

# FCC RF TEST REPORT

For

**Mobile Computer**

**Model Number: M52 Luna**

**FCC ID: 2A398-M52Luna**

**Report Number : WT228000197**

|                 |   |                                                                |
|-----------------|---|----------------------------------------------------------------|
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## Test report declaration

Applicant : Suzhou MobyData Smart System Co., Ltd.  
Address : 3f,building E,Yida science Park,No.11 Jinpu Road,SIP,  
Suzhou,Jiangsu,China.  
Manufacturer : Suzhou MobyData Smart System Co., Ltd.  
Address : 3f,building E,Yida science Park,No.11 Jinpu Road,SIP,  
Suzhou,Jiangsu,China.  
EUT Description : Mobile Computer  
  
Model No. : M52 Luna  
Trade mark : MobyData  
FCC ID : 2A398-M52

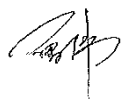
Test Standards:

**FCC PART 2, 22H , 24E , 27 & 90S (2020)**

The EUT described above is tested by Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory to determine the maximum emissions from the EUT. Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory is assumed full responsibility for the accuracy of the test results. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.26 (2015) & KDB971168 and the energy emitted by the sample EUT tested as described in this report is in compliance with FCC Rules Part 2, 22H, 24E, 27 & 90S.

The test report is valid for above tested sample only and shall not be reproduced in part without written approval of the laboratory.

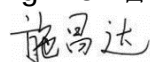
Project  
Engineer:



(Zeng Wei 曾伟)

Date: Mar.10, 2022

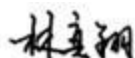
Checked by:



(Shi Changda 施昌达)

Date: Mar.10, 2022

Approved by:



(Lin Yixiang 林奕翔)

Date: Mar.10, 2022

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## 1. TEST RESULTS SUMMARY

| FCC Measurement Specification | Limits Part(s)                                                                       | Description                                | Result |
|-------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------|--------|
| 2.1046                        | 22.913<br>24.232<br>27.50(b)<br>27.50(c)<br>27.50(d)<br>27.50(h)<br>90.205<br>90.635 | Conducted Power & Effective Radiated Power | PASS   |
| 2.1046                        | 22.913<br>24.232<br>27.50(b)<br>27.50(c)<br>27.50(d)<br>27.50(h)                     | Peak to Average Ratio                      | PASS   |
| 2.1049                        | 22.917(b)<br>24.238(b)<br>27.53<br>90.209                                            | Occupied Bandwidth & Emission Bandwidth    | PASS   |
| 2.1051                        | 22.917<br>24.238<br>27.53<br>90.691                                                  | Conducted Spurious Emissions               | PASS   |
| 2.1051                        | 22.917<br>24.238<br>27.53<br>90.691                                                  | Conducted Band Edge                        | PASS   |
| 2.1055                        | 22.355<br>24.235<br>27.54<br>90.213                                                  | Frequency Stability                        | PASS   |
| 2.1053                        | 22.917<br>24.238<br>27.53<br>90.691                                                  | Radiated Spurious Emissions                | PASS   |

Remark: "N/A" means "Not applicable."

The tests documented in this report were performed in accordance with ANSI C63.26 (2015), FCC PART 22H, 24E, 27 & 90S.

## **2. GENERAL INFORMATION**

### **2.1. Report information**

This report is not a certificate of quality; it only applies to the sample of the specific product/equipment given at the time of its testing. The results are not used to indicate or imply that they are application to the similar items. In addition, such results must not be used to indicate or imply that SMQ approves recommends or endorses the manufacture, supplier or use of such product/equipment, or that SMQ in any way guarantees the later performance of the product/equipment.

The samples mentioned in this report is/are supplied by Applicant, SMQ therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture or any information supplied.

Additional copies of the report are available to the Applicant at an additional fee. No third part can obtain a copy of this report through SMQ, unless the applicant has authorized SMQ in writing to do so.

The lab will not be liable for any loss or damage resulting from false, inaccurate, inappropriate or incomplete product information provided by the applicant/manufacturer.

### **2.2. Laboratory Accreditation and Relationship to Customer**

The testing report were performed by the Shenzhen Academy of Metrology and quality Inspection EMC Laboratory (Guangdong EMC compliance testing center), in their facilities located at NETC Building, No.4 Tongfa Rd., Xili, Nanshan, Shenzhen, China. At the time of testing, Laboratory is accredited by the following organizations:

China National Accreditation Service for Conformity Assessment (CNAS) accredits the Laboratory for conformance to FCC standards, EMC international standards and EN standards. The Registration Number is CNAS L0579.

The Laboratory is Accredited Testing Laboratory of FCC with Designation number CN1165 and Site registration number 582918.

The Laboratory is registered to perform emission tests with Innovation, Science and Economic Development (ISED), and the registration number is 11177A.

The Laboratory is registered to perform emission tests with VCCI, and the registration number are C-20048, G20076, R-20077, R-20078, and T-20047.

The Laboratory is Accredited Testing Laboratory of American Association for Laboratory Accreditation (A2LA) and certificate number is 3292.01.

### 3. PRODUCT DESCRIPTION

#### 3.1.EUT Description

Specification of the Equipment under Test

|                        |                                                    |                 |
|------------------------|----------------------------------------------------|-----------------|
| Hardware Revision:     | H236WO_V02                                         |                 |
| Software Revision:     | M09.01.03.20220124                                 |                 |
| Tx Frequency:          | GSM850:                                            | 824 ~ 849 MHz   |
|                        | PCS1900:                                           | 1850 ~ 1910 MHz |
|                        | WCDMA 850:                                         | 824 ~ 849 MHz   |
|                        | WCDMA 1900:                                        | 1850 ~ 1910 MHz |
|                        | LTE Band 2:                                        | 1850 ~ 1910 MHz |
|                        | LTE Band 4:                                        | 1710 ~ 1755 MHz |
|                        | LTE Band 5:                                        | 824 ~ 849 MHz   |
|                        | LTE Band 7:                                        | 2500 ~ 2570 MHz |
|                        | LTE Band 12:                                       | 699 ~ 716 MHz   |
|                        | LTE Band 26:                                       | 814 ~ 849 MHz   |
|                        |                                                    |                 |
| Rx Frequency:          | GSM850:                                            | 869 ~ 894 MHz   |
|                        | PCS1900:                                           | 1930 ~ 1990 MHz |
|                        | WCDMA 850:                                         | 869 ~ 894 MHz   |
|                        | WCDMA 1900:                                        | 1930 ~ 1990 MHz |
|                        | LTE Band 2:                                        | 1930 ~ 1990 MHz |
|                        | LTE Band 4:                                        | 2110 ~ 2155 MHz |
|                        | LTE Band 5:                                        | 869 ~ 894 MHz   |
|                        | LTE Band 7:                                        | 2620 ~ 2690 MHz |
|                        | LTE Band 12:                                       | 729 ~ 746 MHz   |
|                        | LTE Band 26:                                       | 859 ~ 894 MHz   |
| Type(s) of Modulation: | GSM: GMSK, 8PSK<br>WCDMA: QPSK<br>LTE: QPSK, 16QAM |                 |
| Remark:                | --                                                 |                 |

|                      |                                                  |          |
|----------------------|--------------------------------------------------|----------|
| Antenna Type:        | PIFA antenna                                     |          |
| Antenna Gain:        | GSM850:                                          | 0.54 dBi |
|                      | PCS1900:                                         | 0.7 dBi  |
|                      | WCDMA 850:                                       | 0.54 dBi |
|                      | WCDMA 1900:                                      | 0.7 dBi  |
|                      | LTE Band 2:                                      | 0.7 dBi  |
|                      | LTE Band 4:                                      | 0.76 dBi |
|                      | LTE Band 5:                                      | 0.54 dBi |
|                      | LTE Band 7:                                      | 1.14 dBi |
|                      | LTE Band 12:                                     | 0.48 dBi |
|                      | LTE Band 26:                                     | 0.52 dBi |
| Power Supply Voltage | DC: 3.60 V (Low)/ 3.80 V (Nominal)/ 4.35 V (Max) |          |

NOTE: The extreme test conditions for temperature and antenna gain were declared by the manufacturer.

### 3.2. Identification of Accessory equipment

| AE # | Type | Manufacturer | Model | Serial Number |
|------|------|--------------|-------|---------------|
| --   | --   | --           | --    | --            |

### 3.3. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: 2A398-M52 filing to comply with FCC PART 2, 22H, 24E, 27 and 90S.

### 3.4. Operating Condition of EUT

During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission (Y plane).

Radiated spurious emissions were investigated below 30MHz, 30MHz-1GHz and above 1GHz. There were no emissions found on below 30MHz and 30MHz-1GHz.

- TM1:** GSM Mode with GMSK Modulation
- TM2:** EDGE Mode with 8PSK Modulation
- TM3:** WCDMA Mode with QPSK Modulation
- TM4:** LTE Mode with QPSK Modulation
- TM5:** LTE Mode with 16QAM Modulation

### 3.5. Conducted Power

#### GSM:

| Band: GSM850            | Measured (dBm) |              |              |
|-------------------------|----------------|--------------|--------------|
| Test Condition          | TNVN           |              |              |
| Channel                 | 128            | 190          | 251          |
| Frequency (MHz)         | 824.2          | 836.6        | 848.8        |
| GSM (GMSK, 1 Tx slot)   | <b>32.75</b>   | <b>32.92</b> | <b>32.77</b> |
| GPRS (GMSK, 1 Tx slot)  | <b>32.77</b>   | <b>32.93</b> | <b>32.78</b> |
| GPRS (GMSK, 2 Tx slots) | 31.99          | 32.16        | 32.03        |
| GPRS (GMSK, 3 Tx slots) | 30.25          | 30.45        | 30.24        |
| GPRS (GMSK, 4 Tx slots) | 29.18          | 29.41        | 29.17        |
| EDGE (8PSK, 1 Tx slot)  | <b>25.56</b>   | <b>25.62</b> | <b>25.59</b> |
| EDGE (8PSK, 2 Tx slots) | 24.18          | 24.29        | 24.15        |
| EDGE (8PSK, 3 Tx slots) | 21.90          | 21.91        | 21.89        |
| EDGE (8PSK, 4 Tx slots) | 20.68          | 20.77        | 20.68        |

| Band: PCS1900           | Measured (dBm) |              |              |
|-------------------------|----------------|--------------|--------------|
| Test Condition          | TNVN           |              |              |
| Channel                 | 512            | 661          | 810          |
| Frequency (MHz)         | 1850.2         | 1880         | 1909.8       |
| GSM (GMSK, 1 Tx slot)   | <b>29.64</b>   | <b>29.64</b> | <b>29.66</b> |
| GPRS (GMSK, 1 Tx slot)  | <b>29.65</b>   | <b>29.63</b> | <b>29.69</b> |
| GPRS (GMSK, 2 Tx slots) | 28.93          | 28.93        | 28.95        |
| GPRS (GMSK, 3 Tx slots) | 27.18          | 27.18        | 27.25        |
| GPRS (GMSK, 4 Tx slots) | 26.14          | 26.10        | 26.14        |
| EDGE (8PSK, 1 Tx slot)  | <b>24.59</b>   | <b>24.38</b> | <b>24.40</b> |
| EDGE (8PSK, 2 Tx slots) | 22.75          | 22.63        | 22.62        |
| EDGE (8PSK, 3 Tx slots) | 20.32          | 20.31        | 20.30        |
| EDGE (8PSK, 4 Tx slots) | 18.95          | 18.94        | 18.92        |

#### WCDMA:

| Band: WCDMA Band II | Average Power [dBm] |        |        |
|---------------------|---------------------|--------|--------|
| Channel             | 9262                | 9400   | 9538   |
| Frequency (MHz)     | 1852.4              | 1880.0 | 1907.6 |
| RMC 12.2K           | 22.92               | 22.95  | 23.07  |
| HSDPA Subtest-1     | 21.92               | 21.94  | 22.08  |
| HSDPA Subtest-2     | 21.30               | 21.24  | 21.40  |
| HSDPA Subtest-3     | 21.18               | 21.24  | 21.35  |

|                        |       |       |       |
|------------------------|-------|-------|-------|
| <b>HSDPA Subtest-4</b> | 21.10 | 21.22 | 21.25 |
| <b>HSUPA Subtest-1</b> | 20.17 | 20.62 | 20.75 |
| <b>HSUPA Subtest-2</b> | 19.69 | 19.73 | 19.81 |
| <b>HSUPA Subtest-3</b> | 20.68 | 20.65 | 20.81 |
| <b>HSUPA Subtest-4</b> | 19.27 | 19.25 | 19.41 |
| <b>HSUPA Subtest-5</b> | 20.63 | 20.62 | 20.75 |

| <b>Band: WCDMA Band V</b> | <b>Average Power [dBm]</b> |              |              |
|---------------------------|----------------------------|--------------|--------------|
| <b>Channel</b>            | <b>4,132</b>               | <b>4,182</b> | <b>4,233</b> |
| <b>Frequency (MHz)</b>    | <b>826.4</b>               | <b>836.4</b> | <b>846.6</b> |
| <b>RMC 12.2K</b>          | <b>23.08</b>               | <b>23.17</b> | <b>23.18</b> |
| <b>HSDPA Subtest-1</b>    | 22.13                      | 22.17        | 22.16        |
| <b>HSDPA Subtest-2</b>    | 21.40                      | 21.45        | 21.41        |
| <b>HSDPA Subtest-3</b>    | 21.33                      | 21.37        | 21.30        |
| <b>HSDPA Subtest-4</b>    | 21.23                      | 21.26        | 21.24        |
| <b>HSUPA Subtest-1</b>    | 20.25                      | 19.81        | 19.77        |
| <b>HSUPA Subtest-2</b>    | 19.87                      | 19.90        | 19.92        |
| <b>HSUPA Subtest-3</b>    | 20.77                      | 20.76        | 20.81        |
| <b>HSUPA Subtest-4</b>    | 19.34                      | 19.41        | 19.38        |
| <b>HSUPA Subtest-5</b>    | 20.76                      | 20.80        | 20.85        |

#### **LTE:**

| Band  | Bandwidth | Modulation | Channel | RB Config. | Power (dBm) | Verdict |
|-------|-----------|------------|---------|------------|-------------|---------|
| Band2 | 1.4MHz    | QPSK       | 18607   | 1RB#0      | 23.80       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 1RB#3      | 23.89       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 1RB#5      | 23.74       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 3RB#0      | 23.54       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 3RB#1      | 23.43       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 3RB#3      | 23.87       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 6RB#0      | 22.39       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 1RB#0      | 23.28       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 1RB#3      | 23.32       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 1RB#5      | 23.28       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 3RB#0      | 23.35       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 3RB#1      | 23.39       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 3RB#3      | 23.36       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 6RB#0      | 22.35       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 1RB#0      | 23.24       | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 1RB#3      | 23.32       | PASS    |

|       |        |       |       |        |       |      |
|-------|--------|-------|-------|--------|-------|------|
| Band2 | 1.4MHz | QPSK  | 19193 | 1RB#5  | 23.23 | PASS |
| Band2 | 1.4MHz | QPSK  | 19193 | 3RB#0  | 23.33 | PASS |
| Band2 | 1.4MHz | QPSK  | 19193 | 3RB#1  | 23.39 | PASS |
| Band2 | 1.4MHz | QPSK  | 19193 | 3RB#3  | 23.37 | PASS |
| Band2 | 1.4MHz | QPSK  | 19193 | 6RB#0  | 22.34 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 1RB#0  | 23.03 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 1RB#3  | 23.03 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 1RB#5  | 22.78 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 3RB#0  | 22.69 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 3RB#1  | 22.57 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 3RB#3  | 22.50 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 6RB#0  | 21.44 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 1RB#0  | 22.58 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 1RB#3  | 22.60 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 1RB#5  | 22.45 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 3RB#0  | 22.45 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 3RB#1  | 22.48 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 3RB#3  | 22.43 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 6RB#0  | 21.46 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 1RB#0  | 22.51 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 1RB#3  | 22.46 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 1RB#5  | 22.51 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 3RB#0  | 22.34 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 3RB#1  | 22.40 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 3RB#3  | 22.34 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 6RB#0  | 21.37 | PASS |
| Band2 | 3MHz   | QPSK  | 18615 | 1RB#0  | 24.06 | PASS |
| Band2 | 3MHz   | QPSK  | 18615 | 1RB#7  | 24.24 | PASS |
| Band2 | 3MHz   | QPSK  | 18615 | 1RB#14 | 24.10 | PASS |
| Band2 | 3MHz   | QPSK  | 18615 | 8RB#0  | 23.08 | PASS |
| Band2 | 3MHz   | QPSK  | 18615 | 8RB#4  | 23.10 | PASS |
| Band2 | 3MHz   | QPSK  | 18615 | 8RB#7  | 23.08 | PASS |
| Band2 | 3MHz   | QPSK  | 18615 | 15RB#0 | 23.05 | PASS |
| Band2 | 3MHz   | QPSK  | 18900 | 1RB#0  | 24.00 | PASS |
| Band2 | 3MHz   | QPSK  | 18900 | 1RB#7  | 24.10 | PASS |
| Band2 | 3MHz   | QPSK  | 18900 | 1RB#14 | 24.00 | PASS |
| Band2 | 3MHz   | QPSK  | 18900 | 8RB#0  | 23.03 | PASS |
| Band2 | 3MHz   | QPSK  | 18900 | 8RB#4  | 23.06 | PASS |
| Band2 | 3MHz   | QPSK  | 18900 | 8RB#7  | 23.03 | PASS |
| Band2 | 3MHz   | QPSK  | 18900 | 15RB#0 | 23.03 | PASS |
| Band2 | 3MHz   | QPSK  | 19185 | 1RB#0  | 24.00 | PASS |
| Band2 | 3MHz   | QPSK  | 19185 | 1RB#7  | 24.09 | PASS |
| Band2 | 3MHz   | QPSK  | 19185 | 1RB#14 | 23.95 | PASS |
| Band2 | 3MHz   | QPSK  | 19185 | 8RB#0  | 23.02 | PASS |
| Band2 | 3MHz   | QPSK  | 19185 | 8RB#4  | 23.01 | PASS |

