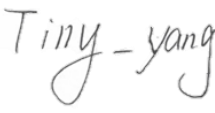



RF Test Report

For

Beijing Inhand Networks Technology Co., Ltd.

| | |
|-----------------------------|--|
| Test Standards: | <u>FCC 47 CFR Part 2, 22(H), 24(E), 27</u> <u>IC RSS-130 issue 2, IC RSS-132 issue 3</u> <u>IC RSS-133 issue 6, IC RSS-139 issue 3</u> |
| Product Description: | <u>InVehicle Gateway</u> |
| Brand Name: | <u>InHand</u> |
| Model Name: | <u>VG710</u> |
| FCC ID: | <u>2AANYVG710</u> |
| IC: | <u>11594A-VG710</u> |
| Classification | <u>PCS Licensed Transmitter (PCB)</u> |
| Report No.: | <u>EC2001002RF03</u> |
| Tested Date: | <u>2020-02-16 to 2020-03-01</u> |
| Issued Date: | <u>2020-03-02</u> |
| Tested/ Prepared By: |  _____ Tiny Yang/ Engineer |
| Approved By: |  _____ Bacon Wu / RF Manager |

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Note: The test results in this report apply exclusively to the tested model / sample. Without written approval of

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Report Revise Record

| Report Version | Revise Time | Issued Date | Valid Version | Notes |
|--|-------------|-------------|---------------|-----------------|
| V1.0 | / | 2020.03.02 | Valid | Original Report |
| Note: This report was based on the test report No. MDE_GEMALTO_1711_FCCa_rev1. The FCC ID: 2AANYVG710 IC: 11594A-VG710 is the host device, and the host device contains LTE module certified on 11/27/2017 with "FCC ID: QIPPLAS9-X" "IC: 7830A-PLAS9X". | | | | |

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SUMMARY OF TEST RESULT

| Report Section | FCC Rule | Description | Limit | Result | Remark |
|----------------|---|---|-------------------------------------|--------|--------|
| 4.2 | §2.1046 | Conducted Output Power | Reporting Only | PASS | - |
| | §22.913(a)(2) | Effective Radiated Power | < 7 Watts | PASS | - |
| | §27.50(b)(10) | Effective Radiated Power | < 3 Watt | PASS | |
| | §27.50(d)(4) | Effective Isotropic Radiated Power | < 1 Watts | PASS | |
| | §24.232(c) | Effective Isotropic Radiated Power | < 2 Watts | PASS | - |
| 4.3 | §22.913(d) §24.232(d) §27.50(a)(1)(B) | Peak-to-Average Ratio | < 13 dB | Note 1 | - |
| 4.4 | §2.1049 §22.917(b) §24.238(b) §27.53(g) | Occupied Bandwidth | Reporting Only | Note 1 | - |
| 4.5 | §2.1051 §22.917(a) §24.238(a) §27.53(g) §27.53(h) | Band Edge Measurement | < 43+10log ₁₀ (P[Watts]) | Note 1 | - |
| 4.6 | §2.1051 §22.917(a) §24.238(a) §27.53(g) §27.53(h) | Conducted Emission | < 43+10log ₁₀ (P[Watts]) | Note 1 | - |
| 4.7 | §2.1055 §22.355 | Frequency Stability for Temperature & Voltage | < 2.5 ppm | Note 1 | - |
| | §2.1055 §24.235 §27.54 | | Within Authorized Band | | |

| | | | | | |
|-----|--|--------------------------------------|-------------------------------------|------|--|
| 5.2 | §2.1053 §22.917(a) §24.238(a) §27.53(g) | Field Strength of Spurious Radiation | $< 43+10\log_{10}(P[\text{Watts}])$ | PASS | Under limit 34.41 dB at 2676 MHz |
|-----|--|--------------------------------------|-------------------------------------|------|--|

Note 1: Refer to the test report MDE_GEMALTO_1711_FCCa_rev1 under certified "FCC ID: QIPPLAS9-X" "IC: 7830A-PLAS9X".

| Report Section | IC Rule | Description | Limit | Result | Remark |
|----------------|--|-------------------------------------|-------------------------------------|--------|--------|
| 4.2 | RSS-130 (4.6) RSS-132 (5.4) RSS-133 (6.4) RSS-139 (6.5) | Conducted Output Power | Reporting Only | PASS | - |
| | RSS-130 (4.6) SRSP-518 | Equivalent Isotropic Radiated Power | < 5 Watts | PASS | - |
| | RSS-132(5.4) SRSP-503(5.1.3) | | < 11.5 Watts | PASS | - |
| | RSS-133(6.4) SRSP-510(5.1.2) | | < 2 Watts | PASS | - |
| | RSS-139(6.5) SRSP-513(5.1.2) | | < 1 Watts | PASS | - |
| 4.3 | RSS-130 (4.6) RSS-132 (5.4) RSS-133 (6.4) RSS-139 (6.5) | Peak-to-Average Ratio | < 13 dB | Note 1 | - |
| 4.4 | RSS-GEN(6.6) RSS-130 (4.5) RSS-132(3.1) RSS-133(3.1) RSS-139 (3.1) | Occupied Bandwidth | Reporting Only | Note 1 | - |
| 4.5 | RSS-130 (4.7) RSS-132 (5.5) RSS-133 (6.5) RSS-139 (6.6) | Band Edge Measurement | $< 43+10\log_{10}(P[\text{Watts}])$ | Note 1 | - |
| 4.6 | RSS-130 (4.7) RSS-132 (5.5) RSS-133 (6.5) RSS-139 (6.6) | Conducted Emission | $< 43+10\log_{10}(P[\text{Watts}])$ | Note 1 | - |

| | | | | | |
|-----|--|--|-------------------------------------|--------|--|
| 4.7 | RSS-GEN(6.11) RSS-132 (5.3) | Frequency Stability for Temperature & Voltage | < 2.5 ppm | Note 1 | - |
| | RSS-GEN(6.11) RSS-130 (4.5) RSS-133 (6.3) RSS-139 (6.4) | | Within Authorized Band | | |
| 5.2 | RSS-130 (4.7) RSS-132 (5.5) RSS-133 (6.5) RSS-139 (6.6) | Field Strength of Spurious Radiation | < 43+10log ₁₀ (P[Watts]) | PASS | Under limit 34.41 dB at 2676 MHz |

Note 1: Refer to the test report MDE_GEMALTO_1711_FCCa_rev1 under certified "FCC ID: QIPPLAS9-X" "IC: 7830A-PLAS9X".

1 Test Laboratory

1.1 Test facility

CNAS (accreditation number: L11138)

Hunan Ecloud Testing Technology Co., Ltd. has obtained the accreditation of China National Accreditation Service for Conformity Assessment (CNAS).

FCC (Designation number: CN1244 , Test Firm Registration Number: 793308)

Hunan Ecloud Testing Technology Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

ISED(CAB identifier: CN0012)

Hunan Ecloud Testing Technology Co., Ltd. has been listed on the Wireless Device Testing Laboratories list of innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements.

A2LA (Certificate Number: 4895.01)

Hunan Ecloud Testing Technology Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

2 General Description

2.1 Applicant

Beijing Inhand Networks Technology Co., Ltd.
 Room 501, floor 5, building 3, yard 18, ziyue road, chaoyang district, Beijing

2.2 Manufacturer

Beijing Inhand Networks Technology Co., Ltd.
 Room 501, floor 5, building 3, yard 18, ziyue road, chaoyang district, Beijing

2.3 Product Feature of Equipment Under Test

| Product Feature | | |
|----------------------------|---|---|
| Equipment | InVehicle Gateway | |
| Brand Name | Inhand | |
| Model Name | VG710 | |
| Nominal Voltage | 24 Vdc From DC Source Input AC120V/60Hz | |
| Modulation Type | GPRS/EGPRS | GMSK / 8PSK |
| | WCDMA | BPSK |
| | LTE | QPSK,16QAM |
| Operating Frequency | GPRS/EGPRS | 850: 824.2 MHz ~ 848.8 MHz 1900:1850.2 MHz ~ 1909.8MHz |
| | WCDMA | 826.4 MHz ~ 846.6 MHz (FOR WCDMA 850) 1712.4 MHz ~ 1752.6 MHz (FOR WCDMA 1700) 1852.4 MHz ~ 1907.6 MHz (FOR WCDMA 1900) |
| | LTE | LTE Band 2: 1850.7 MHz ~ 1909.3 MHz LTE Band 4: 1710.7 MHz ~ 1754.3 MHz LTE Band 5: 824.7 MHz ~ 848.3 MHz LTE Band 12: 699.7 MHz ~ 715.3 MHz LTE Band 13: 779.5 MHz ~ 784.5 MHz |
| HW Version | V12 | |
| SW Version | V1.0.0 | |
| EUT Stage | Production Unit | |

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's

manual for more detailed description.

2. The EUT was investigated in three orthogonal orientations X/Y/Z on antennas. For Main antenna, it was determined that worst-case orientation Y (Landscape) orientation.
3. Antenna listed as below

| Cable No. | Description | Connector | Length | Supplied by |
|-----------|--------------|-----------|--------|-------------|
| 1 | WIFI Antenna | RP-SMA-J | 20cm | Applicant |
| 2 | WIFI Antenna | RP-SMA-J | 20cm | Applicant |
| 3 | GPS Antenna | SMA-J | 2.0m | Applicant |
| 4 | 4G Antenna | SMA-J | 2.0m | Applicant |
| 5 | 4G Antenna | SMA-J | 2.0m | Applicant |

2.4 Product Specification of Equipment Under Test

| Standards-related Product Specification | |
|---|--|
| Tx Frequency | GPRS/EGPRS: 850: 824.2 MHz ~ 848.8 MHz 1900: 1850.2 MHz ~ 1909.8MHz WCDMA: Band V: 826.4 MHz ~ 846.6 MHz Band IV: 1712.4 MHz ~ 1752.6 MHz Band II: 1852.4 MHz ~ 1907.6 MHz LTE Band 2: 1850.7 MHz ~ 1909.3 MHz Band 4: 1710.7 MHz ~ 1754.3 MHz Band 5: 824.7 MHz ~ 848.3 MHz Band 12: 699.7 MHz ~ 715.3 MHz Band 13 779.5 MHz ~ 784.5 MHz |
| Rx Frequency | GPRS/EGPRS: 850: 824.2 MHz ~ 848.8 MHz 1900: 1850.2 MHz ~ 1909.8MHz WCDMA: Band V: 871.4 MHz ~ 891.6 MHz Band IV: 2112.4 MHz ~ 2152.6 MHz Band II: 1932.4 MHz ~ 1987.6 MHz LTE Band 2 1930.7 MHz ~ 1989.3 MHz Band 4 2110.7 MHz ~ 2154.3 MHz Band 5 869.7 MHz ~ 893.3 MHz Band 12 729.7 MHz ~ 745.3 MHz Band 13 748.5 MHz ~ 753.5 MHz |
| Maximum EIRP Power | GPRS/EGPRS: 850: 33.87 dBm 1900: 32.67 dBm WCDMA: Band V: 26.22 dBm Band IV: 26.64 dBm Band II: 24.99 dBm LTE Band 2 25.97 dBm |

| | |
|-------------------------------------|---|
| | Band 4 26.63 dBm Band 5 24.17 dBm Band 12 23.37 dBm Band 13 22.63 dBm |
| Bandwidth | LTE Band 2 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 5 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 12 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13 : 5MHz / 10MHz |
| Antenna Type | Sucker antenna |
| Antenna Gain (Main) | 2.5 dBi |
| Antenna Gain (AUX -Only RX) | 2.5 dBi |
| Type of Modulation | GPRS: GMSK EDGE: GMSK / 8PSK WCDMA: QPSK (Uplink) HSDPA: QPSK (Uplink) HSUPA: QPSK (Uplink) QPSK/ 16QAM |

2.5 Modification of EUT

No modifications are made to the EUT during all test items.

2.6 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR Part 2, 22(H), 24(E), 27
- ♦ ANSI / TIA / EIA-603-E-2016
- ♦ ANSI C63.26-2015
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ IC RSS-130 issue 2
- ♦ IC RSS-132 issue 3
- ♦ IC RSS-133 issue 6
- ♦ IC RSS-139 issue 3

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, ICES-003 recorded in a separate test report.

3 Test Configuration of Equipment Under Test

3.1 Test Mode

Antenna port conducted and radiated test items were performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

Radiated measurements were performed with rotating EUT in different three orthogonal test planes to find the maximum emission.

Radiated emissions were investigated from 30 MHz to 10th harmonic.

