

# TEST REPORT

**Applicant:** Realme Chongqing Mobile Telecommunications Corp., Ltd.  
**Address:** No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China  
**Equipment Type:** Mobile Phone  
**Model Name:** RMX3921  
**Brand Name:** realme  
**FCC ID:** 2AUYFRMX3921  
**Test Standard:** 47 CFR Part 2  
(Others refer to chapter 3.1)  
**Sample Arrival Date:** Apr. 28, 2024  
**Test Date:** Apr. 29, 2024 - May 28, 2024  
**Date of Issue:** Jun. 19, 2024

**ISSUED BY:**

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Jiamin Lu

**Checked by:** Wu Huihui

**Approved by:** Tolan Tu  
(Testing Director)



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

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# 1 GENERAL INFORMATION

## 1.1 Test Laboratory

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

## 1.2 Test Location

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

## 2 PRODUCT INFORMATION

### 2.1 Applicant Information

|           |                                                                    |
|-----------|--------------------------------------------------------------------|
| Applicant | Realme Chongqing Mobile Telecommunications Corp., Ltd.             |
| Address   | No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China |

### 2.2 Manufacturer Information

|              |                                                                    |
|--------------|--------------------------------------------------------------------|
| Manufacturer | Realme Chongqing Mobile Telecommunications Corp., Ltd.             |
| Address      | No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China |

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

|                                           |                                                    |
|-------------------------------------------|----------------------------------------------------|
| EUT Name                                  | Mobile Phone                                       |
| Model Name Under Test                     | RMX3921                                            |
| Series Model Name                         | N/A                                                |
| Description of Model name differentiation | N/A                                                |
| Hardware Version                          | 11                                                 |
| Software Version                          | Color OS 14.0.0                                    |
| Dimensions (Approx.)                      | 161.34x73.91x8.23mm                                |
| Weight (Approx.)                          | 190g/187g(with battery)                            |
| EUT ID                                    | S01, S02, S03, S12                                 |
| IMEI Number                               | S01: IMEI1: 860052070018874; IMEI2:860052070018866 |
|                                           | S02: IMEI1: 860052070018890; IMEI2:860052070018882 |
|                                           | S03: IMEI1: 860052070018916; IMEI2:860052070018908 |
|                                           | S12: IMEI1: 860052070019450; IMEI2:860052070019442 |

## 2.4 Technical Information

|                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>All Network and Wireless connectivity for EUT</p>                                                                                                                                                                                                                     | <p>2G Network GSM/GPRS/EDGE 850/1900 MHz<br/>                 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5<br/>                 4G Network LTE FDD Band 2/4/5/7/12/13/17/26/66<br/>                 LTE TDD Band 38/41<br/>                 LTE CA Uplink (UL): CA_7C, CA_38C, CA_41C<br/>                 5G Network<br/>                 SA: NR n5/n7/n38/n41/n66<br/>                 NSA(EN-DC): DC_2A_n66A, DC_5A_n7A, DC_5A_n66A,<br/>                 DC_7A_n5A, DC_7A_n66A, DC_26A_n41A, DC_66A_n5A,<br/>                 DC_66A_n7A<br/>                 Bluetooth (BR+EDR+BLE)<br/>                 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40), VHT20/40 and<br/>                 802.11ax(HE20/40)<br/>                 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80/160) and<br/>                 802.11ax(HE20/40/80/160)<br/>                 U-NII-1/2A/2C/3, GPS, GLONASS, BDS, Galileo, SBAS, NFC</p> |
| <p>About the Product</p>                                                                                                                                                                                                                                                 | <p>The equipment is Mobile Phone, intended for used with information technology equipment.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <p>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 NR. And both SIM card slots share the same transceiver, so only SIM1 is tested in this report.</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| <p>Operating Bands</p> | <p>GSM/GPRS/EGPRS 850/ 1900 MHz<br/>                 WCDMA/HSDPA/HSUPA Band 2/4/5<br/>                 FDD LTE Band 2/4/5/7/12/13/17/26/66<br/>                 LTE TDD Band 38/41<br/>                 CA_7C, CA_38C, CA_41C<br/>                 SA: n5/n7/n38/n41/n66<br/>                 NSA(EN-DC): DC_2A_n66A, DC_5A_n7A, DC_5A_n66A,<br/>                 DC_7A_n5A, DC_7A_n66A, DC_26A_n41A, DC_66A_n5A,<br/>                 DC_66A_n7A</p> |              |
| <p>Modulation Type</p> | <p>GSM/GPRS</p>                                                                                                                                                                                                                                                                                                                                                                                                                                       | <p>GMSK</p>  |
|                        | <p>EGPRS</p>                                                                                                                                                                                                                                                                                                                                                                                                                                          | <p>8PSK</p>  |
|                        | <p>WCDMA</p>                                                                                                                                                                                                                                                                                                                                                                                                                                          | <p>QPSK</p>  |
|                        | <p>HSDPA</p>                                                                                                                                                                                                                                                                                                                                                                                                                                          | <p>QPSK</p>  |
|                        | <p>/HSUPA</p>                                                                                                                                                                                                                                                                                                                                                                                                                                         | <p>16QAM</p> |
|                        | <p>LTE</p>                                                                                                                                                                                                                                                                                                                                                                                                                                            | <p>QPSK</p>  |
|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <p>16QAM</p> |

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                 |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
|                                    | NR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM<br>DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM |
| Multislot Class                    | GPRS/EGPRS: 33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                 |
| Antenna Type                       | IFA Antenna                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                 |
| Antenna Gain                       | GSM/GPRS/EGPRS 850: -7.0 dBi(ANT0), -7.6 dBi(ANT1)<br>GSM/GPRS/EGPRS 1900: -4.7 dBi(ANT0), -6.1 dBi(ANT1)<br>WCDMA/HSDPA/HSUPA Band 2: -4.7 dBi(ANT0), -6.1 dBi(ANT1)<br>WCDMA/HSDPA/HSUPA Band 4: -4.5 dBi(ANT0), -4.9 dBi(ANT1)<br>WCDMA/HSDPA/HSUPA Band 5: -7.0 dBi(ANT0), -7.6 dBi(ANT1)<br>LTE Band 2: -4.7 dBi(ANT0), -6.1 dBi(ANT1), -2.2 dBi(ANT4)<br>LTE Band 4: -4.5 dBi(ANT0), -4.9 dBi(ANT1), -4.8 dBi(ANT4)<br>LTE Band 5: -7.0 dBi(ANT0), -7.6 dBi(ANT1)<br>LTE Band 7: -1.1 dBi(ANT0), -0.8 dBi(ANT1), -4.0 dBi(ANT4)<br>LTE Band 12: -7.7 dBi(ANT0), -7.7 dBi(ANT1)<br>LTE Band 13: -7.6 dBi(ANT0), -8.2 dBi(ANT1)<br>LTE Band 17: -7.7 dBi(ANT0), -7.7 dBi(ANT1)<br>LTE Band 26: -7.0 dBi(ANT0), -7.6 dBi(ANT1)<br>LTE Band 66: -4.5 dBi(ANT0), -4.9 dBi(ANT1), -4.8 dBi(ANT4)<br>LTE Band 38: -1.6 dBi(ANT0), -1.1 dBi(ANT1), -3.9 dBi(ANT4)<br>LTE Band 41: -1.1 dBi(ANT0), -1.0 dBi(ANT1), -3.1 dBi(ANT4)<br>NR Band n5: -7.0 dBi(ANT0), -7.6 dBi(ANT1)<br>NR Band n7: -1.1 dBi(ANT0), -0.8 dBi(ANT1), -4.0 dBi(ANT4)<br>NR Band n66: -4.5 dBi(ANT0), -4.9 dBi(ANT1), -4.8 dBi(ANT4)<br>NR Band n38: -1.6 dBi(ANT0), -1.1 dBi(ANT1), -3.9 dBi(ANT4)<br>NR Band n41: -1.1 dBi(ANT0), -1.0 dBi(ANT1), -3.1 dBi(ANT4) |                                                                                                 |
| The Max RF Output Power (EIRP/ERP) | GSM/GPRS/EGPRS 850: 23.79 dBm<br>GSM/GPRS/EGPRS 1900: 25.31 dBm<br>WCDMA/HSDPA/HSUPA Band 2: 17.89 dBm<br>WCDMA/HSDPA/HSUPA Band 4: 18.33 dBm<br>WCDMA/HSDPA/HSUPA Band 5: 14.14 dBm<br>FDD LTE Band 2: 19.97 dBm<br>FDD LTE Band 4: 17.81 dBm<br>FDD LTE Band 5: 14.36 dBm<br>FDD LTE Band 7: 21.19 dBm<br>FDD LTE Band 12: 13.34 dBm<br>FDD LTE Band 13: 13.58 dBm<br>FDD LTE Band 17: 13.32 dBm<br>FDD LTE Band 26 (part22): 14.23 dBm<br>FDD LTE Band 26 (part90): 14.16 dBm<br>TDD LTE Band 38: 21.30 dBm<br>TDD LTE Band 41: 23.22 dBm<br>FDD LTE Band 66: 18.37 dBm<br>CA_7C: 22.69 dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                 |

|                            |             |      | CA_38C: 22.34 dBm<br>CA_41C: 22.70 dBm<br>FDD NR Band n5: 14.09 dBm<br>FDD NR Band n7: 22.14 dBm<br>FDD NR Band n66: 19.34 dBm<br>TDD NR Band n38: 22.62 dBm<br>TDD NR Band n41: 24.18 dBm<br>DC_2A_n66A: 20.82 dBm<br>DC_5A_n7A: 19.83 dBm<br>DC_5A_n66A: 17.50 dBm<br>DC_7A_n5A: 20.31 dBm<br>DC_7A_n66A: 21.65 dBm<br>DC_26A_n41A: 20.41 dBm<br>DC_66A_n5A: 17.21 dBm<br>DC_66A_n7A: 20.61 dBm |                     |
|----------------------------|-------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| SCS and Channel Bandwidths |             |      | n5_SCS 15kHz: 5 MHz, 10 MHz, 15 MHz, 20 MHz<br>n7_SCS 15kHz: 5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 40 MHz<br>n66_SCS 15kHz: 5 MHz, 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz<br>n38_SCS 30kHz: 20 MHz, 30 MHz, 40 MHz<br>n41_SCS 30kHz: 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz, 100 MHz                                                                             |                     |
| Band                       | Power Class |      | Tx Frequency Range                                                                                                                                                                                                                                                                                                                                                                                | Rx Frequency Range  |
|                            | GMSK        | 8PSK |                                                                                                                                                                                                                                                                                                                                                                                                   |                     |
| GSM850                     | 4           | E2   | 824 MHz ~ 849 MHz                                                                                                                                                                                                                                                                                                                                                                                 | 869 MHz ~ 894 MHz   |
| GSM1900                    | 1           | E2   | 1850 MHz ~ 1910 MHz                                                                                                                                                                                                                                                                                                                                                                               | 1930 MHz ~ 1990 MHz |
| WCDMA B2                   | 3           |      | 1850 MHz ~ 1910 MHz                                                                                                                                                                                                                                                                                                                                                                               | 1930 MHz ~ 1990 MHz |
| WCDMA B4                   | 3           |      | 1710 MHz ~ 1755 MHz                                                                                                                                                                                                                                                                                                                                                                               | 2110 MHz ~ 2155 MHz |
| WCDMA B5                   | 3           |      | 824 MHz ~ 849 MHz                                                                                                                                                                                                                                                                                                                                                                                 | 869 MHz ~ 894 MHz   |
| LTE B2                     | 3           |      | 1850 MHz ~ 1910 MHz                                                                                                                                                                                                                                                                                                                                                                               | 1930 MHz ~ 1990 MHz |
| LTE B4                     | 3           |      | 1710 MHz ~ 1755 MHz                                                                                                                                                                                                                                                                                                                                                                               | 2110 MHz ~ 2155 MHz |
| LTE B5                     | 3           |      | 824 MHz ~ 849 MHz                                                                                                                                                                                                                                                                                                                                                                                 | 869 MHz ~ 894 MHz   |
| LTE B7                     | 3           |      | 2500 MHz ~ 2570 MHz                                                                                                                                                                                                                                                                                                                                                                               | 2620 MHz ~ 2690 MHz |
| LTE B12                    | 3           |      | 699 MHz ~ 716 MHz                                                                                                                                                                                                                                                                                                                                                                                 | 729 MHz ~ 746 MHz   |
| LTE B13                    | 3           |      | 777 MHz ~ 787 MHz                                                                                                                                                                                                                                                                                                                                                                                 | 746 MHz ~ 756 MHz   |
| LTE B17                    | 3           |      | 704 MHz ~ 716 MHz                                                                                                                                                                                                                                                                                                                                                                                 | 734 MHz ~ 746 MHz   |
| LTE B26                    | 3           |      | 814 MHz ~ 849 MHz                                                                                                                                                                                                                                                                                                                                                                                 | 859 MHz ~ 894 MHz   |
| LTE B38                    | 3           |      | 2570 MHz ~ 2620 MHz                                                                                                                                                                                                                                                                                                                                                                               | 2570 MHz ~ 2620 MHz |
| LTE B41                    | 2&3         |      | 2496 MHz ~ 2690 MHz                                                                                                                                                                                                                                                                                                                                                                               | 2496 MHz ~ 2690 MHz |
| LTE B66                    | 3           |      | 1710 MHz ~ 1780 MHz                                                                                                                                                                                                                                                                                                                                                                               | 2110 MHz ~ 2180 MHz |
| NR n5                      | 3           |      | 824 MHz ~ 849 MHz                                                                                                                                                                                                                                                                                                                                                                                 | 869 MHz ~ 894 MHz   |
| NR n7                      | 3           |      | 2500 MHz ~ 2570 MHz                                                                                                                                                                                                                                                                                                                                                                               | 2620 MHz ~ 2690 MHz |
| NR n38                     | 3           |      | 2570 MHz ~ 2620 MHz                                                                                                                                                                                                                                                                                                                                                                               | 2570 MHz ~ 2620 MHz |



|        |     |                     |                     |
|--------|-----|---------------------|---------------------|
| NR n41 | 2&3 | 2496 MHz ~ 2690 MHz | 2496 MHz ~ 2690 MHz |
| NR n66 | 3   | 1710 MHz ~ 1780 MHz | 2110 MHz ~ 2180 MHz |

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

### 3 SUMMARY OF TEST RESULTS

#### 3.1 Test Standards

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

### 3.2 Test Verdict

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

## 4 GENERAL TEST CONFIGURATIONS

### 4.1 Test Environments

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

|                             |                         |                   |
|-----------------------------|-------------------------|-------------------|
| Relative Humidity           |                         | 20% to 75%        |
| Atmospheric Pressure        |                         | 98 kPa to 102 kPa |
| Test Voltage of the EUT     | NV (Normal Voltage)     | 3.8 V             |
|                             | LV (Low Voltage)        | 3.6 V             |
|                             | HV (High Voltage)       | 4.4 V             |
| Test Temperature of the EUT | NT (Normal Temperature) | 15 °C to 35 °C    |
|                             | LT (Low Temperature)    | -30 °C            |
|                             | HT (High Temperature)   | +50 °C            |

### 4.2 Test Equipment List

| Description                          | Manufacturer | Model      | Serial No. | Version       | Cal. Date  | Cal. Due   |
|--------------------------------------|--------------|------------|------------|---------------|------------|------------|
| <b>2/3/4/5G RF Test System</b>       |              |            |            |               |            |            |
| BL410 Test Software                  | BALUN        | BL410R     | N/A        | 3.0.1.536     | N/A        | N/A        |
| UCTS Test Software                   | Anritsu      | UCTS       | N/A        | V 6.21.1105.0 | N/A        | N/A        |
| Temperature Chamber                  | AHK          | SP20       | 1412       | N/A           | 2023-09-11 | 2024-09-10 |
| Universal Radio Communication Tester | R&S          | CMU 200    | 121487     | V5.21         | 2023-12-05 | 2024-12-04 |
| Wideband Radio Communication Tester  | R&S          | CMW 500    | 167190     | V4.0.60       | 2024-05-08 | 2025-05-07 |
| Wideband Radio Communication Tester  | R&S          | CMW 500    | 102318     | V3.2.71       | 2024-05-09 | 2025-05-08 |
| Radio Communication Test Station     | Anritsu      | MT8000A    | 6272449357 | Ver.8.60.4.0  | 2023-10-08 | 2024-10-07 |
| 5G Wireless Test Platform            | Starpoint    | SP9500-CTS | 19220      | C1.0.8.32     | 2023-11-10 | 2024-11-09 |

|                                     |             |             |                    |           |            |            |
|-------------------------------------|-------------|-------------|--------------------|-----------|------------|------------|
| Spectrum Analyzer                   | keysight    | N9020A      | MY50531628         | A.16.09   | 2024-05-08 | 2025-05-07 |
| Spectrum Analyzer                   | R&S         | FSV40       | 101544             | 2.30.SP4  | 2023-12-27 | 2024-12-26 |
| DC Power Supply                     | ITECH       | IT6863A     | 800014020757810006 | N/A       | 2023-08-16 | 2024-08-15 |
| <b>Radiated Test System</b>         |             |             |                    |           |            |            |
| Radiated Test System Test Software  | BALUN       | BL410-E     | N/A                | V22.930   | N/A        | N/A        |
| Wideband Radio Communication Tester | R&S         | CMW 500     | 167190             | V4.0.60   | 2024-05-08 | 2025-05-07 |
| Wideband Radio Communication Tester | R&S         | CMW 500     | 102318             | V3.2.71   | 2024-05-09 | 2025-05-08 |
| 5G Wireless Test Platform           | Starpoint   | SP9500-CTS  | 19220              | C1.0.8.32 | 2023-11-10 | 2024-11-09 |
| Spectrum Analyzer                   | R&S         | FSV40       | 101544             | 2.30.SP4  | 2023-12-27 | 2024-12-26 |
| Test Antenna-Bi-Log(30 MHz-3 GHz)   | Schwarzbeck | VULB 9163   | 9163-624           | N/A       | 2021-08-20 | 2024-08-19 |
| Test Antenna-Horn(1-18 GHz)         | Schwarzbeck | BBHA 9120D  | 01917              | N/A       | 2022-06-09 | 2025-06-08 |
| Test Antenna-Horn(18-40 GHz)        | A-INFO      | LB-180400KF | J211060273         | N/A       | 2021-07-02 | 2024-07-01 |
| Anechoic Chamber                    | YIHENG      | 9m*6m*6m    | 144                | N/A       | 2022-02-09 | 2024-09-03 |
| EMI Receiver                        | Keysight    | N9038A      | MY53220118         | A.14.16   | 2023-09-05 | 2024-09-04 |

### 4.3 Test Configurations

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

| Test Items                           | Test Mode    | Test Channel |     |     |
|--------------------------------------|--------------|--------------|-----|-----|
|                                      |              | LCH          | MCH | HCH |
|                                      | WCDMA Band 4 | v            | v   | v   |
|                                      | WCDMA Band 5 | v            | v   | v   |
| Band Edge                            | GSM 850      | v            | --  | v   |
|                                      | GSM 1900     | v            | --  | v   |
|                                      | EGPRS 850    | v            | --  | v   |
|                                      | EGPRS 1900   | v            | --  | v   |
|                                      | WCDMA Band 2 | v            | --  | v   |
|                                      | WCDMA Band 4 | v            | --  | v   |
|                                      | WCDMA Band 5 | v            | --  | v   |
| Field Strength of Spurious Radiation | GSM 850      | v            | v   | v   |
|                                      | GSM 1900     | v            | v   | v   |
|                                      | EGPRS 850    | v            | v   | v   |
|                                      | EGPRS 1900   | v            | v   | v   |
|                                      | WCDMA Band 2 | v            | v   | v   |
|                                      | WCDMA Band 4 | v            | v   | v   |
|                                      | WCDMA Band 5 | v            | v   | v   |

Note 1: The mark "v" means that this configuration is chosen for testing.

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

| LTE Band                                    | Bandwidth (MHz) |    |    |    |    |    | Modulation Type |        | RB# |      |      | Test Channel |     |     |
|---------------------------------------------|-----------------|----|----|----|----|----|-----------------|--------|-----|------|------|--------------|-----|-----|
|                                             | 1.4             | 3  | 5  | 10 | 15 | 20 | QPSK            | 16-QAM | 1   | Half | Full | LCH          | MCH | HCH |
| <b>Effective (Isotropic) Radiated Power</b> |                 |    |    |    |    |    |                 |        |     |      |      |              |     |     |
| 2                                           | v               | v  | v  | v  | v  | v  | v               | v      | v   | v    | v    | v            | v   | v   |
| 4                                           | v               | v  | v  | v  | v  | v  | v               | v      | v   | v    | v    | v            | v   | v   |
| 5                                           | v               | v  | v  | v  | n  | n  | v               | v      | v   | v    | v    | v            | v   | v   |
| 7                                           | n               | n  | v  | v  | v  | v  | v               | v      | v   | v    | v    | v            | v   | v   |
| 12                                          | v               | v  | v  | v  | n  | n  | v               | v      | v   | v    | v    | v            | v   | v   |
| 13                                          | n               | n  | v  | v  | n  | n  | v               | v      | v   | v    | v    | v            | v   | v   |
| 17                                          | n               | n  | v  | v  | n  | n  | v               | v      | v   | v    | v    | v            | v   | v   |
| 26(Part22)                                  | v               | v  | v  | v  | v  | n  | v               | v      | v   | v    | v    | v            | v   | v   |
| 26(Part90)                                  | v               | v  | v  | v  | -- | n  | v               | v      | v   | v    | v    | v            | v   | v   |
| 38                                          | n               | n  | v  | v  | v  | v  | v               | v      | v   | v    | v    | v            | v   | v   |
| 41                                          | n               | n  | v  | v  | v  | v  | v               | v      | v   | v    | v    | v            | v   | v   |
| 66                                          | v               | v  | v  | v  | v  | v  | v               | v      | v   | v    | v    | v            | v   | v   |
| <b>Peak to Average Ratio</b>                |                 |    |    |    |    |    |                 |        |     |      |      |              |     |     |
| 2                                           | --              | -- | -- | -- | -- | v  | v               | v      | v   | --   | v    | v            | v   | v   |
| 4                                           | --              | -- | -- | -- | -- | v  | v               | v      | v   | --   | v    | v            | v   | v   |
| 5                                           | --              | -- | -- | v  | n  | n  | v               | v      | v   | --   | v    | v            | v   | v   |
| 7                                           | n               | n  | -- | -- | -- | v  | v               | v      | v   | --   | v    | v            | v   | v   |
| 12                                          | --              | -- | -- | v  | n  | n  | v               | v      | v   | --   | v    | v            | v   | v   |
| 13                                          | n               | n  | -- | v  | n  | n  | v               | v      | v   | --   | v    | --           | v   | --  |
| 17                                          | n               | n  | -- | v  | n  | n  | v               | v      | v   | --   | v    | v            | v   | v   |
| 26(Part22)                                  | --              | -- | -- | -- | v  | n  | v               | v      | v   | --   | v    | v            | v   | v   |
| 26(Part90)                                  | --              | -- | -- | v  | -- | n  | v               | v      | v   | --   | v    | --           | v   | --  |
| 38                                          | n               | n  | -- | -- | -- | v  | v               | v      | v   | --   | v    | v            | v   | v   |
| 41                                          | n               | n  | -- | -- | -- | v  | v               | v      | v   | --   | v    | v            | v   | v   |
| 66                                          | --              | -- | -- | -- | -- | v  | v               | v      | v   | --   | v    | v            | v   | v   |
| <b>Occupied Bandwidth</b>                   |                 |    |    |    |    |    |                 |        |     |      |      |              |     |     |
| 2                                           | v               | v  | v  | v  | v  | v  | v               | v      | --  | --   | v    | v            | v   | v   |
| 4                                           | v               | v  | v  | v  | v  | v  | v               | v      | --  | --   | v    | v            | v   | v   |
| 5                                           | v               | v  | v  | v  | n  | n  | v               | v      | --  | --   | v    | v            | v   | v   |
| 7                                           | n               | n  | v  | v  | v  | v  | v               | v      | --  | --   | v    | v            | v   | v   |
| 12                                          | v               | v  | v  | v  | n  | n  | v               | v      | --  | --   | v    | v            | v   | v   |
| 13                                          | n               | n  | v  | v  | n  | n  | v               | v      | --  | --   | v    | v            | v   | v   |
| 17                                          | n               | n  | v  | v  | n  | n  | v               | v      | --  | --   | v    | v            | v   | v   |
| 26(Part22)                                  | v               | v  | v  | v  | v  | n  | v               | v      | --  | --   | v    | v            | v   | v   |
| 26(Part90)                                  | v               | v  | v  | v  | -- | n  | v               | v      | --  | --   | v    | v            | v   | v   |
| 38                                          | n               | n  | v  | v  | v  | v  | v               | v      | --  | --   | v    | v            | v   | v   |
| 41                                          | n               | n  | v  | v  | v  | v  | v               | v      | --  | --   | v    | v            | v   | v   |
| 66                                          | v               | v  | v  | v  | v  | v  | v               | v      | --  | --   | v    | v            | v   | v   |
| <b>Frequency Stability</b>                  |                 |    |    |    |    |    |                 |        |     |      |      |              |     |     |



| LTE Band                                      | Bandwidth (MHz) |    |    |    |    |    | Modulation Type |        | RB# |      |      | Test Channel |     |     |
|-----------------------------------------------|-----------------|----|----|----|----|----|-----------------|--------|-----|------|------|--------------|-----|-----|
|                                               | 1.4             | 3  | 5  | 10 | 15 | 20 | QPSK            | 16-QAM | 1   | Half | Full | LCH          | MCH | HCH |
| 2                                             | --              | -- | -- | v  | -- | -- | v               | v      | --  | --   | v    | --           | v   | --  |
| 4                                             | --              | -- | -- | v  | -- | -- | v               | v      | --  | --   | v    | --           | v   | --  |
| 5                                             | --              | -- | -- | v  | n  | n  | v               | v      | --  | --   | v    | --           | v   | --  |
| 7                                             | n               | n  | -- | v  | -- | -- | v               | v      | --  | --   | v    | --           | v   | --  |
| 12                                            | --              | -- | -- | v  | n  | n  | v               | v      | --  | --   | v    | --           | v   | --  |
| 13                                            | n               | n  | -- | v  | n  | n  | v               | v      | --  | --   | v    | --           | v   | --  |
| 17                                            | n               | n  | -- | v  | n  | n  | v               | v      | --  | --   | v    | --           | v   | --  |
| 26(Part22)                                    | --              | -- | -- | v  | -- | n  | v               | v      | --  | --   | v    | --           | v   | --  |
| 26(Part90)                                    | --              | -- | -- | v  | -- | n  | v               | v      | --  | --   | v    | --           | v   | --  |
| 38                                            | n               | n  | -- | v  | -- | -- | v               | v      | --  | --   | v    | --           | v   | --  |
| 41                                            | n               | n  | -- | v  | -- | -- | v               | v      | --  | --   | v    | --           | v   | --  |
| 66                                            | --              | -- | -- | v  | -- | -- | v               | v      | --  | --   | v    | --           | v   | --  |
| <b>Spurious Emission at Antenna Terminals</b> |                 |    |    |    |    |    |                 |        |     |      |      |              |     |     |
| 2                                             | v               | v  | v  | v  | v  | v  | v               | v      | v   | --   | --   | v            | v   | v   |
| 4                                             | v               | v  | v  | v  | v  | v  | v               | v      | v   | --   | --   | v            | v   | v   |
| 5                                             | v               | v  | v  | v  | n  | n  | v               | v      | v   | --   | --   | v            | v   | v   |
| 7                                             | n               | n  | v  | v  | v  | v  | v               | v      | v   | --   | --   | v            | v   | v   |
| 12                                            | v               | v  | v  | v  | n  | n  | v               | v      | v   | --   | --   | v            | v   | v   |
| 13                                            | n               | n  | v  | v  | n  | n  | v               | v      | v   | --   | --   | v            | v   | v   |
| 17                                            | n               | n  | v  | v  | n  | n  | v               | v      | v   | --   | --   | v            | v   | v   |
| 26(Part22)                                    | v               | v  | v  | v  | v  | n  | v               | v      | v   | --   | --   | v            | v   | v   |
| 26(Part90)                                    | v               | v  | v  | v  | -- | n  | v               | v      | v   | --   | --   | v            | v   | v   |
| 38                                            | n               | n  | v  | v  | v  | v  | v               | v      | v   | --   | --   | v            | v   | v   |
| 41                                            | n               | n  | v  | v  | v  | v  | v               | v      | v   | --   | --   | v            | v   | v   |
| 66                                            | v               | v  | v  | v  | v  | v  | v               | v      | v   | --   | --   | v            | v   | v   |
| <b>Band Edge</b>                              |                 |    |    |    |    |    |                 |        |     |      |      |              |     |     |
| 2                                             | v               | v  | v  | v  | v  | v  | v               | v      | v   | --   | v    | v            | --  | v   |
| 4                                             | v               | v  | v  | v  | v  | v  | v               | v      | v   | --   | v    | v            | --  | v   |
| 5                                             | v               | v  | v  | v  | n  | n  | v               | v      | v   | --   | v    | v            | --  | v   |
| 7                                             | n               | n  | v  | v  | v  | v  | v               | v      | v   | --   | v    | v            | --  | v   |
| 12                                            | v               | v  | v  | v  | n  | n  | v               | v      | v   | --   | v    | v            | --  | v   |
| 13                                            | n               | n  | v  | v  | n  | n  | v               | v      | v   | --   | v    | v            | --  | v   |
| 17                                            | n               | n  | v  | v  | n  | n  | v               | v      | v   | --   | v    | v            | --  | v   |
| 26(Part22)                                    | v               | v  | v  | v  | v  | n  | v               | v      | v   | --   | v    | v            | --  | v   |
| 26(Part90)                                    | v               | v  | v  | v  | -- | n  | v               | v      | v   | --   | v    | v            | --  | v   |
| 38                                            | n               | n  | v  | v  | v  | v  | v               | v      | v   | --   | v    | v            | --  | v   |
| 41                                            | n               | n  | v  | v  | v  | v  | v               | v      | v   | --   | v    | v            | --  | v   |
| 66                                            | v               | v  | v  | v  | v  | v  | v               | v      | v   | --   | v    | v            | --  | v   |
| <b>Field Strength of Spurious Radiation</b>   |                 |    |    |    |    |    |                 |        |     |      |      |              |     |     |
| 2                                             | Worst case      |    |    |    |    |    |                 |        |     |      |      |              |     |     |
| 4                                             | Worst case      |    |    |    |    |    |                 |        |     |      |      |              |     |     |

| LTE Band                                                                  | Bandwidth (MHz) |   |   |    |    |    | Modulation Type |        | RB# |      |      | Test Channel |     |     |
|---------------------------------------------------------------------------|-----------------|---|---|----|----|----|-----------------|--------|-----|------|------|--------------|-----|-----|
|                                                                           | 1.4             | 3 | 5 | 10 | 15 | 20 | QPSK            | 16-QAM | 1   | Half | Full | LCH          | MCH | HCH |
| 5                                                                         | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 7                                                                         | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 12                                                                        | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 13                                                                        | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 17                                                                        | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 26(Part22)                                                                | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 26(Part90)                                                                | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 38                                                                        | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 41                                                                        | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 66                                                                        | Worst case      |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| Note 1: The mark “v” means that this configuration is chosen for testing. |                 |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| Note 2: The mark “n” means that this bandwidth is not supported.          |                 |   |   |    |    |    |                 |        |     |      |      |              |     |     |

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

| Test Mode               | UL Channel   | Channel Bandwidth (MHz) | UL Channel No. | UL Frequency (MHz) |
|-------------------------|--------------|-------------------------|----------------|--------------------|
| 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 12             | Low Range    | 1.4                     | 23017          | 699.7              |
|                         |              | 3                       | 23025          | 700.5              |
|                         |              | 5                       | 23035          | 701.5              |
|                         |              | 10                      | 23060          | 704                |
|                         | Middle Range | 1.4/3/5/10              | 23095          | 707.5              |
|                         | High Range   | 1.4                     | 23173          | 715.3              |
|                         |              | 3                       | 23165          | 714.5              |
|                         |              | 5                       | 23155          | 713.5              |
| 10                      |              | 23130                   | 711            |                    |
| LTE Band 13             | Low Range    | 5                       | 23205          | 779.5              |
|                         |              | 10                      | 23230          | 782                |
|                         | Middle Range | 5/10                    | 23230          | 782                |
|                         | High Range   | 5                       | 23255          | 784.5              |
|                         |              | 10                      | 23230          | 782                |
| LTE Band 17             | Low Range    | 5                       | 23755          | 706.5              |
|                         |              | 10                      | 23780          | 709                |
|                         | Middle Range | 5/10                    | 23790          | 710                |
|                         | High Range   | 5                       | 23825          | 713.5              |
|                         |              | 10                      | 23800          | 711                |
| LTE Band 26<br>(Part90) | Low Range    | 1.4                     | 26697          | 814.7              |
|                         |              | 3                       | 26705          | 815.5              |
|                         |              | 5                       | 26715          | 816.5              |
|                         |              | 10                      | ---            | ---                |

| Test Mode               | UL Channel   | Channel Bandwidth (MHz) | UL Channel No. | UL Frequency (MHz) |
|-------------------------|--------------|-------------------------|----------------|--------------------|
|                         | Middle Range | 1.4/3/5/10              | 26740          | 819                |
|                         | High Range   | 1.4                     | 26783          | 823.3              |
|                         |              | 3                       | 26775          | 822.5              |
|                         |              | 5                       | 26765          | 821.5              |
|                         |              | 10                      | ---            | ---                |
| LTE Band 26<br>(Part22) | Low Range    | 1.4                     | 26797          | 824.7              |
|                         |              | 3                       | 26805          | 825.5              |
|                         |              | 5                       | 26815          | 826.5              |
|                         |              | 10                      | 26840          | 829                |
|                         |              | 15                      | 26865          | 831.5              |
|                         | Middle Range | 1.4/3/5/10/15           | 26915          | 836.5              |
|                         | High Range   | 1.4                     | 27033          | 848.3              |
|                         |              | 3                       | 27025          | 847.5              |
|                         |              | 5                       | 27015          | 846.5              |
|                         |              | 10                      | 26990          | 844                |
|                         |              | 15                      | 26965          | 841.5              |
|                         |              |                         |                |                    |
| LTE-Band 66             | Low Range    | 1.4                     | 131979         | 1710.7             |
|                         |              | 3                       | 131987         | 1711.5             |
|                         |              | 5                       | 131997         | 1712.5             |
|                         |              | 10                      | 132022         | 1715               |
|                         |              | 15                      | 132047         | 1717.5             |
|                         |              | 20                      | 132072         | 1720               |
|                         | Middle Range | 1.4/3/5/10/15/20        | 132322         | 1745               |
|                         | High Range   | 1.4                     | 132665         | 1779.3             |
|                         |              | 3                       | 132657         | 1778.5             |
|                         |              | 5                       | 132647         | 1777.5             |
|                         |              | 10                      | 132622         | 1775               |
|                         |              | 15                      | 132597         | 1772.5             |
|                         |              | 20                      | 132572         | 1770               |
|                         |              |                         |                |                    |
| LTE Band 38             | Low Range    | 5                       | 37775          | 2572.5             |
|                         |              | 10                      | 37800          | 2575               |
|                         |              | 15                      | 37825          | 2577.5             |
|                         |              | 20                      | 37850          | 2580               |
|                         | Middle Range | 5/10/15/20              | 38000          | 2595               |
|                         | High Range   | 5                       | 38225          | 2617.5             |
|                         |              | 10                      | 38200          | 2615               |
|                         |              | 15                      | 38175          | 2612.5             |
|                         |              | 20                      | 38150          | 2610               |
|                         |              |                         |                |                    |
| LTE Band 41             | Low Range    | 5                       | 39675          | 2498.5             |
|                         |              | 10                      | 39700          | 2501               |
|                         |              | 15                      | 39725          | 2503.5             |

| Test Mode | UL Channel   | Channel Bandwidth (MHz) | UL Channel No. | UL Frequency (MHz) |
|-----------|--------------|-------------------------|----------------|--------------------|
|           |              | 20                      | 39750          | 2506               |
|           | Middle Range | 5/10/15/20              | 40620          | 2593               |
|           | High Range   | 5                       | 41565          | 2687.5             |
|           |              | 10                      | 41540          | 2685               |
|           |              | 15                      | 41515          | 2682.5             |
|           |              | 20                      | 41490          | 2680               |

| Test 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 / NRB_agg [RB] | CC1     |                    |                          | CC2     |                    |                          |
|                             |                         | BW [RB] | N <sub>UL/DL</sub> | f <sub>UL/DL</sub> [MHz] | BW [RB] | N <sub>UL/DL</sub> | f <sub>UL/DL</sub> [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 (2496-2690MHz) |                               |            |                    |                             |            |                    |                             |
|--------------------------------------------|-------------------------------|------------|--------------------|-----------------------------|------------|--------------------|-----------------------------|
| 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         | 39683              | 2499.3                      | 100        | 39800              | 2511                        |
|                                            |                               | 100        | 39750              | 2506                        | 25         | 39867              | 2517.7                      |
|                                            | 50+75                         | 50         | 39703              | 2501.3                      | 75         | 39823              | 2513.3                      |
|                                            |                               | 75         | 39725              | 2503.5                      | 50         | 39845              | 2515.5                      |
|                                            | 50+100                        | 50         | 39705              | 2501.5                      | 100        | 39849              | 2515.9                      |
|                                            |                               | 100        | 39750              | 2506                        | 50         | 39894              | 2520.4                      |
|                                            | 75+75                         | 75         | 39725              | 2503.5                      | 75         | 39875              | 2518.5                      |
|                                            | 75+100                        | 75         | 39728              | 2503.8                      | 100        | 39899              | 2520.9                      |
|                                            |                               | 100        | 39750              | 2506                        | 75         | 39921              | 2523.1                      |
|                                            | 100+100                       | 100        | 39750              | 2506                        | 100        | 39948              | 2525.8                      |
| Mid                                        | 25+100                        | 25         | 40528              | 2583.8                      | 100        | 40645              | 2595.5                      |
|                                            |                               | 100        | 40595              | 2590.5                      | 25         | 40712              | 2602.2                      |
|                                            | 50+75                         | 50         | 40549              | 2585.9                      | 75         | 40669              | 2597.9                      |
|                                            |                               | 75         | 40571              | 2588.1                      | 50         | 40691              | 2600.1                      |
|                                            | 50+100                        | 50         | 40526              | 2583.6                      | 100        | 40670              | 2598.0                      |
|                                            |                               | 100        | 40571              | 2588.1                      | 50         | 40715              | 2602.5                      |
|                                            | 75+75                         | 75         | 40545              | 2585.5                      | 75         | 40695              | 2600.5                      |
|                                            | 75+100                        | 75         | 40523              | 2583.3                      | 100        | 40694              | 2600.4                      |
|                                            |                               | 100        | 40546              | 2585.6                      | 75         | 40717              | 2602.7                      |
|                                            | 100+100                       | 100        | 40521              | 2583.1                      | 100        | 40719              | 2602.9                      |
| High                                       | 25+100                        | 25         | 41373              | 2668.3                      | 100        | 41490              | 2680                        |
|                                            |                               | 100        | 41440              | 2675                        | 25         | 41557              | 2686.7                      |
|                                            | 50+75                         | 50         | 41395              | 2670.5                      | 75         | 41515              | 2682.5                      |
|                                            |                               | 75         | 41417              | 2672.7                      | 50         | 41537              | 2684.7                      |
|                                            | 50+100                        | 50         | 41346              | 2665.6                      | 100        | 41490              | 2680                        |
|                                            |                               | 100        | 41391              | 2670.1                      | 50         | 41535              | 2684.5                      |
|                                            | 75+75                         | 75         | 41365              | 2667.5                      | 75         | 41515              | 2682.5                      |
|                                            | 75+100                        | 75         | 41319              | 2662.9                      | 100        | 41490              | 2680                        |
|                                            |                               | 100        | 41341              | 2665.1                      | 75         | 41512              | 2682.2                      |
|                                            | 100+100                       | 100        | 41292              | 2660.2                      | 100        | 41490              | 2680                        |

| Test Mode  | Channel Bandwidth (MHz) | UL Channel   | UL Channel No. | UL Frequency (MHz) |
|------------|-------------------------|--------------|----------------|--------------------|
| NR Band n5 | 5                       | Low Range    | 165300         | 826.5              |
|            |                         | Middle Range | 167300         | 836.5              |
|            |                         | High Range   | 169300         | 846.5              |
|            | 10                      | Low Range    | 165800         | 829                |
|            |                         | Middle Range | 167300         | 836.5              |
|            |                         | High Range   | 168300         | 844                |
|            | 15                      | Low Range    | 166300         | 831.5              |
|            |                         | Middle Range | 167300         | 836.5              |
|            |                         | High Range   | 168300         | 841.5              |
|            | 20                      | Low Range    | 166800         | 834                |
|            |                         | Middle Range | 167300         | 836.5              |
|            |                         | High Range   | 167800         | 839                |

| Test Mode  | Channel Bandwidth (MHz) | UL Channel   | UL Channel No. | UL Frequency (MHz) |
|------------|-------------------------|--------------|----------------|--------------------|
| NR Band n7 | 5                       | Low Range    | 500500         | 2502.5             |
|            |                         | Middle Range | 507000         | 2535               |
|            |                         | High Range   | 513500         | 2567.5             |
|            | 10                      | Low Range    | 501000         | 2505               |
|            |                         | Middle Range | 507000         | 2535               |
|            |                         | High Range   | 513000         | 2565               |
|            | 15                      | Low Range    | 501500         | 2507.5             |
|            |                         | Middle Range | 507000         | 2535               |
|            |                         | High Range   | 512500         | 2562.5             |
|            | 20                      | Low Range    | 502000         | 2510               |
|            |                         | Middle Range | 507000         | 2535               |
|            |                         | High Range   | 512000         | 2560               |
|            | 25                      | Low Range    | 502500         | 2512.5             |
|            |                         | Middle Range | 507000         | 2535               |
|            |                         | High Range   | 511500         | 2557.5             |
|            | 30                      | Low Range    | 503000         | 2515               |
|            |                         | Middle Range | 507000         | 2535               |
|            |                         | High Range   | 511000         | 2555               |
|            | 40                      | Low Range    | 504000         | 2520               |
|            |                         | Middle Range | 507000         | 2535               |
|            |                         | High Range   | 510000         | 2550               |



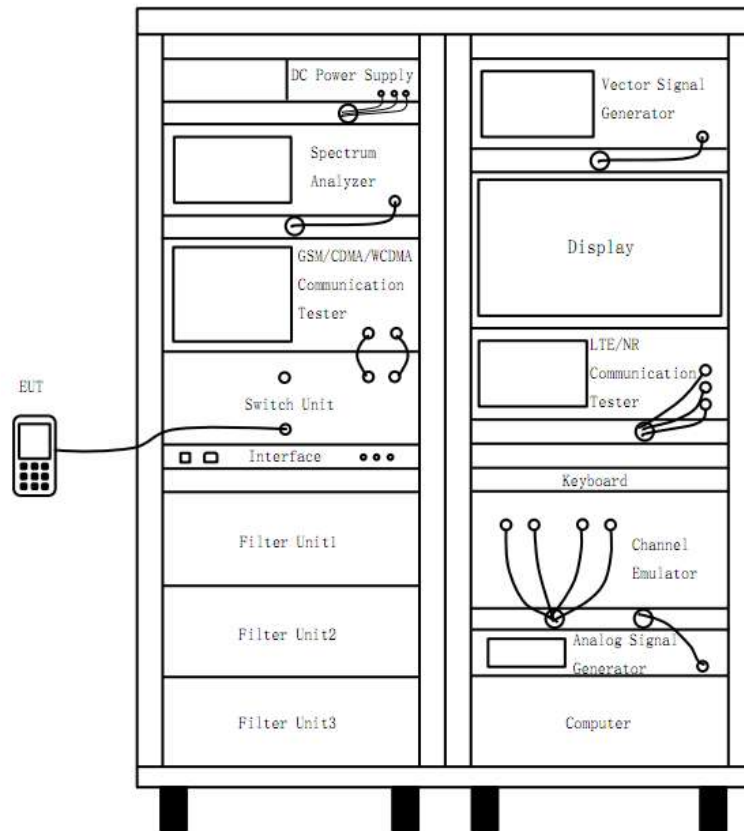
| Test Mode   | Channel Bandwidth (MHz) | UL Channel   | UL Channel No. | UL Frequency (MHz) |
|-------------|-------------------------|--------------|----------------|--------------------|
| NR Band n38 | 20                      | Low Range    | 516000         | 2580               |
|             |                         | Middle Range | 519000         | 2595               |
|             |                         | High Range   | 522000         | 2610               |
|             | 30                      | Low Range    | 517000         | 2585               |
|             |                         | Middle Range | 519000         | 2595               |
|             |                         | High Range   | 521000         | 2605               |
|             | 40                      | Low Range    | 518000         | 2590               |
|             |                         | Middle Range | 519000         | 2595               |
|             |                         | High Range   | 520000         | 2600               |

| Test Mode   | Channel Bandwidth (MHz) | UL Channel   | UL Channel No. | UL Frequency (MHz) |
|-------------|-------------------------|--------------|----------------|--------------------|
| NR Band n41 | 20                      | Low Range    | 501204         | 2506.02            |
|             |                         | Middle Range | 518598         | 2592.99            |
|             |                         | High Range   | 535998         | 2679.99            |
|             | 30                      | Low Range    | 502200         | 2511               |
|             |                         | Middle Range | 518598         | 2592.99            |
|             |                         | High Range   | 534996         | 2674.98            |
|             | 40                      | Low Range    | 503202         | 2516.01            |
|             |                         | Middle Range | 518598         | 2592.99            |
|             |                         | High Range   | 534000         | 2670               |
|             | 50                      | Low Range    | 504204         | 2521.02            |
|             |                         | Middle Range | 518598         | 2592.99            |
|             |                         | High Range   | 532998         | 2664.99            |
|             | 60                      | Low Range    | 505200         | 2526               |
|             |                         | Middle Range | 518598         | 2592.99            |
|             |                         | High Range   | 531996         | 2659.98            |
|             | 70                      | Low Range    | 506202         | 2531.01            |
|             |                         | Middle Range | 518598         | 2592.99            |
|             |                         | High Range   | 531000         | 2655               |
|             | 80                      | Low Range    | 507204         | 2536.02            |
|             |                         | Middle Range | 518598         | 2592.99            |
|             |                         | High Range   | 529998         | 2649.99            |
|             | 90                      | Low Range    | 508200         | 2541               |
|             |                         | Middle Range | 518598         | 2592.99            |
|             |                         | High Range   | 528996         | 2644.98            |
|             | 100                     | Low Range    | 509202         | 2546.01            |
|             |                         | Middle Range | 518598         | 2592.99            |
|             |                         | High Range   | 528000         | 2640               |

| Test Mode   | Channel Bandwidth (MHz) | UL Channel   | UL Channel No. | UL Frequency (MHz) |
|-------------|-------------------------|--------------|----------------|--------------------|
| NR Band n66 | 5                       | Low Range    | 342500         | 1712.5             |
|             |                         | Middle Range | 349000         | 1745               |
|             |                         | High Range   | 355500         | 1777.5             |
|             | 10                      | Low Range    | 343000         | 1715               |
|             |                         | Middle Range | 349000         | 1745               |
|             |                         | High Range   | 355000         | 1775               |
|             | 15                      | Low Range    | 343500         | 1717.5             |
|             |                         | Middle Range | 349000         | 1745               |
|             |                         | High Range   | 354500         | 1772.5             |
|             | 20                      | Low Range    | 344000         | 1720               |
|             |                         | Middle Range | 349000         | 1745               |
|             |                         | High Range   | 354000         | 1770               |
|             | 30                      | Low Range    | 345000         | 1725               |
|             |                         | Middle Range | 349000         | 1745               |
|             |                         | High Range   | 353000         | 1765               |
| 40          | Low Range               | 346000       | 1730           |                    |
|             | Middle Range            | 349000       | 1745           |                    |
|             | High Range              | 352000       | 1760           |                    |

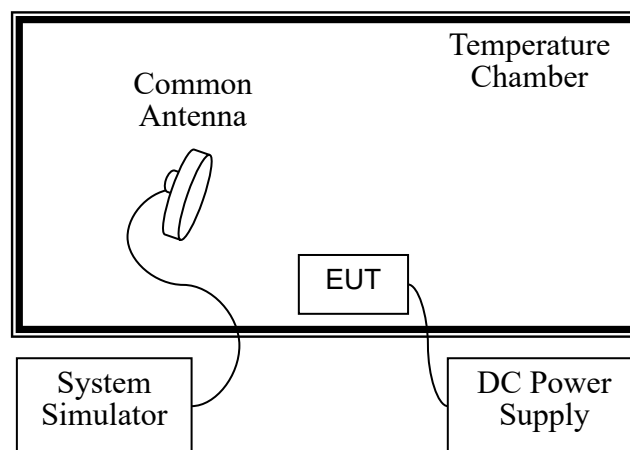
## 4.4 Test Setup

### 4.1.1 For Antenna Port Test



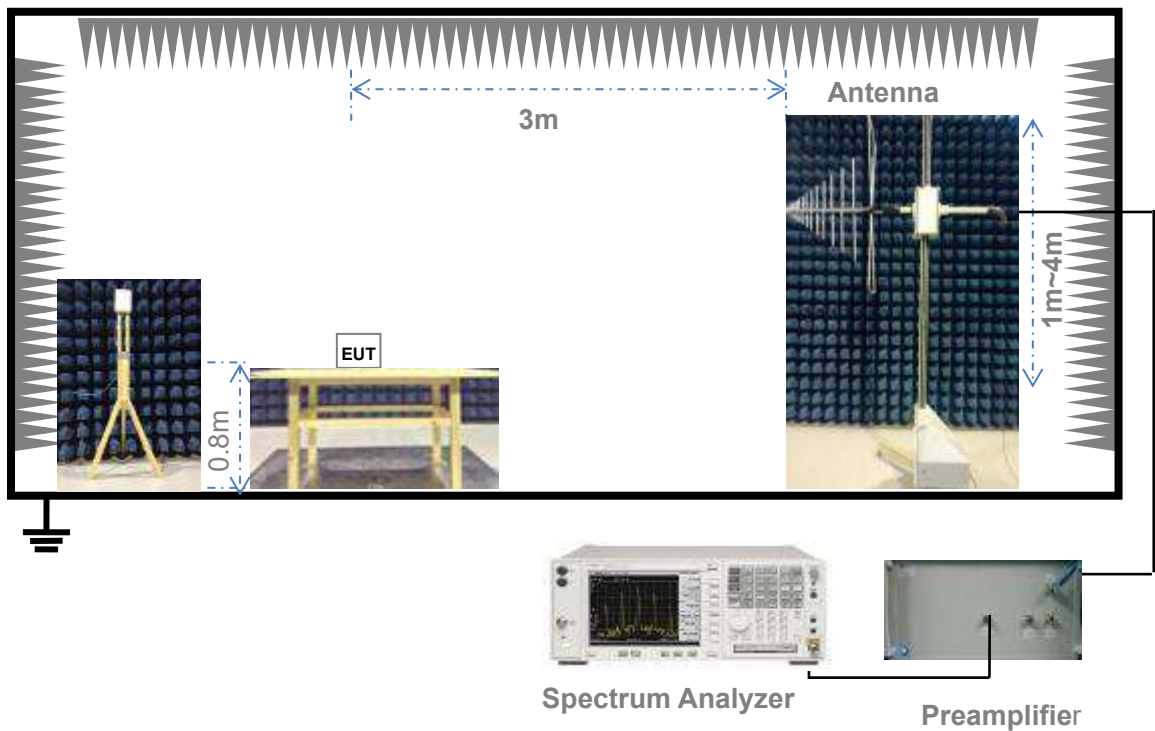
(Diagram 1)

### 4.1.2 For Frequency Stability Test



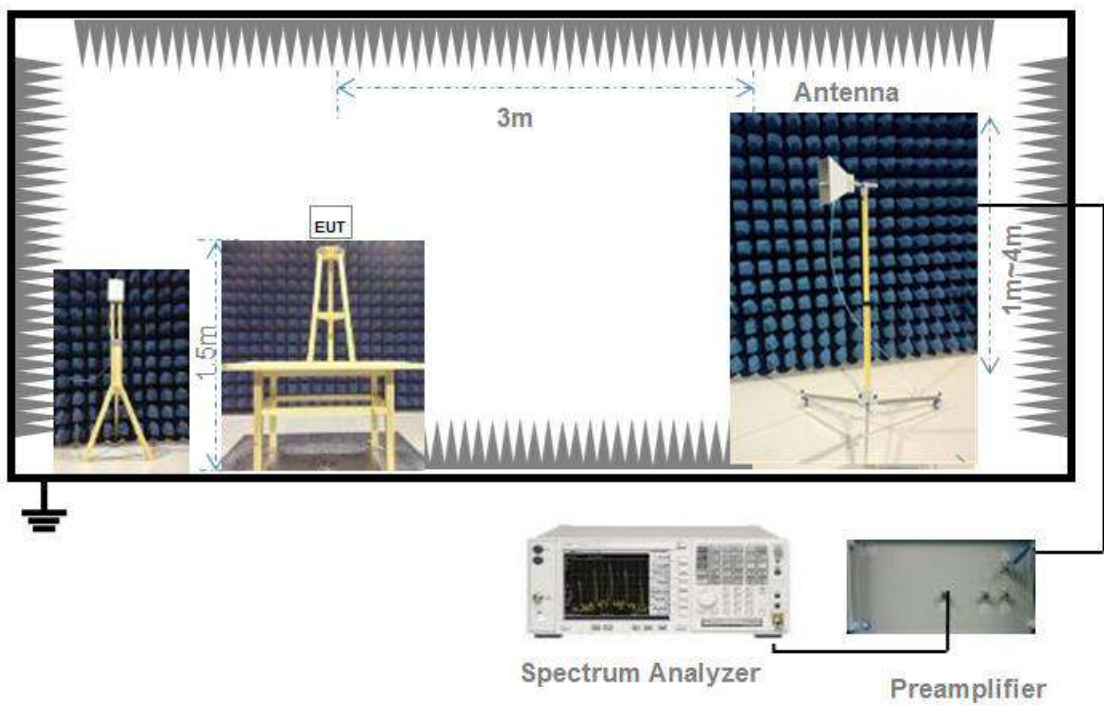
(Diagram 2)

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



(Diagram 3)

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



(Diagram 4)

## 5 TEST ITEMS

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

#### 5.1.1 Limit

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

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

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

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

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

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

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

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

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

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

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

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

### 5.1.2 Test Setup

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

### 5.1.3 Test Procedure

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

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

The relevant equation for determining the conducted measured value is:

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

where:

Conducted Output Power Value = final conducted measured value in the conducted power test, in dBm;  
Measured Value = measured conducted power received by spectrum analyzer or power meter, in dBm;  
Path Loss = signal attenuation in the connecting cable between the transmitter and spectrum analyzer or power meter, including external cable loss, in dB;

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

For example:

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

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

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

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

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

Final measurement calculation as below:

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

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

where:

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

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

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

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

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

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

For example:

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

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

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

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

where:

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

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

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

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

For example:

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

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

#### 5.1.4 Test Result

Please refer to ANNEX A.1.



## 5.2 Peak to Average Ratio

### 5.2.1 Limit

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

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

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

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

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

### 5.2.2 Test Setup

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

### 5.2.3 Test Procedure

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

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

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

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

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

Alternate procedure for PAPR:

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

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

#### 5.2.4 Test Result

Please refer to ANNEX A.2.

## 5.3 Occupied Bandwidth

### 5.3.1 Limit

#### FCC § 2.1049

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

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

### 5.3.2 Test Setup

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

### 5.3.3 Test Procedure

The following procedure shall be used for measuring power bandwidth.

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

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

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

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

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

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

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

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

#### 5.3.4 Test Result

Please refer to ANNEX A.3.

## 5.4 Frequency Stability

### 5.4.1 Limit

FCC § 2.1055 & 22.355 & 24.235 & 27.54 & 90.213

FCC § 2.1055

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

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

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

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

FCC § 22.355

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

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

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

FCC § 24.235

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

#### FCC § 27.54

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

#### FCC § 90.213

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

### 5.4.2 Test Setup

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

### 5.4.3 Test Procedure

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

### 5.4.4 Test Result

Please refer to ANNEX A.4.

## 5.5 Spurious Emission at Antenna Terminals

### 5.5.1 Limit

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

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

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

FCC § 22.917(a) & 24.238(a)

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

FCC § 27.53(a) (4)

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

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

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

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

FCC § 27.53(c)

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

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

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

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

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

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

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

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

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

of at least 30 kHz may be employed;

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

#### FCC § 27.53(f)

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

#### FCC § 27.53(g)

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

#### FCC § 27.53(h) (1)

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

#### FCC § 27.53(l) (2)

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



#### FCC § 27.53(m) (4)

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

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

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

#### FCC § 27.53(n) (2)

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

#### FCC § 90.691

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

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

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

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

### 5.5.2 Test Setup

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

### 5.5.3 Test Procedure

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by

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

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

Sweep point number = Span/RBW

VBW=3\*RBW

Detector Mode=mean or average power

5. Record the frequencies and levels of spurious emissions.

#### 5.5.4 Test Result

Please refer to ANNEX A.5.

## 5.6 Band Edge

### 5.6.1 Limit

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

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

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

FCC § 22.917(a) & 24.238(a)

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

FCC § 27.53(a) (4)

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

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

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

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

FCC § 27.53(c)

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

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

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

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

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

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

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

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

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

of at least 30 kHz may be employed;

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

#### FCC § 27.53(g)

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

#### FCC § 27.53(h) (1)

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

#### FCC § 27.53(l) (2)

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

#### FCC § 27.53(m) (4)

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

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

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

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

FCC § 27.53(n) (2)

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

FCC § 90.691

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

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

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

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

## 5.6.2 Test Setup

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

## 5.6.3 Test Procedure

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

1. The EUT is coupled to the system simulator and spectrum analyzer; the RF load attached to EUT antenna terminal is  $50$  Ohm; the path loss as the factor is calibrated to correct the reading.

2. Base Station is used to establish communication with the EUT, and its parameters are set to force the EUT transmitting at maximum output power.

3. The RF output of the transmitter is connected to the input of the spectrum analyzer through sufficient attenuation.

4. The center of the spectrum analyzer was set to block edge frequency.

5. Band edge are tested with 1%\*cBW (RBW), and sweep point number referred to following formula.

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

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

6. Record the frequencies and levels of spurious emissions.

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

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

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

#### 5.6.4 Test Result

Please refer to ANNEX A.6.

## 5.7 Field Strength of Spurious Radiation

### 5.7.1 Limit

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

FCC § 22.917(a) & 24.238(a)

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

FCC § 27.53(a) (4)

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

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

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

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

FCC § 27.53(c)

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

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

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

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

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

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

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

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



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

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

of at least 30 kHz may be employed;

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

FCC § 27.53(f)

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

FCC § 27.53(g)

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

FCC § 27.53(h) (1)

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

FCC § 27.53(l) (2)

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

FCC § 27.53(m) (4)

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

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

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



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

#### FCC § 27.53(n) (2)

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

#### FCC § 90.691

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

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

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

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

### 5.7.2 Test Setup

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

### 5.7.3 Test Procedure

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

transmitter under test.

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

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

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

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

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

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

the sensitivity of the measuring receiver.

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

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

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

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

Final measurement calculation as below:

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

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

where:

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

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

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

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

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

For example:

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

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

#### 5.7.4 Test Result

Please refer to ANNEX A.7.

## ANNEX A TEST RESULTS

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

#### GSM Mode Test Data

| Test Band | Test Channel | Conducted Output Peak Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-----------|--------------|-----------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| GSM 850   | LCH          | 32.89                             | -7                 | -9.15              | 23.74     | 0.237   | 7.00      | Pass    |
|           | MCH          | 32.94                             | -7                 | -9.15              | 23.79     | 0.239   | 7.00      | Pass    |
|           | HCH          | 32.83                             | -7                 | -9.15              | 23.68     | 0.233   | 7.00      | Pass    |
| GPRS 850  | LCH          | 32.88                             | -7                 | -9.15              | 23.73     | 0.236   | 7.00      | Pass    |
|           | MCH          | 32.92                             | -7                 | -9.15              | 23.77     | 0.238   | 7.00      | Pass    |
|           | HCH          | 32.79                             | -7                 | -9.15              | 23.64     | 0.231   | 7.00      | Pass    |
| EGPRS 850 | LCH          | 29.00                             | -7                 | -9.15              | 19.85     | 0.097   | 7.00      | Pass    |
|           | MCH          | 28.87                             | -7                 | -9.15              | 19.72     | 0.094   | 7.00      | Pass    |
|           | HCH          | 28.67                             | -7                 | -9.15              | 19.52     | 0.090   | 7.00      | Pass    |

| Test Band  | Test Channel | Conducted Output Peak Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------|--------------|-----------------------------------|--------------------|------------|----------|-----------|---------|
| GSM 1900   | LCH          | 30.01                             | -4.7               | 25.31      | 0.340    | 2.00      | Pass    |
|            | MCH          | 29.97                             | -4.7               | 25.27      | 0.337    | 2.00      | Pass    |
|            | HCH          | 30.00                             | -4.7               | 25.30      | 0.339    | 2.00      | Pass    |
| GPRS 1900  | LCH          | 29.96                             | -4.7               | 25.26      | 0.336    | 2.00      | Pass    |
|            | MCH          | 29.90                             | -4.7               | 25.20      | 0.331    | 2.00      | Pass    |
|            | HCH          | 29.93                             | -4.7               | 25.23      | 0.333    | 2.00      | Pass    |
| EGPRS 1900 | LCH          | 29.11                             | -4.7               | 24.41      | 0.276    | 2.00      | Pass    |
|            | MCH          | 29.00                             | -4.7               | 24.30      | 0.269    | 2.00      | Pass    |
|            | HCH          | 29.20                             | -4.7               | 24.50      | 0.282    | 2.00      | Pass    |

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

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

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

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

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

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

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

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

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

GPRS Conducted Output Power

| Band         | Channel | Conducted Output Peak Power |               |                  |                |                  |                |                  |                |
|--------------|---------|-----------------------------|---------------|------------------|----------------|------------------|----------------|------------------|----------------|
|              |         | 1 Slot<br>(dBm)             | 1 Slot<br>(W) | 2 Slots<br>(dBm) | 2 Slots<br>(W) | 3 Slots<br>(dBm) | 3 Slots<br>(W) | 4 Slots<br>(dBm) | 4 Slots<br>(W) |
| GPRS<br>850  | LCH     | 32.88                       | 1.94          | 30.25            | 1.06           | 28.64            | 0.73           | 27.25            | 0.53           |
|              | MCH     | 32.92                       | 1.96          | 30.26            | 1.06           | 28.55            | 0.72           | 27.16            | 0.52           |
|              | HCH     | 32.79                       | 1.90          | 30.19            | 1.04           | 28.34            | 0.68           | 27.04            | 0.51           |
| GPRS<br>1900 | LCH     | 29.96                       | 0.99          | 27.31            | 0.54           | 25.38            | 0.34           | 24.13            | 0.26           |
|              | MCH     | 29.90                       | 0.98          | 27.25            | 0.53           | 24.96            | 0.31           | 23.79            | 0.24           |
|              | HCH     | 29.93                       | 0.98          | 27.23            | 0.53           | 25.18            | 0.33           | 23.94            | 0.25           |

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     | 29.00                       | 0.79          | 27.73            | 0.59           | 25.57            | 0.36           | 25.19            | 0.33           |
|               | MCH     | 28.87                       | 0.77          | 27.51            | 0.56           | 25.45            | 0.35           | 25.02            | 0.32           |
|               | HCH     | 28.67                       | 0.74          | 27.49            | 0.56           | 25.30            | 0.34           | 24.80            | 0.30           |
| EGPRS<br>1900 | LCH     | 29.11                       | 0.81          | 26.36            | 0.43           | 24.50            | 0.28           | 24.41            | 0.28           |
|               | MCH     | 29.00                       | 0.79          | 26.16            | 0.41           | 24.37            | 0.27           | 24.18            | 0.26           |
|               | HCH     | 29.20                       | 0.83          | 26.26            | 0.42           | 24.44            | 0.28           | 24.13            | 0.26           |

## WCDMA Mode Test Data

| Test Band    | Test Channel | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------|--------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| WCDMA Band 2 | LCH          | 22.55                           | -4.7               | 17.85      | 0.061    | 2.00      | Pass    |
|              | MCH          | 22.58                           | -4.7               | 17.88      | 0.061    | 2.00      | Pass    |
|              | HCH          | 22.55                           | -4.7               | 17.85      | 0.061    | 2.00      | Pass    |
| HSDPA Band 2 | LCH          | 22.59                           | -4.7               | 17.89      | 0.062    | 2.00      | Pass    |
|              | MCH          | 22.56                           | -4.7               | 17.86      | 0.061    | 2.00      | Pass    |
|              | HCH          | 22.57                           | -4.7               | 17.87      | 0.061    | 2.00      | Pass    |
| HSUPA Band 2 | LCH          | 22.58                           | -4.7               | 17.88      | 0.061    | 2.00      | Pass    |
|              | MCH          | 22.56                           | -4.7               | 17.86      | 0.061    | 2.00      | Pass    |
|              | HCH          | 22.57                           | -4.7               | 17.87      | 0.061    | 2.00      | Pass    |

| Test Band    | Test Channel | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------|--------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| WCDMA Band 4 | LCH          | 22.81                           | -4.5               | 18.31      | 0.068    | 1.00      | Pass    |
|              | MCH          | 22.83                           | -4.5               | 18.33      | 0.068    | 1.00      | Pass    |
|              | HCH          | 22.72                           | -4.5               | 18.22      | 0.066    | 1.00      | Pass    |
| HSDPA Band 4 | LCH          | 22.81                           | -4.5               | 18.31      | 0.068    | 1.00      | Pass    |
|              | MCH          | 22.82                           | -4.5               | 18.32      | 0.068    | 1.00      | Pass    |
|              | HCH          | 22.73                           | -4.5               | 18.23      | 0.067    | 1.00      | Pass    |
| HSUPA Band 4 | LCH          | 22.76                           | -4.5               | 18.26      | 0.067    | 1.00      | Pass    |
|              | MCH          | 22.76                           | -4.5               | 18.26      | 0.067    | 1.00      | Pass    |
|              | HCH          | 22.82                           | -4.5               | 18.32      | 0.068    | 1.00      | Pass    |

| Test Band    | Test Channel | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|--------------|--------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| WCDMA Band 5 | LCH          | 23.19                           | -7                 | -9.15              | 14.04     | 0.025   | 7.00      | Pass    |
|              | MCH          | 23.29                           | -7                 | -9.15              | 14.14     | 0.026   | 7.00      | Pass    |
|              | HCH          | 23.14                           | -7                 | -9.15              | 13.99     | 0.025   | 7.00      | Pass    |
| HSDPA Band 5 | LCH          | 22.75                           | -7                 | -9.15              | 13.60     | 0.023   | 7.00      | Pass    |
|              | MCH          | 22.79                           | -7                 | -9.15              | 13.64     | 0.023   | 7.00      | Pass    |
|              | HCH          | 22.66                           | -7                 | -9.15              | 13.51     | 0.022   | 7.00      | Pass    |
| HSUPA Band 5 | LCH          | 22.74                           | -7                 | -9.15              | 13.59     | 0.023   | 7.00      | Pass    |
|              | MCH          | 22.87                           | -7                 | -9.15              | 13.72     | 0.024   | 7.00      | Pass    |
|              | HCH          | 22.70                           | -7                 | -9.15              | 13.55     | 0.023   | 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     | 22.57      | 22.55 | 22.57 | 0.181    | 0.180 | 0.181 |
|                        | Subtest 2     | 22.59      | 22.56 | 22.57 | 0.182    | 0.180 | 0.181 |
|                        | Subtest 3     | 22.05      | 22.07 | 22.08 | 0.160    | 0.161 | 0.161 |
|                        | Subtest 4     | 22.01      | 22.07 | 22.06 | 0.159    | 0.161 | 0.161 |
| HSDPA B4               | Subtest 1     | 22.77      | 22.82 | 22.73 | 0.189    | 0.191 | 0.187 |
|                        | Subtest 2     | 22.81      | 22.81 | 22.71 | 0.191    | 0.191 | 0.187 |
|                        | Subtest 3     | 22.32      | 22.29 | 22.19 | 0.171    | 0.169 | 0.166 |
|                        | Subtest 4     | 22.19      | 22.33 | 22.19 | 0.166    | 0.171 | 0.166 |
| Conducted Output Power |               | ERP (dBm)  |       |       | ERP (W)  |       |       |
| Band                   | Configuration | LCH        | MCH   | HCH   | LCH      | MCH   | HCH   |
| HSDPA B5               | Subtest 1     | 22.72      | 22.79 | 22.66 | 0.187    | 0.190 | 0.185 |
|                        | Subtest 2     | 22.75      | 22.79 | 22.66 | 0.188    | 0.190 | 0.185 |
|                        | Subtest 3     | 22.25      | 22.26 | 22.14 | 0.168    | 0.168 | 0.164 |
|                        | Subtest 4     | 22.21      | 22.25 | 22.15 | 0.166    | 0.168 | 0.164 |

HSUPA Conducted Output Power

| Conducted Output Power |               | EIRP (dBm) |       |       | EIRP (W) |       |       |
|------------------------|---------------|------------|-------|-------|----------|-------|-------|
| Band                   | Configuration | LCH        | MCH   | HCH   | LCH      | MCH   | HCH   |
| HSUPA B2               | Subtest 1     | 22.35      | 21.36 | 21.33 | 0.172    | 0.137 | 0.136 |
|                        | Subtest 2     | 20.55      | 20.61 | 20.56 | 0.114    | 0.115 | 0.114 |
|                        | Subtest 3     | 21.41      | 21.41 | 21.44 | 0.138    | 0.138 | 0.139 |
|                        | Subtest 4     | 20.47      | 20.49 | 20.52 | 0.111    | 0.112 | 0.113 |
|                        | Subtest 5     | 22.58      | 22.56 | 22.57 | 0.181    | 0.180 | 0.181 |
| HSUPA B4               | Subtest 1     | 21.57      | 21.60 | 22.60 | 0.144    | 0.145 | 0.182 |
|                        | Subtest 2     | 20.70      | 20.78 | 20.72 | 0.117    | 0.120 | 0.118 |
|                        | Subtest 3     | 21.77      | 21.76 | 21.63 | 0.150    | 0.150 | 0.146 |
|                        | Subtest 4     | 20.76      | 20.91 | 20.76 | 0.119    | 0.123 | 0.119 |
|                        | Subtest 5     | 22.76      | 22.76 | 22.82 | 0.189    | 0.189 | 0.191 |
| Conducted Output Power |               | ERP (dBm)  |       |       | ERP (W)  |       |       |
| Band                   | Configuration | LCH        | MCH   | HCH   | LCH      | MCH   | HCH   |
| HSUPA B5               | Subtest 1     | 22.56      | 22.58 | 22.51 | 0.180    | 0.181 | 0.178 |
|                        | Subtest 2     | 20.70      | 20.72 | 20.66 | 0.117    | 0.118 | 0.116 |
|                        | Subtest 3     | 21.76      | 21.77 | 21.61 | 0.150    | 0.150 | 0.145 |
|                        | Subtest 4     | 20.70      | 20.77 | 20.66 | 0.117    | 0.119 | 0.116 |
|                        | Subtest 5     | 22.74      | 22.87 | 22.70 | 0.188    | 0.194 | 0.186 |