|       |      |       |       |         |       |      |
|-------|------|-------|-------|---------|-------|------|
| Band2 | 3MHz | QPSK  | 19185 | 8RB#7   | 22.97 | PASS |
| Band2 | 3MHz | QPSK  | 19185 | 15RB#0  | 23.02 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 1RB#0   | 23.26 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 1RB#7   | 23.38 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 1RB#14  | 23.36 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 8RB#0   | 22.15 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 8RB#4   | 22.13 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 8RB#7   | 22.12 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 15RB#0  | 22.03 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 1RB#0   | 23.24 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 1RB#7   | 23.29 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 1RB#14  | 23.26 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 8RB#0   | 22.13 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 8RB#4   | 22.11 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 8RB#7   | 22.09 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 15RB#0  | 22.02 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 1RB#0   | 23.21 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 1RB#7   | 23.25 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 1RB#14  | 23.11 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 8RB#0   | 22.08 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 8RB#4   | 22.02 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 8RB#7   | 22.00 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 15RB#0  | 21.97 | PASS |
| Band2 | 5MHz | QPSK  | 18625 | 1RB#0   | 23.84 | PASS |
| Band2 | 5MHz | QPSK  | 18625 | 1RB#12  | 24.18 | PASS |
| Band2 | 5MHz | QPSK  | 18625 | 1RB#24  | 23.89 | PASS |
| Band2 | 5MHz | QPSK  | 18625 | 12RB#0  | 22.95 | PASS |
| Band2 | 5MHz | QPSK  | 18625 | 12RB#6  | 23.03 | PASS |
| Band2 | 5MHz | QPSK  | 18625 | 12RB#13 | 22.98 | PASS |
| Band2 | 5MHz | QPSK  | 18625 | 25RB#0  | 22.97 | PASS |
| Band2 | 5MHz | QPSK  | 18900 | 1RB#0   | 23.83 | PASS |
| Band2 | 5MHz | QPSK  | 18900 | 1RB#12  | 24.10 | PASS |
| Band2 | 5MHz | QPSK  | 18900 | 1RB#24  | 23.82 | PASS |
| Band2 | 5MHz | QPSK  | 18900 | 12RB#0  | 22.94 | PASS |
| Band2 | 5MHz | QPSK  | 18900 | 12RB#6  | 22.99 | PASS |
| Band2 | 5MHz | QPSK  | 18900 | 12RB#13 | 22.90 | PASS |
| Band2 | 5MHz | QPSK  | 18900 | 25RB#0  | 22.96 | PASS |
| Band2 | 5MHz | QPSK  | 19175 | 1RB#0   | 23.82 | PASS |
| Band2 | 5MHz | QPSK  | 19175 | 1RB#12  | 24.10 | PASS |
| Band2 | 5MHz | QPSK  | 19175 | 1RB#24  | 23.78 | PASS |
| Band2 | 5MHz | QPSK  | 19175 | 12RB#0  | 22.97 | PASS |
| Band2 | 5MHz | QPSK  | 19175 | 12RB#6  | 23.03 | PASS |
| Band2 | 5MHz | QPSK  | 19175 | 12RB#13 | 22.87 | PASS |
| Band2 | 5MHz | QPSK  | 19175 | 25RB#0  | 22.98 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 1RB#0   | 23.05 | PASS |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band2 | 5MHz  | 16QAM | 18625 | 1RB#12  | 23.37 | PASS |
| Band2 | 5MHz  | 16QAM | 18625 | 1RB#24  | 23.06 | PASS |
| Band2 | 5MHz  | 16QAM | 18625 | 12RB#0  | 21.97 | PASS |
| Band2 | 5MHz  | 16QAM | 18625 | 12RB#6  | 22.05 | PASS |
| Band2 | 5MHz  | 16QAM | 18625 | 12RB#13 | 21.99 | PASS |
| Band2 | 5MHz  | 16QAM | 18625 | 25RB#0  | 21.96 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 1RB#0   | 23.01 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 1RB#12  | 23.30 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 1RB#24  | 23.06 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 12RB#0  | 21.93 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 12RB#6  | 22.03 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 12RB#13 | 21.94 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 25RB#0  | 21.94 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 1RB#0   | 23.07 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 1RB#12  | 23.32 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 1RB#24  | 22.99 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 12RB#0  | 21.97 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 12RB#6  | 22.05 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 12RB#13 | 21.87 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 25RB#0  | 21.97 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 1RB#0   | 23.86 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 1RB#24  | 24.08 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 1RB#49  | 23.86 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 25RB#0  | 22.95 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 25RB#12 | 23.00 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 25RB#25 | 23.00 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 50RB#0  | 22.99 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 1RB#0   | 23.87 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 1RB#24  | 24.04 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 1RB#49  | 23.85 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 25RB#0  | 22.99 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 25RB#12 | 23.02 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 25RB#25 | 22.95 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 50RB#0  | 22.98 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 1RB#0   | 23.80 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 1RB#24  | 24.06 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 1RB#49  | 23.53 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 25RB#0  | 22.93 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 25RB#12 | 23.03 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 25RB#25 | 22.94 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 50RB#0  | 22.82 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#0   | 23.18 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#24  | 23.20 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#49  | 23.08 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 25RB#0  | 21.94 | PASS |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band2 | 10MHz | 16QAM | 18650 | 25RB#12 | 22.02 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 25RB#25 | 21.98 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 50RB#0  | 21.97 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#0   | 23.01 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#24  | 23.25 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#49  | 23.08 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 25RB#0  | 21.97 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 25RB#12 | 21.99 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 25RB#25 | 21.96 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 50RB#0  | 21.96 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#0   | 23.06 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#24  | 23.15 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#49  | 22.72 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 25RB#0  | 21.99 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 25RB#12 | 22.03 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 25RB#25 | 21.83 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 50RB#0  | 21.95 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 1RB#0   | 23.77 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 1RB#38  | 23.89 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 1RB#74  | 23.79 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 38RB#0  | 23.74 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 38RB#18 | 23.41 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 38RB#37 | 23.55 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 75RB#0  | 22.42 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 1RB#0   | 23.22 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 1RB#38  | 23.40 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 1RB#74  | 23.28 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 38RB#0  | 23.21 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 38RB#18 | 23.39 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 38RB#37 | 23.53 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 75RB#0  | 22.44 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 1RB#0   | 23.22 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 1RB#38  | 23.41 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 1RB#74  | 23.24 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 38RB#0  | 23.21 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 38RB#18 | 23.33 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 38RB#37 | 23.53 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 75RB#0  | 22.45 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#0   | 22.95 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#38  | 23.16 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#74  | 23.07 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 38RB#0  | 22.55 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 38RB#18 | 22.66 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 38RB#37 | 22.85 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 75RB#0  | 21.43 | PASS |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band2 | 15MHz | 16QAM | 18900 | 1RB#0   | 22.49 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#38  | 22.72 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#74  | 22.55 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 38RB#0  | 22.38 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 38RB#18 | 22.59 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 38RB#37 | 22.72 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 75RB#0  | 21.46 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#0   | 22.43 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#38  | 22.63 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#74  | 22.40 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 38RB#0  | 22.36 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 38RB#18 | 22.49 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 38RB#37 | 22.65 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 75RB#0  | 21.42 | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 1RB#0   | 23.55 | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 1RB#49  | 23.97 | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 1RB#99  | 23.40 | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 50RB#0  | 22.35 | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 50RB#25 | 22.45 | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 50RB#50 | 22.45 | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 100RB#0 | 22.37 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 1RB#0   | 23.04 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 1RB#49  | 23.48 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 1RB#99  | 23.08 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 50RB#0  | 22.44 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 50RB#25 | 22.46 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 50RB#50 | 22.44 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 100RB#0 | 22.46 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 1RB#0   | 23.06 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 1RB#49  | 23.47 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 1RB#99  | 23.13 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 50RB#0  | 22.48 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 50RB#25 | 22.46 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 50RB#50 | 22.34 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 100RB#0 | 22.44 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#0   | 22.82 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#49  | 23.11 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#99  | 22.62 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 50RB#0  | 21.42 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 50RB#25 | 21.45 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 50RB#50 | 21.46 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | 21.39 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#0   | 22.35 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#49  | 22.81 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#99  | 22.46 | PASS |

|       |        |       |       |         |       |      |
|-------|--------|-------|-------|---------|-------|------|
| Band2 | 20MHz  | 16QAM | 18900 | 50RB#0  | 21.42 | PASS |
| Band2 | 20MHz  | 16QAM | 18900 | 50RB#25 | 21.47 | PASS |
| Band2 | 20MHz  | 16QAM | 18900 | 50RB#50 | 21.45 | PASS |
| Band2 | 20MHz  | 16QAM | 18900 | 100RB#0 | 21.48 | PASS |
| Band2 | 20MHz  | 16QAM | 19100 | 1RB#0   | 22.39 | PASS |
| Band2 | 20MHz  | 16QAM | 19100 | 1RB#49  | 22.61 | PASS |
| Band2 | 20MHz  | 16QAM | 19100 | 1RB#99  | 22.34 | PASS |
| Band2 | 20MHz  | 16QAM | 19100 | 50RB#0  | 21.48 | PASS |
| Band2 | 20MHz  | 16QAM | 19100 | 50RB#25 | 21.45 | PASS |
| Band2 | 20MHz  | 16QAM | 19100 | 50RB#50 | 21.32 | PASS |
| Band2 | 20MHz  | 16QAM | 19100 | 100RB#0 | 21.41 | PASS |
| Band4 | 1.4MHz | QPSK  | 19957 | 1RB#0   | 23.67 | PASS |
| Band4 | 1.4MHz | QPSK  | 19957 | 1RB#3   | 23.82 | PASS |
| Band4 | 1.4MHz | QPSK  | 19957 | 1RB#5   | 23.71 | PASS |
| Band4 | 1.4MHz | QPSK  | 19957 | 3RB#0   | 23.81 | PASS |
| Band4 | 1.4MHz | QPSK  | 19957 | 3RB#2   | 23.85 | PASS |
| Band4 | 1.4MHz | QPSK  | 19957 | 3RB#3   | 23.79 | PASS |
| Band4 | 1.4MHz | QPSK  | 19957 | 6RB#0   | 22.81 | PASS |
| Band4 | 1.4MHz | QPSK  | 20175 | 1RB#0   | 23.63 | PASS |
| Band4 | 1.4MHz | QPSK  | 20175 | 1RB#3   | 23.72 | PASS |
| Band4 | 1.4MHz | QPSK  | 20175 | 1RB#5   | 23.63 | PASS |
| Band4 | 1.4MHz | QPSK  | 20175 | 3RB#0   | 23.74 | PASS |
| Band4 | 1.4MHz | QPSK  | 20175 | 3RB#2   | 23.78 | PASS |
| Band4 | 1.4MHz | QPSK  | 20175 | 3RB#3   | 23.75 | PASS |
| Band4 | 1.4MHz | QPSK  | 20175 | 6RB#0   | 22.76 | PASS |
| Band4 | 1.4MHz | QPSK  | 20393 | 1RB#0   | 23.66 | PASS |
| Band4 | 1.4MHz | QPSK  | 20393 | 1RB#3   | 23.62 | PASS |
| Band4 | 1.4MHz | QPSK  | 20393 | 1RB#5   | 23.20 | PASS |
| Band4 | 1.4MHz | QPSK  | 20393 | 3RB#0   | 23.26 | PASS |
| Band4 | 1.4MHz | QPSK  | 20393 | 3RB#2   | 23.29 | PASS |
| Band4 | 1.4MHz | QPSK  | 20393 | 3RB#3   | 23.27 | PASS |
| Band4 | 1.4MHz | QPSK  | 20393 | 6RB#0   | 22.25 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#0   | 22.82 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#3   | 23.07 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#5   | 22.85 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 3RB#0   | 22.86 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 3RB#2   | 22.83 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 3RB#3   | 22.85 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 6RB#0   | 21.82 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#0   | 22.87 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#3   | 22.90 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#5   | 22.78 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 3RB#0   | 22.80 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 3RB#2   | 22.77 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 3RB#3   | 22.75 | PASS |

|       |        |       |       |        |       |      |
|-------|--------|-------|-------|--------|-------|------|
| Band4 | 1.4MHz | 16QAM | 20175 | 6RB#0  | 21.81 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#0  | 22.94 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#3  | 22.83 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#5  | 22.35 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#0  | 22.30 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#2  | 22.39 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#3  | 22.30 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0  | 21.34 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 1RB#0  | 23.72 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 1RB#7  | 23.74 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 1RB#14 | 23.21 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 8RB#0  | 22.25 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 8RB#4  | 22.29 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 8RB#7  | 22.26 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 15RB#0 | 22.24 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 1RB#0  | 23.16 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 1RB#7  | 23.35 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 1RB#14 | 23.17 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 8RB#0  | 22.23 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 8RB#4  | 22.24 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 8RB#7  | 22.19 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 15RB#0 | 22.20 | PASS |
| Band4 | 3MHz   | QPSK  | 20385 | 1RB#0  | 23.18 | PASS |
| Band4 | 3MHz   | QPSK  | 20385 | 1RB#7  | 23.33 | PASS |
| Band4 | 3MHz   | QPSK  | 20385 | 1RB#14 | 23.21 | PASS |
| Band4 | 3MHz   | QPSK  | 20385 | 8RB#0  | 22.24 | PASS |
| Band4 | 3MHz   | QPSK  | 20385 | 8RB#4  | 22.26 | PASS |
| Band4 | 3MHz   | QPSK  | 20385 | 8RB#7  | 22.22 | PASS |
| Band4 | 3MHz   | QPSK  | 20385 | 15RB#0 | 22.22 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 1RB#0  | 23.00 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 1RB#7  | 22.60 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 1RB#14 | 22.47 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 8RB#0  | 21.32 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 8RB#4  | 21.31 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 8RB#7  | 21.32 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 15RB#0 | 21.23 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 1RB#0  | 22.36 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 1RB#7  | 22.54 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 1RB#14 | 22.46 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 8RB#0  | 21.28 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 8RB#4  | 21.32 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 8RB#7  | 21.26 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 15RB#0 | 21.22 | PASS |
| Band4 | 3MHz   | 16QAM | 20385 | 1RB#0  | 22.36 | PASS |
| Band4 | 3MHz   | 16QAM | 20385 | 1RB#7  | 22.61 | PASS |

|       |      |       |       |         |       |      |
|-------|------|-------|-------|---------|-------|------|
| Band4 | 3MHz | 16QAM | 20385 | 1RB#14  | 22.46 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#0   | 21.31 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#4   | 21.32 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#7   | 21.30 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0  | 21.22 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 1RB#0   | 23.64 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 1RB#12  | 23.93 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 1RB#24  | 23.61 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 12RB#0  | 22.72 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 12RB#6  | 22.78 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 12RB#13 | 22.71 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 25RB#0  | 22.75 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 1RB#0   | 23.46 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 1RB#12  | 23.54 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 1RB#24  | 23.04 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 12RB#0  | 22.20 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 12RB#6  | 22.26 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 12RB#13 | 22.16 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 25RB#0  | 22.20 | PASS |
| Band4 | 5MHz | QPSK  | 20375 | 1RB#0   | 23.08 | PASS |
| Band4 | 5MHz | QPSK  | 20375 | 1RB#12  | 23.28 | PASS |
| Band4 | 5MHz | QPSK  | 20375 | 1RB#24  | 23.10 | PASS |
| Band4 | 5MHz | QPSK  | 20375 | 12RB#0  | 22.22 | PASS |
| Band4 | 5MHz | QPSK  | 20375 | 12RB#6  | 22.28 | PASS |
| Band4 | 5MHz | QPSK  | 20375 | 12RB#13 | 22.19 | PASS |
| Band4 | 5MHz | QPSK  | 20375 | 25RB#0  | 22.23 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0   | 22.91 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#12  | 23.01 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#24  | 22.87 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#0  | 21.67 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#6  | 21.79 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#13 | 21.69 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0  | 21.60 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#0   | 22.63 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#12  | 22.57 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#24  | 22.38 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#0  | 21.27 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#6  | 21.31 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#13 | 21.20 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 25RB#0  | 21.22 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#0   | 22.34 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#12  | 22.59 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#24  | 22.25 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 12RB#0  | 21.26 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 12RB#6  | 21.32 | PASS |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band4 | 5MHz  | 16QAM | 20375 | 12RB#13 | 21.23 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 25RB#0  | 21.27 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 1RB#0   | 23.72 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 1RB#24  | 23.83 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 1RB#49  | 23.73 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 25RB#0  | 22.75 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 25RB#12 | 22.79 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 25RB#25 | 22.76 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 50RB#0  | 22.77 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 1RB#0   | 23.47 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 1RB#24  | 23.42 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 1RB#49  | 23.19 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 25RB#0  | 22.24 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 25RB#12 | 22.30 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 25RB#25 | 22.26 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 50RB#0  | 22.22 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#0   | 23.14 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#24  | 23.28 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#49  | 23.22 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 25RB#0  | 22.31 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 25RB#12 | 22.26 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 25RB#25 | 22.21 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 50RB#0  | 22.27 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0   | 22.86 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#24  | 23.00 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#49  | 22.92 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#0  | 21.70 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#12 | 21.76 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#25 | 21.71 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0  | 21.72 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0   | 22.42 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#24  | 22.58 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#49  | 22.39 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#0  | 21.22 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#12 | 21.28 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#25 | 21.22 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0  | 21.23 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0   | 22.29 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#24  | 22.52 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#49  | 22.36 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#0  | 21.30 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#12 | 21.30 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#25 | 21.23 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0  | 21.30 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#0   | 23.36 | PASS |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band4 | 15MHz | QPSK  | 20025 | 1RB#38  | 23.23 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#74  | 23.15 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 38RB#0  | 23.10 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 38RB#18 | 23.20 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 38RB#37 | 23.40 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 75RB#0  | 22.24 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#0   | 23.09 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#38  | 23.20 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#74  | 23.12 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 38RB#0  | 23.07 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 38RB#18 | 23.17 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 38RB#37 | 23.34 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 75RB#0  | 22.23 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#0   | 23.06 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#38  | 23.21 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#74  | 23.20 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 38RB#0  | 23.06 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 38RB#18 | 23.18 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 38RB#37 | 23.38 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 75RB#0  | 22.27 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0   | 22.26 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#38  | 22.45 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#74  | 22.35 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#0  | 22.26 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#18 | 22.45 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#37 | 22.61 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0  | 21.26 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0   | 22.27 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#38  | 22.36 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#74  | 22.41 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#0  | 22.25 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#18 | 22.45 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#37 | 22.64 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0  | 21.26 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0   | 22.28 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#38  | 22.50 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#74  | 22.42 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#0  | 22.27 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#18 | 22.37 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#37 | 22.55 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0  | 21.30 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#0   | 22.93 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#49  | 23.31 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#99  | 23.04 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 50RB#0  | 22.25 | PASS |