Test modes are chosen to be reported as the worst case configuration below:

| Test Modes | | |
|----------------------|--|--|
| Band | Radiated TCs | Conducted TCs |
| GSM 850 | <ul style="list-style-type: none"> ■ GPRS Link ■ EDGE class 8 Link | <ul style="list-style-type: none"> ■ GPRS Link ■ EDGE class 8 Link |
| GSM 1900 | <ul style="list-style-type: none"> ■ GPRS Link ■ EDGE class 8 Link | <ul style="list-style-type: none"> ■ GPRS Link ■ EDGE class 8 Link |
| WCDMA Band V | <ul style="list-style-type: none"> ■ RMC 12.2Kbps Link | <ul style="list-style-type: none"> ■ RMC 12.2Kbps Link |
| WCDMA Band IV | <ul style="list-style-type: none"> ■ RMC 12.2Kbps Link | <ul style="list-style-type: none"> ■ RMC 12.2Kbps Link |
| WCDMA Band II | <ul style="list-style-type: none"> ■ RMC 12.2Kbps Link | <ul style="list-style-type: none"> ■ RMC 12.2Kbps Link |

3.2 Frequency List of Low/Middle/High Channels

For LTE

| LTE Band 2 Channel | Bandwidth [MHz] | N _{UL} | Frequency of Uplink [MHz] | N _{DL} | Frequency of Downlink [MHz] |
|--------------------|------------------|-----------------|---------------------------|-----------------|-----------------------------|
| Low Range | 1.4 | 18607 | 1850.7 | 607 | 1930.7 |
| | 3 | 18615 | 1851.5 | 615 | 1931.5 |
| | 5 | 18625 | 1852.5 | 625 | 1932.5 |
| | 10 | 18650 | 1855 | 650 | 1935 |
| | 15 | 18675 | 1857.5 | 675 | 1937.5 |
| | 20 | 18700 | 1860 | 700 | 1940 |
| Middle Range | 1.4/3/5/10/15/20 | 18900 | 1880 | 900 | 1960 |
| High Range | 1.4 | 19193 | 1909.3 | 1193 | 1989.3 |
| | 3 | 19185 | 1908.5 | 1185 | 1988.5 |
| | 5 | 19175 | 1907.5 | 1175 | 1987.5 |
| | 10 | 19150 | 1905 | 1150 | 1985 |
| | 15 | 19125 | 1902.5 | 1125 | 1982.5 |
| | 20 | 19100 | 1900 | 1100 | 1980 |

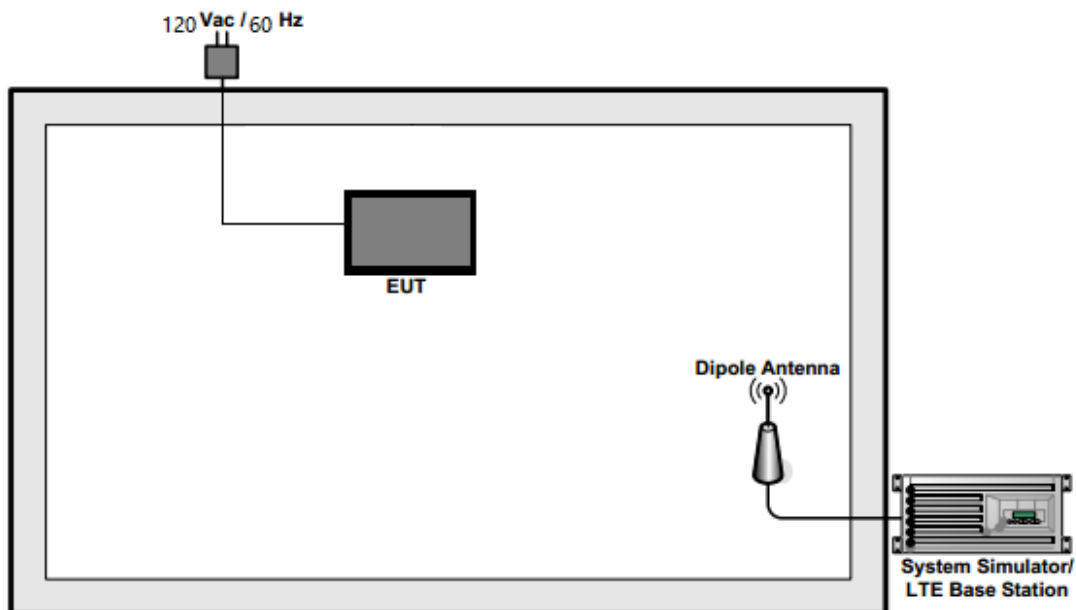
| LTE Band 4 Channel | Bandwidth [MHz] | N _{UL} | Frequency of Uplink [MHz] | N _{DL} | Frequency of Downlink [MHz] |
|--------------------|------------------|-----------------|---------------------------|-----------------|-----------------------------|
| Low Range | 1.4 | 19957 | 1710.7 | 1957 | 2110.7 |
| | 3 | 19965 | 1711.5 | 1965 | 2111.5 |
| | 5 | 19975 | 1712.5 | 1975 | 2112.5 |
| | 10 | 20000 | 1715 | 2000 | 2115 |
| | 15 | 20025 | 1717.5 | 2025 | 2117.5 |
| | 20 | 20050 | 1720 | 2050 | 2120 |
| Middle Range | 1.4/3/5/10/15/20 | 20175 | 1732.5 | 2175 | 2132.5 |
| High Range | 1.4 | 20393 | 1754.3 | 2393 | 2154.3 |
| | 3 | 20385 | 1753.5 | 2385 | 2153.5 |
| | 5 | 20375 | 1752.5 | 2375 | 2152.5 |
| | 10 | 20350 | 1750 | 2350 | 2150 |
| | 15 | 20325 | 1747.5 | 2325 | 2147.5 |
| | 20 | 20300 | 1745 | 2300 | 2145 |

| LTE Band 5 Channel | Bandwidth[MHz] | N _{UL} | Frequency of Uplink [MHz] | N _{DL} | Frequency of Downlink [MHz] |
|--------------------|----------------|-----------------|---------------------------|-----------------|-----------------------------|
| Low Range | 1.4 | 20407 | 824.7 | 2407 | 869.7 |
| | 3 | 20415 | 825.5 | 2415 | 870.5 |
| | 5 | 20425 | 826.5 | 2425 | 871.5 |
| | 10 | 20450 | 829 | 2450 | 874 |
| Middle Range | 1.4/3/5/10 | 20525 | 836.5 | 2525 | 881.5 |
| High Range | 1.4 | 20643 | 848.3 | 2643 | 893.3 |
| | 3 | 20635 | 847.5 | 2635 | 892.5 |
| | 5 | 20625 | 846.5 | 2625 | 891.5 |
| | 10 | 20600 | 844 | 2600 | 889 |

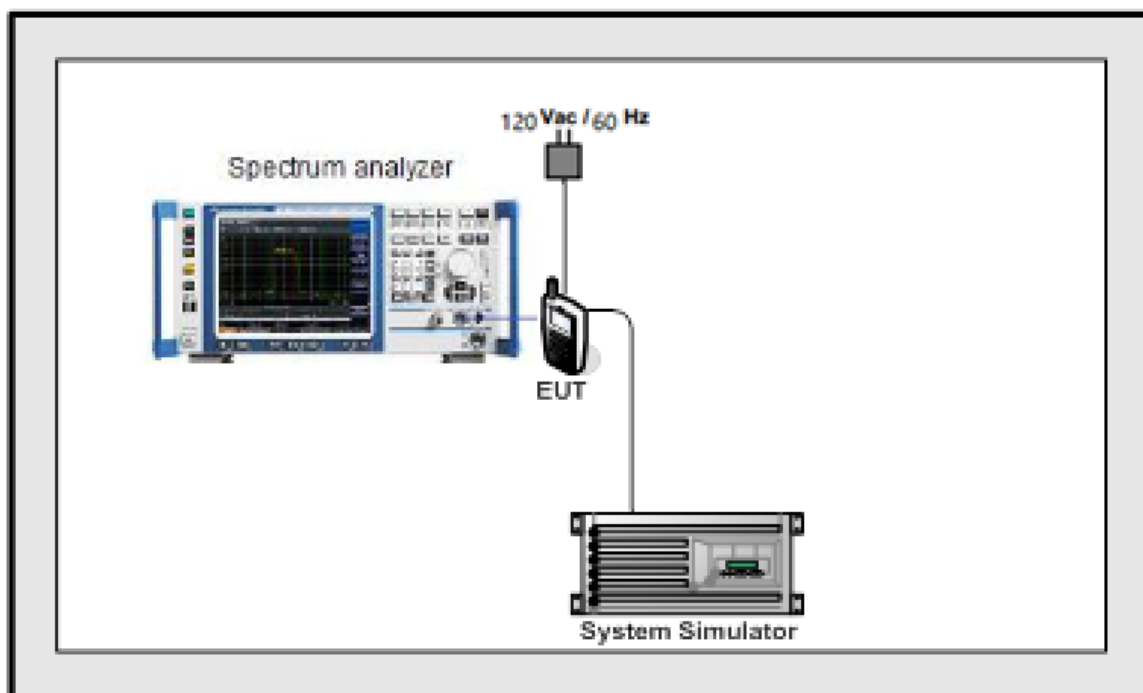
| LTE Band 12 Channel | Bandwidth[MHz] | N _{UL} | Frequency of Uplink [MHz] | N _{DL} | Frequency of Downlink [MHz] |
|---------------------|----------------|-----------------|---------------------------|-----------------|-----------------------------|
| Low Range | 1.4 | 23017 | 699.7 | 5017 | 729.7 |
| | 3 | 23025 | 700.5 | 5025 | 730.5 |
| | 5 | 23035 | 701.5 | 5035 | 731.5 |
| | 10 | 23060 | 704 | 5060 | 734 |
| Middle Range | 1.4/3/5/10 | 23095 | 707.5 | 5095 | 737.5 |
| High Range | 1.4 | 23173 | 715.3 | 5173 | 745.3 |
| | 3 | 23165 | 714.5 | 5165 | 744.5 |
| | 5 | 23155 | 713.5 | 5155 | 743.5 |
| | 10 | 23130 | 711 | 5130 | 741 |

| LTE Band 13 Channel | Bandwidth[MHz] | N _{UL} | Frequency of Uplink [MHz] | N _{DL} | Frequency of Downlink [MHz] |
|---------------------|----------------|-----------------|---------------------------|-----------------|-----------------------------|
| Low Range | 5 | 23205 | 779.5 | 5205 | 748.5 |
| | 10 | 23230 | 782 | 5230 | 751 |
| Middle Range | 5/10 | 23230 | 782 | 5230 | 751 |
| High Range | 5 | 23255 | 784.5 | 5255 | 753.5 |
| | 10 | 23230 | 782 | 5230 | 751 |

3.3 Connection Diagram of Test System



Radiated Setup



Conducted Setup

3.4 Support Unit used in test configuration

| Item | Equipment | Trade Name | Model Name | FCC ID | Serial Number | Power Cord |
|------|-----------------|------------|------------|--------|---------------|---------------------------|
| 1. | DC Power Supply | Keysight | E3642A | N/A | N/A | Unshielded cable 1.8 m |

3.5 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between RF conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level will be exactly the RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

The following shows an offset computation example with RF cable loss 4.5 dB and a 10dB attenuator.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.5 + 10 = 14.5 \text{ (dB)} \end{aligned}$$

4 Conducted Test Result

4.1 Measuring Instruments

See list of measuring instruments of this test report.

4.2 Conducted Output Power and ERP/EIRP

4.2.1 Description of the Conducted Output Power and ERP/EIRP

A system simulator was used to establish communication with the EUT. Its parameters were set to enforce EUT transmitting at the maximum power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for WCDMA Band V

The EIRP of mobile transmitters must not exceed 2 Watts for WCDMA Band II

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, Where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

All LTE bands conducted average power is obtained from the CMW500 telecommunication test set.

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS36.101 specification.

UE Power Class: 3 (23 +/- 2dBm). The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 of the 3GPP TS36.101.

Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3

| Modulation | Channel bandwidth / Transmission bandwidth (N_{RB}) | | | | | | MPR (dB) |
|------------|---|---------|-------|--------|--------|--------|----------|
| | 1.4 MHz | 3.0 MHz | 5 MHz | 10 MHz | 15 MHz | 20 MHz | |
| QPSK | > 5 | > 4 | > 8 | > 12 | > 16 | > 18 | ≤ 1 |
| 16 QAM | ≤ 5 | ≤ 4 | ≤ 8 | ≤ 12 | ≤ 16 | ≤ 18 | ≤ 1 |
| 16 QAM | > 5 | > 4 | > 8 | > 12 | > 16 | > 18 | ≤ 2 |
| 64 QAM | ≤ 5 | ≤ 4 | ≤ 8 | ≤ 12 | ≤ 16 | ≤ 18 | ≤ 2 |
| 64 QAM | > 5 | > 4 | > 8 | > 12 | > 16 | > 18 | ≤ 3 |
| 256 QAM | ≥ 1 | | | | | | ≤ 5 |

| | |
|------------------|--|
| BS Signal | Enter the same channel number for TCH channel (test channel) and BCCH Channel Frequency Offset > + 0 Hz Mode > BCCH and TCH BCCH Level > -85 dBm (May need to adjust if link is not stable) BCCH Channel > choose desire test channel [Enter the same channel number for TCH channel (test channel) and BCCH channel] Channel Type > Off P0> 4 dB Slot Config > Unchanged (if already set under MS Signal) TCH > choose desired test channel Hopping > Off Main Timeslot > 3 (Default) |
| Network | Coding Scheme > CS 4 (GPRS) and MCS5-9 (EGPRS) Bit Stream > 2E9-1PSR Bit Pattern |
| AF/RF Connection | Enter appropriate offsets for Ext. Att. Output and Ext. Att. Input Press Signal On to turn on the signal and change settings |

UMTS REL99

The following summary of these settings are illustrated below:

| | Mode | Rel99 |
|-----------------------|-------------------------|----------------|
| | Subtest | - |
| WCDMA General Setting | Loopback Mode | Test Mode 2 |
| | Rel99 RMC | 12.2kbps RMC |
| | HSDPA FRC | Not Applicable |
| | HSUPA Test | Not Applicable |
| | Power Control Algorithm | Algorithm2 |
| | β_c | Not Applicable |
| | β_d | Not Applicable |
| | β_{ec} | Not Applicable |
| | β_c/β_d | 8/15 |
| | β_{hs} | Not Applicable |
| | β_{ed} | Not Applicable |

HSPA REL 6 (HSDPA & HSUPA)