LTE Mode Test Data

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |
| 1.4 MHz          | LCH          | QPSK      | RB1#0                 | 22.08                           | -2.2               | 19.88      | 0.097    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 22.06                           | -2.2               | 19.86      | 0.097    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 22.05                           | -2.2               | 19.85      | 0.097    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 22.04                           | -2.2               | 19.84      | 0.096    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 22.08                           | -2.2               | 19.88      | 0.097    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 22.04                           | -2.2               | 19.84      | 0.096    | 2.00      | Pass    |
|                  |              | RB6#0     | 21.05                 | -2.2                            | 18.85              | 0.077      | 2.00     | Pass      |         |
|                  |              | 16-QAM    | RB1#0                 | 21.14                           | -2.2               | 18.94      | 0.078    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 21.33                           | -2.2               | 19.13      | 0.082    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 21.23                           | -2.2               | 19.03      | 0.080    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 21.19                           | -2.2               | 18.99      | 0.079    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 21.22                           | -2.2               | 19.02      | 0.080    | 2.00      | Pass    |
|                  | RB3#3        |           | 21.28                 | -2.2                            | 19.08              | 0.081      | 2.00     | Pass      |         |
|                  | RB6#0        | 20.11     | -2.2                  | 17.91                           | 0.062              | 2.00       | Pass     |           |         |
|                  | MCH          | QPSK      | RB1#0                 | 22                              | -2.2               | 19.80      | 0.095    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 22.11                           | -2.2               | 19.91      | 0.098    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 22.05                           | -2.2               | 19.85      | 0.097    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 22.02                           | -2.2               | 19.82      | 0.096    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 22.03                           | -2.2               | 19.83      | 0.096    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 22.08                           | -2.2               | 19.88      | 0.097    | 2.00      | Pass    |
|                  |              | RB6#0     | 21.03                 | -2.2                            | 18.83              | 0.076      | 2.00     | Pass      |         |
|                  |              | 16-QAM    | RB1#0                 | 21.45                           | -2.2               | 19.25      | 0.084    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 21.43                           | -2.2               | 19.23      | 0.084    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 21.31                           | -2.2               | 19.11      | 0.081    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 21.18                           | -2.2               | 18.98      | 0.079    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 21.18                           | -2.2               | 18.98      | 0.079    | 2.00      | Pass    |
|                  | RB3#3        |           | 21.21                 | -2.2                            | 19.01              | 0.080      | 2.00     | Pass      |         |
|                  | RB6#0        | 20.07     | -2.2                  | 17.87                           | 0.061              | 2.00       | Pass     |           |         |
|                  | HCH          | QPSK      | RB1#0                 | 22.05                           | -2.2               | 19.85      | 0.097    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 22.12                           | -2.2               | 19.92      | 0.098    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 22.02                           | -2.2               | 19.82      | 0.096    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 22.04                           | -2.2               | 19.84      | 0.096    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 22.12                           | -2.2               | 19.92      | 0.098    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 22.09                           | -2.2               | 19.89      | 0.097    | 2.00      | Pass    |
|                  |              | RB6#0     | 21.05                 | -2.2                            | 18.85              | 0.077      | 2.00     | Pass      |         |
|                  |              | 16-QAM    | RB1#0                 | 21.24                           | -2.2               | 19.04      | 0.080    | 2.00      | Pass    |
| RB1#3            | 21.48        | -2.2      | 19.28                 | 0.085                           | 2.00               | Pass       |          |           |         |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |
| 3 MHz            |              |           | RB1#5                 | 21.4                            | -2.2               | 19.20      | 0.083    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 21.3                            | -2.2               | 19.10      | 0.081    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 21.24                           | -2.2               | 19.04      | 0.080    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 21.3                            | -2.2               | 19.10      | 0.081    | 2.00      | Pass    |
|                  |              |           | RB6#0                 | 20.17                           | -2.2               | 17.97      | 0.063    | 2.00      | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 21.97                           | -2.2               | 19.77      | 0.095    | 2.00      | Pass    |
|                  |              |           | RB1#7                 | 22.09                           | -2.2               | 19.89      | 0.097    | 2.00      | Pass    |
|                  |              |           | RB1#14                | 22                              | -2.2               | 19.80      | 0.095    | 2.00      | Pass    |
|                  |              |           | RB8#0                 | 21.07                           | -2.2               | 18.87      | 0.077    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 21.12                           | -2.2               | 18.92      | 0.078    | 2.00      | Pass    |
|                  |              |           | RB8#7                 | 21.07                           | -2.2               | 18.87      | 0.077    | 2.00      | Pass    |
|                  |              |           | RB15#0                | 21.09                           | -2.2               | 18.89      | 0.077    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.4                            | -2.2               | 19.20      | 0.083    | 2.00      | Pass    |
|                  |              |           | RB1#7                 | 21.52                           | -2.2               | 19.32      | 0.086    | 2.00      | Pass    |
|                  |              |           | RB1#14                | 21.52                           | -2.2               | 19.32      | 0.086    | 2.00      | Pass    |
|                  |              |           | RB8#0                 | 20.14                           | -2.2               | 17.94      | 0.062    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 20.25                           | -2.2               | 18.05      | 0.064    | 2.00      | Pass    |
|                  |              |           | RB8#7                 | 20.18                           | -2.2               | 17.98      | 0.063    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.03                           | -2.2               | 19.83      | 0.096    | 2.00      | Pass    |
|                  |              |           | RB1#7                 | 22.1                            | -2.2               | 19.90      | 0.098    | 2.00      | Pass    |
|                  |              |           | RB1#14                | 22.02                           | -2.2               | 19.82      | 0.096    | 2.00      | Pass    |
|                  |              |           | RB8#0                 | 21.01                           | -2.2               | 18.81      | 0.076    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 21.14                           | -2.2               | 18.94      | 0.078    | 2.00      | Pass    |
|                  |              |           | RB8#7                 | 21.09                           | -2.2               | 18.89      | 0.077    | 2.00      | Pass    |
|                  |              |           | RB15#0                | 20.99                           | -2.2               | 18.79      | 0.076    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.33                           | -2.2               | 19.13      | 0.082    | 2.00      | Pass    |
|                  |              |           | RB1#7                 | 21.35                           | -2.2               | 19.15      | 0.082    | 2.00      | Pass    |
|                  |              |           | RB1#14                | 21.29                           | -2.2               | 19.09      | 0.081    | 2.00      | Pass    |
| RB8#0            |              |           | 20                    | -2.2                            | 17.80              | 0.060      | 2.00     | Pass      |         |
| RB8#4            |              |           | 20.17                 | -2.2                            | 17.97              | 0.063      | 2.00     | Pass      |         |
| HCH              | QPSK         | RB8#7     | 20.12                 | -2.2                            | 17.92              | 0.062      | 2.00     | Pass      |         |
|                  |              | RB15#0    | 20.04                 | -2.2                            | 17.84              | 0.061      | 2.00     | Pass      |         |
|                  |              | RB1#0     | 22                    | -2.2                            | 19.80              | 0.095      | 2.00     | Pass      |         |
|                  |              | RB1#7     | 22.09                 | -2.2                            | 19.89              | 0.097      | 2.00     | Pass      |         |
|                  |              | RB1#14    | 22.04                 | -2.2                            | 19.84              | 0.096      | 2.00     | Pass      |         |
|                  |              |           | RB8#0                 | 21.1                            | -2.2               | 18.90      | 0.078    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 21.14                           | -2.2               | 18.94      | 0.078    | 2.00      | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |      |      |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|------|------|
| <b>LTE BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |      |      |
|                  |              | 16-QAM    | RB8#7                 | 21.1                            | -2.2               | 18.90      | 0.078    | 2.00      | Pass    |      |      |
|                  |              |           | RB15#0                | 21.11                           | -2.2               | 18.91      | 0.078    | 2.00      | Pass    |      |      |
|                  |              |           | RB1#0                 | 21.34                           | -2.2               | 19.14      | 0.082    | 2.00      | Pass    |      |      |
|                  |              |           | RB1#7                 | 21.46                           | -2.2               | 19.26      | 0.084    | 2.00      | Pass    |      |      |
|                  |              |           | RB1#14                | 21.47                           | -2.2               | 19.27      | 0.085    | 2.00      | Pass    |      |      |
|                  |              |           | RB8#0                 | 20.12                           | -2.2               | 17.92      | 0.062    | 2.00      | Pass    |      |      |
|                  |              |           | RB8#4                 | 20.2                            | -2.2               | 18.00      | 0.063    | 2.00      | Pass    |      |      |
|                  |              |           | RB8#7                 | 20.14                           | -2.2               | 17.94      | 0.062    | 2.00      | Pass    |      |      |
|                  |              |           |                       |                                 | RB15#0             | 20.11      | -2.2     | 17.91     | 0.062   | 2.00 | Pass |
|                  |              | 5 MHz     | LCH                   | QPSK                            | RB1#0              | 22.04      | -2.2     | 19.84     | 0.096   | 2.00 | Pass |
|                  |              |           |                       |                                 | RB1#13             | 22.17      | -2.2     | 19.97     | 0.099   | 2.00 | Pass |
|                  |              |           |                       |                                 | RB1#24             | 22.13      | -2.2     | 19.93     | 0.098   | 2.00 | Pass |
|                  |              |           |                       |                                 | RB12#0             | 21.12      | -2.2     | 18.92     | 0.078   | 2.00 | Pass |
|                  |              |           |                       |                                 | RB12#6             | 21.17      | -2.2     | 18.97     | 0.079   | 2.00 | Pass |
|                  |              |           |                       |                                 | RB12#13            | 21.11      | -2.2     | 18.91     | 0.078   | 2.00 | Pass |
|                  |              |           |                       |                                 | RB25#0             | 21.1       | -2.2     | 18.90     | 0.078   | 2.00 | Pass |
|                  |              |           |                       | 16-QAM                          | RB1#0              | 21.5       | -2.2     | 19.30     | 0.085   | 2.00 | Pass |
|                  |              |           |                       |                                 | RB1#13             | 21.48      | -2.2     | 19.28     | 0.085   | 2.00 | Pass |
|                  |              |           |                       |                                 | RB1#24             | 21.54      | -2.2     | 19.34     | 0.086   | 2.00 | Pass |
|                  |              |           |                       |                                 | RB12#0             | 20.19      | -2.2     | 17.99     | 0.063   | 2.00 | Pass |
|                  |              |           |                       |                                 | RB12#6             | 20.22      | -2.2     | 18.02     | 0.063   | 2.00 | Pass |
|                  |              |           | RB12#13               |                                 | 20.22              | -2.2       | 18.02    | 0.063     | 2.00    | Pass |      |
|                  |              |           |                       | RB25#0                          | 20.15              | -2.2       | 17.95    | 0.062     | 2.00    | Pass |      |
|                  | MCH          |           | QPSK                  | RB1#0                           | 21.99              | -2.2       | 19.79    | 0.095     | 2.00    | Pass |      |
|                  |              |           |                       |                                 | RB1#13             | 22.15      | -2.2     | 19.95     | 0.099   | 2.00 | Pass |
|                  |              |           |                       |                                 | RB1#24             | 22.07      | -2.2     | 19.87     | 0.097   | 2.00 | Pass |
|                  |              |           |                       |                                 | RB12#0             | 20.99      | -2.2     | 18.79     | 0.076   | 2.00 | Pass |
|                  |              |           |                       |                                 | RB12#6             | 21.01      | -2.2     | 18.81     | 0.076   | 2.00 | Pass |
|                  |              |           |                       |                                 | RB12#13            | 21.1       | -2.2     | 18.90     | 0.078   | 2.00 | Pass |
|                  |              |           |                       |                                 | RB25#0             | 21         | -2.2     | 18.80     | 0.076   | 2.00 | Pass |
|                  |              |           |                       | 16-QAM                          | RB1#0              | 21.42      | -2.2     | 19.22     | 0.084   | 2.00 | Pass |
|                  |              |           |                       |                                 | RB1#13             | 21.49      | -2.2     | 19.29     | 0.085   | 2.00 | Pass |
|                  |              |           |                       |                                 | RB1#24             | 21.49      | -2.2     | 19.29     | 0.085   | 2.00 | Pass |
|                  |              |           | RB12#0                |                                 | 20.06              | -2.2       | 17.86    | 0.061     | 2.00    | Pass |      |
|                  |              |           | RB12#6                |                                 | 20.13              | -2.2       | 17.93    | 0.062     | 2.00    | Pass |      |
|                  |              | RB12#13   | 20.16                 |                                 | -2.2               | 17.96      | 0.063    | 2.00      | Pass    |      |      |
|                  |              |           | RB25#0                | 19.99                           | -2.2               | 17.79      | 0.060    | 2.00      | Pass    |      |      |
|                  | HCH          | QPSK      | RB1#0                 | 22.05                           | -2.2               | 19.85      | 0.097    | 2.00      | Pass    |      |      |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB1#13                | 22.15                           | -2.2               | 19.95      | 0.099    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 22.11                           | -2.2               | 19.91      | 0.098    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 21.07                           | -2.2               | 18.87      | 0.077    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 21.11                           | -2.2               | 18.91      | 0.078    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 21.1                            | -2.2               | 18.90      | 0.078    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 21.1                            | -2.2               | 18.90      | 0.078    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.35                           | -2.2               | 19.15      | 0.082    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 21.49                           | -2.2               | 19.29      | 0.085    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 21.45                           | -2.2               | 19.25      | 0.084    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 20.2                            | -2.2               | 18.00      | 0.063    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 20.22                           | -2.2               | 18.02      | 0.063    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 20.22                           | -2.2               | 18.02      | 0.063    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.09                           | -2.2               | 17.89      | 0.062    | 2.00      | Pass    |
|                  |              |           | 10 MHz                | LCH                             | QPSK               | RB1#0      | 22.01    | -2.2      | 19.81   |
| RB1#25           | 22.11        | -2.2      |                       |                                 |                    | 19.91      | 0.098    | 2.00      | Pass    |
| RB1#49           | 22.07        | -2.2      |                       |                                 |                    | 19.87      | 0.097    | 2.00      | Pass    |
| RB25#0           | 20.99        | -2.2      |                       |                                 |                    | 18.79      | 0.076    | 2.00      | Pass    |
| RB25#13          | 21.16        | -2.2      |                       |                                 |                    | 18.96      | 0.079    | 2.00      | Pass    |
| RB25#25          | 21.11        | -2.2      |                       |                                 |                    | 18.91      | 0.078    | 2.00      | Pass    |
| RB50#0           | 21.14        | -2.2      |                       |                                 |                    | 18.94      | 0.078    | 2.00      | Pass    |
| 16-QAM           | RB1#0        | 21.48     |                       |                                 | -2.2               | 19.28      | 0.085    | 2.00      | Pass    |
|                  | RB1#25       | 21.52     |                       |                                 | -2.2               | 19.32      | 0.086    | 2.00      | Pass    |
|                  | RB1#49       | 21.4      |                       |                                 | -2.2               | 19.20      | 0.083    | 2.00      | Pass    |
|                  | RB25#0       | 20.03     |                       |                                 | -2.2               | 17.83      | 0.061    | 2.00      | Pass    |
|                  | RB25#13      | 20.17     |                       |                                 | -2.2               | 17.97      | 0.063    | 2.00      | Pass    |
|                  | RB25#25      | 20.12     |                       |                                 | -2.2               | 17.92      | 0.062    | 2.00      | Pass    |
|                  | RB50#0       | 20.13     |                       |                                 | -2.2               | 17.93      | 0.062    | 2.00      | Pass    |
| 10 MHz           | MCH          | QPSK      | RB1#0                 | 22                              | -2.2               | 19.80      | 0.095    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 22.06                           | -2.2               | 19.86      | 0.097    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 22.07                           | -2.2               | 19.87      | 0.097    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.95                           | -2.2               | 18.75      | 0.075    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 21.04                           | -2.2               | 18.84      | 0.077    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 20.98                           | -2.2               | 18.78      | 0.076    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 21.02                           | -2.2               | 18.82      | 0.076    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.31                           | -2.2               | 19.11      | 0.081    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 21.4                            | -2.2               | 19.20      | 0.083    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 21.32                           | -2.2               | 19.12      | 0.082    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 19.98                           | -2.2               | 17.78      | 0.060    | 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          | QPSK      | RB25#13               | 20.03                           | -2.2               | 17.83      | 0.061    | 2.00      | Pass    |      |
|                  |              |           | RB25#25               | 20.06                           | -2.2               | 17.86      | 0.061    | 2.00      | Pass    |      |
|                  |              |           | RB50#0                | 20.02                           | -2.2               | 17.82      | 0.061    | 2.00      | Pass    |      |
|                  |              | 16-QAM    | QPSK                  | RB1#0                           | 22.01              | -2.2       | 19.81    | 0.096     | 2.00    | Pass |
|                  |              |           |                       | RB1#25                          | 22.13              | -2.2       | 19.93    | 0.098     | 2.00    | Pass |
|                  |              |           |                       | RB1#49                          | 22.04              | -2.2       | 19.84    | 0.096     | 2.00    | Pass |
|                  |              |           | 16-QAM                | RB25#0                          | 21.03              | -2.2       | 18.83    | 0.076     | 2.00    | Pass |
|                  |              |           |                       | RB25#13                         | 21.13              | -2.2       | 18.93    | 0.078     | 2.00    | Pass |
|                  |              |           |                       | RB25#25                         | 21.11              | -2.2       | 18.91    | 0.078     | 2.00    | Pass |
|                  | RB50#0       |           |                       | 21.07                           | -2.2               | 18.87      | 0.077    | 2.00      | Pass    |      |
|                  | RB1#0        |           |                       | 21.46                           | -2.2               | 19.26      | 0.084    | 2.00      | Pass    |      |
|                  | RB1#25       |           |                       | 21.35                           | -2.2               | 19.15      | 0.082    | 2.00      | Pass    |      |
|                  | LCH          | QPSK      | RB1#49                | 21.36                           | -2.2               | 19.16      | 0.082    | 2.00      | Pass    |      |
|                  |              |           | RB25#0                | 20.07                           | -2.2               | 17.87      | 0.061    | 2.00      | Pass    |      |
|                  |              |           | RB25#13               | 20.15                           | -2.2               | 17.95      | 0.062    | 2.00      | Pass    |      |
|                  |              |           | RB25#25               | 20.15                           | -2.2               | 17.95      | 0.062    | 2.00      | Pass    |      |
|                  |              |           | RB50#0                | 20.1                            | -2.2               | 17.90      | 0.062    | 2.00      | Pass    |      |
|                  |              |           | RB1#0                 | 21.87                           | -2.2               | 19.67      | 0.093    | 2.00      | Pass    |      |
|                  |              | 16-QAM    | RB1#38                | 21.85                           | -2.2               | 19.65      | 0.092    | 2.00      | Pass    |      |
|                  |              |           | RB1#74                | 21.83                           | -2.2               | 19.63      | 0.092    | 2.00      | Pass    |      |
|                  |              |           | RB36#0                | 20.92                           | -2.2               | 18.72      | 0.074    | 2.00      | Pass    |      |
| RB36#19          |              |           | 21.05                 | -2.2                            | 18.85              | 0.077      | 2.00     | Pass      |         |      |
| RB36#39          |              |           | 20.97                 | -2.2                            | 18.77              | 0.075      | 2.00     | Pass      |         |      |
| RB75#0           |              |           | 21                    | -2.2                            | 18.80              | 0.076      | 2.00     | Pass      |         |      |
| MCH              | QPSK         | RB1#0     | 21.2                  | -2.2                            | 19.00              | 0.079      | 2.00     | Pass      |         |      |
|                  |              | RB1#38    | 21.31                 | -2.2                            | 19.11              | 0.081      | 2.00     | Pass      |         |      |
|                  |              | RB1#74    | 21.22                 | -2.2                            | 19.02              | 0.080      | 2.00     | Pass      |         |      |
|                  |              | RB36#0    | 19.92                 | -2.2                            | 17.72              | 0.059      | 2.00     | Pass      |         |      |
|                  |              | RB36#19   | 20                    | -2.2                            | 17.80              | 0.060      | 2.00     | Pass      |         |      |
|                  |              | RB36#39   | 19.99                 | -2.2                            | 17.79              | 0.060      | 2.00     | Pass      |         |      |
|                  | QPSK         | RB75#0    | 19.97                 | -2.2                            | 17.77              | 0.060      | 2.00     | Pass      |         |      |
|                  |              | RB1#0     | 21.76                 | -2.2                            | 19.56              | 0.090      | 2.00     | Pass      |         |      |
|                  |              | RB1#38    | 21.85                 | -2.2                            | 19.65              | 0.092      | 2.00     | Pass      |         |      |
|                  |              | RB1#74    | 21.74                 | -2.2                            | 19.54              | 0.090      | 2.00     | Pass      |         |      |
|                  |              | RB36#0    | 20.8                  | -2.2                            | 18.60              | 0.072      | 2.00     | Pass      |         |      |
|                  |              | RB36#19   | 20.85                 | -2.2                            | 18.65              | 0.073      | 2.00     | Pass      |         |      |
| RB36#39          | 20.86        | -2.2      | 18.66                 | 0.073                           | 2.00               | Pass       |          |           |         |      |
| RB75#0           | 20.85        | -2.2      | 18.65                 | 0.073                           | 2.00               | Pass       |          |           |         |      |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |
| 20 MHz           | HCH          | 16-QAM    | RB1#0                 | 21.1                            | -2.2               | 18.90      | 0.078    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 21.21                           | -2.2               | 19.01      | 0.080    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 21.08                           | -2.2               | 18.88      | 0.077    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 19.84                           | -2.2               | 17.64      | 0.058    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 19.84                           | -2.2               | 17.64      | 0.058    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 19.88                           | -2.2               | 17.68      | 0.059    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 19.84                           | -2.2               | 17.64      | 0.058    | 2.00      | Pass    |
|                  |              | QPSK      | RB1#0                 | 21.75                           | -2.2               | 19.55      | 0.090    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 21.8                            | -2.2               | 19.60      | 0.091    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 21.8                            | -2.2               | 19.60      | 0.091    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 20.91                           | -2.2               | 18.71      | 0.074    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 20.94                           | -2.2               | 18.74      | 0.075    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 20.96                           | -2.2               | 18.76      | 0.075    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 20.9                            | -2.2               | 18.70      | 0.074    | 2.00      | Pass    |
|                  | 16-QAM       | RB1#0     | 21.16                 | -2.2                            | 18.96              | 0.079      | 2.00     | Pass      |         |
|                  |              | RB1#38    | 21.1                  | -2.2                            | 18.90              | 0.078      | 2.00     | Pass      |         |
|                  |              | RB1#74    | 21.11                 | -2.2                            | 18.91              | 0.078      | 2.00     | Pass      |         |
|                  |              | RB36#0    | 19.88                 | -2.2                            | 17.68              | 0.059      | 2.00     | Pass      |         |
|                  |              | RB36#19   | 19.95                 | -2.2                            | 17.75              | 0.060      | 2.00     | Pass      |         |
|                  |              | RB36#39   | 19.97                 | -2.2                            | 17.77              | 0.060      | 2.00     | Pass      |         |
|                  |              | RB75#0    | 19.9                  | -2.2                            | 17.70              | 0.059      | 2.00     | Pass      |         |
|                  | LCH          | QPSK      | RB1#0                 | 21.85                           | -2.2               | 19.65      | 0.092    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 21.89                           | -2.2               | 19.69      | 0.093    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 21.73                           | -2.2               | 19.53      | 0.090    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.94                           | -2.2               | 18.74      | 0.075    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 20.98                           | -2.2               | 18.78      | 0.076    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 20.95                           | -2.2               | 18.75      | 0.075    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 20.97                           | -2.2               | 18.77      | 0.075    | 2.00      | Pass    |
| 16-QAM           |              | RB1#0     | 21.15                 | -2.2                            | 18.95              | 0.079      | 2.00     | Pass      |         |
|                  |              | RB1#50    | 21.32                 | -2.2                            | 19.12              | 0.082      | 2.00     | Pass      |         |
|                  |              | RB1#99    | 21.15                 | -2.2                            | 18.95              | 0.079      | 2.00     | Pass      |         |
|                  |              | RB50#0    | 19.99                 | -2.2                            | 17.79              | 0.060      | 2.00     | Pass      |         |
|                  |              | RB50#25   | 20                    | -2.2                            | 17.80              | 0.060      | 2.00     | Pass      |         |
|                  |              | RB50#50   | 19.94                 | -2.2                            | 17.74              | 0.059      | 2.00     | Pass      |         |
|                  |              | RB100#0   | 19.97                 | -2.2                            | 17.77              | 0.060      | 2.00     | Pass      |         |
| MCH              | QPSK         | RB1#0     | 21.73                 | -2.2                            | 19.53              | 0.090      | 2.00     | Pass      |         |
|                  |              | RB1#50    | 21.85                 | -2.2                            | 19.65              | 0.092      | 2.00     | Pass      |         |
|                  |              | RB1#99    | 21.75                 | -2.2                            | 19.55              | 0.090      | 2.00     | Pass      |         |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |      |      |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|------|------|
| <b>LTE BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |      |      |
|                  |              |           | RB50#0                | 20.78                           | -2.2               | 18.58      | 0.072    | 2.00      | Pass    |      |      |
|                  |              |           | RB50#25               | 20.83                           | -2.2               | 18.63      | 0.073    | 2.00      | Pass    |      |      |
|                  |              |           | RB50#50               | 20.87                           | -2.2               | 18.67      | 0.074    | 2.00      | Pass    |      |      |
|                  |              |           | RB100#0               | 20.85                           | -2.2               | 18.65      | 0.073    | 2.00      | Pass    |      |      |
|                  |              | 16-QAM    | RB1#0                 | 21.17                           | -2.2               | 18.97      | 0.079    | 2.00      | Pass    |      |      |
|                  |              |           | RB1#50                | 21.16                           | -2.2               | 18.96      | 0.079    | 2.00      | Pass    |      |      |
|                  |              |           | RB1#99                | 21.2                            | -2.2               | 19.00      | 0.079    | 2.00      | Pass    |      |      |
|                  |              |           | RB50#0                | 19.83                           | -2.2               | 17.63      | 0.058    | 2.00      | Pass    |      |      |
|                  |              |           | RB50#25               | 19.81                           | -2.2               | 17.61      | 0.058    | 2.00      | Pass    |      |      |
|                  |              |           | RB50#50               | 19.91                           | -2.2               | 17.71      | 0.059    | 2.00      | Pass    |      |      |
|                  |              |           | RB100#0               | 19.87                           | -2.2               | 17.67      | 0.058    | 2.00      | Pass    |      |      |
|                  |              |           | HCH                   | QPSK                            | RB1#0              | 21.8       | -2.2     | 19.60     | 0.091   | 2.00 | Pass |
|                  |              |           |                       |                                 | RB1#50             | 21.81      | -2.2     | 19.61     | 0.091   | 2.00 | Pass |
|                  |              |           |                       |                                 | RB1#99             | 21.85      | -2.2     | 19.65     | 0.092   | 2.00 | Pass |
|                  | RB50#0       | 20.94     |                       |                                 | -2.2               | 18.74      | 0.075    | 2.00      | Pass    |      |      |
|                  | RB50#25      | 20.95     |                       |                                 | -2.2               | 18.75      | 0.075    | 2.00      | Pass    |      |      |
|                  | RB50#50      | 20.87     |                       |                                 | -2.2               | 18.67      | 0.074    | 2.00      | Pass    |      |      |
|                  | RB100#0      | 20.95     |                       |                                 | -2.2               | 18.75      | 0.075    | 2.00      | Pass    |      |      |
|                  | 16-QAM       | RB1#0     | 21.2                  | -2.2                            | 19.00              | 0.079      | 2.00     | Pass      |         |      |      |
|                  |              | RB1#50    | 21.12                 | -2.2                            | 18.92              | 0.078      | 2.00     | Pass      |         |      |      |
|                  |              | RB1#99    | 21.08                 | -2.2                            | 18.88              | 0.077      | 2.00     | Pass      |         |      |      |
|                  |              | RB50#0    | 19.95                 | -2.2                            | 17.75              | 0.060      | 2.00     | Pass      |         |      |      |
|                  |              | RB50#25   | 19.97                 | -2.2                            | 17.77              | 0.060      | 2.00     | Pass      |         |      |      |
|                  |              | RB50#50   | 19.88                 | -2.2                            | 17.68              | 0.059      | 2.00     | Pass      |         |      |      |
|                  |              | RB100#0   | 19.93                 | -2.2                            | 17.73              | 0.059      | 2.00     | Pass      |         |      |      |



| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |
| 1.4 MHz          | LCH          | QPSK      | RB1#0                 | 22.16                           | -4.5               | 17.66      | 0.058    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 22.14                           | -4.5               | 17.64      | 0.058    | 1.000     | Pass    |
|                  |              |           | RB1#5                 | 22.16                           | -4.5               | 17.66      | 0.058    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 22.12                           | -4.5               | 17.62      | 0.058    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 22.17                           | -4.5               | 17.67      | 0.058    | 1.000     | Pass    |
|                  |              |           | RB3#3                 | 22.1                            | -4.5               | 17.60      | 0.058    | 1.000     | Pass    |
|                  |              | RB6#0     | 21.12                 | -4.5                            | 16.62              | 0.046      | 1.000    | Pass      |         |
|                  |              | 16-QAM    | RB1#0                 | 21.3                            | -4.5               | 16.80      | 0.048    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 21.3                            | -4.5               | 16.80      | 0.048    | 1.000     | Pass    |
|                  |              |           | RB1#5                 | 21.37                           | -4.5               | 16.87      | 0.049    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 21.22                           | -4.5               | 16.72      | 0.047    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 21.27                           | -4.5               | 16.77      | 0.048    | 1.000     | Pass    |
|                  | RB3#3        |           | 21.2                  | -4.5                            | 16.70              | 0.047      | 1.000    | Pass      |         |
|                  | RB6#0        | 20.21     | -4.5                  | 15.71                           | 0.037              | 1.000      | Pass     |           |         |
|                  | MCH          | QPSK      | RB1#0                 | 22.16                           | -4.5               | 17.66      | 0.058    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 22.21                           | -4.5               | 17.71      | 0.059    | 1.000     | Pass    |
|                  |              |           | RB1#5                 | 22.21                           | -4.5               | 17.71      | 0.059    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 22.24                           | -4.5               | 17.74      | 0.059    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 22.18                           | -4.5               | 17.68      | 0.059    | 1.000     | Pass    |
|                  |              |           | RB3#3                 | 22.19                           | -4.5               | 17.69      | 0.059    | 1.000     | Pass    |
|                  |              | RB6#0     | 21.17                 | -4.5                            | 16.67              | 0.046      | 1.000    | Pass      |         |
|                  |              | 16-QAM    | RB1#0                 | 21.38                           | -4.5               | 16.88      | 0.049    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 21.52                           | -4.5               | 17.02      | 0.050    | 1.000     | Pass    |
|                  |              |           | RB1#5                 | 21.36                           | -4.5               | 16.86      | 0.049    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 21.31                           | -4.5               | 16.81      | 0.048    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 21.33                           | -4.5               | 16.83      | 0.048    | 1.000     | Pass    |
|                  | RB3#3        |           | 21.29                 | -4.5                            | 16.79              | 0.048      | 1.000    | Pass      |         |
|                  | RB6#0        | 20.23     | -4.5                  | 15.73                           | 0.037              | 1.000      | Pass     |           |         |
|                  | HCH          | QPSK      | RB1#0                 | 22.2                            | -4.5               | 17.70      | 0.059    | 1.000     | Pass    |
|                  |              |           | RB1#3                 | 22.27                           | -4.5               | 17.77      | 0.060    | 1.000     | Pass    |
|                  |              |           | RB1#5                 | 22.26                           | -4.5               | 17.76      | 0.060    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 22.2                            | -4.5               | 17.70      | 0.059    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 22.2                            | -4.5               | 17.70      | 0.059    | 1.000     | Pass    |
|                  |              |           | RB3#3                 | 22.21                           | -4.5               | 17.71      | 0.059    | 1.000     | Pass    |
|                  |              | RB6#0     | 21.2                  | -4.5                            | 16.70              | 0.047      | 1.000    | Pass      |         |
|                  |              | 16-QAM    | RB1#0                 | 21.43                           | -4.5               | 16.93      | 0.049    | 1.000     | Pass    |
| RB1#3            | 21.38        | -4.5      | 16.88                 | 0.049                           | 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                 | 21.53                           | -4.5               | 17.03      | 0.050    | 1.000     | Pass    |
|                  |              |           | RB3#0                 | 21.31                           | -4.5               | 16.81      | 0.048    | 1.000     | Pass    |
|                  |              |           | RB3#2                 | 21.35                           | -4.5               | 16.85      | 0.048    | 1.000     | Pass    |
|                  |              |           | RB3#3                 | 21.3                            | -4.5               | 16.80      | 0.048    | 1.000     | Pass    |
|                  |              |           | RB6#0                 | 20.28                           | -4.5               | 15.78      | 0.038    | 1.000     | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 22.11                           | -4.5               | 17.61      | 0.058    | 1.000     | Pass    |
|                  |              |           | RB1#7                 | 22.16                           | -4.5               | 17.66      | 0.058    | 1.000     | Pass    |
|                  |              |           | RB1#14                | 22.11                           | -4.5               | 17.61      | 0.058    | 1.000     | Pass    |
|                  |              |           | RB8#0                 | 21.16                           | -4.5               | 16.66      | 0.046    | 1.000     | Pass    |
|                  |              |           | RB8#4                 | 21.2                            | -4.5               | 16.70      | 0.047    | 1.000     | Pass    |
|                  |              |           | RB8#7                 | 21.17                           | -4.5               | 16.67      | 0.046    | 1.000     | Pass    |
|                  |              | RB15#0    | 21.18                 | -4.5                            | 16.68              | 0.047      | 1.000    | Pass      |         |
|                  |              | 16-QAM    | RB1#0                 | 21.45                           | -4.5               | 16.95      | 0.050    | 1.000     | Pass    |
|                  |              |           | RB1#7                 | 21.58                           | -4.5               | 17.08      | 0.051    | 1.000     | Pass    |
|                  |              |           | RB1#14                | 21.46                           | -4.5               | 16.96      | 0.050    | 1.000     | Pass    |
|                  |              |           | RB8#0                 | 20.24                           | -4.5               | 15.74      | 0.037    | 1.000     | Pass    |
|                  |              |           | RB8#4                 | 20.29                           | -4.5               | 15.79      | 0.038    | 1.000     | Pass    |
|                  |              |           | RB8#7                 | 20.23                           | -4.5               | 15.73      | 0.037    | 1.000     | Pass    |
|                  | RB15#0       | 20.22     | -4.5                  | 15.72                           | 0.037              | 1.000      | Pass     |           |         |
|                  | MCH          | QPSK      | RB1#0                 | 22.18                           | -4.5               | 17.68      | 0.059    | 1.000     | Pass    |
|                  |              |           | RB1#7                 | 22.26                           | -4.5               | 17.76      | 0.060    | 1.000     | Pass    |
|                  |              |           | RB1#14                | 22.16                           | -4.5               | 17.66      | 0.058    | 1.000     | Pass    |
|                  |              |           | RB8#0                 | 21.25                           | -4.5               | 16.75      | 0.047    | 1.000     | Pass    |
|                  |              |           | RB8#4                 | 21.14                           | -4.5               | 16.64      | 0.046    | 1.000     | Pass    |
|                  |              |           | RB8#7                 | 21.1                            | -4.5               | 16.60      | 0.046    | 1.000     | Pass    |
|                  |              | RB15#0    | 21.1                  | -4.5                            | 16.60              | 0.046      | 1.000    | Pass      |         |
|                  |              | 16-QAM    | RB1#0                 | 21.37                           | -4.5               | 16.87      | 0.049    | 1.000     | Pass    |
|                  |              |           | RB1#7                 | 21.53                           | -4.5               | 17.03      | 0.050    | 1.000     | Pass    |
| RB1#14           |              |           | 21.49                 | -4.5                            | 16.99              | 0.050      | 1.000    | Pass      |         |
| RB8#0            |              |           | 20.28                 | -4.5                            | 15.78              | 0.038      | 1.000    | Pass      |         |
| RB8#4            |              |           | 20.18                 | -4.5                            | 15.68              | 0.037      | 1.000    | Pass      |         |
| RB8#7            | 20.19        |           | -4.5                  | 15.69                           | 0.037              | 1.000      | Pass     |           |         |
| RB15#0           | 20.11        | -4.5      | 15.61                 | 0.036                           | 1.000              | Pass       |          |           |         |
| HCH              | QPSK         | RB1#0     | 22.14                 | -4.5                            | 17.64              | 0.058      | 1.000    | Pass      |         |
|                  |              | RB1#7     | 22.25                 | -4.5                            | 17.75              | 0.060      | 1.000    | Pass      |         |
|                  |              | RB1#14    | 22.17                 | -4.5                            | 17.67              | 0.058      | 1.000    | Pass      |         |
|                  |              | RB8#0     | 21.18                 | -4.5                            | 16.68              | 0.047      | 1.000    | Pass      |         |
|                  |              | RB8#4     | 21.2                  | -4.5                            | 16.70              | 0.047      | 1.000    | Pass      |         |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |       |      |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|-------|------|
| <b>LTE BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |       |      |
|                  |              | 16-QAM    | RB8#7                 | 21.16                           | -4.5               | 16.66      | 0.046    | 1.000     | Pass    |       |      |
|                  |              |           | RB15#0                | 21.16                           | -4.5               | 16.66      | 0.046    | 1.000     | Pass    |       |      |
|                  |              |           | RB1#0                 | 21.44                           | -4.5               | 16.94      | 0.049    | 1.000     | Pass    |       |      |
|                  |              |           | RB1#7                 | 21.48                           | -4.5               | 16.98      | 0.050    | 1.000     | Pass    |       |      |
|                  |              |           | RB1#14                | 21.46                           | -4.5               | 16.96      | 0.050    | 1.000     | Pass    |       |      |
|                  |              |           | RB8#0                 | 20.23                           | -4.5               | 15.73      | 0.037    | 1.000     | Pass    |       |      |
|                  |              |           | RB8#4                 | 20.27                           | -4.5               | 15.77      | 0.038    | 1.000     | Pass    |       |      |
|                  |              |           | RB8#7                 | 20.23                           | -4.5               | 15.73      | 0.037    | 1.000     | Pass    |       |      |
|                  |              | RB15#0    | 20.22                 | -4.5                            | 15.72              | 0.037      | 1.000    | Pass      |         |       |      |
|                  |              | 5 MHz     | LCH                   | QPSK                            | RB1#0              | 22.21      | -4.5     | 17.71     | 0.059   | 1.000 | Pass |
|                  |              |           |                       |                                 | RB1#13             | 22.28      | -4.5     | 17.78     | 0.060   | 1.000 | Pass |
|                  |              |           |                       |                                 | RB1#24             | 22.22      | -4.5     | 17.72     | 0.059   | 1.000 | Pass |
|                  |              |           |                       |                                 | RB12#0             | 21.16      | -4.5     | 16.66     | 0.046   | 1.000 | Pass |
|                  |              |           |                       |                                 | RB12#6             | 21.24      | -4.5     | 16.74     | 0.047   | 1.000 | Pass |
|                  |              |           |                       |                                 | RB12#13            | 21.21      | -4.5     | 16.71     | 0.047   | 1.000 | Pass |
| RB25#0           | 21.17        |           |                       |                                 | -4.5               | 16.67      | 0.046    | 1.000     | Pass    |       |      |
| 16-QAM           | RB1#0        |           |                       | 21.57                           | -4.5               | 17.07      | 0.051    | 1.000     | Pass    |       |      |
|                  | RB1#13       |           |                       | 21.59                           | -4.5               | 17.09      | 0.051    | 1.000     | Pass    |       |      |
|                  | RB1#24       |           |                       | 21.52                           | -4.5               | 17.02      | 0.050    | 1.000     | Pass    |       |      |
|                  | RB12#0       |           |                       | 20.27                           | -4.5               | 15.77      | 0.038    | 1.000     | Pass    |       |      |
|                  | RB12#6       |           |                       | 20.31                           | -4.5               | 15.81      | 0.038    | 1.000     | Pass    |       |      |
|                  | RB12#13      |           |                       | 20.29                           | -4.5               | 15.79      | 0.038    | 1.000     | Pass    |       |      |
| RB25#0           | 20.18        |           |                       | -4.5                            | 15.68              | 0.037      | 1.000    | Pass      |         |       |      |
| MCH              | QPSK         |           |                       | RB1#0                           | 22.15              | -4.5       | 17.65    | 0.058     | 1.000   | Pass  |      |
|                  |              | RB1#13    | 22.31                 | -4.5                            | 17.81              | 0.060      | 1.000    | Pass      |         |       |      |
|                  |              | RB1#24    | 22.23                 | -4.5                            | 17.73              | 0.059      | 1.000    | Pass      |         |       |      |
|                  |              | RB12#0    | 21.13                 | -4.5                            | 16.63              | 0.046      | 1.000    | Pass      |         |       |      |
|                  |              | RB12#6    | 21.16                 | -4.5                            | 16.66              | 0.046      | 1.000    | Pass      |         |       |      |
|                  |              | RB12#13   | 21.13                 | -4.5                            | 16.63              | 0.046      | 1.000    | Pass      |         |       |      |
|                  |              | RB25#0    | 21.12                 | -4.5                            | 16.62              | 0.046      | 1.000    | Pass      |         |       |      |
|                  | 16-QAM       | RB1#0     | 21.52                 | -4.5                            | 17.02              | 0.050      | 1.000    | Pass      |         |       |      |
|                  |              | RB1#13    | 21.62                 | -4.5                            | 17.12              | 0.052      | 1.000    | Pass      |         |       |      |
|                  |              | RB1#24    | 21.52                 | -4.5                            | 17.02              | 0.050      | 1.000    | Pass      |         |       |      |
|                  |              | RB12#0    | 20                    | -4.5                            | 15.50              | 0.035      | 1.000    | Pass      |         |       |      |
|                  |              | RB12#6    | 20.04                 | -4.5                            | 15.54              | 0.036      | 1.000    | Pass      |         |       |      |
|                  |              | RB12#13   | 20.01                 | -4.5                            | 15.51              | 0.036      | 1.000    | Pass      |         |       |      |
|                  |              | RB25#0    | 20.07                 | -4.5                            | 15.57              | 0.036      | 1.000    | Pass      |         |       |      |
|                  | HCH          | QPSK      | RB1#0                 | 22.11                           | -4.5               | 17.61      | 0.058    | 1.000     | Pass    |       |      |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB1#13                | 22.28                           | -4.5               | 17.78      | 0.060    | 1.000     | Pass    |
|                  |              |           | RB1#24                | 22.19                           | -4.5               | 17.69      | 0.059    | 1.000     | Pass    |
|                  |              |           | RB12#0                | 21.2                            | -4.5               | 16.70      | 0.047    | 1.000     | Pass    |
|                  |              |           | RB12#6                | 21.26                           | -4.5               | 16.76      | 0.047    | 1.000     | Pass    |
|                  |              |           | RB12#13               | 21.22                           | -4.5               | 16.72      | 0.047    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 21.17                           | -4.5               | 16.67      | 0.046    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.51                           | -4.5               | 17.01      | 0.050    | 1.000     | Pass    |
|                  |              |           | RB1#13                | 21.76                           | -4.5               | 17.26      | 0.053    | 1.000     | Pass    |
|                  |              |           | RB1#24                | 21.7                            | -4.5               | 17.20      | 0.052    | 1.000     | Pass    |
|                  |              |           | RB12#0                | 20.3                            | -4.5               | 15.80      | 0.038    | 1.000     | Pass    |
|                  |              |           | RB12#6                | 20.35                           | -4.5               | 15.85      | 0.038    | 1.000     | Pass    |
|                  |              |           | RB12#13               | 20.32                           | -4.5               | 15.82      | 0.038    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 20.21                           | -4.5               | 15.71      | 0.037    | 1.000     | Pass    |
|                  |              |           | 10 MHz                | LCH                             | QPSK               | RB1#0      | 22.08    | -4.5      | 17.58   |
| RB1#25           | 22.25        | -4.5      |                       |                                 |                    | 17.75      | 0.060    | 1.000     | Pass    |
| RB1#49           | 22.18        | -4.5      |                       |                                 |                    | 17.68      | 0.059    | 1.000     | Pass    |
| RB25#0           | 21.19        | -4.5      |                       |                                 |                    | 16.69      | 0.047    | 1.000     | Pass    |
| RB25#13          | 21.2         | -4.5      |                       |                                 |                    | 16.70      | 0.047    | 1.000     | Pass    |
| RB25#25          | 21.22        | -4.5      |                       |                                 |                    | 16.72      | 0.047    | 1.000     | Pass    |
| RB50#0           | 21.21        | -4.5      |                       |                                 |                    | 16.71      | 0.047    | 1.000     | Pass    |
| 16-QAM           | RB1#0        | 21.45     |                       |                                 | -4.5               | 16.95      | 0.050    | 1.000     | Pass    |
|                  | RB1#25       | 21.42     |                       |                                 | -4.5               | 16.92      | 0.049    | 1.000     | Pass    |
|                  | RB1#49       | 21.39     |                       |                                 | -4.5               | 16.89      | 0.049    | 1.000     | Pass    |
|                  | RB25#0       | 20.19     |                       |                                 | -4.5               | 15.69      | 0.037    | 1.000     | Pass    |
|                  | RB25#13      | 20.25     |                       |                                 | -4.5               | 15.75      | 0.038    | 1.000     | Pass    |
|                  | RB25#25      | 20.2      |                       |                                 | -4.5               | 15.70      | 0.037    | 1.000     | Pass    |
|                  | RB50#0       | 20.23     |                       |                                 | -4.5               | 15.73      | 0.037    | 1.000     | Pass    |
| 10 MHz           | MCH          | QPSK      | RB1#0                 | 22.13                           | -4.5               | 17.63      | 0.058    | 1.000     | Pass    |
|                  |              |           | RB1#25                | 22.22                           | -4.5               | 17.72      | 0.059    | 1.000     | Pass    |
|                  |              |           | RB1#49                | 22.15                           | -4.5               | 17.65      | 0.058    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 21.08                           | -4.5               | 16.58      | 0.045    | 1.000     | Pass    |
|                  |              |           | RB25#13               | 21.11                           | -4.5               | 16.61      | 0.046    | 1.000     | Pass    |
|                  |              |           | RB25#25               | 21.15                           | -4.5               | 16.65      | 0.046    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 21.12                           | -4.5               | 16.62      | 0.046    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.52                           | -4.5               | 17.02      | 0.050    | 1.000     | Pass    |
|                  |              |           | RB1#25                | 21.62                           | -4.5               | 17.12      | 0.052    | 1.000     | Pass    |
|                  |              |           | RB1#49                | 21.43                           | -4.5               | 16.93      | 0.049    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 20.15                           | -4.5               | 15.65      | 0.037    | 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          | QPSK      | RB25#13               | 20.18                           | -4.5               | 15.68      | 0.037    | 1.000     | Pass    |
|                  |              |           | RB25#25               | 20.21                           | -4.5               | 15.71      | 0.037    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 20.13                           | -4.5               | 15.63      | 0.037    | 1.000     | Pass    |
|                  |              | QPSK      | RB1#0                 | 22.1                            | -4.5               | 17.60      | 0.058    | 1.000     | Pass    |
|                  |              |           | RB1#25                | 22.23                           | -4.5               | 17.73      | 0.059    | 1.000     | Pass    |
|                  |              |           | RB1#49                | 22.17                           | -4.5               | 17.67      | 0.058    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 21.13                           | -4.5               | 16.63      | 0.046    | 1.000     | Pass    |
|                  |              |           | RB25#13               | 21.23                           | -4.5               | 16.73      | 0.047    | 1.000     | Pass    |
|                  |              |           | RB25#25               | 21.11                           | -4.5               | 16.61      | 0.046    | 1.000     | Pass    |
|                  |              | 16-QAM    | RB50#0                | 21.17                           | -4.5               | 16.67      | 0.046    | 1.000     | Pass    |
|                  |              |           | RB1#0                 | 21.44                           | -4.5               | 16.94      | 0.049    | 1.000     | Pass    |
|                  |              |           | RB1#25                | 21.56                           | -4.5               | 17.06      | 0.051    | 1.000     | Pass    |
|                  |              |           | RB1#49                | 21.47                           | -4.5               | 16.97      | 0.050    | 1.000     | Pass    |
|                  |              |           | RB25#0                | 20.2                            | -4.5               | 15.70      | 0.037    | 1.000     | Pass    |
|                  |              |           | RB25#13               | 20.21                           | -4.5               | 15.71      | 0.037    | 1.000     | Pass    |
|                  | LCH          | QPSK      | RB25#25               | 20.15                           | -4.5               | 15.65      | 0.037    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 20.18                           | -4.5               | 15.68      | 0.037    | 1.000     | Pass    |
|                  |              |           | RB1#0                 | 21.93                           | -4.5               | 17.43      | 0.055    | 1.000     | Pass    |
|                  |              |           | RB1#38                | 22.05                           | -4.5               | 17.55      | 0.057    | 1.000     | Pass    |
|                  |              |           | RB1#74                | 22.07                           | -4.5               | 17.57      | 0.057    | 1.000     | Pass    |
|                  |              |           | RB36#0                | 20.96                           | -4.5               | 16.46      | 0.044    | 1.000     | Pass    |
| RB36#19          |              |           | 21.04                 | -4.5                            | 16.54              | 0.045      | 1.000    | Pass      |         |
| 16-QAM           |              | RB36#39   | 21.09                 | -4.5                            | 16.59              | 0.046      | 1.000    | Pass      |         |
|                  |              | RB75#0    | 21.07                 | -4.5                            | 16.57              | 0.045      | 1.000    | Pass      |         |
|                  |              | RB1#0     | 21.22                 | -4.5                            | 16.72              | 0.047      | 1.000    | Pass      |         |
|                  |              | RB1#38    | 21.35                 | -4.5                            | 16.85              | 0.048      | 1.000    | Pass      |         |
|                  |              | RB1#74    | 21.25                 | -4.5                            | 16.75              | 0.047      | 1.000    | Pass      |         |
|                  |              | RB36#0    | 20.01                 | -4.5                            | 15.51              | 0.036      | 1.000    | Pass      |         |
|                  |              | RB36#19   | 20.08                 | -4.5                            | 15.58              | 0.036      | 1.000    | Pass      |         |
|                  |              | RB36#39   | 20.1                  | -4.5                            | 15.60              | 0.036      | 1.000    | Pass      |         |
| MCH              | QPSK         | RB75#0    | 20.05                 | -4.5                            | 15.55              | 0.036      | 1.000    | Pass      |         |
|                  |              | RB1#0     | 21.98                 | -4.5                            | 17.48              | 0.056      | 1.000    | Pass      |         |
|                  |              | RB1#38    | 22.01                 | -4.5                            | 17.51              | 0.056      | 1.000    | Pass      |         |
|                  |              | RB1#74    | 21.93                 | -4.5                            | 17.43              | 0.055      | 1.000    | Pass      |         |
|                  |              | RB36#0    | 21                    | -4.5                            | 16.50              | 0.045      | 1.000    | Pass      |         |
|                  |              | RB36#19   | 20.97                 | -4.5                            | 16.47              | 0.044      | 1.000    | Pass      |         |
|                  |              | RB36#39   | 20.98                 | -4.5                            | 16.48              | 0.044      | 1.000    | Pass      |         |
| RB75#0           | 20.98        | -4.5      | 16.48                 | 0.044                           | 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                 | 21.26                           | -4.5               | 16.76      | 0.047    | 1.000     | Pass    |
|                  |              |           | RB1#38                | 21.44                           | -4.5               | 16.94      | 0.049    | 1.000     | Pass    |
|                  |              |           | RB1#74                | 21.44                           | -4.5               | 16.94      | 0.049    | 1.000     | Pass    |
|                  |              |           | RB36#0                | 19.96                           | -4.5               | 15.46      | 0.035    | 1.000     | Pass    |
|                  |              |           | RB36#19               | 20                              | -4.5               | 15.50      | 0.035    | 1.000     | Pass    |
|                  |              |           | RB36#39               | 20                              | -4.5               | 15.50      | 0.035    | 1.000     | Pass    |
|                  |              |           | RB75#0                | 20                              | -4.5               | 15.50      | 0.035    | 1.000     | Pass    |
|                  |              | QPSK      | RB1#0                 | 21.92                           | -4.5               | 17.42      | 0.055    | 1.000     | Pass    |
|                  |              |           | RB1#38                | 22                              | -4.5               | 17.50      | 0.056    | 1.000     | Pass    |
|                  |              |           | RB1#74                | 22.06                           | -4.5               | 17.56      | 0.057    | 1.000     | Pass    |
|                  |              |           | RB36#0                | 21.05                           | -4.5               | 16.55      | 0.045    | 1.000     | Pass    |
|                  |              |           | RB36#19               | 21.02                           | -4.5               | 16.52      | 0.045    | 1.000     | Pass    |
|                  |              |           | RB36#39               | 21                              | -4.5               | 16.50      | 0.045    | 1.000     | Pass    |
|                  |              |           | RB75#0                | 21.06                           | -4.5               | 16.56      | 0.045    | 1.000     | Pass    |
|                  | 16-QAM       | RB1#0     | 21.14                 | -4.5                            | 16.64              | 0.046      | 1.000    | Pass      |         |
|                  |              | RB1#38    | 21.27                 | -4.5                            | 16.77              | 0.048      | 1.000    | Pass      |         |
|                  |              | RB1#74    | 21.37                 | -4.5                            | 16.87              | 0.049      | 1.000    | Pass      |         |
|                  |              | RB36#0    | 20.03                 | -4.5                            | 15.53              | 0.036      | 1.000    | Pass      |         |
|                  |              | RB36#19   | 20.09                 | -4.5                            | 15.59              | 0.036      | 1.000    | Pass      |         |
|                  |              | RB36#39   | 19.98                 | -4.5                            | 15.48              | 0.035      | 1.000    | Pass      |         |
|                  |              | RB75#0    | 20.06                 | -4.5                            | 15.56              | 0.036      | 1.000    | Pass      |         |
|                  | LCH          | QPSK      | RB1#0                 | 22.05                           | -4.5               | 17.55      | 0.057    | 1.000     | Pass    |
|                  |              |           | RB1#50                | 22.03                           | -4.5               | 17.53      | 0.057    | 1.000     | Pass    |
|                  |              |           | RB1#99                | 22.06                           | -4.5               | 17.56      | 0.057    | 1.000     | Pass    |
|                  |              |           | RB50#0                | 21.04                           | -4.5               | 16.54      | 0.045    | 1.000     | Pass    |
|                  |              |           | RB50#25               | 21.08                           | -4.5               | 16.58      | 0.045    | 1.000     | Pass    |
|                  |              |           | RB50#50               | 21.06                           | -4.5               | 16.56      | 0.045    | 1.000     | Pass    |
|                  |              |           | RB100#0               | 21.03                           | -4.5               | 16.53      | 0.045    | 1.000     | Pass    |
| 16-QAM           |              | RB1#0     | 21.3                  | -4.5                            | 16.80              | 0.048      | 1.000    | Pass      |         |
|                  |              | RB1#50    | 21.43                 | -4.5                            | 16.93              | 0.049      | 1.000    | Pass      |         |
|                  |              | RB1#99    | 21.45                 | -4.5                            | 16.95              | 0.050      | 1.000    | Pass      |         |
|                  |              | RB50#0    | 20.02                 | -4.5                            | 15.52              | 0.036      | 1.000    | Pass      |         |
|                  |              | RB50#25   | 20.08                 | -4.5                            | 15.58              | 0.036      | 1.000    | Pass      |         |
|                  |              | RB50#50   | 20.07                 | -4.5                            | 15.57              | 0.036      | 1.000    | Pass      |         |
|                  |              | RB100#0   | 20.05                 | -4.5                            | 15.55              | 0.036      | 1.000    | Pass      |         |
| MCH              | QPSK         | RB1#0     | 21.98                 | -4.5                            | 17.48              | 0.056      | 1.000    | Pass      |         |
|                  |              | RB1#50    | 22.05                 | -4.5                            | 17.55              | 0.057      | 1.000    | Pass      |         |
|                  |              | RB1#99    | 22.03                 | -4.5                            | 17.53              | 0.057      | 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                | 20.95                           | -4.5               | 16.45      | 0.044    | 1.000     | Pass    |  |
|                  |              |           | RB50#25               | 20.97                           | -4.5               | 16.47      | 0.044    | 1.000     | Pass    |  |
|                  |              |           | RB50#50               | 20.96                           | -4.5               | 16.46      | 0.044    | 1.000     | Pass    |  |
|                  |              |           | RB100#0               | 20.96                           | -4.5               | 16.46      | 0.044    | 1.000     | Pass    |  |
|                  |              |           | RB1#0                 | 21.34                           | -4.5               | 16.84      | 0.048    | 1.000     | Pass    |  |
|                  |              |           | RB1#50                | 21.41                           | -4.5               | 16.91      | 0.049    | 1.000     | Pass    |  |
|                  |              |           | RB1#99                | 21.34                           | -4.5               | 16.84      | 0.048    | 1.000     | Pass    |  |
|                  |              |           | RB50#0                | 19.95                           | -4.5               | 15.45      | 0.035    | 1.000     | Pass    |  |
|                  |              |           | RB50#25               | 19.96                           | -4.5               | 15.46      | 0.035    | 1.000     | Pass    |  |
|                  |              |           | RB50#50               | 20                              | -4.5               | 15.50      | 0.035    | 1.000     | Pass    |  |
|                  |              | RB100#0   | 19.98                 | -4.5                            | 15.48              | 0.035      | 1.000    | Pass      |         |  |
|                  |              | 16-QAM    | RB1#0                 | 21.94                           | -4.5               | 17.44      | 0.055    | 1.000     | Pass    |  |
|                  |              |           | RB1#50                | 21.98                           | -4.5               | 17.48      | 0.056    | 1.000     | Pass    |  |
|                  |              |           | RB1#99                | 22.01                           | -4.5               | 17.51      | 0.056    | 1.000     | Pass    |  |
|                  |              |           | RB50#0                | 20.98                           | -4.5               | 16.48      | 0.044    | 1.000     | Pass    |  |
|                  |              |           | RB50#25               | 21.05                           | -4.5               | 16.55      | 0.045    | 1.000     | Pass    |  |
|                  |              |           | RB50#50               | 20.96                           | -4.5               | 16.46      | 0.044    | 1.000     | Pass    |  |
|                  |              |           | RB100#0               | 21.01                           | -4.5               | 16.51      | 0.045    | 1.000     | Pass    |  |
|                  | QPSK         |           | RB1#0                 | 21.32                           | -4.5               | 16.82      | 0.048    | 1.000     | Pass    |  |
|                  |              |           | RB1#50                | 21.28                           | -4.5               | 16.78      | 0.048    | 1.000     | Pass    |  |
|                  |              |           | RB1#99                | 21.33                           | -4.5               | 16.83      | 0.048    | 1.000     | Pass    |  |
|                  |              | RB50#0    | 20.02                 | -4.5                            | 15.52              | 0.036      | 1.000    | Pass      |         |  |
|                  |              | RB50#25   | 20.04                 | -4.5                            | 15.54              | 0.036      | 1.000    | Pass      |         |  |
|                  |              | RB50#50   | 19.99                 | -4.5                            | 15.49              | 0.035      | 1.000    | Pass      |         |  |
|                  |              | RB100#0   | 20.02                 | -4.5                            | 15.52              | 0.036      | 1.000    | Pass      |         |  |
|                  |              | 16-QAM    |                       |                                 |                    |            |          |           |         |  |

| 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                 | 23.29                           | -7                 | -9.15              | 14.14     | 0.026   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 23.23                           | -7                 | -9.15              | 14.08     | 0.026   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 23.25                           | -7                 | -9.15              | 14.10     | 0.026   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 23.23                           | -7                 | -9.15              | 14.08     | 0.026   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 23.23                           | -7                 | -9.15              | 14.08     | 0.026   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 23.22                           | -7                 | -9.15              | 14.07     | 0.026   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 22.21                           | -7                 | -9.15              | 13.06     | 0.020   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 22.55                           | -7                 | -9.15              | 13.40     | 0.022   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 22.48                           | -7                 | -9.15              | 13.33     | 0.022   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 22.57                           | -7                 | -9.15              | 13.42     | 0.022   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 22.39                           | -7                 | -9.15              | 13.24     | 0.021   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 22.4                            | -7                 | -9.15              | 13.25     | 0.021   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 22.39                           | -7                 | -9.15              | 13.24     | 0.021   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 21.29                           | -7                 | -9.15              | 12.14     | 0.016   | 7.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 23.39                           | -7                 | -9.15              | 14.24     | 0.027   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 23.42                           | -7                 | -9.15              | 14.27     | 0.027   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 23.3                            | -7                 | -9.15              | 14.15     | 0.026   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 23.29                           | -7                 | -9.15              | 14.14     | 0.026   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 23.35                           | -7                 | -9.15              | 14.20     | 0.026   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 23.37                           | -7                 | -9.15              | 14.22     | 0.026   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 22.27                           | -7                 | -9.15              | 13.12     | 0.021   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 22.46                           | -7                 | -9.15              | 13.31     | 0.021   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 22.61                           | -7                 | -9.15              | 13.46     | 0.022   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 22.58                           | -7                 | -9.15              | 13.43     | 0.022   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 22.49                           | -7                 | -9.15              | 13.34     | 0.022   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 22.55                           | -7                 | -9.15              | 13.40     | 0.022   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 22.54                           | -7                 | -9.15              | 13.39     | 0.022   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 21.34                           | -7                 | -9.15              | 12.19     | 0.017   | 7.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 23.18                           | -7                 | -9.15              | 14.03     | 0.025   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 23.23                           | -7                 | -9.15              | 14.08     | 0.026   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 23.17                           | -7                 | -9.15              | 14.02     | 0.025   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 23.14                           | -7                 | -9.15              | 13.99     | 0.025   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 23.24                           | -7                 | -9.15              | 14.09     | 0.026   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 23.15                           | -7                 | -9.15              | 14.00     | 0.025   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 22.17                           | -7                 | -9.15              | 13.02     | 0.020   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 22.6                            | -7                 | -9.15              | 13.45     | 0.022   | 7.00      | Pass    |
| RB1#3            |              |           | 22.55                 | -7                              | -9.15              | 13.40              | 0.022     | 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                 | 22.49                           | -7                 | -9.15              | 13.34     | 0.022   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 22.3                            | -7                 | -9.15              | 13.15     | 0.021   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 22.34                           | -7                 | -9.15              | 13.19     | 0.021   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 22.43                           | -7                 | -9.15              | 13.28     | 0.021   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 21.21                           | -7                 | -9.15              | 12.06     | 0.016   | 7.00      | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 23.16                           | -7                 | -9.15              | 14.01     | 0.025   | 7.00      | Pass    |
|                  |              |           | RB1#7                 | 23.26                           | -7                 | -9.15              | 14.11     | 0.026   | 7.00      | Pass    |
|                  |              |           | RB1#14                | 23.27                           | -7                 | -9.15              | 14.12     | 0.026   | 7.00      | Pass    |
|                  |              |           | RB8#0                 | 22.24                           | -7                 | -9.15              | 13.09     | 0.020   | 7.00      | Pass    |
|                  |              |           | RB8#4                 | 22.28                           | -7                 | -9.15              | 13.13     | 0.021   | 7.00      | Pass    |
|                  |              |           | RB8#7                 | 22.28                           | -7                 | -9.15              | 13.13     | 0.021   | 7.00      | Pass    |
|                  |              |           | RB15#0                | 22.29                           | -7                 | -9.15              | 13.14     | 0.021   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 22.65                           | -7                 | -9.15              | 13.50     | 0.022   | 7.00      | Pass    |
|                  |              |           | RB1#7                 | 22.7                            | -7                 | -9.15              | 13.55     | 0.023   | 7.00      | Pass    |
|                  |              |           | RB1#14                | 22.55                           | -7                 | -9.15              | 13.40     | 0.022   | 7.00      | Pass    |
|                  |              |           | RB8#0                 | 21.3                            | -7                 | -9.15              | 12.15     | 0.016   | 7.00      | Pass    |
|                  |              |           | RB8#4                 | 21.35                           | -7                 | -9.15              | 12.20     | 0.017   | 7.00      | Pass    |
|                  |              |           | RB8#7                 | 21.31                           | -7                 | -9.15              | 12.16     | 0.016   | 7.00      | Pass    |
|                  |              |           | RB15#0                | 21.31                           | -7                 | -9.15              | 12.16     | 0.016   | 7.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 23.33                           | -7                 | -9.15              | 14.18     | 0.026   | 7.00      | Pass    |
|                  |              |           | RB1#7                 | 23.4                            | -7                 | -9.15              | 14.25     | 0.027   | 7.00      | Pass    |
|                  |              |           | RB1#14                | 23.23                           | -7                 | -9.15              | 14.08     | 0.026   | 7.00      | Pass    |
|                  |              |           | RB8#0                 | 22.32                           | -7                 | -9.15              | 13.17     | 0.021   | 7.00      | Pass    |
|                  |              |           | RB8#4                 | 22.35                           | -7                 | -9.15              | 13.20     | 0.021   | 7.00      | Pass    |
|                  |              |           | RB8#7                 | 22.36                           | -7                 | -9.15              | 13.21     | 0.021   | 7.00      | Pass    |
|                  |              |           | RB15#0                | 22.3                            | -7                 | -9.15              | 13.15     | 0.021   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 22.78                           | -7                 | -9.15              | 13.63     | 0.023   | 7.00      | Pass    |
| RB1#7            |              |           | 22.87                 | -7                              | -9.15              | 13.72              | 0.024     | 7.00    | Pass      |         |
| RB1#14           |              |           | 22.86                 | -7                              | -9.15              | 13.71              | 0.023     | 7.00    | Pass      |         |
| RB8#0            |              |           | 21.44                 | -7                              | -9.15              | 12.29              | 0.017     | 7.00    | Pass      |         |
| RB8#4            |              |           | 21.42                 | -7                              | -9.15              | 12.27              | 0.017     | 7.00    | Pass      |         |
| RB8#7            |              |           | 21.52                 | -7                              | -9.15              | 12.37              | 0.017     | 7.00    | Pass      |         |
| RB15#0           |              |           | 21.32                 | -7                              | -9.15              | 12.17              | 0.016     | 7.00    | Pass      |         |
| HCH              | QPSK         | RB1#0     | 23.17                 | -7                              | -9.15              | 14.02              | 0.025     | 7.00    | Pass      |         |
|                  |              | RB1#7     | 23.25                 | -7                              | -9.15              | 14.10              | 0.026     | 7.00    | Pass      |         |
|                  |              | RB1#14    | 23.18                 | -7                              | -9.15              | 14.03              | 0.025     | 7.00    | Pass      |         |
|                  |              | RB8#0     | 22.21                 | -7                              | -9.15              | 13.06              | 0.020     | 7.00    | Pass      |         |
|                  |              | RB8#4     | 22.26                 | -7                              | -9.15              | 13.11              | 0.020     | 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                 | 22.21                           | -7                 | -9.15              | 13.06     | 0.020   | 7.00      | Pass    |       |       |
|                  |              |           | RB15#0                | 22.2                            | -7                 | -9.15              | 13.05     | 0.020   | 7.00      | Pass    |       |       |
|                  |              |           | RB1#0                 | 22.5                            | -7                 | -9.15              | 13.35     | 0.022   | 7.00      | Pass    |       |       |
|                  |              |           | RB1#7                 | 22.57                           | -7                 | -9.15              | 13.42     | 0.022   | 7.00      | Pass    |       |       |
|                  |              |           | RB1#14                | 22.56                           | -7                 | -9.15              | 13.41     | 0.022   | 7.00      | Pass    |       |       |
|                  |              |           | RB8#0                 | 21.3                            | -7                 | -9.15              | 12.15     | 0.016   | 7.00      | Pass    |       |       |
|                  |              |           | RB8#4                 | 21.34                           | -7                 | -9.15              | 12.19     | 0.017   | 7.00      | Pass    |       |       |
|                  |              |           | RB8#7                 | 21.3                            | -7                 | -9.15              | 12.15     | 0.016   | 7.00      | Pass    |       |       |
|                  |              |           |                       |                                 | RB15#0             | 21.27              | -7        | -9.15   | 12.12     | 0.016   | 7.00  | Pass  |
|                  |              | 5 MHz     | LCH                   | QPSK                            | RB1#0              | 23.22              | -7        | -9.15   | 14.07     | 0.026   | 7.00  | Pass  |
|                  |              |           |                       |                                 | RB1#13             | 23.38              | -7        | -9.15   | 14.23     | 0.026   | 7.00  | Pass  |
|                  |              |           |                       |                                 | RB1#24             | 23.27              | -7        | -9.15   | 14.12     | 0.026   | 7.00  | Pass  |
|                  |              |           |                       |                                 | RB12#0             | 22.21              | -7        | -9.15   | 13.06     | 0.020   | 7.00  | Pass  |
|                  |              |           |                       |                                 | RB12#6             | 22.32              | -7        | -9.15   | 13.17     | 0.021   | 7.00  | Pass  |
|                  |              |           |                       |                                 | RB12#13            | 22.3               | -7        | -9.15   | 13.15     | 0.021   | 7.00  | Pass  |
|                  |              |           |                       |                                 |                    |                    | RB25#0    | 22.28   | -7        | -9.15   | 13.13 | 0.021 |
|                  |              |           |                       | 16-QAM                          | RB1#0              | 22.53              | -7        | -9.15   | 13.38     | 0.022   | 7.00  | Pass  |
|                  |              |           |                       |                                 | RB1#13             | 22.72              | -7        | -9.15   | 13.57     | 0.023   | 7.00  | Pass  |
|                  |              |           |                       |                                 | RB1#24             | 22.65              | -7        | -9.15   | 13.50     | 0.022   | 7.00  | Pass  |
|                  |              |           |                       |                                 | RB12#0             | 21.24              | -7        | -9.15   | 12.09     | 0.016   | 7.00  | Pass  |
|                  |              |           |                       |                                 | RB12#6             | 21.41              | -7        | -9.15   | 12.26     | 0.017   | 7.00  | Pass  |
|                  |              |           | RB12#13               |                                 | 21.36              | -7                 | -9.15     | 12.21   | 0.017     | 7.00    | Pass  |       |
|                  |              |           |                       | RB25#0                          | 21.34              | -7                 | -9.15     | 12.19   | 0.017     | 7.00    | Pass  |       |
|                  | MCH          |           | QPSK                  | RB1#0                           | 23.33              | -7                 | -9.15     | 14.18   | 0.026     | 7.00    | Pass  |       |
|                  |              |           |                       |                                 | RB1#13             | 23.51              | -7        | -9.15   | 14.36     | 0.027   | 7.00  | Pass  |
|                  |              |           |                       |                                 | RB1#24             | 23.33              | -7        | -9.15   | 14.18     | 0.026   | 7.00  | Pass  |
|                  |              |           |                       |                                 | RB12#0             | 22.32              | -7        | -9.15   | 13.17     | 0.021   | 7.00  | Pass  |
|                  |              |           |                       |                                 | RB12#6             | 22.35              | -7        | -9.15   | 13.20     | 0.021   | 7.00  | Pass  |
|                  |              |           |                       |                                 | RB12#13            | 22.39              | -7        | -9.15   | 13.24     | 0.021   | 7.00  | Pass  |
|                  |              |           |                       |                                 | RB25#0             | 22.31              | -7        | -9.15   | 13.16     | 0.021   | 7.00  | Pass  |
|                  |              |           |                       | 16-QAM                          | RB1#0              | 22.85              | -7        | -9.15   | 13.70     | 0.023   | 7.00  | Pass  |
|                  |              |           |                       |                                 | RB1#13             | 22.87              | -7        | -9.15   | 13.72     | 0.024   | 7.00  | Pass  |
|                  |              |           |                       |                                 | RB1#24             | 22.68              | -7        | -9.15   | 13.53     | 0.023   | 7.00  | Pass  |
|                  |              |           | RB12#0                |                                 | 21.35              | -7                 | -9.15     | 12.20   | 0.017     | 7.00    | Pass  |       |
|                  |              |           | RB12#6                |                                 | 21.36              | -7                 | -9.15     | 12.21   | 0.017     | 7.00    | Pass  |       |
|                  |              | RB12#13   | 21.41                 |                                 | -7                 | -9.15              | 12.26     | 0.017   | 7.00      | Pass    |       |       |
|                  |              |           | RB25#0                | 21.32                           | -7                 | -9.15              | 12.17     | 0.016   | 7.00      | Pass    |       |       |
|                  | HCH          | QPSK      | RB1#0                 | 23.2                            | -7                 | -9.15              | 14.05     | 0.025   | 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                | 23.21                           | -7                 | -9.15              | 14.06     | 0.025   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 23.2                            | -7                 | -9.15              | 14.05     | 0.025   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 22.15                           | -7                 | -9.15              | 13.00     | 0.020   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 22.25                           | -7                 | -9.15              | 13.10     | 0.020   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 22.19                           | -7                 | -9.15              | 13.04     | 0.020   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 22.14                           | -7                 | -9.15              | 12.99     | 0.020   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 22.76                           | -7                 | -9.15              | 13.61     | 0.023   | 7.00      | Pass    |
|                  |              |           | RB1#13                | 22.84                           | -7                 | -9.15              | 13.69     | 0.023   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 22.59                           | -7                 | -9.15              | 13.44     | 0.022   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 21.22                           | -7                 | -9.15              | 12.07     | 0.016   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 21.31                           | -7                 | -9.15              | 12.16     | 0.016   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 21.25                           | -7                 | -9.15              | 12.10     | 0.016   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 21.18                           | -7                 | -9.15              | 12.03     | 0.016   | 7.00      | Pass    |
|                  |              |           | 10 MHz                | LCH                             | QPSK               | RB1#0              | 23.24     | -7      | -9.15     | 14.09   |
| RB1#25           | 23.35        | -7        |                       |                                 |                    | -9.15              | 14.20     | 0.026   | 7.00      | Pass    |
| RB1#49           | 23.31        | -7        |                       |                                 |                    | -9.15              | 14.16     | 0.026   | 7.00      | Pass    |
| RB25#0           | 22.24        | -7        |                       |                                 |                    | -9.15              | 13.09     | 0.020   | 7.00      | Pass    |
| RB25#13          | 22.35        | -7        |                       |                                 |                    | -9.15              | 13.20     | 0.021   | 7.00      | Pass    |
| RB25#25          | 22.34        | -7        |                       |                                 |                    | -9.15              | 13.19     | 0.021   | 7.00      | Pass    |
| RB50#0           | 22.34        | -7        |                       |                                 |                    | -9.15              | 13.19     | 0.021   | 7.00      | Pass    |
| 16-QAM           | RB1#0        | 22.6      |                       |                                 | -7                 | -9.15              | 13.45     | 0.022   | 7.00      | Pass    |
|                  | RB1#25       | 22.66     |                       |                                 | -7                 | -9.15              | 13.51     | 0.022   | 7.00      | Pass    |
|                  | RB1#49       | 22.72     |                       |                                 | -7                 | -9.15              | 13.57     | 0.023   | 7.00      | Pass    |
|                  | RB25#0       | 21.24     |                       |                                 | -7                 | -9.15              | 12.09     | 0.016   | 7.00      | Pass    |
|                  | RB25#13      | 21.34     |                       |                                 | -7                 | -9.15              | 12.19     | 0.017   | 7.00      | Pass    |
|                  | RB25#25      | 21.28     |                       |                                 | -7                 | -9.15              | 12.13     | 0.016   | 7.00      | Pass    |
|                  | RB50#0       | 21.3      |                       |                                 | -7                 | -9.15              | 12.15     | 0.016   | 7.00      | Pass    |
| MCH              | QPSK         | RB1#0     | 23.34                 | -7                              | -9.15              | 14.19              | 0.026     | 7.00    | Pass      |         |
|                  |              | RB1#25    | 23.4                  | -7                              | -9.15              | 14.25              | 0.027     | 7.00    | Pass      |         |
|                  |              | RB1#49    | 23.26                 | -7                              | -9.15              | 14.11              | 0.026     | 7.00    | Pass      |         |
|                  |              | RB25#0    | 22.31                 | -7                              | -9.15              | 13.16              | 0.021     | 7.00    | Pass      |         |
|                  |              | RB25#13   | 22.34                 | -7                              | -9.15              | 13.19              | 0.021     | 7.00    | Pass      |         |
|                  |              | RB25#25   | 22.35                 | -7                              | -9.15              | 13.20              | 0.021     | 7.00    | Pass      |         |
|                  |              | RB50#0    | 22.32                 | -7                              | -9.15              | 13.17              | 0.021     | 7.00    | Pass      |         |
|                  | 16-QAM       | RB1#0     | 22.72                 | -7                              | -9.15              | 13.57              | 0.023     | 7.00    | Pass      |         |
|                  |              | RB1#25    | 22.86                 | -7                              | -9.15              | 13.71              | 0.023     | 7.00    | Pass      |         |
|                  |              | RB1#49    | 22.77                 | -7                              | -9.15              | 13.62              | 0.023     | 7.00    | Pass      |         |
|                  |              | RB25#0    | 21.3                  | -7                              | -9.15              | 12.15              | 0.016     | 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               | 21.32                           | -7                 | -9.15              | 12.17     | 0.016   | 7.00      | Pass    |       |      |      |
|                  |              |           | RB25#25               | 21.38                           | -7                 | -9.15              | 12.23     | 0.017   | 7.00      | Pass    |       |      |      |
|                  |              |           | RB50#0                | 21.33                           | -7                 | -9.15              | 12.18     | 0.017   | 7.00      | Pass    |       |      |      |
|                  |              | HCH       | QPSK                  | RB1#0                           | 23.33              | -7                 | -9.15     | 14.18   | 0.026     | 7.00    | Pass  |      |      |
|                  |              |           |                       | RB1#25                          | 23.26              | -7                 | -9.15     | 14.11   | 0.026     | 7.00    | Pass  |      |      |
|                  |              |           |                       | RB1#49                          | 23.14              | -7                 | -9.15     | 13.99   | 0.025     | 7.00    | Pass  |      |      |
|                  |              |           |                       | RB25#0                          | 22.32              | -7                 | -9.15     | 13.17   | 0.021     | 7.00    | Pass  |      |      |
|                  |              |           |                       | RB25#13                         | 22.31              | -7                 | -9.15     | 13.16   | 0.021     | 7.00    | Pass  |      |      |
|                  |              |           |                       | RB25#25                         | 22.23              | -7                 | -9.15     | 13.08   | 0.020     | 7.00    | Pass  |      |      |
|                  |              |           |                       | RB50#0                          | 22.26              | -7                 | -9.15     | 13.11   | 0.020     | 7.00    | Pass  |      |      |
|                  |              |           |                       | 16-QAM                          | RB1#0              | 22.71              | -7        | -9.15   | 13.56     | 0.023   | 7.00  | Pass |      |
|                  |              |           |                       |                                 | RB1#25             | 22.59              | -7        | -9.15   | 13.44     | 0.022   | 7.00  | Pass |      |
|                  |              |           | RB1#49                |                                 | 22.5               | -7                 | -9.15     | 13.35   | 0.022     | 7.00    | Pass  |      |      |
|                  |              |           | RB25#0                |                                 | 21.3               | -7                 | -9.15     | 12.15   | 0.016     | 7.00    | Pass  |      |      |
|                  |              |           | RB25#13               |                                 | 21.3               | -7                 | -9.15     | 12.15   | 0.016     | 7.00    | Pass  |      |      |
|                  |              |           | RB25#25               |                                 | 21.22              | -7                 | -9.15     | 12.07   | 0.016     | 7.00    | Pass  |      |      |
|                  |              |           |                       |                                 |                    | RB50#0             | 21.27     | -7      | -9.15     | 12.12   | 0.016 | 7.00 | Pass |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND7</b> |              |           |                       |                                 |                    |            |          |           |         |
| 5 MHz            | LCH          | QPSK      | RB1#0                 | 21.97                           | -0.8               | 21.17      | 0.131    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 21.99                           | -0.8               | 21.19      | 0.132    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 21.85                           | -0.8               | 21.05      | 0.127    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 20.89                           | -0.8               | 20.09      | 0.102    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 20.86                           | -0.8               | 20.06      | 0.101    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 20.86                           | -0.8               | 20.06      | 0.101    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.88                           | -0.8               | 20.08      | 0.102    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.24                           | -0.8               | 20.44      | 0.111    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 21.32                           | -0.8               | 20.52      | 0.113    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 21.21                           | -0.8               | 20.41      | 0.110    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 19.99                           | -0.8               | 19.19      | 0.083    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 20.03                           | -0.8               | 19.23      | 0.084    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 19.94                           | -0.8               | 19.14      | 0.082    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 19.94                           | -0.8               | 19.14      | 0.082    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 21.78                           | -0.8               | 20.98      | 0.125    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 21.88                           | -0.8               | 21.08      | 0.128    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 21.69                           | -0.8               | 20.89      | 0.123    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 20.76                           | -0.8               | 19.96      | 0.099    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 20.77                           | -0.8               | 19.97      | 0.099    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 20.67                           | -0.8               | 19.87      | 0.097    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.68                           | -0.8               | 19.88      | 0.097    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.11                           | -0.8               | 20.31      | 0.107    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 21.13                           | -0.8               | 20.33      | 0.108    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 21.09                           | -0.8               | 20.29      | 0.107    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 19.81                           | -0.8               | 19.01      | 0.080    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 19.83                           | -0.8               | 19.03      | 0.080    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 19.72                           | -0.8               | 18.92      | 0.078    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 19.71                           | -0.8               | 18.91      | 0.078    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 21.64                           | -0.8               | 20.84      | 0.121    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 21.69                           | -0.8               | 20.89      | 0.123    | 2.00      | Pass    |
| RB1#24           |              |           | 21.59                 | -0.8                            | 20.79              | 0.120      | 2.00     | Pass      |         |
| RB12#0           |              |           | 20.64                 | -0.8                            | 19.84              | 0.096      | 2.00     | Pass      |         |
| RB12#6           |              |           | 20.67                 | -0.8                            | 19.87              | 0.097      | 2.00     | Pass      |         |
| RB12#13          |              |           | 20.63                 | -0.8                            | 19.83              | 0.096      | 2.00     | Pass      |         |
| RB25#0           |              |           | 20.63                 | -0.8                            | 19.83              | 0.096      | 2.00     | Pass      |         |
| 16-QAM           |              | RB1#0     | 21.08                 | -0.8                            | 20.28              | 0.107      | 2.00     | Pass      |         |
|                  |              | RB1#13    | 21.29                 | -0.8                            | 20.49              | 0.112      | 2.00     | Pass      |         |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND7</b> |              |           |                       |                                 |                    |            |          |           |         |
| 10 MHz           |              |           | RB1#24                | 21.01                           | -0.8               | 20.21      | 0.105    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 19.72                           | -0.8               | 18.92      | 0.078    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 19.75                           | -0.8               | 18.95      | 0.079    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 19.66                           | -0.8               | 18.86      | 0.077    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 19.67                           | -0.8               | 18.87      | 0.077    | 2.00      | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 21.93                           | -0.8               | 21.13      | 0.130    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 21.96                           | -0.8               | 21.16      | 0.131    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 21.83                           | -0.8               | 21.03      | 0.127    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.9                            | -0.8               | 20.10      | 0.102    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 20.95                           | -0.8               | 20.15      | 0.104    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 20.91                           | -0.8               | 20.11      | 0.103    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB50#0                | 20.89                           | -0.8               | 20.09      | 0.102    | 2.00      | Pass    |
|                  |              |           | RB1#0                 | 21.16                           | -0.8               | 20.36      | 0.109    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 21.19                           | -0.8               | 20.39      | 0.109    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 21.21                           | -0.8               | 20.41      | 0.110    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 19.93                           | -0.8               | 19.13      | 0.082    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 19.92                           | -0.8               | 19.12      | 0.082    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 19.85                           | -0.8               | 19.05      | 0.080    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB50#0                | 19.88                           | -0.8               | 19.08      | 0.081    | 2.00      | Pass    |
|                  |              |           | RB1#0                 | 21.81                           | -0.8               | 21.01      | 0.126    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 21.82                           | -0.8               | 21.02      | 0.126    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 21.65                           | -0.8               | 20.85      | 0.122    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.76                           | -0.8               | 19.96      | 0.099    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 20.73                           | -0.8               | 19.93      | 0.098    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB25#25               | 20.64                           | -0.8               | 19.84      | 0.096    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.7                            | -0.8               | 19.90      | 0.098    | 2.00      | Pass    |
|                  |              |           | RB1#0                 | 21.28                           | -0.8               | 20.48      | 0.112    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 21.28                           | -0.8               | 20.48      | 0.112    | 2.00      | Pass    |
| RB1#49           |              |           | 21.13                 | -0.8                            | 20.33              | 0.108      | 2.00     | Pass      |         |
| RB25#0           |              |           | 19.79                 | -0.8                            | 18.99              | 0.079      | 2.00     | Pass      |         |
| HCH              | QPSK         | RB25#13   | 19.79                 | -0.8                            | 18.99              | 0.079      | 2.00     | Pass      |         |
|                  |              | RB25#25   | 19.74                 | -0.8                            | 18.94              | 0.078      | 2.00     | Pass      |         |
|                  |              | RB50#0    | 19.7                  | -0.8                            | 18.90              | 0.078      | 2.00     | Pass      |         |
|                  |              | RB1#0     | 21.68                 | -0.8                            | 20.88              | 0.122      | 2.00     | Pass      |         |
|                  |              | RB1#25    | 21.69                 | -0.8                            | 20.89              | 0.123      | 2.00     | Pass      |         |
|                  |              |           | RB1#49                | 21.56                           | -0.8               | 20.76      | 0.119    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.63                           | -0.8               | 19.83      | 0.096    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 20.68                           | -0.8               | 19.88      | 0.097    | 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> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              | 16-QAM    | RB25#25               | 20.67                           | -0.8               | 19.87      | 0.097    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.67                           | -0.8               | 19.87      | 0.097    | 2.00      | Pass    |
|                  |              |           | RB1#0                 | 21.02                           | -0.8               | 20.22      | 0.105    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 20.99                           | -0.8               | 20.19      | 0.104    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 20.99                           | -0.8               | 20.19      | 0.104    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 19.71                           | -0.8               | 18.91      | 0.078    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 19.78                           | -0.8               | 18.98      | 0.079    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 19.7                            | -0.8               | 18.90      | 0.078    | 2.00      | Pass    |
|                  |              | QPSK      | RB1#0                 | 21.64                           | -0.8               | 20.84      | 0.121    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 21.64                           | -0.8               | 20.84      | 0.121    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 21.63                           | -0.8               | 20.83      | 0.121    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 20.68                           | -0.8               | 19.88      | 0.097    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 20.72                           | -0.8               | 19.92      | 0.098    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 20.65                           | -0.8               | 19.85      | 0.097    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 20.7                            | -0.8               | 19.90      | 0.098    | 2.00      | Pass    |
| 16-QAM           | RB1#0        | 20.92     | -0.8                  | 20.12                           | 0.103              | 2.00       | Pass     |           |         |
|                  | RB1#38       | 20.98     | -0.8                  | 20.18                           | 0.104              | 2.00       | Pass     |           |         |
|                  | RB1#74       | 20.76     | -0.8                  | 19.96                           | 0.099              | 2.00       | Pass     |           |         |
|                  | RB36#0       | 19.73     | -0.8                  | 18.93                           | 0.078              | 2.00       | Pass     |           |         |
|                  | RB36#19      | 19.74     | -0.8                  | 18.94                           | 0.078              | 2.00       | Pass     |           |         |
|                  | RB36#39      | 19.7      | -0.8                  | 18.90                           | 0.078              | 2.00       | Pass     |           |         |
|                  | RB75#0       | 19.77     | -0.8                  | 18.97                           | 0.079              | 2.00       | Pass     |           |         |
| MCH              | QPSK         | RB1#0     | 21.48                 | -0.8                            | 20.68              | 0.117      | 2.00     | Pass      |         |
|                  |              | RB1#38    | 21.58                 | -0.8                            | 20.78              | 0.120      | 2.00     | Pass      |         |
|                  |              | RB1#74    | 21.44                 | -0.8                            | 20.64              | 0.116      | 2.00     | Pass      |         |
|                  |              | RB36#0    | 20.63                 | -0.8                            | 19.83              | 0.096      | 2.00     | Pass      |         |
|                  |              | RB36#19   | 20.56                 | -0.8                            | 19.76              | 0.095      | 2.00     | Pass      |         |
|                  |              | RB36#39   | 20.53                 | -0.8                            | 19.73              | 0.094      | 2.00     | Pass      |         |
|                  |              | RB75#0    | 20.55                 | -0.8                            | 19.75              | 0.094      | 2.00     | Pass      |         |
|                  | 16-QAM       | RB1#0     | 20.9                  | -0.8                            | 20.10              | 0.102      | 2.00     | Pass      |         |
|                  |              | RB1#38    | 21                    | -0.8                            | 20.20              | 0.105      | 2.00     | Pass      |         |
|                  |              | RB1#74    | 20.83                 | -0.8                            | 20.03              | 0.101      | 2.00     | Pass      |         |
|                  |              | RB36#0    | 19.61                 | -0.8                            | 18.81              | 0.076      | 2.00     | Pass      |         |
|                  |              | RB36#19   | 19.51                 | -0.8                            | 18.71              | 0.074      | 2.00     | Pass      |         |
|                  |              | RB36#39   | 19.51                 | -0.8                            | 18.71              | 0.074      | 2.00     | Pass      |         |
| RB75#0           | 19.56        | -0.8      | 18.76                 | 0.075                           | 2.00               | Pass       |          |           |         |
| HCH              | QPSK         | RB1#0     | 21.45                 | -0.8                            | 20.65              | 0.116      | 2.00     | Pass      |         |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND7</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB1#38                | 21.45                           | -0.8               | 20.65      | 0.116    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 21.34                           | -0.8               | 20.54      | 0.113    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 20.56                           | -0.8               | 19.76      | 0.095    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 20.54                           | -0.8               | 19.74      | 0.094    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 20.41                           | -0.8               | 19.61      | 0.091    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 20.52                           | -0.8               | 19.72      | 0.094    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 20.75                           | -0.8               | 19.95      | 0.099    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 20.79                           | -0.8               | 19.99      | 0.100    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 20.64                           | -0.8               | 19.84      | 0.096    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 19.54                           | -0.8               | 18.74      | 0.075    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 19.54                           | -0.8               | 18.74      | 0.075    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 19.44                           | -0.8               | 18.64      | 0.073    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 19.54                           | -0.8               | 18.74      | 0.075    | 2.00      | Pass    |
|                  |              |           | 20 MHz                | LCH                             | QPSK               | RB1#0      | 21.68    | -0.8      | 20.88   |
| RB1#50           | 21.59        | -0.8      |                       |                                 |                    | 20.79      | 0.120    | 2.00      | Pass    |
| RB1#99           | 21.55        | -0.8      |                       |                                 |                    | 20.75      | 0.119    | 2.00      | Pass    |
| RB50#0           | 20.73        | -0.8      |                       |                                 |                    | 19.93      | 0.098    | 2.00      | Pass    |
| RB50#25          | 20.73        | -0.8      |                       |                                 |                    | 19.93      | 0.098    | 2.00      | Pass    |
| RB50#50          | 20.68        | -0.8      |                       |                                 |                    | 19.88      | 0.097    | 2.00      | Pass    |
| RB100#0          | 20.72        | -0.8      |                       |                                 |                    | 19.92      | 0.098    | 2.00      | Pass    |
| 16-QAM           | RB1#0        | 21.06     |                       |                                 | -0.8               | 20.26      | 0.106    | 2.00      | Pass    |
|                  | RB1#50       | 20.94     |                       |                                 | -0.8               | 20.14      | 0.103    | 2.00      | Pass    |
|                  | RB1#99       | 20.87     |                       |                                 | -0.8               | 20.07      | 0.102    | 2.00      | Pass    |
|                  | RB50#0       | 19.76     |                       |                                 | -0.8               | 18.96      | 0.079    | 2.00      | Pass    |
|                  | RB50#25      | 19.74     |                       |                                 | -0.8               | 18.94      | 0.078    | 2.00      | Pass    |
|                  | RB50#50      | 19.69     |                       |                                 | -0.8               | 18.89      | 0.077    | 2.00      | Pass    |
|                  | RB100#0      | 19.73     |                       |                                 | -0.8               | 18.93      | 0.078    | 2.00      | Pass    |
| MCH              | QPSK         | RB1#0     | 21.62                 | -0.8                            | 20.82              | 0.121      | 2.00     | Pass      |         |
|                  |              | RB1#50    | 21.57                 | -0.8                            | 20.77              | 0.119      | 2.00     | Pass      |         |
|                  |              | RB1#99    | 21.44                 | -0.8                            | 20.64              | 0.116      | 2.00     | Pass      |         |
|                  |              | RB50#0    | 20.64                 | -0.8                            | 19.84              | 0.096      | 2.00     | Pass      |         |
|                  |              | RB50#25   | 20.6                  | -0.8                            | 19.80              | 0.095      | 2.00     | Pass      |         |
|                  |              | RB50#50   | 20.55                 | -0.8                            | 19.75              | 0.094      | 2.00     | Pass      |         |
|                  |              | RB100#0   | 20.57                 | -0.8                            | 19.77              | 0.095      | 2.00     | Pass      |         |
|                  | 16-QAM       | RB1#0     | 21.06                 | -0.8                            | 20.26              | 0.106      | 2.00     | Pass      |         |
|                  |              | RB1#50    | 20.96                 | -0.8                            | 20.16              | 0.104      | 2.00     | Pass      |         |
|                  |              | RB1#99    | 20.94                 | -0.8                            | 20.14              | 0.103      | 2.00     | Pass      |         |
|                  |              | RB50#0    | 19.65                 | -0.8                            | 18.85              | 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 BAND7</b> |              |           |                       |                                 |                    |            |          |           |         |      |      |
|                  |              |           | RB50#25               | 19.58                           | -0.8               | 18.78      | 0.076    | 2.00      | Pass    |      |      |
|                  |              |           | RB50#50               | 19.54                           | -0.8               | 18.74      | 0.075    | 2.00      | Pass    |      |      |
|                  |              |           | RB100#0               | 19.54                           | -0.8               | 18.74      | 0.075    | 2.00      | Pass    |      |      |
|                  | HCH          | QPSK      | RB1#0                 | 21.43                           | -0.8               | 20.63      | 0.116    | 2.00      | Pass    |      |      |
|                  |              |           | RB1#50                | 21.47                           | -0.8               | 20.67      | 0.117    | 2.00      | Pass    |      |      |
|                  |              |           | RB1#99                | 21.39                           | -0.8               | 20.59      | 0.115    | 2.00      | Pass    |      |      |
|                  |              |           | RB50#0                | 20.58                           | -0.8               | 19.78      | 0.095    | 2.00      | Pass    |      |      |
|                  |              |           | RB50#25               | 20.58                           | -0.8               | 19.78      | 0.095    | 2.00      | Pass    |      |      |
|                  |              |           | RB50#50               | 20.45                           | -0.8               | 19.65      | 0.092    | 2.00      | Pass    |      |      |
|                  |              |           | RB100#0               | 20.56                           | -0.8               | 19.76      | 0.095    | 2.00      | Pass    |      |      |
|                  |              |           | 16-QAM                | RB1#0                           | 20.75              | -0.8       | 19.95    | 0.099     | 2.00    | Pass |      |
|                  |              |           |                       | RB1#50                          | 20.83              | -0.8       | 20.03    | 0.101     | 2.00    | Pass |      |
|                  |              | RB1#99    |                       | 20.68                           | -0.8               | 19.88      | 0.097    | 2.00      | Pass    |      |      |
|                  |              | RB50#0    |                       | 19.53                           | -0.8               | 18.73      | 0.075    | 2.00      | Pass    |      |      |
|                  |              | RB50#25   |                       | 19.59                           | -0.8               | 18.79      | 0.076    | 2.00      | Pass    |      |      |
|                  |              | RB50#50   |                       | 19.42                           | -0.8               | 18.62      | 0.073    | 2.00      | Pass    |      |      |
|                  |              |           |                       |                                 | RB100#0            | 19.58      | -0.8     | 18.78     | 0.076   | 2.00 | Pass |



| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND12</b> |              |           |                       |                              |                    |                    |           |         |           |         |
| 1.4 MHz           | LCH          | QPSK      | RB1#0                 | 22.97                        | -7.7               | -9.85              | 13.12     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB1#3                 | 23.06                        | -7.7               | -9.85              | 13.21     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB1#5                 | 23.01                        | -7.7               | -9.85              | 13.16     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB3#0                 | 23.02                        | -7.7               | -9.85              | 13.17     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB3#2                 | 23.01                        | -7.7               | -9.85              | 13.16     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB3#3                 | 22.98                        | -7.7               | -9.85              | 13.13     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB6#0                 | 22                           | -7.7               | -9.85              | 12.15     | 0.016   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.35                        | -7.7               | -9.85              | 12.50     | 0.018   | 3.000     | Pass    |
|                   |              |           | RB1#3                 | 22.34                        | -7.7               | -9.85              | 12.49     | 0.018   | 3.000     | Pass    |
|                   |              |           | RB1#5                 | 22.37                        | -7.7               | -9.85              | 12.52     | 0.018   | 3.000     | Pass    |
|                   |              |           | RB3#0                 | 22.19                        | -7.7               | -9.85              | 12.34     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB3#2                 | 22.22                        | -7.7               | -9.85              | 12.37     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB3#3                 | 22.24                        | -7.7               | -9.85              | 12.39     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB6#0                 | 21.07                        | -7.7               | -9.85              | 11.22     | 0.013   | 3.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.04                        | -7.7               | -9.85              | 13.19     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB1#3                 | 23.07                        | -7.7               | -9.85              | 13.22     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB1#5                 | 23.04                        | -7.7               | -9.85              | 13.19     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB3#0                 | 22.98                        | -7.7               | -9.85              | 13.13     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB3#2                 | 23.02                        | -7.7               | -9.85              | 13.17     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB3#3                 | 22.99                        | -7.7               | -9.85              | 13.14     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB6#0                 | 21.95                        | -7.7               | -9.85              | 12.10     | 0.016   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.14                        | -7.7               | -9.85              | 12.29     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB1#3                 | 22.28                        | -7.7               | -9.85              | 12.43     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB1#5                 | 22.14                        | -7.7               | -9.85              | 12.29     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB3#0                 | 22.18                        | -7.7               | -9.85              | 12.33     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB3#2                 | 22.23                        | -7.7               | -9.85              | 12.38     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB3#3                 | 22.23                        | -7.7               | -9.85              | 12.38     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB6#0                 | 21                           | -7.7               | -9.85              | 11.15     | 0.013   | 3.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.95                        | -7.7               | -9.85              | 13.10     | 0.020   | 3.000     | Pass    |
|                   |              |           | RB1#3                 | 22.98                        | -7.7               | -9.85              | 13.13     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB1#5                 | 22.15                        | -7.7               | -9.85              | 12.30     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB3#0                 | 22.98                        | -7.7               | -9.85              | 13.13     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB3#2                 | 22.98                        | -7.7               | -9.85              | 13.13     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB3#3                 | 23                           | -7.7               | -9.85              | 13.15     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB6#0                 | 21.94                        | -7.7               | -9.85              | 12.09     | 0.016   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.31                        | -7.7               | -9.85              | 12.46     | 0.018   | 3.000     | Pass    |
| RB1#3             |              |           | 22.37                 | -7.7                         | -9.85              | 12.52              | 0.018     | 3.000   | Pass      |         |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenn a Gain (dBi) | Antenn a Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|---------------------|---------------------|-----------|---------|-----------|---------|
| <b>LTE BAND12</b> |              |           |                        |                                 |                     |                     |           |         |           |         |
| 3 MHz             |              |           | RB1#5                  | 21.56                           | -7.7                | -9.85               | 11.71     | 0.015   | 3.000     | Pass    |
|                   |              |           | RB3#0                  | 22.07                           | -7.7                | -9.85               | 12.22     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB3#2                  | 22.15                           | -7.7                | -9.85               | 12.30     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB3#3                  | 22.07                           | -7.7                | -9.85               | 12.22     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB6#0                  | 21                              | -7.7                | -9.85               | 11.15     | 0.013   | 3.000     | Pass    |
|                   | LCH          | QPSK      | RB1#0                  | 22.9                            | -7.7                | -9.85               | 13.05     | 0.020   | 3.000     | Pass    |
|                   |              |           | RB1#7                  | 22.99                           | -7.7                | -9.85               | 13.14     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB1#14                 | 22.91                           | -7.7                | -9.85               | 13.06     | 0.020   | 3.000     | Pass    |
|                   |              |           | RB8#0                  | 22.03                           | -7.7                | -9.85               | 12.18     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB8#4                  | 22.04                           | -7.7                | -9.85               | 12.19     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB8#7                  | 22.02                           | -7.7                | -9.85               | 12.17     | 0.016   | 3.000     | Pass    |
|                   |              |           | RB15#0                 | 22.07                           | -7.7                | -9.85               | 12.22     | 0.017   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.49                           | -7.7                | -9.85               | 12.64     | 0.018   | 3.000     | Pass    |
|                   |              |           | RB1#7                  | 22.6                            | -7.7                | -9.85               | 12.75     | 0.019   | 3.000     | Pass    |
|                   |              |           | RB1#14                 | 22.37                           | -7.7                | -9.85               | 12.52     | 0.018   | 3.000     | Pass    |
|                   |              |           | RB8#0                  | 21.08                           | -7.7                | -9.85               | 11.23     | 0.013   | 3.000     | Pass    |
|                   |              |           | RB8#4                  | 21.12                           | -7.7                | -9.85               | 11.27     | 0.013   | 3.000     | Pass    |
|                   |              |           | RB8#7                  | 21.1                            | -7.7                | -9.85               | 11.25     | 0.013   | 3.000     | Pass    |
|                   |              |           | RB15#0                 | 21.01                           | -7.7                | -9.85               | 11.16     | 0.013   | 3.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 23.03                           | -7.7                | -9.85               | 13.18     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB1#7                  | 23.18                           | -7.7                | -9.85               | 13.33     | 0.022   | 3.000     | Pass    |
|                   |              |           | RB1#14                 | 23.06                           | -7.7                | -9.85               | 13.21     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB8#0                  | 22                              | -7.7                | -9.85               | 12.15     | 0.016   | 3.000     | Pass    |
|                   |              |           | RB8#4                  | 22.08                           | -7.7                | -9.85               | 12.23     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB8#7                  | 22.06                           | -7.7                | -9.85               | 12.21     | 0.017   | 3.000     | Pass    |
| RB15#0            |              |           | 21.99                  | -7.7                            | -9.85               | 12.14               | 0.016     | 3.000   | Pass      |         |
| 16-QAM            |              | RB1#0     | 22.36                  | -7.7                            | -9.85               | 12.51               | 0.018     | 3.000   | Pass      |         |
|                   |              | RB1#7     | 22.43                  | -7.7                            | -9.85               | 12.58               | 0.018     | 3.000   | Pass      |         |
|                   |              | RB1#14    | 22.27                  | -7.7                            | -9.85               | 12.42               | 0.017     | 3.000   | Pass      |         |
|                   |              | RB8#0     | 21.09                  | -7.7                            | -9.85               | 11.24               | 0.013     | 3.000   | Pass      |         |
|                   |              | RB8#4     | 21.15                  | -7.7                            | -9.85               | 11.30               | 0.013     | 3.000   | Pass      |         |
|                   |              | RB8#7     | 21.16                  | -7.7                            | -9.85               | 11.31               | 0.014     | 3.000   | Pass      |         |
|                   |              | RB15#0    | 21.09                  | -7.7                            | -9.85               | 11.24               | 0.013     | 3.000   | Pass      |         |
| HCH               | QPSK         | RB1#0     | 22.94                  | -7.7                            | -9.85               | 13.09               | 0.020     | 3.000   | Pass      |         |
|                   |              | RB1#7     | 23.06                  | -7.7                            | -9.85               | 13.21               | 0.021     | 3.000   | Pass      |         |
|                   |              | RB1#14    | 22.13                  | -7.7                            | -9.85               | 12.28               | 0.017     | 3.000   | Pass      |         |
|                   |              | RB8#0     | 21.91                  | -7.7                            | -9.85               | 12.06               | 0.016     | 3.000   | Pass      |         |
|                   |              | RB8#4     | 21.99                  | -7.7                            | -9.85               | 12.14               | 0.016     | 3.000   | Pass      |         |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenn a Gain (dBi) | Antenn a Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |       |      |
|-------------------|--------------|-----------|------------------------|---------------------------------|---------------------|---------------------|-----------|---------|-----------|---------|-------|------|
| <b>LTE BAND12</b> |              |           |                        |                                 |                     |                     |           |         |           |         |       |      |
|                   |              | 16-QAM    | RB8#7                  | 21.97                           | -7.7                | -9.85               | 12.12     | 0.016   | 3.000     | Pass    |       |      |
|                   |              |           | RB15#0                 | 22                              | -7.7                | -9.85               | 12.15     | 0.016   | 3.000     | Pass    |       |      |
|                   |              |           | RB1#0                  | 22.21                           | -7.7                | -9.85               | 12.36     | 0.017   | 3.000     | Pass    |       |      |
|                   |              |           | RB1#7                  | 22.33                           | -7.7                | -9.85               | 12.48     | 0.018   | 3.000     | Pass    |       |      |
|                   |              |           | RB1#14                 | 21.41                           | -7.7                | -9.85               | 11.56     | 0.014   | 3.000     | Pass    |       |      |
|                   |              |           | RB8#0                  | 21                              | -7.7                | -9.85               | 11.15     | 0.013   | 3.000     | Pass    |       |      |
|                   |              |           | RB8#4                  | 21.12                           | -7.7                | -9.85               | 11.27     | 0.013   | 3.000     | Pass    |       |      |
|                   |              |           | RB8#7                  | 21.04                           | -7.7                | -9.85               | 11.19     | 0.013   | 3.000     | Pass    |       |      |
|                   |              | RB15#0    | 21.01                  | -7.7                            | -9.85               | 11.16               | 0.013     | 3.000   | Pass      |         |       |      |
|                   |              | 5 MHz     | LCH                    | QPSK                            | RB1#0               | 23.04               | -7.7      | -9.85   | 13.19     | 0.021   | 3.000 | Pass |
|                   |              |           |                        |                                 | RB1#13              | 23.14               | -7.7      | -9.85   | 13.29     | 0.021   | 3.000 | Pass |
|                   |              |           |                        |                                 | RB1#24              | 22.98               | -7.7      | -9.85   | 13.13     | 0.021   | 3.000 | Pass |
|                   |              |           |                        |                                 | RB12#0              | 21.95               | -7.7      | -9.85   | 12.10     | 0.016   | 3.000 | Pass |
|                   |              |           |                        |                                 | RB12#6              | 22.06               | -7.7      | -9.85   | 12.21     | 0.017   | 3.000 | Pass |
|                   |              |           |                        |                                 | RB12#13             | 22.02               | -7.7      | -9.85   | 12.17     | 0.016   | 3.000 | Pass |
| RB25#0            | 22.04        |           |                        |                                 | -7.7                | -9.85               | 12.19     | 0.017   | 3.000     | Pass    |       |      |
| 16-QAM            | RB1#0        |           |                        | 22.43                           | -7.7                | -9.85               | 12.58     | 0.018   | 3.000     | Pass    |       |      |
|                   | RB1#13       |           |                        | 22.52                           | -7.7                | -9.85               | 12.67     | 0.018   | 3.000     | Pass    |       |      |
|                   | RB1#24       |           |                        | 22.44                           | -7.7                | -9.85               | 12.59     | 0.018   | 3.000     | Pass    |       |      |
|                   | RB12#0       |           |                        | 21                              | -7.7                | -9.85               | 11.15     | 0.013   | 3.000     | Pass    |       |      |
|                   | RB12#6       |           |                        | 21.12                           | -7.7                | -9.85               | 11.27     | 0.013   | 3.000     | Pass    |       |      |
|                   | RB12#13      |           |                        | 21.09                           | -7.7                | -9.85               | 11.24     | 0.013   | 3.000     | Pass    |       |      |
|                   | RB25#0       |           |                        | 21.08                           | -7.7                | -9.85               | 11.23     | 0.013   | 3.000     | Pass    |       |      |
| MCH               | QPSK         |           | RB1#0                  | 23.03                           | -7.7                | -9.85               | 13.18     | 0.021   | 3.000     | Pass    |       |      |
|                   |              |           | RB1#13                 | 23.13                           | -7.7                | -9.85               | 13.28     | 0.021   | 3.000     | Pass    |       |      |
|                   |              |           | RB1#24                 | 23.05                           | -7.7                | -9.85               | 13.20     | 0.021   | 3.000     | Pass    |       |      |
|                   |              |           | RB12#0                 | 22                              | -7.7                | -9.85               | 12.15     | 0.016   | 3.000     | Pass    |       |      |
|                   |              |           | RB12#6                 | 22                              | -7.7                | -9.85               | 12.15     | 0.016   | 3.000     | Pass    |       |      |
|                   |              |           | RB12#13                | 22.05                           | -7.7                | -9.85               | 12.20     | 0.017   | 3.000     | Pass    |       |      |
|                   |              |           | RB25#0                 | 21.98                           | -7.7                | -9.85               | 12.13     | 0.016   | 3.000     | Pass    |       |      |
|                   | 16-QAM       | RB1#0     | 22.5                   | -7.7                            | -9.85               | 12.65               | 0.018     | 3.000   | Pass      |         |       |      |
|                   |              | RB1#13    | 22.54                  | -7.7                            | -9.85               | 12.69               | 0.019     | 3.000   | Pass      |         |       |      |
|                   |              | RB1#24    | 22.47                  | -7.7                            | -9.85               | 12.62               | 0.018     | 3.000   | Pass      |         |       |      |
|                   |              | RB12#0    | 21.05                  | -7.7                            | -9.85               | 11.20               | 0.013     | 3.000   | Pass      |         |       |      |
|                   |              | RB12#6    | 21.07                  | -7.7                            | -9.85               | 11.22               | 0.013     | 3.000   | Pass      |         |       |      |
|                   |              | RB12#13   | 21.11                  | -7.7                            | -9.85               | 11.26               | 0.013     | 3.000   | Pass      |         |       |      |
|                   |              | RB25#0    | 21.03                  | -7.7                            | -9.85               | 11.18               | 0.013     | 3.000   | Pass      |         |       |      |
| HCH               | QPSK         | RB1#0     | 23.02                  | -7.7                            | -9.85               | 13.17               | 0.021     | 3.000   | Pass      |         |       |      |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenn a Gain (dBi) | Antenn a Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|---------------------|---------------------|-----------|---------|-----------|---------|
| <b>LTE BAND12</b> |              |           |                        |                                 |                     |                     |           |         |           |         |
|                   |              |           | RB1#13                 | 23.19                           | -7.7                | -9.85               | 13.34     | 0.022   | 3.000     | Pass    |
|                   |              |           | RB1#24                 | 23.06                           | -7.7                | -9.85               | 13.21     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB12#0                 | 21.93                           | -7.7                | -9.85               | 12.08     | 0.016   | 3.000     | Pass    |
|                   |              |           | RB12#6                 | 22.06                           | -7.7                | -9.85               | 12.21     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB12#13                | 21.99                           | -7.7                | -9.85               | 12.14     | 0.016   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 21.97                           | -7.7                | -9.85               | 12.12     | 0.016   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.34                           | -7.7                | -9.85               | 12.49     | 0.018   | 3.000     | Pass    |
|                   |              |           | RB1#13                 | 22.4                            | -7.7                | -9.85               | 12.55     | 0.018   | 3.000     | Pass    |
|                   |              |           | RB1#24                 | 22.44                           | -7.7                | -9.85               | 12.59     | 0.018   | 3.000     | Pass    |
|                   |              |           | RB12#0                 | 20.92                           | -7.7                | -9.85               | 11.07     | 0.013   | 3.000     | Pass    |
|                   |              |           | RB12#6                 | 21.03                           | -7.7                | -9.85               | 11.18     | 0.013   | 3.000     | Pass    |
|                   |              |           | RB12#13                | 20.96                           | -7.7                | -9.85               | 11.11     | 0.013   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 21.04                           | -7.7                | -9.85               | 11.19     | 0.013   | 3.000     | Pass    |
|                   |              |           | 10 MHz                 | LCH                             | QPSK                | RB1#0               | 22.94     | -7.7    | -9.85     | 13.09   |
| RB1#25            | 23.07        | -7.7      |                        |                                 |                     | -9.85               | 13.22     | 0.021   | 3.000     | Pass    |
| RB1#49            | 23           | -7.7      |                        |                                 |                     | -9.85               | 13.15     | 0.021   | 3.000     | Pass    |
| RB25#0            | 21.98        | -7.7      |                        |                                 |                     | -9.85               | 12.13     | 0.016   | 3.000     | Pass    |
| RB25#13           | 22.09        | -7.7      |                        |                                 |                     | -9.85               | 12.24     | 0.017   | 3.000     | Pass    |
| RB25#25           | 22.05        | -7.7      |                        |                                 |                     | -9.85               | 12.20     | 0.017   | 3.000     | Pass    |
| RB50#0            | 22.06        | -7.7      |                        |                                 |                     | -9.85               | 12.21     | 0.017   | 3.000     | Pass    |
| 16-QAM            | RB1#0        | 22.49     |                        | -7.7                            | -9.85               | 12.64               | 0.018     | 3.000   | Pass      |         |
|                   | RB1#25       | 22.43     |                        | -7.7                            | -9.85               | 12.58               | 0.018     | 3.000   | Pass      |         |
|                   | RB1#49       | 22.34     |                        | -7.7                            | -9.85               | 12.49               | 0.018     | 3.000   | Pass      |         |
|                   | RB25#0       | 20.96     |                        | -7.7                            | -9.85               | 11.11               | 0.013     | 3.000   | Pass      |         |
|                   | RB25#13      | 21.14     |                        | -7.7                            | -9.85               | 11.29               | 0.013     | 3.000   | Pass      |         |
|                   | RB25#25      | 21.09     |                        | -7.7                            | -9.85               | 11.24               | 0.013     | 3.000   | Pass      |         |
|                   | RB50#0       | 21.07     |                        | -7.7                            | -9.85               | 11.22               | 0.013     | 3.000   | Pass      |         |
| MCH               | QPSK         | RB1#0     | 23.04                  | -7.7                            | -9.85               | 13.19               | 0.021     | 3.000   | Pass      |         |
|                   |              | RB1#25    | 23.12                  | -7.7                            | -9.85               | 13.27               | 0.021     | 3.000   | Pass      |         |
|                   |              | RB1#49    | 23.06                  | -7.7                            | -9.85               | 13.21               | 0.021     | 3.000   | Pass      |         |
|                   |              | RB25#0    | 21.98                  | -7.7                            | -9.85               | 12.13               | 0.016     | 3.000   | Pass      |         |
|                   |              | RB25#13   | 22.03                  | -7.7                            | -9.85               | 12.18               | 0.017     | 3.000   | Pass      |         |
|                   |              | RB25#25   | 22.08                  | -7.7                            | -9.85               | 12.23               | 0.017     | 3.000   | Pass      |         |
|                   |              | RB50#0    | 21.98                  | -7.7                            | -9.85               | 12.13               | 0.016     | 3.000   | Pass      |         |
|                   | 16-QAM       | RB1#0     | 22.33                  | -7.7                            | -9.85               | 12.48               | 0.018     | 3.000   | Pass      |         |
|                   |              | RB1#25    | 22.44                  | -7.7                            | -9.85               | 12.59               | 0.018     | 3.000   | Pass      |         |
|                   |              | RB1#49    | 22.36                  | -7.7                            | -9.85               | 12.51               | 0.018     | 3.000   | Pass      |         |
|                   |              |           | RB25#0                 | 20.98                           | -7.7                | -9.85               | 11.13     | 0.013   | 3.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |       |       |      |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|-------|-------|------|
| <b>LTE BAND12</b> |              |           |                       |                                 |                    |                    |           |         |           |         |       |       |      |
|                   |              |           | RB25#13               | 21.02                           | -7.7               | -9.85              | 11.17     | 0.013   | 3.000     | Pass    |       |       |      |
|                   |              |           | RB25#25               | 21.05                           | -7.7               | -9.85              | 11.20     | 0.013   | 3.000     | Pass    |       |       |      |
|                   |              |           | RB50#0                | 20.99                           | -7.7               | -9.85              | 11.14     | 0.013   | 3.000     | Pass    |       |       |      |
|                   |              | HCH       | QPSK                  | RB1#0                           | 23.06              | -7.7               | -9.85     | 13.21   | 0.021     | 3.000   | Pass  |       |      |
|                   |              |           |                       | RB1#25                          | 23.06              | -7.7               | -9.85     | 13.21   | 0.021     | 3.000   | Pass  |       |      |
|                   |              |           |                       | RB1#49                          | 22.92              | -7.7               | -9.85     | 13.07   | 0.020     | 3.000   | Pass  |       |      |
|                   |              |           |                       | RB25#0                          | 21.96              | -7.7               | -9.85     | 12.11   | 0.016     | 3.000   | Pass  |       |      |
|                   |              |           |                       | RB25#13                         | 21.98              | -7.7               | -9.85     | 12.13   | 0.016     | 3.000   | Pass  |       |      |
|                   |              |           |                       | RB25#25                         | 21.98              | -7.7               | -9.85     | 12.13   | 0.016     | 3.000   | Pass  |       |      |
|                   |              |           |                       | RB50#0                          | 21.93              | -7.7               | -9.85     | 12.08   | 0.016     | 3.000   | Pass  |       |      |
|                   |              |           |                       | 16-QAM                          | RB1#0              | 22.42              | -7.7      | -9.85   | 12.57     | 0.018   | 3.000 | Pass  |      |
|                   |              |           |                       |                                 | RB1#25             | 22.34              | -7.7      | -9.85   | 12.49     | 0.018   | 3.000 | Pass  |      |
|                   |              |           | RB1#49                |                                 | 22.32              | -7.7               | -9.85     | 12.47   | 0.018     | 3.000   | Pass  |       |      |
|                   |              |           | RB25#0                |                                 | 21.03              | -7.7               | -9.85     | 11.18   | 0.013     | 3.000   | Pass  |       |      |
|                   |              |           | RB25#13               |                                 | 20.98              | -7.7               | -9.85     | 11.13   | 0.013     | 3.000   | Pass  |       |      |
|                   |              |           | RB25#25               |                                 | 21.06              | -7.7               | -9.85     | 11.21   | 0.013     | 3.000   | Pass  |       |      |
|                   |              |           |                       |                                 |                    | RB50#0             | 20.96     | -7.7    | -9.85     | 11.11   | 0.013 | 3.000 | Pass |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND13</b> |              |           |                       |                              |                    |                    |           |         |           |         |
| 5 MHz             | LCH          | QPSK      | RB1#0                 | 23.16                        | -7.6               | -9.75              | 13.41     | 0.022   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 23.24                        | -7.6               | -9.75              | 13.49     | 0.022   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 23.12                        | -7.6               | -9.75              | 13.37     | 0.022   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 22.06                        | -7.6               | -9.75              | 12.31     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 22.18                        | -7.6               | -9.75              | 12.43     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 22.2                         | -7.6               | -9.75              | 12.45     | 0.018   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 22.17                        | -7.6               | -9.75              | 12.42     | 0.017   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.5                         | -7.6               | -9.75              | 12.75     | 0.019   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 22.63                        | -7.6               | -9.75              | 12.88     | 0.019   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 22.55                        | -7.6               | -9.75              | 12.80     | 0.019   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 21.16                        | -7.6               | -9.75              | 11.41     | 0.014   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 21.26                        | -7.6               | -9.75              | 11.51     | 0.014   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 21.29                        | -7.6               | -9.75              | 11.54     | 0.014   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.18                        | -7.6               | -9.75              | 11.43     | 0.014   | 3.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.17                        | -7.6               | -9.75              | 13.42     | 0.022   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 23.3                         | -7.6               | -9.75              | 13.55     | 0.023   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 23.29                        | -7.6               | -9.75              | 13.54     | 0.023   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 22.13                        | -7.6               | -9.75              | 12.38     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 22.14                        | -7.6               | -9.75              | 12.39     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 22.22                        | -7.6               | -9.75              | 12.47     | 0.018   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 22.1                         | -7.6               | -9.75              | 12.35     | 0.017   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.63                        | -7.6               | -9.75              | 12.88     | 0.019   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 22.62                        | -7.6               | -9.75              | 12.87     | 0.019   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 22.63                        | -7.6               | -9.75              | 12.88     | 0.019   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 21.12                        | -7.6               | -9.75              | 11.37     | 0.014   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 21.17                        | -7.6               | -9.75              | 11.42     | 0.014   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 21.18                        | -7.6               | -9.75              | 11.43     | 0.014   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.13                        | -7.6               | -9.75              | 11.38     | 0.014   | 3.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 23.24                        | -7.6               | -9.75              | 13.49     | 0.022   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 23.33                        | -7.6               | -9.75              | 13.58     | 0.023   | 3.000     | Pass    |
| RB1#24            |              |           | 23.21                 | -7.6                         | -9.75              | 13.46              | 0.022     | 3.000   | Pass      |         |
| RB12#0            |              |           | 22.16                 | -7.6                         | -9.75              | 12.41              | 0.017     | 3.000   | Pass      |         |
| RB12#6            |              |           | 22.23                 | -7.6                         | -9.75              | 12.48              | 0.018     | 3.000   | Pass      |         |
| RB12#13           |              |           | 22.25                 | -7.6                         | -9.75              | 12.50              | 0.018     | 3.000   | Pass      |         |
| RB25#0            |              |           | 22.16                 | -7.6                         | -9.75              | 12.41              | 0.017     | 3.000   | Pass      |         |
| 16-QAM            |              | RB1#0     | 22.49                 | -7.6                         | -9.75              | 12.74              | 0.019     | 3.000   | Pass      |         |
|                   |              | RB1#13    | 22.64                 | -7.6                         | -9.75              | 12.89              | 0.019     | 3.000   | Pass      |         |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND13</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 10 MHz            | MCH          | QPSK      | RB1#24                | 22.73                           | -7.6               | -9.75              | 12.98     | 0.020   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 21.1                            | -7.6               | -9.75              | 11.35     | 0.014   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 21.24                           | -7.6               | -9.75              | 11.49     | 0.014   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 21.2                            | -7.6               | -9.75              | 11.45     | 0.014   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.2                            | -7.6               | -9.75              | 11.45     | 0.014   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.12                           | -7.6               | -9.75              | 13.37     | 0.022   | 3.000     | Pass    |
|                   |              |           | RB1#25                | 23.19                           | -7.6               | -9.75              | 13.44     | 0.022   | 3.000     | Pass    |
|                   |              |           | RB1#49                | 23.25                           | -7.6               | -9.75              | 13.50     | 0.022   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 22.15                           | -7.6               | -9.75              | 12.40     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB25#13               | 22.18                           | -7.6               | -9.75              | 12.43     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB25#25               | 22.16                           | -7.6               | -9.75              | 12.41     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB50#0                | 22.14                           | -7.6               | -9.75              | 12.39     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB1#0                 | 22.59                           | -7.6               | -9.75              | 12.84     | 0.019   | 3.000     | Pass    |
|                   |              |           | RB1#25                | 22.56                           | -7.6               | -9.75              | 12.81     | 0.019   | 3.000     | Pass    |
| RB1#49            | 22.57        | -7.6      | -9.75                 | 12.82                           | 0.019              | 3.000              | Pass      |         |           |         |
| RB25#0            | 21.15        | -7.6      | -9.75                 | 11.40                           | 0.014              | 3.000              | Pass      |         |           |         |
| RB25#13           | 21.16        | -7.6      | -9.75                 | 11.41                           | 0.014              | 3.000              | Pass      |         |           |         |
| RB25#25           | 21.16        | -7.6      | -9.75                 | 11.41                           | 0.014              | 3.000              | Pass      |         |           |         |
| RB50#0            | 21.14        | -7.6      | -9.75                 | 11.39                           | 0.014              | 3.000              | Pass      |         |           |         |



| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND17</b> |              |           |                       |                              |                    |                    |           |         |           |         |
| 5 MHz             | LCH          | QPSK      | RB1#0                 | 22.99                        | -7.7               | -9.85              | 13.14     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 23.15                        | -7.7               | -9.85              | 13.30     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 22.98                        | -7.7               | -9.85              | 13.13     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 21.96                        | -7.7               | -9.85              | 12.11     | 0.016   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 22.07                        | -7.7               | -9.85              | 12.22     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 22.05                        | -7.7               | -9.85              | 12.20     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 22.06                        | -7.7               | -9.85              | 12.21     | 0.017   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.31                        | -7.7               | -9.85              | 12.46     | 0.018   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 22.42                        | -7.7               | -9.85              | 12.57     | 0.018   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 22.48                        | -7.7               | -9.85              | 12.63     | 0.018   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 21.03                        | -7.7               | -9.85              | 11.18     | 0.013   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 21.17                        | -7.7               | -9.85              | 11.32     | 0.014   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 21.13                        | -7.7               | -9.85              | 11.28     | 0.013   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.07                        | -7.7               | -9.85              | 11.22     | 0.013   | 3.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.06                        | -7.7               | -9.85              | 13.21     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 23.17                        | -7.7               | -9.85              | 13.32     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 22.99                        | -7.7               | -9.85              | 13.14     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 21.95                        | -7.7               | -9.85              | 12.10     | 0.016   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 21.98                        | -7.7               | -9.85              | 12.13     | 0.016   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 21.98                        | -7.7               | -9.85              | 12.13     | 0.016   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.96                        | -7.7               | -9.85              | 12.11     | 0.016   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.42                        | -7.7               | -9.85              | 12.57     | 0.018   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 22.46                        | -7.7               | -9.85              | 12.61     | 0.018   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 22.43                        | -7.7               | -9.85              | 12.58     | 0.018   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 21.04                        | -7.7               | -9.85              | 11.19     | 0.013   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 21.06                        | -7.7               | -9.85              | 11.21     | 0.013   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 21.05                        | -7.7               | -9.85              | 11.20     | 0.013   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21                           | -7.7               | -9.85              | 11.15     | 0.013   | 3.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.98                        | -7.7               | -9.85              | 13.13     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB1#13                | 23.08                        | -7.7               | -9.85              | 13.23     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB1#24                | 22.86                        | -7.7               | -9.85              | 13.01     | 0.020   | 3.000     | Pass    |
|                   |              |           | RB12#0                | 21.94                        | -7.7               | -9.85              | 12.09     | 0.016   | 3.000     | Pass    |
|                   |              |           | RB12#6                | 21.96                        | -7.7               | -9.85              | 12.11     | 0.016   | 3.000     | Pass    |
|                   |              |           | RB12#13               | 22                           | -7.7               | -9.85              | 12.15     | 0.016   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 21.91                        | -7.7               | -9.85              | 12.06     | 0.016   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.35                        | -7.7               | -9.85              | 12.50     | 0.018   | 3.000     | Pass    |
| RB1#13            |              |           | 22.57                 | -7.7                         | -9.85              | 12.72              | 0.019     | 3.000   | Pass      |         |



| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenn a Gain (dBi) | Antenn a Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|---------------------|---------------------|-----------|---------|-----------|---------|
| <b>LTE BAND17</b> |              |           |                        |                                 |                     |                     |           |         |           |         |
| 10 MHz            |              |           | RB1#24                 | 22.38                           | -7.7                | -9.85               | 12.53     | 0.018   | 3.000     | Pass    |
|                   |              |           | RB12#0                 | 21.02                           | -7.7                | -9.85               | 11.17     | 0.013   | 3.000     | Pass    |
|                   |              |           | RB12#6                 | 21.07                           | -7.7                | -9.85               | 11.22     | 0.013   | 3.000     | Pass    |
|                   |              |           | RB12#13                | 21.11                           | -7.7                | -9.85               | 11.26     | 0.013   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 20.99                           | -7.7                | -9.85               | 11.14     | 0.013   | 3.000     | Pass    |
|                   | LCH          | QPSK      | RB1#0                  | 23.02                           | -7.7                | -9.85               | 13.17     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB1#25                 | 23.03                           | -7.7                | -9.85               | 13.18     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB1#49                 | 22.93                           | -7.7                | -9.85               | 13.08     | 0.020   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 21.91                           | -7.7                | -9.85               | 12.06     | 0.016   | 3.000     | Pass    |
|                   |              |           | RB25#13                | 22.06                           | -7.7                | -9.85               | 12.21     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB25#25                | 22.04                           | -7.7                | -9.85               | 12.19     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB50#0                 | 22.02                           | -7.7                | -9.85               | 12.17     | 0.016   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.26                           | -7.7                | -9.85               | 12.41     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB1#25                 | 22.27                           | -7.7                | -9.85               | 12.42     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB1#49                 | 22.28                           | -7.7                | -9.85               | 12.43     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 21.02                           | -7.7                | -9.85               | 11.17     | 0.013   | 3.000     | Pass    |
|                   |              |           | RB25#13                | 21.1                            | -7.7                | -9.85               | 11.25     | 0.013   | 3.000     | Pass    |
|                   |              |           | RB25#25                | 21.06                           | -7.7                | -9.85               | 11.21     | 0.013   | 3.000     | Pass    |
|                   |              |           | RB50#0                 | 21.05                           | -7.7                | -9.85               | 11.20     | 0.013   | 3.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 23                              | -7.7                | -9.85               | 13.15     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB1#25                 | 23.02                           | -7.7                | -9.85               | 13.17     | 0.021   | 3.000     | Pass    |
|                   |              |           | RB1#49                 | 22.93                           | -7.7                | -9.85               | 13.08     | 0.020   | 3.000     | Pass    |
|                   |              |           | RB25#0                 | 22                              | -7.7                | -9.85               | 12.15     | 0.016   | 3.000     | Pass    |
|                   |              |           | RB25#13                | 21.93                           | -7.7                | -9.85               | 12.08     | 0.016   | 3.000     | Pass    |
|                   |              |           | RB25#25                | 21.99                           | -7.7                | -9.85               | 12.14     | 0.016   | 3.000     | Pass    |
| RB50#0            |              |           | 21.95                  | -7.7                            | -9.85               | 12.10               | 0.016     | 3.000   | Pass      |         |
| 16-QAM            |              | RB1#0     | 22.35                  | -7.7                            | -9.85               | 12.50               | 0.018     | 3.000   | Pass      |         |
|                   |              | RB1#25    | 22.38                  | -7.7                            | -9.85               | 12.53               | 0.018     | 3.000   | Pass      |         |
|                   |              | RB1#49    | 22.34                  | -7.7                            | -9.85               | 12.49               | 0.018     | 3.000   | Pass      |         |
|                   |              | RB25#0    | 20.98                  | -7.7                            | -9.85               | 11.13               | 0.013     | 3.000   | Pass      |         |
|                   |              | RB25#13   | 20.97                  | -7.7                            | -9.85               | 11.12               | 0.013     | 3.000   | Pass      |         |
|                   |              | RB25#25   | 21                     | -7.7                            | -9.85               | 11.15               | 0.013     | 3.000   | Pass      |         |
|                   |              | RB50#0    | 20.95                  | -7.7                            | -9.85               | 11.10               | 0.013     | 3.000   | Pass      |         |
| HCH               | QPSK         | RB1#0     | 23.02                  | -7.7                            | -9.85               | 13.17               | 0.021     | 3.000   | Pass      |         |
|                   |              | RB1#25    | 23.06                  | -7.7                            | -9.85               | 13.21               | 0.021     | 3.000   | Pass      |         |
|                   |              | RB1#49    | 22.96                  | -7.7                            | -9.85               | 13.11               | 0.020     | 3.000   | Pass      |         |
|                   |              | RB25#0    | 22                     | -7.7                            | -9.85               | 12.15               | 0.016     | 3.000   | Pass      |         |
|                   |              | RB25#13   | 21.95                  | -7.7                            | -9.85               | 12.10               | 0.016     | 3.000   | Pass      |         |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND17</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                   |              |           | RB25#25               | 21.98                           | -7.7               | -9.85              | 12.13     | 0.016   | 3.000     | Pass    |
|                   |              |           | RB50#0                | 21.97                           | -7.7               | -9.85              | 12.12     | 0.016   | 3.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.33                           | -7.7               | -9.85              | 12.48     | 0.018   | 3.000     | Pass    |
|                   |              |           | RB1#25                | 22.35                           | -7.7               | -9.85              | 12.50     | 0.018   | 3.000     | Pass    |
|                   |              |           | RB1#49                | 22.26                           | -7.7               | -9.85              | 12.41     | 0.017   | 3.000     | Pass    |
|                   |              |           | RB25#0                | 20.95                           | -7.7               | -9.85              | 11.10     | 0.013   | 3.000     | Pass    |
|                   |              |           | RB25#13               | 21                              | -7.7               | -9.85              | 11.15     | 0.013   | 3.000     | Pass    |
|                   |              |           | RB25#25               | 21.07                           | -7.7               | -9.85              | 11.22     | 0.013   | 3.000     | Pass    |
|                   |              |           | RB50#0                | 20.96                           | -7.7               | -9.85              | 11.11     | 0.013   | 3.000     | Pass    |

| Test BW                    | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|----------------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND26 (Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 1.4 MHz                    | LCH          | QPSK      | RB1#0                 | 23.16                           | -7                 | -9.15              | 14.01     | 0.025   | 7.000     | Pass    |
|                            |              |           | RB1#3                 | 23.3                            | -7                 | -9.15              | 14.15     | 0.026   | 7.000     | Pass    |
|                            |              |           | RB1#5                 | 23.2                            | -7                 | -9.15              | 14.05     | 0.025   | 7.000     | Pass    |
|                            |              |           | RB3#0                 | 23.23                           | -7                 | -9.15              | 14.08     | 0.026   | 7.000     | Pass    |
|                            |              |           | RB3#2                 | 23.21                           | -7                 | -9.15              | 14.06     | 0.025   | 7.000     | Pass    |
|                            |              |           | RB3#3                 | 23.24                           | -7                 | -9.15              | 14.09     | 0.026   | 7.000     | Pass    |
|                            |              |           | RB6#0                 | 22.23                           | -7                 | -9.15              | 13.08     | 0.020   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 22.37                           | -7                 | -9.15              | 13.22     | 0.021   | 7.000     | Pass    |
|                            |              |           | RB1#3                 | 22.51                           | -7                 | -9.15              | 13.36     | 0.022   | 7.000     | Pass    |
|                            |              |           | RB1#5                 | 22.62                           | -7                 | -9.15              | 13.47     | 0.022   | 7.000     | Pass    |
|                            |              |           | RB3#0                 | 22.41                           | -7                 | -9.15              | 13.26     | 0.021   | 7.000     | Pass    |
|                            |              |           | RB3#2                 | 22.42                           | -7                 | -9.15              | 13.27     | 0.021   | 7.000     | Pass    |
|                            |              |           | RB3#3                 | 22.42                           | -7                 | -9.15              | 13.27     | 0.021   | 7.000     | Pass    |
|                            |              |           | RB6#0                 | 21.32                           | -7                 | -9.15              | 12.17     | 0.016   | 7.000     | Pass    |
|                            | MCH          | QPSK      | RB1#0                 | 23.27                           | -7                 | -9.15              | 14.12     | 0.026   | 7.000     | Pass    |
|                            |              |           | RB1#3                 | 23.25                           | -7                 | -9.15              | 14.10     | 0.026   | 7.000     | Pass    |
|                            |              |           | RB1#5                 | 23.23                           | -7                 | -9.15              | 14.08     | 0.026   | 7.000     | Pass    |
|                            |              |           | RB3#0                 | 23.23                           | -7                 | -9.15              | 14.08     | 0.026   | 7.000     | Pass    |
|                            |              |           | RB3#2                 | 23.28                           | -7                 | -9.15              | 14.13     | 0.026   | 7.000     | Pass    |
|                            |              |           | RB3#3                 | 23.25                           | -7                 | -9.15              | 14.10     | 0.026   | 7.000     | Pass    |
|                            |              |           | RB6#0                 | 22.25                           | -7                 | -9.15              | 13.10     | 0.020   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 22.54                           | -7                 | -9.15              | 13.39     | 0.022   | 7.000     | Pass    |
|                            |              |           | RB1#3                 | 22.54                           | -7                 | -9.15              | 13.39     | 0.022   | 7.000     | Pass    |
|                            |              |           | RB1#5                 | 22.52                           | -7                 | -9.15              | 13.37     | 0.022   | 7.000     | Pass    |
|                            |              |           | RB3#0                 | 22.44                           | -7                 | -9.15              | 13.29     | 0.021   | 7.000     | Pass    |
|                            |              |           | RB3#2                 | 22.44                           | -7                 | -9.15              | 13.29     | 0.021   | 7.000     | Pass    |
|                            |              |           | RB3#3                 | 22.43                           | -7                 | -9.15              | 13.28     | 0.021   | 7.000     | Pass    |
|                            |              |           | RB6#0                 | 21.33                           | -7                 | -9.15              | 12.18     | 0.017   | 7.000     | Pass    |
|                            | HCH          | QPSK      | RB1#0                 | 23.15                           | -7                 | -9.15              | 14.00     | 0.025   | 7.000     | Pass    |
|                            |              |           | RB1#3                 | 23.21                           | -7                 | -9.15              | 14.06     | 0.025   | 7.000     | Pass    |
| RB1#5                      |              |           | 23.17                 | -7                              | -9.15              | 14.02              | 0.025     | 7.000   | Pass      |         |
| RB3#0                      |              |           | 23.17                 | -7                              | -9.15              | 14.02              | 0.025     | 7.000   | Pass      |         |
| RB3#2                      |              |           | 23.17                 | -7                              | -9.15              | 14.02              | 0.025     | 7.000   | Pass      |         |
| RB3#3                      |              |           | 23.15                 | -7                              | -9.15              | 14.00              | 0.025     | 7.000   | Pass      |         |
| RB6#0                      |              |           | 22.14                 | -7                              | -9.15              | 12.99              | 0.020     | 7.000   | Pass      |         |
| 16-QAM                     |              | RB1#0     | 22.52                 | -7                              | -9.15              | 13.37              | 0.022     | 7.000   | Pass      |         |
|                            |              | RB1#3     | 22.52                 | -7                              | -9.15              | 13.37              | 0.022     | 7.000   | Pass      |         |

| Test BW                    | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|----------------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND26 (Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 3 MHz                      |              |           | RB1#5                 | 22.39                           | -7                 | -9.15              | 13.24     | 0.021   | 7.000     | Pass    |
|                            |              |           | RB3#0                 | 22.36                           | -7                 | -9.15              | 13.21     | 0.021   | 7.000     | Pass    |
|                            |              |           | RB3#2                 | 22.37                           | -7                 | -9.15              | 13.22     | 0.021   | 7.000     | Pass    |
|                            |              |           | RB3#3                 | 22.33                           | -7                 | -9.15              | 13.18     | 0.021   | 7.000     | Pass    |
|                            |              |           | RB6#0                 | 21.21                           | -7                 | -9.15              | 12.06     | 0.016   | 7.000     | Pass    |
|                            | LCH          | QPSK      | RB1#0                 | 23.13                           | -7                 | -9.15              | 13.98     | 0.025   | 7.000     | Pass    |
|                            |              |           | RB1#7                 | 23.27                           | -7                 | -9.15              | 14.12     | 0.026   | 7.000     | Pass    |
|                            |              |           | RB1#14                | 23.21                           | -7                 | -9.15              | 14.06     | 0.025   | 7.000     | Pass    |
|                            |              |           | RB8#0                 | 22.18                           | -7                 | -9.15              | 13.03     | 0.020   | 7.000     | Pass    |
|                            |              |           | RB8#4                 | 22.29                           | -7                 | -9.15              | 13.14     | 0.021   | 7.000     | Pass    |
|                            |              |           | RB8#7                 | 22.3                            | -7                 | -9.15              | 13.15     | 0.021   | 7.000     | Pass    |
|                            |              | RB15#0    | 22.27                 | -7                              | -9.15              | 13.12              | 0.021     | 7.000   | Pass      |         |
|                            |              | 16-QAM    | RB1#0                 | 22.61                           | -7                 | -9.15              | 13.46     | 0.022   | 7.000     | Pass    |
|                            |              |           | RB1#7                 | 22.74                           | -7                 | -9.15              | 13.59     | 0.023   | 7.000     | Pass    |
|                            |              |           | RB1#14                | 22.7                            | -7                 | -9.15              | 13.55     | 0.023   | 7.000     | Pass    |
|                            |              |           | RB8#0                 | 21.28                           | -7                 | -9.15              | 12.13     | 0.016   | 7.000     | Pass    |
|                            |              |           | RB8#4                 | 21.4                            | -7                 | -9.15              | 12.25     | 0.017   | 7.000     | Pass    |
|                            |              |           | RB8#7                 | 21.36                           | -7                 | -9.15              | 12.21     | 0.017   | 7.000     | Pass    |
|                            | MCH          | QPSK      | RB1#0                 | 23.28                           | -7                 | -9.15              | 14.13     | 0.026   | 7.000     | Pass    |
|                            |              |           | RB1#7                 | 23.37                           | -7                 | -9.15              | 14.22     | 0.026   | 7.000     | Pass    |
|                            |              |           | RB1#14                | 23.24                           | -7                 | -9.15              | 14.09     | 0.026   | 7.000     | Pass    |
|                            |              |           | RB8#0                 | 22.21                           | -7                 | -9.15              | 13.06     | 0.020   | 7.000     | Pass    |
|                            |              |           | RB8#4                 | 22.35                           | -7                 | -9.15              | 13.20     | 0.021   | 7.000     | Pass    |
|                            |              |           | RB8#7                 | 22.28                           | -7                 | -9.15              | 13.13     | 0.021   | 7.000     | Pass    |
|                            |              | RB15#0    | 22.32                 | -7                              | -9.15              | 13.17              | 0.021     | 7.000   | Pass      |         |
|                            |              | 16-QAM    | RB1#0                 | 22.64                           | -7                 | -9.15              | 13.49     | 0.022   | 7.000     | Pass    |
|                            |              |           | RB1#7                 | 22.69                           | -7                 | -9.15              | 13.54     | 0.023   | 7.000     | Pass    |
|                            |              |           | RB1#14                | 22.61                           | -7                 | -9.15              | 13.46     | 0.022   | 7.000     | Pass    |
| RB8#0                      |              |           | 21.35                 | -7                              | -9.15              | 12.20              | 0.017     | 7.000   | Pass      |         |
| RB8#4                      |              |           | 21.4                  | -7                              | -9.15              | 12.25              | 0.017     | 7.000   | Pass      |         |
| RB8#7                      |              |           | 21.37                 | -7                              | -9.15              | 12.22              | 0.017     | 7.000   | Pass      |         |
| HCH                        | QPSK         | RB1#0     | 23.17                 | -7                              | -9.15              | 14.02              | 0.025     | 7.000   | Pass      |         |
|                            |              | RB1#7     | 23.21                 | -7                              | -9.15              | 14.06              | 0.025     | 7.000   | Pass      |         |
|                            |              | RB1#14    | 23.13                 | -7                              | -9.15              | 13.98              | 0.025     | 7.000   | Pass      |         |
|                            |              | RB8#0     | 22.14                 | -7                              | -9.15              | 12.99              | 0.020     | 7.000   | Pass      |         |
|                            |              | RB8#4     | 22.16                 | -7                              | -9.15              | 13.01              | 0.020     | 7.000   | Pass      |         |

| Test BW                    | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |       |
|----------------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|-------|
| <b>LTE BAND26 (Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |       |
| 5 MHz                      | LCH          | 16-QAM    | RB8#7                 | 22.21                           | -7                 | -9.15              | 13.06     | 0.020   | 7.000     | Pass    |       |
|                            |              |           | RB15#0                | 22.14                           | -7                 | -9.15              | 12.99     | 0.020   | 7.000     | Pass    |       |
|                            |              |           | RB1#0                 | 22.48                           | -7                 | -9.15              | 13.33     | 0.022   | 7.000     | Pass    |       |
|                            |              |           | RB1#7                 | 22.64                           | -7                 | -9.15              | 13.49     | 0.022   | 7.000     | Pass    |       |
|                            |              |           | RB1#14                | 22.52                           | -7                 | -9.15              | 13.37     | 0.022   | 7.000     | Pass    |       |
|                            |              |           | RB8#0                 | 21.21                           | -7                 | -9.15              | 12.06     | 0.016   | 7.000     | Pass    |       |
|                            |              |           | RB8#4                 | 21.26                           | -7                 | -9.15              | 12.11     | 0.016   | 7.000     | Pass    |       |
|                            |              |           | RB8#7                 | 21.24                           | -7                 | -9.15              | 12.09     | 0.016   | 7.000     | Pass    |       |
|                            | 5 MHz        | LCH       | QPSK                  | RB1#0                           | 23.19              | -7                 | -9.15     | 14.04   | 0.025     | 7.000   | Pass  |
|                            |              |           |                       | RB1#13                          | 23.35              | -7                 | -9.15     | 14.20   | 0.026     | 7.000   | Pass  |
|                            |              |           |                       | RB1#24                          | 23.3               | -7                 | -9.15     | 14.15   | 0.026     | 7.000   | Pass  |
|                            |              |           |                       | RB12#0                          | 22.23              | -7                 | -9.15     | 13.08   | 0.020     | 7.000   | Pass  |
|                            |              |           |                       | RB12#6                          | 22.31              | -7                 | -9.15     | 13.16   | 0.021     | 7.000   | Pass  |
|                            |              |           |                       | RB12#13                         | 22.29              | -7                 | -9.15     | 13.14   | 0.021     | 7.000   | Pass  |
|                            |              |           |                       | RB25#0                          | 22.32              | -7                 | -9.15     | 13.17   | 0.021     | 7.000   | Pass  |
|                            |              |           |                       | MCH                             | 16-QAM             | RB1#0              | 22.71     | -7      | -9.15     | 13.56   | 0.023 |
| RB1#13                     |              | 22.68     | -7                    |                                 |                    | -9.15              | 13.53     | 0.023   | 7.000     | Pass    |       |
| RB1#24                     |              | 22.64     | -7                    |                                 |                    | -9.15              | 13.49     | 0.022   | 7.000     | Pass    |       |
| RB12#0                     |              | 21.31     | -7                    |                                 |                    | -9.15              | 12.16     | 0.016   | 7.000     | Pass    |       |
| RB12#6                     |              | 21.42     | -7                    |                                 |                    | -9.15              | 12.27     | 0.017   | 7.000     | Pass    |       |
| RB12#13                    |              | 21.43     | -7                    |                                 |                    | -9.15              | 12.28     | 0.017   | 7.000     | Pass    |       |
| RB25#0                     |              | 21.3      | -7                    |                                 |                    | -9.15              | 12.15     | 0.016   | 7.000     | Pass    |       |
| MCH                        |              | QPSK      | RB1#0                 |                                 |                    | 23.29              | -7        | -9.15   | 14.14     | 0.026   | 7.000 |
|                            |              |           | RB1#13                | 23.38                           | -7                 | -9.15              | 14.23     | 0.026   | 7.000     | Pass    |       |
|                            | RB1#24       |           | 23.26                 | -7                              | -9.15              | 14.11              | 0.026     | 7.000   | Pass      |         |       |
|                            | RB12#0       |           | 22.22                 | -7                              | -9.15              | 13.07              | 0.020     | 7.000   | Pass      |         |       |
|                            | RB12#6       |           | 22.32                 | -7                              | -9.15              | 13.17              | 0.021     | 7.000   | Pass      |         |       |
|                            | RB12#13      |           | 22.31                 | -7                              | -9.15              | 13.16              | 0.021     | 7.000   | Pass      |         |       |
|                            | RB25#0       |           | 22.29                 | -7                              | -9.15              | 13.14              | 0.021     | 7.000   | Pass      |         |       |
|                            | HCH          |           | 16-QAM                | RB1#0                           | 22.7               | -7                 | -9.15     | 13.55   | 0.023     | 7.000   | Pass  |
| RB1#13                     |              | 22.84     |                       | -7                              | -9.15              | 13.69              | 0.023     | 7.000   | Pass      |         |       |
| RB1#24                     |              | 22.72     |                       | -7                              | -9.15              | 13.57              | 0.023     | 7.000   | Pass      |         |       |
| RB12#0                     |              | 21.31     |                       | -7                              | -9.15              | 12.16              | 0.016     | 7.000   | Pass      |         |       |
| RB12#6                     |              | 21.4      |                       | -7                              | -9.15              | 12.25              | 0.017     | 7.000   | Pass      |         |       |
| RB12#13                    |              | 21.36     |                       | -7                              | -9.15              | 12.21              | 0.017     | 7.000   | Pass      |         |       |
| RB25#0                     |              | 21.32     |                       | -7                              | -9.15              | 12.17              | 0.016     | 7.000   | Pass      |         |       |
| HCH                        | QPSK         | RB1#0     | 23.2                  | -7                              | -9.15              | 14.05              | 0.025     | 7.000   | Pass      |         |       |

| Test BW                    | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|----------------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND26 (Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                            |              |           | RB1#13                | 23.29                           | -7                 | -9.15              | 14.14     | 0.026   | 7.000     | Pass    |
|                            |              |           | RB1#24                | 23.16                           | -7                 | -9.15              | 14.01     | 0.025   | 7.000     | Pass    |
|                            |              |           | RB12#0                | 22.14                           | -7                 | -9.15              | 12.99     | 0.020   | 7.000     | Pass    |
|                            |              |           | RB12#6                | 22.25                           | -7                 | -9.15              | 13.10     | 0.020   | 7.000     | Pass    |
|                            |              |           | RB12#13               | 22.21                           | -7                 | -9.15              | 13.06     | 0.020   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 22.2                            | -7                 | -9.15              | 13.05     | 0.020   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 22.48                           | -7                 | -9.15              | 13.33     | 0.022   | 7.000     | Pass    |
|                            |              |           | RB1#13                | 22.6                            | -7                 | -9.15              | 13.45     | 0.022   | 7.000     | Pass    |
|                            |              |           | RB1#24                | 22.44                           | -7                 | -9.15              | 13.29     | 0.021   | 7.000     | Pass    |
|                            |              |           | RB12#0                | 21.19                           | -7                 | -9.15              | 12.04     | 0.016   | 7.000     | Pass    |
|                            |              |           | RB12#6                | 21.24                           | -7                 | -9.15              | 12.09     | 0.016   | 7.000     | Pass    |
|                            |              |           | RB12#13               | 21.22                           | -7                 | -9.15              | 12.07     | 0.016   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 21.27                           | -7                 | -9.15              | 12.12     | 0.016   | 7.000     | Pass    |
|                            |              |           | 10 MHz                | MCH                             | QPSK               | RB1#0              | 23.2      | -7      | -9.15     | 14.05   |
| RB1#25                     | 23.38        | -7        |                       |                                 |                    | -9.15              | 14.23     | 0.026   | 7.000     | Pass    |
| RB1#49                     | 23.27        | -7        |                       |                                 |                    | -9.15              | 14.12     | 0.026   | 7.000     | Pass    |
| RB25#0                     | 22.26        | -7        |                       |                                 |                    | -9.15              | 13.11     | 0.020   | 7.000     | Pass    |
| RB25#13                    | 22.37        | -7        |                       |                                 |                    | -9.15              | 13.22     | 0.021   | 7.000     | Pass    |
| RB25#25                    | 22.3         | -7        |                       |                                 |                    | -9.15              | 13.15     | 0.021   | 7.000     | Pass    |
| RB50#0                     | 22.32        | -7        |                       |                                 |                    | -9.15              | 13.17     | 0.021   | 7.000     | Pass    |
| 16-QAM                     | RB1#0        | 22.54     |                       | -7                              | -9.15              | 13.39              | 0.022     | 7.000   | Pass      |         |
|                            | RB1#25       | 22.57     |                       | -7                              | -9.15              | 13.42              | 0.022     | 7.000   | Pass      |         |
|                            | RB1#49       | 22.55     |                       | -7                              | -9.15              | 13.40              | 0.022     | 7.000   | Pass      |         |
|                            | RB25#0       | 21.27     |                       | -7                              | -9.15              | 12.12              | 0.016     | 7.000   | Pass      |         |
|                            | RB25#13      | 21.39     |                       | -7                              | -9.15              | 12.24              | 0.017     | 7.000   | Pass      |         |
|                            | RB25#25      | 21.31     |                       | -7                              | -9.15              | 12.16              | 0.016     | 7.000   | Pass      |         |
|                            | RB50#0       | 21.33     |                       | -7                              | -9.15              | 12.18              | 0.017     | 7.000   | Pass      |         |
| MCH                        | QPSK         | RB1#0     | 23.33                 | -7                              | -9.15              | 14.18              | 0.026     | 7.000   | Pass      |         |
|                            |              | RB1#25    | 23.28                 | -7                              | -9.15              | 14.13              | 0.026     | 7.000   | Pass      |         |
|                            |              | RB1#49    | 23.18                 | -7                              | -9.15              | 14.03              | 0.025     | 7.000   | Pass      |         |
|                            |              | RB25#0    | 22.3                  | -7                              | -9.15              | 13.15              | 0.021     | 7.000   | Pass      |         |
|                            |              | RB25#13   | 22.36                 | -7                              | -9.15              | 13.21              | 0.021     | 7.000   | Pass      |         |
|                            |              | RB25#25   | 22.27                 | -7                              | -9.15              | 13.12              | 0.021     | 7.000   | Pass      |         |
|                            |              | RB50#0    | 22.3                  | -7                              | -9.15              | 13.15              | 0.021     | 7.000   | Pass      |         |
|                            | 16-QAM       | RB1#0     | 22.86                 | -7                              | -9.15              | 13.71              | 0.023     | 7.000   | Pass      |         |
|                            |              | RB1#25    | 22.73                 | -7                              | -9.15              | 13.58              | 0.023     | 7.000   | Pass      |         |
|                            |              | RB1#49    | 22.58                 | -7                              | -9.15              | 13.43              | 0.022     | 7.000   | Pass      |         |
|                            |              |           | RB25#0                | 21.18                           | -7                 | -9.15              | 12.03     | 0.016   | 7.000     | Pass    |

| Test BW                    | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|----------------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND26 (Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 15 MHz                     | HCH          | QPSK      | RB25#13               | 21.34                           | -7                 | -9.15              | 12.19     | 0.017   | 7.000     | Pass    |
|                            |              |           | RB25#25               | 21.24                           | -7                 | -9.15              | 12.09     | 0.016   | 7.000     | Pass    |
|                            |              |           | RB50#0                | 21.31                           | -7                 | -9.15              | 12.16     | 0.016   | 7.000     | Pass    |
|                            |              |           | RB1#0                 | 23.25                           | -7                 | -9.15              | 14.10     | 0.026   | 7.000     | Pass    |
|                            |              |           | RB1#25                | 23.23                           | -7                 | -9.15              | 14.08     | 0.026   | 7.000     | Pass    |
|                            |              |           | RB1#49                | 23.15                           | -7                 | -9.15              | 14.00     | 0.025   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 22.16                           | -7                 | -9.15              | 13.01     | 0.020   | 7.000     | Pass    |
|                            |              |           | RB25#13               | 22.27                           | -7                 | -9.15              | 13.12     | 0.021   | 7.000     | Pass    |
|                            |              |           | RB25#25               | 22.24                           | -7                 | -9.15              | 13.09     | 0.020   | 7.000     | Pass    |
|                            |              | 16-QAM    | RB50#0                | 22.23                           | -7                 | -9.15              | 13.08     | 0.020   | 7.000     | Pass    |
|                            |              |           | RB1#0                 | 22.57                           | -7                 | -9.15              | 13.42     | 0.022   | 7.000     | Pass    |
|                            |              |           | RB1#25                | 22.58                           | -7                 | -9.15              | 13.43     | 0.022   | 7.000     | Pass    |
|                            |              |           | RB1#49                | 22.39                           | -7                 | -9.15              | 13.24     | 0.021   | 7.000     | Pass    |
|                            |              |           | RB25#0                | 21.15                           | -7                 | -9.15              | 12.00     | 0.016   | 7.000     | Pass    |
|                            |              |           | RB25#13               | 21.31                           | -7                 | -9.15              | 12.16     | 0.016   | 7.000     | Pass    |
|                            |              |           | RB25#25               | 21.21                           | -7                 | -9.15              | 12.06     | 0.016   | 7.000     | Pass    |
|                            |              |           | RB50#0                | 21.25                           | -7                 | -9.15              | 12.10     | 0.016   | 7.000     | Pass    |
|                            |              |           | 15 MHz                | LCH                             | QPSK               | RB1#0              | 23.06     | -7      | -9.15     | 13.91   |
| RB1#38                     | 23.13        | -7        |                       |                                 |                    | -9.15              | 13.98     | 0.025   | 7.000     | Pass    |
| RB1#74                     | 22.96        | -7        |                       |                                 |                    | -9.15              | 13.81     | 0.024   | 7.000     | Pass    |
| RB36#0                     | 22.12        | -7        |                       |                                 |                    | -9.15              | 12.97     | 0.020   | 7.000     | Pass    |
| RB36#19                    | 22.14        | -7        |                       |                                 |                    | -9.15              | 12.99     | 0.020   | 7.000     | Pass    |
| RB36#39                    | 22.15        | -7        |                       |                                 |                    | -9.15              | 13.00     | 0.020   | 7.000     | Pass    |
| RB75#0                     | 22.1         | -7        |                       |                                 |                    | -9.15              | 12.95     | 0.020   | 7.000     | Pass    |
| 16-QAM                     | RB1#0        | 22.3      |                       |                                 | -7                 | -9.15              | 13.15     | 0.021   | 7.000     | Pass    |
|                            | RB1#38       | 22.57     |                       |                                 | -7                 | -9.15              | 13.42     | 0.022   | 7.000     | Pass    |
|                            | RB1#74       | 22.15     |                       |                                 | -7                 | -9.15              | 13.00     | 0.020   | 7.000     | Pass    |
|                            | RB36#0       | 21.14     |                       |                                 | -7                 | -9.15              | 11.99     | 0.016   | 7.000     | Pass    |
|                            | RB36#19      | 21.14     |                       |                                 | -7                 | -9.15              | 11.99     | 0.016   | 7.000     | Pass    |
|                            | RB36#39      | 21.22     |                       |                                 | -7                 | -9.15              | 12.07     | 0.016   | 7.000     | Pass    |
|                            | RB75#0       | 21.1      |                       |                                 | -7                 | -9.15              | 11.95     | 0.016   | 7.000     | Pass    |
|                            | QPSK         | RB1#0     |                       |                                 | 23                 | -7                 | -9.15     | 13.85   | 0.024     | 7.000   |
| RB1#38                     |              | 22.99     | -7                    | -9.15                           | 13.84              | 0.024              | 7.000     | Pass    |           |         |
| RB1#74                     |              | 22.85     | -7                    | -9.15                           | 13.70              | 0.023              | 7.000     | Pass    |           |         |
| RB36#0                     |              | 22.11     | -7                    | -9.15                           | 12.96              | 0.020              | 7.000     | Pass    |           |         |
| RB36#19                    |              | 22.15     | -7                    | -9.15                           | 13.00              | 0.020              | 7.000     | Pass    |           |         |
| RB36#39                    |              | 22.14     | -7                    | -9.15                           | 12.99              | 0.020              | 7.000     | Pass    |           |         |
| RB75#0                     |              | 22.16     | -7                    | -9.15                           | 13.01              | 0.020              | 7.000     | Pass    |           |         |



| Test BW                    | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|----------------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND26 (Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                            |              | 16-QAM    | RB1#0                 | 22.41                           | -7                 | -9.15              | 13.26     | 0.021   | 7.000     | Pass    |
|                            |              |           | RB1#38                | 22.44                           | -7                 | -9.15              | 13.29     | 0.021   | 7.000     | Pass    |
|                            |              |           | RB1#74                | 22.41                           | -7                 | -9.15              | 13.26     | 0.021   | 7.000     | Pass    |
|                            |              |           | RB36#0                | 21.13                           | -7                 | -9.15              | 11.98     | 0.016   | 7.000     | Pass    |
|                            |              |           | RB36#19               | 21.19                           | -7                 | -9.15              | 12.04     | 0.016   | 7.000     | Pass    |
|                            |              |           | RB36#39               | 21.11                           | -7                 | -9.15              | 11.96     | 0.016   | 7.000     | Pass    |
|                            |              |           | RB75#0                | 21.18                           | -7                 | -9.15              | 12.03     | 0.016   | 7.000     | Pass    |
|                            |              | QPSK      | RB1#0                 | 23.11                           | -7                 | -9.15              | 13.96     | 0.025   | 7.000     | Pass    |
|                            |              |           | RB1#38                | 22.99                           | -7                 | -9.15              | 13.84     | 0.024   | 7.000     | Pass    |
|                            |              |           | RB1#74                | 22.83                           | -7                 | -9.15              | 13.68     | 0.023   | 7.000     | Pass    |
|                            |              |           | RB36#0                | 22.08                           | -7                 | -9.15              | 12.93     | 0.020   | 7.000     | Pass    |
|                            |              |           | RB36#19               | 22.02                           | -7                 | -9.15              | 12.87     | 0.019   | 7.000     | Pass    |
|                            |              |           | RB36#39               | 22.06                           | -7                 | -9.15              | 12.91     | 0.020   | 7.000     | Pass    |
|                            |              |           | RB75#0                | 22.03                           | -7                 | -9.15              | 12.88     | 0.019   | 7.000     | Pass    |
|                            | 16-QAM       | RB1#0     | 22.35                 | -7                              | -9.15              | 13.20              | 0.021     | 7.000   | Pass      |         |
|                            |              | RB1#38    | 22.4                  | -7                              | -9.15              | 13.25              | 0.021     | 7.000   | Pass      |         |
|                            |              | RB1#74    | 22.3                  | -7                              | -9.15              | 13.15              | 0.021     | 7.000   | Pass      |         |
|                            |              | RB36#0    | 21.11                 | -7                              | -9.15              | 11.96              | 0.016     | 7.000   | Pass      |         |
|                            |              | RB36#19   | 21.03                 | -7                              | -9.15              | 11.88              | 0.015     | 7.000   | Pass      |         |
|                            |              | RB36#39   | 21.12                 | -7                              | -9.15              | 11.97              | 0.016     | 7.000   | Pass      |         |
|                            |              | RB75#0    | 21.06                 | -7                              | -9.15              | 11.91              | 0.016     | 7.000   | Pass      |         |



| Test BW                    | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|----------------------------|--------------|-----------|-----------------------|------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND26 (Part90)</b> |              |           |                       |                              |                    |                    |           |         |           |         |
| 1.4 MHz                    | LCH          | QPSK      | RB1#0                 | 23.08                        | -7                 | -9.15              | 13.93     | 0.025   | 100.000   | Pass    |
|                            |              |           | RB1#3                 | 23.07                        | -7                 | -9.15              | 13.92     | 0.025   | 100.000   | Pass    |
|                            |              |           | RB1#5                 | 23.02                        | -7                 | -9.15              | 13.87     | 0.024   | 100.000   | Pass    |
|                            |              |           | RB3#0                 | 23.05                        | -7                 | -9.15              | 13.90     | 0.025   | 100.000   | Pass    |
|                            |              |           | RB3#2                 | 23.1                         | -7                 | -9.15              | 13.95     | 0.025   | 100.000   | Pass    |
|                            |              |           | RB3#3                 | 23.02                        | -7                 | -9.15              | 13.87     | 0.024   | 100.000   | Pass    |
|                            |              |           | RB6#0                 | 22.05                        | -7                 | -9.15              | 12.90     | 0.019   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 22.36                        | -7                 | -9.15              | 13.21     | 0.021   | 100.000   | Pass    |
|                            |              |           | RB1#3                 | 22.28                        | -7                 | -9.15              | 13.13     | 0.021   | 100.000   | Pass    |
|                            |              |           | RB1#5                 | 22.32                        | -7                 | -9.15              | 13.17     | 0.021   | 100.000   | Pass    |
|                            |              |           | RB3#0                 | 22.24                        | -7                 | -9.15              | 13.09     | 0.020   | 100.000   | Pass    |
|                            |              |           | RB3#2                 | 22.2                         | -7                 | -9.15              | 13.05     | 0.020   | 100.000   | Pass    |
|                            |              |           | RB3#3                 | 22.23                        | -7                 | -9.15              | 13.08     | 0.020   | 100.000   | Pass    |
|                            |              |           | RB6#0                 | 21.16                        | -7                 | -9.15              | 12.01     | 0.016   | 100.000   | Pass    |
|                            | MCH          | QPSK      | RB1#0                 | 22.99                        | -7                 | -9.15              | 13.84     | 0.024   | 100.000   | Pass    |
|                            |              |           | RB1#3                 | 23.1                         | -7                 | -9.15              | 13.95     | 0.025   | 100.000   | Pass    |
|                            |              |           | RB1#5                 | 23.06                        | -7                 | -9.15              | 13.91     | 0.025   | 100.000   | Pass    |
|                            |              |           | RB3#0                 | 23.1                         | -7                 | -9.15              | 13.95     | 0.025   | 100.000   | Pass    |
|                            |              |           | RB3#2                 | 23.15                        | -7                 | -9.15              | 14.00     | 0.025   | 100.000   | Pass    |
|                            |              |           | RB3#3                 | 23.08                        | -7                 | -9.15              | 13.93     | 0.025   | 100.000   | Pass    |
|                            |              |           | RB6#0                 | 22.11                        | -7                 | -9.15              | 12.96     | 0.020   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 22.24                        | -7                 | -9.15              | 13.09     | 0.020   | 100.000   | Pass    |
|                            |              |           | RB1#3                 | 22.31                        | -7                 | -9.15              | 13.16     | 0.021   | 100.000   | Pass    |
|                            |              |           | RB1#5                 | 22.24                        | -7                 | -9.15              | 13.09     | 0.020   | 100.000   | Pass    |
|                            |              |           | RB3#0                 | 22.25                        | -7                 | -9.15              | 13.10     | 0.020   | 100.000   | Pass    |
|                            |              |           | RB3#2                 | 22.27                        | -7                 | -9.15              | 13.12     | 0.021   | 100.000   | Pass    |
|                            |              |           | RB3#3                 | 22.25                        | -7                 | -9.15              | 13.10     | 0.020   | 100.000   | Pass    |
|                            |              |           | RB6#0                 | 21.19                        | -7                 | -9.15              | 12.04     | 0.016   | 100.000   | Pass    |
|                            | HCH          | QPSK      | RB1#0                 | 23.1                         | -7                 | -9.15              | 13.95     | 0.025   | 100.000   | Pass    |
|                            |              |           | RB1#3                 | 23.23                        | -7                 | -9.15              | 14.08     | 0.026   | 100.000   | Pass    |
|                            |              |           | RB1#5                 | 23.19                        | -7                 | -9.15              | 14.04     | 0.025   | 100.000   | Pass    |
|                            |              |           | RB3#0                 | 23.16                        | -7                 | -9.15              | 14.01     | 0.025   | 100.000   | Pass    |
|                            |              |           | RB3#2                 | 23.24                        | -7                 | -9.15              | 14.09     | 0.026   | 100.000   | Pass    |
|                            |              |           | RB3#3                 | 23.19                        | -7                 | -9.15              | 14.04     | 0.025   | 100.000   | Pass    |
|                            |              |           | RB6#0                 | 22.22                        | -7                 | -9.15              | 13.07     | 0.020   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 22.42                        | -7                 | -9.15              | 13.27     | 0.021   | 100.000   | Pass    |
| RB1#3                      |              |           | 22.56                 | -7                           | -9.15              | 13.41              | 0.022     | 100.000 | Pass      |         |

| Test BW                    | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|----------------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND26 (Part90)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 3 MHz                      |              |           | RB1#5                 | 22.51                           | -7                 | -9.15              | 13.36     | 0.022   | 100.000   | Pass    |
|                            |              |           | RB3#0                 | 22.29                           | -7                 | -9.15              | 13.14     | 0.021   | 100.000   | Pass    |
|                            |              |           | RB3#2                 | 22.42                           | -7                 | -9.15              | 13.27     | 0.021   | 100.000   | Pass    |
|                            |              |           | RB3#3                 | 22.43                           | -7                 | -9.15              | 13.28     | 0.021   | 100.000   | Pass    |
|                            |              |           | RB6#0                 | 21.27                           | -7                 | -9.15              | 12.12     | 0.016   | 100.000   | Pass    |
|                            | LCH          | QPSK      | RB1#0                 | 22.99                           | -7                 | -9.15              | 13.84     | 0.024   | 100.000   | Pass    |
|                            |              |           | RB1#7                 | 23.14                           | -7                 | -9.15              | 13.99     | 0.025   | 100.000   | Pass    |
|                            |              |           | RB1#14                | 23.06                           | -7                 | -9.15              | 13.91     | 0.025   | 100.000   | Pass    |
|                            |              |           | RB8#0                 | 22.08                           | -7                 | -9.15              | 12.93     | 0.020   | 100.000   | Pass    |
|                            |              |           | RB8#4                 | 22.11                           | -7                 | -9.15              | 12.96     | 0.020   | 100.000   | Pass    |
|                            |              |           | RB8#7                 | 22.05                           | -7                 | -9.15              | 12.90     | 0.019   | 100.000   | Pass    |
|                            |              | RB15#0    | 22.1                  | -7                              | -9.15              | 12.95              | 0.020     | 100.000 | Pass      |         |
|                            |              | 16-QAM    | RB1#0                 | 22.44                           | -7                 | -9.15              | 13.29     | 0.021   | 100.000   | Pass    |
|                            |              |           | RB1#7                 | 22.46                           | -7                 | -9.15              | 13.31     | 0.021   | 100.000   | Pass    |
|                            |              |           | RB1#14                | 22.43                           | -7                 | -9.15              | 13.28     | 0.021   | 100.000   | Pass    |
|                            |              |           | RB8#0                 | 21.1                            | -7                 | -9.15              | 11.95     | 0.016   | 100.000   | Pass    |
|                            |              |           | RB8#4                 | 21.2                            | -7                 | -9.15              | 12.05     | 0.016   | 100.000   | Pass    |
|                            |              |           | RB8#7                 | 21.16                           | -7                 | -9.15              | 12.01     | 0.016   | 100.000   | Pass    |
|                            | RB15#0       | 21.13     | -7                    | -9.15                           | 11.98              | 0.016              | 100.000   | Pass    |           |         |
|                            | MCH          | QPSK      | RB1#0                 | 23.02                           | -7                 | -9.15              | 13.87     | 0.024   | 100.000   | Pass    |
|                            |              |           | RB1#7                 | 23.14                           | -7                 | -9.15              | 13.99     | 0.025   | 100.000   | Pass    |
|                            |              |           | RB1#14                | 23.06                           | -7                 | -9.15              | 13.91     | 0.025   | 100.000   | Pass    |
|                            |              |           | RB8#0                 | 22.09                           | -7                 | -9.15              | 12.94     | 0.020   | 100.000   | Pass    |
|                            |              |           | RB8#4                 | 22.19                           | -7                 | -9.15              | 13.04     | 0.020   | 100.000   | Pass    |
|                            |              |           | RB8#7                 | 22.15                           | -7                 | -9.15              | 13.00     | 0.020   | 100.000   | Pass    |
|                            |              | RB15#0    | 22.13                 | -7                              | -9.15              | 12.98              | 0.020     | 100.000 | Pass      |         |
|                            |              | 16-QAM    | RB1#0                 | 22.44                           | -7                 | -9.15              | 13.29     | 0.021   | 100.000   | Pass    |
|                            |              |           | RB1#7                 | 22.64                           | -7                 | -9.15              | 13.49     | 0.022   | 100.000   | Pass    |
| RB1#14                     |              |           | 22.6                  | -7                              | -9.15              | 13.45              | 0.022     | 100.000 | Pass      |         |
| RB8#0                      |              |           | 21.18                 | -7                              | -9.15              | 12.03              | 0.016     | 100.000 | Pass      |         |
| RB8#4                      |              |           | 21.29                 | -7                              | -9.15              | 12.14              | 0.016     | 100.000 | Pass      |         |
| RB8#7                      |              |           | 21.25                 | -7                              | -9.15              | 12.10              | 0.016     | 100.000 | Pass      |         |
| RB15#0                     | 21.18        | -7        | -9.15                 | 12.03                           | 0.016              | 100.000            | Pass      |         |           |         |
| HCH                        | QPSK         | RB1#0     | 23.17                 | -7                              | -9.15              | 14.02              | 0.025     | 100.000 | Pass      |         |
|                            |              | RB1#7     | 23.24                 | -7                              | -9.15              | 14.09              | 0.026     | 100.000 | Pass      |         |
|                            |              | RB1#14    | 23.2                  | -7                              | -9.15              | 14.05              | 0.025     | 100.000 | Pass      |         |
|                            |              | RB8#0     | 22.13                 | -7                              | -9.15              | 12.98              | 0.020     | 100.000 | Pass      |         |
|                            |              | RB8#4     | 22.23                 | -7                              | -9.15              | 13.08              | 0.020     | 100.000 | Pass      |         |

| Test BW                    | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |         |       |
|----------------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|---------|-------|
| <b>LTE BAND26 (Part90)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |         |       |
|                            |              | 16-QAM    | RB8#7                 | 22.25                           | -7                 | -9.15              | 13.10     | 0.020   | 100.000   | Pass    |         |       |
|                            |              |           | RB15#0                | 22.19                           | -7                 | -9.15              | 13.04     | 0.020   | 100.000   | Pass    |         |       |
|                            |              |           | RB1#0                 | 22.6                            | -7                 | -9.15              | 13.45     | 0.022   | 100.000   | Pass    |         |       |
|                            |              |           | RB1#7                 | 22.6                            | -7                 | -9.15              | 13.45     | 0.022   | 100.000   | Pass    |         |       |
|                            |              |           | RB1#14                | 22.66                           | -7                 | -9.15              | 13.51     | 0.022   | 100.000   | Pass    |         |       |
|                            |              |           | RB8#0                 | 21.22                           | -7                 | -9.15              | 12.07     | 0.016   | 100.000   | Pass    |         |       |
|                            |              |           | RB8#4                 | 21.33                           | -7                 | -9.15              | 12.18     | 0.017   | 100.000   | Pass    |         |       |
|                            |              |           | RB8#7                 | 21.3                            | -7                 | -9.15              | 12.15     | 0.016   | 100.000   | Pass    |         |       |
|                            |              |           |                       |                                 | RB15#0             | 21.27              | -7        | -9.15   | 12.12     | 0.016   | 100.000 | Pass  |
|                            |              | 5 MHz     | LCH                   | QPSK                            | RB1#0              | 23.04              | -7        | -9.15   | 13.89     | 0.024   | 100.000 | Pass  |
|                            |              |           |                       |                                 | RB1#13             | 23.17              | -7        | -9.15   | 14.02     | 0.025   | 100.000 | Pass  |
|                            |              |           |                       |                                 | RB1#24             | 23.13              | -7        | -9.15   | 13.98     | 0.025   | 100.000 | Pass  |
|                            |              |           |                       |                                 | RB12#0             | 22.03              | -7        | -9.15   | 12.88     | 0.019   | 100.000 | Pass  |
|                            |              |           |                       |                                 | RB12#6             | 22.15              | -7        | -9.15   | 13.00     | 0.020   | 100.000 | Pass  |
|                            |              |           |                       |                                 | RB12#13            | 22.13              | -7        | -9.15   | 12.98     | 0.020   | 100.000 | Pass  |
|                            |              |           |                       |                                 |                    |                    | RB25#0    | 22.13   | -7        | -9.15   | 12.98   | 0.020 |
|                            |              |           |                       | 16-QAM                          | RB1#0              | 22.45              | -7        | -9.15   | 13.30     | 0.021   | 100.000 | Pass  |
|                            |              |           |                       |                                 | RB1#13             | 22.57              | -7        | -9.15   | 13.42     | 0.022   | 100.000 | Pass  |
|                            |              |           |                       |                                 | RB1#24             | 22.43              | -7        | -9.15   | 13.28     | 0.021   | 100.000 | Pass  |
|                            |              |           |                       |                                 | RB12#0             | 21.06              | -7        | -9.15   | 11.91     | 0.016   | 100.000 | Pass  |
|                            |              |           |                       |                                 | RB12#6             | 21.18              | -7        | -9.15   | 12.03     | 0.016   | 100.000 | Pass  |
|                            |              |           | RB12#13               |                                 | 21.16              | -7                 | -9.15     | 12.01   | 0.016     | 100.000 | Pass    |       |
|                            |              |           |                       | RB25#0                          | 21.17              | -7                 | -9.15     | 12.02   | 0.016     | 100.000 | Pass    |       |
|                            | MCH          |           | QPSK                  | RB1#0                           | 23.14              | -7                 | -9.15     | 13.99   | 0.025     | 100.000 | Pass    |       |
|                            |              |           |                       |                                 | RB1#13             | 23.16              | -7        | -9.15   | 14.01     | 0.025   | 100.000 | Pass  |
|                            |              |           |                       |                                 | RB1#24             | 23.17              | -7        | -9.15   | 14.02     | 0.025   | 100.000 | Pass  |
|                            |              |           |                       |                                 | RB12#0             | 22.06              | -7        | -9.15   | 12.91     | 0.020   | 100.000 | Pass  |
|                            |              |           |                       |                                 | RB12#6             | 22.21              | -7        | -9.15   | 13.06     | 0.020   | 100.000 | Pass  |
|                            |              |           |                       |                                 | RB12#13            | 22.17              | -7        | -9.15   | 13.02     | 0.020   | 100.000 | Pass  |
|                            |              |           |                       |                                 | RB25#0             | 22.13              | -7        | -9.15   | 12.98     | 0.020   | 100.000 | Pass  |
|                            |              |           |                       | 16-QAM                          | RB1#0              | 22.47              | -7        | -9.15   | 13.32     | 0.021   | 100.000 | Pass  |
|                            |              |           |                       |                                 | RB1#13             | 22.66              | -7        | -9.15   | 13.51     | 0.022   | 100.000 | Pass  |
|                            |              |           |                       |                                 | RB1#24             | 22.56              | -7        | -9.15   | 13.41     | 0.022   | 100.000 | Pass  |
|                            |              |           | RB12#0                |                                 | 21.06              | -7                 | -9.15     | 11.91   | 0.016     | 100.000 | Pass    |       |
|                            |              |           | RB12#6                |                                 | 21.25              | -7                 | -9.15     | 12.10   | 0.016     | 100.000 | Pass    |       |
|                            |              | RB12#13   | 21.16                 |                                 | -7                 | -9.15              | 12.01     | 0.016   | 100.000   | Pass    |         |       |
|                            |              |           | RB25#0                | 21.19                           | -7                 | -9.15              | 12.04     | 0.016   | 100.000   | Pass    |         |       |
|                            | HCH          | QPSK      | RB1#0                 | 23.13                           | -7                 | -9.15              | 13.98     | 0.025   | 100.000   | Pass    |         |       |

