



ISSUED BY  
Shenzhen BALUN Technology Co., Ltd.

FOR  
**Mobile Phone**

ISSUED TO  
Guangdong OPPO Mobile Telecommunications Corp., Ltd.

NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City,  
Guangdong, China

# RF

# TEST REPORT



Tested by: Jiamin.Lu

Jiamin Lu

Date Jan. 12, 2022

Approved by: Wei Yanquan

Wei Yanquan  
(Chief Engineer)

Date Jan. 12, 2022

Report No.: BL-SZ21A0580-501

EUT Name: Mobile Phone

Model Name: CPH2371

Brand Name: OPPO

Test Standard: 47 CFR Part 2

47 CFR Part 22

47 CFR Part 24

47 CFR Part 27

47 CFR Part 90

FCC ID: R9C-CPH2371

Test Conclusion: Pass

Test Date: Oct. 25, 2021 ~ Nov. 30, 2021

Date of Issue: Jan. 12, 2022

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### Revision History

| <u>Version</u> | <u>Issue Date</u>    | <u>Revisions Content</u>   |
|----------------|----------------------|--|
| <u>Rev. 01</u> | <u>Dec. 23, 2021</u> | <u>Initial Issue</u>   |
| <u>Rev. 02</u> | <u>Jan. 10, 2022</u> | <u>Clarified about multiple antenna test in section 2.5 and Corrected the radiated power for n5 on pages 116-117</u> |
| <u>Rev. 03</u> | <u>Jan. 12, 2022</u> | <u>Updated Section 2.5 Technical Information</u>   |

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# 1 ADMINISTRATIVE DATA (GENERAL INFORMATION)

## 1.1 Identification of the Testing Laboratory

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

## 1.2 Identification of the Responsible Testing Location

|               |   |
|---------------|---|
| Test Location | Shenzhen BALUN Technology Co., Ltd.   |
| Address       | Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China.  |
| Description   | All measurement facilities used to collect the measurement data are located at Block B, FL 1, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China 518055 |

## 1.3 Laboratory Condition

|                           |                   |
|---------------------------|-------------------|
| Ambient Temperature       | 20 °C to 35 °C    |
| Ambient Relative Humidity | 30 % to 60 %      |
| Ambient Pressure          | 98 kPa to 102 kPa |

## 1.4 Announce

- (1) The test report reference to the report template version v6.2.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- (5) This document may not be altered or revised in any way unless done so by BALUN and all revisions are duly noted in the revisions section.
- (6) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (7) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant. The applicant is responsible for the impact of the information provided on the validity of the results.

## 2 PRODUCT INFORMATION

### 2.1 Applicant Information

|           |  |
|-----------|--|
| Applicant | Guangdong OPPO Mobile Telecommunications Corp., Ltd.                             |
| Address   | NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China |

### 2.2 Manufacturer Information

|              |  |
|--------------|--|
| Manufacturer | Guangdong OPPO Mobile Telecommunications Corp., Ltd.                             |
| Address      | NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China |

### 2.3 Factory Information

|         |  |
|---------|--|
| Factory | Guangdong OPPO Mobile Telecommunications Corp., Ltd.                             |
| Address | NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China |

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

|   |                     |
|---|---------------------|
| EUT Name                                  | Mobile Phone        |
| Model Name Under Test                     | CPH2371             |
| Series Model Name                         | N/A                 |
| Description of Model name differentiation | N/A                 |
| Hardware Version                          | 11                  |
| Software Version                          | ColorOS V12         |
| Dimensions (Approx.)                      | 160.6*73.2*7.81mm   |
| Weight (Approx.)                          | 173g (with battery) |

## 2.5 Technical Information

Note: The information provided by the applicant, except for The Max RF Output Power (EIRP/ERP).

|  |   |
|--|---|
| <p>All Network and Wireless connectivity for EUT</p>   | <p>2G Network GSM/GPRS/EDGE 850/1900 MHz<br/>           3G Network WCDMA/HSDPA/HSUPA/DC-HSDPA/HSPA+ Band 2/4/5<br/>           4G Network FDD LTE Band 2/4/5/7/12/17/26/66<br/>           TDD LTE Band 38/41<br/>           LTE CA Uplink (UL): CA_7C, CA_38C, CA_41C<br/>           5G Network SA: NR n5/n7/n38/n41<br/>           NSA(EN-DC): DC_7A_n66A, DC_66A_n66A, DC_5A_n7A, DC_7A_n7A, DC_66A_n7A, DC_7A_n5A<br/>           Bluetooth (BR+EDR+BLE)<br/>           2.4G WIFI 802.11b, 802.11g, 802.11n (HT20/40), 802.11VHT20/40, 802.11ax (HE20/40)<br/>           5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80), 802.11ax(HE20/40/80) U-NII-1/2A/2C/3<br/>           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 requirement for the following technical information of the EUT was tested in this report:

|                        |   |  |
|------------------------|---|--|
| <p>Operating Bands</p> | <p>GSM/GPRS/EDGE 850/1900 MHz<br/>           WCDMA/HSDPA/HSUPA Band 2/4/5<br/>           FDD LTE Band 2/4/5/7/12/17/26/66<br/>           TDD LTE Band 38/41<br/>           CA_7C, CA_38C, CA_41C<br/>           SA: NR n5/n7/n38/n41<br/>           NSA: DC_7A_n66A, DC_66A_n66A, DC_5A_n7A, DC_7A_n7A, DC_66A_n7A, DC_7A_n5A</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>NR</p>   | <p>CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM<br/>           DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM</p> |

|                                   |  |
|-----------------------------------|--|
| <p>TX Frequency Range</p>         | <p>GSM/GPRS/EGPRS 850: 824 MHz ~ 849 MHz<br/>         GSM/GPRS/EGPRS 1900: 1850 MHz ~ 1910 MHz<br/>         WCDMA/HSDPA/HSUPA Band 2: 1850 MHz ~ 1910 MHz<br/>         WCDMA/HSDPA/HSUPA Band 4: 1710 MHz ~ 1755 MHz<br/>         WCDMA/HSDPA/HSUPA Band 5: 824 MHz ~ 849 MHz<br/>         FDD LTE Band 2: 1850 MHz ~ 1910 MHz<br/>         FDD LTE Band 4: 1710 MHz ~ 1755 MHz<br/>         FDD LTE Band 5: 824 MHz ~ 849 MHz<br/>         FDD LTE Band 7: 2500 MHz ~ 2570 MHz<br/>         FDD LTE Band 12: 699 MHz ~ 716 MHz<br/>         FDD LTE Band 17: 704 MHz ~ 716 MHz<br/>         FDD LTE Band 26: 814 MHz ~ 849 MHz<br/>         FDD LTE Band 66: 1710 MHz ~ 1780 MHz<br/>         TDD LTE Band 38: 2570 MHz ~ 2620 MHz<br/>         TDD LTE Band 41: 2496 MHz ~ 2690 MHz<br/>         FDD NR Band n5: 824 MHz ~ 849MHz<br/>         FDD NR Band n7: 2500 MHz ~ 2570MHz<br/>         FDD NR Band n66: 1710 MHz ~ 1780 MHz<br/>         TDD NR Band n38: 2570 MHz ~ 2620 MHz<br/>         TDD NR Band n41: 2496 MHz ~ 2690MHz</p> |
| <p>Rx Frequency Range</p>         | <p>GSM/GPRS/EGPRS 850: 869 MHz ~ 894 MHz<br/>         GSM/GPRS/EGPRS 1900: 1930 MHz ~ 1990 MHz<br/>         WCDMA/HSDPA/HSUPA Band 2: 1930 MHz ~ 1990 MHz<br/>         WCDMA/HSDPA/HSUPA Band 4: 2110 MHz ~ 2155 MHz<br/>         WCDMA/HSDPA/HSUPA Band 5: 869 MHz ~ 894 MHz<br/>         FDD LTE Band 2: 1930 MHz ~ 1990 MHz<br/>         FDD LTE Band 4: 2110 MHz ~ 2155 MHz<br/>         FDD LTE Band 5: 869 MHz ~ 894 MHz<br/>         FDD LTE Band 7: 2620 MHz ~ 2690 MHz<br/>         FDD LTE Band 12: 729 MHz ~ 746 MHz<br/>         FDD LTE Band 17: 734 MHz ~ 746 MHz<br/>         FDD LTE Band 26: 859 MHz ~ 894 MHz<br/>         FDD LTE Band 66: 2110 MHz ~ 2180 MHz<br/>         TDD LTE Band 38: 2570 MHz ~ 2620 MHz<br/>         TDD LTE Band 41: 2496 MHz ~ 2690 MHz<br/>         FDD NR Band n5: 869 MHz ~ 894MHz<br/>         FDD NR Band n7: 2620 MHz ~ 2690MHz<br/>         FDD NR Band n66: 2110 MHz ~ 2180 MHz<br/>         TDD NR Band n38: 2570 MHz ~ 2620 MHz<br/>         TDD NR Band n41: 2496 MHz ~ 2690MHz</p> |
| <p>SCS and Channel Bandwidths</p> | <p>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<br/>         n66_SCS 15kHz: 5 MHz, 10 MHz, 15 MHz, 20 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, 80 MHz, 90 MHz, 100 MHz</p>   |

|                        |  |
|------------------------|--|
| <p>Power Class</p>     | <p>GSM/GPRS 850: 4<br/> GSM/GPRS 1900: 1<br/> EGPRS 850/1900: E2<br/> WCDMA/HSDPA/HSUPA Band 2: 3<br/> WCDMA/HSDPA/HSUPA Band 4: 3<br/> WCDMA/HSDPA/HSUPA Band 5: 3<br/> FDD LTE Band 2: 3<br/> FDD LTE Band 4: 3<br/> FDD LTE Band 5: 3<br/> FDD LTE Band 7: 3<br/> FDD LTE Band 12: 3<br/> FDD LTE Band 17: 3<br/> FDD LTE Band 26: 3<br/> FDD LTE Band 66: 3<br/> TDD LTE Band 38: 3<br/> TDD LTE Band 41: 3<br/> FDD NR Band n5: 3<br/> FDD NR Band n7: 3<br/> FDD NR Band n66: 3<br/> TDD NR Band n38: 3<br/> TDD NR Band n41: 3</p>  |
| <p>Multislot Class</p> | <p>GPRS/EGPRS: 12</p>  |
| <p>Antenna Type</p>    | <p>PIFA Antenna</p>  |
| <p>Antenna Gain</p>    | <p>GSM/GPRS/EGPRS 850:-6.3dBi(Ant0),-4.3dBi(Ant1)<br/> GSM/GPRS/EGPRS 1900:-0.7dBi(Ant0),-0.7dBi(Ant1)<br/> WCDMA/HSDPA/HSUPA Band 2:-0.7dBi(Ant0),-0.7dBi(Ant1)<br/> WCDMA/HSDPA/HSUPA Band 4:-1.5dBi(Ant0),-4.1dBi(Ant1)<br/> WCDMA/HSDPA/HSUPA Band 5:-6.3dBi(Ant0),-4.3dBi(Ant1)<br/> FDD LTE Band 2:-0.7dBi(Ant0),-0.7dBi(Ant1),-4.5dBi(Ant3)<br/> FDD LTE Band 4:-1.5dBi(Ant0),-4.1dBi(Ant1)<br/> FDD LTE Band 5:-6.3dBi(Ant0),-4.3dBi(Ant1)<br/> FDD LTE Band 7:-1.6dBi(Ant0),0dBi(Ant1),-2dBi(Ant3),-0.8dBi(Ant4)<br/> FDD LTE Band 12:-6.4dBi(Ant0),-6.1dBi(Ant1)<br/> FDD LTE Band 17:-6.4dBi(Ant0),-6.1dBi(Ant1)<br/> FDD LTE Band 26 (part22):-6.3dBi(Ant0),-4.3dBi(Ant1)<br/> FDD LTE Band 26 (part90):-6.3dBi(Ant0),-4.3dBi(Ant1)<br/> FDD LTE Band 66:-1.4dBi(Ant0),-3.5dBi(Ant1),-4.2dBi(Ant3),<br/> -4.8dBi(Ant4)<br/> TDD LTE Band 38:-1.7dBi(Ant0),-1.9dBi(Ant1)<br/> TDD LTE Band 41:-1.6dBi(Ant0),0dBi(Ant1)<br/> FDD NR Band n5:-6.3dBi(Ant0),-4.3dBi(Ant1)<br/> FDD NR Band n7:-1.6dBi(Ant0),0dBi(Ant1),-0.8dBi(Ant4)<br/> FDD NR Band n66:-3.5dBi(Ant1),-4.8dBi(Ant4)<br/> TDD NR Band n38:-1.7dBi(Ant0),-1.9dBi(Ant1),-0.4dBi(Ant4)<br/> TDD NR Band n41:-1.6dBi(Ant0),0dBi(Ant1),-0.4dBi(Ant4)</p> |



|                                    |  |
|------------------------------------|--|
| The Max RF Output Power (EIRP/ERP) | GSM/GPRS/EGPRS 850: 24.14 dBm<br>GSM/GPRS/EGPRS 1900: 29.28 dBm<br>WCDMA/HSDPA/HSUPA Band 2: 22.27 dBm<br>WCDMA/HSDPA/HSUPA Band 4: 22.38 dBm<br>WCDMA/HSDPA/HSUPA Band 5: 15.50 dBm<br>FDD LTE Band 2: 22.07 dBm<br>FDD LTE Band 4: 22.32 dBm<br>FDD LTE Band 5: 15.63 dBm<br>FDD LTE Band 7: 22.35 dBm<br>FDD LTE Band 12: 15.34 dBm<br>FDD LTE Band 17: 15.42 dBm<br>FDD LTE Band 26 (part22): 15.74 dBm<br>FDD LTE Band 26 (part90): 15.74 dBm<br>TDD LTE Band 38: 22.44 dBm<br>TDD LTE Band 41: 22.74 dBm<br>FDD LTE Band 66: 22.33 dBm<br>CA_7C: 21.96 dBm<br>CA_38C: 21.85 dBm<br>CA_41C: 21.86 dBm<br>FDD NR Band n5: 15.30 dBm<br>FDD NR Band n7: 22.16 dBm<br>TDD NR Band n38: 22.29 dBm<br>TDD NR Band n41: 22.44 dBm<br>FDD NR DC_5A_n7A: 21.78 dBm<br>FDD NR DC_7A_n5A: 15.38 dBm<br>FDD NR DC_7A_n7A: 21.83 dBm<br>FDD NR DC_7A_n66A: 23.03 dBm<br>FDD NR DC_66A_n7A: 21.82 dBm<br>FDD NR DC_66A_n66A: 23.13 dBm |
|------------------------------------|--|

Note 1: The EUT information are declared by manufacturer. For more detailed features description, please refer to the manufacturer's specifications or user's manual.

Note 2: There are two main antennas and two diversity antennas for WWAN. Two diversity antennas only support receiving signal. Two main antennas have only one RF port, supporting transceiving, and can switch. But main antennas can't transmit simultaneously. Details please refer to internal photos.

### 3 SUMMARY OF TEST RESULTS

#### 3.1 Test Standards

| No. | Identity                    | Document Title  |
|-----|-----------------------------|---|
| 1   | 47 CFR Part 2               | Frequency Allocations and Radio Treaty Matters;<br>General Rules and Regulations                                  |
| 2   | 47 CFR Part 22<br>Subpart H | Cellular Radiotelephone Service   |
| 3   | 47 CFR Part 24<br>Subpart E | Broadband PCS   |
| 4   | 47 CFR Part 27              | Miscellaneous Wireless Communications Services  |
| 5   | 47 CFR Part 90<br>Subpart S | Regulations Governing Licensing and Use of Frequencies in the<br>806-824, 851-869, 896-901, and 935-940 MHz Bands |
| 6   | ANSI/TIA-603-E-2016         | Land Mobile FM or PM Communications Equipment<br>Measurement and Performance Standards                            |
| 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)<br>90.542(a) | 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<br>90.543       | ANNEX A.5                     | Pass         |
| 7   | Band Edge                              | 2.1051<br>22.917<br>24.238<br>27.53<br>90.691<br>90.543       | ANNEX A.6                     | Pass         |
| 8   | Field Strength of Spurious Radiation   | 2.1053<br>22.917<br>24.238<br>27.53<br>90.691<br>90.543       | ANNEX A.7                     | Pass         |

## 4 GENERAL TEST CONFIGURATIONS

### 4.1 Test Environments

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

|                             |                         |        |
|-----------------------------|-------------------------|--------|
| Test Voltage of the EUT     | NV (Normal Voltage)     | 7.74 V |
|                             | LV (Low Voltage)        | 6.80 V |
|                             | HV (High Voltage)       | 8.90 V |
| Test Temperature of the EUT | NT (Normal Temperature) | +25 °C |
|                             | LT (Low Temperature)    | -30 °C |
|                             | HT (High Temperature)   | +50 °C |

### 4.2 Test Equipment List

| Description                          | Manufacturer | Model         | Serial No.             | Software /Firmware Version | Cal. Date  | Cal. Due   |
|--------------------------------------|--------------|---------------|------------------------|----------------------------|------------|------------|
| <b>Conducted Test System</b>         |              |               |                        |                            |            |            |
| Test Software 1                      | R&S          | CMUgo         | N/A                    | V2.0.1                     | N/A        | N/A        |
| Test Software 2                      | R&S          | CMWRun        | N/A                    | V1.9.8                     | N/A        | N/A        |
| Test Software 3                      | BALUN        | BL410R        | N/A                    | V2.1.1.48<br>8             | N/A        | N/A        |
| Universal Radio Communication Tester | R&S          | CMU 200       | 119280                 | V5.13                      | 2021.01.14 | 2022.01.13 |
| Wideband Radio Communication Tester  | R&S          | CMW 500       | 127794                 | V3.5.137                   | 2021.06.01 | 2022.05.31 |
| Wideband Radio Communication Tester  | R&S          | CMW 500       | 120598                 | V3.5.137                   | 2021.01.14 | 2022.01.13 |
| Spectrum Analyzer                    | R&S          | FSV-40        | 101544                 | 2.30.SP4                   | 2021.06.01 | 2022.05.31 |
| Spectrum Analyzer                    | Agilent      | E4440A        | MY45304434             | A.11.21                    | 2021.09.08 | 2022.09.07 |
| Spectrum Analyzer                    | Agilent      | E4440A        | MY46181663             | A.11.21                    | 2021.10.11 | 2022.10.10 |
| Temperature Chamber                  | AHK          | SP20          | 1412                   | N/A                        | 2021.06.04 | 2022.06.03 |
| DC Power Supply                      | ITECH        | IT6863A       | 8000140207<br>57120008 | N/A                        | 2021.09.12 | 2022.09.11 |
| Power Sensor                         | Agilent      | E9304A<br>H18 | MY41497164             | N/A                        | 2021.09.08 | 2022.09.07 |
| Power Splitter                       | KMW          | DCPD-<br>LDC  | 1305003215             | N/A                        | N/A        | N/A        |
| Attenuator<br>(20 dB)                | KMW          | ZA-S1-201     | 110617091              | N/A                        | N/A        | N/A        |

| Description                         | Manufacturer | Model       | Serial No. | Software /Firmware Version | Cal. Date  | Cal. Due   |
|-------------------------------------|--------------|-------------|------------|----------------------------|------------|------------|
| Attenuator (6 dB)                   | KMW          | ZA-S1-61    | 1305003189 | N/A                        | N/A        | N/A        |
| Radio Communication Test Station    | Anritsu      | MT8821C     | 6201588572 | N/A                        | 2021.07.06 | 2022.07.05 |
| Radio Communication Test Station    | Anritsu      | MT8000A     | 6261940329 | N/A                        | 2021.03.16 | 2022.03.15 |
| 5G Wireless Test Platform           | Keysight     | E7515B UXM  | MY59321617 | N/A                        | 2021.10.11 | 2022.10.10 |
| 5G Wireless Test Platform           | Starpoint    | SP9500-CTS  | 19220      | N/A                        | 2021.10.11 | 2022.10.10 |
| Wideband Radio Communication Tester | R&S          | CMW 500     | 168792     | V3.5.137                   | 2021.04.01 | 2022.03.31 |
| <b>Radiated Test System</b>         |              |             |            |                            |            |            |
| Test Software                       | BALUN        | BL410_E     | N/A        | V19.918                    | N/A        | N/A        |
| Test Antenna-Bi-Log(30 MHz-3 GHz)   | Schwarzbeck  | VULB 9163   | 9163-624   | N/A                        | 2019.07.02 | 2022.07.01 |
| Test Antenna-Horn(1-18 GHz)         | Schwarzbeck  | BBHA 9120D  | 9120D-1917 | N/A                        | 2019.07.02 | 2022.07.01 |
| Test Antenna-Horn(18-40 GHz)        | A-INFO       | LB-180400KF | J211060273 | N/A                        | 2021.01.04 | 2023.01.03 |
| Anechoic Chamber                    | YIHENG       | 9m*6m*6m    | #3         | N/A                        | 2018.07.18 | 2022.07.17 |
| EMI Receiver                        | KEYSIGHT     | N9038A      | MY53220118 | A.14.16                    | 2021.09.13 | 2022.09.12 |
| Wideband Radio Communication Tester | R&S          | CMW 500     | 127794     | V3.2.73                    | 2021.06.01 | 2022.05.31 |
| 5G Wireless Test Platform           | Keysight     | E7515B UXM  | MY59321617 | N/A                        | 2021.10.11 | 2022.10.10 |
| 5G Wireless Test Platform           | Starpoint    | SP9500-CTS  | 19220      | N/A                        | 2021.10.11 | 2022.10.10 |

### 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   |
|  | WCDMA Band 4 | v            | v   | v   |
|  | WCDMA Band 5 | v            | v   | v   |

| Test Items                           | Test Mode    | Test Channel |     |     |
|--------------------------------------|--------------|--------------|-----|-----|
|                                      |              | LCH          | MCH | HCH |
| 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   |
| 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   |
| 66  | v               | v  | v  | v  | v  | v  | v               | v      | v   | v    | v    | v            | v   | v   |
| 38  | n               | n  | v  | v  | v  | v  | v               | v      | v   | v    | v    | v            | v   | v   |
| 41  | n               | n  | 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   |
| 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   | --  |
| 66  | --              | -- | -- | -- | -- | v  | v               | v      | v   | --   | v    | v            | v   | v   |
| 38  | n               | n  | -- | -- | -- | v  | v               | v      | v   | --   | v    | v            | v   | v   |
| 41  | n               | n  | -- | -- | -- | v  | v               | v      | v   | --   | v    | v            | v   | v   |
| <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   |
| 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   |
| 66  | v               | v  | v  | v  | v  | v  | v               | v      | --  | --   | v    | v            | v   | v   |
| 38  | n               | n  | v  | v  | v  | v  | v               | v      | --  | --   | v    | v            | v   | v   |
| 41  | n               | n  | v  | v  | v  | v  | v               | v      | --  | --   | v    | v            | v   | v   |
| <b>Frequency Stability</b>                  |                 |    |    |    |    |    |                 |        |     |      |      |              |     |     |
| 2   | --              | -- | -- | v  | -- | -- | v               | v      | --  | --   | v    | --           | v   | --  |
| 4   | --              | -- | -- | v  | -- | -- | v               | v      | --  | --   | v    | --           | v   | --  |
| 5   | --              | -- | -- | v  | n  | n  | v               | v      | --  | --   | v    | --           | v   | --  |
| 7   | n               | n  | -- | v  | -- | -- | v               | v      | --  | --   | v    | --           | v   | --  |
| 12  | --              | -- | -- | v  | n  | n  | v               | v      | --  | --   | v    | --           | v   | --  |
| 17  | n               | n  | -- | v  | n  | n  | v               | v      | --  | --   | v    | --           | v   | --  |



| 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 |
| 26(Part22)                                    | --              | -- | -- | v  | -- | n  | v               | v      | --  | --   | v    | --           | v   | --  |
| 26(Part90)                                    | --              | -- | -- | v  | -- | n  | v               | v      | --  | --   | v    | --           | v   | --  |
| 66  | --              | -- | -- | v  | -- | -- | v               | v      | --  | --   | v    | --           | v   | --  |
| 38  | n               | n  | -- | v  | -- | -- | v               | v      | --  | --   | v    | --           | v   | --  |
| 41  | n               | n  | -- | 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   |
| 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   |
| 66  | v               | v  | v  | v  | v  | v  | v               | v      | v   | --   | --   | v            | v   | v   |
| 38  | n               | n  | v  | v  | v  | v  | v               | v      | v   | --   | --   | v            | v   | v   |
| 41  | n               | n  | 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   |
| 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   |
| 66  | v               | v  | v  | v  | v  | v  | v               | v      | v   | --   | v    | v            | --  | v   |
| 38  | n               | n  | v  | v  | v  | v  | v               | v      | v   | --   | v    | v            | --  | v   |
| 41  | n               | n  | v  | v  | v  | v  | v               | v      | v   | --   | v    | v            | --  | v   |
| <b>Field Strength of Spurious Radiation</b>   |                 |    |    |    |    |    |                 |        |     |      |      |              |     |     |
| 2   | v               | v  | v  | v  | v  | v  | v               | --     | v   | --   | --   | --           | v   | --  |
| 4   | v               | v  | v  | v  | v  | v  | v               | --     | v   | --   | --   | --           | v   | --  |
| 5   | v               | v  | v  | v  | n  | n  | v               | --     | v   | --   | --   | --           | v   | --  |
| 7   | n               | n  | v  | v  | v  | v  | v               | --     | v   | --   | --   | --           | v   | --  |
| 12  | v               | v  | v  | v  | n  | n  | v               | --     | v   | --   | --   | --           | v   | --  |
| 17  | n               | n  | v  | v  | n  | n  | v               | --     | v   | --   | --   | --           | v   | --  |
| 26(Part22)                                    | v               | v  | v  | v  | v  | n  | v               | --     | v   | --   | --   | --           | v   | --  |
| 26(Part90)                                    | v               | v  | v  | v  | -- | n  | v               | --     | v   | --   | --   | --           | v   | --  |
| 66  | v               | v  | v  | v  | v  | v  | v               | --     | v   | --   | --   | --           | v   | --  |
| 38  | n               | n  | v  | v  | v  | v  | v               | --     | v   | --   | --   | --           | v   | --  |
| 41  | n               | n  | v  | v  | v  | v  | v               | --     | v   | --   | --   | --           | v   | --  |

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              |
| 3            |              |                         | 19965          | 1711.5             |
| 5            |              |                         | 19975          | 1712.5             |
| 10           |              |                         | 20000          | 1715               |
| 15           |              |                         | 20025          | 1717.5             |
| 20           |              |                         | 20050          | 1720               |
| Middle Range |              | 1.4/3/5/10/15/20        | 20175          | 1732.5             |
| High Range   |              | 1.4                     | 20393          | 1754.3             |
|              |              | 3                       | 20385          | 1753.5             |
|              |              | 5                       | 20375          | 1752.5             |
|              |              | 10                      | 20350          | 1750               |
|              |              | 15                      | 20325          | 1747.5             |
|              |              | 20                      | 20300          | 1745               |
| LTE Band 5   |              | Low Range               | 1.4            | 20407              |
|              | 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              |
| 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               |

| Test Mode            | UL Channel   | Channel Bandwidth (MHz) | UL Channel No. | UL Frequency (MHz) |
|----------------------|--------------|-------------------------|----------------|--------------------|
|                      |              | 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                |
|                      |              | 1.4/3/5/10              | 23095          | 707.5              |
|                      | High Range   | 1.4                     | 23173          | 715.3              |
|                      |              | 3                       | 23165          | 714.5              |
|                      |              | 5                       | 23155          | 713.5              |
|                      |              | 10                      | 23130          | 711                |
|                      |              |                         |                |                    |
| LTE Band 17          | Low Range    | 5                       | 23755          | 706.5              |
|                      |              | 10                      | 23780          | 709                |
|                      | Middle Range | 5/10                    | 23790          | 710                |
|                      | High Range   | 5                       | 23825          | 713.5              |
|                      |              | 10                      | 23800          | 711                |
| LTE Band 26 (Part22) | Low Range    | 1.4                     | 26797          | 824.7              |
|                      |              | 3                       | 26805          | 825.5              |
|                      |              | 5                       | 26815          | 826.5              |
|                      |              | 10                      | 26840          | 829                |
|                      |              | 15                      | 26865          | 831.5              |
|                      | Middle Range | 1.4/3/5/10/15           | 26915          | 836.5              |
|                      | High Range   | 1.4                     | 27033          | 848.3              |
|                      |              | 3                       | 27025          | 847.5              |
|                      |              | 5                       | 27015          | 846.5              |
|                      |              | 10                      | 26990          | 844                |
|                      |              | 15                      | 26965          | 841.5              |
|                      |              |                         |                |                    |
| LTE Band 26 (Part90) | Low Range    | 1.4                     | 26697          | 814.7              |
|                      |              | 3                       | 26705          | 815.5              |
|                      |              | 5                       | 26715          | 816.5              |
|                      |              | 10                      | ---            | ---                |
|                      | Middle Range | 1.4/3/5/10              | 26740          | 819                |
|                      | High Range   | 1.4                     | 26783          | 823.3              |
|                      |              | 3                       | 26775          | 822.5              |
|                      |              | 5                       | 26765          | 821.5              |
|                      |              | 10                      | ---            | ---                |
|                      |              |                         |                |                    |
| LTE Band 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               |
|                      |              |                         |                |                    |

| Test Mode    | UL Channel   | Channel Bandwidth (MHz) | UL Channel No. | UL Frequency (MHz) |
|--------------|--------------|-------------------------|----------------|--------------------|
|              | 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              |
| 10           |              |                         | 39700          | 2501               |
| 15           |              |                         | 39725          | 2503.5             |
| 20           |              |                         | 39750          | 2506               |
| Middle Range |              | 5/10/15/20              | 40620          | 2593               |
| High Range   |              | 5                       | 41565          | 2687.5             |
|              |              | 10                      | 41540          | 2685               |
|              |              | 15                      | 41515          | 2682.5             |
|              |              | 20                      | 41490          | 2680               |

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

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

| Test frequencies for CA_41C (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              |
|            | 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             |
|            | 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               |

| 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               |

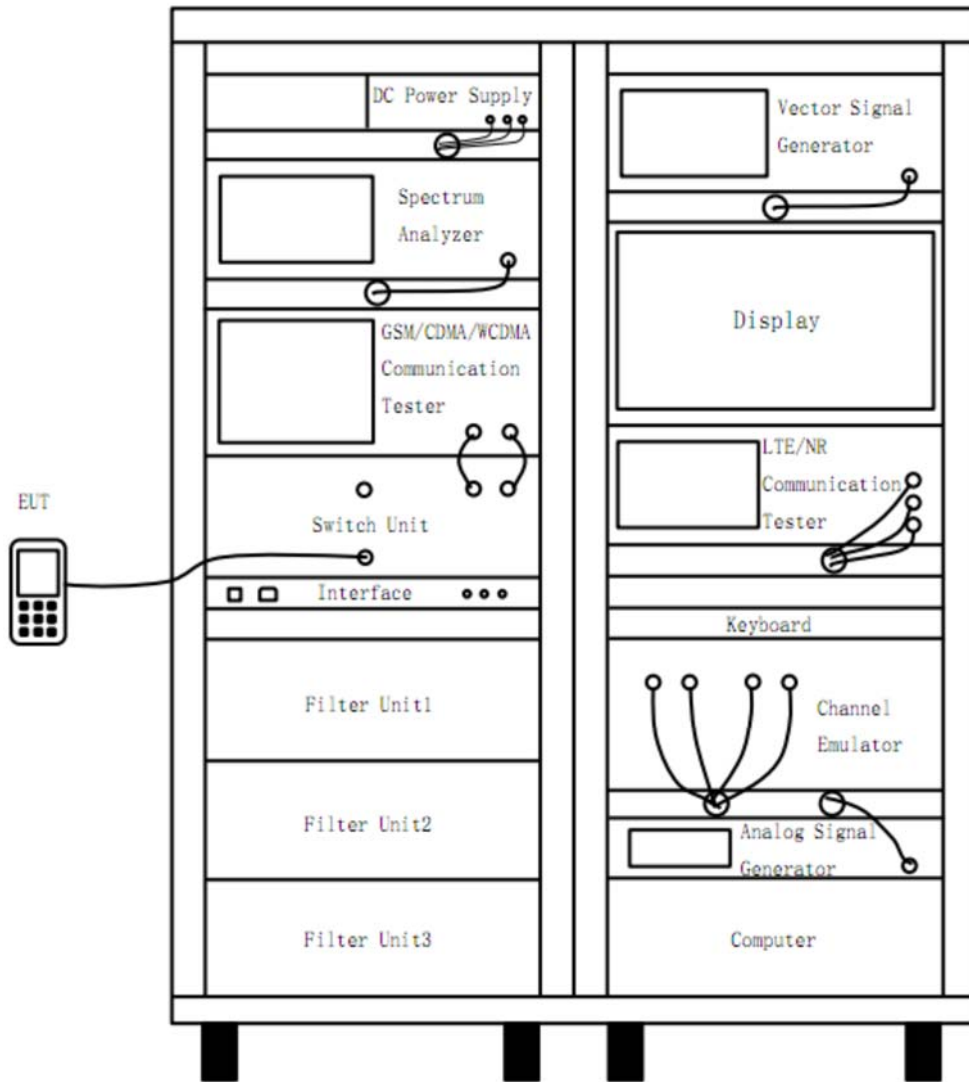
| Test Mode   | Channel Bandwidth (MHz) | UL Channel   | UL Channel No. | UL Frequency (MHz) |
|-------------|-------------------------|--------------|----------------|--------------------|
| NR Band n41 | 20                      | Low Range    | 501204         | 2506.02            |
|             |                         | Middle Range | 518598         | 2592.99            |
|             |                         | High Range   | 535998         | 2679.99            |
|             | 60                      | Low Range    | 505200         | 2526               |
|             |                         | Middle Range | 518598         | 2592.99            |
|             |                         | High Range   | 531996         | 2659.98            |
|             | 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             |
|             | 20                      | Low Range    | 344000         | 1710               |
|             |                         | Middle Range | 349000         | 1745               |
|             |                         | High Range   | 354000         | 1770               |
|             | 40                      | Low Range    | 346000         | 1730               |
|             |                         | Middle Range | 349000         | 1745               |
|             |                         | High Range   | 352000         | 1760               |



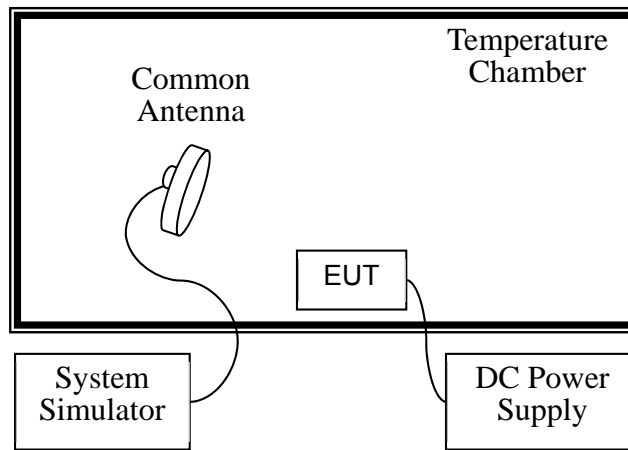
## 4.4 Test Setup

### 4.4.1 For Antenna Port Test



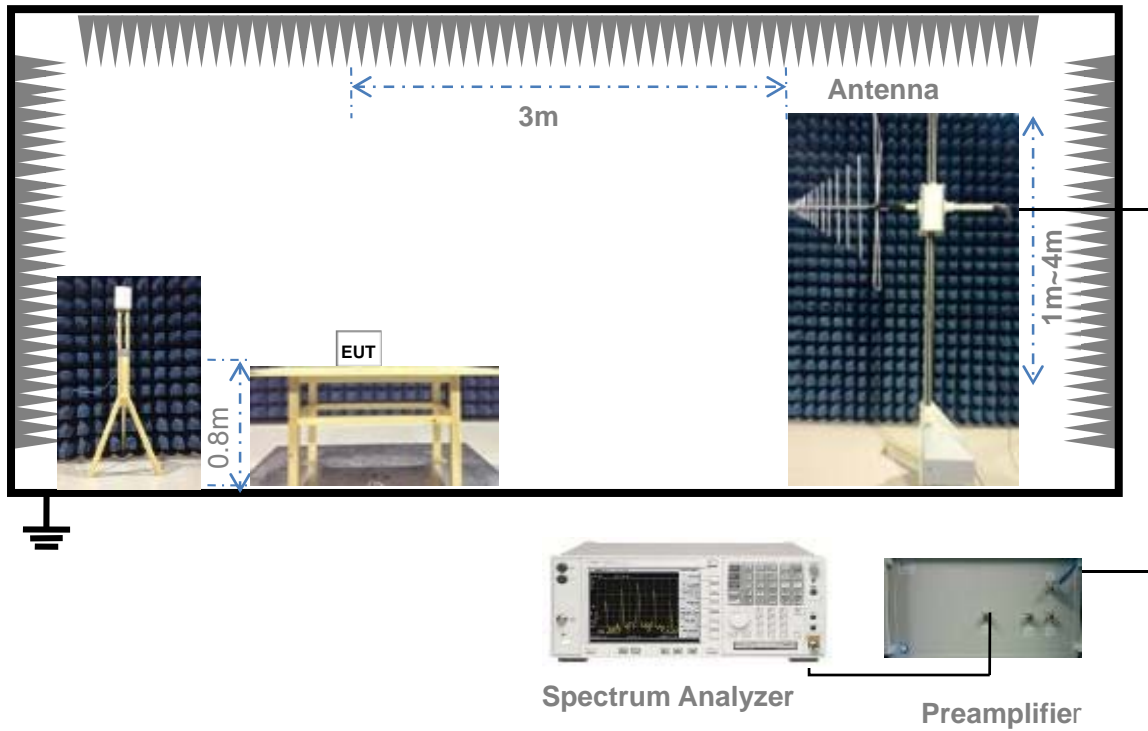
(Diagram 1)

#### 4.4.2 For Frequency Stability Test



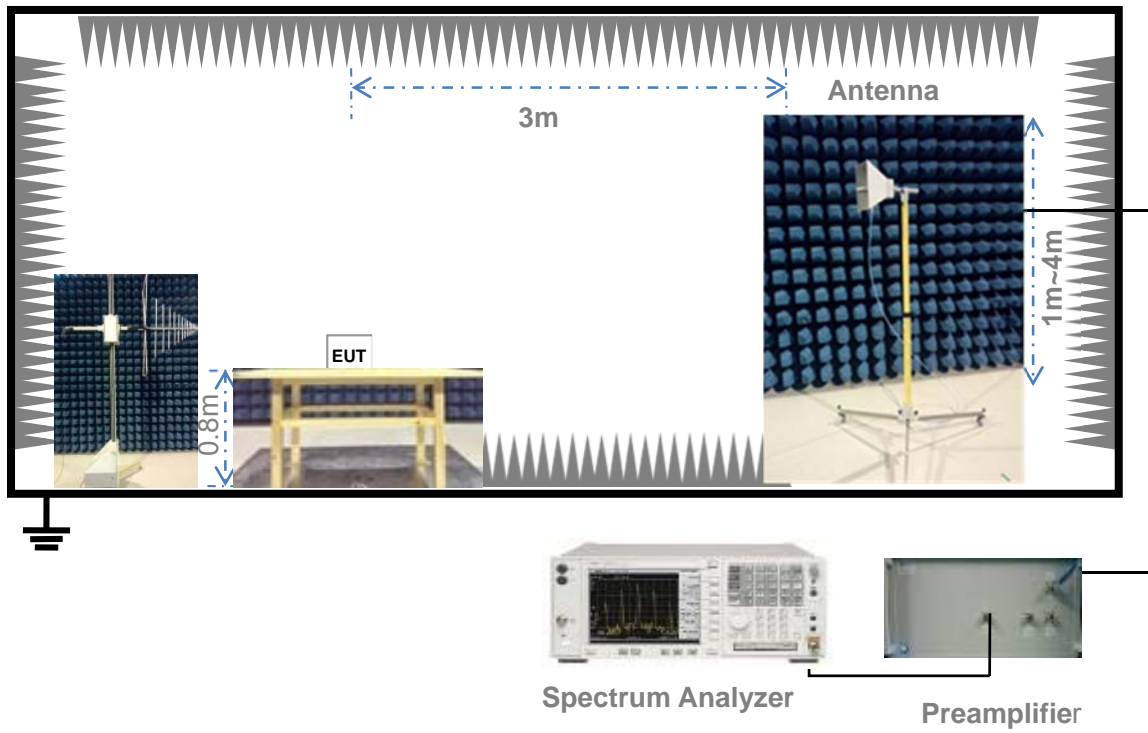
(Diagram 2)

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



(Diagram 3)

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



(Diagram 4)

## 5 TEST ITEMS

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

#### 5.1.1 Limit

FCC § 2.1046 & 22.913(a) & 24.232(c) & 27.50(a) & 27.50(b) & 27.50(c) & 27.50(d) & 27.50(h) & 90.635(b) & 90.542(a)

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.

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.

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

According to FCC section 90.542(a) (7), portable stations (hand-held devices) transmitting in the 758-768 MHz band and the 788-798 MHz band are limited to 3 watts ERP.

#### 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)

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), 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 one 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(m) & 90.691 & 90.543

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(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 § 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.

FCC § 90.543

(e) For operations in the 758–768 MHz and the 788–798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than  $76 + 10 \log (P)$  dB in a 6.25 kHz band segment, for base and fixed stations.

(2) On all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than  $65 + 10 \log (P)$  dB in a 6.25 kHz band segment, for mobile and portable stations.

(3) On any frequency between 775–788 MHz, above 805 MHz, and below 758 MHz, by at least  $43 + 10 \log (P)$  dB.

(4) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

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

### 5.5.2 Test Setup

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

### 5.5.3 Test Procedure

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

1. The EUT is coupled to the system simulator and spectrum analyzer; the RF load attached to EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading.
2. CMW500 is used to establish communication with the EUT, and its parameters are set to force the EUT transmitting at maximum output power.
3. The RF output of the transmitter is connected to the input of the spectrum analyzer through sufficient attenuation.
4. Spurious emissions are tested with 0.001MHz RBW for frequency less than 150kHz, 0.01MHz RBW for frequency less than 30MHz, 0.1MHz RBW for frequency less than 1GHz, and 1MHz RBW for frequency above 1GHz. And sweep point number are at least 401, referring to following formula.

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

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

$$\text{Detector Mode} = \text{mean or average power}$$

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(m) & 90.691 & 90.543

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(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 § 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.

## FCC § 90.543

(e) For operations in the 758–768 MHz and the 788–798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than  $76 + 10 \log (P)$  dB in a 6.25 kHz band segment, for base and fixed stations.

(2) On all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than  $65 + 10 \log (P)$  dB in a 6.25 kHz band segment, for mobile and portable stations.

(3) On any frequency between 775–788 MHz, above 805 MHz, and below 758 MHz, by at least  $43 + 10 \log (P)$  dB.

(4) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

## 5.6.2 Test Setup

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

## 5.6.3 Test Procedure

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

1. The EUT is coupled to the system simulator and spectrum analyzer; the RF load attached to EUT antenna terminal is 50 Ohm; the path loss as the factor is calibrated to correct the reading.
2. CMW500 is used to establish communication with the EUT, and its parameters are set to force the EUT transmitting at maximum output power.
3. The RF output of the transmitter is connected to the input of the spectrum analyzer through sufficient attenuation.
4. The center of the spectrum analyzer was set to block edge frequency.
5. Band edge are tested with 1%\*cBW (RBW), and sweep point number referred to following formula.

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

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

6. Record the frequencies and levels of spurious emissions.

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

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

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

#### 5.6.4 Test Result

Please refer to ANNEX A.6.

## 5.7 Field Strength of Spurious Radiation

### 5.7.1 Limit

FCC § 2.1053 & 22.917(a) & 24.238(a) & 27.53(a) & 27.53(c) & 27.53(f) & 27.53(g) & 27.53(h) & 27.53(m) & 90.691 & 90.543

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(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 that  $43 + 10 \log (P)$  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 § 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  $43 + 10\log_{10}(P)$  decibels or 80 decibels, whichever is the lesser attenuation, where  $f$  is the frequency removed from the center of the outer channel in the block in kilohertz and where  $f$  is greater than 37.5 kHz.

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

#### FCC § 90.543

(e) For operations in the 758–768 MHz and the 788–798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power ( $P$ ) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than  $76 + 10 \log (P)$  dB in a 6.25 kHz band segment, for base and fixed stations.

(2) On all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than  $65 + 10 \log (P)$  dB in a 6.25 kHz band segment, for mobile and portable stations.

(3) On any frequency between 775–788 MHz, above 805 MHz, and below 758 MHz, by at least  $43 + 10 \log (P)$  dB.

(4) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

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

### 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          | 32.51                             | -6.3               | -8.45              | 24.06     | 0.255   | 7.00      | Pass    |
|           | MCH          | 32.55                             | -6.3               | -8.45              | 24.10     | 0.257   | 7.00      | Pass    |
|           | HCH          | 32.56                             | -6.3               | -8.45              | 24.11     | 0.258   | 7.00      | Pass    |
| GPRS 850  | LCH          | 32.52                             | -6.3               | -8.45              | 24.07     | 0.255   | 7.00      | Pass    |
|           | MCH          | 32.59                             | -6.3               | -8.45              | 24.14     | 0.259   | 7.00      | Pass    |
|           | HCH          | 32.54                             | -6.3               | -8.45              | 24.09     | 0.256   | 7.00      | Pass    |
| EGPRS 850 | LCH          | 29.56                             | -6.3               | -8.45              | 21.11     | 0.129   | 7.00      | Pass    |
|           | MCH          | 29.71                             | -6.3               | -8.45              | 21.26     | 0.134   | 7.00      | Pass    |
|           | HCH          | 29.70                             | -6.3               | -8.45              | 21.25     | 0.133   | 7.00      | Pass    |

| Test Band  | Test Channel | Conducted Output Peak Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------|--------------|-----------------------------------|--------------------|------------|----------|-----------|---------|
| GSM 1900   | LCH          | 29.98                             | -0.7               | 29.28      | 0.847    | 2.00      | Pass    |
|            | MCH          | 29.97                             | -0.7               | 29.27      | 0.845    | 2.00      | Pass    |
|            | HCH          | 29.82                             | -0.7               | 29.12      | 0.817    | 2.00      | Pass    |
| GPRS 1900  | LCH          | 29.93                             | -0.7               | 29.23      | 0.838    | 2.00      | Pass    |
|            | MCH          | 29.93                             | -0.7               | 29.23      | 0.838    | 2.00      | Pass    |
|            | HCH          | 29.77                             | -0.7               | 29.07      | 0.807    | 2.00      | Pass    |
| EGPRS 1900 | LCH          | 28.56                             | -0.7               | 27.86      | 0.611    | 2.00      | Pass    |
|            | MCH          | 28.70                             | -0.7               | 28.00      | 0.631    | 2.00      | Pass    |
|            | HCH          | 28.27                             | -0.7               | 27.57      | 0.571    | 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 (dBm)                | 1 Slot (W) | 2 Slots (dBm) | 2 Slots (W) | 3 Slots (dBm) | 3 Slots (W) | 4 Slots (dBm) | 4 Slots (W) |
| GPRS 850  | LCH     | 32.52                       | 1.786      | 31.69         | 1.474       | 29.79         | 0.953       | 27.76         | 0.597       |
|           | MCH     | 32.59                       | 1.816      | 31.72         | 1.484       | 29.84         | 0.965       | 27.74         | 0.594       |
|           | HCH     | 32.54                       | 1.795      | 31.69         | 1.474       | 29.81         | 0.957       | 27.89         | 0.615       |
| GPRS 1900 | LCH     | 29.93                       | 0.984      | 29.15         | 0.821       | 27.22         | 0.527       | 25.16         | 0.328       |
|           | MCH     | 29.93                       | 0.984      | 29.06         | 0.804       | 27.28         | 0.535       | 25.00         | 0.316       |
|           | HCH     | 29.77                       | 0.948      | 29.05         | 0.803       | 27.08         | 0.511       | 25.08         | 0.322       |

**EGPRS Conducted Output Power**

| Band       | Channel | Conducted Output Peak Power |            |               |             |               |             |               |             |
|------------|---------|-----------------------------|------------|---------------|-------------|---------------|-------------|---------------|-------------|
|            |         | 1 Slot (dBm)                | 1 Slot (W) | 2 Slots (dBm) | 2 Slots (W) | 3 Slots (dBm) | 3 Slots (W) | 4 Slots (dBm) | 4 Slots (W) |
| EGPRS 850  | LCH     | 29.56                       | 0.904      | 28.48         | 0.704       | 26.32         | 0.428       | 25.29         | 0.338       |
|            | MCH     | 29.71                       | 0.935      | 28.35         | 0.684       | 26.21         | 0.418       | 24.90         | 0.309       |
|            | HCH     | 29.70                       | 0.933      | 28.35         | 0.683       | 26.33         | 0.430       | 25.20         | 0.331       |
| EGPRS 1900 | LCH     | 28.56                       | 0.718      | 27.60         | 0.575       | 25.30         | 0.339       | 23.92         | 0.247       |
|            | MCH     | 28.70                       | 0.741      | 27.56         | 0.570       | 26.33         | 0.429       | 24.37         | 0.274       |
|            | HCH     | 28.27                       | 0.671      | 27.36         | 0.545       | 25.47         | 0.353       | 24.14         | 0.259       |

## 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          | 22.94                           | -0.7               | 22.24      | 0.167    | 2.00      | Pass    |
|              | MCH          | 22.97                           | -0.7               | 22.27      | 0.169    | 2.00      | Pass    |
|              | HCH          | 22.95                           | -0.7               | 22.25      | 0.168    | 2.00      | Pass    |
| HSDPA Band 2 | LCH          | 21.94                           | -0.7               | 21.24      | 0.133    | 2.00      | Pass    |
|              | MCH          | 21.97                           | -0.7               | 21.27      | 0.134    | 2.00      | Pass    |
|              | HCH          | 21.92                           | -0.7               | 21.22      | 0.132    | 2.00      | Pass    |
| HSUPA Band 2 | LCH          | 20.99                           | -0.7               | 20.29      | 0.107    | 2.00      | Pass    |
|              | MCH          | 20.99                           | -0.7               | 20.29      | 0.107    | 2.00      | Pass    |
|              | HCH          | 20.96                           | -0.7               | 20.26      | 0.106    | 2.00      | Pass    |

| Test Band    | Test Channel | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------|--------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| WCDMA Band 4 | LCH          | 23.88                           | -1.5               | 22.38      | 0.173    | 1.00      | Pass    |
|              | MCH          | 23.87                           | -1.5               | 22.37      | 0.173    | 1.00      | Pass    |
|              | HCH          | 23.88                           | -1.5               | 22.38      | 0.173    | 1.00      | Pass    |
| HSDPA Band 4 | LCH          | 22.89                           | -1.5               | 21.39      | 0.138    | 1.00      | Pass    |
|              | MCH          | 22.85                           | -1.5               | 21.35      | 0.136    | 1.00      | Pass    |
|              | HCH          | 22.86                           | -1.5               | 21.36      | 0.137    | 1.00      | Pass    |
| HSUPA Band 4 | LCH          | 21.91                           | -1.5               | 20.41      | 0.110    | 1.00      | Pass    |
|              | MCH          | 21.89                           | -1.5               | 20.39      | 0.109    | 1.00      | Pass    |
|              | HCH          | 21.88                           | -1.5               | 20.38      | 0.109    | 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          | 23.95                           | -6.3               | -8.45              | 15.50     | 0.035   | 7.00      | Pass    |
|              | MCH          | 23.90                           | -6.3               | -8.45              | 15.45     | 0.035   | 7.00      | Pass    |
|              | HCH          | 23.88                           | -6.3               | -8.45              | 15.43     | 0.035   | 7.00      | Pass    |
| HSDPA Band 5 | LCH          | 22.94                           | -6.3               | -8.45              | 14.49     | 0.028   | 7.00      | Pass    |
|              | MCH          | 22.89                           | -6.3               | -8.45              | 14.44     | 0.028   | 7.00      | Pass    |
|              | HCH          | 22.88                           | -6.3               | -8.45              | 14.43     | 0.028   | 7.00      | Pass    |
| HSUPA Band 5 | LCH          | 21.94                           | -6.3               | -8.45              | 13.49     | 0.022   | 7.00      | Pass    |
|              | MCH          | 21.92                           | -6.3               | -8.45              | 13.47     | 0.022   | 7.00      | Pass    |
|              | HCH          | 21.89                           | -6.3               | -8.45              | 13.44     | 0.022   | 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

| Band            | Channel | Conducted Output Average Power |       |          |       |          |       |          |       |
|-----------------|---------|--------------------------------|-------|----------|-------|----------|-------|----------|-------|
|                 |         | Subtest1                       |       | Subtest2 |       | Subtest3 |       | Subtest4 |       |
|                 |         | (dBm)                          | (W)   | (dBm)    | (W)   | (dBm)    | (W)   | (dBm)    | (W)   |
| HSDPA<br>Band 2 | LCH     | 21.94                          | 0.156 | 21.91    | 0.155 | 21.50    | 0.141 | 21.43    | 0.139 |
|                 | MCH     | 21.97                          | 0.157 | 21.95    | 0.157 | 21.49    | 0.141 | 21.45    | 0.140 |
|                 | HCH     | 21.92                          | 0.156 | 21.89    | 0.155 | 21.45    | 0.140 | 21.42    | 0.139 |
| HSDPA<br>Band 4 | LCH     | 22.88                          | 0.194 | 22.89    | 0.195 | 22.41    | 0.174 | 22.37    | 0.173 |
|                 | MCH     | 22.85                          | 0.193 | 22.85    | 0.193 | 22.38    | 0.173 | 22.31    | 0.170 |
|                 | HCH     | 22.86                          | 0.193 | 22.86    | 0.193 | 22.38    | 0.173 | 22.37    | 0.173 |
| HSDPA<br>Band 5 | LCH     | 22.92                          | 0.196 | 22.94    | 0.197 | 22.46    | 0.176 | 22.39    | 0.173 |
|                 | MCH     | 22.89                          | 0.195 | 22.87    | 0.194 | 22.42    | 0.175 | 22.36    | 0.172 |
|                 | HCH     | 22.88                          | 0.194 | 22.87    | 0.194 | 22.37    | 0.173 | 22.36    | 0.172 |

#### HSUPA Conducted Output Power

| Band            | Channel | Conducted Output Average Power |       |          |       |          |       |          |       |          |       |
|-----------------|---------|--------------------------------|-------|----------|-------|----------|-------|----------|-------|----------|-------|
|                 |         | Subtest1                       |       | Subtest2 |       | Subtest3 |       | Subtest4 |       | Subtest5 |       |
|                 |         | (dBm)                          | (W)   | (dBm)    | (W)   | (dBm)    | (W)   | (dBm)    | (W)   | (dBm)    | (W)   |
| HSUPA<br>Band 2 | LCH     | 19.93                          | 0.098 | 19.93    | 0.098 | 20.99    | 0.126 | 19.55    | 0.090 | 20.93    | 0.124 |
|                 | MCH     | 19.94                          | 0.099 | 19.95    | 0.099 | 20.99    | 0.126 | 19.56    | 0.090 | 20.91    | 0.123 |
|                 | HCH     | 19.89                          | 0.097 | 19.92    | 0.098 | 20.96    | 0.125 | 19.52    | 0.090 | 20.87    | 0.122 |
| HSUPA<br>Band 4 | LCH     | 20.89                          | 0.123 | 20.88    | 0.122 | 21.91    | 0.155 | 20.53    | 0.113 | 21.86    | 0.153 |
|                 | MCH     | 20.84                          | 0.121 | 20.87    | 0.122 | 21.89    | 0.155 | 20.38    | 0.109 | 21.82    | 0.152 |
|                 | HCH     | 20.85                          | 0.122 | 20.83    | 0.121 | 21.88    | 0.154 | 20.39    | 0.109 | 21.83    | 0.152 |
| HSUPA<br>Band 5 | LCH     | 20.90                          | 0.123 | 20.91    | 0.123 | 21.94    | 0.156 | 20.43    | 0.110 | 21.89    | 0.155 |
|                 | MCH     | 20.89                          | 0.123 | 20.89    | 0.123 | 21.92    | 0.156 | 20.44    | 0.111 | 21.87    | 0.154 |
|                 | HCH     | 20.85                          | 0.122 | 20.85    | 0.122 | 21.89    | 0.155 | 20.39    | 0.109 | 21.82    | 0.152 |

## 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                 | 22.34                           | -0.7               | 21.64      | 0.146    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 22.32                           | -0.7               | 21.62      | 0.145    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 22.38                           | -0.7               | 21.68      | 0.147    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 22.49                           | -0.7               | 21.79      | 0.151    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 22.48                           | -0.7               | 21.78      | 0.151    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 22.49                           | -0.7               | 21.79      | 0.151    | 2.00      | Pass    |
|                  |              | RB6#0     | 21.46                 | -0.7                            | 20.76              | 0.119      | 2.00     | Pass      |         |
|                  |              | 16-QAM    | RB1#0                 | 21.59                           | -0.7               | 20.89      | 0.123    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 21.56                           | -0.7               | 20.86      | 0.122    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 21.58                           | -0.7               | 20.88      | 0.122    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 21.53                           | -0.7               | 20.83      | 0.121    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 21.51                           | -0.7               | 20.81      | 0.121    | 2.00      | Pass    |
|                  | RB3#3        |           | 21.53                 | -0.7                            | 20.83              | 0.121      | 2.00     | Pass      |         |
|                  | RB6#0        | 20.63     | -0.7                  | 19.93                           | 0.098              | 2.00       | Pass     |           |         |
|                  | MCH          | QPSK      | RB1#0                 | 22.46                           | -0.7               | 21.76      | 0.150    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 22.47                           | -0.7               | 21.77      | 0.150    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 22.49                           | -0.7               | 21.79      | 0.151    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 22.56                           | -0.7               | 21.86      | 0.153    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 22.55                           | -0.7               | 21.85      | 0.153    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 22.53                           | -0.7               | 21.83      | 0.152    | 2.00      | Pass    |
|                  |              | RB6#0     | 21.54                 | -0.7                            | 20.84              | 0.121      | 2.00     | Pass      |         |
|                  |              | 16-QAM    | RB1#0                 | 21.92                           | -0.7               | 21.22      | 0.132    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 21.88                           | -0.7               | 21.18      | 0.131    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 21.91                           | -0.7               | 21.21      | 0.132    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 21.75                           | -0.7               | 21.05      | 0.127    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 21.69                           | -0.7               | 20.99      | 0.126    | 2.00      | Pass    |
|                  | RB3#3        |           | 21.69                 | -0.7                            | 20.99              | 0.126      | 2.00     | Pass      |         |
|                  | RB6#0        | 20.43     | -0.7                  | 19.73                           | 0.094              | 2.00       | Pass     |           |         |
|                  | HCH          | QPSK      | RB1#0                 | 22.44                           | -0.7               | 21.74      | 0.149    | 2.00      | Pass    |
|                  |              |           | RB1#3                 | 22.47                           | -0.7               | 21.77      | 0.150    | 2.00      | Pass    |
|                  |              |           | RB1#5                 | 22.45                           | -0.7               | 21.75      | 0.150    | 2.00      | Pass    |
|                  |              |           | RB3#0                 | 22.58                           | -0.7               | 21.88      | 0.154    | 2.00      | Pass    |
|                  |              |           | RB3#2                 | 22.6                            | -0.7               | 21.90      | 0.155    | 2.00      | Pass    |
|                  |              |           | RB3#3                 | 22.59                           | -0.7               | 21.89      | 0.155    | 2.00      | Pass    |
|                  |              | RB6#0     | 21.55                 | -0.7                            | 20.85              | 0.122      | 2.00     | Pass      |         |
|                  |              | 16-QAM    | RB1#0                 | 21.51                           | -0.7               | 20.81      | 0.121    | 2.00      | Pass    |
| RB1#3            |              |           | 21.52                 | -0.7                            | 20.82              | 0.121      | 2.00     | Pass      |         |
| RB1#5            |              |           | 21.54                 | -0.7                            | 20.84              | 0.121      | 2.00     | Pass      |         |
| RB3#0            |              |           | 21.71                 | -0.7                            | 21.01              | 0.126      | 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            |              |           | RB3#2                 | 21.71                           | -0.7               | 21.01      | 0.126    | 2.00      | Pass    |      |
|                  |              |           | RB3#3                 | 21.72                           | -0.7               | 21.02      | 0.126    | 2.00      | Pass    |      |
|                  |              |           | RB6#0                 | 20.7                            | -0.7               | 20.00      | 0.100    | 2.00      | Pass    |      |
|                  | LCH          | QPSK      | RB1#0                 | 22.55                           | -0.7               | 21.85      | 0.153    | 2.00      | Pass    |      |
|                  |              |           | RB1#7                 | 22.49                           | -0.7               | 21.79      | 0.151    | 2.00      | Pass    |      |
|                  |              |           | RB1#14                | 22.52                           | -0.7               | 21.82      | 0.152    | 2.00      | Pass    |      |
|                  |              |           | RB8#0                 | 21.51                           | -0.7               | 20.81      | 0.121    | 2.00      | Pass    |      |
|                  |              |           | RB8#4                 | 21.51                           | -0.7               | 20.81      | 0.121    | 2.00      | Pass    |      |
|                  |              |           | RB8#7                 | 21.48                           | -0.7               | 20.78      | 0.120    | 2.00      | Pass    |      |
|                  |              | RB15#0    | 21.52                 | -0.7                            | 20.82              | 0.121      | 2.00     | Pass      |         |      |
|                  |              | 16-QAM    | RB1#0                 | 21.48                           | -0.7               | 20.78      | 0.120    | 2.00      | Pass    |      |
|                  |              |           | RB1#7                 | 21.46                           | -0.7               | 20.76      | 0.119    | 2.00      | Pass    |      |
|                  |              |           | RB1#14                | 21.44                           | -0.7               | 20.74      | 0.119    | 2.00      | Pass    |      |
|                  |              |           | RB8#0                 | 20.67                           | -0.7               | 19.97      | 0.099    | 2.00      | Pass    |      |
|                  |              |           | RB8#4                 | 20.63                           | -0.7               | 19.93      | 0.098    | 2.00      | Pass    |      |
|                  |              |           | RB8#7                 | 20.62                           | -0.7               | 19.92      | 0.098    | 2.00      | Pass    |      |
|                  |              | RB15#0    | 20.53                 | -0.7                            | 19.83              | 0.096      | 2.00     | Pass      |         |      |
|                  |              | MCH       | QPSK                  | RB1#0                           | 22.57              | -0.7       | 21.87    | 0.154     | 2.00    | Pass |
|                  |              |           |                       | RB1#7                           | 22.55              | -0.7       | 21.85    | 0.153     | 2.00    | Pass |
|                  |              |           |                       | RB1#14                          | 22.51              | -0.7       | 21.81    | 0.152     | 2.00    | Pass |
|                  |              |           |                       | RB8#0                           | 21.6               | -0.7       | 20.90    | 0.123     | 2.00    | Pass |
|                  | RB8#4        |           |                       | 21.53                           | -0.7               | 20.83      | 0.121    | 2.00      | Pass    |      |
|                  | RB8#7        |           |                       | 21.55                           | -0.7               | 20.85      | 0.122    | 2.00      | Pass    |      |
|                  | RB15#0       |           | 21.55                 | -0.7                            | 20.85              | 0.122      | 2.00     | Pass      |         |      |
|                  | 16-QAM       |           | RB1#0                 | 22                              | -0.7               | 21.30      | 0.135    | 2.00      | Pass    |      |
|                  |              |           | RB1#7                 | 21.96                           | -0.7               | 21.26      | 0.134    | 2.00      | Pass    |      |
|                  |              |           | RB1#14                | 21.95                           | -0.7               | 21.25      | 0.133    | 2.00      | Pass    |      |
|                  |              |           | RB8#0                 | 20.7                            | -0.7               | 20.00      | 0.100    | 2.00      | Pass    |      |
|                  |              |           | RB8#4                 | 20.62                           | -0.7               | 19.92      | 0.098    | 2.00      | Pass    |      |
|                  |              | RB8#7     | 20.63                 | -0.7                            | 19.93              | 0.098      | 2.00     | Pass      |         |      |
| RB15#0           | 20.6         | -0.7      | 19.90                 | 0.098                           | 2.00               | Pass       |          |           |         |      |
| HCH              | QPSK         | RB1#0     | 22.49                 | -0.7                            | 21.79              | 0.151      | 2.00     | Pass      |         |      |
|                  |              | RB1#7     | 22.52                 | -0.7                            | 21.82              | 0.152      | 2.00     | Pass      |         |      |
|                  |              | RB1#14    | 22.52                 | -0.7                            | 21.82              | 0.152      | 2.00     | Pass      |         |      |
|                  |              | RB8#0     | 21.61                 | -0.7                            | 20.91              | 0.123      | 2.00     | Pass      |         |      |
|                  |              | RB8#4     | 21.59                 | -0.7                            | 20.89              | 0.123      | 2.00     | Pass      |         |      |
|                  |              | RB8#7     | 21.56                 | -0.7                            | 20.86              | 0.122      | 2.00     | Pass      |         |      |
|                  | RB15#0       | 21.57     | -0.7                  | 20.87                           | 0.122              | 2.00       | Pass     |           |         |      |
|                  | 16-QAM       | RB1#0     | 21.61                 | -0.7                            | 20.91              | 0.123      | 2.00     | Pass      |         |      |
| RB1#7            | 21.54        | -0.7      | 20.84                 | 0.121                           | 2.00               | Pass       |          |           |         |      |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |
| 5 MHz            |              |           | RB1#14                | 21.55                           | -0.7               | 20.85      | 0.122    | 2.00      | Pass    |
|                  |              |           | RB8#0                 | 20.65                           | -0.7               | 19.95      | 0.099    | 2.00      | Pass    |
|                  |              |           | RB8#4                 | 20.67                           | -0.7               | 19.97      | 0.099    | 2.00      | Pass    |
|                  |              |           | RB8#7                 | 20.61                           | -0.7               | 19.91      | 0.098    | 2.00      | Pass    |
|                  |              |           | RB15#0                | 20.56                           | -0.7               | 19.86      | 0.097    | 2.00      | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 22.72                           | -0.7               | 22.02      | 0.159    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 22.73                           | -0.7               | 22.03      | 0.160    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 22.76                           | -0.7               | 22.06      | 0.161    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 21.59                           | -0.7               | 20.89      | 0.123    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 21.57                           | -0.7               | 20.87      | 0.122    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 21.56                           | -0.7               | 20.86      | 0.122    | 2.00      | Pass    |
|                  |              | RB25#0    | 21.59                 | -0.7                            | 20.89              | 0.123      | 2.00     | Pass      |         |
|                  |              | 16-QAM    | RB1#0                 | 21.86                           | -0.7               | 21.16      | 0.131    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 21.86                           | -0.7               | 21.16      | 0.131    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 21.86                           | -0.7               | 21.16      | 0.131    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 20.68                           | -0.7               | 19.98      | 0.100    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 20.62                           | -0.7               | 19.92      | 0.098    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 20.63                           | -0.7               | 19.93      | 0.098    | 2.00      | Pass    |
|                  | RB25#0       | 20.62     | -0.7                  | 19.92                           | 0.098              | 2.00       | Pass     |           |         |
|                  | MCH          | QPSK      | RB1#0                 | 22.63                           | -0.7               | 21.93      | 0.156    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 22.62                           | -0.7               | 21.92      | 0.156    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 22.64                           | -0.7               | 21.94      | 0.156    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 21.66                           | -0.7               | 20.96      | 0.125    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 21.6                            | -0.7               | 20.90      | 0.123    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 21.61                           | -0.7               | 20.91      | 0.123    | 2.00      | Pass    |
|                  |              | RB25#0    | 21.65                 | -0.7                            | 20.95              | 0.124      | 2.00     | Pass      |         |
|                  |              | 16-QAM    | RB1#0                 | 22.2                            | -0.7               | 21.50      | 0.141    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 22.22                           | -0.7               | 21.52      | 0.142    | 2.00      | Pass    |
| RB1#24           |              |           | 22.18                 | -0.7                            | 21.48              | 0.141      | 2.00     | Pass      |         |
| RB12#0           |              |           | 20.81                 | -0.7                            | 20.11              | 0.103      | 2.00     | Pass      |         |
| RB12#6           |              |           | 20.74                 | -0.7                            | 20.04              | 0.101      | 2.00     | Pass      |         |
| RB12#13          |              |           | 20.75                 | -0.7                            | 20.05              | 0.101      | 2.00     | Pass      |         |
| RB25#0           | 20.73        | -0.7      | 20.03                 | 0.101                           | 2.00               | Pass       |          |           |         |
| HCH              | QPSK         | RB1#0     | 22.64                 | -0.7                            | 21.94              | 0.156      | 2.00     | Pass      |         |
|                  |              | RB1#13    | 22.66                 | -0.7                            | 21.96              | 0.157      | 2.00     | Pass      |         |
|                  |              | RB1#24    | 22.67                 | -0.7                            | 21.97              | 0.157      | 2.00     | Pass      |         |
|                  |              | RB12#0    | 21.67                 | -0.7                            | 20.97              | 0.125      | 2.00     | Pass      |         |
|                  |              | RB12#6    | 21.63                 | -0.7                            | 20.93              | 0.124      | 2.00     | Pass      |         |
|                  |              | RB12#13   | 21.6                  | -0.7                            | 20.90              | 0.123      | 2.00     | Pass      |         |
| RB25#0           | 21.65        | -0.7      | 20.95                 | 0.124                           | 2.00               | Pass       |          |           |         |



| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |
| 10 MHz           |              | 16-QAM    | RB1#0                 | 21.68                           | -0.7               | 20.98      | 0.125    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 21.67                           | -0.7               | 20.97      | 0.125    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 21.62                           | -0.7               | 20.92      | 0.124    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 20.71                           | -0.7               | 20.01      | 0.100    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 20.67                           | -0.7               | 19.97      | 0.099    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 20.65                           | -0.7               | 19.95      | 0.099    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.63                           | -0.7               | 19.93      | 0.098    | 2.00      | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 22.64                           | -0.7               | 21.94      | 0.156    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 22.69                           | -0.7               | 21.99      | 0.158    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 22.65                           | -0.7               | 21.95      | 0.157    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 21.64                           | -0.7               | 20.94      | 0.124    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 21.65                           | -0.7               | 20.95      | 0.124    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 21.7                            | -0.7               | 21.00      | 0.126    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 21.7                            | -0.7               | 21.00      | 0.126    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 21.56                           | -0.7               | 20.86      | 0.122    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 21.57                           | -0.7               | 20.87      | 0.122    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 21.53                           | -0.7               | 20.83      | 0.121    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.7                            | -0.7               | 20.00      | 0.100    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 20.71                           | -0.7               | 20.01      | 0.100    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 20.71                           | -0.7               | 20.01      | 0.100    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.67                           | -0.7               | 19.97      | 0.099    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 22.71                           | -0.7               | 22.01      | 0.159    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 22.67                           | -0.7               | 21.97      | 0.157    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 22.59                           | -0.7               | 21.89      | 0.155    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 21.69                           | -0.7               | 20.99      | 0.126    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 21.69                           | -0.7               | 20.99      | 0.126    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 21.63                           | -0.7               | 20.93      | 0.124    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 21.68                           | -0.7               | 20.98      | 0.125    | 2.00      | Pass    |
| 16-QAM           |              | RB1#0     | 22.05                 | -0.7                            | 21.35              | 0.136      | 2.00     | Pass      |         |
|                  |              | RB1#25    | 22.02                 | -0.7                            | 21.32              | 0.136      | 2.00     | Pass      |         |
|                  |              | RB1#49    | 21.97                 | -0.7                            | 21.27              | 0.134      | 2.00     | Pass      |         |
|                  |              | RB25#0    | 20.76                 | -0.7                            | 20.06              | 0.101      | 2.00     | Pass      |         |
|                  |              | RB25#13   | 20.72                 | -0.7                            | 20.02              | 0.100      | 2.00     | Pass      |         |
|                  |              | RB25#25   | 20.7                  | -0.7                            | 20.00              | 0.100      | 2.00     | Pass      |         |
|                  |              | RB50#0    | 20.67                 | -0.7                            | 19.97              | 0.099      | 2.00     | Pass      |         |
| HCH              | QPSK         | RB1#0     | 22.5                  | -0.7                            | 21.80              | 0.151      | 2.00     | Pass      |         |
|                  |              | RB1#25    | 22.57                 | -0.7                            | 21.87              | 0.154      | 2.00     | Pass      |         |
|                  |              | RB1#49    | 22.54                 | -0.7                            | 21.84              | 0.153      | 2.00     | Pass      |         |
|                  |              | RB25#0    | 21.65                 | -0.7                            | 20.95              | 0.124      | 2.00     | Pass      |         |
|                  |              | RB25#13   | 21.62                 | -0.7                            | 20.92              | 0.124      | 2.00     | Pass      |         |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              | 16-QAM    | RB25#25               | 21.6                            | -0.7               | 20.90      | 0.123    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 21.68                           | -0.7               | 20.98      | 0.125    | 2.00      | Pass    |
|                  |              |           | RB1#0                 | 21.56                           | -0.7               | 20.86      | 0.122    | 2.00      | Pass    |
|                  |              |           | RB1#25                | 21.59                           | -0.7               | 20.89      | 0.123    | 2.00      | Pass    |
|                  |              |           | RB1#49                | 21.53                           | -0.7               | 20.83      | 0.121    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 20.77                           | -0.7               | 20.07      | 0.102    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 20.71                           | -0.7               | 20.01      | 0.100    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 20.7                            | -0.7               | 20.00      | 0.100    | 2.00      | Pass    |
| 15 MHz           | LCH          | QPSK      | RB1#0                 | 22.62                           | -0.7               | 21.92      | 0.156    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 22.71                           | -0.7               | 22.01      | 0.159    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 22.64                           | -0.7               | 21.94      | 0.156    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 21.62                           | -0.7               | 20.92      | 0.124    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 21.67                           | -0.7               | 20.97      | 0.125    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 21.67                           | -0.7               | 20.97      | 0.125    | 2.00      | Pass    |
|                  |              | RB75#0    | 21.68                 | -0.7                            | 20.98              | 0.125      | 2.00     | Pass      |         |
|                  |              | 16-QAM    | RB1#0                 | 21.57                           | -0.7               | 20.87      | 0.122    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 21.61                           | -0.7               | 20.91      | 0.123    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 21.5                            | -0.7               | 20.80      | 0.120    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 20.64                           | -0.7               | 19.94      | 0.099    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 20.67                           | -0.7               | 19.97      | 0.099    | 2.00      | Pass    |
|                  | RB36#39      |           | 20.69                 | -0.7                            | 19.99              | 0.100      | 2.00     | Pass      |         |
|                  | MCH          | QPSK      | RB1#0                 | 22.71                           | -0.7               | 22.01      | 0.159    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 22.68                           | -0.7               | 21.98      | 0.158    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 22.59                           | -0.7               | 21.89      | 0.155    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 21.73                           | -0.7               | 21.03      | 0.127    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 21.67                           | -0.7               | 20.97      | 0.125    | 2.00      | Pass    |
| RB36#39          |              |           | 21.63                 | -0.7                            | 20.93              | 0.124      | 2.00     | Pass      |         |
| RB75#0           |              | 21.67     | -0.7                  | 20.97                           | 0.125              | 2.00       | Pass     |           |         |
| 16-QAM           |              | RB1#0     | 22.13                 | -0.7                            | 21.43              | 0.139      | 2.00     | Pass      |         |
|                  |              | RB1#38    | 22.05                 | -0.7                            | 21.35              | 0.136      | 2.00     | Pass      |         |
|                  |              | RB1#74    | 21.95                 | -0.7                            | 21.25              | 0.133      | 2.00     | Pass      |         |
|                  |              | RB36#0    | 20.79                 | -0.7                            | 20.09              | 0.102      | 2.00     | Pass      |         |
|                  |              | RB36#19   | 20.77                 | -0.7                            | 20.07              | 0.102      | 2.00     | Pass      |         |
|                  | RB36#39      | 20.71     | -0.7                  | 20.01                           | 0.100              | 2.00       | Pass     |           |         |
| HCH              | QPSK         | RB75#0    | 20.69                 | -0.7                            | 19.99              | 0.100      | 2.00     | Pass      |         |
|                  |              | RB1#0     | 22.5                  | -0.7                            | 21.80              | 0.151      | 2.00     | Pass      |         |
|                  |              | RB1#38    | 22.51                 | -0.7                            | 21.81              | 0.152      | 2.00     | Pass      |         |
|                  |              |           | RB1#74                | 22.46                           | -0.7               | 21.76      | 0.150    | 2.00      | Pass    |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |       |      |      |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|-------|------|------|
| <b>LTE BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |       |      |      |
|                  |              |           | RB36#0                | 21.73                           | -0.7               | 21.03      | 0.127    | 2.00      | Pass    |       |      |      |
|                  |              |           | RB36#19               | 21.59                           | -0.7               | 20.89      | 0.123    | 2.00      | Pass    |       |      |      |
|                  |              |           | RB36#39               | 21.59                           | -0.7               | 20.89      | 0.123    | 2.00      | Pass    |       |      |      |
|                  |              |           | RB75#0                | 21.68                           | -0.7               | 20.98      | 0.125    | 2.00      | Pass    |       |      |      |
|                  |              | 16-QAM    | RB1#0                 | 22.02                           | -0.7               | 21.32      | 0.136    | 2.00      | Pass    |       |      |      |
|                  |              |           | RB1#38                | 21.94                           | -0.7               | 21.24      | 0.133    | 2.00      | Pass    |       |      |      |
|                  |              |           | RB1#74                | 21.85                           | -0.7               | 21.15      | 0.130    | 2.00      | Pass    |       |      |      |
|                  |              |           | RB36#0                | 20.71                           | -0.7               | 20.01      | 0.100    | 2.00      | Pass    |       |      |      |
|                  |              |           | RB36#19               | 20.61                           | -0.7               | 19.91      | 0.098    | 2.00      | Pass    |       |      |      |
|                  |              |           | RB36#39               | 20.59                           | -0.7               | 19.89      | 0.097    | 2.00      | Pass    |       |      |      |
|                  |              |           | RB75#0                | 20.66                           | -0.7               | 19.96      | 0.099    | 2.00      | Pass    |       |      |      |
|                  |              |           | 20 MHz                | LCH                             | QPSK               | RB1#0      | 22.59    | -0.7      | 21.89   | 0.155 | 2.00 | Pass |
|                  |              |           |                       |                                 |                    | RB1#50     | 22.71    | -0.7      | 22.01   | 0.159 | 2.00 | Pass |
|                  |              |           |                       |                                 |                    | RB1#99     | 22.61    | -0.7      | 21.91   | 0.155 | 2.00 | Pass |
|                  |              | RB50#0    |                       |                                 |                    | 21.68      | -0.7     | 20.98     | 0.125   | 2.00  | Pass |      |
|                  |              | RB50#25   |                       |                                 |                    | 21.79      | -0.7     | 21.09     | 0.129   | 2.00  | Pass |      |
|                  |              | RB50#50   |                       |                                 |                    | 21.77      | -0.7     | 21.07     | 0.128   | 2.00  | Pass |      |
|                  |              | 16-QAM    |                       |                                 | RB100#0            | 21.72      | -0.7     | 21.02     | 0.126   | 2.00  | Pass |      |
| RB1#0            | 22.21        |           |                       |                                 | -0.7               | 21.51      | 0.142    | 2.00      | Pass    |       |      |      |
| RB1#50           | 22.29        |           |                       |                                 | -0.7               | 21.59      | 0.144    | 2.00      | Pass    |       |      |      |
| RB1#99           | 22.2         |           |                       |                                 | -0.7               | 21.50      | 0.141    | 2.00      | Pass    |       |      |      |
| RB50#0           | 20.69        |           |                       |                                 | -0.7               | 19.99      | 0.100    | 2.00      | Pass    |       |      |      |
| RB50#25          | 20.78        |           |                       |                                 | -0.7               | 20.08      | 0.102    | 2.00      | Pass    |       |      |      |
| MCH              | QPSK         | RB50#50   | 20.77                 | -0.7                            | 20.07              | 0.102      | 2.00     | Pass      |         |       |      |      |
|                  |              | RB100#0   | 20.77                 | -0.7                            | 20.07              | 0.102      | 2.00     | Pass      |         |       |      |      |
|                  |              | RB1#0     | 22.77                 | -0.7                            | 22.07              | 0.161      | 2.00     | Pass      |         |       |      |      |
|                  |              | RB1#50    | 22.74                 | -0.7                            | 22.04              | 0.160      | 2.00     | Pass      |         |       |      |      |
|                  |              | RB1#99    | 22.61                 | -0.7                            | 21.91              | 0.155      | 2.00     | Pass      |         |       |      |      |
|                  |              | RB50#0    | 21.78                 | -0.7                            | 21.08              | 0.128      | 2.00     | Pass      |         |       |      |      |
|                  | 16-QAM       | RB50#25   | 21.74                 | -0.7                            | 21.04              | 0.127      | 2.00     | Pass      |         |       |      |      |
|                  |              | RB50#50   | 21.72                 | -0.7                            | 21.02              | 0.126      | 2.00     | Pass      |         |       |      |      |
|                  |              | RB100#0   | 21.7                  | -0.7                            | 21.00              | 0.126      | 2.00     | Pass      |         |       |      |      |
|                  |              | RB1#0     | 22.16                 | -0.7                            | 21.46              | 0.140      | 2.00     | Pass      |         |       |      |      |
|                  |              | RB1#50    | 22.12                 | -0.7                            | 21.42              | 0.139      | 2.00     | Pass      |         |       |      |      |
|                  |              | RB1#99    | 21.95                 | -0.7                            | 21.25              | 0.133      | 2.00     | Pass      |         |       |      |      |
| HCH              | QPSK         | RB50#0    | 20.77                 | -0.7                            | 20.07              | 0.102      | 2.00     | Pass      |         |       |      |      |
|                  |              | RB50#25   | 20.74                 | -0.7                            | 20.04              | 0.101      | 2.00     | Pass      |         |       |      |      |
|                  |              |           | RB50#50               | 20.74                           | -0.7               | 20.04      | 0.101    | 2.00      | Pass    |       |      |      |
|                  |              |           | RB100#0               | 20.69                           | -0.7               | 19.99      | 0.100    | 2.00      | Pass    |       |      |      |
|                  |              |           | RB1#0                 | 22.54                           | -0.7               | 21.84      | 0.153    | 2.00      | Pass    |       |      |      |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND2</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB1#50                | 22.58                           | -0.7               | 21.88      | 0.154    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 22.49                           | -0.7               | 21.79      | 0.151    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 21.81                           | -0.7               | 21.11      | 0.129    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 21.7                            | -0.7               | 21.00      | 0.126    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 21.59                           | -0.7               | 20.89      | 0.123    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 21.71                           | -0.7               | 21.01      | 0.126    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 22.06                           | -0.7               | 21.36      | 0.137    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 22.07                           | -0.7               | 21.37      | 0.137    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 21.99                           | -0.7               | 21.29      | 0.135    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 20.76                           | -0.7               | 20.06      | 0.101    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 20.66                           | -0.7               | 19.96      | 0.099    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 20.55                           | -0.7               | 19.85      | 0.097    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 20.7                            | -0.7               | 20.00      | 0.100    | 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                 | 23.36                           | -1.5               | 21.86      | 0.153    | 1.00      | Pass    |
|                  |              |           | RB1#3                 | 23.38                           | -1.5               | 21.88      | 0.154    | 1.00      | Pass    |
|                  |              |           | RB1#5                 | 23.38                           | -1.5               | 21.88      | 0.154    | 1.00      | Pass    |
|                  |              |           | RB3#0                 | 23.53                           | -1.5               | 22.03      | 0.160    | 1.00      | Pass    |
|                  |              |           | RB3#2                 | 23.56                           | -1.5               | 22.06      | 0.161    | 1.00      | Pass    |
|                  |              |           | RB3#3                 | 23.54                           | -1.5               | 22.04      | 0.160    | 1.00      | Pass    |
|                  |              | RB6#0     | 22.55                 | -1.5                            | 21.05              | 0.127      | 1.00     | Pass      |         |
|                  |              | 16-QAM    | RB1#0                 | 22.59                           | -1.5               | 21.09      | 0.129    | 1.00      | Pass    |
|                  |              |           | RB1#3                 | 22.59                           | -1.5               | 21.09      | 0.129    | 1.00      | Pass    |
|                  |              |           | RB1#5                 | 22.6                            | -1.5               | 21.10      | 0.129    | 1.00      | Pass    |
|                  |              |           | RB3#0                 | 22.56                           | -1.5               | 21.06      | 0.128    | 1.00      | Pass    |
|                  |              |           | RB3#2                 | 22.55                           | -1.5               | 21.05      | 0.127    | 1.00      | Pass    |
|                  | RB3#3        |           | 22.58                 | -1.5                            | 21.08              | 0.128      | 1.00     | Pass      |         |
|                  | RB6#0        | 21.69     | -1.5                  | 20.19                           | 0.104              | 1.00       | Pass     |           |         |
|                  | MCH          | QPSK      | RB1#0                 | 23.42                           | -1.5               | 21.92      | 0.156    | 1.00      | Pass    |
|                  |              |           | RB1#3                 | 23.43                           | -1.5               | 21.93      | 0.156    | 1.00      | Pass    |
|                  |              |           | RB1#5                 | 23.45                           | -1.5               | 21.95      | 0.157    | 1.00      | Pass    |
|                  |              |           | RB3#0                 | 23.54                           | -1.5               | 22.04      | 0.160    | 1.00      | Pass    |
|                  |              |           | RB3#2                 | 23.53                           | -1.5               | 22.03      | 0.160    | 1.00      | Pass    |
|                  |              |           | RB3#3                 | 23.48                           | -1.5               | 21.98      | 0.158    | 1.00      | Pass    |
|                  |              | RB6#0     | 22.57                 | -1.5                            | 21.07              | 0.128      | 1.00     | Pass      |         |
|                  |              | 16-QAM    | RB1#0                 | 22.9                            | -1.5               | 21.40      | 0.138    | 1.00      | Pass    |
|                  |              |           | RB1#3                 | 22.88                           | -1.5               | 21.38      | 0.137    | 1.00      | Pass    |
|                  |              |           | RB1#5                 | 22.9                            | -1.5               | 21.40      | 0.138    | 1.00      | Pass    |
|                  |              |           | RB3#0                 | 22.75                           | -1.5               | 21.25      | 0.133    | 1.00      | Pass    |
|                  |              |           | RB3#2                 | 22.7                            | -1.5               | 21.20      | 0.132    | 1.00      | Pass    |
|                  | RB3#3        |           | 22.69                 | -1.5                            | 21.19              | 0.132      | 1.00     | Pass      |         |
|                  | RB6#0        | 21.42     | -1.5                  | 19.92                           | 0.098              | 1.00       | Pass     |           |         |
|                  | HCH          | QPSK      | RB1#0                 | 23.48                           | -1.5               | 21.98      | 0.158    | 1.00      | Pass    |
|                  |              |           | RB1#3                 | 23.54                           | -1.5               | 22.04      | 0.160    | 1.00      | Pass    |
|                  |              |           | RB1#5                 | 23.52                           | -1.5               | 22.02      | 0.159    | 1.00      | Pass    |
|                  |              |           | RB3#0                 | 23.64                           | -1.5               | 22.14      | 0.164    | 1.00      | Pass    |
|                  |              |           | RB3#2                 | 23.67                           | -1.5               | 22.17      | 0.165    | 1.00      | Pass    |
|                  |              |           | RB3#3                 | 23.65                           | -1.5               | 22.15      | 0.164    | 1.00      | Pass    |
|                  |              | RB6#0     | 22.61                 | -1.5                            | 21.11              | 0.129      | 1.00     | Pass      |         |
|                  |              | 16-QAM    | RB1#0                 | 22.57                           | -1.5               | 21.07      | 0.128    | 1.00      | Pass    |
| RB1#3            |              |           | 22.56                 | -1.5                            | 21.06              | 0.128      | 1.00     | Pass      |         |
| RB1#5            |              |           | 22.58                 | -1.5                            | 21.08              | 0.128      | 1.00     | Pass      |         |
| RB3#0            |              |           | 22.76                 | -1.5                            | 21.26              | 0.134      | 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 BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |      |
| 3 MHz            |              |           | RB3#2                 | 22.75                           | -1.5               | 21.25      | 0.133    | 1.00      | Pass    |      |
|                  |              |           | RB3#3                 | 22.76                           | -1.5               | 21.26      | 0.134    | 1.00      | Pass    |      |
|                  |              |           | RB6#0                 | 21.77                           | -1.5               | 20.27      | 0.106    | 1.00      | Pass    |      |
|                  | LCH          | QPSK      | RB1#0                 | 23.64                           | -1.5               | 22.14      | 0.164    | 1.00      | Pass    |      |
|                  |              |           | RB1#7                 | 23.54                           | -1.5               | 22.04      | 0.160    | 1.00      | Pass    |      |
|                  |              |           | RB1#14                | 23.55                           | -1.5               | 22.05      | 0.160    | 1.00      | Pass    |      |
|                  |              |           | RB8#0                 | 22.5                            | -1.5               | 21.00      | 0.126    | 1.00      | Pass    |      |
|                  |              |           | RB8#4                 | 22.51                           | -1.5               | 21.01      | 0.126    | 1.00      | Pass    |      |
|                  |              |           | RB8#7                 | 22.49                           | -1.5               | 20.99      | 0.126    | 1.00      | Pass    |      |
|                  |              | 16-QAM    | RB15#0                | 22.49                           | -1.5               | 20.99      | 0.126    | 1.00      | Pass    |      |
|                  |              |           | RB1#0                 | 22.49                           | -1.5               | 20.99      | 0.126    | 1.00      | Pass    |      |
|                  |              |           | RB1#7                 | 22.43                           | -1.5               | 20.93      | 0.124    | 1.00      | Pass    |      |
|                  |              |           | RB1#14                | 22.39                           | -1.5               | 20.89      | 0.123    | 1.00      | Pass    |      |
|                  |              |           | RB8#0                 | 21.63                           | -1.5               | 20.13      | 0.103    | 1.00      | Pass    |      |
|                  |              |           | RB8#4                 | 21.62                           | -1.5               | 20.12      | 0.103    | 1.00      | Pass    |      |
|                  |              | MCH       | QPSK                  | RB8#7                           | 21.62              | -1.5       | 20.12    | 0.103     | 1.00    | Pass |
|                  |              |           |                       | RB15#0                          | 21.57              | -1.5       | 20.07    | 0.102     | 1.00    | Pass |
|                  |              |           |                       | RB1#0                           | 23.48              | -1.5       | 21.98    | 0.158     | 1.00    | Pass |
|                  |              |           |                       | RB1#7                           | 23.48              | -1.5       | 21.98    | 0.158     | 1.00    | Pass |
|                  |              |           |                       | RB1#14                          | 23.46              | -1.5       | 21.96    | 0.157     | 1.00    | Pass |
|                  |              |           |                       | RB8#0                           | 22.55              | -1.5       | 21.05    | 0.127     | 1.00    | Pass |
|                  | 16-QAM       |           | RB8#4                 | 22.52                           | -1.5               | 21.02      | 0.126    | 1.00      | Pass    |      |
|                  |              |           | RB8#7                 | 22.5                            | -1.5               | 21.00      | 0.126    | 1.00      | Pass    |      |
|                  |              |           | RB15#0                | 22.53                           | -1.5               | 21.03      | 0.127    | 1.00      | Pass    |      |
|                  |              |           | RB1#0                 | 22.92                           | -1.5               | 21.42      | 0.139    | 1.00      | Pass    |      |
|                  |              |           | RB1#7                 | 22.92                           | -1.5               | 21.42      | 0.139    | 1.00      | Pass    |      |
|                  |              |           | RB1#14                | 22.93                           | -1.5               | 21.43      | 0.139    | 1.00      | Pass    |      |
|                  | HCH          | QPSK      | RB8#0                 | 21.66                           | -1.5               | 20.16      | 0.104    | 1.00      | Pass    |      |
|                  |              |           | RB8#4                 | 21.63                           | -1.5               | 20.13      | 0.103    | 1.00      | Pass    |      |
|                  |              |           | RB8#7                 | 21.62                           | -1.5               | 20.12      | 0.103    | 1.00      | Pass    |      |
| RB15#0           |              |           | 21.58                 | -1.5                            | 20.08              | 0.102      | 1.00     | Pass      |         |      |
| RB1#0            |              |           | 23.54                 | -1.5                            | 22.04              | 0.160      | 1.00     | Pass      |         |      |
| RB1#7            |              |           | 23.55                 | -1.5                            | 22.05              | 0.160      | 1.00     | Pass      |         |      |
| 16-QAM           |              | RB1#14    | 23.55                 | -1.5                            | 22.05              | 0.160      | 1.00     | Pass      |         |      |
|                  |              | RB8#0     | 22.65                 | -1.5                            | 21.15              | 0.130      | 1.00     | Pass      |         |      |
|                  |              | RB8#4     | 22.63                 | -1.5                            | 21.13              | 0.130      | 1.00     | Pass      |         |      |
|                  |              | RB8#7     | 22.61                 | -1.5                            | 21.11              | 0.129      | 1.00     | Pass      |         |      |
|                  |              | RB15#0    | 22.64                 | -1.5                            | 21.14              | 0.130      | 1.00     | Pass      |         |      |
|                  |              | RB1#0     | 22.58                 | -1.5                            | 21.08              | 0.128      | 1.00     | Pass      |         |      |
|                  |              | RB1#7     | 22.57                 | -1.5                            | 21.07              | 0.128      | 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 BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |      |
| 5 MHz            |              |           | RB1#14                | 22.56                           | -1.5               | 21.06      | 0.128    | 1.00      | Pass    |      |
|                  |              |           | RB8#0                 | 21.65                           | -1.5               | 20.15      | 0.104    | 1.00      | Pass    |      |
|                  |              |           | RB8#4                 | 21.69                           | -1.5               | 20.19      | 0.104    | 1.00      | Pass    |      |
|                  |              |           | RB8#7                 | 21.65                           | -1.5               | 20.15      | 0.104    | 1.00      | Pass    |      |
|                  |              |           | RB15#0                | 21.6                            | -1.5               | 20.10      | 0.102    | 1.00      | Pass    |      |
|                  | LCH          | QPSK      | RB1#0                 | 23.82                           | -1.5               | 22.32      | 0.171    | 1.00      | Pass    |      |
|                  |              |           | RB1#13                | 23.8                            | -1.5               | 22.30      | 0.170    | 1.00      | Pass    |      |
|                  |              |           | RB1#24                | 23.76                           | -1.5               | 22.26      | 0.168    | 1.00      | Pass    |      |
|                  |              |           | RB12#0                | 22.58                           | -1.5               | 21.08      | 0.128    | 1.00      | Pass    |      |
|                  |              |           | RB12#6                | 22.57                           | -1.5               | 21.07      | 0.128    | 1.00      | Pass    |      |
|                  |              |           | RB12#13               | 22.58                           | -1.5               | 21.08      | 0.128    | 1.00      | Pass    |      |
|                  |              | RB25#0    | 22.54                 | -1.5                            | 21.04              | 0.127      | 1.00     | Pass      |         |      |
|                  |              | 16-QAM    | RB1#0                 | 22.98                           | -1.5               | 21.48      | 0.141    | 1.00      | Pass    |      |
|                  |              |           | RB1#13                | 22.87                           | -1.5               | 21.37      | 0.137    | 1.00      | Pass    |      |
|                  |              |           | RB1#24                | 22.87                           | -1.5               | 21.37      | 0.137    | 1.00      | Pass    |      |
|                  |              |           | RB12#0                | 21.62                           | -1.5               | 20.12      | 0.103    | 1.00      | Pass    |      |
|                  |              |           | RB12#6                | 21.61                           | -1.5               | 20.11      | 0.103    | 1.00      | Pass    |      |
|                  |              |           | RB12#13               | 21.64                           | -1.5               | 20.14      | 0.103    | 1.00      | Pass    |      |
|                  |              | RB25#0    | 21.64                 | -1.5                            | 20.14              | 0.103      | 1.00     | Pass      |         |      |
|                  |              | MCH       | QPSK                  | RB1#0                           | 23.57              | -1.5       | 22.07    | 0.161     | 1.00    | Pass |
|                  |              |           |                       | RB1#13                          | 23.55              | -1.5       | 22.05    | 0.160     | 1.00    | Pass |
|                  |              |           |                       | RB1#24                          | 23.56              | -1.5       | 22.06    | 0.161     | 1.00    | Pass |
|                  |              |           |                       | RB12#0                          | 22.63              | -1.5       | 21.13    | 0.130     | 1.00    | Pass |
|                  | RB12#6       |           |                       | 22.59                           | -1.5               | 21.09      | 0.129    | 1.00      | Pass    |      |
|                  | RB12#13      |           |                       | 22.55                           | -1.5               | 21.05      | 0.127    | 1.00      | Pass    |      |
|                  | RB25#0       |           | 22.61                 | -1.5                            | 21.11              | 0.129      | 1.00     | Pass      |         |      |
|                  | 16-QAM       |           | RB1#0                 | 23.21                           | -1.5               | 21.71      | 0.148    | 1.00      | Pass    |      |
|                  |              |           | RB1#13                | 23.21                           | -1.5               | 21.71      | 0.148    | 1.00      | Pass    |      |
| RB1#24           |              |           | 23.17                 | -1.5                            | 21.67              | 0.147      | 1.00     | Pass      |         |      |
| RB12#0           |              |           | 21.76                 | -1.5                            | 20.26              | 0.106      | 1.00     | Pass      |         |      |
| RB12#6           |              |           | 21.71                 | -1.5                            | 20.21              | 0.105      | 1.00     | Pass      |         |      |
| RB12#13          |              | 21.68     | -1.5                  | 20.18                           | 0.104              | 1.00       | Pass     |           |         |      |
| RB25#0           | 21.69        | -1.5      | 20.19                 | 0.104                           | 1.00               | Pass       |          |           |         |      |
| HCH              | QPSK         | RB1#0     | 23.64                 | -1.5                            | 22.14              | 0.164      | 1.00     | Pass      |         |      |
|                  |              | RB1#13    | 23.63                 | -1.5                            | 22.13              | 0.163      | 1.00     | Pass      |         |      |
|                  |              | RB1#24    | 23.68                 | -1.5                            | 22.18              | 0.165      | 1.00     | Pass      |         |      |
|                  |              | RB12#0    | 22.63                 | -1.5                            | 21.13              | 0.130      | 1.00     | Pass      |         |      |
|                  |              | RB12#6    | 22.63                 | -1.5                            | 21.13              | 0.130      | 1.00     | Pass      |         |      |
|                  |              | RB12#13   | 22.6                  | -1.5                            | 21.10              | 0.129      | 1.00     | Pass      |         |      |
|                  |              | RB25#0    | 22.63                 | -1.5                            | 21.13              | 0.130      | 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 BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |
| 10 MHz           | LCH          | 16-QAM    | RB1#0                 | 22.59                           | -1.5               | 21.09      | 0.129    | 1.00      | Pass    |
|                  |              |           | RB1#13                | 22.61                           | -1.5               | 21.11      | 0.129    | 1.00      | Pass    |
|                  |              |           | RB1#24                | 22.62                           | -1.5               | 21.12      | 0.129    | 1.00      | Pass    |
|                  |              |           | RB12#0                | 21.67                           | -1.5               | 20.17      | 0.104    | 1.00      | Pass    |
|                  |              |           | RB12#6                | 21.68                           | -1.5               | 20.18      | 0.104    | 1.00      | Pass    |
|                  |              |           | RB12#13               | 21.67                           | -1.5               | 20.17      | 0.104    | 1.00      | Pass    |
|                  |              |           | RB25#0                | 21.61                           | -1.5               | 20.11      | 0.103    | 1.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 23.72                           | -1.5               | 22.22      | 0.167    | 1.00      | Pass    |
|                  |              |           | RB1#25                | 23.7                            | -1.5               | 22.20      | 0.166    | 1.00      | Pass    |
|                  |              |           | RB1#49                | 23.57                           | -1.5               | 22.07      | 0.161    | 1.00      | Pass    |
|                  |              |           | RB25#0                | 22.53                           | -1.5               | 21.03      | 0.127    | 1.00      | Pass    |
|                  |              |           | RB25#13               | 22.55                           | -1.5               | 21.05      | 0.127    | 1.00      | Pass    |
|                  |              |           | RB25#25               | 22.58                           | -1.5               | 21.08      | 0.128    | 1.00      | Pass    |
|                  |              |           | RB50#0                | 22.57                           | -1.5               | 21.07      | 0.128    | 1.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 22.48                           | -1.5               | 20.98      | 0.125    | 1.00      | Pass    |
|                  |              |           | RB1#25                | 22.47                           | -1.5               | 20.97      | 0.125    | 1.00      | Pass    |
|                  |              |           | RB1#49                | 22.4                            | -1.5               | 20.90      | 0.123    | 1.00      | Pass    |
|                  |              |           | RB25#0                | 21.57                           | -1.5               | 20.07      | 0.102    | 1.00      | Pass    |
|                  |              |           | RB25#13               | 21.6                            | -1.5               | 20.10      | 0.102    | 1.00      | Pass    |
|                  |              |           | RB25#25               | 21.64                           | -1.5               | 20.14      | 0.103    | 1.00      | Pass    |
|                  |              |           | RB50#0                | 21.57                           | -1.5               | 20.07      | 0.102    | 1.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 23.6                            | -1.5               | 22.10      | 0.162    | 1.00      | Pass    |
|                  |              |           | RB1#25                | 23.6                            | -1.5               | 22.10      | 0.162    | 1.00      | Pass    |
|                  |              |           | RB1#49                | 23.53                           | -1.5               | 22.03      | 0.160    | 1.00      | Pass    |
|                  |              |           | RB25#0                | 22.67                           | -1.5               | 21.17      | 0.131    | 1.00      | Pass    |
|                  |              |           | RB25#13               | 22.6                            | -1.5               | 21.10      | 0.129    | 1.00      | Pass    |
|                  |              |           | RB25#25               | 22.55                           | -1.5               | 21.05      | 0.127    | 1.00      | Pass    |
|                  |              |           | RB50#0                | 22.62                           | -1.5               | 21.12      | 0.129    | 1.00      | Pass    |
| 16-QAM           |              | RB1#0     | 22.95                 | -1.5                            | 21.45              | 0.140      | 1.00     | Pass      |         |
|                  |              | RB1#25    | 22.93                 | -1.5                            | 21.43              | 0.139      | 1.00     | Pass      |         |
|                  |              | RB1#49    | 22.88                 | -1.5                            | 21.38              | 0.137      | 1.00     | Pass      |         |
|                  |              | RB25#0    | 21.71                 | -1.5                            | 20.21              | 0.105      | 1.00     | Pass      |         |
|                  |              | RB25#13   | 21.69                 | -1.5                            | 20.19              | 0.104      | 1.00     | Pass      |         |
|                  |              | RB25#25   | 21.63                 | -1.5                            | 20.13              | 0.103      | 1.00     | Pass      |         |
|                  |              | RB50#0    | 21.63                 | -1.5                            | 20.13              | 0.103      | 1.00     | Pass      |         |
| QPSK             | RB1#0        | 23.56     | -1.5                  | 22.06                           | 0.161              | 1.00       | Pass     |           |         |
|                  | RB1#25       | 23.57     | -1.5                  | 22.07                           | 0.161              | 1.00       | Pass     |           |         |
|                  | RB1#49       | 23.54     | -1.5                  | 22.04                           | 0.160              | 1.00       | Pass     |           |         |
|                  | RB25#0       | 22.59     | -1.5                  | 21.09                           | 0.129              | 1.00       | Pass     |           |         |
|                  | RB25#13      | 22.58     | -1.5                  | 21.08                           | 0.128              | 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 BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |      |
|                  |              |           | RB25#25               | 22.65                           | -1.5               | 21.15      | 0.130    | 1.00      | Pass    |      |
|                  |              |           | RB50#0                | 22.65                           | -1.5               | 21.15      | 0.130    | 1.00      | Pass    |      |
|                  |              | 16-QAM    | RB1#0                 | 22.54                           | -1.5               | 21.04      | 0.127    | 1.00      | Pass    |      |
|                  |              |           | RB1#25                | 22.51                           | -1.5               | 21.01      | 0.126    | 1.00      | Pass    |      |
|                  |              |           | RB1#49                | 22.52                           | -1.5               | 21.02      | 0.126    | 1.00      | Pass    |      |
|                  |              |           | RB25#0                | 21.69                           | -1.5               | 20.19      | 0.104    | 1.00      | Pass    |      |
|                  |              |           | RB25#13               | 21.7                            | -1.5               | 20.20      | 0.105    | 1.00      | Pass    |      |
|                  |              |           | RB25#25               | 21.76                           | -1.5               | 20.26      | 0.106    | 1.00      | Pass    |      |
|                  |              | RB50#0    | 21.65                 | -1.5                            | 20.15              | 0.104      | 1.00     | Pass      |         |      |
| 15 MHz           | LCH          | QPSK      | RB1#0                 | 23.66                           | -1.5               | 22.16      | 0.164    | 1.00      | Pass    |      |
|                  |              |           | RB1#38                | 23.57                           | -1.5               | 22.07      | 0.161    | 1.00      | Pass    |      |
|                  |              |           | RB1#74                | 23.52                           | -1.5               | 22.02      | 0.159    | 1.00      | Pass    |      |
|                  |              |           | RB36#0                | 22.51                           | -1.5               | 21.01      | 0.126    | 1.00      | Pass    |      |
|                  |              |           | RB36#19               | 22.53                           | -1.5               | 21.03      | 0.127    | 1.00      | Pass    |      |
|                  |              |           | RB36#39               | 22.53                           | -1.5               | 21.03      | 0.127    | 1.00      | Pass    |      |
|                  |              |           |                       | RB75#0                          | 22.54              | -1.5       | 21.04    | 0.127     | 1.00    | Pass |
|                  |              | 16-QAM    | RB1#0                 | 22.49                           | -1.5               | 20.99      | 0.126    | 1.00      | Pass    |      |
|                  |              |           | RB1#38                | 22.42                           | -1.5               | 20.92      | 0.124    | 1.00      | Pass    |      |
|                  |              |           | RB1#74                | 22.39                           | -1.5               | 20.89      | 0.123    | 1.00      | Pass    |      |
|                  |              |           | RB36#0                | 21.53                           | -1.5               | 20.03      | 0.101    | 1.00      | Pass    |      |
|                  |              |           | RB36#19               | 21.54                           | -1.5               | 20.04      | 0.101    | 1.00      | Pass    |      |
|                  | RB36#39      |           | 21.55                 | -1.5                            | 20.05              | 0.101      | 1.00     | Pass      |         |      |
|                  |              |           | RB75#0                | 21.51                           | -1.5               | 20.01      | 0.100    | 1.00      | Pass    |      |
|                  | MCH          | QPSK      | RB1#0                 | 23.57                           | -1.5               | 22.07      | 0.161    | 1.00      | Pass    |      |
|                  |              |           | RB1#38                | 23.59                           | -1.5               | 22.09      | 0.162    | 1.00      | Pass    |      |
|                  |              |           | RB1#74                | 23.48                           | -1.5               | 21.98      | 0.158    | 1.00      | Pass    |      |
|                  |              |           | RB36#0                | 22.62                           | -1.5               | 21.12      | 0.129    | 1.00      | Pass    |      |
|                  |              |           | RB36#19               | 22.56                           | -1.5               | 21.06      | 0.128    | 1.00      | Pass    |      |
|                  |              |           | RB36#39               | 22.56                           | -1.5               | 21.06      | 0.128    | 1.00      | Pass    |      |
|                  |              |           |                       | RB75#0                          | 22.6               | -1.5       | 21.10    | 0.129     | 1.00    | Pass |
|                  |              | 16-QAM    | RB1#0                 | 22.93                           | -1.5               | 21.43      | 0.139    | 1.00      | Pass    |      |
|                  |              |           | RB1#38                | 22.95                           | -1.5               | 21.45      | 0.140    | 1.00      | Pass    |      |
|                  |              |           | RB1#74                | 22.84                           | -1.5               | 21.34      | 0.136    | 1.00      | Pass    |      |
| RB36#0           |              |           | 21.69                 | -1.5                            | 20.19              | 0.104      | 1.00     | Pass      |         |      |
| RB36#19          |              |           | 21.62                 | -1.5                            | 20.12              | 0.103      | 1.00     | Pass      |         |      |
| RB36#39          | 21.63        |           | -1.5                  | 20.13                           | 0.103              | 1.00       | Pass     |           |         |      |
|                  |              | RB75#0    | 21.6                  | -1.5                            | 20.10              | 0.102      | 1.00     | Pass      |         |      |
| HCH              | QPSK         | RB1#0     | 23.53                 | -1.5                            | 22.03              | 0.160      | 1.00     | Pass      |         |      |
|                  |              | RB1#38    | 23.53                 | -1.5                            | 22.03              | 0.160      | 1.00     | Pass      |         |      |
|                  |              | RB1#74    | 23.47                 | -1.5                            | 21.97              | 0.157      | 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 BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |       |      |      |
|                  |              |           | RB36#0                | 22.59                           | -1.5               | 21.09      | 0.129    | 1.00      | Pass    |       |      |      |
|                  |              |           | RB36#19               | 22.58                           | -1.5               | 21.08      | 0.128    | 1.00      | Pass    |       |      |      |
|                  |              |           | RB36#39               | 22.59                           | -1.5               | 21.09      | 0.129    | 1.00      | Pass    |       |      |      |
|                  |              |           | RB75#0                | 22.58                           | -1.5               | 21.08      | 0.128    | 1.00      | Pass    |       |      |      |
|                  |              | 16-QAM    | RB1#0                 | 22.93                           | -1.5               | 21.43      | 0.139    | 1.00      | Pass    |       |      |      |
|                  |              |           | RB1#38                | 22.88                           | -1.5               | 21.38      | 0.137    | 1.00      | Pass    |       |      |      |
|                  |              |           | RB1#74                | 22.82                           | -1.5               | 21.32      | 0.136    | 1.00      | Pass    |       |      |      |
|                  |              |           | RB36#0                | 21.6                            | -1.5               | 20.10      | 0.102    | 1.00      | Pass    |       |      |      |
|                  |              |           | RB36#19               | 21.57                           | -1.5               | 20.07      | 0.102    | 1.00      | Pass    |       |      |      |
|                  |              |           | RB36#39               | 21.6                            | -1.5               | 20.10      | 0.102    | 1.00      | Pass    |       |      |      |
|                  |              |           | RB75#0                | 21.58                           | -1.5               | 20.08      | 0.102    | 1.00      | Pass    |       |      |      |
|                  |              |           | 20 MHz                | LCH                             | QPSK               | RB1#0      | 23.55    | -1.5      | 22.05   | 0.160 | 1.00 | Pass |
|                  |              |           |                       |                                 |                    | RB1#50     | 23.53    | -1.5      | 22.03   | 0.160 | 1.00 | Pass |
|                  |              |           |                       |                                 |                    | RB1#99     | 23.44    | -1.5      | 21.94   | 0.156 | 1.00 | Pass |
| RB50#0           | 22.55        | -1.5      |                       |                                 |                    | 21.05      | 0.127    | 1.00      | Pass    |       |      |      |
| RB50#25          | 22.62        | -1.5      |                       |                                 |                    | 21.12      | 0.129    | 1.00      | Pass    |       |      |      |
| RB50#50          | 22.56        | -1.5      |                       |                                 |                    | 21.06      | 0.128    | 1.00      | Pass    |       |      |      |
| RB100#0          | 22.56        | -1.5      |                       |                                 |                    | 21.06      | 0.128    | 1.00      | Pass    |       |      |      |
| 16-QAM           | RB1#0        | 23.25     |                       |                                 | -1.5               | 21.75      | 0.150    | 1.00      | Pass    |       |      |      |
|                  | RB1#50       | 23.2      |                       |                                 | -1.5               | 21.70      | 0.148    | 1.00      | Pass    |       |      |      |
|                  | RB1#99       | 23.1      |                       |                                 | -1.5               | 21.60      | 0.145    | 1.00      | Pass    |       |      |      |
|                  | RB50#0       | 21.53     |                       |                                 | -1.5               | 20.03      | 0.101    | 1.00      | Pass    |       |      |      |
|                  | RB50#25      | 21.64     |                       |                                 | -1.5               | 20.14      | 0.103    | 1.00      | Pass    |       |      |      |
|                  | RB50#50      | 21.56     |                       |                                 | -1.5               | 20.06      | 0.101    | 1.00      | Pass    |       |      |      |
|                  | RB100#0      | 21.63     |                       |                                 | -1.5               | 20.13      | 0.103    | 1.00      | Pass    |       |      |      |
| MCH              | QPSK         | RB1#0     | 23.61                 | -1.5                            | 22.11              | 0.163      | 1.00     | Pass      |         |       |      |      |
|                  |              | RB1#50    | 23.6                  | -1.5                            | 22.10              | 0.162      | 1.00     | Pass      |         |       |      |      |
|                  |              | RB1#99    | 23.5                  | -1.5                            | 22.00              | 0.158      | 1.00     | Pass      |         |       |      |      |
|                  |              | RB50#0    | 22.72                 | -1.5                            | 21.22              | 0.132      | 1.00     | Pass      |         |       |      |      |
|                  |              | RB50#25   | 22.59                 | -1.5                            | 21.09              | 0.129      | 1.00     | Pass      |         |       |      |      |
|                  |              | RB50#50   | 22.57                 | -1.5                            | 21.07              | 0.128      | 1.00     | Pass      |         |       |      |      |
|                  |              | RB100#0   | 22.58                 | -1.5                            | 21.08              | 0.128      | 1.00     | Pass      |         |       |      |      |
|                  | 16-QAM       | RB1#0     | 22.92                 | -1.5                            | 21.42              | 0.139      | 1.00     | Pass      |         |       |      |      |
|                  |              | RB1#50    | 22.91                 | -1.5                            | 21.41              | 0.138      | 1.00     | Pass      |         |       |      |      |
|                  |              | RB1#99    | 22.83                 | -1.5                            | 21.33              | 0.136      | 1.00     | Pass      |         |       |      |      |
|                  |              | RB50#0    | 21.7                  | -1.5                            | 20.20              | 0.105      | 1.00     | Pass      |         |       |      |      |
|                  |              | RB50#25   | 21.64                 | -1.5                            | 20.14              | 0.103      | 1.00     | Pass      |         |       |      |      |
|                  |              | RB50#50   | 21.6                  | -1.5                            | 20.10              | 0.102      | 1.00     | Pass      |         |       |      |      |
|                  |              | RB100#0   | 21.61                 | -1.5                            | 20.11              | 0.103      | 1.00     | Pass      |         |       |      |      |
| HCH              | QPSK         | RB1#0     | 23.5                  | -1.5                            | 22.00              | 0.158      | 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 BAND4</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB1#50                | 23.54                           | -1.5               | 22.04      | 0.160    | 1.00      | Pass    |
|                  |              |           | RB1#99                | 23.46                           | -1.5               | 21.96      | 0.157    | 1.00      | Pass    |
|                  |              |           | RB50#0                | 22.61                           | -1.5               | 21.11      | 0.129    | 1.00      | Pass    |
|                  |              |           | RB50#25               | 22.64                           | -1.5               | 21.14      | 0.130    | 1.00      | Pass    |
|                  |              |           | RB50#50               | 22.64                           | -1.5               | 21.14      | 0.130    | 1.00      | Pass    |
|                  |              |           | RB100#0               | 22.61                           | -1.5               | 21.11      | 0.129    | 1.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 22.97                           | -1.5               | 21.47      | 0.140    | 1.00      | Pass    |
|                  |              |           | RB1#50                | 22.96                           | -1.5               | 21.46      | 0.140    | 1.00      | Pass    |
|                  |              |           | RB1#99                | 22.91                           | -1.5               | 21.41      | 0.138    | 1.00      | Pass    |
|                  |              |           | RB50#0                | 21.56                           | -1.5               | 20.06      | 0.101    | 1.00      | Pass    |
|                  |              |           | RB50#25               | 21.59                           | -1.5               | 20.09      | 0.102    | 1.00      | Pass    |
|                  |              |           | RB50#50               | 21.6                            | -1.5               | 20.10      | 0.102    | 1.00      | Pass    |
|                  |              |           | RB100#0               | 21.57                           | -1.5               | 20.07      | 0.102    | 1.00      | 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> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 1.4 MHz          | LCH          | QPSK      | RB1#0                 | 23.73                           | -6.3               | -8.45              | 15.28     | 0.034   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 23.7                            | -6.3               | -8.45              | 15.25     | 0.033   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 23.71                           | -6.3               | -8.45              | 15.26     | 0.034   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 23.87                           | -6.3               | -8.45              | 15.42     | 0.035   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 23.85                           | -6.3               | -8.45              | 15.40     | 0.035   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 23.83                           | -6.3               | -8.45              | 15.38     | 0.035   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 22.81                           | -6.3               | -8.45              | 14.36     | 0.027   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 22.92                           | -6.3               | -8.45              | 14.47     | 0.028   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 22.95                           | -6.3               | -8.45              | 14.50     | 0.028   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 22.93                           | -6.3               | -8.45              | 14.48     | 0.028   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 22.91                           | -6.3               | -8.45              | 14.46     | 0.028   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 22.84                           | -6.3               | -8.45              | 14.39     | 0.027   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 22.86                           | -6.3               | -8.45              | 14.41     | 0.028   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 21.94                           | -6.3               | -8.45              | 13.49     | 0.022   | 7.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 23.76                           | -6.3               | -8.45              | 15.31     | 0.034   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 23.75                           | -6.3               | -8.45              | 15.30     | 0.034   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 23.77                           | -6.3               | -8.45              | 15.32     | 0.034   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 23.85                           | -6.3               | -8.45              | 15.40     | 0.035   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 23.81                           | -6.3               | -8.45              | 15.36     | 0.034   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 23.83                           | -6.3               | -8.45              | 15.38     | 0.035   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 22.85                           | -6.3               | -8.45              | 14.40     | 0.028   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 23.24                           | -6.3               | -8.45              | 14.79     | 0.030   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 23.22                           | -6.3               | -8.45              | 14.77     | 0.030   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 23.26                           | -6.3               | -8.45              | 14.81     | 0.030   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 23.03                           | -6.3               | -8.45              | 14.58     | 0.029   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 22.98                           | -6.3               | -8.45              | 14.53     | 0.028   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 22.99                           | -6.3               | -8.45              | 14.54     | 0.028   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 21.76                           | -6.3               | -8.45              | 13.31     | 0.021   | 7.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 23.75                           | -6.3               | -8.45              | 15.30     | 0.034   | 7.00      | Pass    |
|                  |              |           | RB1#3                 | 23.78                           | -6.3               | -8.45              | 15.33     | 0.034   | 7.00      | Pass    |
|                  |              |           | RB1#5                 | 23.75                           | -6.3               | -8.45              | 15.30     | 0.034   | 7.00      | Pass    |
|                  |              |           | RB3#0                 | 23.88                           | -6.3               | -8.45              | 15.43     | 0.035   | 7.00      | Pass    |
|                  |              |           | RB3#2                 | 23.85                           | -6.3               | -8.45              | 15.40     | 0.035   | 7.00      | Pass    |
|                  |              |           | RB3#3                 | 23.86                           | -6.3               | -8.45              | 15.41     | 0.035   | 7.00      | Pass    |
|                  |              |           | RB6#0                 | 22.84                           | -6.3               | -8.45              | 14.39     | 0.027   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 22.9                            | -6.3               | -8.45              | 14.45     | 0.028   | 7.00      | Pass    |
| RB1#3            |              |           | 22.92                 | -6.3                            | -8.45              | 14.47              | 0.028     | 7.00    | Pass      |         |
| RB1#5            |              |           | 22.94                 | -6.3                            | -8.45              | 14.49              | 0.028     | 7.00    | Pass      |         |
| RB3#0            |              |           | 23.03                 | -6.3                            | -8.45              | 14.58              | 0.029     | 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            |              |           | RB3#2                 | 22.99                           | -6.3               | -8.45              | 14.54     | 0.028   | 7.00      | Pass    |      |
|                  |              |           | RB3#3                 | 23.01                           | -6.3               | -8.45              | 14.56     | 0.029   | 7.00      | Pass    |      |
|                  |              |           | RB6#0                 | 22.05                           | -6.3               | -8.45              | 13.60     | 0.023   | 7.00      | Pass    |      |
|                  | LCH          | QPSK      | RB1#0                 | 23.88                           | -6.3               | -8.45              | 15.43     | 0.035   | 7.00      | Pass    |      |
|                  |              |           | RB1#7                 | 23.79                           | -6.3               | -8.45              | 15.34     | 0.034   | 7.00      | Pass    |      |
|                  |              |           | RB1#14                | 23.81                           | -6.3               | -8.45              | 15.36     | 0.034   | 7.00      | Pass    |      |
|                  |              |           | RB8#0                 | 22.81                           | -6.3               | -8.45              | 14.36     | 0.027   | 7.00      | Pass    |      |
|                  |              |           | RB8#4                 | 22.81                           | -6.3               | -8.45              | 14.36     | 0.027   | 7.00      | Pass    |      |
|                  |              |           | RB8#7                 | 22.79                           | -6.3               | -8.45              | 14.34     | 0.027   | 7.00      | Pass    |      |
|                  |              |           | RB15#0                | 22.8                            | -6.3               | -8.45              | 14.35     | 0.027   | 7.00      | Pass    |      |
|                  |              |           | 16-QAM                | RB1#0                           | 22.8               | -6.3               | -8.45     | 14.35   | 0.027     | 7.00    | Pass |
|                  |              |           |                       | RB1#7                           | 22.73              | -6.3               | -8.45     | 14.28   | 0.027     | 7.00    | Pass |
|                  |              | RB1#14    |                       | 22.72                           | -6.3               | -8.45              | 14.27     | 0.027   | 7.00      | Pass    |      |
|                  |              | RB8#0     |                       | 21.96                           | -6.3               | -8.45              | 13.51     | 0.022   | 7.00      | Pass    |      |
|                  |              | RB8#4     |                       | 21.94                           | -6.3               | -8.45              | 13.49     | 0.022   | 7.00      | Pass    |      |
|                  |              | RB8#7     |                       | 21.9                            | -6.3               | -8.45              | 13.45     | 0.022   | 7.00      | Pass    |      |
|                  |              | MCH       | QPSK                  | RB1#0                           | 23.8               | -6.3               | -8.45     | 15.35   | 0.034     | 7.00    | Pass |
|                  |              |           |                       | RB1#7                           | 23.84              | -6.3               | -8.45     | 15.39   | 0.035     | 7.00    | Pass |
|                  |              |           |                       | RB1#14                          | 23.79              | -6.3               | -8.45     | 15.34   | 0.034     | 7.00    | Pass |
|                  |              |           |                       | RB8#0                           | 22.85              | -6.3               | -8.45     | 14.40   | 0.028     | 7.00    | Pass |
|                  |              |           |                       | RB8#4                           | 22.87              | -6.3               | -8.45     | 14.42   | 0.028     | 7.00    | Pass |
|                  | RB8#7        |           |                       | 22.86                           | -6.3               | -8.45              | 14.41     | 0.028   | 7.00      | Pass    |      |
|                  | RB15#0       |           |                       | 22.89                           | -6.3               | -8.45              | 14.44     | 0.028   | 7.00      | Pass    |      |
|                  | 16-QAM       |           |                       | RB1#0                           | 23.27              | -6.3               | -8.45     | 14.82   | 0.030     | 7.00    | Pass |
|                  |              |           |                       | RB1#7                           | 23.27              | -6.3               | -8.45     | 14.82   | 0.030     | 7.00    | Pass |
|                  |              |           | RB1#14                | 23.3                            | -6.3               | -8.45              | 14.85     | 0.031   | 7.00      | Pass    |      |
|                  |              |           | RB8#0                 | 21.94                           | -6.3               | -8.45              | 13.49     | 0.022   | 7.00      | Pass    |      |
|                  |              |           | RB8#4                 | 21.96                           | -6.3               | -8.45              | 13.51     | 0.022   | 7.00      | Pass    |      |
|                  |              |           | RB8#7                 | 21.93                           | -6.3               | -8.45              | 13.48     | 0.022   | 7.00      | Pass    |      |
|                  | HCH          |           | QPSK                  | RB15#0                          | 21.9               | -6.3               | -8.45     | 13.45   | 0.022     | 7.00    | Pass |
| RB1#0            |              |           |                       | 23.84                           | -6.3               | -8.45              | 15.39     | 0.035   | 7.00      | Pass    |      |
| RB1#7            |              |           |                       | 23.8                            | -6.3               | -8.45              | 15.35     | 0.034   | 7.00      | Pass    |      |
| RB1#14           |              |           |                       | 23.83                           | -6.3               | -8.45              | 15.38     | 0.035   | 7.00      | Pass    |      |
| RB8#0            |              |           |                       | 22.9                            | -6.3               | -8.45              | 14.45     | 0.028   | 7.00      | Pass    |      |
| RB8#4            |              | 22.88     |                       | -6.3                            | -8.45              | 14.43              | 0.028     | 7.00    | Pass      |         |      |
| RB8#7            |              | 22.82     |                       | -6.3                            | -8.45              | 14.37              | 0.027     | 7.00    | Pass      |         |      |
| RB15#0           |              | 22.86     | -6.3                  | -8.45                           | 14.41              | 0.028              | 7.00      | Pass    |           |         |      |
| 16-QAM           |              | RB1#0     | 22.93                 | -6.3                            | -8.45              | 14.48              | 0.028     | 7.00    | Pass      |         |      |
| RB1#7            | 22.86        | -6.3      | -8.45                 | 14.41                           | 0.028              | 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> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 5 MHz            |              |           | RB1#14                | 22.92                           | -6.3               | -8.45              | 14.47     | 0.028   | 7.00      | Pass    |
|                  |              |           | RB8#0                 | 21.92                           | -6.3               | -8.45              | 13.47     | 0.022   | 7.00      | Pass    |
|                  |              |           | RB8#4                 | 21.93                           | -6.3               | -8.45              | 13.48     | 0.022   | 7.00      | Pass    |
|                  |              |           | RB8#7                 | 21.94                           | -6.3               | -8.45              | 13.49     | 0.022   | 7.00      | Pass    |
|                  |              |           | RB15#0                | 21.83                           | -6.3               | -8.45              | 13.38     | 0.022   | 7.00      | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 24.08                           | -6.3               | -8.45              | 15.63     | 0.037   | 7.00      | Pass    |
|                  |              |           | RB1#13                | 24.06                           | -6.3               | -8.45              | 15.61     | 0.036   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 24.07                           | -6.3               | -8.45              | 15.62     | 0.036   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 22.91                           | -6.3               | -8.45              | 14.46     | 0.028   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 22.87                           | -6.3               | -8.45              | 14.42     | 0.028   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 22.84                           | -6.3               | -8.45              | 14.39     | 0.027   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 22.86                           | -6.3               | -8.45              | 14.41     | 0.028   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 23.2                            | -6.3               | -8.45              | 14.75     | 0.030   | 7.00      | Pass    |
|                  |              |           | RB1#13                | 23.21                           | -6.3               | -8.45              | 14.76     | 0.030   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 23.22                           | -6.3               | -8.45              | 14.77     | 0.030   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 21.95                           | -6.3               | -8.45              | 13.50     | 0.022   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 21.92                           | -6.3               | -8.45              | 13.47     | 0.022   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 21.87                           | -6.3               | -8.45              | 13.42     | 0.022   | 7.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 23.86                           | -6.3               | -8.45              | 15.41     | 0.035   | 7.00      | Pass    |
|                  |              |           | RB1#13                | 23.9                            | -6.3               | -8.45              | 15.45     | 0.035   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 23.95                           | -6.3               | -8.45              | 15.50     | 0.035   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 22.91                           | -6.3               | -8.45              | 14.46     | 0.028   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 22.9                            | -6.3               | -8.45              | 14.45     | 0.028   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 22.87                           | -6.3               | -8.45              | 14.42     | 0.028   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 22.86                           | -6.3               | -8.45              | 14.41     | 0.028   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 23.52                           | -6.3               | -8.45              | 15.07     | 0.032   | 7.00      | Pass    |
|                  |              |           | RB1#13                | 23.46                           | -6.3               | -8.45              | 15.01     | 0.032   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 23.45                           | -6.3               | -8.45              | 15.00     | 0.032   | 7.00      | Pass    |
| RB12#0           |              |           | 22.01                 | -6.3                            | -8.45              | 13.56              | 0.023     | 7.00    | Pass      |         |
| RB12#6           |              |           | 22.02                 | -6.3                            | -8.45              | 13.57              | 0.023     | 7.00    | Pass      |         |
| RB12#13          |              |           | 21.99                 | -6.3                            | -8.45              | 13.54              | 0.023     | 7.00    | Pass      |         |
| RB25#0           |              |           | 21.96                 | -6.3                            | -8.45              | 13.51              | 0.022     | 7.00    | Pass      |         |
| HCH              | QPSK         | RB1#0     | 23.92                 | -6.3                            | -8.45              | 15.47              | 0.035     | 7.00    | Pass      |         |
|                  |              | RB1#13    | 23.94                 | -6.3                            | -8.45              | 15.49              | 0.035     | 7.00    | Pass      |         |
|                  |              | RB1#24    | 23.96                 | -6.3                            | -8.45              | 15.51              | 0.036     | 7.00    | Pass      |         |
|                  |              | RB12#0    | 23                    | -6.3                            | -8.45              | 14.55              | 0.029     | 7.00    | Pass      |         |
|                  |              | RB12#6    | 22.9                  | -6.3                            | -8.45              | 14.45              | 0.028     | 7.00    | Pass      |         |
|                  |              | RB12#13   | 22.86                 | -6.3                            | -8.45              | 14.41              | 0.028     | 7.00    | Pass      |         |
|                  |              | RB25#0    | 22.88                 | -6.3                            | -8.45              | 14.43              | 0.028     | 7.00    | 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 BAND5</b> |              |           |                       |                              |                    |                    |           |         |           |         |
| 10 MHz           | LCH          | 16-QAM    | RB1#0                 | 22.88                        | -6.3               | -8.45              | 14.43     | 0.028   | 7.00      | Pass    |
|                  |              |           | RB1#13                | 22.89                        | -6.3               | -8.45              | 14.44     | 0.028   | 7.00      | Pass    |
|                  |              |           | RB1#24                | 22.87                        | -6.3               | -8.45              | 14.42     | 0.028   | 7.00      | Pass    |
|                  |              |           | RB12#0                | 22.06                        | -6.3               | -8.45              | 13.61     | 0.023   | 7.00      | Pass    |
|                  |              |           | RB12#6                | 21.9                         | -6.3               | -8.45              | 13.45     | 0.022   | 7.00      | Pass    |
|                  |              |           | RB12#13               | 21.9                         | -6.3               | -8.45              | 13.45     | 0.022   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 21.84                        | -6.3               | -8.45              | 13.39     | 0.022   | 7.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 23.93                        | -6.3               | -8.45              | 15.48     | 0.035   | 7.00      | Pass    |
|                  |              |           | RB1#25                | 23.97                        | -6.3               | -8.45              | 15.52     | 0.036   | 7.00      | Pass    |
|                  |              |           | RB1#49                | 23.93                        | -6.3               | -8.45              | 15.48     | 0.035   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 22.97                        | -6.3               | -8.45              | 14.52     | 0.028   | 7.00      | Pass    |
|                  |              |           | RB25#13               | 22.91                        | -6.3               | -8.45              | 14.46     | 0.028   | 7.00      | Pass    |
|                  |              |           | RB25#25               | 22.87                        | -6.3               | -8.45              | 14.42     | 0.028   | 7.00      | Pass    |
|                  |              |           | RB50#0                | 22.91                        | -6.3               | -8.45              | 14.46     | 0.028   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 22.84                        | -6.3               | -8.45              | 14.39     | 0.027   | 7.00      | Pass    |
|                  |              |           | RB1#25                | 22.82                        | -6.3               | -8.45              | 14.37     | 0.027   | 7.00      | Pass    |
|                  |              |           | RB1#49                | 22.79                        | -6.3               | -8.45              | 14.34     | 0.027   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 22                           | -6.3               | -8.45              | 13.55     | 0.023   | 7.00      | Pass    |
|                  |              |           | RB25#13               | 21.91                        | -6.3               | -8.45              | 13.46     | 0.022   | 7.00      | Pass    |
|                  |              |           | RB25#25               | 21.88                        | -6.3               | -8.45              | 13.43     | 0.022   | 7.00      | Pass    |
|                  |              |           | RB50#0                | 21.9                         | -6.3               | -8.45              | 13.45     | 0.022   | 7.00      | Pass    |
| HCH              | QPSK         | RB1#0     | 23.89                 | -6.3                         | -8.45              | 15.44              | 0.035     | 7.00    | Pass      |         |
|                  |              | RB1#25    | 23.91                 | -6.3                         | -8.45              | 15.46              | 0.035     | 7.00    | Pass      |         |
|                  |              | RB1#49    | 23.85                 | -6.3                         | -8.45              | 15.40              | 0.035     | 7.00    | Pass      |         |
|                  |              | RB25#0    | 22.91                 | -6.3                         | -8.45              | 14.46              | 0.028     | 7.00    | Pass      |         |
|                  |              | RB25#13   | 22.88                 | -6.3                         | -8.45              | 14.43              | 0.028     | 7.00    | Pass      |         |
|                  |              | RB25#25   | 22.94                 | -6.3                         | -8.45              | 14.49              | 0.028     | 7.00    | Pass      |         |
|                  |              | RB50#0    | 22.92                 | -6.3                         | -8.45              | 14.47              | 0.028     | 7.00    | Pass      |         |
|                  | 16-QAM       | RB1#0     | 23.31                 | -6.3                         | -8.45              | 14.86              | 0.031     | 7.00    | Pass      |         |
|                  |              | RB1#25    | 23.31                 | -6.3                         | -8.45              | 14.86              | 0.031     | 7.00    | Pass      |         |
|                  |              | RB1#49    | 23.26                 | -6.3                         | -8.45              | 14.81              | 0.030     | 7.00    | Pass      |         |
|                  |              | RB25#0    | 21.98                 | -6.3                         | -8.45              | 13.53              | 0.023     | 7.00    | Pass      |         |
|                  |              | RB25#13   | 21.96                 | -6.3                         | -8.45              | 13.51              | 0.022     | 7.00    | Pass      |         |
|                  |              | RB25#25   | 22.02                 | -6.3                         | -8.45              | 13.57              | 0.023     | 7.00    | Pass      |         |
|                  |              | RB50#0    | 21.94                 | -6.3                         | -8.45              | 13.49              | 0.022     | 7.00    | Pass      |         |
|                  |              | QPSK      | RB1#0                 | 23.78                        | -6.3               | -8.45              | 15.33     | 0.034   | 7.00      | Pass    |
| RB1#25           | 23.78        |           | -6.3                  | -8.45                        | 15.33              | 0.034              | 7.00      | Pass    |           |         |
| RB1#49           | 23.76        |           | -6.3                  | -8.45                        | 15.31              | 0.034              | 7.00      | Pass    |           |         |
| RB25#0           | 22.81        |           | -6.3                  | -8.45                        | 14.36              | 0.027              | 7.00      | Pass    |           |         |
| RB25#13          | 22.81        |           | -6.3                  | -8.45                        | 14.36              | 0.027              | 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#25               | 22.75                           | -6.3               | -8.45              | 14.30     | 0.027   | 7.00      | Pass    |
|                  |              |           | RB50#0                | 22.85                           | -6.3               | -8.45              | 14.40     | 0.028   | 7.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 22.88                           | -6.3               | -8.45              | 14.43     | 0.028   | 7.00      | Pass    |
|                  |              |           | RB1#25                | 22.8                            | -6.3               | -8.45              | 14.35     | 0.027   | 7.00      | Pass    |
|                  |              |           | RB1#49                | 22.83                           | -6.3               | -8.45              | 14.38     | 0.027   | 7.00      | Pass    |
|                  |              |           | RB25#0                | 21.91                           | -6.3               | -8.45              | 13.46     | 0.022   | 7.00      | Pass    |
|                  |              |           | RB25#13               | 21.92                           | -6.3               | -8.45              | 13.47     | 0.022   | 7.00      | Pass    |
|                  |              |           | RB25#25               | 21.86                           | -6.3               | -8.45              | 13.41     | 0.022   | 7.00      | Pass    |
|                  |              |           | RB50#0                | 21.82                           | -6.3               | -8.45              | 13.37     | 0.022   | 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                 | 23.91                           | -1.6               | 22.31      | 0.170    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 23.95                           | -1.6               | 22.35      | 0.172    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 23.94                           | -1.6               | 22.34      | 0.171    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 22.82                           | -1.6               | 21.22      | 0.132    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 22.78                           | -1.6               | 21.18      | 0.131    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 22.78                           | -1.6               | 21.18      | 0.131    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 22.74                           | -1.6               | 21.14      | 0.130    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 23.08                           | -1.6               | 21.48      | 0.141    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 23.1                            | -1.6               | 21.50      | 0.141    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 23.05                           | -1.6               | 21.45      | 0.140    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 21.82                           | -1.6               | 20.22      | 0.105    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 21.81                           | -1.6               | 20.21      | 0.105    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 21.82                           | -1.6               | 20.22      | 0.105    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 21.81                           | -1.6               | 20.21      | 0.105    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 23.74                           | -1.6               | 22.14      | 0.164    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 23.76                           | -1.6               | 22.16      | 0.164    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 23.76                           | -1.6               | 22.16      | 0.164    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 22.78                           | -1.6               | 21.18      | 0.131    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 22.72                           | -1.6               | 21.12      | 0.129    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 22.68                           | -1.6               | 21.08      | 0.128    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 22.73                           | -1.6               | 21.13      | 0.130    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 23.37                           | -1.6               | 21.77      | 0.150    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 23.36                           | -1.6               | 21.76      | 0.150    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 23.32                           | -1.6               | 21.72      | 0.149    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 21.93                           | -1.6               | 20.33      | 0.108    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 21.85                           | -1.6               | 20.25      | 0.106    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 21.85                           | -1.6               | 20.25      | 0.106    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 21.82                           | -1.6               | 20.22      | 0.105    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 23.75                           | -1.6               | 22.15      | 0.164    | 2.00      | Pass    |
|                  |              |           | RB1#13                | 23.73                           | -1.6               | 22.13      | 0.163    | 2.00      | Pass    |
|                  |              |           | RB1#24                | 23.67                           | -1.6               | 22.07      | 0.161    | 2.00      | Pass    |
|                  |              |           | RB12#0                | 22.72                           | -1.6               | 21.12      | 0.129    | 2.00      | Pass    |
|                  |              |           | RB12#6                | 22.69                           | -1.6               | 21.09      | 0.129    | 2.00      | Pass    |
|                  |              |           | RB12#13               | 22.66                           | -1.6               | 21.06      | 0.128    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 22.7                            | -1.6               | 21.10      | 0.129    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 22.64                           | -1.6               | 21.04      | 0.127    | 2.00      | Pass    |
| RB1#13           |              |           | 22.64                 | -1.6                            | 21.04              | 0.127      | 2.00     | Pass      |         |
| RB1#24           |              |           | 22.6                  | -1.6                            | 21.00              | 0.126      | 2.00     | Pass      |         |
| RB12#0           |              |           | 21.78                 | -1.6                            | 20.18              | 0.104      | 2.00     | Pass      |         |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |      |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|------|
| <b>LTE BAND7</b> |              |           |                       |                                 |                    |            |          |           |         |      |
| 10 MHz           |              |           | RB12#6                | 21.75                           | -1.6               | 20.15      | 0.104    | 2.00      | Pass    |      |
|                  |              |           | RB12#13               | 21.71                           | -1.6               | 20.11      | 0.103    | 2.00      | Pass    |      |
|                  |              |           | RB25#0                | 21.67                           | -1.6               | 20.07      | 0.102    | 2.00      | Pass    |      |
|                  | LCH          | QPSK      | RB1#0                 | 23.81                           | -1.6               | 22.21      | 0.166    | 2.00      | Pass    |      |
|                  |              |           | RB1#25                | 23.76                           | -1.6               | 22.16      | 0.164    | 2.00      | Pass    |      |
|                  |              |           | RB1#49                | 23.72                           | -1.6               | 22.12      | 0.163    | 2.00      | Pass    |      |
|                  |              |           | RB25#0                | 22.73                           | -1.6               | 21.13      | 0.130    | 2.00      | Pass    |      |
|                  |              |           | RB25#13               | 22.74                           | -1.6               | 21.14      | 0.130    | 2.00      | Pass    |      |
|                  |              |           | RB25#25               | 22.73                           | -1.6               | 21.13      | 0.130    | 2.00      | Pass    |      |
|                  |              | 16-QAM    | RB50#0                | 22.75                           | -1.6               | 21.15      | 0.130    | 2.00      | Pass    |      |
|                  |              |           | RB1#0                 | 22.65                           | -1.6               | 21.05      | 0.127    | 2.00      | Pass    |      |
|                  |              |           | RB1#25                | 22.59                           | -1.6               | 20.99      | 0.126    | 2.00      | Pass    |      |
|                  |              |           | RB1#49                | 22.6                            | -1.6               | 21.00      | 0.126    | 2.00      | Pass    |      |
|                  |              |           | RB25#0                | 21.74                           | -1.6               | 20.14      | 0.103    | 2.00      | Pass    |      |
|                  |              |           | RB25#13               | 21.73                           | -1.6               | 20.13      | 0.103    | 2.00      | Pass    |      |
|                  |              | MCH       | QPSK                  | RB25#25                         | 21.77              | -1.6       | 20.17    | 0.104     | 2.00    | Pass |
|                  |              |           |                       | RB50#0                          | 21.73              | -1.6       | 20.13    | 0.103     | 2.00    | Pass |
|                  |              |           |                       | RB1#0                           | 23.75              | -1.6       | 22.15    | 0.164     | 2.00    | Pass |
|                  |              |           |                       | RB1#25                          | 23.71              | -1.6       | 22.11    | 0.163     | 2.00    | Pass |
|                  |              |           |                       | RB1#49                          | 23.64              | -1.6       | 22.04    | 0.160     | 2.00    | Pass |
|                  |              |           |                       | RB25#0                          | 22.77              | -1.6       | 21.17    | 0.131     | 2.00    | Pass |
|                  | 16-QAM       |           | RB25#13               | 22.66                           | -1.6               | 21.06      | 0.128    | 2.00      | Pass    |      |
|                  |              |           | RB25#25               | 22.73                           | -1.6               | 21.13      | 0.130    | 2.00      | Pass    |      |
|                  |              |           | RB50#0                | 22.75                           | -1.6               | 21.15      | 0.130    | 2.00      | Pass    |      |
|                  |              |           | RB1#0                 | 23.1                            | -1.6               | 21.50      | 0.141    | 2.00      | Pass    |      |
|                  |              |           | RB1#25                | 23.06                           | -1.6               | 21.46      | 0.140    | 2.00      | Pass    |      |
|                  |              |           | RB1#49                | 23.02                           | -1.6               | 21.42      | 0.139    | 2.00      | Pass    |      |
|                  | HCH          | QPSK      | RB25#0                | 21.82                           | -1.6               | 20.22      | 0.105    | 2.00      | Pass    |      |
|                  |              |           | RB25#13               | 21.73                           | -1.6               | 20.13      | 0.103    | 2.00      | Pass    |      |
|                  |              |           | RB25#25               | 21.79                           | -1.6               | 20.19      | 0.104    | 2.00      | Pass    |      |
| RB50#0           |              |           | 21.78                 | -1.6                            | 20.18              | 0.104      | 2.00     | Pass      |         |      |
| RB1#0            |              |           | 23.66                 | -1.6                            | 22.06              | 0.161      | 2.00     | Pass      |         |      |
| RB1#25           |              |           | 23.62                 | -1.6                            | 22.02              | 0.159      | 2.00     | Pass      |         |      |
| 16-QAM           |              | RB1#49    | 23.59                 | -1.6                            | 21.99              | 0.158      | 2.00     | Pass      |         |      |
|                  |              | RB1#25    | 22.63                 | -1.6                            | 21.03              | 0.127      | 2.00     | Pass      |         |      |
|                  |              |           | RB1#0                 | 22.69                           | -1.6               | 21.09      | 0.129    | 2.00      | Pass    |      |
|                  |              |           | RB25#13               | 22.68                           | -1.6               | 21.08      | 0.128    | 2.00      | Pass    |      |
|                  |              |           | RB25#25               | 22.69                           | -1.6               | 21.09      | 0.129    | 2.00      | Pass    |      |
|                  |              |           | RB50#0                | 22.7                            | -1.6               | 21.10      | 0.129    | 2.00      | Pass    |      |
|                  |              |           | RB1#25                | 22.58                           | -1.6               | 20.98      | 0.125    | 2.00      | Pass    |      |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND7</b> |              |           |                       |                                 |                    |            |          |           |         |
| 15 MHz           |              |           | RB1#49                | 22.55                           | -1.6               | 20.95      | 0.124    | 2.00      | Pass    |
|                  |              |           | RB25#0                | 21.82                           | -1.6               | 20.22      | 0.105    | 2.00      | Pass    |
|                  |              |           | RB25#13               | 21.77                           | -1.6               | 20.17      | 0.104    | 2.00      | Pass    |
|                  |              |           | RB25#25               | 21.78                           | -1.6               | 20.18      | 0.104    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 21.73                           | -1.6               | 20.13      | 0.103    | 2.00      | Pass    |
|                  | LCH          | QPSK      | RB1#0                 | 23.78                           | -1.6               | 22.18      | 0.165    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 23.74                           | -1.6               | 22.14      | 0.164    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 23.69                           | -1.6               | 22.09      | 0.162    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 22.68                           | -1.6               | 21.08      | 0.128    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 22.67                           | -1.6               | 21.07      | 0.128    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 22.69                           | -1.6               | 21.09      | 0.129    | 2.00      | Pass    |
|                  |              | RB75#0    | 22.65                 | -1.6                            | 21.05              | 0.127      | 2.00     | Pass      |         |
|                  |              | 16-QAM    | RB1#0                 | 22.6                            | -1.6               | 21.00      | 0.126    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 22.6                            | -1.6               | 21.00      | 0.126    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 22.52                           | -1.6               | 20.92      | 0.124    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 21.69                           | -1.6               | 20.09      | 0.102    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 21.67                           | -1.6               | 20.07      | 0.102    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 21.68                           | -1.6               | 20.08      | 0.102    | 2.00      | Pass    |
|                  | RB75#0       | 21.68     | -1.6                  | 20.08                           | 0.102              | 2.00       | Pass     |           |         |
|                  | MCH          | QPSK      | RB1#0                 | 23.67                           | -1.6               | 22.07      | 0.161    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 23.67                           | -1.6               | 22.07      | 0.161    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 23.54                           | -1.6               | 21.94      | 0.156    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 22.75                           | -1.6               | 21.15      | 0.130    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 22.68                           | -1.6               | 21.08      | 0.128    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 22.65                           | -1.6               | 21.05      | 0.127    | 2.00      | Pass    |
|                  |              | RB75#0    | 22.69                 | -1.6                            | 21.09              | 0.129      | 2.00     | Pass      |         |
|                  |              | 16-QAM    | RB1#0                 | 23.06                           | -1.6               | 21.46      | 0.140    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 23.08                           | -1.6               | 21.48      | 0.141    | 2.00      | Pass    |
| RB1#74           |              |           | 22.93                 | -1.6                            | 21.33              | 0.136      | 2.00     | Pass      |         |
| RB36#0           |              |           | 21.8                  | -1.6                            | 20.20              | 0.105      | 2.00     | Pass      |         |
| RB36#19          |              |           | 21.77                 | -1.6                            | 20.17              | 0.104      | 2.00     | Pass      |         |
| RB36#39          |              |           | 21.71                 | -1.6                            | 20.11              | 0.103      | 2.00     | Pass      |         |
| RB75#0           | 21.7         | -1.6      | 20.10                 | 0.102                           | 2.00               | Pass       |          |           |         |
| HCH              | QPSK         | RB1#0     | 23.52                 | -1.6                            | 21.92              | 0.156      | 2.00     | Pass      |         |
|                  |              | RB1#38    | 23.53                 | -1.6                            | 21.93              | 0.156      | 2.00     | Pass      |         |
|                  |              | RB1#74    | 23.5                  | -1.6                            | 21.90              | 0.155      | 2.00     | Pass      |         |
|                  |              | RB36#0    | 22.64                 | -1.6                            | 21.04              | 0.127      | 2.00     | Pass      |         |
|                  |              | RB36#19   | 22.63                 | -1.6                            | 21.03              | 0.127      | 2.00     | Pass      |         |
|                  |              | RB36#39   | 22.63                 | -1.6                            | 21.03              | 0.127      | 2.00     | Pass      |         |
| RB75#0           | 22.63        | -1.6      | 21.03                 | 0.127                           | 2.00               | Pass       |          |           |         |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND7</b> |              |           |                       |                                 |                    |            |          |           |         |
| 20 MHz           | LCH          | 16-QAM    | RB1#0                 | 22.91                           | -1.6               | 21.31      | 0.135    | 2.00      | Pass    |
|                  |              |           | RB1#38                | 22.93                           | -1.6               | 21.33      | 0.136    | 2.00      | Pass    |
|                  |              |           | RB1#74                | 22.76                           | -1.6               | 21.16      | 0.131    | 2.00      | Pass    |
|                  |              |           | RB36#0                | 21.65                           | -1.6               | 20.05      | 0.101    | 2.00      | Pass    |
|                  |              |           | RB36#19               | 21.61                           | -1.6               | 20.01      | 0.100    | 2.00      | Pass    |
|                  |              |           | RB36#39               | 21.62                           | -1.6               | 20.02      | 0.100    | 2.00      | Pass    |
|                  |              |           | RB75#0                | 21.63                           | -1.6               | 20.03      | 0.101    | 2.00      | Pass    |
|                  | MCH          | QPSK      | RB1#0                 | 23.63                           | -1.6               | 22.03      | 0.160    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 23.65                           | -1.6               | 22.05      | 0.160    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 23.55                           | -1.6               | 21.95      | 0.157    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 22.71                           | -1.6               | 21.11      | 0.129    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 22.76                           | -1.6               | 21.16      | 0.131    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 22.73                           | -1.6               | 21.13      | 0.130    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 22.72                           | -1.6               | 21.12      | 0.129    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 23.29                           | -1.6               | 21.69      | 0.148    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 23.33                           | -1.6               | 21.73      | 0.149    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 23.22                           | -1.6               | 21.62      | 0.145    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 21.71                           | -1.6               | 20.11      | 0.103    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 21.76                           | -1.6               | 20.16      | 0.104    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 21.72                           | -1.6               | 20.12      | 0.103    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 21.75                           | -1.6               | 20.15      | 0.104    | 2.00      | Pass    |
|                  | HCH          | QPSK      | RB1#0                 | 23.72                           | -1.6               | 22.12      | 0.163    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 23.7                            | -1.6               | 22.10      | 0.162    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 23.58                           | -1.6               | 21.98      | 0.158    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 22.81                           | -1.6               | 21.21      | 0.132    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 22.74                           | -1.6               | 21.14      | 0.130    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 22.71                           | -1.6               | 21.11      | 0.129    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 22.75                           | -1.6               | 21.15      | 0.130    | 2.00      | Pass    |
| 16-QAM           |              | RB1#0     | 23.06                 | -1.6                            | 21.46              | 0.140      | 2.00     | Pass      |         |
|                  |              | RB1#50    | 23.06                 | -1.6                            | 21.46              | 0.140      | 2.00     | Pass      |         |
|                  |              | RB1#99    | 22.93                 | -1.6                            | 21.33              | 0.136      | 2.00     | Pass      |         |
|                  |              | RB50#0    | 21.81                 | -1.6                            | 20.21              | 0.105      | 2.00     | Pass      |         |
|                  |              | RB50#25   | 21.77                 | -1.6                            | 20.17              | 0.104      | 2.00     | Pass      |         |
|                  |              | RB50#50   | 21.69                 | -1.6                            | 20.09              | 0.102      | 2.00     | Pass      |         |
|                  |              | RB100#0   | 21.72                 | -1.6                            | 20.12              | 0.103      | 2.00     | Pass      |         |
| HCH              | QPSK         | RB1#0     | 23.51                 | -1.6                            | 21.91              | 0.155      | 2.00     | Pass      |         |
|                  |              | RB1#50    | 23.54                 | -1.6                            | 21.94              | 0.156      | 2.00     | Pass      |         |
|                  |              | RB1#99    | 23.44                 | -1.6                            | 21.84              | 0.153      | 2.00     | Pass      |         |
|                  |              | RB50#0    | 22.74                 | -1.6                            | 21.14              | 0.130      | 2.00     | Pass      |         |
|                  |              | RB50#25   | 22.67                 | -1.6                            | 21.07              | 0.128      | 2.00     | Pass      |         |