The following summary of these settings are illustrated below:

| | Mode | Rel6 | Rel6 | Rel6 | Rel6 | Rel6 | |
|-------------------------------|--------------------------------------|----------------|-------|-------------|--------------|-------------|--|
| | Subtest | HSUPA | HSUPA | HSUPA | HSUPA | HSUPA | |
| | | 1 | 2 | 3 | 4 | 5 | |
| WCDMA General Settings | Loopback Mode | Test Mode 1 | | | | | |
| | Rel99 RMC | 12.2kbps RMC | | | | | |
| | HSDPA FRC | H-Set1 | | | | | |
| | HSUPA Test | HSUPA Loopback | | | | | |
| | Power Control Algorithm | Algorithm2 | | | | | |
| | β_c | 11/15 | 6/15 | 15/15 | 2/15 | 15/15 | |
| | β_d | 15/15 | 15/15 | 9/15 | 15/15 | 0 | |
| | β_{ec} | 209/225 | 12/15 | 30/15 | 2/15 | 5/15 | |
| | β_c/β_d | 11/15 | 6/15 | 15/9 | 2/15 | 15/1 | |
| | β_{hs} | 22/15 | 12/15 | 30/15 | 4/15 | 5/15 | |
| | β_{ed} | 1309/225 | 94/75 | 47/15 | 56/75 | 47/15 | |
| CM (dB) | 1 | 3 | 2 | 3 | 1 | | |
| MPR (dB) | 0 | 2 | 1 | 2 | 0 | | |
| HSDPA Specific Settings | DACK | 8 | | | | | |
| | DNAK | 8 | | | | | |
| | DCQI | 8 | | | | | |
| | Ack-Nack repetition factor | 3 | | | | | |
| | CQI Feedback (Table 5.2B.4) | 4ms | | | | | |
| | CQI Repetition Factor (Table 5.2B.4) | 2 | | | | | |
| | $A_{hs} = \beta_{hs}/\beta_c$ | 30/15 | | | | | |
| HSUPA Specific Settings | D E-DPCCH | 6 | 8 | 8 | 5 | 7 | |
| | DHARQ | 0 | 0 | 0 | 0 | 0 | |
| | AG Index | 20 | 12 | 15 | 17 | 12 | |
| | ETFCI | 75 | 67 | 92 | 71 | 67 | |
| | Associated Max UL Data Rate | 242.1 | 174.9 | 482.8 | 205.8 | 308.9 | |
| | Reference E_TFCIs | E-TFCI11 | | | | E-TFCI11 | |
| | | E-TFCI PO 4 | | | | E-TFCI PO 4 | |
| E-TFCI 67 | | | | | E-TFCI 67 | | |
| E-TFCI PO 18 | | | | | E-TFCI PO 18 | | |
| E-TFCI 71 | | | | E-TFCI 11 | E-TFCI 71 | | |
| E-TFCI PO 23 | | | | E-TFCI PO 4 | E-TFCI PO 23 | | |
| E-TFCI 75 | | | | E-TFCI 92 | E-TFCI 75 | | |

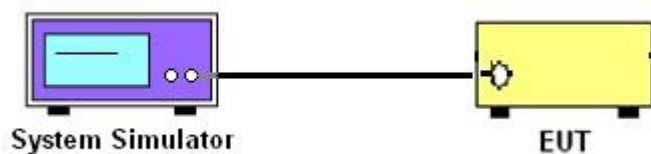


| | | | | |
|--|--|--------------|-------------|--------------|
| | | E-TFCI PO 26 | E-TFCI PO18 | E-TFCI PO 26 |
|--|--|--------------|-------------|--------------|

LTE

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through the system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.

4.2.3 Test Setup



4.2.4 Test Results

Refer to Appendix A of this test report.

4.3 Peak-to-Average Ratio

4.3.1 Description of the PAR Measurement

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.

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth.

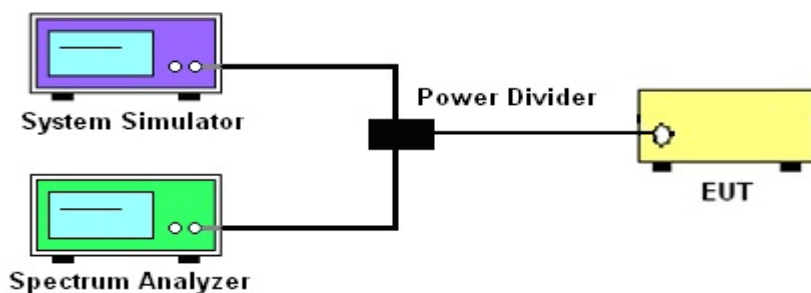
4.3.2 Limit

when the transmitter power is measured in terms of average value, the peak-to-average ratio of the power shall not exceed 13 dB.

4.3.3 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2.3.4 (CCDF)
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. Set EUT to transmit at maximum output power.
4. The signal analyzer's CCDF measurement profile is enabled
5. Frequency = carrier center frequency
6. Measurement BW > Emission bandwidth of signal
7. When the duty cycle is less than 98%, then signal gating will be implemented on the spectrum analyzer by triggering from the system simulator.
8. Set the CCDF (Complementary Cumulative Distribution Function) option of the spectrum analyzer.
Record the maximum PAPR level associated with a probability of 0.1%.

4.3.4 Test Setup



4.3.5 Test Results

Refer to the test report MDE_GEMALTO_1711_FCCa_rev1 under certified “FCC ID: QIPPLAS9-X” “IC: 7830A-PLAS9X”.

4.4 99% Occupied Bandwidth and 26dB Bandwidth Measurement

4.4.1 Description of 99% Occupied Bandwidth and 26dB Bandwidth Measurement

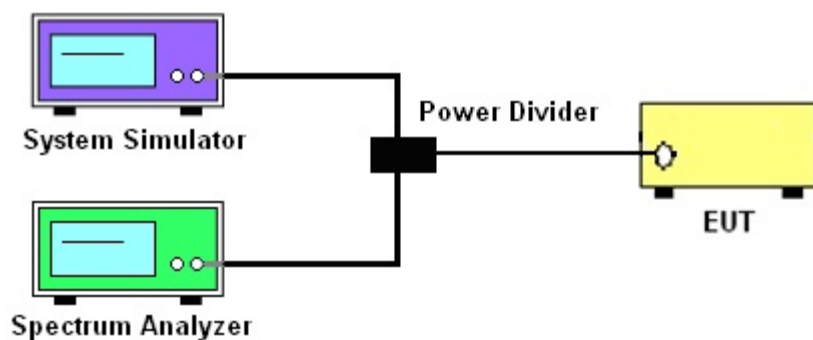
The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

4.4.2 Test Procedures

- 1.The testing follows Sub clause 5.4.3 of ANSI C63.26-2015
- 2.The EUT was connected to spectrum analyzer and system simulator via a power divider.
- 3.The signal analyzer's automatic bandwidth measurement capability was used to perform the 99% occupied bandwidth and the 26dB bandwidth the bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
- 4.RBW = 1~5% of the expected OBW, VBW \geq 3 x RBW
- 5.Set the detection mode to peak, and the trace mode to max hold.
- 6.Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.(this is the reference value)
- 7.Determine the "-26 dB down amplitude" as equal to (Reference Value – X).
- 8.Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the "-X dB down amplitude" determined in step 6. If a marker is below this "-X dB down amplitude" value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
- 9.Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

4.4.3 Test Setup



4.4.4 Test Results

Refer to the test report MDE_GEMALTO_1711_FCCa_rev1 under certified "FCC ID: QIPPLAS9-X" "IC: 7830A-PLAS9X".

4.5 Conducted Band Edge

4.5.1 Description of Conducted Band Edge Measurement

The transmitter output was connected to a calibrated coaxial cable, attenuator and Spectrum analyser, the other end of which was connected to a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The tests were performed at three frequencies (low channel and high channel).in the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of 100kHz or 1% of the emission bandwidth of the fundamental emission of the transmitter may be employed. The EUT emission bandwidth is measured as the width of the signal between two points, outside of which all emission are attenuated at least 26dB below the transmitter power. The video bandwidth of the spectrum analyzer was set at thrice the resolution bandwidth. Detector Mode was set to peak or peak hold power.

4.5.2 Limit

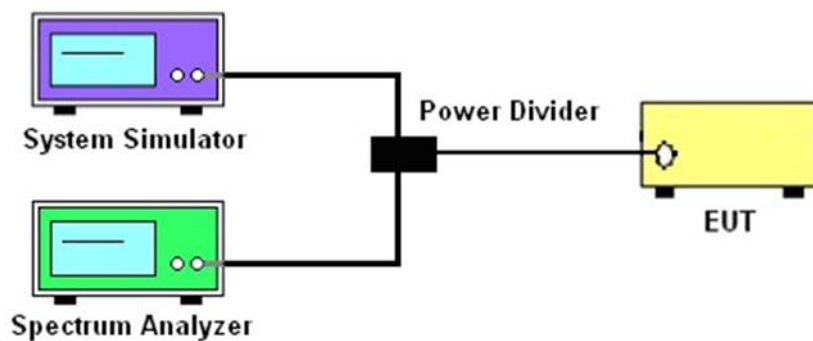
FCC: §22.917, §24.238, §27.53

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.

4.5.3 Test Procedures

1. The testing follows ANSI C63.26 Section 5.7.
2. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
3. Start and stop frequency were set such that the band edge would be placed in the center of the plot
4. Span was set large enough so as to capture all out of band emissions near the band edge
5. RBW \geq 1% of the emission bandwidth
6. VBW \geq 3 x RBW
7. Detector = RMS
8. Number of sweep points \geq 2 x Span/RBW
9. Trace mode = trace average for continuous emissions, max hold for pulse emissions
10. Sweep time = auto couple
11. The trace was allowed to stabilize
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
13. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
= $P(W) - [43 + 10\log(P)]$ (dB)
= $[30 + 10\log(P)]$ (dBm) - $[43 + 10\log(P)]$ (dB)
= -13dBm.

4.5.4 Test Setup



4.5.5 Test Results

Refer to the test report MDE_GEMALTO_1711_FCCa_rev1 under certified “FCC ID: QIPPLAS9-X” “IC: 7830A-PLAS9X” .

4.6 Conducted Spurious Emission

4.6.1 Description of Conducted Spurious Emission Measurement

The transmitter output was connected to a calibrated coaxial cable, attenuator and Spectrum analyzer, the other end of which was connected to a Base Station Simulator. The Base Station Simulator was set to force the EUT to its maximum power setting. The tests were performed at three frequencies (low channel and high channel). The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. On any frequency outside a licensee's frequency block, the power of any emission shall be attenuated below the transmitter power (P) by at least $43 + 10 \log(P)$ dB. Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.

4.6.2 Limit

FCC: §22.917, §24.238, §27.53

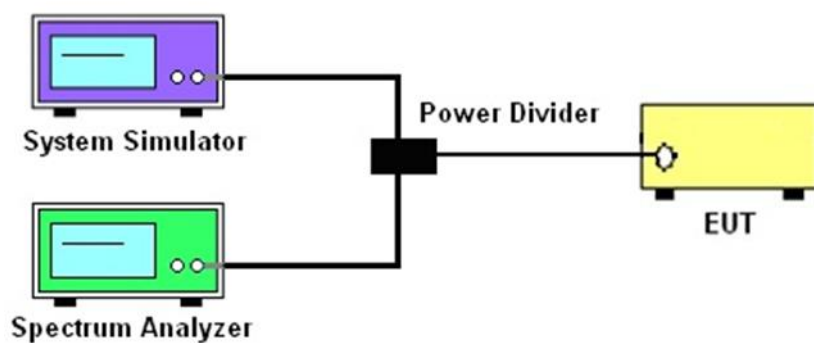
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

4.6.3 Test Procedures

1. The testing follows ANSI C63.26 section 5.7.
2. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by an RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
= $P(W) - [43 + 10\log(P)]$ (dB)
= $[30 + 10\log(P)]$ (dBm) - $[43 + 10\log(P)]$ (dB)
= -13dBm.

4.6.4 Test Setup



4.6.5 Test Results

Refer to the test report MDE_GEMALTO_1711_FCCa_rev1 under certified “FCC ID: QIPPLAS9-X” “IC: 7830A-PLAS9X” .

4.7 Frequency Stability

4.7.1 Description of Frequency Stability Measurement

FCC §22.355

The carrier frequency shall not depart from the reference frequency in excess of ± 2.5 ppm for mobile stations.

FCC §24.235 & §27.54

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

4.7.2 Test Condition

Temp. = -30° to $+50^{\circ}\text{C}$

Voltage = (85% - 115%)

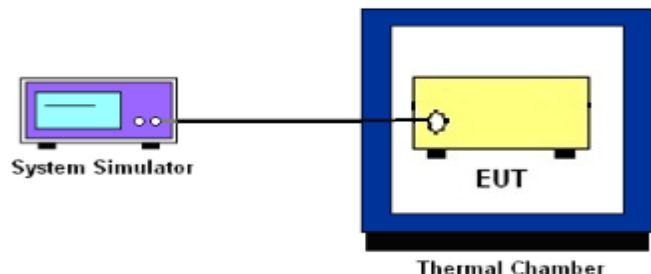
4.7.3 Test Procedures for Temperature Variation

1. The testing follows ANSI C63.26 section 5.6.4.
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in 10°C steps up to 50°C . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

4.7.4 Test Procedures for Voltage Variation

1. The testing follows ANSI C63.26 section 5.6.5.
2. The EUT was placed in a temperature chamber at $25\pm 5^{\circ}\text{C}$ and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
4. The variation in frequency was measured for the worst case.

4.7.5 Test Setup



4.7.6 Test Results

Refer to the test report MDE_GEMALTO_1711_FCCa_rev1 under certified “FCC ID: QIPPLAS9-X” “IC: 7830A-PLAS9X” .

5 Radiated Test Items

5.1 Measuring Instruments

See list of measuring instruments of this test report.

5.2 Field Strength of Spurious Radiation Measurement

5.2.1 Description of Field Strength of Spurious Radiated Measurement

FCC: §22.917, §24.238, §27.53

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.

5.2.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 5.8 and ANSI / TIA-603-E-2016 Section 2.2.12.

Below 1GHz test procedure as below:

- 1.The EUT was powered ON and placed on a 80cm high table in the chamber. The antenna of the transmitter was extended to its maximum length.
- 2.Make the measurement with the spectrum analyzer's RBW = 100KHz, VBW = 100KHz, taking record of maximum spurious emission.
- 3.The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made.
- 4.Steps 1) and 2) were performed with the EUT and the receive antenna in both vertical and horizontal polarization.
- 5.The transmitter was then removed and replaced with another antenna. The center of the antenna was approximately at the same location as the center of the transmitter.
- 6.A signal at the disturbance was fed to the substitution antenna by means of a non-radiating cable. With both the substitution and the receive antennas horizontally polarized, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver. The level of the signal generator was adjusted until the measured field strength level in step 2) is obtained for this set of conditions.
- 7.The output power into the substitution antenna was then measured.
- 8.Steps 5) and 6) were repeated with both antennas polarized.
- 9.Calculate power in dBm by the following formula:

$$\text{ERP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBd)} - 2.15$$

Where:

P_d is the dipole equivalent power, P_g is the generator output into the substitution antenna, and the antenna gain is the gain of the substitute antenna used relative to either a half-wave dipole (dBd) or

an isotropic source (dBi). The substitute level is equal to P_g [dBm] – cable loss [dB]. The calculated P_d levels are then compared to the absolute spurious emission limit of -13dBm which is equivalent to the required minimum attenuation of $43 + 10\log_{10}(\text{Power [Watts]})$.