|       |        |       |       |         |       |      |
|-------|--------|-------|-------|---------|-------|------|
| Band4 | 20MHz  | QPSK  | 20050 | 50RB#25 | 22.34 | PASS |
| Band4 | 20MHz  | QPSK  | 20050 | 50RB#50 | 22.32 | PASS |
| Band4 | 20MHz  | QPSK  | 20050 | 100RB#0 | 22.28 | PASS |
| Band4 | 20MHz  | QPSK  | 20175 | 1RB#0   | 22.90 | PASS |
| Band4 | 20MHz  | QPSK  | 20175 | 1RB#49  | 23.28 | PASS |
| Band4 | 20MHz  | QPSK  | 20175 | 1RB#99  | 23.01 | PASS |
| Band4 | 20MHz  | QPSK  | 20175 | 50RB#0  | 22.26 | PASS |
| Band4 | 20MHz  | QPSK  | 20175 | 50RB#25 | 22.30 | PASS |
| Band4 | 20MHz  | QPSK  | 20175 | 50RB#50 | 22.19 | PASS |
| Band4 | 20MHz  | QPSK  | 20175 | 100RB#0 | 22.23 | PASS |
| Band4 | 20MHz  | QPSK  | 20300 | 1RB#0   | 22.91 | PASS |
| Band4 | 20MHz  | QPSK  | 20300 | 1RB#49  | 23.29 | PASS |
| Band4 | 20MHz  | QPSK  | 20300 | 1RB#99  | 23.05 | PASS |
| Band4 | 20MHz  | QPSK  | 20300 | 50RB#0  | 22.30 | PASS |
| Band4 | 20MHz  | QPSK  | 20300 | 50RB#25 | 22.25 | PASS |
| Band4 | 20MHz  | QPSK  | 20300 | 50RB#50 | 22.16 | PASS |
| Band4 | 20MHz  | QPSK  | 20300 | 100RB#0 | 22.21 | PASS |
| Band4 | 20MHz  | 16QAM | 20050 | 1RB#0   | 22.20 | PASS |
| Band4 | 20MHz  | 16QAM | 20050 | 1RB#49  | 22.46 | PASS |
| Band4 | 20MHz  | 16QAM | 20050 | 1RB#99  | 22.20 | PASS |
| Band4 | 20MHz  | 16QAM | 20050 | 50RB#0  | 21.22 | PASS |
| Band4 | 20MHz  | 16QAM | 20050 | 50RB#25 | 21.31 | PASS |
| Band4 | 20MHz  | 16QAM | 20050 | 50RB#50 | 21.31 | PASS |
| Band4 | 20MHz  | 16QAM | 20050 | 100RB#0 | 21.28 | PASS |
| Band4 | 20MHz  | 16QAM | 20175 | 1RB#0   | 22.07 | PASS |
| Band4 | 20MHz  | 16QAM | 20175 | 1RB#49  | 22.54 | PASS |
| Band4 | 20MHz  | 16QAM | 20175 | 1RB#99  | 22.24 | PASS |
| Band4 | 20MHz  | 16QAM | 20175 | 50RB#0  | 21.26 | PASS |
| Band4 | 20MHz  | 16QAM | 20175 | 50RB#25 | 21.31 | PASS |
| Band4 | 20MHz  | 16QAM | 20175 | 50RB#50 | 21.21 | PASS |
| Band4 | 20MHz  | 16QAM | 20175 | 100RB#0 | 21.24 | PASS |
| Band4 | 20MHz  | 16QAM | 20300 | 1RB#0   | 22.15 | PASS |
| Band4 | 20MHz  | 16QAM | 20300 | 1RB#49  | 22.43 | PASS |
| Band4 | 20MHz  | 16QAM | 20300 | 1RB#99  | 22.24 | PASS |
| Band4 | 20MHz  | 16QAM | 20300 | 50RB#0  | 21.31 | PASS |
| Band4 | 20MHz  | 16QAM | 20300 | 50RB#25 | 21.29 | PASS |
| Band4 | 20MHz  | 16QAM | 20300 | 50RB#50 | 21.19 | PASS |
| Band4 | 20MHz  | 16QAM | 20300 | 100RB#0 | 21.25 | PASS |
| Band5 | 1.4MHz | QPSK  | 20407 | 1RB#0   | 23.01 | PASS |
| Band5 | 1.4MHz | QPSK  | 20407 | 1RB#3   | 23.09 | PASS |
| Band5 | 1.4MHz | QPSK  | 20407 | 1RB#5   | 23.00 | PASS |
| Band5 | 1.4MHz | QPSK  | 20407 | 3RB#0   | 22.87 | PASS |
| Band5 | 1.4MHz | QPSK  | 20407 | 3RB#2   | 22.62 | PASS |
| Band5 | 1.4MHz | QPSK  | 20407 | 3RB#3   | 22.59 | PASS |
| Band5 | 1.4MHz | QPSK  | 20407 | 6RB#0   | 21.59 | PASS |

|       |        |       |       |        |       |      |
|-------|--------|-------|-------|--------|-------|------|
| Band5 | 1.4MHz | QPSK  | 20525 | 1RB#0  | 22.69 | PASS |
| Band5 | 1.4MHz | QPSK  | 20525 | 1RB#3  | 22.77 | PASS |
| Band5 | 1.4MHz | QPSK  | 20525 | 1RB#5  | 22.65 | PASS |
| Band5 | 1.4MHz | QPSK  | 20525 | 3RB#0  | 22.76 | PASS |
| Band5 | 1.4MHz | QPSK  | 20525 | 3RB#2  | 22.76 | PASS |
| Band5 | 1.4MHz | QPSK  | 20525 | 3RB#3  | 22.75 | PASS |
| Band5 | 1.4MHz | QPSK  | 20525 | 6RB#0  | 21.73 | PASS |
| Band5 | 1.4MHz | QPSK  | 20643 | 1RB#0  | 22.67 | PASS |
| Band5 | 1.4MHz | QPSK  | 20643 | 1RB#3  | 22.78 | PASS |
| Band5 | 1.4MHz | QPSK  | 20643 | 1RB#5  | 22.67 | PASS |
| Band5 | 1.4MHz | QPSK  | 20643 | 3RB#0  | 22.75 | PASS |
| Band5 | 1.4MHz | QPSK  | 20643 | 3RB#2  | 22.79 | PASS |
| Band5 | 1.4MHz | QPSK  | 20643 | 3RB#3  | 22.74 | PASS |
| Band5 | 1.4MHz | QPSK  | 20643 | 6RB#0  | 21.75 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 1RB#0  | 22.17 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 1RB#3  | 22.41 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 1RB#5  | 22.18 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 3RB#0  | 21.83 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 3RB#2  | 21.71 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 3RB#3  | 21.64 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0  | 20.66 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 1RB#0  | 21.90 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 1RB#3  | 21.90 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 1RB#5  | 21.90 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 3RB#0  | 21.84 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 3RB#2  | 21.87 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 3RB#3  | 21.81 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0  | 20.79 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#0  | 21.88 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#3  | 21.98 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#5  | 21.89 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#0  | 21.81 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#2  | 21.88 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#3  | 21.80 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0  | 20.80 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 1RB#0  | 23.06 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 1RB#7  | 22.70 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 1RB#14 | 22.62 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 8RB#0  | 21.57 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 8RB#4  | 21.62 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 8RB#7  | 21.58 | PASS |
| Band5 | 3MHz   | QPSK  | 20415 | 15RB#0 | 21.54 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 1RB#0  | 22.76 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 1RB#7  | 22.85 | PASS |
| Band5 | 3MHz   | QPSK  | 20525 | 1RB#14 | 22.70 | PASS |

|       |      |       |       |         |       |      |
|-------|------|-------|-------|---------|-------|------|
| Band5 | 3MHz | QPSK  | 20525 | 8RB#0   | 21.75 | PASS |
| Band5 | 3MHz | QPSK  | 20525 | 8RB#4   | 21.76 | PASS |
| Band5 | 3MHz | QPSK  | 20525 | 8RB#7   | 21.72 | PASS |
| Band5 | 3MHz | QPSK  | 20525 | 15RB#0  | 21.71 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 1RB#0   | 22.73 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 1RB#7   | 22.93 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 1RB#14  | 22.71 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 8RB#0   | 21.78 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 8RB#4   | 21.79 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 8RB#7   | 21.72 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 15RB#0  | 21.73 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 1RB#0   | 21.71 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 1RB#7   | 21.95 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 1RB#14  | 21.89 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 8RB#0   | 20.59 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 8RB#4   | 20.64 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 8RB#7   | 20.61 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0  | 20.50 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#0   | 21.94 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#7   | 22.10 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#14  | 21.97 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 8RB#0   | 20.81 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 8RB#4   | 20.80 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 8RB#7   | 20.77 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0  | 20.72 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#0   | 22.01 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#7   | 22.02 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#14  | 21.95 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#0   | 20.84 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#4   | 20.80 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#7   | 20.75 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0  | 20.74 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#0   | 22.98 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#12  | 22.69 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 1RB#24  | 22.48 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 12RB#0  | 21.55 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 12RB#6  | 21.65 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 12RB#13 | 21.64 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 25RB#0  | 21.63 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#0   | 22.67 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#12  | 22.86 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 1RB#24  | 22.60 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 12RB#0  | 21.76 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 12RB#6  | 21.80 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 12RB#13 | 21.70 | PASS |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band5 | 5MHz  | QPSK  | 20525 | 25RB#0  | 21.75 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 1RB#0   | 22.63 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 1RB#12  | 22.87 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 1RB#24  | 22.65 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 12RB#0  | 21.77 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 12RB#6  | 21.84 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 12RB#13 | 21.64 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 25RB#0  | 21.76 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 1RB#0   | 21.66 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 1RB#12  | 22.03 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 1RB#24  | 21.63 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 12RB#0  | 20.57 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 12RB#6  | 20.65 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 12RB#13 | 20.64 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 25RB#0  | 20.59 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 1RB#0   | 21.88 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 1RB#12  | 22.04 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 1RB#24  | 21.84 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 12RB#0  | 20.78 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 12RB#6  | 20.81 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 12RB#13 | 20.72 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 25RB#0  | 20.74 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#0   | 21.80 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#12  | 22.19 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#24  | 21.91 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 12RB#0  | 20.75 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 12RB#6  | 20.84 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 12RB#13 | 20.67 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0  | 20.75 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#0   | 23.08 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#24  | 22.67 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#49  | 22.57 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 25RB#0  | 21.63 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 25RB#12 | 21.64 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 25RB#25 | 21.60 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0  | 21.62 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#0   | 22.73 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#24  | 22.82 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#49  | 22.73 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 25RB#0  | 21.83 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 25RB#12 | 21.80 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 25RB#25 | 21.77 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 50RB#0  | 21.83 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#0   | 22.75 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#24  | 22.79 | PASS |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band5 | 10MHz | QPSK  | 20600 | 1RB#49  | 22.72 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 25RB#0  | 21.75 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 25RB#12 | 21.76 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 25RB#25 | 21.66 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0  | 21.71 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0   | 21.87 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#24  | 21.84 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#49  | 21.88 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#0  | 20.63 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#12 | 20.66 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#25 | 20.60 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0  | 20.61 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#0   | 22.02 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#24  | 22.03 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#49  | 21.97 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#0  | 20.81 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#12 | 20.80 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#25 | 20.77 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0  | 20.80 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0   | 21.93 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#24  | 21.99 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#49  | 21.90 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#0  | 20.73 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#12 | 20.78 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#25 | 20.67 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0  | 20.68 | PASS |
| Band7 | 5MHz  | QPSK  | 20775 | 1RB#0   | 24.17 | PASS |
| Band7 | 5MHz  | QPSK  | 20775 | 1RB#12  | 23.91 | PASS |
| Band7 | 5MHz  | QPSK  | 20775 | 1RB#24  | 23.71 | PASS |
| Band7 | 5MHz  | QPSK  | 20775 | 12RB#0  | 22.88 | PASS |
| Band7 | 5MHz  | QPSK  | 20775 | 12RB#6  | 22.89 | PASS |
| Band7 | 5MHz  | QPSK  | 20775 | 12RB#13 | 22.87 | PASS |
| Band7 | 5MHz  | QPSK  | 20775 | 25RB#0  | 22.89 | PASS |
| Band7 | 5MHz  | QPSK  | 21100 | 1RB#0   | 23.54 | PASS |
| Band7 | 5MHz  | QPSK  | 21100 | 1RB#12  | 23.76 | PASS |
| Band7 | 5MHz  | QPSK  | 21100 | 1RB#24  | 23.52 | PASS |
| Band7 | 5MHz  | QPSK  | 21100 | 12RB#0  | 22.68 | PASS |
| Band7 | 5MHz  | QPSK  | 21100 | 12RB#6  | 22.68 | PASS |
| Band7 | 5MHz  | QPSK  | 21100 | 12RB#13 | 22.62 | PASS |
| Band7 | 5MHz  | QPSK  | 21100 | 25RB#0  | 22.65 | PASS |
| Band7 | 5MHz  | QPSK  | 21425 | 1RB#0   | 23.78 | PASS |
| Band7 | 5MHz  | QPSK  | 21425 | 1RB#12  | 24.08 | PASS |
| Band7 | 5MHz  | QPSK  | 21425 | 1RB#24  | 23.82 | PASS |
| Band7 | 5MHz  | QPSK  | 21425 | 12RB#0  | 22.95 | PASS |
| Band7 | 5MHz  | QPSK  | 21425 | 12RB#6  | 22.98 | PASS |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band7 | 5MHz  | QPSK  | 21425 | 12RB#13 | 22.94 | PASS |
| Band7 | 5MHz  | QPSK  | 21425 | 25RB#0  | 22.94 | PASS |
| Band7 | 5MHz  | 16QAM | 20775 | 1RB#0   | 22.85 | PASS |
| Band7 | 5MHz  | 16QAM | 20775 | 1RB#12  | 23.07 | PASS |
| Band7 | 5MHz  | 16QAM | 20775 | 1RB#24  | 22.91 | PASS |
| Band7 | 5MHz  | 16QAM | 20775 | 12RB#0  | 21.86 | PASS |
| Band7 | 5MHz  | 16QAM | 20775 | 12RB#6  | 21.88 | PASS |
| Band7 | 5MHz  | 16QAM | 20775 | 12RB#13 | 21.79 | PASS |
| Band7 | 5MHz  | 16QAM | 20775 | 25RB#0  | 21.84 | PASS |
| Band7 | 5MHz  | 16QAM | 21100 | 1RB#0   | 22.75 | PASS |
| Band7 | 5MHz  | 16QAM | 21100 | 1RB#12  | 23.02 | PASS |
| Band7 | 5MHz  | 16QAM | 21100 | 1RB#24  | 22.64 | PASS |
| Band7 | 5MHz  | 16QAM | 21100 | 12RB#0  | 21.66 | PASS |
| Band7 | 5MHz  | 16QAM | 21100 | 12RB#6  | 21.65 | PASS |
| Band7 | 5MHz  | 16QAM | 21100 | 12RB#13 | 21.56 | PASS |
| Band7 | 5MHz  | 16QAM | 21100 | 25RB#0  | 21.62 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 1RB#0   | 22.95 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 1RB#12  | 23.22 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 1RB#24  | 22.93 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 12RB#0  | 21.89 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 12RB#6  | 21.90 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 12RB#13 | 21.85 | PASS |
| Band7 | 5MHz  | 16QAM | 21425 | 25RB#0  | 21.86 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 1RB#0   | 23.81 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 1RB#24  | 23.94 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 1RB#49  | 23.79 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 25RB#0  | 22.96 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 25RB#12 | 22.93 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 25RB#25 | 22.94 | PASS |
| Band7 | 10MHz | QPSK  | 20800 | 50RB#0  | 22.96 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 1RB#0   | 23.65 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 1RB#24  | 23.75 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 1RB#49  | 23.60 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 25RB#0  | 22.82 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 25RB#12 | 22.71 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 25RB#25 | 22.66 | PASS |
| Band7 | 10MHz | QPSK  | 21100 | 50RB#0  | 22.78 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 1RB#0   | 23.81 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 1RB#24  | 24.01 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 1RB#49  | 23.95 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 25RB#0  | 22.95 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 25RB#12 | 22.97 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 25RB#25 | 22.94 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 50RB#0  | 22.92 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 1RB#0   | 23.08 | PASS |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band7 | 10MHz | 16QAM | 20800 | 1RB#24  | 23.15 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 1RB#49  | 22.98 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 25RB#0  | 21.94 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 25RB#12 | 21.90 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 25RB#25 | 21.89 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 50RB#0  | 21.91 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 1RB#0   | 22.87 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 1RB#24  | 22.99 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 1RB#49  | 22.73 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 25RB#0  | 21.77 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 25RB#12 | 21.68 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 25RB#25 | 21.66 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 50RB#0  | 21.73 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#0   | 22.93 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#24  | 23.11 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 1RB#49  | 23.20 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 25RB#0  | 21.89 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 25RB#12 | 21.90 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 25RB#25 | 21.87 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 50RB#0  | 21.87 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 1RB#0   | 23.73 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 1RB#38  | 23.88 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 1RB#74  | 23.67 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 38RB#0  | 23.81 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 38RB#18 | 23.90 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 38RB#37 | 24.05 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 75RB#0  | 22.98 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 1RB#0   | 23.57 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 1RB#38  | 23.68 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 1RB#74  | 23.55 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 38RB#0  | 23.59 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 38RB#18 | 23.67 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 38RB#37 | 23.86 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 75RB#0  | 22.78 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 1RB#0   | 23.68 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 1RB#38  | 23.88 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 1RB#74  | 23.83 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 38RB#0  | 23.69 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 38RB#18 | 23.86 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 38RB#37 | 24.03 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 75RB#0  | 22.90 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 1RB#0   | 22.94 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 1RB#38  | 23.06 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 1RB#74  | 22.88 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 38RB#0  | 22.96 | PASS |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band7 | 15MHz | 16QAM | 20825 | 38RB#18 | 23.11 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 38RB#37 | 23.23 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 75RB#0  | 21.94 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 1RB#0   | 22.76 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 1RB#38  | 22.88 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 1RB#74  | 22.72 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 38RB#0  | 22.74 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 38RB#18 | 22.81 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 38RB#37 | 22.96 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 75RB#0  | 21.74 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 1RB#0   | 22.85 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 1RB#38  | 23.10 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 1RB#74  | 22.92 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 38RB#0  | 22.82 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 38RB#18 | 22.99 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 38RB#37 | 23.19 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 75RB#0  | 21.85 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 1RB#0   | 23.59 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 1RB#49  | 23.95 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 1RB#99  | 23.48 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 50RB#0  | 22.89 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 50RB#25 | 22.95 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 50RB#50 | 23.09 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 100RB#0 | 22.98 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 1RB#0   | 23.47 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 1RB#49  | 23.76 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 1RB#99  | 23.39 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 50RB#0  | 22.88 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 50RB#25 | 22.76 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 50RB#50 | 22.61 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 100RB#0 | 22.79 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 1RB#0   | 23.57 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 1RB#49  | 23.94 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 1RB#99  | 23.66 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 50RB#0  | 22.73 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 50RB#25 | 22.92 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 50RB#50 | 22.89 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 100RB#0 | 22.80 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#0   | 22.81 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#49  | 23.13 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 1RB#99  | 22.61 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 50RB#0  | 21.84 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 50RB#25 | 21.92 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 50RB#50 | 22.05 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | 21.93 | PASS |