| Test BW          | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND7</b> |              |           |                       |                                 |                    |            |          |           |         |
|                  |              |           | RB50#50               | 22.63                           | -1.6               | 21.03      | 0.127    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 22.65                           | -1.6               | 21.05      | 0.127    | 2.00      | Pass    |
|                  |              | 16-QAM    | RB1#0                 | 23.01                           | -1.6               | 21.41      | 0.138    | 2.00      | Pass    |
|                  |              |           | RB1#50                | 23.03                           | -1.6               | 21.43      | 0.139    | 2.00      | Pass    |
|                  |              |           | RB1#99                | 22.88                           | -1.6               | 21.28      | 0.134    | 2.00      | Pass    |
|                  |              |           | RB50#0                | 21.71                           | -1.6               | 20.11      | 0.103    | 2.00      | Pass    |
|                  |              |           | RB50#25               | 21.59                           | -1.6               | 19.99      | 0.100    | 2.00      | Pass    |
|                  |              |           | RB50#50               | 21.57                           | -1.6               | 19.97      | 0.099    | 2.00      | Pass    |
|                  |              |           | RB100#0               | 21.61                           | -1.6               | 20.01      | 0.100    | 2.00      | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND12</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 1.4 MHz           | LCH          | QPSK      | RB1#0                 | 23.65                           | -6.4               | -8.55              | 15.10     | 0.032   | 3.00      | Pass    |
|                   |              |           | RB1#3                 | 23.66                           | -6.4               | -8.55              | 15.11     | 0.032   | 3.00      | Pass    |
|                   |              |           | RB1#5                 | 23.63                           | -6.4               | -8.55              | 15.08     | 0.032   | 3.00      | Pass    |
|                   |              |           | RB3#0                 | 23.75                           | -6.4               | -8.55              | 15.20     | 0.033   | 3.00      | Pass    |
|                   |              |           | RB3#2                 | 23.77                           | -6.4               | -8.55              | 15.22     | 0.033   | 3.00      | Pass    |
|                   |              |           | RB3#3                 | 23.75                           | -6.4               | -8.55              | 15.20     | 0.033   | 3.00      | Pass    |
|                   |              |           | RB6#0                 | 22.74                           | -6.4               | -8.55              | 14.19     | 0.026   | 3.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.82                           | -6.4               | -8.55              | 14.27     | 0.027   | 3.00      | Pass    |
|                   |              |           | RB1#3                 | 22.88                           | -6.4               | -8.55              | 14.33     | 0.027   | 3.00      | Pass    |
|                   |              |           | RB1#5                 | 22.84                           | -6.4               | -8.55              | 14.29     | 0.027   | 3.00      | Pass    |
|                   |              |           | RB3#0                 | 22.78                           | -6.4               | -8.55              | 14.23     | 0.026   | 3.00      | Pass    |
|                   |              |           | RB3#2                 | 22.8                            | -6.4               | -8.55              | 14.25     | 0.027   | 3.00      | Pass    |
|                   |              |           | RB3#3                 | 22.77                           | -6.4               | -8.55              | 14.22     | 0.026   | 3.00      | Pass    |
|                   |              |           | RB6#0                 | 21.82                           | -6.4               | -8.55              | 13.27     | 0.021   | 3.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.64                           | -6.4               | -8.55              | 15.09     | 0.032   | 3.00      | Pass    |
|                   |              |           | RB1#3                 | 23.6                            | -6.4               | -8.55              | 15.05     | 0.032   | 3.00      | Pass    |
|                   |              |           | RB1#5                 | 23.62                           | -6.4               | -8.55              | 15.07     | 0.032   | 3.00      | Pass    |
|                   |              |           | RB3#0                 | 23.69                           | -6.4               | -8.55              | 15.14     | 0.033   | 3.00      | Pass    |
|                   |              |           | RB3#2                 | 23.69                           | -6.4               | -8.55              | 15.14     | 0.033   | 3.00      | Pass    |
|                   |              |           | RB3#3                 | 23.69                           | -6.4               | -8.55              | 15.14     | 0.033   | 3.00      | Pass    |
|                   |              |           | RB6#0                 | 22.74                           | -6.4               | -8.55              | 14.19     | 0.026   | 3.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.13                           | -6.4               | -8.55              | 14.58     | 0.029   | 3.00      | Pass    |
|                   |              |           | RB1#3                 | 23.07                           | -6.4               | -8.55              | 14.52     | 0.028   | 3.00      | Pass    |
|                   |              |           | RB1#5                 | 23.09                           | -6.4               | -8.55              | 14.54     | 0.028   | 3.00      | Pass    |
|                   |              |           | RB3#0                 | 22.93                           | -6.4               | -8.55              | 14.38     | 0.027   | 3.00      | Pass    |
|                   |              |           | RB3#2                 | 22.89                           | -6.4               | -8.55              | 14.34     | 0.027   | 3.00      | Pass    |
|                   |              |           | RB3#3                 | 22.88                           | -6.4               | -8.55              | 14.33     | 0.027   | 3.00      | Pass    |
|                   |              |           | RB6#0                 | 21.56                           | -6.4               | -8.55              | 13.01     | 0.020   | 3.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 23.68                           | -6.4               | -8.55              | 15.13     | 0.033   | 3.00      | Pass    |
|                   |              |           | RB1#3                 | 23.72                           | -6.4               | -8.55              | 15.17     | 0.033   | 3.00      | Pass    |
|                   |              |           | RB1#5                 | 23.69                           | -6.4               | -8.55              | 15.14     | 0.033   | 3.00      | Pass    |
|                   |              |           | RB3#0                 | 23.77                           | -6.4               | -8.55              | 15.22     | 0.033   | 3.00      | Pass    |
|                   |              |           | RB3#2                 | 23.8                            | -6.4               | -8.55              | 15.25     | 0.033   | 3.00      | Pass    |
|                   |              |           | RB3#3                 | 23.79                           | -6.4               | -8.55              | 15.24     | 0.033   | 3.00      | Pass    |
|                   |              |           | RB6#0                 | 22.79                           | -6.4               | -8.55              | 14.24     | 0.027   | 3.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.76                           | -6.4               | -8.55              | 14.21     | 0.026   | 3.00      | Pass    |
| RB1#3             |              |           | 22.76                 | -6.4                            | -8.55              | 14.21              | 0.026     | 3.00    | Pass      |         |
| RB1#5             |              |           | 22.78                 | -6.4                            | -8.55              | 14.23              | 0.026     | 3.00    | Pass      |         |
| RB3#0             |              |           | 22.89                 | -6.4                            | -8.55              | 14.34              | 0.027     | 3.00    | Pass      |         |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |      |      |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|------|------|
| <b>LTE BAND12</b> |              |           |                       |                                 |                    |                    |           |         |           |         |      |      |
| 3 MHz             |              |           | RB3#2                 | 22.92                           | -6.4               | -8.55              | 14.37     | 0.027   | 3.00      | Pass    |      |      |
|                   |              |           | RB3#3                 | 22.91                           | -6.4               | -8.55              | 14.36     | 0.027   | 3.00      | Pass    |      |      |
|                   |              |           | RB6#0                 | 21.95                           | -6.4               | -8.55              | 13.40     | 0.022   | 3.00      | Pass    |      |      |
|                   | LCH          | QPSK      | RB1#0                 | 23.75                           | -6.4               | -8.55              | 15.20     | 0.033   | 3.00      | Pass    |      |      |
|                   |              |           | RB1#7                 | 23.69                           | -6.4               | -8.55              | 15.14     | 0.033   | 3.00      | Pass    |      |      |
|                   |              |           | RB1#14                | 23.69                           | -6.4               | -8.55              | 15.14     | 0.033   | 3.00      | Pass    |      |      |
|                   |              |           | RB8#0                 | 22.7                            | -6.4               | -8.55              | 14.15     | 0.026   | 3.00      | Pass    |      |      |
|                   |              |           | RB8#4                 | 22.7                            | -6.4               | -8.55              | 14.15     | 0.026   | 3.00      | Pass    |      |      |
|                   |              |           | RB8#7                 | 22.7                            | -6.4               | -8.55              | 14.15     | 0.026   | 3.00      | Pass    |      |      |
|                   |              |           | RB15#0                | 22.71                           | -6.4               | -8.55              | 14.16     | 0.026   | 3.00      | Pass    |      |      |
|                   |              |           | 16-QAM                | RB1#0                           | 22.67              | -6.4               | -8.55     | 14.12   | 0.026     | 3.00    | Pass |      |
|                   |              |           |                       | RB1#7                           | 22.62              | -6.4               | -8.55     | 14.07   | 0.026     | 3.00    | Pass |      |
|                   |              | RB1#14    |                       | 22.62                           | -6.4               | -8.55              | 14.07     | 0.026   | 3.00      | Pass    |      |      |
|                   |              | RB8#0     |                       | 21.81                           | -6.4               | -8.55              | 13.26     | 0.021   | 3.00      | Pass    |      |      |
|                   |              | RB8#4     |                       | 21.8                            | -6.4               | -8.55              | 13.25     | 0.021   | 3.00      | Pass    |      |      |
|                   |              | RB8#7     |                       | 21.8                            | -6.4               | -8.55              | 13.25     | 0.021   | 3.00      | Pass    |      |      |
|                   |              | MCH       | QPSK                  | RB1#0                           | 23.67              | -6.4               | -8.55     | 15.12   | 0.033     | 3.00    | Pass |      |
|                   |              |           |                       | RB1#7                           | 23.64              | -6.4               | -8.55     | 15.09   | 0.032     | 3.00    | Pass |      |
|                   |              |           |                       | RB1#14                          | 23.63              | -6.4               | -8.55     | 15.08   | 0.032     | 3.00    | Pass |      |
|                   |              |           |                       | RB8#0                           | 22.68              | -6.4               | -8.55     | 14.13   | 0.026     | 3.00    | Pass |      |
|                   |              |           |                       | RB8#4                           | 22.69              | -6.4               | -8.55     | 14.14   | 0.026     | 3.00    | Pass |      |
|                   |              |           |                       | RB8#7                           | 22.7               | -6.4               | -8.55     | 14.15   | 0.026     | 3.00    | Pass |      |
|                   |              |           | 16-QAM                | RB15#0                          | 22.69              | -6.4               | -8.55     | 14.14   | 0.026     | 3.00    | Pass |      |
|                   |              |           |                       | RB1#0                           | 23.11              | -6.4               | -8.55     | 14.56   | 0.029     | 3.00    | Pass |      |
|                   |              |           |                       | RB1#7                           | 23.08              | -6.4               | -8.55     | 14.53   | 0.028     | 3.00    | Pass |      |
|                   |              |           |                       | RB1#14                          | 23.09              | -6.4               | -8.55     | 14.54   | 0.028     | 3.00    | Pass |      |
|                   |              |           |                       | RB8#0                           | 21.74              | -6.4               | -8.55     | 13.19   | 0.021     | 3.00    | Pass |      |
|                   |              |           |                       | RB8#4                           | 21.77              | -6.4               | -8.55     | 13.22   | 0.021     | 3.00    | Pass |      |
|                   |              |           | HCH                   | QPSK                            | RB8#7              | 21.75              | -6.4      | -8.55   | 13.20     | 0.021   | 3.00 | Pass |
|                   |              |           |                       |                                 | RB15#0             | 21.73              | -6.4      | -8.55   | 13.18     | 0.021   | 3.00 | Pass |
| RB1#0             | 23.73        |           |                       |                                 | -6.4               | -8.55              | 15.18     | 0.033   | 3.00      | Pass    |      |      |
| RB1#7             | 23.72        |           |                       |                                 | -6.4               | -8.55              | 15.17     | 0.033   | 3.00      | Pass    |      |      |
| RB1#14            | 23.73        |           |                       |                                 | -6.4               | -8.55              | 15.18     | 0.033   | 3.00      | Pass    |      |      |
| RB8#0             | 22.79        |           |                       |                                 | -6.4               | -8.55              | 14.24     | 0.027   | 3.00      | Pass    |      |      |
| 16-QAM            | RB8#4        | 22.75     |                       | -6.4                            | -8.55              | 14.20              | 0.026     | 3.00    | Pass      |         |      |      |
|                   | RB8#7        | 22.73     |                       | -6.4                            | -8.55              | 14.18              | 0.026     | 3.00    | Pass      |         |      |      |
|                   | RB15#0       | 22.78     |                       | -6.4                            | -8.55              | 14.23              | 0.026     | 3.00    | Pass      |         |      |      |
|                   |              |           | RB1#0                 | 22.82                           | -6.4               | -8.55              | 14.27     | 0.027   | 3.00      | Pass    |      |      |
|                   |              |           | RB1#7                 | 22.76                           | -6.4               | -8.55              | 14.21     | 0.026   | 3.00      | Pass    |      |      |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND12</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 5 MHz             |              |           | RB1#14                | 22.74                           | -6.4               | -8.55              | 14.19     | 0.026   | 3.00      | Pass    |
|                   |              |           | RB8#0                 | 21.83                           | -6.4               | -8.55              | 13.28     | 0.021   | 3.00      | Pass    |
|                   |              |           | RB8#4                 | 21.79                           | -6.4               | -8.55              | 13.24     | 0.021   | 3.00      | Pass    |
|                   |              |           | RB8#7                 | 21.8                            | -6.4               | -8.55              | 13.25     | 0.021   | 3.00      | Pass    |
|                   |              |           | RB15#0                | 21.75                           | -6.4               | -8.55              | 13.20     | 0.021   | 3.00      | Pass    |
|                   | LCH          | QPSK      | RB1#0                 | 23.88                           | -6.4               | -8.55              | 15.33     | 0.034   | 3.00      | Pass    |
|                   |              |           | RB1#13                | 23.89                           | -6.4               | -8.55              | 15.34     | 0.034   | 3.00      | Pass    |
|                   |              |           | RB1#24                | 23.86                           | -6.4               | -8.55              | 15.31     | 0.034   | 3.00      | Pass    |
|                   |              |           | RB12#0                | 22.76                           | -6.4               | -8.55              | 14.21     | 0.026   | 3.00      | Pass    |
|                   |              |           | RB12#6                | 22.73                           | -6.4               | -8.55              | 14.18     | 0.026   | 3.00      | Pass    |
|                   |              |           | RB12#13               | 22.73                           | -6.4               | -8.55              | 14.18     | 0.026   | 3.00      | Pass    |
|                   |              |           | RB25#0                | 22.75                           | -6.4               | -8.55              | 14.20     | 0.026   | 3.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.04                           | -6.4               | -8.55              | 14.49     | 0.028   | 3.00      | Pass    |
|                   |              |           | RB1#13                | 23.03                           | -6.4               | -8.55              | 14.48     | 0.028   | 3.00      | Pass    |
|                   |              |           | RB1#24                | 23.01                           | -6.4               | -8.55              | 14.46     | 0.028   | 3.00      | Pass    |
|                   |              |           | RB12#0                | 21.77                           | -6.4               | -8.55              | 13.22     | 0.021   | 3.00      | Pass    |
|                   |              |           | RB12#6                | 21.78                           | -6.4               | -8.55              | 13.23     | 0.021   | 3.00      | Pass    |
|                   |              |           | RB12#13               | 21.79                           | -6.4               | -8.55              | 13.24     | 0.021   | 3.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.74                           | -6.4               | -8.55              | 15.19     | 0.033   | 3.00      | Pass    |
|                   |              |           | RB1#13                | 23.71                           | -6.4               | -8.55              | 15.16     | 0.033   | 3.00      | Pass    |
|                   |              |           | RB1#24                | 23.72                           | -6.4               | -8.55              | 15.17     | 0.033   | 3.00      | Pass    |
|                   |              |           | RB12#0                | 22.78                           | -6.4               | -8.55              | 14.23     | 0.026   | 3.00      | Pass    |
|                   |              |           | RB12#6                | 22.73                           | -6.4               | -8.55              | 14.18     | 0.026   | 3.00      | Pass    |
|                   |              |           | RB12#13               | 22.69                           | -6.4               | -8.55              | 14.14     | 0.026   | 3.00      | Pass    |
|                   |              |           | RB25#0                | 22.75                           | -6.4               | -8.55              | 14.20     | 0.026   | 3.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.38                           | -6.4               | -8.55              | 14.83     | 0.030   | 3.00      | Pass    |
|                   |              |           | RB1#13                | 23.34                           | -6.4               | -8.55              | 14.79     | 0.030   | 3.00      | Pass    |
|                   |              |           | RB1#24                | 23.32                           | -6.4               | -8.55              | 14.77     | 0.030   | 3.00      | Pass    |
| RB12#0            |              |           | 21.87                 | -6.4                            | -8.55              | 13.32              | 0.021     | 3.00    | Pass      |         |
| RB12#6            |              |           | 21.84                 | -6.4                            | -8.55              | 13.29              | 0.021     | 3.00    | Pass      |         |
| RB12#13           |              |           | 21.81                 | -6.4                            | -8.55              | 13.26              | 0.021     | 3.00    | Pass      |         |
| RB25#0            |              |           | 21.78                 | -6.4                            | -8.55              | 13.23              | 0.021     | 3.00    | Pass      |         |
| HCH               | QPSK         | RB1#0     | 23.79                 | -6.4                            | -8.55              | 15.24              | 0.033     | 3.00    | Pass      |         |
|                   |              | RB1#13    | 23.77                 | -6.4                            | -8.55              | 15.22              | 0.033     | 3.00    | Pass      |         |
|                   |              | RB1#24    | 23.81                 | -6.4                            | -8.55              | 15.26              | 0.034     | 3.00    | Pass      |         |
|                   |              | RB12#0    | 22.78                 | -6.4                            | -8.55              | 14.23              | 0.026     | 3.00    | Pass      |         |
|                   |              | RB12#6    | 22.75                 | -6.4                            | -8.55              | 14.20              | 0.026     | 3.00    | Pass      |         |
|                   |              | RB12#13   | 22.7                  | -6.4                            | -8.55              | 14.15              | 0.026     | 3.00    | Pass      |         |
|                   |              | RB25#0    | 22.76                 | -6.4                            | -8.55              | 14.21              | 0.026     | 3.00    | Pass      |         |



| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND12</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 10 MHz            | LCH          | 16-QAM    | RB1#0                 | 22.8                            | -6.4               | -8.55              | 14.25     | 0.027   | 3.00      | Pass    |
|                   |              |           | RB1#13                | 22.76                           | -6.4               | -8.55              | 14.21     | 0.026   | 3.00      | Pass    |
|                   |              |           | RB1#24                | 22.78                           | -6.4               | -8.55              | 14.23     | 0.026   | 3.00      | Pass    |
|                   |              |           | RB12#0                | 21.82                           | -6.4               | -8.55              | 13.27     | 0.021   | 3.00      | Pass    |
|                   |              |           | RB12#6                | 21.81                           | -6.4               | -8.55              | 13.26     | 0.021   | 3.00      | Pass    |
|                   |              |           | RB12#13               | 21.72                           | -6.4               | -8.55              | 13.17     | 0.021   | 3.00      | Pass    |
|                   |              |           | RB25#0                | 21.74                           | -6.4               | -8.55              | 13.19     | 0.021   | 3.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.8                            | -6.4               | -8.55              | 15.25     | 0.033   | 3.00      | Pass    |
|                   |              |           | RB1#25                | 23.75                           | -6.4               | -8.55              | 15.20     | 0.033   | 3.00      | Pass    |
|                   |              |           | RB1#49                | 23.74                           | -6.4               | -8.55              | 15.19     | 0.033   | 3.00      | Pass    |
|                   |              |           | RB25#0                | 22.65                           | -6.4               | -8.55              | 14.10     | 0.026   | 3.00      | Pass    |
|                   |              |           | RB25#13               | 22.73                           | -6.4               | -8.55              | 14.18     | 0.026   | 3.00      | Pass    |
|                   |              |           | RB25#25               | 22.74                           | -6.4               | -8.55              | 14.19     | 0.026   | 3.00      | Pass    |
|                   |              |           | RB50#0                | 22.74                           | -6.4               | -8.55              | 14.19     | 0.026   | 3.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.69                           | -6.4               | -8.55              | 14.14     | 0.026   | 3.00      | Pass    |
|                   |              |           | RB1#25                | 22.64                           | -6.4               | -8.55              | 14.09     | 0.026   | 3.00      | Pass    |
|                   |              |           | RB1#49                | 22.6                            | -6.4               | -8.55              | 14.05     | 0.025   | 3.00      | Pass    |
|                   |              |           | RB25#0                | 21.68                           | -6.4               | -8.55              | 13.13     | 0.021   | 3.00      | Pass    |
|                   |              |           | RB25#13               | 21.73                           | -6.4               | -8.55              | 13.18     | 0.021   | 3.00      | Pass    |
|                   |              |           | RB25#25               | 21.73                           | -6.4               | -8.55              | 13.18     | 0.021   | 3.00      | Pass    |
|                   |              |           | RB50#0                | 21.71                           | -6.4               | -8.55              | 13.16     | 0.021   | 3.00      | Pass    |
| HCH               | QPSK         | RB1#0     | 23.61                 | -6.4                            | -8.55              | 15.06              | 0.032     | 3.00    | Pass      |         |
|                   |              | RB1#25    | 23.63                 | -6.4                            | -8.55              | 15.08              | 0.032     | 3.00    | Pass      |         |
|                   |              | RB1#49    | 23.63                 | -6.4                            | -8.55              | 15.08              | 0.032     | 3.00    | Pass      |         |
|                   |              | RB25#0    | 22.65                 | -6.4                            | -8.55              | 14.10              | 0.026     | 3.00    | Pass      |         |
|                   |              | RB25#13   | 22.67                 | -6.4                            | -8.55              | 14.12              | 0.026     | 3.00    | Pass      |         |
|                   |              | RB25#25   | 22.58                 | -6.4                            | -8.55              | 14.03              | 0.025     | 3.00    | Pass      |         |
|                   |              | RB50#0    | 22.64                 | -6.4                            | -8.55              | 14.09              | 0.026     | 3.00    | Pass      |         |
|                   | 16-QAM       | RB1#0     | 22.99                 | -6.4                            | -8.55              | 14.44              | 0.028     | 3.00    | Pass      |         |
|                   |              | RB1#25    | 23.01                 | -6.4                            | -8.55              | 14.46              | 0.028     | 3.00    | Pass      |         |
|                   |              | RB1#49    | 23.02                 | -6.4                            | -8.55              | 14.47              | 0.028     | 3.00    | Pass      |         |
|                   |              | RB25#0    | 21.7                  | -6.4                            | -8.55              | 13.15              | 0.021     | 3.00    | Pass      |         |
|                   |              | RB25#13   | 21.69                 | -6.4                            | -8.55              | 13.14              | 0.021     | 3.00    | Pass      |         |
|                   |              | RB25#25   | 21.59                 | -6.4                            | -8.55              | 13.04              | 0.020     | 3.00    | Pass      |         |
|                   |              | RB50#0    | 21.63                 | -6.4                            | -8.55              | 13.08              | 0.020     | 3.00    | Pass      |         |
| HCH               | QPSK         | RB1#0     | 23.67                 | -6.4                            | -8.55              | 15.12              | 0.033     | 3.00    | Pass      |         |
|                   |              | RB1#25    | 23.68                 | -6.4                            | -8.55              | 15.13              | 0.033     | 3.00    | Pass      |         |
|                   |              | RB1#49    | 23.64                 | -6.4                            | -8.55              | 15.09              | 0.032     | 3.00    | Pass      |         |
|                   |              | RB25#0    | 22.79                 | -6.4                            | -8.55              | 14.24              | 0.027     | 3.00    | Pass      |         |
|                   |              | RB25#13   | 22.67                 | -6.4                            | -8.55              | 14.12              | 0.026     | 3.00    | Pass      |         |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND12</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                   |              |           | RB25#25               | 22.65                           | -6.4               | -8.55              | 14.10     | 0.026   | 3.00      | Pass    |
|                   |              |           | RB50#0                | 22.76                           | -6.4               | -8.55              | 14.21     | 0.026   | 3.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.66                           | -6.4               | -8.55              | 14.11     | 0.026   | 3.00      | Pass    |
|                   |              |           | RB1#25                | 22.7                            | -6.4               | -8.55              | 14.15     | 0.026   | 3.00      | Pass    |
|                   |              |           | RB1#49                | 22.67                           | -6.4               | -8.55              | 14.12     | 0.026   | 3.00      | Pass    |
|                   |              |           | RB25#0                | 21.89                           | -6.4               | -8.55              | 13.34     | 0.022   | 3.00      | Pass    |
|                   |              |           | RB25#13               | 21.74                           | -6.4               | -8.55              | 13.19     | 0.021   | 3.00      | Pass    |
|                   |              |           | RB25#25               | 21.78                           | -6.4               | -8.55              | 13.23     | 0.021   | 3.00      | Pass    |
|                   |              |           | RB50#0                | 21.78                           | -6.4               | -8.55              | 13.23     | 0.021   | 3.00      | 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 BAND17</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 5 MHz             | LCH          | QPSK      | RB1#0                 | 23.92                           | -6.4               | -8.55              | 15.37     | 0.034   | 3.00      | Pass    |
|                   |              |           | RB1#13                | 23.96                           | -6.4               | -8.55              | 15.41     | 0.035   | 3.00      | Pass    |
|                   |              |           | RB1#24                | 23.97                           | -6.4               | -8.55              | 15.42     | 0.035   | 3.00      | Pass    |
|                   |              |           | RB12#0                | 22.83                           | -6.4               | -8.55              | 14.28     | 0.027   | 3.00      | Pass    |
|                   |              |           | RB12#6                | 22.78                           | -6.4               | -8.55              | 14.23     | 0.026   | 3.00      | Pass    |
|                   |              |           | RB12#13               | 22.72                           | -6.4               | -8.55              | 14.17     | 0.026   | 3.00      | Pass    |
|                   |              |           | RB25#0                | 22.78                           | -6.4               | -8.55              | 14.23     | 0.026   | 3.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.09                           | -6.4               | -8.55              | 14.54     | 0.028   | 3.00      | Pass    |
|                   |              |           | RB1#13                | 23.07                           | -6.4               | -8.55              | 14.52     | 0.028   | 3.00      | Pass    |
|                   |              |           | RB1#24                | 23.12                           | -6.4               | -8.55              | 14.57     | 0.029   | 3.00      | Pass    |
|                   |              |           | RB12#0                | 21.9                            | -6.4               | -8.55              | 13.35     | 0.022   | 3.00      | Pass    |
|                   |              |           | RB12#6                | 21.82                           | -6.4               | -8.55              | 13.27     | 0.021   | 3.00      | Pass    |
|                   |              |           | RB12#13               | 21.8                            | -6.4               | -8.55              | 13.25     | 0.021   | 3.00      | Pass    |
|                   |              |           | RB25#0                | 21.84                           | -6.4               | -8.55              | 13.29     | 0.021   | 3.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.76                           | -6.4               | -8.55              | 15.21     | 0.033   | 3.00      | Pass    |
|                   |              |           | RB1#13                | 23.78                           | -6.4               | -8.55              | 15.23     | 0.033   | 3.00      | Pass    |
|                   |              |           | RB1#24                | 23.81                           | -6.4               | -8.55              | 15.26     | 0.034   | 3.00      | Pass    |
|                   |              |           | RB12#0                | 22.9                            | -6.4               | -8.55              | 14.35     | 0.027   | 3.00      | Pass    |
|                   |              |           | RB12#6                | 22.79                           | -6.4               | -8.55              | 14.24     | 0.027   | 3.00      | Pass    |
|                   |              |           | RB12#13               | 22.75                           | -6.4               | -8.55              | 14.20     | 0.026   | 3.00      | Pass    |
|                   |              |           | RB25#0                | 22.8                            | -6.4               | -8.55              | 14.25     | 0.027   | 3.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.36                           | -6.4               | -8.55              | 14.81     | 0.030   | 3.00      | Pass    |
|                   |              |           | RB1#13                | 23.37                           | -6.4               | -8.55              | 14.82     | 0.030   | 3.00      | Pass    |
|                   |              |           | RB1#24                | 23.42                           | -6.4               | -8.55              | 14.87     | 0.031   | 3.00      | Pass    |
|                   |              |           | RB12#0                | 21.97                           | -6.4               | -8.55              | 13.42     | 0.022   | 3.00      | Pass    |
|                   |              |           | RB12#6                | 21.92                           | -6.4               | -8.55              | 13.37     | 0.022   | 3.00      | Pass    |
|                   |              |           | RB12#13               | 21.88                           | -6.4               | -8.55              | 13.33     | 0.022   | 3.00      | Pass    |
|                   |              |           | RB25#0                | 21.85                           | -6.4               | -8.55              | 13.30     | 0.021   | 3.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 23.85                           | -6.4               | -8.55              | 15.30     | 0.034   | 3.00      | Pass    |
|                   |              |           | RB1#13                | 23.81                           | -6.4               | -8.55              | 15.26     | 0.034   | 3.00      | Pass    |
|                   |              |           | RB1#24                | 23.91                           | -6.4               | -8.55              | 15.36     | 0.034   | 3.00      | Pass    |
|                   |              |           | RB12#0                | 22.81                           | -6.4               | -8.55              | 14.26     | 0.027   | 3.00      | Pass    |
|                   |              |           | RB12#6                | 22.85                           | -6.4               | -8.55              | 14.30     | 0.027   | 3.00      | Pass    |
|                   |              |           | RB12#13               | 22.78                           | -6.4               | -8.55              | 14.23     | 0.026   | 3.00      | Pass    |
|                   |              |           | RB25#0                | 22.85                           | -6.4               | -8.55              | 14.30     | 0.027   | 3.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.88                           | -6.4               | -8.55              | 14.33     | 0.027   | 3.00      | Pass    |
| RB1#13            |              |           | 22.83                 | -6.4                            | -8.55              | 14.28              | 0.027     | 3.00    | Pass      |         |
| RB1#24            |              |           | 22.88                 | -6.4                            | -8.55              | 14.33              | 0.027     | 3.00    | Pass      |         |
| RB12#0            |              |           | 21.87                 | -6.4                            | -8.55              | 13.32              | 0.021     | 3.00    | 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 BAND17</b> |              |           |                       |                                 |                    |                    |           |         |           |         |      |      |
| 10 MHz            |              |           | RB12#6                | 21.89                           | -6.4               | -8.55              | 13.34     | 0.022   | 3.00      | Pass    |      |      |
|                   |              |           | RB12#13               | 21.8                            | -6.4               | -8.55              | 13.25     | 0.021   | 3.00      | Pass    |      |      |
|                   |              |           | RB25#0                | 21.8                            | -6.4               | -8.55              | 13.25     | 0.021   | 3.00      | Pass    |      |      |
|                   | LCH          | QPSK      | RB1#0                 | 23.8                            | -6.4               | -8.55              | 15.25     | 0.033   | 3.00      | Pass    |      |      |
|                   |              |           | RB1#25                | 23.83                           | -6.4               | -8.55              | 15.28     | 0.034   | 3.00      | Pass    |      |      |
|                   |              |           | RB1#49                | 23.77                           | -6.4               | -8.55              | 15.22     | 0.033   | 3.00      | Pass    |      |      |
|                   |              |           | RB25#0                | 22.83                           | -6.4               | -8.55              | 14.28     | 0.027   | 3.00      | Pass    |      |      |
|                   |              |           | RB25#13               | 22.79                           | -6.4               | -8.55              | 14.24     | 0.027   | 3.00      | Pass    |      |      |
|                   |              |           | RB25#25               | 22.78                           | -6.4               | -8.55              | 14.23     | 0.026   | 3.00      | Pass    |      |      |
|                   |              |           | RB50#0                | 22.82                           | -6.4               | -8.55              | 14.27     | 0.027   | 3.00      | Pass    |      |      |
|                   |              |           | 16-QAM                | RB1#0                           | 22.7               | -6.4               | -8.55     | 14.15   | 0.026     | 3.00    | Pass |      |
|                   |              |           |                       | RB1#25                          | 22.73              | -6.4               | -8.55     | 14.18   | 0.026     | 3.00    | Pass |      |
|                   |              | RB1#49    |                       | 22.68                           | -6.4               | -8.55              | 14.13     | 0.026   | 3.00      | Pass    |      |      |
|                   |              | RB25#0    |                       | 21.86                           | -6.4               | -8.55              | 13.31     | 0.021   | 3.00      | Pass    |      |      |
|                   |              | RB25#13   |                       | 21.82                           | -6.4               | -8.55              | 13.27     | 0.021   | 3.00      | Pass    |      |      |
|                   |              | RB25#25   |                       | 21.8                            | -6.4               | -8.55              | 13.25     | 0.021   | 3.00      | Pass    |      |      |
|                   |              | RB50#0    |                       | 21.8                            | -6.4               | -8.55              | 13.25     | 0.021   | 3.00      | Pass    |      |      |
|                   |              | MCH       |                       | QPSK                            | RB1#0              | 23.74              | -6.4      | -8.55   | 15.19     | 0.033   | 3.00 | Pass |
|                   |              |           |                       |                                 | RB1#25             | 23.71              | -6.4      | -8.55   | 15.16     | 0.033   | 3.00 | Pass |
|                   |              |           | RB1#49                |                                 | 23.68              | -6.4               | -8.55     | 15.13   | 0.033     | 3.00    | Pass |      |
|                   |              |           | RB25#0                |                                 | 22.77              | -6.4               | -8.55     | 14.22   | 0.026     | 3.00    | Pass |      |
|                   | RB25#13      |           | 22.72                 |                                 | -6.4               | -8.55              | 14.17     | 0.026   | 3.00      | Pass    |      |      |
|                   | RB25#25      |           | 22.71                 |                                 | -6.4               | -8.55              | 14.16     | 0.026   | 3.00      | Pass    |      |      |
|                   | RB50#0       |           | 22.76                 |                                 | -6.4               | -8.55              | 14.21     | 0.026   | 3.00      | Pass    |      |      |
|                   | 16-QAM       |           | RB1#0                 |                                 | 23.12              | -6.4               | -8.55     | 14.57   | 0.029     | 3.00    | Pass |      |
|                   |              |           | RB1#25                |                                 | 23.12              | -6.4               | -8.55     | 14.57   | 0.029     | 3.00    | Pass |      |
|                   |              |           | RB1#49                | 23.06                           | -6.4               | -8.55              | 14.51     | 0.028   | 3.00      | Pass    |      |      |
|                   |              |           | RB25#0                | 21.85                           | -6.4               | -8.55              | 13.30     | 0.021   | 3.00      | Pass    |      |      |
|                   |              |           | RB25#13               | 21.76                           | -6.4               | -8.55              | 13.21     | 0.021   | 3.00      | Pass    |      |      |
|                   |              |           | RB25#25               | 21.77                           | -6.4               | -8.55              | 13.22     | 0.021   | 3.00      | Pass    |      |      |
| RB50#0            |              |           | 21.77                 | -6.4                            | -8.55              | 13.22              | 0.021     | 3.00    | Pass      |         |      |      |
| HCH               |              |           | QPSK                  | RB1#0                           | 23.68              | -6.4               | -8.55     | 15.13   | 0.033     | 3.00    | Pass |      |
|                   |              |           |                       | RB1#25                          | 23.73              | -6.4               | -8.55     | 15.18   | 0.033     | 3.00    | Pass |      |
|                   | RB1#49       |           |                       | 23.73                           | -6.4               | -8.55              | 15.18     | 0.033   | 3.00      | Pass    |      |      |
|                   | RB25#0       |           |                       | 22.82                           | -6.4               | -8.55              | 14.27     | 0.027   | 3.00      | Pass    |      |      |
|                   | RB25#13      | 22.76     |                       | -6.4                            | -8.55              | 14.21              | 0.026     | 3.00    | Pass      |         |      |      |
|                   | RB25#25      | 22.73     |                       | -6.4                            | -8.55              | 14.18              | 0.026     | 3.00    | Pass      |         |      |      |
|                   | RB50#0       | 22.79     |                       | -6.4                            | -8.55              | 14.24              | 0.027     | 3.00    | Pass      |         |      |      |
|                   | 16-QAM       | RB1#0     | 22.7                  | -6.4                            | -8.55              | 14.15              | 0.026     | 3.00    | Pass      |         |      |      |
|                   |              | RB1#25    | 22.78                 | -6.4                            | -8.55              | 14.23              | 0.026     | 3.00    | 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 BAND17</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                   |              |           | RB1#49                | 22.76                           | -6.4               | -8.55              | 14.21     | 0.026   | 3.00      | Pass    |
|                   |              |           | RB25#0                | 21.96                           | -6.4               | -8.55              | 13.41     | 0.022   | 3.00      | Pass    |
|                   |              |           | RB25#13               | 21.82                           | -6.4               | -8.55              | 13.27     | 0.021   | 3.00      | Pass    |
|                   |              |           | RB25#25               | 21.83                           | -6.4               | -8.55              | 13.28     | 0.021   | 3.00      | Pass    |
|                   |              |           | RB50#0                | 21.84                           | -6.4               | -8.55              | 13.29     | 0.021   | 3.00      | 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 BAND26 (Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 1.4 MHz                    | LCH          | QPSK      | RB1#0                 | 23.84                           | -6.3               | -8.45              | 15.39     | 0.035   | 7.00      | Pass    |
|                            |              |           | RB1#3                 | 23.83                           | -6.3               | -8.45              | 15.38     | 0.035   | 7.00      | Pass    |
|                            |              |           | RB1#5                 | 23.81                           | -6.3               | -8.45              | 15.36     | 0.034   | 7.00      | Pass    |
|                            |              |           | RB3#0                 | 23.95                           | -6.3               | -8.45              | 15.50     | 0.035   | 7.00      | Pass    |
|                            |              |           | RB3#2                 | 23.97                           | -6.3               | -8.45              | 15.52     | 0.036   | 7.00      | Pass    |
|                            |              |           | RB3#3                 | 23.93                           | -6.3               | -8.45              | 15.48     | 0.035   | 7.00      | Pass    |
|                            |              |           | RB6#0                 | 22.93                           | -6.3               | -8.45              | 14.48     | 0.028   | 7.00      | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 23.07                           | -6.3               | -8.45              | 14.62     | 0.029   | 7.00      | Pass    |
|                            |              |           | RB1#3                 | 23.07                           | -6.3               | -8.45              | 14.62     | 0.029   | 7.00      | Pass    |
|                            |              |           | RB1#5                 | 23.06                           | -6.3               | -8.45              | 14.61     | 0.029   | 7.00      | Pass    |
|                            |              |           | RB3#0                 | 23.06                           | -6.3               | -8.45              | 14.61     | 0.029   | 7.00      | Pass    |
|                            |              |           | RB3#2                 | 23.01                           | -6.3               | -8.45              | 14.56     | 0.029   | 7.00      | Pass    |
|                            |              |           | RB3#3                 | 23                              | -6.3               | -8.45              | 14.55     | 0.029   | 7.00      | Pass    |
|                            |              |           | RB6#0                 | 22.05                           | -6.3               | -8.45              | 13.60     | 0.023   | 7.00      | Pass    |
|                            | MCH          | QPSK      | RB1#0                 | 23.83                           | -6.3               | -8.45              | 15.38     | 0.035   | 7.00      | Pass    |
|                            |              |           | RB1#3                 | 23.81                           | -6.3               | -8.45              | 15.36     | 0.034   | 7.00      | Pass    |
|                            |              |           | RB1#5                 | 23.81                           | -6.3               | -8.45              | 15.36     | 0.034   | 7.00      | Pass    |
|                            |              |           | RB3#0                 | 23.85                           | -6.3               | -8.45              | 15.40     | 0.035   | 7.00      | Pass    |
|                            |              |           | RB3#2                 | 23.87                           | -6.3               | -8.45              | 15.42     | 0.035   | 7.00      | Pass    |
|                            |              |           | RB3#3                 | 23.84                           | -6.3               | -8.45              | 15.39     | 0.035   | 7.00      | Pass    |
|                            |              |           | RB6#0                 | 22.9                            | -6.3               | -8.45              | 14.45     | 0.028   | 7.00      | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 23.29                           | -6.3               | -8.45              | 14.84     | 0.030   | 7.00      | Pass    |
|                            |              |           | RB1#3                 | 23.25                           | -6.3               | -8.45              | 14.80     | 0.030   | 7.00      | Pass    |
|                            |              |           | RB1#5                 | 23.29                           | -6.3               | -8.45              | 14.84     | 0.030   | 7.00      | Pass    |
|                            |              |           | RB3#0                 | 23.07                           | -6.3               | -8.45              | 14.62     | 0.029   | 7.00      | Pass    |
|                            |              |           | RB3#2                 | 23.05                           | -6.3               | -8.45              | 14.60     | 0.029   | 7.00      | Pass    |
|                            |              |           | RB3#3                 | 23.06                           | -6.3               | -8.45              | 14.61     | 0.029   | 7.00      | Pass    |
|                            |              |           | RB6#0                 | 21.79                           | -6.3               | -8.45              | 13.34     | 0.022   | 7.00      | Pass    |
|                            | HCH          | QPSK      | RB1#0                 | 23.77                           | -6.3               | -8.45              | 15.32     | 0.034   | 7.00      | Pass    |
|                            |              |           | RB1#3                 | 23.8                            | -6.3               | -8.45              | 15.35     | 0.034   | 7.00      | Pass    |
|                            |              |           | RB1#5                 | 23.79                           | -6.3               | -8.45              | 15.34     | 0.034   | 7.00      | Pass    |
|                            |              |           | RB3#0                 | 23.9                            | -6.3               | -8.45              | 15.45     | 0.035   | 7.00      | Pass    |
|                            |              |           | RB3#2                 | 23.89                           | -6.3               | -8.45              | 15.44     | 0.035   | 7.00      | Pass    |
|                            |              |           | RB3#3                 | 23.88                           | -6.3               | -8.45              | 15.43     | 0.035   | 7.00      | Pass    |
|                            |              |           | RB6#0                 | 22.86                           | -6.3               | -8.45              | 14.41     | 0.028   | 7.00      | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 22.91                           | -6.3               | -8.45              | 14.46     | 0.028   | 7.00      | Pass    |
| RB1#3                      |              |           | 22.92                 | -6.3                            | -8.45              | 14.47              | 0.028     | 7.00    | Pass      |         |
| RB1#5                      |              |           | 22.97                 | -6.3                            | -8.45              | 14.52              | 0.028     | 7.00    | Pass      |         |
| RB3#0                      |              |           | 23.05                 | -6.3                            | -8.45              | 14.60              | 0.029     | 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 BAND26 (Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |      |      |
| 3 MHz                      |              |           | RB3#2                 | 23.03                           | -6.3               | -8.45              | 14.58     | 0.029   | 7.00      | Pass    |      |      |
|                            |              |           | RB3#3                 | 23.02                           | -6.3               | -8.45              | 14.57     | 0.029   | 7.00      | Pass    |      |      |
|                            |              |           | RB6#0                 | 22.02                           | -6.3               | -8.45              | 13.57     | 0.023   | 7.00      | Pass    |      |      |
|                            | LCH          | QPSK      | RB1#0                 | 23.95                           | -6.3               | -8.45              | 15.50     | 0.035   | 7.00      | Pass    |      |      |
|                            |              |           | RB1#7                 | 23.92                           | -6.3               | -8.45              | 15.47     | 0.035   | 7.00      | Pass    |      |      |
|                            |              |           | RB1#14                | 23.87                           | -6.3               | -8.45              | 15.42     | 0.035   | 7.00      | Pass    |      |      |
|                            |              |           | RB8#0                 | 22.9                            | -6.3               | -8.45              | 14.45     | 0.028   | 7.00      | Pass    |      |      |
|                            |              |           | RB8#4                 | 22.88                           | -6.3               | -8.45              | 14.43     | 0.028   | 7.00      | Pass    |      |      |
|                            |              |           | RB8#7                 | 22.86                           | -6.3               | -8.45              | 14.41     | 0.028   | 7.00      | Pass    |      |      |
|                            |              |           | RB15#0                | 22.85                           | -6.3               | -8.45              | 14.40     | 0.028   | 7.00      | Pass    |      |      |
|                            |              |           | 16-QAM                | RB1#0                           | 22.89              | -6.3               | -8.45     | 14.44   | 0.028     | 7.00    | Pass |      |
|                            |              |           |                       | RB1#7                           | 22.79              | -6.3               | -8.45     | 14.34   | 0.027     | 7.00    | Pass |      |
|                            |              | RB1#14    |                       | 22.76                           | -6.3               | -8.45              | 14.31     | 0.027   | 7.00      | Pass    |      |      |
|                            |              | RB8#0     |                       | 22.03                           | -6.3               | -8.45              | 13.58     | 0.023   | 7.00      | Pass    |      |      |
|                            |              | RB8#4     |                       | 22.01                           | -6.3               | -8.45              | 13.56     | 0.023   | 7.00      | Pass    |      |      |
|                            |              | RB8#7     |                       | 21.99                           | -6.3               | -8.45              | 13.54     | 0.023   | 7.00      | Pass    |      |      |
|                            |              | RB15#0    |                       | 21.93                           | -6.3               | -8.45              | 13.48     | 0.022   | 7.00      | Pass    |      |      |
|                            |              | MCH       |                       | QPSK                            | RB1#0              | 23.84              | -6.3      | -8.45   | 15.39     | 0.035   | 7.00 | Pass |
|                            |              |           |                       |                                 | RB1#7              | 23.81              | -6.3      | -8.45   | 15.36     | 0.034   | 7.00 | Pass |
|                            |              |           | RB1#14                |                                 | 23.85              | -6.3               | -8.45     | 15.40   | 0.035     | 7.00    | Pass |      |
|                            |              |           | RB8#0                 |                                 | 22.88              | -6.3               | -8.45     | 14.43   | 0.028     | 7.00    | Pass |      |
|                            | RB8#4        |           | 22.89                 |                                 | -6.3               | -8.45              | 14.44     | 0.028   | 7.00      | Pass    |      |      |
|                            | RB8#7        |           | 22.92                 |                                 | -6.3               | -8.45              | 14.47     | 0.028   | 7.00      | Pass    |      |      |
|                            | RB15#0       |           | 22.89                 |                                 | -6.3               | -8.45              | 14.44     | 0.028   | 7.00      | Pass    |      |      |
|                            | 16-QAM       |           | RB1#0                 |                                 | 23.29              | -6.3               | -8.45     | 14.84   | 0.030     | 7.00    | Pass |      |
|                            |              |           | RB1#7                 |                                 | 23.29              | -6.3               | -8.45     | 14.84   | 0.030     | 7.00    | Pass |      |
|                            |              |           | RB1#14                | 23.3                            | -6.3               | -8.45              | 14.85     | 0.031   | 7.00      | Pass    |      |      |
|                            |              |           | RB8#0                 | 21.98                           | -6.3               | -8.45              | 13.53     | 0.023   | 7.00      | Pass    |      |      |
|                            |              |           | RB8#4                 | 21.95                           | -6.3               | -8.45              | 13.50     | 0.022   | 7.00      | Pass    |      |      |
|                            |              |           | RB8#7                 | 22                              | -6.3               | -8.45              | 13.55     | 0.023   | 7.00      | Pass    |      |      |
| RB15#0                     |              |           | 21.95                 | -6.3                            | -8.45              | 13.50              | 0.022     | 7.00    | Pass      |         |      |      |
| HCH                        |              |           | QPSK                  | RB1#0                           | 23.79              | -6.3               | -8.45     | 15.34   | 0.034     | 7.00    | Pass |      |
|                            |              |           |                       | RB1#7                           | 23.82              | -6.3               | -8.45     | 15.37   | 0.034     | 7.00    | Pass |      |
|                            | RB1#14       |           |                       | 23.82                           | -6.3               | -8.45              | 15.37     | 0.034   | 7.00      | Pass    |      |      |
|                            | RB8#0        |           |                       | 22.92                           | -6.3               | -8.45              | 14.47     | 0.028   | 7.00      | Pass    |      |      |
|                            | RB8#4        | 22.89     |                       | -6.3                            | -8.45              | 14.44              | 0.028     | 7.00    | Pass      |         |      |      |
|                            | RB8#7        | 22.84     |                       | -6.3                            | -8.45              | 14.39              | 0.027     | 7.00    | Pass      |         |      |      |
|                            | RB15#0       | 22.88     |                       | -6.3                            | -8.45              | 14.43              | 0.028     | 7.00    | Pass      |         |      |      |
|                            | 16-QAM       | RB1#0     | 22.92                 | -6.3                            | -8.45              | 14.47              | 0.028     | 7.00    | Pass      |         |      |      |
|                            |              | RB1#7     | 22.91                 | -6.3                            | -8.45              | 14.46              | 0.028     | 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 BAND26 (Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 5 MHz                      |              |           | RB1#14                | 22.92                           | -6.3               | -8.45              | 14.47     | 0.028   | 7.00      | Pass    |
|                            |              |           | RB8#0                 | 21.96                           | -6.3               | -8.45              | 13.51     | 0.022   | 7.00      | Pass    |
|                            |              |           | RB8#4                 | 21.92                           | -6.3               | -8.45              | 13.47     | 0.022   | 7.00      | Pass    |
|                            |              |           | RB8#7                 | 21.93                           | -6.3               | -8.45              | 13.48     | 0.022   | 7.00      | Pass    |
|                            |              |           | RB15#0                | 21.81                           | -6.3               | -8.45              | 13.36     | 0.022   | 7.00      | Pass    |
|                            | LCH          | QPSK      | RB1#0                 | 24.19                           | -6.3               | -8.45              | 15.74     | 0.037   | 7.00      | Pass    |
|                            |              |           | RB1#13                | 24.09                           | -6.3               | -8.45              | 15.64     | 0.037   | 7.00      | Pass    |
|                            |              |           | RB1#24                | 24.09                           | -6.3               | -8.45              | 15.64     | 0.037   | 7.00      | Pass    |
|                            |              |           | RB12#0                | 22.98                           | -6.3               | -8.45              | 14.53     | 0.028   | 7.00      | Pass    |
|                            |              |           | RB12#6                | 22.9                            | -6.3               | -8.45              | 14.45     | 0.028   | 7.00      | Pass    |
|                            |              |           | RB12#13               | 22.84                           | -6.3               | -8.45              | 14.39     | 0.027   | 7.00      | Pass    |
|                            |              |           | RB25#0                | 22.88                           | -6.3               | -8.45              | 14.43     | 0.028   | 7.00      | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 23.25                           | -6.3               | -8.45              | 14.80     | 0.030   | 7.00      | Pass    |
|                            |              |           | RB1#13                | 23.21                           | -6.3               | -8.45              | 14.76     | 0.030   | 7.00      | Pass    |
|                            |              |           | RB1#24                | 23.2                            | -6.3               | -8.45              | 14.75     | 0.030   | 7.00      | Pass    |
|                            |              |           | RB12#0                | 22.02                           | -6.3               | -8.45              | 13.57     | 0.023   | 7.00      | Pass    |
|                            |              |           | RB12#6                | 21.97                           | -6.3               | -8.45              | 13.52     | 0.022   | 7.00      | Pass    |
|                            |              |           | RB12#13               | 21.88                           | -6.3               | -8.45              | 13.43     | 0.022   | 7.00      | Pass    |
|                            | MCH          | QPSK      | RB1#0                 | 23.89                           | -6.3               | -8.45              | 15.44     | 0.035   | 7.00      | Pass    |
|                            |              |           | RB1#13                | 23.91                           | -6.3               | -8.45              | 15.46     | 0.035   | 7.00      | Pass    |
|                            |              |           | RB1#24                | 23.96                           | -6.3               | -8.45              | 15.51     | 0.036   | 7.00      | Pass    |
|                            |              |           | RB12#0                | 22.92                           | -6.3               | -8.45              | 14.47     | 0.028   | 7.00      | Pass    |
|                            |              |           | RB12#6                | 22.94                           | -6.3               | -8.45              | 14.49     | 0.028   | 7.00      | Pass    |
|                            |              |           | RB12#13               | 22.95                           | -6.3               | -8.45              | 14.50     | 0.028   | 7.00      | Pass    |
|                            |              |           | RB25#0                | 22.95                           | -6.3               | -8.45              | 14.50     | 0.028   | 7.00      | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 23.54                           | -6.3               | -8.45              | 15.09     | 0.032   | 7.00      | Pass    |
|                            |              |           | RB1#13                | 23.46                           | -6.3               | -8.45              | 15.01     | 0.032   | 7.00      | Pass    |
|                            |              |           | RB1#24                | 23.47                           | -6.3               | -8.45              | 15.02     | 0.032   | 7.00      | Pass    |
| RB12#0                     |              |           | 22.05                 | -6.3                            | -8.45              | 13.60              | 0.023     | 7.00    | Pass      |         |
| RB12#6                     |              |           | 22.06                 | -6.3                            | -8.45              | 13.61              | 0.023     | 7.00    | Pass      |         |
| RB12#13                    |              |           | 22.04                 | -6.3                            | -8.45              | 13.59              | 0.023     | 7.00    | Pass      |         |
| HCH                        | QPSK         | RB25#0    | 22                    | -6.3                            | -8.45              | 13.55              | 0.023     | 7.00    | Pass      |         |
|                            |              | RB1#0     | 23.85                 | -6.3                            | -8.45              | 15.40              | 0.035     | 7.00    | Pass      |         |
|                            |              | RB1#13    | 23.83                 | -6.3                            | -8.45              | 15.38              | 0.035     | 7.00    | Pass      |         |
|                            |              | RB1#24    | 23.84                 | -6.3                            | -8.45              | 15.39              | 0.035     | 7.00    | Pass      |         |
|                            |              | RB12#0    | 22.86                 | -6.3                            | -8.45              | 14.41              | 0.028     | 7.00    | Pass      |         |
|                            |              | RB12#6    | 22.82                 | -6.3                            | -8.45              | 14.37              | 0.027     | 7.00    | Pass      |         |
|                            |              | RB12#13   | 22.77                 | -6.3                            | -8.45              | 14.32              | 0.027     | 7.00    | Pass      |         |
| RB25#0                     | 22.86        | -6.3      | -8.45                 | 14.41                           | 0.028              | 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 BAND26 (Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 10 MHz                     |              | 16-QAM    | RB1#0                 | 22.84                           | -6.3               | -8.45              | 14.39     | 0.027   | 7.00      | Pass    |
|                            |              |           | RB1#13                | 22.79                           | -6.3               | -8.45              | 14.34     | 0.027   | 7.00      | Pass    |
|                            |              |           | RB1#24                | 22.86                           | -6.3               | -8.45              | 14.41     | 0.028   | 7.00      | Pass    |
|                            |              |           | RB12#0                | 21.92                           | -6.3               | -8.45              | 13.47     | 0.022   | 7.00      | Pass    |
|                            |              |           | RB12#6                | 21.86                           | -6.3               | -8.45              | 13.41     | 0.022   | 7.00      | Pass    |
|                            |              |           | RB12#13               | 21.79                           | -6.3               | -8.45              | 13.34     | 0.022   | 7.00      | Pass    |
|                            |              |           | RB25#0                | 21.8                            | -6.3               | -8.45              | 13.35     | 0.022   | 7.00      | Pass    |
|                            | LCH          | QPSK      | RB1#0                 | 23.99                           | -6.3               | -8.45              | 15.54     | 0.036   | 7.00      | Pass    |
|                            |              |           | RB1#25                | 23.94                           | -6.3               | -8.45              | 15.49     | 0.035   | 7.00      | Pass    |
|                            |              |           | RB1#49                | 23.91                           | -6.3               | -8.45              | 15.46     | 0.035   | 7.00      | Pass    |
|                            |              |           | RB25#0                | 23.01                           | -6.3               | -8.45              | 14.56     | 0.029   | 7.00      | Pass    |
|                            |              |           | RB25#13               | 22.93                           | -6.3               | -8.45              | 14.48     | 0.028   | 7.00      | Pass    |
|                            |              |           | RB25#25               | 22.86                           | -6.3               | -8.45              | 14.41     | 0.028   | 7.00      | Pass    |
|                            |              |           | RB50#0                | 22.94                           | -6.3               | -8.45              | 14.49     | 0.028   | 7.00      | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 22.88                           | -6.3               | -8.45              | 14.43     | 0.028   | 7.00      | Pass    |
|                            |              |           | RB1#25                | 22.8                            | -6.3               | -8.45              | 14.35     | 0.027   | 7.00      | Pass    |
|                            |              |           | RB1#49                | 22.77                           | -6.3               | -8.45              | 14.32     | 0.027   | 7.00      | Pass    |
|                            |              |           | RB25#0                | 22.03                           | -6.3               | -8.45              | 13.58     | 0.023   | 7.00      | Pass    |
|                            |              |           | RB25#13               | 21.95                           | -6.3               | -8.45              | 13.50     | 0.022   | 7.00      | Pass    |
|                            |              |           | RB25#25               | 21.91                           | -6.3               | -8.45              | 13.46     | 0.022   | 7.00      | Pass    |
|                            |              |           | RB50#0                | 21.93                           | -6.3               | -8.45              | 13.48     | 0.022   | 7.00      | Pass    |
|                            | MCH          | QPSK      | RB1#0                 | 23.89                           | -6.3               | -8.45              | 15.44     | 0.035   | 7.00      | Pass    |
|                            |              |           | RB1#25                | 23.87                           | -6.3               | -8.45              | 15.42     | 0.035   | 7.00      | Pass    |
|                            |              |           | RB1#49                | 23.85                           | -6.3               | -8.45              | 15.40     | 0.035   | 7.00      | Pass    |
|                            |              |           | RB25#0                | 22.89                           | -6.3               | -8.45              | 14.44     | 0.028   | 7.00      | Pass    |
|                            |              |           | RB25#13               | 22.9                            | -6.3               | -8.45              | 14.45     | 0.028   | 7.00      | Pass    |
|                            |              |           | RB25#25               | 22.97                           | -6.3               | -8.45              | 14.52     | 0.028   | 7.00      | Pass    |
|                            |              |           | RB50#0                | 22.93                           | -6.3               | -8.45              | 14.48     | 0.028   | 7.00      | Pass    |
| 16-QAM                     |              | RB1#0     | 23.28                 | -6.3                            | -8.45              | 14.83              | 0.030     | 7.00    | Pass      |         |
|                            |              | RB1#25    | 23.3                  | -6.3                            | -8.45              | 14.85              | 0.031     | 7.00    | Pass      |         |
|                            |              | RB1#49    | 23.27                 | -6.3                            | -8.45              | 14.82              | 0.030     | 7.00    | Pass      |         |
|                            |              | RB25#0    | 21.97                 | -6.3                            | -8.45              | 13.52              | 0.022     | 7.00    | Pass      |         |
|                            |              | RB25#13   | 21.99                 | -6.3                            | -8.45              | 13.54              | 0.023     | 7.00    | Pass      |         |
|                            |              | RB25#25   | 22.05                 | -6.3                            | -8.45              | 13.60              | 0.023     | 7.00    | Pass      |         |
|                            |              | RB50#0    | 21.95                 | -6.3                            | -8.45              | 13.50              | 0.022     | 7.00    | Pass      |         |
| HCH                        | QPSK         | RB1#0     | 23.86                 | -6.3                            | -8.45              | 15.41              | 0.035     | 7.00    | Pass      |         |
|                            |              | RB1#25    | 23.77                 | -6.3                            | -8.45              | 15.32              | 0.034     | 7.00    | Pass      |         |
|                            |              | RB1#49    | 23.77                 | -6.3                            | -8.45              | 15.32              | 0.034     | 7.00    | Pass      |         |
|                            |              | RB25#0    | 22.86                 | -6.3                            | -8.45              | 14.41              | 0.028     | 7.00    | Pass      |         |
|                            |              | RB25#13   | 22.81                 | -6.3                            | -8.45              | 14.36              | 0.027     | 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 BAND26 (Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |      |      |
|                            |              | 16-QAM    | RB25#25               | 22.71                           | -6.3               | -8.45              | 14.26     | 0.027   | 7.00      | Pass    |      |      |
|                            |              |           | RB50#0                | 22.83                           | -6.3               | -8.45              | 14.38     | 0.027   | 7.00      | Pass    |      |      |
|                            |              |           | RB1#0                 | 22.91                           | -6.3               | -8.45              | 14.46     | 0.028   | 7.00      | Pass    |      |      |
|                            |              |           | RB1#25                | 22.82                           | -6.3               | -8.45              | 14.37     | 0.027   | 7.00      | Pass    |      |      |
|                            |              |           | RB1#49                | 22.82                           | -6.3               | -8.45              | 14.37     | 0.027   | 7.00      | Pass    |      |      |
|                            |              |           | RB25#0                | 21.93                           | -6.3               | -8.45              | 13.48     | 0.022   | 7.00      | Pass    |      |      |
|                            |              |           | RB25#13               | 21.94                           | -6.3               | -8.45              | 13.49     | 0.022   | 7.00      | Pass    |      |      |
|                            |              |           | RB25#25               | 21.8                            | -6.3               | -8.45              | 13.35     | 0.022   | 7.00      | Pass    |      |      |
|                            |              | RB50#0    | 21.83                 | -6.3                            | -8.45              | 13.38              | 0.022     | 7.00    | Pass      |         |      |      |
|                            |              | 15 MHz    | LCH                   | QPSK                            | RB1#0              | 23.84              | -6.3      | -8.45   | 15.39     | 0.035   | 7.00 | Pass |
|                            |              |           |                       |                                 | RB1#38             | 23.84              | -6.3      | -8.45   | 15.39     | 0.035   | 7.00 | Pass |
|                            |              |           |                       |                                 | RB1#74             | 23.7               | -6.3      | -8.45   | 15.25     | 0.033   | 7.00 | Pass |
|                            |              |           |                       |                                 | RB36#0             | 22.9               | -6.3      | -8.45   | 14.45     | 0.028   | 7.00 | Pass |
|                            |              |           |                       |                                 | RB36#19            | 22.81              | -6.3      | -8.45   | 14.36     | 0.027   | 7.00 | Pass |
|                            |              |           |                       |                                 | RB36#39            | 22.81              | -6.3      | -8.45   | 14.36     | 0.027   | 7.00 | Pass |
|                            |              |           |                       |                                 | RB75#0             | 22.89              | -6.3      | -8.45   | 14.44     | 0.028   | 7.00 | Pass |
| 16-QAM                     | RB1#0        |           |                       | 22.77                           | -6.3               | -8.45              | 14.32     | 0.027   | 7.00      | Pass    |      |      |
|                            | RB1#38       |           |                       | 22.74                           | -6.3               | -8.45              | 14.29     | 0.027   | 7.00      | Pass    |      |      |
|                            | RB1#74       |           |                       | 22.65                           | -6.3               | -8.45              | 14.20     | 0.026   | 7.00      | Pass    |      |      |
|                            | RB36#0       |           |                       | 21.88                           | -6.3               | -8.45              | 13.43     | 0.022   | 7.00      | Pass    |      |      |
|                            | RB36#19      |           |                       | 21.81                           | -6.3               | -8.45              | 13.36     | 0.022   | 7.00      | Pass    |      |      |
|                            | RB36#39      |           |                       | 21.83                           | -6.3               | -8.45              | 13.38     | 0.022   | 7.00      | Pass    |      |      |
| MCH                        | QPSK         |           |                       | RB1#0                           | 23.76              | -6.3               | -8.45     | 15.31   | 0.034     | 7.00    | Pass |      |
|                            |              |           |                       | RB1#38                          | 23.81              | -6.3               | -8.45     | 15.36   | 0.034     | 7.00    | Pass |      |
|                            |              |           |                       | RB1#74                          | 23.65              | -6.3               | -8.45     | 15.20   | 0.033     | 7.00    | Pass |      |
|                            |              | RB36#0    | 22.81                 | -6.3                            | -8.45              | 14.36              | 0.027     | 7.00    | Pass      |         |      |      |
|                            |              | RB36#19   | 22.84                 | -6.3                            | -8.45              | 14.39              | 0.027     | 7.00    | Pass      |         |      |      |
|                            |              | RB36#39   | 22.82                 | -6.3                            | -8.45              | 14.37              | 0.027     | 7.00    | Pass      |         |      |      |
|                            |              | RB75#0    | 22.88                 | -6.3                            | -8.45              | 14.43              | 0.028     | 7.00    | Pass      |         |      |      |
|                            | 16-QAM       | RB1#0     | 23.16                 | -6.3                            | -8.45              | 14.71              | 0.030     | 7.00    | Pass      |         |      |      |
|                            |              | RB1#38    | 23.23                 | -6.3                            | -8.45              | 14.78              | 0.030     | 7.00    | Pass      |         |      |      |
|                            |              | RB1#74    | 23.06                 | -6.3                            | -8.45              | 14.61              | 0.029     | 7.00    | Pass      |         |      |      |
|                            |              | RB36#0    | 21.9                  | -6.3                            | -8.45              | 13.45              | 0.022     | 7.00    | Pass      |         |      |      |
|                            |              | RB36#19   | 21.88                 | -6.3                            | -8.45              | 13.43              | 0.022     | 7.00    | Pass      |         |      |      |
|                            |              | RB36#39   | 21.89                 | -6.3                            | -8.45              | 13.44              | 0.022     | 7.00    | Pass      |         |      |      |
|                            |              | RB75#0    | 21.87                 | -6.3                            | -8.45              | 13.42              | 0.022     | 7.00    | Pass      |         |      |      |
|                            | HCH          | QPSK      | RB1#0                 | 23.73                           | -6.3               | -8.45              | 15.28     | 0.034   | 7.00      | Pass    |      |      |
|                            |              |           | RB1#38                | 23.76                           | -6.3               | -8.45              | 15.31     | 0.034   | 7.00      | Pass    |      |      |
| RB1#74                     |              |           | 23.61                 | -6.3                            | -8.45              | 15.16              | 0.033     | 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 BAND26 (Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                            |              |           | RB36#0                | 22.77                           | -6.3               | -8.45              | 14.32     | 0.027   | 7.00      | Pass    |
|                            |              |           | RB36#19               | 22.8                            | -6.3               | -8.45              | 14.35     | 0.027   | 7.00      | Pass    |
|                            |              |           | RB36#39               | 22.69                           | -6.3               | -8.45              | 14.24     | 0.027   | 7.00      | Pass    |
|                            |              |           | RB75#0                | 22.77                           | -6.3               | -8.45              | 14.32     | 0.027   | 7.00      | Pass    |
|                            |              | 16-QAM    | RB1#0                 | 23.19                           | -6.3               | -8.45              | 14.74     | 0.030   | 7.00      | Pass    |
|                            |              |           | RB1#38                | 23.22                           | -6.3               | -8.45              | 14.77     | 0.030   | 7.00      | Pass    |
|                            |              |           | RB1#74                | 23.09                           | -6.3               | -8.45              | 14.64     | 0.029   | 7.00      | Pass    |
|                            |              |           | RB36#0                | 21.77                           | -6.3               | -8.45              | 13.32     | 0.021   | 7.00      | Pass    |
|                            |              |           | RB36#19               | 21.78                           | -6.3               | -8.45              | 13.33     | 0.022   | 7.00      | Pass    |
|                            |              |           | RB36#39               | 21.7                            | -6.3               | -8.45              | 13.25     | 0.021   | 7.00      | Pass    |
|                            |              |           | RB75#0                | 21.73                           | -6.3               | -8.45              | 13.28     | 0.021   | 7.00      | Pass    |