Above 1GHz test procedure as below:

1. The EUT was powered ON and placed on a 150cm high table in the chamber. The antenna of the transmitter was extended to its maximum length.
2. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking record of maximum spurious emission.
3. The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made.
4. Steps 1) and 2) were performed with the EUT and the receive antenna in both vertical and horizontal polarization.
5. The transmitter was then removed and replaced with another antenna. The center of the antenna was approximately at the same location as the center of the transmitter.
6. A signal at the disturbance was fed to the substitution antenna by means of a non-radiating cable. With both the substitution and the receive antennas horizontally polarized, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver. The level of the signal generator was adjusted until the measured field strength level in step 2) is obtained for this set of conditions.
7. The output power into the substitution antenna was then measured.
8. Steps 5) and 6) were repeated with both antennas polarized.
9. Calculate power in dBm by the following formula:

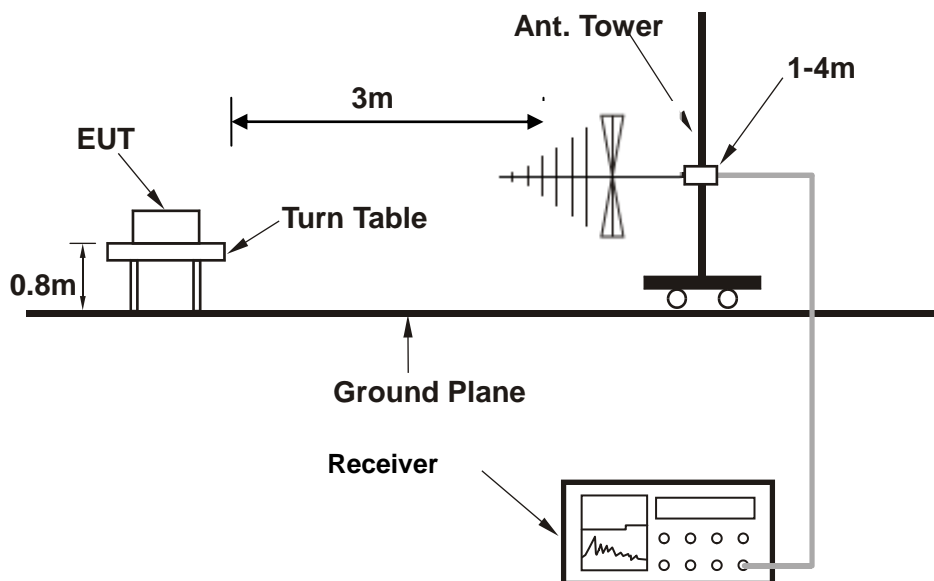
$$\text{EIRP(dBm)} = P_g(\text{dBm}) - \text{cable loss (dB)} + \text{antenna gain (dBd)}$$

Where:

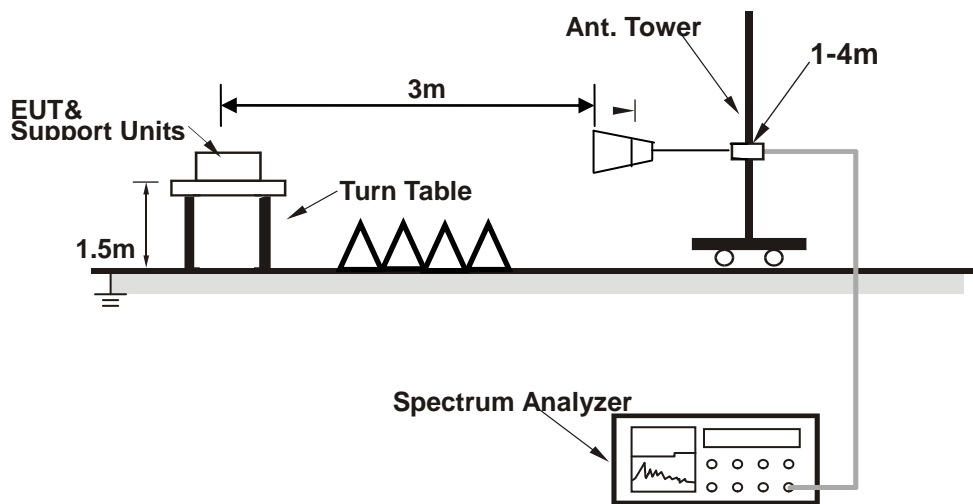
P_d is the dipole equivalent power, P_g is the generator output into the substitution antenna, and the antenna gain is the gain of the substitute antenna used relative to either a half-wave dipole (dBd) or an isotropic source (dBi). The substitute level is equal to P_g [dBm] – cable loss [dB]. The calculated P_d levels are then compared to the absolute spurious emission limit of -13dBm which is equivalent to the required minimum attenuation of $43 + 10\log_{10}(\text{Power [Watts]})$.

5.2.3 Test Setup

For radiated test from 30MHz to 1GHz



For radiated test above 1GHz



5.2.4 Test Results

Refer to Appendix B of this test report.

6 List of Measuring Equipment

| Instrument | Manufacturer | Model No. | Serial No. | Calibration Date | Due Date | Remark |
|-------------------------------|--------------|------------|------------|------------------|------------|-----------|
| Spectrum Analyzer | R&S | FSV 40 | 101433 | 2020-01-16 | 2021-01-15 | Conducted |
| Base Station | R&S | CMW500 | 164998 | 2020-01-15 | 2021-01-14 | Conducted |
| Thermal Chamber | Sanmtest | SMC-408-CD | 2435 | 2019-05-09 | 2020-05-08 | Conducted |
| Signal Generator (Interferer) | Keysight | N5182B | MY56200384 | 2019-04-19 | 2020-04-18 | Conducted |
| Signal Generator (Blocker) | Keysight | N5171B | MY56200661 | 2020-01-15 | 2021-01-14 | Conducted |

| Instrument | Manufacturer | Model No. | Serial No. | Calibration Date | Due Date | Remark |
|----------------------------|--------------|---------------|------------|------------------|------------|-----------|
| Spectrum Analyzer | R&S | FSV 30 | 103728 | 2020-01-19 | 2021-01-18 | Radiation |
| Amplifier | Sonoma | 310 | 363917 | 2020-01-15 | 2021-01-14 | Radiation |
| Amplifier | Schwarzbeck | BBV 9718 | 327 | 2020-01-15 | 2021-01-14 | Radiation |
| Amplifier | Narda | TTA1840-35-HG | 2034380 | 2019-05-15 | 2020-05-14 | Radiation |
| Loop Antenna | Schwarzbeck | FMZB 1519 B | 1519B-051 | 2017/3/3 | 2020/3/2 | Radiation |
| Broadband Antenna | Schwarzbeck | VULB 9168 | 9168-757 | 2017/3/3 | 2020/3/2 | Radiation |
| Bilog Antenna | TeseQ | CBL6112D | 23188 | 2017/4/25 | 2020/4/25 | Radiation |
| Horn Antenna | Schwarzbeck | BBHA 9120 D | 1677 | 2017/3/3 | 2020/3/2 | Radiation |
| Horn Antenna | R&S | 9120 D | 1285 | 2018/1/11 | 2021/1/10 | Radiation |
| Horn Antenna | COM-POWER | AH-1840 | 101117 | 2018-06-20 | 2021-06-19 | Radiation |
| Signal Generator (Blocker) | R&S | SMB100A | 180717 | 2020-01-08 | 2021-01-07 | Radiation |
| Test Software | Audix | E3 | 6.111221a | N/A | N/A | Radiation |

N/A: No Calibration Required

7 Uncertainty of Evaluation

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

| | |
|---|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 5.0 dB |
|---|--------|

Uncertainty of Radiated Emission Measurement (1GHz ~ 18GHz)

| | |
|---|-------|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 4.9dB |
|---|-------|

Uncertainty of Radiated Emission Measurement (18GHz ~ 40GHz)

| | |
|---|-------|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 5.1dB |
|---|-------|

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power)

Effective Radiated Power

| Band | Channel | PCL | Slot | Power(dBm) | EIRP/ERP(dBm) | Limit(dBm) | Verdict |
|----------|---------|-----|------|------------|---------------|------------|---------|
| GPRS850 | 128 | 5 | 1 | 33.26 | 33.61 | 38.5 | PASS |
| GPRS850 | 128 | 5 | 2 | 33.19 | 33.54 | 38.5 | PASS |
| GPRS850 | 128 | 5 | 3 | 33.11 | 33.46 | 38.5 | PASS |
| GPRS850 | 128 | 5 | 4 | 32.97 | 33.32 | 38.5 | PASS |
| GPRS850 | 189 | 5 | 1 | 33.29 | 33.64 | 38.5 | PASS |
| GPRS850 | 189 | 5 | 2 | 33.26 | 33.61 | 38.5 | PASS |
| GPRS850 | 189 | 5 | 3 | 33.17 | 33.52 | 38.5 | PASS |
| GPRS850 | 189 | 5 | 4 | 33.05 | 33.40 | 38.5 | PASS |
| GPRS850 | 251 | 5 | 1 | 33.52 | 33.87 | 38.5 | PASS |
| GPRS850 | 251 | 5 | 2 | 33.51 | 33.86 | 38.5 | PASS |
| GPRS850 | 251 | 5 | 3 | 33.43 | 33.78 | 38.5 | PASS |
| GPRS850 | 251 | 5 | 4 | 33.28 | 33.63 | 38.5 | PASS |
| GPRS1900 | 512 | 0 | 1 | 29.80 | 32.30 | 33 | PASS |
| GPRS1900 | 512 | 0 | 2 | 29.70 | 32.20 | 33 | PASS |
| GPRS1900 | 512 | 0 | 3 | 29.62 | 32.12 | 33 | PASS |
| GPRS1900 | 512 | 0 | 4 | 29.50 | 32.00 | 33 | PASS |
| GPRS1900 | 661 | 0 | 1 | 30.05 | 32.55 | 33 | PASS |
| GPRS1900 | 661 | 0 | 2 | 30.05 | 32.55 | 33 | PASS |
| GPRS1900 | 661 | 0 | 3 | 30.00 | 32.50 | 33 | PASS |
| GPRS1900 | 661 | 0 | 4 | 29.91 | 32.41 | 33 | PASS |
| GPRS1900 | 810 | 0 | 1 | 30.17 | 32.67 | 33 | PASS |
| GPRS1900 | 810 | 0 | 2 | 30.17 | 32.67 | 33 | PASS |
| GPRS1900 | 810 | 0 | 3 | 30.13 | 32.63 | 33 | PASS |
| GPRS1900 | 810 | 0 | 4 | 30.05 | 32.55 | 33 | PASS |

| Band | Channel | PCL | Slot | Power(dBm) | EIRP/ERP(dBm) | Limit(dBm) | Verdict |
|----------|---------|-----|------|------------|---------------|------------|---------|
| EGPRS850 | 128 | 8 | 1 | 26.75 | 27.10 | 38.5 | PASS |
| EGPRS850 | 128 | 8 | 2 | 26.71 | 27.06 | 38.5 | PASS |
| EGPRS850 | 128 | 8 | 3 | 26.46 | 26.81 | 38.5 | PASS |

| | | | | | | | |
|-----------|-----|---|---|-------|-------|------|------|
| EGPRS850 | 128 | 8 | 4 | 26.42 | 26.77 | 38.5 | PASS |
| EGPRS850 | 189 | 8 | 1 | 26.85 | 27.20 | 38.5 | PASS |
| EGPRS850 | 189 | 8 | 2 | 26.72 | 27.07 | 38.5 | PASS |
| EGPRS850 | 189 | 8 | 3 | 26.54 | 26.89 | 38.5 | PASS |
| EGPRS850 | 189 | 8 | 4 | 26.47 | 26.82 | 38.5 | PASS |
| EGPRS850 | 251 | 8 | 1 | 27.23 | 27.58 | 38.5 | PASS |
| EGPRS850 | 251 | 8 | 2 | 27.15 | 27.50 | 38.5 | PASS |
| EGPRS850 | 251 | 8 | 3 | 27.09 | 27.44 | 38.5 | PASS |
| EGPRS850 | 251 | 8 | 4 | 26.92 | 27.27 | 38.5 | PASS |
| EGPRS1900 | 512 | 2 | 1 | 25.54 | 28.04 | 33 | PASS |
| EGPRS1900 | 512 | 2 | 2 | 25.61 | 28.11 | 33 | PASS |
| EGPRS1900 | 512 | 2 | 3 | 25.27 | 27.77 | 33 | PASS |
| EGPRS1900 | 512 | 2 | 4 | 25.08 | 27.58 | 33 | PASS |
| EGPRS1900 | 661 | 2 | 1 | 25.71 | 28.21 | 33 | PASS |
| EGPRS1900 | 661 | 2 | 2 | 25.72 | 28.22 | 33 | PASS |
| EGPRS1900 | 661 | 2 | 3 | 25.66 | 28.16 | 33 | PASS |
| EGPRS1900 | 661 | 2 | 4 | 25.53 | 28.03 | 33 | PASS |
| EGPRS1900 | 810 | 2 | 1 | 25.83 | 28.33 | 33 | PASS |
| EGPRS1900 | 810 | 2 | 2 | 25.80 | 28.30 | 33 | PASS |
| EGPRS1900 | 810 | 2 | 3 | 25.85 | 28.35 | 33 | PASS |
| EGPRS1900 | 810 | 2 | 4 | 25.54 | 28.04 | 33 | PASS |