|        |        |       |       |         |       |      |
|--------|--------|-------|-------|---------|-------|------|
| Band7  | 20MHz  | 16QAM | 21100 | 1RB#0   | 22.63 | PASS |
| Band7  | 20MHz  | 16QAM | 21100 | 1RB#49  | 22.92 | PASS |
| Band7  | 20MHz  | 16QAM | 21100 | 1RB#99  | 22.63 | PASS |
| Band7  | 20MHz  | 16QAM | 21100 | 50RB#0  | 21.85 | PASS |
| Band7  | 20MHz  | 16QAM | 21100 | 50RB#25 | 21.75 | PASS |
| Band7  | 20MHz  | 16QAM | 21100 | 50RB#50 | 21.59 | PASS |
| Band7  | 20MHz  | 16QAM | 21100 | 100RB#0 | 21.75 | PASS |
| Band7  | 20MHz  | 16QAM | 21350 | 1RB#0   | 22.79 | PASS |
| Band7  | 20MHz  | 16QAM | 21350 | 1RB#49  | 23.16 | PASS |
| Band7  | 20MHz  | 16QAM | 21350 | 1RB#99  | 22.92 | PASS |
| Band7  | 20MHz  | 16QAM | 21350 | 50RB#0  | 21.71 | PASS |
| Band7  | 20MHz  | 16QAM | 21350 | 50RB#25 | 21.85 | PASS |
| Band7  | 20MHz  | 16QAM | 21350 | 50RB#50 | 21.84 | PASS |
| Band7  | 20MHz  | 16QAM | 21350 | 100RB#0 | 21.75 | PASS |
| Band12 | 1.4MHz | QPSK  | 23017 | 1RB#0   | 23.07 | PASS |
| Band12 | 1.4MHz | QPSK  | 23017 | 1RB#3   | 23.17 | PASS |
| Band12 | 1.4MHz | QPSK  | 23017 | 1RB#5   | 23.06 | PASS |
| Band12 | 1.4MHz | QPSK  | 23017 | 3RB#0   | 23.13 | PASS |
| Band12 | 1.4MHz | QPSK  | 23017 | 3RB#2   | 23.15 | PASS |
| Band12 | 1.4MHz | QPSK  | 23017 | 3RB#3   | 23.14 | PASS |
| Band12 | 1.4MHz | QPSK  | 23017 | 6RB#0   | 22.13 | PASS |
| Band12 | 1.4MHz | QPSK  | 23095 | 1RB#0   | 23.07 | PASS |
| Band12 | 1.4MHz | QPSK  | 23095 | 1RB#3   | 23.19 | PASS |
| Band12 | 1.4MHz | QPSK  | 23095 | 1RB#5   | 23.09 | PASS |
| Band12 | 1.4MHz | QPSK  | 23095 | 3RB#0   | 23.18 | PASS |
| Band12 | 1.4MHz | QPSK  | 23095 | 3RB#2   | 23.19 | PASS |
| Band12 | 1.4MHz | QPSK  | 23095 | 3RB#3   | 22.79 | PASS |
| Band12 | 1.4MHz | QPSK  | 23095 | 6RB#0   | 21.82 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 1RB#0   | 22.59 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 1RB#3   | 22.66 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 1RB#5   | 22.53 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 3RB#0   | 22.68 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 3RB#2   | 22.68 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 3RB#3   | 22.66 | PASS |
| Band12 | 1.4MHz | QPSK  | 23173 | 6RB#0   | 21.68 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#0   | 22.29 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#3   | 22.46 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#5   | 22.30 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 3RB#0   | 22.15 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 3RB#2   | 22.20 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 3RB#3   | 22.18 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 6RB#0   | 21.19 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#0   | 22.33 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#3   | 22.42 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#5   | 22.26 | PASS |

|        |        |       |       |        |       |      |
|--------|--------|-------|-------|--------|-------|------|
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#0  | 22.23 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#2  | 22.09 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#3  | 21.81 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 6RB#0  | 20.95 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#0  | 21.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#3  | 21.83 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#5  | 21.70 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#0  | 21.75 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#2  | 21.68 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#3  | 21.67 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 6RB#0  | 20.72 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#0  | 23.11 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#7  | 23.18 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 1RB#14 | 23.12 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#0  | 22.12 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#4  | 22.17 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 8RB#7  | 21.81 | PASS |
| Band12 | 3MHz   | QPSK  | 23025 | 15RB#0 | 21.67 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#0  | 22.63 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#7  | 22.79 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 1RB#14 | 22.60 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 8RB#0  | 21.60 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 8RB#4  | 21.72 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 8RB#7  | 21.67 | PASS |
| Band12 | 3MHz   | QPSK  | 23095 | 15RB#0 | 21.62 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 1RB#0  | 22.63 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 1RB#7  | 22.79 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 1RB#14 | 22.56 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 8RB#0  | 21.67 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 8RB#4  | 21.72 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 8RB#7  | 21.67 | PASS |
| Band12 | 3MHz   | QPSK  | 23165 | 15RB#0 | 21.64 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 1RB#0  | 22.30 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 1RB#7  | 22.48 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 1RB#14 | 22.44 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 8RB#0  | 21.13 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 8RB#4  | 21.13 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 8RB#7  | 20.77 | PASS |
| Band12 | 3MHz   | 16QAM | 23025 | 15RB#0 | 20.66 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 1RB#0  | 21.87 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 1RB#7  | 21.98 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 1RB#14 | 21.88 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 8RB#0  | 20.66 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 8RB#4  | 20.73 | PASS |
| Band12 | 3MHz   | 16QAM | 23095 | 8RB#7  | 20.70 | PASS |

|        |      |       |       |         |       |      |
|--------|------|-------|-------|---------|-------|------|
| Band12 | 3MHz | 16QAM | 23095 | 15RB#0  | 20.59 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0   | 21.84 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#7   | 22.00 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#14  | 21.85 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#0   | 20.71 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#4   | 20.71 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#7   | 20.67 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 15RB#0  | 20.60 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#0   | 22.99 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#12  | 22.79 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 1RB#24  | 22.51 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#0  | 21.74 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#6  | 21.72 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 12RB#13 | 21.63 | PASS |
| Band12 | 5MHz | QPSK  | 23035 | 25RB#0  | 21.67 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#0   | 22.53 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#12  | 22.79 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 1RB#24  | 22.48 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#0  | 21.56 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#6  | 21.71 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 12RB#13 | 21.71 | PASS |
| Band12 | 5MHz | QPSK  | 23095 | 25RB#0  | 21.65 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#0   | 22.49 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#12  | 22.77 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 1RB#24  | 22.46 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 12RB#0  | 21.74 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 12RB#6  | 21.70 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 12RB#13 | 21.66 | PASS |
| Band12 | 5MHz | QPSK  | 23155 | 25RB#0  | 21.74 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0   | 22.17 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#12  | 21.93 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#24  | 21.69 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#0  | 20.69 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#6  | 20.71 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#13 | 20.61 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 25RB#0  | 20.65 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0   | 21.84 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#12  | 21.93 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#24  | 21.72 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#0  | 20.57 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#6  | 20.66 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#13 | 20.70 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 25RB#0  | 20.63 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#0   | 21.75 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#12  | 21.94 | PASS |

|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band12 | 5MHz  | 16QAM | 23155 | 1RB#24  | 21.70 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 12RB#0  | 20.72 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 12RB#6  | 20.68 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 12RB#13 | 20.66 | PASS |
| Band12 | 5MHz  | 16QAM | 23155 | 25RB#0  | 20.72 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#0   | 23.05 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#24  | 22.72 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 1RB#49  | 22.59 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#0  | 21.85 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#12 | 21.74 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 25RB#25 | 21.80 | PASS |
| Band12 | 10MHz | QPSK  | 23060 | 50RB#0  | 21.84 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#0   | 22.61 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#24  | 22.73 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 1RB#49  | 22.58 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#0  | 21.63 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#12 | 21.70 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 25RB#25 | 21.71 | PASS |
| Band12 | 10MHz | QPSK  | 23095 | 50RB#0  | 21.69 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#0   | 22.55 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#24  | 22.68 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 1RB#49  | 22.54 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#0  | 21.61 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#12 | 21.71 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 25RB#25 | 21.55 | PASS |
| Band12 | 10MHz | QPSK  | 23130 | 50RB#0  | 21.58 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0   | 21.78 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#24  | 22.03 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#49  | 21.92 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#0  | 20.87 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#12 | 20.70 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#25 | 20.77 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0  | 20.83 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0   | 21.84 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#24  | 21.91 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#49  | 21.79 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#0  | 20.61 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#12 | 20.67 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#25 | 20.69 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0  | 20.65 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0   | 21.81 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#24  | 21.85 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#49  | 21.81 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#0  | 20.59 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#12 | 20.65 | PASS |

|        |        |       |       |         |       |      |
|--------|--------|-------|-------|---------|-------|------|
| Band12 | 10MHz  | 16QAM | 23130 | 25RB#25 | 20.52 | PASS |
| Band12 | 10MHz  | 16QAM | 23130 | 50RB#0  | 20.56 | PASS |
| Band26 | 1.4MHz | QPSK  | 26697 | 1RB#0   | 23.04 | PASS |
| Band26 | 1.4MHz | QPSK  | 26697 | 1RB#3   | 23.15 | PASS |
| Band26 | 1.4MHz | QPSK  | 26697 | 1RB#5   | 22.61 | PASS |
| Band26 | 1.4MHz | QPSK  | 26697 | 3RB#0   | 22.63 | PASS |
| Band26 | 1.4MHz | QPSK  | 26697 | 3RB#2   | 22.68 | PASS |
| Band26 | 1.4MHz | QPSK  | 26697 | 3RB#3   | 22.63 | PASS |
| Band26 | 1.4MHz | QPSK  | 26697 | 6RB#0   | 21.62 | PASS |
| Band26 | 1.4MHz | QPSK  | 26740 | 1RB#0   | 22.52 | PASS |
| Band26 | 1.4MHz | QPSK  | 26740 | 1RB#3   | 22.65 | PASS |
| Band26 | 1.4MHz | QPSK  | 26740 | 1RB#5   | 22.50 | PASS |
| Band26 | 1.4MHz | QPSK  | 26740 | 3RB#0   | 22.63 | PASS |
| Band26 | 1.4MHz | QPSK  | 26740 | 3RB#2   | 22.65 | PASS |
| Band26 | 1.4MHz | QPSK  | 26740 | 3RB#3   | 22.60 | PASS |
| Band26 | 1.4MHz | QPSK  | 26740 | 6RB#0   | 21.59 | PASS |
| Band26 | 1.4MHz | QPSK  | 26783 | 1RB#0   | 22.48 | PASS |
| Band26 | 1.4MHz | QPSK  | 26783 | 1RB#3   | 22.64 | PASS |
| Band26 | 1.4MHz | QPSK  | 26783 | 1RB#5   | 22.47 | PASS |
| Band26 | 1.4MHz | QPSK  | 26783 | 3RB#0   | 22.61 | PASS |
| Band26 | 1.4MHz | QPSK  | 26783 | 3RB#2   | 22.60 | PASS |
| Band26 | 1.4MHz | QPSK  | 26783 | 3RB#3   | 22.58 | PASS |
| Band26 | 1.4MHz | QPSK  | 26783 | 6RB#0   | 21.58 | PASS |
| Band26 | 1.4MHz | 16QAM | 26697 | 1RB#0   | 22.28 | PASS |
| Band26 | 1.4MHz | 16QAM | 26697 | 1RB#3   | 22.40 | PASS |
| Band26 | 1.4MHz | 16QAM | 26697 | 1RB#5   | 21.71 | PASS |
| Band26 | 1.4MHz | 16QAM | 26697 | 3RB#0   | 21.73 | PASS |
| Band26 | 1.4MHz | 16QAM | 26697 | 3RB#2   | 21.72 | PASS |
| Band26 | 1.4MHz | 16QAM | 26697 | 3RB#3   | 21.68 | PASS |
| Band26 | 1.4MHz | 16QAM | 26697 | 6RB#0   | 20.70 | PASS |
| Band26 | 1.4MHz | 16QAM | 26740 | 1RB#0   | 21.79 | PASS |
| Band26 | 1.4MHz | 16QAM | 26740 | 1RB#3   | 21.80 | PASS |
| Band26 | 1.4MHz | 16QAM | 26740 | 1RB#5   | 21.74 | PASS |
| Band26 | 1.4MHz | 16QAM | 26740 | 3RB#0   | 21.61 | PASS |
| Band26 | 1.4MHz | 16QAM | 26740 | 3RB#2   | 21.79 | PASS |
| Band26 | 1.4MHz | 16QAM | 26740 | 3RB#3   | 21.73 | PASS |
| Band26 | 1.4MHz | 16QAM | 26740 | 6RB#0   | 20.65 | PASS |
| Band26 | 1.4MHz | 16QAM | 26783 | 1RB#0   | 21.64 | PASS |
| Band26 | 1.4MHz | 16QAM | 26783 | 1RB#3   | 21.89 | PASS |
| Band26 | 1.4MHz | 16QAM | 26783 | 1RB#5   | 21.65 | PASS |
| Band26 | 1.4MHz | 16QAM | 26783 | 3RB#0   | 21.69 | PASS |
| Band26 | 1.4MHz | 16QAM | 26783 | 3RB#2   | 21.72 | PASS |
| Band26 | 1.4MHz | 16QAM | 26783 | 3RB#3   | 21.61 | PASS |
| Band26 | 1.4MHz | 16QAM | 26783 | 6RB#0   | 20.61 | PASS |
| Band26 | 3MHz   | QPSK  | 26705 | 1RB#0   | 23.08 | PASS |

|        |      |       |       |        |       |      |
|--------|------|-------|-------|--------|-------|------|
| Band26 | 3MHz | QPSK  | 26705 | 1RB#7  | 22.69 | PASS |
| Band26 | 3MHz | QPSK  | 26705 | 1RB#14 | 22.50 | PASS |
| Band26 | 3MHz | QPSK  | 26705 | 8RB#0  | 21.55 | PASS |
| Band26 | 3MHz | QPSK  | 26705 | 8RB#4  | 21.58 | PASS |
| Band26 | 3MHz | QPSK  | 26705 | 8RB#7  | 21.55 | PASS |
| Band26 | 3MHz | QPSK  | 26705 | 15RB#0 | 21.53 | PASS |
| Band26 | 3MHz | QPSK  | 26740 | 1RB#0  | 22.53 | PASS |
| Band26 | 3MHz | QPSK  | 26740 | 1RB#7  | 22.65 | PASS |
| Band26 | 3MHz | QPSK  | 26740 | 1RB#14 | 22.51 | PASS |
| Band26 | 3MHz | QPSK  | 26740 | 8RB#0  | 21.54 | PASS |
| Band26 | 3MHz | QPSK  | 26740 | 8RB#4  | 21.57 | PASS |
| Band26 | 3MHz | QPSK  | 26740 | 8RB#7  | 21.53 | PASS |
| Band26 | 3MHz | QPSK  | 26740 | 15RB#0 | 21.51 | PASS |
| Band26 | 3MHz | QPSK  | 26775 | 1RB#0  | 22.53 | PASS |
| Band26 | 3MHz | QPSK  | 26775 | 1RB#7  | 22.64 | PASS |
| Band26 | 3MHz | QPSK  | 26775 | 1RB#14 | 22.50 | PASS |
| Band26 | 3MHz | QPSK  | 26775 | 8RB#0  | 21.51 | PASS |
| Band26 | 3MHz | QPSK  | 26775 | 8RB#4  | 21.52 | PASS |
| Band26 | 3MHz | QPSK  | 26775 | 8RB#7  | 21.51 | PASS |
| Band26 | 3MHz | QPSK  | 26775 | 15RB#0 | 21.48 | PASS |
| Band26 | 3MHz | 16QAM | 26705 | 1RB#0  | 21.78 | PASS |
| Band26 | 3MHz | 16QAM | 26705 | 1RB#7  | 22.05 | PASS |
| Band26 | 3MHz | 16QAM | 26705 | 1RB#14 | 21.73 | PASS |
| Band26 | 3MHz | 16QAM | 26705 | 8RB#0  | 20.60 | PASS |
| Band26 | 3MHz | 16QAM | 26705 | 8RB#4  | 20.63 | PASS |
| Band26 | 3MHz | 16QAM | 26705 | 8RB#7  | 20.59 | PASS |
| Band26 | 3MHz | 16QAM | 26705 | 15RB#0 | 20.52 | PASS |
| Band26 | 3MHz | 16QAM | 26740 | 1RB#0  | 21.80 | PASS |
| Band26 | 3MHz | 16QAM | 26740 | 1RB#7  | 22.05 | PASS |
| Band26 | 3MHz | 16QAM | 26740 | 1RB#14 | 21.73 | PASS |
| Band26 | 3MHz | 16QAM | 26740 | 8RB#0  | 20.60 | PASS |
| Band26 | 3MHz | 16QAM | 26740 | 8RB#4  | 20.62 | PASS |
| Band26 | 3MHz | 16QAM | 26740 | 8RB#7  | 20.59 | PASS |
| Band26 | 3MHz | 16QAM | 26740 | 15RB#0 | 20.51 | PASS |
| Band26 | 3MHz | 16QAM | 26775 | 1RB#0  | 21.73 | PASS |
| Band26 | 3MHz | 16QAM | 26775 | 1RB#7  | 21.79 | PASS |
| Band26 | 3MHz | 16QAM | 26775 | 1RB#14 | 21.78 | PASS |
| Band26 | 3MHz | 16QAM | 26775 | 8RB#0  | 20.55 | PASS |
| Band26 | 3MHz | 16QAM | 26775 | 8RB#4  | 20.57 | PASS |
| Band26 | 3MHz | 16QAM | 26775 | 8RB#7  | 20.52 | PASS |
| Band26 | 3MHz | 16QAM | 26775 | 15RB#0 | 20.46 | PASS |
| Band26 | 5MHz | QPSK  | 26715 | 1RB#0  | 22.95 | PASS |
| Band26 | 5MHz | QPSK  | 26715 | 1RB#12 | 23.21 | PASS |
| Band26 | 5MHz | QPSK  | 26715 | 1RB#24 | 22.40 | PASS |
| Band26 | 5MHz | QPSK  | 26715 | 12RB#0 | 21.58 | PASS |