| Test BW                    | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|----------------------------|--------------|-----------|------------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND26 (Part90)</b> |              |           |                        |                                 |                    |                    |           |         |           |         |
| 1.4 MHz                    | LCH          | QPSK      | RB1#0                  | 23.79                           | -6.3               | -8.45              | 15.34     | 0.034   | 100.0     | Pass    |
|                            |              |           | RB1#3                  | 23.76                           | -6.3               | -8.45              | 15.31     | 0.034   | 100.0     | Pass    |
|                            |              |           | RB1#5                  | 23.76                           | -6.3               | -8.45              | 15.31     | 0.034   | 100.0     | Pass    |
|                            |              |           | RB3#0                  | 23.93                           | -6.3               | -8.45              | 15.48     | 0.035   | 100.0     | Pass    |
|                            |              |           | RB3#2                  | 23.96                           | -6.3               | -8.45              | 15.51     | 0.036   | 100.0     | Pass    |
|                            |              |           | RB3#3                  | 23.95                           | -6.3               | -8.45              | 15.50     | 0.035   | 100.0     | Pass    |
|                            |              |           | RB6#0                  | 22.9                            | -6.3               | -8.45              | 14.45     | 0.028   | 100.0     | Pass    |
|                            |              | 16-QAM    | RB1#0                  | 23.02                           | -6.3               | -8.45              | 14.57     | 0.029   | 100.0     | Pass    |
|                            |              |           | RB1#3                  | 23.04                           | -6.3               | -8.45              | 14.59     | 0.029   | 100.0     | Pass    |
|                            |              |           | RB1#5                  | 23.03                           | -6.3               | -8.45              | 14.58     | 0.029   | 100.0     | Pass    |
|                            |              |           | RB3#0                  | 23                              | -6.3               | -8.45              | 14.55     | 0.029   | 100.0     | Pass    |
|                            |              |           | RB3#2                  | 22.99                           | -6.3               | -8.45              | 14.54     | 0.028   | 100.0     | Pass    |
|                            |              |           | RB3#3                  | 23                              | -6.3               | -8.45              | 14.55     | 0.029   | 100.0     | Pass    |
|                            |              |           | RB6#0                  | 22.08                           | -6.3               | -8.45              | 13.63     | 0.023   | 100.0     | Pass    |
|                            | MCH          | QPSK      | RB1#0                  | 23.88                           | -6.3               | -8.45              | 15.43     | 0.035   | 100.0     | Pass    |
|                            |              |           | RB1#3                  | 23.88                           | -6.3               | -8.45              | 15.43     | 0.035   | 100.0     | Pass    |
|                            |              |           | RB1#5                  | 23.86                           | -6.3               | -8.45              | 15.41     | 0.035   | 100.0     | Pass    |
|                            |              |           | RB3#0                  | 23.93                           | -6.3               | -8.45              | 15.48     | 0.035   | 100.0     | Pass    |
|                            |              |           | RB3#2                  | 23.92                           | -6.3               | -8.45              | 15.47     | 0.035   | 100.0     | Pass    |
|                            |              |           | RB3#3                  | 23.95                           | -6.3               | -8.45              | 15.50     | 0.035   | 100.0     | Pass    |
|                            |              |           | RB6#0                  | 22.96                           | -6.3               | -8.45              | 14.51     | 0.028   | 100.0     | Pass    |
|                            |              | 16-QAM    | RB1#0                  | 23.36                           | -6.3               | -8.45              | 14.91     | 0.031   | 100.0     | Pass    |
|                            |              |           | RB1#3                  | 23.32                           | -6.3               | -8.45              | 14.87     | 0.031   | 100.0     | Pass    |
|                            |              |           | RB1#5                  | 23.34                           | -6.3               | -8.45              | 14.89     | 0.031   | 100.0     | Pass    |
|                            |              |           | RB3#0                  | 23.16                           | -6.3               | -8.45              | 14.71     | 0.030   | 100.0     | Pass    |
|                            |              |           | RB3#2                  | 23.11                           | -6.3               | -8.45              | 14.66     | 0.029   | 100.0     | Pass    |
|                            |              |           | RB3#3                  | 23.11                           | -6.3               | -8.45              | 14.66     | 0.029   | 100.0     | Pass    |
|                            |              |           | RB6#0                  | 21.86                           | -6.3               | -8.45              | 13.41     | 0.022   | 100.0     | Pass    |
|                            | HCH          | QPSK      | RB1#0                  | 23.85                           | -6.3               | -8.45              | 15.40     | 0.035   | 100.0     | Pass    |
|                            |              |           | RB1#3                  | 23.88                           | -6.3               | -8.45              | 15.43     | 0.035   | 100.0     | Pass    |
|                            |              |           | RB1#5                  | 23.89                           | -6.3               | -8.45              | 15.44     | 0.035   | 100.0     | Pass    |
|                            |              |           | RB3#0                  | 23.96                           | -6.3               | -8.45              | 15.51     | 0.036   | 100.0     | Pass    |
|                            |              |           | RB3#2                  | 23.97                           | -6.3               | -8.45              | 15.52     | 0.036   | 100.0     | Pass    |
|                            |              |           | RB3#3                  | 23.95                           | -6.3               | -8.45              | 15.50     | 0.035   | 100.0     | Pass    |
|                            |              |           | RB6#0                  | 22.95                           | -6.3               | -8.45              | 14.50     | 0.028   | 100.0     | Pass    |
|                            |              | 16-QAM    | RB1#0                  | 22.95                           | -6.3               | -8.45              | 14.50     | 0.028   | 100.0     | Pass    |
| RB1#3                      |              |           | 22.91                  | -6.3                            | -8.45              | 14.46              | 0.028     | 100.0   | Pass      |         |
| RB1#5                      |              |           | 22.93                  | -6.3                            | -8.45              | 14.48              | 0.028     | 100.0   | Pass      |         |
| RB3#0                      |              |           | 23.09                  | -6.3                            | -8.45              | 14.64              | 0.029     | 100.0   | 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                      |              |           | RB3#2                 | 23.08                           | -6.3               | -8.45              | 14.63     | 0.029   | 100.0     | Pass    |      |
|                            |              |           | RB3#3                 | 23.06                           | -6.3               | -8.45              | 14.61     | 0.029   | 100.0     | Pass    |      |
|                            |              |           | RB6#0                 | 22.1                            | -6.3               | -8.45              | 13.65     | 0.023   | 100.0     | Pass    |      |
|                            | LCH          | QPSK      | RB1#0                 | 23.98                           | -6.3               | -8.45              | 15.53     | 0.036   | 100.0     | Pass    |      |
|                            |              |           | RB1#7                 | 23.95                           | -6.3               | -8.45              | 15.50     | 0.035   | 100.0     | Pass    |      |
|                            |              |           | RB1#14                | 23.94                           | -6.3               | -8.45              | 15.49     | 0.035   | 100.0     | Pass    |      |
|                            |              |           | RB8#0                 | 22.93                           | -6.3               | -8.45              | 14.48     | 0.028   | 100.0     | Pass    |      |
|                            |              |           | RB8#4                 | 22.97                           | -6.3               | -8.45              | 14.52     | 0.028   | 100.0     | Pass    |      |
|                            |              |           | RB8#7                 | 22.93                           | -6.3               | -8.45              | 14.48     | 0.028   | 100.0     | Pass    |      |
|                            |              |           | RB15#0                | 22.93                           | -6.3               | -8.45              | 14.48     | 0.028   | 100.0     | Pass    |      |
|                            |              |           | 16-QAM                | RB1#0                           | 22.87              | -6.3               | -8.45     | 14.42   | 0.028     | 100.0   | Pass |
|                            |              |           |                       | RB1#7                           | 22.85              | -6.3               | -8.45     | 14.40   | 0.028     | 100.0   | Pass |
|                            |              | RB1#14    |                       | 22.83                           | -6.3               | -8.45              | 14.38     | 0.027   | 100.0     | Pass    |      |
|                            |              | RB8#0     |                       | 22.05                           | -6.3               | -8.45              | 13.60     | 0.023   | 100.0     | Pass    |      |
|                            |              | RB8#4     |                       | 22.07                           | -6.3               | -8.45              | 13.62     | 0.023   | 100.0     | Pass    |      |
|                            |              | RB8#7     |                       | 22.06                           | -6.3               | -8.45              | 13.61     | 0.023   | 100.0     | Pass    |      |
|                            |              | MCH       | QPSK                  | RB1#0                           | 23.9               | -6.3               | -8.45     | 15.45   | 0.035     | 100.0   | Pass |
|                            |              |           |                       | RB1#7                           | 23.89              | -6.3               | -8.45     | 15.44   | 0.035     | 100.0   | Pass |
|                            |              |           |                       | RB1#14                          | 23.87              | -6.3               | -8.45     | 15.42   | 0.035     | 100.0   | Pass |
|                            |              |           |                       | RB8#0                           | 22.93              | -6.3               | -8.45     | 14.48   | 0.028     | 100.0   | Pass |
|                            |              |           |                       | RB8#4                           | 22.93              | -6.3               | -8.45     | 14.48   | 0.028     | 100.0   | Pass |
|                            | RB8#7        |           |                       | 22.93                           | -6.3               | -8.45              | 14.48     | 0.028   | 100.0     | Pass    |      |
|                            | RB15#0       |           |                       | 22.92                           | -6.3               | -8.45              | 14.47     | 0.028   | 100.0     | Pass    |      |
|                            | 16-QAM       |           |                       | RB1#0                           | 23.35              | -6.3               | -8.45     | 14.90   | 0.031     | 100.0   | Pass |
|                            |              |           |                       | RB1#7                           | 23.33              | -6.3               | -8.45     | 14.88   | 0.031     | 100.0   | Pass |
|                            |              |           | RB1#14                | 23.37                           | -6.3               | -8.45              | 14.92     | 0.031   | 100.0     | Pass    |      |
|                            |              |           | RB8#0                 | 22.02                           | -6.3               | -8.45              | 13.57     | 0.023   | 100.0     | Pass    |      |
|                            |              |           | RB8#4                 | 22.06                           | -6.3               | -8.45              | 13.61     | 0.023   | 100.0     | Pass    |      |
|                            |              |           | RB8#7                 | 22.02                           | -6.3               | -8.45              | 13.57     | 0.023   | 100.0     | Pass    |      |
|                            | HCH          |           | QPSK                  | RB1#0                           | 23.88              | -6.3               | -8.45     | 15.43   | 0.035     | 100.0   | Pass |
| RB1#7                      |              |           |                       | 23.91                           | -6.3               | -8.45              | 15.46     | 0.035   | 100.0     | Pass    |      |
| RB1#14                     |              |           |                       | 23.91                           | -6.3               | -8.45              | 15.46     | 0.035   | 100.0     | Pass    |      |
| RB8#0                      |              |           |                       | 22.91                           | -6.3               | -8.45              | 14.46     | 0.028   | 100.0     | Pass    |      |
| RB8#4                      |              |           |                       | 22.94                           | -6.3               | -8.45              | 14.49     | 0.028   | 100.0     | Pass    |      |
| RB8#7                      |              | 22.91     |                       | -6.3                            | -8.45              | 14.46              | 0.028     | 100.0   | Pass      |         |      |
| RB15#0                     |              | 22.93     |                       | -6.3                            | -8.45              | 14.48              | 0.028     | 100.0   | Pass      |         |      |
| 16-QAM                     |              | RB1#0     | 23.02                 | -6.3                            | -8.45              | 14.57              | 0.029     | 100.0   | Pass      |         |      |
|                            |              | RB1#7     | 22.95                 | -6.3                            | -8.45              | 14.50              | 0.028     | 100.0   | 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> |              |           |                       |                                 |                    |                    |           |         |           |         |      |
| 5 MHz                      |              |           | RB1#14                | 22.89                           | -6.3               | -8.45              | 14.44     | 0.028   | 100.0     | Pass    |      |
|                            |              |           | RB8#0                 | 21.97                           | -6.3               | -8.45              | 13.52     | 0.022   | 100.0     | Pass    |      |
|                            |              |           | RB8#4                 | 21.98                           | -6.3               | -8.45              | 13.53     | 0.023   | 100.0     | Pass    |      |
|                            |              |           | RB8#7                 | 21.96                           | -6.3               | -8.45              | 13.51     | 0.022   | 100.0     | Pass    |      |
|                            |              |           | RB15#0                | 21.9                            | -6.3               | -8.45              | 13.45     | 0.022   | 100.0     | Pass    |      |
|                            | LCH          | QPSK      | RB1#0                 | 24.18                           | -6.3               | -8.45              | 15.73     | 0.037   | 100.0     | Pass    |      |
|                            |              |           | RB1#13                | 24.19                           | -6.3               | -8.45              | 15.74     | 0.037   | 100.0     | Pass    |      |
|                            |              |           | RB1#24                | 24.13                           | -6.3               | -8.45              | 15.68     | 0.037   | 100.0     | Pass    |      |
|                            |              |           | RB12#0                | 22.99                           | -6.3               | -8.45              | 14.54     | 0.028   | 100.0     | Pass    |      |
|                            |              |           | RB12#6                | 22.98                           | -6.3               | -8.45              | 14.53     | 0.028   | 100.0     | Pass    |      |
|                            |              |           | RB12#13               | 22.96                           | -6.3               | -8.45              | 14.51     | 0.028   | 100.0     | Pass    |      |
|                            |              |           | RB25#0                | 22.97                           | -6.3               | -8.45              | 14.52     | 0.028   | 100.0     | Pass    |      |
|                            |              | 16-QAM    | RB1#0                 | 23.31                           | -6.3               | -8.45              | 14.86     | 0.031   | 100.0     | Pass    |      |
|                            |              |           | RB1#13                | 23.29                           | -6.3               | -8.45              | 14.84     | 0.030   | 100.0     | Pass    |      |
|                            |              |           | RB1#24                | 23.26                           | -6.3               | -8.45              | 14.81     | 0.030   | 100.0     | Pass    |      |
|                            |              |           | RB12#0                | 22                              | -6.3               | -8.45              | 13.55     | 0.023   | 100.0     | Pass    |      |
|                            |              |           | RB12#6                | 22.05                           | -6.3               | -8.45              | 13.60     | 0.023   | 100.0     | Pass    |      |
|                            |              |           | RB12#13               | 22.02                           | -6.3               | -8.45              | 13.57     | 0.023   | 100.0     | Pass    |      |
|                            |              |           | RB25#0                | 22.02                           | -6.3               | -8.45              | 13.57     | 0.023   | 100.0     | Pass    |      |
|                            |              | MCH       | QPSK                  | RB1#0                           | 23.93              | -6.3               | -8.45     | 15.48   | 0.035     | 100.0   | Pass |
|                            |              |           |                       | RB1#13                          | 23.97              | -6.3               | -8.45     | 15.52   | 0.036     | 100.0   | Pass |
|                            |              |           |                       | RB1#24                          | 23.99              | -6.3               | -8.45     | 15.54   | 0.036     | 100.0   | Pass |
|                            |              |           |                       | RB12#0                          | 22.93              | -6.3               | -8.45     | 14.48   | 0.028     | 100.0   | Pass |
|                            | RB12#6       |           |                       | 22.95                           | -6.3               | -8.45              | 14.50     | 0.028   | 100.0     | Pass    |      |
|                            | RB12#13      |           |                       | 22.96                           | -6.3               | -8.45              | 14.51     | 0.028   | 100.0     | Pass    |      |
|                            | RB25#0       |           |                       | 22.93                           | -6.3               | -8.45              | 14.48     | 0.028   | 100.0     | Pass    |      |
|                            | 16-QAM       |           | RB1#0                 | 23.59                           | -6.3               | -8.45              | 15.14     | 0.033   | 100.0     | Pass    |      |
|                            |              |           | RB1#13                | 23.53                           | -6.3               | -8.45              | 15.08     | 0.032   | 100.0     | Pass    |      |
| RB1#24                     |              |           | 23.51                 | -6.3                            | -8.45              | 15.06              | 0.032     | 100.0   | Pass      |         |      |
| RB12#0                     |              |           | 22.05                 | -6.3                            | -8.45              | 13.60              | 0.023     | 100.0   | Pass      |         |      |
| RB12#6                     |              |           | 22.08                 | -6.3                            | -8.45              | 13.63              | 0.023     | 100.0   | Pass      |         |      |
| RB12#13                    |              |           | 22.07                 | -6.3                            | -8.45              | 13.62              | 0.023     | 100.0   | Pass      |         |      |
| HCH                        | QPSK         | RB25#0    | 22.02                 | -6.3                            | -8.45              | 13.57              | 0.023     | 100.0   | Pass      |         |      |
|                            |              | RB1#0     | 24                    | -6.3                            | -8.45              | 15.55              | 0.036     | 100.0   | Pass      |         |      |
|                            |              | RB1#13    | 23.96                 | -6.3                            | -8.45              | 15.51              | 0.036     | 100.0   | Pass      |         |      |
|                            |              | RB1#24    | 24                    | -6.3                            | -8.45              | 15.55              | 0.036     | 100.0   | Pass      |         |      |
|                            |              | RB12#0    | 22.88                 | -6.3                            | -8.45              | 14.43              | 0.028     | 100.0   | Pass      |         |      |
|                            |              | RB12#6    | 22.91                 | -6.3                            | -8.45              | 14.46              | 0.028     | 100.0   | Pass      |         |      |
|                            |              | RB12#13   | 22.97                 | -6.3                            | -8.45              | 14.52              | 0.028     | 100.0   | Pass      |         |      |
| RB25#0                     | 22.96        | -6.3      | -8.45                 | 14.51                           | 0.028              | 100.0              | Pass      |         |           |         |      |

| Test BW                    | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|----------------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE BAND26 (Part90)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 10 MHz                     | MCH          | 16-QAM    | RB1#0                 | 23.01                           | -6.3               | -8.45              | 14.56     | 0.029   | 100.0     | Pass    |
|                            |              |           | RB1#13                | 22.96                           | -6.3               | -8.45              | 14.51     | 0.028   | 100.0     | Pass    |
|                            |              |           | RB1#24                | 23.01                           | -6.3               | -8.45              | 14.56     | 0.029   | 100.0     | Pass    |
|                            |              |           | RB12#0                | 21.96                           | -6.3               | -8.45              | 13.51     | 0.022   | 100.0     | Pass    |
|                            |              |           | RB12#6                | 22                              | -6.3               | -8.45              | 13.55     | 0.023   | 100.0     | Pass    |
|                            |              |           | RB12#13               | 21.98                           | -6.3               | -8.45              | 13.53     | 0.023   | 100.0     | Pass    |
|                            |              |           | RB25#0                | 21.87                           | -6.3               | -8.45              | 13.42     | 0.022   | 100.0     | Pass    |
|                            |              | QPSK      | RB1#0                 | 23.92                           | -6.3               | -8.45              | 15.47     | 0.035   | 100.0     | Pass    |
|                            |              |           | RB1#25                | 23.98                           | -6.3               | -8.45              | 15.53     | 0.036   | 100.0     | Pass    |
|                            |              |           | RB1#49                | 23.94                           | -6.3               | -8.45              | 15.49     | 0.035   | 100.0     | Pass    |
|                            |              |           | RB25#0                | 22.93                           | -6.3               | -8.45              | 14.48     | 0.028   | 100.0     | Pass    |
|                            |              |           | RB25#13               | 22.97                           | -6.3               | -8.45              | 14.52     | 0.028   | 100.0     | Pass    |
|                            |              |           | RB25#25               | 23.04                           | -6.3               | -8.45              | 14.59     | 0.029   | 100.0     | Pass    |
|                            |              |           | RB50#0                | 23.01                           | -6.3               | -8.45              | 14.56     | 0.029   | 100.0     | Pass    |
| 16-QAM                     | RB1#0        | 22.96     | -6.3                  | -8.45                           | 14.51              | 0.028              | 100.0     | Pass    |           |         |
|                            | RB1#25       | 23        | -6.3                  | -8.45                           | 14.55              | 0.029              | 100.0     | Pass    |           |         |
|                            | RB1#49       | 22.98     | -6.3                  | -8.45                           | 14.53              | 0.028              | 100.0     | Pass    |           |         |
|                            | RB25#0       | 22.06     | -6.3                  | -8.45                           | 13.61              | 0.023              | 100.0     | Pass    |           |         |
|                            | RB25#13      | 22.11     | -6.3                  | -8.45                           | 13.66              | 0.023              | 100.0     | Pass    |           |         |
|                            | RB25#25      | 22.15     | -6.3                  | -8.45                           | 13.70              | 0.023              | 100.0     | Pass    |           |         |
|                            | RB50#0       | 22.01     | -6.3                  | -8.45                           | 13.56              | 0.023              | 100.0     | 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                 | 24.03                           | -1.7               | 22.33      | 0.171    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 24.04                           | -1.7               | 22.34      | 0.171    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 24.02                           | -1.7               | 22.32      | 0.171    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 23.12                           | -1.7               | 21.42      | 0.139    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 23.11                           | -1.7               | 21.41      | 0.138    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 23.04                           | -1.7               | 21.34      | 0.136    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 23.06                           | -1.7               | 21.36      | 0.137    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.34                           | -1.7               | 21.64      | 0.146    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 23.39                           | -1.7               | 21.69      | 0.148    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 23.3                            | -1.7               | 21.60      | 0.145    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 22.07                           | -1.7               | 20.37      | 0.109    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 22.02                           | -1.7               | 20.32      | 0.108    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 22                              | -1.7               | 20.30      | 0.107    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 22.08                           | -1.7               | 20.38      | 0.109    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 24.07                           | -1.7               | 22.37      | 0.173    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 24.1                            | -1.7               | 22.40      | 0.174    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 24.08                           | -1.7               | 22.38      | 0.173    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 23.08                           | -1.7               | 21.38      | 0.137    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 23.06                           | -1.7               | 21.36      | 0.137    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 23.06                           | -1.7               | 21.36      | 0.137    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 23.05                           | -1.7               | 21.35      | 0.136    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.37                           | -1.7               | 21.67      | 0.147    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 23.39                           | -1.7               | 21.69      | 0.148    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 23.38                           | -1.7               | 21.68      | 0.147    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 22.18                           | -1.7               | 20.48      | 0.112    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 22.1                            | -1.7               | 20.40      | 0.110    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 22.15                           | -1.7               | 20.45      | 0.111    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 22.08                           | -1.7               | 20.38      | 0.109    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 24.13                           | -1.7               | 22.43      | 0.175    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 24.13                           | -1.7               | 22.43      | 0.175    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 24.13                           | -1.7               | 22.43      | 0.175    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 22.99                           | -1.7               | 21.29      | 0.135    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 22.93                           | -1.7               | 21.23      | 0.133    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 22.97                           | -1.7               | 21.27      | 0.134    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 22.99                           | -1.7               | 21.29      | 0.135    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.23                           | -1.7               | 21.53      | 0.142    | 2.00      | Pass    |
| RB1#13            |              |           | 23.21                 | -1.7                            | 21.51              | 0.142      | 2.00     | Pass      |         |
| RB1#24            |              |           | 23.23                 | -1.7                            | 21.53              | 0.142      | 2.00     | Pass      |         |
| RB12#0            |              |           | 22.02                 | -1.7                            | 20.32              | 0.108      | 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            |              |           | RB12#6                | 22                              | -1.7               | 20.30      | 0.107    | 2.00      | Pass    |      |
|                   |              |           | RB12#13               | 22.02                           | -1.7               | 20.32      | 0.108    | 2.00      | Pass    |      |
|                   |              |           | RB25#0                | 22.02                           | -1.7               | 20.32      | 0.108    | 2.00      | Pass    |      |
|                   | LCH          | QPSK      | RB1#0                 | 24.14                           | -1.7               | 22.44      | 0.175    | 2.00      | Pass    |      |
|                   |              |           | RB1#25                | 24.11                           | -1.7               | 22.41      | 0.174    | 2.00      | Pass    |      |
|                   |              |           | RB1#49                | 24.05                           | -1.7               | 22.35      | 0.172    | 2.00      | Pass    |      |
|                   |              |           | RB25#0                | 23.08                           | -1.7               | 21.38      | 0.137    | 2.00      | Pass    |      |
|                   |              |           | RB25#13               | 23.07                           | -1.7               | 21.37      | 0.137    | 2.00      | Pass    |      |
|                   |              |           | RB25#25               | 23.08                           | -1.7               | 21.38      | 0.137    | 2.00      | Pass    |      |
|                   |              | 16-QAM    | RB50#0                | 23.1                            | -1.7               | 21.40      | 0.138    | 2.00      | Pass    |      |
|                   |              |           | RB1#0                 | 23.38                           | -1.7               | 21.68      | 0.147    | 2.00      | Pass    |      |
|                   |              |           | RB1#25                | 23.32                           | -1.7               | 21.62      | 0.145    | 2.00      | Pass    |      |
|                   |              |           | RB1#49                | 23.32                           | -1.7               | 21.62      | 0.145    | 2.00      | Pass    |      |
|                   |              |           | RB25#0                | 22.1                            | -1.7               | 20.40      | 0.110    | 2.00      | Pass    |      |
|                   |              |           | RB25#13               | 22.06                           | -1.7               | 20.36      | 0.109    | 2.00      | Pass    |      |
|                   |              | MCH       | QPSK                  | RB25#25                         | 22.07              | -1.7       | 20.37    | 0.109     | 2.00    | Pass |
|                   |              |           |                       | RB50#0                          | 22.07              | -1.7       | 20.37    | 0.109     | 2.00    | Pass |
|                   |              |           |                       | RB1#0                           | 24.02              | -1.7       | 22.32    | 0.171     | 2.00    | Pass |
|                   |              |           |                       | RB1#25                          | 24.04              | -1.7       | 22.34    | 0.171     | 2.00    | Pass |
|                   |              |           |                       | RB1#49                          | 23.97              | -1.7       | 22.27    | 0.169     | 2.00    | Pass |
|                   |              |           |                       | RB25#0                          | 23.04              | -1.7       | 21.34    | 0.136     | 2.00    | Pass |
|                   | 16-QAM       |           | RB25#13               | 23.05                           | -1.7               | 21.35      | 0.136    | 2.00      | Pass    |      |
|                   |              |           | RB25#25               | 23.02                           | -1.7               | 21.32      | 0.136    | 2.00      | Pass    |      |
|                   |              |           | RB50#0                | 23.02                           | -1.7               | 21.32      | 0.136    | 2.00      | Pass    |      |
|                   |              |           | RB1#0                 | 23.39                           | -1.7               | 21.69      | 0.148    | 2.00      | Pass    |      |
|                   |              |           | RB1#25                | 23.44                           | -1.7               | 21.74      | 0.149    | 2.00      | Pass    |      |
|                   |              |           | RB1#49                | 23.38                           | -1.7               | 21.68      | 0.147    | 2.00      | Pass    |      |
|                   | HCH          | QPSK      | RB25#0                | 22.08                           | -1.7               | 20.38      | 0.109    | 2.00      | Pass    |      |
|                   |              |           | RB25#13               | 22.06                           | -1.7               | 20.36      | 0.109    | 2.00      | Pass    |      |
|                   |              |           | RB25#25               | 22.05                           | -1.7               | 20.35      | 0.108    | 2.00      | Pass    |      |
| RB50#0            |              |           | 22.02                 | -1.7                            | 20.32              | 0.108      | 2.00     | Pass      |         |      |
| RB1#0             |              |           | 23.98                 | -1.7                            | 22.28              | 0.169      | 2.00     | Pass      |         |      |
| RB1#25            |              |           | 23.96                 | -1.7                            | 22.26              | 0.168      | 2.00     | Pass      |         |      |
| 16-QAM            |              | RB1#49    | 23.95                 | -1.7                            | 22.25              | 0.168      | 2.00     | Pass      |         |      |
|                   |              | RB25#0    | 22.96                 | -1.7                            | 21.26              | 0.134      | 2.00     | Pass      |         |      |
|                   |              | RB1#25    | 23.35                 | -1.7                            | 21.65              | 0.146      | 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> |              |           |                       |                                 |                    |            |          |           |         |
| 15 MHz            |              |           | RB1#49                | 23.38                           | -1.7               | 21.68      | 0.147    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 22.03                           | -1.7               | 20.33      | 0.108    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 22.01                           | -1.7               | 20.31      | 0.107    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 22.02                           | -1.7               | 20.32      | 0.108    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 22                              | -1.7               | 20.30      | 0.107    | 2.00      | Pass    |
|                   | LCH          | QPSK      | RB1#0                 | 24.07                           | -1.7               | 22.37      | 0.173    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 24.08                           | -1.7               | 22.38      | 0.173    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 23.98                           | -1.7               | 22.28      | 0.169    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 23.05                           | -1.7               | 21.35      | 0.136    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 23.03                           | -1.7               | 21.33      | 0.136    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 22.96                           | -1.7               | 21.26      | 0.134    | 2.00      | Pass    |
|                   |              | RB75#0    | 23.01                 | -1.7                            | 21.31              | 0.135      | 2.00     | Pass      |         |
|                   |              | 16-QAM    | RB1#0                 | 23.36                           | -1.7               | 21.66      | 0.147    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 23.35                           | -1.7               | 21.65      | 0.146    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 23.2                            | -1.7               | 21.50      | 0.141    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 22.05                           | -1.7               | 20.35      | 0.108    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 22.02                           | -1.7               | 20.32      | 0.108    | 2.00      | Pass    |
|                   | RB36#39      |           | 22                    | -1.7                            | 20.30              | 0.107      | 2.00     | Pass      |         |
|                   | RB75#0       | 22.04     | -1.7                  | 20.34                           | 0.108              | 2.00       | Pass     |           |         |
|                   | MCH          | QPSK      | RB1#0                 | 24.03                           | -1.7               | 22.33      | 0.171    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 24                              | -1.7               | 22.30      | 0.170    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 23.88                           | -1.7               | 22.18      | 0.165    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 23                              | -1.7               | 21.30      | 0.135    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 23.01                           | -1.7               | 21.31      | 0.135    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 22.98                           | -1.7               | 21.28      | 0.134    | 2.00      | Pass    |
|                   |              | RB75#0    | 22.99                 | -1.7                            | 21.29              | 0.135      | 2.00     | Pass      |         |
|                   |              | 16-QAM    | RB1#0                 | 23.46                           | -1.7               | 21.76      | 0.150    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 23.44                           | -1.7               | 21.74      | 0.149    | 2.00      | Pass    |
| RB1#74            |              |           | 23.34                 | -1.7                            | 21.64              | 0.146      | 2.00     | Pass      |         |
| RB36#0            |              |           | 22.05                 | -1.7                            | 20.35              | 0.108      | 2.00     | Pass      |         |
| RB36#19           |              |           | 21.96                 | -1.7                            | 20.26              | 0.106      | 2.00     | Pass      |         |
| RB36#39           | 22.01        |           | -1.7                  | 20.31                           | 0.107              | 2.00       | Pass     |           |         |
| RB75#0            | 21.98        | -1.7      | 20.28                 | 0.107                           | 2.00               | Pass       |          |           |         |
| HCH               | QPSK         | RB1#0     | 23.98                 | -1.7                            | 22.28              | 0.169      | 2.00     | Pass      |         |
|                   |              | RB1#38    | 23.94                 | -1.7                            | 22.24              | 0.167      | 2.00     | Pass      |         |
|                   |              | RB1#74    | 23.87                 | -1.7                            | 22.17              | 0.165      | 2.00     | Pass      |         |
|                   |              | RB36#0    | 22.95                 | -1.7                            | 21.25              | 0.133      | 2.00     | Pass      |         |
|                   |              | RB36#19   | 22.92                 | -1.7                            | 21.22              | 0.132      | 2.00     | Pass      |         |
|                   |              | RB36#39   | 22.89                 | -1.7                            | 21.19              | 0.132      | 2.00     | Pass      |         |
|                   |              | RB75#0    | 22.91                 | -1.7                            | 21.21              | 0.132      | 2.00     | Pass      |         |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND38</b> |              |           |                       |                                 |                    |            |          |           |         |
| 20 MHz            | LCH          | 16-QAM    | RB1#0                 | 23.24                           | -1.7               | 21.54      | 0.143    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 23.21                           | -1.7               | 21.51      | 0.142    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 23.18                           | -1.7               | 21.48      | 0.141    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 22.01                           | -1.7               | 20.31      | 0.107    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 21.95                           | -1.7               | 20.25      | 0.106    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 21.98                           | -1.7               | 20.28      | 0.107    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 21.9                            | -1.7               | 20.20      | 0.105    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.99                           | -1.7               | 22.29      | 0.169    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 24.01                           | -1.7               | 22.31      | 0.170    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 23.93                           | -1.7               | 22.23      | 0.167    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 23.1                            | -1.7               | 21.40      | 0.138    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 23.1                            | -1.7               | 21.40      | 0.138    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 23.04                           | -1.7               | 21.34      | 0.136    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 23.07                           | -1.7               | 21.37      | 0.137    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.3                            | -1.7               | 21.60      | 0.145    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 23.39                           | -1.7               | 21.69      | 0.148    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 23.25                           | -1.7               | 21.55      | 0.143    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 22.08                           | -1.7               | 20.38      | 0.109    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 22.04                           | -1.7               | 20.34      | 0.108    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 21.98                           | -1.7               | 20.28      | 0.107    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 22.01                           | -1.7               | 20.31      | 0.107    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 23.89                           | -1.7               | 22.19      | 0.166    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 23.98                           | -1.7               | 22.28      | 0.169    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 23.82                           | -1.7               | 22.12      | 0.163    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 23.08                           | -1.7               | 21.38      | 0.137    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 23.03                           | -1.7               | 21.33      | 0.136    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 22.96                           | -1.7               | 21.26      | 0.134    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 23.03                           | -1.7               | 21.33      | 0.136    | 2.00      | Pass    |
| 16-QAM            |              | RB1#0     | 23.07                 | -1.7                            | 21.37              | 0.137      | 2.00     | Pass      |         |
|                   |              | RB1#50    | 23.12                 | -1.7                            | 21.42              | 0.139      | 2.00     | Pass      |         |
|                   |              | RB1#99    | 22.99                 | -1.7                            | 21.29              | 0.135      | 2.00     | Pass      |         |
|                   |              | RB50#0    | 22.07                 | -1.7                            | 20.37              | 0.109      | 2.00     | Pass      |         |
|                   |              | RB50#25   | 21.99                 | -1.7                            | 20.29              | 0.107      | 2.00     | Pass      |         |
|                   |              | RB50#50   | 21.92                 | -1.7                            | 20.22              | 0.105      | 2.00     | Pass      |         |
|                   |              | RB100#0   | 22.05                 | -1.7                            | 20.35              | 0.108      | 2.00     | Pass      |         |
| HCH               | QPSK         | RB1#0     | 23.95                 | -1.7                            | 22.25              | 0.168      | 2.00     | Pass      |         |
|                   |              | RB1#50    | 23.94                 | -1.7                            | 22.24              | 0.167      | 2.00     | Pass      |         |
|                   |              | RB1#99    | 23.85                 | -1.7                            | 22.15              | 0.164      | 2.00     | Pass      |         |
|                   |              | RB50#0    | 23                    | -1.7                            | 21.30              | 0.135      | 2.00     | Pass      |         |
|                   |              | RB50#25   | 22.95                 | -1.7                            | 21.25              | 0.133      | 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#50               | 22.93                           | -1.7               | 21.23      | 0.133    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 22.96                           | -1.7               | 21.26      | 0.134    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.47                           | -1.7               | 21.77      | 0.150    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 23.47                           | -1.7               | 21.77      | 0.150    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 23.3                            | -1.7               | 21.60      | 0.145    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 22.02                           | -1.7               | 20.32      | 0.108    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 21.99                           | -1.7               | 20.29      | 0.107    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 21.93                           | -1.7               | 20.23      | 0.105    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 21.91                           | -1.7               | 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> |              |           |                       |                                 |                    |            |          |           |         |
| 5 MHz             | LCH          | QPSK      | RB1#0                 | 24.34                           | -1.6               | 22.74      | 0.188    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 24.33                           | -1.6               | 22.73      | 0.187    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 24.3                            | -1.6               | 22.70      | 0.186    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 23.19                           | -1.6               | 21.59      | 0.144    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 23.2                            | -1.6               | 21.60      | 0.145    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 23.14                           | -1.6               | 21.54      | 0.143    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 23.12                           | -1.6               | 21.52      | 0.142    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.41                           | -1.6               | 21.81      | 0.152    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 23.39                           | -1.6               | 21.79      | 0.151    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 23.34                           | -1.6               | 21.74      | 0.149    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 22.17                           | -1.6               | 20.57      | 0.114    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 22.15                           | -1.6               | 20.55      | 0.114    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 22.12                           | -1.6               | 20.52      | 0.113    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 22.17                           | -1.6               | 20.57      | 0.114    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 24.09                           | -1.6               | 22.49      | 0.177    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 24.07                           | -1.6               | 22.47      | 0.177    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 24.05                           | -1.6               | 22.45      | 0.176    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 23.11                           | -1.6               | 21.51      | 0.142    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 23.06                           | -1.6               | 21.46      | 0.140    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 23.04                           | -1.6               | 21.44      | 0.139    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 23.06                           | -1.6               | 21.46      | 0.140    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.4                            | -1.6               | 21.80      | 0.151    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 23.36                           | -1.6               | 21.76      | 0.150    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 23.35                           | -1.6               | 21.75      | 0.150    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 22.22                           | -1.6               | 20.62      | 0.115    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 22.15                           | -1.6               | 20.55      | 0.114    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 22.09                           | -1.6               | 20.49      | 0.112    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 22.11                           | -1.6               | 20.51      | 0.112    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 24.13                           | -1.6               | 22.53      | 0.179    | 2.00      | Pass    |
|                   |              |           | RB1#13                | 24.16                           | -1.6               | 22.56      | 0.180    | 2.00      | Pass    |
|                   |              |           | RB1#24                | 24.13                           | -1.6               | 22.53      | 0.179    | 2.00      | Pass    |
|                   |              |           | RB12#0                | 23.2                            | -1.6               | 21.60      | 0.145    | 2.00      | Pass    |
|                   |              |           | RB12#6                | 23.16                           | -1.6               | 21.56      | 0.143    | 2.00      | Pass    |
|                   |              |           | RB12#13               | 23.18                           | -1.6               | 21.58      | 0.144    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 23.15                           | -1.6               | 21.55      | 0.143    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.43                           | -1.6               | 21.83      | 0.152    | 2.00      | Pass    |
| RB1#13            |              |           | 23.49                 | -1.6                            | 21.89              | 0.155      | 2.00     | Pass      |         |
| RB1#24            |              |           | 23.45                 | -1.6                            | 21.85              | 0.153      | 2.00     | Pass      |         |
| RB12#0            |              |           | 22.15                 | -1.6                            | 20.55              | 0.114      | 2.00     | Pass      |         |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |      |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|------|
| <b>LTE BAND41</b> |              |           |                       |                                 |                    |            |          |           |         |      |
| 10 MHz            |              |           | RB12#6                | 22.16                           | -1.6               | 20.56      | 0.114    | 2.00      | Pass    |      |
|                   |              |           | RB12#13               | 22.15                           | -1.6               | 20.55      | 0.114    | 2.00      | Pass    |      |
|                   |              |           | RB25#0                | 22.2                            | -1.6               | 20.60      | 0.115    | 2.00      | Pass    |      |
|                   | LCH          | QPSK      | RB1#0                 | 24.19                           | -1.6               | 22.59      | 0.182    | 2.00      | Pass    |      |
|                   |              |           | RB1#25                | 24.15                           | -1.6               | 22.55      | 0.180    | 2.00      | Pass    |      |
|                   |              |           | RB1#49                | 24.1                            | -1.6               | 22.50      | 0.178    | 2.00      | Pass    |      |
|                   |              |           | RB25#0                | 23.12                           | -1.6               | 21.52      | 0.142    | 2.00      | Pass    |      |
|                   |              |           | RB25#13               | 23.13                           | -1.6               | 21.53      | 0.142    | 2.00      | Pass    |      |
|                   |              |           | RB25#25               | 23.15                           | -1.6               | 21.55      | 0.143    | 2.00      | Pass    |      |
|                   |              | RB50#0    | 23.1                  | -1.6                            | 21.50              | 0.141      | 2.00     | Pass      |         |      |
|                   |              | 16-QAM    | RB1#0                 | 23.45                           | -1.6               | 21.85      | 0.153    | 2.00      | Pass    |      |
|                   |              |           | RB1#25                | 23.41                           | -1.6               | 21.81      | 0.152    | 2.00      | Pass    |      |
|                   |              |           | RB1#49                | 23.38                           | -1.6               | 21.78      | 0.151    | 2.00      | Pass    |      |
|                   |              |           | RB25#0                | 22.12                           | -1.6               | 20.52      | 0.113    | 2.00      | Pass    |      |
|                   |              |           | RB25#13               | 22.13                           | -1.6               | 20.53      | 0.113    | 2.00      | Pass    |      |
|                   |              |           | RB25#25               | 22.15                           | -1.6               | 20.55      | 0.114    | 2.00      | Pass    |      |
|                   |              | RB50#0    | 22.16                 | -1.6                            | 20.56              | 0.114      | 2.00     | Pass      |         |      |
|                   |              | MCH       | QPSK                  | RB1#0                           | 24.05              | -1.6       | 22.45    | 0.176     | 2.00    | Pass |
|                   |              |           |                       | RB1#25                          | 24.03              | -1.6       | 22.43    | 0.175     | 2.00    | Pass |
|                   |              |           |                       | RB1#49                          | 23.98              | -1.6       | 22.38    | 0.173     | 2.00    | Pass |
|                   |              |           |                       | RB25#0                          | 23.16              | -1.6       | 21.56    | 0.143     | 2.00    | Pass |
|                   | RB25#13      |           |                       | 23.08                           | -1.6               | 21.48      | 0.141    | 2.00      | Pass    |      |
|                   | RB25#25      |           |                       | 23.09                           | -1.6               | 21.49      | 0.141    | 2.00      | Pass    |      |
|                   | RB50#0       |           | 23.14                 | -1.6                            | 21.54              | 0.143      | 2.00     | Pass      |         |      |
|                   | 16-QAM       |           | RB1#0                 | 23.45                           | -1.6               | 21.85      | 0.153    | 2.00      | Pass    |      |
|                   |              |           | RB1#25                | 23.42                           | -1.6               | 21.82      | 0.152    | 2.00      | Pass    |      |
|                   |              |           | RB1#49                | 23.37                           | -1.6               | 21.77      | 0.150    | 2.00      | Pass    |      |
|                   |              |           | RB25#0                | 22.18                           | -1.6               | 20.58      | 0.114    | 2.00      | Pass    |      |
|                   |              |           | RB25#13               | 22.12                           | -1.6               | 20.52      | 0.113    | 2.00      | Pass    |      |
|                   |              | RB25#25   | 22.13                 | -1.6                            | 20.53              | 0.113      | 2.00     | Pass      |         |      |
| RB50#0            | 22.13        | -1.6      | 20.53                 | 0.113                           | 2.00               | Pass       |          |           |         |      |
| HCH               | QPSK         | RB1#0     | 24.11                 | -1.6                            | 22.51              | 0.178      | 2.00     | Pass      |         |      |
|                   |              | RB1#25    | 24.1                  | -1.6                            | 22.50              | 0.178      | 2.00     | Pass      |         |      |
|                   |              | RB1#49    | 24.13                 | -1.6                            | 22.53              | 0.179      | 2.00     | Pass      |         |      |
|                   |              | RB25#0    | 23.13                 | -1.6                            | 21.53              | 0.142      | 2.00     | Pass      |         |      |
|                   |              | RB25#13   | 23.19                 | -1.6                            | 21.59              | 0.144      | 2.00     | Pass      |         |      |
|                   |              | RB25#25   | 23.2                  | -1.6                            | 21.60              | 0.145      | 2.00     | Pass      |         |      |
|                   | RB50#0       | 23.21     | -1.6                  | 21.61                           | 0.145              | 2.00       | Pass     |           |         |      |
|                   | 16-QAM       | RB1#0     | 23.5                  | -1.6                            | 21.90              | 0.155      | 2.00     | Pass      |         |      |
| RB1#25            | 23.49        | -1.6      | 21.89                 | 0.155                           | 2.00               | Pass       |          |           |         |      |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND41</b> |              |           |                       |                                 |                    |            |          |           |         |
| 15 MHz            |              |           | RB1#49                | 23.53                           | -1.6               | 21.93      | 0.156    | 2.00      | Pass    |
|                   |              |           | RB25#0                | 22.14                           | -1.6               | 20.54      | 0.113    | 2.00      | Pass    |
|                   |              |           | RB25#13               | 22.21                           | -1.6               | 20.61      | 0.115    | 2.00      | Pass    |
|                   |              |           | RB25#25               | 22.23                           | -1.6               | 20.63      | 0.116    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 22.22                           | -1.6               | 20.62      | 0.115    | 2.00      | Pass    |
|                   | LCH          | QPSK      | RB1#0                 | 24.17                           | -1.6               | 22.57      | 0.181    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 24.13                           | -1.6               | 22.53      | 0.179    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 23.99                           | -1.6               | 22.39      | 0.173    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 23.06                           | -1.6               | 21.46      | 0.140    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 23.03                           | -1.6               | 21.43      | 0.139    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 23.07                           | -1.6               | 21.47      | 0.140    | 2.00      | Pass    |
|                   |              | RB75#0    | 23.06                 | -1.6                            | 21.46              | 0.140      | 2.00     | Pass      |         |
|                   |              | 16-QAM    | RB1#0                 | 23.4                            | -1.6               | 21.80      | 0.151    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 23.39                           | -1.6               | 21.79      | 0.151    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 23.25                           | -1.6               | 21.65      | 0.146    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 22.07                           | -1.6               | 20.47      | 0.111    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 22.05                           | -1.6               | 20.45      | 0.111    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 22.09                           | -1.6               | 20.49      | 0.112    | 2.00      | Pass    |
|                   | RB75#0       | 22.05     | -1.6                  | 20.45                           | 0.111              | 2.00       | Pass     |           |         |
|                   | MCH          | QPSK      | RB1#0                 | 24.19                           | -1.6               | 22.59      | 0.182    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 24.16                           | -1.6               | 22.56      | 0.180    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 24.01                           | -1.6               | 22.41      | 0.174    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 23.11                           | -1.6               | 21.51      | 0.142    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 23.04                           | -1.6               | 21.44      | 0.139    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 23                              | -1.6               | 21.40      | 0.138    | 2.00      | Pass    |
|                   |              | RB75#0    | 23.07                 | -1.6                            | 21.47              | 0.140      | 2.00     | Pass      |         |
|                   |              | 16-QAM    | RB1#0                 | 23.32                           | -1.6               | 21.72      | 0.149    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 23.31                           | -1.6               | 21.71      | 0.148    | 2.00      | Pass    |
| RB1#74            |              |           | 23.17                 | -1.6                            | 21.57              | 0.144      | 2.00     | Pass      |         |
| RB36#0            |              |           | 22.12                 | -1.6                            | 20.52              | 0.113      | 2.00     | Pass      |         |
| RB36#19           |              |           | 22.08                 | -1.6                            | 20.48              | 0.112      | 2.00     | Pass      |         |
| RB36#39           |              |           | 22.05                 | -1.6                            | 20.45              | 0.111      | 2.00     | Pass      |         |
| RB75#0            | 22.04        | -1.6      | 20.44                 | 0.111                           | 2.00               | Pass       |          |           |         |
| HCH               | QPSK         | RB1#0     | 23.98                 | -1.6                            | 22.38              | 0.173      | 2.00     | Pass      |         |
|                   |              | RB1#38    | 24.05                 | -1.6                            | 22.45              | 0.176      | 2.00     | Pass      |         |
|                   |              | RB1#74    | 24.05                 | -1.6                            | 22.45              | 0.176      | 2.00     | Pass      |         |
|                   |              | RB36#0    | 23.11                 | -1.6                            | 21.51              | 0.142      | 2.00     | Pass      |         |
|                   |              | RB36#19   | 23.13                 | -1.6                            | 21.53              | 0.142      | 2.00     | Pass      |         |
|                   |              | RB36#39   | 23.15                 | -1.6                            | 21.55              | 0.143      | 2.00     | Pass      |         |
| RB75#0            | 23.1         | -1.6      | 21.50                 | 0.141                           | 2.00               | Pass       |          |           |         |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND41</b> |              |           |                       |                                 |                    |            |          |           |         |
| 20 MHz            | LCH          | 16-QAM    | RB1#0                 | 23.44                           | -1.6               | 21.84      | 0.153    | 2.00      | Pass    |
|                   |              |           | RB1#38                | 23.51                           | -1.6               | 21.91      | 0.155    | 2.00      | Pass    |
|                   |              |           | RB1#74                | 23.46                           | -1.6               | 21.86      | 0.153    | 2.00      | Pass    |
|                   |              |           | RB36#0                | 22.13                           | -1.6               | 20.53      | 0.113    | 2.00      | Pass    |
|                   |              |           | RB36#19               | 22.11                           | -1.6               | 20.51      | 0.112    | 2.00      | Pass    |
|                   |              |           | RB36#39               | 22.14                           | -1.6               | 20.54      | 0.113    | 2.00      | Pass    |
|                   |              |           | RB75#0                | 22.11                           | -1.6               | 20.51      | 0.112    | 2.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 24.03                           | -1.6               | 22.43      | 0.175    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 24.06                           | -1.6               | 22.46      | 0.176    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 23.91                           | -1.6               | 22.31      | 0.170    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 23.07                           | -1.6               | 21.47      | 0.140    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 23.12                           | -1.6               | 21.52      | 0.142    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 23.1                            | -1.6               | 21.50      | 0.141    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 23.03                           | -1.6               | 21.43      | 0.139    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.39                           | -1.6               | 21.79      | 0.151    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 23.4                            | -1.6               | 21.80      | 0.151    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 23.26                           | -1.6               | 21.66      | 0.147    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 22.01                           | -1.6               | 20.41      | 0.110    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 22.04                           | -1.6               | 20.44      | 0.111    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 22.08                           | -1.6               | 20.48      | 0.112    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 22.09                           | -1.6               | 20.49      | 0.112    | 2.00      | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 24.05                           | -1.6               | 22.45      | 0.176    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 24.02                           | -1.6               | 22.42      | 0.175    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 23.89                           | -1.6               | 22.29      | 0.169    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 23.2                            | -1.6               | 21.60      | 0.145    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 23.13                           | -1.6               | 21.53      | 0.142    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 23.07                           | -1.6               | 21.47      | 0.140    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 23.06                           | -1.6               | 21.46      | 0.140    | 2.00      | Pass    |
| 16-QAM            |              | RB1#0     | 23.63                 | -1.6                            | 22.03              | 0.160      | 2.00     | Pass      |         |
|                   |              | RB1#50    | 23.62                 | -1.6                            | 22.02              | 0.159      | 2.00     | Pass      |         |
|                   |              | RB1#99    | 23.45                 | -1.6                            | 21.85              | 0.153      | 2.00     | Pass      |         |
|                   |              | RB50#0    | 22.18                 | -1.6                            | 20.58              | 0.114      | 2.00     | Pass      |         |
|                   |              | RB50#25   | 22.13                 | -1.6                            | 20.53              | 0.113      | 2.00     | Pass      |         |
|                   |              | RB50#50   | 22.06                 | -1.6                            | 20.46              | 0.111      | 2.00     | Pass      |         |
|                   |              | RB100#0   | 22.04                 | -1.6                            | 20.44              | 0.111      | 2.00     | Pass      |         |
| QPSK              | RB1#0        | 23.95     | -1.6                  | 22.35                           | 0.172              | 2.00       | Pass     |           |         |
|                   | RB1#50       | 24.07     | -1.6                  | 22.47                           | 0.177              | 2.00       | Pass     |           |         |
|                   | RB1#99       | 24.05     | -1.6                  | 22.45                           | 0.176              | 2.00       | Pass     |           |         |
|                   | RB50#0       | 23.21     | -1.6                  | 21.61                           | 0.145              | 2.00       | Pass     |           |         |
|                   | RB50#25      | 23.19     | -1.6                  | 21.59                           | 0.144              | 2.00       | Pass     |           |         |



| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE BAND41</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB50#50               | 23.27                           | -1.6               | 21.67      | 0.147    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 23.16                           | -1.6               | 21.56      | 0.143    | 2.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.05                           | -1.6               | 21.45      | 0.140    | 2.00      | Pass    |
|                   |              |           | RB1#50                | 23.2                            | -1.6               | 21.60      | 0.145    | 2.00      | Pass    |
|                   |              |           | RB1#99                | 23.18                           | -1.6               | 21.58      | 0.144    | 2.00      | Pass    |
|                   |              |           | RB50#0                | 22.19                           | -1.6               | 20.59      | 0.115    | 2.00      | Pass    |
|                   |              |           | RB50#25               | 22.21                           | -1.6               | 20.61      | 0.115    | 2.00      | Pass    |
|                   |              |           | RB50#50               | 22.22                           | -1.6               | 20.62      | 0.115    | 2.00      | Pass    |
|                   |              |           | RB100#0               | 22.22                           | -1.6               | 20.62      | 0.115    | 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                 | 23.33                           | -1.4               | 21.93      | 0.156    | 1.00      | Pass    |
|                   |              |           | RB1#3                 | 23.34                           | -1.4               | 21.94      | 0.156    | 1.00      | Pass    |
|                   |              |           | RB1#5                 | 23.34                           | -1.4               | 21.94      | 0.156    | 1.00      | Pass    |
|                   |              |           | RB3#0                 | 23.47                           | -1.4               | 22.07      | 0.161    | 1.00      | Pass    |
|                   |              |           | RB3#2                 | 23.48                           | -1.4               | 22.08      | 0.161    | 1.00      | Pass    |
|                   |              |           | RB3#3                 | 23.45                           | -1.4               | 22.05      | 0.160    | 1.00      | Pass    |
|                   |              | RB6#0     | 22.48                 | -1.4                            | 21.08              | 0.128      | 1.00     | Pass      |         |
|                   |              | 16-QAM    | RB1#0                 | 22.51                           | -1.4               | 21.11      | 0.129    | 1.00      | Pass    |
|                   |              |           | RB1#3                 | 22.52                           | -1.4               | 21.12      | 0.129    | 1.00      | Pass    |
|                   |              |           | RB1#5                 | 22.53                           | -1.4               | 21.13      | 0.130    | 1.00      | Pass    |
|                   |              |           | RB3#0                 | 22.49                           | -1.4               | 21.09      | 0.129    | 1.00      | Pass    |
|                   |              |           | RB3#2                 | 22.5                            | -1.4               | 21.10      | 0.129    | 1.00      | Pass    |
|                   | RB3#3        |           | 22.51                 | -1.4                            | 21.11              | 0.129      | 1.00     | Pass      |         |
|                   | RB6#0        | 21.61     | -1.4                  | 20.21                           | 0.105              | 1.00       | Pass     |           |         |
|                   | MCH          | QPSK      | RB1#0                 | 23.36                           | -1.4               | 21.96      | 0.157    | 1.00      | Pass    |
|                   |              |           | RB1#3                 | 23.39                           | -1.4               | 21.99      | 0.158    | 1.00      | Pass    |
|                   |              |           | RB1#5                 | 23.38                           | -1.4               | 21.98      | 0.158    | 1.00      | Pass    |
|                   |              |           | RB3#0                 | 23.44                           | -1.4               | 22.04      | 0.160    | 1.00      | Pass    |
|                   |              |           | RB3#2                 | 23.46                           | -1.4               | 22.06      | 0.161    | 1.00      | Pass    |
|                   |              |           | RB3#3                 | 23.43                           | -1.4               | 22.03      | 0.160    | 1.00      | Pass    |
|                   |              | RB6#0     | 22.47                 | -1.4                            | 21.07              | 0.128      | 1.00     | Pass      |         |
|                   |              | 16-QAM    | RB1#0                 | 22.83                           | -1.4               | 21.43      | 0.139    | 1.00      | Pass    |
|                   |              |           | RB1#3                 | 22.79                           | -1.4               | 21.39      | 0.138    | 1.00      | Pass    |
|                   |              |           | RB1#5                 | 22.82                           | -1.4               | 21.42      | 0.139    | 1.00      | Pass    |
|                   |              |           | RB3#0                 | 22.62                           | -1.4               | 21.22      | 0.132    | 1.00      | Pass    |
|                   |              |           | RB3#2                 | 22.61                           | -1.4               | 21.21      | 0.132    | 1.00      | Pass    |
|                   | RB3#3        |           | 22.63                 | -1.4                            | 21.23              | 0.133      | 1.00     | Pass      |         |
|                   | RB6#0        | 21.34     | -1.4                  | 19.94                           | 0.099              | 1.00       | Pass     |           |         |
|                   | HCH          | QPSK      | RB1#0                 | 23.34                           | -1.4               | 21.94      | 0.156    | 1.00      | Pass    |
|                   |              |           | RB1#3                 | 23.39                           | -1.4               | 21.99      | 0.158    | 1.00      | Pass    |
|                   |              |           | RB1#5                 | 23.37                           | -1.4               | 21.97      | 0.157    | 1.00      | Pass    |
|                   |              |           | RB3#0                 | 23.47                           | -1.4               | 22.07      | 0.161    | 1.00      | Pass    |
|                   |              |           | RB3#2                 | 23.51                           | -1.4               | 22.11      | 0.163    | 1.00      | Pass    |
|                   |              |           | RB3#3                 | 23.48                           | -1.4               | 22.08      | 0.161    | 1.00      | Pass    |
|                   |              | RB6#0     | 22.44                 | -1.4                            | 21.04              | 0.127      | 1.00     | Pass      |         |
|                   |              | 16-QAM    | RB1#0                 | 22.34                           | -1.4               | 20.94      | 0.124    | 1.00      | Pass    |
| RB1#3             |              |           | 22.34                 | -1.4                            | 20.94              | 0.124      | 1.00     | Pass      |         |
| RB1#5             |              |           | 22.38                 | -1.4                            | 20.98              | 0.125      | 1.00     | Pass      |         |
| RB3#0             |              |           | 22.55                 | -1.4                            | 21.15              | 0.130      | 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             |              |           | RB3#2                 | 22.54                           | -1.4               | 21.14      | 0.130    | 1.00      | Pass    |      |
|                   |              |           | RB3#3                 | 22.56                           | -1.4               | 21.16      | 0.131    | 1.00      | Pass    |      |
|                   |              |           | RB6#0                 | 21.61                           | -1.4               | 20.21      | 0.105    | 1.00      | Pass    |      |
|                   | LCH          | QPSK      | RB1#0                 | 23.55                           | -1.4               | 22.15      | 0.164    | 1.00      | Pass    |      |
|                   |              |           | RB1#7                 | 23.5                            | -1.4               | 22.10      | 0.162    | 1.00      | Pass    |      |
|                   |              |           | RB1#14                | 23.51                           | -1.4               | 22.11      | 0.163    | 1.00      | Pass    |      |
|                   |              |           | RB8#0                 | 22.45                           | -1.4               | 21.05      | 0.127    | 1.00      | Pass    |      |
|                   |              |           | RB8#4                 | 22.46                           | -1.4               | 21.06      | 0.128    | 1.00      | Pass    |      |
|                   |              |           | RB8#7                 | 22.43                           | -1.4               | 21.03      | 0.127    | 1.00      | Pass    |      |
|                   |              | RB15#0    | 22.44                 | -1.4                            | 21.04              | 0.127      | 1.00     | Pass      |         |      |
|                   |              | 16-QAM    | RB1#0                 | 22.39                           | -1.4               | 20.99      | 0.126    | 1.00      | Pass    |      |
|                   |              |           | RB1#7                 | 22.34                           | -1.4               | 20.94      | 0.124    | 1.00      | Pass    |      |
|                   |              |           | RB1#14                | 22.35                           | -1.4               | 20.95      | 0.124    | 1.00      | Pass    |      |
|                   |              |           | RB8#0                 | 21.57                           | -1.4               | 20.17      | 0.104    | 1.00      | Pass    |      |
|                   |              |           | RB8#4                 | 21.58                           | -1.4               | 20.18      | 0.104    | 1.00      | Pass    |      |
|                   |              |           | RB8#7                 | 21.59                           | -1.4               | 20.19      | 0.104    | 1.00      | Pass    |      |
|                   |              | RB15#0    | 21.51                 | -1.4                            | 20.11              | 0.103      | 1.00     | Pass      |         |      |
|                   |              | MCH       | QPSK                  | RB1#0                           | 23.41              | -1.4       | 22.01    | 0.159     | 1.00    | Pass |
|                   |              |           |                       | RB1#7                           | 23.39              | -1.4       | 21.99    | 0.158     | 1.00    | Pass |
|                   |              |           |                       | RB1#14                          | 23.37              | -1.4       | 21.97    | 0.157     | 1.00    | Pass |
|                   |              |           |                       | RB8#0                           | 22.4               | -1.4       | 21.00    | 0.126     | 1.00    | Pass |
|                   | RB8#4        |           |                       | 22.41                           | -1.4               | 21.01      | 0.126    | 1.00      | Pass    |      |
|                   | RB8#7        |           |                       | 22.42                           | -1.4               | 21.02      | 0.126    | 1.00      | Pass    |      |
|                   | RB15#0       |           | 22.4                  | -1.4                            | 21.00              | 0.126      | 1.00     | Pass      |         |      |
|                   | 16-QAM       |           | RB1#0                 | 22.78                           | -1.4               | 21.38      | 0.137    | 1.00      | Pass    |      |
|                   |              |           | RB1#7                 | 22.79                           | -1.4               | 21.39      | 0.138    | 1.00      | Pass    |      |
|                   |              |           | RB1#14                | 22.78                           | -1.4               | 21.38      | 0.137    | 1.00      | Pass    |      |
|                   |              |           | RB8#0                 | 21.54                           | -1.4               | 20.14      | 0.103    | 1.00      | Pass    |      |
|                   |              |           | RB8#4                 | 21.53                           | -1.4               | 20.13      | 0.103    | 1.00      | Pass    |      |
|                   |              | RB8#7     | 21.5                  | -1.4                            | 20.10              | 0.102      | 1.00     | Pass      |         |      |
| RB15#0            | 21.46        | -1.4      | 20.06                 | 0.101                           | 1.00               | Pass       |          |           |         |      |
| HCH               | QPSK         | RB1#0     | 23.37                 | -1.4                            | 21.97              | 0.157      | 1.00     | Pass      |         |      |
|                   |              | RB1#7     | 23.37                 | -1.4                            | 21.97              | 0.157      | 1.00     | Pass      |         |      |
|                   |              | RB1#14    | 23.38                 | -1.4                            | 21.98              | 0.158      | 1.00     | Pass      |         |      |
|                   |              | RB8#0     | 22.44                 | -1.4                            | 21.04              | 0.127      | 1.00     | Pass      |         |      |
|                   |              | RB8#4     | 22.43                 | -1.4                            | 21.03              | 0.127      | 1.00     | Pass      |         |      |
|                   |              | RB8#7     | 22.4                  | -1.4                            | 21.00              | 0.126      | 1.00     | Pass      |         |      |
|                   | RB15#0       | 22.42     | -1.4                  | 21.02                           | 0.126              | 1.00       | Pass     |           |         |      |
|                   | 16-QAM       | RB1#0     | 22.39                 | -1.4                            | 20.99              | 0.126      | 1.00     | Pass      |         |      |
| RB1#7             | 22.32        | -1.4      | 20.92                 | 0.124                           | 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> |              |           |                       |                                 |                    |            |          |           |         |      |
| 5 MHz             |              |           | RB1#14                | 22.36                           | -1.4               | 20.96      | 0.125    | 1.00      | Pass    |      |
|                   |              |           | RB8#0                 | 21.48                           | -1.4               | 20.08      | 0.102    | 1.00      | Pass    |      |
|                   |              |           | RB8#4                 | 21.49                           | -1.4               | 20.09      | 0.102    | 1.00      | Pass    |      |
|                   |              |           | RB8#7                 | 21.45                           | -1.4               | 20.05      | 0.101    | 1.00      | Pass    |      |
|                   |              |           | RB15#0                | 21.4                            | -1.4               | 20.00      | 0.100    | 1.00      | Pass    |      |
|                   | LCH          | QPSK      | RB1#0                 | 23.71                           | -1.4               | 22.31      | 0.170    | 1.00      | Pass    |      |
|                   |              |           | RB1#13                | 23.73                           | -1.4               | 22.33      | 0.171    | 1.00      | Pass    |      |
|                   |              |           | RB1#24                | 23.71                           | -1.4               | 22.31      | 0.170    | 1.00      | Pass    |      |
|                   |              |           | RB12#0                | 22.51                           | -1.4               | 21.11      | 0.129    | 1.00      | Pass    |      |
|                   |              |           | RB12#6                | 22.5                            | -1.4               | 21.10      | 0.129    | 1.00      | Pass    |      |
|                   |              |           | RB12#13               | 22.54                           | -1.4               | 21.14      | 0.130    | 1.00      | Pass    |      |
|                   |              |           | RB25#0                | 22.46                           | -1.4               | 21.06      | 0.128    | 1.00      | Pass    |      |
|                   |              | 16-QAM    | RB1#0                 | 22.84                           | -1.4               | 21.44      | 0.139    | 1.00      | Pass    |      |
|                   |              |           | RB1#13                | 22.81                           | -1.4               | 21.41      | 0.138    | 1.00      | Pass    |      |
|                   |              |           | RB1#24                | 22.81                           | -1.4               | 21.41      | 0.138    | 1.00      | Pass    |      |
|                   |              |           | RB12#0                | 21.53                           | -1.4               | 20.13      | 0.103    | 1.00      | Pass    |      |
|                   |              |           | RB12#6                | 21.55                           | -1.4               | 20.15      | 0.104    | 1.00      | Pass    |      |
|                   |              |           | RB12#13               | 21.59                           | -1.4               | 20.19      | 0.104    | 1.00      | Pass    |      |
|                   |              | MCH       | QPSK                  | RB1#0                           | 23.46              | -1.4       | 22.06    | 0.161     | 1.00    | Pass |
|                   |              |           |                       | RB1#13                          | 23.43              | -1.4       | 22.03    | 0.160     | 1.00    | Pass |
|                   |              |           |                       | RB1#24                          | 23.46              | -1.4       | 22.06    | 0.161     | 1.00    | Pass |
|                   |              |           |                       | RB12#0                          | 22.47              | -1.4       | 21.07    | 0.128     | 1.00    | Pass |
|                   |              |           |                       | RB12#6                          | 22.46              | -1.4       | 21.06    | 0.128     | 1.00    | Pass |
|                   | RB12#13      |           |                       | 22.42                           | -1.4               | 21.02      | 0.126    | 1.00      | Pass    |      |
|                   | RB25#0       |           |                       | 22.43                           | -1.4               | 21.03      | 0.127    | 1.00      | Pass    |      |
|                   | 16-QAM       |           | RB1#0                 | 23.06                           | -1.4               | 21.66      | 0.147    | 1.00      | Pass    |      |
|                   |              |           | RB1#13                | 23.07                           | -1.4               | 21.67      | 0.147    | 1.00      | Pass    |      |
|                   |              |           | RB1#24                | 23.06                           | -1.4               | 21.66      | 0.147    | 1.00      | Pass    |      |
| RB12#0            |              |           | 21.6                  | -1.4                            | 20.20              | 0.105      | 1.00     | Pass      |         |      |
| RB12#6            |              |           | 21.55                 | -1.4                            | 20.15              | 0.104      | 1.00     | Pass      |         |      |
| RB12#13           |              |           | 21.55                 | -1.4                            | 20.15              | 0.104      | 1.00     | Pass      |         |      |
| HCH               | QPSK         | RB1#0     | 23.49                 | -1.4                            | 22.09              | 0.162      | 1.00     | Pass      |         |      |
|                   |              | RB1#13    | 23.46                 | -1.4                            | 22.06              | 0.161      | 1.00     | Pass      |         |      |
|                   |              | RB1#24    | 23.46                 | -1.4                            | 22.06              | 0.161      | 1.00     | Pass      |         |      |
|                   |              | RB12#0    | 22.5                  | -1.4                            | 21.10              | 0.129      | 1.00     | Pass      |         |      |
|                   |              | RB12#6    | 22.44                 | -1.4                            | 21.04              | 0.127      | 1.00     | Pass      |         |      |
|                   |              | RB12#13   | 22.39                 | -1.4                            | 20.99              | 0.126      | 1.00     | Pass      |         |      |
|                   |              | RB25#0    | 22.45                 | -1.4                            | 21.05              | 0.127      | 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> |              |           |                       |                                 |                    |            |          |           |         |
| 10 MHz            | LCH          | 16-QAM    | RB1#0                 | 22.43                           | -1.4               | 21.03      | 0.127    | 1.00      | Pass    |
|                   |              |           | RB1#13                | 22.38                           | -1.4               | 20.98      | 0.125    | 1.00      | Pass    |
|                   |              |           | RB1#24                | 22.38                           | -1.4               | 20.98      | 0.125    | 1.00      | Pass    |
|                   |              |           | RB12#0                | 21.55                           | -1.4               | 20.15      | 0.104    | 1.00      | Pass    |
|                   |              |           | RB12#6                | 21.5                            | -1.4               | 20.10      | 0.102    | 1.00      | Pass    |
|                   |              |           | RB12#13               | 21.43                           | -1.4               | 20.03      | 0.101    | 1.00      | Pass    |
|                   |              |           | RB25#0                | 21.41                           | -1.4               | 20.01      | 0.100    | 1.00      | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.59                           | -1.4               | 22.19      | 0.166    | 1.00      | Pass    |
|                   |              |           | RB1#25                | 23.57                           | -1.4               | 22.17      | 0.165    | 1.00      | Pass    |
|                   |              |           | RB1#49                | 23.46                           | -1.4               | 22.06      | 0.161    | 1.00      | Pass    |
|                   |              |           | RB25#0                | 22.43                           | -1.4               | 21.03      | 0.127    | 1.00      | Pass    |
|                   |              |           | RB25#13               | 22.47                           | -1.4               | 21.07      | 0.128    | 1.00      | Pass    |
|                   |              |           | RB25#25               | 22.5                            | -1.4               | 21.10      | 0.129    | 1.00      | Pass    |
|                   |              |           | RB50#0                | 22.49                           | -1.4               | 21.09      | 0.129    | 1.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.42                           | -1.4               | 21.02      | 0.126    | 1.00      | Pass    |
|                   |              |           | RB1#25                | 22.34                           | -1.4               | 20.94      | 0.124    | 1.00      | Pass    |
|                   |              |           | RB1#49                | 22.3                            | -1.4               | 20.90      | 0.123    | 1.00      | Pass    |
|                   |              |           | RB25#0                | 21.47                           | -1.4               | 20.07      | 0.102    | 1.00      | Pass    |
|                   |              |           | RB25#13               | 21.53                           | -1.4               | 20.13      | 0.103    | 1.00      | Pass    |
|                   |              |           | RB25#25               | 21.58                           | -1.4               | 20.18      | 0.104    | 1.00      | Pass    |
|                   |              |           | RB50#0                | 21.47                           | -1.4               | 20.07      | 0.102    | 1.00      | Pass    |
| HCH               | QPSK         | RB1#0     | 23.4                  | -1.4                            | 22.00              | 0.158      | 1.00     | Pass      |         |
|                   |              | RB1#25    | 23.46                 | -1.4                            | 22.06              | 0.161      | 1.00     | Pass      |         |
|                   |              | RB1#49    | 23.41                 | -1.4                            | 22.01              | 0.159      | 1.00     | Pass      |         |
|                   |              | RB25#0    | 22.42                 | -1.4                            | 21.02              | 0.126      | 1.00     | Pass      |         |
|                   |              | RB25#13   | 22.45                 | -1.4                            | 21.05              | 0.127      | 1.00     | Pass      |         |
|                   |              | RB25#25   | 22.49                 | -1.4                            | 21.09              | 0.129      | 1.00     | Pass      |         |
|                   |              | RB50#0    | 22.47                 | -1.4                            | 21.07              | 0.128      | 1.00     | Pass      |         |
|                   | 16-QAM       | RB1#0     | 22.76                 | -1.4                            | 21.36              | 0.137      | 1.00     | Pass      |         |
|                   |              | RB1#25    | 22.81                 | -1.4                            | 21.41              | 0.138      | 1.00     | Pass      |         |
|                   |              | RB1#49    | 22.75                 | -1.4                            | 21.35              | 0.136      | 1.00     | Pass      |         |
|                   |              | RB25#0    | 21.45                 | -1.4                            | 20.05              | 0.101      | 1.00     | Pass      |         |
|                   |              | RB25#13   | 21.54                 | -1.4                            | 20.14              | 0.103      | 1.00     | Pass      |         |
|                   |              | RB25#25   | 21.55                 | -1.4                            | 20.15              | 0.104      | 1.00     | Pass      |         |
|                   |              | RB50#0    | 21.48                 | -1.4                            | 20.08              | 0.102      | 1.00     | Pass      |         |
| QPSK              | RB1#0        | 23.4      | -1.4                  | 22.00                           | 0.158              | 1.00       | Pass     |           |         |
|                   | RB1#25       | 23.42     | -1.4                  | 22.02                           | 0.159              | 1.00       | Pass     |           |         |
|                   | RB1#49       | 23.39     | -1.4                  | 21.99                           | 0.158              | 1.00       | Pass     |           |         |
|                   | RB25#0       | 22.47     | -1.4                  | 21.07                           | 0.128              | 1.00       | Pass     |           |         |
|                   | RB25#13      | 22.49     | -1.4                  | 21.09                           | 0.129              | 1.00       | Pass     |           |         |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |      |      |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|------|------|
| <b>LTE BAND66</b> |              |           |                       |                                 |                    |            |          |           |         |      |      |
|                   |              | 16-QAM    | RB25#25               | 22.42                           | -1.4               | 21.02      | 0.126    | 1.00      | Pass    |      |      |
|                   |              |           | RB50#0                | 22.51                           | -1.4               | 21.11      | 0.129    | 1.00      | Pass    |      |      |
|                   |              |           | RB1#0                 | 22.37                           | -1.4               | 20.97      | 0.125    | 1.00      | Pass    |      |      |
|                   |              |           | RB1#25                | 22.34                           | -1.4               | 20.94      | 0.124    | 1.00      | Pass    |      |      |
|                   |              |           | RB1#49                | 22.3                            | -1.4               | 20.90      | 0.123    | 1.00      | Pass    |      |      |
|                   |              |           | RB25#0                | 21.57                           | -1.4               | 20.17      | 0.104    | 1.00      | Pass    |      |      |
|                   |              |           | RB25#13               | 21.58                           | -1.4               | 20.18      | 0.104    | 1.00      | Pass    |      |      |
|                   |              |           | RB25#25               | 21.54                           | -1.4               | 20.14      | 0.103    | 1.00      | Pass    |      |      |
|                   |              | RB50#0    | 21.53                 | -1.4                            | 20.13              | 0.103      | 1.00     | Pass      |         |      |      |
|                   |              | 15 MHz    | LCH                   | QPSK                            | RB1#0              | 23.53      | -1.4     | 22.13     | 0.163   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB1#38             | 23.54      | -1.4     | 22.14     | 0.164   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB1#74             | 23.38      | -1.4     | 21.98     | 0.158   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB36#0             | 22.42      | -1.4     | 21.02     | 0.126   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB36#19            | 22.43      | -1.4     | 21.03     | 0.127   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB36#39            | 22.4       | -1.4     | 21.00     | 0.126   | 1.00 | Pass |
| RB75#0            | 22.45        |           |                       |                                 | -1.4               | 21.05      | 0.127    | 1.00      | Pass    |      |      |
| 16-QAM            | RB1#0        |           |                       | 22.36                           | -1.4               | 20.96      | 0.125    | 1.00      | Pass    |      |      |
|                   | RB1#38       |           |                       | 22.33                           | -1.4               | 20.93      | 0.124    | 1.00      | Pass    |      |      |
|                   | RB1#74       |           |                       | 22.23                           | -1.4               | 20.83      | 0.121    | 1.00      | Pass    |      |      |
|                   | RB36#0       |           |                       | 21.43                           | -1.4               | 20.03      | 0.101    | 1.00      | Pass    |      |      |
|                   | RB36#19      |           |                       | 21.46                           | -1.4               | 20.06      | 0.101    | 1.00      | Pass    |      |      |
|                   | RB36#39      |           |                       | 21.43                           | -1.4               | 20.03      | 0.101    | 1.00      | Pass    |      |      |
| MCH               | QPSK         |           |                       | RB1#0                           | 23.46              | -1.4       | 22.06    | 0.161     | 1.00    | Pass |      |
|                   |              |           |                       | RB1#38                          | 23.44              | -1.4       | 22.04    | 0.160     | 1.00    | Pass |      |
|                   |              | RB1#74    | 23.34                 | -1.4                            | 21.94              | 0.156      | 1.00     | Pass      |         |      |      |
|                   |              | RB36#0    | 22.42                 | -1.4                            | 21.02              | 0.126      | 1.00     | Pass      |         |      |      |
|                   |              | RB36#19   | 22.42                 | -1.4                            | 21.02              | 0.126      | 1.00     | Pass      |         |      |      |
|                   |              | RB36#39   | 22.44                 | -1.4                            | 21.04              | 0.127      | 1.00     | Pass      |         |      |      |
|                   |              | RB75#0    | 22.45                 | -1.4                            | 21.05              | 0.127      | 1.00     | Pass      |         |      |      |
|                   | 16-QAM       | RB1#0     | 22.82                 | -1.4                            | 21.42              | 0.139      | 1.00     | Pass      |         |      |      |
|                   |              | RB1#38    | 22.81                 | -1.4                            | 21.41              | 0.138      | 1.00     | Pass      |         |      |      |
|                   |              | RB1#74    | 22.71                 | -1.4                            | 21.31              | 0.135      | 1.00     | Pass      |         |      |      |
|                   |              | RB36#0    | 21.48                 | -1.4                            | 20.08              | 0.102      | 1.00     | Pass      |         |      |      |
|                   |              | RB36#19   | 21.52                 | -1.4                            | 20.12              | 0.103      | 1.00     | Pass      |         |      |      |
|                   |              | RB36#39   | 21.56                 | -1.4                            | 20.16              | 0.104      | 1.00     | Pass      |         |      |      |
|                   | HCH          | QPSK      | RB75#0                | 21.46                           | -1.4               | 20.06      | 0.101    | 1.00      | Pass    |      |      |
|                   |              |           | RB1#0                 | 23.39                           | -1.4               | 21.99      | 0.158    | 1.00      | Pass    |      |      |
| RB1#38            |              |           | 23.35                 | -1.4                            | 21.95              | 0.157      | 1.00     | Pass      |         |      |      |
|                   |              |           | RB1#74                | 23.3                            | -1.4               | 21.90      | 0.155    | 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            |              |           | RB36#0                | 22.48                           | -1.4               | 21.08      | 0.128    | 1.00      | Pass    |      |      |
|                   |              |           | RB36#19               | 22.43                           | -1.4               | 21.03      | 0.127    | 1.00      | Pass    |      |      |
|                   |              |           | RB36#39               | 22.42                           | -1.4               | 21.02      | 0.126    | 1.00      | Pass    |      |      |
|                   |              |           | RB75#0                | 22.44                           | -1.4               | 21.04      | 0.127    | 1.00      | Pass    |      |      |
|                   |              | 16-QAM    | RB1#0                 | 22.72                           | -1.4               | 21.32      | 0.136    | 1.00      | Pass    |      |      |
|                   |              |           | RB1#38                | 22.69                           | -1.4               | 21.29      | 0.135    | 1.00      | Pass    |      |      |
|                   |              |           | RB1#74                | 22.58                           | -1.4               | 21.18      | 0.131    | 1.00      | Pass    |      |      |
|                   |              |           | RB36#0                | 21.44                           | -1.4               | 20.04      | 0.101    | 1.00      | Pass    |      |      |
|                   |              |           | RB36#19               | 21.43                           | -1.4               | 20.03      | 0.101    | 1.00      | Pass    |      |      |
|                   |              |           | RB36#39               | 21.42                           | -1.4               | 20.02      | 0.100    | 1.00      | Pass    |      |      |
|                   |              |           | RB75#0                | 21.41                           | -1.4               | 20.01      | 0.100    | 1.00      | Pass    |      |      |
|                   |              |           | LCH                   | QPSK                            | RB1#0              | 23.41      | -1.4     | 22.01     | 0.159   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB1#50             | 23.4       | -1.4     | 22.00     | 0.158   | 1.00 | Pass |
|                   |              |           |                       |                                 | RB1#99             | 23.28      | -1.4     | 21.88     | 0.154   | 1.00 | Pass |
|                   |              | RB50#0    |                       |                                 | 22.39              | -1.4       | 20.99    | 0.126     | 1.00    | Pass |      |
|                   |              | RB50#25   |                       |                                 | 22.51              | -1.4       | 21.11    | 0.129     | 1.00    | Pass |      |
|                   |              | RB50#50   |                       |                                 | 22.41              | -1.4       | 21.01    | 0.126     | 1.00    | Pass |      |
|                   |              | RB100#0   |                       | 22.48                           | -1.4               | 21.08      | 0.128    | 1.00      | Pass    |      |      |
|                   |              | 16-QAM    |                       | RB1#0                           | 23.13              | -1.4       | 21.73    | 0.149     | 1.00    | Pass |      |
| RB1#50            | 23.06        |           |                       | -1.4                            | 21.66              | 0.147      | 1.00     | Pass      |         |      |      |
| RB1#99            | 22.91        |           |                       | -1.4                            | 21.51              | 0.142      | 1.00     | Pass      |         |      |      |
| RB50#0            | 21.43        |           | -1.4                  | 20.03                           | 0.101              | 1.00       | Pass     |           |         |      |      |
| RB50#25           | 21.52        |           | -1.4                  | 20.12                           | 0.103              | 1.00       | Pass     |           |         |      |      |
| RB50#50           | 21.41        |           | -1.4                  | 20.01                           | 0.100              | 1.00       | Pass     |           |         |      |      |
| MCH               | QPSK         | RB100#0   | 21.51                 | -1.4                            | 20.11              | 0.103      | 1.00     | Pass      |         |      |      |
|                   |              | RB1#0     | 23.39                 | -1.4                            | 21.99              | 0.158      | 1.00     | Pass      |         |      |      |
|                   |              | RB1#50    | 23.46                 | -1.4                            | 22.06              | 0.161      | 1.00     | Pass      |         |      |      |
|                   |              | RB1#99    | 23.37                 | -1.4                            | 21.97              | 0.157      | 1.00     | Pass      |         |      |      |
|                   |              | RB50#0    | 22.45                 | -1.4                            | 21.05              | 0.127      | 1.00     | Pass      |         |      |      |
|                   |              | RB50#25   | 22.51                 | -1.4                            | 21.11              | 0.129      | 1.00     | Pass      |         |      |      |
|                   |              | RB50#50   | 22.53                 | -1.4                            | 21.13              | 0.130      | 1.00     | Pass      |         |      |      |
|                   | 16-QAM       | RB100#0   | 22.48                 | -1.4                            | 21.08              | 0.128      | 1.00     | Pass      |         |      |      |
|                   |              | RB1#0     | 22.76                 | -1.4                            | 21.36              | 0.137      | 1.00     | Pass      |         |      |      |
|                   |              | RB1#50    | 22.81                 | -1.4                            | 21.41              | 0.138      | 1.00     | Pass      |         |      |      |
|                   |              | RB1#99    | 22.66                 | -1.4                            | 21.26              | 0.134      | 1.00     | Pass      |         |      |      |
|                   |              | RB50#0    | 21.47                 | -1.4                            | 20.07              | 0.102      | 1.00     | Pass      |         |      |      |
|                   |              | RB50#25   | 21.48                 | -1.4                            | 20.08              | 0.102      | 1.00     | Pass      |         |      |      |
| HCH               | QPSK         | RB50#50   | 21.53                 | -1.4                            | 20.13              | 0.103      | 1.00     | Pass      |         |      |      |
|                   |              | RB100#0   | 21.46                 | -1.4                            | 20.06              | 0.101      | 1.00     | Pass      |         |      |      |
|                   |              | RB1#0     | 23.36                 | -1.4                            | 21.96              | 0.157      | 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#50                | 23.36                           | -1.4               | 21.96      | 0.157    | 1.00      | Pass    |
|                   |              |           | RB1#99                | 23.25                           | -1.4               | 21.85      | 0.153    | 1.00      | Pass    |
|                   |              |           | RB50#0                | 22.57                           | -1.4               | 21.17      | 0.131    | 1.00      | Pass    |
|                   |              |           | RB50#25               | 22.5                            | -1.4               | 21.10      | 0.129    | 1.00      | Pass    |
|                   |              |           | RB50#50               | 22.4                            | -1.4               | 21.00      | 0.126    | 1.00      | Pass    |
|                   |              |           | RB100#0               | 22.44                           | -1.4               | 21.04      | 0.127    | 1.00      | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.8                            | -1.4               | 21.40      | 0.138    | 1.00      | Pass    |
|                   |              |           | RB1#50                | 22.79                           | -1.4               | 21.39      | 0.138    | 1.00      | Pass    |
|                   |              |           | RB1#99                | 22.69                           | -1.4               | 21.29      | 0.135    | 1.00      | Pass    |
|                   |              |           | RB50#0                | 21.53                           | -1.4               | 20.13      | 0.103    | 1.00      | Pass    |
|                   |              |           | RB50#25               | 21.46                           | -1.4               | 20.06      | 0.101    | 1.00      | Pass    |
|                   |              |           | RB50#50               | 21.36                           | -1.4               | 19.96      | 0.099    | 1.00      | Pass    |
|                   |              |           | RB100#0               | 21.44                           | -1.4               | 20.04      | 0.101    | 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      | 23.08                           | 23.22 | 23.17 | -1.6               | 0.141    | 0.145 | 0.144 | 2.000     |
|                    | 50     | 0      | 100    | 0      | 21.28                           | 21.43 | 21.49 | -1.6               | 0.093    | 0.096 | 0.097 | 2.000     |
| 16-QAM             | 1      | 49     | 1      | 0      | 22.12                           | 21.98 | 21.82 | -1.6               | 0.113    | 0.109 | 0.105 | 2.000     |
|                    | 50     | 0      | 100    | 0      | 20.47                           | 20.39 | 20.5  | -1.6               | 0.077    | 0.076 | 0.078 | 2.000     |
| <b>20MHz+10MHz</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 99     | 1      | 0      | 23.11                           | 23.33 | 23.28 | -1.6               | 0.142    | 0.149 | 0.147 | 2.000     |
|                    | 100    | 0      | 50     | 0      | 21.43                           | 21.49 | 21.55 | -1.6               | 0.096    | 0.097 | 0.099 | 2.000     |
| 16-QAM             | 1      | 99     | 1      | 0      | 21.89                           | 22.63 | 22.64 | -1.6               | 0.107    | 0.127 | 0.127 | 2.000     |
|                    | 100    | 0      | 50     | 0      | 20.39                           | 20.49 | 20.53 | -1.6               | 0.076    | 0.077 | 0.078 | 2.000     |
| <b>15MHz+15MHz</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 74     | 1      | 0      | 23.4                            | 23.56 | 23.51 | -1.6               | 0.151    | 0.157 | 0.155 | 2.000     |
|                    | 75     | 0      | 75     | 0      | 21.48                           | 21.56 | 21.55 | -1.6               | 0.097    | 0.099 | 0.099 | 2.000     |
| 16-QAM             | 1      | 74     | 1      | 0      | 22.05                           | 22.7  | 22.16 | -1.6               | 0.111    | 0.129 | 0.114 | 2.000     |
|                    | 75     | 0      | 75     | 0      | 20.49                           | 20.59 | 20.56 | -1.6               | 0.077    | 0.079 | 0.079 | 2.000     |
| <b>15MHz+20MHz</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 74     | 1      | 0      | 23.05                           | 23.26 | 23.17 | -1.6               | 0.140    | 0.147 | 0.144 | 2.000     |
|                    | 75     | 0      | 100    | 0      | 21.35                           | 21.44 | 21.48 | -1.6               | 0.094    | 0.096 | 0.097 | 2.000     |
| 16-QAM             | 1      | 74     | 1      | 0      | 22.08                           | 21.85 | 22.19 | -1.6               | 0.112    | 0.106 | 0.115 | 2.000     |
|                    | 75     | 0      | 100    | 0      | 20.34                           | 20.43 | 20.41 | -1.6               | 0.075    | 0.076 | 0.076 | 2.000     |
| <b>20MHz+15MHz</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 99     | 1      | 0      | 23.38                           | 23.3  | 23.38 | -1.6               | 0.151    | 0.148 | 0.151 | 2.000     |
|                    | 100    | 0      | 75     | 0      | 21.5                            | 21.44 | 21.42 | -1.6               | 0.098    | 0.096 | 0.096 | 2.000     |
| 16-QAM             | 1      | 99     | 1      | 0      | 22.39                           | 22.15 | 22.42 | -1.6               | 0.120    | 0.114 | 0.121 | 2.000     |
|                    | 100    | 0      | 75     | 0      | 20.48                           | 20.43 | 20.39 | -1.6               | 0.077    | 0.076 | 0.076 | 2.000     |
| <b>20MHz+20MHz</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 99     | 1      | 0      | 23.1                            | 23.22 | 23.2  | -1.6               | 0.141    | 0.145 | 0.145 | 2.000     |
|                    | 100    | 0      | 100    | 0      | 21.34                           | 21.43 | 21.4  | -1.6               | 0.094    | 0.096 | 0.095 | 2.000     |
| 16-QAM             | 1      | 99     | 1      | 0      | 21.95                           | 22.24 | 22.31 | -1.6               | 0.108    | 0.116 | 0.118 | 2.000     |
|                    | 100    | 0      | 100    | 0      | 20.33                           | 20.44 | 20.43 | -1.6               | 0.075    | 0.077 | 0.076 | 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> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| 15MHz+15MHz   |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK          | 1      | 74     | 1      | 0      | 23.53                           | 23.55 | 23.55 | -1.7               | 0.152    | 0.153 | 0.153 | 2.000     |
|               | 75     | 0      | 75     | 0      | 21.63                           | 21.62 | 21.58 | -1.7               | 0.098    | 0.098 | 0.097 | 2.000     |
| 16-QAM        | 1      | 74     | 1      | 0      | 22.67                           | 22.55 | 22.7  | -1.7               | 0.125    | 0.122 | 0.126 | 2.000     |
|               | 75     | 0      | 75     | 0      | 20.63                           | 20.62 | 20.64 | -1.7               | 0.078    | 0.078 | 0.078 | 2.000     |
| 20MHz+20MHz   |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK          | 1      | 99     | 1      | 0      | 23.25                           | 23.28 | 23.38 | -1.7               | 0.143    | 0.144 | 0.147 | 2.000     |
|               | 100    | 0      | 100    | 0      | 21.53                           | 21.57 | 21.58 | -1.7               | 0.096    | 0.097 | 0.097 | 2.000     |
| 16-QAM        | 1      | 99     | 1      | 0      | 22.55                           | 22.54 | 22.5  | -1.7               | 0.122    | 0.121 | 0.120 | 2.000     |
|               | 100    | 0      | 100    | 0      | 20.54                           | 20.56 | 20.57 | -1.7               | 0.077    | 0.077 | 0.077 | 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      | 22.95                           | 23.2  | 22.91 | -1.6               | 0.136    | 0.145 | 0.135 | 2.000     |
|                    | 25     | 0      | 100    | 0      | 21.34                           | 21.41 | 21.15 | -1.6               | 0.094    | 0.096 | 0.090 | 2.000     |
| 16-QAM             | 1      | 24     | 1      | 0      | 22.14                           | 22.43 | 21.8  | -1.6               | 0.113    | 0.121 | 0.105 | 2.000     |
|                    | 25     | 0      | 100    | 0      | 20.28                           | 20.4  | 20.17 | -1.6               | 0.074    | 0.076 | 0.072 | 2.000     |
| <b>20MHz+5MHz</b>  |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 99     | 1      | 0      | 22.75                           | 23.19 | 22.87 | -1.6               | 0.130    | 0.144 | 0.134 | 2.000     |
|                    | 100    | 0      | 25     | 0      | 21.29                           | 21.51 | 21.33 | -1.6               | 0.093    | 0.098 | 0.094 | 2.000     |
| 16-QAM             | 1      | 99     | 1      | 0      | 21.52                           | 21.98 | 22.04 | -1.6               | 0.098    | 0.109 | 0.111 | 2.000     |
|                    | 100    | 0      | 25     | 0      | 20.3                            | 20.56 | 20.32 | -1.6               | 0.074    | 0.079 | 0.074 | 2.000     |
| <b>10MHz+20MHz</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 49     | 1      | 0      | 22.86                           | 23.06 | 22.75 | -1.6               | 0.134    | 0.140 | 0.130 | 2.000     |
|                    | 50     | 0      | 100    | 0      | 21.17                           | 21.37 | 21.18 | -1.6               | 0.091    | 0.095 | 0.091 | 2.000     |
| 16-QAM             | 1      | 49     | 1      | 0      | 21.97                           | 22.12 | 21.81 | -1.6               | 0.109    | 0.113 | 0.105 | 2.000     |
|                    | 50     | 0      | 100    | 0      | 20.16                           | 20.42 | 20.17 | -1.6               | 0.072    | 0.076 | 0.072 | 2.000     |
| <b>20MHz+10MHz</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 99     | 1      | 0      | 22.79                           | 23.18 | 22.9  | -1.6               | 0.132    | 0.144 | 0.135 | 2.000     |
|                    | 100    | 0      | 50     | 0      | 21.18                           | 21.43 | 21.24 | -1.6               | 0.091    | 0.096 | 0.092 | 2.000     |
| 16-QAM             | 1      | 99     | 1      | 0      | 21.54                           | 22.35 | 21.99 | -1.6               | 0.099    | 0.119 | 0.109 | 2.000     |
|                    | 100    | 0      | 50     | 0      | 20.05                           | 20.42 | 20.26 | -1.6               | 0.070    | 0.076 | 0.073 | 2.000     |
| <b>15MHz+15MHz</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 74     | 1      | 0      | 23.26                           | 23.46 | 23.1  | -1.6               | 0.147    | 0.153 | 0.141 | 2.000     |
|                    | 75     | 0      | 75     | 0      | 21.24                           | 21.44 | 21.39 | -1.6               | 0.092    | 0.096 | 0.095 | 2.000     |
| 16-QAM             | 1      | 74     | 1      | 0      | 22.42                           | 22.31 | 22.07 | -1.6               | 0.121    | 0.118 | 0.111 | 2.000     |
|                    | 75     | 0      | 75     | 0      | 20.44                           | 20.4  | 20.57 | -1.6               | 0.077    | 0.076 | 0.079 | 2.000     |
| <b>15MHz+20MHz</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 74     | 1      | 0      | 23.08                           | 23.21 | 22.92 | -1.6               | 0.141    | 0.145 | 0.136 | 2.000     |
|                    | 75     | 0      | 100    | 0      | 21.27                           | 21.38 | 21.26 | -1.6               | 0.093    | 0.095 | 0.092 | 2.000     |
| 16-QAM             | 1      | 74     | 1      | 0      | 22.07                           | 22.37 | 21.79 | -1.6               | 0.111    | 0.119 | 0.104 | 2.000     |
|                    | 75     | 0      | 100    | 0      | 20.24                           | 20.45 | 20.12 | -1.6               | 0.073    | 0.077 | 0.071 | 2.000     |
| <b>20MHz+15MHz</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 99     | 1      | 0      | 23.36                           | 23.16 | 23    | -1.6               | 0.150    | 0.143 | 0.138 | 2.000     |
|                    | 100    | 0      | 75     | 0      | 21.4                            | 21.3  | 21.21 | -1.6               | 0.095    | 0.093 | 0.091 | 2.000     |
| 16-QAM             | 1      | 99     | 1      | 0      | 22.48                           | 22.46 | 22.36 | -1.6               | 0.122    | 0.122 | 0.119 | 2.000     |
|                    | 100    | 0      | 75     | 0      | 20.43                           | 20.32 | 20.24 | -1.6               | 0.076    | 0.074 | 0.073 | 2.000     |
| <b>20MHz+20MHz</b> |        |        |        |        |                                 |       |       |                    |          |       |       |           |
| QPSK               | 1      | 99     | 1      | 0      | 23.09                           | 23.03 | 22.76 | -1.6               | 0.141    | 0.139 | 0.131 | 2.000     |
|                    | 100    | 0      | 100    | 0      | 21.16                           | 21.27 | 21.1  | -1.6               | 0.090    | 0.093 | 0.089 | 2.000     |
| 16-QAM             | 1      | 99     | 1      | 0      | 22.46                           | 22.4  | 22.19 | -1.6               | 0.122    | 0.120 | 0.115 | 2.000     |
|                    | 100    | 0      | 100    | 0      | 20.22                           | 20.33 | 20.09 | -1.6               | 0.073    | 0.075 | 0.071 | 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              | 23.64                          | 0.033   | 7.000     | Pass    |
|            |              |           | 1            | 1              | 23.48                          | 0.032   | 7.000     | Pass    |
|            |              |           | 1            | 23             | 23.28                          | 0.030   | 7.000     | Pass    |
|            |              | QPSK      | 12           | 6              | 23.68                          | 0.033   | 7.000     | Pass    |
|            |              |           | 1            | 1              | 23.46                          | 0.032   | 7.000     | Pass    |
|            |              |           | 1            | 23             | 23.24                          | 0.030   | 7.000     | Pass    |
|            | MCH          | PI/2 BPSK | 12           | 6              | 23.75                          | 0.034   | 7.000     | Pass    |
|            |              |           | 1            | 1              | 23.5                           | 0.032   | 7.000     | Pass    |
|            |              |           | 1            | 23             | 23.36                          | 0.031   | 7.000     | Pass    |
|            |              | QPSK      | 12           | 6              | 23.75                          | 0.034   | 7.000     | Pass    |
|            |              |           | 1            | 1              | 23.48                          | 0.032   | 7.000     | Pass    |
|            |              |           | 1            | 23             | 23.26                          | 0.030   | 7.000     | Pass    |
|            | HCH          | PI/2 BPSK | 12           | 6              | 23.72                          | 0.034   | 7.000     | Pass    |
|            |              |           | 1            | 1              | 23.49                          | 0.032   | 7.000     | Pass    |
|            |              |           | 1            | 23             | 23.28                          | 0.030   | 7.000     | Pass    |
|            |              | QPSK      | 12           | 6              | 23.74                          | 0.034   | 7.000     | Pass    |
|            |              |           | 1            | 1              | 23.48                          | 0.032   | 7.000     | Pass    |
|            |              |           | 1            | 23             | 23.24                          | 0.030   | 7.000     | Pass    |
| 15         | LCH          | PI/2 BPSK | 36           | 18             | 23.51                          | 0.032   | 7.000     | Pass    |
|            |              |           | 1            | 1              | 23.54                          | 0.032   | 7.000     | Pass    |
|            |              |           | 1            | 77             | 23.59                          | 0.033   | 7.000     | Pass    |
|            |              | QPSK      | 36           | 18             | 23.48                          | 0.032   | 7.000     | Pass    |
|            |              |           | 1            | 1              | 23.47                          | 0.032   | 7.000     | Pass    |
|            |              |           | 1            | 77             | 23.51                          | 0.032   | 7.000     | Pass    |
|            | MCH          | PI/2 BPSK | 36           | 18             | 23.34                          | 0.031   | 7.000     | Pass    |
|            |              |           | 1            | 1              | 23.41                          | 0.031   | 7.000     | Pass    |
|            |              |           | 1            | 77             | 23.45                          | 0.032   | 7.000     | Pass    |
|            |              | QPSK      | 36           | 18             | 23.33                          | 0.031   | 7.000     | Pass    |
|            |              |           | 1            | 1              | 23.31                          | 0.031   | 7.000     | Pass    |
|            |              |           | 1            | 77             | 23.34                          | 0.031   | 7.000     | Pass    |
|            | HCH          | PI/2 BPSK | 36           | 18             | 23.33                          | 0.031   | 7.000     | Pass    |
|            |              |           | 1            | 1              | 23.44                          | 0.032   | 7.000     | Pass    |
|            |              |           | 1            | 77             | 23.45                          | 0.032   | 7.000     | Pass    |
|            |              | QPSK      | 36           | 18             | 23.33                          | 0.031   | 7.000     | Pass    |
|            |              |           | 1            | 1              | 23.36                          | 0.031   | 7.000     | Pass    |
|            |              |           | 1            | 77             | 23.37                          | 0.031   | 7.000     | Pass    |
| 20         | LCH          | PI/2 BPSK | 50           | 25             | 23.26                          | 0.030   | 7.000     | Pass    |
|            |              |           | 1            | 1              | 23.39                          | 0.031   | 7.000     | Pass    |
|            |              |           | 1            | 104            | 23.18                          | 0.030   | 7.000     | Pass    |
|            |              | QPSK      | 50           | 25             | 23.23                          | 0.030   | 7.000     | Pass    |

|  |     |           |    |     |       |       |       |      |
|--|-----|-----------|----|-----|-------|-------|-------|------|
|  |     |           | 1  | 1   | 23.29 | 0.030 | 7.000 | Pass |
|  |     |           | 1  | 104 | 23.07 | 0.029 | 7.000 | Pass |
|  | MCH | PI/2 BPSK | 50 | 25  | 23.21 | 0.030 | 7.000 | Pass |
|  |     |           | 1  | 1   | 23.37 | 0.031 | 7.000 | Pass |
|  |     |           | 1  | 104 | 23.15 | 0.030 | 7.000 | Pass |
|  |     | QPSK      | 50 | 25  | 23.22 | 0.030 | 7.000 | Pass |
|  |     |           | 1  | 1   | 23.27 | 0.030 | 7.000 | Pass |
|  |     |           | 1  | 104 | 23.06 | 0.029 | 7.000 | Pass |
|  | HCH | PI/2 BPSK | 50 | 25  | 23.21 | 0.030 | 7.000 | Pass |
|  |     |           | 1  | 1   | 23.4  | 0.031 | 7.000 | Pass |
|  |     |           | 1  | 104 | 23.15 | 0.030 | 7.000 | Pass |
|  |     | QPSK      | 50 | 25  | 23.2  | 0.030 | 7.000 | Pass |
|  |     |           | 1  | 1   | 23.32 | 0.031 | 7.000 | Pass |
|  |     |           | 1  | 104 | 23.08 | 0.029 | 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          | PI/2 BPSK | 12           | 6              | 23.61                          | 0.159    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 23.49                          | 0.155    | 2.000     | Pass    |
|            |              |           | 1            | 23             | 23.35                          | 0.150    | 2.000     | Pass    |
|            |              | QPSK      | 12           | 6              | 23.75                          | 0.164    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 23.57                          | 0.157    | 2.000     | Pass    |
|            |              |           | 1            | 23             | 23.37                          | 0.150    | 2.000     | Pass    |
|            | MCH          | PI/2 BPSK | 12           | 6              | 23.42                          | 0.152    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 23.26                          | 0.147    | 2.000     | Pass    |
|            |              |           | 1            | 23             | 23.05                          | 0.140    | 2.000     | Pass    |
|            |              | QPSK      | 12           | 6              | 23.59                          | 0.158    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 23.33                          | 0.149    | 2.000     | Pass    |
|            |              |           | 1            | 23             | 23.11                          | 0.142    | 2.000     | Pass    |
|            | HCH          | PI/2 BPSK | 12           | 6              | 23.38                          | 0.151    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 23.2                           | 0.145    | 2.000     | Pass    |
|            |              |           | 1            | 23             | 23.26                          | 0.147    | 2.000     | Pass    |
|            |              | QPSK      | 12           | 6              | 23.6                           | 0.158    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 23.28                          | 0.147    | 2.000     | Pass    |
|            |              |           | 1            | 23             | 23.27                          | 0.147    | 2.000     | Pass    |
| 15         | LCH          | PI/2 BPSK | 36           | 18             | 23.4                           | 0.151    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 23.65                          | 0.160    | 2.000     | Pass    |
|            |              |           | 1            | 77             | 23.6                           | 0.158    | 2.000     | Pass    |
|            |              | QPSK      | 36           | 18             | 23.53                          | 0.156    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 23.68                          | 0.161    | 2.000     | Pass    |
|            |              |           | 1            | 77             | 23.59                          | 0.158    | 2.000     | Pass    |
|            | MCH          | PI/2 BPSK | 36           | 18             | 23.2                           | 0.145    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 23.58                          | 0.158    | 2.000     | Pass    |
|            |              |           | 1            | 77             | 23.5                           | 0.155    | 2.000     | Pass    |
|            |              | QPSK      | 36           | 18             | 23.38                          | 0.151    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 23.51                          | 0.155    | 2.000     | Pass    |
|            |              |           | 1            | 77             | 23.45                          | 0.153    | 2.000     | Pass    |
|            | HCH          | PI/2 BPSK | 36           | 18             | 23.22                          | 0.145    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 23.52                          | 0.156    | 2.000     | Pass    |
|            |              |           | 1            | 77             | 23.59                          | 0.158    | 2.000     | Pass    |
|            |              | QPSK      | 36           | 18             | 23.41                          | 0.152    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 23.47                          | 0.154    | 2.000     | Pass    |
|            |              |           | 1            | 77             | 23.51                          | 0.155    | 2.000     | Pass    |
| 20         | LCH          | PI/2 BPSK | 50           | 25             | 23.41                          | 0.152    | 2.000     | Pass    |
|            |              |           | 1            | 1              | 23.75                          | 0.164    | 2.000     | Pass    |
|            |              |           | 1            | 104            | 23.48                          | 0.154    | 2.000     | Pass    |
|            |              | QPSK      | 50           | 25             | 23.49                          | 0.155    | 2.000     | Pass    |

|  |     |           |    |     |       |       |       |      |
|--|-----|-----------|----|-----|-------|-------|-------|------|
|  |     |           | 1  | 1   | 23.76 | 0.164 | 2.000 | Pass |
|  |     |           | 1  | 104 | 23.42 | 0.152 | 2.000 | Pass |
|  | MCH | PI/2 BPSK | 50 | 25  | 23.11 | 0.142 | 2.000 | Pass |
|  |     |           | 1  | 1   | 23.52 | 0.156 | 2.000 | Pass |
|  |     |           | 1  | 104 | 23.23 | 0.146 | 2.000 | Pass |
|  |     | QPSK      | 50 | 25  | 23.24 | 0.146 | 2.000 | Pass |
|  |     |           | 1  | 1   | 23.53 | 0.156 | 2.000 | Pass |
|  |     |           | 1  | 104 | 23.16 | 0.143 | 2.000 | Pass |
|  | HCH | PI/2 BPSK | 50 | 25  | 23.2  | 0.145 | 2.000 | Pass |
|  |     |           | 1  | 1   | 23.61 | 0.159 | 2.000 | Pass |
|  |     |           | 1  | 104 | 23.31 | 0.148 | 2.000 | Pass |
|  |     | QPSK      | 50 | 25  | 23.32 | 0.149 | 2.000 | Pass |
|  |     |           | 1  | 1   | 23.58 | 0.158 | 2.000 | Pass |
|  |     |           | 1  | 104 | 23.2  | 0.145 | 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             | 23.64                          | 0.156    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.75                          | 0.160    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 23.68                          | 0.158    | 2.000     | Pass    |
|             |              | QPSK      | 25           | 12             | 23.65                          | 0.157    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.72                          | 0.159    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 23.64                          | 0.156    | 2.000     | Pass    |
|             | MCH          | PI/2 BPSK | 25           | 12             | 23.65                          | 0.157    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.91                          | 0.166    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 23.67                          | 0.157    | 2.000     | Pass    |
|             |              | QPSK      | 25           | 12             | 23.66                          | 0.157    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.99                          | 0.169    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 23.68                          | 0.158    | 2.000     | Pass    |
|             | HCH          | PI/2 BPSK | 25           | 12             | 23.64                          | 0.156    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.89                          | 0.166    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 23.64                          | 0.156    | 2.000     | Pass    |
|             |              | QPSK      | 25           | 12             | 23.63                          | 0.156    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.91                          | 0.166    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 23.62                          | 0.156    | 2.000     | Pass    |
| 30          | LCH          | PI/2 BPSK | 36           | 18             | 23.67                          | 0.157    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23                             | 0.135    | 2.000     | Pass    |
|             |              |           | 1            | 77             | 23.3                           | 0.145    | 2.000     | Pass    |
|             |              | QPSK      | 36           | 18             | 23.54                          | 0.153    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.01                          | 0.135    | 2.000     | Pass    |
|             |              |           | 1            | 77             | 23.3                           | 0.145    | 2.000     | Pass    |
|             | MCH          | PI/2 BPSK | 36           | 18             | 23.62                          | 0.156    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.18                          | 0.141    | 2.000     | Pass    |
|             |              |           | 1            | 77             | 23.3                           | 0.145    | 2.000     | Pass    |
|             |              | QPSK      | 36           | 18             | 23.65                          | 0.157    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.22                          | 0.142    | 2.000     | Pass    |
|             |              |           | 1            | 77             | 23.32                          | 0.145    | 2.000     | Pass    |
|             | HCH          | PI/2 BPSK | 36           | 18             | 23.55                          | 0.153    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.09                          | 0.138    | 2.000     | Pass    |
|             |              |           | 1            | 77             | 23.26                          | 0.143    | 2.000     | Pass    |
|             |              | QPSK      | 36           | 18             | 23.56                          | 0.153    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.1                           | 0.138    | 2.000     | Pass    |
|             |              |           | 1            | 77             | 23.24                          | 0.143    | 2.000     | Pass    |
| 40          | LCH          | PI/2 BPSK | 50           | 25             | 23.65                          | 0.157    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 22.92                          | 0.132    | 2.000     | Pass    |
|             |              |           | 1            | 105            | 23.03                          | 0.136    | 2.000     | Pass    |
|             |              | QPSK      | 50           | 25             | 23.66                          | 0.157    | 2.000     | Pass    |



|  |     |           |    |     |       |       |       |      |
|--|-----|-----------|----|-----|-------|-------|-------|------|
|  |     |           | 1  | 1   | 22.86 | 0.131 | 2.000 | Pass |
|  |     |           | 1  | 105 | 22.73 | 0.127 | 2.000 | Pass |
|  | MCH | PI/2 BPSK | 50 | 25  | 23.67 | 0.157 | 2.000 | Pass |
|  |     |           | 1  | 1   | 22.96 | 0.134 | 2.000 | Pass |
|  |     |           | 1  | 105 | 22.7  | 0.126 | 2.000 | Pass |
|  |     | QPSK      | 50 | 25  | 23.68 | 0.158 | 2.000 | Pass |
|  |     |           | 1  | 1   | 23    | 0.135 | 2.000 | Pass |
|  |     |           | 1  | 105 | 22.67 | 0.125 | 2.000 | Pass |
|  | HCH | PI/2 BPSK | 50 | 25  | 23.66 | 0.157 | 2.000 | Pass |
|  |     |           | 1  | 1   | 23    | 0.135 | 2.000 | Pass |
|  |     |           | 1  | 105 | 22.77 | 0.128 | 2.000 | Pass |
|  |     | QPSK      | 50 | 25  | 23.71 | 0.159 | 2.000 | Pass |
|  |     |           | 1  | 1   | 23.05 | 0.136 | 2.000 | Pass |
|  |     |           | 1  | 105 | 22.73 | 0.127 | 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             | 23.63                          | 0.160    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 24.04                          | 0.175    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 23.73                          | 0.163    | 2.000     | Pass    |
|             |              | QPSK      | 25           | 12             | 23.69                          | 0.162    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 24                             | 0.174    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 23.66                          | 0.161    | 2.000     | Pass    |
|             | MCH          | PI/2 BPSK | 25           | 12             | 23.63                          | 0.160    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.88                          | 0.169    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 23.69                          | 0.162    | 2.000     | Pass    |
|             |              | QPSK      | 25           | 12             | 23.66                          | 0.161    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.92                          | 0.171    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 23.67                          | 0.161    | 2.000     | Pass    |
|             | HCH          | PI/2 BPSK | 25           | 12             | 23.6                           | 0.158    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.71                          | 0.163    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 23.68                          | 0.161    | 2.000     | Pass    |
|             |              | QPSK      | 25           | 12             | 23.69                          | 0.162    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.78                          | 0.165    | 2.000     | Pass    |
|             |              |           | 1            | 49             | 23.69                          | 0.162    | 2.000     | Pass    |
| 60          | LCH          | PI/2 BPSK | 81           | 40             | 23.64                          | 0.160    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.18                          | 0.144    | 2.000     | Pass    |
|             |              |           | 1            | 160            | 23.2                           | 0.145    | 2.000     | Pass    |
|             |              | QPSK      | 81           | 40             | 23.64                          | 0.160    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.15                          | 0.143    | 2.000     | Pass    |
|             |              |           | 1            | 160            | 23.19                          | 0.144    | 2.000     | Pass    |
|             | MCH          | PI/2 BPSK | 81           | 40             | 23.67                          | 0.161    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 22.87                          | 0.134    | 2.000     | Pass    |
|             |              |           | 1            | 160            | 23.22                          | 0.145    | 2.000     | Pass    |
|             |              | QPSK      | 81           | 40             | 23.67                          | 0.161    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 22.86                          | 0.134    | 2.000     | Pass    |
|             |              |           | 1            | 160            | 23.27                          | 0.147    | 2.000     | Pass    |
|             | HCH          | PI/2 BPSK | 81           | 40             | 23.61                          | 0.159    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.1                           | 0.141    | 2.000     | Pass    |
|             |              |           | 1            | 160            | 23.28                          | 0.147    | 2.000     | Pass    |
|             |              | QPSK      | 81           | 40             | 23.57                          | 0.157    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.05                          | 0.140    | 2.000     | Pass    |
|             |              |           | 1            | 160            | 23.35                          | 0.150    | 2.000     | Pass    |
| 100         | LCH          | PI/2 BPSK | 135          | 67             | 23.54                          | 0.156    | 2.000     | Pass    |
|             |              |           | 1            | 1              | 23.23                          | 0.146    | 2.000     | Pass    |
|             |              |           | 1            | 271            | 22.53                          | 0.124    | 2.000     | Pass    |
|             |              | QPSK      | 135          | 67             | 23.52                          | 0.156    | 2.000     | Pass    |

|  |     |           |     |     |       |       |       |      |
|--|-----|-----------|-----|-----|-------|-------|-------|------|
|  |     |           | 1   | 1   | 23.18 | 0.144 | 2.000 | Pass |
|  |     |           | 1   | 271 | 22.46 | 0.122 | 2.000 | Pass |
|  | MCH | PI/2 BPSK | 135 | 67  | 23.54 | 0.156 | 2.000 | Pass |
|  |     |           | 1   | 1   | 23.16 | 0.143 | 2.000 | Pass |
|  |     |           | 1   | 271 | 22.46 | 0.122 | 2.000 | Pass |
|  |     | QPSK      | 135 | 67  | 23.59 | 0.158 | 2.000 | Pass |
|  |     |           | 1   | 1   | 23.19 | 0.144 | 2.000 | Pass |
|  |     |           | 1   | 271 | 22.49 | 0.123 | 2.000 | Pass |
|  | HCH | PI/2 BPSK | 135 | 67  | 23.53 | 0.156 | 2.000 | Pass |
|  |     |           | 1   | 1   | 23.08 | 0.141 | 2.000 | Pass |
|  |     |           | 1   | 271 | 22.6  | 0.126 | 2.000 | Pass |
|  |     | QPSK      | 135 | 67  | 23.53 | 0.156 | 2.000 | Pass |
|  |     |           | 1   | 1   | 23.12 | 0.142 | 2.000 | Pass |
|  |     |           | 1   | 271 | 22.58 | 0.125 | 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_n7A                    |              |           |              |               |               |                |                                 |                                  |                                    |          |           |         |
| 10MHz(LTE)<br>+<br>5MHz(NR)  | LCH          | PI/2 BPSK | 12           | 6             | 50            | 0              | 23.24                           | -39.9                            | 23.24                              | 0.146    | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 22.88                           | -39.9                            | 22.88                              | 0.134    | 2.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 49             | 22.9                            | -39.83                           | 22.9                               | 0.135    | 2.000     | Pass    |
|                              |              | QPSK      | 12           | 6             | 50            | 0              | 23.23                           | -39.84                           | 23.23                              | 0.146    | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 22.95                           | -39.77                           | 22.96                              | 0.137    | 2.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 49             | 22.92                           | -39.74                           | 22.92                              | 0.136    | 2.000     | Pass    |
|                              | MCH          | PI/2 BPSK | 12           | 6             | 50            | 0              | 23.2                            | -39.77                           | 23.2                               | 0.145    | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 22.98                           | -39.74                           | 22.98                              | 0.137    | 2.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 49             | 22.85                           | -39.81                           | 22.85                              | 0.133    | 2.000     | Pass    |
|                              |              | QPSK      | 12           | 6             | 50            | 0              | 23.2                            | -39.81                           | 23.2                               | 0.145    | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 22.93                           | -39.72                           | 22.93                              | 0.136    | 2.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 49             | 22.71                           | -39.72                           | 22.72                              | 0.129    | 2.000     | Pass    |
|                              | HCH          | PI/2 BPSK | 12           | 6             | 50            | 0              | 23.35                           | -39.76                           | 23.35                              | 0.150    | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.1                            | -39.81                           | 23.1                               | 0.141    | 2.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 49             | 22.86                           | -39.84                           | 22.86                              | 0.134    | 2.000     | Pass    |
|                              |              | QPSK      | 12           | 6             | 50            | 0              | 23.38                           | -39.69                           | 23.38                              | 0.151    | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.2                            | -39.77                           | 23.2                               | 0.145    | 2.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 49             | 22.91                           | -39.76                           | 22.91                              | 0.135    | 2.000     | Pass    |
| 10MHz(LTE)<br>+<br>15MHz(NR) | LCH          | PI/2 BPSK | 36           | 18            | 50            | 0              | 23.08                           | -39.79                           | 23.08                              | 0.141    | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.09                           | -39.83                           | 23.1                               | 0.141    | 2.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 49             | 23.17                           | -39.8                            | 23.17                              | 0.144    | 2.000     | Pass    |
|                              |              | QPSK      | 36           | 18            | 50            | 0              | 23.17                           | -39.87                           | 23.17                              | 0.144    | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.06                           | -39.86                           | 23.06                              | 0.140    | 2.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 49             | 23.16                           | -39.86                           | 23.16                              | 0.143    | 2.000     | Pass    |
|                              | MCH          | PI/2 BPSK | 36           | 18            | 50            | 0              | 23.04                           | -39.82                           | 23.04                              | 0.139    | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 22.95                           | -39.68                           | 22.95                              | 0.136    | 2.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 49             | 23.07                           | -39.74                           | 23.07                              | 0.140    | 2.000     | Pass    |
|                              |              | QPSK      | 36           | 18            | 50            | 0              | 23.04                           | -39.73                           | 23.04                              | 0.139    | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 22.94                           | -39.77                           | 22.94                              | 0.136    | 2.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 49             | 23.06                           | -39.78                           | 23.06                              | 0.140    | 2.000     | Pass    |
|                              | HCH          | PI/2 BPSK | 36           | 18            | 50            | 0              | 23.14                           | -39.8                            | 23.14                              | 0.143    | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.16                           | -39.81                           | 23.16                              | 0.143    | 2.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 49             | 23                              | -39.76                           | 23                                 | 0.138    | 2.000     | Pass    |
|                              |              | QPSK      | 36           | 18            | 50            | 0              | 23.15                           | -39.76                           | 23.15                              | 0.143    | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.08                           | -39.74                           | 23.08                              | 0.141    | 2.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 49             | 22.98                           | -39.85                           | 22.99                              | 0.138    | 2.000     | Pass    |
| 10MHz(LTE)<br>+              | LCH          | PI/2 BPSK | 50           | 25            | 50            | 0              | 23.11                           | -39.86                           | 23.11                              | 0.142    | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.2                            | -39.85                           | 23.2                               | 0.145    | 2.000     | Pass    |

|           |     |              |     |     |    |       |        |        |       |       |       |      |
|-----------|-----|--------------|-----|-----|----|-------|--------|--------|-------|-------|-------|------|
| 20MHz(NR) |     | 1            | 104 | 1   | 49 | 22.82 | -39.84 | 22.82  | 0.132 | 2.000 | Pass  |      |
|           |     | QPSK         | 50  | 25  | 50 | 0     | 23.03  | -39.79 | 23.03 | 0.139 | 2.000 | Pass |
|           |     |              | 1   | 1   | 1  | 0     | 23.19  | -39.81 | 23.19 | 0.144 | 2.000 | Pass |
|           |     |              | 1   | 104 | 1  | 49    | 22.78  | -39.78 | 22.78 | 0.131 | 2.000 | Pass |
|           | MCH | PI/2<br>BPSK | 50  | 25  | 50 | 0     | 22.98  | -39.81 | 22.98 | 0.137 | 2.000 | Pass |
|           |     |              | 1   | 1   | 1  | 0     | 22.96  | -39.81 | 22.97 | 0.137 | 2.000 | Pass |
|           |     |              | 1   | 104 | 1  | 49    | 22.78  | -39.77 | 22.78 | 0.131 | 2.000 | Pass |
|           |     | QPSK         | 50  | 25  | 50 | 0     | 22.88  | -39.79 | 22.88 | 0.134 | 2.000 | Pass |
|           |     |              | 1   | 1   | 1  | 0     | 22.71  | -39.69 | 22.71 | 0.129 | 2.000 | Pass |
|           |     |              | 1   | 104 | 1  | 49    | 22.75  | -39.76 | 22.75 | 0.130 | 2.000 | Pass |
|           | HCH | PI/2<br>BPSK | 50  | 25  | 50 | 0     | 23.05  | -39.77 | 23.05 | 0.140 | 2.000 | Pass |
|           |     |              | 1   | 1   | 1  | 0     | 23.2   | -39.79 | 23.2  | 0.145 | 2.000 | Pass |
|           |     |              | 1   | 104 | 1  | 49    | 22.73  | -39.81 | 22.74 | 0.130 | 2.000 | Pass |
|           |     | QPSK         | 50  | 25  | 50 | 0     | 23.07  | -39.76 | 23.07 | 0.140 | 2.000 | Pass |
|           |     |              | 1   | 1   | 1  | 0     | 23.11  | -39.82 | 23.11 | 0.142 | 2.000 | Pass |
|           |     |              | 1   | 104 | 1  | 49    | 22.76  | -39.77 | 22.76 | 0.131 | 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) | ERP (W) | Limit (W) | Verdict |
|------------------------------|--------------|-----------|--------------|---------------|---------------|----------------|---------------------------------|----------------------------------|------------------------------------|---------|-----------|---------|
| DC_7A_n5A                    |              |           |              |               |               |                |                                 |                                  |                                    |         |           |         |
| 20MHz(LTE)<br>+<br>5MHz(NR)  | LCH          | PI/2 BPSK | 12           | 6             | 100           | 0              | 23.69                           | -35.42                           | 23.69                              | 0.033   | 7.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.42                           | -35.45                           | 23.42                              | 0.031   | 7.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 23.23                           | -35.41                           | 23.23                              | 0.030   | 7.000     | Pass    |
|                              |              | QPSK      | 12           | 6             | 100           | 0              | 23.71                           | -35.45                           | 23.71                              | 0.034   | 7.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.51                           | -35.44                           | 23.51                              | 0.032   | 7.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 23.27                           | -35.4                            | 23.27                              | 0.030   | 7.000     | Pass    |
|                              | MCH          | PI/2 BPSK | 12           | 6             | 100           | 0              | 23.83                           | -35.46                           | 23.83                              | 0.035   | 7.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.49                           | -35.47                           | 23.49                              | 0.032   | 7.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 23.35                           | -35.52                           | 23.35                              | 0.031   | 7.000     | Pass    |
|                              |              | QPSK      | 12           | 6             | 100           | 0              | 23.77                           | -35.46                           | 23.77                              | 0.034   | 7.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.38                           | -35.48                           | 23.38                              | 0.031   | 7.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 23.3                            | -35.49                           | 23.3                               | 0.031   | 7.000     | Pass    |
|                              | HCH          | PI/2 BPSK | 12           | 6             | 100           | 0              | 23.74                           | -35.43                           | 23.74                              | 0.034   | 7.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.53                           | -35.4                            | 23.53                              | 0.032   | 7.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 23.26                           | -35.44                           | 23.26                              | 0.030   | 7.000     | Pass    |
|                              |              | QPSK      | 12           | 6             | 100           | 0              | 23.73                           | -35.42                           | 23.73                              | 0.034   | 7.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.52                           | -35.37                           | 23.52                              | 0.032   | 7.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 23.33                           | -35.43                           | 23.33                              | 0.031   | 7.000     | Pass    |
| 20MHz(LTE)<br>+<br>15MHz(NR) | LCH          | PI/2 BPSK | 36           | 18            | 100           | 0              | 23.46                           | -35.39                           | 23.46                              | 0.032   | 7.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.66                           | -35.35                           | 23.66                              | 0.033   | 7.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 23.58                           | -35.39                           | 23.58                              | 0.033   | 7.000     | Pass    |
|                              |              | QPSK      | 36           | 18            | 100           | 0              | 23.47                           | -35.45                           | 23.47                              | 0.032   | 7.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.54                           | -35.37                           | 23.54                              | 0.032   | 7.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 23.61                           | -35.35                           | 23.61                              | 0.033   | 7.000     | Pass    |
|                              | MCH          | PI/2 BPSK | 36           | 18            | 100           | 0              | 23.41                           | -35.53                           | 23.42                              | 0.031   | 7.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.46                           | -35.51                           | 23.46                              | 0.032   | 7.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 23.4                            | -35.45                           | 23.4                               | 0.031   | 7.000     | Pass    |
|                              |              | QPSK      | 36           | 18            | 100           | 0              | 23.32                           | -35.52                           | 23.32                              | 0.031   | 7.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.39                           | -35.49                           | 23.39                              | 0.031   | 7.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 23.35                           | -35.49                           | 23.35                              | 0.031   | 7.000     | Pass    |
|                              | HCH          | PI/2 BPSK | 36           | 18            | 100           | 0              | 23.36                           | -35.38                           | 23.36                              | 0.031   | 7.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.45                           | -35.39                           | 23.46                              | 0.032   | 7.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 23.41                           | -35.39                           | 23.41                              | 0.031   | 7.000     | Pass    |
|                              |              | QPSK      | 36           | 18            | 100           | 0              | 23.32                           | -35.42                           | 23.32                              | 0.031   | 7.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.44                           | -35.42                           | 23.44                              | 0.032   | 7.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 23.39                           | -35.47                           | 23.39                              | 0.031   | 7.000     | Pass    |
| 20MHz(LTE)<br>+              | LCH          | PI/2 BPSK | 50           | 25            | 100           | 0              | 23.28                           | -35.41                           | 23.28                              | 0.030   | 7.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.48                           | -35.43                           | 23.48                              | 0.032   | 7.000     | Pass    |

|           |     |              |     |     |     |       |        |        |       |       |       |      |
|-----------|-----|--------------|-----|-----|-----|-------|--------|--------|-------|-------|-------|------|
| 20MHz(NR) |     | 1            | 104 | 1   | 99  | 23.15 | -35.36 | 23.15  | 0.030 | 7.000 | Pass  |      |
|           |     | QPSK         | 50  | 25  | 100 | 0     | 23.31  | -35.43 | 23.31 | 0.031 | 7.000 | Pass |
|           |     |              | 1   | 1   | 1   | 0     | 23.31  | -35.35 | 23.31 | 0.031 | 7.000 | Pass |
|           |     |              | 1   | 104 | 1   | 99    | 23.14  | -35.36 | 23.14 | 0.029 | 7.000 | Pass |
|           | MCH | PI/2<br>BPSK | 50  | 25  | 100 | 0     | 23.26  | -35.49 | 23.26 | 0.030 | 7.000 | Pass |
|           |     |              | 1   | 1   | 1   | 0     | 23.44  | -35.53 | 23.44 | 0.032 | 7.000 | Pass |
|           |     |              | 1   | 104 | 1   | 99    | 23.22  | -35.48 | 23.22 | 0.030 | 7.000 | Pass |
|           |     | QPSK         | 50  | 25  | 100 | 0     | 23.34  | -35.47 | 23.34 | 0.031 | 7.000 | Pass |
|           |     |              | 1   | 1   | 1   | 0     | 23.33  | -35.53 | 23.33 | 0.031 | 7.000 | Pass |
|           |     |              | 1   | 104 | 1   | 99    | 23.12  | -35.52 | 23.12 | 0.029 | 7.000 | Pass |
|           | HCH | PI/2<br>BPSK | 50  | 25  | 100 | 0     | 23.25  | -35.44 | 23.25 | 0.030 | 7.000 | Pass |
|           |     |              | 1   | 1   | 1   | 0     | 23.5   | -35.45 | 23.5  | 0.032 | 7.000 | Pass |
|           |     |              | 1   | 104 | 1   | 99    | 23.2   | -35.46 | 23.2  | 0.030 | 7.000 | Pass |
|           |     | QPSK         | 50  | 25  | 100 | 0     | 23.27  | -35.45 | 23.27 | 0.030 | 7.000 | Pass |
|           |     |              | 1   | 1   | 1   | 0     | 23.32  | -35.4  | 23.32 | 0.031 | 7.000 | Pass |
|           |     |              | 1   | 104 | 1   | 99    | 23.14  | -35.37 | 23.14 | 0.029 | 7.000 | 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) | EIR P (W) | Limit (W) | Verdict |
|------------------------------|--------------|-----------|--------------|---------------|---------------|----------------|---------------------------------|----------------------------------|------------------------------------|-----------|-----------|---------|
| DC_7A_n7A                    |              |           |              |               |               |                |                                 |                                  |                                    |           |           |         |
| 20MHz(LTE)<br>+<br>5MHz(NR)  | LCH          | PI/2 BPSK | 12           | 6             | 100           | 0              | 23.23                           | -34.46                           | 23.23                              | 0.146     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23                              | -35.1                            | 23.00                              | 0.138     | 2.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 22.91                           | -34.51                           | 22.91                              | 0.135     | 2.000     | Pass    |
|                              |              | QPSK      | 12           | 6             | 100           | 0              | 23.34                           | -34.43                           | 23.34                              | 0.149     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 22.88                           | -35.07                           | 22.88                              | 0.134     | 2.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 22.74                           | -34.53                           | 22.74                              | 0.130     | 2.000     | Pass    |
|                              | MCH          | PI/2 BPSK | 12           | 6             | 100           | 0              | 23.25                           | -33.87                           | 23.25                              | 0.146     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 22.96                           | -33.96                           | 22.96                              | 0.137     | 2.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 22.77                           | -33.93                           | 22.77                              | 0.131     | 2.000     | Pass    |
|                              |              | QPSK      | 12           | 6             | 100           | 0              | 23.27                           | -33.86                           | 23.27                              | 0.147     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 22.97                           | -34.05                           | 22.97                              | 0.137     | 2.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 22.72                           | -33.91                           | 22.72                              | 0.129     | 2.000     | Pass    |
|                              | HCH          | PI/2 BPSK | 12           | 6             | 100           | 0              | 23.43                           | -32.26                           | 23.43                              | 0.152     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.19                           | -32.74                           | 23.19                              | 0.144     | 2.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 22.93                           | -35.06                           | 22.94                              | 0.136     | 2.000     | Pass    |
|                              |              | QPSK      | 12           | 6             | 100           | 0              | 23.39                           | -32.32                           | 23.39                              | 0.151     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.05                           | -32.8                            | 23.05                              | 0.140     | 2.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 22.94                           | -35.13                           | 22.94                              | 0.136     | 2.000     | Pass    |
| 20MHz(LTE)<br>+<br>15MHz(NR) | LCH          | PI/2 BPSK | 36           | 18            | 100           | 0              | 23.2                            | -34.58                           | 23.20                              | 0.145     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.17                           | -35.03                           | 23.17                              | 0.144     | 2.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 23.28                           | -34.86                           | 23.28                              | 0.147     | 2.000     | Pass    |
|                              |              | QPSK      | 36           | 18            | 100           | 0              | 23.2                            | -34.58                           | 23.20                              | 0.145     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 22.95                           | -35.13                           | 22.95                              | 0.136     | 2.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 23.04                           | -34.83                           | 23.04                              | 0.139     | 2.000     | Pass    |
|                              | MCH          | PI/2 BPSK | 36           | 18            | 100           | 0              | 23.06                           | -33.94                           | 23.06                              | 0.140     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 22.99                           | -34.25                           | 22.99                              | 0.138     | 2.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 23.14                           | -34                              | 23.14                              | 0.143     | 2.000     | Pass    |
|                              |              | QPSK      | 36           | 18            | 100           | 0              | 23.04                           | -33.94                           | 23.04                              | 0.139     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 22.89                           | -34.3                            | 22.89                              | 0.135     | 2.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 22.92                           | -34                              | 22.92                              | 0.136     | 2.000     | Pass    |
|                              | HCH          | PI/2 BPSK | 36           | 18            | 100           | 0              | 23.14                           | -33.21                           | 23.14                              | 0.143     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.23                           | -34.1                            | 23.23                              | 0.146     | 2.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 23.09                           | -35.09                           | 23.10                              | 0.141     | 2.000     | Pass    |
|                              |              | QPSK      | 36           | 18            | 100           | 0              | 23.2                            | -33.12                           | 23.20                              | 0.145     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.16                           | -34.18                           | 23.16                              | 0.143     | 2.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 23.02                           | -35.09                           | 23.02                              | 0.139     | 2.000     | Pass    |
| 20MHz(LTE)<br>+              | LCH          | PI/2 BPSK | 50           | 25            | 100           | 0              | 23.16                           | -34.64                           | 23.16                              | 0.143     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.17                           | -35.11                           | 23.17                              | 0.144     | 2.000     | Pass    |



|           |     |              |     |     |     |       |        |        |       |       |       |      |
|-----------|-----|--------------|-----|-----|-----|-------|--------|--------|-------|-------|-------|------|
| 20MHz(NR) |     | 1            | 104 | 1   | 99  | 22.87 | -35.06 | 22.87  | 0.134 | 2.000 | Pass  |      |
|           |     | QPSK         | 50  | 25  | 100 | 0     | 23.13  | -34.62 | 23.13 | 0.142 | 2.000 | Pass |
|           |     |              | 1   | 1   | 1   | 0     | 23.06  | -35.07 | 23.06 | 0.140 | 2.000 | Pass |
|           |     |              | 1   | 104 | 1   | 99    | 22.72  | -35.08 | 22.72 | 0.129 | 2.000 | Pass |
|           | MCH | PI/2<br>BPSK | 50  | 25  | 100 | 0     | 22.95  | -33.93 | 22.95 | 0.136 | 2.000 | Pass |
|           |     |              | 1   | 1   | 1   | 0     | 23     | -35.15 | 23.00 | 0.138 | 2.000 | Pass |
|           |     |              | 1   | 104 | 1   | 99    | 22.84  | -35.12 | 22.84 | 0.133 | 2.000 | Pass |
|           |     | QPSK         | 50  | 25  | 100 | 0     | 22.95  | -33.95 | 22.95 | 0.136 | 2.000 | Pass |
|           |     |              | 1   | 1   | 1   | 0     | 22.77  | -35.17 | 22.77 | 0.131 | 2.000 | Pass |
|           |     |              | 1   | 104 | 1   | 99    | 22.69  | -35.21 | 22.69 | 0.129 | 2.000 | Pass |
|           | HCH | PI/2<br>BPSK | 50  | 25  | 100 | 0     | 23.11  | -33.48 | 23.12 | 0.142 | 2.000 | Pass |
|           |     |              | 1   | 1   | 1   | 0     | 23.22  | -35.06 | 23.22 | 0.145 | 2.000 | Pass |
|           |     |              | 1   | 104 | 1   | 99    | 22.85  | -35.09 | 22.85 | 0.133 | 2.000 | Pass |
|           |     | QPSK         | 50  | 25  | 100 | 0     | 23.21  | -33.45 | 23.21 | 0.145 | 2.000 | Pass |
|           |     |              | 1   | 1   | 1   | 0     | 23.1   | -35.09 | 23.10 | 0.141 | 2.000 | Pass |
|           |     |              | 1   | 104 | 1   | 99    | 22.61  | -35.06 | 22.61 | 0.126 | 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) | EIR P (W) | Limit (W) | Verdict |
|------------------------------|--------------|-----------|--------------|---------------|---------------|----------------|---------------------------------|----------------------------------|------------------------------------|-----------|-----------|---------|
| DC_7A_n66A                   |              |           |              |               |               |                |                                 |                                  |                                    |           |           |         |
| 20MHz(LTE)<br>+<br>5MHz(NR)  | LCH          | PI/2 BPSK | 12           | 6             | 100           | 0              | 24.24                           | -35.1                            | 24.24                              | 0.192     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.84                           | -35.11                           | 23.84                              | 0.175     | 1.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 23.81                           | -35.05                           | 23.81                              | 0.174     | 1.000     | Pass    |
|                              |              | QPSK      | 12           | 6             | 100           | 0              | 24.2                            | -35.1                            | 24.20                              | 0.191     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.9                            | -35.15                           | 23.90                              | 0.178     | 1.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 23.87                           | -35.07                           | 23.87                              | 0.177     | 1.000     | Pass    |
|                              | MCH          | PI/2 BPSK | 12           | 6             | 100           | 0              | 24.35                           | -35.24                           | 24.35                              | 0.197     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 24.15                           | -35.19                           | 24.15                              | 0.188     | 1.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 24.04                           | -35.16                           | 24.04                              | 0.184     | 1.000     | Pass    |
|                              |              | QPSK      | 12           | 6             | 100           | 0              | 24.43                           | -35.19                           | 24.43                              | 0.201     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 24.13                           | -35.25                           | 24.13                              | 0.187     | 1.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 24.02                           | -35.16                           | 24.02                              | 0.183     | 1.000     | Pass    |
|                              | HCH          | PI/2 BPSK | 12           | 6             | 100           | 0              | 24.16                           | -35.09                           | 24.16                              | 0.189     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.85                           | -35.1                            | 23.85                              | 0.176     | 1.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 23.73                           | -35.14                           | 23.74                              | 0.171     | 1.000     | Pass    |
|                              |              | QPSK      | 12           | 6             | 100           | 0              | 24.15                           | -35.11                           | 24.15                              | 0.188     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.9                            | -35.09                           | 23.90                              | 0.178     | 1.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 23.78                           | -35.13                           | 23.78                              | 0.173     | 1.000     | Pass    |
| 20MHz(LTE)<br>+<br>15MHz(NR) | LCH          | PI/2 BPSK | 36           | 18            | 100           | 0              | 23.96                           | -35.03                           | 23.96                              | 0.180     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.97                           | -35.1                            | 23.97                              | 0.181     | 1.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 24.25                           | -35.05                           | 24.25                              | 0.193     | 1.000     | Pass    |
|                              |              | QPSK      | 36           | 18            | 100           | 0              | 23.98                           | -35.07                           | 23.98                              | 0.181     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.99                           | -35.14                           | 23.99                              | 0.182     | 1.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 24.18                           | -35.06                           | 24.18                              | 0.190     | 1.000     | Pass    |
|                              | MCH          | PI/2 BPSK | 36           | 18            | 100           | 0              | 24.14                           | -35.22                           | 24.15                              | 0.188     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 24.28                           | -35.23                           | 24.28                              | 0.194     | 1.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 24.33                           | -35.23                           | 24.33                              | 0.196     | 1.000     | Pass    |
|                              |              | QPSK      | 36           | 18            | 100           | 0              | 24.1                            | -35.22                           | 24.10                              | 0.186     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 24.19                           | -35.18                           | 24.19                              | 0.190     | 1.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 24.25                           | -35.19                           | 24.25                              | 0.193     | 1.000     | Pass    |
|                              | HCH          | PI/2 BPSK | 36           | 18            | 100           | 0              | 24.02                           | -35.12                           | 24.02                              | 0.183     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 24.05                           | -35.04                           | 24.05                              | 0.184     | 1.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 24                              | -35.11                           | 24.00                              | 0.182     | 1.000     | Pass    |
|                              |              | QPSK      | 36           | 18            | 100           | 0              | 23.94                           | -35.05                           | 23.94                              | 0.179     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.97                           | -35.11                           | 23.97                              | 0.181     | 1.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 23.91                           | -35.08                           | 23.91                              | 0.178     | 1.000     | Pass    |
| 20MHz(LTE)<br>+              | LCH          | PI/2 BPSK | 50           | 25            | 100           | 0              | 23.68                           | -35.07                           | 23.68                              | 0.169     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.85                           | -35.1                            | 23.85                              | 0.176     | 1.000     | Pass    |

|           |     |              |     |     |     |       |        |        |       |       |       |      |
|-----------|-----|--------------|-----|-----|-----|-------|--------|--------|-------|-------|-------|------|
| 20MHz(NR) |     | 1            | 104 | 1   | 99  | 23.74 | -35.07 | 23.74  | 0.171 | 1.000 | Pass  |      |
|           |     | QPSK         | 50  | 25  | 100 | 0     | 23.79  | -35.08 | 23.79 | 0.173 | 1.000 | Pass |
|           |     |              | 1   | 1   | 1   | 0     | 23.77  | -35.13 | 23.78 | 0.173 | 1.000 | Pass |
|           |     |              | 1   | 104 | 1   | 99    | 23.68  | -35.1  | 23.68 | 0.169 | 1.000 | Pass |
|           | MCH | PI/2<br>BPSK | 50  | 25  | 100 | 0     | 23.94  | -35.16 | 23.94 | 0.179 | 1.000 | Pass |
|           |     |              | 1   | 1   | 1   | 0     | 24.13  | -35.22 | 24.13 | 0.187 | 1.000 | Pass |
|           |     |              | 1   | 104 | 1   | 99    | 23.96  | -35.14 | 23.96 | 0.180 | 1.000 | Pass |
|           |     | QPSK         | 50  | 25  | 100 | 0     | 24.02  | -35.2  | 24.02 | 0.183 | 1.000 | Pass |
|           |     |              | 1   | 1   | 1   | 0     | 24.09  | -35.22 | 24.09 | 0.186 | 1.000 | Pass |
|           |     |              | 1   | 104 | 1   | 99    | 23.93  | -35.18 | 23.93 | 0.179 | 1.000 | Pass |
|           | HCH | PI/2<br>BPSK | 50  | 25  | 100 | 0     | 23.77  | -35.09 | 23.77 | 0.173 | 1.000 | Pass |
|           |     |              | 1   | 1   | 1   | 0     | 24     | -35.05 | 24.00 | 0.182 | 1.000 | Pass |
|           |     |              | 1   | 104 | 1   | 99    | 23.59  | -35.12 | 23.59 | 0.166 | 1.000 | Pass |
|           |     | QPSK         | 50  | 25  | 100 | 0     | 23.76  | -35.14 | 23.76 | 0.172 | 1.000 | Pass |
|           |     |              | 1   | 1   | 1   | 0     | 23.88  | -35.15 | 23.88 | 0.177 | 1.000 | Pass |
|           |     |              | 1   | 104 | 1   | 99    | 23.53  | -35.07 | 23.53 | 0.163 | 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) | EIR P (W) | Limit (W) | Verdict |
|------------------------------|--------------|-----------|--------------|---------------|---------------|----------------|---------------------------------|----------------------------------|------------------------------------|-----------|-----------|---------|
| DC_66A_n7A                   |              |           |              |               |               |                |                                 |                                  |                                    |           |           |         |
| 20MHz(LTE)<br>+<br>5MHz(NR)  | LCH          | PI/2 BPSK | 12           | 6             | 100           | 0              | 23.35                           | -36.16                           | 23.35                              | 0.150     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 22.94                           | -36.1                            | 22.94                              | 0.136     | 2.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 23.01                           | -36.14                           | 23.01                              | 0.138     | 2.000     | Pass    |
|                              |              | QPSK      | 12           | 6             | 100           | 0              | 23.32                           | -36.14                           | 23.32                              | 0.149     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 22.91                           | -36.19                           | 22.91                              | 0.135     | 2.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 22.98                           | -36.12                           | 22.98                              | 0.137     | 2.000     | Pass    |
|                              | MCH          | PI/2 BPSK | 12           | 6             | 100           | 0              | 23.23                           | -36.14                           | 23.23                              | 0.146     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.02                           | -36.17                           | 23.03                              | 0.139     | 2.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 22.93                           | -36.12                           | 22.93                              | 0.136     | 2.000     | Pass    |
|                              |              | QPSK      | 12           | 6             | 100           | 0              | 23.31                           | -36.16                           | 23.31                              | 0.148     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.05                           | -36.13                           | 23.05                              | 0.140     | 2.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 22.93                           | -36.12                           | 22.93                              | 0.136     | 2.000     | Pass    |
|                              | HCH          | PI/2 BPSK | 12           | 6             | 100           | 0              | 23.38                           | -36.15                           | 23.38                              | 0.151     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.19                           | -36.2                            | 23.19                              | 0.144     | 2.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 22.96                           | -36.16                           | 22.96                              | 0.137     | 2.000     | Pass    |
|                              |              | QPSK      | 12           | 6             | 100           | 0              | 23.42                           | -36.14                           | 23.42                              | 0.152     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.17                           | -36.16                           | 23.17                              | 0.144     | 2.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 22.98                           | -36.19                           | 22.99                              | 0.138     | 2.000     | Pass    |
| 20MHz(LTE)<br>+<br>15MHz(NR) | LCH          | PI/2 BPSK | 36           | 18            | 100           | 0              | 23.17                           | -36.05                           | 23.17                              | 0.144     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.07                           | -36.11                           | 23.07                              | 0.140     | 2.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 23.23                           | -36.12                           | 23.23                              | 0.146     | 2.000     | Pass    |
|                              |              | QPSK      | 36           | 18            | 100           | 0              | 23.11                           | -36.06                           | 23.11                              | 0.142     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.11                           | -36.14                           | 23.11                              | 0.142     | 2.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 23.15                           | -36.05                           | 23.15                              | 0.143     | 2.000     | Pass    |
|                              | MCH          | PI/2 BPSK | 36           | 18            | 100           | 0              | 23                              | -36.07                           | 23.00                              | 0.138     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 22.99                           | -36.18                           | 22.99                              | 0.138     | 2.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 23.18                           | -36.15                           | 23.18                              | 0.144     | 2.000     | Pass    |
|                              |              | QPSK      | 36           | 18            | 100           | 0              | 23.07                           | -36.13                           | 23.07                              | 0.140     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 22.92                           | -36.13                           | 22.92                              | 0.136     | 2.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 23.04                           | -36.16                           | 23.04                              | 0.139     | 2.000     | Pass    |
|                              | HCH          | PI/2 BPSK | 36           | 18            | 100           | 0              | 23.12                           | -36.07                           | 23.12                              | 0.142     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.21                           | -36.17                           | 23.21                              | 0.145     | 2.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 23.15                           | -36.16                           | 23.15                              | 0.143     | 2.000     | Pass    |
|                              |              | QPSK      | 36           | 18            | 100           | 0              | 23.21                           | -36.09                           | 23.21                              | 0.145     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.13                           | -36.15                           | 23.13                              | 0.142     | 2.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 23.04                           | -36.19                           | 23.04                              | 0.139     | 2.000     | Pass    |
| 20MHz(LTE)<br>+              | LCH          | PI/2 BPSK | 50           | 25            | 100           | 0              | 23.14                           | -36.08                           | 23.15                              | 0.143     | 2.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.24                           | -36.19                           | 23.24                              | 0.146     | 2.000     | Pass    |

|           |     |              |     |     |     |       |        |        |       |       |       |      |
|-----------|-----|--------------|-----|-----|-----|-------|--------|--------|-------|-------|-------|------|
| 20MHz(NR) |     | 1            | 104 | 1   | 99  | 22.83 | -36.14 | 22.83  | 0.133 | 2.000 | Pass  |      |
|           |     | QPSK         | 50  | 25  | 100 | 0     | 23.1   | -36.1  | 23.10 | 0.141 | 2.000 | Pass |
|           |     |              | 1   | 1   | 1   | 0     | 23.13  | -36.16 | 23.13 | 0.142 | 2.000 | Pass |
|           |     |              | 1   | 104 | 1   | 99    | 22.84  | -36.17 | 22.84 | 0.133 | 2.000 | Pass |
|           | MCH | PI/2<br>BPSK | 50  | 25  | 100 | 0     | 22.91  | -36.14 | 22.91 | 0.135 | 2.000 | Pass |
|           |     |              | 1   | 1   | 1   | 0     | 23.06  | -36.16 | 23.06 | 0.140 | 2.000 | Pass |
|           |     |              | 1   | 104 | 1   | 99    | 22.83  | -36.07 | 22.83 | 0.133 | 2.000 | Pass |
|           |     | QPSK         | 50  | 25  | 100 | 0     | 23     | -36.12 | 23.00 | 0.138 | 2.000 | Pass |
|           |     |              | 1   | 1   | 1   | 0     | 22.94  | -36.12 | 22.94 | 0.136 | 2.000 | Pass |
|           |     |              | 1   | 104 | 1   | 99    | 22.83  | -36.17 | 22.83 | 0.133 | 2.000 | Pass |
|           | HCH | PI/2<br>BPSK | 50  | 25  | 100 | 0     | 23.1   | -36.13 | 23.10 | 0.141 | 2.000 | Pass |
|           |     |              | 1   | 1   | 1   | 0     | 23.2   | -36.16 | 23.20 | 0.145 | 2.000 | Pass |
|           |     |              | 1   | 104 | 1   | 99    | 22.83  | -36.16 | 22.83 | 0.133 | 2.000 | Pass |
|           |     | QPSK         | 50  | 25  | 100 | 0     | 23.11  | -36.18 | 23.11 | 0.142 | 2.000 | Pass |
|           |     |              | 1   | 1   | 1   | 0     | 23.08  | -36.17 | 23.08 | 0.141 | 2.000 | Pass |
|           |     |              | 1   | 104 | 1   | 99    | 22.75  | -36.17 | 22.75 | 0.130 | 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) | EIR P (W) | Limit (W) | Verdict |
|------------------------------|--------------|-----------|--------------|---------------|---------------|----------------|---------------------------------|----------------------------------|------------------------------------|-----------|-----------|---------|
| DC_66A_n66A                  |              |           |              |               |               |                |                                 |                                  |                                    |           |           |         |
| 20MHz(LTE)<br>+<br>5MHz(NR)  | LCH          | PI/2 BPSK | 12           | 6             | 100           | 0              | 24.22                           | 0.56                             | 24.24                              | 0.192     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 24.16                           | 0.49                             | 24.18                              | 0.190     | 1.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 24.22                           | 0.57                             | 24.24                              | 0.192     | 1.000     | Pass    |
|                              |              | QPSK      | 12           | 6             | 100           | 0              | 24.16                           | 0.49                             | 24.18                              | 0.190     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 24.24                           | 0.6                              | 24.26                              | 0.193     | 1.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 24.19                           | 0.53                             | 24.20                              | 0.191     | 1.000     | Pass    |
|                              | MCH          | PI/2 BPSK | 12           | 6             | 100           | 0              | 24.44                           | 0.64                             | 24.46                              | 0.202     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 24.43                           | 0.61                             | 24.45                              | 0.202     | 1.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 24.48                           | 0.63                             | 24.50                              | 0.204     | 1.000     | Pass    |
|                              |              | QPSK      | 12           | 6             | 100           | 0              | 24.37                           | 0.64                             | 24.39                              | 0.199     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 24.37                           | 0.6                              | 24.38                              | 0.199     | 1.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 24.47                           | 0.63                             | 24.49                              | 0.204     | 1.000     | Pass    |
|                              | HCH          | PI/2 BPSK | 12           | 6             | 100           | 0              | 24.11                           | 0.59                             | 24.13                              | 0.187     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 24.11                           | 0.6                              | 24.13                              | 0.187     | 1.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 24.18                           | 0.61                             | 24.19                              | 0.190     | 1.000     | Pass    |
|                              |              | QPSK      | 12           | 6             | 100           | 0              | 24.12                           | 0.61                             | 24.14                              | 0.188     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 24.2                            | 0.61                             | 24.22                              | 0.191     | 1.000     | Pass    |
|                              |              |           | 1            | 23            | 1             | 99             | 24.12                           | 0.59                             | 24.14                              | 0.188     | 1.000     | Pass    |
| 20MHz(LTE)<br>+<br>15MHz(NR) | LCH          | PI/2 BPSK | 36           | 18            | 100           | 0              | 24.15                           | 0.52                             | 24.16                              | 0.189     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 24.19                           | 0.55                             | 24.21                              | 0.191     | 1.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 24.14                           | 0.5                              | 24.16                              | 0.189     | 1.000     | Pass    |
|                              |              | QPSK      | 36           | 18            | 100           | 0              | 24.18                           | 0.52                             | 24.20                              | 0.191     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 24.2                            | 0.57                             | 24.22                              | 0.191     | 1.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 24.19                           | 0.5                              | 24.21                              | 0.191     | 1.000     | Pass    |
|                              | MCH          | PI/2 BPSK | 36           | 18            | 100           | 0              | 24.35                           | 0.64                             | 24.37                              | 0.198     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 24.36                           | 0.64                             | 24.38                              | 0.199     | 1.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 24.43                           | 0.62                             | 24.45                              | 0.202     | 1.000     | Pass    |
|                              |              | QPSK      | 36           | 18            | 100           | 0              | 24.46                           | 0.61                             | 24.48                              | 0.203     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 24.36                           | 0.68                             | 24.37                              | 0.198     | 1.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 24.44                           | 0.47                             | 24.46                              | 0.202     | 1.000     | Pass    |
|                              | HCH          | PI/2 BPSK | 36           | 18            | 100           | 0              | 24.32                           | 0.65                             | 24.34                              | 0.197     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 24.3                            | 0.62                             | 24.32                              | 0.196     | 1.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 23.95                           | 0.6                              | 23.97                              | 0.181     | 1.000     | Pass    |
|                              |              | QPSK      | 36           | 18            | 100           | 0              | 24.31                           | 0.59                             | 24.33                              | 0.196     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 24.29                           | 0.61                             | 24.31                              | 0.195     | 1.000     | Pass    |
|                              |              |           | 1            | 77            | 1             | 99             | 24.07                           | 0.68                             | 24.09                              | 0.186     | 1.000     | Pass    |
| 20MHz(LTE)<br>+              | LCH          | PI/2 BPSK | 50           | 25            | 100           | 0              | 24.09                           | 0.45                             | 24.11                              | 0.187     | 1.000     | Pass    |
|                              |              |           | 1            | 1             | 1             | 0              | 23.99                           | 0.57                             | 24.01                              | 0.182     | 1.000     | Pass    |

|           |     |              |     |     |     |       |       |       |       |       |       |      |
|-----------|-----|--------------|-----|-----|-----|-------|-------|-------|-------|-------|-------|------|
| 20MHz(NR) |     | 1            | 104 | 1   | 99  | 24.24 | 0.56  | 24.26 | 0.193 | 1.000 | Pass  |      |
|           |     | QPSK         | 50  | 25  | 100 | 0     | 24.19 | 0.58  | 24.21 | 0.191 | 1.000 | Pass |
|           |     |              | 1   | 1   | 1   | 0     | 24    | 0.67  | 24.02 | 0.183 | 1.000 | Pass |
|           |     |              | 1   | 104 | 1   | 99    | 24.23 | 0.61  | 24.25 | 0.193 | 1.000 | Pass |
|           | MCH | PI/2<br>BPSK | 50  | 25  | 100 | 0     | 24.39 | 0.6   | 24.41 | 0.200 | 1.000 | Pass |
|           |     |              | 1   | 1   | 1   | 0     | 24.43 | 0.62  | 24.45 | 0.202 | 1.000 | Pass |
|           |     |              | 1   | 104 | 1   | 99    | 24.46 | 0.57  | 24.48 | 0.203 | 1.000 | Pass |
|           |     | QPSK         | 50  | 25  | 100 | 0     | 24.51 | 0.57  | 24.53 | 0.206 | 1.000 | Pass |
|           |     |              | 1   | 1   | 1   | 0     | 24.39 | 0.56  | 24.41 | 0.200 | 1.000 | Pass |
|           |     |              | 1   | 104 | 1   | 99    | 24.5  | 0.6   | 24.51 | 0.205 | 1.000 | Pass |
|           | HCH | PI/2<br>BPSK | 50  | 25  | 100 | 0     | 24.28 | 0.63  | 24.30 | 0.195 | 1.000 | Pass |
|           |     |              | 1   | 1   | 1   | 0     | 24.43 | 0.57  | 24.45 | 0.202 | 1.000 | Pass |
|           |     |              | 1   | 104 | 1   | 99    | 23.96 | 0.63  | 23.98 | 0.181 | 1.000 | Pass |
|           |     | QPSK         | 50  | 25  | 100 | 0     | 24.39 | 0.58  | 24.40 | 0.200 | 1.000 | Pass |
|           |     |              | 1   | 1   | 1   | 0     | 24.3  | 0.58  | 24.32 | 0.196 | 1.000 | Pass |
|           |     |              | 1   | 104 | 1   | 99    | 24.01 | 0.68  | 24.03 | 0.183 | 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-SZ21A0580-501 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          | 2.86                       | 13         | 1.1                            | Pass    |
|           | MCH          | 2.95                       | 13         | 1.2                            | Pass    |
|           | HCH          | 2.86                       | 13         | 1.3                            | Pass    |
| Band 4    | LCH          | 2.72                       | 13         | 2.1                            | Pass    |
|           | MCH          | 2.81                       | 13         | 2.2                            | Pass    |
|           | HCH          | 2.77                       | 13         | 2.3                            | Pass    |
| Band 5    | LCH          | 2.95                       | 13         | 3.1                            | Pass    |
|           | MCH          | 3.05                       | 13         | 3.2                            | Pass    |
|           | HCH          | 2.95                       | 13         | 3.3                            | Pass    |