| Band | Channel | Power(dBm) | EIRP/ERP(dBm) | Limit(dBm) | Verdict |
|---------|---------|------------|---------------|------------|---------|
| Band II | 9262 | 23.71 | 26.21 | 33 | PASS |
| Band II | 9400 | 23.40 | 25.90 | 33 | PASS |
| Band II | 9538 | 23.72 | 26.22 | 33 | PASS |
| Band IV | 1312 | 23.88 | 26.38 | 30 | PASS |
| Band IV | 1413 | 24.14 | 26.64 | 30 | PASS |
| Band IV | 1513 | 24.07 | 26.57 | 30 | PASS |
| Band V | 4132 | 24.64 | 24.99 | 38.5 | PASS |
| Band V | 4182 | 24.46 | 24.81 | 38.5 | PASS |
| Band V | 4233 | 24.38 | 24.73 | 38.5 | PASS |

| Band | Channel | SubTest | Power(dBm) | EIRP/ERP(dBm) | Limit(dBm) | Verdict |
|---------|---------|------------|------------|---------------|------------|---------|
| Band II | 9262 | HSDPA_Sub1 | 22.71 | 25.21 | 33 | PASS |
| Band II | 9262 | HSDPA_Sub2 | 22.03 | 24.53 | 33 | PASS |
| Band II | 9262 | HSDPA_Sub3 | 22.22 | 24.72 | 33 | PASS |
| Band II | 9262 | HSDPA_Sub4 | 22.21 | 24.71 | 33 | PASS |
| Band II | 9400 | HSDPA_Sub1 | 22.45 | 24.95 | 33 | PASS |
| Band II | 9400 | HSDPA_Sub2 | 21.91 | 24.41 | 33 | PASS |
| Band II | 9400 | HSDPA_Sub3 | 21.94 | 24.44 | 33 | PASS |
| Band II | 9400 | HSDPA_Sub4 | 21.69 | 24.19 | 33 | PASS |
| Band II | 9538 | HSDPA_Sub1 | 22.83 | 25.33 | 33 | PASS |
| Band II | 9538 | HSDPA_Sub2 | 22.19 | 24.69 | 33 | PASS |
| Band II | 9538 | HSDPA_Sub3 | 22.17 | 24.67 | 33 | PASS |
| Band II | 9538 | HSDPA_Sub4 | 22.06 | 24.56 | 33 | PASS |
| Band IV | 1312 | HSDPA_Sub1 | 22.91 | 25.41 | 30 | PASS |
| Band IV | 1312 | HSDPA_Sub2 | 22.40 | 24.90 | 30 | PASS |
| Band IV | 1312 | HSDPA_Sub3 | 22.38 | 24.88 | 30 | PASS |
| Band IV | 1312 | HSDPA_Sub4 | 22.41 | 24.91 | 30 | PASS |
| Band IV | 1413 | HSDPA_Sub1 | 23.11 | 25.61 | 30 | PASS |
| Band IV | 1413 | HSDPA_Sub2 | 22.51 | 25.01 | 30 | PASS |
| Band IV | 1413 | HSDPA_Sub3 | 22.48 | 24.98 | 30 | PASS |
| Band IV | 1413 | HSDPA_Sub4 | 22.67 | 25.17 | 30 | PASS |
| Band IV | 1513 | HSDPA_Sub1 | 23.06 | 25.56 | 30 | PASS |
| Band IV | 1513 | HSDPA_Sub2 | 22.58 | 25.08 | 30 | PASS |
| Band IV | 1513 | HSDPA_Sub3 | 22.55 | 25.05 | 30 | PASS |
| Band IV | 1513 | HSDPA_Sub4 | 22.57 | 25.07 | 30 | PASS |
| Band V | 4132 | HSDPA_Sub1 | 23.62 | 23.97 | 38.5 | PASS |
| Band V | 4132 | HSDPA_Sub2 | 23.15 | 23.50 | 38.5 | PASS |
| Band V | 4132 | HSDPA_Sub3 | 23.15 | 23.50 | 38.5 | PASS |
| Band V | 4132 | HSDPA_Sub4 | 23.18 | 23.53 | 38.5 | PASS |
| Band V | 4182 | HSDPA_Sub1 | 23.48 | 23.83 | 38.5 | PASS |
| Band V | 4182 | HSDPA_Sub2 | 22.97 | 23.32 | 38.5 | PASS |
| Band V | 4182 | HSDPA_Sub3 | 23.00 | 23.35 | 38.5 | PASS |
| Band V | 4182 | HSDPA_Sub4 | 22.95 | 23.30 | 38.5 | PASS |
| Band V | 4233 | HSDPA_Sub1 | 23.43 | 23.78 | 38.5 | PASS |
| Band V | 4233 | HSDPA_Sub2 | 22.79 | 23.14 | 38.5 | PASS |
| Band V | 4233 | HSDPA_Sub3 | 22.93 | 23.28 | 38.5 | PASS |
| Band V | 4233 | HSDPA_Sub4 | 22.91 | 23.26 | 38.5 | PASS |

| Band | Channel | SubTest | Power(dBm) | EIRP/ERP(dBm) | Limit(dBm) | Verdict |
|---------|---------|------------|------------|---------------|------------|---------|
| Band II | 9262 | HSUPA_Sub1 | 22.58 | 25.08 | 33 | PASS |
| Band II | 9262 | HSUPA_Sub2 | 21.85 | 24.35 | 33 | PASS |
| Band II | 9262 | HSUPA_Sub3 | 22.03 | 24.53 | 33 | PASS |
| Band II | 9262 | HSUPA_Sub4 | 22.12 | 24.62 | 33 | PASS |
| Band II | 9262 | HSUPA_Sub5 | 22.01 | 24.51 | 33 | PASS |
| Band II | 9400 | HSUPA_Sub1 | 22.21 | 24.71 | 33 | PASS |
| Band II | 9400 | HSUPA_Sub2 | 22.02 | 24.52 | 33 | PASS |
| Band II | 9400 | HSUPA_Sub3 | 21.64 | 24.14 | 33 | PASS |
| Band II | 9400 | HSUPA_Sub4 | 21.72 | 24.22 | 33 | PASS |
| Band II | 9400 | HSUPA_Sub5 | 21.53 | 24.03 | 33 | PASS |
| Band II | 9538 | HSUPA_Sub1 | 22.68 | 25.18 | 33 | PASS |
| Band II | 9538 | HSUPA_Sub2 | 22.13 | 24.63 | 33 | PASS |
| Band II | 9538 | HSUPA_Sub3 | 21.86 | 24.36 | 33 | PASS |
| Band II | 9538 | HSUPA_Sub4 | 21.82 | 24.32 | 33 | PASS |
| Band II | 9538 | HSUPA_Sub5 | 21.79 | 24.29 | 33 | PASS |
| Band IV | 1312 | HSUPA_Sub1 | 22.72 | 25.22 | 30 | PASS |
| Band IV | 1312 | HSUPA_Sub2 | 22.31 | 24.81 | 30 | PASS |
| Band IV | 1312 | HSUPA_Sub3 | 22.43 | 24.93 | 30 | PASS |
| Band IV | 1312 | HSUPA_Sub4 | 22.29 | 24.79 | 30 | PASS |
| Band IV | 1312 | HSUPA_Sub5 | 22.26 | 24.76 | 30 | PASS |
| Band IV | 1413 | HSUPA_Sub1 | 22.95 | 25.45 | 30 | PASS |
| Band IV | 1413 | HSUPA_Sub2 | 22.52 | 25.02 | 30 | PASS |
| Band IV | 1413 | HSUPA_Sub3 | 22.38 | 24.88 | 30 | PASS |
| Band IV | 1413 | HSUPA_Sub4 | 22.21 | 24.71 | 30 | PASS |
| Band IV | 1413 | HSUPA_Sub5 | 22.11 | 24.61 | 30 | PASS |
| Band IV | 1513 | HSUPA_Sub1 | 22.85 | 25.35 | 30 | PASS |
| Band IV | 1513 | HSUPA_Sub2 | 22.42 | 24.92 | 30 | PASS |
| Band IV | 1513 | HSUPA_Sub3 | 22.19 | 24.69 | 30 | PASS |
| Band IV | 1513 | HSUPA_Sub4 | 22.42 | 24.92 | 30 | PASS |
| Band IV | 1513 | HSUPA_Sub5 | 22.15 | 24.65 | 30 | PASS |
| Band V | 4132 | HSUPA_Sub1 | 22.96 | 23.31 | 38.5 | PASS |
| Band V | 4132 | HSUPA_Sub2 | 22.83 | 23.18 | 38.5 | PASS |
| Band V | 4132 | HSUPA_Sub3 | 22.74 | 23.09 | 38.5 | PASS |
| Band V | 4132 | HSUPA_Sub4 | 22.91 | 23.26 | 38.5 | PASS |
| Band V | 4132 | HSUPA_Sub5 | 22.86 | 23.21 | 38.5 | PASS |

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|--------|------|------------|-------|-------|------|------|
| Band V | 4182 | HSUPA_Sub1 | 23.32 | 23.67 | 38.5 | PASS |
| Band V | 4182 | HSUPA_Sub2 | 23.13 | 23.48 | 38.5 | PASS |
| Band V | 4182 | HSUPA_Sub3 | 22.82 | 23.17 | 38.5 | PASS |
| Band V | 4182 | HSUPA_Sub4 | 22.73 | 23.08 | 38.5 | PASS |
| Band V | 4182 | HSUPA_Sub5 | 22.59 | 22.94 | 38.5 | PASS |
| Band V | 4233 | HSUPA_Sub1 | 23.21 | 23.56 | 38.5 | PASS |
| Band V | 4233 | HSUPA_Sub2 | 22.81 | 23.16 | 38.5 | PASS |
| Band V | 4233 | HSUPA_Sub3 | 22.76 | 23.11 | 38.5 | PASS |
| Band V | 4233 | HSUPA_Sub4 | 22.51 | 22.86 | 38.5 | PASS |
| Band V | 4233 | HSUPA_Sub5 | 22.38 | 22.73 | 38.5 | PASS |

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | EIRP/ERP(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|---------------|---------|
| Band2 | 1.4MHz | QPSK | 18607 | 1RB#0 | 23.01 | 25.51 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 1RB#2 | 22.97 | 25.47 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 1RB#5 | 22.85 | 25.35 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 3RB#3 | 22.59 | 25.09 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 3RB#0 | 22.74 | 25.24 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 3RB#1 | 22.74 | 25.24 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 6RB#0 | 21.66 | 24.16 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 1RB#5 | 22.44 | 24.94 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 1RB#2 | 22.50 | 25.00 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 1RB#0 | 22.53 | 25.03 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 3RB#1 | 22.38 | 24.88 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 3RB#3 | 22.29 | 24.79 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 3RB#0 | 22.40 | 24.90 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 6RB#0 | 21.43 | 23.93 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 1RB#2 | 22.46 | 24.96 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 1RB#5 | 22.58 | 25.08 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 1RB#0 | 22.58 | 25.08 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 3RB#0 | 22.25 | 24.75 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 3RB#1 | 22.26 | 24.76 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 3RB#3 | 22.46 | 24.96 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 6RB#0 | 21.34 | 23.84 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 1RB#0 | 21.78 | 24.28 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 1RB#2 | 22.00 | 24.50 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 1RB#5 | 21.75 | 24.25 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 3RB#0 | 21.65 | 24.15 | PASS |

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|-------|--------|-------|-------|--------|-------|-------|------|
| Band2 | 1.4MHz | 16QAM | 18607 | 3RB#1 | 21.49 | 23.99 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 3RB#3 | 21.38 | 23.88 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 6RB#0 | 20.67 | 23.17 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 1RB#5 | 21.28 | 23.78 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 1RB#0 | 21.36 | 23.86 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 1RB#2 | 21.62 | 24.12 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 3RB#1 | 21.14 | 23.64 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 3RB#3 | 21.17 | 23.67 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 3RB#0 | 21.23 | 23.73 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 6RB#0 | 20.36 | 22.86 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 1RB#0 | 21.34 | 23.84 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 1RB#5 | 21.42 | 23.92 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 1RB#2 | 21.20 | 23.70 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 3RB#3 | 21.05 | 23.55 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 3RB#1 | 21.06 | 23.56 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 3RB#0 | 21.09 | 23.59 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 6RB#0 | 20.25 | 22.75 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 1RB#0 | 22.75 | 25.25 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 1RB#14 | 22.81 | 25.31 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 1RB#8 | 22.78 | 25.28 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 8RB#0 | 21.75 | 24.25 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 8RB#7 | 21.74 | 24.24 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 8RB#4 | 21.72 | 24.22 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 15RB#0 | 21.76 | 24.26 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 1RB#14 | 22.67 | 25.17 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 1RB#8 | 22.76 | 25.26 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 1RB#0 | 22.64 | 25.14 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 8RB#7 | 21.36 | 23.86 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 8RB#0 | 21.40 | 23.90 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 8RB#4 | 21.40 | 23.90 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 15RB#0 | 21.41 | 23.91 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 1RB#14 | 22.45 | 24.95 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 1RB#8 | 22.35 | 24.85 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 1RB#0 | 22.38 | 24.88 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 8RB#7 | 21.46 | 23.96 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 8RB#4 | 21.37 | 23.87 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 8RB#0 | 21.43 | 23.93 | PASS |

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|-------|------|-------|-------|---------|-------|-------|------|
| Band2 | 3MHz | QPSK | 19185 | 15RB#0 | 21.47 | 23.97 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 1RB#14 | 21.97 | 24.47 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 1RB#0 | 22.01 | 24.51 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 1RB#8 | 21.72 | 24.22 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 8RB#7 | 20.71 | 23.21 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 8RB#4 | 20.78 | 23.28 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 8RB#0 | 20.77 | 23.27 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 15RB#0 | 20.79 | 23.29 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 1RB#0 | 21.60 | 24.10 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 1RB#8 | 21.37 | 23.87 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 1RB#14 | 21.53 | 24.03 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 8RB#4 | 20.45 | 22.95 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 8RB#0 | 20.45 | 22.95 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 8RB#7 | 20.34 | 22.84 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 15RB#0 | 20.35 | 22.85 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 1RB#0 | 21.58 | 24.08 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 1RB#8 | 21.35 | 23.85 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 1RB#14 | 21.52 | 24.02 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 8RB#0 | 20.30 | 22.80 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 8RB#4 | 20.31 | 22.81 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 8RB#7 | 20.30 | 22.80 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 15RB#0 | 20.54 | 23.04 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 1RB#24 | 22.98 | 25.48 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 1RB#0 | 22.93 | 25.43 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 1RB#12 | 23.01 | 25.51 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 12RB#13 | 21.65 | 24.15 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 12RB#0 | 21.71 | 24.21 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 12RB#6 | 21.75 | 24.25 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 25RB#0 | 21.67 | 24.17 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 1RB#24 | 22.52 | 25.02 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 1RB#12 | 22.50 | 25.00 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 1RB#0 | 22.62 | 25.12 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 12RB#6 | 21.46 | 23.96 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 12RB#0 | 21.44 | 23.94 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 12RB#13 | 21.30 | 23.80 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 25RB#0 | 21.38 | 23.88 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 1RB#12 | 22.56 | 25.06 | PASS |