| Test BW                    | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|----------------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND26 (Part90)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                            |              |           | RB1#13                | 23.31                           | -7                 | -9.15              | 14.16     | 0.026   | 100.000   | Pass    |
|                            |              |           | RB1#24                | 23.27                           | -7                 | -9.15              | 14.12     | 0.026   | 100.000   | Pass    |
|                            |              |           | RB12#0                | 22.15                           | -7                 | -9.15              | 13.00     | 0.020   | 100.000   | Pass    |
|                            |              |           | RB12#6                | 22.29                           | -7                 | -9.15              | 13.14     | 0.021   | 100.000   | Pass    |
|                            |              |           | RB12#13               | 22.23                           | -7                 | -9.15              | 13.08     | 0.020   | 100.000   | Pass    |
|                            |              |           | RB25#0                | 22.2                            | -7                 | -9.15              | 13.05     | 0.020   | 100.000   | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 22.54                           | -7                 | -9.15              | 13.39     | 0.022   | 100.000   | Pass    |
|                            |              |           | RB1#13                | 22.68                           | -7                 | -9.15              | 13.53     | 0.023   | 100.000   | Pass    |
|                            |              |           | RB1#24                | 22.61                           | -7                 | -9.15              | 13.46     | 0.022   | 100.000   | Pass    |
|                            |              |           | RB12#0                | 21.21                           | -7                 | -9.15              | 12.06     | 0.016   | 100.000   | Pass    |
|                            |              |           | RB12#6                | 21.37                           | -7                 | -9.15              | 12.22     | 0.017   | 100.000   | Pass    |
|                            |              |           | RB12#13               | 21.34                           | -7                 | -9.15              | 12.19     | 0.017   | 100.000   | Pass    |
|                            |              |           | RB25#0                | 21.24                           | -7                 | -9.15              | 12.09     | 0.016   | 100.000   | Pass    |
|                            |              |           | 10 MHz                | MCH                             | QPSK               | RB1#0              | 23.01     | -7      | -9.15     | 13.86   |
| RB1#25                     | 23.13        | -7        |                       |                                 |                    | -9.15              | 13.98     | 0.025   | 100.000   | Pass    |
| RB1#49                     | 23.21        | -7        |                       |                                 |                    | -9.15              | 14.06     | 0.025   | 100.000   | Pass    |
| RB25#0                     | 22.05        | -7        |                       |                                 |                    | -9.15              | 12.90     | 0.019   | 100.000   | Pass    |
| RB25#13                    | 22.15        | -7        |                       |                                 |                    | -9.15              | 13.00     | 0.020   | 100.000   | Pass    |
| RB25#25                    | 22.21        | -7        |                       |                                 |                    | -9.15              | 13.06     | 0.020   | 100.000   | Pass    |
| RB50#0                     | 22.18        | -7        |                       |                                 |                    | -9.15              | 13.03     | 0.020   | 100.000   | Pass    |
| 16-QAM                     | RB1#0        | 22.47     |                       |                                 | -7                 | -9.15              | 13.32     | 0.021   | 100.000   | Pass    |
|                            | RB1#25       | 22.59     |                       |                                 | -7                 | -9.15              | 13.44     | 0.022   | 100.000   | Pass    |
|                            | RB1#49       | 22.63     |                       |                                 | -7                 | -9.15              | 13.48     | 0.022   | 100.000   | Pass    |
|                            | RB25#0       | 21.03     |                       |                                 | -7                 | -9.15              | 11.88     | 0.015   | 100.000   | Pass    |
|                            | RB25#13      | 21.2      |                       |                                 | -7                 | -9.15              | 12.05     | 0.016   | 100.000   | Pass    |
|                            | RB25#25      | 21.19     |                       |                                 | -7                 | -9.15              | 12.04     | 0.016   | 100.000   | Pass    |
|                            | RB50#0       | 21.17     |                       |                                 | -7                 | -9.15              | 12.02     | 0.016   | 100.000   | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND38</b> |              |           |                       |                                 |                    |            |          |           |         |
| 5 MHz             | LCH          | QPSK      | RB1#0                 | 22.23                           | -1.1               | 21.13      | 0.130    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 22.36                           | -1.1               | 21.26      | 0.134    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 22.24                           | -1.1               | 21.14      | 0.130    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 21.18                           | -1.1               | 20.08      | 0.102    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 21.23                           | -1.1               | 20.13      | 0.103    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 21.26                           | -1.1               | 20.16      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.15                           | -1.1               | 20.05      | 0.101    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.59                           | -1.1               | 20.49      | 0.112    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 21.69                           | -1.1               | 20.59      | 0.115    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 21.49                           | -1.1               | 20.39      | 0.109    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 20.18                           | -1.1               | 19.08      | 0.081    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 20.24                           | -1.1               | 19.14      | 0.082    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 20.28                           | -1.1               | 19.18      | 0.083    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.22                           | -1.1               | 19.12      | 0.082    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.22                           | -1.1               | 21.12      | 0.129    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 22.4                            | -1.1               | 21.30      | 0.135    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 22.23                           | -1.1               | 21.13      | 0.130    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 21.28                           | -1.1               | 20.18      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 21.29                           | -1.1               | 20.19      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 21.17                           | -1.1               | 20.07      | 0.102    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.16                           | -1.1               | 20.06      | 0.101    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.51                           | -1.1               | 20.41      | 0.110    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 21.57                           | -1.1               | 20.47      | 0.111    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 21.48                           | -1.1               | 20.38      | 0.109    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 20.35                           | -1.1               | 19.25      | 0.084    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 20.37                           | -1.1               | 19.27      | 0.085    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 20.22                           | -1.1               | 19.12      | 0.082    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.2                            | -1.1               | 19.10      | 0.081    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.27                           | -1.1               | 21.17      | 0.131    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 22.38                           | -1.1               | 21.28      | 0.134    | 2.00      | Pass    |
| RB1#24            |              |           | 22.25                 | -1.1                            | 21.15              | 0.130      | 2.00     | Pass      |         |
| RB12#0            |              |           | 21.26                 | -1.1                            | 20.16              | 0.104      | 2.00     | Pass      |         |
| RB12#6            |              |           | 21.3                  | -1.1                            | 20.20              | 0.105      | 2.00     | Pass      |         |
| RB12#13           |              |           | 21.29                 | -1.1                            | 20.19              | 0.104      | 2.00     | Pass      |         |
| RB25#0            |              |           | 21.26                 | -1.1                            | 20.16              | 0.104      | 2.00     | Pass      |         |
| 16-QAM            |              | RB1#0     | 21.76                 | -1.1                            | 20.66              | 0.116      | 2.00     | Pass      |         |
|                   |              | RB1#13    | 21.84                 | -1.1                            | 20.74              | 0.119      | 2.00     | Pass      |         |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND38</b> |              |           |                       |                                 |                    |            |          |           |         |
| 10 MHz            |              |           | RB1#24                | 21.75                           | -1.1               | 20.65      | 0.116    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 20.2                            | -1.1               | 19.10      | 0.081    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 20.22                           | -1.1               | 19.12      | 0.082    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 20.24                           | -1.1               | 19.14      | 0.082    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.31                           | -1.1               | 19.21      | 0.083    | 2.00      | Pass    |
|                   | LCH          | QPSK      | RB1#0                 | 22.15                           | -1.1               | 21.05      | 0.127    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 22.24                           | -1.1               | 21.14      | 0.130    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 22.12                           | -1.1               | 21.02      | 0.126    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.21                           | -1.1               | 20.11      | 0.103    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 21.33                           | -1.1               | 20.23      | 0.105    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 21.16                           | -1.1               | 20.06      | 0.101    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.21                           | -1.1               | 20.11      | 0.103    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.48                           | -1.1               | 20.38      | 0.109    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 21.53                           | -1.1               | 20.43      | 0.110    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 21.41                           | -1.1               | 20.31      | 0.107    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.2                            | -1.1               | 19.10      | 0.081    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 20.3                            | -1.1               | 19.20      | 0.083    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 20.17                           | -1.1               | 19.07      | 0.081    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.23                           | -1.1               | 21.13      | 0.130    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 22.26                           | -1.1               | 21.16      | 0.131    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 22.18                           | -1.1               | 21.08      | 0.128    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.26                           | -1.1               | 20.16      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 21.24                           | -1.1               | 20.14      | 0.103    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 21.22                           | -1.1               | 20.12      | 0.103    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.18                           | -1.1               | 20.08      | 0.102    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.6                            | -1.1               | 20.50      | 0.112    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 21.63                           | -1.1               | 20.53      | 0.113    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 21.56                           | -1.1               | 20.46      | 0.111    | 2.00      | Pass    |
| HCH               | QPSK         | RB25#0    | 20.25                 | -1.1                            | 19.15              | 0.082      | 2.00     | Pass      |         |
|                   |              | RB25#13   | 20.2                  | -1.1                            | 19.10              | 0.081      | 2.00     | Pass      |         |
|                   |              | RB25#25   | 20.21                 | -1.1                            | 19.11              | 0.081      | 2.00     | Pass      |         |
|                   |              | RB50#0    | 20.21                 | -1.1                            | 19.11              | 0.081      | 2.00     | Pass      |         |
|                   |              | RB1#0     | 22.26                 | -1.1                            | 21.16              | 0.131      | 2.00     | Pass      |         |
|                   |              |           | RB1#25                | 22.32                           | -1.1               | 21.22      | 0.132    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 22.25                           | -1.1               | 21.15      | 0.130    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.22                           | -1.1               | 20.12      | 0.103    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 21.32                           | -1.1               | 20.22      | 0.105    | 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               | 21.32                           | -1.1               | 20.22      | 0.105    | 2.00      | Pass    |      |      |
|                   |              |           | RB50#0                | 21.3                            | -1.1               | 20.20      | 0.105    | 2.00      | Pass    |      |      |
|                   |              |           | RB1#0                 | 21.57                           | -1.1               | 20.47      | 0.111    | 2.00      | Pass    |      |      |
|                   |              |           | RB1#25                | 21.73                           | -1.1               | 20.63      | 0.116    | 2.00      | Pass    |      |      |
|                   |              |           | RB1#49                | 21.65                           | -1.1               | 20.55      | 0.114    | 2.00      | Pass    |      |      |
|                   |              |           | RB25#0                | 20.38                           | -1.1               | 19.28      | 0.085    | 2.00      | Pass    |      |      |
|                   |              |           | RB25#13               | 20.34                           | -1.1               | 19.24      | 0.084    | 2.00      | Pass    |      |      |
|                   |              |           | RB25#25               | 20.37                           | -1.1               | 19.27      | 0.085    | 2.00      | Pass    |      |      |
|                   |              | 15 MHz    | LCH                   | QPSK                            | RB1#0              | 22.02      | -1.1     | 20.92     | 0.124   | 2.00 | Pass |
|                   |              |           |                       |                                 | RB1#38             | 22.05      | -1.1     | 20.95     | 0.124   | 2.00 | Pass |
|                   |              |           |                       |                                 | RB1#74             | 21.95      | -1.1     | 20.85     | 0.122   | 2.00 | Pass |
|                   |              |           |                       |                                 | RB36#0             | 21.04      | -1.1     | 19.94     | 0.099   | 2.00 | Pass |
|                   |              |           |                       |                                 | RB36#19            | 21.05      | -1.1     | 19.95     | 0.099   | 2.00 | Pass |
|                   |              |           |                       |                                 | RB36#39            | 21.02      | -1.1     | 19.92     | 0.098   | 2.00 | Pass |
|                   |              |           |                       |                                 | RB75#0             | 21.06      | -1.1     | 19.96     | 0.099   | 2.00 | Pass |
|                   |              |           |                       | 16-QAM                          | RB1#0              | 21.34      | -1.1     | 20.24     | 0.106   | 2.00 | Pass |
| RB1#38            | 21.31        |           |                       |                                 | -1.1               | 20.21      | 0.105    | 2.00      | Pass    |      |      |
| RB1#74            | 21.39        |           |                       |                                 | -1.1               | 20.29      | 0.107    | 2.00      | Pass    |      |      |
| RB36#0            | 20.05        |           |                       |                                 | -1.1               | 18.95      | 0.079    | 2.00      | Pass    |      |      |
| RB36#19           | 20.04        |           |                       |                                 | -1.1               | 18.94      | 0.078    | 2.00      | Pass    |      |      |
| RB36#39           | 20.06        |           |                       |                                 | -1.1               | 18.96      | 0.079    | 2.00      | Pass    |      |      |
| MCH               | QPSK         |           |                       | RB1#0                           | 21.95              | -1.1       | 20.85    | 0.122     | 2.00    | Pass |      |
|                   |              |           |                       | RB1#38                          | 22.08              | -1.1       | 20.98    | 0.125     | 2.00    | Pass |      |
|                   |              |           |                       | RB1#74                          | 21.97              | -1.1       | 20.87    | 0.122     | 2.00    | Pass |      |
|                   |              | RB36#0    | 21.11                 | -1.1                            | 20.01              | 0.100      | 2.00     | Pass      |         |      |      |
|                   |              | RB36#19   | 21.05                 | -1.1                            | 19.95              | 0.099      | 2.00     | Pass      |         |      |      |
|                   |              | RB36#39   | 21.05                 | -1.1                            | 19.95              | 0.099      | 2.00     | Pass      |         |      |      |
|                   |              | RB75#0    | 21.02                 | -1.1                            | 19.92              | 0.098      | 2.00     | Pass      |         |      |      |
|                   | 16-QAM       | RB1#0     | 21.28                 | -1.1                            | 20.18              | 0.104      | 2.00     | Pass      |         |      |      |
|                   |              | RB1#38    | 21.36                 | -1.1                            | 20.26              | 0.106      | 2.00     | Pass      |         |      |      |
|                   |              | RB1#74    | 21.41                 | -1.1                            | 20.31              | 0.107      | 2.00     | Pass      |         |      |      |
|                   |              | RB36#0    | 20.12                 | -1.1                            | 19.02              | 0.080      | 2.00     | Pass      |         |      |      |
|                   |              | RB36#19   | 20.04                 | -1.1                            | 18.94              | 0.078      | 2.00     | Pass      |         |      |      |
|                   |              | RB36#39   | 20.07                 | -1.1                            | 18.97              | 0.079      | 2.00     | Pass      |         |      |      |
|                   |              | RB75#0    | 20.05                 | -1.1                            | 18.95              | 0.079      | 2.00     | Pass      |         |      |      |
|                   |              | HCH       | QPSK                  | RB1#0                           | 21.96              | -1.1       | 20.86    | 0.122     | 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                | 22.02                           | -1.1               | 20.92      | 0.124    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 22.02                           | -1.1               | 20.92      | 0.124    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 21.11                           | -1.1               | 20.01      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 21.1                            | -1.1               | 20.00      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 21.06                           | -1.1               | 19.96      | 0.099    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 21.11                           | -1.1               | 20.01      | 0.100    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.49                           | -1.1               | 20.39      | 0.109    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 21.42                           | -1.1               | 20.32      | 0.108    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 21.31                           | -1.1               | 20.21      | 0.105    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 20.14                           | -1.1               | 19.04      | 0.080    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 20.15                           | -1.1               | 19.05      | 0.080    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 20.06                           | -1.1               | 18.96      | 0.079    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 20.08                           | -1.1               | 18.98      | 0.079    | 2.00      | Pass    |
|                   |              |           | 20 MHz                | LCH                             | QPSK               | RB1#0      | 22.05    | -1.1      | 20.95   |
| RB1#50            | 22.04        | -1.1      |                       |                                 |                    | 20.94      | 0.124    | 2.00      | Pass    |
| RB1#99            | 22           | -1.1      |                       |                                 |                    | 20.90      | 0.123    | 2.00      | Pass    |
| RB50#0            | 21.11        | -1.1      |                       |                                 |                    | 20.01      | 0.100    | 2.00      | Pass    |
| RB50#25           | 21.14        | -1.1      |                       |                                 |                    | 20.04      | 0.101    | 2.00      | Pass    |
| RB50#50           | 21.12        | -1.1      |                       |                                 |                    | 20.02      | 0.100    | 2.00      | Pass    |
| RB100#0           | 21.12        | -1.1      |                       |                                 |                    | 20.02      | 0.100    | 2.00      | Pass    |
| 16-QAM            | RB1#0        | 21.42     |                       |                                 | -1.1               | 20.32      | 0.108    | 2.00      | Pass    |
|                   | RB1#50       | 21.49     |                       |                                 | -1.1               | 20.39      | 0.109    | 2.00      | Pass    |
|                   | RB1#99       | 21.53     |                       |                                 | -1.1               | 20.43      | 0.110    | 2.00      | Pass    |
|                   | RB50#0       | 20.23     |                       |                                 | -1.1               | 19.13      | 0.082    | 2.00      | Pass    |
|                   | RB50#25      | 20.26     |                       |                                 | -1.1               | 19.16      | 0.082    | 2.00      | Pass    |
|                   | RB50#50      | 20.24     |                       |                                 | -1.1               | 19.14      | 0.082    | 2.00      | Pass    |
|                   | RB100#0      | 20.23     |                       |                                 | -1.1               | 19.13      | 0.082    | 2.00      | Pass    |
| 20 MHz            | MCH          | QPSK      | RB1#0                 | 21.93                           | -1.1               | 20.83      | 0.121    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 22.03                           | -1.1               | 20.93      | 0.124    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 21.98                           | -1.1               | 20.88      | 0.122    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.05                           | -1.1               | 19.95      | 0.099    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 21.06                           | -1.1               | 19.96      | 0.099    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 21.07                           | -1.1               | 19.97      | 0.099    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 21.06                           | -1.1               | 19.96      | 0.099    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.39                           | -1.1               | 20.29      | 0.107    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 21.46                           | -1.1               | 20.36      | 0.109    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 21.38                           | -1.1               | 20.28      | 0.107    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 20.07                           | -1.1               | 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 BAND38</b> |              |           |                       |                                 |                    |            |          |           |         |       |      |      |
|                   |              |           | RB50#25               | 20.05                           | -1.1               | 18.95      | 0.079    | 2.00      | Pass    |       |      |      |
|                   |              |           | RB50#50               | 20.09                           | -1.1               | 18.99      | 0.079    | 2.00      | Pass    |       |      |      |
|                   |              |           | RB100#0               | 20.06                           | -1.1               | 18.96      | 0.079    | 2.00      | Pass    |       |      |      |
|                   |              | HCH       | QPSK                  | RB1#0                           | 21.97              | -1.1       | 20.87    | 0.122     | 2.00    | Pass  |      |      |
|                   |              |           |                       | RB1#50                          | 22.03              | -1.1       | 20.93    | 0.124     | 2.00    | Pass  |      |      |
|                   |              |           |                       | RB1#99                          | 21.98              | -1.1       | 20.88    | 0.122     | 2.00    | Pass  |      |      |
|                   |              |           |                       | RB50#0                          | 21.03              | -1.1       | 19.93    | 0.098     | 2.00    | Pass  |      |      |
|                   |              |           |                       | RB50#25                         | 21.09              | -1.1       | 19.99    | 0.100     | 2.00    | Pass  |      |      |
|                   |              |           |                       | RB50#50                         | 21.02              | -1.1       | 19.92    | 0.098     | 2.00    | Pass  |      |      |
|                   |              |           |                       | RB100#0                         | 21.07              | -1.1       | 19.97    | 0.099     | 2.00    | Pass  |      |      |
|                   |              |           |                       | 16-QAM                          | RB1#0              | 21.38      | -1.1     | 20.28     | 0.107   | 2.00  | Pass |      |
|                   |              |           |                       |                                 | RB1#50             | 21.36      | -1.1     | 20.26     | 0.106   | 2.00  | Pass |      |
|                   |              |           | RB1#99                |                                 | 21.29              | -1.1       | 20.19    | 0.104     | 2.00    | Pass  |      |      |
|                   |              |           | RB50#0                |                                 | 20.04              | -1.1       | 18.94    | 0.078     | 2.00    | Pass  |      |      |
|                   |              |           | RB50#25               |                                 | 20.1               | -1.1       | 19.00    | 0.079     | 2.00    | Pass  |      |      |
|                   |              |           | RB50#50               |                                 | 19.99              | -1.1       | 18.89    | 0.077     | 2.00    | Pass  |      |      |
|                   |              |           |                       |                                 |                    | RB100#0    | 20.07    | -1.1      | 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> |              |           |                       |                                 |                    |            |          |           |         |
| 5 MHz             | LCH          | QPSK      | RB1#0                 | 23.86                           | -1                 | 22.86      | 0.193    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 23.97                           | -1                 | 22.97      | 0.198    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 23.89                           | -1                 | 22.89      | 0.195    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 23.05                           | -1                 | 22.05      | 0.160    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 23.09                           | -1                 | 22.09      | 0.162    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 23.03                           | -1                 | 22.03      | 0.160    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 23.04                           | -1                 | 22.04      | 0.160    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.44                           | -1                 | 22.44      | 0.175    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 23.63                           | -1                 | 22.63      | 0.183    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 23.43                           | -1                 | 22.43      | 0.175    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 22.13                           | -1                 | 21.13      | 0.130    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 22.18                           | -1                 | 21.18      | 0.131    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 22.12                           | -1                 | 21.12      | 0.129    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 22.03                           | -1                 | 21.03      | 0.127    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 24.08                           | -1                 | 23.08      | 0.203    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 24.22                           | -1                 | 23.22      | 0.210    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 24.22                           | -1                 | 23.22      | 0.210    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 23.35                           | -1                 | 22.35      | 0.172    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 23.38                           | -1                 | 22.38      | 0.173    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 23.32                           | -1                 | 22.32      | 0.171    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 23.33                           | -1                 | 22.33      | 0.171    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.52                           | -1                 | 22.52      | 0.179    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 23.86                           | -1                 | 22.86      | 0.193    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 23.66                           | -1                 | 22.66      | 0.185    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 22.41                           | -1                 | 21.41      | 0.138    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 22.44                           | -1                 | 21.44      | 0.139    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 22.4                            | -1                 | 21.40      | 0.138    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 22.38                           | -1                 | 21.38      | 0.137    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 24                              | -1                 | 23.00      | 0.200    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 24.06                           | -1                 | 23.06      | 0.202    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 23.97                           | -1                 | 22.97      | 0.198    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 23.18                           | -1                 | 22.18      | 0.165    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 23.22                           | -1                 | 22.22      | 0.167    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 23.22                           | -1                 | 22.22      | 0.167    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 23.16                           | -1                 | 22.16      | 0.164    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.5                            | -1                 | 22.50      | 0.178    | 2.00      | Pass    |
| RB1#13            |              |           | 23.55                 | -1                              | 22.55              | 0.180      | 2.00     | Pass      |         |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND41</b> |              |           |                       |                                 |                    |            |          |           |         |
| 10 MHz            |              |           | RB1#24                | 23.48                           | -1                 | 22.48      | 0.177    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 22.11                           | -1                 | 21.11      | 0.129    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 22.19                           | -1                 | 21.19      | 0.132    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 22.16                           | -1                 | 21.16      | 0.131    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 22.25                           | -1                 | 21.25      | 0.133    | 2.00      | Pass    |
|                   | LCH          | QPSK      | RB1#0                 | 23.79                           | -1                 | 22.79      | 0.190    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 23.77                           | -1                 | 22.77      | 0.189    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 23.78                           | -1                 | 22.78      | 0.190    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 20.95                           | -1                 | 19.95      | 0.099    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 21.06                           | -1                 | 20.06      | 0.101    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 21.07                           | -1                 | 20.07      | 0.102    | 2.00      | Pass    |
|                   |              | RB50#0    | 21.05                 | -1                              | 20.05              | 0.101      | 2.00     | Pass      |         |
|                   |              | 16-QAM    | RB1#0                 | 23.28                           | -1                 | 22.28      | 0.169    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 23.37                           | -1                 | 22.37      | 0.173    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 23.36                           | -1                 | 22.36      | 0.172    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.97                           | -1                 | 20.97      | 0.125    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 22.04                           | -1                 | 21.04      | 0.127    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 22.08                           | -1                 | 21.08      | 0.128    | 2.00      | Pass    |
|                   | RB50#0       | 22.06     | -1                    | 21.06                           | 0.128              | 2.00       | Pass     |           |         |
|                   | MCH          | QPSK      | RB1#0                 | 24.01                           | -1                 | 23.01      | 0.200    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 24.08                           | -1                 | 23.08      | 0.203    | 2.00      | Pass    |
|                   |              |           | RB1#49                | 24.08                           | -1                 | 23.08      | 0.203    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 21.31                           | -1                 | 20.31      | 0.107    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 21.38                           | -1                 | 20.38      | 0.109    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 21.34                           | -1                 | 20.34      | 0.108    | 2.00      | Pass    |
|                   |              | RB50#0    | 21.37                 | -1                              | 20.37              | 0.109      | 2.00     | Pass      |         |
|                   |              | 16-QAM    | RB1#0                 | 23.65                           | -1                 | 22.65      | 0.184    | 2.00      | Pass    |
|                   |              |           | RB1#25                | 23.76                           | -1                 | 22.76      | 0.189    | 2.00      | Pass    |
| RB1#49            |              |           | 23.71                 | -1                              | 22.71              | 0.187      | 2.00     | Pass      |         |
| RB25#0            |              |           | 22.36                 | -1                              | 21.36              | 0.137      | 2.00     | Pass      |         |
| RB25#13           |              |           | 22.4                  | -1                              | 21.40              | 0.138      | 2.00     | Pass      |         |
| RB25#25           |              |           | 22.36                 | -1                              | 21.36              | 0.137      | 2.00     | Pass      |         |
| RB50#0            | 22.34        | -1        | 21.34                 | 0.136                           | 2.00               | Pass       |          |           |         |
| HCH               | QPSK         | RB1#0     | 23.94                 | -1                              | 22.94              | 0.197      | 2.00     | Pass      |         |
|                   |              | RB1#25    | 24.02                 | -1                              | 23.02              | 0.200      | 2.00     | Pass      |         |
|                   |              | RB1#49    | 23.97                 | -1                              | 22.97              | 0.198      | 2.00     | Pass      |         |
|                   |              | RB25#0    | 21.17                 | -1                              | 20.17              | 0.104      | 2.00     | Pass      |         |
|                   |              | RB25#13   | 21.21                 | -1                              | 20.21              | 0.105      | 2.00     | Pass      |         |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |      |      |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|------|------|
| <b>LTE BAND41</b> |              |           |                       |                                 |                    |            |          |           |         |      |      |
|                   |              | 16-QAM    | RB25#25               | 21.15                           | -1                 | 20.15      | 0.104    | 2.00      | Pass    |      |      |
|                   |              |           | RB50#0                | 21.23                           | -1                 | 20.23      | 0.105    | 2.00      | Pass    |      |      |
|                   |              |           | RB1#0                 | 23.41                           | -1                 | 22.41      | 0.174    | 2.00      | Pass    |      |      |
|                   |              |           | RB1#25                | 23.58                           | -1                 | 22.58      | 0.181    | 2.00      | Pass    |      |      |
|                   |              |           | RB1#49                | 23.61                           | -1                 | 22.61      | 0.182    | 2.00      | Pass    |      |      |
|                   |              |           | RB25#0                | 22.2                            | -1                 | 21.20      | 0.132    | 2.00      | Pass    |      |      |
|                   |              |           | RB25#13               | 22.25                           | -1                 | 21.25      | 0.133    | 2.00      | Pass    |      |      |
|                   |              |           | RB25#25               | 22.19                           | -1                 | 21.19      | 0.132    | 2.00      | Pass    |      |      |
|                   |              | 15 MHz    | LCH                   | QPSK                            | RB1#0              | 23.63      | -1       | 22.63     | 0.183   | 2.00 | Pass |
|                   |              |           |                       |                                 | RB1#38             | 23.61      | -1       | 22.61     | 0.182   | 2.00 | Pass |
|                   |              |           |                       |                                 | RB1#74             | 22.82      | -1       | 21.82     | 0.152   | 2.00 | Pass |
|                   |              |           |                       |                                 | RB36#0             | 20.79      | -1       | 19.79     | 0.095   | 2.00 | Pass |
|                   |              |           |                       |                                 | RB36#19            | 20.89      | -1       | 19.89     | 0.097   | 2.00 | Pass |
|                   |              |           |                       |                                 | RB36#39            | 20.89      | -1       | 19.89     | 0.097   | 2.00 | Pass |
|                   |              |           |                       |                                 | RB75#0             | 20.91      | -1       | 19.91     | 0.098   | 2.00 | Pass |
|                   |              |           |                       | 16-QAM                          | RB1#0              | 23.2       | -1       | 22.20     | 0.166   | 2.00 | Pass |
| RB1#38            | 23.11        |           |                       |                                 | -1                 | 22.11      | 0.163    | 2.00      | Pass    |      |      |
| RB1#74            | 23.09        |           |                       |                                 | -1                 | 22.09      | 0.162    | 2.00      | Pass    |      |      |
| RB36#0            | 21.83        |           |                       |                                 | -1                 | 20.83      | 0.121    | 2.00      | Pass    |      |      |
| RB36#19           | 21.94        |           |                       |                                 | -1                 | 20.94      | 0.124    | 2.00      | Pass    |      |      |
| RB36#39           | 21.91        |           |                       |                                 | -1                 | 20.91      | 0.123    | 2.00      | Pass    |      |      |
| RB75#0            | 21.91        |           |                       |                                 | -1                 | 20.91      | 0.123    | 2.00      | Pass    |      |      |
| MCH               | QPSK         |           |                       | RB1#0                           | 23.91              | -1         | 22.91    | 0.195     | 2.00    | Pass |      |
|                   |              |           |                       | RB1#38                          | 23.92              | -1         | 22.92    | 0.196     | 2.00    | Pass |      |
|                   |              | RB1#74    | 23.08                 | -1                              | 22.08              | 0.161      | 2.00     | Pass      |         |      |      |
|                   |              | RB36#0    | 21.15                 | -1                              | 20.15              | 0.104      | 2.00     | Pass      |         |      |      |
|                   |              | RB36#19   | 21.16                 | -1                              | 20.16              | 0.104      | 2.00     | Pass      |         |      |      |
|                   |              | RB36#39   | 21.2                  | -1                              | 20.20              | 0.105      | 2.00     | Pass      |         |      |      |
|                   |              | RB75#0    | 21.18                 | -1                              | 20.18              | 0.104      | 2.00     | Pass      |         |      |      |
|                   | 16-QAM       | RB1#0     | 23.34                 | -1                              | 22.34              | 0.171      | 2.00     | Pass      |         |      |      |
|                   |              | RB1#38    | 23.59                 | -1                              | 22.59              | 0.182      | 2.00     | Pass      |         |      |      |
|                   |              | RB1#74    | 23.6                  | -1                              | 22.60              | 0.182      | 2.00     | Pass      |         |      |      |
|                   |              | RB36#0    | 22.16                 | -1                              | 21.16              | 0.131      | 2.00     | Pass      |         |      |      |
|                   |              | RB36#19   | 22.19                 | -1                              | 21.19              | 0.132      | 2.00     | Pass      |         |      |      |
|                   |              | RB36#39   | 22.16                 | -1                              | 21.16              | 0.131      | 2.00     | Pass      |         |      |      |
|                   |              | RB75#0    | 22.16                 | -1                              | 21.16              | 0.131      | 2.00     | Pass      |         |      |      |
| HCH               | QPSK         | RB1#0     | 23.81                 | -1                              | 22.81              | 0.191      | 2.00     | Pass      |         |      |      |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND41</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB1#38                | 23.8                            | -1                 | 22.80      | 0.191    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 23.05                           | -1                 | 22.05      | 0.160    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 21.07                           | -1                 | 20.07      | 0.102    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 21.07                           | -1                 | 20.07      | 0.102    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 21.01                           | -1                 | 20.01      | 0.100    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 21.11                           | -1                 | 20.11      | 0.103    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.27                           | -1                 | 22.27      | 0.169    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 23.37                           | -1                 | 22.37      | 0.173    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 23.34                           | -1                 | 22.34      | 0.171    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 22.07                           | -1                 | 21.07      | 0.128    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 22.11                           | -1                 | 21.11      | 0.129    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 22.02                           | -1                 | 21.02      | 0.126    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 22.12                           | -1                 | 21.12      | 0.129    | 2.00      | Pass    |
|                   |              |           | 20 MHz                | LCH                             | QPSK               | RB1#0      | 23.75    | -1        | 22.75   |
| RB1#50            | 23.68        | -1        |                       |                                 |                    | 22.68      | 0.185    | 2.00      | Pass    |
| RB1#99            | 23.77        | -1        |                       |                                 |                    | 22.77      | 0.189    | 2.00      | Pass    |
| RB50#0            | 20.8         | -1        |                       |                                 |                    | 19.80      | 0.095    | 2.00      | Pass    |
| RB50#25           | 20.94        | -1        |                       |                                 |                    | 19.94      | 0.099    | 2.00      | Pass    |
| RB50#50           | 21.01        | -1        |                       |                                 |                    | 20.01      | 0.100    | 2.00      | Pass    |
| RB100#0           | 20.99        | -1        |                       |                                 |                    | 19.99      | 0.100    | 2.00      | Pass    |
| 16-QAM            | RB1#0        | 23.22     |                       |                                 | -1                 | 22.22      | 0.167    | 2.00      | Pass    |
|                   | RB1#50       | 23.37     |                       |                                 | -1                 | 22.37      | 0.173    | 2.00      | Pass    |
|                   | RB1#99       | 23.51     |                       |                                 | -1                 | 22.51      | 0.178    | 2.00      | Pass    |
|                   | RB50#0       | 21.81     |                       |                                 | -1                 | 20.81      | 0.121    | 2.00      | Pass    |
|                   | RB50#25      | 21.95     |                       |                                 | -1                 | 20.95      | 0.124    | 2.00      | Pass    |
|                   | RB50#50      | 21.96     |                       |                                 | -1                 | 20.96      | 0.125    | 2.00      | Pass    |
|                   | RB100#0      | 21.95     |                       |                                 | -1                 | 20.95      | 0.124    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.94                           | -1                 | 22.94      | 0.197    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 23.92                           | -1                 | 22.92      | 0.196    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 23.9                            | -1                 | 22.90      | 0.195    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 21.15                           | -1                 | 20.15      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 21.17                           | -1                 | 20.17      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 21.19                           | -1                 | 20.19      | 0.104    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 21.17                           | -1                 | 20.17      | 0.104    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.74                           | -1                 | 22.74      | 0.188    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 23.85                           | -1                 | 22.85      | 0.193    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 23.55                           | -1                 | 22.55      | 0.180    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 22.17                           | -1                 | 21.17      | 0.131    | 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               | 22.17                           | -1                 | 21.17      | 0.131    | 2.00      | Pass    |      |      |
|                   |              |           | RB50#50               | 22.18                           | -1                 | 21.18      | 0.131    | 2.00      | Pass    |      |      |
|                   |              |           | RB100#0               | 22.19                           | -1                 | 21.19      | 0.132    | 2.00      | Pass    |      |      |
|                   | HCH          | QPSK      | RB1#0                 | 23.79                           | -1                 | 22.79      | 0.190    | 2.00      | Pass    |      |      |
|                   |              |           | RB1#50                | 23.8                            | -1                 | 22.80      | 0.191    | 2.00      | Pass    |      |      |
|                   |              |           | RB1#99                | 23.88                           | -1                 | 22.88      | 0.194    | 2.00      | Pass    |      |      |
|                   |              |           | RB50#0                | 21.07                           | -1                 | 20.07      | 0.102    | 2.00      | Pass    |      |      |
|                   |              |           | RB50#25               | 21.08                           | -1                 | 20.08      | 0.102    | 2.00      | Pass    |      |      |
|                   |              |           | RB50#50               | 21.06                           | -1                 | 20.06      | 0.101    | 2.00      | Pass    |      |      |
|                   |              |           | RB100#0               | 21.09                           | -1                 | 20.09      | 0.102    | 2.00      | Pass    |      |      |
|                   |              |           | 16-QAM                | RB1#0                           | 23.39              | -1         | 22.39    | 0.173     | 2.00    | Pass |      |
|                   |              |           |                       | RB1#50                          | 23.38              | -1         | 22.38    | 0.173     | 2.00    | Pass |      |
|                   |              | RB1#99    |                       | 23.45                           | -1                 | 22.45      | 0.176    | 2.00      | Pass    |      |      |
|                   |              | RB50#0    |                       | 22.08                           | -1                 | 21.08      | 0.128    | 2.00      | Pass    |      |      |
|                   |              | RB50#25   |                       | 22.1                            | -1                 | 21.10      | 0.129    | 2.00      | Pass    |      |      |
|                   |              | RB50#50   |                       | 22.06                           | -1                 | 21.06      | 0.128    | 2.00      | Pass    |      |      |
|                   |              |           |                       |                                 | RB100#0            | 22.1       | -1       | 21.10     | 0.129   | 2.00 | Pass |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND66</b> |              |           |                       |                                 |                    |            |          |           |         |
| 1.4 MHz           | LCH          | QPSK      | RB1#0                 | 22.57                           | -4.5               | 18.07      | 0.064    | 1.00      | Pass    |
|                   |              |           | RB1#3                 | 22.62                           | -4.5               | 18.12      | 0.065    | 1.00      | Pass    |
|                   |              |           | RB1#5                 | 22.57                           | -4.5               | 18.07      | 0.064    | 1.00      | Pass    |
|                   |              |           | RB3#0                 | 22.63                           | -4.5               | 18.13      | 0.065    | 1.00      | Pass    |
|                   |              |           | RB3#2                 | 22.62                           | -4.5               | 18.12      | 0.065    | 1.00      | Pass    |
|                   |              |           | RB3#3                 | 22.57                           | -4.5               | 18.07      | 0.064    | 1.00      | Pass    |
|                   |              |           | RB6#0                 | 21.58                           | -4.5               | 17.08      | 0.051    | 1.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.7                            | -4.5               | 17.20      | 0.052    | 1.00      | Pass    |
|                   |              |           | RB1#3                 | 21.74                           | -4.5               | 17.24      | 0.053    | 1.00      | Pass    |
|                   |              |           | RB1#5                 | 21.78                           | -4.5               | 17.28      | 0.053    | 1.00      | Pass    |
|                   |              |           | RB3#0                 | 21.74                           | -4.5               | 17.24      | 0.053    | 1.00      | Pass    |
|                   |              |           | RB3#2                 | 21.79                           | -4.5               | 17.29      | 0.054    | 1.00      | Pass    |
|                   |              |           | RB3#3                 | 21.74                           | -4.5               | 17.24      | 0.053    | 1.00      | Pass    |
|                   |              |           | RB6#0                 | 20.65                           | -4.5               | 16.15      | 0.041    | 1.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.64                           | -4.5               | 18.14      | 0.065    | 1.00      | Pass    |
|                   |              |           | RB1#3                 | 22.74                           | -4.5               | 18.24      | 0.067    | 1.00      | Pass    |
|                   |              |           | RB1#5                 | 22.69                           | -4.5               | 18.19      | 0.066    | 1.00      | Pass    |
|                   |              |           | RB3#0                 | 22.69                           | -4.5               | 18.19      | 0.066    | 1.00      | Pass    |
|                   |              |           | RB3#2                 | 22.65                           | -4.5               | 18.15      | 0.065    | 1.00      | Pass    |
|                   |              |           | RB3#3                 | 22.63                           | -4.5               | 18.13      | 0.065    | 1.00      | Pass    |
|                   |              |           | RB6#0                 | 21.66                           | -4.5               | 17.16      | 0.052    | 1.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.94                           | -4.5               | 17.44      | 0.055    | 1.00      | Pass    |
|                   |              |           | RB1#3                 | 21.93                           | -4.5               | 17.43      | 0.055    | 1.00      | Pass    |
|                   |              |           | RB1#5                 | 21.91                           | -4.5               | 17.41      | 0.055    | 1.00      | Pass    |
|                   |              |           | RB3#0                 | 21.87                           | -4.5               | 17.37      | 0.055    | 1.00      | Pass    |
|                   |              |           | RB3#2                 | 21.83                           | -4.5               | 17.33      | 0.054    | 1.00      | Pass    |
|                   |              |           | RB3#3                 | 21.83                           | -4.5               | 17.33      | 0.054    | 1.00      | Pass    |
|                   |              |           | RB6#0                 | 20.69                           | -4.5               | 16.19      | 0.042    | 1.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.75                           | -4.5               | 18.25      | 0.067    | 1.00      | Pass    |
|                   |              |           | RB1#3                 | 22.78                           | -4.5               | 18.28      | 0.067    | 1.00      | Pass    |
| RB1#5             |              |           | 22.75                 | -4.5                            | 18.25              | 0.067      | 1.00     | Pass      |         |
| RB3#0             |              |           | 22.75                 | -4.5                            | 18.25              | 0.067      | 1.00     | Pass      |         |
| RB3#2             |              |           | 22.75                 | -4.5                            | 18.25              | 0.067      | 1.00     | Pass      |         |
| RB3#3             |              |           | 22.77                 | -4.5                            | 18.27              | 0.067      | 1.00     | Pass      |         |
| RB6#0             |              |           | 21.74                 | -4.5                            | 17.24              | 0.053      | 1.00     | Pass      |         |
| 16-QAM            |              | RB1#0     | 22.05                 | -4.5                            | 17.55              | 0.057      | 1.00     | Pass      |         |
|                   |              | RB1#3     | 22.02                 | -4.5                            | 17.52              | 0.056      | 1.00     | Pass      |         |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND66</b> |              |           |                       |                                 |                    |            |          |           |         |
| 3 MHz             |              |           | RB1#5                 | 21.98                           | -4.5               | 17.48      | 0.056    | 1.00      | Pass    |
|                   |              |           | RB3#0                 | 21.88                           | -4.5               | 17.38      | 0.055    | 1.00      | Pass    |
|                   |              |           | RB3#2                 | 21.96                           | -4.5               | 17.46      | 0.056    | 1.00      | Pass    |
|                   |              |           | RB3#3                 | 21.92                           | -4.5               | 17.42      | 0.055    | 1.00      | Pass    |
|                   |              |           | RB6#0                 | 20.86                           | -4.5               | 16.36      | 0.043    | 1.00      | Pass    |
|                   | LCH          | QPSK      | RB1#0                 | 22.64                           | -4.5               | 18.14      | 0.065    | 1.00      | Pass    |
|                   |              |           | RB1#7                 | 22.72                           | -4.5               | 18.22      | 0.066    | 1.00      | Pass    |
|                   |              |           | RB1#14                | 22.63                           | -4.5               | 18.13      | 0.065    | 1.00      | Pass    |
|                   |              |           | RB8#0                 | 21.63                           | -4.5               | 17.13      | 0.052    | 1.00      | Pass    |
|                   |              |           | RB8#4                 | 21.66                           | -4.5               | 17.16      | 0.052    | 1.00      | Pass    |
|                   |              |           | RB8#7                 | 21.67                           | -4.5               | 17.17      | 0.052    | 1.00      | Pass    |
|                   |              | 16-QAM    | RB15#0                | 21.63                           | -4.5               | 17.13      | 0.052    | 1.00      | Pass    |
|                   |              |           | RB1#0                 | 21.83                           | -4.5               | 17.33      | 0.054    | 1.00      | Pass    |
|                   |              |           | RB1#7                 | 21.93                           | -4.5               | 17.43      | 0.055    | 1.00      | Pass    |
|                   |              |           | RB1#14                | 21.82                           | -4.5               | 17.32      | 0.054    | 1.00      | Pass    |
|                   |              |           | RB8#0                 | 20.7                            | -4.5               | 16.20      | 0.042    | 1.00      | Pass    |
|                   |              |           | RB8#4                 | 20.75                           | -4.5               | 16.25      | 0.042    | 1.00      | Pass    |
|                   |              | MCH       | QPSK                  | RB8#7                           | 20.7               | -4.5       | 16.20    | 0.042     | 1.00    |
|                   | RB15#0       |           |                       | 20.72                           | -4.5               | 16.22      | 0.042    | 1.00      | Pass    |
|                   | RB1#0        |           |                       | 22.58                           | -4.5               | 18.08      | 0.064    | 1.00      | Pass    |
|                   | RB1#7        |           |                       | 22.71                           | -4.5               | 18.21      | 0.066    | 1.00      | Pass    |
|                   | RB1#14       |           |                       | 22.57                           | -4.5               | 18.07      | 0.064    | 1.00      | Pass    |
|                   | RB8#0        |           |                       | 21.7                            | -4.5               | 17.20      | 0.052    | 1.00      | Pass    |
|                   | 16-QAM       |           | RB8#4                 | 21.62                           | -4.5               | 17.12      | 0.052    | 1.00      | Pass    |
|                   |              |           | RB8#7                 | 21.62                           | -4.5               | 17.12      | 0.052    | 1.00      | Pass    |
|                   |              |           | RB15#0                | 21.57                           | -4.5               | 17.07      | 0.051    | 1.00      | Pass    |
|                   |              |           | RB1#0                 | 21.99                           | -4.5               | 17.49      | 0.056    | 1.00      | Pass    |
|                   |              |           | RB1#7                 | 22.01                           | -4.5               | 17.51      | 0.056    | 1.00      | Pass    |
| RB1#14            |              |           | 22.03                 | -4.5                            | 17.53              | 0.057      | 1.00     | Pass      |         |
| HCH               | QPSK         | RB8#0     | 20.71                 | -4.5                            | 16.21              | 0.042      | 1.00     | Pass      |         |
|                   |              | RB8#4     | 20.7                  | -4.5                            | 16.20              | 0.042      | 1.00     | Pass      |         |
|                   |              | RB8#7     | 20.64                 | -4.5                            | 16.14              | 0.041      | 1.00     | Pass      |         |
|                   |              | RB15#0    | 20.6                  | -4.5                            | 16.10              | 0.041      | 1.00     | Pass      |         |
|                   |              | RB1#0     | 22.74                 | -4.5                            | 18.24              | 0.067      | 1.00     | Pass      |         |
|                   |              |           | RB1#7                 | 22.82                           | -4.5               | 18.32      | 0.068    | 1.00      | Pass    |
|                   |              |           | RB1#14                | 22.75                           | -4.5               | 18.25      | 0.067    | 1.00      | Pass    |
|                   |              |           | RB8#0                 | 21.77                           | -4.5               | 17.27      | 0.053    | 1.00      | Pass    |
|                   |              |           | RB8#4                 | 21.79                           | -4.5               | 17.29      | 0.054    | 1.00      | Pass    |



| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |      |      |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|------|------|
| <b>LTE BAND66</b> |              |           |                       |                                 |                    |            |          |           |         |      |      |
|                   |              | 16-QAM    | RB8#7                 | 21.77                           | -4.5               | 17.27      | 0.053    | 1.00      | Pass    |      |      |
|                   |              |           | RB15#0                | 21.78                           | -4.5               | 17.28      | 0.053    | 1.00      | Pass    |      |      |
|                   |              |           | RB1#0                 | 22.02                           | -4.5               | 17.52      | 0.056    | 1.00      | Pass    |      |      |
|                   |              |           | RB1#7                 | 22.01                           | -4.5               | 17.51      | 0.056    | 1.00      | Pass    |      |      |
|                   |              |           | RB1#14                | 22.05                           | -4.5               | 17.55      | 0.057    | 1.00      | Pass    |      |      |
|                   |              |           | RB8#0                 | 20.82                           | -4.5               | 16.32      | 0.043    | 1.00      | Pass    |      |      |
|                   |              |           | RB8#4                 | 20.85                           | -4.5               | 16.35      | 0.043    | 1.00      | Pass    |      |      |
|                   |              |           | RB8#7                 | 20.83                           | -4.5               | 16.33      | 0.043    | 1.00      | Pass    |      |      |
|                   |              |           |                       |                                 | RB15#0             | 20.78      | -4.5     | 16.28     | 0.042   | 1.00 | Pass |
|                   |              | 5 MHz     | LCH                   | QPSK                            | RB1#0              | 22.61      | -4.5     | 18.11     | 0.065   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB1#13             | 22.74      | -4.5     | 18.24     | 0.067   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB1#24             | 22.67      | -4.5     | 18.17     | 0.066   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB12#0             | 21.63      | -4.5     | 17.13     | 0.052   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB12#6             | 21.66      | -4.5     | 17.16     | 0.052   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB12#13            | 21.65      | -4.5     | 17.15     | 0.052   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB25#0             | 21.65      | -4.5     | 17.15     | 0.052   | 1.00 | Pass |
|                   |              |           |                       | 16-QAM                          | RB1#0              | 21.89      | -4.5     | 17.39     | 0.055   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB1#13             | 22.07      | -4.5     | 17.57     | 0.057   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB1#24             | 21.99      | -4.5     | 17.49     | 0.056   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB12#0             | 20.59      | -4.5     | 16.09     | 0.041   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB12#6             | 20.65      | -4.5     | 16.15     | 0.041   | 1.00 | Pass |
|                   |              |           | RB12#13               |                                 | 20.62              | -4.5       | 16.12    | 0.041     | 1.00    | Pass |      |
|                   |              |           |                       | RB25#0                          | 20.7               | -4.5       | 16.20    | 0.042     | 1.00    | Pass |      |
|                   | MCH          |           | QPSK                  | RB1#0                           | 22.66              | -4.5       | 18.16    | 0.065     | 1.00    | Pass |      |
|                   |              |           |                       |                                 | RB1#13             | 22.71      | -4.5     | 18.21     | 0.066   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB1#24             | 22.65      | -4.5     | 18.15     | 0.065   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB12#0             | 21.69      | -4.5     | 17.19     | 0.052   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB12#6             | 21.65      | -4.5     | 17.15     | 0.052   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB12#13            | 21.6       | -4.5     | 17.10     | 0.051   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB25#0             | 21.62      | -4.5     | 17.12     | 0.052   | 1.00 | Pass |
|                   |              |           |                       | 16-QAM                          | RB1#0              | 22         | -4.5     | 17.50     | 0.056   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB1#13             | 22.13      | -4.5     | 17.63     | 0.058   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB1#24             | 21.92      | -4.5     | 17.42     | 0.055   | 1.00 | Pass |
|                   |              |           | RB12#0                |                                 | 20.63              | -4.5       | 16.13    | 0.041     | 1.00    | Pass |      |
|                   |              |           | RB12#6                |                                 | 20.58              | -4.5       | 16.08    | 0.041     | 1.00    | Pass |      |
|                   |              | RB12#13   | 20.56                 |                                 | -4.5               | 16.06      | 0.040    | 1.00      | Pass    |      |      |
|                   |              |           | RB25#0                | 20.61                           | -4.5               | 16.11      | 0.041    | 1.00      | Pass    |      |      |
|                   | HCH          | QPSK      | RB1#0                 | 22.74                           | -4.5               | 18.24      | 0.067    | 1.00      | Pass    |      |      |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND66</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB1#13                | 22.87                           | -4.5               | 18.37      | 0.069    | 1.00      | Pass    |
|                   |              |           | RB1#24                | 22.77                           | -4.5               | 18.27      | 0.067    | 1.00      | Pass    |
|                   |              |           | RB12#0                | 21.79                           | -4.5               | 17.29      | 0.054    | 1.00      | Pass    |
|                   |              |           | RB12#6                | 21.79                           | -4.5               | 17.29      | 0.054    | 1.00      | Pass    |
|                   |              |           | RB12#13               | 21.77                           | -4.5               | 17.27      | 0.053    | 1.00      | Pass    |
|                   |              |           | RB25#0                | 21.79                           | -4.5               | 17.29      | 0.054    | 1.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.12                           | -4.5               | 17.62      | 0.058    | 1.00      | Pass    |
|                   |              |           | RB1#13                | 22.12                           | -4.5               | 17.62      | 0.058    | 1.00      | Pass    |
|                   |              |           | RB1#24                | 22.11                           | -4.5               | 17.61      | 0.058    | 1.00      | Pass    |
|                   |              |           | RB12#0                | 20.85                           | -4.5               | 16.35      | 0.043    | 1.00      | Pass    |
|                   |              |           | RB12#6                | 20.9                            | -4.5               | 16.40      | 0.044    | 1.00      | Pass    |
|                   |              |           | RB12#13               | 20.88                           | -4.5               | 16.38      | 0.043    | 1.00      | Pass    |
|                   |              |           | RB25#0                | 20.8                            | -4.5               | 16.30      | 0.043    | 1.00      | Pass    |
|                   |              |           | 10 MHz                | LCH                             | QPSK               | RB1#0      | 22.58    | -4.5      | 18.08   |
| RB1#25            | 22.68        | -4.5      |                       |                                 |                    | 18.18      | 0.066    | 1.00      | Pass    |
| RB1#49            | 22.62        | -4.5      |                       |                                 |                    | 18.12      | 0.065    | 1.00      | Pass    |
| RB25#0            | 21.6         | -4.5      |                       |                                 |                    | 17.10      | 0.051    | 1.00      | Pass    |
| RB25#13           | 21.67        | -4.5      |                       |                                 |                    | 17.17      | 0.052    | 1.00      | Pass    |
| RB25#25           | 21.65        | -4.5      |                       |                                 |                    | 17.15      | 0.052    | 1.00      | Pass    |
| RB50#0            | 21.65        | -4.5      |                       |                                 |                    | 17.15      | 0.052    | 1.00      | Pass    |
| 16-QAM            | RB1#0        | 21.85     |                       |                                 | -4.5               | 17.35      | 0.054    | 1.00      | Pass    |
|                   | RB1#25       | 21.81     |                       |                                 | -4.5               | 17.31      | 0.054    | 1.00      | Pass    |
|                   | RB1#49       | 21.96     |                       |                                 | -4.5               | 17.46      | 0.056    | 1.00      | Pass    |
|                   | RB25#0       | 20.68     |                       |                                 | -4.5               | 16.18      | 0.041    | 1.00      | Pass    |
|                   | RB25#13      | 20.7      |                       |                                 | -4.5               | 16.20      | 0.042    | 1.00      | Pass    |
|                   | RB25#25      | 20.69     |                       |                                 | -4.5               | 16.19      | 0.042    | 1.00      | Pass    |
|                   | RB50#0       | 20.7      |                       |                                 | -4.5               | 16.20      | 0.042    | 1.00      | Pass    |
| 10 MHz            | MCH          | QPSK      | RB1#0                 | 22.61                           | -4.5               | 18.11      | 0.065    | 1.00      | Pass    |
|                   |              |           | RB1#25                | 22.67                           | -4.5               | 18.17      | 0.066    | 1.00      | Pass    |
|                   |              |           | RB1#49                | 22.64                           | -4.5               | 18.14      | 0.065    | 1.00      | Pass    |
|                   |              |           | RB25#0                | 21.59                           | -4.5               | 17.09      | 0.051    | 1.00      | Pass    |
|                   |              |           | RB25#13               | 21.57                           | -4.5               | 17.07      | 0.051    | 1.00      | Pass    |
|                   |              |           | RB25#25               | 21.6                            | -4.5               | 17.10      | 0.051    | 1.00      | Pass    |
|                   |              |           | RB50#0                | 21.59                           | -4.5               | 17.09      | 0.051    | 1.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.92                           | -4.5               | 17.42      | 0.055    | 1.00      | Pass    |
|                   |              |           | RB1#25                | 22.06                           | -4.5               | 17.56      | 0.057    | 1.00      | Pass    |
|                   |              |           | RB1#49                | 21.91                           | -4.5               | 17.41      | 0.055    | 1.00      | Pass    |
|                   |              |           | RB25#0                | 20.65                           | -4.5               | 16.15      | 0.041    | 1.00      | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |      |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|------|
| <b>LTE BAND66</b> |              |           |                       |                                 |                    |            |          |           |         |      |
| 15 MHz            | HCH          | QPSK      | RB25#13               | 20.63                           | -4.5               | 16.13      | 0.041    | 1.00      | Pass    |      |
|                   |              |           | RB25#25               | 20.64                           | -4.5               | 16.14      | 0.041    | 1.00      | Pass    |      |
|                   |              |           | RB50#0                | 20.62                           | -4.5               | 16.12      | 0.041    | 1.00      | Pass    |      |
|                   |              | 16-QAM    | QPSK                  | RB1#0                           | 22.65              | -4.5       | 18.15    | 0.065     | 1.00    | Pass |
|                   |              |           |                       | RB1#25                          | 22.84              | -4.5       | 18.34    | 0.068     | 1.00    | Pass |
|                   |              |           |                       | RB1#49                          | 22.84              | -4.5       | 18.34    | 0.068     | 1.00    | Pass |
|                   |              |           | 16-QAM                | RB25#0                          | 21.76              | -4.5       | 17.26    | 0.053     | 1.00    | Pass |
|                   |              |           |                       | RB25#13                         | 21.81              | -4.5       | 17.31    | 0.054     | 1.00    | Pass |
|                   |              |           |                       | RB25#25                         | 21.77              | -4.5       | 17.27    | 0.053     | 1.00    | Pass |
|                   | RB50#0       |           |                       | 21.75                           | -4.5               | 17.25      | 0.053    | 1.00      | Pass    |      |
|                   | RB1#0        |           |                       | 21.97                           | -4.5               | 17.47      | 0.056    | 1.00      | Pass    |      |
|                   | RB1#25       |           |                       | 22.06                           | -4.5               | 17.56      | 0.057    | 1.00      | Pass    |      |
|                   | LCH          | QPSK      | RB1#49                | 22                              | -4.5               | 17.50      | 0.056    | 1.00      | Pass    |      |
|                   |              |           | RB25#0                | 20.83                           | -4.5               | 16.33      | 0.043    | 1.00      | Pass    |      |
|                   |              |           | RB25#13               | 20.81                           | -4.5               | 16.31      | 0.043    | 1.00      | Pass    |      |
|                   |              |           | RB25#25               | 20.73                           | -4.5               | 16.23      | 0.042    | 1.00      | Pass    |      |
|                   |              |           | RB50#0                | 20.81                           | -4.5               | 16.31      | 0.043    | 1.00      | Pass    |      |
|                   |              |           | RB1#0                 | 22.35                           | -4.5               | 17.85      | 0.061    | 1.00      | Pass    |      |
|                   |              | 16-QAM    | RB1#38                | 22.43                           | -4.5               | 17.93      | 0.062    | 1.00      | Pass    |      |
|                   |              |           | RB1#74                | 22.47                           | -4.5               | 17.97      | 0.063    | 1.00      | Pass    |      |
|                   |              |           | RB36#0                | 21.47                           | -4.5               | 16.97      | 0.050    | 1.00      | Pass    |      |
| RB36#19           |              |           | 21.51                 | -4.5                            | 17.01              | 0.050      | 1.00     | Pass      |         |      |
| RB36#39           |              |           | 21.54                 | -4.5                            | 17.04              | 0.051      | 1.00     | Pass      |         |      |
| RB75#0            |              |           | 21.49                 | -4.5                            | 16.99              | 0.050      | 1.00     | Pass      |         |      |
| MCH               | QPSK         | RB1#0     | 21.7                  | -4.5                            | 17.20              | 0.052      | 1.00     | Pass      |         |      |
|                   |              | RB1#38    | 21.81                 | -4.5                            | 17.31              | 0.054      | 1.00     | Pass      |         |      |
|                   |              | RB1#74    | 21.77                 | -4.5                            | 17.27              | 0.053      | 1.00     | Pass      |         |      |
|                   |              | RB36#0    | 20.52                 | -4.5                            | 16.02              | 0.040      | 1.00     | Pass      |         |      |
|                   |              | RB36#19   | 20.54                 | -4.5                            | 16.04              | 0.040      | 1.00     | Pass      |         |      |
|                   |              | RB36#39   | 20.48                 | -4.5                            | 15.98              | 0.040      | 1.00     | Pass      |         |      |
|                   |              | RB75#0    | 20.48                 | -4.5                            | 15.98              | 0.040      | 1.00     | Pass      |         |      |
| MCH               | QPSK         | RB1#0     | 22.37                 | -4.5                            | 17.87              | 0.061      | 1.00     | Pass      |         |      |
|                   |              | RB1#38    | 22.4                  | -4.5                            | 17.90              | 0.062      | 1.00     | Pass      |         |      |
|                   |              | RB1#74    | 22.5                  | -4.5                            | 18.00              | 0.063      | 1.00     | Pass      |         |      |
|                   |              | RB36#0    | 21.48                 | -4.5                            | 16.98              | 0.050      | 1.00     | Pass      |         |      |
|                   |              | RB36#19   | 21.44                 | -4.5                            | 16.94              | 0.049      | 1.00     | Pass      |         |      |
|                   |              | RB36#39   | 21.48                 | -4.5                            | 16.98              | 0.050      | 1.00     | Pass      |         |      |
|                   |              | RB75#0    | 21.46                 | -4.5                            | 16.96              | 0.050      | 1.00     | Pass      |         |      |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND66</b> |              |           |                       |                                 |                    |            |          |           |         |
| 20 MHz            | HCH          | 16-QAM    | RB1#0                 | 21.84                           | -4.5               | 17.34      | 0.054    | 1.00      | Pass    |
|                   |              |           | RB1#38                | 21.75                           | -4.5               | 17.25      | 0.053    | 1.00      | Pass    |
|                   |              |           | RB1#74                | 21.81                           | -4.5               | 17.31      | 0.054    | 1.00      | Pass    |
|                   |              |           | RB36#0                | 20.51                           | -4.5               | 16.01      | 0.040    | 1.00      | Pass    |
|                   |              |           | RB36#19               | 20.48                           | -4.5               | 15.98      | 0.040    | 1.00      | Pass    |
|                   |              |           | RB36#39               | 20.51                           | -4.5               | 16.01      | 0.040    | 1.00      | Pass    |
|                   |              |           | RB75#0                | 20.47                           | -4.5               | 15.97      | 0.040    | 1.00      | Pass    |
|                   |              | QPSK      | RB1#0                 | 22.46                           | -4.5               | 17.96      | 0.063    | 1.00      | Pass    |
|                   |              |           | RB1#38                | 22.61                           | -4.5               | 18.11      | 0.065    | 1.00      | Pass    |
|                   |              |           | RB1#74                | 22.58                           | -4.5               | 18.08      | 0.064    | 1.00      | Pass    |
|                   |              |           | RB36#0                | 21.6                            | -4.5               | 17.10      | 0.051    | 1.00      | Pass    |
|                   |              |           | RB36#19               | 21.65                           | -4.5               | 17.15      | 0.052    | 1.00      | Pass    |
|                   |              |           | RB36#39               | 21.61                           | -4.5               | 17.11      | 0.051    | 1.00      | Pass    |
|                   |              |           | RB75#0                | 21.63                           | -4.5               | 17.13      | 0.052    | 1.00      | Pass    |
|                   | 16-QAM       | RB1#0     | 21.82                 | -4.5                            | 17.32              | 0.054      | 1.00     | Pass      |         |
|                   |              | RB1#38    | 21.96                 | -4.5                            | 17.46              | 0.056      | 1.00     | Pass      |         |
|                   |              | RB1#74    | 21.92                 | -4.5                            | 17.42              | 0.055      | 1.00     | Pass      |         |
|                   |              | RB36#0    | 20.64                 | -4.5                            | 16.14              | 0.041      | 1.00     | Pass      |         |
|                   |              | RB36#19   | 20.7                  | -4.5                            | 16.20              | 0.042      | 1.00     | Pass      |         |
|                   |              | RB36#39   | 20.65                 | -4.5                            | 16.15              | 0.041      | 1.00     | Pass      |         |
|                   |              | RB75#0    | 20.65                 | -4.5                            | 16.15              | 0.041      | 1.00     | Pass      |         |
|                   | LCH          | QPSK      | RB1#0                 | 22.42                           | -4.5               | 17.92      | 0.062    | 1.00      | Pass    |
|                   |              |           | RB1#50                | 22.47                           | -4.5               | 17.97      | 0.063    | 1.00      | Pass    |
|                   |              |           | RB1#99                | 22.48                           | -4.5               | 17.98      | 0.063    | 1.00      | Pass    |
|                   |              |           | RB50#0                | 21.46                           | -4.5               | 16.96      | 0.050    | 1.00      | Pass    |
|                   |              |           | RB50#25               | 21.51                           | -4.5               | 17.01      | 0.050    | 1.00      | Pass    |
|                   |              |           | RB50#50               | 21.46                           | -4.5               | 16.96      | 0.050    | 1.00      | Pass    |
|                   |              |           | RB100#0               | 21.44                           | -4.5               | 16.94      | 0.049    | 1.00      | Pass    |
| 16-QAM            |              | RB1#0     | 21.89                 | -4.5                            | 17.39              | 0.055      | 1.00     | Pass      |         |
|                   |              | RB1#50    | 21.81                 | -4.5                            | 17.31              | 0.054      | 1.00     | Pass      |         |
|                   |              | RB1#99    | 21.74                 | -4.5                            | 17.24              | 0.053      | 1.00     | Pass      |         |
|                   |              | RB50#0    | 20.49                 | -4.5                            | 15.99              | 0.040      | 1.00     | Pass      |         |
|                   |              | RB50#25   | 20.52                 | -4.5                            | 16.02              | 0.040      | 1.00     | Pass      |         |
|                   |              | RB50#50   | 20.44                 | -4.5                            | 15.94              | 0.039      | 1.00     | Pass      |         |
|                   |              | RB100#0   | 20.42                 | -4.5                            | 15.92              | 0.039      | 1.00     | Pass      |         |
| MCH               | QPSK         | RB1#0     | 22.4                  | -4.5                            | 17.90              | 0.062      | 1.00     | Pass      |         |
|                   |              | RB1#50    | 22.46                 | -4.5                            | 17.96              | 0.063      | 1.00     | Pass      |         |
|                   |              | RB1#99    | 22.56                 | -4.5                            | 18.06              | 0.064      | 1.00     | Pass      |         |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |      |      |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|------|------|
| <b>LTE BAND66</b> |              |           |                       |                                 |                    |            |          |           |         |      |      |
|                   |              |           | RB50#0                | 21.49                           | -4.5               | 16.99      | 0.050    | 1.00      | Pass    |      |      |
|                   |              |           | RB50#25               | 21.5                            | -4.5               | 17.00      | 0.050    | 1.00      | Pass    |      |      |
|                   |              |           | RB50#50               | 21.51                           | -4.5               | 17.01      | 0.050    | 1.00      | Pass    |      |      |
|                   |              |           | RB100#0               | 21.47                           | -4.5               | 16.97      | 0.050    | 1.00      | Pass    |      |      |
|                   |              | 16-QAM    | RB1#0                 | 21.77                           | -4.5               | 17.27      | 0.053    | 1.00      | Pass    |      |      |
|                   |              |           | RB1#50                | 21.86                           | -4.5               | 17.36      | 0.054    | 1.00      | Pass    |      |      |
|                   |              |           | RB1#99                | 21.8                            | -4.5               | 17.30      | 0.054    | 1.00      | Pass    |      |      |
|                   |              |           | RB50#0                | 20.48                           | -4.5               | 15.98      | 0.040    | 1.00      | Pass    |      |      |
|                   |              |           | RB50#25               | 20.49                           | -4.5               | 15.99      | 0.040    | 1.00      | Pass    |      |      |
|                   |              |           | RB50#50               | 20.5                            | -4.5               | 16.00      | 0.040    | 1.00      | Pass    |      |      |
|                   |              |           | RB100#0               | 20.44                           | -4.5               | 15.94      | 0.039    | 1.00      | Pass    |      |      |
|                   |              |           | HCH                   | QPSK                            | RB1#0              | 22.44      | -4.5     | 17.94     | 0.062   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB1#50             | 22.53      | -4.5     | 18.03     | 0.064   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB1#99             | 22.55      | -4.5     | 18.05     | 0.064   | 1.00 | Pass |
|                   | RB50#0       | 21.58     |                       |                                 | -4.5               | 17.08      | 0.051    | 1.00      | Pass    |      |      |
|                   | RB50#25      | 21.63     |                       |                                 | -4.5               | 17.13      | 0.052    | 1.00      | Pass    |      |      |
|                   | RB50#50      | 21.6      |                       |                                 | -4.5               | 17.10      | 0.051    | 1.00      | Pass    |      |      |
|                   | RB100#0      | 21.63     |                       |                                 | -4.5               | 17.13      | 0.052    | 1.00      | Pass    |      |      |
|                   | 16-QAM       | RB1#0     | 21.79                 | -4.5                            | 17.29              | 0.054      | 1.00     | Pass      |         |      |      |
|                   |              | RB1#50    | 21.8                  | -4.5                            | 17.30              | 0.054      | 1.00     | Pass      |         |      |      |
|                   |              | RB1#99    | 21.91                 | -4.5                            | 17.41              | 0.055      | 1.00     | Pass      |         |      |      |
|                   |              | RB50#0    | 20.56                 | -4.5                            | 16.06              | 0.040      | 1.00     | Pass      |         |      |      |
|                   |              | RB50#25   | 20.65                 | -4.5                            | 16.15              | 0.041      | 1.00     | Pass      |         |      |      |
|                   |              | RB50#50   | 20.6                  | -4.5                            | 16.10              | 0.041      | 1.00     | Pass      |         |      |      |
|                   |              | RB100#0   | 20.63                 | -4.5                            | 16.13              | 0.041      | 1.00     | Pass      |         |      |      |

| Modulation         | PCC RB |        | SCC RB |        | Conducted Output AV Power (dBm) |       |       | Antenna Gain (dBi) | EIRP (W) |       |       | Limit (W) |
|--------------------|--------|--------|--------|--------|---------------------------------|-------|-------|--------------------|----------|-------|-------|-----------|
|                    | Size   | Offset | Size   | Offset | LCH                             | MCH   | HCH   |                    | LCH      | MCH   | HCH   |           |
| <b>CA_7C</b>       |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| <b>10MHz+20MHz</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 49     | 1      | 0      | 23.06                           | 23.23 | 23.25 | -0.8               | 0.168    | 0.175 | 0.176 | 2.000     |
|                    | 50     | 0      | 100    | 0      | 21.33                           | 21.35 | 21.41 | -0.8               | 0.113    | 0.114 | 0.115 | 2.000     |
| 16-QAM             | 1      | 49     | 1      | 0      | 22.11                           | 22.27 | 22.32 | -0.8               | 0.135    | 0.140 | 0.142 | 2.000     |
|                    | 50     | 0      | 100    | 0      | 20.33                           | 20.4  | 20.42 | -0.8               | 0.090    | 0.091 | 0.092 | 2.000     |
| <b>20MHz+10MHz</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 0      | 0      | 0      | 22.41                           | 22.48 | 22.62 | -0.8               | 0.145    | 0.147 | 0.152 | 2.000     |
|                    | 50     | 0      | 0      | 0      | 21.46                           | 21.56 | 21.62 | -0.8               | 0.116    | 0.119 | 0.121 | 2.000     |
|                    | 100    | 0      | 0      | 0      | 20.46                           | 20.52 | 20.6  | -0.8               | 0.092    | 0.094 | 0.095 | 2.000     |
|                    | 1      | 99     | 1      | 0      | 23.25                           | 23.26 | 23.26 | -0.8               | 0.176    | 0.176 | 0.176 | 2.000     |
|                    | 100    | 0      | 50     | 0      | 21.39                           | 21.38 | 21.18 | -0.8               | 0.115    | 0.114 | 0.109 | 2.000     |
| 16-QAM             | 1      | 0      | 0      | 0      | 21.57                           | 21.61 | 21.61 | -0.8               | 0.119    | 0.121 | 0.121 | 2.000     |
|                    | 50     | 0      | 0      | 0      | 20.49                           | 20.54 | 20.61 | -0.8               | 0.093    | 0.094 | 0.096 | 2.000     |
|                    | 100    | 0      | 0      | 0      | 19.45                           | 19.51 | 19.64 | -0.8               | 0.073    | 0.074 | 0.077 | 2.000     |
|                    | 1      | 99     | 1      | 0      | 22.23                           | 22.28 | 22.32 | -0.8               | 0.139    | 0.141 | 0.142 | 2.000     |
|                    | 100    | 0      | 50     | 0      | 20.36                           | 20.26 | 20.44 | -0.8               | 0.090    | 0.088 | 0.092 | 2.000     |
| <b>15MHz+15MHz</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 74     | 1      | 0      | 23.25                           | 23.19 | 23.31 | -0.8               | 0.176    | 0.173 | 0.178 | 2.000     |
|                    | 75     | 0      | 75     | 0      | 21.31                           | 21.39 | 21.43 | -0.8               | 0.112    | 0.115 | 0.116 | 2.000     |
| 16-QAM             | 1      | 74     | 1      | 0      | 22.15                           | 22.32 | 22.34 | -0.8               | 0.136    | 0.142 | 0.143 | 2.000     |
|                    | 75     | 0      | 75     | 0      | 20.33                           | 20.39 | 20.41 | -0.8               | 0.090    | 0.091 | 0.091 | 2.000     |
| <b>15MHz+20MHz</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 74     | 1      | 0      | 23.14                           | 23.27 | 23.3  | -0.8               | 0.171    | 0.177 | 0.178 | 2.000     |
|                    | 75     | 0      | 100    | 0      | 21.34                           | 21.41 | 21.44 | -0.8               | 0.113    | 0.115 | 0.116 | 2.000     |
| 16-QAM             | 1      | 74     | 1      | 0      | 22.16                           | 22.24 | 22.29 | -0.8               | 0.137    | 0.139 | 0.141 | 2.000     |
|                    | 75     | 0      | 100    | 0      | 20.36                           | 20.4  | 20.45 | -0.8               | 0.090    | 0.091 | 0.092 | 2.000     |
| <b>20MHz+15MHz</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 99     | 1      | 0      | 23.26                           | 23.4  | 23.36 | -0.8               | 0.176    | 0.182 | 0.180 | 2.000     |
|                    | 100    | 0      | 75     | 0      | 21.39                           | 21.45 | 21.51 | -0.8               | 0.115    | 0.116 | 0.118 | 2.000     |
| 16-QAM             | 1      | 99     | 1      | 0      | 22.28                           | 22.31 | 22.15 | -0.8               | 0.141    | 0.142 | 0.136 | 2.000     |
|                    | 100    | 0      | 75     | 0      | 20.39                           | 20.46 | 20.5  | -0.8               | 0.091    | 0.092 | 0.093 | 2.000     |
| <b>20MHz+20MHz</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 0      | 0      | 0      | 22.37                           | 22.54 | 22.47 | -0.8               | 0.144    | 0.149 | 0.147 | 2.000     |
|                    | 50     | 0      | 0      | 0      | 21.48                           | 21.62 | 21.68 | -0.8               | 0.117    | 0.121 | 0.122 | 2.000     |
|                    | 100    | 0      | 0      | 0      | 21.5                            | 21.57 | 21.64 | -0.8               | 0.117    | 0.119 | 0.121 | 2.000     |
|                    | 1      | 99     | 1      | 0      | 23.31                           | 23.49 | 23.31 | -0.8               | 0.178    | 0.186 | 0.178 | 2.000     |
|                    | 100    | 0      | 100    | 0      | 21.39                           | 21.46 | 21.41 | -0.8               | 0.115    | 0.116 | 0.115 | 2.000     |

| Modulation   | PCC RB |        | SCC RB |        | Conducted Output AV Power (dBm) |       |       | Antenna Gain (dBi) | EIRP (W) |       |       | Limit (W) |
|--------------|--------|--------|--------|--------|---------------------------------|-------|-------|--------------------|----------|-------|-------|-----------|
|              | Size   | Offset | Size   | Offset | LCH                             | MCH   | HCH   |                    | LCH      | MCH   | HCH   |           |
| <b>CA_7C</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| 16-QAM       | 1      | 0      | 0      | 0      | 21.26                           | 21.33 | 21.17 | -0.8               | 0.111    | 0.113 | 0.109 | 2.000     |
|              | 50     | 0      | 0      | 0      | 20.55                           | 20.62 | 20.43 | -0.8               | 0.094    | 0.096 | 0.092 | 2.000     |
|              | 100    | 0      | 0      | 0      | 20.49                           | 20.61 | 20.38 | -0.8               | 0.093    | 0.096 | 0.091 | 2.000     |
|              | 1      | 99     | 1      | 0      | 22.26                           | 22.33 | 22.2  | -0.8               | 0.140    | 0.142 | 0.138 | 2.000     |
|              | 100    | 0      | 100    | 0      | 20.42                           | 20.48 | 20.5  | -0.8               | 0.092    | 0.093 | 0.093 | 2.000     |

| Modulation         | PCC RB |        | SCC RB |        | Conducted Output AV Power (dBm) |       |       | Antenna Gain (dBi) | EIRP (W) |       |       | Limit (W) |
|--------------------|--------|--------|--------|--------|---------------------------------|-------|-------|--------------------|----------|-------|-------|-----------|
|                    | Size   | Offset | Size   | Offset | LCH                             | MCH   | HCH   |                    | LCH      | MCH   | HCH   |           |
| <b>CA_38C</b>      |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| <b>15MHz+15MHz</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 0      | 0      | 0      | 23.39                           | 23.37 | 23.44 | -1.1               | 0.169    | 0.169 | 0.171 | 2.000     |
|                    | 36     | 0      | 0      | 0      | 22.36                           | 22.34 | 22.4  | -1.1               | 0.134    | 0.133 | 0.135 | 2.000     |
|                    | 75     | 0      | 0      | 0      | 22.33                           | 22.33 | 22.36 | -1.1               | 0.133    | 0.133 | 0.134 | 2.000     |
|                    | 1      | 74     | 1      | 0      | 11.68                           | 11.63 | 11.11 | -1.1               | 0.011    | 0.011 | 0.010 | 2.000     |
|                    | 75     | 0      | 75     | 0      | 22.27                           | 22.23 | 22.21 | -1.1               | 0.131    | 0.130 | 0.129 | 2.000     |
| 16-QAM             | 1      | 0      | 0      | 0      | 22.44                           | 22.58 | 22.55 | -1.1               | 0.136    | 0.141 | 0.140 | 2.000     |
|                    | 36     | 0      | 0      | 0      | 21.38                           | 21.36 | 21.40 | -1.1               | 0.107    | 0.106 | 0.107 | 2.000     |
|                    | 75     | 0      | 0      | 0      | 21.36                           | 21.3  | 21.38 | -1.1               | 0.106    | 0.105 | 0.107 | 2.000     |
|                    | 1      | 74     | 1      | 0      | 11.83                           | 11.69 | 11.05 | -1.1               | 0.012    | 0.011 | 0.010 | 2.000     |
|                    | 75     | 0      | 75     | 0      | 21.27                           | 21.29 | 21.22 | -1.1               | 0.104    | 0.104 | 0.103 | 2.000     |
| <b>20MHz+20MHz</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 0      | 0      | 0      | 23.32                           | 23.29 | 23.26 | -1.1               | 0.167    | 0.166 | 0.164 | 2.000     |
|                    | 50     | 0      | 0      | 0      | 22.45                           | 22.44 | 22.39 | -1.1               | 0.136    | 0.136 | 0.135 | 2.000     |
|                    | 100    | 0      | 0      | 0      | 22.37                           | 22.39 | 22.34 | -1.1               | 0.134    | 0.135 | 0.133 | 2.000     |
|                    | 1      | 99     | 1      | 0      | 11.72                           | 11.74 | 11.7  | -1.1               | 0.012    | 0.012 | 0.011 | 2.000     |
|                    | 100    | 0      | 100    | 0      | 22.33                           | 22.29 | 22.3  | -1.1               | 0.133    | 0.132 | 0.132 | 2.000     |
| 16-QAM             | 1      | 0      | 0      | 0      | 22.42                           | 22.27 | 22.38 | -1.1               | 0.136    | 0.131 | 0.134 | 2.000     |
|                    | 50     | 0      | 0      | 0      | 21.38                           | 21.37 | 21.41 | -1.1               | 0.107    | 0.106 | 0.107 | 2.000     |
|                    | 100    | 0      | 0      | 0      | 21.37                           | 21.35 | 21.36 | -1.1               | 0.106    | 0.106 | 0.106 | 2.000     |
|                    | 1      | 99     | 1      | 0      | 11.83                           | 11.86 | 11.77 | -1.1               | 0.012    | 0.012 | 0.012 | 2.000     |
|                    | 100    | 0      | 100    | 0      | 21.25                           | 21.33 | 21.29 | -1.1               | 0.104    | 0.105 | 0.104 | 2.000     |

| Modulation         | PCC RB |        | SCC RB |        | Conducted Output AV Power (dBm) |       |       | Antenna Gain (dBi) | EIRP (W) |       |       | Limit (W) |
|--------------------|--------|--------|--------|--------|---------------------------------|-------|-------|--------------------|----------|-------|-------|-----------|
|                    | Size   | Offset | Size   | Offset | LCH                             | MCH   | HCH   |                    | LCH      | MCH   | HCH   |           |
| <b>CA_41C</b>      |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| <b>5MHz+20MHz</b>  |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 24     | 1      | 0      | 23.28                           | 23.7  | 23.33 | -1                 | 0.169    | 0.186 | 0.171 | 2.000     |
|                    | 25     | 0      | 100    | 0      | 21.6                            | 21.78 | 21.94 | -1                 | 0.115    | 0.120 | 0.124 | 2.000     |
| 16-QAM             | 1      | 24     | 1      | 0      | 22.08                           | 22.56 | 22.73 | -1                 | 0.128    | 0.143 | 0.149 | 2.000     |
|                    | 25     | 0      | 100    | 0      | 20.59                           | 20.74 | 20.68 | -1                 | 0.091    | 0.094 | 0.093 | 2.000     |
| <b>20MHz+5MHz</b>  |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 0      | 0      | 0      | 22.61                           | 22.79 | 22.91 | -1                 | 0.145    | 0.151 | 0.155 | 2.000     |
|                    | 50     | 0      | 0      | 0      | 20.49                           | 20.55 | 20.79 | -1                 | 0.089    | 0.090 | 0.095 | 2.000     |
|                    | 100    | 0      | 0      | 0      | 20.45                           | 20.6  | 20.72 | -1                 | 0.088    | 0.091 | 0.094 | 2.000     |
|                    | 1      | 99     | 1      | 0      | 10.8                            | 10.92 | 11.12 | -1                 | 0.010    | 0.010 | 0.010 | 2.000     |
|                    | 100    | 0      | 25     | 0      | 21.37                           | 21.52 | 21.71 | -1                 | 0.109    | 0.113 | 0.118 | 2.000     |
| 16-QAM             | 1      | 0      | 0      | 0      | 21.29                           | 21.4  | 21.65 | -1                 | 0.107    | 0.110 | 0.116 | 2.000     |
|                    | 50     | 0      | 0      | 0      | 19.47                           | 19.52 | 19.73 | -1                 | 0.070    | 0.071 | 0.075 | 2.000     |
|                    | 100    | 0      | 0      | 0      | 19.46                           | 19.74 | 19.69 | -1                 | 0.070    | 0.075 | 0.074 | 2.000     |
|                    | 1      | 99     | 1      | 0      | 10.83                           | 11.01 | 11.04 | -1                 | 0.010    | 0.010 | 0.010 | 2.000     |
|                    | 100    | 0      | 25     | 0      | 20.34                           | 20.54 | 20.72 | -1                 | 0.086    | 0.090 | 0.094 | 2.000     |
| <b>10MHz+20MHz</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 49     | 1      | 0      | 23.31                           | 23.5  | 23.45 | -1                 | 0.170    | 0.178 | 0.176 | 2.000     |
|                    | 50     | 0      | 100    | 0      | 21.37                           | 21.53 | 21.44 | -1                 | 0.109    | 0.113 | 0.111 | 2.000     |
| 16-QAM             | 1      | 49     | 1      | 0      | 22.28                           | 22.41 | 22.44 | -1                 | 0.134    | 0.138 | 0.139 | 2.000     |
|                    | 50     | 0      | 100    | 0      | 20.68                           | 21.01 | 21.21 | -1                 | 0.093    | 0.100 | 0.105 | 2.000     |
| <b>20MHz+10MHz</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 99     | 1      | 0      | 23.54                           | 23.66 | 23.54 | -1                 | 0.179    | 0.185 | 0.179 | 2.000     |
|                    | 100    | 0      | 50     | 0      | 21.26                           | 21.41 | 21.43 | -1                 | 0.106    | 0.110 | 0.110 | 2.000     |
| 16-QAM             | 1      | 99     | 1      | 0      | 22.5                            | 22.48 | 22.65 | -1                 | 0.141    | 0.141 | 0.146 | 2.000     |
|                    | 100    | 0      | 50     | 0      | 20.61                           | 20.59 | 20.92 | -1                 | 0.091    | 0.091 | 0.098 | 2.000     |
| <b>15MHz+15MHz</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 74     | 1      | 0      | 23.44                           | 23.58 | 23.4  | -1                 | 0.175    | 0.181 | 0.174 | 2.000     |
|                    | 75     | 0      | 75     | 0      | 21.38                           | 21.54 | 21.86 | -1                 | 0.109    | 0.113 | 0.122 | 2.000     |
| 16-QAM             | 1      | 74     | 1      | 0      | 22.41                           | 22.64 | 22.86 | -1                 | 0.138    | 0.146 | 0.153 | 2.000     |
|                    | 75     | 0      | 75     | 0      | 20.36                           | 20.48 | 20.81 | -1                 | 0.086    | 0.089 | 0.096 | 2.000     |
| <b>15MHz+20MHz</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 74     | 1      | 0      | 23.27                           | 23.46 | 23.6  | -1                 | 0.169    | 0.176 | 0.182 | 2.000     |
|                    | 75     | 0      | 100    | 0      | 21.26                           | 21.49 | 21.63 | -1                 | 0.106    | 0.112 | 0.116 | 2.000     |
| 16-QAM             | 1      | 74     | 1      | 0      | 22.4                            | 22.48 | 22.76 | -1                 | 0.138    | 0.141 | 0.150 | 2.000     |
|                    | 75     | 0      | 100    | 0      | 20.43                           | 20.49 | 20.73 | -1                 | 0.088    | 0.089 | 0.094 | 2.000     |
| <b>20MHz+15MHz</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |



| Modulation         | PCC RB |        | SCC RB |        | Conducted Output AV Power (dBm) |       |       | Antenna Gain (dBi) | EIRP (W) |       |       | Limit (W) |
|--------------------|--------|--------|--------|--------|---------------------------------|-------|-------|--------------------|----------|-------|-------|-----------|
|                    | Size   | Offset | Size   | Offset | LCH                             | MCH   | HCH   |                    | LCH      | MCH   | HCH   |           |
| <b>CA_41C</b>      |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 99     | 1      | 0      | 23.18                           | 23.51 | 23.42 | -1                 | 0.165    | 0.178 | 0.175 | 2.000     |
|                    | 100    | 0      | 75     | 0      | 21.39                           | 21.57 | 21.76 | -1                 | 0.109    | 0.114 | 0.119 | 2.000     |
| 16-QAM             | 1      | 99     | 1      | 0      | 22.33                           | 22.58 | 22.96 | -1                 | 0.136    | 0.144 | 0.157 | 2.000     |
|                    | 100    | 0      | 75     | 0      | 20.68                           | 20.66 | 20.7  | -1                 | 0.093    | 0.092 | 0.093 | 2.000     |
| <b>20MHz+20MHz</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 0      | 0      | 0      | 22.47                           | 22.58 | 22.56 | -1                 | 0.140    | 0.144 | 0.143 | 2.000     |
|                    | 50     | 0      | 0      | 0      | 21.59                           | 21.68 | 21.66 | -1                 | 0.115    | 0.117 | 0.116 | 2.000     |
|                    | 100    | 0      | 0      | 0      | 21.53                           | 21.68 | 21.66 | -1                 | 0.113    | 0.117 | 0.116 | 2.000     |
|                    | 1      | 99     | 1      | 0      | 10.88                           | 10.91 | 10.99 | -1                 | 0.010    | 0.010 | 0.010 | 2.000     |
|                    | 100    | 0      | 100    | 0      | 21.39                           | 21.50 | 21.4  | -1                 | 0.109    | 0.112 | 0.110 | 2.000     |
| 16-QAM             | 1      | 0      | 0      | 0      | 21.60                           | 21.65 | 21.71 | -1                 | 0.115    | 0.116 | 0.118 | 2.000     |
|                    | 50     | 0      | 0      | 0      | 20.98                           | 20.74 | 20.65 | -1                 | 0.100    | 0.094 | 0.092 | 2.000     |
|                    | 100    | 0      | 0      | 0      | 20.5                            | 20.67 | 20.62 | -1                 | 0.089    | 0.093 | 0.092 | 2.000     |
|                    | 1      | 99     | 1      | 0      | 10.86                           | 10.94 | 11.09 | -1                 | 0.010    | 0.010 | 0.010 | 2.000     |
|                    | 100    | 0      | 100    | 0      | 20.43                           | 20.5  | 20.43 | -1                 | 0.088    | 0.089 | 0.088 | 2.000     |