### LTE Mode Test Data

| Test Band  | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Peak to Average Ratio (dB) | Limit (dB) | Refer to Plot <sup>Note2</sup> | Verdict |
|------------|----------------|--------------|-----------|-----------------------|----------------------------|------------|--------------------------------|---------|
| LTE Band 2 | 20 MHz         | LCH          | QPSK      | RB1#0                 | 4.59                       | 13         | 4.1                            | Pass    |
|            |                |              |           | RB100#0               | 5.62                       | 13         | 4.2                            | Pass    |
|            |                |              | 16-QAM    | RB1#0                 | 5.58                       | 13         | 4.3                            | Pass    |
|            |                |              |           | RB100#0               | 6.23                       | 13         | 4.4                            | Pass    |
|            |                | MCH          | QPSK      | RB1#0                 | 4.41                       | 13         | 4.5                            | Pass    |
|            |                |              |           | RB100#0               | 5.53                       | 13         | 4.6                            | Pass    |
|            |                |              | 16-QAM    | RB1#0                 | 5.11                       | 13         | 4.7                            | Pass    |
|            |                |              |           | RB100#0               | 6.28                       | 13         | 4.8                            | Pass    |
|            |                | HCH          | QPSK      | RB1#0                 | 4.31                       | 13         | 4.9                            | Pass    |
|            |                |              |           | RB100#0               | 5.39                       | 13         | 4.10                           | Pass    |
|            |                |              | 16-QAM    | RB1#0                 | 5.2                        | 13         | 4.11                           | Pass    |
|            |                |              |           | RB100#0               | 6.14                       | 13         | 4.12                           | Pass    |
| LTE Band 4 | 20 MHz         | LCH          | QPSK      | RB1#0                 | 3.23                       | 13         | 5.1                            | Pass    |
|            |                |              |           | RB100#0               | 5.25                       | 13         | 5.2                            | Pass    |
|            |                |              | 16-QAM    | RB1#0                 | 4.03                       | 13         | 5.3                            | Pass    |
|            |                |              |           | RB100#0               | 6                          | 13         | 5.4                            | Pass    |
|            |                | MCH          | QPSK      | RB1#0                 | 3.75                       | 13         | 5.5                            | Pass    |
|            |                |              |           | RB100#0               | 5.48                       | 13         | 5.6                            | Pass    |
|            |                |              | 16-QAM    | RB1#0                 | 4.64                       | 13         | 5.7                            | Pass    |
|            |                |              |           | RB100#0               | 6.14                       | 13         | 5.8                            | Pass    |



| Test Band   | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Peak to Average Ratio (dB) | Limit (dB) | Refer to Plot <sup>Note2</sup> | Verdict |
|-------------|----------------|--------------|-----------|-----------------------|----------------------------|------------|--------------------------------|---------|
|             |                | HCH          | QPSK      | RB1#0                 | 4.03                       | 13         | 5.9                            | Pass    |
|             |                |              |           | RB100#0               | 5.44                       | 13         | 5.10                           | Pass    |
|             |                |              | 16-QAM    | RB1#0                 | 4.69                       | 13         | 5.11                           | Pass    |
|             |                |              |           | RB100#0               | 6.14                       | 13         | 5.12                           | Pass    |
| LTE Band 5  | 10 MHz         | LCH          | QPSK      | RB1#0                 | 4.27                       | 13         | 6.1                            | Pass    |
|             |                |              |           | RB50#0                | 5.39                       | 13         | 6.2                            | Pass    |
|             |                |              | 16-QAM    | RB1#0                 | 5.11                       | 13         | 6.3                            | Pass    |
|             |                |              |           | RB50#0                | 6.09                       | 13         | 6.4                            | Pass    |
|             |                | MCH          | QPSK      | RB1#0                 | 3.52                       | 13         | 6.5                            | Pass    |
|             |                |              |           | RB50#0                | 5.48                       | 13         | 6.6                            | Pass    |
|             |                |              | 16-QAM    | RB1#0                 | 4.45                       | 13         | 6.7                            | Pass    |
|             |                |              |           | RB50#0                | 6.28                       | 13         | 6.8                            | Pass    |
|             |                | HCH          | QPSK      | RB1#0                 | 4.78                       | 13         | 6.9                            | Pass    |
|             |                |              |           | RB50#0                | 5.62                       | 13         | 6.10                           | Pass    |
|             |                |              | 16-QAM    | RB1#0                 | 5.48                       | 13         | 6.11                           | Pass    |
|             |                |              |           | RB50#0                | 6.33                       | 13         | 6.12                           | Pass    |
| LTE Band 7  | 20 MHz         | LCH          | QPSK      | RB1#0                 | 3.7                        | 13         | 7.1                            | Pass    |
|             |                |              |           | RB100#0               | 5.34                       | 13         | 7.2                            | Pass    |
|             |                |              | 16-QAM    | RB1#0                 | 4.36                       | 13         | 7.3                            | Pass    |
|             |                |              |           | RB100#0               | 6.14                       | 13         | 7.4                            | Pass    |
|             |                | MCH          | QPSK      | RB1#0                 | 4.08                       | 13         | 7.5                            | Pass    |
|             |                |              |           | RB100#0               | 5.48                       | 13         | 7.6                            | Pass    |
|             |                |              | 16-QAM    | RB1#0                 | 4.87                       | 13         | 7.7                            | Pass    |
|             |                |              |           | RB100#0               | 6.23                       | 13         | 7.8                            | Pass    |
|             |                | HCH          | QPSK      | RB1#0                 | 4.17                       | 13         | 7.9                            | Pass    |
|             |                |              |           | RB100#0               | 5.34                       | 13         | 7.10                           | Pass    |
|             |                |              | 16-QAM    | RB1#0                 | 5.11                       | 13         | 7.11                           | Pass    |
|             |                |              |           | RB100#0               | 6                          | 13         | 7.12                           | Pass    |
| LTE Band 12 | 10 MHz         | LCH          | QPSK      | RB1#0                 | 4.55                       | 13         | 8.1                            | Pass    |
|             |                |              |           | RB50#0                | 5.58                       | 13         | 8.2                            | Pass    |
|             |                |              | 16-QAM    | RB1#0                 | 5.39                       | 13         | 8.3                            | Pass    |
|             |                |              |           | RB50#0                | 6.23                       | 13         | 8.4                            | Pass    |
|             |                | MCH          | QPSK      | RB1#0                 | 4.87                       | 13         | 8.5                            | Pass    |
|             |                |              |           | RB50#0                | 5.39                       | 13         | 8.6                            | Pass    |
|             |                |              | 16-QAM    | RB1#0                 | 5.77                       | 13         | 8.7                            | Pass    |
|             |                |              |           | RB50#0                | 6.19                       | 13         | 8.8                            | Pass    |
|             |                | HCH          | QPSK      | RB1#0                 | 4.27                       | 13         | 8.9                            | Pass    |
|             |                |              |           | RB50#0                | 5.44                       | 13         | 8.10                           | Pass    |
|             |                |              | 16-QAM    | RB1#0                 | 4.92                       | 13         | 8.11                           | Pass    |
|             |                |              |           | RB50#0                | 6.19                       | 13         | 8.12                           | Pass    |
| LTE         | 10 MHz         | LCH          | QPSK      | RB1#0                 | 4.41                       | 13         | 9.1                            | Pass    |

| Test Band            | Test Bandwidth | Test Channel         | Test Mode | Test RB (Size#Offset) | Peak to Average Ratio (dB) | Limit (dB) | Refer to Plot <sup>Note2</sup> | Verdict |      |
|----------------------|----------------|----------------------|-----------|-----------------------|----------------------------|------------|--------------------------------|---------|------|
| Band 17              |                |                      | 16-QAM    | RB50#0                | 5.53                       | 13         | 9.2                            | Pass    |      |
|                      |                |                      |           | RB1#0                 | 5.06                       | 13         | 9.3                            | Pass    |      |
|                      |                |                      |           | RB50#0                | 6.23                       | 13         | 9.4                            | Pass    |      |
|                      |                | MCH                  | QPSK      | RB1#0                 | 4.55                       | 13         | 9.5                            | Pass    |      |
|                      |                |                      |           | RB50#0                | 5.44                       | 13         | 9.6                            | Pass    |      |
|                      |                |                      | 16-QAM    | RB1#0                 | 5.39                       | 13         | 9.7                            | Pass    |      |
|                      |                |                      |           | RB50#0                | 6.14                       | 13         | 9.8                            | Pass    |      |
|                      |                |                      | HCH       | QPSK                  | RB1#0                      | 4.55       | 13                             | 9.9     | Pass |
|                      |                |                      |           |                       | RB50#0                     | 5.39       | 13                             | 9.10    | Pass |
|                      |                | 16-QAM               | RB1#0     | 5.44                  | 13                         | 9.11       | Pass                           |         |      |
|                      |                |                      | RB50#0    | 6.19                  | 13                         | 9.12       | Pass                           |         |      |
|                      |                | LTE Band 26 (Part22) | 15 MHz    | LCH                   | QPSK                       | RB1#0      | 4.59                           | 13      | 10.1 |
| RB75#0               | 6              |                      |           |                       |                            | 13         | 10.2                           | Pass    |      |
| 16-QAM               | RB1#0          |                      |           |                       | 5.48                       | 13         | 10.3                           | Pass    |      |
|                      | RB75#0         |                      |           |                       | 6.52                       | 13         | 10.4                           | Pass    |      |
| MCH                  | QPSK           |                      |           | RB1#0                 | 4.03                       | 13         | 10.5                           | Pass    |      |
|                      |                |                      |           | RB75#0                | 6                          | 13         | 10.6                           | Pass    |      |
|                      | 16-QAM         |                      |           | RB1#0                 | 4.97                       | 13         | 10.7                           | Pass    |      |
|                      |                |                      |           | RB75#0                | 6.56                       | 13         | 10.8                           | Pass    |      |
| HCH                  | QPSK           |                      |           | RB1#0                 | 4.45                       | 13         | 10.9                           | Pass    |      |
|                      |                |                      |           | RB75#0                | 5.91                       | 13         | 10.10                          | Pass    |      |
|                      | 16-QAM         |                      |           | RB1#0                 | 5.16                       | 13         | 10.11                          | Pass    |      |
|                      |                |                      |           | RB75#0                | 6.37                       | 13         | 10.12                          | Pass    |      |
| LTE Band 26 (Part90) | 10 MHz         | MCH                  | QPSK      | RB1#0                 | 3.61                       | 13         | 11.1                           | Pass    |      |
|                      |                |                      |           | RB50#0                | 5.53                       | 13         | 11.2                           | Pass    |      |
|                      |                |                      | 16-QAM    | RB1#0                 | 4.5                        | 13         | 11.3                           | Pass    |      |
|                      |                |                      |           | RB50#0                | 6.19                       | 13         | 11.4                           | Pass    |      |
| LTE Band 38          | 20 MHz         | LCH                  | QPSK      | RB1#0                 | 7.17                       | 13         | 12.1                           | Pass    |      |
|                      |                |                      |           | RB100#0               | 8.77                       | 13         | 12.2                           | Pass    |      |
|                      |                |                      | 16-QAM    | RB1#0                 | 7.83                       | 13         | 12.3                           | Pass    |      |
|                      |                |                      |           | RB100#0               | 9.47                       | 13         | 12.4                           | Pass    |      |
|                      |                | MCH                  | QPSK      | RB1#0                 | 7.22                       | 13         | 12.5                           | Pass    |      |
|                      |                |                      |           | RB100#0               | 8.86                       | 13         | 12.6                           | Pass    |      |
|                      |                |                      | 16-QAM    | RB1#0                 | 8.02                       | 13         | 12.7                           | Pass    |      |
|                      |                |                      |           | RB100#0               | 9.61                       | 13         | 12.8                           | Pass    |      |
|                      |                | HCH                  | QPSK      | RB1#0                 | 7.45                       | 13         | 12.9                           | Pass    |      |
|                      |                |                      |           | RB100#0               | 9                          | 13         | 12.10                          | Pass    |      |
|                      |                |                      | 16-QAM    | RB1#0                 | 8.2                        | 13         | 12.11                          | Pass    |      |
|                      |                |                      |           | RB100#0               | 9.66                       | 13         | 12.12                          | Pass    |      |
| LTE Band 41          | 20 MHz         | LCH                  | QPSK      | RB1#0                 | 7.27                       | 13         | 13.1                           | Pass    |      |
|                      |                |                      |           | RB100#0               | 8.86                       | 13         | 13.2                           | Pass    |      |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Peak to Average Ratio (dB) | Limit (dB) | Refer to Plot <sup>Note2</sup> | Verdict |      |      |
|-----------|----------------|--------------|-----------|-----------------------|----------------------------|------------|--------------------------------|---------|------|------|
|           |                |              | 16-QAM    | RB1#0                 | 8.06                       | 13         | 13.3                           | Pass    |      |      |
|           |                |              |           | RB100#0               | 9.61                       | 13         | 13.4                           | Pass    |      |      |
|           |                | MCH          | QPSK      | RB1#0                 | 6.84                       | 13         | 13.5                           | Pass    |      |      |
|           |                |              |           | RB100#0               | 8.77                       | 13         | 13.6                           | Pass    |      |      |
|           |                |              | 16-QAM    | RB1#0                 | 7.59                       | 13         | 13.7                           | Pass    |      |      |
|           |                |              |           | RB100#0               | 9.47                       | 13         | 13.8                           | Pass    |      |      |
|           |                | HCH          | QPSK      | RB1#0                 | 6.66                       | 13         | 13.9                           | Pass    |      |      |
|           |                |              |           | RB100#0               | 8.81                       | 13         | 13.10                          | Pass    |      |      |
|           |                |              | 16-QAM    | RB1#0                 | 7.55                       | 13         | 13.11                          | Pass    |      |      |
|           |                |              |           | RB100#0               | 9.52                       | 13         | 13.12                          | Pass    |      |      |
|           |                | LTE Band 66  | 20 MHz    | LCH                   | QPSK                       | RB1#0      | 3.28                           | 13      | 14.1 | Pass |
|           |                |              |           |                       |                            | RB100#0    | 5.3                            | 13      | 14.2 | Pass |
| 16-QAM    | RB1#0          |              |           |                       | 3.98                       | 13         | 14.3                           | Pass    |      |      |
|           | RB100#0        |              |           |                       | 6.05                       | 13         | 14.4                           | Pass    |      |      |
| MCH       | QPSK           |              |           | RB1#0                 | 4.22                       | 13         | 14.5                           | Pass    |      |      |
|           |                |              |           | RB100#0               | 5.48                       | 13         | 14.6                           | Pass    |      |      |
|           | 16-QAM         |              |           | RB1#0                 | 5.02                       | 13         | 14.7                           | Pass    |      |      |
|           |                |              |           | RB100#0               | 6.19                       | 13         | 14.8                           | Pass    |      |      |
| HCH       | QPSK           |              |           | RB1#0                 | 3.84                       | 13         | 14.9                           | Pass    |      |      |
|           |                |              |           | RB100#0               | 5.3                        | 13         | 14.10                          | Pass    |      |      |
|           | 16-QAM         |              |           | RB1#0                 | 4.78                       | 13         | 14.11                          | Pass    |      |      |
|           |                |              |           | RB100#0               | 6.05                       | 13         | 14.12                          | 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      | 6.28                       | 13         | 15.1                           | Pass    |
|              | 16-QAM     | 50     | 0      | 100    | 0      | 6.84                       | 13         | 15.2                           | Pass    |
| 20MHz+10MHz  |            |        |        |        |        |                            |            |                                |         |
| Mid          | QPSK       | 100    | 0      | 50     | 0      | 6.33                       | 13         | 15.3                           | Pass    |
|              | 16-QAM     | 100    | 0      | 50     | 0      | 6.94                       | 13         | 15.4                           | Pass    |
| 15MHz+15MHz  |            |        |        |        |        |                            |            |                                |         |
| Mid          | QPSK       | 75     | 0      | 75     | 0      | 6.56                       | 13         | 15.5                           | Pass    |
|              | 16-QAM     | 75     | 0      | 75     | 0      | 7.08                       | 13         | 15.6                           | Pass    |
| 15MHz+20MHz  |            |        |        |        |        |                            |            |                                |         |
| Mid          | QPSK       | 75     | 0      | 100    | 0      | 6.23                       | 13         | 15.7                           | Pass    |
|              | 16-QAM     | 75     | 0      | 100    | 0      | 6.94                       | 13         | 15.8                           | Pass    |
| 20MHz+15MHz  |            |        |        |        |        |                            |            |                                |         |
| Mid          | QPSK       | 100    | 0      | 75     | 0      | 6.28                       | 13         | 15.9                           | Pass    |
|              | 16-QAM     | 100    | 0      | 75     | 0      | 6.94                       | 13         | 15.10                          | Pass    |
| 20MHz+20MHz  |            |        |        |        |        |                            |            |                                |         |
| Mid          | QPSK       | 100    | 0      | 100    | 0      | 6.56                       | 13         | 15.11                          | Pass    |
|              | 16-QAM     | 100    | 0      | 100    | 0      | 7.03                       | 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_38C</b> |            |        |        |        |        |                            |            |                                |         |
| 15MHz+15MHz   |            |        |        |        |        |                            |            |                                |         |
| Mid           | QPSK       | 75     | 0      | 75     | 0      | 9.98                       | 13         | 16.1                           | Pass    |
|               | 16-QAM     | 75     | 0      | 75     | 0      | 10.45                      | 13         | 16.2                           | Pass    |
| 20MHz+20MHz   |            |        |        |        |        |                            |            |                                |         |
| Mid           | QPSK       | 100    | 0      | 100    | 0      | 9.94                       | 13         | 16.3                           | Pass    |
|               | 16-QAM     | 100    | 0      | 100    | 0      | 10.31                      | 13         | 16.4                           | 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> |            |        |        |        |        |                            |            |                                |         |
| 5MHz+20MHz    |            |        |        |        |        |                            |            |                                |         |
| Mid           | QPSK       | 25     | 0      | 100    | 0      | 9.7                        | 13         | 17.1                           | Pass    |
|               | 16-QAM     | 25     | 0      | 100    | 0      | 10.27                      | 13         | 17.2                           | Pass    |
| 20MHz+5MHz    |            |        |        |        |        |                            |            |                                |         |
| Mid           | QPSK       | 100    | 0      | 25     | 0      | 9.8                        | 13         | 17.3                           | Pass    |
|               | 16-QAM     | 100    | 0      | 25     | 0      | 10.36                      | 13         | 17.4                           | Pass    |
| 10MHz+20MHz   |            |        |        |        |        |                            |            |                                |         |
| Mid           | QPSK       | 50     | 0      | 100    | 0      | 9.75                       | 13         | 17.5                           | Pass    |
|               | 16-QAM     | 50     | 0      | 100    | 0      | 10.36                      | 13         | 17.6                           | Pass    |
| 20MHz+10MHz   |            |        |        |        |        |                            |            |                                |         |
| Mid           | QPSK       | 100    | 0      | 50     | 0      | 9.89                       | 13         | 17.7                           | Pass    |
|               | 16-QAM     | 100    | 0      | 50     | 0      | 10.45                      | 13         | 17.8                           | Pass    |
| 15MHz+15MHz   |            |        |        |        |        |                            |            |                                |         |
| Mid           | QPSK       | 75     | 0      | 75     | 0      | 10.08                      | 13         | 17.9                           | Pass    |
|               | 16-QAM     | 75     | 0      | 75     | 0      | 10.55                      | 13         | 17.10                          | Pass    |
| 15MHz+20MHz   |            |        |        |        |        |                            |            |                                |         |
| Mid           | QPSK       | 75     | 0      | 100    | 0      | 9.84                       | 13         | 17.11                          | Pass    |
|               | 16-QAM     | 75     | 0      | 100    | 0      | 10.5                       | 13         | 17.12                          | Pass    |
| 20MHz+15MHz   |            |        |        |        |        |                            |            |                                |         |
| Mid           | QPSK       | 100    | 0      | 75     | 0      | 9.75                       | 13         | 17.13                          | Pass    |
|               | 16-QAM     | 100    | 0      | 75     | 0      | 10.22                      | 13         | 17.14                          | Pass    |
| 20MHz+20MHz   |            |        |        |        |        |                            |            |                                |         |
| Mid           | QPSK       | 100    | 0      | 100    | 0      | 9.98                       | 13         | 17.15                          | Pass    |
|               | 16-QAM     | 100    | 0      | 100    | 0      | 10.55                      | 13         | 17.16                          | 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             | 3.42                       | 13         | 18.1                           | Pass    |
|           |                   |              |           | 100          | 0             | 4.26                       | 13         | 18.2                           | Pass    |
|           |                   |              | QPSK      | 1            | 0             | 4.83                       | 13         | 18.3                           | Pass    |
|           |                   |              |           | 100          | 0             | 5.31                       | 13         | 18.4                           | Pass    |
|           |                   | MCH          | PI/2 BPSK | 1            | 0             | 3.34                       | 13         | 18.5                           | Pass    |
|           |                   |              |           | 100          | 0             | 4.21                       | 13         | 18.6                           | Pass    |
|           |                   |              | QPSK      | 1            | 0             | 4.63                       | 13         | 18.7                           | Pass    |
|           |                   |              |           | 100          | 0             | 5.24                       | 13         | 18.8                           | Pass    |
|           |                   | HCH          | PI/2 BPSK | 1            | 0             | 3.28                       | 13         | 18.9                           | Pass    |
|           |                   |              |           | 100          | 0             | 4.01                       | 13         | 18.10                          | Pass    |
|           |                   |              | QPSK      | 1            | 0             | 4.55                       | 13         | 18.11                          | Pass    |
|           |                   |              |           | 100          | 0             | 5.17                       | 13         | 18.12                          | Pass    |
| n7        | 20 MHz            | LCH          | PI/2 BPSK | 1            | 0             | 3.39                       | 13         | 19.1                           | Pass    |
|           |                   |              |           | 100          | 0             | 4.23                       | 13         | 19.2                           | Pass    |
|           |                   |              | QPSK      | 1            | 0             | 4.52                       | 13         | 19.3                           | Pass    |
|           |                   |              |           | 100          | 0             | 5.36                       | 13         | 19.4                           | Pass    |
|           |                   | MCH          | PI/2 BPSK | 1            | 0             | 3.67                       | 13         | 19.5                           | Pass    |
|           |                   |              |           | 100          | 0             | 4.37                       | 13         | 19.6                           | Pass    |
|           |                   |              | QPSK      | 1            | 0             | 4.97                       | 13         | 19.7                           | Pass    |
|           |                   |              |           | 100          | 0             | 5.46                       | 13         | 19.8                           | Pass    |
|           |                   | HCH          | PI/2 BPSK | 1            | 0             | 3.65                       | 13         | 19.9                           | Pass    |
|           |                   |              |           | 100          | 0             | 4.21                       | 13         | 19.10                          | Pass    |
|           |                   |              | QPSK      | 1            | 0             | 4.93                       | 13         | 19.11                          | Pass    |
|           |                   |              |           | 100          | 0             | 5.39                       | 13         | 19.12                          | Pass    |
| n38       | 40 MHz            | LCH          | PI/2 BPSK | 1            | 0             | 3.46                       | 13         | 20.1                           | Pass    |
|           |                   |              |           | 100          | 0             | 3.85                       | 13         | 20.2                           | Pass    |
|           |                   |              | QPSK      | 1            | 0             | 4.41                       | 13         | 20.3                           | Pass    |
|           |                   |              |           | 100          | 0             | 4.81                       | 13         | 20.4                           | Pass    |
|           |                   | MCH          | PI/2 BPSK | 1            | 0             | 3.63                       | 13         | 20.5                           | Pass    |
|           |                   |              |           | 100          | 0             | 3.86                       | 13         | 20.6                           | Pass    |
|           |                   |              | QPSK      | 1            | 0             | 4.52                       | 13         | 20.7                           | Pass    |
|           |                   |              |           | 100          | 0             | 4.84                       | 13         | 20.8                           | Pass    |
|           |                   | HCH          | PI/2 BPSK | 1            | 0             | 3.30                       | 13         | 20.9                           | Pass    |
|           |                   |              |           | 100          | 0             | 3.97                       | 13         | 20.10                          | Pass    |
|           |                   |              | QPSK      | 1            | 0             | 4.44                       | 13         | 20.11                          | Pass    |
|           |                   |              |           | 100          | 0             | 4.99                       | 13         | 20.12                          | Pass    |
| n41       | 100 MHz           | LCH          | PI/2 BPSK | 1            | 0             | 3.75                       | 13         | 21.1                           | Pass    |
|           |                   |              |           | 270          | 0             | 4.39                       | 13         | 21.2                           | Pass    |
|           |                   |              | QPSK      | 1            | 0             | 4.99                       | 13         | 21.3                           | Pass    |
|           |                   |              |           | 270          | 0             | 5.25                       | 13         | 21.4                           | Pass    |
|           |                   | MCH          | PI/2      | 1            | 0             | 3.98                       | 13         | 21.5                           | 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 |
|-----------|-------------------|--------------|-----------|--------------|---------------|----------------------------|------------|--------------------------------|---------|
|           |                   |              | BPSK      | 270          | 0             | 4.98                       | 13         | 21.6                           | Pass    |
|           |                   |              | QPSK      | 1            | 0             | 5.11                       | 13         | 21.7                           | Pass    |
|           |                   |              |           | 270          | 0             | 5.45                       | 13         | 21.8                           | Pass    |
|           |                   | HCH          | PI/2      | 1            | 0             | 4.09                       | 13         | 21.9                           | Pass    |
|           |                   |              | BPSK      | 270          | 0             | 5.10                       | 13         | 21.10                          | Pass    |
|           |                   |              | QPSK      | 1            | 0             | 4.87                       | 13         | 21.11                          | Pass    |
|           |                   |              |           | 270          | 0             | 5.34                       | 13         | 21.12                          | 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 |
|------------|----------------------|--------------|-----------|--------------|---------------|----------------------------|------------|--------------------------------|---------|
| DC_5A_n7A  | 10MHz(LTE)+20MHz(NR) | LCH          | PI/2 BPSK | 1            | 0             | 3.87                       | 13         | 22.1                           | Pass    |
|            |                      |              |           | 100          | 0             | 4.36                       | 13         | 22.2                           | Pass    |
|            |                      |              | QPSK      | 1            | 0             | 4.86                       | 13         | 22.3                           | Pass    |
|            |                      |              |           | 100          | 0             | 5.59                       | 13         | 22.4                           | Pass    |
|            |                      | MCH          | PI/2 BPSK | 1            | 0             | 3.94                       | 13         | 22.5                           | Pass    |
|            |                      |              |           | 100          | 0             | 4.44                       | 13         | 22.6                           | Pass    |
|            |                      |              | QPSK      | 1            | 0             | 5.02                       | 13         | 22.7                           | Pass    |
|            |                      |              |           | 100          | 0             | 5.56                       | 13         | 22.8                           | Pass    |
|            |                      | HCH          | PI/2 BPSK | 1            | 0             | 3.86                       | 13         | 22.9                           | Pass    |
|            |                      |              |           | 100          | 0             | 4.29                       | 13         | 22.10                          | Pass    |
|            |                      |              | QPSK      | 1            | 0             | 4.8                        | 13         | 22.11                          | Pass    |
|            |                      |              |           | 100          | 0             | 5.51                       | 13         | 22.12                          | Pass    |
| DC_7A_n5A  | 20MHz(LTE)+20MHz(NR) | LCH          | PI/2 BPSK | 1            | 0             | 3.48                       | 13         | 23.1                           | Pass    |
|            |                      |              |           | 100          | 0             | 4.25                       | 13         | 23.2                           | Pass    |
|            |                      |              | QPSK      | 1            | 0             | 4.45                       | 13         | 23.3                           | Pass    |
|            |                      |              |           | 100          | 0             | 5.41                       | 13         | 23.4                           | Pass    |
|            |                      | MCH          | PI/2 BPSK | 1            | 0             | 3.37                       | 13         | 23.5                           | Pass    |
|            |                      |              |           | 100          | 0             | 4.2                        | 13         | 23.6                           | Pass    |
|            |                      |              | QPSK      | 1            | 0             | 4.26                       | 13         | 23.7                           | Pass    |
|            |                      |              |           | 100          | 0             | 5.28                       | 13         | 23.8                           | Pass    |
|            |                      | HCH          | PI/2 BPSK | 1            | 0             | 3.32                       | 13         | 23.9                           | Pass    |
|            |                      |              |           | 100          | 0             | 3.99                       | 13         | 23.10                          | Pass    |
|            |                      |              | QPSK      | 1            | 0             | 4.15                       | 13         | 23.11                          | Pass    |
|            |                      |              |           | 100          | 0             | 5.21                       | 13         | 23.12                          | Pass    |
| DC_7A_n7A  | 20MHz(LTE)+20MHz(NR) | LCH          | PI/2 BPSK | 1            | 0             | 3.94                       | 13         | 24.1                           | Pass    |
|            |                      |              |           | 100          | 0             | 4.3                        | 13         | 24.2                           | Pass    |
|            |                      |              | QPSK      | 1            | 0             | 4.86                       | 13         | 24.3                           | Pass    |
|            |                      |              |           | 100          | 0             | 5.59                       | 13         | 24.4                           | Pass    |
|            |                      | MCH          | PI/2 BPSK | 1            | 0             | 3.94                       | 13         | 24.5                           | Pass    |
|            |                      |              |           | 100          | 0             | 4.38                       | 13         | 24.6                           | Pass    |
|            |                      |              | QPSK      | 1            | 0             | 4.95                       | 13         | 24.7                           | Pass    |
|            |                      |              |           | 100          | 0             | 5.6                        | 13         | 24.8                           | Pass    |
|            |                      | HCH          | PI/2 BPSK | 1            | 0             | 3.83                       | 13         | 24.9                           | Pass    |
|            |                      |              |           | 100          | 0             | 4.35                       | 13         | 24.10                          | Pass    |
|            |                      |              | QPSK      | 1            | 0             | 4.75                       | 13         | 24.11                          | Pass    |
|            |                      |              |           | 100          | 0             | 5.51                       | 13         | 24.12                          | Pass    |
| DC_7A_n66A | 20MHz(LTE)+20MHz(NR) | LCH          | PI/2 BPSK | 1            | 0             | 3.84                       | 13         | 25.1                           | Pass    |
|            |                      |              |           | 100          | 0             | 4.16                       | 13         | 25.2                           | Pass    |
|            |                      |              | QPSK      | 1            | 0             | 4.84                       | 13         | 25.3                           | Pass    |
|            |                      |              |           | 100          | 0             | 5.33                       | 13         | 25.4                           | Pass    |
|            |                      | MCH          | PI/2      | 1            | 0             | 3.97                       | 13         | 25.5                           | 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 |       |
|-----------------|--------------------------|--------------|-----------|--------------|---------------|----------------------------|------------|--------------------------------|---------|-------|
|                 |                          |              | BPSK      | 100          | 0             | 4.42                       | 13         | 25.6                           | Pass    |       |
|                 |                          |              | QPSK      | 1            | 0             | 4.97                       | 13         | 25.7                           | Pass    |       |
|                 |                          |              |           | 100          | 0             | 5.57                       | 13         | 25.8                           | Pass    |       |
|                 |                          | HCH          | PI/2      | 1            | 0             | 3.86                       | 13         | 25.9                           | Pass    |       |
|                 |                          |              |           | BPSK         | 100           | 0                          | 4.49       | 13                             | 25.10   | Pass  |
|                 |                          |              |           |              | QPSK          | 1                          | 0          | 4.88                           | 13      | 25.11 |
|                 |                          |              |           | 100          | 0             | 5.64                       | 13         | 25.12                          | Pass    |       |
| DC_66<br>A_n7A  | 20MHz(LTE)<br>+20MHz(NR) | LCH          | PI/2      | 1            | 0             | 3.86                       | 13         | 26.1                           | Pass    |       |
|                 |                          |              |           | 100          | 0             | 4.34                       | 13         | 26.2                           | Pass    |       |
|                 |                          |              | QPSK      | 1            | 0             | 4.86                       | 13         | 26.3                           | Pass    |       |
|                 |                          |              |           | 100          | 0             | 5.59                       | 13         | 26.4                           | Pass    |       |
|                 |                          | MCH          | PI/2      | 1            | 0             | 3.95                       | 13         | 26.5                           | Pass    |       |
|                 |                          |              |           | 100          | 0             | 4.33                       | 13         | 26.6                           | Pass    |       |
|                 |                          |              | QPSK      | 1            | 0             | 5                          | 13         | 26.7                           | Pass    |       |
|                 |                          |              |           | 100          | 0             | 5.6                        | 13         | 26.8                           | Pass    |       |
|                 |                          | HCH          | PI/2      | 1            | 0             | 3.84                       | 13         | 26.9                           | Pass    |       |
|                 |                          |              |           | 100          | 0             | 4.35                       | 13         | 26.10                          | Pass    |       |
|                 |                          |              | QPSK      | 1            | 0             | 4.79                       | 13         | 26.11                          | Pass    |       |
|                 |                          |              |           | 100          | 0             | 5.54                       | 13         | 26.12                          | Pass    |       |
| DC_66<br>A_n66A | 20MHz(LTE)<br>+20MHz(NR) | LCH          | PI/2      | 1            | 0             | 4.16                       | 13         | 27.1                           | Pass    |       |
|                 |                          |              |           | 100          | 0             | 4.19                       | 13         | 27.2                           | Pass    |       |
|                 |                          |              | QPSK      | 1            | 0             | 5.16                       | 13         | 27.3                           | Pass    |       |
|                 |                          |              |           | 100          | 0             | 5.28                       | 13         | 27.4                           | Pass    |       |
|                 |                          | MCH          | PI/2      | 1            | 0             | 4.37                       | 13         | 27.5                           | Pass    |       |
|                 |                          |              |           | 100          | 0             | 4.38                       | 13         | 27.6                           | Pass    |       |
|                 |                          |              | QPSK      | 1            | 0             | 5.32                       | 13         | 27.7                           | Pass    |       |
|                 |                          |              |           | 100          | 0             | 5.48                       | 13         | 27.8                           | Pass    |       |
|                 |                          | HCH          | PI/2      | 1            | 0             | 4.36                       | 13         | 27.9                           | Pass    |       |
|                 |                          |              |           | 100          | 0             | 4.5                        | 13         | 27.10                          | Pass    |       |
|                 |                          |              | QPSK      | 1            | 0             | 5.26                       | 13         | 27.11                          | Pass    |       |
|                 |                          |              |           | 100          | 0             | 5.57                       | 13         | 27.12                          | 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-SZ21A0580-501 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          | 0.245                                 | 0.311                                    | 1.1                            |
|              | MCH          | 0.245                                 | 0.309                                    | 1.2                            |
|              | HCH          | 0.245                                 | 0.311                                    | 1.3                            |
| GSM 1900     | LCH          | 0.246                                 | 0.309                                    | 2.1                            |
|              | MCH          | 0.244                                 | 0.307                                    | 2.2                            |
|              | HCH          | 0.245                                 | 0.31                                     | 2.3                            |
| EGPRS 850    | LCH          | 0.244                                 | 0.298                                    | 3.1                            |
|              | MCH          | 0.248                                 | 0.307                                    | 3.2                            |
|              | HCH          | 0.244                                 | 0.306                                    | 3.3                            |
| EGPRS 1900   | LCH          | 0.248                                 | 0.314                                    | 4.1                            |
|              | MCH          | 0.248                                 | 0.313                                    | 4.2                            |
|              | HCH          | 0.248                                 | 0.313                                    | 4.3                            |
| WCDMA Band 2 | LCH          | 4.138                                 | 4.707                                    | 5.1                            |
|              | MCH          | 4.136                                 | 4.703                                    | 5.2                            |
|              | HCH          | 4.14                                  | 4.706                                    | 5.3                            |
| WCDMA Band 4 | LCH          | 4.143                                 | 4.724                                    | 6.1                            |
|              | MCH          | 4.14                                  | 4.718                                    | 6.2                            |
|              | HCH          | 4.139                                 | 4.72                                     | 6.3                            |
| WCDMA Band 5 | LCH          | 4.131                                 | 4.697                                    | 7.1                            |
|              | MCH          | 4.14                                  | 4.699                                    | 7.2                            |
|              | HCH          | 4.148                                 | 4.702                                    | 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                 | 1.087                                 | 1.304                                    | 8.1                            |
|           |                |              | 16-QAM    | RB6#0                 | 1.083                                 | 1.265                                    | 8.2                            |
|           |                | MCH          | QPSK      | RB6#0                 | 1.091                                 | 1.273                                    | 8.3                            |
|           |                |              | 16-QAM    | RB6#0                 | 1.089                                 | 1.284                                    | 8.4                            |
|           |                | HCH          | QPSK      | RB6#0                 | 1.085                                 | 1.284                                    | 8.5                            |
|           |                |              | 16-QAM    | RB6#0                 | 1.091                                 | 1.296                                    | 8.6                            |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.692                                 | 2.946                                    | 8.7                            |
|           |                |              | 16-QAM    | RB15#0                | 2.687                                 | 2.954                                    | 8.8                            |
|           |                | MCH          | QPSK      | RB15#0                | 2.698                                 | 2.937                                    | 8.9                            |
|           |                |              | 16-QAM    | RB15#0                | 2.691                                 | 2.947                                    | 8.10                           |
|           |                | HCH          | QPSK      | RB15#0                | 2.695                                 | 2.947                                    | 8.11                           |
|           |                |              | 16-QAM    | RB15#0                | 2.69                                  | 2.94                                     | 8.12                           |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.498                                 | 4.948                                    | 8.13                           |
|           |                |              | 16-QAM    | RB25#0                | 4.486                                 | 4.913                                    | 8.14                           |
|           |                | MCH          | QPSK      | RB25#0                | 4.49                                  | 4.95                                     | 8.15                           |
|           |                |              | 16-QAM    | RB25#0                | 4.506                                 | 4.955                                    | 8.16                           |
|           |                | HCH          | QPSK      | RB25#0                | 4.491                                 | 4.918                                    | 8.17                           |
|           |                |              | 16-QAM    | RB25#0                | 4.493                                 | 4.984                                    | 8.18                           |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.965                                 | 9.817                                    | 8.19                           |
|           |                |              | 16-QAM    | RB50#0                | 8.947                                 | 9.751                                    | 8.20                           |
|           |                | MCH          | QPSK      | RB50#0                | 8.958                                 | 9.754                                    | 8.21                           |
|           |                |              | 16-QAM    | RB50#0                | 8.956                                 | 9.789                                    | 8.22                           |
|           |                | HCH          | QPSK      | RB50#0                | 8.979                                 | 9.836                                    | 8.23                           |
|           |                |              | 16-QAM    | RB50#0                | 8.979                                 | 9.788                                    | 8.24                           |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.438                                | 14.769                                   | 8.25                           |
|           |                |              | 16-QAM    | RB75#0                | 13.466                                | 14.621                                   | 8.26                           |
|           |                | MCH          | QPSK      | RB75#0                | 13.424                                | 14.68                                    | 8.27                           |
|           |                |              | 16-QAM    | RB75#0                | 13.431                                | 14.643                                   | 8.28                           |
|           |                | HCH          | QPSK      | RB75#0                | 13.453                                | 14.675                                   | 8.29                           |
|           |                |              | 16-QAM    | RB75#0                | 13.474                                | 14.594                                   | 8.30                           |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.923                                | 19.311                                   | 8.31                           |
|           |                |              | 16-QAM    | RB100#0               | 17.901                                | 19.418                                   | 8.32                           |
|           |                | MCH          | QPSK      | RB100#0               | 17.879                                | 19.391                                   | 8.33                           |
|           |                |              | 16-QAM    | RB100#0               | 17.91                                 | 19.502                                   | 8.34                           |
|           |                | HCH          | QPSK      | RB100#0               | 17.944                                | 19.458                                   | 8.35                           |
|           |                |              | 16-QAM    | RB100#0               | 17.9                                  | 19.38                                    | 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                 | 1.085                                 | 1.293                                    | 9.1                            |
|           |                |              | 16-QAM    | RB6#0                 | 1.091                                 | 1.295                                    | 9.2                            |
|           |                | MCH          | QPSK      | RB6#0                 | 1.087                                 | 1.296                                    | 9.3                            |
|           |                |              | 16-QAM    | RB6#0                 | 1.086                                 | 1.263                                    | 9.4                            |
|           |                | HCH          | QPSK      | RB6#0                 | 1.088                                 | 1.274                                    | 9.5                            |
|           |                |              | 16-QAM    | RB6#0                 | 1.086                                 | 1.268                                    | 9.6                            |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.695                                 | 2.954                                    | 9.7                            |
|           |                |              | 16-QAM    | RB15#0                | 2.693                                 | 2.944                                    | 9.8                            |
|           |                | MCH          | QPSK      | RB15#0                | 2.692                                 | 2.949                                    | 9.9                            |
|           |                |              | 16-QAM    | RB15#0                | 2.689                                 | 2.943                                    | 9.10                           |
|           |                | HCH          | QPSK      | RB15#0                | 2.698                                 | 2.944                                    | 9.11                           |
|           |                |              | 16-QAM    | RB15#0                | 2.688                                 | 2.953                                    | 9.12                           |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.501                                 | 4.963                                    | 9.13                           |
|           |                |              | 16-QAM    | RB25#0                | 4.49                                  | 4.93                                     | 9.14                           |
|           |                | MCH          | QPSK      | RB25#0                | 4.489                                 | 4.96                                     | 9.15                           |
|           |                |              | 16-QAM    | RB25#0                | 4.494                                 | 4.945                                    | 9.16                           |
|           |                | HCH          | QPSK      | RB25#0                | 4.487                                 | 4.937                                    | 9.17                           |
|           |                |              | 16-QAM    | RB25#0                | 4.495                                 | 5.001                                    | 9.18                           |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.972                                 | 9.844                                    | 9.19                           |
|           |                |              | 16-QAM    | RB50#0                | 8.966                                 | 9.783                                    | 9.20                           |
|           |                | MCH          | QPSK      | RB50#0                | 8.952                                 | 9.741                                    | 9.21                           |
|           |                |              | 16-QAM    | RB50#0                | 8.954                                 | 9.815                                    | 9.22                           |
|           |                | HCH          | QPSK      | RB50#0                | 8.972                                 | 9.771                                    | 9.23                           |
|           |                |              | 16-QAM    | RB50#0                | 8.97                                  | 9.822                                    | 9.24                           |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.423                                | 14.873                                   | 9.25                           |
|           |                |              | 16-QAM    | RB75#0                | 13.427                                | 14.68                                    | 9.26                           |
|           |                | MCH          | QPSK      | RB75#0                | 13.415                                | 14.612                                   | 9.27                           |
|           |                |              | 16-QAM    | RB75#0                | 13.423                                | 14.663                                   | 9.28                           |
|           |                | HCH          | QPSK      | RB75#0                | 13.417                                | 14.697                                   | 9.29                           |
|           |                |              | 16-QAM    | RB75#0                | 13.451                                | 14.75                                    | 9.30                           |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.912                                | 19.357                                   | 9.31                           |
|           |                |              | 16-QAM    | RB100#0               | 17.944                                | 19.492                                   | 9.32                           |
|           |                | MCH          | QPSK      | RB100#0               | 17.908                                | 19.382                                   | 9.33                           |
|           |                |              | 16-QAM    | RB100#0               | 17.926                                | 19.665                                   | 9.34                           |
|           |                | HCH          | QPSK      | RB100#0               | 17.93                                 | 19.556                                   | 9.35                           |
|           |                |              | 16-QAM    | RB100#0               | 17.898                                | 19.376                                   | 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                 | 1.085                                 | 1.286                                    | 10.1                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.093                                 | 1.299                                    | 10.2                           |
|           |                | MCH          | QPSK      | RB6#0                 | 1.086                                 | 1.306                                    | 10.3                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.086                                 | 1.263                                    | 10.4                           |
|           |                | HCH          | QPSK      | RB6#0                 | 1.09                                  | 1.266                                    | 10.5                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.275                                    | 10.6                           |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.69                                  | 2.946                                    | 10.7                           |
|           |                |              | 16-QAM    | RB15#0                | 2.688                                 | 2.92                                     | 10.8                           |
|           |                | MCH          | QPSK      | RB15#0                | 2.698                                 | 2.928                                    | 10.9                           |
|           |                |              | 16-QAM    | RB15#0                | 2.691                                 | 2.94                                     | 10.10                          |
|           |                | HCH          | QPSK      | RB15#0                | 2.692                                 | 2.952                                    | 10.11                          |
|           |                |              | 16-QAM    | RB15#0                | 2.69                                  | 2.945                                    | 10.12                          |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.502                                 | 4.952                                    | 10.13                          |
|           |                |              | 16-QAM    | RB25#0                | 4.486                                 | 4.901                                    | 10.14                          |
|           |                | MCH          | QPSK      | RB25#0                | 4.484                                 | 4.998                                    | 10.15                          |
|           |                |              | 16-QAM    | RB25#0                | 4.503                                 | 4.959                                    | 10.16                          |
|           |                | HCH          | QPSK      | RB25#0                | 4.486                                 | 4.947                                    | 10.17                          |
|           |                |              | 16-QAM    | RB25#0                | 4.501                                 | 4.985                                    | 10.18                          |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.978                                 | 9.9                                      | 10.19                          |
|           |                |              | 16-QAM    | RB50#0                | 8.978                                 | 9.716                                    | 10.20                          |
|           |                | MCH          | QPSK      | RB50#0                | 8.955                                 | 9.748                                    | 10.21                          |
|           |                |              | 16-QAM    | RB50#0                | 8.96                                  | 9.773                                    | 10.22                          |
|           |                | HCH          | QPSK      | RB50#0                | 8.962                                 | 9.826                                    | 10.23                          |
|           |                |              | 16-QAM    | RB50#0                | 8.954                                 | 9.836                                    | 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                | 4.501                                 | 4.957                                    | 11.1                           |
|           |                |              | 16-QAM    | RB25#0                | 4.491                                 | 4.915                                    | 11.2                           |
|           |                | MCH          | QPSK      | RB25#0                | 4.485                                 | 4.96                                     | 11.3                           |
|           |                |              | 16-QAM    | RB25#0                | 4.494                                 | 4.969                                    | 11.4                           |
|           |                | HCH          | QPSK      | RB25#0                | 4.485                                 | 4.951                                    | 11.5                           |
|           |                |              | 16-QAM    | RB25#0                | 4.5                                   | 4.984                                    | 11.6                           |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.977                                 | 9.876                                    | 11.7                           |
|           |                |              | 16-QAM    | RB50#0                | 8.954                                 | 9.786                                    | 11.8                           |
|           |                | MCH          | QPSK      | RB50#0                | 8.943                                 | 9.751                                    | 11.9                           |
|           |                |              | 16-QAM    | RB50#0                | 8.964                                 | 9.798                                    | 11.10                          |
|           |                | HCH          | QPSK      | RB50#0                | 8.966                                 | 9.731                                    | 11.11                          |
|           |                |              | 16-QAM    | RB50#0                | 8.959                                 | 9.812                                    | 11.12                          |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.433                                | 14.688                                   | 11.13                          |
|           |                |              | 16-QAM    | RB75#0                | 13.461                                | 14.572                                   | 11.14                          |
|           |                | MCH          | QPSK      | RB75#0                | 13.42                                 | 14.641                                   | 11.15                          |
|           |                |              | 16-QAM    | RB75#0                | 13.45                                 | 14.664                                   | 11.16                          |
|           |                | HCH          | QPSK      | RB75#0                | 13.44                                 | 14.654                                   | 11.17                          |
|           |                |              | 16-QAM    | RB75#0                | 13.443                                | 14.733                                   | 11.18                          |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.916                                | 19.338                                   | 11.19                          |
|           |                |              | 16-QAM    | RB100#0               | 17.923                                | 19.41                                    | 11.20                          |
|           |                | MCH          | QPSK      | RB100#0               | 17.896                                | 19.376                                   | 11.21                          |
|           |                |              | 16-QAM    | RB100#0               | 17.917                                | 19.405                                   | 11.22                          |
|           |                | HCH          | QPSK      | RB100#0               | 17.927                                | 19.525                                   | 11.23                          |
|           |                |              | 16-QAM    | RB100#0               | 17.89                                 | 19.354                                   | 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                 | 1.085                                 | 1.29                                     | 12.1                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.297                                    | 12.2                           |
|           |                | MCH          | QPSK      | RB6#0                 | 1.087                                 | 1.305                                    | 12.3                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.083                                 | 1.261                                    | 12.4                           |
|           |                | HCH          | QPSK      | RB6#0                 | 1.087                                 | 1.27                                     | 12.5                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.086                                 | 1.267                                    | 12.6                           |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.693                                 | 2.951                                    | 12.7                           |
|           |                |              | 16-QAM    | RB15#0                | 2.691                                 | 2.932                                    | 12.8                           |
|           |                | MCH          | QPSK      | RB15#0                | 2.694                                 | 2.932                                    | 12.9                           |
|           |                |              | 16-QAM    | RB15#0                | 2.686                                 | 2.945                                    | 12.10                          |
|           |                | HCH          | QPSK      | RB15#0                | 2.691                                 | 2.945                                    | 12.11                          |
|           |                |              | 16-QAM    | RB15#0                | 2.685                                 | 2.943                                    | 12.12                          |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.5                                   | 4.967                                    | 12.13                          |
|           |                |              | 16-QAM    | RB25#0                | 4.485                                 | 4.902                                    | 12.14                          |
|           |                | MCH          | QPSK      | RB25#0                | 4.494                                 | 4.94                                     | 12.15                          |
|           |                |              | 16-QAM    | RB25#0                | 4.498                                 | 4.953                                    | 12.16                          |
|           |                | HCH          | QPSK      | RB25#0                | 4.485                                 | 4.932                                    | 12.17                          |
|           |                |              | 16-QAM    | RB25#0                | 4.493                                 | 4.996                                    | 12.18                          |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.959                                 | 9.816                                    | 12.19                          |
|           |                |              | 16-QAM    | RB50#0                | 8.971                                 | 9.798                                    | 12.20                          |
|           |                | MCH          | QPSK      | RB50#0                | 8.944                                 | 9.729                                    | 12.21                          |
|           |                |              | 16-QAM    | RB50#0                | 8.954                                 | 9.727                                    | 12.22                          |
|           |                | HCH          | QPSK      | RB50#0                | 8.973                                 | 9.813                                    | 12.23                          |
|           |                |              | 16-QAM    | RB50#0                | 8.959                                 | 9.811                                    | 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 17   | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.497                                 | 4.949                                    | 13.1                           |
|           |                |              | 16-QAM    | RB25#0                | 4.485                                 | 4.897                                    | 13.2                           |
|           |                | MCH          | QPSK      | RB25#0                | 4.49                                  | 4.951                                    | 13.3                           |
|           |                |              | 16-QAM    | RB25#0                | 4.495                                 | 4.972                                    | 13.4                           |
|           |                | HCH          | QPSK      | RB25#0                | 4.486                                 | 4.934                                    | 13.5                           |
|           |                |              | 16-QAM    | RB25#0                | 4.494                                 | 4.96                                     | 13.6                           |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.971                                 | 9.88                                     | 13.7                           |
|           |                |              | 16-QAM    | RB50#0                | 8.981                                 | 9.739                                    | 13.8                           |
|           |                | MCH          | QPSK      | RB50#0                | 8.956                                 | 9.757                                    | 13.9                           |
|           |                |              | 16-QAM    | RB50#0                | 8.976                                 | 9.751                                    | 13.10                          |
|           |                | HCH          | QPSK      | RB50#0                | 8.971                                 | 9.808                                    | 13.11                          |
|           |                |              | 16-QAM    | RB50#0                | 8.962                                 | 9.801                                    | 13.12                          |



| 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                 | 1.084                                 | 1.282                                    | 14.1                           |
|                  |                |              | 16-QAM    | RB6#0                 | 1.092                                 | 1.276                                    | 14.2                           |
|                  |                | MCH          | QPSK      | RB6#0                 | 1.088                                 | 1.292                                    | 14.3                           |
|                  |                |              | 16-QAM    | RB6#0                 | 1.082                                 | 1.274                                    | 14.4                           |
|                  |                | HCH          | QPSK      | RB6#0                 | 1.093                                 | 1.276                                    | 14.5                           |
|                  |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.279                                    | 14.6                           |
|                  | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.69                                  | 2.94                                     | 14.7                           |
|                  |                |              | 16-QAM    | RB15#0                | 2.688                                 | 2.927                                    | 14.8                           |
|                  |                | MCH          | QPSK      | RB15#0                | 2.694                                 | 2.938                                    | 14.9                           |
|                  |                |              | 16-QAM    | RB15#0                | 2.691                                 | 2.944                                    | 14.10                          |
|                  |                | HCH          | QPSK      | RB15#0                | 2.695                                 | 2.947                                    | 14.11                          |
|                  |                |              | 16-QAM    | RB15#0                | 2.689                                 | 2.948                                    | 14.12                          |
|                  | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.494                                 | 4.962                                    | 14.13                          |
|                  |                |              | 16-QAM    | RB25#0                | 4.483                                 | 4.917                                    | 14.14                          |
|                  |                | MCH          | QPSK      | RB25#0                | 4.49                                  | 4.946                                    | 14.15                          |
|                  |                |              | 16-QAM    | RB25#0                | 4.504                                 | 4.975                                    | 14.16                          |
|                  |                | HCH          | QPSK      | RB25#0                | 4.492                                 | 4.948                                    | 14.17                          |
|                  |                |              | 16-QAM    | RB25#0                | 4.504                                 | 4.976                                    | 14.18                          |
|                  | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.967                                 | 9.874                                    | 14.19                          |
|                  |                |              | 16-QAM    | RB50#0                | 8.974                                 | 9.73                                     | 14.20                          |
|                  |                | MCH          | QPSK      | RB50#0                | 8.947                                 | 9.749                                    | 14.21                          |
|                  |                |              | 16-QAM    | RB50#0                | 8.959                                 | 9.816                                    | 14.22                          |
|                  |                | HCH          | QPSK      | RB50#0                | 8.967                                 | 9.739                                    | 14.23                          |
|                  |                |              | 16-QAM    | RB50#0                | 8.966                                 | 9.807                                    | 14.24                          |
|                  | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.461                                | 14.697                                   | 14.25                          |
|                  |                |              | 16-QAM    | RB75#0                | 13.492                                | 14.607                                   | 14.26                          |
|                  |                | MCH          | QPSK      | RB75#0                | 13.43                                 | 14.636                                   | 14.27                          |
|                  |                |              | 16-QAM    | RB75#0                | 13.445                                | 14.638                                   | 14.28                          |
|                  |                | HCH          | QPSK      | RB75#0                | 13.407                                | 14.682                                   | 14.29                          |
|                  |                |              | 16-QAM    | RB75#0                | 13.436                                | 14.695                                   | 14.30                          |

| 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                 | 1.085                                 | 1.275                                    | 15.1                           |
|                  |                |              | 16-QAM    | RB6#0                 | 1.093                                 | 1.279                                    | 15.2                           |
|                  |                | MCH          | QPSK      | RB6#0                 | 1.089                                 | 1.289                                    | 15.3                           |
|                  |                |              | 16-QAM    | RB6#0                 | 1.085                                 | 1.272                                    | 15.4                           |
|                  |                | HCH          | QPSK      | RB6#0                 | 1.089                                 | 1.272                                    | 15.5                           |
|                  |                |              | 16-QAM    | RB6#0                 | 1.087                                 | 1.274                                    | 15.6                           |
|                  | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.694                                 | 2.929                                    | 15.7                           |
|                  |                |              | 16-QAM    | RB15#0                | 2.692                                 | 2.955                                    | 15.8                           |
|                  |                | MCH          | QPSK      | RB15#0                | 2.698                                 | 2.939                                    | 15.9                           |
|                  |                |              | 16-QAM    | RB15#0                | 2.692                                 | 2.944                                    | 15.10                          |
|                  |                | HCH          | QPSK      | RB15#0                | 2.693                                 | 2.933                                    | 15.11                          |
|                  |                |              | 16-QAM    | RB15#0                | 2.686                                 | 2.95                                     | 15.12                          |
|                  | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.503                                 | 4.982                                    | 15.13                          |
|                  |                |              | 16-QAM    | RB25#0                | 4.487                                 | 4.96                                     | 15.14                          |
|                  |                | MCH          | QPSK      | RB25#0                | 4.489                                 | 4.956                                    | 15.15                          |
|                  |                |              | 16-QAM    | RB25#0                | 4.495                                 | 4.949                                    | 15.16                          |
|                  |                | HCH          | QPSK      | RB25#0                | 4.493                                 | 4.914                                    | 15.17                          |
|                  |                |              | 16-QAM    | RB25#0                | 4.491                                 | 4.97                                     | 15.18                          |
|                  | 10 MHz         | MCH          | QPSK      | RB50#0                | 8.957                                 | 9.792                                    | 15.19                          |
|                  |                |              | 16-QAM    | RB50#0                | 8.974                                 | 9.799                                    | 15.20                          |

| 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 38   | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.488                                 | 4.981                                    | 16.1                           |
|           |                |              | 16-QAM    | RB25#0                | 4.495                                 | 4.977                                    | 16.2                           |
|           |                | MCH          | QPSK      | RB25#0                | 4.504                                 | 4.914                                    | 16.3                           |
|           |                |              | 16-QAM    | RB25#0                | 4.486                                 | 4.964                                    | 16.4                           |
|           |                | HCH          | QPSK      | RB25#0                | 4.491                                 | 4.952                                    | 16.5                           |
|           |                |              | 16-QAM    | RB25#0                | 4.49                                  | 4.983                                    | 16.6                           |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.992                                 | 10.261                                   | 16.7                           |
|           |                |              | 16-QAM    | RB50#0                | 8.983                                 | 9.781                                    | 16.8                           |
|           |                | MCH          | QPSK      | RB50#0                | 8.99                                  | 10.477                                   | 16.9                           |
|           |                |              | 16-QAM    | RB50#0                | 8.961                                 | 9.826                                    | 16.10                          |
|           |                | HCH          | QPSK      | RB50#0                | 8.997                                 | 9.925                                    | 16.11                          |
|           |                |              | 16-QAM    | RB50#0                | 8.971                                 | 9.98                                     | 16.12                          |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.466                                | 15.678                                   | 16.13                          |
|           |                |              | 16-QAM    | RB75#0                | 13.485                                | 15.359                                   | 16.14                          |
|           |                | MCH          | QPSK      | RB75#0                | 13.42                                 | 14.661                                   | 16.15                          |
|           |                |              | 16-QAM    | RB75#0                | 13.509                                | 15.336                                   | 16.16                          |
|           |                | HCH          | QPSK      | RB75#0                | 13.465                                | 16.349                                   | 16.17                          |
|           |                |              | 16-QAM    | RB75#0                | 13.498                                | 15.023                                   | 16.18                          |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.952                                | 19.357                                   | 16.19                          |
|           |                |              | 16-QAM    | RB100#0               | 17.919                                | 20.409                                   | 16.20                          |
|           |                | MCH          | QPSK      | RB100#0               | 17.93                                 | 20.301                                   | 16.21                          |
|           |                |              | 16-QAM    | RB100#0               | 17.982                                | 22.024                                   | 16.22                          |
|           |                | HCH          | QPSK      | RB100#0               | 17.957                                | 20.135                                   | 16.23                          |
|           |                |              | 16-QAM    | RB100#0               | 17.915                                | 20.291                                   | 16.24                          |

| 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                | 4.489                                 | 4.982                                    | 17.1                           |
|           |                |              | 16-QAM    | RB25#0                | 4.492                                 | 4.966                                    | 17.2                           |
|           |                | MCH          | QPSK      | RB25#0                | 4.501                                 | 4.916                                    | 17.3                           |
|           |                |              | 16-QAM    | RB25#0                | 4.488                                 | 4.956                                    | 17.4                           |
|           |                | HCH          | QPSK      | RB25#0                | 4.49                                  | 4.945                                    | 17.5                           |
|           |                |              | 16-QAM    | RB25#0                | 4.492                                 | 4.983                                    | 17.6                           |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.983                                 | 10.207                                   | 17.7                           |
|           |                |              | 16-QAM    | RB50#0                | 8.98                                  | 9.738                                    | 17.8                           |
|           |                | MCH          | QPSK      | RB50#0                | 8.988                                 | 10.537                                   | 17.9                           |
|           |                |              | 16-QAM    | RB50#0                | 8.95                                  | 9.8                                      | 17.10                          |
|           |                | HCH          | QPSK      | RB50#0                | 8.992                                 | 9.925                                    | 17.11                          |
|           |                |              | 16-QAM    | RB50#0                | 8.976                                 | 10.03                                    | 17.12                          |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.489                                | 15.705                                   | 17.13                          |
|           |                |              | 16-QAM    | RB75#0                | 13.481                                | 15.377                                   | 17.14                          |
|           |                | MCH          | QPSK      | RB75#0                | 13.426                                | 14.633                                   | 17.15                          |
|           |                |              | 16-QAM    | RB75#0                | 13.516                                | 15.357                                   | 17.16                          |
|           |                | HCH          | QPSK      | RB75#0                | 13.465                                | 16.507                                   | 17.17                          |
|           |                |              | 16-QAM    | RB75#0                | 13.502                                | 15.015                                   | 17.18                          |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.955                                | 19.329                                   | 17.19                          |
|           |                |              | 16-QAM    | RB100#0               | 17.934                                | 20.17                                    | 17.20                          |
|           |                | MCH          | QPSK      | RB100#0               | 17.933                                | 20.563                                   | 17.21                          |
|           |                |              | 16-QAM    | RB100#0               | 17.973                                | 22.002                                   | 17.22                          |
|           |                | HCH          | QPSK      | RB100#0               | 17.955                                | 20.297                                   | 17.23                          |
|           |                |              | 16-QAM    | RB100#0               | 17.931                                | 20.276                                   | 17.24                          |

| 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 66   | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.086                                 | 1.28                                     | 18.1                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.091                                 | 1.301                                    | 18.2                           |
|           |                | MCH          | QPSK      | RB6#0                 | 1.087                                 | 1.29                                     | 18.3                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.084                                 | 1.271                                    | 18.4                           |
|           |                | HCH          | QPSK      | RB6#0                 | 1.091                                 | 1.273                                    | 18.5                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.09                                  | 1.273                                    | 18.6                           |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.692                                 | 2.945                                    | 18.7                           |
|           |                |              | 16-QAM    | RB15#0                | 2.694                                 | 2.939                                    | 18.8                           |
|           |                | MCH          | QPSK      | RB15#0                | 2.69                                  | 2.941                                    | 18.9                           |
|           |                |              | 16-QAM    | RB15#0                | 2.692                                 | 2.948                                    | 18.10                          |
|           |                | HCH          | QPSK      | RB15#0                | 2.69                                  | 2.949                                    | 18.11                          |
|           |                |              | 16-QAM    | RB15#0                | 2.688                                 | 2.949                                    | 18.12                          |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.501                                 | 4.966                                    | 18.13                          |
|           |                |              | 16-QAM    | RB25#0                | 4.489                                 | 4.9                                      | 18.14                          |
|           |                | MCH          | QPSK      | RB25#0                | 4.489                                 | 4.948                                    | 18.15                          |
|           |                |              | 16-QAM    | RB25#0                | 4.505                                 | 4.955                                    | 18.16                          |
|           |                | HCH          | QPSK      | RB25#0                | 4.498                                 | 4.917                                    | 18.17                          |
|           |                |              | 16-QAM    | RB25#0                | 4.497                                 | 4.988                                    | 18.18                          |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.97                                  | 9.858                                    | 18.19                          |
|           |                |              | 16-QAM    | RB50#0                | 8.971                                 | 9.744                                    | 18.20                          |
|           |                | MCH          | QPSK      | RB50#0                | 8.96                                  | 9.768                                    | 18.21                          |
|           |                |              | 16-QAM    | RB50#0                | 8.963                                 | 9.741                                    | 18.22                          |
|           |                | HCH          | QPSK      | RB50#0                | 8.958                                 | 9.82                                     | 18.23                          |
|           |                |              | 16-QAM    | RB50#0                | 8.969                                 | 9.833                                    | 18.24                          |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.429                                | 14.675                                   | 18.25                          |
|           |                |              | 16-QAM    | RB75#0                | 13.442                                | 14.656                                   | 18.26                          |
|           |                | MCH          | QPSK      | RB75#0                | 13.412                                | 14.6                                     | 18.27                          |
|           |                |              | 16-QAM    | RB75#0                | 13.44                                 | 14.677                                   | 18.28                          |
|           |                | HCH          | QPSK      | RB75#0                | 13.431                                | 14.782                                   | 18.29                          |
|           |                |              | 16-QAM    | RB75#0                | 13.432                                | 14.705                                   | 18.30                          |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.914                                | 19.334                                   | 18.31                          |
|           |                |              | 16-QAM    | RB100#0               | 17.943                                | 19.395                                   | 18.32                          |
|           |                | MCH          | QPSK      | RB100#0               | 17.906                                | 19.353                                   | 18.33                          |
|           |                |              | 16-QAM    | RB100#0               | 17.902                                | 19.437                                   | 18.34                          |
|           |                | HCH          | QPSK      | RB100#0               | 17.912                                | 19.583                                   | 18.35                          |
|           |                |              | 16-QAM    | RB100#0               | 17.909                                | 19.425                                   | 18.36                          |

| 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      | 27.8                                  | 29.65                                     | 19.1                           |
|              | 16-QAM     | 50     | 0      | 100    | 0      | 27.71                                 | 29.48                                     | 19.2                           |
| 20MHz+10MHz  |            |        |        |        |        |                                       |   |                                |
| Mid          | QPSK       | 100    | 0      | 50     | 0      | 27.78                                 | 29.66                                     | 19.3                           |
|              | 16-QAM     | 100    | 0      | 50     | 0      | 27.73                                 | 29.48                                     | 19.4                           |
| 15MHz+15MHz  |            |        |        |        |        |                                       |   |                                |
| Mid          | QPSK       | 75     | 0      | 75     | 0      | 28.36                                 | 30.38                                     | 19.5                           |
|              | 16-QAM     | 75     | 0      | 75     | 0      | 28.41                                 | 30.31                                     | 19.6                           |
| 15MHz+20MHz  |            |        |        |        |        |                                       |   |                                |
| Mid          | QPSK       | 75     | 0      | 100    | 0      | 32.7                                  | 34.95                                     | 19.7                           |
|              | 16-QAM     | 75     | 0      | 100    | 0      | 32.57                                 | 34.81                                     | 19.8                           |
| 20MHz+15MHz  |            |        |        |        |        |                                       |   |                                |
| Mid          | QPSK       | 100    | 0      | 75     | 0      | 32.63                                 | 34.81                                     | 19.9                           |
|              | 16-QAM     | 100    | 0      | 75     | 0      | 32.62                                 | 34.74                                     | 19.10                          |
| 20MHz+20MHz  |            |        |        |        |        |                                       |   |                                |
| Mid          | QPSK       | 100    | 0      | 100    | 0      | 37.61                                 | 39.99                                     | 19.11                          |
|              | 16-QAM     | 100    | 0      | 100    | 0      | 37.54                                 | 40.09                                     | 19.12                          |

| 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      | 28.43                                 | 32.34                                     | 20.1                           |
|               | 16-QAM     | 75     | 0      | 75     | 0      | 28.51                                 | 32.4                                      | 20.2                           |
| 20MHz+20MHz   |            |        |        |        |        |                                       |   |                                |
| Mid           | QPSK       | 100    | 0      | 100    | 0      | 37.66                                 | 42.13                                     | 20.3                           |
|               | 16-QAM     | 100    | 0      | 100    | 0      | 37.56                                 | 39.91                                     | 20.4                           |

| 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      | 23.05                                 | 29.89                                     | 21.1                           |
|               | 16-QAM     | 25     | 0      | 100    | 0      | 22.93                                 | 25.59                                     | 21.2                           |
| 20MHz+5MHz    |            |        |        |        |        |                                       |   |                                |
| Mid           | QPSK       | 100    | 0      | 25     | 0      | 23.01                                 | 25.95                                     | 21.3                           |
|               | 16-QAM     | 100    | 0      | 25     | 0      | 22.96                                 | 25.34                                     | 21.4                           |
| 10MHz+20MHz   |            |        |        |        |        |                                       |   |                                |
| Mid           | QPSK       | 50     | 0      | 100    | 0      | 27.88                                 | 37.13                                     | 21.5                           |
|               | 16-QAM     | 50     | 0      | 100    | 0      | 27.83                                 | 33.27                                     | 21.6                           |
| 20MHz+10MHz   |            |        |        |        |        |                                       |   |                                |
| Mid           | QPSK       | 100    | 0      | 50     | 0      | 27.87                                 | 31.06                                     | 21.7                           |
|               | 16-QAM     | 100    | 0      | 50     | 0      | 27.79                                 | 31.22                                     | 21.8                           |
| 15MHz+15MHz   |            |        |        |        |        |                                       |   |                                |
| Mid           | QPSK       | 75     | 0      | 75     | 0      | 28.48                                 | 35.85                                     | 21.9                           |
|               | 16-QAM     | 75     | 0      | 75     | 0      | 28.55                                 | 36.26                                     | 21.10                          |
| 15MHz+20MHz   |            |        |        |        |        |                                       |   |                                |
| Mid           | QPSK       | 75     | 0      | 100    | 0      | 32.76                                 | 38.77                                     | 21.11                          |
|               | 16-QAM     | 75     | 0      | 100    | 0      | 32.63                                 | 39.96                                     | 21.12                          |
| 20MHz+15MHz   |            |        |        |        |        |                                       |   |                                |
| Mid           | QPSK       | 100    | 0      | 75     | 0      | 32.74                                 | 41.91                                     | 21.13                          |
|               | 16-QAM     | 100    | 0      | 75     | 0      | 32.76                                 | 39.07                                     | 21.14                          |
| 20MHz+20MHz   |            |        |        |        |        |                                       |   |                                |
| Mid           | QPSK       | 100    | 0      | 100    | 0      | 37.72                                 | 46.77                                     | 21.15                          |
|               | 16-QAM     | 100    | 0      | 100    | 0      | 37.57                                 | 41.75                                     | 21.16                          |