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|-------|-------|-------|-------|---------|-------|-------|------|
| Band2 | 5MHz | QPSK | 19175 | 1RB#24 | 22.57 | 25.07 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 1RB#0 | 23.13 | 25.63 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 12RB#0 | 21.91 | 24.41 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 12RB#6 | 21.82 | 24.32 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 12RB#13 | 21.35 | 23.85 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 25RB#0 | 21.83 | 24.33 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 1RB#12 | 21.94 | 24.44 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 1RB#24 | 21.87 | 24.37 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 1RB#0 | 21.96 | 24.46 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 12RB#0 | 20.77 | 23.27 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 12RB#6 | 20.79 | 23.29 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 12RB#13 | 20.70 | 23.20 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 25RB#0 | 20.75 | 23.25 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 1RB#24 | 21.63 | 24.13 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 1RB#12 | 21.64 | 24.14 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 1RB#0 | 21.81 | 24.31 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 12RB#0 | 20.48 | 22.98 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 12RB#6 | 20.53 | 23.03 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 12RB#13 | 20.41 | 22.91 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 25RB#0 | 20.40 | 22.90 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 1RB#24 | 21.71 | 24.21 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 1RB#12 | 21.43 | 23.93 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 1RB#0 | 22.11 | 24.61 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 12RB#0 | 20.84 | 23.34 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 12RB#6 | 20.89 | 23.39 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 12RB#13 | 20.43 | 22.93 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 25RB#0 | 21.08 | 23.58 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 1RB#24 | 22.85 | 25.35 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 1RB#49 | 22.56 | 25.06 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 1RB#0 | 23.03 | 25.53 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 25RB#25 | 21.70 | 24.20 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 25RB#0 | 21.78 | 24.28 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 25RB#12 | 21.77 | 24.27 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 50RB#0 | 21.81 | 24.31 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 1RB#49 | 22.54 | 25.04 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 1RB#24 | 22.73 | 25.23 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 1RB#0 | 22.88 | 25.38 | PASS |

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|-------|-------|-------|-------|---------|-------|-------|------|
| Band2 | 10MHz | QPSK | 18900 | 25RB#25 | 21.41 | 23.91 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 25RB#12 | 21.65 | 24.15 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 25RB#0 | 21.65 | 24.15 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 50RB#0 | 21.54 | 24.04 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 1RB#0 | 22.96 | 25.46 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 1RB#49 | 22.53 | 25.03 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 1RB#24 | 22.81 | 25.31 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 25RB#25 | 21.75 | 24.25 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 25RB#12 | 21.85 | 24.35 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 25RB#0 | 21.85 | 24.35 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 50RB#0 | 22.00 | 24.50 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#0 | 22.41 | 24.91 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#24 | 22.07 | 24.57 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#49 | 21.62 | 24.12 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 25RB#12 | 20.69 | 23.19 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 25RB#0 | 20.72 | 23.22 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 25RB#25 | 20.66 | 23.16 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 50RB#0 | 20.78 | 23.28 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#49 | 21.29 | 23.79 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#24 | 21.27 | 23.77 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#0 | 21.67 | 24.17 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 25RB#25 | 20.38 | 22.88 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 25RB#12 | 20.60 | 23.10 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 25RB#0 | 20.62 | 23.12 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 50RB#0 | 20.59 | 23.09 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#0 | 22.09 | 24.59 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#49 | 21.46 | 23.96 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#24 | 22.01 | 24.51 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 25RB#0 | 20.76 | 23.26 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 25RB#12 | 20.76 | 23.26 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 25RB#25 | 20.96 | 23.46 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 50RB#0 | 20.92 | 23.42 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 1RB#0 | 23.28 | 25.78 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 1RB#74 | 22.77 | 25.27 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 1RB#38 | 22.74 | 25.24 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 38RB#0 | 22.32 | 24.82 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 38RB#37 | 21.90 | 24.40 | PASS |

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|-------|-------|-------|-------|---------|-------|-------|------|
| Band2 | 15MHz | QPSK | 18675 | 38RB#18 | 21.70 | 24.20 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 75RB#0 | 21.82 | 24.32 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 1RB#0 | 23.16 | 25.66 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 1RB#74 | 22.66 | 25.16 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 1RB#38 | 22.50 | 25.00 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 38RB#37 | 21.64 | 24.14 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 38RB#18 | 21.49 | 23.99 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 38RB#0 | 22.08 | 24.58 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 75RB#0 | 21.50 | 24.00 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 1RB#74 | 22.52 | 25.02 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 1RB#38 | 22.71 | 25.21 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 1RB#0 | 23.08 | 25.58 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 38RB#37 | 21.54 | 24.04 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 38RB#18 | 21.78 | 24.28 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 38RB#0 | 22.20 | 24.70 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 75RB#0 | 21.91 | 24.41 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#38 | 21.71 | 24.21 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#74 | 21.92 | 24.42 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#0 | 22.38 | 24.88 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 38RB#18 | 21.66 | 24.16 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 38RB#37 | 21.93 | 24.43 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 38RB#0 | 22.33 | 24.83 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 75RB#0 | 20.82 | 23.32 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#38 | 21.51 | 24.01 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#0 | 22.14 | 24.64 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#74 | 21.65 | 24.15 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 38RB#37 | 21.62 | 24.12 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 38RB#18 | 21.49 | 23.99 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 38RB#0 | 22.16 | 24.66 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 75RB#0 | 20.52 | 23.02 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#38 | 21.77 | 24.27 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#0 | 22.18 | 24.68 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#74 | 21.74 | 24.24 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 38RB#18 | 21.77 | 24.27 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 38RB#37 | 21.55 | 24.05 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 38RB#0 | 22.21 | 24.71 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 75RB#0 | 20.78 | 23.28 | PASS |

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|-------|-------|-------|-------|---------|-------|-------|------|
| Band2 | 20MHz | QPSK | 18700 | 1RB#99 | 22.93 | 25.43 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 1RB#0 | 23.47 | 25.97 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 1RB#49 | 22.97 | 25.47 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 50RB#50 | 21.73 | 24.23 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 50RB#0 | 22.06 | 24.56 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 50RB#25 | 22.04 | 24.54 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | 21.97 | 24.47 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 1RB#49 | 22.57 | 25.07 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 1RB#99 | 22.73 | 25.23 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 1RB#0 | 23.38 | 25.88 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 50RB#25 | 21.90 | 24.40 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 50RB#50 | 21.40 | 23.90 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 50RB#0 | 21.88 | 24.38 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | 21.67 | 24.17 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 1RB#0 | 23.32 | 25.82 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 1RB#49 | 22.81 | 25.31 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 1RB#99 | 22.36 | 24.86 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 50RB#0 | 21.96 | 24.46 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 50RB#25 | 21.97 | 24.47 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 50RB#50 | 21.76 | 24.26 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | 21.93 | 24.43 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#99 | 21.83 | 24.33 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#49 | 21.71 | 24.21 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#0 | 22.46 | 24.96 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 50RB#0 | 21.06 | 23.56 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 50RB#25 | 21.11 | 23.61 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 50RB#50 | 20.75 | 23.25 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | 20.89 | 23.39 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#99 | 21.82 | 24.32 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#49 | 21.63 | 24.13 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#0 | 22.52 | 25.02 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 50RB#50 | 20.48 | 22.98 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 50RB#0 | 20.88 | 23.38 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 50RB#25 | 20.88 | 23.38 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | 20.71 | 23.21 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#99 | 21.35 | 23.85 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#49 | 21.51 | 24.01 | PASS |

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|-------|--------|-------|-------|---------|-------|-------|------|
| Band2 | 20MHz | 16QAM | 19100 | 1RB#0 | 22.12 | 24.62 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 50RB#25 | 20.95 | 23.45 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 50RB#50 | 20.90 | 23.40 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 50RB#0 | 20.94 | 23.44 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 100RB#0 | 20.96 | 23.46 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#5 | 23.27 | 25.77 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#2 | 23.18 | 25.68 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#0 | 23.29 | 25.79 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 3RB#0 | 22.89 | 25.39 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 3RB#1 | 22.82 | 25.32 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 3RB#3 | 22.84 | 25.34 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 6RB#0 | 21.92 | 24.42 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#5 | 23.29 | 25.79 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#2 | 23.17 | 25.67 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#0 | 23.26 | 25.76 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 3RB#3 | 23.10 | 25.60 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 3RB#0 | 23.01 | 25.51 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 3RB#1 | 23.16 | 25.66 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 6RB#0 | 22.01 | 24.51 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#5 | 23.12 | 25.62 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#2 | 23.18 | 25.68 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#0 | 23.18 | 25.68 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 3RB#0 | 23.02 | 25.52 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 3RB#1 | 23.03 | 25.53 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 3RB#3 | 23.03 | 25.53 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 6RB#0 | 22.00 | 24.50 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#5 | 21.84 | 24.34 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#2 | 21.97 | 24.47 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#0 | 21.88 | 24.38 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 3RB#3 | 21.56 | 24.06 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 3RB#0 | 21.77 | 24.27 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 3RB#1 | 21.63 | 24.13 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 6RB#0 | 20.92 | 23.42 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#5 | 21.95 | 24.45 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#2 | 21.93 | 24.43 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#0 | 21.86 | 24.36 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 3RB#1 | 21.83 | 24.33 | PASS |

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|-------|--------|-------|-------|--------|-------|-------|------|
| Band4 | 1.4MHz | 16QAM | 20175 | 3RB#3 | 21.82 | 24.32 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 3RB#0 | 21.82 | 24.32 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 6RB#0 | 20.95 | 23.45 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#2 | 22.25 | 24.75 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#5 | 22.00 | 24.50 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#0 | 22.06 | 24.56 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#1 | 21.88 | 24.38 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#3 | 21.80 | 24.30 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#0 | 21.75 | 24.25 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0 | 20.97 | 23.47 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#0 | 22.89 | 25.39 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#14 | 22.87 | 25.37 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#8 | 22.88 | 25.38 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 8RB#7 | 21.87 | 24.37 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 8RB#0 | 21.94 | 24.44 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 8RB#4 | 21.95 | 24.45 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 15RB#0 | 21.86 | 24.36 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#8 | 23.14 | 25.64 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#0 | 23.37 | 25.87 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#14 | 23.07 | 25.57 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 8RB#7 | 22.02 | 24.52 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 8RB#4 | 22.05 | 24.55 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 8RB#0 | 22.05 | 24.55 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 15RB#0 | 21.94 | 24.44 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#0 | 23.12 | 25.62 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#14 | 23.13 | 25.63 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#8 | 23.00 | 25.50 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 8RB#7 | 22.08 | 24.58 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 8RB#4 | 22.02 | 24.52 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 8RB#0 | 22.03 | 24.53 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 15RB#0 | 22.04 | 24.54 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#8 | 21.83 | 24.33 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#0 | 22.12 | 24.62 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#14 | 22.17 | 24.67 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 8RB#0 | 21.00 | 23.50 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 8RB#4 | 20.99 | 23.49 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 8RB#7 | 20.91 | 23.41 | PASS |

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|-------|------|-------|-------|---------|-------|-------|------|
| Band4 | 3MHz | 16QAM | 19965 | 15RB#0 | 20.90 | 23.40 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#8 | 21.97 | 24.47 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#14 | 22.28 | 24.78 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#0 | 22.39 | 24.89 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 8RB#7 | 21.03 | 23.53 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 8RB#4 | 21.00 | 23.50 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 8RB#0 | 21.02 | 23.52 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 15RB#0 | 20.91 | 23.41 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#0 | 21.90 | 24.40 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#8 | 21.98 | 24.48 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#14 | 22.02 | 24.52 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#0 | 21.02 | 23.52 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#4 | 21.03 | 23.53 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#7 | 21.04 | 23.54 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0 | 20.92 | 23.42 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#0 | 23.37 | 25.87 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#12 | 23.00 | 25.50 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#24 | 23.07 | 25.57 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 12RB#0 | 22.07 | 24.57 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 12RB#6 | 22.10 | 24.60 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 12RB#13 | 21.85 | 24.35 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 25RB#0 | 21.83 | 24.33 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#12 | 23.28 | 25.78 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#24 | 23.28 | 25.78 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#0 | 23.41 | 25.91 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 12RB#0 | 22.16 | 24.66 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 12RB#6 | 22.15 | 24.65 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 12RB#13 | 22.04 | 24.54 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 25RB#0 | 21.99 | 24.49 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 1RB#0 | 23.60 | 26.10 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 1RB#24 | 23.20 | 25.70 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 1RB#12 | 23.35 | 25.85 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 12RB#0 | 22.04 | 24.54 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 12RB#13 | 21.97 | 24.47 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 12RB#6 | 21.99 | 24.49 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 25RB#0 | 22.00 | 24.50 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0 | 22.07 | 24.57 | PASS |