NR Mode Test Data

| Test BW    | Test Channel | Test Mode | UL RB Number | UL RB Position | Conducted Output AV Power(dBm) | ERP (W) | Limit (W) | Verdict |      |
|------------|--------------|-----------|--------------|----------------|--------------------------------|---------|-----------|---------|------|
| NR Band n5 |              |           |              |                |                                |         |           |         |      |
| 5          | LCH          | PI/2 BPSK | 12           | 6              | 23                             | 0.024   | 7.000     | Pass    |      |
|            |              |           | 1            | 1              | 23.03                          | 0.024   | 7.000     | Pass    |      |
|            |              |           | 1            | 23             | 23.04                          | 0.024   | 7.000     | Pass    |      |
|            |              | QPSK      | 12           | 6              | 22.92                          | 0.024   | 7.000     | Pass    |      |
|            |              |           | 1            | 1              | 23.05                          | 0.025   | 7.000     | Pass    |      |
|            |              |           | 1            | 23             | 22.96                          | 0.024   | 7.000     | Pass    |      |
|            |              | 16QAM     | 12           | 6              | 22.04                          | 0.019   | 7.000     | Pass    |      |
|            |              |           | 1            | 1              | 21.98                          | 0.019   | 7.000     | Pass    |      |
|            |              |           | 1            | 23             | 21.93                          | 0.019   | 7.000     | Pass    |      |
|            |              | 64QAM     | 12           | 6              | 20.49                          | 0.014   | 7.000     | Pass    |      |
|            |              |           | 1            | 1              | 20.73                          | 0.014   | 7.000     | Pass    |      |
|            |              |           | 1            | 23             | 20.76                          | 0.014   | 7.000     | Pass    |      |
|            |              | 256QAM    | 12           | 6              | 18.41                          | 0.008   | 7.000     | Pass    |      |
|            |              |           | 1            | 1              | 17.91                          | 0.008   | 7.000     | Pass    |      |
|            |              |           | 1            | 23             | 17.93                          | 0.008   | 7.000     | Pass    |      |
|            |              | MCH       | PI/2 BPSK    | 12             | 6                              | 23      | 0.024     | 7.000   | Pass |
|            |              |           |              | 1              | 1                              | 23.06   | 0.025     | 7.000   | Pass |
|            |              |           |              | 1              | 23                             | 23.02   | 0.024     | 7.000   | Pass |
|            | QPSK         |           | 12           | 6              | 23.03                          | 0.024   | 7.000     | Pass    |      |
|            |              |           | 1            | 1              | 23.01                          | 0.024   | 7.000     | Pass    |      |
|            |              |           | 1            | 23             | 23.04                          | 0.024   | 7.000     | Pass    |      |
|            | 16QAM        |           | 12           | 6              | 22.17                          | 0.020   | 7.000     | Pass    |      |
|            |              |           | 1            | 1              | 21.99                          | 0.019   | 7.000     | Pass    |      |
|            |              |           | 1            | 23             | 22                             | 0.019   | 7.000     | Pass    |      |
|            | 64QAM        |           | 12           | 6              | 20.62                          | 0.014   | 7.000     | Pass    |      |
|            |              |           | 1            | 1              | 20.76                          | 0.014   | 7.000     | Pass    |      |
|            |              |           | 1            | 23             | 20.8                           | 0.015   | 7.000     | Pass    |      |
|            | 256QAM       |           | 12           | 6              | 18.53                          | 0.009   | 7.000     | Pass    |      |
|            |              |           | 1            | 1              | 17.97                          | 0.008   | 7.000     | Pass    |      |
|            |              |           | 1            | 23             | 17.96                          | 0.008   | 7.000     | Pass    |      |
|            | HCH          |           | PI/2 BPSK    | 12             | 6                              | 22.94   | 0.024     | 7.000   | Pass |
|            |              |           |              | 1              | 1                              | 22.96   | 0.024     | 7.000   | Pass |
|            |              |           |              | 1              | 23                             | 22.93   | 0.024     | 7.000   | Pass |
|            |              | QPSK      | 12           | 6              | 22.88                          | 0.024   | 7.000     | Pass    |      |
|            |              |           | 1            | 1              | 22.94                          | 0.024   | 7.000     | Pass    |      |
|            |              |           | 1            | 23             | 22.93                          | 0.024   | 7.000     | Pass    |      |
|            |              | 16QAM     | 12           | 6              | 22.03                          | 0.019   | 7.000     | Pass    |      |
|            |              |           | 1            | 1              | 21.99                          | 0.019   | 7.000     | Pass    |      |

|        |           |        |     |           |       |       |       |       |       |      |
|--------|-----------|--------|-----|-----------|-------|-------|-------|-------|-------|------|
|        |           | 64QAM  | 1   | 23        | 21.91 | 0.019 | 7.000 | Pass  |       |      |
|        |           |        | 12  | 6         | 20.52 | 0.014 | 7.000 | Pass  |       |      |
|        |           |        | 1   | 1         | 20.69 | 0.014 | 7.000 | Pass  |       |      |
|        |           |        | 1   | 23        | 20.69 | 0.014 | 7.000 | Pass  |       |      |
|        |           | 256QAM | 12  | 6         | 18.43 | 0.008 | 7.000 | Pass  |       |      |
|        |           |        | 1   | 1         | 17.95 | 0.008 | 7.000 | Pass  |       |      |
|        |           |        | 1   | 23        | 17.89 | 0.007 | 7.000 | Pass  |       |      |
|        |           |        |     |           |       |       |       |       |       |      |
|        |           | 15     | LCH | PI/2 BPSK | 36    | 18    | 23.14 | 0.025 | 7.000 | Pass |
|        |           |        |     |           | 1     | 1     | 23.2  | 0.025 | 7.000 | Pass |
|        |           |        |     |           | 1     | 77    | 23.07 | 0.025 | 7.000 | Pass |
|        |           |        |     | QPSK      | 36    | 18    | 23.22 | 0.026 | 7.000 | Pass |
| 1      | 1         |        |     |           | 23.19 | 0.025 | 7.000 | Pass  |       |      |
| 1      | 77        |        |     |           | 22.92 | 0.024 | 7.000 | Pass  |       |      |
| 16QAM  | 36        |        |     | 18        | 22.16 | 0.020 | 7.000 | Pass  |       |      |
|        | 1         |        |     | 1         | 22.15 | 0.020 | 7.000 | Pass  |       |      |
|        | 1         |        |     | 77        | 21.95 | 0.019 | 7.000 | Pass  |       |      |
| 64QAM  | 36        |        |     | 18        | 20.77 | 0.015 | 7.000 | Pass  |       |      |
|        | 1         |        |     | 1         | 20.9  | 0.015 | 7.000 | Pass  |       |      |
|        | 1         |        |     | 77        | 20.63 | 0.014 | 7.000 | Pass  |       |      |
| 256QAM | 36        |        |     | 18        | 18.59 | 0.009 | 7.000 | Pass  |       |      |
|        | 1         |        |     | 1         | 18.19 | 0.008 | 7.000 | Pass  |       |      |
|        | 1         |        |     | 77        | 17.87 | 0.007 | 7.000 | Pass  |       |      |
| MCH    | PI/2 BPSK |        |     | 36        | 18    | 23.18 | 0.025 | 7.000 | Pass  |      |
|        |           |        |     | 1         | 1     | 23.24 | 0.026 | 7.000 | Pass  |      |
|        |           |        |     | 1         | 77    | 22.99 | 0.024 | 7.000 | Pass  |      |
|        | QPSK      |        |     | 36        | 18    | 23.07 | 0.025 | 7.000 | Pass  |      |
|        |           |        |     | 1         | 1     | 23.21 | 0.025 | 7.000 | Pass  |      |
|        |           |        |     | 1         | 77    | 22.99 | 0.024 | 7.000 | Pass  |      |
|        | 16QAM     |        |     | 36        | 18    | 22.14 | 0.020 | 7.000 | Pass  |      |
|        |           |        |     | 1         | 1     | 22.22 | 0.020 | 7.000 | Pass  |      |
|        |           |        |     | 1         | 77    | 21.96 | 0.019 | 7.000 | Pass  |      |
|        | 64QAM     |        |     | 36        | 18    | 20.6  | 0.014 | 7.000 | Pass  |      |
|        |           |        |     | 1         | 1     | 20.87 | 0.015 | 7.000 | Pass  |      |
|        |           |        |     | 1         | 77    | 20.68 | 0.014 | 7.000 | Pass  |      |
|        | 256QAM    |        |     | 36        | 18    | 18.51 | 0.009 | 7.000 | Pass  |      |
|        |           |        |     | 1         | 1     | 18.16 | 0.008 | 7.000 | Pass  |      |
|        |           |        |     | 1         | 77    | 17.93 | 0.008 | 7.000 | Pass  |      |
|        | HCH       |        |     | PI/2 BPSK | 36    | 18    | 23.06 | 0.025 | 7.000 | Pass |
|        |           |        |     |           | 1     | 1     | 22.99 | 0.024 | 7.000 | Pass |
|        |           |        |     |           | 1     | 77    | 22.95 | 0.024 | 7.000 | Pass |
|        |           |        |     | QPSK      | 36    | 18    | 23.06 | 0.025 | 7.000 | Pass |
|        |           |        |     |           | 1     | 1     | 23.02 | 0.024 | 7.000 | Pass |
|        |           |        |     |           | 1     | 77    | 22.96 | 0.024 | 7.000 | Pass |

|        |              |              |              |       |       |       |       |       |      |
|--------|--------------|--------------|--------------|-------|-------|-------|-------|-------|------|
|        |              | 16QAM        | 36           | 18    | 22    | 0.019 | 7.000 | Pass  |      |
|        |              |              | 1            | 1     | 22.03 | 0.019 | 7.000 | Pass  |      |
|        |              |              | 1            | 77    | 21.94 | 0.019 | 7.000 | Pass  |      |
|        |              | 64QAM        | 36           | 18    | 20.5  | 0.014 | 7.000 | Pass  |      |
|        |              |              | 1            | 1     | 20.75 | 0.014 | 7.000 | Pass  |      |
|        |              |              | 1            | 77    | 20.6  | 0.014 | 7.000 | Pass  |      |
|        |              | 256QAM       | 36           | 18    | 18.36 | 0.008 | 7.000 | Pass  |      |
|        |              |              | 1            | 1     | 18.01 | 0.008 | 7.000 | Pass  |      |
|        |              |              | 1            | 77    | 17.89 | 0.007 | 7.000 | Pass  |      |
| 20     | LCH          | PI/2<br>BPSK | 50           | 25    | 23.11 | 0.025 | 7.000 | Pass  |      |
|        |              |              | 1            | 1     | 23.22 | 0.026 | 7.000 | Pass  |      |
|        |              |              | 1            | 104   | 22.86 | 0.023 | 7.000 | Pass  |      |
|        |              | QPSK         | 50           | 25    | 23.1  | 0.025 | 7.000 | Pass  |      |
|        |              |              | 1            | 1     | 23.18 | 0.025 | 7.000 | Pass  |      |
|        |              |              | 1            | 104   | 22.91 | 0.024 | 7.000 | Pass  |      |
|        |              | 16QAM        | 50           | 25    | 22.1  | 0.020 | 7.000 | Pass  |      |
|        |              |              | 1            | 1     | 22.14 | 0.020 | 7.000 | Pass  |      |
|        |              |              | 1            | 104   | 21.96 | 0.019 | 7.000 | Pass  |      |
|        |              | 64QAM        | 50           | 25    | 20.66 | 0.014 | 7.000 | Pass  |      |
|        |              |              | 1            | 1     | 20.87 | 0.015 | 7.000 | Pass  |      |
|        |              |              | 1            | 104   | 20.56 | 0.014 | 7.000 | Pass  |      |
|        |              | 256QAM       | 50           | 25    | 18.55 | 0.009 | 7.000 | Pass  |      |
|        |              |              | 1            | 1     | 18.21 | 0.008 | 7.000 | Pass  |      |
|        |              |              | 1            | 104   | 17.88 | 0.007 | 7.000 | Pass  |      |
|        |              | MCH          | PI/2<br>BPSK | 50    | 25    | 23.14 | 0.025 | 7.000 | Pass |
|        |              |              |              | 1     | 1     | 23.14 | 0.025 | 7.000 | Pass |
|        |              |              |              | 1     | 104   | 22.96 | 0.024 | 7.000 | Pass |
|        | QPSK         |              | 50           | 25    | 23.05 | 0.025 | 7.000 | Pass  |      |
|        |              |              | 1            | 1     | 23.09 | 0.025 | 7.000 | Pass  |      |
|        |              |              | 1            | 104   | 22.98 | 0.024 | 7.000 | Pass  |      |
|        | 16QAM        |              | 50           | 25    | 22.12 | 0.020 | 7.000 | Pass  |      |
|        |              |              | 1            | 1     | 22.06 | 0.020 | 7.000 | Pass  |      |
|        |              |              | 1            | 104   | 21.91 | 0.019 | 7.000 | Pass  |      |
|        | 64QAM        |              | 50           | 25    | 20.65 | 0.014 | 7.000 | Pass  |      |
|        |              |              | 1            | 1     | 20.87 | 0.015 | 7.000 | Pass  |      |
|        |              |              | 1            | 104   | 20.71 | 0.014 | 7.000 | Pass  |      |
| 256QAM | 50           |              | 25           | 18.48 | 0.009 | 7.000 | Pass  |       |      |
|        | 1            |              | 1            | 18.13 | 0.008 | 7.000 | Pass  |       |      |
|        | 1            |              | 104          | 17.94 | 0.008 | 7.000 | Pass  |       |      |
| HCH    | PI/2<br>BPSK |              | 50           | 25    | 23.14 | 0.025 | 7.000 | Pass  |      |
|        |              |              | 1            | 1     | 23.12 | 0.025 | 7.000 | Pass  |      |
|        |              |              | 1            | 104   | 22.93 | 0.024 | 7.000 | Pass  |      |
|        | QPSK         | 50           | 25           | 23.02 | 0.024 | 7.000 | Pass  |       |      |

|  |  |        |    |     |       |       |       |      |
|--|--|--------|----|-----|-------|-------|-------|------|
|  |  |        | 1  | 1   | 23.19 | 0.025 | 7.000 | Pass |
|  |  |        | 1  | 104 | 22.98 | 0.024 | 7.000 | Pass |
|  |  | 16QAM  | 50 | 25  | 21.99 | 0.019 | 7.000 | Pass |
|  |  |        | 1  | 1   | 22.13 | 0.020 | 7.000 | Pass |
|  |  |        | 1  | 104 | 21.87 | 0.019 | 7.000 | Pass |
|  |  | 64QAM  | 50 | 25  | 20.54 | 0.014 | 7.000 | Pass |
|  |  |        | 1  | 1   | 20.86 | 0.015 | 7.000 | Pass |
|  |  |        | 1  | 104 | 20.65 | 0.014 | 7.000 | Pass |
|  |  | 256QAM | 50 | 25  | 18.45 | 0.009 | 7.000 | Pass |
|  |  |        | 1  | 1   | 18.14 | 0.008 | 7.000 | Pass |
|  |  |        | 1  | 104 | 17.93 | 0.008 | 7.000 | Pass |

| Test BW    | Test Channel | Test Mode | UL RB Number | UL RB Position | Conducted Output AV Power(dBm) | EIRP (W) | Limit (W) | Verdict |
|------------|--------------|-----------|--------------|----------------|--------------------------------|----------|-----------|---------|
| NR Band n7 |              |           |              |                |                                |          |           |         |
| 5          | LCH          | PI2 BPSK  | 12           | 6              | 22.78                          | 0.158    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 22.72                          | 0.156    | 2.000     | Pass    |
|            |              |           | 1            | 23             | 22.82                          | 0.159    | 2.000     | Pass    |
|            |              | QPSK      | 12           | 6              | 22.75                          | 0.157    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 22.8                           | 0.158    | 2.000     | Pass    |
|            |              |           | 1            | 23             | 22.72                          | 0.156    | 2.000     | Pass    |
|            |              | 16QAM     | 12           | 6              | 21.79                          | 0.126    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 21.56                          | 0.119    | 2.000     | Pass    |
|            |              |           | 1            | 23             | 21.64                          | 0.121    | 2.000     | Pass    |
|            |              | 64QAM     | 12           | 6              | 20.31                          | 0.089    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 20.38                          | 0.091    | 2.000     | Pass    |
|            |              |           | 1            | 23             | 20.43                          | 0.092    | 2.000     | Pass    |
|            |              | 256QAM    | 12           | 6              | 18.35                          | 0.057    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 17.76                          | 0.050    | 2.000     | Pass    |
|            |              |           | 1            | 23             | 17.85                          | 0.051    | 2.000     | Pass    |
|            | MCH          | PI2 BPSK  | 12           | 6              | 22.72                          | 0.156    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 22.63                          | 0.152    | 2.000     | Pass    |
|            |              |           | 1            | 23             | 22.69                          | 0.155    | 2.000     | Pass    |
|            |              | QPSK      | 12           | 6              | 22.66                          | 0.153    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 22.6                           | 0.151    | 2.000     | Pass    |
|            |              |           | 1            | 23             | 22.6                           | 0.151    | 2.000     | Pass    |
|            |              | 16QAM     | 12           | 6              | 21.75                          | 0.124    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 21.51                          | 0.118    | 2.000     | Pass    |
|            |              |           | 1            | 23             | 21.54                          | 0.119    | 2.000     | Pass    |
|            |              | 64QAM     | 12           | 6              | 20.2                           | 0.087    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 20.3                           | 0.089    | 2.000     | Pass    |
|            |              |           | 1            | 23             | 20.3                           | 0.089    | 2.000     | Pass    |
|            |              | 256QAM    | 12           | 6              | 18.23                          | 0.055    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 17.65                          | 0.048    | 2.000     | Pass    |
|            |              |           | 1            | 23             | 17.73                          | 0.049    | 2.000     | Pass    |
|            | HCH          | PI2 BPSK  | 12           | 6              | 22.51                          | 0.148    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 22.52                          | 0.149    | 2.000     | Pass    |
|            |              |           | 1            | 23             | 22.48                          | 0.147    | 2.000     | Pass    |
|            |              | QPSK      | 12           | 6              | 22.48                          | 0.147    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 22.53                          | 0.149    | 2.000     | Pass    |
|            |              |           | 1            | 23             | 22.49                          | 0.148    | 2.000     | Pass    |
|            |              | 16QAM     | 12           | 6              | 21.71                          | 0.123    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 21.42                          | 0.115    | 2.000     | Pass    |

|        |             |        |       |             |       |       |       |       |       |      |
|--------|-------------|--------|-------|-------------|-------|-------|-------|-------|-------|------|
|        |             | 64QAM  | 1     | 23          | 21.42 | 0.115 | 2.000 | Pass  |       |      |
|        |             |        | 12    | 6           | 20.18 | 0.087 | 2.000 | Pass  |       |      |
|        |             |        | 1     | 1           | 20.23 | 0.088 | 2.000 | Pass  |       |      |
|        |             |        | 1     | 23          | 20.33 | 0.090 | 2.000 | Pass  |       |      |
|        |             | 256QAM | 12    | 6           | 18.03 | 0.053 | 2.000 | Pass  |       |      |
|        |             |        | 1     | 1           | 17.45 | 0.046 | 2.000 | Pass  |       |      |
|        |             |        | 1     | 23          | 17.55 | 0.047 | 2.000 | Pass  |       |      |
|        |             |        | 1     | 23          | 17.55 | 0.047 | 2.000 | Pass  |       |      |
|        |             | 25     | LCH   | PI2<br>BPSK | 64    | 32    | 22.82 | 0.159 | 2.000 | Pass |
|        |             |        |       |             | 1     | 1     | 22.94 | 0.164 | 2.000 | Pass |
|        |             |        |       |             | 1     | 131   | 22.88 | 0.161 | 2.000 | Pass |
|        |             |        |       | QPSK        | 64    | 32    | 22.86 | 0.161 | 2.000 | Pass |
| 1      | 1           |        |       |             | 22.84 | 0.160 | 2.000 | Pass  |       |      |
| 1      | 131         |        |       |             | 22.87 | 0.161 | 2.000 | Pass  |       |      |
| 16QAM  | 64          |        |       | 32          | 21.85 | 0.127 | 2.000 | Pass  |       |      |
|        | 1           |        |       | 1           | 21.76 | 0.125 | 2.000 | Pass  |       |      |
|        | 1           |        |       | 131         | 21.72 | 0.124 | 2.000 | Pass  |       |      |
| 64QAM  | 64          |        |       | 32          | 20.41 | 0.091 | 2.000 | Pass  |       |      |
|        | 1           |        |       | 1           | 20.62 | 0.096 | 2.000 | Pass  |       |      |
|        | 1           |        |       | 131         | 20.5  | 0.093 | 2.000 | Pass  |       |      |
| 256QAM | 64          |        | 32    | 18.32       | 0.056 | 2.000 | Pass  |       |       |      |
|        | 1           |        | 1     | 17.92       | 0.052 | 2.000 | Pass  |       |       |      |
|        | 1           |        | 131   | 17.82       | 0.050 | 2.000 | Pass  |       |       |      |
| MCH    | PI2<br>BPSK |        | 64    | 32          | 22.79 | 0.158 | 2.000 | Pass  |       |      |
|        |             |        | 1     | 1           | 22.79 | 0.158 | 2.000 | Pass  |       |      |
|        |             |        | 1     | 131         | 22.77 | 0.157 | 2.000 | Pass  |       |      |
|        | QPSK        |        | 64    | 32          | 22.77 | 0.157 | 2.000 | Pass  |       |      |
|        |             |        | 1     | 1           | 22.75 | 0.157 | 2.000 | Pass  |       |      |
|        |             |        | 1     | 131         | 22.78 | 0.158 | 2.000 | Pass  |       |      |
|        | 16QAM       |        | 64    | 32          | 21.8  | 0.126 | 2.000 | Pass  |       |      |
|        |             |        | 1     | 1           | 21.65 | 0.122 | 2.000 | Pass  |       |      |
|        |             |        | 1     | 131         | 21.68 | 0.122 | 2.000 | Pass  |       |      |
|        | 64QAM       | 64     | 32    | 20.36       | 0.090 | 2.000 | Pass  |       |       |      |
|        |             | 1      | 1     | 20.46       | 0.092 | 2.000 | Pass  |       |       |      |
|        |             | 1      | 131   | 20.46       | 0.092 | 2.000 | Pass  |       |       |      |
| 256QAM | 64          | 32     | 18.21 | 0.055       | 2.000 | Pass  |       |       |       |      |
|        | 1           | 1      | 17.76 | 0.050       | 2.000 | Pass  |       |       |       |      |
|        | 1           | 131    | 17.8  | 0.050       | 2.000 | Pass  |       |       |       |      |
| HCH    | PI2<br>BPSK | 64     | 32    | 22.72       | 0.156 | 2.000 | Pass  |       |       |      |
|        |             | 1      | 1     | 22.69       | 0.155 | 2.000 | Pass  |       |       |      |
|        |             | 1      | 131   | 22.69       | 0.155 | 2.000 | Pass  |       |       |      |
|        | QPSK        | 64     | 32    | 22.73       | 0.156 | 2.000 | Pass  |       |       |      |
|        |             | 1      | 1     | 22.67       | 0.154 | 2.000 | Pass  |       |       |      |
|        |             | 1      | 131   | 22.64       | 0.153 | 2.000 | Pass  |       |       |      |

|        |             |        |             |             |       |       |       |       |       |      |
|--------|-------------|--------|-------------|-------------|-------|-------|-------|-------|-------|------|
|        |             | 16QAM  | 64          | 32          | 21.72 | 0.124 | 2.000 | Pass  |       |      |
|        |             |        | 1           | 1           | 21.6  | 0.120 | 2.000 | Pass  |       |      |
|        |             |        | 1           | 131         | 21.51 | 0.118 | 2.000 | Pass  |       |      |
|        |             | 64QAM  | 64          | 32          | 20.27 | 0.089 | 2.000 | Pass  |       |      |
|        |             |        | 1           | 1           | 20.38 | 0.091 | 2.000 | Pass  |       |      |
|        |             |        | 1           | 131         | 20.3  | 0.089 | 2.000 | Pass  |       |      |
|        |             | 256QAM | 64          | 32          | 18.17 | 0.055 | 2.000 | Pass  |       |      |
|        |             |        | 1           | 1           | 17.71 | 0.049 | 2.000 | Pass  |       |      |
|        |             |        | 1           | 131         | 17.62 | 0.048 | 2.000 | Pass  |       |      |
|        | 40          | LCH    | PI2<br>BPSK | 108         | 54    | 22.8  | 0.158 | 2.000 | Pass  |      |
|        |             |        |             | 1           | 1     | 22.81 | 0.159 | 2.000 | Pass  |      |
|        |             |        |             | 1           | 214   | 22.7  | 0.155 | 2.000 | Pass  |      |
|        |             |        | QPSK        | 108         | 54    | 22.81 | 0.159 | 2.000 | Pass  |      |
|        |             |        |             | 1           | 1     | 22.79 | 0.158 | 2.000 | Pass  |      |
|        |             |        |             | 1           | 214   | 22.79 | 0.158 | 2.000 | Pass  |      |
|        |             |        | 16QAM       | 108         | 54    | 21.81 | 0.126 | 2.000 | Pass  |      |
|        |             |        |             | 1           | 1     | 21.67 | 0.122 | 2.000 | Pass  |      |
|        |             |        |             | 1           | 214   | 21.71 | 0.123 | 2.000 | Pass  |      |
|        |             |        | 64QAM       | 108         | 54    | 20.32 | 0.090 | 2.000 | Pass  |      |
|        |             |        |             | 1           | 1     | 20.54 | 0.094 | 2.000 | Pass  |      |
|        |             |        |             | 1           | 214   | 20.4  | 0.091 | 2.000 | Pass  |      |
|        |             |        | 256QAM      | 108         | 54    | 18.3  | 0.056 | 2.000 | Pass  |      |
|        |             |        |             | 1           | 1     | 17.87 | 0.051 | 2.000 | Pass  |      |
|        |             |        |             | 1           | 214   | 17.87 | 0.051 | 2.000 | Pass  |      |
|        |             |        | MCH         | PI2<br>BPSK | 108   | 54    | 22.8  | 0.158 | 2.000 | Pass |
|        |             |        |             |             | 1     | 1     | 22.72 | 0.156 | 2.000 | Pass |
|        |             |        |             |             | 1     | 214   | 22.71 | 0.155 | 2.000 | Pass |
| QPSK   |             | 108    |             | 54          | 22.81 | 0.159 | 2.000 | Pass  |       |      |
|        |             | 1      |             | 1           | 22.84 | 0.160 | 2.000 | Pass  |       |      |
|        |             | 1      |             | 214         | 22.81 | 0.159 | 2.000 | Pass  |       |      |
| 16QAM  |             | 108    |             | 54          | 21.82 | 0.126 | 2.000 | Pass  |       |      |
|        |             | 1      |             | 1           | 21.67 | 0.122 | 2.000 | Pass  |       |      |
|        |             | 1      |             | 214         | 21.72 | 0.124 | 2.000 | Pass  |       |      |
| 64QAM  |             | 108    |             | 54          | 20.23 | 0.088 | 2.000 | Pass  |       |      |
|        |             | 1      |             | 1           | 20.54 | 0.094 | 2.000 | Pass  |       |      |
|        |             | 1      |             | 214         | 20.51 | 0.094 | 2.000 | Pass  |       |      |
| 256QAM | 108         | 54     |             | 18.27       | 0.056 | 2.000 | Pass  |       |       |      |
|        | 1           | 1      |             | 17.8        | 0.050 | 2.000 | Pass  |       |       |      |
|        | 1           | 214    |             | 17.84       | 0.051 | 2.000 | Pass  |       |       |      |
| HCH    | PI2<br>BPSK | 108    |             | 54          | 22.83 | 0.160 | 2.000 | Pass  |       |      |
|        |             | 1      |             | 1           | 22.68 | 0.154 | 2.000 | Pass  |       |      |
|        |             | 1      |             | 214         | 22.67 | 0.154 | 2.000 | Pass  |       |      |
|        | QPSK        | 108    | 54          | 22.71       | 0.155 | 2.000 | Pass  |       |       |      |



|  |  |        |     |     |       |       |       |      |
|--|--|--------|-----|-----|-------|-------|-------|------|
|  |  |        | 1   | 1   | 22.76 | 0.157 | 2.000 | Pass |
|  |  |        | 1   | 214 | 22.61 | 0.152 | 2.000 | Pass |
|  |  | 16QAM  | 108 | 54  | 21.81 | 0.126 | 2.000 | Pass |
|  |  |        | 1   | 1   | 21.66 | 0.122 | 2.000 | Pass |
|  |  |        | 1   | 214 | 21.54 | 0.119 | 2.000 | Pass |
|  |  | 64QAM  | 108 | 54  | 20.31 | 0.089 | 2.000 | Pass |
|  |  |        | 1   | 1   | 20.44 | 0.092 | 2.000 | Pass |
|  |  |        | 1   | 214 | 20.32 | 0.090 | 2.000 | Pass |
|  |  | 256QAM | 108 | 54  | 18.18 | 0.055 | 2.000 | Pass |
|  |  |        | 1   | 1   | 17.74 | 0.049 | 2.000 | Pass |
|  |  |        | 1   | 214 | 17.73 | 0.049 | 2.000 | Pass |

| Test BW     | Test Channel | Test Mode | UL RB Number | UL RB Position | Conducted Output AV Power(dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------|--------------|-----------|--------------|----------------|--------------------------------|----------|-----------|---------|
| NR Band n38 |              |           |              |                |                                |          |           |         |
| 20          | LCH          | PI/2 BPSK | 25           | 12             | 23.54                          | 0.175    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.48                          | 0.173    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 23.56                          | 0.176    | 2.000     | Pass    |
|             |              | QPSK      | 25           | 12             | 23.51                          | 0.174    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.33                          | 0.167    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 23.49                          | 0.173    | 2.000     | Pass    |
|             |              | 16QAM     | 25           | 12             | 22.42                          | 0.136    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 22.38                          | 0.134    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 22.53                          | 0.139    | 2.000     | Pass    |
|             |              | 64QAM     | 25           | 12             | 20.93                          | 0.096    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 20.92                          | 0.096    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 21.09                          | 0.100    | 2.000     | Pass    |
|             |              | 256QAM    | 25           | 12             | 18.97                          | 0.061    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 18.89                          | 0.060    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 19.07                          | 0.063    | 2.000     | Pass    |
|             | MCH          | PI/2 BPSK | 25           | 12             | 23.58                          | 0.177    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.34                          | 0.167    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 23.51                          | 0.174    | 2.000     | Pass    |
|             |              | QPSK      | 25           | 12             | 23.44                          | 0.171    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.32                          | 0.167    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 23.43                          | 0.171    | 2.000     | Pass    |
|             |              | 16QAM     | 25           | 12             | 22.5                           | 0.138    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 22.33                          | 0.133    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 22.42                          | 0.136    | 2.000     | Pass    |
|             |              | 64QAM     | 25           | 12             | 20.91                          | 0.096    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 20.89                          | 0.095    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 21.02                          | 0.098    | 2.000     | Pass    |
|             |              | 256QAM    | 25           | 12             | 18.93                          | 0.061    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 18.9                           | 0.060    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 18.99                          | 0.062    | 2.000     | Pass    |
|             | HCH          | PI/2 BPSK | 25           | 12             | 23.59                          | 0.177    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.49                          | 0.173    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 23.52                          | 0.175    | 2.000     | Pass    |
|             |              | QPSK      | 25           | 12             | 23.5                           | 0.174    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.41                          | 0.170    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 23.46                          | 0.172    | 2.000     | Pass    |
|             |              | 16QAM     | 25           | 12             | 22.56                          | 0.140    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 22.42                          | 0.136    | 2.000     | Pass    |

|        |     |           |       |           |       |       |       |       |       |      |
|--------|-----|-----------|-------|-----------|-------|-------|-------|-------|-------|------|
|        |     | 64QAM     | 1     | 49        | 22.52 | 0.139 | 2.000 | Pass  |       |      |
|        |     |           | 25    | 12        | 21    | 0.098 | 2.000 | Pass  |       |      |
|        |     |           | 1     | 1         | 21    | 0.098 | 2.000 | Pass  |       |      |
|        |     | 256QAM    | 1     | 49        | 21.08 | 0.100 | 2.000 | Pass  |       |      |
|        |     |           | 25    | 12        | 19    | 0.062 | 2.000 | Pass  |       |      |
|        |     |           | 1     | 1         | 18.97 | 0.061 | 2.000 | Pass  |       |      |
|        |     |           |       | PI/2 BPSK | 1     | 49    | 19.05 | 0.062 | 2.000 | Pass |
|        |     |           |       |           | 36    | 18    | 23.53 | 0.175 | 2.000 | Pass |
|        |     |           |       |           | 1     | 1     | 23.36 | 0.168 | 2.000 | Pass |
|        |     |           |       | QPSK      | 1     | 76    | 23.62 | 0.179 | 2.000 | Pass |
|        |     |           |       |           | 36    | 18    | 23.46 | 0.172 | 2.000 | Pass |
|        |     |           |       |           | 1     | 1     | 23.33 | 0.167 | 2.000 | Pass |
| 16QAM  | 1   |           |       | 76        | 23.58 | 0.177 | 2.000 | Pass  |       |      |
|        | 36  |           |       | 18        | 22.32 | 0.132 | 2.000 | Pass  |       |      |
|        | 1   |           |       | 1         | 22.35 | 0.133 | 2.000 | Pass  |       |      |
| 64QAM  | 1   |           |       | 76        | 22.63 | 0.142 | 2.000 | Pass  |       |      |
|        | 36  |           |       | 18        | 20.83 | 0.094 | 2.000 | Pass  |       |      |
|        | 1   |           |       | 1         | 20.89 | 0.095 | 2.000 | Pass  |       |      |
| 256QAM | 1   | 76        | 21.15 | 0.101     | 2.000 | Pass  |       |       |       |      |
|        | 36  | 18        | 18.96 | 0.061     | 2.000 | Pass  |       |       |       |      |
|        | 1   | 1         | 18.87 | 0.060     | 2.000 | Pass  |       |       |       |      |
| 30     | LCH | PI/2 BPSK | 1     | 76        | 19.15 | 0.064 | 2.000 | Pass  |       |      |
|        |     |           | 36    | 18        | 23.58 | 0.177 | 2.000 | Pass  |       |      |
|        |     |           | 1     | 1         | 23.46 | 0.172 | 2.000 | Pass  |       |      |
|        |     | QPSK      | 1     | 76        | 23.64 | 0.179 | 2.000 | Pass  |       |      |
|        |     |           | 36    | 18        | 23.52 | 0.175 | 2.000 | Pass  |       |      |
|        |     |           | 1     | 1         | 23.32 | 0.167 | 2.000 | Pass  |       |      |
|        |     | 16QAM     | 1     | 76        | 23.6  | 0.178 | 2.000 | Pass  |       |      |
|        |     |           | 36    | 18        | 22.47 | 0.137 | 2.000 | Pass  |       |      |
|        |     |           | 1     | 1         | 22.32 | 0.132 | 2.000 | Pass  |       |      |
|        |     | 64QAM     | 1     | 76        | 22.5  | 0.138 | 2.000 | Pass  |       |      |
|        |     |           | 36    | 18        | 20.85 | 0.094 | 2.000 | Pass  |       |      |
|        |     |           | 1     | 1         | 20.89 | 0.095 | 2.000 | Pass  |       |      |
| 256QAM | 1   | 76        | 21.18 | 0.102     | 2.000 | Pass  |       |       |       |      |
|        | 36  | 18        | 19.02 | 0.062     | 2.000 | Pass  |       |       |       |      |
|        | 1   | 1         | 18.93 | 0.061     | 2.000 | Pass  |       |       |       |      |
| 30     | MCH | PI/2 BPSK | 1     | 76        | 19.16 | 0.064 | 2.000 | Pass  |       |      |
|        |     |           | 36    | 18        | 23.63 | 0.179 | 2.000 | Pass  |       |      |
|        |     |           | 1     | 1         | 23.5  | 0.174 | 2.000 | Pass  |       |      |
|        |     | QPSK      | 1     | 76        | 23.68 | 0.181 | 2.000 | Pass  |       |      |
|        |     |           | 36    | 18        | 23.52 | 0.175 | 2.000 | Pass  |       |      |
|        |     |           | 1     | 1         | 23.44 | 0.171 | 2.000 | Pass  |       |      |
|        |     | 16QAM     | 1     | 76        | 23.62 | 0.179 | 2.000 | Pass  |       |      |
|        |     |           | 36    | 18        | 22.32 | 0.132 | 2.000 | Pass  |       |      |
|        |     |           | 1     | 1         | 22.32 | 0.132 | 2.000 | Pass  |       |      |
|        |     | 64QAM     | 1     | 76        | 22.5  | 0.138 | 2.000 | Pass  |       |      |
|        |     |           | 36    | 18        | 20.85 | 0.094 | 2.000 | Pass  |       |      |
|        |     |           | 1     | 1         | 20.89 | 0.095 | 2.000 | Pass  |       |      |
| 256QAM | 1   | 76        | 21.18 | 0.102     | 2.000 | Pass  |       |       |       |      |
|        | 36  | 18        | 19.02 | 0.062     | 2.000 | Pass  |       |       |       |      |
|        | 1   | 1         | 18.93 | 0.061     | 2.000 | Pass  |       |       |       |      |
| 30     | HCH | PI/2 BPSK | 1     | 76        | 19.16 | 0.064 | 2.000 | Pass  |       |      |
|        |     |           | 36    | 18        | 23.63 | 0.179 | 2.000 | Pass  |       |      |
|        |     |           | 1     | 1         | 23.5  | 0.174 | 2.000 | Pass  |       |      |
|        |     | QPSK      | 1     | 76        | 23.68 | 0.181 | 2.000 | Pass  |       |      |
|        |     |           | 36    | 18        | 23.52 | 0.175 | 2.000 | Pass  |       |      |
|        |     |           | 1     | 1         | 23.44 | 0.171 | 2.000 | Pass  |       |      |
|        |     | 16QAM     | 1     | 76        | 23.62 | 0.179 | 2.000 | Pass  |       |      |
|        |     |           | 36    | 18        | 22.32 | 0.132 | 2.000 | Pass  |       |      |
|        |     |           | 1     | 1         | 22.32 | 0.132 | 2.000 | Pass  |       |      |
|        |     | 64QAM     | 1     | 76        | 22.5  | 0.138 | 2.000 | Pass  |       |      |
|        |     |           | 36    | 18        | 20.85 | 0.094 | 2.000 | Pass  |       |      |
|        |     |           | 1     | 1         | 20.89 | 0.095 | 2.000 | Pass  |       |      |
| 256QAM | 1   | 76        | 21.18 | 0.102     | 2.000 | Pass  |       |       |       |      |
|        | 36  | 18        | 19.02 | 0.062     | 2.000 | Pass  |       |       |       |      |
|        | 1   | 1         | 18.93 | 0.061     | 2.000 | Pass  |       |       |       |      |

|        |              |              |              |       |       |       |       |       |      |
|--------|--------------|--------------|--------------|-------|-------|-------|-------|-------|------|
|        |              | 16QAM        | 36           | 18    | 22.5  | 0.138 | 2.000 | Pass  |      |
|        |              |              | 1            | 1     | 22.52 | 0.139 | 2.000 | Pass  |      |
|        |              |              | 1            | 76    | 22.65 | 0.143 | 2.000 | Pass  |      |
|        |              | 64QAM        | 36           | 18    | 21.01 | 0.098 | 2.000 | Pass  |      |
|        |              |              | 1            | 1     | 21.01 | 0.098 | 2.000 | Pass  |      |
|        |              |              | 1            | 76    | 21.22 | 0.103 | 2.000 | Pass  |      |
|        |              | 256QAM       | 36           | 18    | 19.04 | 0.062 | 2.000 | Pass  |      |
|        |              |              | 1            | 1     | 19.06 | 0.063 | 2.000 | Pass  |      |
|        |              |              | 1            | 76    | 19.19 | 0.064 | 2.000 | Pass  |      |
| 40     | LCH          | PI/2<br>BPSK | 50           | 25    | 23.64 | 0.179 | 2.000 | Pass  |      |
|        |              |              | 1            | 1     | 23.55 | 0.176 | 2.000 | Pass  |      |
|        |              |              | 1            | 104   | 23.71 | 0.182 | 2.000 | Pass  |      |
|        |              | QPSK         | 50           | 25    | 23.54 | 0.175 | 2.000 | Pass  |      |
|        |              |              | 1            | 1     | 23.43 | 0.171 | 2.000 | Pass  |      |
|        |              |              | 1            | 104   | 23.67 | 0.181 | 2.000 | Pass  |      |
|        |              | 16QAM        | 50           | 25    | 22.59 | 0.141 | 2.000 | Pass  |      |
|        |              |              | 1            | 1     | 22.4  | 0.135 | 2.000 | Pass  |      |
|        |              |              | 1            | 104   | 22.62 | 0.142 | 2.000 | Pass  |      |
|        |              | 64QAM        | 50           | 25    | 21.06 | 0.099 | 2.000 | Pass  |      |
|        |              |              | 1            | 1     | 21    | 0.098 | 2.000 | Pass  |      |
|        |              |              | 1            | 104   | 21.22 | 0.103 | 2.000 | Pass  |      |
|        |              | 256QAM       | 50           | 25    | 19.14 | 0.064 | 2.000 | Pass  |      |
|        |              |              | 1            | 1     | 18.96 | 0.061 | 2.000 | Pass  |      |
|        |              |              | 1            | 104   | 19.18 | 0.064 | 2.000 | Pass  |      |
|        |              | MCH          | PI/2<br>BPSK | 50    | 25    | 23.45 | 0.172 | 2.000 | Pass |
|        |              |              |              | 1     | 1     | 23.46 | 0.172 | 2.000 | Pass |
|        |              |              |              | 1     | 104   | 23.64 | 0.179 | 2.000 | Pass |
|        | QPSK         |              | 50           | 25    | 23.51 | 0.174 | 2.000 | Pass  |      |
|        |              |              | 1            | 1     | 23.27 | 0.165 | 2.000 | Pass  |      |
|        |              |              | 1            | 104   | 23.63 | 0.179 | 2.000 | Pass  |      |
|        | 16QAM        |              | 50           | 25    | 22.51 | 0.138 | 2.000 | Pass  |      |
|        |              |              | 1            | 1     | 22.26 | 0.131 | 2.000 | Pass  |      |
|        |              |              | 1            | 104   | 22.57 | 0.140 | 2.000 | Pass  |      |
|        | 64QAM        |              | 50           | 25    | 20.96 | 0.097 | 2.000 | Pass  |      |
|        |              |              | 1            | 1     | 20.87 | 0.095 | 2.000 | Pass  |      |
|        |              |              | 1            | 104   | 21.16 | 0.101 | 2.000 | Pass  |      |
| 256QAM | 50           |              | 25           | 19.02 | 0.062 | 2.000 | Pass  |       |      |
|        | 1            |              | 1            | 18.82 | 0.059 | 2.000 | Pass  |       |      |
|        | 1            |              | 104          | 19.13 | 0.064 | 2.000 | Pass  |       |      |
| HCH    | PI/2<br>BPSK |              | 50           | 25    | 23.65 | 0.180 | 2.000 | Pass  |      |
|        |              |              | 1            | 1     | 23.55 | 0.176 | 2.000 | Pass  |      |
|        |              |              | 1            | 104   | 23.72 | 0.183 | 2.000 | Pass  |      |
|        | QPSK         | 50           | 25           | 23.63 | 0.179 | 2.000 | Pass  |       |      |

|  |  |        |    |     |       |       |       |      |
|--|--|--------|----|-----|-------|-------|-------|------|
|  |  |        | 1  | 1   | 23.46 | 0.172 | 2.000 | Pass |
|  |  |        | 1  | 104 | 23.67 | 0.181 | 2.000 | Pass |
|  |  | 16QAM  | 50 | 25  | 22.6  | 0.141 | 2.000 | Pass |
|  |  |        | 1  | 1   | 22.5  | 0.138 | 2.000 | Pass |
|  |  |        | 1  | 104 | 22.68 | 0.144 | 2.000 | Pass |
|  |  | 64QAM  | 50 | 25  | 21.07 | 0.099 | 2.000 | Pass |
|  |  |        | 1  | 1   | 21.05 | 0.099 | 2.000 | Pass |
|  |  |        | 1  | 104 | 21.22 | 0.103 | 2.000 | Pass |
|  |  | 256QAM | 50 | 25  | 19.19 | 0.064 | 2.000 | Pass |
|  |  |        | 1  | 1   | 19.06 | 0.063 | 2.000 | Pass |
|  |  |        | 1  | 104 | 19.23 | 0.065 | 2.000 | Pass |

| Test BW     | Test Channel | Test Mode | UL RB Number | UL RB Position | Conducted Output AV Power(dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------|--------------|-----------|--------------|----------------|--------------------------------|----------|-----------|---------|
| NR Band n41 |              |           |              |                |                                |          |           |         |
| 20          | LCH          | PI/2 BPSK | 25           | 12             | 24.85                          | 0.243    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 24.74                          | 0.237    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 24.78                          | 0.239    | 2.000     | Pass    |
|             |              | QPSK      | 25           | 12             | 24.76                          | 0.238    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 24.75                          | 0.237    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 24.8                           | 0.240    | 2.000     | Pass    |
|             |              | 16QAM     | 25           | 12             | 23.87                          | 0.194    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.79                          | 0.190    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 23.82                          | 0.191    | 2.000     | Pass    |
|             |              | 64QAM     | 25           | 12             | 22.32                          | 0.136    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 22.25                          | 0.133    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 22.32                          | 0.136    | 2.000     | Pass    |
|             |              | 256QAM    | 25           | 12             | 20.3                           | 0.085    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 20.25                          | 0.084    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 20.35                          | 0.086    | 2.000     | Pass    |
|             | MCH          | PI/2 BPSK | 25           | 12             | 25.1                           | 0.257    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 24.94                          | 0.248    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 25.05                          | 0.254    | 2.000     | Pass    |
|             |              | QPSK      | 25           | 12             | 25                             | 0.251    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 24.9                           | 0.245    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 25.05                          | 0.254    | 2.000     | Pass    |
|             |              | 16QAM     | 25           | 12             | 24.08                          | 0.203    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 24.03                          | 0.201    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 24.09                          | 0.204    | 2.000     | Pass    |
|             |              | 64QAM     | 25           | 12             | 22.53                          | 0.142    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 22.47                          | 0.140    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 22.55                          | 0.143    | 2.000     | Pass    |
|             |              | 256QAM    | 25           | 12             | 20.51                          | 0.089    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 20.5                           | 0.089    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 20.53                          | 0.090    | 2.000     | Pass    |
|             | HCH          | PI/2 BPSK | 25           | 12             | 25.18                          | 0.262    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 25.16                          | 0.261    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 25.14                          | 0.259    | 2.000     | Pass    |
|             |              | QPSK      | 25           | 12             | 25.1                           | 0.257    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 25.04                          | 0.254    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 25.08                          | 0.256    | 2.000     | Pass    |
|             |              | 16QAM     | 25           | 12             | 24.11                          | 0.205    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 24.1                           | 0.204    | 2.000     | Pass    |

|        |              |        |       |              |       |       |       |       |       |      |
|--------|--------------|--------|-------|--------------|-------|-------|-------|-------|-------|------|
|        |              | 64QAM  | 1     | 49           | 24.13 | 0.206 | 2.000 | Pass  |       |      |
|        |              |        | 25    | 12           | 22.58 | 0.144 | 2.000 | Pass  |       |      |
|        |              |        | 1     | 1            | 22.56 | 0.143 | 2.000 | Pass  |       |      |
|        |              |        | 1     | 49           | 22.62 | 0.145 | 2.000 | Pass  |       |      |
|        |              | 256QAM | 25    | 12           | 20.58 | 0.091 | 2.000 | Pass  |       |      |
|        |              |        | 1     | 1            | 20.69 | 0.093 | 2.000 | Pass  |       |      |
|        |              |        | 1     | 49           | 20.64 | 0.092 | 2.000 | Pass  |       |      |
|        |              |        | 1     | 160          | 20.64 | 0.092 | 2.000 | Pass  |       |      |
|        |              | 60     | LCH   | PI/2<br>BPSK | 81    | 40    | 24.76 | 0.238 | 2.000 | Pass |
|        |              |        |       |              | 1     | 1     | 24.75 | 0.237 | 2.000 | Pass |
|        |              |        |       |              | 1     | 160   | 24.67 | 0.233 | 2.000 | Pass |
|        |              |        |       | QPSK         | 81    | 40    | 24.66 | 0.232 | 2.000 | Pass |
| 1      | 1            |        |       |              | 24.59 | 0.229 | 2.000 | Pass  |       |      |
| 1      | 160          |        |       |              | 24.66 | 0.232 | 2.000 | Pass  |       |      |
| 16QAM  | 81           |        |       | 40           | 23.64 | 0.184 | 2.000 | Pass  |       |      |
|        | 1            |        |       | 1            | 23.62 | 0.183 | 2.000 | Pass  |       |      |
|        | 1            |        |       | 160          | 23.69 | 0.186 | 2.000 | Pass  |       |      |
| 64QAM  | 81           |        |       | 40           | 22.1  | 0.129 | 2.000 | Pass  |       |      |
|        | 1            |        |       | 1            | 22.19 | 0.132 | 2.000 | Pass  |       |      |
|        | 1            |        |       | 160          | 22.25 | 0.133 | 2.000 | Pass  |       |      |
| 256QAM | 81           |        | 40    | 20.22        | 0.084 | 2.000 | Pass  |       |       |      |
|        | 1            |        | 1     | 20.16        | 0.082 | 2.000 | Pass  |       |       |      |
|        | 1            |        | 160   | 20.24        | 0.084 | 2.000 | Pass  |       |       |      |
| MCH    | PI/2<br>BPSK |        | 81    | 40           | 25    | 0.251 | 2.000 | Pass  |       |      |
|        |              |        | 1     | 1            | 24.81 | 0.240 | 2.000 | Pass  |       |      |
|        |              |        | 1     | 160          | 24.96 | 0.249 | 2.000 | Pass  |       |      |
|        | QPSK         |        | 81    | 40           | 24.94 | 0.248 | 2.000 | Pass  |       |      |
|        |              |        | 1     | 1            | 24.77 | 0.238 | 2.000 | Pass  |       |      |
|        |              |        | 1     | 160          | 24.92 | 0.247 | 2.000 | Pass  |       |      |
|        | 16QAM        |        | 81    | 40           | 23.95 | 0.197 | 2.000 | Pass  |       |      |
|        |              |        | 1     | 1            | 23.78 | 0.190 | 2.000 | Pass  |       |      |
|        |              |        | 1     | 160          | 23.95 | 0.197 | 2.000 | Pass  |       |      |
|        | 64QAM        | 81     | 40    | 22.46        | 0.140 | 2.000 | Pass  |       |       |      |
|        |              | 1      | 1     | 22.39        | 0.138 | 2.000 | Pass  |       |       |      |
|        |              | 1      | 160   | 22.5         | 0.141 | 2.000 | Pass  |       |       |      |
| 256QAM | 81           | 40     | 20.48 | 0.089        | 2.000 | Pass  |       |       |       |      |
|        | 1            | 1      | 20.27 | 0.085        | 2.000 | Pass  |       |       |       |      |
|        | 1            | 160    | 20.4  | 0.087        | 2.000 | Pass  |       |       |       |      |
| HCH    | PI/2<br>BPSK | 81     | 40    | 24.99        | 0.251 | 2.000 | Pass  |       |       |      |
|        |              | 1      | 1     | 24.88        | 0.244 | 2.000 | Pass  |       |       |      |
|        |              | 1      | 160   | 24.82        | 0.241 | 2.000 | Pass  |       |       |      |
|        | QPSK         | 81     | 40    | 24.89        | 0.245 | 2.000 | Pass  |       |       |      |
|        |              | 1      | 1     | 24.86        | 0.243 | 2.000 | Pass  |       |       |      |
|        |              | 1      | 160   | 24.84        | 0.242 | 2.000 | Pass  |       |       |      |

|        |              |              |              |       |       |       |       |       |      |
|--------|--------------|--------------|--------------|-------|-------|-------|-------|-------|------|
|        |              | 16QAM        | 81           | 40    | 23.97 | 0.198 | 2.000 | Pass  |      |
|        |              |              | 1            | 1     | 23.82 | 0.191 | 2.000 | Pass  |      |
|        |              |              | 1            | 160   | 23.9  | 0.195 | 2.000 | Pass  |      |
|        |              | 64QAM        | 81           | 40    | 22.44 | 0.139 | 2.000 | Pass  |      |
|        |              |              | 1            | 1     | 22.42 | 0.139 | 2.000 | Pass  |      |
|        |              |              | 1            | 160   | 22.46 | 0.140 | 2.000 | Pass  |      |
|        |              | 256QAM       | 81           | 40    | 20.48 | 0.089 | 2.000 | Pass  |      |
|        |              |              | 1            | 1     | 20.34 | 0.086 | 2.000 | Pass  |      |
|        |              |              | 1            | 160   | 20.34 | 0.086 | 2.000 | Pass  |      |
| 100    | LCH          | PI/2<br>BPSK | 135          | 67    | 24.6  | 0.229 | 2.000 | Pass  |      |
|        |              |              | 1            | 1     | 24.54 | 0.226 | 2.000 | Pass  |      |
|        |              |              | 1            | 271   | 24.74 | 0.237 | 2.000 | Pass  |      |
|        |              | QPSK         | 135          | 67    | 24.54 | 0.226 | 2.000 | Pass  |      |
|        |              |              | 1            | 1     | 24.54 | 0.226 | 2.000 | Pass  |      |
|        |              |              | 1            | 271   | 24.72 | 0.236 | 2.000 | Pass  |      |
|        |              | 16QAM        | 135          | 67    | 23.52 | 0.179 | 2.000 | Pass  |      |
|        |              |              | 1            | 1     | 23.57 | 0.181 | 2.000 | Pass  |      |
|        |              |              | 1            | 271   | 23.68 | 0.185 | 2.000 | Pass  |      |
|        |              | 64QAM        | 135          | 67    | 22.06 | 0.128 | 2.000 | Pass  |      |
|        |              |              | 1            | 1     | 22.13 | 0.130 | 2.000 | Pass  |      |
|        |              |              | 1            | 271   | 22.21 | 0.132 | 2.000 | Pass  |      |
|        |              | 256QAM       | 135          | 67    | 20.03 | 0.080 | 2.000 | Pass  |      |
|        |              |              | 1            | 1     | 19.99 | 0.079 | 2.000 | Pass  |      |
|        |              |              | 1            | 271   | 20.23 | 0.084 | 2.000 | Pass  |      |
|        |              | MCH          | PI/2<br>BPSK | 135   | 67    | 24.91 | 0.246 | 2.000 | Pass |
|        |              |              |              | 1     | 1     | 24.61 | 0.230 | 2.000 | Pass |
|        |              |              |              | 1     | 271   | 24.82 | 0.241 | 2.000 | Pass |
|        | QPSK         |              | 135          | 67    | 24.83 | 0.242 | 2.000 | Pass  |      |
|        |              |              | 1            | 1     | 24.61 | 0.230 | 2.000 | Pass  |      |
|        |              |              | 1            | 271   | 24.82 | 0.241 | 2.000 | Pass  |      |
|        | 16QAM        |              | 135          | 67    | 23.72 | 0.187 | 2.000 | Pass  |      |
|        |              |              | 1            | 1     | 23.66 | 0.185 | 2.000 | Pass  |      |
|        |              |              | 1            | 271   | 23.83 | 0.192 | 2.000 | Pass  |      |
|        | 64QAM        |              | 135          | 67    | 22.23 | 0.133 | 2.000 | Pass  |      |
|        |              |              | 1            | 1     | 22.2  | 0.132 | 2.000 | Pass  |      |
|        |              |              | 1            | 271   | 22.39 | 0.138 | 2.000 | Pass  |      |
| 256QAM | 135          |              | 67           | 20.33 | 0.086 | 2.000 | Pass  |       |      |
|        | 1            |              | 1            | 20.18 | 0.083 | 2.000 | Pass  |       |      |
|        | 1            |              | 271          | 20.36 | 0.086 | 2.000 | Pass  |       |      |
| HCH    | PI/2<br>BPSK |              | 135          | 67    | 24.89 | 0.245 | 2.000 | Pass  |      |
|        |              |              | 1            | 1     | 24.64 | 0.231 | 2.000 | Pass  |      |
|        |              |              | 1            | 271   | 24.77 | 0.238 | 2.000 | Pass  |      |
|        | QPSK         | 135          | 67           | 24.85 | 0.243 | 2.000 | Pass  |       |      |



|  |  |        |     |     |       |       |       |      |
|--|--|--------|-----|-----|-------|-------|-------|------|
|  |  |        | 1   | 1   | 24.54 | 0.226 | 2.000 | Pass |
|  |  |        | 1   | 271 | 24.74 | 0.237 | 2.000 | Pass |
|  |  | 16QAM  | 135 | 67  | 23.83 | 0.192 | 2.000 | Pass |
|  |  |        | 1   | 1   | 23.53 | 0.179 | 2.000 | Pass |
|  |  |        | 1   | 271 | 23.72 | 0.187 | 2.000 | Pass |
|  |  | 64QAM  | 135 | 67  | 22.37 | 0.137 | 2.000 | Pass |
|  |  |        | 1   | 1   | 22.15 | 0.130 | 2.000 | Pass |
|  |  |        | 1   | 271 | 22.39 | 0.138 | 2.000 | Pass |
|  |  | 256QAM | 135 | 67  | 20.33 | 0.086 | 2.000 | Pass |
|  |  |        | 1   | 1   | 20.13 | 0.082 | 2.000 | Pass |
|  |  |        | 1   | 271 | 20.25 | 0.084 | 2.000 | Pass |

| Test BW     | Test Channel | Test Mode | UL RB Number | UL RB Position | Conducted Output AV Power(dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------|--------------|-----------|--------------|----------------|--------------------------------|----------|-----------|---------|
| NR Band n66 |              |           |              |                |                                |          |           |         |
| 5           | LCH          | PI/2 BPSK | 12           | 6              | 23.65                          | 0.082    | 1.000     | Pass    |
|             |              |           | 1            | 1              | 23.64                          | 0.082    | 1.000     | Pass    |
|             |              |           | 1            | 23             | 23.64                          | 0.082    | 1.000     | Pass    |
|             |              | QPSK      | 12           | 6              | 23.52                          | 0.080    | 1.000     | Pass    |
|             |              |           | 1            | 1              | 23.6                           | 0.081    | 1.000     | Pass    |
|             |              |           | 1            | 23             | 23.64                          | 0.082    | 1.000     | Pass    |
|             |              | 16QAM     | 12           | 6              | 22.61                          | 0.065    | 1.000     | Pass    |
|             |              |           | 1            | 1              | 22.56                          | 0.064    | 1.000     | Pass    |
|             |              |           | 1            | 23             | 22.59                          | 0.064    | 1.000     | Pass    |
|             |              | 64QAM     | 12           | 6              | 21.1                           | 0.046    | 1.000     | Pass    |
|             |              |           | 1            | 1              | 21.2                           | 0.047    | 1.000     | Pass    |
|             |              |           | 1            | 23             | 21.29                          | 0.048    | 1.000     | Pass    |
|             |              | 256QAM    | 12           | 6              | 19.06                          | 0.029    | 1.000     | Pass    |
|             |              |           | 1            | 1              | 18.51                          | 0.025    | 1.000     | Pass    |
|             |              |           | 1            | 23             | 18.5                           | 0.025    | 1.000     | Pass    |
|             | MCH          | PI/2 BPSK | 12           | 6              | 23.69                          | 0.083    | 1.000     | Pass    |
|             |              |           | 1            | 1              | 23.65                          | 0.082    | 1.000     | Pass    |
|             |              |           | 1            | 23             | 23.69                          | 0.083    | 1.000     | Pass    |
|             |              | QPSK      | 12           | 6              | 23.49                          | 0.079    | 1.000     | Pass    |
|             |              |           | 1            | 1              | 23.52                          | 0.080    | 1.000     | Pass    |
|             |              |           | 1            | 23             | 23.56                          | 0.081    | 1.000     | Pass    |
|             |              | 16QAM     | 12           | 6              | 22.66                          | 0.065    | 1.000     | Pass    |
|             |              |           | 1            | 1              | 22.57                          | 0.064    | 1.000     | Pass    |
|             |              |           | 1            | 23             | 22.53                          | 0.064    | 1.000     | Pass    |
|             |              | 64QAM     | 12           | 6              | 21.13                          | 0.046    | 1.000     | Pass    |
|             |              |           | 1            | 1              | 21.21                          | 0.047    | 1.000     | Pass    |
|             |              |           | 1            | 23             | 21.18                          | 0.047    | 1.000     | Pass    |
|             |              | 256QAM    | 12           | 6              | 18.99                          | 0.028    | 1.000     | Pass    |
|             |              |           | 1            | 1              | 18.53                          | 0.025    | 1.000     | Pass    |
|             |              |           | 1            | 23             | 18.5                           | 0.025    | 1.000     | Pass    |
|             | HCH          | PI/2 BPSK | 12           | 6              | 23.8                           | 0.085    | 1.000     | Pass    |
|             |              |           | 1            | 1              | 23.73                          | 0.084    | 1.000     | Pass    |
|             |              |           | 1            | 23             | 23.75                          | 0.084    | 1.000     | Pass    |
|             |              | QPSK      | 12           | 6              | 23.65                          | 0.082    | 1.000     | Pass    |
|             |              |           | 1            | 1              | 23.67                          | 0.083    | 1.000     | Pass    |
|             |              |           | 1            | 23             | 23.69                          | 0.083    | 1.000     | Pass    |
|             |              | 16QAM     | 12           | 6              | 22.71                          | 0.066    | 1.000     | Pass    |
|             |              |           | 1            | 1              | 22.62                          | 0.065    | 1.000     | Pass    |

|        |              |        |      |              |       |       |       |       |       |      |
|--------|--------------|--------|------|--------------|-------|-------|-------|-------|-------|------|
|        |              | 64QAM  | 1    | 23           | 22.7  | 0.066 | 1.000 | Pass  |       |      |
|        |              |        | 12   | 6            | 21.25 | 0.047 | 1.000 | Pass  |       |      |
|        |              |        | 1    | 1            | 21.29 | 0.048 | 1.000 | Pass  |       |      |
|        |              |        | 1    | 23           | 21.38 | 0.049 | 1.000 | Pass  |       |      |
|        |              | 256QAM | 12   | 6            | 19.12 | 0.029 | 1.000 | Pass  |       |      |
|        |              |        | 1    | 1            | 18.72 | 0.026 | 1.000 | Pass  |       |      |
|        |              |        | 1    | 23           | 18.68 | 0.026 | 1.000 | Pass  |       |      |
|        |              |        | 1    | 23           | 18.68 | 0.026 | 1.000 | Pass  |       |      |
|        |              | 20     | LCH  | PI/2<br>BPSK | 50    | 25    | 23.79 | 0.085 | 1.000 | Pass |
|        |              |        |      |              | 1     | 1     | 23.6  | 0.081 | 1.000 | Pass |
|        |              |        |      |              | 1     | 104   | 23.67 | 0.083 | 1.000 | Pass |
|        |              |        |      | QPSK         | 50    | 25    | 23.63 | 0.082 | 1.000 | Pass |
| 1      | 1            |        |      |              | 23.65 | 0.082 | 1.000 | Pass  |       |      |
| 1      | 104          |        |      |              | 23.75 | 0.084 | 1.000 | Pass  |       |      |
| 16QAM  | 50           |        |      | 25           | 22.67 | 0.066 | 1.000 | Pass  |       |      |
|        | 1            |        |      | 1            | 22.61 | 0.065 | 1.000 | Pass  |       |      |
|        | 1            |        |      | 104          | 22.69 | 0.066 | 1.000 | Pass  |       |      |
| 64QAM  | 50           |        |      | 25           | 21.21 | 0.047 | 1.000 | Pass  |       |      |
|        | 1            |        |      | 1            | 21.28 | 0.048 | 1.000 | Pass  |       |      |
|        | 1            |        |      | 104          | 21.29 | 0.048 | 1.000 | Pass  |       |      |
| 256QAM | 50           |        | 25   | 19.12        | 0.029 | 1.000 | Pass  |       |       |      |
|        | 1            |        | 1    | 18.56        | 0.025 | 1.000 | Pass  |       |       |      |
|        | 1            |        | 104  | 18.64        | 0.026 | 1.000 | Pass  |       |       |      |
| MCH    | PI/2<br>BPSK |        | 50   | 25           | 23.67 | 0.083 | 1.000 | Pass  |       |      |
|        |              |        | 1    | 1            | 23.73 | 0.084 | 1.000 | Pass  |       |      |
|        |              |        | 1    | 104          | 23.68 | 0.083 | 1.000 | Pass  |       |      |
|        | QPSK         |        | 50   | 25           | 23.65 | 0.082 | 1.000 | Pass  |       |      |
|        |              |        | 1    | 1            | 23.7  | 0.083 | 1.000 | Pass  |       |      |
|        |              |        | 1    | 104          | 23.7  | 0.083 | 1.000 | Pass  |       |      |
|        | 16QAM        |        | 50   | 25           | 22.62 | 0.065 | 1.000 | Pass  |       |      |
|        |              |        | 1    | 1            | 22.64 | 0.065 | 1.000 | Pass  |       |      |
|        |              |        | 1    | 104          | 22.48 | 0.063 | 1.000 | Pass  |       |      |
|        | 64QAM        | 50     | 25   | 21.14        | 0.046 | 1.000 | Pass  |       |       |      |
|        |              | 1      | 1    | 21.34        | 0.048 | 1.000 | Pass  |       |       |      |
|        |              | 1      | 104  | 21.21        | 0.047 | 1.000 | Pass  |       |       |      |
| 256QAM | 50           | 25     | 19.1 | 0.029        | 1.000 | Pass  |       |       |       |      |
|        | 1            | 1      | 18.6 | 0.026        | 1.000 | Pass  |       |       |       |      |
|        | 1            | 104    | 18.6 | 0.026        | 1.000 | Pass  |       |       |       |      |
| HCH    | PI/2<br>BPSK | 50     | 25   | 23.84        | 0.086 | 1.000 | Pass  |       |       |      |
|        |              | 1      | 1    | 23.77        | 0.085 | 1.000 | Pass  |       |       |      |
|        |              | 1      | 104  | 23.74        | 0.084 | 1.000 | Pass  |       |       |      |
|        | QPSK         | 50     | 25   | 23.64        | 0.082 | 1.000 | Pass  |       |       |      |
|        |              | 1      | 1    | 23.75        | 0.084 | 1.000 | Pass  |       |       |      |
|        |              | 1      | 104  | 23.79        | 0.085 | 1.000 | Pass  |       |       |      |

|        |              |        |              |              |       |       |       |       |       |      |
|--------|--------------|--------|--------------|--------------|-------|-------|-------|-------|-------|------|
|        |              | 16QAM  | 50           | 25           | 22.65 | 0.065 | 1.000 | Pass  |       |      |
|        |              |        | 1            | 1            | 22.64 | 0.065 | 1.000 | Pass  |       |      |
|        |              |        | 1            | 104          | 22.72 | 0.066 | 1.000 | Pass  |       |      |
|        |              | 64QAM  | 50           | 25           | 21.24 | 0.047 | 1.000 | Pass  |       |      |
|        |              |        | 1            | 1            | 21.24 | 0.047 | 1.000 | Pass  |       |      |
|        |              |        | 1            | 104          | 21.46 | 0.050 | 1.000 | Pass  |       |      |
|        |              | 256QAM | 50           | 25           | 19.06 | 0.029 | 1.000 | Pass  |       |      |
|        |              |        | 1            | 1            | 18.61 | 0.026 | 1.000 | Pass  |       |      |
|        |              |        | 1            | 104          | 18.71 | 0.026 | 1.000 | Pass  |       |      |
|        | 40           | LCH    | PI/2<br>BPSK | 108          | 54    | 23.79 | 0.085 | 1.000 | Pass  |      |
|        |              |        |              | 1            | 1     | 23.54 | 0.080 | 1.000 | Pass  |      |
|        |              |        |              | 1            | 214   | 23.54 | 0.080 | 1.000 | Pass  |      |
|        |              |        | QPSK         | 108          | 54    | 23.65 | 0.082 | 1.000 | Pass  |      |
|        |              |        |              | 1            | 1     | 23.49 | 0.079 | 1.000 | Pass  |      |
|        |              |        |              | 1            | 214   | 23.48 | 0.079 | 1.000 | Pass  |      |
|        |              |        | 16QAM        | 108          | 54    | 22.62 | 0.065 | 1.000 | Pass  |      |
|        |              |        |              | 1            | 1     | 22.52 | 0.063 | 1.000 | Pass  |      |
|        |              |        |              | 1            | 214   | 22.46 | 0.063 | 1.000 | Pass  |      |
|        |              |        | 64QAM        | 108          | 54    | 21.09 | 0.046 | 1.000 | Pass  |      |
|        |              |        |              | 1            | 1     | 21.15 | 0.046 | 1.000 | Pass  |      |
|        |              |        |              | 1            | 214   | 21.09 | 0.046 | 1.000 | Pass  |      |
|        |              |        | 256QAM       | 108          | 54    | 19.13 | 0.029 | 1.000 | Pass  |      |
|        |              |        |              | 1            | 1     | 18.67 | 0.026 | 1.000 | Pass  |      |
|        |              |        |              | 1            | 214   | 18.61 | 0.026 | 1.000 | Pass  |      |
|        |              |        | MCH          | PI/2<br>BPSK | 108   | 54    | 23.79 | 0.085 | 1.000 | Pass |
|        |              |        |              |              | 1     | 1     | 23.65 | 0.082 | 1.000 | Pass |
|        |              |        |              |              | 1     | 214   | 23.42 | 0.078 | 1.000 | Pass |
| QPSK   |              | 108    |              | 54           | 23.65 | 0.082 | 1.000 | Pass  |       |      |
|        |              | 1      |              | 1            | 23.7  | 0.083 | 1.000 | Pass  |       |      |
|        |              | 1      |              | 214          | 23.39 | 0.077 | 1.000 | Pass  |       |      |
| 16QAM  |              | 108    |              | 54           | 22.55 | 0.064 | 1.000 | Pass  |       |      |
|        |              | 1      |              | 1            | 22.65 | 0.065 | 1.000 | Pass  |       |      |
|        |              | 1      |              | 214          | 22.39 | 0.062 | 1.000 | Pass  |       |      |
| 64QAM  |              | 108    |              | 54           | 21.07 | 0.045 | 1.000 | Pass  |       |      |
|        |              | 1      |              | 1            | 21.31 | 0.048 | 1.000 | Pass  |       |      |
|        |              | 1      |              | 214          | 21.04 | 0.045 | 1.000 | Pass  |       |      |
| 256QAM | 108          | 54     |              | 19.15        | 0.029 | 1.000 | Pass  |       |       |      |
|        | 1            | 1      |              | 18.77        | 0.027 | 1.000 | Pass  |       |       |      |
|        | 1            | 214    |              | 18.48        | 0.025 | 1.000 | Pass  |       |       |      |
| HCH    | PI/2<br>BPSK | 108    |              | 54           | 23.8  | 0.085 | 1.000 | Pass  |       |      |
|        |              | 1      |              | 1            | 23.66 | 0.082 | 1.000 | Pass  |       |      |
|        |              | 1      |              | 214          | 23.67 | 0.083 | 1.000 | Pass  |       |      |
|        | QPSK         | 108    | 54           | 23.65        | 0.082 | 1.000 | Pass  |       |       |      |

|  |  |        |     |     |       |       |       |      |
|--|--|--------|-----|-----|-------|-------|-------|------|
|  |  |        | 1   | 1   | 23.59 | 0.081 | 1.000 | Pass |
|  |  |        | 1   | 214 | 23.61 | 0.081 | 1.000 | Pass |
|  |  | 16QAM  | 108 | 54  | 22.65 | 0.065 | 1.000 | Pass |
|  |  |        | 1   | 1   | 22.6  | 0.065 | 1.000 | Pass |
|  |  |        | 1   | 214 | 22.61 | 0.065 | 1.000 | Pass |
|  |  | 64QAM  | 108 | 54  | 21.06 | 0.045 | 1.000 | Pass |
|  |  |        | 1   | 1   | 21.28 | 0.048 | 1.000 | Pass |
|  |  |        | 1   | 214 | 21.24 | 0.047 | 1.000 | Pass |
|  |  | 256QAM | 108 | 54  | 19.12 | 0.029 | 1.000 | Pass |
|  |  |        | 1   | 1   | 18.75 | 0.027 | 1.000 | Pass |
|  |  |        | 1   | 214 | 18.73 | 0.026 | 1.000 | Pass |

| Test BW                      | Test Channel | Test Mode | NR UL RB No. | NR UL RB Pos. | LTE UL RB No. | LTE UL RB Pos. | NR Conducted Output Power (dBm) | LTE Conducted Output Power (dBm) | Total Conducted Output Power (dBm) | EIRP (W) | Limit (W) | Verdict |       |
|------------------------------|--------------|-----------|--------------|---------------|---------------|----------------|---------------------------------|----------------------------------|------------------------------------|----------|-----------|---------|-------|
| DC_2A_n66A                   |              |           |              |               |               |                |                                 |                                  |                                    |          |           |         |       |
| 5MHz(LTE)<br>+<br>5MHz(NR)   | LCH          | PI/2 BPSK | 1            | 1             | 1             | 0              | 20.12                           | 20.43                            | 23.29                              | 0.103    | 1.000     | Pass    |       |
|                              |              |           | 12           | 6             | 8             | 0              | 20.22                           | 20.47                            | 23.36                              | 0.104    | 1.000     | Pass    |       |
|                              | MCH          |           | 12           | 6             | 8             | 0              | 20.25                           | 20.97                            | 23.64                              | 0.113    | 1.000     | Pass    |       |
|                              |              |           | HCH          | 1             | 23            | 1              | 24                              | 20.59                            | 21.14                              | 23.88    | 0.119     | 1.000   | Pass  |
|                              | 12           |           |              | 6             | 8             | 0              | 20.6                            | 21                               | 23.81                              | 0.117    | 1.000     | Pass    |       |
|                              | LCH          |           | QPSK         | 1             | 1             | 1              | 0                               | 20.27                            | 20.38                              | 23.34    | 0.104     | 1.000   | Pass  |
|                              |              |           |              | 12            | 6             | 8              | 0                               | 20.3                             | 20.51                              | 23.42    | 0.106     | 1.000   | Pass  |
|                              |              |           |              | MCH           | 12            | 6              | 8                               | 0                                | 20.32                              | 20.92    | 23.64     | 0.113   | 1.000 |
|                              |              | HCH       |              |               | 1             | 23             | 1                               | 24                               | 20.54                              | 21.05    | 23.81     | 0.117   | 1.000 |
|                              | 12           |           |              | 6             | 8             | 0              | 20.67                           | 21.1                             | 23.9                               | 0.119    | 1.000     | Pass    |       |
|                              | LCH          | 16QAM     |              | 1             | 1             | 1              | 0                               | 20.42                            | 20.48                              | 23.46    | 0.106     | 1.000   | Pass  |
|                              |              |           |              | 12            | 6             | 8              | 0                               | 20.29                            | 20.51                              | 23.41    | 0.106     | 1.000   | Pass  |
|                              |              |           |              | MCH           | 12            | 6              | 8                               | 0                                | 20.29                              | 21.03    | 23.69     | 0.114   | 1.000 |
|                              |              |           | HCH          |               | 1             | 23             | 1                               | 24                               | 20.71                              | 21.17    | 23.96     | 0.121   | 1.000 |
|                              | 12           |           |              | 6             | 8             | 0              | 20.62                           | 20.99                            | 23.82                              | 0.117    | 1.000     | Pass    |       |
|                              | LCH          |           | 64QAM        | 1             | 1             | 1              | 0                               | 20.27                            | 20.43                              | 23.36    | 0.104     | 1.000   | Pass  |
|                              |              |           |              | 12            | 6             | 8              | 0                               | 20.31                            | 20.48                              | 23.41    | 0.105     | 1.000   | Pass  |
|                              |              |           |              | MCH           | 12            | 6              | 8                               | 0                                | 20.44                              | 21.06    | 23.77     | 0.116   | 1.000 |
|                              |              | HCH       |              |               | 1             | 23             | 1                               | 24                               | 20.53                              | 21.09    | 23.83     | 0.118   | 1.000 |
|                              | 12           |           |              | 6             | 8             | 0              | 20.76                           | 21.05                            | 23.92                              | 0.119    | 1.000     | Pass    |       |
|                              | LCH          | 256QAM    |              | 1             | 1             | 1              | 0                               | 18.5                             | 20.38                              | 22.55    | 0.091     | 1.000   | Pass  |
|                              |              |           |              | 12            | 6             | 8              | 0                               | 18.84                            | 20.49                              | 22.75    | 0.095     | 1.000   | Pass  |
|                              |              |           |              | MCH           | 12            | 6              | 8                               | 0                                | 18.92                              | 21       | 23.09     | 0.104   | 1.000 |
|                              |              |           | HCH          |               | 1             | 23             | 1                               | 24                               | 18.86                              | 21.09    | 23.13     | 0.105   | 1.000 |
| 12                           | 6            |           |              | 8             | 0             | 19.25          | 21.09                           | 23.28                            | 0.107                              | 1.000    | Pass      |         |       |
| 20MHz(LTE)<br>+<br>40MHz(NR) | LCH          |           | PI/2 BPSK    | 1             | 1             | 1              | 0                               | 20.22                            | 20.58                              | 23.41    | 0.106     | 1.000   | Pass  |
|                              |              |           |              | 108           | 54            | 18             | 0                               | 20.37                            | 20.76                              | 23.58    | 0.110     | 1.000   | Pass  |
|                              | MCH          |           |              | 108           | 54            | 18             | 0                               | 20.43                            | 20.99                              | 23.73    | 0.115     | 1.000   | Pass  |
|                              |              | HCH       |              | 1             | 214           | 1              | 99                              | 20.45                            | 21.27                              | 23.89    | 0.120     | 1.000   | Pass  |
|                              | 108          |           |              | 54            | 18            | 0              | 20.43                           | 21.2                             | 23.84                              | 0.119    | 1.000     | Pass    |       |
|                              | LCH          | QPSK      |              | 1             | 1             | 1              | 0                               | 20.15                            | 20.55                              | 23.36    | 0.105     | 1.000   | Pass  |
|                              |              |           |              | 108           | 54            | 18             | 0                               | 20.38                            | 20.68                              | 23.54    | 0.109     | 1.000   | Pass  |
|                              |              |           |              | MCH           | 108           | 54             | 18                              | 0                                | 20.37                              | 21.1     | 23.76     | 0.116   | 1.000 |
|                              |              |           | HCH          |               | 1             | 214            | 1                               | 99                               | 20.41                              | 21.09    | 23.77     | 0.116   | 1.000 |
|                              | 108          |           |              | 54            | 18            | 0              | 20.41                           | 21.03                            | 23.74                              | 0.115    | 1.000     | Pass    |       |
| LCH                          | 16QAM        |           | 1            | 1             | 1             | 0              | 20.23                           | 20.61                            | 23.43                              | 0.107    | 1.000     | Pass    |       |

|  |     |        |     |     |    |       |       |       |       |       |       |      |
|--|-----|--------|-----|-----|----|-------|-------|-------|-------|-------|-------|------|
|  |     |        | 108 | 54  | 18 | 0     | 20.44 | 20.68 | 23.57 | 0.110 | 1.000 | Pass |
|  | MCH |        | 108 | 54  | 18 | 0     | 20.32 | 21.11 | 23.74 | 0.116 | 1.000 | Pass |
|  | HCH |        | 1   | 214 | 1  | 99    | 20.57 | 21.04 | 23.82 | 0.117 | 1.000 | Pass |
|  |     | 108    | 54  | 18  | 0  | 20.39 | 21.14 | 23.79 | 0.117 | 1.000 | Pass  |      |
|  | LCH | 64QAM  | 1   | 1   | 1  | 0     | 20.14 | 20.64 | 23.41 | 0.106 | 1.000 | Pass |
|  |     |        | 108 | 54  | 18 | 0     | 20.36 | 20.73 | 23.56 | 0.110 | 1.000 | Pass |
|  | MCH | 64QAM  | 108 | 54  | 18 | 0     | 20.35 | 21.09 | 23.75 | 0.116 | 1.000 | Pass |
|  | HCH |        | 1   | 214 | 1  | 99    | 20.4  | 21.27 | 23.87 | 0.120 | 1.000 | Pass |
|  |     |        | 108 | 54  | 18 | 0     | 20.38 | 21.14 | 23.79 | 0.117 | 1.000 | Pass |
|  | LCH | 256QAM | 1   | 1   | 1  | 0     | 18.71 | 20.83 | 22.91 | 0.099 | 1.000 | Pass |
|  |     |        | 108 | 54  | 18 | 0     | 18.93 | 20.75 | 22.94 | 0.099 | 1.000 | Pass |
|  | MCH | 256QAM | 108 | 54  | 18 | 0     | 18.99 | 21.09 | 23.18 | 0.106 | 1.000 | Pass |
|  | HCH |        | 1   | 214 | 1  | 99    | 18.87 | 21.07 | 23.12 | 0.104 | 1.000 | Pass |
|  |     |        | 108 | 54  | 18 | 0     | 18.99 | 21.12 | 23.19 | 0.106 | 1.000 | Pass |