## 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>Note2</sup> |      |
|-----------|-------------------|--------------|-----------|--------------|---------------|---------------------------------------|---|----------|--------------------------------|------|
| n5        | 5 MHz             | LCH          | PI/2 BPSK | 25           | 0             | 4.499092                              | 4.939637                                  | Pass     | 22.1                           |      |
|           |                   |              | QPSK      | 25           | 0             | 4.520943                              | 4.998051                                  | Pass     | 22.2                           |      |
|           |                   | MCH          | PI/2 BPSK | 25           | 0             | 4.501108                              | 4.940953                                  | Pass     | 22.3                           |      |
|           |                   |              | QPSK      | 25           | 0             | 4.516967                              | 4.948256                                  | Pass     | 22.4                           |      |
|           |                   | HCH          | PI/2 BPSK | 25           | 0             | 4.493442                              | 4.941893                                  | Pass     | 22.5                           |      |
|           |                   |              | QPSK      | 25           | 0             | 4.515192                              | 4.943014                                  | Pass     | 22.6                           |      |
|           | 15 MHz            | LCH          | PI/2 BPSK | 75           | 0             | 13.4696                               | 14.454                                    | Pass     | 22.7                           |      |
|           |                   |              | QPSK      | 75           | 0             | 13.42919                              | 14.39725                                  | Pass     | 22.8                           |      |
|           |                   | MCH          | PI/2 BPSK | 75           | 0             | 13.478                                | 14.41971                                  | Pass     | 22.9                           |      |
|           |                   |              | QPSK      | 75           | 0             | 13.43623                              | 14.41268                                  | Pass     | 22.10                          |      |
|           |                   | HCH          | PI/2 BPSK | 75           | 0             | 13.4761                               | 14.45042                                  | Pass     | 22.11                          |      |
|           |                   |              | QPSK      | 75           | 0             | 13.40316                              | 14.47705                                  | Pass     | 22.12                          |      |
|           | 20 MHz            | LCH          | PI/2 BPSK | 100          | 0             | 17.92925                              | 19.34564                                  | Pass     | 22.13                          |      |
|           |                   |              | QPSK      | 100          | 0             | 17.89289                              | 19.24127                                  | Pass     | 22.14                          |      |
|           |                   | MCH          | PI/2 BPSK | 100          | 0             | 17.87768                              | 19.19136                                  | Pass     | 22.15                          |      |
|           |                   |              | QPSK      | 100          | 0             | 17.85542                              | 19.24309                                  | Pass     | 22.16                          |      |
|           |                   | HCH          | PI/2 BPSK | 100          | 0             | 17.8579                               | 19.20401                                  | Pass     | 22.17                          |      |
|           |                   |              | QPSK      | 100          | 0             | 17.82203                              | 19.20282                                  | Pass     | 22.18                          |      |
|           | n7                | 5 MHz        | LCH       | PI/2 BPSK    | 25            | 0                                     | 4.502426                                  | 4.941169 | Pass                           | 23.1 |
|           |                   |              |           | QPSK         | 25            | 0                                     | 4.48406                                   | 4.956115 | Pass                           | 23.2 |
|           |                   |              | MCH       | PI/2 BPSK    | 25            | 0                                     | 4.507404                                  | 4.936684 | Pass                           | 23.3 |
|           |                   |              |           | QPSK         | 25            | 0                                     | 4.487911                                  | 4.951451 | Pass                           | 23.4 |
|           |                   |              | HCH       | PI/2 BPSK    | 25            | 0                                     | 4.505321                                  | 4.949397 | Pass                           | 23.5 |
|           |                   |              |           | QPSK         | 25            | 0                                     | 4.483376                                  | 4.943495 | Pass                           | 23.6 |
| 15 MHz    |                   | LCH          | PI/2 BPSK | 75           | 0             | 13.49487                              | 14.44902                                  | Pass     | 23.7                           |      |
|           |                   |              | QPSK      | 75           | 0             | 13.42528                              | 14.44713                                  | Pass     | 23.8                           |      |
|           |                   | MCH          | PI/2 BPSK | 75           | 0             | 13.4637                               | 14.42351                                  | Pass     | 23.9                           |      |
|           |                   |              | QPSK      | 75           | 0             | 13.41236                              | 14.36554                                  | Pass     | 23.10                          |      |
|           |                   | HCH          | PI/2 BPSK | 75           | 0             | 13.45806                              | 14.4647                                   | Pass     | 23.11                          |      |
|           |                   |              | QPSK      | 75           | 0             | 13.41702                              | 14.41003                                  | Pass     | 23.12                          |      |
| 20 MHz    |                   | LCH          | PI/2 BPSK | 100          | 0             | 17.87548                              | 19.20989                                  | Pass     | 23.13                          |      |
|           |                   |              | QPSK      | 100          | 0             | 17.83762                              | 19.15571                                  | Pass     | 23.14                          |      |
|           |                   | MCH          | PI/2 BPSK | 100          | 0             | 17.87495                              | 19.20592                                  | Pass     | 23.15                          |      |
|           |                   |              | QPSK      | 100          | 0             | 17.81107                              | 19.15232                                  | Pass     | 23.16                          |      |
|           |                   | HCH          | PI/2 BPSK | 100          | 0             | 17.86472                              | 19.10172                                  | Pass     | 23.17                          |      |
|           |                   |              | QPSK      | 100          | 0             | 17.83499                              | 19.15949                                  | Pass     | 23.18                          |      |
| n38       | 20 MHz            | LCH          | PI/2 BPSK | 50           | 0             | 17.86445                              | 19.26279                                  | Pass     | 24.1                           |      |
|           |                   |              | QPSK      | 50           | 0             | 17.84681                              | 19.26199                                  | Pass     | 24.2                           |      |
|           |                   | MCH          | PI/2 BPSK | 50           | 0             | 17.84414                              | 19.24305                                  | Pass     | 24.3                           |      |



| 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> |      |       |
|-----------|-------------------|--------------|-----------|--------------|---------------|---------------------------------------|---|----------|--------------------------------|------|-------|
|           |                   | HCH          | QPSK      | 50           | 0             | 17.86262                              | 19.25369                                  | Pass     | 24.4                           |      |       |
|           |                   |              | PI/2 BPSK | 50           | 0             | 17.83873                              | 19.18815                                  | Pass     | 24.5                           |      |       |
|           | 30 MHz            | LCH          | QPSK      | 50           | 0             | 17.8647                               | 19.28405                                  | Pass     | 24.6                           |      |       |
|           |                   |              | PI/2 BPSK | 75           | 0             | 27.35994                              | 29.93237                                  | Pass     | 24.7                           |      |       |
|           |                   | MCH          | QPSK      | 75           | 0             | 27.18255                              | 30.04532                                  | Pass     | 24.8                           |      |       |
|           |                   |              | PI/2 BPSK | 75           | 0             | 27.33521                              | 29.97451                                  | Pass     | 24.9                           |      |       |
|           |                   | HCH          | QPSK      | 75           | 0             | 27.16344                              | 29.95841                                  | Pass     | 24.10                          |      |       |
|           |                   |              | PI/2 BPSK | 75           | 0             | 27.34155                              | 30.00055                                  | Pass     | 24.11                          |      |       |
|           | 40 MHz            | LCH          | QPSK      | 75           | 0             | 27.13162                              | 29.86291                                  | Pass     | 24.12                          |      |       |
|           |                   |              | PI/2 BPSK | 100          | 0             | 35.97059                              | 38.93253                                  | Pass     | 24.13                          |      |       |
|           |                   | MCH          | QPSK      | 100          | 0             | 35.96109                              | 38.90606                                  | Pass     | 24.14                          |      |       |
|           |                   |              | PI/2 BPSK | 100          | 0             | 36.00076                              | 38.83939                                  | Pass     | 24.15                          |      |       |
|           |                   | HCH          | QPSK      | 100          | 0             | 35.92533                              | 38.81474                                  | Pass     | 24.16                          |      |       |
|           |                   |              | PI/2 BPSK | 100          | 0             | 35.97833                              | 38.87478                                  | Pass     | 24.17                          |      |       |
|           |                   |              |           |              | QPSK          | 100                                   | 0   | 35.93038 | 38.77141                       | Pass | 24.18 |
|           |                   |              |           |              | PI/2 BPSK     | 100                                   | 0   | 35.93038 | 38.77141                       | Pass | 24.18 |
|           | n41               | 20 MHz       | LCH       | PI/2 BPSK    | 50            | 0                                     | 17.82436                                  | 19.1695  | Pass                           | 25.1 |       |
|           |                   |              |           | QPSK         | 50            | 0                                     | 17.84962                                  | 19.15115 | Pass                           | 25.2 |       |
| MCH       |                   |              | PI/2 BPSK | 50           | 0             | 17.83137                              | 19.12605                                  | Pass     | 25.3                           |      |       |
|           |                   |              | QPSK      | 50           | 0             | 17.86804                              | 19.27835                                  | Pass     | 25.4                           |      |       |
| HCH       |                   |              | PI/2 BPSK | 50           | 0             | 17.84521                              | 19.19562                                  | Pass     | 25.5                           |      |       |
|           |                   |              | QPSK      | 50           | 0             | 17.84219                              | 19.28874                                  | Pass     | 25.6                           |      |       |
| 60 MHz    |                   | LCH          | PI/2 BPSK | 162          | 0             | 57.80623                              | 60.77646                                  | Pass     | 25.7                           |      |       |
|           |                   |              | QPSK      | 162          | 0             | 57.7974                               | 60.84514                                  | Pass     | 25.8                           |      |       |
|           |                   | MCH          | PI/2 BPSK | 162          | 0             | 57.88131                              | 60.83397                                  | Pass     | 25.9                           |      |       |
|           |                   |              | QPSK      | 162          | 0             | 57.95756                              | 60.86148                                  | Pass     | 25.10                          |      |       |
|           |                   | HCH          | PI/2 BPSK | 162          | 0             | 57.88025                              | 60.76039                                  | Pass     | 25.11                          |      |       |
|           |                   |              | QPSK      | 162          | 0             | 57.85393                              | 60.84048                                  | Pass     | 25.12                          |      |       |
| 100 MHz   |                   | LCH          | PI/2 BPSK | 270          | 0             | 95.76602                              | 99.57312                                  | Pass     | 25.13                          |      |       |
|           |                   |              | QPSK      | 270          | 0             | 95.79034                              | 99.64252                                  | Pass     | 25.14                          |      |       |
|           |                   | MCH          | PI/2 BPSK | 270          | 0             | 96.10974                              | 99.71334                                  | Pass     | 25.15                          |      |       |
|           |                   |              | QPSK      | 270          | 0             | 96.12201                              | 99.79979                                  | Pass     | 25.16                          |      |       |
|           |                   | HCH          | PI/2 BPSK | 270          | 0             | 95.78542                              | 99.54778                                  | Pass     | 25.17                          |      |       |
|           |                   |              | QPSK      | 270          | 0             | 95.94266                              | 99.69248                                  | Pass     | 25.18                          |      |       |

| 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> |
|---------------|--------------------------|--------------|-----------|--------------|---------------|---------------------------------------|--|---------|--------------------------------|
| DC_5A_n<br>7A | 10MHz(LTE)<br>+5MHz(NR)  | LCH          | PI/2 BPSK | 25           | 0             | 4.483761                              | 4.873431                                 | Pass    | 26.1                           |
|               |                          |              | QPSK      | 25           | 0             | 4.483225                              | 4.954535                                 | Pass    | 26.2                           |
|               |                          | MCH          | PI/2 BPSK | 25           | 0             | 4.484813                              | 4.872319                                 | Pass    | 26.3                           |
|               |                          |              | QPSK      | 25           | 0             | 4.484431                              | 4.967795                                 | Pass    | 26.4                           |
|               |                          | HCH          | PI/2 BPSK | 25           | 0             | 4.487772                              | 4.888001                                 | Pass    | 26.5                           |
|               |                          |              | QPSK      | 25           | 0             | 4.484359                              | 4.954289                                 | Pass    | 26.6                           |
|               | 10MHz(LTE)<br>+15MHz(NR) | LCH          | PI/2 BPSK | 75           | 0             | 13.42334                              | 14.46703                                 | Pass    | 26.7                           |
|               |                          |              | QPSK      | 75           | 0             | 13.41412                              | 14.45144                                 | Pass    | 26.8                           |
|               |                          | MCH          | PI/2 BPSK | 75           | 0             | 13.42271                              | 14.4109                                  | Pass    | 26.9                           |
|               |                          |              | QPSK      | 75           | 0             | 13.409                                | 14.37486                                 | Pass    | 26.10                          |
|               |                          | HCH          | PI/2 BPSK | 75           | 0             | 13.42277                              | 14.45822                                 | Pass    | 26.11                          |
|               |                          |              | QPSK      | 75           | 0             | 13.40857                              | 14.38672                                 | Pass    | 26.12                          |
|               | 10MHz(LTE)<br>+20MHz(NR) | LCH          | PI/2 BPSK | 100          | 0             | 17.8724                               | 19.11096                                 | Pass    | 26.13                          |
|               |                          |              | QPSK      | 100          | 0             | 17.81359                              | 19.08347                                 | Pass    | 26.14                          |
|               |                          | MCH          | PI/2 BPSK | 100          | 0             | 17.87893                              | 19.13009                                 | Pass    | 26.15                          |
|               |                          |              | QPSK      | 100          | 0             | 17.81997                              | 19.15622                                 | Pass    | 26.16                          |
|               |                          | HCH          | PI/2 BPSK | 100          | 0             | 17.90266                              | 19.22827                                 | Pass    | 26.17                          |
|               |                          |              | QPSK      | 100          | 0             | 17.81798                              | 19.15089                                 | Pass    | 26.18                          |
| DC_7A_n<br>5A | 20MHz(LTE)<br>+5MHz(NR)  | LCH          | PI/2 BPSK | 25           | 0             | 4.502191                              | 4.887656                                 | Pass    | 27.1                           |
|               |                          |              | QPSK      | 25           | 0             | 4.474304                              | 4.922149                                 | Pass    | 27.2                           |
|               |                          | MCH          | PI/2 BPSK | 25           | 0             | 4.498053                              | 4.887453                                 | Pass    | 27.3                           |
|               |                          |              | QPSK      | 25           | 0             | 4.503952                              | 4.979796                                 | Pass    | 27.4                           |
|               |                          | HCH          | PI/2 BPSK | 25           | 0             | 4.503927                              | 4.89862                                  | Pass    | 27.5                           |
|               |                          |              | QPSK      | 25           | 0             | 4.486061                              | 4.910609                                 | Pass    | 27.6                           |
|               | 20MHz(LTE)<br>+15MHz(NR) | LCH          | PI/2 BPSK | 75           | 0             | 13.42109                              | 14.3234                                  | Pass    | 27.7                           |
|               |                          |              | QPSK      | 75           | 0             | 13.43755                              | 14.39634                                 | Pass    | 27.8                           |
|               |                          | MCH          | PI/2 BPSK | 75           | 0             | 13.43435                              | 14.39406                                 | Pass    | 27.9                           |
|               |                          |              | QPSK      | 75           | 0             | 13.46508                              | 14.42164                                 | Pass    | 27.10                          |
|               |                          | HCH          | PI/2 BPSK | 75           | 0             | 13.38596                              | 14.36805                                 | Pass    | 27.11                          |
|               |                          |              | QPSK      | 75           | 0             | 13.4212                               | 14.42445                                 | Pass    | 27.12                          |
|               | 20MHz(LTE)<br>+20MHz(NR) | LCH          | PI/2 BPSK | 100          | 0             | 17.91706                              | 19.21803                                 | Pass    | 27.13                          |
|               |                          |              | QPSK      | 100          | 0             | 17.89718                              | 19.29045                                 | Pass    | 27.14                          |
|               |                          | MCH          | PI/2 BPSK | 100          | 0             | 17.90216                              | 19.27124                                 | Pass    | 27.15                          |
|               |                          |              | QPSK      | 100          | 0             | 17.87286                              | 19.2891                                  | Pass    | 27.16                          |
|               |                          | HCH          | PI/2 BPSK | 100          | 0             | 17.86672                              | 19.18686                                 | Pass    | 27.17                          |
|               |                          |              | QPSK      | 100          | 0             | 17.84282                              | 19.21608                                 | Pass    | 27.18                          |
| DC_7A_n<br>7A | 20MHz(LTE)<br>+5MHz(NR)  | LCH          | PI/2 BPSK | 25           | 0             | 4.497936                              | 4.864457                                 | Pass    | 28.1                           |
|               |                          |              | QPSK      | 25           | 0             | 4.507879                              | 4.991187                                 | Pass    | 28.2                           |
|               |                          | MCH          | PI/2 BPSK | 25           | 0             | 4.497832                              | 4.857532                                 | Pass    | 28.3                           |

| 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> |       |
|--------------------------|--------------------------|-------------------------|-----------|--------------|---------------|---------------------------------------|--|----------|--------------------------------|-------|
|                          | 20MHz(LTE)<br>+15MHz(NR) | HCH                     | QPSK      | 25           | 0             | 4.508867                              | 4.989811                                 | Pass     | 28.4                           |       |
|                          |                          |                         | PI/2 BPSK | 25           | 0             | 4.498397                              | 4.882822                                 | Pass     | 28.5                           |       |
|                          |                          | LCH                     | QPSK      | 25           | 0             | 4.506849                              | 4.991836                                 | Pass     | 28.6                           |       |
|                          |                          |                         | PI/2 BPSK | 75           | 0             | 13.4012                               | 14.37137                                 | Pass     | 28.7                           |       |
|                          |                          | MCH                     | QPSK      | 75           | 0             | 13.44771                              | 14.41549                                 | Pass     | 28.8                           |       |
|                          |                          |                         | PI/2 BPSK | 75           | 0             | 13.41188                              | 14.3372                                  | Pass     | 28.9                           |       |
|                          | 20MHz(LTE)<br>+20MHz(NR) | HCH                     | QPSK      | 75           | 0             | 13.43383                              | 14.44055                                 | Pass     | 28.10                          |       |
|                          |                          |                         | PI/2 BPSK | 75           | 0             | 13.40025                              | 14.29918                                 | Pass     | 28.11                          |       |
|                          |                          | LCH                     | QPSK      | 75           | 0             | 13.41614                              | 14.39577                                 | Pass     | 28.12                          |       |
|                          |                          |                         | PI/2 BPSK | 100          | 0             | 17.87048                              | 19.18284                                 | Pass     | 28.13                          |       |
|                          |                          | MCH                     | QPSK      | 100          | 0             | 17.85904                              | 19.18997                                 | Pass     | 28.14                          |       |
|                          |                          |                         | PI/2 BPSK | 100          | 0             | 17.86542                              | 19.24883                                 | Pass     | 28.15                          |       |
|                          | HCH                      | QPSK                    | 100       | 0            | 17.86114      | 19.22209                              | Pass                                     | 28.16    |                                |       |
|                          |                          | PI/2 BPSK               | 100       | 0            | 17.87407      | 19.23176                              | Pass                                     | 28.17    |                                |       |
|                          | DC_7A_n<br>66A           | 20MHz(LTE)<br>+5MHz(NR) | LCH       | QPSK         | 100           | 0                                     | 17.8742                                  | 19.274   | Pass                           | 28.18 |
|                          |                          |                         |           | PI/2 BPSK    | 25            | 0                                     | 4.482532                                 | 4.932052 | Pass                           | 29.1  |
|                          |                          |                         | MCH       | QPSK         | 25            | 0                                     | 4.479414                                 | 4.945147 | Pass                           | 29.2  |
|                          |                          |                         |           | PI/2 BPSK    | 25            | 0                                     | 4.482645                                 | 4.885921 | Pass                           | 29.3  |
| HCH                      |                          |                         | QPSK      | 25           | 0             | 4.480935                              | 4.937449                                 | Pass     | 29.4                           |       |
|                          |                          |                         | PI/2 BPSK | 25           | 0             | 4.483011                              | 4.908985                                 | Pass     | 29.5                           |       |
| 20MHz(LTE)<br>+15MHz(NR) |                          | LCH                     | QPSK      | 25           | 0             | 4.483839                              | 4.953772                                 | Pass     | 29.6                           |       |
|                          |                          |                         | PI/2 BPSK | 75           | 0             | 13.41607                              | 14.41955                                 | Pass     | 29.7                           |       |
|                          |                          | MCH                     | QPSK      | 75           | 0             | 13.40464                              | 14.38062                                 | Pass     | 29.8                           |       |
|                          |                          |                         | PI/2 BPSK | 75           | 0             | 13.41963                              | 14.45298                                 | Pass     | 29.9                           |       |
|                          |                          | HCH                     | QPSK      | 75           | 0             | 13.40952                              | 14.37869                                 | Pass     | 29.10                          |       |
|                          |                          |                         | PI/2 BPSK | 75           | 0             | 13.42182                              | 14.50144                                 | Pass     | 29.11                          |       |
| 20MHz(LTE)<br>+20MHz(NR) |                          | LCH                     | QPSK      | 75           | 0             | 13.42254                              | 14.43209                                 | Pass     | 29.12                          |       |
|                          |                          |                         | PI/2 BPSK | 100          | 0             | 17.83733                              | 19.14678                                 | Pass     | 29.13                          |       |
|                          |                          | MCH                     | QPSK      | 100          | 0             | 17.79542                              | 19.10493                                 | Pass     | 29.14                          |       |
|                          |                          |                         | PI/2 BPSK | 100          | 0             | 17.8682                               | 19.11127                                 | Pass     | 29.15                          |       |
|                          |                          | HCH                     | QPSK      | 100          | 0             | 17.81667                              | 19.16455                                 | Pass     | 29.16                          |       |
|                          |                          |                         | PI/2 BPSK | 100          | 0             | 17.9282                               | 19.17069                                 | Pass     | 29.17                          |       |
| DC_66A_<br>n7A           | 20MHz(LTE)<br>+5MHz(NR)  | LCH                     | QPSK      | 100          | 0             | 17.8784                               | 19.17239                                 | Pass     | 29.18                          |       |
|                          |                          |                         | PI/2 BPSK | 25           | 0             | 4.484609                              | 4.897666                                 | Pass     | 30.1                           |       |
|                          |                          | MCH                     | QPSK      | 25           | 0             | 4.515681                              | 4.95438                                  | Pass     | 30.2                           |       |
|                          |                          |                         | PI/2 BPSK | 25           | 0             | 4.484152                              | 4.895403                                 | Pass     | 30.3                           |       |
|                          |                          | HCH                     | QPSK      | 25           | 0             | 4.517153                              | 4.941071                                 | Pass     | 30.4                           |       |
|                          |                          |                         | PI/2 BPSK | 25           | 0             | 4.48635                               | 4.879569                                 | Pass     | 30.5                           |       |
|                          | 20MHz(LTE)               | LCH                     | QPSK      | 25           | 0             | 4.511319                              | 4.939501                                 | Pass     | 30.6                           |       |
|                          |                          |                         | PI/2 BPSK | 75           | 0             | 13.40208                              | 14.42711                                 | Pass     | 30.7                           |       |

| 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> |       |
|--------------------------|--------------------------|-------------------------|-----------|--------------|---------------|---------------------------------------|--|----------|--------------------------------|-------|
|                          | +15MHz(NR)               | MCH                     | QPSK      | 75           | 0             | 13.41585                              | 14.44635                                 | Pass     | 30.8                           |       |
|                          |                          |                         | PI/2 BPSK | 75           | 0             | 13.40445                              | 14.42828                                 | Pass     | 30.9                           |       |
|                          |                          | HCH                     | QPSK      | 75           | 0             | 13.41268                              | 14.3703                                  | Pass     | 30.10                          |       |
|                          |                          |                         | PI/2 BPSK | 75           | 0             | 13.40567                              | 14.42859                                 | Pass     | 30.11                          |       |
|                          | 20MHz(LTE)<br>+20MHz(NR) | LCH                     | QPSK      | 75           | 0             | 13.40403                              | 14.38805                                 | Pass     | 30.12                          |       |
|                          |                          |                         | PI/2 BPSK | 100          | 0             | 17.88076                              | 19.10802                                 | Pass     | 30.13                          |       |
|                          |                          | MCH                     | QPSK      | 100          | 0             | 17.80974                              | 19.11382                                 | Pass     | 30.14                          |       |
|                          |                          |                         | PI/2 BPSK | 100          | 0             | 17.87105                              | 19.15077                                 | Pass     | 30.15                          |       |
|                          |                          | HCH                     | QPSK      | 100          | 0             | 17.81939                              | 19.13583                                 | Pass     | 30.16                          |       |
|                          |                          |                         | PI/2 BPSK | 100          | 0             | 17.88172                              | 19.23149                                 | Pass     | 30.17                          |       |
|                          |                          |                         |           | QPSK         | 100           | 0                                     | 17.81022                                 | 19.1471  | Pass                           | 30.18 |
|                          |                          |                         |           | PI/2 BPSK    | 25            | 0                                     | 4.494511                                 | 4.94729  | Pass                           | 31.1  |
|                          | DC_66A_<br>n66A          | 20MHz(LTE)<br>+5MHz(NR) | LCH       | QPSK         | 25            | 0                                     | 4.485069                                 | 4.979394 | Pass                           | 31.2  |
|                          |                          |                         |           | PI/2 BPSK    | 25            | 0                                     | 4.491261                                 | 4.958849 | Pass                           | 31.3  |
|                          |                          |                         | MCH       | QPSK         | 25            | 0                                     | 4.494509                                 | 4.992144 | Pass                           | 31.4  |
|                          |                          |                         |           | PI/2 BPSK    | 25            | 0                                     | 4.493278                                 | 4.946962 | Pass                           | 31.5  |
| HCH                      |                          |                         | QPSK      | 25           | 0             | 4.484925                              | 4.991478                                 | Pass     | 31.6                           |       |
|                          |                          |                         | PI/2 BPSK | 25           | 0             | 4.493278                              | 4.946962                                 | Pass     | 31.5                           |       |
| 20MHz(LTE)<br>+15MHz(NR) |                          | LCH                     | QPSK      | 75           | 0             | 13.40552                              | 14.30968                                 | Pass     | 31.7                           |       |
|                          |                          |                         | PI/2 BPSK | 75           | 0             | 13.46248                              | 14.43162                                 | Pass     | 31.8                           |       |
|                          |                          | MCH                     | QPSK      | 75           | 0             | 13.41196                              | 14.34668                                 | Pass     | 31.9                           |       |
|                          |                          |                         | PI/2 BPSK | 75           | 0             | 13.46546                              | 14.44587                                 | Pass     | 31.10                          |       |
|                          |                          | HCH                     | QPSK      | 75           | 0             | 13.41145                              | 14.31001                                 | Pass     | 31.11                          |       |
|                          |                          |                         | PI/2 BPSK | 75           | 0             | 13.4862                               | 14.45456                                 | Pass     | 31.12                          |       |
| 20MHz(LTE)<br>+20MHz(NR) |                          | LCH                     | QPSK      | 100          | 0             | 17.87501                              | 19.1436                                  | Pass     | 31.13                          |       |
|                          |                          |                         | PI/2 BPSK | 100          | 0             | 17.82106                              | 19.06823                                 | Pass     | 31.14                          |       |
|                          |                          | MCH                     | QPSK      | 100          | 0             | 17.88652                              | 19.22412                                 | Pass     | 31.15                          |       |
|                          |                          |                         | PI/2 BPSK | 100          | 0             | 17.85084                              | 19.10316                                 | Pass     | 31.16                          |       |
|                          | HCH                      | QPSK                    | 100       | 0            | 17.94086      | 19.26552                              | Pass                                     | 31.17    |                                |       |
|                          |                          | PI/2 BPSK               | 100       | 0            | 17.90767      | 19.10655                              | Pass                                     | 31.18    |                                |       |

## 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) |         |
| 7.74            | -30              | -6.55               | ±2060.5     | -6.97            | ±2091.5     | -5.88            | ±2122       | Pass    |
|                 | -20              | 6.52                |             | -5.26            |             | -4.33            |             |         |
|                 | -10              | -7.88               |             | -7.39            |             | -9.98            |             |         |
|                 | 0                | -4.81               |             | -5.75            |             | -6.01            |             |         |
|                 | +10              | -7.88               |             | -9.01            |             | -7.94            |             |         |
|                 | +20              | -7.55               |             | 6.91             |             | -6.97            |             |         |
|                 | +25              | -4.91               |             | -7.33            |             | -9.62            |             |         |
|                 | +30              | -8.2                |             | -3.97            |             | -8.14            |             |         |
|                 | +40              | -4.52               |             | -4.94            |             | -8.07            |             |         |
|                 | +50              | -9.56               |             | 7.36             |             | -6.97            |             |         |
| 8.9             | +25              | -3.39               | -5.88       | -6.42            |             |                  |             |         |
| 6.8             | +25              | -6.84               | -9.14       | -4.84            |             |                  |             |         |

## 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) |         |
| 7.74            | -30              | -17.92              | ±4625.5     | -14.69          | ±4700.0     | -15.34            | ±4774.5     | Pass    |
|                 | -20              | -18.27              |             | -10.04          |             | -18.47            |             |         |
|                 | -10              | -20.82              |             | -14.4           |             | -8.1              |             |         |
|                 | 0                | -9.01               |             | -8.75           |             | -11.49            |             |         |
|                 | +10              | -17.66              |             | -17.37          |             | -11.95            |             |         |
|                 | +20              | -9.98               |             | -10.07          |             | -12.2             |             |         |
|                 | +25              | -14.3               |             | -16.34          |             | -10.49            |             |         |
|                 | +30              | -18.73              |             | -10.91          |             | -11.85            |             |         |
|                 | +40              | -10.91              |             | -11.95          |             | -11.85            |             |         |
|                 | +50              | -13.69              |             | -12.82          |             | -13.5             |             |         |
| 8.9             | +25              | -14.85              | -14.69      | -7.07           |             |                   |             |         |
| 6.8             | +25              | -12.56              | -8.85       | -7.94           |             |                   |             |         |

## EDGE 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) |         |
| 7.74            | -30              | -8.17               | ±2060.5     | -5.91            | ±2091.5     | -5.39            | ±2122       | Pass    |
|                 | -20              | -6.17               |             | -4.68            |             | -8.39            |             |         |
|                 | -10              | -6.46               |             | -5.68            |             | -2.71            |             |         |
|                 | 0                | -5.52               |             | -6.04            |             | -4.81            |             |         |
|                 | +10              | -7.36               |             | -7.1             |             | -7.78            |             |         |
|                 | +20              | -6.26               |             | -5.62            |             | -6.81            |             |         |
|                 | +25              | -11.49              |             | -7.81            |             | -7.2             |             |         |
|                 | +30              | -6.75               |             | -8.46            |             | -6.72            |             |         |
|                 | +40              | -9.94               |             | -4.29            |             | -4.49            |             |         |
|                 | +50              | -5.33               |             | -5.88            |             | -9.52            |             |         |
| 8.9             | +25              | -9.43               | -4.71       | -13.11           |             |                  |             |         |
| 6.8             | +25              | -7.39               | -10.59      | -7.07            |             |                  |             |         |

## EDGE 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) |         |
| 7.74            | -30              | -13.14              | ±4625.5     | -10.14          | ±4700.0     | -14.53            | ±4774.5     | Pass    |
|                 | -20              | -13.5               |             | -13.24          |             | -13.33            |             |         |
|                 | -10              | -9.75               |             | -9.56           |             | -19.82            |             |         |
|                 | 0                | -16.53              |             | -13.24          |             | -11.27            |             |         |
|                 | +10              | -12.27              |             | -12.3           |             | -14.59            |             |         |
|                 | +20              | -12.85              |             | -11.72          |             | -12.82            |             |         |
|                 | +25              | -13.56              |             | -9.62           |             | -14.56            |             |         |
|                 | +30              | -12.62              |             | -13.46          |             | -12.59            |             |         |
|                 | +40              | -14.5               |             | -9.94           |             | -11.78            |             |         |
|                 | +50              | -13.95              |             | -11.04          |             | -11.91            |             |         |
| 8.9             | +25              | -13.82              | -11.78      | -13.24          |             |                   |             |         |
| 6.8             | +25              | -12.27              | -7.88       | -14.72          |             |                   |             |         |

## 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) |         |
| 7.74            | -30              | 2.6                 | ±4631       | 1.43            | ±4700       | 0.57              | ±4769       | Pass    |
|                 | -20              | 2.3                 |             | 0.99            |             | 1.33              |             |         |
|                 | -10              | 6.86                |             | 0.2             |             | -0.64             |             |         |
|                 | 0                | 5.44                |             | 0               |             | -2.04             |             |         |
|                 | +10              | 3                   |             | -0.05           |             | -0.04             |             |         |
|                 | +20              | 4.76                |             | 0.6             |             | -0.51             |             |         |
|                 | +25              | 0.69                |             | -0.34           |             | -0.82             |             |         |
|                 | +30              | 2.5                 |             | 1.69            |             | -0.62             |             |         |
|                 | +40              | 3                   |             | -0.42           |             | 0.21              |             |         |
|                 | +50              | 6.38                |             | -0.74           |             | 1.13              |             |         |
| 8.9             | +25              | 5.99                | -0.5        | -0.04           |             |                   |             |         |
| 6.8             | +25              | 0.7                 | -0.92       | 0.82            |             |                   |             |         |

## 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) |         |
| 7.74            | -30              | 2.72                | ±4281       | -1.75             | ±4331       | -5.82             | ±4381.5     | Pass    |
|                 | -20              | 4.61                |             | -2.23             |             | -4.13             |             |         |
|                 | -10              | 3.86                |             | -2.68             |             | -5.09             |             |         |
|                 | 0                | 5.03                |             | -1.01             |             | -4.96             |             |         |
|                 | +10              | 5.04                |             | -3.2              |             | -5.24             |             |         |
|                 | +20              | 1.92                |             | -3.43             |             | -6.09             |             |         |
|                 | +25              | 4.12                |             | -1.29             |             | -6.17             |             |         |
|                 | +30              | 4.91                |             | -2.6              |             | -4.41             |             |         |
|                 | +40              | 4.25                |             | -2.46             |             | -4.79             |             |         |
|                 | +50              | 2.98                |             | -2.93             |             | -6.69             |             |         |
| 8.9             | +25              | 4.13                | -4.59       | -6.02             |             |                   |             |         |
| 6.8             | +25              | 1.09                | -3.65       | -5.2              |             |                   |             |         |

## 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) |         |
| 7.74            | -30              | 0.59                | ±2066       | 1.29             | ±2091       | -0.71            | ±2116.5     | Pass    |
|                 | -20              | -0.34               |             | 0.45             |             | -1.34            |             |         |
|                 | -10              | -0.92               |             | -0.24            |             | -0.26            |             |         |
|                 | 0                | -0.26               |             | 0.14             |             | -0.07            |             |         |
|                 | +10              | -1.09               |             | 1.34             |             | -2.03            |             |         |
|                 | +20              | -0.81               |             | 1.63             |             | -0.4             |             |         |
|                 | +25              | -1.01               |             | 0.62             |             | -0.99            |             |         |
|                 | +30              | 0.97                |             | -0.69            |             | -0.79            |             |         |
|                 | +40              | -1.26               |             | 0.69             |             | -0.2             |             |         |
|                 | +50              | -1.94               |             | 0.62             |             | 0.16             |             |         |
| 8.9             | +25              | -0.35               |             | 0.41             |             | -1.55            |             |         |
| 6.8             | +25              | -1.67               |             | 0.51             |             | -0.75            |             |         |



## LTE Band 2 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1880 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 7.18                | ±4700       | Pass    |
|                 | -20              | 9.01                |             |         |
|                 | -10              | 7.02                |             |         |
|                 | 0                | 8.57                |             |         |
|                 | +10              | 4.85                |             |         |
|                 | +20              | 6.45                |             |         |
|                 | +25              | 8.01                |             |         |
|                 | +30              | 5.59                |             |         |
|                 | +40              | 9.66                |             |         |
|                 | +50              | 10.8                |             |         |
| 8.9             | +25              | 5.95                |             |         |
| 6.8             | +25              | 5.32                |             |         |

## LTE Band 2 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1880 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 8.77                | ±4700       | Pass    |
|                 | -20              | 9.34                |             |         |
|                 | -10              | 3.6                 |             |         |
|                 | 0                | 5.04                |             |         |
|                 | +10              | 6.39                |             |         |
|                 | +20              | 6.39                |             |         |
|                 | +25              | 5.59                |             |         |
|                 | +30              | 9.76                |             |         |
|                 | +40              | 10.07               |             |         |
|                 | +50              | 12.1                |             |         |
| 8.9             | +25              | 6.21                |             |         |
| 6.8             | +25              | 3.75                |             |         |

## LTE Band 4 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1732.5 MHz   |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 4.89                | ±4331.25    | Pass    |
|                 | -20              | 8.75                |             |         |
|                 | -10              | 8.84                |             |         |
|                 | 0                | 7.8                 |             |         |
|                 | +10              | 6.51                |             |         |
|                 | +20              | 3                   |             |         |
|                 | +25              | 4.71                |             |         |
|                 | +30              | 5.76                |             |         |
|                 | +40              | 5.82                |             |         |
| 8.9             | +25              | 2.43                |             |         |
| 6.8             | +25              | 5.68                |             |         |

## LTE Band 4 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1732.5 MHz   |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 4.46                | ±4331.25    | Pass    |
|                 | -20              | 9.78                |             |         |
|                 | -10              | 7.48                |             |         |
|                 | 0                | 7.21                |             |         |
|                 | +10              | 4.48                |             |         |
|                 | +20              | 3.76                |             |         |
|                 | +25              | 5.69                |             |         |
|                 | +30              | 6.19                |             |         |
|                 | +40              | 3.78                |             |         |
| 8.9             | +25              | 2.32                |             |         |
| 6.8             | +25              | 5.34                |             |         |

## LTE Band 5 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>836.5 MHz    |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | -1.2                | ±2091.25    | Pass    |
|                 | -20              | -3.59               |             |         |
|                 | -10              | -1.07               |             |         |
|                 | 0                | 0.54                |             |         |
|                 | +10              | -2.85               |             |         |
|                 | +20              | -1.36               |             |         |
|                 | +25              | -0.27               |             |         |
|                 | +30              | -1.76               |             |         |
|                 | +40              | -3.79               |             |         |
|                 | +50              | -0.46               |             |         |
| 8.9             | +25              | -3.39               |             |         |
| 6.8             | +25              | -1.37               |             |         |

## LTE Band 5 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>836.5 MHz    |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 0.17                | ±2091.25    | Pass    |
|                 | -20              | -0.57               |             |         |
|                 | -10              | -0.03               |             |         |
|                 | 0                | 0.74                |             |         |
|                 | +10              | -1.23               |             |         |
|                 | +20              | -0.53               |             |         |
|                 | +25              | -0.77               |             |         |
|                 | +30              | -1.85               |             |         |
|                 | +40              | -0.77               |             |         |
|                 | +50              | -2.13               |             |         |
| 8.9             | +25              | -1.63               |             |         |
| 6.8             | +25              | 0.13                |             |         |

## LTE Band 7 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2535 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 4.09                | ±6337.5     | Pass    |
|                 | -20              | 3.56                |             |         |
|                 | -10              | 5.59                |             |         |
|                 | 0                | 4.48                |             |         |
|                 | +10              | 4.92                |             |         |
|                 | +20              | 4.89                |             |         |
|                 | +25              | 0.82                |             |         |
|                 | +30              | 7.4                 |             |         |
|                 | +40              | 1.43                |             |         |
|                 | +50              | 3.65                |             |         |
| 8.9             | +25              | 3.76                |             |         |
| 6.8             | +25              | 4.98                |             |         |

## LTE Band 7 16-QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2535 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 2.92                | ±6337.5     | Pass    |
|                 | -20              | 2.09                |             |         |
|                 | -10              | 8.48                |             |         |
|                 | 0                | 8.64                |             |         |
|                 | +10              | 7.34                |             |         |
|                 | +20              | 6.54                |             |         |
|                 | +25              | 0.79                |             |         |
|                 | +30              | 1.26                |             |         |
|                 | +40              | 4.39                |             |         |
|                 | +50              | 0.33                |             |         |
| 8.9             | +25              | 3.72                |             |         |
| 6.8             | +25              | 6.49                |             |         |

## LTE Band 12 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>707.5 MHz    |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | -0.04               | ±1768.75    | Pass    |
|                 | -20              | -0.59               |             |         |
|                 | -10              | 2.59                |             |         |
|                 | 0                | 0.21                |             |         |
|                 | +10              | 2.56                |             |         |
|                 | +20              | -1.5                |             |         |
|                 | +25              | 1.44                |             |         |
|                 | +30              | -0.07               |             |         |
|                 | +40              | -0.31               |             |         |
|                 | +50              | 0.83                |             |         |
| 8.9             | +25              | 0.89                |             |         |
| 6.8             | +25              | 0.26                |             |         |

## LTE Band 12 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>707.5 MHz    |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 0.21                | ±1768.75    | Pass    |
|                 | -20              | 0.5                 |             |         |
|                 | -10              | 0.5                 |             |         |
|                 | 0                | 3.08                |             |         |
|                 | +10              | 1.52                |             |         |
|                 | +20              | 2.19                |             |         |
|                 | +25              | 2.09                |             |         |
|                 | +30              | -1.32               |             |         |
|                 | +40              | -0.26               |             |         |
|                 | +50              | 0.7                 |             |         |
| 8.9             | +25              | 0.24                |             |         |
| 6.8             | +25              | 1.22                |             |         |

## LTE Band 17 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>710 MHz      |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 2.15                | ±1775       | Pass    |
|                 | -20              | 1.8                 |             |         |
|                 | -10              | -0.67               |             |         |
|                 | 0                | -0.59               |             |         |
|                 | +10              | -0.54               |             |         |
|                 | +20              | 1.19                |             |         |
|                 | +25              | 2.17                |             |         |
|                 | +30              | 1.99                |             |         |
|                 | +40              | 3.93                |             |         |
|                 | +50              | -1.56               |             |         |
| 8.9             | +25              | 0.23                |             |         |
| 6.8             | +25              | -0.23               |             |         |

## LTE Band 17 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>710 MHz      |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 0.27                | ±1775       | Pass    |
|                 | -20              | 1.5                 |             |         |
|                 | -10              | 2.57                |             |         |
|                 | 0                | 2.09                |             |         |
|                 | +10              | -0.44               |             |         |
|                 | +20              | 0.41                |             |         |
|                 | +25              | 2.99                |             |         |
|                 | +30              | -0.14               |             |         |
|                 | +40              | 1.97                |             |         |
|                 | +50              | -0.07               |             |         |
| 8.9             | +25              | 0.21                |             |         |
| 6.8             | +25              | 0.66                |             |         |

## 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) |         |
| 7.74            | -30              | -1.47               | ±2091.25    | Pass    |
|                 | -20              | -0.29               |             |         |
|                 | -10              | -1.67               |             |         |
|                 | 0                | -1.92               |             |         |
|                 | +10              | 0.31                |             |         |
|                 | +20              | -0.4                |             |         |
|                 | +25              | -1.87               |             |         |
|                 | +30              | -1.33               |             |         |
|                 | +40              | -2.22               |             |         |
|                 | +50              | -1                  |             |         |
| 8.9             | +25              | -0.82               |             |         |
| 6.8             | +25              | 0.46                |             |         |

## 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) |         |
| 7.74            | -30              | -1.22               | ±2091.25    | Pass    |
|                 | -20              | -0.64               |             |         |
|                 | -10              | 1.66                |             |         |
|                 | 0                | -1.23               |             |         |
|                 | +10              | 2.42                |             |         |
|                 | +20              | -0.73               |             |         |
|                 | +25              | 1.52                |             |         |
|                 | +30              | -0.39               |             |         |
|                 | +40              | 1.44                |             |         |
|                 | +50              | 0.8                 |             |         |
| 8.9             | +25              | -1.63               |             |         |
| 6.8             | +25              | 0.53                |             |         |

## LTE Band 26 (Part90) QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>819 MHz      |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 0.8                 | ±2047.5     | Pass    |
|                 | -20              | 2.09                |             |         |
|                 | -10              | 2.52                |             |         |
|                 | 0                | 0.74                |             |         |
|                 | +10              | 1.14                |             |         |
|                 | +20              | 2.83                |             |         |
|                 | +25              | 3.79                |             |         |
|                 | +30              | 1.5                 |             |         |
|                 | +40              | 3.86                |             |         |
|                 | +50              | -0.27               |             |         |
| 8.9             | +25              | 2.55                |             |         |
| 6.8             | +25              | -0.01               |             |         |

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

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>819 MHz      |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 0.99                | ±2047.5     | Pass    |
|                 | -20              | 0.82                |             |         |
|                 | -10              | 1.87                |             |         |
|                 | 0                | 3.49                |             |         |
|                 | +10              | 2.07                |             |         |
|                 | +20              | 3.95                |             |         |
|                 | +25              | 2.35                |             |         |
|                 | +30              | 0.5                 |             |         |
|                 | +40              | 1.06                |             |         |
|                 | +50              | 0.03                |             |         |
| 8.9             | +25              | 3                   |             |         |
| 6.8             | +25              | 2.13                |             |         |



## LTE Band 38 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2595 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 4.05                | ±6487.5     | Pass    |
|                 | -20              | 13.16               |             |         |
|                 | -10              | 4.29                |             |         |
|                 | 0                | 4.43                |             |         |
|                 | +10              | 2.56                |             |         |
|                 | +20              | 9.33                |             |         |
|                 | +25              | 10.51               |             |         |
|                 | +30              | 5.92                |             |         |
|                 | +40              | 3.55                |             |         |
|                 | +50              | 3.02                |             |         |
| 8.9             | +25              | 3.16                |             |         |
| 6.8             | +25              | -0.46               |             |         |

## LTE Band 38 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2595 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 2.57                | ±6487.5     | Pass    |
|                 | -20              | 7.52                |             |         |
|                 | -10              | 7.48                |             |         |
|                 | 0                | 4.28                |             |         |
|                 | +10              | 6.61                |             |         |
|                 | +20              | 2.45                |             |         |
|                 | +25              | 3.88                |             |         |
|                 | +30              | 1.7                 |             |         |
|                 | +40              | 5.42                |             |         |
|                 | +50              | 6.02                |             |         |
| 8.9             | +25              | 4.12                |             |         |
| 6.8             | +25              | 1                   |             |         |

## LTE Band 41 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2593 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 0.37                | ±6482.5     | Pass    |
|                 | -20              | 3.05                |             |         |
|                 | -10              | 6.35                |             |         |
|                 | 0                | 5.48                |             |         |
|                 | +10              | 3.26                |             |         |
|                 | +20              | 5.62                |             |         |
|                 | +25              | 4.85                |             |         |
|                 | +30              | 2.12                |             |         |
|                 | +40              | 7.61                |             |         |
|                 | +50              | 4.49                |             |         |
| 8.9             | +25              | 3.52                |             |         |
| 6.8             | +25              | 2.66                |             |         |

## LTE Band 41 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2593 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 7                   | ±6482.5     | Pass    |
|                 | -20              | 5.39                |             |         |
|                 | -10              | 5.52                |             |         |
|                 | 0                | 4.25                |             |         |
|                 | +10              | 3.13                |             |         |
|                 | +20              | 9.07                |             |         |
|                 | +25              | 5.42                |             |         |
|                 | +30              | 3.48                |             |         |
|                 | +40              | 0.96                |             |         |
|                 | +50              | 4.46                |             |         |
| 8.9             | +25              | 4.86                |             |         |
| 6.8             | +25              | 6.27                |             |         |

## LTE Band 66 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1745 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 8.28                | ±4362.5     | Pass    |
|                 | -20              | 6.72                |             |         |
|                 | -10              | 7.04                |             |         |
|                 | 0                | 6.29                |             |         |
|                 | +10              | 8.27                |             |         |
|                 | +20              | 4.89                |             |         |
|                 | +25              | 4.85                |             |         |
|                 | +30              | 4.81                |             |         |
|                 | +40              | 6.15                |             |         |
|                 | +50              | 5.35                |             |         |
| 8.9             | +25              | 7.08                |             |         |
| 6.8             | +25              | 10.37               |             |         |

## LTE Band 66 16QAM10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1745 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 8.07                | ±4362.5     | Pass    |
|                 | -20              | 8.27                |             |         |
|                 | -10              | 5.95                |             |         |
|                 | 0                | 5.88                |             |         |
|                 | +10              | 6.24                |             |         |
|                 | +20              | 4.96                |             |         |
|                 | +25              | 8.77                |             |         |
|                 | +30              | 3.76                |             |         |
|                 | +40              | 5.31                |             |         |
|                 | +50              | 5.24                |             |         |
| 8.9             | +25              | 4.46                |             |         |
| 6.8             | +25              | 9.4                 |             |         |

## CA\_7C QPSK 20MHz+10MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2534.8 MHz   |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 3.63                | ±6337       | Pass    |
|                 | -20              | 3.18                |             |         |
|                 | -10              | 6.34                |             |         |
|                 | 0                | 8.51                |             |         |
|                 | +10              | 2.17                |             |         |
|                 | +20              | 3.46                |             |         |
|                 | +25              | 3.18                |             |         |
|                 | +30              | 5.85                |             |         |
|                 | +40              | 4.82                |             |         |
|                 | +50              | 5.82                |             |         |
| 8.9             | +25              | 5.04                |             |         |
| 6.8             | +25              | 7                   |             |         |

## CA\_7C 16QAM 20MHz+10MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2534.8 MHz   |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 3.46                | ±6337       | Pass    |
|                 | -20              | 1.16                |             |         |
|                 | -10              | 2.53                |             |         |
|                 | 0                | 3.32                |             |         |
|                 | +10              | 2.1                 |             |         |
|                 | +20              | 2.2                 |             |         |
|                 | +25              | 0.46                |             |         |
|                 | +30              | 0.44                |             |         |
|                 | +40              | -0.8                |             |         |
|                 | +50              | -0.43               |             |         |
| 8.9             | +25              | -0.36               |             |         |
| 6.8             | +25              | 1.56                |             |         |

## CA\_7C QPSK 20MHz+20MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2535 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 4.38                | ±6337.5     | Pass    |
|                 | -20              | 0.43                |             |         |
|                 | -10              | 1.63                |             |         |
|                 | 0                | 1.83                |             |         |
|                 | +10              | 4.13                |             |         |
|                 | +20              | 5.69                |             |         |
|                 | +25              | 6.77                |             |         |
|                 | +30              | 6.68                |             |         |
|                 | +40              | 7.11                |             |         |
|                 | +50              | 5.42                |             |         |
| 8.9             | +25              | 6.77                |             |         |
| 6.8             | +25              | 6.29                |             |         |

## CA\_7C 16QAM 20MHz+20MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2535 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 7.44                | ±6337.5     | Pass    |
|                 | -20              | 4.82                |             |         |
|                 | -10              | 6.54                |             |         |
|                 | 0                | 5.76                |             |         |
|                 | +10              | 2.8                 |             |         |
|                 | +20              | 5.01                |             |         |
|                 | +25              | 4.72                |             |         |
|                 | +30              | 1.44                |             |         |
|                 | +40              | 2.55                |             |         |
|                 | +50              | 2.88                |             |         |
| 8.9             | +25              | 1.79                |             |         |
| 6.8             | +25              | 1.63                |             |         |

## CA\_38C QPSK 15MHz+15MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2595 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 2.67                | ±6487.5     | Pass    |
|                 | -20              | 2.06                |             |         |
|                 | -10              | 1.43                |             |         |
|                 | 0                | 0.36                |             |         |
|                 | +10              | 1.82                |             |         |
|                 | +20              | 4.59                |             |         |
|                 | +25              | 1.82                |             |         |
|                 | +30              | 3.25                |             |         |
|                 | +40              | 2.49                |             |         |
|                 | +50              | 1.4                 |             |         |
| 8.9             | +25              | 1.14                |             |         |
| 6.8             | +25              | 0.14                |             |         |

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

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2595 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 0.82                | ±6487.5     | Pass    |
|                 | -20              | 3.72                |             |         |
|                 | -10              | 1.13                |             |         |
|                 | 0                | 1.02                |             |         |
|                 | +10              | 0.09                |             |         |
|                 | +20              | 0.5                 |             |         |
|                 | +25              | 2.5                 |             |         |
|                 | +30              | 1.92                |             |         |
|                 | +40              | 1.75                |             |         |
|                 | +50              | -0.59               |             |         |
| 8.9             | +25              | 3.08                |             |         |
| 6.8             | +25              | 2.95                |             |         |

## CA\_38C QPSK 20MHz+20MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2595 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 1.09                | ±6487.5     | Pass    |
|                 | -20              | 1.96                |             |         |
|                 | -10              | 1.02                |             |         |
|                 | 0                | 4.95                |             |         |
|                 | +10              | 4.58                |             |         |
|                 | +20              | 1.76                |             |         |
|                 | +25              | 1.17                |             |         |
|                 | +30              | -0.11               |             |         |
|                 | +40              | 0.63                |             |         |
|                 | +50              | 3.46                |             |         |
| 8.9             | +25              | 1.13                |             |         |
| 6.8             | +25              | 1.83                |             |         |

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

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2595 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 2.17                | ±6487.5     | Pass    |
|                 | -20              | 1.72                |             |         |
|                 | -10              | 4.16                |             |         |
|                 | 0                | 2.07                |             |         |
|                 | +10              | 6.87                |             |         |
|                 | +20              | 6.65                |             |         |
|                 | +25              | 2.85                |             |         |
|                 | +30              | 5.44                |             |         |
|                 | +40              | 6.79                |             |         |
|                 | +50              | 0.03                |             |         |
| 8.9             | +25              | 3.95                |             |         |
| 6.8             | +25              | 2.69                |             |         |

## CA\_41C QPSK 20MHz+5MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2592.6 MHz   |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 2.54                | ±6481.5     | Pass    |
|                 | -20              | -0.21               |             |         |
|                 | -10              | 1.9                 |             |         |
|                 | 0                | -0.37               |             |         |
|                 | +10              | 0.03                |             |         |
|                 | +20              | 0.31                |             |         |
|                 | +25              | 0.39                |             |         |
|                 | +30              | 0.37                |             |         |
|                 | +40              | -0.56               |             |         |
|                 | +50              | 1.59                |             |         |
| 8.9             | +25              | 1.43                |             |         |
| 6.8             | +25              | 1.33                |             |         |

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

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2592.6 MHz   |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 5.09                | ±6481.5     | Pass    |
|                 | -20              | 5.18                |             |         |
|                 | -10              | 4.66                |             |         |
|                 | 0                | 5.61                |             |         |
|                 | +10              | 4.58                |             |         |
|                 | +20              | 6.21                |             |         |
|                 | +25              | 5.75                |             |         |
|                 | +30              | 5.19                |             |         |
|                 | +40              | 5.04                |             |         |
|                 | +50              | 6.12                |             |         |
| 8.9             | +25              | 4.49                |             |         |
| 6.8             | +25              | 3.71                |             |         |



## CA\_41C QPSK 20MHz+20MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2593 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 0.39                | ±6482.5     | Pass    |
|                 | -20              | 1.39                |             |         |
|                 | -10              | -0.19               |             |         |
|                 | 0                | 1.87                |             |         |
|                 | +10              | 2.1                 |             |         |
|                 | +20              | -0.37               |             |         |
|                 | +25              | 4.62                |             |         |
|                 | +30              | 0.86                |             |         |
|                 | +40              | 3.53                |             |         |
|                 | +50              | 2.55                |             |         |
| 8.9             | +25              | 0.24                |             |         |
| 6.8             | +25              | 1.85                |             |         |

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

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2593 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | 1.9                 | ±6482.5     | Pass    |
|                 | -20              | 0.54                |             |         |
|                 | -10              | 0.29                |             |         |
|                 | 0                | 2.05                |             |         |
|                 | +10              | 1.69                |             |         |
|                 | +20              | 2.79                |             |         |
|                 | +25              | 2.56                |             |         |
|                 | +30              | 4.25                |             |         |
|                 | +40              | 0.96                |             |         |
|                 | +50              | 3.39                |             |         |
| 8.9             | +25              | -0.09               |             |         |
| 6.8             | +25              | 0.64                |             |         |

## NR Band n5 PI/2 BPSK 20 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>836.5 MHz    |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | -6.5                | ±2091.25    | Pass    |
|                 | -20              | -7.9                |             |         |
|                 | -10              | -6.1                |             |         |
|                 | 0                | -5.5                |             |         |
|                 | +10              | -7.4                |             |         |
|                 | +20              | -7                  |             |         |
|                 | +25              | -5.6                |             |         |
|                 | +30              | -5.4                |             |         |
|                 | +40              | -8.3                |             |         |
|                 | +50              | -8.5                |             |         |
| 6.8             | +25              | -5.5                |             |         |
| 8.9             | +25              | -6.8                |             |         |

## NR Band n5 QPSK 20 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>836.5 MHz    |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | -8.2                | ±2091.25    | Pass    |
|                 | -20              | -8.8                |             |         |
|                 | -10              | -7.3                |             |         |
|                 | 0                | -6.5                |             |         |
|                 | +10              | -5.9                |             |         |
|                 | +20              | -9.3                |             |         |
|                 | +25              | -7.9                |             |         |
|                 | +30              | -7.7                |             |         |
|                 | +40              | -9.8                |             |         |
|                 | +50              | -7                  |             |         |
| 6.8             | +25              | -5.9                |             |         |
| 8.9             | +25              | -6.1                |             |         |

## NR Band n7 PI/2 BPSK 20 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2535 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | -8                  | ±6337.5     | Pass    |
|                 | -20              | -7.8                |             |         |
|                 | -10              | -4.8                |             |         |
|                 | 0                | -2.3                |             |         |
|                 | +10              | -3.5                |             |         |
|                 | +20              | -1.2                |             |         |
|                 | +25              | -6.6                |             |         |
|                 | +30              | -8.1                |             |         |
|                 | +40              | -11.3               |             |         |
|                 | +50              | -7.5                |             |         |
| 6.8             | +25              | -7.3                |             |         |
| 8.9             | +25              | -8.2                |             |         |

## NR Band n7 QPSK 20 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2535 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | -6.3                | ±6337.5     | Pass    |
|                 | -20              | -6.4                |             |         |
|                 | -10              | -1.6                |             |         |
|                 | 0                | -5.4                |             |         |
|                 | +10              | -5                  |             |         |
|                 | +20              | -3                  |             |         |
|                 | +25              | -5.3                |             |         |
|                 | +30              | -6.3                |             |         |
|                 | +40              | -3.7                |             |         |
|                 | +50              | -6.6                |             |         |
| 6.8             | +25              | -3.3                |             |         |
| 8.9             | +25              | -6.7                |             |         |

## NR Band n38 PI/2 BPSK 40 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2595 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | -9.2                | ±6487.5     | Pass    |
|                 | -20              | -4.5                |             |         |
|                 | -10              | -5.6                |             |         |
|                 | 0                | -5                  |             |         |
|                 | +10              | -7.3                |             |         |
|                 | +20              | -3.7                |             |         |
|                 | +25              | -6                  |             |         |
|                 | +30              | -6.2                |             |         |
|                 | +40              | -9.6                |             |         |
|                 | +50              | -6.1                |             |         |
| 6.8             | +25              | -4.9                |             |         |
| 8.9             | +25              | -6.4                |             |         |

## NR Band n38 QPSK 40 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2595 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | -7.8                | ±6487.5     | Pass    |
|                 | -20              | -6.8                |             |         |
|                 | -10              | -9.2                |             |         |
|                 | 0                | -9                  |             |         |
|                 | +10              | -3.7                |             |         |
|                 | +20              | -10.2               |             |         |
|                 | +25              | -7.3                |             |         |
|                 | +30              | -6.3                |             |         |
|                 | +40              | -5.2                |             |         |
|                 | +50              | -4                  |             |         |
| 6.8             | +25              | -3.6                |             |         |
| 8.9             | +25              | -7.2                |             |         |

## NR Band n41 PI/2 BPSK 100 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2592.99 MHz  |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | -5.6                | ±6482.475   | Pass    |
|                 | -20              | -3.8                |             |         |
|                 | -10              | -7.7                |             |         |
|                 | 0                | -5.5                |             |         |
|                 | +10              | -4.7                |             |         |
|                 | +20              | -10.9               |             |         |
|                 | +25              | -5.7                |             |         |
|                 | +30              | -9.5                |             |         |
|                 | +40              | -6.3                |             |         |
|                 | +50              | -7.1                |             |         |
| 6.8             | +25              | -7                  |             |         |
| 8.9             | +25              | -9.1                |             |         |

## NR Band n41 QPSK 100 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2592.99 MHz  |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | -5.5                | ±6482.475   | Pass    |
|                 | -20              | -11.3               |             |         |
|                 | -10              | -11.1               |             |         |
|                 | 0                | -5.1                |             |         |
|                 | +10              | -4.6                |             |         |
|                 | +20              | -3.9                |             |         |
|                 | +25              | -5.9                |             |         |
|                 | +30              | -6                  |             |         |
|                 | +40              | -5.3                |             |         |
|                 | +50              | -5.7                |             |         |
| 6.8             | +25              | -6.2                |             |         |
| 8.9             | +25              | -8.3                |             |         |

## NR DC\_5A\_n7A PI/2 BPSK 10 MHz(LTE)+20 MHz(NR)

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2535 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | -3.9                | ±6337.5     | Pass    |
|                 | -20              | -4                  |             |         |
|                 | -10              | -4.1                |             |         |
|                 | 0                | -3.3                |             |         |
|                 | +10              | -8.5                |             |         |
|                 | +20              | -7.5                |             |         |
|                 | +25              | -4.9                |             |         |
|                 | +30              | -4                  |             |         |
|                 | +40              | -5.4                |             |         |
|                 | +50              | -5.1                |             |         |
| 6.8             | +25              | -1.6                |             |         |
| 8.9             | +25              | -1.4                |             |         |

## NR DC\_5A\_n7A QPSK 10 MHz(LTE)+20 MHz(NR)

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2535 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | -8.4                | ±6337.5     | Pass    |
|                 | -20              | -8.7                |             |         |
|                 | -10              | -5.4                |             |         |
|                 | 0                | -4.2                |             |         |
|                 | +10              | -2                  |             |         |
|                 | +20              | -4                  |             |         |
|                 | +25              | -2.8                |             |         |
|                 | +30              | -6.7                |             |         |
|                 | +40              | -2.9                |             |         |
|                 | +50              | -6                  |             |         |
| 6.8             | +25              | -1.9                |             |         |
| 8.9             | +25              | -10                 |             |         |

## NR DC\_7A\_n5A PI/2 BPSK 20 MHz(LTE)+20 MHz(NR)

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>836.5 MHz    |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | -6                  | ±2091.25    | Pass    |
|                 | -20              | -6.7                |             |         |
|                 | -10              | -4.7                |             |         |
|                 | 0                | -5.6                |             |         |
|                 | +10              | -6.3                |             |         |
|                 | +20              | -9.2                |             |         |
|                 | +25              | -7.5                |             |         |
|                 | +30              | -6.9                |             |         |
|                 | +40              | -8.6                |             |         |
|                 | +50              | -9                  |             |         |
| 6.8             | +25              | -8.2                |             |         |
| 8.9             | +25              | -9.9                |             |         |

## NR DC\_7A\_n5A QPSK 20 MHz(LTE)+20 MHz(NR)

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>836.5 MHz    |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | -6.1                | ±2091.25    | Pass    |
|                 | -20              | -5.8                |             |         |
|                 | -10              | -8.6                |             |         |
|                 | 0                | -8.1                |             |         |
|                 | +10              | -6                  |             |         |
|                 | +20              | -5.5                |             |         |
|                 | +25              | -7.9                |             |         |
|                 | +30              | -9                  |             |         |
|                 | +40              | -8.2                |             |         |
|                 | +50              | -9.3                |             |         |
| 6.8             | +25              | -7.4                |             |         |
| 8.9             | +25              | -8                  |             |         |

## NR DC\_7A\_n7A PI/2 BPSK 20 MHz(LTE)+20 MHz(NR)

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2535 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | -444                | ±6337.5     | Pass    |
|                 | -20              | -450.4              |             |         |
|                 | -10              | -488.3              |             |         |
|                 | 0                | -471.2              |             |         |
|                 | +10              | -453.9              |             |         |
|                 | +20              | -480.5              |             |         |
|                 | +25              | -465.6              |             |         |
|                 | +30              | -475.4              |             |         |
|                 | +40              | -424.6              |             |         |
|                 | +50              | -472.5              |             |         |
| 6.8             | +25              | -388.8              |             |         |
| 8.9             | +25              | -442.2              |             |         |

## NR DC\_7A\_n7A QPSK 20 MHz(LTE)+20 MHz(NR)

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2535 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | -429.3              | ±6337.5     | Pass    |
|                 | -20              | -448.7              |             |         |
|                 | -10              | -461.7              |             |         |
|                 | 0                | -458.7              |             |         |
|                 | +10              | -418.3              |             |         |
|                 | +20              | -441.6              |             |         |
|                 | +25              | -472.8              |             |         |
|                 | +30              | -451.3              |             |         |
|                 | +40              | -459.8              |             |         |
|                 | +50              | -458                |             |         |
| 6.8             | +25              | -435                |             |         |
| 8.9             | +25              | -411.8              |             |         |



## NR DC\_7A\_n66A PI/2 BPSK 20 MHz(LTE)+20 MHz(NR)

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1745 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | -2.1                | ±4362.5     | Pass    |
|                 | -20              | -1.6                |             |         |
|                 | -10              | -3.1                |             |         |
|                 | 0                | -3.4                |             |         |
|                 | +10              | -4.2                |             |         |
|                 | +20              | -3.7                |             |         |
|                 | +25              | -2.7                |             |         |
|                 | +30              | -3.3                |             |         |
|                 | +40              | -6.3                |             |         |
|                 | +50              | -4.1                |             |         |
| 6.8             | +25              | -2.9                |             |         |
| 8.9             | +25              | -4                  |             |         |

## NR DC\_7A\_n66A QPSK 20 MHz(LTE)+20 MHz(NR)

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1745 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | -1.6                | ±4362.5     | Pass    |
|                 | -20              | -3.9                |             |         |
|                 | -10              | -3.8                |             |         |
|                 | 0                | -1                  |             |         |
|                 | +10              | 1.2                 |             |         |
|                 | +20              | 1.8                 |             |         |
|                 | +25              | -3.5                |             |         |
|                 | +30              | -2.7                |             |         |
|                 | +40              | -0.1                |             |         |
|                 | +50              | -0.3                |             |         |
| 6.8             | +25              | -3                  |             |         |
| 8.9             | +25              | -0.6                |             |         |

## NR DC\_66A\_n7A PI/2 BPSK 20 MHz(LTE)+20 MHz(NR)

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2535 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | -4.7                | ±6337.5     | Pass    |
|                 | -20              | -6.1                |             |         |
|                 | -10              | -6                  |             |         |
|                 | 0                | -3.7                |             |         |
|                 | +10              | -3                  |             |         |
|                 | +20              | -2.9                |             |         |
|                 | +25              | -7.4                |             |         |
|                 | +30              | -6.4                |             |         |
|                 | +40              | -5                  |             |         |
|                 | +50              | -7.3                |             |         |
| 6.8             | +25              | -5.5                |             |         |
| 8.9             | +25              | -5.9                |             |         |

## NR DC\_66A\_n7A QPSK 20 MHz(LTE)+20 MHz(NR)

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2535 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | -3                  | ±6337.5     | Pass    |
|                 | -20              | -1                  |             |         |
|                 | -10              | -0.3                |             |         |
|                 | 0                | -0.9                |             |         |
|                 | +10              | -8                  |             |         |
|                 | +20              | -7.6                |             |         |
|                 | +25              | -7.7                |             |         |
|                 | +30              | -6.7                |             |         |
|                 | +40              | -9.8                |             |         |
|                 | +50              | -8.6                |             |         |
| 6.8             | +25              | -6.2                |             |         |
| 8.9             | +25              | -5.7                |             |         |

## NR DC\_66A\_n66A PI/2 BPSK 20 MHz(LTE)+20 MHz(NR)

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1745 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | -17.7               | ±4362.5     | Pass    |
|                 | -20              | -24.1               |             |         |
|                 | -10              | -17.8               |             |         |
|                 | 0                | -19.5               |             |         |
|                 | +10              | -24.1               |             |         |
|                 | +20              | -25.6               |             |         |
|                 | +25              | -20.1               |             |         |
|                 | +30              | -20.4               |             |         |
|                 | +40              | -24.6               |             |         |
|                 | +50              | -21.8               |             |         |
| 6.8             | +25              | -15.4               |             |         |
| 8.9             | +25              | -18.5               |             |         |

## NR DC\_66A\_n66A QPSK 20 MHz(LTE)+20 MHz(NR)

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1745 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 7.74            | -30              | -21.7               | ±4362.5     | Pass    |
|                 | -20              | -14.9               |             |         |
|                 | -10              | -16.7               |             |         |
|                 | 0                | -14.7               |             |         |
|                 | +10              | -18.0               |             |         |
|                 | +20              | -18.3               |             |         |
|                 | +25              | -16.4               |             |         |
|                 | +30              | -18.7               |             |         |
|                 | +40              | -17.5               |             |         |
|                 | +50              | -19.9               |             |         |
| 6.8             | +25              | -16.8               |             |         |
| 8.9             | +25              | -17.5               |             |         |

## A.5 Spurious Emission at Antenna Terminals

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-SZ21A0580-501 Data Part 3.pdf".