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|-------|-------|-------|-------|---------|-------|-------|------|
| Band4 | 5MHz | 16QAM | 19975 | 1RB#24 | 21.88 | 24.38 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#12 | 21.89 | 24.39 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#6 | 20.99 | 23.49 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#0 | 20.98 | 23.48 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#13 | 20.83 | 23.33 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0 | 20.88 | 23.38 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#12 | 22.20 | 24.70 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#0 | 22.21 | 24.71 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#24 | 22.23 | 24.73 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#13 | 21.07 | 23.57 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#0 | 21.12 | 23.62 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#6 | 21.12 | 23.62 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 25RB#0 | 20.99 | 23.49 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#12 | 22.02 | 24.52 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#24 | 22.03 | 24.53 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#0 | 22.14 | 24.64 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 12RB#6 | 21.05 | 23.55 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 12RB#13 | 21.01 | 23.51 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 12RB#0 | 21.03 | 23.53 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 25RB#0 | 21.09 | 23.59 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#49 | 23.00 | 25.50 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#0 | 23.18 | 25.68 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#24 | 23.10 | 25.60 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 25RB#25 | 21.73 | 24.23 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 25RB#0 | 21.98 | 24.48 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 25RB#12 | 21.98 | 24.48 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 50RB#0 | 21.95 | 24.45 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#24 | 23.19 | 25.69 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#49 | 23.16 | 25.66 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#0 | 23.58 | 26.08 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 25RB#12 | 22.17 | 24.67 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 25RB#25 | 22.05 | 24.55 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 25RB#0 | 22.18 | 24.68 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 50RB#0 | 22.11 | 24.61 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#0 | 23.56 | 26.06 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#24 | 23.03 | 25.53 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#49 | 23.25 | 25.75 | PASS |

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|-------|-------|-------|-------|---------|-------|-------|------|
| Band4 | 10MHz | QPSK | 20350 | 25RB#0 | 22.14 | 24.64 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 25RB#12 | 22.10 | 24.60 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 25RB#25 | 21.93 | 24.43 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 50RB#0 | 22.12 | 24.62 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#49 | 21.93 | 24.43 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#24 | 22.09 | 24.59 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0 | 22.32 | 24.82 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#0 | 20.91 | 23.41 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#25 | 20.73 | 23.23 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#12 | 20.91 | 23.41 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0 | 20.93 | 23.43 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0 | 22.18 | 24.68 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#24 | 22.05 | 24.55 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#49 | 22.00 | 24.50 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#0 | 21.03 | 23.53 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#25 | 21.06 | 23.56 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#12 | 21.12 | 23.62 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0 | 21.09 | 23.59 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0 | 22.19 | 24.69 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#24 | 21.97 | 24.47 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#49 | 21.97 | 24.47 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#0 | 21.18 | 23.68 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#12 | 21.12 | 23.62 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#25 | 21.01 | 23.51 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0 | 21.13 | 23.63 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#74 | 23.15 | 25.65 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#0 | 23.38 | 25.88 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#38 | 22.96 | 25.46 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 38RB#0 | 22.59 | 25.09 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 38RB#18 | 22.02 | 24.52 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 38RB#37 | 22.30 | 24.80 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 75RB#0 | 22.14 | 24.64 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#38 | 23.42 | 25.92 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#74 | 23.69 | 26.19 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#0 | 23.87 | 26.37 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 38RB#18 | 22.48 | 24.98 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 38RB#37 | 22.64 | 25.14 | PASS |

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|-------|-------|-------|-------|---------|-------|-------|------|
| Band4 | 15MHz | QPSK | 20175 | 38RB#0 | 22.93 | 25.43 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 75RB#0 | 22.43 | 24.93 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#74 | 23.31 | 25.81 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#0 | 23.74 | 26.24 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#38 | 23.13 | 25.63 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 38RB#37 | 22.12 | 24.62 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 38RB#18 | 21.98 | 24.48 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 38RB#0 | 22.59 | 25.09 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 75RB#0 | 22.28 | 24.78 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0 | 22.50 | 25.00 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#38 | 22.07 | 24.57 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#74 | 22.39 | 24.89 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#18 | 22.09 | 24.59 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#0 | 22.56 | 25.06 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#37 | 22.34 | 24.84 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0 | 21.09 | 23.59 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#38 | 22.45 | 24.95 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#74 | 22.64 | 25.14 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0 | 22.84 | 25.34 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#37 | 22.63 | 25.13 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#18 | 22.48 | 24.98 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#0 | 22.92 | 25.42 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0 | 21.45 | 23.95 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#38 | 21.97 | 24.47 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#74 | 22.09 | 24.59 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0 | 22.57 | 25.07 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#18 | 21.98 | 24.48 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#37 | 22.08 | 24.58 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#0 | 22.59 | 25.09 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0 | 21.34 | 23.84 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#99 | 23.51 | 26.01 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#49 | 22.99 | 25.49 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#0 | 23.76 | 26.26 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 50RB#0 | 22.34 | 24.84 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 50RB#50 | 22.19 | 24.69 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 50RB#25 | 22.34 | 24.84 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 100RB#0 | 22.29 | 24.79 | PASS |

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|-------|--------|-------|-------|---------|-------|-------|------|
| Band4 | 20MHz | QPSK | 20175 | 1RB#99 | 23.71 | 26.21 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#49 | 23.57 | 26.07 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#0 | 24.13 | 26.63 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 50RB#0 | 22.60 | 25.10 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 50RB#50 | 22.52 | 25.02 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 50RB#25 | 22.62 | 25.12 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 100RB#0 | 22.60 | 25.10 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#0 | 24.00 | 26.50 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#99 | 23.51 | 26.01 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#49 | 23.36 | 25.86 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 50RB#0 | 22.59 | 25.09 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 50RB#50 | 22.17 | 24.67 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 50RB#25 | 22.64 | 25.14 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 100RB#0 | 22.39 | 24.89 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#49 | 21.84 | 24.34 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0 | 22.73 | 25.23 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#99 | 22.44 | 24.94 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 50RB#0 | 21.36 | 23.86 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 50RB#50 | 21.21 | 23.71 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 50RB#25 | 21.42 | 23.92 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | 21.30 | 23.80 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#99 | 22.85 | 25.35 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#49 | 22.54 | 25.04 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0 | 23.04 | 25.54 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 50RB#0 | 21.60 | 24.10 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 50RB#25 | 21.62 | 24.12 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 50RB#50 | 21.51 | 24.01 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | 21.65 | 24.15 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#99 | 22.19 | 24.69 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0 | 22.75 | 25.25 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#49 | 21.96 | 24.46 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 50RB#0 | 21.65 | 24.15 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 50RB#50 | 21.28 | 23.78 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 50RB#25 | 21.65 | 24.15 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | 21.43 | 23.93 | PASS |
| Band5 | 1.4MHz | QPSK | 20407 | 1RB#0 | 23.77 | 24.12 | PASS |
| Band5 | 1.4MHz | QPSK | 20407 | 1RB#5 | 23.50 | 23.85 | PASS |

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|-------|--------|-------|-------|-------|-------|-------|------|
| Band5 | 1.4MHz | QPSK | 20407 | 1RB#2 | 23.79 | 24.14 | PASS |
| Band5 | 1.4MHz | QPSK | 20407 | 3RB#1 | 23.46 | 23.81 | PASS |
| Band5 | 1.4MHz | QPSK | 20407 | 3RB#0 | 23.44 | 23.79 | PASS |
| Band5 | 1.4MHz | QPSK | 20407 | 3RB#3 | 23.25 | 23.60 | PASS |
| Band5 | 1.4MHz | QPSK | 20407 | 6RB#0 | 22.43 | 22.78 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 1RB#5 | 23.55 | 23.90 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 1RB#2 | 23.61 | 23.96 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 1RB#0 | 23.62 | 23.97 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 3RB#1 | 23.42 | 23.77 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 3RB#3 | 23.40 | 23.75 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 3RB#0 | 23.42 | 23.77 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | 22.36 | 22.71 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 1RB#0 | 23.45 | 23.80 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 1RB#2 | 23.37 | 23.72 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 1RB#5 | 23.24 | 23.59 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 3RB#3 | 23.45 | 23.80 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 3RB#1 | 23.40 | 23.75 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 3RB#0 | 23.44 | 23.79 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 6RB#0 | 22.32 | 22.67 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 1RB#5 | 22.26 | 22.61 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 1RB#2 | 22.76 | 23.11 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 1RB#0 | 22.40 | 22.75 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 3RB#1 | 22.23 | 22.58 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 3RB#0 | 22.22 | 22.57 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 3RB#3 | 22.16 | 22.51 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | 21.35 | 21.70 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 1RB#0 | 22.39 | 22.74 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 1RB#5 | 22.38 | 22.73 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 1RB#2 | 22.51 | 22.86 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 3RB#3 | 22.28 | 22.63 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 3RB#1 | 22.30 | 22.65 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 3RB#0 | 22.29 | 22.64 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | 21.22 | 21.57 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#0 | 22.44 | 22.79 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#2 | 22.23 | 22.58 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#5 | 22.28 | 22.63 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#1 | 22.11 | 22.46 | PASS |

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|-------|--------|-------|-------|--------|-------|-------|------|
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#0 | 22.10 | 22.45 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 3RB#3 | 22.21 | 22.56 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0 | 21.41 | 21.76 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 1RB#0 | 23.51 | 23.86 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 1RB#8 | 23.52 | 23.87 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 1RB#14 | 23.68 | 24.03 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 8RB#0 | 22.43 | 22.78 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 8RB#4 | 22.43 | 22.78 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 8RB#7 | 22.58 | 22.93 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 15RB#0 | 22.42 | 22.77 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 1RB#0 | 23.64 | 23.99 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 1RB#8 | 23.72 | 24.07 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 1RB#14 | 23.50 | 23.85 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 8RB#7 | 22.43 | 22.78 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 8RB#4 | 22.47 | 22.82 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 8RB#0 | 22.49 | 22.84 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | 22.44 | 22.79 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 1RB#14 | 23.27 | 23.62 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 1RB#8 | 23.37 | 23.72 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 1RB#0 | 23.32 | 23.67 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 8RB#7 | 22.43 | 22.78 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 8RB#4 | 22.52 | 22.87 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 8RB#0 | 22.56 | 22.91 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 15RB#0 | 22.34 | 22.69 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 1RB#14 | 22.97 | 23.32 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 1RB#8 | 22.73 | 23.08 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 1RB#0 | 22.64 | 22.99 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 8RB#4 | 21.47 | 21.82 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 8RB#7 | 21.52 | 21.87 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 8RB#0 | 21.45 | 21.80 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | 21.52 | 21.87 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#14 | 22.61 | 22.96 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#8 | 22.43 | 22.78 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#0 | 22.77 | 23.12 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 8RB#4 | 21.42 | 21.77 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 8RB#7 | 21.40 | 21.75 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 8RB#0 | 21.42 | 21.77 | PASS |

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|-------|------|-------|-------|---------|-------|-------|------|
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | 21.40 | 21.75 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#14 | 22.25 | 22.60 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#8 | 22.28 | 22.63 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#0 | 22.20 | 22.55 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#4 | 21.37 | 21.72 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#7 | 21.40 | 21.75 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 8RB#0 | 21.37 | 21.72 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | 21.24 | 21.59 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 1RB#24 | 23.82 | 24.17 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 1RB#0 | 23.78 | 24.13 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 1RB#12 | 23.70 | 24.05 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 12RB#13 | 22.66 | 23.01 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 12RB#6 | 22.53 | 22.88 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 12RB#0 | 22.55 | 22.90 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 25RB#0 | 22.53 | 22.88 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 1RB#12 | 23.70 | 24.05 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 1RB#24 | 23.79 | 24.14 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 1RB#0 | 23.70 | 24.05 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 12RB#0 | 22.40 | 22.75 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 12RB#13 | 22.43 | 22.78 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 12RB#6 | 22.42 | 22.77 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | 22.45 | 22.80 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 1RB#24 | 23.56 | 23.91 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 1RB#0 | 23.69 | 24.04 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 1RB#12 | 23.71 | 24.06 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 12RB#0 | 22.54 | 22.89 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 12RB#13 | 22.36 | 22.71 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 12RB#6 | 22.39 | 22.74 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 25RB#0 | 22.37 | 22.72 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 1RB#12 | 22.52 | 22.87 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 1RB#0 | 22.51 | 22.86 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 1RB#24 | 22.66 | 23.01 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 12RB#0 | 21.50 | 21.85 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 12RB#6 | 21.48 | 21.83 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 12RB#13 | 21.56 | 21.91 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | 21.41 | 21.76 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 1RB#12 | 22.65 | 23.00 | PASS |

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|-------|-------|-------|-------|---------|-------|-------|------|
| Band5 | 5MHz | 16QAM | 20525 | 1RB#0 | 22.61 | 22.96 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 1RB#24 | 22.56 | 22.91 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 12RB#13 | 21.48 | 21.83 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 12RB#0 | 21.48 | 21.83 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 12RB#6 | 21.48 | 21.83 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | 21.34 | 21.69 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 1RB#0 | 22.51 | 22.86 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 1RB#24 | 22.51 | 22.86 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 1RB#12 | 22.67 | 23.02 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 12RB#0 | 21.54 | 21.89 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 12RB#6 | 21.37 | 21.72 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 12RB#13 | 21.35 | 21.70 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 25RB#0 | 21.38 | 21.73 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 1RB#49 | 23.59 | 23.94 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 1RB#24 | 23.59 | 23.94 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 1RB#0 | 23.38 | 23.73 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 25RB#25 | 22.57 | 22.92 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 25RB#12 | 22.64 | 22.99 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 25RB#0 | 22.65 | 23.00 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 50RB#0 | 22.57 | 22.92 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 1RB#24 | 23.66 | 24.01 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 1RB#49 | 23.31 | 23.66 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 1RB#0 | 23.62 | 23.97 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 25RB#25 | 22.29 | 22.64 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 25RB#0 | 22.46 | 22.81 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 25RB#12 | 22.48 | 22.83 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | 22.43 | 22.78 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 1RB#0 | 23.66 | 24.01 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 1RB#24 | 23.55 | 23.90 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 1RB#49 | 23.48 | 23.83 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 25RB#25 | 22.46 | 22.81 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 25RB#12 | 22.57 | 22.92 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 25RB#0 | 22.57 | 22.92 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 50RB#0 | 22.51 | 22.86 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#24 | 22.82 | 23.17 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0 | 22.77 | 23.12 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#49 | 22.69 | 23.04 | PASS |