|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band26 | 5MHz  | QPSK  | 26715 | 12RB#6  | 21.59 | PASS |
| Band26 | 5MHz  | QPSK  | 26715 | 12RB#13 | 21.54 | PASS |
| Band26 | 5MHz  | QPSK  | 26715 | 25RB#0  | 21.57 | PASS |
| Band26 | 5MHz  | QPSK  | 26740 | 1RB#0   | 22.41 | PASS |
| Band26 | 5MHz  | QPSK  | 26740 | 1RB#12  | 22.71 | PASS |
| Band26 | 5MHz  | QPSK  | 26740 | 1RB#24  | 22.36 | PASS |
| Band26 | 5MHz  | QPSK  | 26740 | 12RB#0  | 21.51 | PASS |
| Band26 | 5MHz  | QPSK  | 26740 | 12RB#6  | 21.59 | PASS |
| Band26 | 5MHz  | QPSK  | 26740 | 12RB#13 | 21.55 | PASS |
| Band26 | 5MHz  | QPSK  | 26740 | 25RB#0  | 21.55 | PASS |
| Band26 | 5MHz  | QPSK  | 26765 | 1RB#0   | 22.40 | PASS |
| Band26 | 5MHz  | QPSK  | 26765 | 1RB#12  | 22.64 | PASS |
| Band26 | 5MHz  | QPSK  | 26765 | 1RB#24  | 22.37 | PASS |
| Band26 | 5MHz  | QPSK  | 26765 | 12RB#0  | 21.51 | PASS |
| Band26 | 5MHz  | QPSK  | 26765 | 12RB#6  | 21.54 | PASS |
| Band26 | 5MHz  | QPSK  | 26765 | 12RB#13 | 21.48 | PASS |
| Band26 | 5MHz  | QPSK  | 26765 | 25RB#0  | 21.49 | PASS |
| Band26 | 5MHz  | 16QAM | 26715 | 1RB#0   | 22.23 | PASS |
| Band26 | 5MHz  | 16QAM | 26715 | 1RB#12  | 21.96 | PASS |
| Band26 | 5MHz  | 16QAM | 26715 | 1RB#24  | 21.72 | PASS |
| Band26 | 5MHz  | 16QAM | 26715 | 12RB#0  | 20.57 | PASS |
| Band26 | 5MHz  | 16QAM | 26715 | 12RB#6  | 20.61 | PASS |
| Band26 | 5MHz  | 16QAM | 26715 | 12RB#13 | 20.56 | PASS |
| Band26 | 5MHz  | 16QAM | 26715 | 25RB#0  | 20.58 | PASS |
| Band26 | 5MHz  | 16QAM | 26740 | 1RB#0   | 21.62 | PASS |
| Band26 | 5MHz  | 16QAM | 26740 | 1RB#12  | 21.93 | PASS |
| Band26 | 5MHz  | 16QAM | 26740 | 1RB#24  | 21.55 | PASS |
| Band26 | 5MHz  | 16QAM | 26740 | 12RB#0  | 20.49 | PASS |
| Band26 | 5MHz  | 16QAM | 26740 | 12RB#6  | 20.62 | PASS |
| Band26 | 5MHz  | 16QAM | 26740 | 12RB#13 | 20.56 | PASS |
| Band26 | 5MHz  | 16QAM | 26740 | 25RB#0  | 20.58 | PASS |
| Band26 | 5MHz  | 16QAM | 26765 | 1RB#0   | 21.67 | PASS |
| Band26 | 5MHz  | 16QAM | 26765 | 1RB#12  | 21.99 | PASS |
| Band26 | 5MHz  | 16QAM | 26765 | 1RB#24  | 21.55 | PASS |
| Band26 | 5MHz  | 16QAM | 26765 | 12RB#0  | 20.51 | PASS |
| Band26 | 5MHz  | 16QAM | 26765 | 12RB#6  | 20.54 | PASS |
| Band26 | 5MHz  | 16QAM | 26765 | 12RB#13 | 20.55 | PASS |
| Band26 | 5MHz  | 16QAM | 26765 | 25RB#0  | 20.49 | PASS |
| Band26 | 10MHz | QPSK  | 26740 | 1RB#0   | 23.07 | PASS |
| Band26 | 10MHz | QPSK  | 26740 | 1RB#24  | 23.22 | PASS |
| Band26 | 10MHz | QPSK  | 26740 | 1RB#49  | 23.03 | PASS |
| Band26 | 10MHz | QPSK  | 26740 | 25RB#0  | 22.13 | PASS |
| Band26 | 10MHz | QPSK  | 26740 | 25RB#12 | 22.14 | PASS |
| Band26 | 10MHz | QPSK  | 26740 | 25RB#25 | 22.10 | PASS |
| Band26 | 10MHz | QPSK  | 26740 | 50RB#0  | 21.74 | PASS |

|        |       |       |       |         |       |      |
|--------|-------|-------|-------|---------|-------|------|
| Band26 | 10MHz | 16QAM | 26740 | 1RB#0   | 22.27 | PASS |
| Band26 | 10MHz | 16QAM | 26740 | 1RB#24  | 22.46 | PASS |
| Band26 | 10MHz | 16QAM | 26740 | 1RB#49  | 22.20 | PASS |
| Band26 | 10MHz | 16QAM | 26740 | 25RB#0  | 21.12 | PASS |
| Band26 | 10MHz | 16QAM | 26740 | 25RB#12 | 21.10 | PASS |
| Band26 | 10MHz | 16QAM | 26740 | 25RB#25 | 20.93 | PASS |
| Band26 | 10MHz | 16QAM | 26740 | 50RB#0  | 20.67 | PASS |

Note: FCC rule Part 22.905 of LTE Band 26 (824-849MHz) is covered by LTE band 5 of same rule ,since they have the same output power and supported bandwidths. In this report, only test FCC rule Part 90S of LTE Band 26 (814-824MHz).

### **3.6.Environmental Conditions**

Date of test : Jan.19, 2022 – Mar.07, 2022

Date of EUT Receive : Jan.19, 2022

Temperature: (22-26) °C

Relative Humidity: (44-51)%

Air Pressure: (100.7-101.9) kPa

### **3.7.Special Accessories**

Not available for this EUT intended for grant.

### **3.8.Equipment Modifications**

Not available for this EUT intended for grant.

#### 4. TEST EQUIPMENT USED

##### Conducted test equipment

| No.       | Equipment                           | Manufacturer    | Model No. | Last Cal.    | Cal. Interval |
|-----------|-------------------------------------|-----------------|-----------|--------------|---------------|
| SB18827   | Wideband Radio communication Tester | Rohde & Schwarz | CMW500    | Jan.25, 2021 | 1 Year        |
| SB9721/02 | Signal Analyzer                     | Agilent         | N9020A    | May 17, 2021 | 1 Year        |
| SB7941/02 | Signal Analyzer                     | Rohde & Schwarz | FSV30     | May 17, 2021 | 1 Year        |
| SB9721/07 | DC Power Supply                     | Agilent         | 66319D    | Mar.29, 2021 | --            |
| SB11818   | Temperature & Humidity Test chamber | Espec           | EH-010U   | Mar.19, 2021 | 1 Year        |
| --        | Test Software                       | Tonscend        | JS1120    | --           | --            |

##### Radiated spurious test equipment

| No.        | Equipment                           | Manufacturer    | Model No.       | Last Cal.    | Cal. Interval |
|------------|-------------------------------------|-----------------|-----------------|--------------|---------------|
| SB8501/09  | EMI Test Receiver                   | Rohde & Schwarz | ESU40           | Feb.05, 2021 | 1 Year        |
| SB5472/02  | Bilog Antenna                       | Schwarzbeck     | VULB9163        | Nov.15, 2020 | 1 Year        |
| SB3435     | Horn Antenna                        | Rohde & Schwarz | HF906           | Dec.16, 2020 | 1 Year        |
| SB8501/17  | Preamplifier                        | Rohde & Schwarz | SCU-18          | Feb.05, 2021 | 1 Year        |
| SB8501/14  | Preamplifier                        | Rohde & Schwarz | SCU-03          | Feb.05, 2021 | 1 Year        |
| SB12724/06 | Wideband Radio communication Tester | Rohde & Schwarz | CMW500          | May 17, 2021 | 1 Year        |
| --         | Radiated Test Software              | Rohde & Schwarz | EMC 32          | --           | --            |
| SB9555/02  | Fully Anechoic Chamber              | Albatross       | 10.0*5.2*5.4(m) | Aug.25,2021  | 1 Year        |
| SB15044/01 | Test Receiver                       | Rohde & Schwarz | ESW8            | Oct.09,2020  | 1 Year        |
| SB15044/01 | Test Receiver                       | Rohde & Schwarz | ESW8            | Oct.08,2021  | 1 Year        |
| SB12944    | Broadband Antenna                   | Rohde & Schwarz | VULB9163        | Jan.08,2021  | 1 Year        |
| SB18844    | Semi Anechoic Chamber               | Albatross       | 9×6×6(m)        | Mar.23,2021  | 1 Year        |

## 5. MEASUREMENT UNCERTAINTY

For a 95% confidence level ( $k = 2$ ), the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 as following:

26dB & Occupied Bandwidth:  $\pm 0.39\%$

Frequency Stability:  $\pm 0.42\%$

Peak to Average Ratio:  $\pm 0.45$  dB

Conducted power:  $\pm 0.3$  dB

Conducted Spurious Emissions:  $\pm 2.0$  dB

Conducted Band Edge:  $\pm 2.0$  dB

Temperature:  $\pm 0.698$  °C

Supply voltages:  $\pm 0.15\%$

Radiated Emission:

30MHz~1000MHz 4.5dB

1GHz~6GHz 4.6dB

6GHz~18GHz 5.1dB

18GHz~26.5GHz 5.1dB

## 6. TEST ITEMS

### 6.1. Conducted Power & Effective Radiated Power

#### 6.1.1. Test Standard

FCC: CFR Part 2.1046, CFR Part 22.913, CFR Part 24.232 CFR Part 27.50, CFR Part 90.635

#### 6.1.2. Test Limit

22.913 (a) Effective radiated power limits.

The effective radiated power (ERP) of mobile transmitters must not exceed 7 Watts.

24.232 (b)(c) Power limits.

(b) Mobile/portable stations are limited to 2 Watts effective isotropic radiated power (EIRP). (c) 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 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 over the full bandwidth of the channel.

27.50 (b)(10) Portable stations (hand-held de-vices) transmitting in the 746–757 MHz, 776–788 MHz, and 805–806 MHz bands are limited to 3 watts ERP.

27.50 (d)(4) The following power and antenna height requirements apply to stations transmitting in the 1710–1755 MHz and 2110–2155 MHz bands: Fixed, mobile, and portable (hand-held) stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP.

27.50 (c) The following power and antenna height requirements apply to stations transmitting in the 698–746 MHz band (10) Portable stations (hand-held de-vices) are limited to 3 watts ERP.

27.50 (h) (2) 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.

90.635 (b) Power limits.

The maximum output power of the transmitter for mobile stations is 100 watts (20 dBw).

#### 6.1.3. Test Procedure

KDB 971168 Section 5.6

$EIRP \text{ (dBm)} = ERP \text{ (dBm)} + 2.15 \text{ (dB)}$

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

where: 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.

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.

EUT includes different power levels for head use configuration and body use configuration and the below tables contain the highest of all configurations average conducted and ERP/EIRP output powers.

#### 6.1.4. Test Data

Please refer to Appendix A

## **6.2. Peak to Average Ratio**

### **6.2.1. Test Standard**

FCC: CFR 47 (FCC) part 22.913, 24.232, 27.50

### **6.2.2. Test Limit**

The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

### **6.2.3. Test Procedure**

A peak to average ratio measurement is performed at the conducted port of the EUT. For WCDMA signals, the spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level.

For LTE operating mode: a. The EUT was connected to spectrum and system simulator via a power divider. b. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer. c. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1%. d. Record the deviation as Peak to Average Ratio.

### **6.2.4. Test Data**

Please refer to Appendix B

## **6.3.Occupied Bandwidth & Emission Bandwidth**

### **6.3.1.Test Standard**

FCC: CFR Part 2.1049, Part 22.913, Part 24.238, Part 27.53, Part 90.209

### **6.3.2.Test Limit**

The occupied bandwidth, that 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 shall be measured under the following conditions as applicable.

Transmitters employing digital modulation techniques-when modulated by an input signal such that its amplitude and symbol rate represent the maximum rated conditions under which the equipment will be operated.

### **6.3.3.Test Procedure**

1. Connect the equipment as shown in the above diagram.
2. Adjust the settings of the Universal Radio Communication Tester (CMU/CMW) to set the EUT to its maximum power at the required channel.
3. Set the spectrum analyzer to measure the 99% occupied bandwidth. Record the value.
4. Set the spectrum analyzer to measure the -26 dB emission bandwidth. Record the value.
5. Measurements are to be performed with the EUT set to the low, middle and high channel of each frequency band.

Spectrum analyzer settings: Measurement bandwidth of at least 1% of the occupied bandwidth.

### **6.3.4.Test Data**

Please refer to Appendix C

## 6.4. Conducted Band Edge

### 6.4.1. Test Standard

FCC: CFR Part 2.1051, 22.917, 24.238, 27.53, 90.691

### 6.4.2. Test Limit

The radio frequency voltage or power generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. Curves or equivalent data shall show the magnitude of each harmonic and other spurious emission that can be detected when the equipment is operated under the conditions specified in FCC 2.1049 as appropriate. The magnitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be specified.

#### §22.917:

The rules in this section govern the spectral characteristics of emissions in the Cellular Radio telephone Service.

(b) Measurement procedure. Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. In the 1MHz 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. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz of 1 percent of emission bandwidth, as specified). 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.

#### §24.238:

specifies that “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  $43 + 10 \log_{10}(P)$  dB.”

#### §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;

(g) For operations in the 600 MHz band and the 698-746 MHz 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 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

(h) AWS emission limits—(1) General protection levels. 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.

(m)(4) For mobile digital stations, the attenuation factor shall be not less than  $43 + 10 \log (P)$  dB at the channel edge and  $55 + 10 \log (P)$  dB at 5.5 megahertz from the channel edges. (Channel edges are defined under §27.5 (i) Frequency assignment for the BRS/EBS band)

(m)(6) Measurement procedure. Compliance with these rules 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 block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz of 1 percent of emission bandwidth, as specified). 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.

§90.691:

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

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

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

The power of any emission shall be attenuated below the mean output power P (dBW) by at least  $43 + 10 \log_{10}(p)$ , measured in a 100 kHz bandwidth for

frequencies less than or equal to 1 GHz, and in a 1 MHz bandwidth for frequencies greater than 1 GHz.

#### 6.4.3. Test Procedure

1. Connect the equipment as shown in the above diagram with the EUT's antenna in a horizontal orientation.
2. Adjust the settings of the Wideband Radio Communication Tester (CMW500) to set the EUT to its maximum power at the required channel.
3. Set the spectrum analyzer to measure peak hold with the required settings.
4. Place the measurement antenna in a horizontal orientation. Rotate the EUT 360°. Raise the measurement antenna up to 4 meters in 0.5 meters increments and rotate the EUT 360° at each height to maximize all emissions. Measure and record all spurious emissions (LVL) up to the tenth harmonic of the carrier frequency.
5. Replace the EUT with a horizontally polarized half wave dipole or known gain antenna. The center of the antenna should be at the same location as the center of the EUT's antenna.
6. Connect the antenna to a signal generator with known output power and record the path loss in dB (LOSS).  $LOSS = \text{Generator Output Power (dBm)} - \text{Analyzer reading (dBm)}$ .
7. Determine the level of spurious emissions using the following equation:  
 $\text{Spurious (dBm)} = \text{LVL (dBm)} + \text{LOSS (dB)}$
8. Repeat steps 4, 5 and 6 with all antennas vertically polarized.
9. Determine the level of spurious emissions using the following equation:  
 $\text{Spurious (dBm)} = \text{LVL (dBm)} + \text{LOSS (dB)}$
10. Measurements are to be performed with the EUT set to the low, middle and high channel of each frequency band.  
(Note: Steps 5 and 6 above are performed prior to testing and LOSS is recorded by test software. Steps 3, 4 and 7 above are performed with test software.)  
Spectrum analyzer settings: RBW=1MHz, VBW=3\*RBW

#### 6.4.4. Test Data

Please refer to Appendix D

## 6.5. Conducted Spurious Emissions

### 6.5.1. Test Standard

FCC: CFR Part 2.1051, 22.917, 24.238, 27.53, 90.691

### 6.5.2. Test Limit

The radio frequency voltage or power generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. Curves or equivalent data shall show the magnitude of each harmonic and other spurious emission that can be detected when the equipment is operated under the conditions specified in FCC 2.1049 as appropriate. The magnitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be specified.

(a) Out of band emissions. 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. For all power levels +30dBm to 0dBm, this becomes a constant specification of -13dBm.

#### §22.917:

The rules in this section govern the spectral characteristics of emissions in the Cellular Radio telephone Service.

(b) Measurement procedure. Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. In the 1MHz 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. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz of 1 percent of emission bandwidth, as specified). 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.

#### §24.238:

The rules in this section govern the spectral characteristics of emissions in the Broadband Personal Communications Service.

(b) Measurement procedure. 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 block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz of 1 percent of emission bandwidth, as specified). 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.

§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;

(g) For operations in the 600 MHz band and the 698-746 MHz 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 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

(h) AWS emission limits—(1) General protection levels. 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.

