               | -2.09                 |             | -8.3                  |             |         |
|                 | 50               | -5.22                 |             | -7.48                 |             |         |
|                 | 55               | -8.45                 | -4.31       |                       |             |         |
| 4.5             | 25               | -3.52                 |             | -4.43                 |             |         |
| 3.45            | 25               | -6.92                 |             | -4.98                 |             |         |

## CA\_41C 16QAM 20MHz+5MHz

| Test Conditions |                  | Frequency Deviation   |             |                       |             | Verdict |
|-----------------|------------------|-----------------------|-------------|-----------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | PCC MCH<br>2590.5 MHz |             | SCC MCH<br>2602.2 MHz |             |         |
|                 |                  | Value(Hz)             | Limits (Hz) | Value(Hz)             | Limits (Hz) |         |
| 3.91            | -30              | -2.39                 | ±6,476.25   | -7.77                 | ±6,505.5    | Pass    |
|                 | -20              | -4.94                 |             | -5.55                 |             |         |
|                 | -10              | -5.58                 |             | -5.25                 |             |         |
|                 | 0                | -4.45                 |             | -4.65                 |             |         |
|                 | 10               | -5.72                 |             | -4.22                 |             |         |
|                 | 20               | -6.77                 |             | -5.24                 |             |         |
|                 | 25               | -6.62                 |             | -2.83                 |             |         |
|                 | 30               | -8.58                 |             | -8.03                 |             |         |
|                 | 40               | -8.37                 |             | -8.83                 |             |         |
|                 | 50               | -6.14                 |             | -4.38                 |             |         |
|                 | 55               | -4.35                 | -4.82       |                       |             |         |
| 4.5             | 25               | -4.92                 |             | -6.98                 |             |         |
| 3.45            | 25               | -3.75                 |             | -5.25                 |             |         |

## CA\_41C QPSK 20MHz+20MHz

| Test Conditions |                  | Frequency Deviation   |             |                       |             | Verdict |
|-----------------|------------------|-----------------------|-------------|-----------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | PCC MCH<br>2583.1 MHz |             | SCC MCH<br>2602.9 MHz |             |         |
|                 |                  | Value(Hz)             | Limits (Hz) | Value(Hz)             | Limits (Hz) |         |
| 3.91            | -30              | -5.68                 | ±6,457.75   | -6.35                 | ±6,507.25   | Pass    |
|                 | -20              | -4.65                 |             | -3.46                 |             |         |
|                 | -10              | -5.76                 |             | -3.91                 |             |         |
|                 | 0                | -5.42                 |             | -2.92                 |             |         |
|                 | 10               | -5.21                 |             | -3.38                 |             |         |
|                 | 20               | -4.19                 |             | -5.91                 |             |         |
|                 | 25               | -5.28                 |             | -2.32                 |             |         |
|                 | 30               | -6.81                 |             | -3.81                 |             |         |
|                 | 40               | -4.53                 |             | -4.82                 |             |         |
|                 | 50               | -4.34                 |             | -6.24                 |             |         |
|                 | 55               | -3.56                 | -5.65       |                       |             |         |
| 4.5             | 25               | -6.34                 |             | -6.32                 |             |         |
| 3.45            | 25               | -4.96                 |             | -4.35                 |             |         |