| Test BW                      | Test Channel | Test Mode | NR UL RB No. | NR UL RB Pos. | LTE UL RB No. | LTE UL RB Pos. | NR Conducted Output Power (dBm) | LTE Conducted Output Power (dBm) | Total Conducted Output Power (dBm) | EIRP (W) | Limit (W) | Verdict |       |
|------------------------------|--------------|-----------|--------------|---------------|---------------|----------------|---------------------------------|----------------------------------|------------------------------------|----------|-----------|---------|-------|
| DC_5A_n7A                    |              |           |              |               |               |                |                                 |                                  |                                    |          |           |         |       |
| 5MHz(LTE)<br>+<br>5MHz(NR)   | LCH          | PI/2 BPSK | 1            | 1             | 1             | 0              | 19.55                           | 20.39                            | 23                                 | 0.088    | 2.000     | Pass    |       |
|                              |              |           | 12           | 6             | 8             | 0              | 19.61                           | 20.39                            | 23.03                              | 0.089    | 2.000     | Pass    |       |
|                              | MCH          |           | 12           | 6             | 8             | 0              | 19.57                           | 20.52                            | 23.08                              | 0.089    | 2.000     | Pass    |       |
|                              | HCH          |           | 1            | 23            | 1             | 24             | 19.59                           | 20.61                            | 23.14                              | 0.090    | 2.000     | Pass    |       |
|                              |              |           | 12           | 6             | 8             | 0              | 19.6                            | 20.59                            | 23.13                              | 0.090    | 2.000     | Pass    |       |
|                              | LCH          |           | QPSK         | 1             | 1             | 1              | 0                               | 19.56                            | 20.49                              | 23.06    | 0.089     | 2.000   | Pass  |
|                              |              |           |              | 12            | 6             | 8              | 0                               | 19.63                            | 20.46                              | 23.08    | 0.090     | 2.000   | Pass  |
|                              |              |           |              | MCH           | 12            | 6              | 8                               | 0                                | 19.68                              | 20.48    | 23.11     | 0.091   | 2.000 |
|                              |              | HCH       |              | 1             | 23            | 1              | 24                              | 19.64                            | 20.74                              | 23.24    | 0.091     | 2.000   | Pass  |
|                              | 12           |           |              | 6             | 8             | 0              | 19.58                           | 20.58                            | 23.12                              | 0.089    | 2.000     | Pass    |       |
|                              | LCH          | 16QAM     |              | 1             | 1             | 1              | 0                               | 19.61                            | 20.68                              | 23.19    | 0.090     | 2.000   | Pass  |
|                              |              |           |              | 12            | 6             | 8              | 0                               | 19.65                            | 20.43                              | 23.07    | 0.090     | 2.000   | Pass  |
|                              |              |           |              | MCH           | 12            | 6              | 8                               | 0                                | 19.71                              | 20.44    | 23.1      | 0.091   | 2.000 |
|                              |              |           | HCH          | 1             | 23            | 1              | 24                              | 19.77                            | 20.6                               | 23.22    | 0.093     | 2.000   | Pass  |
|                              | 12           |           |              | 6             | 8             | 0              | 19.65                           | 20.55                            | 23.13                              | 0.091    | 2.000     | Pass    |       |
|                              | LCH          |           | 64QAM        | 1             | 1             | 1              | 0                               | 19.51                            | 20.36                              | 22.97    | 0.088     | 2.000   | Pass  |
|                              |              |           |              | 12            | 6             | 8              | 0                               | 19.75                            | 20.51                              | 23.16    | 0.092     | 2.000   | Pass  |
|                              |              |           |              | MCH           | 12            | 6              | 8                               | 0                                | 19.8                               | 20.52    | 23.19     | 0.093   | 2.000 |
|                              |              | HCH       |              | 1             | 23            | 1              | 24                              | 19.63                            | 20.39                              | 23.04    | 0.090     | 2.000   | Pass  |
|                              | 12           |           |              | 6             | 8             | 0              | 19.72                           | 20.54                            | 23.16                              | 0.092    | 2.000     | Pass    |       |
|                              | LCH          | 256QAM    |              | 1             | 1             | 1              | 0                               | 18.27                            | 20.49                              | 22.53    | 0.069     | 2.000   | Pass  |
|                              |              |           |              | 12            | 6             | 8              | 0                               | 18.75                            | 20.39                              | 22.66    | 0.076     | 2.000   | Pass  |
|                              |              |           |              | MCH           | 12            | 6              | 8                               | 0                                | 18.77                              | 20.52    | 22.74     | 0.076   | 2.000 |
|                              |              |           | HCH          | 1             | 23            | 1              | 24                              | 18.47                            | 20.46                              | 22.59    | 0.072     | 2.000   | Pass  |
| 12                           | 6            |           |              | 8             | 0             | 18.71          | 20.62                           | 22.78                            | 0.076                              | 2.000    | Pass      |         |       |
| 10MHz(LTE)<br>+<br>40MHz(NR) | LCH          |           | PI/2 BPSK    | 1             | 1             | 1              | 0                               | 19.56                            | 20.44                              | 23.03    | 0.089     | 2.000   | Pass  |
|                              |              |           |              | 108           | 54            | 12             | 0                               | 19.61                            | 20.58                              | 23.13    | 0.090     | 2.000   | Pass  |
|                              | MCH          |           |              | 108           | 54            | 12             | 0                               | 19.81                            | 20.47                              | 23.16    | 0.093     | 2.000   | Pass  |
|                              | HCH          | 1         |              | 214           | 1             | 49             | 19.96                           | 20.55                            | 23.28                              | 0.096    | 2.000     | Pass    |       |
|                              |              | 108       |              | 54            | 12            | 0              | 19.81                           | 20.56                            | 23.21                              | 0.093    | 2.000     | Pass    |       |
|                              | LCH          | QPSK      |              | 1             | 1             | 1              | 0                               | 19.62                            | 20.67                              | 23.19    | 0.090     | 2.000   | Pass  |
|                              |              |           |              | 108           | 54            | 12             | 0                               | 19.66                            | 20.42                              | 23.07    | 0.090     | 2.000   | Pass  |
|                              | MCH          |           |              | 108           | 54            | 12             | 0                               | 19.79                            | 20.41                              | 23.12    | 0.093     | 2.000   | Pass  |
|                              | HCH          |           | 1            | 214           | 1             | 49             | 19.75                           | 20.44                            | 23.12                              | 0.092    | 2.000     | Pass    |       |
|                              |              |           | 108          | 54            | 12            | 0              | 19.84                           | 20.51                            | 23.2                               | 0.094    | 2.000     | Pass    |       |
| LCH                          | 16QAM        |           | 1            | 1             | 1             | 0              | 19.76                           | 20.44                            | 23.12                              | 0.092    | 2.000     | Pass    |       |



|  |     |       |        |     |     |    |       |       |       |       |       |       |       |
|--|-----|-------|--------|-----|-----|----|-------|-------|-------|-------|-------|-------|-------|
|  |     |       | 108    | 54  | 12  | 0  | 19.69 | 20.49 | 23.12 | 0.091 | 2.000 | Pass  |       |
|  | MCH |       | 108    | 54  | 12  | 0  | 19.75 | 20.51 | 23.16 | 0.092 | 2.000 | Pass  |       |
|  | HCH |       | 1      | 214 | 1   | 49 | 19.86 | 20.59 | 23.25 | 0.094 | 2.000 | Pass  |       |
|  |     |       | 108    | 54  | 12  | 0  | 19.78 | 20.6  | 23.22 | 0.093 | 2.000 | Pass  |       |
|  | LCH | 64QAM | 1      | 1   | 1   | 0  | 19.6  | 20.61 | 23.14 | 0.090 | 2.000 | Pass  |       |
|  |     |       |        | 108 | 54  | 12 | 0     | 19.75 | 20.55 | 23.18 | 0.092 | 2.000 | Pass  |
|  | MCH |       | 108    | 54  | 12  | 0  | 19.7  | 20.47 | 23.11 | 0.091 | 2.000 | Pass  |       |
|  | HCH |       | 1      | 214 | 1   | 49 | 19.76 | 20.55 | 23.18 | 0.093 | 2.000 | Pass  |       |
|  |     |       |        | 108 | 54  | 12 | 0     | 19.83 | 20.6  | 23.24 | 0.094 | 2.000 | Pass  |
|  | LCH |       | 256QAM | 1   | 1   | 1  | 0     | 18.49 | 20.35 | 22.53 | 0.072 | 2.000 | Pass  |
|  |     |       |        |     | 108 | 54 | 12    | 0     | 18.78 | 20.5  | 22.73 | 0.076 | 2.000 |
|  | MCH |       |        | 108 | 54  | 12 | 0     | 18.83 | 20.49 | 22.75 | 0.077 | 2.000 | Pass  |
|  | HCH | 1     |        | 214 | 1   | 49 | 18.59 | 20.52 | 22.67 | 0.074 | 2.000 | Pass  |       |
|  |     |       |        | 108 | 54  | 12 | 0     | 18.85 | 20.6  | 22.82 | 0.078 | 2.000 | Pass  |

| Test BW                    | Test Channel                 | Test Mode | NR UL RB No. | NR UL RB Pos. | LTE UL RB No. | LTE UL RB Pos. | NR Conducted Output Power (dBm) | LTE Conducted Output Power (dBm) | Total Conducted Output Power (dBm) | EIRP (W) | Limit (W) | Verdict |       |      |
|----------------------------|------------------------------|-----------|--------------|---------------|---------------|----------------|---------------------------------|----------------------------------|------------------------------------|----------|-----------|---------|-------|------|
| DC_5A_n66A                 |                              |           |              |               |               |                |                                 |                                  |                                    |          |           |         |       |      |
| 5MHz(LTE)<br>+<br>5MHz(NR) | LCH                          | PI/2 BPSK | 1            | 1             | 1             | 0              | 20.27                           | 20.35                            | 23.32                              | 0.051    | 1.000     | Pass    |       |      |
|                            |                              |           | 12           | 6             | 8             | 0              | 20.28                           | 20.38                            | 23.34                              | 0.051    | 1.000     | Pass    |       |      |
|                            | MCH                          |           | 12           | 6             | 8             | 0              | 20.36                           | 20.34                            | 23.36                              | 0.052    | 1.000     | Pass    |       |      |
|                            |                              |           | HCH          | 1             | 23            | 1              | 24                              | 20.74                            | 20.56                              | 23.66    | 0.056     | 1.000   | Pass  |      |
|                            | 12                           |           |              | 6             | 8             | 0              | 20.73                           | 20.46                            | 23.61                              | 0.055    | 1.000     | Pass    |       |      |
|                            | LCH                          |           | QPSK         | 1             | 1             | 1              | 0                               | 20.33                            | 20.51                              | 23.43    | 0.052     | 1.000   | Pass  |      |
|                            |                              |           |              | 12            | 6             | 8              | 0                               | 20.25                            | 20.3                               | 23.29    | 0.051     | 1.000   | Pass  |      |
|                            |                              |           |              | MCH           | 12            | 6              | 8                               | 0                                | 20.4                               | 20.34    | 23.38     | 0.052   | 1.000 | Pass |
|                            |                              | HCH       |              |               | 1             | 23             | 1                               | 24                               | 20.63                              | 20.44    | 23.55     | 0.054   | 1.000 | Pass |
|                            | 12                           |           |              | 6             | 8             | 0              | 20.57                           | 20.49                            | 23.54                              | 0.054    | 1.000     | Pass    |       |      |
|                            | LCH                          | 16QAM     |              | 1             | 1             | 1              | 0                               | 20.44                            | 20.28                              | 23.37    | 0.052     | 1.000   | Pass  |      |
|                            |                              |           |              | 12            | 6             | 8              | 0                               | 20.32                            | 20.36                              | 23.35    | 0.051     | 1.000   | Pass  |      |
|                            |                              |           |              | MCH           | 12            | 6              | 8                               | 0                                | 20.45                              | 20.39    | 23.43     | 0.053   | 1.000 | Pass |
|                            |                              |           | HCH          |               | 1             | 23             | 1                               | 24                               | 20.79                              | 20.46    | 23.64     | 0.056   | 1.000 | Pass |
|                            | 12                           |           |              | 6             | 8             | 0              | 20.61                           | 20.49                            | 23.56                              | 0.054    | 1.000     | Pass    |       |      |
|                            | LCH                          |           | 64QAM        | 1             | 1             | 1              | 0                               | 20.19                            | 20.4                               | 23.31    | 0.050     | 1.000   | Pass  |      |
|                            |                              |           |              | 12            | 6             | 8              | 0                               | 20.37                            | 20.37                              | 23.38    | 0.052     | 1.000   | Pass  |      |
|                            |                              |           |              | MCH           | 12            | 6              | 8                               | 0                                | 20.45                              | 20.26    | 23.37     | 0.052   | 1.000 | Pass |
|                            |                              | HCH       |              |               | 1             | 23             | 1                               | 24                               | 20.64                              | 20.56    | 23.61     | 0.055   | 1.000 | Pass |
|                            | 12                           |           |              | 6             | 8             | 0              | 20.78                           | 20.56                            | 23.68                              | 0.056    | 1.000     | Pass    |       |      |
|                            | LCH                          | 256QAM    |              | 1             | 1             | 1              | 0                               | 18.54                            | 20.28                              | 22.51    | 0.038     | 1.000   | Pass  |      |
|                            |                              |           |              | 12            | 6             | 8              | 0                               | 18.8                             | 20.32                              | 22.64    | 0.040     | 1.000   | Pass  |      |
|                            |                              |           |              | MCH           | 12            | 6              | 8                               | 0                                | 19                                 | 20.31    | 22.71     | 0.041   | 1.000 | Pass |
|                            |                              |           | HCH          |               | 1             | 23             | 1                               | 24                               | 18.96                              | 20.49    | 22.8      | 0.042   | 1.000 | Pass |
|                            | 12                           |           |              | 6             | 8             | 0              | 19.22                           | 20.5                             | 22.92                              | 0.043    | 1.000     | Pass    |       |      |
|                            | 10MHz(LTE)<br>+<br>40MHz(NR) |           | LCH          | PI/2 BPSK     | 1             | 1              | 1                               | 0                                | 20.31                              | 20.46    | 23.4      | 0.052   | 1.000 | Pass |
|                            |                              |           |              |               | 108           | 54             | 12                              | 0                                | 20.44                              | 20.31    | 23.39     | 0.052   | 1.000 | Pass |
|                            |                              |           | MCH          |               | 108           | 54             | 12                              | 0                                | 20.46                              | 20.39    | 23.44     | 0.053   | 1.000 | Pass |
| HCH                        |                              | 1         |              |               | 214           | 1              | 49                              | 20.57                            | 20.5                               | 23.55    | 0.054     | 1.000   | Pass  |      |
|                            |                              | 108       | 54           |               | 12            | 0              | 20.55                           | 20.52                            | 23.55                              | 0.054    | 1.000     | Pass    |       |      |
| LCH                        |                              | QPSK      | 1            |               | 1             | 1              | 0                               | 20.35                            | 20.45                              | 23.41    | 0.052     | 1.000   | Pass  |      |
|                            |                              |           | 108          |               | 54            | 12             | 0                               | 20.47                            | 20.27                              | 23.38    | 0.052     | 1.000   | Pass  |      |
|                            |                              |           | MCH          |               | 108           | 54             | 12                              | 0                                | 20.51                              | 20.31    | 23.42     | 0.053   | 1.000 | Pass |
|                            |                              |           |              | HCH           | 1             | 214            | 1                               | 49                               | 20.64                              | 20.38    | 23.52     | 0.054   | 1.000 | Pass |
| 108                        |                              |           | 54           |               | 12            | 0              | 20.62                           | 20.46                            | 23.55                              | 0.054    | 1.000     | Pass    |       |      |
| LCH                        |                              |           | 16QAM        | 1             | 1             | 1              | 0                               | 20.38                            | 20.41                              | 23.41    | 0.052     | 1.000   | Pass  |      |

|  |     |        |     |     |    |       |       |       |       |       |       |      |
|--|-----|--------|-----|-----|----|-------|-------|-------|-------|-------|-------|------|
|  |     |        | 108 | 54  | 12 | 0     | 20.4  | 20.33 | 23.38 | 0.052 | 1.000 | Pass |
|  | MCH |        | 108 | 54  | 12 | 0     | 20.51 | 20.48 | 23.51 | 0.053 | 1.000 | Pass |
|  | HCH |        | 1   | 214 | 1  | 49    | 20.78 | 20.51 | 23.66 | 0.056 | 1.000 | Pass |
|  |     | 108    | 54  | 12  | 0  | 20.55 | 20.53 | 23.55 | 0.054 | 1.000 | Pass  |      |
|  | LCH | 64QAM  | 1   | 1   | 1  | 0     | 20.17 | 20.53 | 23.36 | 0.051 | 1.000 | Pass |
|  |     |        | 108 | 54  | 12 | 0     | 20.44 | 20.36 | 23.41 | 0.052 | 1.000 | Pass |
|  | MCH | 64QAM  | 108 | 54  | 12 | 0     | 20.5  | 20.37 | 23.45 | 0.053 | 1.000 | Pass |
|  | HCH |        | 1   | 214 | 1  | 49    | 20.51 | 20.42 | 23.48 | 0.053 | 1.000 | Pass |
|  |     |        | 108 | 54  | 12 | 0     | 20.59 | 20.42 | 23.52 | 0.054 | 1.000 | Pass |
|  | LCH | 256QAM | 1   | 1   | 1  | 0     | 18.8  | 20.61 | 22.81 | 0.041 | 1.000 | Pass |
|  |     |        | 108 | 54  | 12 | 0     | 19.05 | 20.32 | 22.74 | 0.042 | 1.000 | Pass |
|  | MCH | 256QAM | 108 | 54  | 12 | 0     | 19.09 | 20.34 | 22.77 | 0.042 | 1.000 | Pass |
|  | HCH |        | 1   | 214 | 1  | 49    | 19.03 | 20.39 | 22.77 | 0.042 | 1.000 | Pass |
|  |     |        | 108 | 54  | 12 | 0     | 19.12 | 20.41 | 22.82 | 0.042 | 1.000 | Pass |

| Test BW                      | Test Channel | Test Mode | NR UL RB No. | NR UL RB Pos. | LTE UL RB No. | LTE UL RB Pos. | NR Conducted Output Power (dBm) | LTE Conducted Output Power (dBm) | Total Conducted Output Power (dBm) | EIRP (W) | Limit (W) | Verdict |       |
|------------------------------|--------------|-----------|--------------|---------------|---------------|----------------|---------------------------------|----------------------------------|------------------------------------|----------|-----------|---------|-------|
| DC_7A_n5A                    |              |           |              |               |               |                |                                 |                                  |                                    |          |           |         |       |
| 5MHz(LTE)<br>+<br>5MHz(NR)   | LCH          | PI/2 BPSK | 1            | 1             | 1             | 0              | 19.92                           | 20.22                            | 23.08                              | 0.099    | 2.000     | Pass    |       |
|                              |              |           | 12           | 6             | 8             | 0              | 19.9                            | 20.25                            | 23.09                              | 0.100    | 2.000     | Pass    |       |
|                              | MCH          |           | 12           | 6             | 8             | 0              | 19.86                           | 20.42                            | 23.16                              | 0.103    | 2.000     | Pass    |       |
|                              |              |           | HCH          | 1             | 23            | 1              | 24                              | 19.89                            | 20.57                              | 23.25    | 0.107     | 2.000   | Pass  |
|                              | 12           |           |              | 6             | 8             | 0              | 19.85                           | 20.51                            | 23.2                               | 0.105    | 2.000     | Pass    |       |
|                              | LCH          |           | QPSK         | 1             | 1             | 1              | 0                               | 20                               | 20.26                              | 23.14    | 0.100     | 2.000   | Pass  |
|                              |              |           |              | 12            | 6             | 8              | 0                               | 19.98                            | 20.25                              | 23.13    | 0.100     | 2.000   | Pass  |
|                              |              |           |              | MCH           | 12            | 6              | 8                               | 0                                | 19.93                              | 20.35    | 23.16     | 0.102   | 2.000 |
|                              |              | HCH       |              |               | 1             | 23             | 1                               | 24                               | 19.87                              | 20.59    | 23.26     | 0.107   | 2.000 |
|                              | 12           |           |              | 6             | 8             | 0              | 19.96                           | 20.44                            | 23.22                              | 0.104    | 2.000     | Pass    |       |
|                              | LCH          | 16QAM     |              | 1             | 1             | 1              | 0                               | 20.07                            | 20.17                              | 23.13    | 0.099     | 2.000   | Pass  |
|                              |              |           |              | 12            | 6             | 8              | 0                               | 19.91                            | 20.22                              | 23.08    | 0.099     | 2.000   | Pass  |
|                              |              |           |              | MCH           | 12            | 6              | 8                               | 0                                | 20.01                              | 20.4     | 23.22     | 0.103   | 2.000 |
|                              |              |           | HCH          |               | 1             | 23             | 1                               | 24                               | 20.01                              | 20.59    | 23.32     | 0.107   | 2.000 |
|                              | 12           |           |              | 6             | 8             | 0              | 19.95                           | 20.54                            | 23.27                              | 0.106    | 2.000     | Pass    |       |
|                              | LCH          |           | 64QAM        | 1             | 1             | 1              | 0                               | 19.89                            | 20.21                              | 23.06    | 0.099     | 2.000   | Pass  |
|                              |              |           |              | 12            | 6             | 8              | 0                               | 20.03                            | 20.15                              | 23.1     | 0.098     | 2.000   | Pass  |
|                              |              |           |              | MCH           | 12            | 6              | 8                               | 0                                | 20.08                              | 20.35    | 23.23     | 0.103   | 2.000 |
|                              |              | HCH       |              |               | 1             | 23             | 1                               | 24                               | 19.94                              | 20.55    | 23.27     | 0.106   | 2.000 |
|                              | 12           |           |              | 6             | 8             | 0              | 20.12                           | 20.52                            | 23.33                              | 0.106    | 2.000     | Pass    |       |
|                              | LCH          | 256QAM    |              | 1             | 1             | 1              | 0                               | 19.57                            | 20.24                              | 22.93    | 0.099     | 2.000   | Pass  |
|                              |              |           |              | 12            | 6             | 8              | 0                               | 19.87                            | 20.23                              | 23.06    | 0.100     | 2.000   | Pass  |
|                              |              |           |              | MCH           | 12            | 6              | 8                               | 0                                | 19.91                              | 20.26    | 23.1      | 0.100   | 2.000 |
|                              |              |           | HCH          |               | 1             | 23             | 1                               | 24                               | 19.63                              | 20.44    | 23.06     | 0.103   | 2.000 |
| 12                           | 6            |           |              | 8             | 0             | 19.94          | 20.49                           | 23.23                            | 0.105                              | 2.000    | Pass      |         |       |
| 20MHz(LTE)<br>+<br>20MHz(NR) | LCH          |           | PI/2 BPSK    | 1             | 1             | 1              | 0                               | 19.98                            | 20.15                              | 23.08    | 0.098     | 2.000   | Pass  |
|                              |              |           |              | 50            | 25            | 18             | 0                               | 20.13                            | 20.2                               | 23.18    | 0.100     | 2.000   | Pass  |
|                              | MCH          |           |              | 50            | 25            | 18             | 0                               | 20.11                            | 20.23                              | 23.18    | 0.100     | 2.000   | Pass  |
|                              |              | HCH       |              | 1             | 104           | 1              | 99                              | 19.92                            | 20.2                               | 23.07    | 0.099     | 2.000   | Pass  |
|                              | 50           |           |              | 25            | 18            | 0              | 19.96                           | 20.42                            | 23.21                              | 0.104    | 2.000     | Pass    |       |
|                              | LCH          | QPSK      |              | 1             | 1             | 1              | 0                               | 19.99                            | 20.22                              | 23.12    | 0.100     | 2.000   | Pass  |
|                              |              |           |              | 50            | 25            | 18             | 0                               | 20.14                            | 20.15                              | 23.16    | 0.099     | 2.000   | Pass  |
|                              |              |           |              | MCH           | 50            | 25             | 18                              | 0                                | 20.05                              | 20.29    | 23.18     | 0.101   | 2.000 |
|                              |              |           | HCH          |               | 1             | 104            | 1                               | 99                               | 19.94                              | 20.18    | 23.07     | 0.099   | 2.000 |
|                              | 50           |           |              | 25            | 18            | 0              | 20.09                           | 20.4                             | 23.26                              | 0.104    | 2.000     | Pass    |       |
| LCH                          | 16QAM        |           | 1            | 1             | 1             | 0              | 20.14                           | 20.25                            | 23.21                              | 0.101    | 2.000     | Pass    |       |

|  |     |        |    |     |    |    |       |       |       |       |       |      |
|--|-----|--------|----|-----|----|----|-------|-------|-------|-------|-------|------|
|  |     |        | 50 | 25  | 18 | 0  | 20.14 | 20.24 | 23.2  | 0.100 | 2.000 | Pass |
|  | MCH |        | 50 | 25  | 18 | 0  | 20.17 | 20.27 | 23.23 | 0.101 | 2.000 | Pass |
|  | HCH |        | 1  | 104 | 1  | 99 | 20.05 | 20.29 | 23.18 | 0.101 | 2.000 | Pass |
|  |     |        | 50 | 25  | 18 | 0  | 20.09 | 20.36 | 23.24 | 0.103 | 2.000 | Pass |
|  | LCH | 64QAM  | 1  | 1   | 1  | 0  | 20    | 20.22 | 23.12 | 0.100 | 2.000 | Pass |
|  |     |        | 50 | 25  | 18 | 0  | 20.16 | 20.19 | 23.19 | 0.100 | 2.000 | Pass |
|  | MCH |        | 50 | 25  | 18 | 0  | 20.16 | 20.24 | 23.21 | 0.101 | 2.000 | Pass |
|  | HCH |        | 1  | 104 | 1  | 99 | 19.86 | 20.41 | 23.15 | 0.103 | 2.000 | Pass |
|  |     |        | 50 | 25  | 18 | 0  | 20.13 | 20.35 | 23.25 | 0.103 | 2.000 | Pass |
|  | LCH | 256QAM | 1  | 1   | 1  | 0  | 19.38 | 20.17 | 22.8  | 0.097 | 2.000 | Pass |
|  |     |        | 50 | 25  | 18 | 0  | 20.03 | 20.18 | 23.12 | 0.099 | 2.000 | Pass |
|  | MCH |        | 50 | 25  | 18 | 0  | 20.11 | 20.23 | 23.18 | 0.100 | 2.000 | Pass |
|  | HCH |        | 1  | 104 | 1  | 99 | 19.21 | 20.2  | 22.74 | 0.097 | 2.000 | Pass |
|  |     |        | 50 | 25  | 18 | 0  | 19.98 | 20.35 | 23.18 | 0.102 | 2.000 | Pass |

| Test BW                      | Test Channel | Test Mode | NR UL RB No. | NR UL RB Pos. | LTE UL RB No. | LTE UL RB Pos. | NR Conducted Output Power (dBm) | LTE Conducted Output Power (dBm) | Total Conducted Output Power (dBm) | EIRP (W) | Limit (W) | Verdict |      |
|------------------------------|--------------|-----------|--------------|---------------|---------------|----------------|---------------------------------|----------------------------------|------------------------------------|----------|-----------|---------|------|
| DC_7A_n66A                   |              |           |              |               |               |                |                                 |                                  |                                    |          |           |         |      |
| 5MHz(LTE)<br>+<br>5MHz(NR)   | LCH          | PI/2 BPSK | 1            | 1             | 1             | 0              | 20.17                           | 21.04                            | 23.64                              | 0.143    | 1.000     | Pass    |      |
|                              |              |           | 12           | 6             | 8             | 0              | 20.29                           | 20.05                            | 23.18                              | 0.122    | 1.000     | Pass    |      |
|                              | MCH          |           | 12           | 6             | 8             | 0              | 20.26                           | 20.87                            | 23.59                              | 0.139    | 1.000     | Pass    |      |
|                              | HCH          |           | 1            | 23            | 1             | 24             | 20.64                           | 20.98                            | 23.82                              | 0.145    | 1.000     | Pass    |      |
|                              |              | 12        | 6            | 8             | 0             | 20.53          | 21.04                           | 23.8                             | 0.146                              | 1.000    | Pass      |         |      |
|                              | LCH          | QPSK      | 1            | 1             | 1             | 0              | 20.31                           | 20.22                            | 23.28                              | 0.126    | 1.000     | Pass    |      |
|                              |              |           | 12           | 6             | 8             | 0              | 20.3                            | 20.03                            | 23.18                              | 0.122    | 1.000     | Pass    |      |
|                              |              |           | MCH          | 12            | 6             | 8              | 0                               | 20.28                            | 20.05                              | 23.18    | 0.122     | 1.000   | Pass |
|                              |              |           | HCH          | 1             | 23            | 1              | 24                              | 20.47                            | 19.97                              | 23.24    | 0.122     | 1.000   | Pass |
|                              | 12           | 6         |              | 8             | 0             | 20.61          | 20.91                           | 23.77                            | 0.143                              | 1.000    | Pass      |         |      |
|                              | LCH          | 16QAM     | 1            | 1             | 1             | 0              | 20.38                           | 20.93                            | 23.67                              | 0.142    | 1.000     | Pass    |      |
|                              |              |           | 12           | 6             | 8             | 0              | 20.36                           | 19.99                            | 23.19                              | 0.122    | 1.000     | Pass    |      |
|                              |              |           | MCH          | 12            | 6             | 8              | 0                               | 20.24                            | 20.85                              | 23.57    | 0.139     | 1.000   | Pass |
|                              |              |           | HCH          | 1             | 23            | 1              | 24                              | 20.72                            | 20.81                              | 23.78    | 0.142     | 1.000   | Pass |
|                              | 12           | 6         |              | 8             | 0             | 20.65          | 20.96                           | 23.82                            | 0.145                              | 1.000    | Pass      |         |      |
|                              | LCH          | 64QAM     | 1            | 1             | 1             | 0              | 20.21                           | 19.95                            | 23.09                              | 0.119    | 1.000     | Pass    |      |
|                              |              |           | 12           | 6             | 8             | 0              | 20.55                           | 20.14                            | 23.36                              | 0.126    | 1.000     | Pass    |      |
|                              |              |           | MCH          | 12            | 6             | 8              | 0                               | 20.34                            | 21                                 | 23.69    | 0.143     | 1.000   | Pass |
|                              |              |           | HCH          | 1             | 23            | 1              | 24                              | 20.63                            | 20.87                              | 23.76    | 0.143     | 1.000   | Pass |
|                              | 12           | 6         |              | 8             | 0             | 20.72          | 19.95                           | 23.36                            | 0.124                              | 1.000    | Pass      |         |      |
|                              | LCH          | 256QAM    | 1            | 1             | 1             | 0              | 18.56                           | 20                               | 22.35                              | 0.109    | 1.000     | Pass    |      |
|                              |              |           | 12           | 6             | 8             | 0              | 18.9                            | 20.03                            | 22.51                              | 0.111    | 1.000     | Pass    |      |
|                              |              |           | MCH          | 12            | 6             | 8              | 0                               | 18.91                            | 20.84                              | 22.99    | 0.129     | 1.000   | Pass |
|                              |              |           | HCH          | 1             | 23            | 1              | 24                              | 18.82                            | 20.04                              | 22.48    | 0.111     | 1.000   | Pass |
| 12                           | 6            | 8         |              | 0             | 19.21         | 19.98          | 22.62                           | 0.112                            | 1.000                              | Pass     |           |         |      |
| 20MHz(LTE)<br>+<br>40MHz(NR) | LCH          | PI/2 BPSK | 1            | 1             | 1             | 0              | 20.29                           | 21.14                            | 23.75                              | 0.146    | 1.000     | Pass    |      |
|                              |              |           | 108          | 54            | 18            | 0              | 20.46                           | 20.92                            | 23.71                              | 0.142    | 1.000     | Pass    |      |
|                              | MCH          |           | 108          | 54            | 18            | 0              | 20.35                           | 20.89                            | 23.64                              | 0.141    | 1.000     | Pass    |      |
|                              | HCH          |           | 1            | 214           | 1             | 99             | 20.43                           | 20.62                            | 23.54                              | 0.135    | 1.000     | Pass    |      |
|                              |              | 108       | 54           | 18            | 0             | 20.33          | 20.66                           | 23.51                            | 0.135                              | 1.000    | Pass      |         |      |
|                              | LCH          | QPSK      | 1            | 1             | 1             | 0              | 20.07                           | 20.85                            | 23.49                              | 0.137    | 1.000     | Pass    |      |
|                              |              |           | 108          | 54            | 18            | 0              | 20.39                           | 20.92                            | 23.67                              | 0.142    | 1.000     | Pass    |      |
|                              | MCH          |           | 108          | 54            | 18            | 0              | 20.36                           | 20.77                            | 23.58                              | 0.138    | 1.000     | Pass    |      |
|                              | HCH          |           | 1            | 214           | 1             | 99             | 20.42                           | 20.65                            | 23.55                              | 0.136    | 1.000     | Pass    |      |
|                              |              | 108       | 54           | 18            | 0             | 20.46          | 20.68                           | 23.58                            | 0.137                              | 1.000    | Pass      |         |      |
| LCH                          | 16QAM        | 1         | 1            | 1             | 0             | 20.27          | 20.9                            | 23.61                            | 0.140                              | 1.000    | Pass      |         |      |

|  |     |        |     |     |    |    |       |       |       |       |       |      |
|--|-----|--------|-----|-----|----|----|-------|-------|-------|-------|-------|------|
|  |     |        | 108 | 54  | 18 | 0  | 20.42 | 20.94 | 23.7  | 0.142 | 1.000 | Pass |
|  | MCH |        | 108 | 54  | 18 | 0  | 20.33 | 20.71 | 23.53 | 0.136 | 1.000 | Pass |
|  | HCH |        | 1   | 214 | 1  | 99 | 20.61 | 20.73 | 23.68 | 0.139 | 1.000 | Pass |
|  |     |        | 108 | 54  | 18 | 0  | 20.45 | 20.78 | 23.63 | 0.139 | 1.000 | Pass |
|  | LCH | 64QAM  | 1   | 1   | 1  | 0  | 20.1  | 20.75 | 23.45 | 0.135 | 1.000 | Pass |
|  |     |        | 108 | 54  | 18 | 0  | 20.42 | 20.83 | 23.64 | 0.140 | 1.000 | Pass |
|  | MCH |        | 108 | 54  | 18 | 0  | 20.4  | 20.8  | 23.61 | 0.139 | 1.000 | Pass |
|  | HCH |        | 1   | 214 | 1  | 99 | 20.45 | 20.54 | 23.51 | 0.134 | 1.000 | Pass |
|  |     |        | 108 | 54  | 18 | 0  | 20.39 | 20.61 | 23.51 | 0.135 | 1.000 | Pass |
|  | LCH | 256QAM | 1   | 1   | 1  | 0  | 18.72 | 20.94 | 22.98 | 0.130 | 1.000 | Pass |
|  |     |        | 108 | 54  | 18 | 0  | 19    | 20.92 | 23.08 | 0.131 | 1.000 | Pass |
|  | MCH |        | 108 | 54  | 18 | 0  | 18.95 | 20.76 | 22.96 | 0.127 | 1.000 | Pass |
|  | HCH |        | 1   | 214 | 1  | 99 | 18.94 | 20.68 | 22.91 | 0.125 | 1.000 | Pass |
|  |     |        | 108 | 54  | 18 | 0  | 19.07 | 20.78 | 23.02 | 0.128 | 1.000 | Pass |

| Test BW                       | Test Channel | Test Mode | NR UL RB No. | NR UL RB Pos. | LTE UL RB No. | LTE UL RB Pos. | NR Conducted Output Power (dBm) | LTE Conducted Output Power (dBm) | Total Conducted Output Power (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------------------|--------------|-----------|--------------|---------------|---------------|----------------|---------------------------------|----------------------------------|------------------------------------|----------|-----------|---------|
| DC_26A_n41A                   |              |           |              |               |               |                |                                 |                                  |                                    |          |           |         |
| 5MHz(LTE)<br>+<br>20MHz(NR)   | LCH          | PI/2 BPSK | 1            | 1             | 1             | 0              | 19.67                           | 23.39                            | 24.93                              | 0.100    | 2.000     | Pass    |
|                               |              |           | 25           | 12            | 8             | 0              | 19.82                           | 23.57                            | 25.10                              | 0.104    | 2.000     | Pass    |
|                               | MCH          |           | 25           | 12            | 8             | 0              | 20.09                           | 23.52                            | 25.15                              | 0.108    | 2.000     | Pass    |
|                               | HCH          |           | 1            | 49            | 1             | 24             | 19.99                           | 23.38                            | 25.02                              | 0.106    | 2.000     | Pass    |
|                               |              | 25        | 12           | 8             | 0             | 20.05          | 23.58                           | 25.17                            | 0.108                              | 2.000    | Pass      |         |
|                               | LCH          | QPSK      | 1            | 1             | 1             | 0              | 19.57                           | 23.66                            | 25.09                              | 0.100    | 2.000     | Pass    |
|                               |              |           | 25           | 12            | 8             | 0              | 19.71                           | 23.55                            | 25.05                              | 0.102    | 2.000     | Pass    |
|                               | MCH          |           | 25           | 12            | 8             | 0              | 20.1                            | 23.61                            | 25.21                              | 0.109    | 2.000     | Pass    |
|                               | HCH          |           | 1            | 49            | 1             | 24             | 19.98                           | 23.73                            | 25.26                              | 0.108    | 2.000     | Pass    |
|                               |              | 25        | 12           | 8             | 0             | 19.95          | 23.62                           | 25.17                            | 0.107                              | 2.000    | Pass      |         |
|                               | LCH          | 16QAM     | 1            | 1             | 1             | 0              | 19.45                           | 23.36                            | 24.84                              | 0.096    | 2.000     | Pass    |
|                               |              |           | 25           | 12            | 8             | 0              | 19.76                           | 23.52                            | 25.05                              | 0.103    | 2.000     | Pass    |
|                               | MCH          |           | 25           | 12            | 8             | 0              | 20.18                           | 23.5                             | 25.16                              | 0.110    | 2.000     | Pass    |
|                               | HCH          |           | 1            | 49            | 1             | 24             | 19.85                           | 23.52                            | 25.07                              | 0.104    | 2.000     | Pass    |
|                               |              | 25        | 12           | 8             | 0             | 20.04          | 23.54                           | 25.14                            | 0.108                              | 2.000    | Pass      |         |
|                               | LCH          | 64QAM     | 1            | 1             | 1             | 0              | 19.74                           | 23.38                            | 24.94                              | 0.101    | 2.000     | Pass    |
|                               |              |           | 25           | 12            | 8             | 0              | 19.71                           | 23.53                            | 25.04                              | 0.102    | 2.000     | Pass    |
|                               | MCH          |           | 25           | 12            | 8             | 0              | 20.17                           | 23.51                            | 25.16                              | 0.110    | 2.000     | Pass    |
|                               | HCH          |           | 1            | 49            | 1             | 24             | 20.13                           | 23.54                            | 25.17                              | 0.109    | 2.000     | Pass    |
|                               |              | 25        | 12           | 8             | 0             | 20             | 23.54                           | 25.13                            | 0.107                              | 2.000    | Pass      |         |
|                               | LCH          | 256QAM    | 1            | 1             | 1             | 0              | 19.71                           | 23.46                            | 24.99                              | 0.101    | 2.000     | Pass    |
|                               |              |           | 25           | 12            | 8             | 0              | 19.71                           | 23.53                            | 25.04                              | 0.102    | 2.000     | Pass    |
|                               | MCH          |           | 25           | 12            | 8             | 0              | 20.1                            | 23.47                            | 25.11                              | 0.108    | 2.000     | Pass    |
|                               | HCH          |           | 1            | 49            | 1             | 24             | 20.13                           | 23.48                            | 25.13                              | 0.109    | 2.000     | Pass    |
| 25                            |              | 12        | 8            | 0             | 19.89         | 23.63          | 25.16                           | 0.106                            | 2.000                              | Pass     |           |         |
| 15MHz(LTE)<br>+<br>100MHz(NR) | LCH          | PI/2 BPSK | 1            | 1             | 1             | 0              | 19.46                           | 23.28                            | 24.79                              | 0.096    | 2.000     | Pass    |
|                               |              |           | 135          | 67            | 16            | 0              | 19.57                           | 23.39                            | 24.90                              | 0.098    | 2.000     | Pass    |
|                               | MCH          |           | 135          | 67            | 16            | 0              | 19.95                           | 23.31                            | 24.96                              | 0.105    | 2.000     | Pass    |
|                               | HCH          |           | 1            | 271           | 1             | 74             | 19.79                           | 23.42                            | 24.98                              | 0.102    | 2.000     | Pass    |
|                               |              | 135       | 67           | 16            | 0             | 19.86          | 23.38                           | 24.98                            | 0.103                              | 2.000    | Pass      |         |
|                               | LCH          | QPSK      | 1            | 1             | 1             | 0              | 19.28                           | 23.31                            | 24.76                              | 0.093    | 2.000     | Pass    |
|                               |              |           | 135          | 67            | 16            | 0              | 19.59                           | 23.4                             | 24.91                              | 0.099    | 2.000     | Pass    |
|                               | MCH          |           | 135          | 67            | 16            | 0              | 19.89                           | 23.44                            | 25.03                              | 0.104    | 2.000     | Pass    |
|                               | HCH          |           | 1            | 271           | 1             | 74             | 19.69                           | 23.3                             | 24.87                              | 0.100    | 2.000     | Pass    |
|                               |              | 135       | 67           | 16            | 0             | 19.82          | 23.44                           | 25.01                            | 0.103                              | 2.000    | Pass      |         |
| LCH                           | 16QAM        | 1         | 1            | 1             | 0             | 19.33          | 23.32                           | 24.78                            | 0.094                              | 2.000    | Pass      |         |



|  |     |        |     |     |    |    |       |       |       |       |       |      |
|--|-----|--------|-----|-----|----|----|-------|-------|-------|-------|-------|------|
|  |     |        | 135 | 67  | 16 | 0  | 19.59 | 23.48 | 24.97 | 0.099 | 2.000 | Pass |
|  | MCH |        | 135 | 67  | 16 | 0  | 19.82 | 23.34 | 24.94 | 0.102 | 2.000 | Pass |
|  | HCH |        | 1   | 271 | 1  | 74 | 19.61 | 23.2  | 24.78 | 0.098 | 2.000 | Pass |
|  |     |        | 135 | 67  | 16 | 0  | 19.88 | 23.54 | 25.09 | 0.105 | 2.000 | Pass |
|  | LCH | 64QAM  | 1   | 1   | 1  | 0  | 19.57 | 23.39 | 24.90 | 0.098 | 2.000 | Pass |
|  |     |        | 135 | 67  | 16 | 0  | 19.62 | 23.38 | 24.91 | 0.099 | 2.000 | Pass |
|  | MCH |        | 135 | 67  | 16 | 0  | 19.84 | 23.45 | 25.02 | 0.103 | 2.000 | Pass |
|  | HCH |        | 1   | 271 | 1  | 74 | 19.82 | 23.17 | 24.82 | 0.101 | 2.000 | Pass |
|  |     |        | 135 | 67  | 16 | 0  | 19.83 | 23.44 | 25.01 | 0.103 | 2.000 | Pass |
|  | LCH | 256QAM | 1   | 1   | 1  | 0  | 19.43 | 23.34 | 24.82 | 0.096 | 2.000 | Pass |
|  |     |        | 135 | 67  | 16 | 0  | 19.63 | 23.48 | 24.98 | 0.100 | 2.000 | Pass |
|  | MCH |        | 135 | 67  | 16 | 0  | 19.9  | 23.5  | 25.07 | 0.105 | 2.000 | Pass |
|  | HCH |        | 1   | 271 | 1  | 74 | 19.9  | 23.43 | 25.02 | 0.104 | 2.000 | Pass |
|  |     |        | 135 | 67  | 16 | 0  | 19.84 | 23.43 | 25.01 | 0.103 | 2.000 | Pass |

| Test BW                      | Test Channel | Test Mode | NR UL RB No. | NR UL RB Pos. | LTE UL RB No. | LTE UL RB Pos. | NR Conducted Output Power (dBm) | LTE Conducted Output Power (dBm) | Total Conducted Output Power (dBm) | EIRP (W) | Limit (W) | Verdict |      |
|------------------------------|--------------|-----------|--------------|---------------|---------------|----------------|---------------------------------|----------------------------------|------------------------------------|----------|-----------|---------|------|
| DC_66A_n5A                   |              |           |              |               |               |                |                                 |                                  |                                    |          |           |         |      |
| 5MHz(LTE)<br>+<br>5MHz(NR)   | LCH          | PI/2 BPSK | 1            | 1             | 1             | 0              | 19.97                           | 20.33                            | 23.16                              | 0.050    | 1.000     | Pass    |      |
|                              |              |           | 12           | 6             | 8             | 0              | 19.83                           | 20.3                             | 23.08                              | 0.050    | 1.000     | Pass    |      |
|                              | MCH          |           | 12           | 6             | 8             | 0              | 19.94                           | 20.44                            | 23.21                              | 0.051    | 1.000     | Pass    |      |
|                              |              |           | HCH          | 1             | 23            | 1              | 24                              | 19.88                            | 20.37                              | 23.14    | 0.050     | 1.000   | Pass |
|                              | 12           |           |              | 6             | 8             | 0              | 19.93                           | 20.54                            | 23.26                              | 0.052    | 1.000     | Pass    |      |
|                              | LCH          |           | QPSK         | 1             | 1             | 1              | 0                               | 19.98                            | 20.33                              | 23.17    | 0.050     | 1.000   | Pass |
|                              |              |           |              | 12            | 6             | 8              | 0                               | 20.02                            | 20.29                              | 23.17    | 0.050     | 1.000   | Pass |
|                              | MCH          |           |              | 12            | 6             | 8              | 0                               | 19.85                            | 20.48                              | 23.19    | 0.051     | 1.000   | Pass |
|                              |              | HCH       |              | 1             | 23            | 1              | 24                              | 19.97                            | 20.41                              | 23.21    | 0.051     | 1.000   | Pass |
|                              | 12           |           |              | 6             | 8             | 0              | 19.86                           | 20.46                            | 23.18                              | 0.051    | 1.000     | Pass    |      |
|                              | LCH          | 16QAM     |              | 1             | 1             | 1              | 0                               | 20.09                            | 20.3                               | 23.21    | 0.050     | 1.000   | Pass |
|                              |              |           |              | 12            | 6             | 8              | 0                               | 19.99                            | 20.32                              | 23.17    | 0.050     | 1.000   | Pass |
|                              | MCH          |           |              | 12            | 6             | 8              | 0                               | 19.9                             | 20.44                              | 23.19    | 0.051     | 1.000   | Pass |
|                              |              |           | HCH          | 1             | 23            | 1              | 24                              | 20.1                             | 20.43                              | 23.28    | 0.052     | 1.000   | Pass |
|                              | 12           |           |              | 6             | 8             | 0              | 19.95                           | 20.5                             | 23.24                              | 0.052    | 1.000     | Pass    |      |
|                              | LCH          |           | 64QAM        | 1             | 1             | 1              | 0                               | 19.93                            | 20.25                              | 23.1     | 0.050     | 1.000   | Pass |
|                              |              |           |              | 12            | 6             | 8              | 0                               | 20.03                            | 20.28                              | 23.17    | 0.050     | 1.000   | Pass |
|                              | MCH          |           |              | 12            | 6             | 8              | 0                               | 20.01                            | 20.47                              | 23.26    | 0.052     | 1.000   | Pass |
|                              |              | HCH       |              | 1             | 23            | 1              | 24                              | 19.89                            | 20.45                              | 23.19    | 0.051     | 1.000   | Pass |
|                              | 12           |           |              | 6             | 8             | 0              | 20.04                           | 20.41                            | 23.24                              | 0.051    | 1.000     | Pass    |      |
|                              | LCH          | 256QAM    |              | 1             | 1             | 1              | 0                               | 19.65                            | 20.24                              | 22.97    | 0.049     | 1.000   | Pass |
|                              |              |           |              | 12            | 6             | 8              | 0                               | 20                               | 20.27                              | 23.15    | 0.050     | 1.000   | Pass |
|                              | MCH          |           |              | 12            | 6             | 8              | 0                               | 19.91                            | 20.44                              | 23.19    | 0.051     | 1.000   | Pass |
|                              |              |           | HCH          | 1             | 23            | 1              | 24                              | 19.65                            | 20.45                              | 23.08    | 0.051     | 1.000   | Pass |
| 12                           | 6            |           |              | 8             | 0             | 19.84          | 20.46                           | 23.17                            | 0.051                              | 1.000    | Pass      |         |      |
| 20MHz(LTE)<br>+<br>20MHz(NR) | LCH          |           | PI/2 BPSK    | 1             | 1             | 1              | 0                               | 20.06                            | 20.21                              | 23.15    | 0.050     | 1.000   | Pass |
|                              |              |           |              | 50            | 25            | 18             | 0                               | 20.16                            | 20.18                              | 23.18    | 0.050     | 1.000   | Pass |
|                              | MCH          |           |              | 50            | 25            | 18             | 0                               | 20.14                            | 20.3                               | 23.23    | 0.051     | 1.000   | Pass |
|                              |              | HCH       |              | 1             | 104           | 1              | 99                              | 20.01                            | 20.45                              | 23.25    | 0.052     | 1.000   | Pass |
|                              | 50           |           |              | 25            | 18            | 0              | 20.13                           | 20.25                            | 23.2                               | 0.050    | 1.000     | Pass    |      |
|                              | LCH          | QPSK      |              | 1             | 1             | 1              | 0                               | 20.1                             | 20.19                              | 23.16    | 0.050     | 1.000   | Pass |
|                              |              |           |              | 50            | 25            | 18             | 0                               | 20.04                            | 20.14                              | 23.1     | 0.049     | 1.000   | Pass |
|                              | MCH          |           |              | 50            | 25            | 18             | 0                               | 20.18                            | 20.32                              | 23.26    | 0.051     | 1.000   | Pass |
|                              |              |           | HCH          | 1             | 104           | 1              | 99                              | 19.95                            | 20.52                              | 23.25    | 0.052     | 1.000   | Pass |
|                              | 50           |           |              | 25            | 18            | 0              | 20.11                           | 20.24                            | 23.19                              | 0.050    | 1.000     | Pass    |      |
| LCH                          | 16QAM        |           | 1            | 1             | 1             | 0              | 20.18                           | 20.13                            | 23.17                              | 0.049    | 1.000     | Pass    |      |

|  |     |        |    |     |    |    |       |       |       |       |       |      |
|--|-----|--------|----|-----|----|----|-------|-------|-------|-------|-------|------|
|  |     |        | 50 | 25  | 18 | 0  | 20.16 | 20.12 | 23.15 | 0.049 | 1.000 | Pass |
|  | MCH |        | 50 | 25  | 18 | 0  | 20.19 | 20.36 | 23.29 | 0.051 | 1.000 | Pass |
|  | HCH |        | 1  | 104 | 1  | 99 | 20.09 | 20.54 | 23.33 | 0.053 | 1.000 | Pass |
|  |     |        | 50 | 25  | 18 | 0  | 20.09 | 20.29 | 23.2  | 0.050 | 1.000 | Pass |
|  | LCH | 64QAM  | 1  | 1   | 1  | 0  | 20.07 | 20.16 | 23.13 | 0.049 | 1.000 | Pass |
|  |     |        | 50 | 25  | 18 | 0  | 20.08 | 20.16 | 23.13 | 0.049 | 1.000 | Pass |
|  | MCH |        | 50 | 25  | 18 | 0  | 20.19 | 20.33 | 23.27 | 0.051 | 1.000 | Pass |
|  | HCH |        | 1  | 104 | 1  | 99 | 19.97 | 20.51 | 23.26 | 0.052 | 1.000 | Pass |
|  |     |        | 50 | 25  | 18 | 0  | 20.14 | 20.3  | 23.23 | 0.051 | 1.000 | Pass |
|  | LCH | 256QAM | 1  | 1   | 1  | 0  | 19.17 | 20.03 | 22.63 | 0.046 | 1.000 | Pass |
|  |     |        | 50 | 25  | 18 | 0  | 20.05 | 20.22 | 23.15 | 0.050 | 1.000 | Pass |
|  | MCH |        | 50 | 25  | 18 | 0  | 20.16 | 20.25 | 23.22 | 0.050 | 1.000 | Pass |
|  | HCH |        | 1  | 104 | 1  | 99 | 19.02 | 20.55 | 22.86 | 0.050 | 1.000 | Pass |
|  |     |        | 50 | 25  | 18 | 0  | 20.09 | 20.18 | 23.15 | 0.049 | 1.000 | Pass |

| Test BW                      | Test Channel | Test Mode | NR UL RB No. | NR UL RB Pos. | LTE UL RB No. | LTE UL RB Pos. | NR Conducted Output Power (dBm) | LTE Conducted Output Power (dBm) | Total Conducted Output Power (dBm) | EIRP (W) | Limit (W) | Verdict |       |
|------------------------------|--------------|-----------|--------------|---------------|---------------|----------------|---------------------------------|----------------------------------|------------------------------------|----------|-----------|---------|-------|
| DC_66A_n7A                   |              |           |              |               |               |                |                                 |                                  |                                    |          |           |         |       |
| 5MHz(LTE)<br>+<br>5MHz(NR)   | LCH          | PI/2 BPSK | 1            | 1             | 1             | 0              | 19.43                           | 20.35                            | 22.92                              | 0.111    | 1.000     | Pass    |       |
|                              |              |           | 12           | 6             | 8             | 0              | 19.55                           | 20.26                            | 22.93                              | 0.113    | 1.000     | Pass    |       |
|                              | MCH          |           | 12           | 6             | 8             | 0              | 19.62                           | 19.85                            | 22.75                              | 0.110    | 1.000     | Pass    |       |
|                              |              |           | HCH          | 1             | 23            | 1              | 24                              | 19.43                            | 19.78                              | 22.62    | 0.107     | 1.000   | Pass  |
|                              | 12           |           |              | 6             | 8             | 0              | 19.53                           | 19.92                            | 22.74                              | 0.109    | 1.000     | Pass    |       |
|                              | LCH          |           | QPSK         | 1             | 1             | 1              | 0                               | 19.45                            | 20.36                              | 22.94    | 0.112     | 1.000   | Pass  |
|                              |              |           |              | 12            | 6             | 8              | 0                               | 19.62                            | 20.33                              | 23       | 0.114     | 1.000   | Pass  |
|                              |              |           |              | MCH           | 12            | 6              | 8                               | 0                                | 19.53                              | 19.82    | 22.69     | 0.109   | 1.000 |
|                              |              | HCH       |              |               | 1             | 23             | 1                               | 24                               | 19.47                              | 19.74    | 22.62     | 0.107   | 1.000 |
|                              | 12           |           |              | 6             | 8             | 0              | 19.57                           | 19.88                            | 22.74                              | 0.110    | 1.000     | Pass    |       |
|                              | LCH          | 16QAM     |              | 1             | 1             | 1              | 0                               | 19.64                            | 20.23                              | 22.96    | 0.114     | 1.000   | Pass  |
|                              |              |           |              | 12            | 6             | 8              | 0                               | 19.66                            | 20.31                              | 23.01    | 0.115     | 1.000   | Pass  |
|                              |              |           |              | MCH           | 12            | 6              | 8                               | 0                                | 19.56                              | 19.89    | 22.74     | 0.110   | 1.000 |
|                              |              |           | HCH          |               | 1             | 23             | 1                               | 24                               | 19.63                              | 19.81    | 22.73     | 0.110   | 1.000 |
|                              | 12           |           |              | 6             | 8             | 0              | 19.59                           | 19.79                            | 22.7                               | 0.109    | 1.000     | Pass    |       |
|                              | LCH          |           | 64QAM        | 1             | 1             | 1              | 0                               | 19.54                            | 20.38                              | 22.99    | 0.114     | 1.000   | Pass  |
|                              |              |           |              | 12            | 6             | 8              | 0                               | 19.67                            | 20.24                              | 22.97    | 0.115     | 1.000   | Pass  |
|                              |              |           |              | MCH           | 12            | 6              | 8                               | 0                                | 19.68                              | 19.78    | 22.74     | 0.111   | 1.000 |
|                              |              | HCH       |              |               | 1             | 23             | 1                               | 24                               | 19.56                              | 19.89    | 22.74     | 0.110   | 1.000 |
|                              | 12           |           |              | 6             | 8             | 0              | 19.72                           | 19.79                            | 22.77                              | 0.112    | 1.000     | Pass    |       |
|                              | LCH          | 256QAM    |              | 1             | 1             | 1              | 0                               | 18.27                            | 20.28                              | 22.4     | 0.094     | 1.000   | Pass  |
|                              |              |           |              | 12            | 6             | 8              | 0                               | 18.68                            | 20.27                              | 22.56    | 0.099     | 1.000   | Pass  |
|                              |              |           |              | MCH           | 12            | 6              | 8                               | 0                                | 18.6                               | 19.86    | 22.29     | 0.095   | 1.000 |
|                              |              |           | HCH          |               | 1             | 23             | 1                               | 24                               | 18.28                              | 19.83    | 22.13     | 0.090   | 1.000 |
| 12                           | 6            |           |              | 8             | 0             | 18.65          | 19.86                           | 22.31                            | 0.095                              | 1.000    | Pass      |         |       |
| 20MHz(LTE)<br>+<br>40MHz(NR) | LCH          |           | PI/2 BPSK    | 1             | 1             | 1              | 0                               | 19.52                            | 20                                 | 22.78    | 0.110     | 1.000   | Pass  |
|                              |              |           |              | 108           | 54            | 18             | 0                               | 19.63                            | 19.95                              | 22.8     | 0.111     | 1.000   | Pass  |
|                              | MCH          |           |              | 108           | 54            | 18             | 0                               | 19.72                            | 19.56                              | 22.65    | 0.110     | 1.000   | Pass  |
|                              |              | HCH       |              | 1             | 214           | 1              | 99                              | 19.7                             | 19.6                               | 22.66    | 0.110     | 1.000   | Pass  |
|                              | 108          |           |              | 54            | 18            | 0              | 19.73                           | 19.69                            | 22.72                              | 0.111    | 1.000     | Pass    |       |
|                              | LCH          | QPSK      |              | 1             | 1             | 1              | 0                               | 19.45                            | 20.05                              | 22.77    | 0.109     | 1.000   | Pass  |
|                              |              |           |              | 108           | 54            | 18             | 0                               | 19.68                            | 19.83                              | 22.77    | 0.111     | 1.000   | Pass  |
|                              |              |           |              | MCH           | 108           | 54             | 18                              | 0                                | 19.69                              | 19.66    | 22.69     | 0.110   | 1.000 |
|                              |              |           | HCH          |               | 1             | 214            | 1                               | 99                               | 19.69                              | 19.66    | 22.69     | 0.110   | 1.000 |
|                              | 108          |           |              | 54            | 18            | 0              | 19.71                           | 19.78                            | 22.76                              | 0.112    | 1.000     | Pass    |       |
| LCH                          | 16QAM        |           | 1            | 1             | 1             | 0              | 19.65                           | 20.07                            | 22.88                              | 0.113    | 1.000     | Pass    |       |

|  |     |        |     |     |    |       |       |       |       |       |       |      |
|--|-----|--------|-----|-----|----|-------|-------|-------|-------|-------|-------|------|
|  |     |        | 108 | 54  | 18 | 0     | 19.68 | 19.82 | 22.76 | 0.111 | 1.000 | Pass |
|  | MCH |        | 108 | 54  | 18 | 0     | 19.72 | 19.65 | 22.7  | 0.111 | 1.000 | Pass |
|  | HCH |        | 1   | 214 | 1  | 99    | 19.87 | 19.58 | 22.74 | 0.113 | 1.000 | Pass |
|  |     | 108    | 54  | 18  | 0  | 19.68 | 19.63 | 22.67 | 0.110 | 1.000 | Pass  |      |
|  | LCH | 64QAM  | 1   | 1   | 1  | 0     | 19.47 | 20.03 | 22.77 | 0.109 | 1.000 | Pass |
|  |     |        | 108 | 54  | 18 | 0     | 19.69 | 19.86 | 22.79 | 0.112 | 1.000 | Pass |
|  | MCH | 64QAM  | 108 | 54  | 18 | 0     | 19.7  | 19.63 | 22.68 | 0.110 | 1.000 | Pass |
|  | HCH |        | 1   | 214 | 1  | 99    | 19.67 | 19.62 | 22.66 | 0.110 | 1.000 | Pass |
|  |     |        | 108 | 54  | 18 | 0     | 19.63 | 19.62 | 22.64 | 0.109 | 1.000 | Pass |
|  | LCH | 256QAM | 1   | 1   | 1  | 0     | 18.32 | 19.93 | 22.21 | 0.091 | 1.000 | Pass |
|  |     |        | 108 | 54  | 18 | 0     | 18.72 | 19.88 | 22.35 | 0.096 | 1.000 | Pass |
|  | MCH | 256QAM | 108 | 54  | 18 | 0     | 18.81 | 19.64 | 22.26 | 0.096 | 1.000 | Pass |
|  | HCH |        | 1   | 214 | 1  | 99    | 18.54 | 19.51 | 22.06 | 0.091 | 1.000 | Pass |
|  |     |        | 108 | 54  | 18 | 0     | 18.76 | 19.63 | 22.23 | 0.095 | 1.000 | Pass |

## A.2 Peak to Average Ratio

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

Note 2: Test plots please refer to the document “Annex No.:BL-SZ2441396-501 Data Part 1.pdf”.

### WCDMA Mode Test Data

| Test Band | Test Channel | Peak to Average Ratio (dB) | Limit (dB) | Refer to Plot <sup>Note2</sup> | Verdict |
|-----------|--------------|----------------------------|------------|--------------------------------|---------|
| Band 2    | LCH          | 3                          | 13         | 1.1                            | Pass    |
|           | MCH          | 3                          | 13         | 1.2                            | Pass    |
|           | HCH          | 2.91                       | 13         | 1.3                            | Pass    |
| Band 4    | LCH          | 3                          | 13         | 2.1                            | Pass    |
|           | MCH          | 3.05                       | 13         | 2.2                            | Pass    |
|           | HCH          | 3.05                       | 13         | 2.3                            | Pass    |
| Band 5    | LCH          | 2.95                       | 13         | 3.1                            | Pass    |
|           | MCH          | 2.86                       | 13         | 3.2                            | Pass    |
|           | HCH          | 3                          | 13         | 3.3                            | Pass    |

### LTE Mode Test Data

| Test Band  | Test Band width | Test Channel | Test Mode | Test RB (Size#Offset) | Peak to Average Ratio (dB) | Limit (dB) | Refer to Plot <sup>Note1</sup> | Verdict |
|------------|-----------------|--------------|-----------|-----------------------|----------------------------|------------|--------------------------------|---------|
| LTE Band 2 | 20 MHz          | LCH          | QPSK      | RB1#0                 | 4.41                       | 13         | 4.1                            | Pass    |
|            |                 |              |           | RB100#0               | 5.34                       | 13         | 4.2                            | Pass    |
|            |                 |              | 16-QAM    | RB1#0                 | 4.87                       | 13         | 4.3                            | Pass    |
|            |                 |              |           | RB100#0               | 6.23                       | 13         | 4.4                            | Pass    |
|            |                 | MCH          | QPSK      | RB1#0                 | 3.89                       | 13         | 4.5                            | Pass    |
|            |                 |              |           | RB100#0               | 5.44                       | 13         | 4.6                            | Pass    |
|            |                 |              | 16-QAM    | RB1#0                 | 4.83                       | 13         | 4.7                            | Pass    |
|            |                 |              |           | RB100#0               | 6.23                       | 13         | 4.8                            | Pass    |
|            |                 | HCH          | QPSK      | RB1#0                 | 3.66                       | 13         | 4.9                            | Pass    |
|            |                 |              |           | RB100#0               | 5.2                        | 13         | 4.10                           | Pass    |
|            |                 |              | 16-QAM    | RB1#0                 | 4.64                       | 13         | 4.11                           | Pass    |
|            |                 |              |           | RB100#0               | 6.05                       | 13         | 4.12                           | Pass    |
| LTE Band 4 | 20 MHz          | LCH          | QPSK      | RB1#0                 | 4.36                       | 13         | 5.1                            | Pass    |
|            |                 |              |           | RB100#0               | 5.67                       | 13         | 5.2                            | Pass    |
|            |                 |              | 16-QAM    | RB1#0                 | 5.25                       | 13         | 5.3                            | Pass    |
|            |                 |              |           | RB100#0               | 6.52                       | 13         | 5.4                            | Pass    |
|            |                 | MCH          | QPSK      | RB1#0                 | 4.5                        | 13         | 5.5                            | Pass    |
|            |                 |              |           | RB100#0               | 5.62                       | 13         | 5.6                            | Pass    |
|            |                 |              | 16-QAM    | RB1#0                 | 5.44                       | 13         | 5.7                            | Pass    |

| Test Band   | Test Band width | Test Channel | Test Mode | Test RB (Size#Offset) | Peak to Average Ratio (dB) | Limit (dB) | Refer to Plot <sup>Note1</sup> | Verdict |
|-------------|-----------------|--------------|-----------|-----------------------|----------------------------|------------|--------------------------------|---------|
|             |                 | HCH          | QPSK      | RB100#0               | 6.47                       | 13         | 5.8                            | Pass    |
|             |                 |              |           | RB1#0                 | 4.36                       | 13         | 5.9                            | Pass    |
|             |                 |              | 16-QAM    | RB100#0               | 5.44                       | 13         | 5.10                           | Pass    |
|             |                 |              |           | RB1#0                 | 5.16                       | 13         | 5.11                           | Pass    |
| LTE Band 5  | 10 MHz          | LCH          | QPSK      | RB1#0                 | 3.42                       | 13         | 6.1                            | Pass    |
|             |                 |              |           | RB50#0                | 5.02                       | 13         | 6.2                            | Pass    |
|             |                 |              | 16-QAM    | RB1#0                 | 4.27                       | 13         | 6.3                            | Pass    |
|             |                 |              |           | RB50#0                | 5.81                       | 13         | 6.4                            | Pass    |
|             |                 | MCH          | QPSK      | RB1#0                 | 3.28                       | 13         | 6.5                            | Pass    |
|             |                 |              |           | RB50#0                | 4.92                       | 13         | 6.6                            | Pass    |
|             |                 |              | 16-QAM    | RB1#0                 | 4.17                       | 13         | 6.7                            | Pass    |
|             |                 |              |           | RB50#0                | 5.67                       | 13         | 6.8                            | Pass    |
|             |                 | HCH          | QPSK      | RB1#0                 | 3.28                       | 13         | 6.9                            | Pass    |
|             |                 |              |           | RB50#0                | 5.11                       | 13         | 6.10                           | Pass    |
|             |                 |              | 16-QAM    | RB1#0                 | 4.12                       | 13         | 6.11                           | Pass    |
|             |                 |              |           | RB50#0                | 5.91                       | 13         | 6.12                           | Pass    |
| LTE Band 7  | 20 MHz          | LCH          | QPSK      | RB1#0                 | 3.8                        | 13         | 7.1                            | Pass    |
|             |                 |              |           | RB100#0               | 5.2                        | 13         | 7.2                            | Pass    |
|             |                 |              | 16-QAM    | RB1#0                 | 4.59                       | 13         | 7.3                            | Pass    |
|             |                 |              |           | RB100#0               | 6.09                       | 13         | 7.4                            | Pass    |
|             |                 | MCH          | QPSK      | RB1#0                 | 3.94                       | 13         | 7.5                            | Pass    |
|             |                 |              |           | RB100#0               | 5.3                        | 13         | 7.6                            | Pass    |
|             |                 |              | 16-QAM    | RB1#0                 | 4.87                       | 13         | 7.7                            | Pass    |
|             |                 |              |           | RB100#0               | 6.09                       | 13         | 7.8                            | Pass    |
|             |                 | HCH          | QPSK      | RB1#0                 | 3.94                       | 13         | 7.9                            | Pass    |
|             |                 |              |           | RB100#0               | 5.2                        | 13         | 7.10                           | Pass    |
|             |                 |              | 16-QAM    | RB1#0                 | 4.78                       | 13         | 7.11                           | Pass    |
|             |                 |              |           | RB100#0               | 6                          | 13         | 7.12                           | Pass    |
| LTE Band 12 | 10 MHz          | LCH          | QPSK      | RB1#0                 | 3.42                       | 13         | 8.1                            | Pass    |
|             |                 |              |           | RB50#0                | 5.06                       | 13         | 8.2                            | Pass    |
|             |                 |              | 16-QAM    | RB1#0                 | 4.31                       | 13         | 8.3                            | Pass    |
|             |                 |              |           | RB50#0                | 5.91                       | 13         | 8.4                            | Pass    |
|             |                 | MCH          | QPSK      | RB1#0                 | 3.66                       | 13         | 8.5                            | Pass    |
|             |                 |              |           | RB50#0                | 5.16                       | 13         | 8.6                            | Pass    |
|             |                 |              | 16-QAM    | RB1#0                 | 4.64                       | 13         | 8.7                            | Pass    |
|             |                 |              |           | RB50#0                | 5.95                       | 13         | 8.8                            | Pass    |
|             |                 | HCH          | QPSK      | RB1#0                 | 3.66                       | 13         | 8.9                            | Pass    |
|             |                 |              |           | RB50#0                | 5.06                       | 13         | 8.10                           | Pass    |

| Test Band            | Test Band width | Test Channel | Test Mode | Test RB (Size#Offset) | Peak to Average Ratio (dB) | Limit (dB) | Refer to Plot <sup>Note1</sup> | Verdict |
|----------------------|-----------------|--------------|-----------|-----------------------|----------------------------|------------|--------------------------------|---------|
|                      |                 |              | 16-QAM    | RB1#0                 | 4.55                       | 13         | 8.11                           | Pass    |
|                      |                 |              |           | RB50#0                | 5.91                       | 13         | 8.12                           | Pass    |
| LTE Band 13          | 10 MHz          | MCH          | QPSK      | RB1#0                 | 3.28                       | 13         | 9.1                            | Pass    |
|                      |                 |              |           | RB50#0                | 4.92                       | 13         | 9.2                            | Pass    |
|                      |                 |              | 16-QAM    | RB1#0                 | 4.22                       | 13         | 9.3                            | Pass    |
|                      |                 |              |           | RB50#0                | 5.72                       | 13         | 9.4                            | Pass    |
| LTE Band 17          | 10 MHz          | LCH          | QPSK      | RB1#0                 | 3.75                       | 13         | 10.1                           | Pass    |
|                      |                 |              |           | RB50#0                | 5.16                       | 13         | 10.2                           | Pass    |
|                      |                 |              | 16-QAM    | RB1#0                 | 4.5                        | 13         | 10.3                           | Pass    |
|                      |                 |              |           | RB50#0                | 5.91                       | 13         | 10.4                           | Pass    |
|                      |                 | MCH          | QPSK      | RB1#0                 | 3.7                        | 13         | 10.5                           | Pass    |
|                      |                 |              |           | RB50#0                | 5.11                       | 13         | 10.6                           | Pass    |
|                      |                 |              | 16-QAM    | RB1#0                 | 4.64                       | 13         | 10.7                           | Pass    |
|                      |                 |              |           | RB50#0                | 5.91                       | 13         | 10.8                           | Pass    |
|                      |                 | HCH          | QPSK      | RB1#0                 | 3.66                       | 13         | 10.9                           | Pass    |
|                      |                 |              |           | RB50#0                | 5.06                       | 13         | 10.10                          | Pass    |
|                      |                 |              | 16-QAM    | RB1#0                 | 4.55                       | 13         | 10.11                          | Pass    |
|                      |                 |              |           | RB50#0                | 5.86                       | 13         | 10.12                          | Pass    |
| LTE Band 26 (Part22) | 15 MHz          | LCH          | QPSK      | RB1#0                 | 3.84                       | 13         | 11.1                           | Pass    |
|                      |                 |              |           | RB75#0                | 5.25                       | 13         | 11.2                           | Pass    |
|                      |                 |              | 16-QAM    | RB1#0                 | 4.78                       | 13         | 11.3                           | Pass    |
|                      |                 |              |           | RB75#0                | 6                          | 13         | 11.4                           | Pass    |
|                      |                 | MCH          | QPSK      | RB1#0                 | 3.7                        | 13         | 11.5                           | Pass    |
|                      |                 |              |           | RB75#0                | 5.25                       | 13         | 11.6                           | Pass    |
|                      |                 |              | 16-QAM    | RB1#0                 | 4.45                       | 13         | 11.7                           | Pass    |
|                      |                 |              |           | RB75#0                | 6                          | 13         | 11.8                           | Pass    |
|                      |                 | HCH          | QPSK      | RB1#0                 | 3.61                       | 13         | 11.9                           | Pass    |
|                      |                 |              |           | RB75#0                | 5.34                       | 13         | 11.10                          | Pass    |
|                      |                 |              | 16-QAM    | RB1#0                 | 4.5                        | 13         | 11.11                          | Pass    |
|                      |                 |              |           | RB75#0                | 6.09                       | 13         | 11.12                          | Pass    |
| LTE Band 26 (Part90) | 10 MHz          | MCH          | QPSK      | RB1#0                 | 3.52                       | 13         | 12.1                           | Pass    |
|                      |                 |              |           | RB50#0                | 5.16                       | 13         | 12.2                           | Pass    |
|                      |                 |              | 16-QAM    | RB1#0                 | 4.45                       | 13         | 12.3                           | Pass    |
|                      |                 |              |           | RB50#0                | 5.95                       | 13         | 12.4                           | Pass    |
| LTE Band 66          | 20 MHz          | LCH          | QPSK      | RB1#0                 | 4.27                       | 13         | 13.1                           | Pass    |
|                      |                 |              |           | RB100#0               | 5.58                       | 13         | 13.2                           | Pass    |
|                      |                 |              | 16-QAM    | RB1#0                 | 5.2                        | 13         | 13.3                           | Pass    |
|                      |                 |              |           | RB100#0               | 6.42                       | 13         | 13.4                           | Pass    |
|                      |                 | MCH          | QPSK      | RB1#0                 | 4.27                       | 13         | 13.5                           | Pass    |



| Test Band   | Test Band width | Test Channel | Test Mode | Test RB (Size#Offset) | Peak to Average Ratio (dB) | Limit (dB) | Refer to Plot <sup>Note1</sup> | Verdict |      |      |
|-------------|-----------------|--------------|-----------|-----------------------|----------------------------|------------|--------------------------------|---------|------|------|
|             |                 |              | 16-QAM    | RB100#0               | 5.48                       | 13         | 13.6                           | Pass    |      |      |
|             |                 |              |           | RB1#0                 | 5.25                       | 13         | 13.7                           | Pass    |      |      |
|             |                 |              |           | RB100#0               | 6.33                       | 13         | 13.8                           | Pass    |      |      |
|             |                 | HCH          | QPSK      | RB1#0                 | 4.27                       | 13         | 13.9                           | Pass    |      |      |
|             |                 |              |           | RB100#0               | 5.44                       | 13         | 13.10                          | Pass    |      |      |
|             |                 |              |           | 16-QAM                | RB1#0                      | 5.2        | 13                             | 13.11   | Pass |      |
|             |                 |              | 16-QAM    | RB100#0               | 6.28                       | 13         | 13.12                          | Pass    |      |      |
|             |                 |              |           | LCH                   | QPSK                       | RB1#0      | 7.73                           | 13      | 14.1 | Pass |
|             |                 |              |           |                       |                            | RB100#0    | 8.86                           | 13      | 14.2 | Pass |
| LTE Band 38 | 20 MHz          | LCH          | 16-QAM    | RB1#0                 | 8.72                       | 13         | 14.3                           | Pass    |      |      |
|             |                 |              |           | RB100#0               | 9.61                       | 13         | 14.4                           | Pass    |      |      |
|             |                 | MCH          | QPSK      | RB1#0                 | 7.83                       | 13         | 14.5                           | Pass    |      |      |
|             |                 |              |           | RB100#0               | 9                          | 13         | 14.6                           | Pass    |      |      |
|             |                 | 16-QAM       | RB1#0     | 8.81                  | 13                         | 14.7       | Pass                           |         |      |      |
|             |                 |              | RB100#0   | 9.75                  | 13                         | 14.8       | Pass                           |         |      |      |
| HCH         | QPSK            | RB1#0        | 7.83      | 13                    | 14.9                       | Pass       |                                |         |      |      |
|             |                 | RB100#0      | 8.95      | 13                    | 14.10                      | Pass       |                                |         |      |      |
|             | 16-QAM          | RB1#0        | 8.72      | 13                    | 14.11                      | Pass       |                                |         |      |      |
|             |                 | RB100#0      | 9.7       | 13                    | 14.12                      | Pass       |                                |         |      |      |
| LTE Band 41 | 20 MHz          | LCH          | QPSK      | RB1#0                 | 7.78                       | 13         | 15.1                           | Pass    |      |      |
|             |                 |              |           | RB100#0               | 8.62                       | 13         | 15.2                           | Pass    |      |      |
|             |                 |              | 16-QAM    | RB1#0                 | 8.77                       | 13         | 15.3                           | Pass    |      |      |
|             |                 |              |           | RB100#0               | 9.52                       | 13         | 15.4                           | Pass    |      |      |
|             |                 | MCH          | QPSK      | RB1#0                 | 7.87                       | 13         | 15.5                           | Pass    |      |      |
|             |                 |              |           | RB100#0               | 8.72                       | 13         | 15.6                           | Pass    |      |      |
|             |                 | 16-QAM       | RB1#0     | 8.95                  | 13                         | 15.7       | Pass                           |         |      |      |
|             |                 |              | RB100#0   | 9.47                  | 13                         | 15.8       | Pass                           |         |      |      |
|             |                 | HCH          | QPSK      | RB1#0                 | 7.87                       | 13         | 15.9                           | Pass    |      |      |
|             |                 |              |           | RB100#0               | 9.05                       | 13         | 15.10                          | Pass    |      |      |
| 16-QAM      | RB1#0           |              | 9         | 13                    | 15.11                      | Pass       |                                |         |      |      |
|             | RB100#0         |              | 9.84      | 13                    | 15.12                      | Pass       |                                |         |      |      |

| Test Channel | Modulation | PCC RB |        | SCC RB |        | Peak to Average Ratio (dB) | Limit (dB) | Refer to Plot <sup>Note2</sup> | Verdict |
|--------------|------------|--------|--------|--------|--------|----------------------------|------------|--------------------------------|---------|
|              |            | Size   | Offset | Size   | Offset |                            |            |                                |         |
| <b>CA_7C</b> |            |        |        |        |        |                            |            |                                |         |
| 10MHz+20MHz  |            |        |        |        |        |                            |            |                                |         |
| Mid          | QPSK       | 50     | 0      | 100    | 0      | 5.95                       | 13         | 16.1                           | Pass    |
|              | 16-QAM     | 50     | 0      | 100    | 0      | 6.61                       | 13         | 16.2                           | Pass    |
| 20MHz+10MHz  |            |        |        |        |        |                            |            |                                |         |
| Mid          | QPSK       | 100    | 0      | 50     | 0      | 6                          | 13         | 16.3                           | Pass    |
|              | 16-QAM     | 100    | 0      | 50     | 0      | 6.61                       | 13         | 16.4                           | Pass    |
| 15MHz+15MHz  |            |        |        |        |        |                            |            |                                |         |
| Mid          | QPSK       | 75     | 0      | 75     | 0      | 6.19                       | 13         | 16.5                           | Pass    |
|              | 16-QAM     | 75     | 0      | 75     | 0      | 6.7                        | 13         | 16.6                           | Pass    |
| 15MHz+20MHz  |            |        |        |        |        |                            |            |                                |         |
| Mid          | QPSK       | 75     | 0      | 100    | 0      | 5.86                       | 13         | 16.7                           | Pass    |
|              | 16-QAM     | 75     | 0      | 100    | 0      | 6.52                       | 13         | 16.8                           | Pass    |
| 20MHz+15MHz  |            |        |        |        |        |                            |            |                                |         |
| Mid          | QPSK       | 100    | 0      | 75     | 0      | 5.95                       | 13         | 16.9                           | Pass    |
|              | 16-QAM     | 100    | 0      | 75     | 0      | 6.66                       | 13         | 16.10                          | Pass    |
| 20MHz+20MHz  |            |        |        |        |        |                            |            |                                |         |
| Mid          | QPSK       | 100    | 0      | 100    | 0      | 6.05                       | 13         | 16.11                          | Pass    |
|              | 16-QAM     | 100    | 0      | 100    | 0      | 6.7                        | 13         | 16.12                          | Pass    |

| Test Channel  | Modulation | PCC RB |        | SCC RB |        | Peak to Average Ratio (dB) | Limit (dB) | Refer to Plot <sup>Note2</sup> | Verdict |
|---------------|------------|--------|--------|--------|--------|----------------------------|------------|--------------------------------|---------|
|               |            | Size   | Offset | Size   | Offset |                            |            |                                |         |
| <b>CA_38C</b> |            |        |        |        |        |                            |            |                                |         |
| 15MHz+15MHz   |            |        |        |        |        |                            |            |                                |         |
| Mid           | QPSK       | 75     | 0      | 75     | 0      | 9.75                       | 13         | 17.1                           | Pass    |
|               | 16-QAM     | 75     | 0      | 75     | 0      | 10.31                      | 13         | 17.2                           | Pass    |
| 20MHz+10MHz   |            |        |        |        |        |                            |            |                                |         |
| Mid           | QPSK       | 100    | 0      | 100    | 0      | 9.56                       | 13         | 17.3                           | Pass    |
|               | 16-QAM     | 100    | 0      | 100    | 0      | 10.27                      | 13         | 17.4                           | Pass    |

| Test Channel       | Modulation | PCC RB |        | SCC RB |        | Peak to Average Ratio (dB) | Limit (dB) | Refer to Plot <sup>Note2</sup> | Verdict |
|--------------------|------------|--------|--------|--------|--------|----------------------------|------------|--------------------------------|---------|
|                    |            | Size   | Offset | Size   | Offset |                            |            |                                |         |
| <b>CA_41C</b>      |            |        |        |        |        |                            |            |                                |         |
| <b>5MHz+20MHz</b>  |            |        |        |        |        |                            |            |                                |         |
| Mid                | QPSK       | 25     | 0      | 100    | 0      | 9.56                       | 13         | 18.1                           | Pass    |
|                    | 16-QAM     | 25     | 0      | 100    | 0      | 10.22                      | 13         | 18.2                           | Pass    |
| <b>20MHz+5MHz</b>  |            |        |        |        |        |                            |            |                                |         |
| Mid                | QPSK       | 100    | 0      | 25     | 0      | 9.61                       | 13         | 18.3                           | Pass    |
|                    | 16-QAM     | 100    | 0      | 25     | 0      | 10.27                      | 13         | 18.4                           | Pass    |
| <b>10MHz+20MHz</b> |            |        |        |        |        |                            |            |                                |         |
| Mid                | QPSK       | 50     | 0      | 100    | 0      | 9.61                       | 13         | 18.5                           | Pass    |
|                    | 16-QAM     | 50     | 0      | 100    | 0      | 10.27                      | 13         | 18.6                           | Pass    |
| <b>20MHz+10MHz</b> |            |        |        |        |        |                            |            |                                |         |
| Mid                | QPSK       | 100    | 0      | 50     | 0      | 9.66                       | 13         | 18.7                           | Pass    |
|                    | 16-QAM     | 100    | 0      | 50     | 0      | 10.31                      | 13         | 18.8                           | Pass    |
| <b>15MHz+15MHz</b> |            |        |        |        |        |                            |            |                                |         |
| Mid                | QPSK       | 75     | 0      | 75     | 0      | 9.84                       | 13         | 18.9                           | Pass    |
|                    | 16-QAM     | 75     | 0      | 75     | 0      | 10.36                      | 13         | 18.10                          | Pass    |
| <b>15MHz+20MHz</b> |            |        |        |        |        |                            |            |                                |         |
| Mid                | QPSK       | 75     | 0      | 100    | 0      | 9.56                       | 13         | 18.11                          | Pass    |
|                    | 16-QAM     | 75     | 0      | 100    | 0      | 10.12                      | 13         | 18.12                          | Pass    |
| <b>20MHz+15MHz</b> |            |        |        |        |        |                            |            |                                |         |
| Mid                | QPSK       | 100    | 0      | 75     | 0      | 9.56                       | 13         | 18.13                          | Pass    |
|                    | 16-QAM     | 100    | 0      | 75     | 0      | 10.31                      | 13         | 18.14                          | Pass    |
| <b>20MHz+20MHz</b> |            |        |        |        |        |                            |            |                                |         |
| Mid                | QPSK       | 100    | 0      | 100    | 0      | 9.7                        | 13         | 18.15                          | Pass    |
|                    | 16-QAM     | 100    | 0      | 100    | 0      | 10.12                      | 13         | 18.16                          | Pass    |