(m)(4) For mobile digital stations, the attenuation factor shall be not less than  $43 + 10 \log (P)$  dB at the channel edge and  $55 + 10 \log (P)$  dB at 5.5 megahertz from the channel edges. (Channel edges are defined under

§27.5 (i) Frequency assignment for the BRS/EBS band)

(m)(6) Measurement procedure. Compliance with these rules 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 block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz of 1 percent of emission bandwidth, as specified). 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.

§90.691:

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

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

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

The power of any emission shall be attenuated below the mean output power P (dBW) by at least  $43 + 10 \log_{10}(p)$ , measured in a 100 kHz bandwidth for frequencies less than or equal to 1 GHz, and in a 1 MHz bandwidth for frequencies greater than 1 GHz.

#### 6.5.3. Test Procedure

1. Connect the equipment as shown in the above diagram.
  2. Set the spectrum analyzer to measure peak hold with the required settings.
  3. Set the signal generator to a known output power and record the path loss in dB (LOSS) for frequencies up to the tenth harmonic of the EUT's carrier frequency.  
 $\text{LOSS} = \text{Generator Output Power (dBm)} - \text{Analyzer reading (dBm)}$ .
  4. Replace the signal generator with the EUT.
  5. Adjust the settings of the Universal Radio Communication Tester (CMU) to set the EUT to its maximum power at the required channel.
  6. Set the spectrum analyzer to measure peak hold with the required settings. Offset the spectrum analyzer reference level by the path loss measured above.
  7. Measure and record all spurious emissions up to the tenth harmonic of the carrier frequency.
  8. Measurements are to be performed with the EUT set to the low, middle and high channel of each frequency band.
  9. If necessary steps 6 and 7 may be performed with the spectrum analyzer set to average detector.
- (Note: Step 3 above is performed prior to testing and LOSS is recorded by test software. Steps 2, 6, and 7 above are performed with test software.)

#### 6.5.4. Test Data

Please refer to Appendix E

## 6.6. Frequency Stability

### 6.6.1. Test Standard

FCC: CFR 47 (FCC) part 2.1055, 22.355, 24.235, 27.54, 90.213

### 6.6.2. Test Limit

According to part 22.355, from 821MHz to 896MHz, for mobile device, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances 2.5ppm.

FCC: §24.235 & §27.54

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

FCC 90.213, The carrier frequency shall not depart from the reference frequency in excess of  $\pm 2.5$  ppm for mobile stations.

### 6.6.3. Test Setup

#### Frequency Stability (Temperature Variation)

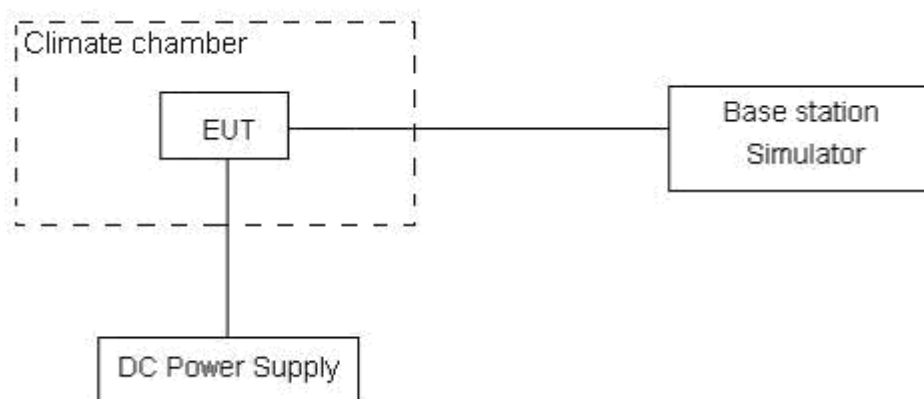
The temperature inside the climate chamber is varied from -30°C to +50°C in 10°C step size,

- (1) With all power removed, the temperature was decreased to 0°C and permitted to stabilize for three hours.
- (2) Measure the carrier frequency with the test equipment in a “call mode”. These measurements should be made within 1 minute of powering up the mobile station, to prevent significant self warming.
- (3) Repeat the above measurements at 10°C increments from -30°C to +50°C. Allow at least 1.5 hours at each temperature, un-powered, before making measurements.

#### Frequency Stability (Voltage Variation)

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 hand carried battery equipment.
- (2) For hand carried, battery powered equipment, reduce primary supply voltage to the battery-operating end point which shall be specified by the manufacturer.



#### 6.6.4. Test Data

Please refer to Appendix F

## 6.7. Radiated Spurious Emissions

### 6.7.1. Test Standard

FCC: CFR Part 2.1051, 22.917, 24.238, 27.53, 90.691

### 6.7.2. Test Limit

The radio frequency voltage or power generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. Curves or equivalent data shall show the magnitude of each harmonic and other spurious emission that can be detected when the equipment is operated under the conditions specified in FCC 2.1049 as appropriate. The magnitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be specified.

(a) Out of band emissions. 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. For all power levels +30dBm to 0dBm, this becomes a constant specification of -13dBm.

#### §22.917:

The rules in this section govern the spectral characteristics of emissions in the Cellular Radio telephone Service.

(b) Measurement procedure. Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. In the 1MHz 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. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz of 1 percent of emission bandwidth, as specified). 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.

#### §24.238:

The rules in this section govern the spectral characteristics of emissions in the Broadband Personal Communications Service.

(b) Measurement procedure. 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 block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz of 1 percent of emission bandwidth, as specified). 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.

§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;

(g) For operations in the 600 MHz band and the 698-746 MHz 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 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

(h) AWS emission limits—(1) General protection levels. 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.

(m)(4) For mobile digital stations, the attenuation factor shall be not less than  $43 + 10 \log (P)$  dB at the channel edge and  $55 + 10 \log (P)$  dB at 5.5 megahertz from the channel edges. (Channel edges are defined under §27.5 (i) Frequency assignment for the BRS/EBS band)

(m)(6) Measurement procedure. Compliance with these rules 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 block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz of 1 percent of emission bandwidth, as specified). 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.

§90.691:

(a) Out-of-band emission requirement shall apply only to the “outer” channels included in an EA license and to spectrum adjacent to interior channels used by incumbent

licensees. The emission limits are as follows:

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

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

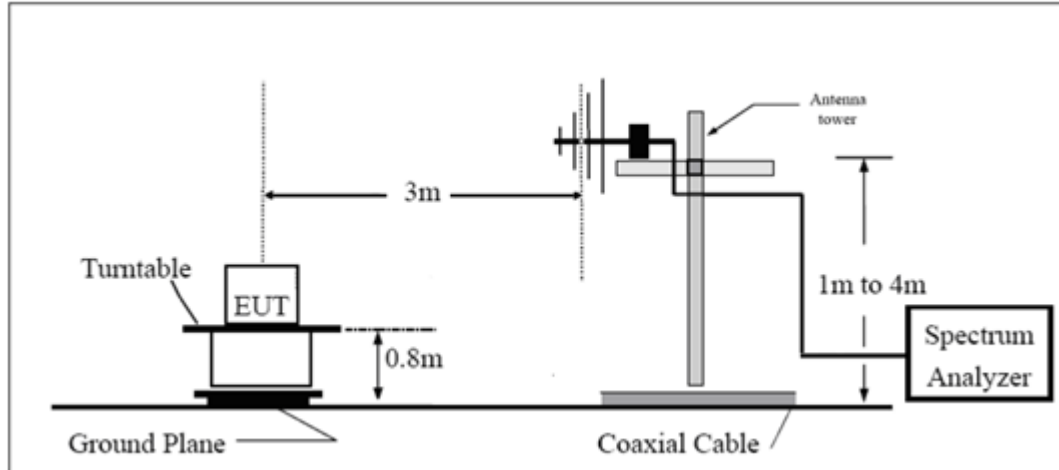
The power of any emission shall be attenuated below the mean output power P (dBW) by at least  $43 + 10 \log_{10}(p)$ , measured in a 100 kHz bandwidth for frequencies less than or equal to 1 GHz, and in a 1 MHz bandwidth for frequencies greater than 1 GHz.

#### 6.7.3. Test Procedure

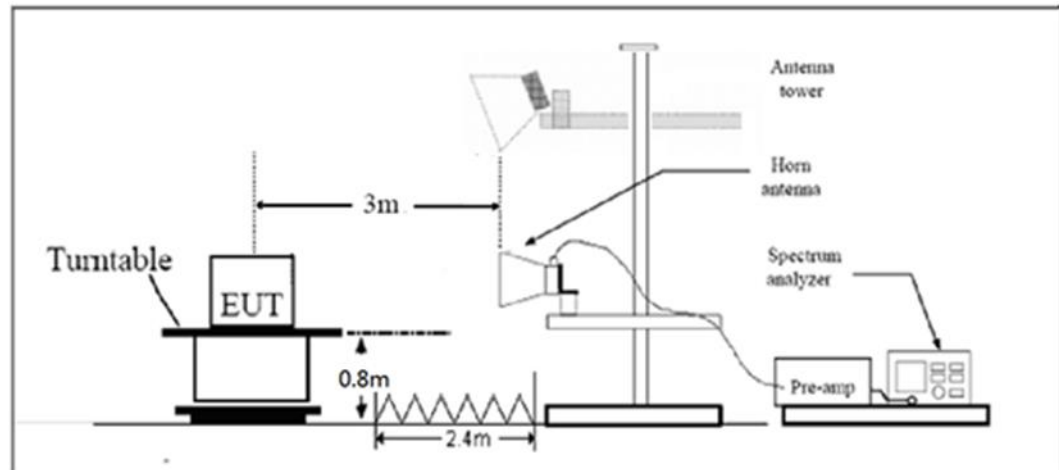
1. Connect the equipment as shown in the above diagram with the EUT's antenna in a horizontal orientation.
  2. Adjust the settings of the Wideband Radio Communication Tester (CMW500) to set the EUT to its maximum power at the required channel.
  3. Set the spectrum analyzer to measure peak hold with the required settings.
  4. Place the measurement antenna in a horizontal orientation. Rotate the EUT 360°. Raise the measurement antenna up to 4 meters in 0.5 meters increments and rotate the EUT 360° at each height to maximize all emissions. Measure and record all spurious emissions (LVL) up to the tenth harmonic of the carrier frequency.
  5. Replace the EUT with a horizontally polarized half wave dipole or known gain antenna. The center of the antenna should be at the same location as the center of the EUT's antenna.
  6. Connect the antenna to a signal generator with known output power and record the path loss in dB (LOSS).  $LOSS = \text{Generator Output Power (dBm)} - \text{Analyzer reading (dBm)}$ .
  7. Determine the level of spurious emissions using the following equation:  
 $\text{Spurious (dBm)} = \text{LVL (dBm)} + \text{LOSS (dB)}$
  8. Repeat steps 4, 5 and 6 with all antennas vertically polarized.
  9. Determine the level of spurious emissions using the following equation:  
 $\text{Spurious (dBm)} = \text{LVL (dBm)} + \text{LOSS (dB)}$
  10. Measurements are to be performed with the EUT set to the low, middle and high channel of each frequency band.
- (Note: Steps 5 and 6 above are performed prior to testing and LOSS is recorded by test software. Steps 3, 4 and 7 above are performed with test software.)
- Spectrum analyzer settings: RBW=VBW=1MHz

#### 6.7.4. Test Setup

For Radiated test from 30MHz to 1GHz



For Radiated test above 1GHz



#### 6.7.5. Test Data

Please refer to Appendix G

## 7. APPENDIX A: CONDUCTED POWER & EFFECTIVE RADIATED POWER

### GSM:

| Band      | Channel | Frequency (MHz) | Conducted Power(dBm) | ERP/EIRP (dBm) | Limit(dBm) | Verdict |
|-----------|---------|-----------------|----------------------|----------------|------------|---------|
| GSM850    | 128     | 824.2           | 32.75                | 31.14          | 38.5       | PASS    |
| GSM850    | 190     | 836.6           | <b>32.92</b>         | <b>31.31</b>   | 38.5       | PASS    |
| GSM850    | 251     | 848.8           | 32.77                | 31.16          | 38.5       | PASS    |
| GSM1900   | 512     | 1850.2          | 29.64                | 30.34          | 33         | PASS    |
| GSM1900   | 661     | 1880            | 29.64                | 30.34          | 33         | PASS    |
| GSM1900   | 810     | 1909.8          | <b>29.66</b>         | <b>30.36</b>   | 33         | PASS    |
| GPRS850   | 128     | 824.2           | 32.77                | 31.16          | 38.5       | PASS    |
| GPRS850   | 190     | 836.6           | <b>32.93</b>         | <b>31.32</b>   | 38.5       | PASS    |
| GPRS850   | 251     | 848.8           | 32.78                | 31.17          | 38.5       | PASS    |
| GPRS1900  | 512     | 1850.2          | 29.65                | 30.35          | 33         | PASS    |
| GPRS1900  | 661     | 1880            | 29.63                | 30.33          | 33         | PASS    |
| GPRS1900  | 810     | 1909.8          | <b>29.69</b>         | <b>30.39</b>   | 33         | PASS    |
| EGPRS850  | 128     | 824.2           | 25.56                | 23.95          | 38.5       | PASS    |
| EGPRS850  | 190     | 836.6           | <b>25.62</b>         | <b>24.01</b>   | 38.5       | PASS    |
| EGPRS850  | 251     | 848.8           | 25.59                | 23.98          | 38.5       | PASS    |
| EGPRS1900 | 512     | 1850.2          | <b>24.59</b>         | <b>25.29</b>   | 33         | PASS    |
| EGPRS1900 | 661     | 1880            | 24.38                | 25.08          | 33         | PASS    |
| EGPRS1900 | 810     | 1909.8          | 24.40                | 25.10          | 33         | PASS    |

### WCDMA:

| Band  | Channel | Frequency (MHz) | Conducted Power(dBm) | ERP/EIRP (dBm) | Limit(dBm) | Verdict |
|-------|---------|-----------------|----------------------|----------------|------------|---------|
| Band2 | 9262    | 1852.4          | 22.92                | 23.62          | 33         | PASS    |
| Band2 | 9400    | 1880.0          | 22.95                | 23.65          | 33         | PASS    |
| Band2 | 9538    | 1907.6          | <b>23.07</b>         | <b>23.77</b>   | 33         | PASS    |
| Band5 | 4132    | 826.4           | 23.08                | 21.47          | 38.5       | PASS    |
| Band5 | 4182    | 836.4           | 23.17                | 21.56          | 38.5       | PASS    |
| Band5 | 4233    | 846.6           | <b>23.18</b>         | <b>21.57</b>   | 38.5       | PASS    |

**LTE:**

| LTE Band 2 ,Channel Bandwidth: 1.4 MHz |         |                 |                  |        |                               |            |              |       |         |
|----------------------------------------|---------|-----------------|------------------|--------|-------------------------------|------------|--------------|-------|---------|
| Modulation                             | Channel | Frequency (MHz) | RB Configuration |        | Conducted Average Power [dBm] | Antenna    | EIRP         | EIRP  | Verdict |
|                                        |         |                 |                  |        |                               | Gain [dBi] | [dBm]        | Limit |         |
|                                        |         |                 | Size             | Offset |                               |            |              | [dBm] |         |
| QPSK                                   | 18607   | 1850.7          | 1                | 0      | 23.80                         | 0.7        | 24.50        | 33    | Pass    |
|                                        |         |                 | 1                | 3      | <b>23.89</b>                  | 0.7        | <b>24.59</b> | 33    | Pass    |
|                                        |         |                 | 1                | 5      | 23.74                         | 0.7        | 24.44        | 33    | Pass    |
|                                        |         |                 | 3                | 0      | 23.54                         | 0.7        | 24.24        | 33    | Pass    |
|                                        |         |                 | 3                | 2      | 23.43                         | 0.7        | 24.13        | 33    | Pass    |
|                                        |         |                 | 3                | 3      | 23.87                         | 0.7        | 24.57        | 33    | Pass    |
|                                        |         |                 | 6                | 0      | 22.39                         | 0.7        | 23.09        | 33    | Pass    |
|                                        | 18900   | 1880            | 1                | 0      | 23.28                         | 0.7        | 23.98        | 33    | Pass    |
|                                        |         |                 | 1                | 3      | 23.32                         | 0.7        | 24.02        | 33    | Pass    |
|                                        |         |                 | 1                | 5      | 23.28                         | 0.7        | 23.98        | 33    | Pass    |
|                                        |         |                 | 3                | 0      | 23.35                         | 0.7        | 24.05        | 33    | Pass    |
|                                        |         |                 | 3                | 2      | 23.39                         | 0.7        | 24.09        | 33    | Pass    |
|                                        |         |                 | 3                | 3      | 23.36                         | 0.7        | 24.06        | 33    | Pass    |
|                                        |         |                 | 6                | 0      | 22.35                         | 0.7        | 23.05        | 33    | Pass    |
|                                        | 19193   | 1909.3          | 1                | 0      | 23.24                         | 0.7        | 23.94        | 33    | Pass    |
|                                        |         |                 | 1                | 3      | 23.32                         | 0.7        | 24.02        | 33    | Pass    |
|                                        |         |                 | 1                | 5      | 23.23                         | 0.7        | 23.93        | 33    | Pass    |
|                                        |         |                 | 3                | 0      | 23.33                         | 0.7        | 24.03        | 33    | Pass    |
|                                        |         |                 | 3                | 2      | 23.39                         | 0.7        | 24.09        | 33    | Pass    |
|                                        |         |                 | 3                | 3      | 23.37                         | 0.7        | 24.07        | 33    | Pass    |
|                                        |         |                 | 6                | 0      | 22.34                         | 0.7        | 23.04        | 33    | Pass    |
| 16QAM                                  | 18607   | 1850.7          | 1                | 0      | <b>23.03</b>                  | 0.7        | <b>23.73</b> | 33    | Pass    |
|                                        |         |                 | 1                | 3      | <b>23.03</b>                  | 0.7        | <b>23.73</b> | 33    | Pass    |
|                                        |         |                 | 1                | 5      | 22.78                         | 0.7        | 23.48        | 33    | Pass    |
|                                        |         |                 | 3                | 0      | 22.69                         | 0.7        | 23.39        | 33    | Pass    |
|                                        |         |                 | 3                | 2      | 22.57                         | 0.7        | 23.27        | 33    | Pass    |
|                                        |         |                 | 3                | 3      | 22.50                         | 0.7        | 23.20        | 33    | Pass    |
|                                        |         |                 | 6                | 0      | 21.44                         | 0.7        | 22.14        | 33    | Pass    |
|                                        | 18900   | 1880            | 1                | 0      | 22.58                         | 0.7        | 23.28        | 33    | Pass    |
|                                        |         |                 | 1                | 3      | 22.60                         | 0.7        | 23.30        | 33    | Pass    |
|                                        |         |                 | 1                | 5      | 22.45                         | 0.7        | 23.15        | 33    | Pass    |
|                                        |         |                 | 3                | 0      | 22.45                         | 0.7        | 23.15        | 33    | Pass    |
|                                        |         |                 | 3                | 2      | 22.48                         | 0.7        | 23.18        | 33    | Pass    |
|                                        |         |                 | 3                | 3      | 22.43                         | 0.7        | 23.13        | 33    | Pass    |
|                                        |         |                 | 6                | 0      | 21.46                         | 0.7        | 22.16        | 33    | Pass    |
|                                        | 19193   | 1909.3          | 1                | 0      | 22.51                         | 0.7        | 23.21        | 33    | Pass    |
|                                        |         |                 | 1                | 3      | 22.46                         | 0.7        | 23.16        | 33    | Pass    |
|                                        |         |                 | 1                | 5      | 22.51                         | 0.7        | 23.21        | 33    | Pass    |