## CA\_41C 16QAM 20MHz+20MHz

| Test Conditions |                  | Frequency Deviation   |             |                       |             | Verdict |
|-----------------|------------------|-----------------------|-------------|-----------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | PCC MCH<br>2583.1 MHz |             | SCC MCH<br>2602.9 MHz |             |         |
|                 |                  | Value(Hz)             | Limits (Hz) | Value(Hz)             | Limits (Hz) |         |
| 3.91            | -30              | -8.4                  | ±6,457.75   | -4.79                 | ±6,507.25   | Pass    |
|                 | -20              | -7.77                 |             | -5.12                 |             |         |
|                 | -10              | -5.18                 |             | -5.41                 |             |         |
|                 | 0                | -9.43                 |             | -5.51                 |             |         |
|                 | 10               | -6.87                 |             | -7.95                 |             |         |
|                 | 20               | -6.55                 |             | -5.62                 |             |         |
|                 | 25               | -8.51                 |             | -5.45                 |             |         |
|                 | 30               | -8.03                 |             | -4.65                 |             |         |
|                 | 40               | -5.71                 |             | -5.26                 |             |         |
|                 | 50               | -5.25                 |             | -4.28                 |             |         |
|                 | 55               | -5.95                 | -4.95       |                       |             |         |
| 4.5             | 25               | -9                    |             | -7.67                 |             |         |
| 3.45            | 25               | -5.38                 |             | -6.82                 |             |         |

## 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-SZ2461151-501 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 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 Channel | Modulation | PCC RB |        | SCC RB |        | Verdict <sup>Note3</sup> |
|--------------|------------|--------|--------|--------|--------|--------------------------|
|              |            | Size   | Offset | Size   | Offset |                          |
| CA_2C        |            |        |        |        |        |                          |
| 20MHz+5MHz   |            |        |        |        |        |                          |
| Low          | QPSK       | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 100    | 0      | 25     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 100    | 0      | 25     | 0      | Pass                     |
| Mid          | QPSK       | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 100    | 0      | 25     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 100    | 0      | 25     | 0      | Pass                     |
| High         | QPSK       | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 100    | 0      | 25     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 100    | 0      | 25     | 0      | Pass                     |
| 20MHz+20MHz  |            |        |        |        |        |                          |
| Low          | QPSK       | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
| Mid          | QPSK       | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
| High         | QPSK       | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |

| Test Channel | Modulation | PCC RB |        | SCC RB |        | Verdict <sup>Note3</sup> |
|--------------|------------|--------|--------|--------|--------|--------------------------|
|              |            | Size   | Offset | Size   | Offset |                          |
| CA_5B        |            |        |        |        |        |                          |
| 10MHz+5MHz   |            |        |        |        |        |                          |
| Low          | QPSK       | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 50     | 0      | 25     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 50     | 0      | 25     | 0      | Pass                     |
| Mid          | QPSK       | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 50     | 0      | 25     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 50     | 0      | 25     | 0      | Pass                     |
| High         | QPSK       | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 50     | 0      | 25     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 50     | 0      | 25     | 0      | Pass                     |
| 10MHz+10MHz  |            |        |        |        |        |                          |
| Low          | QPSK       | 1      | 0      | 1      | 49     | Pass                     |
|              |            | 50     | 0      | 50     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 49     | Pass                     |
|              |            | 50     | 0      | 50     | 0      | Pass                     |
| Mid          | QPSK       | 1      | 0      | 1      | 49     | Pass                     |
|              |            | 50     | 0      | 50     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 49     | Pass                     |
|              |            | 50     | 0      | 50     | 0      | Pass                     |
| High         | QPSK       | 1      | 0      | 1      | 49     | Pass                     |
|              |            | 50     | 0      | 50     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 49     | Pass                     |
|              |            | 50     | 0      | 50     | 0      | Pass                     |



| Test Channel | Modulation | PCC RB |        | SCC RB |        | Verdict <sup>Note3</sup> |
|--------------|------------|--------|--------|--------|--------|--------------------------|
|              |            | Size   | Offset | Size   | Offset |                          |
| CA_7C        |            |        |        |        |        |                          |
| 20MHz+10MHz  |            |        |        |        |        |                          |
| Low          | QPSK       | 1      | 0      | 1      | 49     | Pass                     |
|              |            | 100    | 0      | 50     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 49     | Pass                     |
|              |            | 100    | 0      | 50     | 0      | Pass                     |
| Mid          | QPSK       | 1      | 0      | 1      | 49     | Pass                     |
|              |            | 100    | 0      | 50     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 49     | Pass                     |
|              |            | 100    | 0      | 50     | 0      | Pass                     |
| High         | QPSK       | 1      | 0      | 1      | 49     | Pass                     |
|              |            | 100    | 0      | 50     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 49     | Pass                     |
|              |            | 100    | 0      | 50     | 0      | Pass                     |
| 20MHz+20MHz  |            |        |        |        |        |                          |
| Low          | QPSK       | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
| Mid          | QPSK       | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
| High         | QPSK       | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |

| Test Channel | Modulation | PCC RB |        | SCC RB |        | Verdict <sup>Note3</sup> |
|--------------|------------|--------|--------|--------|--------|--------------------------|
|              |            | Size   | Offset | Size   | Offset |                          |
| CA_38C       |            |        |        |        |        |                          |
| 15MHz+15MHz  |            |        |        |        |        |                          |
| Low          | QPSK       | 1      | 0      | 1      | 74     | Pass                     |
|              |            | 75     | 0      | 75     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 74     | Pass                     |
|              |            | 75     | 0      | 75     | 0      | Pass                     |
| Mid          | QPSK       | 1      | 0      | 1      | 74     | Pass                     |
|              |            | 75     | 0      | 75     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 74     | Pass                     |
|              |            | 75     | 0      | 75     | 0      | Pass                     |
| High         | QPSK       | 1      | 0      | 1      | 74     | Pass                     |
|              |            | 75     | 0      | 75     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 74     | Pass                     |
|              |            | 75     | 0      | 75     | 0      | Pass                     |
| 20MHz+20MHz  |            |        |        |        |        |                          |
| Low          | QPSK       | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
| Mid          | QPSK       | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
| High         | QPSK       | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |

| Test Channel | Modulation | PCC RB |        | SCC RB |        | Verdict <sup>Note3</sup> |
|--------------|------------|--------|--------|--------|--------|--------------------------|
|              |            | Size   | Offset | Size   | Offset |                          |
| CA_41C       |            |        |        |        |        |                          |
| 20MHz+5MHz   |            |        |        |        |        |                          |
| Low          | QPSK       | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 100    | 0      | 25     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 100    | 0      | 25     | 0      | Pass                     |
| Mid          | QPSK       | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 100    | 0      | 25     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 100    | 0      | 25     | 0      | Pass                     |
| High         | QPSK       | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 100    | 0      | 25     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 100    | 0      | 25     | 0      | Pass                     |
| 20MHz+20MHz  |            |        |        |        |        |                          |
| Low          | QPSK       | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
| Mid          | QPSK       | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
| High         | QPSK       | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |

## A.6 Band Edge

Note 1: Test plots please refer to the document “Annex No.:BL-SZ2461151-501 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<br>(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             |

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

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

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



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

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Verdict<br>Note1 |
|-----------|----------------|--------------|-----------|-----------------------|------------------|
| Band 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 Channel | Modulation | PCC RB |        | SCC RB |        | Verdict <sup>Note1</sup> |
|--------------|------------|--------|--------|--------|--------|--------------------------|
|              |            | Size   | Offset | Size   | Offset |                          |
| CA_2C        |            |        |        |        |        |                          |
| 20MHz+5MHz   |            |        |        |        |        |                          |
| Low          | QPSK       | 1      | 0      | 1      | 0      | Pass                     |
|              |            | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 100    | 0      | 25     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 0      | Pass                     |
|              |            | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 100    | 0      | 25     | 0      | Pass                     |
| High         | QPSK       | 1      | 99     | 1      | 24     | Pass                     |
|              |            | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 100    | 0      | 25     | 0      | Pass                     |
|              | 16-QAM     | 1      | 99     | 1      | 24     | Pass                     |
|              |            | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 100    | 0      | 25     | 0      | Pass                     |
| 20MHz+20MHz  |            |        |        |        |        |                          |
| Low          | QPSK       | 1      | 0      | 1      | 0      | Pass                     |
|              |            | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 0      | Pass                     |
|              |            | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
| High         | QPSK       | 1      | 99     | 1      | 99     | Pass                     |
|              |            | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
|              | 16-QAM     | 1      | 99     | 1      | 99     | Pass                     |
|              |            | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |

| Test Channel | Modulation | PCC RB |        | SCC RB |        | Verdict <sup>Note1</sup> |
|--------------|------------|--------|--------|--------|--------|--------------------------|
|              |            | Size   | Offset | Size   | Offset |                          |
| CA_5B        |            |        |        |        |        |                          |
| 10MHz+5MHz   |            |        |        |        |        |                          |
| Low          | QPSK       | 1      | 0      | 1      | 0      | Pass                     |
|              |            | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 50     | 0      | 25     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 0      | Pass                     |
|              |            | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 50     | 0      | 25     | 0      | Pass                     |
| High         | QPSK       | 1      | 49     | 1      | 24     | Pass                     |
|              |            | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 50     | 0      | 25     | 0      | Pass                     |
|              | 16-QAM     | 1      | 49     | 1      | 24     | Pass                     |
|              |            | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 50     | 0      | 25     | 0      | Pass                     |
| 10MHz+10MHz  |            |        |        |        |        |                          |
| Low          | QPSK       | 1      | 0      | 1      | 0      | Pass                     |
|              |            | 1      | 0      | 1      | 49     | Pass                     |
|              |            | 50     | 0      | 50     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 0      | Pass                     |
|              |            | 1      | 0      | 1      | 49     | Pass                     |
|              |            | 50     | 0      | 50     | 0      | Pass                     |
| High         | QPSK       | 1      | 49     | 1      | 49     | Pass                     |
|              |            | 1      | 0      | 1      | 49     | Pass                     |
|              |            | 50     | 0      | 50     | 0      | Pass                     |
|              | 16-QAM     | 1      | 49     | 1      | 49     | Pass                     |
|              |            | 1      | 0      | 1      | 49     | Pass                     |
|              |            | 50     | 0      | 50     | 0      | Pass                     |

| Test Channel | Modulation | PCC RB |        | SCC RB |        | Verdict <sup>Note1</sup> |
|--------------|------------|--------|--------|--------|--------|--------------------------|
|              |            | Size   | Offset | Size   | Offset |                          |
| CA_7C        |            |        |        |        |        |                          |
| 20MHz+10MHz  |            |        |        |        |        |                          |
| Low          | QPSK       | 1      | 0      | 1      | 0      | Pass                     |
|              |            | 1      | 0      | 1      | 49     | Pass                     |
|              |            | 100    | 0      | 50     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 0      | Pass                     |
|              |            | 1      | 0      | 1      | 49     | Pass                     |
|              |            | 100    | 0      | 50     | 0      | Pass                     |
| High         | QPSK       | 1      | 0      | 1      | 49     | Pass                     |
|              |            | 1      | 99     | 1      | 49     | Pass                     |
|              |            | 100    | 0      | 50     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 49     | Pass                     |
|              |            | 1      | 99     | 1      | 49     | Pass                     |
|              |            | 100    | 0      | 50     | 0      | Pass                     |
| 20MHz+20MHz  |            |        |        |        |        |                          |
| Low          | QPSK       | 1      | 0      | 1      | 0      | Pass                     |
|              |            | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 0      | Pass                     |
|              |            | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
| High         | QPSK       | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 1      | 99     | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 1      | 99     | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |

| Test Channel | Modulation | PCC RB |        | SCC RB |        | Verdict <sup>Note1</sup> |
|--------------|------------|--------|--------|--------|--------|--------------------------|
|              |            | Size   | Offset | Size   | Offset |                          |
| CA_38C       |            |        |        |        |        |                          |
| 15MHz+15MHz  |            |        |        |        |        |                          |
| Low          | QPSK       | 1      | 0      | 1      | 0      | Pass                     |
|              |            | 1      | 0      | 1      | 74     | Pass                     |
|              |            | 75     | 0      | 75     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 0      | Pass                     |
|              |            | 1      | 0      | 1      | 74     | Pass                     |
|              |            | 75     | 0      | 75     | 0      | Pass                     |
| High         | QPSK       | 1      | 0      | 1      | 74     | Pass                     |
|              |            | 1      | 74     | 1      | 74     | Pass                     |
|              |            | 75     | 0      | 75     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 74     | Pass                     |
|              |            | 1      | 74     | 1      | 74     | Pass                     |
|              |            | 75     | 0      | 75     | 0      | Pass                     |
| 20MHz+20MHz  |            |        |        |        |        |                          |
| Low          | QPSK       | 1      | 0      | 1      | 0      | Pass                     |
|              |            | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 0      | Pass                     |
|              |            | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
| High         | QPSK       | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 1      | 99     | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 1      | 99     | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |

| Test Channel | Modulation | PCC RB |        | SCC RB |        | Verdict <sup>Note1</sup> |
|--------------|------------|--------|--------|--------|--------|--------------------------|
|              |            | Size   | Offset | Size   | Offset |                          |
| CA_41C       |            |        |        |        |        |                          |
| 20MHz+5MHz   |            |        |        |        |        |                          |
| Low          | QPSK       | 1      | 0      | 1      | 0      | Pass                     |
|              |            | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 100    | 0      | 25     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 0      | Pass                     |
|              |            | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 100    | 0      | 25     | 0      | Pass                     |
| High         | QPSK       | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 1      | 99     | 1      | 24     | Pass                     |
|              |            | 100    | 0      | 25     | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 24     | Pass                     |
|              |            | 1      | 99     | 1      | 24     | Pass                     |
|              |            | 100    | 0      | 25     | 0      | Pass                     |
| 20MHz+20MHz  |            |        |        |        |        |                          |
| Low          | QPSK       | 1      | 0      | 1      | 0      | Pass                     |
|              |            | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 0      | Pass                     |
|              |            | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
| High         | QPSK       | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 1      | 99     | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 0      | Pass                     |
|              | 16-QAM     | 1      | 0      | 1      | 99     | Pass                     |
|              |            | 1      | 99     | 1      | 99     | Pass                     |
|              |            | 100    | 0      | 100    | 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-SZ2461151-501 Data Part 5.pdf".

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

### GSM and WCDMA Mode Test Verdict

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

LTE Mode Test Verdict

| Test Band | Test Bandwidth | Test Channel | Verdict<br>Note3 |
|-----------|----------------|--------------|------------------|
| Band 2    | 20 MHz         | MCH          | Pass             |
| Band 4    | 10 MHz         | HCH          | Pass             |
| Band 5    | 10 MHz         | LCH          | Pass             |
| Band 7    | 15 MHz         | LCH          | Pass             |
| Band 38   | 15 MHz         | HCH          | Pass             |
| Band 41   | 20 MHz         | HCH          | Pass             |
| CA_2C     | 5+3 MHz        | LCH+LCH      | Pass             |
| CA_5B     | 15+15 MHz      | LCH+LCH      | Pass             |
| CA_7C     | 15+15 MHz      | LCH+LCH      | Pass             |
| CA_38C    | 15+15 MHz      | HCH+HCH      | Pass             |
| CA_41C    | 20+15 MHz      | HCH+HCH      | Pass             |

## **ANNEX B TEST SETUP PHOTOS**

Please refer to the document “BL-SZ2461151-AR.PDF”.

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer to the document “BL-SZ2461151-AW.PDF”.

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer to the document “BL-SZ2461151-AI.PDF”.

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