## NR Mode Test Data

| Test Band | NR Test Bandwidth | Test Channel | Test Mode | NR UL RB No. | NR UL RB Pos. | Peak to Average Ratio (dB) | Limit (dB) | Refer to Plot <sup>Note2</sup> | Verdict |      |
|-----------|-------------------|--------------|-----------|--------------|---------------|----------------------------|------------|--------------------------------|---------|------|
| n5        | 20 MHz            | LCH          | PI/2 BPSK | 1            | 0             | 3.37                       | 13         | 19.1                           | Pass    |      |
|           |                   |              |           | 100          | 0             | 3.75                       | 13         | 19.2                           | Pass    |      |
|           |                   |              | QPSK      | 1            | 0             | 4.92                       | 13         | 19.3                           | Pass    |      |
|           |                   |              |           | 100          | 0             | 5.16                       | 13         | 19.4                           | Pass    |      |
|           |                   |              | 16-QAM    | 1            | 0             | 6                          | 13         | 19.5                           | Pass    |      |
|           |                   |              |           | 100          | 0             | 5.77                       | 13         | 19.6                           | Pass    |      |
|           |                   |              | 64QAM     | 1            | 0             | 5.95                       | 13         | 19.7                           | Pass    |      |
|           |                   |              |           | 100          | 0             | 5.81                       | 13         | 19.8                           | Pass    |      |
|           |                   |              | 256QAM    | 1            | 0             | 6.89                       | 13         | 19.9                           | Pass    |      |
|           |                   |              |           | 100          | 0             | 6.37                       | 13         | 19.10                          | Pass    |      |
|           |                   |              | MCH       | PI/2 BPSK    | 1             | 0                          | 3.42       | 13                             | 19.11   | Pass |
|           |                   |              |           |              | 100           | 0                          | 3.89       | 13                             | 19.12   | Pass |
|           |                   | QPSK         |           | 1            | 0             | 4.97                       | 13         | 19.13                          | Pass    |      |
|           |                   |              |           | 100          | 0             | 5.16                       | 13         | 19.14                          | Pass    |      |
|           |                   | 16-QAM       |           | 1            | 0             | 6.05                       | 13         | 19.15                          | Pass    |      |
|           |                   |              |           | 100          | 0             | 5.81                       | 13         | 19.16                          | Pass    |      |
|           |                   | 64QAM        |           | 1            | 0             | 5.81                       | 13         | 19.17                          | Pass    |      |
|           |                   |              |           | 100          | 0             | 5.77                       | 13         | 19.18                          | Pass    |      |
|           |                   | 256QAM       |           | 1            | 0             | 6.89                       | 13         | 19.19                          | Pass    |      |
|           |                   |              |           | 100          | 0             | 6.37                       | 13         | 19.20                          | Pass    |      |
|           |                   | HCH          |           | PI/2 BPSK    | 1             | 0                          | 3.47       | 13                             | 19.21   | Pass |
|           |                   |              |           |              | 100           | 0                          | 3.94       | 13                             | 19.22   | Pass |
|           |                   |              | QPSK      | 1            | 0             | 4.97                       | 13         | 19.23                          | Pass    |      |
|           |                   |              |           | 100          | 0             | 5.16                       | 13         | 19.24                          | Pass    |      |
| 16-QAM    | 1                 |              | 0         | 6.05         | 13            | 19.25                      | Pass       |                                |         |      |
|           | 100               |              | 0         | 5.81         | 13            | 19.26                      | Pass       |                                |         |      |
| 64QAM     | 1                 |              | 0         | 5.95         | 13            | 19.27                      | Pass       |                                |         |      |
|           | 100               |              | 0         | 5.81         | 13            | 19.28                      | Pass       |                                |         |      |
| 256QAM    | 1                 |              | 0         | 6.94         | 13            | 19.29                      | Pass       |                                |         |      |
|           | 100               |              | 0         | 6.42         | 13            | 19.30                      | Pass       |                                |         |      |
| n7        | 20 MHz            |              | LCH       | PI/2 BPSK    | 1             | 0                          | 3.14       | 13                             | 20.1    | Pass |
|           |                   |              |           |              | 100           | 0                          | 4.03       | 13                             | 20.2    | Pass |
|           |                   | QPSK         |           | 1            | 0             | 4.45                       | 13         | 20.3                           | Pass    |      |
|           |                   |              |           | 100          | 0             | 5.11                       | 13         | 20.4                           | Pass    |      |
|           |                   | 16-QAM       |           | 1            | 0             | 5.53                       | 13         | 20.5                           | Pass    |      |
|           |                   |              |           | 100          | 0             | 5.86                       | 13         | 20.6                           | Pass    |      |
|           |                   | 64QAM        |           | 1            | 0             | 5.53                       | 13         | 20.7                           | Pass    |      |
|           |                   |              |           | 100          | 0             | 6.05                       | 13         | 20.8                           | Pass    |      |

| Test Band | NR Test Bandwidth | Test Channel | Test Mode | NR UL RB No. | NR UL RB Pos. | Peak to Average Ratio (dB) | Limit (dB) | Refer to Plot <sup>Note2</sup> | Verdict |      |      |
|-----------|-------------------|--------------|-----------|--------------|---------------|----------------------------|------------|--------------------------------|---------|------|------|
|           |                   |              | 256QAM    | 1            | 0             | 6.75                       | 13         | 20.9                           | Pass    |      |      |
|           |                   |              |           | 100          | 0             | 6.61                       | 13         | 20.10                          | Pass    |      |      |
|           |                   | MCH          | PI/2 BPSK | 1            | 0             | 3.23                       | 13         | 20.11                          | Pass    |      |      |
|           |                   |              |           | 100          | 0             | 3.8                        | 13         | 20.12                          | Pass    |      |      |
|           |                   |              | QPSK      | 1            | 0             | 4.69                       | 13         | 20.13                          | Pass    |      |      |
|           |                   |              |           | 100          | 0             | 4.97                       | 13         | 20.14                          | Pass    |      |      |
|           |                   |              | 16-QAM    | 1            | 0             | 5.72                       | 13         | 20.15                          | Pass    |      |      |
|           |                   |              |           | 100          | 0             | 5.86                       | 13         | 20.16                          | Pass    |      |      |
|           |                   |              | 64QAM     | 1            | 0             | 5.62                       | 13         | 20.17                          | Pass    |      |      |
|           |                   |              |           | 100          | 0             | 6.05                       | 13         | 20.18                          | Pass    |      |      |
|           |                   |              | 256QAM    | 1            | 0             | 6.8                        | 13         | 20.19                          | Pass    |      |      |
|           |                   |              |           | 100          | 0             | 6.66                       | 13         | 20.20                          | Pass    |      |      |
|           |                   |              | HCH       | PI/2 BPSK    | 1             | 0                          | 3.23       | 13                             | 20.21   | Pass |      |
|           |                   |              |           |              | 100           | 0                          | 3.89       | 13                             | 20.22   | Pass |      |
|           |                   | QPSK         |           | 1            | 0             | 4.64                       | 13         | 20.23                          | Pass    |      |      |
|           |                   |              |           | 100          | 0             | 5.02                       | 13         | 20.24                          | Pass    |      |      |
|           |                   | 16-QAM       |           | 1            | 0             | 5.81                       | 13         | 20.25                          | Pass    |      |      |
|           |                   |              |           | 100          | 0             | 5.86                       | 13         | 20.26                          | Pass    |      |      |
|           |                   | 64QAM        |           | 1            | 0             | 5.62                       | 13         | 20.27                          | Pass    |      |      |
|           |                   |              |           | 100          | 0             | 6                          | 13         | 20.28                          | Pass    |      |      |
|           |                   | 256QAM       |           | 1            | 0             | 6.84                       | 13         | 20.29                          | Pass    |      |      |
|           |                   |              |           | 100          | 0             | 6.61                       | 13         | 20.30                          | Pass    |      |      |
|           |                   | n66          | 20 MHz    | LCH          | PI/2 BPSK     | 1                          | 0          | 3.23                           | 13      | 21.1 | Pass |
|           |                   |              |           |              |               | 100                        | 0          | 4.5                            | 13      | 21.2 | Pass |
| QPSK      | 1                 |              |           |              | 0             | 5.34                       | 13         | 21.3                           | Pass    |      |      |
|           | 100               |              |           |              | 0             | 5.62                       | 13         | 21.4                           | Pass    |      |      |
| 16-QAM    | 1                 |              |           |              | 0             | 6.56                       | 13         | 21.5                           | Pass    |      |      |
|           | 100               |              |           |              | 0             | 6.42                       | 13         | 21.6                           | Pass    |      |      |
| 64QAM     | 1                 |              |           |              | 0             | 6.14                       | 13         | 21.7                           | Pass    |      |      |
|           | 100               |              |           |              | 0             | 6.47                       | 13         | 21.8                           | Pass    |      |      |
| 256QAM    | 1                 |              |           |              | 0             | 7.03                       | 13         | 21.9                           | Pass    |      |      |
|           | 100               |              |           |              | 0             | 6.84                       | 13         | 21.10                          | Pass    |      |      |
| MCH       | PI/2 BPSK         |              |           |              | 1             | 0                          | 3.66       | 13                             | 21.11   | Pass |      |
|           |                   |              |           |              | 100           | 0                          | 4.27       | 13                             | 21.12   | Pass |      |
|           | QPSK              |              |           | 1            | 0             | 5.48                       | 13         | 21.13                          | Pass    |      |      |
|           |                   |              |           | 100          | 0             | 5.53                       | 13         | 21.14                          | Pass    |      |      |
|           | 16-QAM            |              |           | 1            | 0             | 6.66                       | 13         | 21.15                          | Pass    |      |      |
|           |                   |              |           | 100          | 0             | 6.14                       | 13         | 21.16                          | Pass    |      |      |
| 64QAM     | 1                 |              |           | 0            | 6.28          | 13                         | 21.17      | Pass                           |         |      |      |

| Test Band | NR Test Bandwidth | Test Channel | Test Mode | NR UL RB No. | NR UL RB Pos. | Peak to Average Ratio (dB) | Limit (dB) | Refer to Plot <sup>Note2</sup> | Verdict |      |      |      |
|-----------|-------------------|--------------|-----------|--------------|---------------|----------------------------|------------|--------------------------------|---------|------|------|------|
|           |                   |              | 256QAM    | 100          | 0             | 6.33                       | 13         | 21.18                          | Pass    |      |      |      |
|           |                   |              |           | 1            | 0             | 7.12                       | 13         | 21.19                          | Pass    |      |      |      |
|           |                   |              |           | 100          | 0             | 6.75                       | 13         | 21.20                          | Pass    |      |      |      |
|           |                   | HCH          | PI/2 BPSK | 1            | 0             | 3.52                       | 13         | 21.21                          | Pass    |      |      |      |
|           |                   |              |           | 100          | 0             | 4.27                       | 13         | 21.22                          | Pass    |      |      |      |
|           |                   |              | QPSK      | 1            | 0             | 5.53                       | 13         | 21.23                          | Pass    |      |      |      |
|           |                   |              |           | 100          | 0             | 5.53                       | 13         | 21.24                          | Pass    |      |      |      |
|           |                   |              | 16-QAM    | 1            | 0             | 6.8                        | 13         | 21.25                          | Pass    |      |      |      |
|           |                   |              |           | 100          | 0             | 6.28                       | 13         | 21.26                          | Pass    |      |      |      |
|           |                   |              | 64QAM     | 1            | 0             | 6.23                       | 13         | 21.27                          | Pass    |      |      |      |
|           |                   |              |           | 100          | 0             | 6.37                       | 13         | 21.28                          | Pass    |      |      |      |
|           |                   |              | 256QAM    | 1            | 0             | 7.12                       | 13         | 21.29                          | Pass    |      |      |      |
|           |                   |              |           | 100          | 0             | 6.75                       | 13         | 21.30                          | Pass    |      |      |      |
|           |                   |              | n38       | 20 MHz       | LCH           | PI/2 BPSK                  | 1          | 0                              | 3.75    | 13   | 22.1 | Pass |
|           |                   |              |           |              |               |                            | 50         | 0                              | 4.12    | 13   | 22.2 | Pass |
|           |                   |              |           |              |               | QPSK                       | 1          | 0                              | 5.02    | 13   | 22.3 | Pass |
| 50        | 0                 | 5.3          |           |              |               |                            | 13         | 22.4                           | Pass    |      |      |      |
| 16-QAM    | 1                 | 0            |           |              |               | 5.58                       | 13         | 22.5                           | Pass    |      |      |      |
|           | 50                | 0            |           |              |               | 6.09                       | 13         | 22.6                           | Pass    |      |      |      |
| 64QAM     | 1                 | 0            |           |              |               | 6.61                       | 13         | 22.7                           | Pass    |      |      |      |
|           | 50                | 0            |           |              |               | 6.42                       | 13         | 22.8                           | Pass    |      |      |      |
| 256QAM    | 1                 | 0            |           |              |               | 6.33                       | 13         | 22.9                           | Pass    |      |      |      |
|           | 50                | 0            |           |              |               | 6.47                       | 13         | 22.10                          | Pass    |      |      |      |
| MCH       | PI/2 BPSK         | 1            |           |              |               | 0                          | 3.75       | 13                             | 22.11   | Pass |      |      |
|           |                   | 50           |           |              |               | 0                          | 4.22       | 13                             | 22.12   | Pass |      |      |
|           | QPSK              | 1            |           |              | 0             | 4.83                       | 13         | 22.13                          | Pass    |      |      |      |
|           |                   | 50           |           |              | 0             | 5.34                       | 13         | 22.14                          | Pass    |      |      |      |
|           | 16-QAM            | 1            |           |              | 0             | 5.67                       | 13         | 22.15                          | Pass    |      |      |      |
|           |                   | 50           |           |              | 0             | 6.14                       | 13         | 22.16                          | Pass    |      |      |      |
|           | 64QAM             | 1            |           |              | 0             | 5.86                       | 13         | 22.17                          | Pass    |      |      |      |
|           |                   | 50           |           |              | 0             | 6.42                       | 13         | 22.18                          | Pass    |      |      |      |
|           | 256QAM            | 1            |           |              | 0             | 6.37                       | 13         | 22.19                          | Pass    |      |      |      |
|           |                   | 50           |           |              | 0             | 6.47                       | 13         | 22.20                          | Pass    |      |      |      |
|           | HCH               | PI/2 BPSK    |           |              | 1             | 0                          | 3.75       | 13                             | 22.21   | Pass |      |      |
|           |                   |              |           |              | 50            | 0                          | 4.12       | 13                             | 22.22   | Pass |      |      |
| QPSK      |                   | 1            |           |              | 0             | 4.97                       | 13         | 22.23                          | Pass    |      |      |      |
|           |                   | 50           |           |              | 0             | 5.34                       | 13         | 22.24                          | Pass    |      |      |      |
| 16-QAM    |                   | 1            | 0         | 5.67         | 13            | 22.25                      | Pass       |                                |         |      |      |      |
|           |                   | 50           | 0         | 6.14         | 13            | 22.26                      | Pass       |                                |         |      |      |      |

| Test Band | NR Test Bandwidth | Test Channel | Test Mode | NR UL RB No. | NR UL RB Pos. | Peak to Average Ratio (dB) | Limit (dB) | Refer to Plot <sup>Note2</sup> | Verdict |      |
|-----------|-------------------|--------------|-----------|--------------|---------------|----------------------------|------------|--------------------------------|---------|------|
| n41       | 20 MHz            |              | 64QAM     | 1            | 0             | 6.52                       | 13         | 22.27                          | Pass    |      |
|           |                   |              |           | 50           | 0             | 6.42                       | 13         | 22.28                          | Pass    |      |
|           |                   |              | 256QAM    | 1            | 0             | 6.37                       | 13         | 22.29                          | Pass    |      |
|           |                   |              |           | 50           | 0             | 6.52                       | 13         | 22.30                          | Pass    |      |
|           |                   | LCH          | PI/2 BPSK | 1            | 0             | 3.98                       | 13         | 23.1                           | Pass    |      |
|           |                   |              |           | 50           | 0             | 4.12                       | 13         | 23.2                           | Pass    |      |
|           |                   |              | QPSK      | 1            | 0             | 4.97                       | 13         | 23.3                           | Pass    |      |
|           |                   |              |           | 50           | 0             | 5.06                       | 13         | 23.4                           | Pass    |      |
|           |                   |              | 16-QAM    | 1            | 0             | 5.72                       | 13         | 23.5                           | Pass    |      |
|           |                   |              |           | 50           | 0             | 5.81                       | 13         | 23.6                           | Pass    |      |
|           |                   |              | 64QAM     | 1            | 0             | 5.91                       | 13         | 23.7                           | Pass    |      |
|           |                   |              |           | 50           | 0             | 6.19                       | 13         | 23.8                           | Pass    |      |
|           |                   |              | 256QAM    | 1            | 0             | 6.37                       | 13         | 23.9                           | Pass    |      |
|           |                   |              |           | 50           | 0             | 6.52                       | 13         | 23.10                          | Pass    |      |
|           |                   |              | MCH       | PI/2 BPSK    | 1             | 0                          | 4.08       | 13                             | 23.11   | Pass |
|           |                   |              |           |              | 50            | 0                          | 4.22       | 13                             | 23.12   | Pass |
|           |                   | QPSK         |           | 1            | 0             | 5.44                       | 13         | 23.13                          | Pass    |      |
|           |                   |              |           | 50           | 0             | 5.34                       | 13         | 23.14                          | Pass    |      |
|           |                   | 16-QAM       |           | 1            | 0             | 5.81                       | 13         | 23.15                          | Pass    |      |
|           |                   |              |           | 50           | 0             | 6.14                       | 13         | 23.16                          | Pass    |      |
|           |                   | 64QAM        |           | 1            | 0             | 5.91                       | 13         | 23.17                          | Pass    |      |
|           |                   |              |           | 50           | 0             | 6.42                       | 13         | 23.18                          | Pass    |      |
|           |                   | 256QAM       | 1         | 0            | 6.33          | 13                         | 23.19      | Pass                           |         |      |
|           |                   |              | 50        | 0            | 6.52          | 13                         | 23.20      | Pass                           |         |      |
| HCH       | PI/2 BPSK         | 1            | 0         | 3.84         | 13            | 23.21                      | Pass       |                                |         |      |
|           |                   | 50           | 0         | 4.31         | 13            | 23.22                      | Pass       |                                |         |      |
|           | QPSK              | 1            | 0         | 5.11         | 13            | 23.23                      | Pass       |                                |         |      |
|           |                   | 50           | 0         | 5.48         | 13            | 23.24                      | Pass       |                                |         |      |
|           | 16-QAM            | 1            | 0         | 6            | 13            | 23.25                      | Pass       |                                |         |      |
|           |                   | 50           | 0         | 6.19         | 13            | 23.26                      | Pass       |                                |         |      |
|           | 64QAM             | 1            | 0         | 6            | 13            | 23.27                      | Pass       |                                |         |      |
|           |                   | 50           | 0         | 6.56         | 13            | 23.28                      | Pass       |                                |         |      |
|           | 256QAM            | 1            | 0         | 6.42         | 13            | 23.29                      | Pass       |                                |         |      |
|           |                   | 50           | 0         | 6.61         | 13            | 23.30                      | 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-SZ2441396-501 Data Part 2.pdf”.

#### GSM and WCDMA Mode Test Data

| Test Band    | Test Channel | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|--------------|--------------|---------------------------------------|------------------------------------------|--------------------------------|
| GSM 850      | LCH          | 0.244                                 | 0.312                                    | 1.1                            |
|              | MCH          | 0.244                                 | 0.312                                    | 1.2                            |
|              | HCH          | 0.244                                 | 0.312                                    | 1.3                            |
| GSM 1900     | LCH          | 0.244                                 | 0.312                                    | 2.1                            |
|              | MCH          | 0.244                                 | 0.313                                    | 2.2                            |
|              | HCH          | 0.242                                 | 0.314                                    | 2.3                            |
| EGPRS 850    | LCH          | 0.241                                 | 0.31                                     | 3.1                            |
|              | MCH          | 0.243                                 | 0.309                                    | 3.2                            |
|              | HCH          | 0.242                                 | 0.303                                    | 3.3                            |
| EGPRS 1900   | LCH          | 0.243                                 | 0.311                                    | 4.1                            |
|              | MCH          | 0.244                                 | 0.311                                    | 4.2                            |
|              | HCH          | 0.244                                 | 0.306                                    | 4.3                            |
| WCDMA Band 2 | LCH          | 4.147                                 | 4.717                                    | 5.1                            |
|              | MCH          | 4.148                                 | 4.718                                    | 5.2                            |
|              | HCH          | 4.149                                 | 4.726                                    | 5.3                            |
| WCDMA Band 4 | LCH          | 4.14                                  | 4.707                                    | 6.1                            |
|              | MCH          | 4.146                                 | 4.715                                    | 6.2                            |
|              | HCH          | 4.138                                 | 4.714                                    | 6.3                            |
| WCDMA Band 5 | LCH          | 4.138                                 | 4.716                                    | 7.1                            |
|              | MCH          | 4.136                                 | 4.725                                    | 7.2                            |
|              | HCH          | 4.13                                  | 4.705                                    | 7.3                            |



## LTE Mode Test Data

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|--------------------------------|
| Band 2    | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.099                                 | 1.355                                    | 8.1                            |
|           |                |              | 16-QAM    | RB6#0                 | 1.099                                 | 1.365                                    | 8.2                            |
|           |                | MCH          | QPSK      | RB6#0                 | 1.097                                 | 1.344                                    | 8.3                            |
|           |                |              | 16-QAM    | RB6#0                 | 1.094                                 | 1.344                                    | 8.4                            |
|           |                | HCH          | QPSK      | RB6#0                 | 1.094                                 | 1.345                                    | 8.5                            |
|           |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.37                                     | 8.6                            |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.709                                 | 3.013                                    | 8.7                            |
|           |                |              | 16-QAM    | RB15#0                | 2.71                                  | 3.064                                    | 8.8                            |
|           |                | MCH          | QPSK      | RB15#0                | 2.704                                 | 3.063                                    | 8.9                            |
|           |                |              | 16-QAM    | RB15#0                | 2.709                                 | 3.039                                    | 8.10                           |
|           |                | HCH          | QPSK      | RB15#0                | 2.706                                 | 3.078                                    | 8.11                           |
|           |                |              | 16-QAM    | RB15#0                | 2.708                                 | 3.052                                    | 8.12                           |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.523                                 | 5.117                                    | 8.13                           |
|           |                |              | 16-QAM    | RB25#0                | 4.509                                 | 5.155                                    | 8.14                           |
|           |                | MCH          | QPSK      | RB25#0                | 4.524                                 | 5.117                                    | 8.15                           |
|           |                |              | 16-QAM    | RB25#0                | 4.524                                 | 5.172                                    | 8.16                           |
|           |                | HCH          | QPSK      | RB25#0                | 4.516                                 | 5.185                                    | 8.17                           |
|           |                |              | 16-QAM    | RB25#0                | 4.521                                 | 5.152                                    | 8.18                           |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 9.014                                 | 10.019                                   | 8.19                           |
|           |                |              | 16-QAM    | RB50#0                | 9.004                                 | 10.053                                   | 8.20                           |
|           |                | MCH          | QPSK      | RB50#0                | 9.015                                 | 9.981                                    | 8.21                           |
|           |                |              | 16-QAM    | RB50#0                | 9.005                                 | 10.081                                   | 8.22                           |
|           |                | HCH          | QPSK      | RB50#0                | 9.001                                 | 10.014                                   | 8.23                           |
|           |                |              | 16-QAM    | RB50#0                | 9.007                                 | 10.018                                   | 8.24                           |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.48                                 | 14.878                                   | 8.25                           |
|           |                |              | 16-QAM    | RB75#0                | 13.472                                | 14.82                                    | 8.26                           |
|           |                | MCH          | QPSK      | RB75#0                | 13.512                                | 14.992                                   | 8.27                           |
|           |                |              | 16-QAM    | RB75#0                | 13.51                                 | 15.072                                   | 8.28                           |
|           |                | HCH          | QPSK      | RB75#0                | 13.504                                | 14.932                                   | 8.29                           |
|           |                |              | 16-QAM    | RB75#0                | 13.5                                  | 14.9                                     | 8.30                           |
| 20 MHz    | LCH            | QPSK         | RB100#0   | 17.959                | 19.81                                 | 8.31                                     |                                |
|           |                | 16-QAM       | RB100#0   | 17.953                | 19.694                                | 8.32                                     |                                |
|           | MCH            | QPSK         | RB100#0   | 18.009                | 19.791                                | 8.33                                     |                                |
|           |                | 16-QAM       | RB100#0   | 17.983                | 19.679                                | 8.34                                     |                                |
|           | HCH            | QPSK         | RB100#0   | 17.989                | 19.71                                 | 8.35                                     |                                |
|           |                | 16-QAM       | RB100#0   | 17.938                | 19.777                                | 8.36                                     |                                |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|--------------------------------|
| Band 4    | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.095                                 | 1.326                                    | 9.1                            |
|           |                |              | 16-QAM    | RB6#0                 | 1.095                                 | 1.337                                    | 9.2                            |
|           |                | MCH          | QPSK      | RB6#0                 | 1.097                                 | 1.372                                    | 9.3                            |
|           |                |              | 16-QAM    | RB6#0                 | 1.094                                 | 1.339                                    | 9.4                            |
|           |                | HCH          | QPSK      | RB6#0                 | 1.093                                 | 1.329                                    | 9.5                            |
|           |                |              | 16-QAM    | RB6#0                 | 1.101                                 | 1.391                                    | 9.6                            |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.704                                 | 3.058                                    | 9.7                            |
|           |                |              | 16-QAM    | RB15#0                | 2.707                                 | 3.079                                    | 9.8                            |
|           |                | MCH          | QPSK      | RB15#0                | 2.711                                 | 3.074                                    | 9.9                            |
|           |                |              | 16-QAM    | RB15#0                | 2.714                                 | 3.049                                    | 9.10                           |
|           |                | HCH          | QPSK      | RB15#0                | 2.707                                 | 3.088                                    | 9.11                           |
|           |                |              | 16-QAM    | RB15#0                | 2.701                                 | 3.053                                    | 9.12                           |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.515                                 | 5.156                                    | 9.13                           |
|           |                |              | 16-QAM    | RB25#0                | 4.51                                  | 5.16                                     | 9.14                           |
|           |                | MCH          | QPSK      | RB25#0                | 4.524                                 | 5.151                                    | 9.15                           |
|           |                |              | 16-QAM    | RB25#0                | 4.526                                 | 5.128                                    | 9.16                           |
|           |                | HCH          | QPSK      | RB25#0                | 4.522                                 | 5.214                                    | 9.17                           |
|           |                |              | 16-QAM    | RB25#0                | 4.512                                 | 5.128                                    | 9.18                           |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.995                                 | 10.009                                   | 9.19                           |
|           |                |              | 16-QAM    | RB50#0                | 8.996                                 | 9.99                                     | 9.20                           |
|           |                | MCH          | QPSK      | RB50#0                | 8.996                                 | 10.04                                    | 9.21                           |
|           |                |              | 16-QAM    | RB50#0                | 9.005                                 | 9.913                                    | 9.22                           |
|           |                | HCH          | QPSK      | RB50#0                | 8.992                                 | 9.938                                    | 9.23                           |
|           |                |              | 16-QAM    | RB50#0                | 9.005                                 | 9.969                                    | 9.24                           |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.484                                | 14.966                                   | 9.25                           |
|           |                |              | 16-QAM    | RB75#0                | 13.495                                | 14.865                                   | 9.26                           |
|           |                | MCH          | QPSK      | RB75#0                | 13.469                                | 14.92                                    | 9.27                           |
|           |                |              | 16-QAM    | RB75#0                | 13.51                                 | 14.854                                   | 9.28                           |
|           |                | HCH          | QPSK      | RB75#0                | 13.486                                | 14.933                                   | 9.29                           |
|           |                |              | 16-QAM    | RB75#0                | 13.487                                | 14.808                                   | 9.30                           |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.969                                | 19.77                                    | 9.31                           |
|           |                |              | 16-QAM    | RB100#0               | 18.011                                | 19.88                                    | 9.32                           |
|           |                | MCH          | QPSK      | RB100#0               | 17.984                                | 19.842                                   | 9.33                           |
|           |                |              | 16-QAM    | RB100#0               | 17.998                                | 19.791                                   | 9.34                           |
|           |                | HCH          | QPSK      | RB100#0               | 17.967                                | 19.751                                   | 9.35                           |
|           |                |              | 16-QAM    | RB100#0               | 17.951                                | 19.74                                    | 9.36                           |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|--------------------------------|
| Band 5    | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.097                                 | 1.364                                    | 10.1                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.101                                 | 1.36                                     | 10.2                           |
|           |                | MCH          | QPSK      | RB6#0                 | 1.098                                 | 1.366                                    | 10.3                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.093                                 | 1.362                                    | 10.4                           |
|           |                | HCH          | QPSK      | RB6#0                 | 1.095                                 | 1.357                                    | 10.5                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.093                                 | 1.396                                    | 10.6                           |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.706                                 | 3.045                                    | 10.7                           |
|           |                |              | 16-QAM    | RB15#0                | 2.706                                 | 3.059                                    | 10.8                           |
|           |                | MCH          | QPSK      | RB15#0                | 2.711                                 | 3.061                                    | 10.9                           |
|           |                |              | 16-QAM    | RB15#0                | 2.707                                 | 3.103                                    | 10.10                          |
|           |                | HCH          | QPSK      | RB15#0                | 2.708                                 | 3.109                                    | 10.11                          |
|           |                |              | 16-QAM    | RB15#0                | 2.708                                 | 3.062                                    | 10.12                          |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.522                                 | 5.174                                    | 10.13                          |
|           |                |              | 16-QAM    | RB25#0                | 4.521                                 | 5.151                                    | 10.14                          |
|           |                | MCH          | QPSK      | RB25#0                | 4.515                                 | 5.113                                    | 10.15                          |
|           |                |              | 16-QAM    | RB25#0                | 4.528                                 | 5.106                                    | 10.16                          |
|           |                | HCH          | QPSK      | RB25#0                | 4.515                                 | 5.086                                    | 10.17                          |
|           |                |              | 16-QAM    | RB25#0                | 4.516                                 | 5.209                                    | 10.18                          |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.979                                 | 10.044                                   | 10.19                          |
|           |                |              | 16-QAM    | RB50#0                | 8.971                                 | 10.025                                   | 10.20                          |
|           |                | MCH          | QPSK      | RB50#0                | 8.991                                 | 9.961                                    | 10.21                          |
|           |                |              | 16-QAM    | RB50#0                | 9.004                                 | 10.075                                   | 10.22                          |
|           |                | HCH          | QPSK      | RB50#0                | 8.979                                 | 9.955                                    | 10.23                          |
|           |                |              | 16-QAM    | RB50#0                | 8.966                                 | 9.921                                    | 10.24                          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|--------------------------------|
| Band 7    | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.52                                  | 5.192                                    | 11.1                           |
|           |                |              | 16-QAM    | RB25#0                | 4.513                                 | 5.155                                    | 11.2                           |
|           |                | MCH          | QPSK      | RB25#0                | 4.517                                 | 5.121                                    | 11.3                           |
|           |                |              | 16-QAM    | RB25#0                | 4.521                                 | 5.132                                    | 11.4                           |
|           |                | HCH          | QPSK      | RB25#0                | 4.523                                 | 5.175                                    | 11.5                           |
|           |                |              | 16-QAM    | RB25#0                | 4.523                                 | 5.176                                    | 11.6                           |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.999                                 | 9.981                                    | 11.7                           |
|           |                |              | 16-QAM    | RB50#0                | 9                                     | 10.039                                   | 11.8                           |
|           |                | MCH          | QPSK      | RB50#0                | 9.001                                 | 10.076                                   | 11.9                           |
|           |                |              | 16-QAM    | RB50#0                | 9                                     | 10.116                                   | 11.10                          |
|           |                | HCH          | QPSK      | RB50#0                | 9.006                                 | 10.12                                    | 11.11                          |
|           |                |              | 16-QAM    | RB50#0                | 8.99                                  | 10.072                                   | 11.12                          |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.491                                | 14.974                                   | 11.13                          |
|           |                |              | 16-QAM    | RB75#0                | 13.499                                | 14.963                                   | 11.14                          |
|           |                | MCH          | QPSK      | RB75#0                | 13.48                                 | 14.977                                   | 11.15                          |
|           |                |              | 16-QAM    | RB75#0                | 13.473                                | 14.948                                   | 11.16                          |
|           |                | HCH          | QPSK      | RB75#0                | 13.489                                | 14.938                                   | 11.17                          |
|           |                |              | 16-QAM    | RB75#0                | 13.468                                | 14.891                                   | 11.18                          |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.989                                | 19.74                                    | 11.19                          |
|           |                |              | 16-QAM    | RB100#0               | 17.951                                | 19.72                                    | 11.20                          |
|           |                | MCH          | QPSK      | RB100#0               | 17.977                                | 19.714                                   | 11.21                          |
|           |                |              | 16-QAM    | RB100#0               | 17.958                                | 19.806                                   | 11.22                          |
|           |                | HCH          | QPSK      | RB100#0               | 17.96                                 | 19.801                                   | 11.23                          |
|           |                |              | 16-QAM    | RB100#0               | 17.977                                | 19.752                                   | 11.24                          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|--------------------------------|
| Band 12   | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.094                                 | 1.338                                    | 12.1                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.098                                 | 1.378                                    | 12.2                           |
|           |                | MCH          | QPSK      | RB6#0                 | 1.101                                 | 1.372                                    | 12.3                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.098                                 | 1.363                                    | 12.4                           |
|           |                | HCH          | QPSK      | RB6#0                 | 1.096                                 | 1.337                                    | 12.5                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.099                                 | 1.36                                     | 12.6                           |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.705                                 | 3.086                                    | 12.7                           |
|           |                |              | 16-QAM    | RB15#0                | 2.704                                 | 3.051                                    | 12.8                           |
|           |                | MCH          | QPSK      | RB15#0                | 2.711                                 | 3.085                                    | 12.9                           |
|           |                |              | 16-QAM    | RB15#0                | 2.711                                 | 3.124                                    | 12.10                          |
|           |                | HCH          | QPSK      | RB15#0                | 2.706                                 | 3.029                                    | 12.11                          |
|           |                |              | 16-QAM    | RB15#0                | 2.712                                 | 3.078                                    | 12.12                          |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.515                                 | 5.12                                     | 12.13                          |
|           |                |              | 16-QAM    | RB25#0                | 4.513                                 | 5.174                                    | 12.14                          |
|           |                | MCH          | QPSK      | RB25#0                | 4.521                                 | 5.14                                     | 12.15                          |
|           |                |              | 16-QAM    | RB25#0                | 4.522                                 | 5.169                                    | 12.16                          |
|           |                | HCH          | QPSK      | RB25#0                | 4.514                                 | 5.111                                    | 12.17                          |
|           |                |              | 16-QAM    | RB25#0                | 4.522                                 | 5.12                                     | 12.18                          |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.984                                 | 10.02                                    | 12.19                          |
|           |                |              | 16-QAM    | RB50#0                | 8.977                                 | 10.087                                   | 12.20                          |
|           |                | MCH          | QPSK      | RB50#0                | 8.975                                 | 9.996                                    | 12.21                          |
|           |                |              | 16-QAM    | RB50#0                | 8.992                                 | 9.964                                    | 12.22                          |
|           |                | HCH          | QPSK      | RB50#0                | 8.952                                 | 9.961                                    | 12.23                          |
|           |                |              | 16-QAM    | RB50#0                | 8.982                                 | 10.015                                   | 12.24                          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|--------------------------------|
| Band 13   | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.515                                 | 5.108                                    | 13.1                           |
|           |                |              | 16-QAM    | RB25#0                | 4.511                                 | 5.123                                    | 13.2                           |
|           |                | MCH          | QPSK      | RB25#0                | 4.516                                 | 5.173                                    | 13.3                           |
|           |                |              | 16-QAM    | RB25#0                | 4.515                                 | 5.115                                    | 13.4                           |
|           |                | HCH          | QPSK      | RB25#0                | 4.518                                 | 5.109                                    | 13.5                           |
|           |                |              | 16-QAM    | RB25#0                | 4.516                                 | 5.091                                    | 13.6                           |
|           | 10 MHz         | MCH          | QPSK      | RB50#0                | 8.974                                 | 9.978                                    | 13.7                           |
|           |                |              | 16-QAM    | RB50#0                | 8.971                                 | 10                                       | 13.8                           |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|--------------------------------|
| Band 17   | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.519                                 | 5.145                                    | 14.1                           |
|           |                |              | 16-QAM    | RB25#0                | 4.515                                 | 5.137                                    | 14.2                           |
|           |                | MCH          | QPSK      | RB25#0                | 4.514                                 | 5.135                                    | 14.3                           |
|           |                |              | 16-QAM    | RB25#0                | 4.515                                 | 5.153                                    | 14.4                           |
|           |                | HCH          | QPSK      | RB25#0                | 4.508                                 | 5.124                                    | 14.5                           |
|           |                |              | 16-QAM    | RB25#0                | 4.521                                 | 5.065                                    | 14.6                           |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.964                                 | 9.912                                    | 14.7                           |
|           |                |              | 16-QAM    | RB50#0                | 8.988                                 | 9.964                                    | 14.8                           |
|           |                | MCH          | QPSK      | RB50#0                | 8.974                                 | 10.052                                   | 14.9                           |
|           |                |              | 16-QAM    | RB50#0                | 8.983                                 | 9.949                                    | 14.10                          |
|           |                | HCH          | QPSK      | RB50#0                | 8.957                                 | 9.997                                    | 14.11                          |
|           |                |              | 16-QAM    | RB50#0                | 8.966                                 | 9.919                                    | 14.12                          |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|------------------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|--------------------------------|
| Band 26 (Part22) | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.095                                 | 1.369                                    | 15.1                           |
|                  |                |              | 16-QAM    | RB6#0                 | 1.1                                   | 1.333                                    | 15.2                           |
|                  |                | MCH          | QPSK      | RB6#0                 | 1.096                                 | 1.332                                    | 15.3                           |
|                  |                |              | 16-QAM    | RB6#0                 | 1.098                                 | 1.341                                    | 15.4                           |
|                  |                | HCH          | QPSK      | RB6#0                 | 1.093                                 | 1.311                                    | 15.5                           |
|                  |                |              | 16-QAM    | RB6#0                 | 1.097                                 | 1.365                                    | 15.6                           |
|                  | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.711                                 | 3.094                                    | 15.7                           |
|                  |                |              | 16-QAM    | RB15#0                | 2.707                                 | 3.061                                    | 15.8                           |
|                  |                | MCH          | QPSK      | RB15#0                | 2.7                                   | 3.065                                    | 15.9                           |
|                  |                |              | 16-QAM    | RB15#0                | 2.712                                 | 3.099                                    | 15.10                          |
|                  |                | HCH          | QPSK      | RB15#0                | 2.707                                 | 3.034                                    | 15.11                          |
|                  |                |              | 16-QAM    | RB15#0                | 2.704                                 | 3.09                                     | 15.12                          |
|                  | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.516                                 | 5.166                                    | 15.13                          |
|                  |                |              | 16-QAM    | RB25#0                | 4.517                                 | 5.206                                    | 15.14                          |
|                  |                | MCH          | QPSK      | RB25#0                | 4.522                                 | 5.221                                    | 15.15                          |
|                  |                |              | 16-QAM    | RB25#0                | 4.517                                 | 5.161                                    | 15.16                          |
|                  |                | HCH          | QPSK      | RB25#0                | 4.515                                 | 5.158                                    | 15.17                          |
|                  |                |              | 16-QAM    | RB25#0                | 4.516                                 | 5.137                                    | 15.18                          |
|                  | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.98                                  | 10.058                                   | 15.19                          |
|                  |                |              | 16-QAM    | RB50#0                | 8.983                                 | 10.051                                   | 15.20                          |
|                  |                | MCH          | QPSK      | RB50#0                | 8.985                                 | 10.052                                   | 15.21                          |
|                  |                |              | 16-QAM    | RB50#0                | 8.966                                 | 9.902                                    | 15.22                          |
|                  |                | HCH          | QPSK      | RB50#0                | 8.969                                 | 9.955                                    | 15.23                          |
|                  |                |              | 16-QAM    | RB50#0                | 8.982                                 | 10.018                                   | 15.24                          |
|                  | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.465                                | 14.959                                   | 15.25                          |
|                  |                |              | 16-QAM    | RB75#0                | 13.456                                | 14.909                                   | 15.26                          |
|                  |                | MCH          | QPSK      | RB75#0                | 13.459                                | 14.909                                   | 15.27                          |
|                  |                |              | 16-QAM    | RB75#0                | 13.454                                | 14.875                                   | 15.28                          |
|                  |                | HCH          | QPSK      | RB75#0                | 13.463                                | 14.839                                   | 15.29                          |
|                  |                |              | 16-QAM    | RB75#0                | 13.444                                | 14.822                                   | 15.30                          |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|------------------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|--------------------------------|
| Band 26 (Part90) | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.096                                 | 1.368                                    | 16.1                           |
|                  |                |              | 16-QAM    | RB6#0                 | 1.095                                 | 1.361                                    | 16.2                           |
|                  |                | MCH          | QPSK      | RB6#0                 | 1.098                                 | 1.367                                    | 16.3                           |
|                  |                |              | 16-QAM    | RB6#0                 | 1.095                                 | 1.355                                    | 16.4                           |
|                  |                | HCH          | QPSK      | RB6#0                 | 1.094                                 | 1.358                                    | 16.5                           |
|                  |                |              | 16-QAM    | RB6#0                 | 1.098                                 | 1.36                                     | 16.6                           |
|                  | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.703                                 | 3.094                                    | 16.7                           |
|                  |                |              | 16-QAM    | RB15#0                | 2.703                                 | 3.063                                    | 16.8                           |
|                  |                | MCH          | QPSK      | RB15#0                | 2.705                                 | 3.064                                    | 16.9                           |
|                  |                |              | 16-QAM    | RB15#0                | 2.706                                 | 3.074                                    | 16.10                          |
|                  |                | HCH          | QPSK      | RB15#0                | 2.71                                  | 3.082                                    | 16.11                          |
|                  |                |              | 16-QAM    | RB15#0                | 2.706                                 | 3.079                                    | 16.12                          |
|                  | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.515                                 | 5.117                                    | 16.13                          |
|                  |                |              | 16-QAM    | RB25#0                | 4.514                                 | 5.146                                    | 16.14                          |
|                  |                | MCH          | QPSK      | RB25#0                | 4.506                                 | 5.124                                    | 16.15                          |
|                  |                |              | 16-QAM    | RB25#0                | 4.516                                 | 5.144                                    | 16.16                          |
|                  |                | HCH          | QPSK      | RB25#0                | 4.515                                 | 5.124                                    | 16.17                          |
|                  |                |              | 16-QAM    | RB25#0                | 4.509                                 | 5.201                                    | 16.18                          |
|                  | 10 MHz         | MCH          | QPSK      | RB50#0                | 8.992                                 | 10.036                                   | 16.19                          |
|                  |                |              | 16-QAM    | RB50#0                | 8.978                                 | 10.008                                   | 16.20                          |



| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|--------------------------------|
| Band 66   | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.097                                 | 1.37                                     | 17.1                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.097                                 | 1.327                                    | 17.2                           |
|           |                | MCH          | QPSK      | RB6#0                 | 1.095                                 | 1.323                                    | 17.3                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.1                                   | 1.361                                    | 17.4                           |
|           |                | HCH          | QPSK      | RB6#0                 | 1.096                                 | 1.344                                    | 17.5                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.099                                 | 1.352                                    | 17.6                           |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.704                                 | 3.052                                    | 17.7                           |
|           |                |              | 16-QAM    | RB15#0                | 2.704                                 | 3.059                                    | 17.8                           |
|           |                | MCH          | QPSK      | RB15#0                | 2.71                                  | 3.056                                    | 17.9                           |
|           |                |              | 16-QAM    | RB15#0                | 2.701                                 | 3.077                                    | 17.10                          |
|           |                | HCH          | QPSK      | RB15#0                | 2.704                                 | 3.049                                    | 17.11                          |
|           |                |              | 16-QAM    | RB15#0                | 2.707                                 | 3.047                                    | 17.12                          |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.514                                 | 5.203                                    | 17.13                          |
|           |                |              | 16-QAM    | RB25#0                | 4.519                                 | 5.203                                    | 17.14                          |
|           |                | MCH          | QPSK      | RB25#0                | 4.514                                 | 5.138                                    | 17.15                          |
|           |                |              | 16-QAM    | RB25#0                | 4.517                                 | 5.185                                    | 17.16                          |
|           |                | HCH          | QPSK      | RB25#0                | 4.525                                 | 5.154                                    | 17.17                          |
|           |                |              | 16-QAM    | RB25#0                | 4.517                                 | 5.129                                    | 17.18                          |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 9.002                                 | 9.979                                    | 17.19                          |
|           |                |              | 16-QAM    | RB50#0                | 9.004                                 | 9.999                                    | 17.20                          |
|           |                | MCH          | QPSK      | RB50#0                | 8.987                                 | 10.063                                   | 17.21                          |
|           |                |              | 16-QAM    | RB50#0                | 8.989                                 | 9.994                                    | 17.22                          |
|           |                | HCH          | QPSK      | RB50#0                | 8.986                                 | 9.958                                    | 17.23                          |
|           |                |              | 16-QAM    | RB50#0                | 8.995                                 | 9.995                                    | 17.24                          |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.491                                | 14.863                                   | 17.25                          |
|           |                |              | 16-QAM    | RB75#0                | 13.482                                | 15.066                                   | 17.26                          |
|           |                | MCH          | QPSK      | RB75#0                | 13.479                                | 14.925                                   | 17.27                          |
|           |                |              | 16-QAM    | RB75#0                | 13.464                                | 14.832                                   | 17.28                          |
|           |                | HCH          | QPSK      | RB75#0                | 13.47                                 | 14.981                                   | 17.29                          |
|           |                |              | 16-QAM    | RB75#0                | 13.467                                | 14.961                                   | 17.30                          |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.973                                | 19.664                                   | 17.31                          |
|           |                |              | 16-QAM    | RB100#0               | 17.998                                | 19.809                                   | 17.32                          |
|           |                | MCH          | QPSK      | RB100#0               | 17.931                                | 19.781                                   | 17.33                          |
|           |                |              | 16-QAM    | RB100#0               | 17.96                                 | 19.634                                   | 17.34                          |
|           |                | HCH          | QPSK      | RB100#0               | 17.952                                | 19.721                                   | 17.35                          |
|           |                |              | 16-QAM    | RB100#0               | 17.943                                | 19.769                                   | 17.36                          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|--------------------------------|
| Band 38   | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.521                                 | 5.185                                    | 18.1                           |
|           |                |              | 16-QAM    | RB25#0                | 4.51                                  | 5.194                                    | 18.2                           |
|           |                | MCH          | QPSK      | RB25#0                | 4.518                                 | 5.188                                    | 18.3                           |
|           |                |              | 16-QAM    | RB25#0                | 4.512                                 | 5.172                                    | 18.4                           |
|           |                | HCH          | QPSK      | RB25#0                | 4.512                                 | 5.201                                    | 18.5                           |
|           |                |              | 16-QAM    | RB25#0                | 4.526                                 | 5.218                                    | 18.6                           |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 9.01                                  | 10.11                                    | 18.7                           |
|           |                |              | 16-QAM    | RB50#0                | 9.02                                  | 10.063                                   | 18.8                           |
|           |                | MCH          | QPSK      | RB50#0                | 8.978                                 | 10.038                                   | 18.9                           |
|           |                |              | 16-QAM    | RB50#0                | 9                                     | 10.104                                   | 18.10                          |
|           |                | HCH          | QPSK      | RB50#0                | 8.997                                 | 10.098                                   | 18.11                          |
|           |                |              | 16-QAM    | RB50#0                | 9.01                                  | 10.022                                   | 18.12                          |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.515                                | 15.015                                   | 18.13                          |
|           |                |              | 16-QAM    | RB75#0                | 13.498                                | 15.104                                   | 18.14                          |
|           |                | MCH          | QPSK      | RB75#0                | 13.521                                | 15.073                                   | 18.15                          |
|           |                |              | 16-QAM    | RB75#0                | 13.499                                | 15.016                                   | 18.16                          |
|           |                | HCH          | QPSK      | RB75#0                | 13.467                                | 14.891                                   | 18.17                          |
|           |                |              | 16-QAM    | RB75#0                | 13.504                                | 15.053                                   | 18.18                          |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.965                                | 19.805                                   | 18.19                          |
|           |                |              | 16-QAM    | RB100#0               | 17.969                                | 19.773                                   | 18.20                          |
|           |                | MCH          | QPSK      | RB100#0               | 17.969                                | 19.748                                   | 18.21                          |
|           |                |              | 16-QAM    | RB100#0               | 17.979                                | 19.776                                   | 18.22                          |
|           |                | HCH          | QPSK      | RB100#0               | 17.962                                | 19.748                                   | 18.23                          |
|           |                |              | 16-QAM    | RB100#0               | 18.001                                | 20.604                                   | 18.24                          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|--------------------------------|
| Band 41   | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.514                                 | 5.183                                    | 19.1                           |
|           |                |              | 16-QAM    | RB25#0                | 4.513                                 | 5.212                                    | 19.2                           |
|           |                | MCH          | QPSK      | RB25#0                | 4.509                                 | 5.212                                    | 19.3                           |
|           |                |              | 16-QAM    | RB25#0                | 4.527                                 | 5.211                                    | 19.4                           |
|           |                | HCH          | QPSK      | RB25#0                | 4.544                                 | 5.214                                    | 19.5                           |
|           |                |              | 16-QAM    | RB25#0                | 4.527                                 | 5.212                                    | 19.6                           |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 9.015                                 | 9.999                                    | 19.7                           |
|           |                |              | 16-QAM    | RB50#0                | 9.007                                 | 10.059                                   | 19.8                           |
|           |                | MCH          | QPSK      | RB50#0                | 8.987                                 | 10.062                                   | 19.9                           |
|           |                |              | 16-QAM    | RB50#0                | 9.014                                 | 10.027                                   | 19.10                          |
|           |                | HCH          | QPSK      | RB50#0                | 8.98                                  | 10.099                                   | 19.11                          |
|           |                |              | 16-QAM    | RB50#0                | 9.006                                 | 10.04                                    | 19.12                          |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.55                                 | 15.141                                   | 19.13                          |
|           |                |              | 16-QAM    | RB75#0                | 13.502                                | 15                                       | 19.14                          |
|           |                | MCH          | QPSK      | RB75#0                | 13.497                                | 15.022                                   | 19.15                          |
|           |                |              | 16-QAM    | RB75#0                | 13.503                                | 14.958                                   | 19.16                          |
|           |                | HCH          | QPSK      | RB75#0                | 13.529                                | 15.184                                   | 19.17                          |
|           |                |              | 16-QAM    | RB75#0                | 13.51                                 | 15.039                                   | 19.18                          |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.971                                | 19.685                                   | 19.19                          |
|           |                |              | 16-QAM    | RB100#0               | 17.98                                 | 19.914                                   | 19.20                          |
|           |                | MCH          | QPSK      | RB100#0               | 17.984                                | 19.897                                   | 19.21                          |
|           |                |              | 16-QAM    | RB100#0               | 17.973                                | 19.786                                   | 19.22                          |
|           |                | HCH          | QPSK      | RB100#0               | 17.993                                | 19.753                                   | 19.23                          |
|           |                |              | 16-QAM    | RB100#0               | 17.982                                | 19.973                                   | 19.24                          |

| Test Channel | Modulation | PCC RB |        | SCC RB |        | Measured 99% Occupied Bandwidth (MHz) | Measured - 26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|--------------|------------|--------|--------|--------|--------|---------------------------------------|-------------------------------------------|--------------------------------|
|              |            | Size   | Offset | Size   | Offset |                                       |                                           |                                |
| <b>CA_7C</b> |            |        |        |        |        |                                       |                                           |                                |
| 10MHz+20MHz  |            |        |        |        |        |                                       |                                           |                                |
| Mid          | QPSK       | 50     | 0      | 100    | 0      | 27.92                                 | 29.76                                     | 20.1                           |
|              | 16-QAM     | 50     | 0      | 100    | 0      | 27.9                                  | 29.67                                     | 20.2                           |
| 20MHz+10MHz  |            |        |        |        |        |                                       |                                           |                                |
| Mid          | QPSK       | 100    | 0      | 50     | 0      | 27.91                                 | 29.86                                     | 20.3                           |
|              | 16-QAM     | 100    | 0      | 50     | 0      | 27.88                                 | 29.84                                     | 20.4                           |
| 15MHz+15MHz  |            |        |        |        |        |                                       |                                           |                                |
| Mid          | QPSK       | 75     | 0      | 75     | 0      | 28.48                                 | 30.53                                     | 20.5                           |
|              | 16-QAM     | 75     | 0      | 75     | 0      | 28.46                                 | 30.52                                     | 20.6                           |
| 15MHz+20MHz  |            |        |        |        |        |                                       |                                           |                                |
| Mid          | QPSK       | 75     | 0      | 100    | 0      | 32.81                                 | 35.03                                     | 20.7                           |
|              | 16-QAM     | 75     | 0      | 100    | 0      | 32.77                                 | 35.05                                     | 20.8                           |
| 20MHz+15MHz  |            |        |        |        |        |                                       |                                           |                                |
| Mid          | QPSK       | 100    | 0      | 75     | 0      | 32.8                                  | 35.08                                     | 20.9                           |
|              | 16-QAM     | 100    | 0      | 75     | 0      | 32.81                                 | 35.04                                     | 20.10                          |
| 20MHz+20MHz  |            |        |        |        |        |                                       |                                           |                                |
| Mid          | QPSK       | 100    | 0      | 100    | 0      | 37.77                                 | 40.43                                     | 20.11                          |
|              | 16-QAM     | 100    | 0      | 100    | 0      | 37.76                                 | 40.42                                     | 20.12                          |

| Test Channel  | Modulation | PCC RB |        | SCC RB |        | Measured 99% Occupied Bandwidth (MHz) | Measured - 26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|---------------|------------|--------|--------|--------|--------|---------------------------------------|-------------------------------------------|--------------------------------|
|               |            | Size   | Offset | Size   | Offset |                                       |                                           |                                |
| <b>CA_38C</b> |            |        |        |        |        |                                       |                                           |                                |
| 15MHz+15MHz   |            |        |        |        |        |                                       |                                           |                                |
| Mid           | QPSK       | 75     | 0      | 75     | 0      | 28.5                                  | 30.52                                     | 21.1                           |
|               | 16-QAM     | 75     | 0      | 75     | 0      | 28.45                                 | 30.55                                     | 24.2                           |
| 20MHz+20MHz   |            |        |        |        |        |                                       |                                           |                                |
| Mid           | QPSK       | 100    | 0      | 100    | 0      | 37.71                                 | 40.29                                     | 21.3                           |
|               | 16-QAM     | 100    | 0      | 100    | 0      | 37.74                                 | 40.22                                     | 21.4                           |

| Test Channel  | Modulation | PCC RB |        | SCC RB |        | Measured 99% Occupied Bandwidth (MHz) | Measured - 26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|---------------|------------|--------|--------|--------|--------|---------------------------------------|-------------------------------------------|--------------------------------|
|               |            | Size   | Offset | Size   | Offset |                                       |                                           |                                |
| <b>CA_41C</b> |            |        |        |        |        |                                       |                                           |                                |
| 5MHz+20MHz    |            |        |        |        |        |                                       |                                           |                                |
| Mid           | QPSK       | 25     | 0      | 100    | 0      | 23.02                                 | 24.54                                     | 22.1                           |
|               | 16-QAM     | 25     | 0      | 100    | 0      | 22.94                                 | 24.42                                     | 22.2                           |
| 20MHz+5MHz    |            |        |        |        |        |                                       |                                           |                                |
| Mid           | QPSK       | 100    | 0      | 25     | 0      | 22.99                                 | 24.69                                     | 22.3                           |
|               | 16-QAM     | 100    | 0      | 25     | 0      | 23                                    | 24.55                                     | 22.4                           |
| 10MHz+20MHz   |            |        |        |        |        |                                       |                                           |                                |
| Mid           | QPSK       | 50     | 0      | 100    | 0      | 27.85                                 | 29.88                                     | 22.5                           |
|               | 16-QAM     | 50     | 0      | 100    | 0      | 27.87                                 | 29.7                                      | 22.6                           |
| 20MHz+10MHz   |            |        |        |        |        |                                       |                                           |                                |
| Mid           | QPSK       | 100    | 0      | 50     | 0      | 27.94                                 | 29.91                                     | 22.7                           |
|               | 16-QAM     | 100    | 0      | 50     | 0      | 27.88                                 | 29.72                                     | 22.8                           |
| 15MHz+15MHz   |            |        |        |        |        |                                       |                                           |                                |
| Mid           | QPSK       | 75     | 0      | 75     | 0      | 28.47                                 | 30.65                                     | 22.9                           |
|               | 16-QAM     | 75     | 0      | 75     | 0      | 28.47                                 | 30.6                                      | 22.10                          |
| 15MHz+20MHz   |            |        |        |        |        |                                       |                                           |                                |
| Mid           | QPSK       | 75     | 0      | 100    | 0      | 32.78                                 | 35.07                                     | 22.11                          |
|               | 16-QAM     | 75     | 0      | 100    | 0      | 32.74                                 | 35.03                                     | 22.12                          |
| 20MHz+15MHz   |            |        |        |        |        |                                       |                                           |                                |
| Mid           | QPSK       | 100    | 0      | 75     | 0      | 32.76                                 | 34.98                                     | 22.13                          |
|               | 16-QAM     | 100    | 0      | 75     | 0      | 32.78                                 | 35.1                                      | 22.14                          |
| 20MHz+20MHz   |            |        |        |        |        |                                       |                                           |                                |
| Mid           | QPSK       | 100    | 0      | 100    | 0      | 37.74                                 | 40.38                                     | 22.15                          |
|               | 16-QAM     | 100    | 0      | 100    | 0      | 37.69                                 | 40.31                                     | 22.16                          |

## NR Mode Test Data

| Test Band | NR Test Bandwidth | Test Channel | Test Mode | NR UL RB No. | NR UL RB Pos. | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Verdict | Refer to Plot <sup>Not e2</sup> |
|-----------|-------------------|--------------|-----------|--------------|---------------|---------------------------------------|------------------------------------------|---------|---------------------------------|
| n5        | 5 MHz             | LCH          | QPSK      | 25           | 0             | 4.54                                  | 5.35                                     | Pass    | 23.1                            |
|           |                   | MCH          | QPSK      | 25           | 0             | 4.5                                   | 5.21                                     | Pass    | 23.2                            |
|           |                   | HCH          | QPSK      | 25           | 0             | 4.52                                  | 5.26                                     | Pass    | 23.3                            |
|           | 10 MHz            | LCH          | QPSK      | 52           | 0             | 9.27                                  | 9.79                                     | Pass    | 23.4                            |
|           |                   | MCH          | QPSK      | 52           | 0             | 9.26                                  | 9.83                                     | Pass    | 23.5                            |
|           |                   | HCH          | QPSK      | 52           | 0             | 9.26                                  | 9.81                                     | Pass    | 23.6                            |
|           | 15 MHz            | LCH          | QPSK      | 79           | 0             | 14.08                                 | 14.73                                    | Pass    | 23.7                            |
|           |                   | MCH          | QPSK      | 79           | 0             | 14.08                                 | 14.69                                    | Pass    | 23.8                            |
|           |                   | HCH          | QPSK      | 79           | 0             | 14.09                                 | 14.69                                    | Pass    | 23.9                            |
|           | 20 MHz            | LCH          | QPSK      | 106          | 0             | 18.88                                 | 19.51                                    | Pass    | 23.10                           |
|           |                   | MCH          | QPSK      | 106          | 0             | 18.89                                 | 19.59                                    | Pass    | 23.11                           |
|           |                   | HCH          | QPSK      | 106          | 0             | 18.86                                 | 19.49                                    | Pass    | 23.12                           |
| n7        | 5 MHz             | LCH          | QPSK      | 25           | 0             | 4.52                                  | 5.37                                     | Pass    | 24.1                            |
|           |                   | MCH          | QPSK      | 25           | 0             | 4.52                                  | 5.36                                     | Pass    | 24.2                            |
|           |                   | HCH          | QPSK      | 25           | 0             | 4.53                                  | 5.39                                     | Pass    | 24.3                            |
|           | 10 MHz            | LCH          | QPSK      | 52           | 0             | 9.28                                  | 9.96                                     | Pass    | 24.4                            |
|           |                   | MCH          | QPSK      | 52           | 0             | 9.28                                  | 9.94                                     | Pass    | 24.5                            |
|           |                   | HCH          | QPSK      | 52           | 0             | 9.3                                   | 10                                       | Pass    | 24.6                            |
|           | 15 MHz            | LCH          | QPSK      | 79           | 0             | 14.09                                 | 14.72                                    | Pass    | 24.7                            |
|           |                   | MCH          | QPSK      | 79           | 0             | 14.1                                  | 14.76                                    | Pass    | 24.8                            |
|           |                   | HCH          | QPSK      | 79           | 0             | 14.1                                  | 14.68                                    | Pass    | 24.9                            |
|           | 20 MHz            | LCH          | QPSK      | 106          | 0             | 18.91                                 | 19.62                                    | Pass    | 24.10                           |
|           |                   | MCH          | QPSK      | 106          | 0             | 18.91                                 | 19.63                                    | Pass    | 24.11                           |
|           |                   | HCH          | QPSK      | 106          | 0             | 18.92                                 | 19.67                                    | Pass    | 24.12                           |
|           | 25 MHz            | LCH          | QPSK      | 133          | 0             | 24.13                                 | 26.36                                    | Pass    | 24.13                           |
|           |                   | MCH          | QPSK      | 133          | 0             | 24.16                                 | 26.39                                    | Pass    | 24.14                           |
|           |                   | HCH          | QPSK      | 133          | 0             | 24.19                                 | 26.45                                    | Pass    | 24.15                           |
|           | 30 MHz            | LCH          | QPSK      | 160          | 0             | 28.88                                 | 31.1                                     | Pass    | 24.16                           |
|           |                   | MCH          | QPSK      | 160          | 0             | 28.88                                 | 31.09                                    | Pass    | 24.17                           |
|           |                   | HCH          | QPSK      | 160          | 0             | 28.91                                 | 31.12                                    | Pass    | 24.18                           |
|           | 40 MHz            | LCH          | QPSK      | 216          | 0             | 38.81                                 | 41.26                                    | Pass    | 24.19                           |
|           |                   | MCH          | QPSK      | 216          | 0             | 38.81                                 | 41.2                                     | Pass    | 24.20                           |
|           |                   | HCH          | QPSK      | 216          | 0             | 38.85                                 | 41.24                                    | Pass    | 24.21                           |
| n66       | 5 MHz             | LCH          | QPSK      | 25           | 0             | 4.53                                  | 5.28                                     | Pass    | 25.1                            |
|           |                   | MCH          | QPSK      | 25           | 0             | 4.53                                  | 5.28                                     | Pass    | 25.2                            |
|           |                   | HCH          | QPSK      | 25           | 0             | 4.54                                  | 5.3                                      | Pass    | 25.3                            |
|           | 10 MHz            | LCH          | QPSK      | 52           | 0             | 9.28                                  | 9.91                                     | Pass    | 25.4                            |

| Test Band | NR Test Bandwidth | Test Channel | Test Mode | NR UL RB No. | NR UL RB Pos. | Measured 99% Occupied Bandwidth (MHz) | Measured - 26 dB Occupied Bandwidth (MHz) | Verdict | Refer to Plot <sup>Not e2</sup> |      |
|-----------|-------------------|--------------|-----------|--------------|---------------|---------------------------------------|-------------------------------------------|---------|---------------------------------|------|
|           |                   | MCH          | QPSK      | 52           | 0             | 9.28                                  | 9.93                                      | Pass    | 25.5                            |      |
|           |                   | HCH          | QPSK      | 52           | 0             | 9.28                                  | 9.9                                       | Pass    | 25.6                            |      |
|           | 15 MHz            | LCH          | QPSK      | 79           | 0             | 14.09                                 | 14.65                                     | Pass    | 25.7                            |      |
|           |                   | MCH          | QPSK      | 79           | 0             | 14.09                                 | 14.7                                      | Pass    | 25.8                            |      |
|           |                   | HCH          | QPSK      | 79           | 0             | 14.08                                 | 14.76                                     | Pass    | 25.9                            |      |
|           | 20 MHz            | LCH          | QPSK      | 106          | 0             | 18.9                                  | 19.59                                     | Pass    | 25.10                           |      |
|           |                   | MCH          | QPSK      | 106          | 0             | 18.88                                 | 19.59                                     | Pass    | 25.11                           |      |
|           |                   | HCH          | QPSK      | 106          | 0             | 18.9                                  | 19.63                                     | Pass    | 25.12                           |      |
|           | 30 MHz            | LCH          | QPSK      | 160          | 0             | 28.89                                 | 31.02                                     | Pass    | 25.13                           |      |
|           |                   | MCH          | QPSK      | 160          | 0             | 28.79                                 | 31.01                                     | Pass    | 25.14                           |      |
|           |                   | HCH          | QPSK      | 160          | 0             | 28.86                                 | 31.07                                     | Pass    | 25.15                           |      |
|           | 40 MHz            | LCH          | QPSK      | 216          | 0             | 38.86                                 | 41.25                                     | Pass    | 25.16                           |      |
|           |                   | MCH          | QPSK      | 216          | 0             | 38.72                                 | 41.16                                     | Pass    | 25.17                           |      |
|           |                   | HCH          | QPSK      | 216          | 0             | 38.75                                 | 41.13                                     | Pass    | 25.18                           |      |
|           | n38               | 20 MHz       | LCH       | QPSK         | 51            | 0                                     | 18.19                                     | 18.9    | Pass                            | 26.1 |
|           |                   |              | MCH       | QPSK         | 51            | 0                                     | 18.18                                     | 19.06   | Pass                            | 26.2 |
|           |                   |              | HCH       | QPSK         | 51            | 0                                     | 18.2                                      | 18.92   | Pass                            | 26.3 |
|           |                   | 30 MHz       | LCH       | QPSK         | 78            | 0                                     | 28.14                                     | 30.81   | Pass                            | 26.4 |
| MCH       |                   |              | QPSK      | 78           | 0             | 28.16                                 | 30.83                                     | Pass    | 26.5                            |      |
| HCH       |                   |              | QPSK      | 78           | 0             | 28.17                                 | 30.8                                      | Pass    | 26.6                            |      |
| 40 MHz    |                   | LCH          | QPSK      | 106          | 0             | 38.03                                 | 41                                        | Pass    | 26.7                            |      |
|           |                   | MCH          | QPSK      | 106          | 0             | 38.04                                 | 40.86                                     | Pass    | 26.8                            |      |
|           |                   | HCH          | QPSK      | 106          | 0             | 38.03                                 | 40.82                                     | Pass    | 26.9                            |      |
| n41       | 20 MHz            | LCH          | QPSK      | 51           | 0             | 18.22                                 | 18.91                                     | Pass    | 27.1                            |      |
|           |                   | MCH          | QPSK      | 51           | 0             | 18.22                                 | 19.16                                     | Pass    | 27.2                            |      |
|           |                   | HCH          | QPSK      | 51           | 0             | 18.2                                  | 18.94                                     | Pass    | 27.3                            |      |
|           | 30 MHz            | LCH          | QPSK      | 78           | 0             | 28.12                                 | 30.94                                     | Pass    | 27.4                            |      |
|           |                   | MCH          | QPSK      | 78           | 0             | 28.11                                 | 30.84                                     | Pass    | 27.5                            |      |
|           |                   | HCH          | QPSK      | 78           | 0             | 28.13                                 | 30.67                                     | Pass    | 27.6                            |      |
|           | 40 MHz            | LCH          | QPSK      | 106          | 0             | 38.07                                 | 40.93                                     | Pass    | 27.7                            |      |
|           |                   | MCH          | QPSK      | 106          | 0             | 38.05                                 | 40.79                                     | Pass    | 27.8                            |      |
|           |                   | HCH          | QPSK      | 106          | 0             | 38.08                                 | 40.92                                     | Pass    | 27.9                            |      |
|           | 50 MHz            | LCH          | QPSK      | 133          | 0             | 47.58                                 | 50.74                                     | Pass    | 27.10                           |      |
|           |                   | MCH          | QPSK      | 133          | 0             | 47.6                                  | 50.6                                      | Pass    | 27.11                           |      |
|           |                   | HCH          | QPSK      | 133          | 0             | 47.58                                 | 50.56                                     | Pass    | 27.12                           |      |
|           | 60 MHz            | LCH          | QPSK      | 162          | 0             | 57.73                                 | 61.01                                     | Pass    | 27.13                           |      |
|           |                   | MCH          | QPSK      | 162          | 0             | 57.74                                 | 60.9                                      | Pass    | 27.14                           |      |
|           |                   | HCH          | QPSK      | 162          | 0             | 57.76                                 | 61.03                                     | Pass    | 27.15                           |      |

| Test Band | NR Test Bandwidth | Test Channel | Test Mode | NR UL RB No. | NR UL RB Pos. | Measured 99% Occupied Bandwidth (MHz) | Measured - 26 dB Occupied Bandwidth (MHz) | Verdict | Refer to Plot <sup>Note2</sup> |
|-----------|-------------------|--------------|-----------|--------------|---------------|---------------------------------------|-------------------------------------------|---------|--------------------------------|
|           | 70 MHz            | LCH          | QPSK      | 189          | 0             | 67.46                                 | 70.66                                     | Pass    | 27.16                          |
|           |                   | MCH          | QPSK      | 189          | 0             | 67.47                                 | 70.75                                     | Pass    | 27.17                          |
|           |                   | HCH          | QPSK      | 189          | 0             | 67.47                                 | 70.65                                     | Pass    | 27.18                          |
|           | 80 MHz            | LCH          | QPSK      | 217          | 0             | 77.39                                 | 80.74                                     | Pass    | 27.19                          |
|           |                   | MCH          | QPSK      | 217          | 0             | 77.34                                 | 80.79                                     | Pass    | 27.20                          |
|           |                   | HCH          | QPSK      | 217          | 0             | 77.4                                  | 81.02                                     | Pass    | 27.21                          |
|           | 90 MHz            | LCH          | QPSK      | 245          | 0             | 87.37                                 | 91.03                                     | Pass    | 27.22                          |
|           |                   | MCH          | QPSK      | 245          | 0             | 87.31                                 | 91.04                                     | Pass    | 27.23                          |
|           |                   | HCH          | QPSK      | 245          | 0             | 87.38                                 | 91.04                                     | Pass    | 27.24                          |
|           | 100 MHz           | LCH          | QPSK      | 273          | 0             | 97.36                                 | 101.12                                    | Pass    | 27.25                          |
|           |                   | MCH          | QPSK      | 273          | 0             | 97.31                                 | 101.04                                    | Pass    | 27.26                          |
|           |                   | HCH          | QPSK      | 273          | 0             | 97.33                                 | 100.84                                    | Pass    | 27.27                          |



## 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) |         |
| 3.8             | -30              | 5.23                | ±2060.5     | 5.33             | ±2091.5     | 12.27            | ±2122       | Pass    |
|                 | -20              | 6.97                |             | 2.87             |             | 5.94             |             |         |
|                 | -10              | 6.81                |             | 6.97             |             | 5.94             |             |         |
|                 | 0                | 5.13                |             | 10.17            |             | 5.1              |             |         |
|                 | 10               | 5                   |             | 6.46             |             | 8.39             |             |         |
|                 | 20               | 5.49                |             | 7.1              |             | 10.36            |             |         |
|                 | 25               | 4.23                |             | 4.07             |             | 5.13             |             |         |
|                 | 30               | 6.94                |             | 6.26             |             | 8.07             |             |         |
|                 | 40               | 5.88                |             | -7.36            |             | 5.78             |             |         |
| 50              | 8.94             | 3.03                | 8.91        |                  |             |                  |             |         |
| 4.4             | 25               | 5.1                 |             | 3.49             |             | 7.04             |             |         |
| 3.6             | 25               | 6.3                 |             | 4.39             |             | 7.17             |             |         |

GSM 1900

| Test Conditions |                  | Frequency Deviation |             |                 |             |                   |             | Verdict |
|-----------------|------------------|---------------------|-------------|-----------------|-------------|-------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | LCH<br>1850.2 MHz   |             | MCH<br>1880 MHz |             | HCH<br>1909.8 MHz |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) | Value (Hz)      | Limits (Hz) | Value (Hz)        | Limits (Hz) |         |
| 3.8             | -30              | 3.65                | ±4625.5     | -9.78           | ±4700.0     | 4.88              | ±4774.5     | Pass    |
|                 | -20              | -8.43               |             | -4.46           |             | -6.23             |             |         |
|                 | -10              | -10.01              |             | -6.07           |             | -7.17             |             |         |
|                 | 0                | 3.07                |             | -11.49          |             | -3.58             |             |         |
|                 | 10               | -13.17              |             | -4.71           |             | 6.1               |             |         |
|                 | 20               | -9.52               |             | -6.88           |             | 5.04              |             |         |
|                 | 25               | -8.46               |             | -5.81           |             | 6.23              |             |         |
|                 | 30               | 3.78                |             | -9.04           |             | 8.1               |             |         |
|                 | 40               | -7.1                |             | -6.36           |             | 4.39              |             |         |
| 50              | -7.14            | -10.53              | -4.39       |                 |             |                   |             |         |
| 4.4             | 25               | -8.2                |             | -5.91           |             | -4.33             |             |         |
| 3.6             | 25               | -4.78               |             | -4.26           |             | -4.84             |             |         |

GPRS 850

| Test Conditions |                  | Frequency Deviation |             |                  |             |                  |             | Verdict |
|-----------------|------------------|---------------------|-------------|------------------|-------------|------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | LCH<br>824.2 MHz    |             | MCH<br>836.6 MHz |             | HCH<br>848.8 MHz |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) | Value (Hz)       | Limits (Hz) | Value (Hz)       | Limits (Hz) |         |
| 3.8             | -30              | 17.08               | ±2060.5     | 16.85            | ±2091.5     | 17.47            | ±2122       | Pass    |
|                 | -20              | 18.37               |             | 17.98            |             | 15.11            |             |         |
|                 | -10              | 15.85               |             | 16.82            |             | 13.92            |             |         |
|                 | 0                | 14.66               |             | 17.72            |             | 14.21            |             |         |
|                 | 10               | 14.4                |             | 15.85            |             | 14.95            |             |         |
|                 | 20               | 14.5                |             | 16.43            |             | 15.4             |             |         |
|                 | 25               | 13.01               |             | 14.59            |             | 15.3             |             |         |
|                 | 30               | 14.53               |             | 16.01            |             | 14.82            |             |         |
|                 | 40               | 14.33               |             | 15.69            |             | 13.98            |             |         |
|                 | 50               | 14.21               |             | 14.63            |             | 16.95            |             |         |
| 4.4             | 25               | 15.05               |             | 17.18            |             | 14.17            |             |         |
| 3.6             | 25               | 12.85               |             | 17.21            |             | 15.24            |             |         |

GPRS 1900

| Test Conditions |                  | Frequency Deviation |             |                 |             |                   |             | Verdict |
|-----------------|------------------|---------------------|-------------|-----------------|-------------|-------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | LCH<br>1850.2 MHz   |             | MCH<br>1880 MHz |             | HCH<br>1909.8 MHz |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) | Value (Hz)      | Limits (Hz) | Value (Hz)        | Limits (Hz) |         |
| 3.8             | -30              | 10.2                | ±4625.5     | 12.59           | ±4700.0     | -14.46            | ±4774.5     | Pass    |
|                 | -20              | 9.69                |             | 9.88            |             | -15.69            |             |         |
|                 | -10              | 9.62                |             | 11.14           |             | 7.62              |             |         |
|                 | 0                | 9.72                |             | 10.17           |             | 9.94              |             |         |
|                 | 10               | 10.33               |             | 10.59           |             | 9.88              |             |         |
|                 | 20               | 7.78                |             | 9.2             |             | 11.04             |             |         |
|                 | 25               | 9.94                |             | 10.14           |             | 9.88              |             |         |
|                 | 30               | 8.75                |             | 8.33            |             | 13.5              |             |         |
|                 | 40               | 10.69               |             | 8.88            |             | 11.66             |             |         |
|                 | 50               | 9.43                |             | 9.46            |             | 10.49             |             |         |
| 4.4             | 25               | 8.94                |             | 9.78            |             | 9.94              |             |         |
| 3.6             | 25               | 9.65                |             | 9.46            |             | 9.23              |             |         |

## 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) |         |
| 3.8             | -30              | 17.98               | ±2060.5     | 20.31            | ±2091.5     | 20.79            | ±2122       | Pass    |
|                 | -20              | 20.82               |             | 21.95            |             | 19.05            |             |         |
|                 | -10              | 17.11               |             | 19.4             |             | 18.98            |             |         |
|                 | 0                | 17.89               |             | 22.96            |             | 20.08            |             |         |
|                 | 10               | 19.6                |             | 22.31            |             | 20.66            |             |         |
|                 | 20               | 19.02               |             | 20.6             |             | 20.02            |             |         |
|                 | 25               | 19.4                |             | 21.02            |             | 17.05            |             |         |
|                 | 30               | 19.98               |             | 21.63            |             | 16.69            |             |         |
|                 | 40               | 18.53               |             | 20.44            |             | 19.37            |             |         |
|                 | 50               | 21.86               |             | 19.63            |             | 19.86            |             |         |
| 4.4             | 25               | 17.11               |             | 20.92            |             | 18.21            |             |         |
| 3.6             | 25               | 17.37               |             | 17.98            |             | 20.79            |             |         |

## 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) |         |
| 3.8             | -30              | 15.63               | ±4625.5     | 16.5            | ±4700.0     | 12.27             | ±4774.5     | Pass    |
|                 | -20              | 12.59               |             | 12.17           |             | 14.56             |             |         |
|                 | -10              | 12.91               |             | 14.27           |             | 12.49             |             |         |
|                 | 0                | 12.33               |             | 9.1             |             | 8.81              |             |         |
|                 | 10               | 17.6                |             | 19.24           |             | 18.4              |             |         |
|                 | 20               | 11.75               |             | 18.79           |             | 15.17             |             |         |
|                 | 25               | 16.56               |             | 13.95           |             | 16.11             |             |         |
|                 | 30               | 10.98               |             | 15.82           |             | 12.49             |             |         |
|                 | 40               | 12.07               |             | 14.46           |             | 16.95             |             |         |
|                 | 50               | 13.72               |             | 13.59           |             | 14.17             |             |         |
| 4.4             | 25               | 10.91               |             | 9.62            |             | 11.66             |             |         |
| 3.6             | 25               | 13.14               |             | 11.59           |             | 11.36             |             |         |

## WCDMA Band 2

| Test Conditions |                  | Frequency Deviation |             |                 |             |                   |             | Verdict |
|-----------------|------------------|---------------------|-------------|-----------------|-------------|-------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | LCH<br>1852.4 MHz   |             | MCH<br>1880 MHz |             | HCH<br>1907.6 MHz |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) | Value (Hz)      | Limits (Hz) | Value (Hz)        | Limits (Hz) |         |
| 3.8             | -30              | 3.36                | ±4631       | 2.68            | ±4700       | 1.64              | ±4769       | Pass    |
|                 | -20              | 4.71                |             | 2.98            |             | 1.07              |             |         |
|                 | -10              | 3.91                |             | 1.74            |             | 1.65              |             |         |
|                 | 0                | 4.84                |             | 3.21            |             | 1.6               |             |         |
|                 | 10               | 3.37                |             | 2.12            |             | 1.66              |             |         |
|                 | 20               | 3.99                |             | 3.21            |             | 1.07              |             |         |
|                 | 25               | 3.98                |             | 2.68            |             | 2.2               |             |         |
|                 | 30               | 4.19                |             | 2.24            |             | 1.64              |             |         |
|                 | 40               | 3.93                |             | 2.96            |             | 1.64              |             |         |
|                 | 50               | 3.69                |             | 2.62            |             | 2.45              |             |         |
| 4.4             | 25               | 4.32                |             | 3.17            |             | 1.84              |             |         |
| 3.6             | 25               | 4.39                |             | 2.83            |             | 1.9               |             |         |

## WCDMA Band 4

| Test Conditions |                  | Frequency Deviation |             |                   |             |                   |             | Verdict |
|-----------------|------------------|---------------------|-------------|-------------------|-------------|-------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | LCH<br>1712.4 MHz   |             | MCH<br>1732.4 MHz |             | HCH<br>1752.6 MHz |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) | Value (Hz)        | Limits (Hz) | Value (Hz)        | Limits (Hz) |         |
| 3.8             | -30              | 7.07                | ±4281       | 1.77              | ±4331       | -3.68             | ±4381.5     | Pass    |
|                 | -20              | 7.62                |             | 1.9               |             | -4.58             |             |         |
|                 | -10              | 7.57                |             | 1.98              |             | -4.15             |             |         |
|                 | 0                | 7.01                |             | 1.87              |             | -4.01             |             |         |
|                 | 10               | 6.76                |             | 1.95              |             | -3.68             |             |         |
|                 | 20               | 6.39                |             | 1.25              |             | -3.89             |             |         |
|                 | 25               | 5.88                |             | 1.4               |             | -4.42             |             |         |
|                 | 30               | 6.44                |             | 1.73              |             | -3.28             |             |         |
|                 | 40               | 6.02                |             | 1.85              |             | -2.46             |             |         |
|                 | 50               | 5.86                |             | 1.91              |             | -3.62             |             |         |
| 4.4             | 25               | 5.99                |             | 2.26              |             | -3.79             |             |         |
| 3.6             | 25               | 6.25                |             | 1.66              |             | -2.95             |             |         |

## WCDMA Band B5

| Test Conditions |                  | Frequency Deviation |             |                  |             |                  |             | Verdict |
|-----------------|------------------|---------------------|-------------|------------------|-------------|------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | LCH<br>826.4 MHz    |             | MCH<br>836.4 MHz |             | HCH<br>846.6 MHz |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) | Value (Hz)       | Limits (Hz) | Value (Hz)       | Limits (Hz) |         |
| 3.8             | -30              | -0.2                | ±2066       | -0.32            | ±2091       | 0.21             | ±2116.5     | Pass    |
|                 | -20              | 0.07                |             | 0.47             |             | 0.15             |             |         |
|                 | -10              | 0.4                 |             | -0.17            |             | 0.14             |             |         |
|                 | 0                | 0.09                |             | 0.01             |             | 0.23             |             |         |
|                 | 10               | 0.64                |             | 0.21             |             | 0.15             |             |         |
|                 | 20               | -0.04               |             | 0.14             |             | -0.09            |             |         |
|                 | 25               | 0.27                |             | 0.47             |             | 0.14             |             |         |
|                 | 30               | 0.51                |             | -0.02            |             | 0.3              |             |         |
|                 | 40               | 0.36                |             | 0.06             |             | 0.54             |             |         |
|                 | 50               | 0.49                |             | -0.17            |             | -0.01            |             |         |
| 4.4             | 25               | -0.19               |             | 0.16             |             | 0.28             |             |         |
| 3.6             | 25               | 0.52                |             | 0.17             |             | 0.44             |             |         |

LTE Band 2 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1880 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | 0.5                 | ±4700       | Pass    |
|                 | -20              | -0.01               |             |         |
|                 | -10              | -0.94               |             |         |
|                 | 0                | -0.03               |             |         |
|                 | 10               | 0.04                |             |         |
|                 | 20               | -0.69               |             |         |
|                 | 25               | -0.23               |             |         |
|                 | 30               | 0.84                |             |         |
|                 | 40               | -0.29               |             |         |
|                 | 50               | -1.27               |             |         |
| 4.4             | 25               | -0.99               |             |         |
| 3.6             | 25               | -0.7                |             |         |

LTE Band 2 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1880 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -0.57               | ±4700       | Pass    |
|                 | -20              | 0.69                |             |         |
|                 | -10              | 0.27                |             |         |
|                 | 0                | -0.06               |             |         |
|                 | 10               | -0.37               |             |         |
|                 | 20               | -0.99               |             |         |
|                 | 25               | -0.37               |             |         |
|                 | 30               | -0.37               |             |         |
|                 | 40               | -0.21               |             |         |
|                 | 50               | -0.33               |             |         |
| 4.4             | 25               | 0.43                |             |         |
| 3.6             | 25               | -0.17               |             |         |