|  |  |  |   |   |       |     |       |    |      |
|--|--|--|---|---|-------|-----|-------|----|------|
|  |  |  | 3 | 0 | 22.34 | 0.7 | 23.04 | 33 | Pass |
|  |  |  | 3 | 2 | 22.40 | 0.7 | 23.10 | 33 | Pass |
|  |  |  | 3 | 3 | 22.34 | 0.7 | 23.04 | 33 | Pass |
|  |  |  | 6 | 0 | 21.37 | 0.7 | 22.07 | 33 | Pass |

| LTE Band 2 ,Channel Bandwidth: 3 MHz |         |                 |                  |        |                               |            |              |       |         |
|--------------------------------------|---------|-----------------|------------------|--------|-------------------------------|------------|--------------|-------|---------|
| Modulation                           | Channel | Frequency (MHz) | RB Configuration |        | Conducted Average Power [dBm] | Antenna    | EIRP         | EIRP  | Verdict |
|                                      |         |                 |                  |        |                               | Gain [dBi] | [dBm]        | Limit |         |
|                                      |         |                 | Size             | Offset |                               |            |              | [dBm] |         |
| QPSK                                 | 18615   | 1851.5          | 1                | 0      | 24.06                         | 0.7        | 24.76        | 33    | Pass    |
|                                      |         |                 | 1                | 7      | <b>24.24</b>                  | 0.7        | <b>24.94</b> | 33    | Pass    |
|                                      |         |                 | 1                | 14     | 24.10                         | 0.7        | 24.80        | 33    | Pass    |
|                                      |         |                 | 8                | 0      | 23.08                         | 0.7        | 23.78        | 33    | Pass    |
|                                      |         |                 | 8                | 4      | 23.10                         | 0.7        | 23.80        | 33    | Pass    |
|                                      |         |                 | 8                | 7      | 23.08                         | 0.7        | 23.78        | 33    | Pass    |
|                                      |         |                 | 15               | 0      | 23.05                         | 0.7        | 23.75        | 33    | Pass    |
|                                      | 18900   | 1880            | 1                | 0      | 24.00                         | 0.7        | 24.70        | 33    | Pass    |
|                                      |         |                 | 1                | 7      | 24.10                         | 0.7        | 24.80        | 33    | Pass    |
|                                      |         |                 | 1                | 14     | 24.00                         | 0.7        | 24.70        | 33    | Pass    |
|                                      |         |                 | 8                | 0      | 23.03                         | 0.7        | 23.73        | 33    | Pass    |
|                                      |         |                 | 8                | 4      | 23.06                         | 0.7        | 23.76        | 33    | Pass    |
|                                      |         |                 | 8                | 7      | 23.03                         | 0.7        | 23.73        | 33    | Pass    |
|                                      |         |                 | 15               | 0      | 23.03                         | 0.7        | 23.73        | 33    | Pass    |
|                                      | 19185   | 1908.5          | 1                | 0      | 24.00                         | 0.7        | 24.70        | 33    | Pass    |
|                                      |         |                 | 1                | 7      | 24.09                         | 0.7        | 24.79        | 33    | Pass    |
|                                      |         |                 | 1                | 14     | 23.95                         | 0.7        | 24.65        | 33    | Pass    |
|                                      |         |                 | 8                | 0      | 23.02                         | 0.7        | 23.72        | 33    | Pass    |
|                                      |         |                 | 8                | 4      | 23.01                         | 0.7        | 23.71        | 33    | Pass    |
|                                      |         |                 | 8                | 7      | 22.97                         | 0.7        | 23.67        | 33    | Pass    |
|                                      |         |                 | 15               | 0      | 23.02                         | 0.7        | 23.72        | 33    | Pass    |
| 16QAM                                | 18615   | 1851.5          | 1                | 0      | 23.26                         | 0.7        | 23.96        | 33    | Pass    |
|                                      |         |                 | 1                | 7      | <b>23.38</b>                  | 0.7        | <b>24.08</b> | 33    | Pass    |
|                                      |         |                 | 1                | 14     | 23.36                         | 0.7        | 24.06        | 33    | Pass    |
|                                      |         |                 | 8                | 0      | 22.15                         | 0.7        | 22.85        | 33    | Pass    |
|                                      |         |                 | 8                | 4      | 22.13                         | 0.7        | 22.83        | 33    | Pass    |
|                                      |         |                 | 8                | 7      | 22.12                         | 0.7        | 22.82        | 33    | Pass    |
|                                      |         |                 | 15               | 0      | 22.03                         | 0.7        | 22.73        | 33    | Pass    |
|                                      | 18900   | 1880            | 1                | 0      | 23.24                         | 0.7        | 23.94        | 33    | Pass    |
|                                      |         |                 | 1                | 7      | 23.29                         | 0.7        | 23.99        | 33    | Pass    |
|                                      |         |                 | 1                | 14     | 23.26                         | 0.7        | 23.96        | 33    | Pass    |
|                                      |         |                 | 8                | 0      | 22.13                         | 0.7        | 22.83        | 33    | Pass    |
|                                      |         |                 | 8                | 4      | 22.11                         | 0.7        | 22.81        | 33    | Pass    |
|                                      |         |                 | 8                | 7      | 22.09                         | 0.7        | 22.79        | 33    | Pass    |

|  |       |        |    |    |       |     |       |    |      |
|--|-------|--------|----|----|-------|-----|-------|----|------|
|  | 19185 | 1908.5 | 15 | 0  | 22.02 | 0.7 | 22.72 | 33 | Pass |
|  |       |        | 1  | 0  | 23.21 | 0.7 | 23.91 | 33 | Pass |
|  |       |        | 1  | 7  | 23.25 | 0.7 | 23.95 | 33 | Pass |
|  |       |        | 1  | 14 | 23.11 | 0.7 | 23.81 | 33 | Pass |
|  |       |        | 8  | 0  | 22.08 | 0.7 | 22.78 | 33 | Pass |
|  |       |        | 8  | 4  | 22.02 | 0.7 | 22.72 | 33 | Pass |
|  |       |        | 8  | 7  | 22.00 | 0.7 | 22.70 | 33 | Pass |
|  |       |        | 15 | 0  | 21.97 | 0.7 | 22.67 | 33 | Pass |

| LTE Band 2 ,Channel Bandwidth: 5 MHz |         |                 |                  |        |                               |            |              |       |         |
|--------------------------------------|---------|-----------------|------------------|--------|-------------------------------|------------|--------------|-------|---------|
| Modulation                           | Channel | Frequency (MHz) | RB Configuration |        | Conducted Average Power [dBm] | Antenna    | EIRP         | EIRP  | Verdict |
|                                      |         |                 |                  |        |                               | Gain [dBi] | [dBm]        | Limit |         |
|                                      |         |                 | Size             | Offset |                               |            |              | [dBm] |         |
| QPSK                                 | 18625   | 1852.5          | 1                | 0      | 23.84                         | 0.7        | 24.54        | 33    | Pass    |
|                                      |         |                 | 1                | 12     | <b>24.18</b>                  | 0.7        | <b>24.88</b> | 33    | Pass    |
|                                      |         |                 | 1                | 24     | 23.89                         | 0.7        | 24.59        | 33    | Pass    |
|                                      |         |                 | 12               | 0      | 22.95                         | 0.7        | 23.65        | 33    | Pass    |
|                                      |         |                 | 12               | 6      | 23.03                         | 0.7        | 23.73        | 33    | Pass    |
|                                      |         |                 | 12               | 13     | 22.98                         | 0.7        | 23.68        | 33    | Pass    |
|                                      |         |                 | 25               | 0      | 22.97                         | 0.7        | 23.67        | 33    | Pass    |
|                                      | 18900   | 1880            | 1                | 0      | 23.83                         | 0.7        | 24.53        | 33    | Pass    |
|                                      |         |                 | 1                | 12     | 24.10                         | 0.7        | 24.80        | 33    | Pass    |
|                                      |         |                 | 1                | 24     | 23.82                         | 0.7        | 24.52        | 33    | Pass    |
|                                      |         |                 | 12               | 0      | 22.94                         | 0.7        | 23.64        | 33    | Pass    |
|                                      |         |                 | 12               | 6      | 22.99                         | 0.7        | 23.69        | 33    | Pass    |
|                                      |         |                 | 12               | 13     | 22.90                         | 0.7        | 23.60        | 33    | Pass    |
|                                      |         |                 | 25               | 0      | 22.96                         | 0.7        | 23.66        | 33    | Pass    |
|                                      | 19175   | 1907.5          | 1                | 0      | 23.82                         | 0.7        | 24.52        | 33    | Pass    |
|                                      |         |                 | 1                | 12     | 24.10                         | 0.7        | 24.80        | 33    | Pass    |
|                                      |         |                 | 1                | 24     | 23.78                         | 0.7        | 24.48        | 33    | Pass    |
|                                      |         |                 | 12               | 0      | 22.97                         | 0.7        | 23.67        | 33    | Pass    |
|                                      |         |                 | 12               | 6      | 23.03                         | 0.7        | 23.73        | 33    | Pass    |
|                                      |         |                 | 12               | 13     | 22.87                         | 0.7        | 23.57        | 33    | Pass    |
|                                      |         |                 | 25               | 0      | 22.98                         | 0.7        | 23.68        | 33    | Pass    |
| 16QAM                                | 18625   | 1852.5          | 1                | 0      | 23.05                         | 0.7        | 23.75        | 33    | Pass    |
|                                      |         |                 | 1                | 12     | <b>23.37</b>                  | 0.7        | <b>24.07</b> | 33    | Pass    |
|                                      |         |                 | 1                | 24     | 23.06                         | 0.7        | 23.76        | 33    | Pass    |
|                                      |         |                 | 12               | 0      | 21.97                         | 0.7        | 22.67        | 33    | Pass    |
|                                      |         |                 | 12               | 6      | 22.05                         | 0.7        | 22.75        | 33    | Pass    |
|                                      |         |                 | 12               | 13     | 21.99                         | 0.7        | 22.69        | 33    | Pass    |
|                                      |         |                 | 25               | 0      | 21.96                         | 0.7        | 22.66        | 33    | Pass    |
|                                      | 18900   | 1880            | 1                | 0      | 23.01                         | 0.7        | 23.71        | 33    | Pass    |
|                                      |         |                 | 1                | 12     | 23.30                         | 0.7        | 24.00        | 33    | Pass    |

|  |       |        |    |    |       |     |       |    |      |
|--|-------|--------|----|----|-------|-----|-------|----|------|
|  | 19175 | 1907.5 | 1  | 24 | 23.06 | 0.7 | 23.76 | 33 | Pass |
|  |       |        | 12 | 0  | 21.93 | 0.7 | 22.63 | 33 | Pass |
|  |       |        | 12 | 6  | 22.03 | 0.7 | 22.73 | 33 | Pass |
|  |       |        | 12 | 13 | 21.94 | 0.7 | 22.64 | 33 | Pass |
|  |       |        | 25 | 0  | 21.94 | 0.7 | 22.64 | 33 | Pass |
|  |       |        | 1  | 0  | 23.07 | 0.7 | 23.77 | 33 | Pass |
|  |       |        | 1  | 12 | 23.32 | 0.7 | 24.02 | 33 | Pass |
|  |       |        | 1  | 24 | 22.99 | 0.7 | 23.69 | 33 | Pass |
|  |       |        | 12 | 0  | 21.97 | 0.7 | 22.67 | 33 | Pass |
|  |       |        | 12 | 6  | 22.05 | 0.7 | 22.75 | 33 | Pass |
|  |       |        | 12 | 13 | 21.87 | 0.7 | 22.57 | 33 | Pass |
|  |       |        | 25 | 0  | 21.97 | 0.7 | 22.67 | 33 | Pass |

| LTE Band 2 ,Channel Bandwidth: 10 MHz |         |                 |                  |        |                               |            |       |       |         |
|---------------------------------------|---------|-----------------|------------------|--------|-------------------------------|------------|-------|-------|---------|
| Modulation                            | Channel | Frequency (MHz) | RB Configuration |        | Conducted Average Power [dBm] | Antenna    | EIRP  | EIRP  | Verdict |
|                                       |         |                 |                  |        |                               | Gain [dBi] | [dBm] | Limit |         |
|                                       |         |                 | Size             | Offset |                               |            |       | [dBm] |         |
| QPSK                                  | 18650   | 1855            | 1                | 0      | 23.86                         | 0.7        | 24.56 | 33    | Pass    |
|                                       |         |                 | 1                | 24     | 24.08                         | 0.7        | 24.78 | 33    | Pass    |
|                                       |         |                 | 1                | 49     | 23.86                         | 0.7        | 24.56 | 33    | Pass    |
|                                       |         |                 | 25               | 0      | 22.95                         | 0.7        | 23.65 | 33    | Pass    |
|                                       |         |                 | 25               | 12     | 23.00                         | 0.7        | 23.70 | 33    | Pass    |
|                                       |         |                 | 25               | 25     | 23.00                         | 0.7        | 23.70 | 33    | Pass    |
|                                       |         |                 | 50               | 0      | 22.99                         | 0.7        | 23.69 | 33    | Pass    |
|                                       | 18900   | 1880            | 1                | 0      | 23.87                         | 0.7        | 24.57 | 33    | Pass    |
|                                       |         |                 | 1                | 24     | 24.04                         | 0.7        | 24.74 | 33    | Pass    |
|                                       |         |                 | 1                | 49     | 23.85                         | 0.7        | 24.55 | 33    | Pass    |
|                                       |         |                 | 25               | 0      | 22.99                         | 0.7        | 23.69 | 33    | Pass    |
|                                       |         |                 | 25               | 12     | 23.02                         | 0.7        | 23.72 | 33    | Pass    |
|                                       |         |                 | 25               | 25     | 22.95                         | 0.7        | 23.65 | 33    | Pass    |
|                                       |         |                 | 50               | 0      | 22.98                         | 0.7        | 23.68 | 33    | Pass    |
|                                       | 19150   | 1905            | 1                | 0      | 23.80                         | 0.7        | 24.50 | 33    | Pass    |
|                                       |         |                 | 1                | 24     | 24.06                         | 0.7        | 24.76 | 33    | Pass    |
|                                       |         |                 | 1                | 49     | 23.53                         | 0.7        | 24.23 | 33    | Pass    |
|                                       |         |                 | 25               | 0      | 22.93                         | 0.7        | 23.63 | 33    | Pass    |
|                                       |         |                 | 25               | 12     | 23.03                         | 0.7        | 23.73 | 33    | Pass    |
|                                       |         |                 | 25               | 25     | 22.94                         | 0.7        | 23.64 | 33    | Pass    |
|                                       |         |                 | 50               | 0      | 22.82                         | 0.7        | 23.52 | 33    | Pass    |
| 16QAM                                 | 18650   | 1855            | 1                | 0      | 23.18                         | 0.7        | 23.88 | 33    | Pass    |
|                                       |         |                 | 1                | 24     | 23.20                         | 0.7        | 23.90 | 33    | Pass    |
|                                       |         |                 | 1                | 49     | 23.08                         | 0.7        | 23.78 | 33    | Pass    |
|                                       |         |                 | 25               | 0      | 21.94                         | 0.7        | 22.64 | 33    | Pass    |
|                                       |         |                 | 25               | 12     | 22.02                         | 0.7        | 22.72 | 33    | Pass    |
|                                       |         |                 | 25               | 25     | 21.98                         | 0.7        | 22.68 | 33    | Pass    |

|  |       |      |    |    |              |     |              |    |      |
|--|-------|------|----|----|--------------|-----|--------------|----|------|
|  | 18900 | 1880 | 50 | 0  | 21.97        | 0.7 | 22.67        | 33 | Pass |
|  |       |      | 1  | 0  | 23.01        | 0.7 | 23.71        | 33 | Pass |
|  |       |      | 1  | 24 | <b>23.25</b> | 0.7 | <b>23.95</b> | 33 | Pass |
|  |       |      | 1  | 49 | 23.08        | 0.7 | 23.78        | 33 | Pass |
|  |       |      | 25 | 0  | 21.97        | 0.7 | 22.67        | 33 | Pass |
|  |       |      | 25 | 12 | 21.99        | 0.7 | 22.69        | 33 | Pass |
|  |       |      | 25 | 25 | 21.96        | 0.7 | 22.66        | 33 | Pass |
|  |       |      | 50 | 0  | 21.96        | 0.7 | 22.66        | 33 | Pass |
|  | 19150 | 1905 | 1  | 0  | 23.06        | 0.7 | 23.76        | 33 | Pass |
|  |       |      | 1  | 24 | 23.15        | 0.7 | 23.85        | 33 | Pass |
|  |       |      | 1  | 49 | 22.72        | 0.7 | 23.42        | 33 | Pass |
|  |       |      | 25 | 0  | 21.99        | 0.7 | 22.69        | 33 | Pass |
|  |       |      | 25 | 12 | 22.03        | 0.7 | 22.73        | 33 | Pass |
|  |       |      | 25 | 25 | 21.83        | 0.7 | 22.53        | 33 | Pass |
|  |       |      | 50 | 0  | 21.95        | 0.7 | 22.65        | 33 | Pass |