### 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 17   | 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         | LCH          | QPSK      | RB1#0                 | 13.7                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 13.8                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 13.9                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 13.10                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 13.11                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 13.12                          | 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                 | 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    |
|                  | 3 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    |
|                  | 5 MHz          | LCH          | QPSK      | RB1#0                 | 14.13                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.14                          | Pass    |
|                  |                | MCH          | QPSK      | RB1#0                 | 14.15                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.16                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#0                 | 14.17                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.18                          | Pass    |
|                  | 10 MHz         | LCH          | QPSK      | RB1#0                 | 14.19                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.20                          | Pass    |
|                  |                | MCH          | QPSK      | RB1#0                 | 14.21                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.22                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#0                 | 14.23                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.24                          | Pass    |
|                  | 15 MHz         | LCH          | QPSK      | RB1#0                 | 14.25                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.26                          | Pass    |
|                  |                | MCH          | QPSK      | RB1#0                 | 14.27                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.28                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#0                 | 14.29                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.30                          | 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                 | 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         | MCH          | QPSK      | RB1#0                 | 15.19                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.20                          | 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                 | 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    |
|           | 10 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    |
|           | 15 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    |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | 16.19                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 16.20                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 16.21                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 16.22                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 16.23                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 16.24                          | 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                 | 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    |
|           | 10 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    |
|           | 15 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    |
|           | 20 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    |

| 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                 | 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    |
|           | 3 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    |
|           | 5 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    |
|           | 10 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    |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | 18.25                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.26                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 18.27                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.28                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 18.29                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.30                          | Pass    |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | 18.31                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.32                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 18.33                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.34                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 18.35                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.36                          | 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      | 99     | 1      | 0      | 19.1                           | Pass    |
|              | 16-QAM     | 1      | 99     | 1      | 0      | 19.2                           | Pass    |
| Mid          | QPSK       | 1      | 99     | 1      | 0      | 19.3                           | Pass    |
|              | 16-QAM     | 1      | 99     | 1      | 0      | 19.4                           | Pass    |
| High         | QPSK       | 1      | 99     | 1      | 0      | 19.5                           | Pass    |
|              | 16-QAM     | 1      | 99     | 1      | 0      | 19.6                           | Pass    |
| 20MHz+20MHz  |            |        |        |        |        |                                |         |
| Low          | QPSK       | 1      | 99     | 1      | 0      | 19.7                           | Pass    |
|              | 16-QAM     | 1      | 99     | 1      | 0      | 19.8                           | Pass    |
| Mid          | QPSK       | 1      | 99     | 1      | 0      | 19.9                           | Pass    |
|              | 16-QAM     | 1      | 99     | 1      | 0      | 19.10                          | Pass    |
| High         | QPSK       | 1      | 99     | 1      | 0      | 19.11                          | Pass    |
|              | 16-QAM     | 1      | 99     | 1      | 0      | 19.12                          | 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      | 74     | 1      | 0      | 20.1                           | Pass    |
|               | 16-QAM     | 1      | 74     | 1      | 0      | 20.2                           | Pass    |
| Mid           | QPSK       | 1      | 74     | 1      | 0      | 20.3                           | Pass    |
|               | 16-QAM     | 1      | 74     | 1      | 0      | 20.4                           | Pass    |
| High          | QPSK       | 1      | 74     | 1      | 0      | 20.5                           | Pass    |
|               | 16-QAM     | 1      | 74     | 1      | 0      | 20.6                           | Pass    |
| 20MHz+20MHz   |            |        |        |        |        |                                |         |
| Low           | QPSK       | 1      | 99     | 1      | 0      | 20.7                           | Pass    |
|               | 16-QAM     | 1      | 99     | 1      | 0      | 20.8                           | Pass    |
| Mid           | QPSK       | 1      | 99     | 1      | 0      | 20.9                           | Pass    |
|               | 16-QAM     | 1      | 99     | 1      | 0      | 20.10                          | Pass    |
| High          | QPSK       | 1      | 99     | 1      | 0      | 20.11                          | Pass    |
|               | 16-QAM     | 1      | 99     | 1      | 0      | 20.12                          | 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      | 99     | 1      | 0      | 21.1                           | Pass    |
|               | 16-QAM     | 1      | 99     | 1      | 0      | 21.2                           | Pass    |
| Mid           | QPSK       | 1      | 99     | 1      | 0      | 21.3                           | Pass    |
|               | 16-QAM     | 1      | 99     | 1      | 0      | 21.4                           | Pass    |
| High          | QPSK       | 1      | 99     | 1      | 0      | 21.5                           | Pass    |
|               | 16-QAM     | 1      | 99     | 1      | 0      | 21.6                           | Pass    |
| 20MHz+20MHz   |            |        |        |        |        |                                |         |
| Low           | QPSK       | 1      | 99     | 1      | 0      | 21.7                           | Pass    |
|               | 16-QAM     | 1      | 99     | 1      | 0      | 21.8                           | Pass    |
| Mid           | QPSK       | 1      | 99     | 1      | 0      | 21.9                           | Pass    |
|               | 16-QAM     | 1      | 99     | 1      | 0      | 21.10                          | Pass    |
| High          | QPSK       | 1      | 99     | 1      | 0      | 21.11                          | Pass    |
|               | 16-QAM     | 1      | 99     | 1      | 0      | 21.12                          | 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          | PI/2 BPSK | 12           | 6             | 22.1                           | Pass    |
|           |                         |              | QPSK      | 12           | 6             | 22.2                           | Pass    |
|           |                         | MCH          | PI/2 BPSK | 12           | 6             | 22.3                           | Pass    |
|           |                         |              | QPSK      | 12           | 6             | 22.4                           | Pass    |
|           |                         | HCH          | PI/2 BPSK | 12           | 6             | 22.5                           | Pass    |
|           |                         |              | QPSK      | 12           | 6             | 22.6                           | Pass    |
|           | 15                      | LCH          | PI/2 BPSK | 36           | 18            | 22.7                           | Pass    |
|           |                         |              | QPSK      | 36           | 18            | 22.8                           | Pass    |
|           |                         | MCH          | PI/2 BPSK | 36           | 18            | 22.9                           | Pass    |
|           |                         |              | QPSK      | 36           | 18            | 22.10                          | Pass    |
|           |                         | HCH          | PI/2 BPSK | 36           | 18            | 22.11                          | Pass    |
|           |                         |              | QPSK      | 36           | 18            | 22.12                          | Pass    |
|           | 20                      | LCH          | PI/2 BPSK | 50           | 25            | 22.13                          | Pass    |
|           |                         |              | QPSK      | 50           | 25            | 22.14                          | Pass    |
|           |                         | MCH          | PI/2 BPSK | 50           | 25            | 22.15                          | Pass    |
|           |                         |              | QPSK      | 50           | 25            | 22.16                          | Pass    |
|           |                         | HCH          | PI/2 BPSK | 50           | 25            | 22.17                          | Pass    |
|           |                         |              | QPSK      | 50           | 25            | 22.18                          | 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          | PI/2 BPSK | 12           | 6             | 23.1                           | Pass    |
|           |                         |              | QPSK      | 12           | 6             | 23.2                           | Pass    |
|           |                         | MCH          | PI/2 BPSK | 12           | 6             | 23.3                           | Pass    |
|           |                         |              | QPSK      | 12           | 6             | 23.4                           | Pass    |
|           |                         | HCH          | PI/2 BPSK | 12           | 6             | 23.5                           | Pass    |
|           |                         |              | QPSK      | 12           | 6             | 23.6                           | Pass    |
|           | 15                      | LCH          | PI/2 BPSK | 36           | 18            | 23.7                           | Pass    |
|           |                         |              | QPSK      | 36           | 18            | 23.8                           | Pass    |
|           |                         | MCH          | PI/2 BPSK | 36           | 18            | 23.9                           | Pass    |
|           |                         |              | QPSK      | 36           | 18            | 23.10                          | Pass    |
|           |                         | HCH          | PI/2 BPSK | 36           | 18            | 23.11                          | Pass    |
|           |                         |              | QPSK      | 36           | 18            | 23.12                          | Pass    |
|           | 20                      | LCH          | PI/2 BPSK | 50           | 25            | 23.13                          | Pass    |
|           |                         |              | QPSK      | 50           | 25            | 23.14                          | Pass    |
|           |                         | MCH          | PI/2 BPSK | 50           | 25            | 23.15                          | Pass    |
|           |                         |              | QPSK      | 50           | 25            | 23.16                          | Pass    |
|           |                         | HCH          | PI/2 BPSK | 50           | 25            | 23.17                          | Pass    |
|           |                         |              | QPSK      | 50           | 25            | 23.18                          | 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          | PI/2 BPSK | 25           | 12            | 24.1                           | Pass    |
|           |                         |              | QPSK      | 25           | 12            | 24.2                           | Pass    |
|           |                         | MCH          | PI/2 BPSK | 25           | 12            | 24.3                           | Pass    |
|           |                         |              | QPSK      | 25           | 12            | 24.4                           | Pass    |
|           |                         | HCH          | PI/2 BPSK | 25           | 12            | 24.5                           | Pass    |
|           |                         |              | QPSK      | 25           | 12            | 24.6                           | Pass    |
|           | 30                      | LCH          | PI/2 BPSK | 36           | 18            | 24.7                           | Pass    |
|           |                         |              | QPSK      | 36           | 18            | 24.8                           | Pass    |
|           |                         | MCH          | PI/2 BPSK | 36           | 18            | 24.9                           | Pass    |
|           |                         |              | QPSK      | 36           | 18            | 24.10                          | Pass    |
|           |                         | HCH          | PI/2 BPSK | 36           | 18            | 24.11                          | Pass    |
|           |                         |              | QPSK      | 36           | 18            | 24.12                          | Pass    |
|           | 40                      | LCH          | PI/2 BPSK | 50           | 25            | 24.13                          | Pass    |
|           |                         |              | QPSK      | 50           | 25            | 24.14                          | Pass    |
|           |                         | MCH          | PI/2 BPSK | 50           | 25            | 24.15                          | Pass    |
|           |                         |              | QPSK      | 50           | 25            | 24.16                          | Pass    |
|           |                         | HCH          | PI/2 BPSK | 50           | 25            | 24.17                          | Pass    |
|           |                         |              | QPSK      | 50           | 25            | 24.18                          | 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          | PI/2 BPSK | 25           | 12            | 25.1                           | Pass    |
|           |                         |              | QPSK      | 25           | 12            | 25.2                           | Pass    |
|           |                         | MCH          | PI/2 BPSK | 25           | 12            | 25.3                           | Pass    |
|           |                         |              | QPSK      | 25           | 12            | 25.4                           | Pass    |
|           |                         | HCH          | PI/2 BPSK | 25           | 12            | 25.5                           | Pass    |
|           |                         |              | QPSK      | 25           | 12            | 25.6                           | Pass    |
|           | 60                      | LCH          | PI/2 BPSK | 81           | 40            | 25.7                           | Pass    |
|           |                         |              | QPSK      | 81           | 40            | 25.8                           | Pass    |
|           |                         | MCH          | PI/2 BPSK | 81           | 40            | 25.9                           | Pass    |
|           |                         |              | QPSK      | 81           | 40            | 25.10                          | Pass    |
|           |                         | HCH          | PI/2 BPSK | 81           | 40            | 25.11                          | Pass    |
|           |                         |              | QPSK      | 81           | 40            | 25.12                          | Pass    |
|           | 100                     | LCH          | PI/2 BPSK | 135          | 67            | 25.13                          | Pass    |
|           |                         |              | QPSK      | 135          | 67            | 25.14                          | Pass    |
|           |                         | MCH          | PI/2 BPSK | 135          | 67            | 25.15                          | Pass    |
|           |                         |              | QPSK      | 135          | 67            | 25.16                          | Pass    |
|           |                         | HCH          | PI/2 BPSK | 135          | 67            | 25.17                          | Pass    |
|           |                         |              | QPSK      | 135          | 67            | 25.18                          | 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 |
|---------------|--------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| DC_5A_n<br>7A | 10MHz(LTE)+<br>5MHz(NR)  | LCH          | PI/2 BPSK | 12           | 6             | 26.1                           | Pass    |
|               |                          |              | QPSK      | 12           | 6             | 26.2                           | Pass    |
|               |                          | MCH          | PI/2 BPSK | 12           | 6             | 26.3                           | Pass    |
|               |                          |              | QPSK      | 12           | 6             | 26.4                           | Pass    |
|               |                          | HCH          | PI/2 BPSK | 12           | 6             | 26.5                           | Pass    |
|               |                          |              | QPSK      | 12           | 6             | 26.6                           | Pass    |
|               | 10MHz(LTE)+<br>15MHz(NR) | LCH          | PI/2 BPSK | 36           | 18            | 26.7                           | Pass    |
|               |                          |              | QPSK      | 36           | 18            | 26.8                           | Pass    |
|               |                          | MCH          | PI/2 BPSK | 36           | 18            | 26.9                           | Pass    |
|               |                          |              | QPSK      | 36           | 18            | 26.10                          | Pass    |
|               |                          | HCH          | PI/2 BPSK | 36           | 18            | 26.11                          | Pass    |
|               |                          |              | QPSK      | 36           | 18            | 26.12                          | Pass    |
|               | 10MHz(LTE)+<br>20MHz(NR) | LCH          | PI/2 BPSK | 50           | 25            | 26.13                          | Pass    |
|               |                          |              | QPSK      | 50           | 25            | 26.14                          | Pass    |
|               |                          | MCH          | PI/2 BPSK | 50           | 25            | 26.15                          | Pass    |
|               |                          |              | QPSK      | 50           | 25            | 26.16                          | Pass    |
|               |                          | HCH          | PI/2 BPSK | 50           | 25            | 26.17                          | Pass    |
|               |                          |              | QPSK      | 50           | 25            | 26.18                          | 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 |
|---------------|--------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| DC_7A_n<br>5A | 20MHz(LTE)+<br>5MHz(NR)  | LCH          | PI/2 BPSK | 12           | 6             | 27.1                           | Pass    |
|               |                          |              | QPSK      | 12           | 6             | 27.2                           | Pass    |
|               |                          | MCH          | PI/2 BPSK | 12           | 6             | 27.3                           | Pass    |
|               |                          |              | QPSK      | 12           | 6             | 27.4                           | Pass    |
|               |                          | HCH          | PI/2 BPSK | 12           | 6             | 27.5                           | Pass    |
|               |                          |              | QPSK      | 12           | 6             | 27.6                           | Pass    |
|               | 20MHz(LTE)+<br>15MHz(NR) | LCH          | PI/2 BPSK | 36           | 18            | 27.7                           | Pass    |
|               |                          |              | QPSK      | 36           | 18            | 27.8                           | Pass    |
|               |                          | MCH          | PI/2 BPSK | 36           | 18            | 27.9                           | Pass    |
|               |                          |              | QPSK      | 36           | 18            | 27.10                          | Pass    |
|               |                          | HCH          | PI/2 BPSK | 36           | 18            | 27.11                          | Pass    |
|               |                          |              | QPSK      | 36           | 18            | 27.12                          | Pass    |
|               | 20MHz(LTE)+<br>20MHz(NR) | LCH          | PI/2 BPSK | 50           | 25            | 27.13                          | Pass    |
|               |                          |              | QPSK      | 50           | 25            | 27.14                          | Pass    |
|               |                          | MCH          | PI/2 BPSK | 50           | 25            | 27.15                          | Pass    |
|               |                          |              | QPSK      | 50           | 25            | 27.16                          | Pass    |
|               |                          | HCH          | PI/2 BPSK | 50           | 25            | 27.17                          | Pass    |
|               |                          |              | QPSK      | 50           | 25            | 27.18                          | 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 |
|---------------|--------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| DC_7A_n<br>7A | 20MHz(LTE)+<br>5MHz(NR)  | LCH          | PI/2 BPSK | 12           | 6             | 28.1                           | Pass    |
|               |                          |              | QPSK      | 12           | 6             | 28.2                           | Pass    |
|               |                          | MCH          | PI/2 BPSK | 12           | 6             | 28.3                           | Pass    |
|               |                          |              | QPSK      | 12           | 6             | 28.4                           | Pass    |
|               |                          | HCH          | PI/2 BPSK | 12           | 6             | 28.5                           | Pass    |
|               |                          |              | QPSK      | 12           | 6             | 28.6                           | Pass    |
|               | 20MHz(LTE)+<br>15MHz(NR) | LCH          | PI/2 BPSK | 36           | 18            | 28.7                           | Pass    |
|               |                          |              | QPSK      | 36           | 18            | 28.8                           | Pass    |
|               |                          | MCH          | PI/2 BPSK | 36           | 18            | 28.9                           | Pass    |
|               |                          |              | QPSK      | 36           | 18            | 28.10                          | Pass    |
|               |                          | HCH          | PI/2 BPSK | 36           | 18            | 28.11                          | Pass    |
|               |                          |              | QPSK      | 36           | 18            | 28.12                          | Pass    |
|               | 20MHz(LTE)+<br>20MHz(NR) | LCH          | PI/2 BPSK | 50           | 25            | 28.13                          | Pass    |
|               |                          |              | QPSK      | 50           | 25            | 28.14                          | Pass    |
|               |                          | MCH          | PI/2 BPSK | 50           | 25            | 28.15                          | Pass    |
|               |                          |              | QPSK      | 50           | 25            | 28.16                          | Pass    |
|               |                          | HCH          | PI/2 BPSK | 50           | 25            | 28.17                          | Pass    |
|               |                          |              | QPSK      | 50           | 25            | 28.18                          | 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 |
|----------------|--------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| DC_7A_n<br>66A | 20MHz(LTE)+<br>5MHz(NR)  | LCH          | PI/2 BPSK | 12           | 6             | 29.1                           | Pass    |
|                |                          |              | QPSK      | 12           | 6             | 29.2                           | Pass    |
|                |                          | MCH          | PI/2 BPSK | 12           | 6             | 29.3                           | Pass    |
|                |                          |              | QPSK      | 12           | 6             | 29.4                           | Pass    |
|                |                          | HCH          | PI/2 BPSK | 12           | 6             | 29.5                           | Pass    |
|                |                          |              | QPSK      | 12           | 6             | 29.6                           | Pass    |
|                | 20MHz(LTE)+<br>15MHz(NR) | LCH          | PI/2 BPSK | 36           | 18            | 29.7                           | Pass    |
|                |                          |              | QPSK      | 36           | 18            | 29.8                           | Pass    |
|                |                          | MCH          | PI/2 BPSK | 36           | 18            | 29.9                           | Pass    |
|                |                          |              | QPSK      | 36           | 18            | 29.10                          | Pass    |
|                |                          | HCH          | PI/2 BPSK | 36           | 18            | 29.11                          | Pass    |
|                |                          |              | QPSK      | 36           | 18            | 29.12                          | Pass    |
|                | 20MHz(LTE)+<br>20MHz(NR) | LCH          | PI/2 BPSK | 50           | 25            | 29.13                          | Pass    |
|                |                          |              | QPSK      | 50           | 25            | 29.14                          | Pass    |
|                |                          | MCH          | PI/2 BPSK | 50           | 25            | 29.15                          | Pass    |
|                |                          |              | QPSK      | 50           | 25            | 29.16                          | Pass    |
|                |                          | HCH          | PI/2 BPSK | 50           | 25            | 29.17                          | Pass    |
|                |                          |              | QPSK      | 50           | 25            | 29.18                          | 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 |
|------------|-------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| DC_66A_n7A | 20MHz(LTE)+5MHz(NR)     | LCH          | PI/2 BPSK | 12           | 6             | 30.1                           | Pass    |
|            |                         |              | QPSK      | 12           | 6             | 30.2                           | Pass    |
|            |                         | MCH          | PI/2 BPSK | 12           | 6             | 30.3                           | Pass    |
|            |                         |              | QPSK      | 12           | 6             | 30.4                           | Pass    |
|            |                         | HCH          | PI/2 BPSK | 12           | 6             | 30.5                           | Pass    |
|            |                         |              | QPSK      | 12           | 6             | 30.6                           | Pass    |
|            | 20MHz(LTE)+15MHz(NR)    | LCH          | PI/2 BPSK | 36           | 18            | 30.7                           | Pass    |
|            |                         |              | QPSK      | 36           | 18            | 30.8                           | Pass    |
|            |                         | MCH          | PI/2 BPSK | 36           | 18            | 30.9                           | Pass    |
|            |                         |              | QPSK      | 36           | 18            | 30.10                          | Pass    |
|            |                         | HCH          | PI/2 BPSK | 36           | 18            | 30.11                          | Pass    |
|            |                         |              | QPSK      | 36           | 18            | 30.12                          | Pass    |
|            | 20MHz(LTE)+20MHz(NR)    | LCH          | PI/2 BPSK | 50           | 25            | 30.13                          | Pass    |
|            |                         |              | QPSK      | 50           | 25            | 30.14                          | Pass    |
|            |                         | MCH          | PI/2 BPSK | 50           | 25            | 30.15                          | Pass    |
|            |                         |              | QPSK      | 50           | 25            | 30.16                          | Pass    |
|            |                         | HCH          | PI/2 BPSK | 50           | 25            | 30.17                          | Pass    |
|            |                         |              | QPSK      | 50           | 25            | 30.18                          | 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 |
|-------------|-------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| DC_66A_n66A | 20MHz(LTE)+5MHz(NR)     | LCH          | PI/2 BPSK | 12           | 6             | 31.1                           | Pass    |
|             |                         |              | QPSK      | 12           | 6             | 31.2                           | Pass    |
|             |                         | MCH          | PI/2 BPSK | 12           | 6             | 31.3                           | Pass    |
|             |                         |              | QPSK      | 12           | 6             | 31.4                           | Pass    |
|             |                         | HCH          | PI/2 BPSK | 12           | 6             | 31.5                           | Pass    |
|             |                         |              | QPSK      | 12           | 6             | 31.6                           | Pass    |
|             | 20MHz(LTE)+15MHz(NR)    | LCH          | PI/2 BPSK | 36           | 18            | 31.7                           | Pass    |
|             |                         |              | QPSK      | 36           | 18            | 31.8                           | Pass    |
|             |                         | MCH          | PI/2 BPSK | 36           | 18            | 31.9                           | Pass    |
|             |                         |              | QPSK      | 36           | 18            | 31.10                          | Pass    |
|             |                         | HCH          | PI/2 BPSK | 36           | 18            | 31.11                          | Pass    |
|             |                         |              | QPSK      | 36           | 18            | 31.12                          | Pass    |
|             | 20MHz(LTE)+20MHz(NR)    | LCH          | PI/2 BPSK | 50           | 25            | 31.13                          | Pass    |
|             |                         |              | QPSK      | 50           | 25            | 31.14                          | Pass    |
|             |                         | MCH          | PI/2 BPSK | 50           | 25            | 31.15                          | Pass    |
|             |                         |              | QPSK      | 50           | 25            | 31.16                          | Pass    |
|             |                         | HCH          | PI/2 BPSK | 50           | 25            | 31.17                          | Pass    |
|             |                         |              | QPSK      | 50           | 25            | 31.18                          | Pass    |

## A.6 Band Edge

Note 1: Test plots please refer to the document "Annex No.: BL-SZ21A0580-501 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                           |         |
|           |                |              | RB75#0    | 8.40                  | Pass                           |         |
| 20 MHz    | LCH            | QPSK         | RB1#0     | 8.41                  | Pass                           |         |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
|           |                |              |           | 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    |
|           |                | 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                           |         |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
|           |                |              | 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       | LCH       | RB1#0                 | 11.3                           | Pass    |
|           |                |              |           | RB25#0                | 11.4                           | Pass    |
|           |                | QPSK         | HCH       | RB1#24                | 11.5                           | Pass    |
|           |                |              |           | RB25#0                | 11.6                           | Pass    |
|           | 16-QAM         | HCH          | 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       | LCH       | RB1#0                 | 11.11                          | Pass    |
|           |                |              |           | RB50#0                | 11.12                          | Pass    |
|           |                | QPSK         | HCH       | RB1#49                | 11.13                          | Pass    |
|           |                |              |           | RB50#0                | 11.14                          | Pass    |
|           | 16-QAM         | HCH          | 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       | LCH       | RB1#0                 | 11.19                          | Pass    |
|           |                |              |           | RB75#0                | 11.20                          | Pass    |
|           |                | QPSK         | HCH       | RB1#74                | 11.21                          | Pass    |
|           |                |              |           | RB75#0                | 11.22                          | Pass    |
|           | 16-QAM         | HCH          | 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         | LCH          | RB1#0     | 11.27                 | Pass                           |         |
|           |                |              | RB100#0   | 11.28                 | Pass                           |         |
|           | QPSK           | HCH          | RB1#99    | 11.29                 | Pass                           |         |
|           |                |              | RB100#0   | 11.30                 | Pass                           |         |
| 16-QAM    | HCH            | 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 |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 17   | 5 MHz          | LCH          | QPSK      | RB1#0                 | 13.1                           | Pass    |
|           |                |              |           | RB25#0                | 13.2                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 13.3                           | Pass    |
|           |                |              |           | RB25#0                | 13.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#24                | 13.5                           | Pass    |
|           |                |              |           | RB25#0                | 13.6                           | Pass    |
|           |                |              | 16-QAM    | RB1#24                | 13.7                           | Pass    |
|           |                |              |           | RB25#0                | 13.8                           | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 13.9                           | Pass    |
|           |                |              |           | RB50#0                | 13.10                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 13.11                          | Pass    |
|           |                |              |           | RB50#0                | 13.12                          | Pass    |
|           |                | HCH          | QPSK      | RB1#49                | 13.13                          | Pass    |
|           |                |              |           | RB50#0                | 13.14                          | Pass    |
|           |                |              | 16-QAM    | RB1#49                | 13.15                          | Pass    |
|           |                |              |           | RB50#0                | 13.16                          | 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                 | 14.1                           | Pass    |
|                  |                |              |           | RB6#0                 | 14.2                           | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.3                           | Pass    |
|                  |                |              |           | RB6#0                 | 14.4                           | Pass    |
|                  |                | HCH          | QPSK      | RB1#5                 | 14.5                           | Pass    |
|                  |                |              |           | RB6#0                 | 14.6                           | Pass    |
|                  |                |              | 16-QAM    | RB1#5                 | 14.7                           | Pass    |
|                  |                |              |           | RB6#0                 | 14.8                           | Pass    |
|                  | 3 MHz          | LCH          | QPSK      | RB1#0                 | 14.9                           | Pass    |
|                  |                |              |           | RB15#0                | 14.10                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.11                          | Pass    |
|                  |                |              |           | RB15#0                | 14.12                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#14                | 14.13                          | Pass    |
|                  |                |              |           | RB15#0                | 14.14                          | Pass    |
|                  |                |              | 16-QAM    | RB1#14                | 14.15                          | Pass    |
|                  |                |              |           | RB15#0                | 14.16                          | Pass    |
|                  | 5 MHz          | LCH          | QPSK      | RB1#0                 | 14.17                          | Pass    |
|                  |                |              |           | RB25#0                | 14.18                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.19                          | Pass    |
|                  |                |              |           | RB25#0                | 14.20                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#24                | 14.21                          | Pass    |
|                  |                |              |           | RB25#0                | 14.22                          | Pass    |
|                  |                |              | 16-QAM    | RB1#24                | 14.23                          | Pass    |
|                  |                |              |           | RB25#0                | 14.24                          | Pass    |
|                  | 10 MHz         | LCH          | QPSK      | RB1#0                 | 14.25                          | Pass    |
|                  |                |              |           | RB50#0                | 14.26                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.27                          | Pass    |
|                  |                |              |           | RB50#0                | 14.28                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#49                | 14.29                          | Pass    |
|                  |                |              |           | RB50#0                | 14.30                          | Pass    |
|                  |                |              | 16-QAM    | RB1#49                | 14.31                          | Pass    |
|                  |                |              |           | RB50#0                | 14.32                          | Pass    |
| 15 MHz           | LCH            | QPSK         | RB1#0     | 14.33                 | Pass                           |         |
|                  |                |              | RB75#0    | 14.34                 | Pass                           |         |
|                  |                | 16-QAM       | RB1#0     | 14.35                 | Pass                           |         |
|                  |                |              | RB75#0    | 14.36                 | Pass                           |         |
|                  | HCH            | QPSK         | RB1#74    | 14.37                 | Pass                           |         |
|                  |                |              | RB75#0    | 14.38                 | Pass                           |         |
|                  |                | 16-QAM       | RB1#74    | 14.39                 | Pass                           |         |
|                  |                |              | RB75#0    | 14.40                 | Pass                           |         |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> |             | Verdict |
|------------------|----------------|--------------|-----------|-----------------------|--------------------------------|-------------|---------|
|                  |                |              |           |                       | In-band                        | Out-of-band |         |
| Band 26 (Part90) | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | 15.1                           | 16.1        | Pass    |
|                  |                |              |           | RB6#0                 | 15.2                           | 16.2        | Pass    |
|                  |                | 16-QAM       | RB1#0     | 15.3                  | 16.3                           | Pass        |         |
|                  |                |              | RB6#0     | 15.4                  | 16.4                           | Pass        |         |
|                  |                | HCH          | QPSK      | RB1#5                 | 15.5                           | 16.5        | Pass    |
|                  |                |              |           | RB6#0                 | 15.6                           | 16.6        | Pass    |
|                  | 16-QAM         | RB1#5        | 15.7      | 16.7                  | Pass                           |             |         |
|                  |                | RB6#0        | 15.8      | 16.8                  | Pass                           |             |         |
|                  | 3 MHz          | LCH          | QPSK      | RB1#0                 | 15.9                           | 16.9        | Pass    |
|                  |                |              |           | RB15#0                | 15.10                          | 16.10       | Pass    |
|                  |                | 16-QAM       | RB1#0     | 15.11                 | 16.11                          | Pass        |         |
|                  |                |              | RB15#0    | 15.12                 | 16.12                          | Pass        |         |
|                  |                | HCH          | QPSK      | RB1#14                | 15.13                          | 16.13       | Pass    |
|                  |                |              |           | RB15#0                | 15.14                          | 16.14       | Pass    |
|                  | 16-QAM         | RB1#14       | 15.15     | 16.15                 | Pass                           |             |         |
|                  |                | RB15#0       | 15.16     | 16.16                 | Pass                           |             |         |
|                  | 5 MHz          | LCH          | QPSK      | RB1#0                 | 15.17                          | 16.17       | Pass    |
|                  |                |              |           | RB25#0                | 15.18                          | 16.18       | Pass    |
|                  |                | 16-QAM       | RB1#0     | 15.19                 | 16.19                          | Pass        |         |
|                  |                |              | RB25#0    | 15.20                 | 16.20                          | Pass        |         |
|                  |                | HCH          | QPSK      | RB1#24                | 15.21                          | 16.21       | Pass    |
|                  |                |              |           | RB25#0                | 15.22                          | 16.22       | Pass    |
|                  | 16-QAM         | RB1#24       | 15.23     | 16.23                 | Pass                           |             |         |
|                  |                | RB25#0       | 15.24     | 16.24                 | Pass                           |             |         |
| 10 MHz           | MCH            | QPSK         | RB1#0     | 15.25                 | 16.25                          | Pass        |         |
|                  |                |              | RB50#0    | 15.26                 | 16.26                          | Pass        |         |
|                  | 16-QAM         | RB1#0        | 15.27     | 16.27                 | Pass                           |             |         |
|                  |                | RB50#0       | 15.28     | 16.28                 | Pass                           |             |         |
|                  | MCH            | QPSK         | RB1#49    | 15.29                 | 16.29                          | Pass        |         |
|                  |                |              | RB50#0    | 15.30                 | 16.30                          | Pass        |         |
| 16-QAM           | RB1#49         | 15.31        | 16.31     | Pass                  |                                |             |         |
|                  | RB50#0         | 15.32        | 16.32     | 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                 | 17.1                           | Pass    |
|           |                |              |           | RB25#0                | 17.2                           | Pass    |
|           |                | 16-QAM       | RB1#0     | 17.3                  | Pass                           |         |
|           |                |              | RB25#0    | 17.4                  | Pass                           |         |
|           |                | HCH          | QPSK      | RB1#24                | 17.5                           | Pass    |
|           |                |              |           | RB25#0                | 17.6                           | Pass    |
|           | 16-QAM         | RB1#24       | 17.7      | Pass                  |                                |         |
|           |                | RB25#0       | 17.8      | Pass                  |                                |         |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 17.9                           | Pass    |
|           |                |              |           | RB50#0                | 17.10                          | Pass    |
|           |                | 16-QAM       | RB1#0     | 17.11                 | Pass                           |         |
|           |                |              | RB50#0    | 17.12                 | Pass                           |         |
|           |                | HCH          | QPSK      | RB1#49                | 17.13                          | Pass    |
|           |                |              |           | RB50#0                | 17.14                          | Pass    |
|           | 16-QAM         | RB1#49       | 17.15     | Pass                  |                                |         |
|           |                | RB50#0       | 17.16     | Pass                  |                                |         |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | 17.17                          | Pass    |
|           |                |              |           | RB75#0                | 17.18                          | Pass    |
|           |                | 16-QAM       | RB1#0     | 17.19                 | Pass                           |         |
|           |                |              | RB75#0    | 17.20                 | Pass                           |         |
|           |                | HCH          | QPSK      | RB1#74                | 17.21                          | Pass    |
|           |                |              |           | RB75#0                | 17.22                          | Pass    |
|           | 16-QAM         | RB1#74       | 17.23     | Pass                  |                                |         |
|           |                | RB75#0       | 17.24     | Pass                  |                                |         |
| 20 MHz    | LCH            | QPSK         | RB1#0     | 17.25                 | Pass                           |         |
|           |                |              | RB100#0   | 17.26                 | Pass                           |         |
|           | 16-QAM         | RB1#0        | 17.27     | Pass                  |                                |         |
|           |                | RB100#0      | 17.28     | Pass                  |                                |         |
|           | HCH            | QPSK         | RB1#99    | 17.29                 | Pass                           |         |
|           |                |              | RB100#0   | 17.30                 | Pass                           |         |
| 16-QAM    | RB1#99         | 17.31        | Pass      |                       |                                |         |
|           | RB100#0        | 17.32        | 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                 | 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 66   | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | 19.1                           | Pass    |
|           |                |              |           | RB6#0                 | 19.2                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 19.3                           | Pass    |
|           |                |              |           | RB6#0                 | 19.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#5                 | 19.5                           | Pass    |
|           |                |              |           | RB6#0                 | 19.6                           | Pass    |
|           |                |              | 16-QAM    | RB1#5                 | 19.7                           | Pass    |
|           |                |              |           | RB6#0                 | 19.8                           | Pass    |
|           | 3 MHz          | LCH          | QPSK      | RB1#0                 | 19.9                           | Pass    |
|           |                |              |           | RB15#0                | 19.10                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 19.11                          | Pass    |
|           |                |              |           | RB15#0                | 19.12                          | Pass    |
|           |                | HCH          | QPSK      | RB1#14                | 19.13                          | Pass    |
|           |                |              |           | RB15#0                | 19.14                          | Pass    |
|           |                |              | 16-QAM    | RB1#14                | 19.15                          | Pass    |
|           |                |              |           | RB15#0                | 19.16                          | Pass    |
|           | 5 MHz          | LCH          | QPSK      | RB1#0                 | 19.17                          | Pass    |
|           |                |              |           | RB25#0                | 19.18                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 19.19                          | Pass    |
|           |                |              |           | RB25#0                | 19.20                          | Pass    |
|           |                | HCH          | QPSK      | RB1#24                | 19.21                          | Pass    |
|           |                |              |           | RB25#0                | 19.22                          | Pass    |
|           |                |              | 16-QAM    | RB1#24                | 19.23                          | Pass    |
|           |                |              |           | RB25#0                | 19.24                          | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 19.25                          | Pass    |
|           |                |              |           | RB50#0                | 19.26                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 19.27                          | Pass    |
|           |                |              |           | RB50#0                | 19.28                          | Pass    |
|           |                | HCH          | QPSK      | RB1#49                | 19.29                          | Pass    |
|           |                |              |           | RB50#0                | 19.30                          | Pass    |
|           |                |              | 16-QAM    | RB1#49                | 19.31                          | Pass    |
|           |                |              |           | RB50#0                | 19.32                          | Pass    |
| 15 MHz    | LCH            | QPSK         | RB1#0     | 19.33                 | Pass                           |         |
|           |                |              | RB75#0    | 19.34                 | Pass                           |         |
|           |                | 16-QAM       | RB1#0     | 19.35                 | Pass                           |         |
|           |                |              | RB75#0    | 19.36                 | Pass                           |         |
|           | HCH            | QPSK         | RB1#74    | 19.37                 | Pass                           |         |
|           |                |              | RB75#0    | 19.38                 | Pass                           |         |
|           |                | 16-QAM       | RB1#74    | 19.39                 | Pass                           |         |
|           |                |              | RB75#0    | 19.40                 | Pass                           |         |
| 20 MHz    | LCH            | QPSK         | RB1#0     | 19.41                 | Pass                           |         |
|           |                |              | RB100#0   | 19.42                 | Pass                           |         |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
|           |                |              | 16-QAM    | RB1#0                 | 19.43                          | Pass    |
|           |                |              |           | RB100#0               | 19.44                          | Pass    |
|           |                | HCH          | QPSK      | RB1#99                | 19.45                          | Pass    |
|           |                |              |           | RB100#0               | 19.46                          | Pass    |
|           |                |              | 16-QAM    | RB1#99                | 19.47                          | Pass    |
|           |                |              |           | RB100#0               | 19.48                          | 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> |            |        |        |        |        |                                |         |
| 20MHz+5MHz    |            |        |        |        |        |                                |         |
| 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    |
| 20MHz+20MHz   |            |        |        |        |        |                                |         |
| 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          | PI/2 BPSK | 1            | 0             | 23.1                           | Pass    |
|           |                         |              |           | 25           | 0             | 23.2                           | Pass    |
|           |                         | LCH          | QPSK      | 1            | 0             | 23.3                           | Pass    |
|           |                         |              |           | 25           | 0             | 23.4                           | Pass    |
|           |                         | HCH          | PI/2 BPSK | 1            | 24            | 23.5                           | Pass    |
|           |                         |              |           | 25           | 0             | 23.6                           | Pass    |
|           | QPSK                    |              | 1         | 24           | 23.7          | Pass                           |         |
|           |                         |              | 25        | 0            | 23.8          | Pass                           |         |
|           | 15                      | LCH          | PI/2 BPSK | 1            | 0             | 23.9                           | Pass    |
|           |                         |              |           | 75           | 0             | 23.10                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 23.11                          | Pass    |
|           |                         |              |           | 75           | 0             | 23.12                          | Pass    |
|           |                         | HCH          | PI/2 BPSK | 1            | 78            | 23.13                          | Pass    |
|           |                         |              |           | 75           | 0             | 23.14                          | Pass    |
|           | QPSK                    | 1            | 78        | 23.15        | Pass          |                                |         |
|           |                         | 75           | 0         | 23.16        | Pass          |                                |         |
|           | 20                      | LCH          | PI/2 BPSK | 1            | 0             | 23.17                          | Pass    |
|           |                         |              |           | 100          | 0             | 23.18                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 23.19                          | Pass    |
|           |                         |              |           | 100          | 0             | 23.20                          | Pass    |
|           |                         | HCH          | PI/2 BPSK | 1            | 105           | 23.21                          | Pass    |
|           |                         |              |           | 100          | 0             | 23.22                          | Pass    |
|           |                         |              | QPSK      | 1            | 105           | 23.23                          | Pass    |
|           |                         |              |           | 100          | 0             | 23.24                          | 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          | PI/2 BPSK | 1            | 0             | 24.1                           | Pass    |      |
|           |                         |              |           | 25           | 0             | 24.2                           | Pass    |      |
|           |                         |              | QPSK      | 1            | 0             | 24.3                           | Pass    |      |
|           |                         |              |           | 25           | 0             | 24.4                           | Pass    |      |
|           |                         | HCH          | PI/2 BPSK | 1            | 24            | 24.5                           | Pass    |      |
|           |                         |              |           | 25           | 0             | 24.6                           | Pass    |      |
|           |                         |              | QPSK      | 1            | 24            | 24.7                           | Pass    |      |
|           |                         |              |           | 25           | 0             | 24.8                           | Pass    |      |
|           | 15                      | LCH          | PI/2 BPSK | 1            | 0             | 24.9                           | Pass    |      |
|           |                         |              |           | 75           | 0             | 24.10                          | Pass    |      |
|           |                         |              | QPSK      | 1            | 0             | 24.11                          | Pass    |      |
|           |                         |              |           | 75           | 0             | 24.12                          | Pass    |      |
|           |                         |              | HCH       | PI/2 BPSK    | 1             | 78                             | 24.13   | Pass |
|           |                         |              |           |              | 75            | 0                              | 24.14   | Pass |
|           |                         | QPSK         |           | 1            | 78            | 24.15                          | Pass    |      |
|           |                         |              |           | 75           | 0             | 24.16                          | Pass    |      |
|           |                         | 20           | LCH       | PI/2 BPSK    | 1             | 0                              | 24.17   | Pass |
|           |                         |              |           |              | 100           | 0                              | 24.18   | Pass |
|           |                         |              |           | QPSK         | 1             | 0                              | 24.19   | Pass |
|           |                         |              |           |              | 100           | 0                              | 24.20   | Pass |
|           | HCH                     |              | PI/2 BPSK | 1            | 105           | 24.21                          | Pass    |      |
|           |                         |              |           | 100          | 0             | 24.22                          | Pass    |      |
|           |                         |              | QPSK      | 1            | 105           | 24.23                          | Pass    |      |
|           |                         |              |           | 100          | 0             | 24.24                          | 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          | PI/2 BPSK | 1            | 0             | 25.1                           | Pass    |
|           |                         |              |           | 50           | 0             | 25.2                           | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 25.3                           | Pass    |
|           |                         |              |           | 50           | 0             | 25.4                           | Pass    |
|           |                         | HCH          | PI/2 BPSK | 1            | 50            | 25.5                           | Pass    |
|           |                         |              |           | 50           | 0             | 25.6                           | Pass    |
|           |                         |              | QPSK      | 1            | 50            | 25.7                           | Pass    |
|           |                         |              |           | 50           | 0             | 25.8                           | Pass    |
|           | 30                      | LCH          | PI/2 BPSK | 1            | 0             | 25.9                           | Pass    |
|           |                         |              |           | 75           | 0             | 25.10                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 25.11                          | Pass    |
|           |                         |              |           | 75           | 0             | 25.12                          | Pass    |
|           |                         | HCH          | PI/2 BPSK | 1            | 77            | 25.13                          | Pass    |
|           |                         |              |           | 75           | 0             | 25.14                          | Pass    |
|           |                         |              | QPSK      | 1            | 77            | 25.15                          | Pass    |
|           |                         |              |           | 75           | 0             | 25.16                          | Pass    |
|           | 40                      | LCH          | PI/2 BPSK | 1            | 0             | 25.17                          | Pass    |
|           |                         |              |           | 100          | 0             | 25.18                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 25.19                          | Pass    |
|           |                         |              |           | 100          | 0             | 25.20                          | Pass    |
|           |                         | HCH          | PI/2 BPSK | 1            | 105           | 25.21                          | Pass    |
|           |                         |              |           | 100          | 0             | 25.22                          | Pass    |
|           |                         |              | QPSK      | 1            | 105           | 25.23                          | Pass    |
|           |                         |              |           | 100          | 0             | 25.24                          | 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          | PI/2 BPSK | 1            | 0             | 26.1                           | Pass    |
|           |                         |              |           | 50           | 0             | 26.2                           | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 26.3                           | Pass    |
|           |                         |              |           | 50           | 0             | 26.4                           | Pass    |
|           |                         | HCH          | PI/2 BPSK | 1            | 50            | 26.5                           | Pass    |
|           |                         |              |           | 50           | 0             | 26.6                           | Pass    |
|           |                         |              | QPSK      | 1            | 50            | 26.7                           | Pass    |
|           |                         |              |           | 50           | 0             | 26.8                           | Pass    |
|           | 60                      | LCH          | PI/2 BPSK | 1            | 0             | 26.9                           | Pass    |
|           |                         |              |           | 162          | 0             | 26.10                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 26.11                          | Pass    |
|           |                         |              |           | 162          | 0             | 26.12                          | Pass    |
|           |                         | HCH          | PI/2 BPSK | 1            | 161           | 26.13                          | Pass    |
|           |                         |              |           | 162          | 0             | 26.14                          | Pass    |
|           |                         |              | QPSK      | 1            | 161           | 26.15                          | Pass    |
|           |                         |              |           | 162          | 0             | 26.16                          | Pass    |
|           | 100                     | LCH          | PI/2 BPSK | 1            | 0             | 26.17                          | Pass    |
|           |                         |              |           | 273          | 0             | 26.18                          | Pass    |
|           |                         |              | QPSK      | 1            | 0             | 26.19                          | Pass    |
|           |                         |              |           | 273          | 0             | 26.20                          | Pass    |
|           |                         | HCH          | PI/2 BPSK | 1            | 272           | 26.21                          | Pass    |
|           |                         |              |           | 273          | 0             | 26.22                          | Pass    |
|           |                         |              | QPSK      | 1            | 272           | 26.23                          | Pass    |
|           |                         |              |           | 273          | 0             | 26.24                          | 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 |
|---------------|--------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| DC_5A_n<br>7A | 10MHz(LTE)+<br>5MHz(NR)  | LCH          | PI/2 BPSK | 1            | 0             | 27.1                           | Pass    |
|               |                          |              |           | 25           | 0             | 27.2                           | Pass    |
|               |                          | LCH          | QPSK      | 1            | 0             | 27.3                           | Pass    |
|               |                          |              |           | 25           | 0             | 27.4                           | Pass    |
|               |                          | HCH          | PI/2 BPSK | 1            | 24            | 27.5                           | Pass    |
|               |                          |              |           | 25           | 0             | 27.6                           | Pass    |
|               | HCH                      | QPSK         | 1         | 24           | 27.7          | Pass                           |         |
|               |                          |              | 25        | 0            | 27.8          | Pass                           |         |
|               | 10MHz(LTE)+<br>15MHz(NR) | LCH          | PI/2 BPSK | 1            | 0             | 27.9                           | Pass    |
|               |                          |              |           | 75           | 0             | 27.10                          | Pass    |
|               |                          | LCH          | QPSK      | 1            | 0             | 27.11                          | Pass    |
|               |                          |              |           | 75           | 0             | 27.12                          | Pass    |
|               |                          | HCH          | PI/2 BPSK | 1            | 78            | 27.13                          | Pass    |
|               |                          |              |           | 75           | 0             | 27.14                          | Pass    |
|               | HCH                      | QPSK         | 1         | 78           | 27.15         | Pass                           |         |
|               |                          |              | 75        | 0            | 27.16         | Pass                           |         |
|               | 10MHz(LTE)+<br>20MHz(NR) | LCH          | PI/2 BPSK | 1            | 0             | 27.17                          | Pass    |
|               |                          |              |           | 100          | 0             | 27.18                          | Pass    |
|               |                          | LCH          | QPSK      | 1            | 0             | 27.19                          | Pass    |
|               |                          |              |           | 100          | 0             | 27.20                          | Pass    |
|               |                          | HCH          | PI/2 BPSK | 1            | 105           | 27.21                          | Pass    |
|               |                          |              |           | 100          | 0             | 27.22                          | Pass    |
|               | HCH                      | QPSK         | 1         | 105          | 27.23         | Pass                           |         |
|               |                          |              | 100       | 0            | 27.24         | 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 |
|---------------|--------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| DC_7A_n<br>5A | 20MHz(LTE)+<br>5MHz(NR)  | LCH          | PI/2 BPSK | 1            | 0             | 28.1                           | Pass    |
|               |                          |              |           | 25           | 0             | 28.2                           | Pass    |
|               |                          | LCH          | QPSK      | 1            | 0             | 28.3                           | Pass    |
|               |                          |              |           | 25           | 0             | 28.4                           | Pass    |
|               |                          | HCH          | PI/2 BPSK | 1            | 24            | 28.5                           | Pass    |
|               |                          |              |           | 25           | 0             | 28.6                           | Pass    |
|               | HCH                      | QPSK         | 1         | 24           | 28.7          | Pass                           |         |
|               |                          |              | 25        | 0            | 28.8          | Pass                           |         |
|               | 20MHz(LTE)+<br>15MHz(NR) | LCH          | PI/2 BPSK | 1            | 0             | 28.9                           | Pass    |
|               |                          |              |           | 75           | 0             | 28.10                          | Pass    |
|               |                          | LCH          | QPSK      | 1            | 0             | 28.11                          | Pass    |
|               |                          |              |           | 75           | 0             | 28.12                          | Pass    |
|               |                          | HCH          | PI/2 BPSK | 1            | 78            | 28.13                          | Pass    |
|               |                          |              |           | 75           | 0             | 28.14                          | Pass    |
|               | HCH                      | QPSK         | 1         | 78           | 28.15         | Pass                           |         |
|               |                          |              | 75        | 0            | 28.16         | Pass                           |         |
|               | 20MHz(LTE)+<br>20MHz(NR) | LCH          | PI/2 BPSK | 1            | 0             | 28.17                          | Pass    |
|               |                          |              |           | 100          | 0             | 28.18                          | Pass    |
|               |                          | LCH          | QPSK      | 1            | 0             | 28.19                          | Pass    |
|               |                          |              |           | 100          | 0             | 28.20                          | Pass    |
|               |                          | HCH          | PI/2 BPSK | 1            | 105           | 28.21                          | Pass    |
|               |                          |              |           | 100          | 0             | 28.22                          | Pass    |
|               | HCH                      | QPSK         | 1         | 105          | 28.23         | Pass                           |         |
|               |                          |              | 100       | 0            | 28.24         | 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 |
|---------------|--------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| DC_7A_n<br>7A | 20MHz(LTE)+<br>5MHz(NR)  | LCH          | PI/2 BPSK | 1            | 0             | 29.1                           | Pass    |
|               |                          |              |           | 25           | 0             | 29.2                           | Pass    |
|               |                          | HCH          | PI/2 BPSK | 1            | 24            | 29.5                           | Pass    |
|               |                          |              |           | 25           | 0             | 29.6                           | Pass    |
|               |                          | LCH          | QPSK      | 1            | 0             | 29.3                           | Pass    |
|               |                          |              |           | 25           | 0             | 29.4                           | Pass    |
|               | 20MHz(LTE)+<br>15MHz(NR) | LCH          | PI/2 BPSK | 1            | 0             | 29.9                           | Pass    |
|               |                          |              |           | 75           | 0             | 29.10                          | Pass    |
|               |                          | HCH          | PI/2 BPSK | 1            | 78            | 29.13                          | Pass    |
|               |                          |              |           | 75           | 0             | 29.14                          | Pass    |
|               |                          | LCH          | QPSK      | 1            | 0             | 29.11                          | Pass    |
|               |                          |              |           | 75           | 0             | 29.12                          | Pass    |
|               | HCH                      | QPSK         | 1         | 78           | 29.15         | Pass                           |         |
|               |                          |              | 75        | 0            | 29.16         | Pass                           |         |
|               | 20MHz(LTE)+<br>20MHz(NR) | LCH          | PI/2 BPSK | 1            | 0             | 29.17                          | Pass    |
|               |                          |              |           | 100          | 0             | 29.18                          | Pass    |
|               |                          | HCH          | PI/2 BPSK | 1            | 105           | 29.21                          | Pass    |
|               |                          |              |           | 100          | 0             | 29.22                          | Pass    |
|               |                          | LCH          | QPSK      | 1            | 0             | 29.19                          | Pass    |
|               |                          |              |           | 100          | 0             | 29.20                          | Pass    |
|               | HCH                      | QPSK         | 1         | 105          | 29.23         | Pass                           |         |
|               |                          |              | 100       | 0            | 29.24         | 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 |
|----------------|--------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| DC_7A_n<br>66A | 20MHz(LTE)+<br>5MHz(NR)  | LCH          | PI/2 BPSK | 1            | 0             | 30.1                           | Pass    |
|                |                          |              |           | 25           | 0             | 30.2                           | Pass    |
|                |                          |              | QPSK      | 1            | 0             | 30.3                           | Pass    |
|                |                          | 25           |           | 0            | 30.4          | Pass                           |         |
|                |                          | HCH          | PI/2 BPSK | 1            | 24            | 30.5                           | Pass    |
|                |                          |              |           | 25           | 0             | 30.6                           | Pass    |
|                | QPSK                     |              | 1         | 24           | 30.7          | Pass                           |         |
|                |                          | 25           | 0         | 30.8         | Pass          |                                |         |
|                | 20MHz(LTE)+<br>15MHz(NR) | LCH          | PI/2 BPSK | 1            | 0             | 30.9                           | Pass    |
|                |                          |              |           | 75           | 0             | 30.10                          | Pass    |
|                |                          |              | QPSK      | 1            | 0             | 30.11                          | Pass    |
|                |                          | 75           |           | 0            | 30.12         | Pass                           |         |
|                |                          | HCH          | PI/2 BPSK | 1            | 78            | 30.13                          | Pass    |
|                |                          |              |           | 75           | 0             | 30.14                          | Pass    |
|                | QPSK                     |              | 1         | 78           | 30.15         | Pass                           |         |
|                |                          | 75           | 0         | 30.16        | Pass          |                                |         |
|                | 20MHz(LTE)+<br>20MHz(NR) | LCH          | PI/2 BPSK | 1            | 0             | 30.17                          | Pass    |
|                |                          |              |           | 100          | 0             | 30.18                          | Pass    |
|                |                          |              | QPSK      | 1            | 0             | 30.19                          | Pass    |
|                |                          | 100          |           | 0            | 30.20         | Pass                           |         |
|                |                          | HCH          | PI/2 BPSK | 1            | 105           | 30.21                          | Pass    |
|                |                          |              |           | 100          | 0             | 30.22                          | Pass    |
|                | QPSK                     |              | 1         | 105          | 30.23         | Pass                           |         |
|                |                          | 100          | 0         | 30.24        | 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 |
|------------|-------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| DC_66A_n7A | 20MHz(LTE)+5MHz(NR)     | LCH          | PI/2 BPSK | 1            | 0             | 31.1                           | Pass    |
|            |                         |              |           | 25           | 0             | 31.2                           | Pass    |
|            |                         | LCH          | QPSK      | 1            | 0             | 31.3                           | Pass    |
|            |                         |              |           | 25           | 0             | 31.4                           | Pass    |
|            |                         | HCH          | PI/2 BPSK | 1            | 24            | 31.5                           | Pass    |
|            |                         |              |           | 25           | 0             | 31.6                           | Pass    |
|            | HCH                     | QPSK         | 1         | 24           | 31.7          | Pass                           |         |
|            |                         |              | 25        | 0            | 31.8          | Pass                           |         |
|            | 20MHz(LTE)+15MHz(NR)    | LCH          | PI/2 BPSK | 1            | 0             | 31.9                           | Pass    |
|            |                         |              |           | 75           | 0             | 31.10                          | Pass    |
|            |                         | LCH          | QPSK      | 1            | 0             | 31.11                          | Pass    |
|            |                         |              |           | 75           | 0             | 31.12                          | Pass    |
|            |                         | HCH          | PI/2 BPSK | 1            | 78            | 31.13                          | Pass    |
|            |                         |              |           | 75           | 0             | 31.14                          | Pass    |
|            | HCH                     | QPSK         | 1         | 78           | 31.15         | Pass                           |         |
|            |                         |              | 75        | 0            | 31.16         | Pass                           |         |
|            | 20MHz(LTE)+20MHz(NR)    | LCH          | PI/2 BPSK | 1            | 0             | 31.17                          | Pass    |
|            |                         |              |           | 100          | 0             | 31.18                          | Pass    |
|            |                         | LCH          | QPSK      | 1            | 0             | 31.19                          | Pass    |
|            |                         |              |           | 100          | 0             | 31.20                          | Pass    |
|            |                         | HCH          | PI/2 BPSK | 1            | 105           | 31.21                          | Pass    |
|            |                         |              |           | 100          | 0             | 31.22                          | Pass    |
|            | HCH                     | QPSK         | 1         | 105          | 31.23         | Pass                           |         |
|            |                         |              | 100       | 0            | 31.24         | 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 |
|-------------|-------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| DC_66A_n66A | 20MHz(LTE)+5MHz(NR)     | LCH          | PI/2 BPSK | 1            | 0             | 32.1                           | Pass    |
|             |                         |              |           | 25           | 0             | 32.2                           | Pass    |
|             |                         | LCH          | QPSK      | 1            | 0             | 32.3                           | Pass    |
|             |                         |              |           | 25           | 0             | 32.4                           | Pass    |
|             |                         | HCH          | PI/2 BPSK | 1            | 24            | 32.5                           | Pass    |
|             |                         |              |           | 25           | 0             | 32.6                           | Pass    |
|             | HCH                     | QPSK         | 1         | 24           | 32.7          | Pass                           |         |
|             |                         |              | 25        | 0            | 32.8          | Pass                           |         |
|             | 20MHz(LTE)+15MHz(NR)    | LCH          | PI/2 BPSK | 1            | 0             | 32.9                           | Pass    |
|             |                         |              |           | 75           | 0             | 32.10                          | Pass    |
|             |                         | LCH          | QPSK      | 1            | 0             | 32.11                          | Pass    |
|             |                         |              |           | 75           | 0             | 32.12                          | Pass    |
|             |                         | HCH          | PI/2 BPSK | 1            | 78            | 32.13                          | Pass    |
|             |                         |              |           | 75           | 0             | 32.14                          | Pass    |
|             | HCH                     | QPSK         | 1         | 78           | 32.15         | Pass                           |         |
|             |                         |              | 75        | 0            | 32.16         | Pass                           |         |
|             | 20MHz(LTE)+20MHz(NR)    | LCH          | PI/2 BPSK | 1            | 0             | 32.17                          | Pass    |
|             |                         |              |           | 100          | 0             | 32.18                          | Pass    |
|             |                         | LCH          | QPSK      | 1            | 0             | 32.19                          | Pass    |
|             |                         |              |           | 100          | 0             | 32.20                          | Pass    |
|             |                         | HCH          | PI/2 BPSK | 1            | 105           | 32.21                          | Pass    |
|             |                         |              |           | 100          | 0             | 32.22                          | Pass    |
|             | HCH                     | QPSK         | 1         | 105          | 32.23         | Pass                           |         |
|             |                         |              | 100       | 0            | 32.24         | 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-SZ21A0580-501 Data Part 5.pdf".

### 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        | MCH          | QPSK      | RB1#0                 | 8.1                            | Pass    |
|                  | 3 MHz          | MCH          | QPSK      | RB1#0                 | 8.2                            | Pass    |
|                  | 5 MHz          | MCH          | QPSK      | RB1#0                 | 8.3                            | Pass    |
|                  | 10 MHz         | MCH          | QPSK      | RB1#0                 | 8.4                            | Pass    |
|                  | 15 MHz         | MCH          | QPSK      | RB1#0                 | 8.5                            | Pass    |
|                  | 20 MHz         | MCH          | QPSK      | RB1#0                 | 8.6                            | Pass    |
| Band 4           | 1.4 MHz        | MCH          | QPSK      | RB1#0                 | 9.1                            | Pass    |
|                  | 3 MHz          | MCH          | QPSK      | RB1#0                 | 9.2                            | Pass    |
|                  | 5 MHz          | MCH          | QPSK      | RB1#0                 | 9.3                            | Pass    |
|                  | 10 MHz         | MCH          | QPSK      | RB1#0                 | 9.4                            | Pass    |
|                  | 15 MHz         | MCH          | QPSK      | RB1#0                 | 9.5                            | Pass    |
|                  | 20 MHz         | MCH          | QPSK      | RB1#0                 | 9.6                            | Pass    |
| Band 5           | 1.4 MHz        | MCH          | QPSK      | RB1#0                 | 10.1                           | Pass    |
|                  | 3 MHz          | MCH          | QPSK      | RB1#0                 | 10.2                           | Pass    |
|                  | 5 MHz          | MCH          | QPSK      | RB1#0                 | 10.3                           | Pass    |
|                  | 10 MHz         | MCH          | QPSK      | RB1#0                 | 10.4                           | Pass    |
| Band 7           | 5 MHz          | MCH          | QPSK      | RB1#0                 | 11.1                           | Pass    |
|                  | 10 MHz         | MCH          | QPSK      | RB1#0                 | 11.2                           | Pass    |
|                  | 15 MHz         | MCH          | QPSK      | RB1#0                 | 11.3                           | Pass    |
|                  | 20 MHz         | MCH          | QPSK      | RB1#0                 | 11.4                           | Pass    |
| Band 12          | 1.4 MHz        | MCH          | QPSK      | RB1#0                 | 12.1                           | Pass    |
|                  | 3 MHz          | MCH          | QPSK      | RB1#0                 | 12.2                           | Pass    |
|                  | 5 MHz          | MCH          | QPSK      | RB1#0                 | 12.3                           | Pass    |
|                  | 10 MHz         | MCH          | QPSK      | RB1#0                 | 12.4                           | Pass    |
| Band 17          | 5 MHz          | MCH          | QPSK      | RB1#0                 | 13.1                           | Pass    |
|                  | 10 MHz         | MCH          | QPSK      | RB1#0                 | 13.2                           | Pass    |
| Band 26 (Part22) | 1.4 MHz        | MCH          | QPSK      | RB1#0                 | 14.1                           | Pass    |
|                  | 3 MHz          | MCH          | QPSK      | RB1#0                 | 14.2                           | Pass    |
|                  | 5 MHz          | MCH          | QPSK      | RB1#0                 | 14.3                           | Pass    |
|                  | 10 MHz         | MCH          | QPSK      | RB1#0                 | 14.4                           | Pass    |
|                  | 15 MHz         | MCH          | QPSK      | RB1#0                 | 14.5                           | Pass    |
| Band 26 (Part90) | 1.4 MHz        | MCH          | QPSK      | RB1#0                 | 15.1                           | Pass    |
|                  | 3 MHz          | MCH          | QPSK      | RB1#0                 | 15.2                           | Pass    |
|                  | 5 MHz          | MCH          | QPSK      | RB1#0                 | 15.3                           | Pass    |
|                  | 10 MHz         | MCH          | QPSK      | RB1#0                 | 15.4                           | Pass    |
| Band 38          | 5 MHz          | MCH          | QPSK      | RB1#0                 | 16.1                           | Pass    |
|                  | 10 MHz         | MCH          | QPSK      | RB1#0                 | 16.2                           | Pass    |
|                  | 15 MHz         | MCH          | QPSK      | RB1#0                 | 16.3                           | Pass    |
|                  | 20 MHz         | MCH          | QPSK      | RB1#0                 | 16.4                           | Pass    |
| Band 41          | 5 MHz          | MCH          | QPSK      | RB1#0                 | 17.1                           | Pass    |
|                  | 10 MHz         | MCH          | QPSK      | RB1#0                 | 17.2                           | Pass    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note3</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
|           | 15 MHz         | MCH          | QPSK      | RB1#0                 | 17.3                           | Pass    |
|           | 20 MHz         | MCH          | QPSK      | RB1#0                 | 17.4                           | Pass    |
| Band 66   | 1.4 MHz        | MCH          | QPSK      | RB1#0                 | 18.1                           | Pass    |
|           | 3 MHz          | MCH          | QPSK      | RB1#0                 | 18.2                           | Pass    |
|           | 5 MHz          | MCH          | QPSK      | RB1#0                 | 18.3                           | Pass    |
|           | 10 MHz         | MCH          | QPSK      | RB1#0                 | 18.4                           | Pass    |
|           | 15 MHz         | MCH          | QPSK      | RB1#0                 | 18.5                           | Pass    |
|           | 20 MHz         | MCH          | QPSK      | RB1#0                 | 18.6                           | 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      | 99     | 1      | 0      | 19.1                           | Pass    |
|              | 16-QAM     | 1      | 99     | 1      | 0      | 19.2                           | Pass    |
| Mid          | QPSK       | 1      | 99     | 1      | 0      | 19.3                           | Pass    |
|              | 16-QAM     | 1      | 99     | 1      | 0      | 19.4                           | Pass    |
| High         | QPSK       | 1      | 99     | 1      | 0      | 19.5                           | Pass    |
|              | 16-QAM     | 1      | 99     | 1      | 0      | 19.6                           | Pass    |
| 20MHz+20MHz  |            |        |        |        |        |                                |         |
| Low          | QPSK       | 1      | 99     | 1      | 0      | 19.7                           | Pass    |
|              | 16-QAM     | 1      | 99     | 1      | 0      | 19.8                           | Pass    |
| Mid          | QPSK       | 1      | 99     | 1      | 0      | 19.9                           | Pass    |
|              | 16-QAM     | 1      | 99     | 1      | 0      | 19.10                          | Pass    |
| High         | QPSK       | 1      | 99     | 1      | 0      | 19.11                          | Pass    |
|              | 16-QAM     | 1      | 99     | 1      | 0      | 19.12                          | 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      | 74     | 1      | 0      | 20.1                           | Pass    |
|               | 16-QAM     | 1      | 74     | 1      | 0      | 20.2                           | Pass    |
| Mid           | QPSK       | 1      | 74     | 1      | 0      | 20.3                           | Pass    |
|               | 16-QAM     | 1      | 74     | 1      | 0      | 20.4                           | Pass    |
| High          | QPSK       | 1      | 74     | 1      | 0      | 20.5                           | Pass    |
|               | 16-QAM     | 1      | 74     | 1      | 0      | 20.6                           | Pass    |
| 20MHz+20MHz   |            |        |        |        |        |                                |         |
| Low           | QPSK       | 1      | 99     | 1      | 0      | 20.7                           | Pass    |
|               | 16-QAM     | 1      | 99     | 1      | 0      | 20.8                           | Pass    |
| Mid           | QPSK       | 1      | 99     | 1      | 0      | 20.9                           | Pass    |
|               | 16-QAM     | 1      | 99     | 1      | 0      | 20.10                          | Pass    |
| High          | QPSK       | 1      | 99     | 1      | 0      | 20.11                          | Pass    |
|               | 16-QAM     | 1      | 99     | 1      | 0      | 20.12                          | 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      | 99     | 1      | 0      | 21.1                           | Pass    |
|               | 16-QAM     | 1      | 99     | 1      | 0      | 21.2                           | Pass    |
| Mid           | QPSK       | 1      | 99     | 1      | 0      | 21.3                           | Pass    |
|               | 16-QAM     | 1      | 99     | 1      | 0      | 21.4                           | Pass    |
| High          | QPSK       | 1      | 99     | 1      | 0      | 21.5                           | Pass    |
|               | 16-QAM     | 1      | 99     | 1      | 0      | 21.6                           | Pass    |
| 20MHz+20MHz   |            |        |        |        |        |                                |         |
| Low           | QPSK       | 1      | 99     | 1      | 0      | 21.7                           | Pass    |
|               | 16-QAM     | 1      | 99     | 1      | 0      | 21.8                           | Pass    |
| Mid           | QPSK       | 1      | 99     | 1      | 0      | 21.9                           | Pass    |
|               | 16-QAM     | 1      | 99     | 1      | 0      | 21.10                          | Pass    |
| High          | QPSK       | 1      | 99     | 1      | 0      | 21.11                          | Pass    |
|               | 16-QAM     | 1      | 99     | 1      | 0      | 21.12                          | 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                       | MCH          | PI/2 BPSK | 12           | 6             | 22.1                           | Pass    |
|           | 15                      | MCH          | PI/2 BPSK | 36           | 18            | 22.2                           | Pass    |
|           | 20                      | MCH          | PI/2 BPSK | 50           | 25            | 22.3                           | Pass    |
|           | 5                       | MCH          | QPSK      | 12           | 6             | 22.4                           | Pass    |
|           | 15                      | MCH          | QPSK      | 36           | 18            | 22.5                           | Pass    |
|           | 20                      | MCH          | QPSK      | 50           | 25            | 22.6                           | 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                       | MCH          | PI/2 BPSK | 12           | 6             | 23.1                           | Pass    |
|           | 15                      | MCH          | PI/2 BPSK | 36           | 18            | 23.2                           | Pass    |
|           | 20                      | MCH          | PI/2 BPSK | 50           | 25            | 23.3                           | Pass    |
|           | 5                       | MCH          | QPSK      | 12           | 6             | 23.4                           | Pass    |
|           | 15                      | MCH          | QPSK      | 36           | 18            | 23.5                           | Pass    |
|           | 20                      | MCH          | QPSK      | 50           | 25            | 23.6                           | 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                      | MCH          | PI/2 BPSK | 25           | 12            | 24.1                           | Pass    |
|           | 30                      | MCH          | PI/2 BPSK | 36           | 18            | 24.2                           | Pass    |
|           | 40                      | MCH          | PI/2 BPSK | 50           | 25            | 24.3                           | Pass    |
|           | 20                      | MCH          | QPSK      | 25           | 12            | 24.4                           | Pass    |
|           | 30                      | MCH          | QPSK      | 36           | 18            | 24.5                           | Pass    |
|           | 40                      | MCH          | QPSK      | 50           | 25            | 24.6                           | 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                      | MCH          | PI/2 BPSK | 25           | 12            | 25.1                           | Pass    |
|           | 60                      | MCH          | PI/2 BPSK | 81           | 40            | 25.2                           | Pass    |
|           | 100                     | MCH          | PI/2 BPSK | 135          | 67            | 25.3                           | Pass    |
|           | 20                      | MCH          | QPSK      | 25           | 12            | 25.4                           | Pass    |
|           | 60                      | MCH          | QPSK      | 81           | 40            | 25.5                           | Pass    |
|           | 100                     | MCH          | QPSK      | 135          | 67            | 25.6                           | 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 |
|-----------|-------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| DC_5A_n7A | 10MHz(LTE)+5MHz(NR)     | MCH          | PI/2 BPSK | 12           | 6             | 26.1                           | Pass    |
|           | 10MHz(LTE)+15MHz(NR)    | MCH          | PI/2 BPSK | 36           | 18            | 26.2                           | Pass    |
|           | 10MHz(LTE)+20MHz(NR)    | MCH          | PI/2 BPSK | 50           | 25            | 26.3                           | Pass    |
|           | 10MHz(LTE)+5MHz(NR)     | MCH          | QPSK      | 12           | 6             | 26.4                           | Pass    |
|           | 10MHz(LTE)+15MHz(NR)    | MCH          | QPSK      | 36           | 18            | 26.5                           | Pass    |
|           | 10MHz(LTE)+20MHz(NR)    | MCH          | QPSK      | 50           | 25            | 26.6                           | 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 |
|-----------|-------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| DC_7A_n5A | 20MHz(LTE)+5MHz(NR)     | MCH          | PI/2 BPSK | 12           | 6             | 27.1                           | Pass    |
|           | 20MHz(LTE)+15MHz(NR)    | MCH          | PI/2 BPSK | 36           | 18            | 27.2                           | Pass    |
|           | 20MHz(LTE)+20MHz(NR)    | MCH          | PI/2 BPSK | 50           | 25            | 27.3                           | Pass    |
|           | 20MHz(LTE)+5MHz(NR)     | MCH          | QPSK      | 12           | 6             | 27.4                           | Pass    |
|           | 20MHz(LTE)+15MHz(NR)    | MCH          | QPSK      | 36           | 18            | 27.5                           | Pass    |
|           | 20MHz(LTE)+20MHz(NR)    | MCH          | QPSK      | 50           | 25            | 27.6                           | 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 |
|-----------|-------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| DC_7A_n7A | 20MHz(LTE)+5MHz(NR)     | MCH          | PI/2 BPSK | 12           | 6             | 28.1                           | Pass    |
|           | 20MHz(LTE)+15MHz(NR)    | MCH          | PI/2 BPSK | 36           | 18            | 28.2                           | Pass    |
|           | 20MHz(LTE)+20MHz(NR)    | MCH          | PI/2 BPSK | 50           | 25            | 28.3                           | Pass    |
|           | 20MHz(LTE)+5MHz(NR)     | MCH          | QPSK      | 12           | 6             | 28.4                           | Pass    |
|           | 20MHz(LTE)+15MHz(NR)    | MCH          | QPSK      | 36           | 18            | 28.5                           | Pass    |
|           | 20MHz(LTE)+20MHz(NR)    | MCH          | QPSK      | 50           | 25            | 28.6                           | 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 |
|----------------|-------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| DC_7A_n66<br>A | 20MHz(LTE)+5MHz(NR)     | MCH          | PI/2 BPSK | 12           | 6             | 29.1                           | Pass    |
|                | 20MHz(LTE)+15MHz(NR)    | MCH          | PI/2 BPSK | 36           | 18            | 29.2                           | Pass    |
|                | 20MHz(LTE)+20MHz(NR)    | MCH          | PI/2 BPSK | 50           | 25            | 29.3                           | Pass    |
|                | 20MHz(LTE)+5MHz(NR)     | MCH          | QPSK      | 12           | 6             | 29.4                           | Pass    |
|                | 20MHz(LTE)+15MHz(NR)    | MCH          | QPSK      | 36           | 18            | 29.5                           | Pass    |
|                | 20MHz(LTE)+20MHz(NR)    | MCH          | QPSK      | 50           | 25            | 29.6                           | 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 |
|----------------|--------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| DC_66A_n7<br>A | 20MHz(LTE)+<br>5MHz(NR)  | MCH          | PI/2 BPSK | 12           | 6             | 30.1                           | Pass    |
|                | 20MHz(LTE)+<br>15MHz(NR) | MCH          | PI/2 BPSK | 36           | 18            | 30.2                           | Pass    |
|                | 20MHz(LTE)+<br>20MHz(NR) | MCH          | PI/2 BPSK | 50           | 25            | 30.3                           | Pass    |
|                | 20MHz(LTE)+<br>5MHz(NR)  | MCH          | QPSK      | 12           | 6             | 30.4                           | Pass    |
|                | 20MHz(LTE)+<br>15MHz(NR) | MCH          | QPSK      | 36           | 18            | 30.5                           | Pass    |
|                | 20MHz(LTE)+<br>20MHz(NR) | MCH          | QPSK      | 50           | 25            | 30.6                           | 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 |
|-----------------|--------------------------|--------------|-----------|--------------|---------------|--------------------------------|---------|
| DC_66A_n6<br>6A | 20MHz(LTE)+<br>5MHz(NR)  | MCH          | PI/2 BPSK | 12           | 6             | 31.1                           | Pass    |
|                 | 20MHz(LTE)+<br>15MHz(NR) | MCH          | PI/2 BPSK | 36           | 18            | 31.2                           | Pass    |
|                 | 20MHz(LTE)+<br>20MHz(NR) | MCH          | PI/2 BPSK | 50           | 25            | 31.3                           | Pass    |
|                 | 20MHz(LTE)+<br>5MHz(NR)  | MCH          | QPSK      | 12           | 6             | 31.4                           | Pass    |
|                 | 20MHz(LTE)+<br>15MHz(NR) | MCH          | QPSK      | 36           | 18            | 31.5                           | Pass    |
|                 | 20MHz(LTE)+<br>20MHz(NR) | MCH          | QPSK      | 50           | 25            | 31.6                           | Pass    |

## **ANNEX B TEST SETUP PHOTOS**

Please refer to the document "BL-SZ21A0580-AR.PDF".

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer to the document "BL-SZ21A0580-AW.PDF".

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer to the document "BL-SZ21A0580-AI.PDF".

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