LTE Band 4 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1732.5 MHz   |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -0.01               | ±4331.25    | Pass    |
|                 | -20              | -0.74               |             |         |
|                 | -10              | -1.37               |             |         |
|                 | 0                | -2.27               |             |         |
|                 | 10               | -0.73               |             |         |
|                 | 20               | -0.76               |             |         |
|                 | 25               | -2.22               |             |         |
|                 | 30               | -1.8                |             |         |
|                 | 40               | -1.97               |             |         |
|                 | 50               | -1.92               |             |         |
| 4.4             | 25               | -1.4                |             |         |
| 3.6             | 25               | -0.92               |             |         |

LTE Band 4 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1732.5 MHz   |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -1.34               | ±4331.25    | Pass    |
|                 | -20              | -0.04               |             |         |
|                 | -10              | -1.9                |             |         |
|                 | 0                | -0.87               |             |         |
|                 | 10               | -1.17               |             |         |
|                 | 20               | -0.57               |             |         |
|                 | 25               | -0.72               |             |         |
|                 | 30               | -1.89               |             |         |
|                 | 40               | -1.77               |             |         |
|                 | 50               | -1.8                |             |         |
| 4.4             | 25               | -1.57               |             |         |
| 3.6             | 25               | -1.95               |             |         |

LTE Band 5 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>836.5 MHz    |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -0.7                | ±2091.25    | Pass    |
|                 | -20              | -1.03               |             |         |
|                 | -10              | -0.01               |             |         |
|                 | 0                | -0.27               |             |         |
|                 | 10               | -1.09               |             |         |
|                 | 20               | -0.4                |             |         |
|                 | 25               | -0.17               |             |         |
|                 | 30               | 0.3                 |             |         |
|                 | 40               | -0.9                |             |         |
|                 | 50               | -1.14               |             |         |
| 4.4             | 25               | -1.02               |             |         |
| 3.6             | 25               | 0.46                |             |         |

LTE Band 5 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>836.5 MHz    |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -0.16               | ±2091.25    | Pass    |
|                 | -20              | -0.53               |             |         |
|                 | -10              | 0.26                |             |         |
|                 | 0                | -0.29               |             |         |
|                 | 10               | -0.53               |             |         |
|                 | 20               | 0.5                 |             |         |
|                 | 25               | 0.41                |             |         |
|                 | 30               | 0.64                |             |         |
|                 | 40               | -0.2                |             |         |
|                 | 50               | -1.07               |             |         |
| 4.4             | 25               | -1.79               |             |         |
| 3.6             | 25               | 0.09                |             |         |



LTE Band 7 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2535 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | 0.77                | ±6337.5     | Pass    |
|                 | -20              | 1.86                |             |         |
|                 | -10              | 2.96                |             |         |
|                 | 0                | 1.93                |             |         |
|                 | 10               | 1.43                |             |         |
|                 | 20               | 1.99                |             |         |
|                 | 25               | 1.52                |             |         |
|                 | 30               | 2.2                 |             |         |
|                 | 40               | 0.34                |             |         |
|                 | 50               | -0.41               |             |         |
| 4.4             | 25               | -0.5                |             |         |
| 3.6             | 25               | 0.09                |             |         |

LTE Band 7 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2535 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | 0.23                | ±6337.5     | Pass    |
|                 | -20              | 0.56                |             |         |
|                 | -10              | 1.16                |             |         |
|                 | 0                | 1.17                |             |         |
|                 | 10               | 0.33                |             |         |
|                 | 20               | 2.07                |             |         |
|                 | 25               | -0.53               |             |         |
|                 | 30               | 1.5                 |             |         |
|                 | 40               | 1.6                 |             |         |
|                 | 50               | 0.67                |             |         |
| 4.4             | 25               | -0.51               |             |         |
| 3.6             | 25               | 0.24                |             |         |

LTE Band 12 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>707.5 MHz    |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | 1.67                | ±1768.75    | Pass    |
|                 | -20              | -0.29               |             |         |
|                 | -10              | -0.74               |             |         |
|                 | 0                | -0.67               |             |         |
|                 | 10               | -0.57               |             |         |
|                 | 20               | -0.4                |             |         |
|                 | 25               | -0.01               |             |         |
|                 | 30               | 0.41                |             |         |
|                 | 40               | -1.12               |             |         |
|                 | 50               | -1.34               |             |         |
| 4.4             | 25               | -0.62               |             |         |
| 3.6             | 25               | 1.67                |             |         |

LTE Band 12 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>707.5 MHz    |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -0.36               | ±1768.75    | Pass    |
|                 | -20              | -1.69               |             |         |
|                 | -10              | -1.34               |             |         |
|                 | 0                | -0.49               |             |         |
|                 | 10               | 0.24                |             |         |
|                 | 20               | -0.26               |             |         |
|                 | 25               | -0.72               |             |         |
|                 | 30               | -0.74               |             |         |
|                 | 40               | -1.13               |             |         |
|                 | 50               | -0.93               |             |         |
| 4.4             | 25               | -0.3                |             |         |
| 3.6             | 25               | 0.33                |             |         |

LTE Band 13 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>782 MHz      |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.8             | -30              | 1.73                | ±1955       | Pass    |
|                 | -20              | 1.07                |             |         |
|                 | -10              | 2.35                |             |         |
|                 | 0                | 1.79                |             |         |
|                 | 10               | 3.09                |             |         |
|                 | 20               | 1.67                |             |         |
|                 | 25               | 1.92                |             |         |
|                 | 30               | 0.24                |             |         |
|                 | 40               | 1.87                |             |         |
|                 | 50               | 0.57                |             |         |
| 4.4             | 25               | 0.83                |             |         |
| 3.6             | 25               | 2.33                |             |         |

LTE Band 13 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>782 MHz      |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.8             | -30              | 3.52                | ±1955       | Pass    |
|                 | -20              | 1.34                |             |         |
|                 | -10              | 0.64                |             |         |
|                 | 0                | 1.86                |             |         |
|                 | 10               | 0.92                |             |         |
|                 | 20               | 0.76                |             |         |
|                 | 25               | 1.93                |             |         |
|                 | 30               | 0.92                |             |         |
|                 | 40               | 2.3                 |             |         |
|                 | 50               | 1.75                |             |         |
| 4.4             | 25               | 1.2                 |             |         |
| 3.6             | 25               | 2.3                 |             |         |

LTE Band 17 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>710 MHz      |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -0.66               | ±1775       | Pass    |
|                 | -20              | -1.04               |             |         |
|                 | -10              | -1.13               |             |         |
|                 | 0                | -0.17               |             |         |
|                 | 10               | 0.27                |             |         |
|                 | 20               | -0.6                |             |         |
|                 | 25               | -1.06               |             |         |
|                 | 30               | -0.09               |             |         |
|                 | 40               | -0.72               |             |         |
|                 | 50               | -0.51               |             |         |
| 4.4             | 25               | 0.46                |             |         |
| 3.6             | 25               | -0.26               |             |         |

LTE Band 17 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>710 MHz      |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -0.86               | ±1775       | Pass    |
|                 | -20              | -1.03               |             |         |
|                 | -10              | -0.89               |             |         |
|                 | 0                | -0.82               |             |         |
|                 | 10               | 0.04                |             |         |
|                 | 20               | -0.7                |             |         |
|                 | 25               | -0.72               |             |         |
|                 | 30               | -0.89               |             |         |
|                 | 40               | -1.5                |             |         |
|                 | 50               | -1.44               |             |         |
| 4.4             | 25               | -0.64               |             |         |
| 3.6             | 25               | 0.24                |             |         |

LTE Band 26 (Part90) QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>819 MHz      |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | 1.97                | ±2047.5     | Pass    |
|                 | -20              | 1.12                |             |         |
|                 | -10              | 1.57                |             |         |
|                 | 0                | 1.99                |             |         |
|                 | 10               | 1.67                |             |         |
|                 | 20               | 1.63                |             |         |
|                 | 25               | 1.03                |             |         |
|                 | 30               | 0.57                |             |         |
|                 | 40               | 1.16                |             |         |
|                 | 50               | 1.59                |             |         |
| 4.4             | 25               | 1.95                |             |         |
| 3.6             | 25               | 0.86                |             |         |

LTE Band 26 (Part90) 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>819 MHz      |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | 0.53                | ±2047.5     | Pass    |
|                 | -20              | 2.16                |             |         |
|                 | -10              | 2.15                |             |         |
|                 | 0                | 0.66                |             |         |
|                 | 10               | 2.29                |             |         |
|                 | 20               | 0.11                |             |         |
|                 | 25               | 1.53                |             |         |
|                 | 30               | 0.4                 |             |         |
|                 | 40               | 1.79                |             |         |
|                 | 50               | 1.93                |             |         |
| 4.4             | 25               | 2.72                |             |         |
| 3.6             | 25               | 1.03                |             |         |

LTE Band 26 (Part22) QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>836.5 MHz    |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | 1.19                | ±2091.25    | Pass    |
|                 | -20              | 1.13                |             |         |
|                 | -10              | -0.24               |             |         |
|                 | 0                | 1.52                |             |         |
|                 | 10               | 1.26                |             |         |
|                 | 20               | -0.64               |             |         |
|                 | 25               | -1.44               |             |         |
|                 | 30               | 0.36                |             |         |
|                 | 40               | -0.69               |             |         |
|                 | 50               | -0.92               |             |         |
| 4.4             | 25               | -0.43               |             |         |
| 3.6             | 25               | -0.27               |             |         |

LTE Band 26 (Part22) 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>836.5 MHz    |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | 0.14                | ±2091.25    | Pass    |
|                 | -20              | 0                   |             |         |
|                 | -10              | -1.17               |             |         |
|                 | 0                | 0.39                |             |         |
|                 | 10               | -0.07               |             |         |
|                 | 20               | -0.97               |             |         |
|                 | 25               | -0.9                |             |         |
|                 | 30               | 0.31                |             |         |
|                 | 40               | -0.24               |             |         |
|                 | 50               | -0.4                |             |         |
| 4.4             | 25               | 0.34                |             |         |
| 3.6             | 25               | -0.54               |             |         |

LTE Band 38 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2595 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -0.8                | ±6487.5     | Pass    |
|                 | -20              | -1.65               |             |         |
|                 | -10              | 0.06                |             |         |
|                 | 0                | -0.97               |             |         |
|                 | 10               | -1.06               |             |         |
|                 | 20               | 0.03                |             |         |
|                 | 25               | -0.39               |             |         |
|                 | 30               | -0.14               |             |         |
|                 | 40               | -1.82               |             |         |
|                 | 50               | -0.44               |             |         |
| 4.4             | 25               | -1.16               |             |         |
| 3.6             | 25               | -1.32               |             |         |

LTE Band 38 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2595 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | 0.37                | ±6487.5     | Pass    |
|                 | -20              | -0.01               |             |         |
|                 | -10              | -0.31               |             |         |
|                 | 0                | -0.59               |             |         |
|                 | 10               | -0.03               |             |         |
|                 | 20               | -0.64               |             |         |
|                 | 25               | -1.1                |             |         |
|                 | 30               | -2.12               |             |         |
|                 | 40               | -1.34               |             |         |
|                 | 50               | -0.82               |             |         |
| 4.4             | 25               | -1.29               |             |         |
| 3.6             | 25               | -0.8                |             |         |

LTE Band 41 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2593 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -0.63               | ±6482.5     | Pass    |
|                 | -20              | -1.16               |             |         |
|                 | -10              | -0.84               |             |         |
|                 | 0                | -1.67               |             |         |
|                 | 10               | -1.2                |             |         |
|                 | 20               | -1.96               |             |         |
|                 | 25               | -1.66               |             |         |
|                 | 30               | -1.73               |             |         |
|                 | 40               | -2.13               |             |         |
|                 | 50               | -1.85               |             |         |
| 4.4             | 25               | -1.97               |             |         |
| 3.6             | 25               | -1.44               |             |         |

LTE Band 41 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2593 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -1.37               | ±6482.5     | Pass    |
|                 | -20              | -1.96               |             |         |
|                 | -10              | -1.33               |             |         |
|                 | 0                | -2.06               |             |         |
|                 | 10               | -1.95               |             |         |
|                 | 20               | -2.75               |             |         |
|                 | 25               | -2.17               |             |         |
|                 | 30               | -1.99               |             |         |
|                 | 40               | -1.13               |             |         |
|                 | 50               | -1.09               |             |         |
| 4.4             | 25               | -0.92               |             |         |
| 3.6             | 25               | -0.24               |             |         |



LTE Band 66 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1745 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -0.53               | ±4362.5     | Pass    |
|                 | -20              | -0.49               |             |         |
|                 | -10              | 0.31                |             |         |
|                 | 0                | -0.29               |             |         |
|                 | 10               | 0.31                |             |         |
|                 | 20               | -0.46               |             |         |
|                 | 25               | -0.07               |             |         |
|                 | 30               | 0.97                |             |         |
|                 | 40               | -0.76               |             |         |
|                 | 50               | 1.3                 |             |         |
| 4.4             | 25               | -0.4                |             |         |
| 3.6             | 25               | -1.33               |             |         |

LTE Band 66 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1745 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -1.07               | ±4362.5     | Pass    |
|                 | -20              | 0.43                |             |         |
|                 | -10              | 0.03                |             |         |
|                 | 0                | -1.03               |             |         |
|                 | 10               | 0.11                |             |         |
|                 | 20               | -0.07               |             |         |
|                 | 25               | 0.09                |             |         |
|                 | 30               | 0.49                |             |         |
|                 | 40               | -1.27               |             |         |
|                 | 50               | 1.36                |             |         |
| 4.4             | 25               | -0.87               |             |         |
| 3.6             | 25               | -0.66               |             |         |

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) |         |
| 3.8             | -30              | 10.1                  | ±6,325.25   | 6.38                  | ±6,361.25   | Pass    |
|                 | -20              | 9.48                  |             | 7.32                  |             |         |
|                 | -10              | 6.54                  |             | 11.12                 |             |         |
|                 | 0                | 7.3                   |             | 6.16                  |             |         |
|                 | 10               | 10.54                 |             | 8.4                   |             |         |
|                 | 20               | 9.36                  |             | 8.02                  |             |         |
|                 | 25               | 10.42                 |             | 6.56                  |             |         |
|                 | 30               | 10.6                  |             | 9.12                  |             |         |
|                 | 40               | 11.66                 |             | 11.82                 |             |         |
|                 | 50               | 11.84                 |             | 7.88                  |             |         |
| 4.4             | 25               | 9.58                  |             | 8.62                  |             |         |
| 3.6             | 25               | 7.54                  |             | 9.84                  |             |         |

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) |         |
| 3.8             | -30              | 11.78                 | ±6,325.25   | 11.84                 | ±6,361.25   | Pass    |
|                 | -20              | 8.82                  |             | 11.64                 |             |         |
|                 | -10              | 6.06                  |             | 7.12                  |             |         |
|                 | 0                | 11.2                  |             | 11.8                  |             |         |
|                 | 10               | 10.2                  |             | 6.66                  |             |         |
|                 | 20               | 6.76                  |             | 6.72                  |             |         |
|                 | 25               | 11.34                 |             | 7.62                  |             |         |
|                 | 30               | 10.84                 |             | 9.26                  |             |         |
|                 | 40               | 9.02                  |             | 11.56                 |             |         |
|                 | 50               | 7                     |             | 6.1                   |             |         |
| 4.4             | 25               | 6.72                  |             | 6.98                  |             |         |
| 3.6             | 25               | 8.92                  |             | 7.8                   |             |         |

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) |         |
| 3.8             | -30              | 11.2                  | ±6,312.75   | 10.8                  | ±6,362.25   | Pass    |
|                 | -20              | 11.4                  |             | 9.04                  |             |         |
|                 | -10              | 8.42                  |             | 11.38                 |             |         |
|                 | 0                | 8.9                   |             | 10.98                 |             |         |
|                 | 10               | 8.32                  |             | 11.88                 |             |         |
|                 | 20               | 11.94                 |             | 11.96                 |             |         |
|                 | 25               | 11.46                 |             | 10.98                 |             |         |
|                 | 30               | 11.28                 |             | 8.3                   |             |         |
|                 | 40               | 11.98                 |             | 10.52                 |             |         |
|                 | 50               | 9.72                  |             | 10.72                 |             |         |
| 4.4             | 25               | 10.18                 |             | 11.16                 |             |         |
| 3.6             | 25               | 11.18                 |             | 9.06                  |             |         |

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) |         |
| 3.8             | -30              | 9.72                  | ±6,312.75   | 8.54                  | ±6,362.25   | Pass    |
|                 | -20              | 9.88                  |             | 10.86                 |             |         |
|                 | -10              | 8.26                  |             | 9.3                   |             |         |
|                 | 0                | 8                     |             | 8.68                  |             |         |
|                 | 10               | 10.86                 |             | 8.1                   |             |         |
|                 | 20               | 9.04                  |             | 10.88                 |             |         |
|                 | 25               | 8.46                  |             | 8.88                  |             |         |
|                 | 30               | 8.8                   |             | 8.82                  |             |         |
|                 | 40               | 10.36                 |             | 8                     |             |         |
|                 | 50               | 10.46                 |             | 10.5                  |             |         |
| 4.4             | 25               | 10.98                 |             | 11.74                 |             |         |
| 3.6             | 25               | 9.58                  |             | 10.7                  |             |         |

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) |         |
| 3.8             | -30              | -11.38                | ±6,468.75   | 10.08                 | ±6,506.25   | Pass    |
|                 | -20              | -9.06                 |             | -9.66                 |             |         |
|                 | -10              | -10.94                |             | -9.04                 |             |         |
|                 | 0                | -11.74                |             | -11.96                |             |         |
|                 | 10               | -8.68                 |             | -9.52                 |             |         |
|                 | 20               | -9.6                  |             | 11.46                 |             |         |
|                 | 25               | -11.34                |             | -10.42                |             |         |
|                 | 30               | -9.96                 |             | -8.54                 |             |         |
|                 | 40               | -11.14                |             | -11.92                |             |         |
|                 | 50               | -11.96                |             | -11.76                |             |         |
| 4.4             | 25               | -10.04                |             | -11.68                |             |         |
| 3.6             | 25               | -8.94                 |             | -8.84                 |             |         |

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) |         |
| 3.8             | -30              | 8.86                  | ±6,468.75   | -11.1                 | ±6,506.25   | Pass    |
|                 | -20              | 11.88                 |             | -10.56                |             |         |
|                 | -10              | 11.58                 |             | -9.34                 |             |         |
|                 | 0                | 10.48                 |             | -10.96                |             |         |
|                 | 10               | 8.8                   |             | -11                   |             |         |
|                 | 20               | 8.06                  |             | 8.42                  |             |         |
|                 | 25               | 8.3                   |             | -11.94                |             |         |
|                 | 30               | 8.96                  |             | 9.02                  |             |         |
|                 | 40               | 9.84                  |             | -11.06                |             |         |
|                 | 50               | 10.68                 |             | 9.9                   |             |         |
| 4.4             | 25               | 8.76                  |             | -10.84                |             |         |
| 3.6             | 25               | 11.46                 |             | -8.06                 |             |         |

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) |         |
| 3.8             | -30              | 11.4                  | ±6,462.75   | -10.98                | ±6,512.25   | Pass    |
|                 | -20              | 8.96                  |             | -10.34                |             |         |
|                 | -10              | 8.52                  |             | 11.1                  |             |         |
|                 | 0                | 8.9                   |             | -8.92                 |             |         |
|                 | 10               | -9.26                 |             | -10.66                |             |         |
|                 | 20               | 11.48                 |             | 11.6                  |             |         |
|                 | 25               | -8.92                 |             | -10.46                |             |         |
|                 | 30               | 11.02                 |             | 8.98                  |             |         |
|                 | 40               | 11.08                 |             | -11.8                 |             |         |
|                 | 50               | 9.96                  |             | 9.22                  |             |         |
| 4.4             | 25               | -11.36                |             | 9.5                   |             |         |
| 3.6             | 25               | 10.12                 |             | -11.94                |             |         |

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) |         |
| 3.8             | -30              | -8.02                 | ±6,462.75   | 10.88                 | ±6,512.25   | Pass    |
|                 | -20              | 11.12                 |             | -11.86                |             |         |
|                 | -10              | 8.72                  |             | 9.98                  |             |         |
|                 | 0                | 8.14                  |             | -10.06                |             |         |
|                 | 10               | -11.2                 |             | -9.1                  |             |         |
|                 | 20               | 9.5                   |             | 10.9                  |             |         |
|                 | 25               | -9.48                 |             | -8.94                 |             |         |
|                 | 30               | 11.28                 |             | 9.2                   |             |         |
|                 | 40               | -10.96                |             | -10.94                |             |         |
|                 | 50               | 8.72                  |             | 8.22                  |             |         |
| 4.4             | 25               | -10.6                 |             | -8.48                 |             |         |
| 3.6             | 25               | 10.68                 |             | -9.18                 |             |         |

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) |         |
| 3.8             | -30              | 0.82                  | ±6,476.25   | -5.22                 | ±6,505.5    | Pass    |
|                 | -20              | 8.4                   |             | -18.08                |             |         |
|                 | -10              | -2.22                 |             | -5.54                 |             |         |
|                 | 0                | 5.48                  |             | -3.78                 |             |         |
|                 | 10               | 5.2                   |             | -7.44                 |             |         |
|                 | 20               | 0.08                  |             | -26.48                |             |         |
|                 | 25               | -5.8                  |             | 6.3                   |             |         |
|                 | 30               | 1.2                   |             | -28.7                 |             |         |
|                 | 40               | 5.28                  |             | 0.06                  |             |         |
|                 | 50               | 8.72                  |             | -9.16                 |             |         |
| 4.4             | 25               | -2                    |             | -6.28                 |             |         |
| 3.6             | 25               | 9.46                  |             | -6.9                  |             |         |

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) |         |
| 3.8             | -30              | -17.6                 | ±6,476.25   | 11.56                 | ±6,505.5    | Pass    |
|                 | -20              | 2.68                  |             | -5.64                 |             |         |
|                 | -10              | 0.78                  |             | 9.64                  |             |         |
|                 | 0                | 4.58                  |             | -2.54                 |             |         |
|                 | 10               | -3                    |             | -9.78                 |             |         |
|                 | 20               | -18.92                |             | -21                   |             |         |
|                 | 25               | -3.34                 |             | -21.02                |             |         |
|                 | 30               | 6.98                  |             | -2.04                 |             |         |
|                 | 40               | -3.7                  |             | -21.3                 |             |         |
|                 | 50               | 5.5                   |             | -3.8                  |             |         |
| 4.4             | 25               | 3.12                  |             | -2.3                  |             |         |
| 3.6             | 25               | 6.3                   |             | -3.2                  |             |         |

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) |         |
| 3.8             | -30              | -1.86                 | ±6,457.75   | -0.66                 | ±6,507.25   | Pass    |
|                 | -20              | 11.78                 |             | -3.36                 |             |         |
|                 | -10              | -3.2                  |             | 0.76                  |             |         |
|                 | 0                | -2.52                 |             | -2.9                  |             |         |
|                 | 10               | 11.94                 |             | -6.52                 |             |         |
|                 | 20               | -29.22                |             | -18.26                |             |         |
|                 | 25               | -12.38                |             | -22.32                |             |         |
|                 | 30               | -5.82                 |             | -2.88                 |             |         |
|                 | 40               | -23.64                |             | -20.14                |             |         |
|                 | 50               | 10.84                 |             | -5.94                 |             |         |
| 4.4             | 25               | -8.98                 |             | 7.46                  |             |         |
| 3.6             | 25               | -1.9                  |             | 7.04                  |             |         |

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) |         |
| 3.8             | -30              | -6.78                 | ±6,457.75   | 7.76                  | ±6,507.25   | Pass    |
|                 | -20              | -4.98                 |             | 16.44                 |             |         |
|                 | -10              | 8.5                   |             | -7.06                 |             |         |
|                 | 0                | -0.92                 |             | 29.84                 |             |         |
|                 | 10               | -4.92                 |             | 12.68                 |             |         |
|                 | 20               | 18.46                 |             | 6.78                  |             |         |
|                 | 25               | 21.42                 |             | 21.74                 |             |         |
|                 | 30               | 22.9                  |             | 27.86                 |             |         |
|                 | 40               | 26.26                 |             | 23.64                 |             |         |
|                 | 50               | -0.3                  |             | 27.68                 |             |         |
| 4.4             | 25               | 26.88                 |             | 27.78                 |             |         |
| 3.6             | 25               | 12.36                 |             | -5.28                 |             |         |

## NR Band n5 QPSK 20 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>836.5 MHz    |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.8             | -30              | -9.8                | ±2091.2.5   | Pass    |
|                 | -20              | -7.8                |             |         |
|                 | -10              | -9.2                |             |         |
|                 | 0                | -8.6                |             |         |
|                 | 10               | -9.7                |             |         |
|                 | 20               | -5.7                |             |         |
|                 | 25               | -10.8               |             |         |
|                 | 30               | -7.3                |             |         |
|                 | 40               | -9.8                |             |         |
|                 | 50               | -10                 |             |         |
| 4.4             | 25               | -8.9                |             |         |
| 3.6             | 25               | -10.1               |             |         |

## NR Band n7 QPSK 40 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2535 MHz     |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | -8.9                | ±6337.5     | Pass    |
|                 | -20              | -6                  |             |         |
|                 | -10              | -5.6                |             |         |
|                 | 0                | -7.5                |             |         |
|                 | 10               | -9.6                |             |         |
|                 | 20               | -14.4               |             |         |
|                 | 25               | -10.1               |             |         |
|                 | 30               | -6.4                |             |         |
|                 | 40               | -5.5                |             |         |
|                 | 50               | 5.3                 |             |         |
| 4.4             | 25               | -13.2               |             |         |
| 3.6             | 25               | -5.1                |             |         |



## NR Band n38 QPSK 40 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2595 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.8             | -30              | 14.4                | ±6487.5     | Pass    |
|                 | -20              | 10                  |             |         |
|                 | -10              | -10.6               |             |         |
|                 | 0                | -12.5               |             |         |
|                 | 10               | 6.9                 |             |         |
|                 | 20               | 12.1                |             |         |
|                 | 25               | 12.4                |             |         |
|                 | 30               | -6.3                |             |         |
|                 | 40               | 7                   |             |         |
|                 | 50               | 7.7                 |             |         |
| 4.4             | 25               | 10.8                |             |         |
| 3.6             | 25               | 9                   |             |         |

## NR Band n41 QPSK 100 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2592.99 MHz  |             |         |
|                 |                  | Value(Hz)           | Limits (Hz) |         |
| 3.8             | -30              | 14.3                | ±6482.475   | Pass    |
|                 | -20              | -20                 |             |         |
|                 | -10              | -10.1               |             |         |
|                 | 0                | -12.7               |             |         |
|                 | 10               | 11                  |             |         |
|                 | 20               | -7.8                |             |         |
|                 | 25               | 13.5                |             |         |
|                 | 30               | -8.8                |             |         |
|                 | 40               | -5.7                |             |         |
|                 | 50               | 9.6                 |             |         |
| 4.4             | 25               | 7.2                 |             |         |
| 3.6             | 25               | 10.8                |             |         |

## NR Band n66 QPSK 40 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1745 MHz     |             |         |
|                 |                  | Value<br>(Hz)       | Limits (Hz) |         |
| 3.8             | -30              | 2.4                 | ±4362.5     | Pass    |
|                 | -20              | -6.4                |             |         |
|                 | -10              | -6.5                |             |         |
|                 | 0                | -8.2                |             |         |
|                 | 10               | -6.7                |             |         |
|                 | 20               | -5.1                |             |         |
|                 | 25               | -2.5                |             |         |
|                 | 30               | -3.9                |             |         |
|                 | 40               | -4.8                |             |         |
|                 | 50               | -11.2               |             |         |
| 4.4             | 25               | -5.9                |             |         |
| 3.6             | 25               | -3.6                |             |         |

## 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-SZ2441396-501 Data Part 3.pdf".

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

### GSM and WCDMA Mode Test Verdict

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

### LTE Mode Test Verdict

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

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

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

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

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

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note3</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 13   | 5 MHz          | LCH          | QPSK      | RB1#0                 | 13.1                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 13.2                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 13.3                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 13.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 13.5                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 13.6                           | Pass    |
|           | 10 MHz         | MCH          | QPSK      | RB1#0                 | 13.7                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 13.8                           | Pass    |



| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note3</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 17   | 5 MHz          | LCH          | QPSK      | RB1#0                 | 14.1                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 14.2                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 14.3                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 14.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 14.5                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 14.6                           | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 14.7                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 14.8                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 14.9                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 14.10                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 14.11                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 14.12                          | Pass    |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note3</sup> | Verdict |
|------------------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 26 (Part22) | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | 15.1                           | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.2                           | Pass    |
|                  |                | MCH          | QPSK      | RB1#0                 | 15.3                           | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.4                           | Pass    |
|                  |                | HCH          | QPSK      | RB1#0                 | 15.5                           | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.6                           | Pass    |
|                  | 3 MHz          | LCH          | QPSK      | RB1#0                 | 15.7                           | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.8                           | Pass    |
|                  |                | MCH          | QPSK      | RB1#0                 | 15.9                           | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.10                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#0                 | 15.11                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.12                          | Pass    |
|                  | 5 MHz          | LCH          | QPSK      | RB1#0                 | 15.13                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.14                          | Pass    |
|                  |                | MCH          | QPSK      | RB1#0                 | 15.15                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.16                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#0                 | 15.17                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.18                          | Pass    |
|                  | 10 MHz         | LCH          | QPSK      | RB1#0                 | 15.19                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.20                          | Pass    |
|                  |                | MCH          | QPSK      | RB1#0                 | 15.21                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.22                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#0                 | 15.23                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.24                          | Pass    |
| 15 MHz           | LCH            | QPSK         | RB1#0     | 15.25                 | Pass                           |         |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note3</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
|           |                |              | 16-QAM    | RB1#0                 | 15.26                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 15.27                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 15.28                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 15.29                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 15.30                          | Pass    |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note3</sup> | Verdict |
|------------------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 26 (Part90) | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | 16.1                           | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 16.2                           | Pass    |
|                  |                | MCH          | QPSK      | RB1#0                 | 16.3                           | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 16.4                           | Pass    |
|                  |                | HCH          | QPSK      | RB1#0                 | 16.5                           | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 16.6                           | Pass    |
|                  | 3 MHz          | LCH          | QPSK      | RB1#0                 | 16.7                           | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 16.8                           | Pass    |
|                  |                | MCH          | QPSK      | RB1#0                 | 16.9                           | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 16.10                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#0                 | 16.11                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 16.12                          | Pass    |
|                  | 5 MHz          | LCH          | QPSK      | RB1#0                 | 16.13                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 16.14                          | Pass    |
|                  |                | MCH          | QPSK      | RB1#0                 | 16.15                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 16.16                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#0                 | 16.17                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 16.18                          | Pass    |
|                  | 10 MHz         | MCH          | QPSK      | RB1#0                 | 16.19                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 16.20                          | Pass    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note3</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 66   | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | 17.1                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.2                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 17.3                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 17.5                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.6                           | Pass    |
|           | 3 MHz          | LCH          | QPSK      | RB1#0                 | 17.7                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.8                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 17.9                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.10                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 17.11                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.12                          | Pass    |
|           | 5 MHz          | LCH          | QPSK      | RB1#0                 | 17.13                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.14                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 17.15                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.16                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 17.17                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.18                          | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 17.19                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.20                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 17.21                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.22                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 17.23                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.24                          | Pass    |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | 17.25                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.26                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 17.27                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.28                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 17.29                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.30                          | Pass    |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | 17.31                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.32                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 17.33                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.34                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 17.35                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.36                          | Pass    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note3</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 38   | 5 MHz          | LCH          | QPSK      | RB1#0                 | 18.1                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.2                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 18.3                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 18.5                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.6                           | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 18.7                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.8                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 18.9                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.10                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 18.11                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.12                          | Pass    |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | 18.13                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.14                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 18.15                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.16                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 18.17                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.18                          | Pass    |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | 18.19                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.20                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 18.21                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.22                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 18.23                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.24                          | Pass    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note3</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 41   | 5 MHz          | LCH          | QPSK      | RB1#0                 | 19.1                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 19.2                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 19.3                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 19.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 19.5                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 19.6                           | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 19.7                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 19.8                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 19.9                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 19.10                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 19.11                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 19.12                          | Pass    |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | 19.13                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 19.14                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 19.15                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 19.16                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 19.17                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 19.18                          | Pass    |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | 19.19                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 19.20                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 19.21                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 19.22                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 19.23                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 19.24                          | Pass    |

| Test Channel | Modulation | PCC RB |        | SCC RB |        | Refer to Plot <sup>Note2</sup> | Verdict |
|--------------|------------|--------|--------|--------|--------|--------------------------------|---------|
|              |            | Size   | Offset | Size   | Offset |                                |         |
| <b>CA_7C</b> |            |        |        |        |        |                                |         |
| 20MHz+10MHz  |            |        |        |        |        |                                |         |
| Low          | QPSK       | 1      | 0      | 1      | 49     | 20.1                           | Pass    |
|              |            | 100    | 0      | 50     | 0      | 20.2                           | Pass    |
|              | 16QAM      | 1      | 0      | 1      | 49     | 20.3                           | Pass    |
|              |            | 100    | 0      | 50     | 0      | 20.4                           | Pass    |
| Mid          | QPSK       | 1      | 0      | 1      | 49     | 20.5                           | Pass    |
|              |            | 100    | 0      | 50     | 0      | 20.6                           | Pass    |
|              | 16QAM      | 1      | 0      | 1      | 49     | 20.7                           | Pass    |
|              |            | 100    | 0      | 50     | 0      | 20.8                           | Pass    |
| High         | QPSK       | 1      | 0      | 1      | 49     | 20.9                           | Pass    |
|              |            | 100    | 0      | 50     | 0      | 20.10                          | Pass    |
|              | 16QAM      | 1      | 0      | 1      | 49     | 20.11                          | Pass    |
|              |            | 100    | 0      | 50     | 0      | 20.12                          | Pass    |
| 20MHz+20MHz  |            |        |        |        |        |                                |         |
| Low          | QPSK       | 1      | 0      | 1      | 99     | 20.13                          | Pass    |
|              |            | 100    | 0      | 100    | 0      | 20.14                          | Pass    |
|              | 16QAM      | 1      | 0      | 1      | 99     | 20.15                          | Pass    |
|              |            | 100    | 0      | 100    | 0      | 20.16                          | Pass    |
| Mid          | QPSK       | 1      | 0      | 1      | 99     | 20.17                          | Pass    |
|              |            | 100    | 0      | 100    | 0      | 20.18                          | Pass    |
|              | 16QAM      | 1      | 0      | 1      | 99     | 20.19                          | Pass    |
|              |            | 100    | 0      | 100    | 0      | 20.20                          | Pass    |
| High         | QPSK       | 1      | 0      | 1      | 99     | 20.21                          | Pass    |
|              |            | 100    | 0      | 100    | 0      | 20.22                          | Pass    |
|              | 16QAM      | 1      | 0      | 1      | 99     | 20.23                          | Pass    |
|              |            | 100    | 0      | 100    | 0      | 20.24                          | Pass    |

| Test Channel  | Modulation | PCC RB |        | SCC RB |        | Refer to Plot <sup>Note2</sup> | Verdict |
|---------------|------------|--------|--------|--------|--------|--------------------------------|---------|
|               |            | Size   | Offset | Size   | Offset |                                |         |
| <b>CA_38C</b> |            |        |        |        |        |                                |         |
| 15MHz+15MHz   |            |        |        |        |        |                                |         |
| Low           | QPSK       | 1      | 0      | 1      | 74     | 21.1                           | Pass    |
|               |            | 75     | 0      | 75     | 0      | 21.2                           | Pass    |
|               | 16QAM      | 1      | 0      | 1      | 74     | 21.3                           | Pass    |
|               |            | 75     | 0      | 75     | 0      | 21.4                           | Pass    |
| Mid           | QPSK       | 1      | 0      | 1      | 74     | 21.5                           | Pass    |
|               |            | 75     | 0      | 75     | 0      | 21.6                           | Pass    |
|               | 16QAM      | 1      | 0      | 1      | 74     | 21.7                           | Pass    |
|               |            | 75     | 0      | 75     | 0      | 21.8                           | Pass    |
| High          | QPSK       | 1      | 0      | 1      | 74     | 21.9                           | Pass    |
|               |            | 75     | 0      | 75     | 0      | 21.10                          | Pass    |
|               | 16QAM      | 1      | 0      | 1      | 74     | 21.11                          | Pass    |
|               |            | 75     | 0      | 75     | 0      | 21.12                          | Pass    |
| 20MHz+20MHz   |            |        |        |        |        |                                |         |
| Low           | QPSK       | 1      | 99     | 1      | 0      | 21.13                          | Pass    |
|               |            | 100    | 0      | 100    | 0      | 21.14                          | Pass    |
|               | 16QAM      | 1      | 99     | 1      | 0      | 21.15                          | Pass    |
|               |            | 100    | 0      | 100    | 0      | 21.16                          | Pass    |
| Mid           | QPSK       | 1      | 99     | 1      | 0      | 21.17                          | Pass    |
|               |            | 100    | 0      | 100    | 0      | 21.18                          | Pass    |
|               | 16QAM      | 1      | 99     | 1      | 0      | 21.19                          | Pass    |
|               |            | 100    | 0      | 100    | 0      | 21.20                          | Pass    |
| High          | QPSK       | 1      | 99     | 1      | 0      | 21.21                          | Pass    |
|               |            | 100    | 0      | 100    | 0      | 21.22                          | Pass    |
|               | 16QAM      | 1      | 99     | 1      | 0      | 21.23                          | Pass    |
|               |            | 100    | 0      | 100    | 0      | 21.24                          | Pass    |

| Test Channel  | Modulation | PCC RB |        | SCC RB |        | Refer to Plot <sup>Note2</sup> | Verdict |
|---------------|------------|--------|--------|--------|--------|--------------------------------|---------|
|               |            | Size   | Offset | Size   | Offset |                                |         |
| <b>CA_41C</b> |            |        |        |        |        |                                |         |
| 20MHz+5MHz    |            |        |        |        |        |                                |         |
| Low           | QPSK       | 1      | 0      | 1      | 24     | 22.1                           | Pass    |
|               |            | 100    | 0      | 25     | 0      | 22.2                           | Pass    |
|               | 16QAM      | 1      | 0      | 1      | 24     | 22.3                           | Pass    |
|               |            | 100    | 0      | 25     | 0      | 22.4                           | Pass    |
| Mid           | QPSK       | 1      | 0      | 1      | 24     | 22.5                           | Pass    |
|               |            | 100    | 0      | 25     | 0      | 22.6                           | Pass    |
|               | 16QAM      | 1      | 0      | 1      | 24     | 22.7                           | Pass    |
|               |            | 100    | 0      | 25     | 0      | 22.8                           | Pass    |
| High          | QPSK       | 1      | 0      | 1      | 24     | 22.9                           | Pass    |
|               |            | 100    | 0      | 25     | 0      | 22.10                          | Pass    |
|               | 16QAM      | 1      | 0      | 1      | 24     | 22.11                          | Pass    |
|               |            | 100    | 0      | 25     | 0      | 22.12                          | Pass    |
| 20MHz+20MHz   |            |        |        |        |        |                                |         |
| Low           | QPSK       | 1      | 0      | 1      | 99     | 22.13                          | Pass    |
|               |            | 100    | 0      | 100    | 0      | 22.14                          | Pass    |
|               | 16QAM      | 1      | 0      | 1      | 99     | 22.15                          | Pass    |
|               |            | 100    | 0      | 100    | 0      | 22.16                          | Pass    |
| Mid           | QPSK       | 1      | 0      | 1      | 99     | 22.17                          | Pass    |
|               |            | 100    | 0      | 100    | 0      | 22.18                          | Pass    |
|               | 16QAM      | 1      | 0      | 1      | 99     | 22.19                          | Pass    |
|               |            | 100    | 0      | 100    | 0      | 22.20                          | Pass    |
| High          | QPSK       | 1      | 0      | 1      | 99     | 22.21                          | Pass    |
|               |            | 100    | 0      | 100    | 0      | 22.22                          | Pass    |
|               | 16QAM      | 1      | 0      | 1      | 99     | 22.23                          | Pass    |
|               |            | 100    | 0      | 100    | 0      | 22.24                          | Pass    |



## NR Mode Test Verdict

| Test Band | NR Test Bandwidth (MHz) | Test Channel | Test Mode | NR UL RB No. | NR UL RB Pos. | Refer to Plot <sup>Note3</sup> | Verdict |      |
|-----------|-------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|------|
| n5        | 5                       | LCH          | QPSK      | 1            | 0             | 23.1                           | Pass    |      |
|           |                         |              | QPSK      | 1            | 24            | 23.2                           | Pass    |      |
|           |                         |              | QPSK      | 25           | 0             | 23.3                           | Pass    |      |
|           |                         | MCH          | QPSK      | 1            | 0             | 23.4                           | Pass    |      |
|           |                         |              | QPSK      | 1            | 24            | 23.5                           | Pass    |      |
|           |                         |              | QPSK      | 25           | 0             | 23.6                           | Pass    |      |
|           |                         |              | HCH       | QPSK         | 1             | 0                              | 23.7    | Pass |
|           |                         |              |           | QPSK         | 1             | 24                             | 23.8    | Pass |
|           |                         |              |           | QPSK         | 25            | 0                              | 23.9    | Pass |
|           | 15                      | LCH          | QPSK      | 1            | 0             | 23.10                          | Pass    |      |
|           |                         |              | QPSK      | 1            | 78            | 23.11                          | Pass    |      |
|           |                         |              | QPSK      | 79           | 0             | 23.12                          | Pass    |      |
|           |                         | MCH          | QPSK      | 1            | 0             | 23.13                          | Pass    |      |
|           |                         |              | QPSK      | 1            | 78            | 23.14                          | Pass    |      |
|           |                         |              | QPSK      | 79           | 0             | 23.15                          | Pass    |      |
|           |                         | HCH          | QPSK      | 1            | 0             | 23.16                          | Pass    |      |
|           |                         |              | QPSK      | 1            | 78            | 23.17                          | Pass    |      |
|           |                         |              | QPSK      | 79           | 0             | 23.18                          | Pass    |      |
|           | 20                      | LCH          | QPSK      | 1            | 0             | 23.19                          | Pass    |      |
|           |                         |              | QPSK      | 1            | 105           | 23.20                          | Pass    |      |
|           |                         |              | QPSK      | 106          | 0             | 23.21                          | Pass    |      |
|           |                         | MCH          | QPSK      | 1            | 0             | 23.22                          | Pass    |      |
|           |                         |              | QPSK      | 1            | 105           | 23.23                          | Pass    |      |
|           |                         |              | QPSK      | 106          | 0             | 23.24                          | Pass    |      |
|           |                         | HCH          | QPSK      | 1            | 0             | 23.25                          | Pass    |      |
|           |                         |              | QPSK      | 1            | 105           | 23.26                          | Pass    |      |
|           |                         |              | QPSK      | 106          | 0             | 23.27                          | Pass    |      |

| Test Band | NR Test Bandwidth (MHz) | Test Channel | Test Mode | NR UL RB No. | NR UL RB Pos. | Refer to Plot <sup>Note3</sup> | Verdict |
|-----------|-------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| n7        | 5                       | LCH          | QPSK      | 25           | 0             | 24.1                           | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 24.2                           | Pass    |
|           |                         |              | QPSK      | 1            | 24            | 24.3                           | Pass    |
|           |                         | MCH          | QPSK      | 25           | 0             | 24.4                           | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 24.5                           | Pass    |
|           |                         |              | QPSK      | 1            | 24            | 24.6                           | Pass    |
|           |                         | HCH          | QPSK      | 25           | 0             | 24.7                           | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 24.8                           | Pass    |
|           |                         |              | QPSK      | 1            | 24            | 24.9                           | Pass    |
|           | 25                      | LCH          | QPSK      | 133          | 0             | 24.10                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 24.11                          | Pass    |
|           |                         |              | QPSK      | 1            | 132           | 24.12                          | Pass    |
|           |                         | MCH          | QPSK      | 133          | 0             | 24.13                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 24.14                          | Pass    |
|           |                         |              | QPSK      | 1            | 132           | 24.15                          | Pass    |
|           |                         | HCH          | QPSK      | 133          | 0             | 24.16                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 24.17                          | Pass    |
|           |                         |              | QPSK      | 1            | 132           | 24.18                          | Pass    |
|           | 40                      | LCH          | QPSK      | 216          | 0             | 24.19                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 24.20                          | Pass    |
|           |                         |              | QPSK      | 1            | 215           | 24.21                          | Pass    |
|           |                         | MCH          | QPSK      | 216          | 0             | 24.22                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 24.23                          | Pass    |
|           |                         |              | QPSK      | 1            | 215           | 24.24                          | Pass    |
|           |                         | HCH          | QPSK      | 216          | 0             | 24.25                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 24.26                          | Pass    |
|           |                         |              | QPSK      | 1            | 215           | 24.27                          | Pass    |

| Test Band | NR Test Bandwidth (MHz) | Test Channel | Test Mode | NR UL RB No. | NR UL RB Pos. | Refer to Plot <sup>Note3</sup> | Verdict |
|-----------|-------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| n66       | 5                       | LCH          | QPSK      | 25           | 0             | 25.1                           | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 25.2                           | Pass    |
|           |                         |              | QPSK      | 1            | 24            | 25.3                           | Pass    |
|           |                         | MCH          | QPSK      | 25           | 0             | 25.4                           | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 25.5                           | Pass    |
|           |                         |              | QPSK      | 1            | 24            | 25.6                           | Pass    |
|           |                         | HCH          | QPSK      | 25           | 0             | 25.7                           | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 25.8                           | Pass    |
|           |                         |              | QPSK      | 1            | 24            | 25.9                           | Pass    |
|           | 20                      | LCH          | QPSK      | 106          | 0             | 25.10                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 25.11                          | Pass    |
|           |                         |              | QPSK      | 1            | 105           | 25.12                          | Pass    |
|           |                         | MCH          | QPSK      | 106          | 0             | 25.13                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 25.14                          | Pass    |
|           |                         |              | QPSK      | 1            | 105           | 25.15                          | Pass    |
|           |                         | HCH          | QPSK      | 106          | 0             | 25.16                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 25.17                          | Pass    |
|           |                         |              | QPSK      | 1            | 105           | 25.18                          | Pass    |
|           | 40                      | LCH          | QPSK      | 216          | 0             | 25.19                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 25.20                          | Pass    |
|           |                         |              | QPSK      | 1            | 215           | 25.21                          | Pass    |
|           |                         | MCH          | QPSK      | 216          | 0             | 25.22                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 25.23                          | Pass    |
|           |                         |              | QPSK      | 1            | 215           | 25.24                          | Pass    |
|           |                         | HCH          | QPSK      | 216          | 0             | 25.25                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 25.26                          | Pass    |
|           |                         |              | QPSK      | 1            | 215           | 25.27                          | Pass    |

| Test Band | NR Test Bandwidth (MHz) | Test Channel | Test Mode | NR UL RB No. | NR UL RB Pos. | Refer to Plot <sup>Note3</sup> | Verdict |
|-----------|-------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| n38       | 20                      | LCH          | QPSK      | 51           | 0             | 26.1                           | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 26.2                           | Pass    |
|           |                         |              | QPSK      | 1            | 50            | 26.3                           | Pass    |
|           |                         | MCH          | QPSK      | 51           | 0             | 26.4                           | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 26.5                           | Pass    |
|           |                         |              | QPSK      | 1            | 50            | 26.6                           | Pass    |
|           |                         | HCH          | QPSK      | 51           | 0             | 26.7                           | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 26.8                           | Pass    |
|           |                         |              | QPSK      | 1            | 50            | 26.9                           | Pass    |
|           | 30                      | LCH          | QPSK      | 78           | 0             | 26.10                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 26.11                          | Pass    |
|           |                         |              | QPSK      | 1            | 77            | 26.12                          | Pass    |
|           |                         | MCH          | QPSK      | 78           | 0             | 26.13                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 26.14                          | Pass    |
|           |                         |              | QPSK      | 1            | 77            | 26.15                          | Pass    |
|           |                         | HCH          | QPSK      | 78           | 0             | 26.16                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 26.17                          | Pass    |
|           |                         |              | QPSK      | 1            | 77            | 26.18                          | Pass    |
|           | 40                      | LCH          | QPSK      | 106          | 0             | 26.19                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 26.20                          | Pass    |
|           |                         |              | QPSK      | 1            | 105           | 26.21                          | Pass    |
|           |                         | MCH          | QPSK      | 106          | 0             | 26.22                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 26.23                          | Pass    |
|           |                         |              | QPSK      | 1            | 105           | 26.24                          | Pass    |
|           |                         | HCH          | QPSK      | 106          | 0             | 26.25                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 26.26                          | Pass    |
|           |                         |              | QPSK      | 1            | 105           | 26.27                          | Pass    |

| Test Band | NR Test Bandwidth (MHz) | Test Channel | Test Mode | NR UL RB No. | NR UL RB Pos. | Refer to Plot <sup>Note3</sup> | Verdict |
|-----------|-------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| n41       | 20                      | LCH          | QPSK      | 51           | 0             | 27.1                           | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 27.2                           | Pass    |
|           |                         |              | QPSK      | 1            | 50            | 27.3                           | Pass    |
|           |                         | MCH          | QPSK      | 51           | 0             | 27.4                           | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 27.5                           | Pass    |
|           |                         |              | QPSK      | 1            | 50            | 27.6                           | Pass    |
|           |                         | HCH          | QPSK      | 51           | 0             | 27.7                           | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 27.8                           | Pass    |
|           |                         |              | QPSK      | 1            | 50            | 27.9                           | Pass    |
|           | 60                      | LCH          | QPSK      | 162          | 0             | 27.10                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 27.11                          | Pass    |
|           |                         |              | QPSK      | 1            | 161           | 27.12                          | Pass    |
|           |                         | MCH          | QPSK      | 162          | 0             | 27.13                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 27.14                          | Pass    |
|           |                         |              | QPSK      | 1            | 161           | 27.15                          | Pass    |
|           |                         | HCH          | QPSK      | 162          | 0             | 27.16                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 27.17                          | Pass    |
|           |                         |              | QPSK      | 1            | 161           | 27.18                          | Pass    |
|           | 100                     | LCH          | QPSK      | 273          | 0             | 27.19                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 27.20                          | Pass    |
|           |                         |              | QPSK      | 1            | 272           | 27.21                          | Pass    |
|           |                         | MCH          | QPSK      | 273          | 0             | 27.22                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 27.23                          | Pass    |
|           |                         |              | QPSK      | 1            | 272           | 27.24                          | Pass    |
|           |                         | HCH          | QPSK      | 273          | 0             | 27.25                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 27.26                          | Pass    |
|           |                         |              | QPSK      | 1            | 272           | 27.27                          | Pass    |

## A.6 Band Edge

Note 1: Test plots please refer to the document “Annex No.:BL-SZ2441396-501 Data Part 4.pdf”.

### GSM and WCDMA Mode Test Verdict

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

LTE Mode Test Verdict

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

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

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



| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
|           |                | HCH          | QPSK      | RB1#49                | 9.29                           | Pass    |
|           |                |              |           | RB50#0                | 9.30                           | Pass    |
|           |                |              | 16-QAM    | RB1#49                | 9.31                           | Pass    |
|           |                |              |           | RB50#0                | 9.32                           | Pass    |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | 9.33                           | Pass    |
|           |                |              |           | RB75#0                | 9.34                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 9.35                           | Pass    |
|           |                |              |           | RB75#0                | 9.36                           | Pass    |
|           |                | HCH          | QPSK      | RB1#74                | 9.37                           | Pass    |
|           |                |              |           | RB75#0                | 9.38                           | Pass    |
|           |                |              | 16-QAM    | RB1#74                | 9.39                           | Pass    |
|           |                |              |           | RB75#0                | 9.40                           | Pass    |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | 9.41                           | Pass    |
|           |                |              |           | RB100#0               | 9.42                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 9.43                           | Pass    |
|           |                |              |           | RB100#0               | 9.44                           | Pass    |
| HCH       |                | QPSK         | RB1#99    | 9.45                  | Pass                           |         |
|           |                |              | RB100#0   | 9.46                  | Pass                           |         |
|           |                | 16-QAM       | RB1#99    | 9.47                  | Pass                           |         |
|           |                |              | RB100#0   | 9.48                  | Pass                           |         |

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

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

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

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band13    | 5 MHz          | LCH          | QPSK      | RB1#0                 | 13.1                           | Pass    |
|           |                |              |           | RB6#0                 | 13.2                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 13.3                           | Pass    |
|           |                |              |           | RB5#0                 | 13.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#5                 | 13.5                           | Pass    |
|           |                |              |           | RB6#0                 | 13.6                           | Pass    |
|           |                |              | 16-QAM    | RB1#5                 | 13.7                           | Pass    |
|           |                |              |           | RB5#1                 | 13.8                           | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 13.9                           | Pass    |
|           |                |              |           | RB6#0                 | 13.10                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 13.11                          | Pass    |
|           |                |              |           | RB5#0                 | 13.12                          | Pass    |
|           |                | HCH          | QPSK      | RB1#5                 | 13.13                          | Pass    |
|           |                |              |           | RB6#0                 | 13.14                          | Pass    |
|           |                |              | 16-QAM    | RB1#5                 | 13.15                          | Pass    |
|           |                |              |           | RB5#1                 | 13.16                          | Pass    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 17   | 5 MHz          | LCH          | QPSK      | RB1#0                 | 14.1                           | Pass    |
|           |                |              |           | RB25#0                | 14.2                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 14.3                           | Pass    |
|           |                |              |           | RB25#0                | 14.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#24                | 14.5                           | Pass    |
|           |                |              |           | RB25#0                | 14.6                           | Pass    |
|           |                |              | 16-QAM    | RB1#24                | 14.7                           | Pass    |
|           |                |              |           | RB25#0                | 14.8                           | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 14.9                           | Pass    |
|           |                |              |           | RB50#0                | 14.10                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 14.11                          | Pass    |
|           |                |              |           | RB50#0                | 14.12                          | Pass    |
|           |                | HCH          | QPSK      | RB1#49                | 14.13                          | Pass    |
|           |                |              |           | RB50#0                | 14.14                          | Pass    |
|           |                |              | 16-QAM    | RB1#49                | 14.15                          | Pass    |
|           |                |              |           | RB50#0                | 14.16                          | Pass    |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> | Verdict |
|------------------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 26 (Part22) | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | 15.1                           | Pass    |
|                  |                |              |           | RB6#0                 | 15.2                           | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.3                           | Pass    |
|                  |                |              |           | RB6#0                 | 15.4                           | Pass    |
|                  |                | HCH          | QPSK      | RB1#5                 | 15.5                           | Pass    |
|                  |                |              |           | RB6#0                 | 15.6                           | Pass    |
|                  |                |              | 16-QAM    | RB1#5                 | 15.7                           | Pass    |
|                  |                |              |           | RB6#0                 | 15.8                           | Pass    |
|                  | 3 MHz          | LCH          | QPSK      | RB1#0                 | 15.9                           | Pass    |
|                  |                |              |           | RB15#0                | 15.10                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.11                          | Pass    |
|                  |                |              |           | RB15#0                | 15.12                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#14                | 15.13                          | Pass    |
|                  |                |              |           | RB15#0                | 15.14                          | Pass    |
|                  |                |              | 16-QAM    | RB1#14                | 15.15                          | Pass    |
|                  |                |              |           | RB15#0                | 15.16                          | Pass    |
|                  | 5 MHz          | LCH          | QPSK      | RB1#0                 | 15.17                          | Pass    |
|                  |                |              |           | RB25#0                | 15.18                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.19                          | Pass    |
|                  |                |              |           | RB25#0                | 15.20                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#24                | 15.21                          | Pass    |
|                  |                |              |           | RB25#0                | 15.22                          | Pass    |
|                  |                |              | 16-QAM    | RB1#24                | 15.23                          | Pass    |
|                  |                |              |           | RB25#0                | 15.24                          | Pass    |
|                  | 10 MHz         | LCH          | QPSK      | RB1#0                 | 15.25                          | Pass    |
|                  |                |              |           | RB50#0                | 15.26                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.27                          | Pass    |
|                  |                |              |           | RB50#0                | 15.28                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#49                | 15.29                          | Pass    |
|                  |                |              |           | RB50#0                | 15.30                          | Pass    |
|                  |                |              | 16-QAM    | RB1#49                | 15.31                          | Pass    |
|                  |                |              |           | RB50#0                | 15.32                          | Pass    |
|                  | 15 MHz         | LCH          | QPSK      | RB1#0                 | 15.33                          | Pass    |
|                  |                |              |           | RB75#0                | 15.34                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.35                          | Pass    |
|                  |                |              |           | RB75#0                | 15.36                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#74                | 15.37                          | Pass    |
|                  |                |              |           | RB75#0                | 15.38                          | Pass    |
|                  |                |              | 16-QAM    | RB1#74                | 15.39                          | Pass    |
|                  |                |              |           | RB75#0                | 15.40                          | Pass    |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> | Verdict |
|------------------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 26 (Part90) | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | 16.1                           | Pass    |
|                  |                |              |           | RB6#0                 | 16.2                           | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 16.3                           | Pass    |
|                  |                |              |           | RB6#0                 | 16.4                           | Pass    |
|                  |                | HCH          | QPSK      | RB1#5                 | 16.5                           | Pass    |
|                  |                |              |           | RB6#0                 | 16.6                           | Pass    |
|                  |                |              | 16-QAM    | RB1#5                 | 16.7                           | Pass    |
|                  |                |              |           | RB6#0                 | 16.8                           | Pass    |
|                  | 3 MHz          | LCH          | QPSK      | RB1#0                 | 16.9                           | Pass    |
|                  |                |              |           | RB15#0                | 16.10                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 16.11                          | Pass    |
|                  |                |              |           | RB15#0                | 16.12                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#14                | 16.13                          | Pass    |
|                  |                |              |           | RB15#0                | 16.14                          | Pass    |
|                  |                |              | 16-QAM    | RB1#14                | 16.15                          | Pass    |
|                  |                |              |           | RB15#0                | 16.16                          | Pass    |
|                  | 5 MHz          | LCH          | QPSK      | RB1#0                 | 16.17                          | Pass    |
|                  |                |              |           | RB25#0                | 16.18                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 16.19                          | Pass    |
|                  |                |              |           | RB25#0                | 16.20                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#24                | 16.21                          | Pass    |
|                  |                |              |           | RB25#0                | 16.22                          | Pass    |
|                  |                |              | 16-QAM    | RB1#24                | 16.23                          | Pass    |
|                  |                |              |           | RB25#0                | 16.24                          | Pass    |
|                  | 10 MHz         | MCH          | QPSK      | RB1#0                 | 16.25                          | Pass    |
|                  |                |              |           | RB50#0                | 16.26                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 16.27                          | Pass    |
|                  |                |              |           | RB50#0                | 16.28                          | Pass    |
|                  |                | MCH          | QPSK      | RB1#49                | 16.29                          | Pass    |
|                  |                |              |           | RB50#0                | 16.30                          | Pass    |
|                  |                |              | 16-QAM    | RB1#49                | 16.31                          | Pass    |
|                  |                |              |           | RB50#0                | 16.32                          | Pass    |



| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 66   | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | 17.1                           | Pass    |
|           |                |              |           | RB6#0                 | 17.2                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.3                           | Pass    |
|           |                |              |           | RB6#0                 | 17.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#5                 | 17.5                           | Pass    |
|           |                |              |           | RB6#0                 | 17.6                           | Pass    |
|           |                |              | 16-QAM    | RB1#5                 | 17.7                           | Pass    |
|           |                |              |           | RB6#0                 | 17.8                           | Pass    |
|           | 3 MHz          | LCH          | QPSK      | RB1#0                 | 17.9                           | Pass    |
|           |                |              |           | RB15#0                | 17.10                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.11                          | Pass    |
|           |                |              |           | RB15#0                | 17.12                          | Pass    |
|           |                | HCH          | QPSK      | RB1#14                | 17.13                          | Pass    |
|           |                |              |           | RB15#0                | 17.14                          | Pass    |
|           |                |              | 16-QAM    | RB1#14                | 17.15                          | Pass    |
|           |                |              |           | RB15#0                | 17.16                          | Pass    |
|           | 5 MHz          | LCH          | QPSK      | RB1#0                 | 17.17                          | Pass    |
|           |                |              |           | RB25#0                | 17.18                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.19                          | Pass    |
|           |                |              |           | RB25#0                | 17.20                          | Pass    |
|           |                | HCH          | QPSK      | RB1#24                | 17.21                          | Pass    |
|           |                |              |           | RB25#0                | 17.22                          | Pass    |
|           |                |              | 16-QAM    | RB1#24                | 17.23                          | Pass    |
|           |                |              |           | RB25#0                | 17.24                          | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 17.25                          | Pass    |
|           |                |              |           | RB50#0                | 17.26                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.27                          | Pass    |
|           |                |              |           | RB50#0                | 17.28                          | Pass    |
|           |                | HCH          | QPSK      | RB1#49                | 17.29                          | Pass    |
|           |                |              |           | RB50#0                | 17.30                          | Pass    |
|           |                |              | 16-QAM    | RB1#49                | 17.31                          | Pass    |
|           |                |              |           | RB50#0                | 17.32                          | Pass    |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | 17.33                          | Pass    |
|           |                |              |           | RB75#0                | 17.34                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.35                          | Pass    |
|           |                |              |           | RB75#0                | 17.36                          | Pass    |
| HCH       |                | QPSK         | RB1#74    | 17.37                 | Pass                           |         |
|           |                |              | RB75#0    | 17.38                 | Pass                           |         |
|           |                | 16-QAM       | RB1#74    | 17.39                 | Pass                           |         |
|           |                |              | RB75#0    | 17.40                 | Pass                           |         |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | 17.41                          | Pass    |
|           |                |              |           | RB100#0               | 17.42                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.43                          | Pass    |
|           |                |              |           | RB100#0               | 17.44                          | Pass    |
|           |                | HCH          | QPSK      | RB1#99                | 17.45                          | Pass    |
|           |                |              |           | RB100#0               | 17.46                          | Pass    |
|           |                |              | 16-QAM    | RB1#99                | 17.47                          | Pass    |
|           |                |              |           | RB100#0               | 17.48                          | Pass    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 38   | 5 MHz          | LCH          | QPSK      | RB1#0                 | 18.1                           | Pass    |
|           |                |              |           | RB25#0                | 18.2                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.3                           | Pass    |
|           |                |              |           | RB25#0                | 18.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#24                | 18.5                           | Pass    |
|           |                |              |           | RB25#0                | 18.6                           | Pass    |
|           |                |              | 16-QAM    | RB1#24                | 18.7                           | Pass    |
|           |                |              |           | RB25#0                | 18.8                           | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 18.9                           | Pass    |
|           |                |              |           | RB50#0                | 18.10                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.11                          | Pass    |
|           |                |              |           | RB50#0                | 18.12                          | Pass    |
|           |                | HCH          | QPSK      | RB1#49                | 18.13                          | Pass    |
|           |                |              |           | RB50#0                | 18.14                          | Pass    |
|           |                |              | 16-QAM    | RB1#49                | 18.15                          | Pass    |
|           |                |              |           | RB50#0                | 18.16                          | Pass    |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | 18.17                          | Pass    |
|           |                |              |           | RB75#0                | 18.18                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.19                          | Pass    |
|           |                |              |           | RB75#0                | 18.20                          | Pass    |
|           |                | HCH          | QPSK      | RB1#74                | 18.21                          | Pass    |
|           |                |              |           | RB75#0                | 18.22                          | Pass    |
|           |                |              | 16-QAM    | RB1#74                | 18.23                          | Pass    |
|           |                |              |           | RB75#0                | 18.24                          | Pass    |
| 20 MHz    | LCH            | QPSK         | RB1#0     | 18.25                 | Pass                           |         |
|           |                |              | RB100#0   | 18.26                 | Pass                           |         |
|           |                | 16-QAM       | RB1#0     | 18.27                 | Pass                           |         |
|           |                |              | RB100#0   | 18.28                 | Pass                           |         |
|           | HCH            | QPSK         | RB1#99    | 18.29                 | Pass                           |         |
|           |                |              | RB100#0   | 18.30                 | Pass                           |         |
|           |                | 16-QAM       | RB1#99    | 18.31                 | Pass                           |         |
|           |                |              | RB100#0   | 18.32                 | Pass                           |         |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 41   | 5 MHz          | LCH          | QPSK      | RB1#0                 | 19.1                           | Pass    |
|           |                |              |           | RB25#0                | 19.2                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 19.3                           | Pass    |
|           |                |              |           | RB25#0                | 19.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#24                | 19.5                           | Pass    |
|           |                |              |           | RB25#0                | 19.6                           | Pass    |
|           |                |              | 16-QAM    | RB1#24                | 19.7                           | Pass    |
|           |                |              |           | RB25#0                | 19.8                           | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 19.9                           | Pass    |
|           |                |              |           | RB50#0                | 19.10                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 19.11                          | Pass    |
|           |                |              |           | RB50#0                | 19.12                          | Pass    |
|           |                | HCH          | QPSK      | RB1#49                | 19.13                          | Pass    |
|           |                |              |           | RB50#0                | 19.14                          | Pass    |
|           |                |              | 16-QAM    | RB1#49                | 19.15                          | Pass    |
|           |                |              |           | RB50#0                | 19.16                          | Pass    |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | 19.17                          | Pass    |
|           |                |              |           | RB75#0                | 19.18                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 19.19                          | Pass    |
|           |                |              |           | RB75#0                | 19.20                          | Pass    |
|           |                | HCH          | QPSK      | RB1#74                | 19.21                          | Pass    |
|           |                |              |           | RB75#0                | 19.22                          | Pass    |
|           |                |              | 16-QAM    | RB1#74                | 19.23                          | Pass    |
|           |                |              |           | RB75#0                | 19.24                          | Pass    |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | 19.25                          | Pass    |
|           |                |              |           | RB100#0               | 19.26                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 19.27                          | Pass    |
|           |                |              |           | RB100#0               | 19.28                          | Pass    |
|           |                | HCH          | QPSK      | RB1#99                | 19.29                          | Pass    |
|           |                |              |           | RB100#0               | 19.30                          | Pass    |
|           |                |              | 16-QAM    | RB1#99                | 19.31                          | Pass    |
|           |                |              |           | RB100#0               | 19.32                          | Pass    |

| Test Channel | Modulation | PCC RB |        | SCC RB |        | Refer to Plot <sup>Note1</sup> | Verdict |
|--------------|------------|--------|--------|--------|--------|--------------------------------|---------|
|              |            | Size   | Offset | Size   | Offset |                                |         |
| <b>CA_7C</b> |            |        |        |        |        |                                |         |
| 20MHz+10MHz  |            |        |        |        |        |                                |         |
| Low          | QPSK       | 1      | 0      | 1      | 0      | 20.1                           | Pass    |
|              |            | 1      | 0      | 1      | 49     | 20.2                           | Pass    |
|              |            | 100    | 0      | 50     | 0      | 20.3                           | Pass    |
|              | 16-QAM     | 1      | 0      | 1      | 0      | 20.4                           | Pass    |
|              |            | 1      | 0      | 1      | 49     | 20.5                           | Pass    |
|              |            | 100    | 0      | 50     | 0      | 20.6                           | Pass    |
| High         | QPSK       | 1      | 0      | 1      | 49     | 20.7                           | Pass    |
|              |            | 1      | 99     | 1      | 49     | 20.8                           | Pass    |
|              |            | 100    | 0      | 50     | 0      | 20.9                           | Pass    |
|              | 16-QAM     | 1      | 0      | 1      | 49     | 20.10                          | Pass    |
|              |            | 1      | 99     | 1      | 49     | 20.11                          | Pass    |
|              |            | 100    | 0      | 50     | 0      | 20.12                          | Pass    |
| 20MHz+20MHz  |            |        |        |        |        |                                |         |
| Low          | QPSK       | 1      | 0      | 1      | 0      | 20.13                          | Pass    |
|              |            | 1      | 0      | 1      | 99     | 20.14                          | Pass    |
|              |            | 100    | 0      | 100    | 0      | 20.15                          | Pass    |
|              | 16-QAM     | 1      | 0      | 1      | 0      | 20.16                          | Pass    |
|              |            | 1      | 0      | 1      | 99     | 20.17                          | Pass    |
|              |            | 100    | 0      | 100    | 0      | 20.18                          | Pass    |
| High         | QPSK       | 1      | 0      | 1      | 99     | 20.19                          | Pass    |
|              |            | 1      | 99     | 1      | 99     | 20.20                          | Pass    |
|              |            | 100    | 0      | 100    | 0      | 20.21                          | Pass    |
|              | 16-QAM     | 1      | 0      | 1      | 99     | 20.22                          | Pass    |
|              |            | 1      | 99     | 1      | 99     | 20.23                          | Pass    |
|              |            | 100    | 0      | 100    | 0      | 20.24                          | Pass    |

| Test Channel  | Modulation | PCC RB |        | SCC RB |        | Refer to Plot <sup>Note1</sup> | Verdict |
|---------------|------------|--------|--------|--------|--------|--------------------------------|---------|
|               |            | Size   | Offset | Size   | Offset |                                |         |
| <b>CA_38C</b> |            |        |        |        |        |                                |         |
| 15MHz+15MHz   |            |        |        |        |        |                                |         |
| Low           | QPSK       | 1      | 0      | 1      | 0      | 21.1                           | Pass    |
|               |            | 1      | 0      | 1      | 74     | 21.2                           | Pass    |
|               |            | 75     | 0      | 75     | 0      | 21.3                           | Pass    |
|               | 16-QAM     | 1      | 0      | 1      | 0      | 21.4                           | Pass    |
|               |            | 1      | 0      | 1      | 74     | 21.5                           | Pass    |
|               |            | 75     | 0      | 75     | 0      | 21.6                           | Pass    |
| High          | QPSK       | 1      | 0      | 1      | 74     | 21.7                           | Pass    |
|               |            | 1      | 74     | 1      | 74     | 21.8                           | Pass    |
|               |            | 75     | 0      | 75     | 0      | 21.9                           | Pass    |
|               | 16-QAM     | 1      | 0      | 1      | 74     | 21.10                          | Pass    |
|               |            | 1      | 74     | 1      | 74     | 21.11                          | Pass    |
|               |            | 75     | 0      | 75     | 0      | 21.12                          | Pass    |
| 20MHz+20MHz   |            |        |        |        |        |                                |         |
| Low           | QPSK       | 1      | 0      | 1      | 0      | 21.13                          | Pass    |
|               |            | 1      | 0      | 1      | 99     | 21.14                          | Pass    |
|               |            | 100    | 0      | 100    | 0      | 21.15                          | Pass    |
|               | 16-QAM     | 1      | 0      | 1      | 0      | 21.16                          | Pass    |
|               |            | 1      | 0      | 1      | 99     | 21.17                          | Pass    |
|               |            | 100    | 0      | 100    | 0      | 21.18                          | Pass    |
| High          | QPSK       | 1      | 0      | 1      | 99     | 21.19                          | Pass    |
|               |            | 1      | 99     | 1      | 99     | 21.20                          | Pass    |
|               |            | 100    | 0      | 100    | 0      | 21.21                          | Pass    |
|               | 16-QAM     | 1      | 0      | 1      | 99     | 21.22                          | Pass    |
|               |            | 1      | 99     | 1      | 99     | 21.23                          | Pass    |
|               |            | 100    | 0      | 100    | 0      | 21.24                          | Pass    |

| Test Channel       | Modulation | PCC RB |        | SCC RB |        | Refer to Plot <sup>Note1</sup> | Verdict |
|--------------------|------------|--------|--------|--------|--------|--------------------------------|---------|
|                    |            | Size   | Offset | Size   | Offset |                                |         |
| <b>CA_41C</b>      |            |        |        |        |        |                                |         |
| <b>20MHz+5MHz</b>  |            |        |        |        |        |                                |         |
| Low                | QPSK       | 1      | 0      | 1      | 0      | 22.1                           | Pass    |
|                    |            | 1      | 0      | 1      | 24     | 22.2                           | Pass    |
|                    |            | 100    | 0      | 25     | 0      | 22.3                           | Pass    |
|                    | 16-QAM     | 1      | 0      | 1      | 0      | 22.4                           | Pass    |
|                    |            | 1      | 0      | 1      | 24     | 22.5                           | Pass    |
|                    |            | 100    | 0      | 25     | 0      | 22.6                           | Pass    |
| High               | QPSK       | 1      | 0      | 1      | 24     | 22.7                           | Pass    |
|                    |            | 1      | 99     | 1      | 24     | 22.8                           | Pass    |
|                    |            | 100    | 0      | 25     | 0      | 22.9                           | Pass    |
|                    | 16-QAM     | 1      | 0      | 1      | 24     | 22.10                          | Pass    |
|                    |            | 1      | 99     | 1      | 24     | 22.11                          | Pass    |
|                    |            | 100    | 0      | 25     | 0      | 22.12                          | Pass    |
| <b>20MHz+20MHz</b> |            |        |        |        |        |                                |         |
| Low                | QPSK       | 1      | 0      | 1      | 0      | 22.13                          | Pass    |
|                    |            | 1      | 0      | 1      | 99     | 22.14                          | Pass    |
|                    |            | 100    | 0      | 100    | 0      | 22.15                          | Pass    |
|                    | 16-QAM     | 1      | 0      | 1      | 0      | 22.16                          | Pass    |
|                    |            | 1      | 0      | 1      | 99     | 22.17                          | Pass    |
|                    |            | 100    | 0      | 100    | 0      | 22.18                          | Pass    |
| High               | QPSK       | 1      | 0      | 1      | 99     | 22.19                          | Pass    |
|                    |            | 1      | 99     | 1      | 99     | 22.20                          | Pass    |
|                    |            | 100    | 0      | 100    | 0      | 22.21                          | Pass    |
|                    | 16-QAM     | 1      | 0      | 1      | 99     | 22.22                          | Pass    |
|                    |            | 1      | 99     | 1      | 99     | 22.23                          | Pass    |
|                    |            | 100    | 0      | 100    | 0      | 22.24                          | Pass    |

## NR Mode Test Verdict

| Test Band | NR Test Bandwidth (MHz) | Test Channel | Test Mode | NR UL RB No. | NR UL RB Pos. | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|-------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| n5        | 5                       | LCH          | QPSK      | 1            | 0             | 23.1                           | Pass    |
|           |                         |              |           | 25           | 0             | 23.2                           | Pass    |
|           |                         | HCH          | QPSK      | 1            | 24            | 23.3                           | Pass    |
|           |                         |              |           | 25           | 0             | 23.4                           | Pass    |
|           | 15                      | LCH          | QPSK      | 1            | 0             | 23.5                           | Pass    |
|           |                         |              |           | 79           | 0             | 23.6                           | Pass    |
|           |                         | HCH          | QPSK      | 1            | 78            | 23.7                           | Pass    |
|           |                         |              |           | 79           | 0             | 23.8                           | Pass    |
|           | 20                      | LCH          | QPSK      | 1            | 0             | 23.9                           | Pass    |
|           |                         |              |           | 106          | 0             | 23.10                          | Pass    |
|           |                         | HCH          | QPSK      | 1            | 105           | 23.11                          | Pass    |
|           |                         |              |           | 106          | 0             | 23.12                          | Pass    |

| Test Band | NR Test Bandwidth (MHz) | Test Channel | Test Mode | NR UL RB No. | NR UL RB Pos. | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|-------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| n7        | 5                       | LCH          | QPSK      | 1            | 0             | 24.1                           | Pass    |
|           |                         |              |           | 25           | 0             | 24.2                           | Pass    |
|           |                         | HCH          | QPSK      | 1            | 24            | 24.3                           | Pass    |
|           |                         |              |           | 25           | 0             | 24.4                           | Pass    |
|           | 25                      | LCH          | QPSK      | 1            | 0             | 24.5                           | Pass    |
|           |                         |              |           | 133          | 0             | 24.6                           | Pass    |
|           |                         | HCH          | QPSK      | 1            | 132           | 24.7                           | Pass    |
|           |                         |              |           | 133          | 0             | 24.8                           | Pass    |
|           | 40                      | LCH          | QPSK      | 1            | 0             | 24.9                           | Pass    |
|           |                         |              |           | 216          | 0             | 24.10                          | Pass    |
|           |                         | HCH          | QPSK      | 1            | 215           | 24.11                          | Pass    |
|           |                         |              |           | 216          | 0             | 24.12                          | Pass    |



| Test Band | NR Test Bandwidth (MHz) | Test Channel | Test Mode | NR UL RB No. | NR UL RB Pos. | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|-------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| n66       | 5                       | LCH          | QPSK      | 1            | 0             | 25.1                           | Pass    |
|           |                         |              |           | 25           | 0             | 25.2                           | Pass    |
|           |                         | HCH          | QPSK      | 1            | 24            | 25.3                           | Pass    |
|           |                         |              |           | 25           | 0             | 25.4                           | Pass    |
|           | 20                      | LCH          | QPSK      | 1            | 0             | 25.5                           | Pass    |
|           |                         |              |           | 106          | 0             | 25.6                           | Pass    |
|           |                         | HCH          | QPSK      | 1            | 105           | 25.7                           | Pass    |
|           |                         |              |           | 106          | 0             | 25.8                           | Pass    |
|           | 40                      | LCH          | QPSK      | 1            | 0             | 25.9                           | Pass    |
|           |                         |              |           | 216          | 0             | 25.10                          | Pass    |
|           |                         | HCH          | QPSK      | 1            | 215           | 25.11                          | Pass    |
|           |                         |              |           | 216          | 0             | 25.12                          | Pass    |

| Test Band | NR Test Bandwidth (MHz) | Test Channel | Test Mode | NR UL RB No. | NR UL RB Pos. | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|-------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| n38       | 20                      | LCH          | QPSK      | 1            | 0             | 26.1                           | Pass    |
|           |                         |              |           | 51           | 0             | 26.2                           | Pass    |
|           |                         | HCH          | QPSK      | 1            | 50            | 26.3                           | Pass    |
|           |                         |              |           | 51           | 0             | 26.4                           | Pass    |
|           | 30                      | LCH          | QPSK      | 1            | 0             | 26.5                           | Pass    |
|           |                         |              |           | 78           | 0             | 26.6                           | Pass    |
|           |                         | HCH          | QPSK      | 1            | 77            | 26.7                           | Pass    |
|           |                         |              |           | 78           | 0             | 26.8                           | Pass    |
|           | 40                      | LCH          | QPSK      | 1            | 0             | 26.9                           | Pass    |
|           |                         |              |           | 106          | 0             | 26.10                          | Pass    |
|           |                         | HCH          | QPSK      | 1            | 105           | 26.11                          | Pass    |
|           |                         |              |           | 106          | 0             | 26.12                          | Pass    |

| Test Band | NR Test Bandwidth (MHz) | Test Channel | Test Mode | NR UL RB No. | NR UL RB Pos. | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|-------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| n41       | 20                      | LCH          | QPSK      | 1            | 0             | 27.1                           | Pass    |
|           |                         |              |           | 51           | 0             | 27.2                           | Pass    |
|           |                         | HCH          | QPSK      | 1            | 50            | 27.3                           | Pass    |
|           |                         |              |           | 51           | 0             | 27.4                           | Pass    |
|           | 60                      | LCH          | QPSK      | 1            | 0             | 27.5                           | Pass    |
|           |                         |              |           | 162          | 0             | 27.6                           | Pass    |
|           |                         | HCH          | QPSK      | 1            | 161           | 27.7                           | Pass    |
|           |                         |              |           | 162          | 0             | 27.8                           | Pass    |
|           | 100                     | LCH          | QPSK      | 1            | 0             | 27.9                           | Pass    |
|           |                         |              |           | 273          | 0             | 27.10                          | Pass    |
|           |                         | HCH          | QPSK      | 1            | 272           | 27.11                          | Pass    |
|           |                         |              |           | 273          | 0             | 27.12                          | 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-SZ2441396-501 Data Part 5.pdf".

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

### GSM and WCDMA Mode Test Verdict

| Test Band    | Test Channel | Refer to Plot <sup>Note3</sup> | Verdict |
|--------------|--------------|--------------------------------|---------|
| GSM 850      | LCH          | 1.1                            | Pass    |
|              | MCH          |                                | Pass    |
|              | HCH          |                                | Pass    |
| GSM 1900     | LCH          | 1.2                            | Pass    |
|              | MCH          |                                | Pass    |
|              | HCH          |                                | Pass    |
| EGPRS 850    | LCH          | 2.1                            | Pass    |
|              | MCH          |                                | Pass    |
|              | HCH          |                                | Pass    |
| EGPRS 1900   | LCH          | 2.2                            | Pass    |
|              | MCH          |                                | Pass    |
|              | HCH          |                                | Pass    |
| WCDMA Band 2 | LCH          | 3.1                            | Pass    |
|              | MCH          |                                | Pass    |
|              | HCH          |                                | Pass    |
| WCDMA Band 4 | LCH          | 3.2                            | Pass    |
|              | MCH          |                                | Pass    |
|              | HCH          |                                | Pass    |
| WCDMA Band 5 | LCH          | 3.3                            | Pass    |
|              | MCH          |                                | Pass    |
|              | HCH          |                                | Pass    |

LTE Mode Test Verdict

| Test Band        | Test Bandwidth | Test Channel | Refer to Plot <sup>Note3</sup> | Verdict |
|------------------|----------------|--------------|--------------------------------|---------|
| Band 2           | 5 MHz          | LCH          | 4.1                            | Pass    |
| Band 4           | 5 MHz          | MCH          | 4.2                            | Pass    |
| Band 5           | 5 MHz          | MCH          | 4.3                            | Pass    |
| Band 7           | 5 MHz          | LCH          | 4.4                            | Pass    |
| Band 12          | 5 MHz          | HCH          | 4.5                            | Pass    |
| Band 13          | 5 MHz          | HCH          | 4.6                            | Pass    |
| Band 17          | 5 MHz          | MCH          | 4.7                            | Pass    |
| Band 26 (Part22) | 5 MHz          | MCH          | 4.8                            | Pass    |
| Band 26 (Part90) | 5 MHz          | HCH          | 4.9                            | Pass    |
| Band 66          | 5 MHz          | HCH          | 4.10                           | Pass    |
| Band 38          | 5 MHz          | MCH          | 4.11                           | Pass    |
| Band 41          | 5 MHz          | MCH          | 4.12                           | Pass    |
| CA_7C            | 20+20 MHz      | MCH+ MCH     | 4.13                           | Pass    |
| CA_38C           | 15+15 MHz      | HCH+ HCH     | 4.14                           | Pass    |
| CA_41C           | 5+20 MHz       | MCH+ MCH     | 4.15                           | Pass    |

NR Mode Test Verdict

| Test Band | Test Bandwidth (MHz) | Test Channel | Refer to Plot <sup>Note3</sup> | Verdict |
|-----------|----------------------|--------------|--------------------------------|---------|
| n5        | 15 MHz               | MCH          | 5.1                            | Pass    |
| n7        | 25 MHz               | LCH          | 5.2                            | Pass    |
| n66       | 20 MHz               | HCH          | 5.3                            | Pass    |
| n38       | 40 MHz               | HCH          | 5.4                            | Pass    |
| n41       | 20 MHz               | HCH          | 5.5                            | Pass    |

| Test Band   | Test Bandwidth (MHz) | Test Channel | Refer to Plot <sup>Note3</sup> | Verdict |
|-------------|----------------------|--------------|--------------------------------|---------|
| DC_7A_n5A   | 5MHz+5MHz            | HCH          | 5.6                            | Pass    |
| DC_66A_n5A  | 20MHz+20MHz          | HCH          | 5.7                            | Pass    |
| DC_5A_n7A   | 5MHz+5MHz            | HCH          | 5.8                            | Pass    |
| DC_66A_n7A  | 5MHz+5MHz            | LCH          | 5.9                            | Pass    |
| DC_26A_n41A | 5MHz+20MHz           | MCH          | 5.10                           | Pass    |
| DC_2A_n66A  | 5MHz+5MHz            | HCH          | 5.11                           | Pass    |
| DC_5A_n66A  | 5MHz+5MHz            | HCH          | 5.12                           | Pass    |
| DC_7A_n66A  | 20MHz+40MHz          | LCH          | 5.13                           | Pass    |

## **ANNEX B TEST SETUP PHOTOS**

Please refer to the document “BL-SZ2441396-AR.PDF”.

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer to the document “BL-SZ2441396-AW.PDF”.

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer to the document “BL-SZ2441396-AI.PDF”.

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