| LTE Band 2 ,Channel Bandwidth: 15 MHz |         |                 |                  |        |                               |            |              |       |         |
|---------------------------------------|---------|-----------------|------------------|--------|-------------------------------|------------|--------------|-------|---------|
| Modulation                            | Channel | Frequency (MHz) | RB Configuration |        | Conducted Average Power [dBm] | Antenna    | EIRP         | EIRP  | Verdict |
|                                       |         |                 |                  |        |                               | Gain [dBi] | [dBm]        | Limit |         |
|                                       |         |                 | Size             | Offset |                               |            |              | [dBm] |         |
| QPSK                                  | 18675   | 1857.5          | 1                | 0      | 23.77                         | 0.7        | 24.47        | 33    | Pass    |
|                                       |         |                 | 1                | 37     | <b>23.89</b>                  | 0.7        | <b>24.59</b> | 33    | Pass    |
|                                       |         |                 | 1                | 74     | 23.79                         | 0.7        | 24.49        | 33    | Pass    |
|                                       |         |                 | 37               | 0      | 23.74                         | 0.7        | 24.44        | 33    | Pass    |
|                                       |         |                 | 37               | 18     | 23.41                         | 0.7        | 24.11        | 33    | Pass    |
|                                       |         |                 | 37               | 38     | 23.55                         | 0.7        | 24.25        | 33    | Pass    |
|                                       |         |                 | 75               | 0      | 22.42                         | 0.7        | 23.12        | 33    | Pass    |
|                                       | 18900   | 1880            | 1                | 0      | 23.22                         | 0.7        | 23.92        | 33    | Pass    |
|                                       |         |                 | 1                | 37     | 23.40                         | 0.7        | 24.10        | 33    | Pass    |
|                                       |         |                 | 1                | 74     | 23.28                         | 0.7        | 23.98        | 33    | Pass    |
|                                       |         |                 | 37               | 0      | 23.21                         | 0.7        | 23.91        | 33    | Pass    |
|                                       |         |                 | 37               | 18     | 23.39                         | 0.7        | 24.09        | 33    | Pass    |
|                                       |         |                 | 37               | 38     | 23.53                         | 0.7        | 24.23        | 33    | Pass    |
|                                       |         |                 | 75               | 0      | 22.44                         | 0.7        | 23.14        | 33    | Pass    |
|                                       | 19125   | 1902.5          | 1                | 0      | 23.22                         | 0.7        | 23.92        | 33    | Pass    |
|                                       |         |                 | 1                | 37     | 23.41                         | 0.7        | 24.11        | 33    | Pass    |
|                                       |         |                 | 1                | 74     | 23.24                         | 0.7        | 23.94        | 33    | Pass    |
|                                       |         |                 | 37               | 0      | 23.21                         | 0.7        | 23.91        | 33    | Pass    |
|                                       |         |                 | 37               | 18     | 23.33                         | 0.7        | 24.03        | 33    | Pass    |
|                                       |         |                 | 37               | 38     | 23.53                         | 0.7        | 24.23        | 33    | Pass    |
|                                       |         |                 | 75               | 0      | 22.45                         | 0.7        | 23.15        | 33    | Pass    |
| 16QAM                                 | 18675   | 1857.5          | 1                | 0      | 22.95                         | 0.7        | 23.65        | 33    | Pass    |
|                                       |         |                 | 1                | 37     | <b>23.16</b>                  | 0.7        | <b>23.86</b> | 33    | Pass    |
|                                       |         |                 | 1                | 74     | 23.07                         | 0.7        | 23.77        | 33    | Pass    |

|  |       |        |    |    |       |     |       |    |      |
|--|-------|--------|----|----|-------|-----|-------|----|------|
|  |       |        | 37 | 0  | 22.55 | 0.7 | 23.25 | 33 | Pass |
|  |       |        | 37 | 18 | 22.66 | 0.7 | 23.36 | 33 | Pass |
|  |       |        | 37 | 38 | 22.85 | 0.7 | 23.55 | 33 | Pass |
|  |       |        | 75 | 0  | 21.43 | 0.7 | 22.13 | 33 | Pass |
|  | 18900 | 1880   | 1  | 0  | 22.49 | 0.7 | 23.19 | 33 | Pass |
|  |       |        | 1  | 37 | 22.72 | 0.7 | 23.42 | 33 | Pass |
|  |       |        | 1  | 74 | 22.55 | 0.7 | 23.25 | 33 | Pass |
|  |       |        | 37 | 0  | 22.38 | 0.7 | 23.08 | 33 | Pass |
|  |       |        | 37 | 18 | 22.59 | 0.7 | 23.29 | 33 | Pass |
|  |       |        | 37 | 38 | 22.72 | 0.7 | 23.42 | 33 | Pass |
|  |       |        | 75 | 0  | 21.46 | 0.7 | 22.16 | 33 | Pass |
|  | 19125 | 1902.5 | 1  | 0  | 22.43 | 0.7 | 23.13 | 33 | Pass |
|  |       |        | 1  | 37 | 22.63 | 0.7 | 23.33 | 33 | Pass |
|  |       |        | 1  | 74 | 22.40 | 0.7 | 23.10 | 33 | Pass |
|  |       |        | 37 | 0  | 22.36 | 0.7 | 23.06 | 33 | Pass |
|  |       |        | 37 | 18 | 22.49 | 0.7 | 23.19 | 33 | Pass |
|  |       |        | 37 | 38 | 22.65 | 0.7 | 23.35 | 33 | Pass |
|  |       |        | 75 | 0  | 21.42 | 0.7 | 22.12 | 33 | Pass |

| LTE Band 2 ,Channel Bandwidth: 20 MHz |         |                 |                  |      |                               |            |       |       |         |
|---------------------------------------|---------|-----------------|------------------|------|-------------------------------|------------|-------|-------|---------|
| Modulation                            | Channel | Frequency (MHz) | RB Configuration |      | Conducted Average Power [dBm] | Antenna    | EIRP  | EIRP  | Verdict |
|                                       |         |                 |                  |      |                               | Gain [dBi] | [dBm] | Limit |         |
|                                       |         |                 |                  | Size |                               | Offset     |       |       |         |
| QPSK                                  | 18700   | 1860            | 1                | 0    | 23.55                         | 0.7        | 24.25 | 33    | Pass    |
|                                       |         |                 | 1                | 49   | 23.97                         | 0.7        | 24.67 | 33    | Pass    |
|                                       |         |                 | 1                | 99   | 23.40                         | 0.7        | 24.10 | 33    | Pass    |
|                                       |         |                 | 50               | 0    | 22.35                         | 0.7        | 23.05 | 33    | Pass    |
|                                       |         |                 | 50               | 25   | 22.45                         | 0.7        | 23.15 | 33    | Pass    |
|                                       |         |                 | 50               | 50   | 22.45                         | 0.7        | 23.15 | 33    | Pass    |
|                                       |         |                 | 100              | 0    | 22.37                         | 0.7        | 23.07 | 33    | Pass    |
|                                       | 18900   | 1880            | 1                | 0    | 23.04                         | 0.7        | 23.74 | 33    | Pass    |
|                                       |         |                 | 1                | 49   | 23.48                         | 0.7        | 24.18 | 33    | Pass    |
|                                       |         |                 | 1                | 99   | 23.08                         | 0.7        | 23.78 | 33    | Pass    |
|                                       |         |                 | 50               | 0    | 22.44                         | 0.7        | 23.14 | 33    | Pass    |
|                                       |         |                 | 50               | 25   | 22.46                         | 0.7        | 23.16 | 33    | Pass    |
|                                       |         |                 | 50               | 50   | 22.44                         | 0.7        | 23.14 | 33    | Pass    |
|                                       |         |                 | 100              | 0    | 22.46                         | 0.7        | 23.16 | 33    | Pass    |
|                                       | 19100   | 1900            | 1                | 0    | 23.06                         | 0.7        | 23.76 | 33    | Pass    |
|                                       |         |                 | 1                | 49   | 23.47                         | 0.7        | 24.17 | 33    | Pass    |
|                                       |         |                 | 1                | 99   | 23.13                         | 0.7        | 23.83 | 33    | Pass    |
|                                       |         |                 | 50               | 0    | 22.48                         | 0.7        | 23.18 | 33    | Pass    |
|                                       |         |                 | 50               | 25   | 22.46                         | 0.7        | 23.16 | 33    | Pass    |
|                                       |         |                 | 50               | 50   | 22.34                         | 0.7        | 23.04 | 33    | Pass    |
|                                       |         |                 | 100              | 0    | 22.44                         | 0.7        | 23.14 | 33    | Pass    |

|       |       |      |     |    |              |     |              |    |      |
|-------|-------|------|-----|----|--------------|-----|--------------|----|------|
| 16QAM | 18700 | 1860 | 1   | 0  | 22.82        | 0.7 | 23.52        | 33 | Pass |
|       |       |      | 1   | 49 | <b>23.11</b> | 0.7 | <b>23.81</b> | 33 | Pass |
|       |       |      | 1   | 99 | 22.62        | 0.7 | 23.32        | 33 | Pass |
|       |       |      | 50  | 0  | 21.42        | 0.7 | 22.12        | 33 | Pass |
|       |       |      | 50  | 25 | 21.45        | 0.7 | 22.15        | 33 | Pass |
|       |       |      | 50  | 50 | 21.46        | 0.7 | 22.16        | 33 | Pass |
|       |       |      | 100 | 0  | 21.39        | 0.7 | 22.09        | 33 | Pass |
|       | 18900 | 1880 | 1   | 0  | 22.35        | 0.7 | 23.05        | 33 | Pass |
|       |       |      | 1   | 49 | 22.81        | 0.7 | 23.51        | 33 | Pass |
|       |       |      | 1   | 99 | 22.46        | 0.7 | 23.16        | 33 | Pass |
|       |       |      | 50  | 0  | 21.42        | 0.7 | 22.12        | 33 | Pass |
|       |       |      | 50  | 25 | 21.47        | 0.7 | 22.17        | 33 | Pass |
|       |       |      | 50  | 50 | 21.45        | 0.7 | 22.15        | 33 | Pass |
|       |       |      | 100 | 0  | 21.48        | 0.7 | 22.18        | 33 | Pass |
|       | 19100 | 1900 | 1   | 0  | 22.39        | 0.7 | 23.09        | 33 | Pass |
|       |       |      | 1   | 49 | 22.61        | 0.7 | 23.31        | 33 | Pass |
|       |       |      | 1   | 99 | 22.34        | 0.7 | 23.04        | 33 | Pass |
|       |       |      | 50  | 0  | 21.48        | 0.7 | 22.18        | 33 | Pass |
|       |       |      | 50  | 25 | 21.45        | 0.7 | 22.15        | 33 | Pass |
|       |       |      | 50  | 50 | 21.32        | 0.7 | 22.02        | 33 | Pass |
|       |       |      | 100 | 0  | 21.41        | 0.7 | 22.11        | 33 | Pass |

| LTE Band 4 ,Channel Bandwidth: 1.4 MHz |         |                 |                  |        |                               |            |       |       |         |
|----------------------------------------|---------|-----------------|------------------|--------|-------------------------------|------------|-------|-------|---------|
| Modulation                             | Channel | Frequency (MHz) | RB Configuration |        | Conducted Average Power [dBm] | Antenna    | EIRP  | EIRP  | Verdict |
|                                        |         |                 |                  |        |                               | Gain [dBi] | [dBm] | Limit |         |
|                                        |         |                 | Size             | Offset |                               |            |       | [dBm] |         |
| QPSK                                   | 19957   | 1710.7          | 1                | 0      | 23.67                         | 0.76       | 24.43 | 30    | Pass    |
|                                        |         |                 | 1                | 3      | 23.82                         | 0.76       | 24.58 | 30    | Pass    |
|                                        |         |                 | 1                | 5      | 23.71                         | 0.76       | 24.47 | 30    | Pass    |
|                                        |         |                 | 3                | 0      | 23.81                         | 0.76       | 24.57 | 30    | Pass    |
|                                        |         |                 | 3                | 2      | 23.85                         | 0.76       | 24.61 | 30    | Pass    |
|                                        |         |                 | 3                | 3      | 23.79                         | 0.76       | 24.55 | 30    | Pass    |
|                                        |         |                 | 6                | 0      | 22.81                         | 0.76       | 23.57 | 30    | Pass    |
|                                        | 20175   | 1732.5          | 1                | 0      | 23.63                         | 0.76       | 24.39 | 30    | Pass    |
|                                        |         |                 | 1                | 3      | 23.72                         | 0.76       | 24.48 | 30    | Pass    |
|                                        |         |                 | 1                | 5      | 23.63                         | 0.76       | 24.39 | 30    | Pass    |
|                                        |         |                 | 3                | 0      | 23.74                         | 0.76       | 24.50 | 30    | Pass    |
|                                        |         |                 | 3                | 2      | 23.78                         | 0.76       | 24.54 | 30    | Pass    |
|                                        |         |                 | 3                | 3      | 23.75                         | 0.76       | 24.51 | 30    | Pass    |
|                                        |         |                 | 6                | 0      | 22.76                         | 0.76       | 23.52 | 30    | Pass    |
|                                        | 20393   | 1754.3          | 1                | 0      | 23.66                         | 0.76       | 24.42 | 30    | Pass    |
|                                        |         |                 | 1                | 3      | 23.62                         | 0.76       | 24.38 | 30    | Pass    |
|                                        |         |                 | 1                | 5      | 23.20                         | 0.76       | 23.96 | 30    | Pass    |
|                                        |         |                 | 3                | 0      | 23.26                         | 0.76       | 24.02 | 30    | Pass    |

|       |       |        |   |   |              |      |              |    |      |
|-------|-------|--------|---|---|--------------|------|--------------|----|------|
| 16QAM | 19957 | 1710.7 | 3 | 2 | 23.29        | 0.76 | 24.05        | 30 | Pass |
|       |       |        | 3 | 3 | 23.27        | 0.76 | 24.03        | 30 | Pass |
|       |       |        | 6 | 0 | 22.25        | 0.76 | 23.01        | 30 | Pass |
|       |       |        | 1 | 0 | 22.82        | 0.76 | 23.58        | 30 | Pass |
|       |       |        | 1 | 3 | <b>23.07</b> | 0.76 | <b>23.83</b> | 30 | Pass |
|       |       |        | 1 | 5 | 22.85        | 0.76 | 23.61        | 30 | Pass |
|       |       |        | 3 | 0 | 22.86        | 0.76 | 23.62        | 30 | Pass |
|       |       |        | 3 | 2 | 22.83        | 0.76 | 23.59        | 30 | Pass |
|       |       |        | 3 | 3 | 22.85        | 0.76 | 23.61        | 30 | Pass |
|       |       |        | 6 | 0 | 21.82        | 0.76 | 22.58        | 30 | Pass |
|       | 20175 | 1732.5 | 1 | 0 | 22.87        | 0.76 | 23.63        | 30 | Pass |
|       |       |        | 1 | 3 | 22.90        | 0.76 | 23.66        | 30 | Pass |
|       |       |        | 1 | 5 | 22.78        | 0.76 | 23.54        | 30 | Pass |
|       |       |        | 3 | 0 | 22.80        | 0.76 | 23.56        | 30 | Pass |
|       |       |        | 3 | 2 | 22.77        | 0.76 | 23.53        | 30 | Pass |
|       |       |        | 3 | 3 | 22.75        | 0.76 | 23.51        | 30 | Pass |
|       |       |        | 6 | 0 | 21.81        | 0.76 | 22.57        | 30 | Pass |
|       | 20393 | 1754.3 | 1 | 0 | 22.94        | 0.76 | 23.70        | 30 | Pass |
|       |       |        | 1 | 3 | 22.83        | 0.76 | 23.59        | 30 | Pass |
|       |       |        | 1 | 5 | 22.35        | 0.76 | 23.11        | 30 | Pass |
|       |       |        | 3 | 0 | 22.30        | 0.76 | 23.06        | 30 | Pass |
|       |       |        | 3 | 2 | 22.39        | 0.76 | 23.15        | 30 | Pass |
|       |       |        | 3 | 3 | 22.30        | 0.76 | 23.06        | 30 | Pass |
|       |       |        | 6 | 0 | 21.34        | 0.76 | 22.10        | 30 | Pass |

| LTE Band 4 ,Channel Bandwidth: 3 MHz |         |                 |                  |        |                               |            |              |       |         |
|--------------------------------------|---------|-----------------|------------------|--------|-------------------------------|------------|--------------|-------|---------|
| Modulation                           | Channel | Frequency (MHz) | RB Configuration |        | Conducted Average Power [dBm] | Antenna    | EIRP         | EIRP  | Verdict |
|                                      |         |                 |                  |        |                               | Gain [dBi] | [dBm]        | Limit |         |
|                                      |         |                 | Size             | Offset |                               |            |              | [dBm] |         |
| QPSK                                 | 19965   | 1711.5          | 1                | 0      | 23.72                         | 0.76       | 24.48        | 30    | Pass    |
|                                      |         |                 | 1                | 7      | <b>23.74</b>                  | 0.76       | <b>24.50</b> | 30    | Pass    |
|                                      |         |                 | 1                | 14     | 23.21                         | 0.76       | 23.97        | 30    | Pass    |
|                                      |         |                 | 8                | 0      | 22.25                         | 0.76       | 23.01        | 30    | Pass    |
|                                      |         |                 | 8                | 4      | 22.29                         | 0.76       | 23.05        | 30    | Pass    |
|                                      |         |                 | 8                | 7      | 22.26                         | 0.76       | 23.02        | 30    | Pass    |
|                                      |         |                 | 15               | 0      | 22.24                         | 0.76       | 23.00        | 30    | Pass    |
|                                      | 20175   | 1732.5          | 1                | 0      | 23.16                         | 0.76       | 23.92        | 30    | Pass    |
|                                      |         |                 | 1                | 7      | 23.35                         | 0.76       | 24.11        | 30    | Pass    |
|                                      |         |                 | 1                | 14     | 23.17                         | 0.76       | 23.93        | 30    | Pass    |
|                                      |         |                 | 8                | 0      | 22.23                         | 0.76       | 22.99        | 30    | Pass    |
|                                      |         |                 | 8                | 4      | 22.24                         | 0.76       | 23.00        | 30    | Pass    |
|                                      |         |                 | 8                | 7      | 22.19                         | 0.76       | 22.95        | 30    | Pass    |
|                                      |         |                 | 15               | 0      | 22.20                         | 0.76       | 22.96        | 30    | Pass    |
|                                      | 20385   | 1753.5          | 1                | 0      | 23.18                         | 0.76       | 23.94        | 30    | Pass    |