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|--------|--------|-------|-------|---------|-------|-------|------|
| Band5 | 10MHz | 16QAM | 20450 | 25RB#25 | 21.53 | 21.88 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#0 | 21.54 | 21.89 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 25RB#12 | 21.60 | 21.95 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | 21.49 | 21.84 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#49 | 22.22 | 22.57 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#24 | 22.46 | 22.81 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#0 | 22.45 | 22.80 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#25 | 21.36 | 21.71 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#12 | 21.40 | 21.75 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 25RB#0 | 21.42 | 21.77 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | 21.51 | 21.86 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0 | 22.60 | 22.95 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#24 | 22.39 | 22.74 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#49 | 22.21 | 22.56 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#25 | 21.43 | 21.78 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#12 | 21.53 | 21.88 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 25RB#0 | 21.54 | 21.89 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | 21.53 | 21.88 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 1RB#5 | 22.61 | 22.96 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 1RB#0 | 23.02 | 23.37 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 1RB#2 | 22.94 | 23.29 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 3RB#3 | 22.62 | 22.97 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 3RB#0 | 22.65 | 23 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 3RB#1 | 22.65 | 23 | PASS |
| Band12 | 1.4MHz | QPSK | 23017 | 6RB#0 | 21.73 | 22.08 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 1RB#2 | 22.75 | 23.1 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 1RB#5 | 22.68 | 23.03 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 1RB#0 | 22.52 | 22.87 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 3RB#3 | 22.65 | 23 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 3RB#0 | 22.66 | 23.01 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 3RB#1 | 22.63 | 22.98 | PASS |
| Band12 | 1.4MHz | QPSK | 23095 | 6RB#0 | 21.50 | 21.85 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 1RB#0 | 22.66 | 23.01 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 1RB#2 | 22.58 | 22.93 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 1RB#5 | 22.53 | 22.88 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 3RB#1 | 22.42 | 22.77 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 3RB#3 | 22.37 | 22.72 | PASS |

| | | | | | | | |
|--------|--------|-------|-------|--------|-------|-------|------|
| Band12 | 1.4MHz | QPSK | 23173 | 3RB#0 | 22.37 | 22.72 | PASS |
| Band12 | 1.4MHz | QPSK | 23173 | 6RB#0 | 21.28 | 21.63 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#2 | 21.90 | 22.25 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#0 | 21.65 | 22 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 1RB#5 | 21.32 | 21.67 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 3RB#1 | 21.59 | 21.94 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 3RB#3 | 21.57 | 21.92 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 3RB#0 | 21.58 | 21.93 | PASS |
| Band12 | 1.4MHz | 16QAM | 23017 | 6RB#0 | 20.71 | 21.06 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#2 | 21.71 | 22.06 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#0 | 21.42 | 21.77 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 1RB#5 | 21.47 | 21.82 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#0 | 21.55 | 21.9 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#1 | 21.64 | 21.99 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 3RB#3 | 21.65 | 22 | PASS |
| Band12 | 1.4MHz | 16QAM | 23095 | 6RB#0 | 20.37 | 20.72 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#5 | 21.40 | 21.75 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#0 | 21.37 | 21.72 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 1RB#2 | 21.56 | 21.91 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#0 | 21.18 | 21.53 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#1 | 21.11 | 21.46 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 3RB#3 | 21.36 | 21.71 | PASS |
| Band12 | 1.4MHz | 16QAM | 23173 | 6RB#0 | 20.22 | 20.57 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 1RB#8 | 22.78 | 23.13 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 1RB#14 | 22.97 | 23.32 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 1RB#0 | 22.88 | 23.23 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 8RB#7 | 21.75 | 22.1 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 8RB#0 | 21.74 | 22.09 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 8RB#4 | 21.74 | 22.09 | PASS |
| Band12 | 3MHz | QPSK | 23025 | 15RB#0 | 21.72 | 22.07 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 1RB#14 | 22.82 | 23.17 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 1RB#8 | 22.84 | 23.19 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 1RB#0 | 22.82 | 23.17 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 8RB#4 | 21.67 | 22.02 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 8RB#7 | 21.72 | 22.07 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 8RB#0 | 21.77 | 22.12 | PASS |
| Band12 | 3MHz | QPSK | 23095 | 15RB#0 | 21.66 | 22.01 | PASS |

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|--------|------|-------|-------|---------|-------|-------|------|
| Band12 | 3MHz | QPSK | 23165 | 1RB#8 | 22.57 | 22.92 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 1RB#0 | 22.46 | 22.81 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 1RB#14 | 22.32 | 22.67 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 8RB#7 | 21.40 | 21.75 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 8RB#4 | 21.51 | 21.86 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 8RB#0 | 21.44 | 21.79 | PASS |
| Band12 | 3MHz | QPSK | 23165 | 15RB#0 | 21.50 | 21.85 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#14 | 22.25 | 22.6 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#0 | 22.27 | 22.62 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 1RB#8 | 21.91 | 22.26 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 8RB#7 | 20.75 | 21.1 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 8RB#4 | 20.74 | 21.09 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 8RB#0 | 20.75 | 21.1 | PASS |
| Band12 | 3MHz | 16QAM | 23025 | 15RB#0 | 20.81 | 21.16 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#8 | 21.60 | 21.95 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#14 | 21.79 | 22.14 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 1RB#0 | 21.93 | 22.28 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#7 | 20.67 | 21.02 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#4 | 20.74 | 21.09 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 8RB#0 | 20.76 | 21.11 | PASS |
| Band12 | 3MHz | 16QAM | 23095 | 15RB#0 | 20.69 | 21.04 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#0 | 20.90 | 21.25 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#8 | 21.14 | 21.49 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 1RB#14 | 20.93 | 21.28 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#7 | 20.45 | 20.8 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#4 | 20.41 | 20.76 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 8RB#0 | 20.42 | 20.77 | PASS |
| Band12 | 3MHz | 16QAM | 23165 | 15RB#0 | 20.44 | 20.79 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 1RB#0 | 22.88 | 23.23 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 1RB#12 | 23.00 | 23.35 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 1RB#24 | 22.95 | 23.3 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 12RB#0 | 21.87 | 22.22 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 12RB#13 | 21.75 | 22.1 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 12RB#6 | 21.87 | 22.22 | PASS |
| Band12 | 5MHz | QPSK | 23035 | 25RB#0 | 21.86 | 22.21 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 1RB#24 | 22.72 | 23.07 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 1RB#12 | 22.96 | 23.31 | PASS |

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|--------|-------|-------|-------|---------|-------|-------|------|
| Band12 | 5MHz | QPSK | 23095 | 1RB#0 | 23.00 | 23.35 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 12RB#6 | 21.81 | 22.16 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 12RB#0 | 21.70 | 22.05 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 12RB#13 | 21.68 | 22.03 | PASS |
| Band12 | 5MHz | QPSK | 23095 | 25RB#0 | 21.80 | 22.15 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 1RB#12 | 22.69 | 23.04 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 1RB#0 | 22.78 | 23.13 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 1RB#24 | 22.56 | 22.91 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 12RB#6 | 21.45 | 21.8 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 12RB#13 | 21.58 | 21.93 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 12RB#0 | 21.55 | 21.9 | PASS |
| Band12 | 5MHz | QPSK | 23155 | 25RB#0 | 21.53 | 21.88 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#12 | 22.03 | 22.38 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#0 | 21.88 | 22.23 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 1RB#24 | 22.06 | 22.41 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#13 | 20.83 | 21.18 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#0 | 20.78 | 21.13 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 12RB#6 | 20.83 | 21.18 | PASS |
| Band12 | 5MHz | 16QAM | 23035 | 25RB#0 | 20.82 | 21.17 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#24 | 21.84 | 22.19 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#12 | 21.92 | 22.27 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 1RB#0 | 21.84 | 22.19 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#13 | 20.75 | 21.1 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#6 | 20.75 | 21.1 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 12RB#0 | 20.76 | 21.11 | PASS |
| Band12 | 5MHz | 16QAM | 23095 | 25RB#0 | 20.68 | 21.03 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#12 | 22.07 | 22.42 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#0 | 21.94 | 22.29 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 1RB#24 | 21.77 | 22.12 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 12RB#0 | 20.57 | 20.92 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 12RB#6 | 20.54 | 20.89 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 12RB#13 | 20.65 | 21 | PASS |
| Band12 | 5MHz | 16QAM | 23155 | 25RB#0 | 20.64 | 20.99 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 1RB#24 | 23.01 | 23.36 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 1RB#49 | 22.61 | 22.96 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 1RB#0 | 22.83 | 23.18 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 25RB#25 | 21.65 | 22 | PASS |

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|--------|-------|-------|-------|---------|-------|-------|------|
| Band12 | 10MHz | QPSK | 23060 | 25RB#0 | 21.83 | 22.18 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 25RB#12 | 21.81 | 22.16 | PASS |
| Band12 | 10MHz | QPSK | 23060 | 50RB#0 | 21.80 | 22.15 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 1RB#49 | 22.61 | 22.96 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 1RB#0 | 22.90 | 23.25 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 1RB#24 | 22.91 | 23.26 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 25RB#25 | 21.74 | 22.09 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 25RB#0 | 21.90 | 22.25 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 25RB#12 | 21.89 | 22.24 | PASS |
| Band12 | 10MHz | QPSK | 23095 | 50RB#0 | 21.84 | 22.19 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 1RB#0 | 22.79 | 23.14 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 1RB#24 | 22.66 | 23.01 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 1RB#49 | 22.57 | 22.92 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 25RB#25 | 21.60 | 21.95 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 25RB#12 | 21.68 | 22.03 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 25RB#0 | 21.67 | 22.02 | PASS |
| Band12 | 10MHz | QPSK | 23130 | 50RB#0 | 21.75 | 22.1 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#24 | 21.84 | 22.19 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#0 | 21.78 | 22.13 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 1RB#49 | 21.55 | 21.9 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#25 | 20.64 | 20.99 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#0 | 20.77 | 21.12 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 25RB#12 | 20.76 | 21.11 | PASS |
| Band12 | 10MHz | 16QAM | 23060 | 50RB#0 | 20.74 | 21.09 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#49 | 21.58 | 21.93 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#24 | 21.76 | 22.11 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 1RB#0 | 21.96 | 22.31 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#25 | 20.70 | 21.05 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#12 | 20.86 | 21.21 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 25RB#0 | 20.84 | 21.19 | PASS |
| Band12 | 10MHz | 16QAM | 23095 | 50RB#0 | 20.79 | 21.14 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#0 | 21.46 | 21.81 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#24 | 21.26 | 21.61 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 1RB#49 | 20.96 | 21.31 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#25 | 20.57 | 20.92 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#0 | 20.74 | 21.09 | PASS |
| Band12 | 10MHz | 16QAM | 23130 | 25RB#12 | 20.74 | 21.09 | PASS |

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|--------|-------|-------|-------|---------|-------|-------|------|
| Band12 | 10MHz | 16QAM | 23130 | 50RB#0 | 20.73 | 21.08 | PASS |
| Band13 | 5MHz | QPSK | 23205 | 1RB#0 | 21.65 | 22.5 | PASS |
| Band13 | 5MHz | QPSK | 23205 | 1RB#24 | 21.56 | 22.41 | PASS |
| Band13 | 5MHz | QPSK | 23205 | 1RB#12 | 21.76 | 22.61 | PASS |
| Band13 | 5MHz | QPSK | 23205 | 12RB#0 | 20.54 | 21.39 | PASS |
| Band13 | 5MHz | QPSK | 23205 | 12RB#6 | 20.56 | 21.41 | PASS |
| Band13 | 5MHz | QPSK | 23205 | 12RB#13 | 20.45 | 21.3 | PASS |
| Band13 | 5MHz | QPSK | 23205 | 25RB#0 | 20.47 | 21.32 | PASS |
| Band13 | 5MHz | QPSK | 23230 | 1RB#0 | 21.73 | 22.58 | PASS |
| Band13 | 5MHz | QPSK | 23230 | 1RB#24 | 21.64 | 22.49 | PASS |
| Band13 | 5MHz | QPSK | 23230 | 1RB#12 | 21.75 | 22.6 | PASS |
| Band13 | 5MHz | QPSK | 23230 | 12RB#13 | 20.46 | 21.31 | PASS |
| Band13 | 5MHz | QPSK | 23230 | 12RB#6 | 20.46 | 21.31 | PASS |
| Band13 | 5MHz | QPSK | 23230 | 12RB#0 | 20.55 | 21.4 | PASS |
| Band13 | 5MHz | QPSK | 23230 | 25RB#0 | 20.55 | 21.4 | PASS |
| Band13 | 5MHz | QPSK | 23255 | 1RB#0 | 21.53 | 22.38 | PASS |
| Band13 | 5MHz | QPSK | 23255 | 1RB#24 | 21.76 | 22.61 | PASS |
| Band13 | 5MHz | QPSK | 23255 | 1RB#12 | 21.62 | 22.47 | PASS |
| Band13 | 5MHz | QPSK | 23255 | 12RB#0 | 20.49 | 21.34 | PASS |
| Band13 | 5MHz | QPSK | 23255 | 12RB#13 | 20.37 | 21.22 | PASS |
| Band13 | 5MHz | QPSK | 23255 | 12RB#6 | 20.49 | 21.34 | PASS |
| Band13 | 5MHz | QPSK | 23255 | 25RB#0 | 20.31 | 21.16 | PASS |
| Band13 | 5MHz | 16QAM | 23205 | 1RB#12 | 20.53 | 21.38 | PASS |
| Band13 | 5MHz | 16QAM | 23205 | 1RB#0 | 20.57 | 21.42 | PASS |
| Band13 | 5MHz | 16QAM | 23205 | 1RB#24 | 20.43 | 21.28 | PASS |
| Band13 | 5MHz | 16QAM | 23205 | 12RB#6 | 19.57 | 20.42 | PASS |
| Band13 | 5MHz | 16QAM | 23205 | 12RB#0 | 19.60 | 20.45 | PASS |
| Band13 | 5MHz | 16QAM | 23205 | 12RB#13 | 19.49 | 20.34 | PASS |
| Band13 | 5MHz | 16QAM | 23205 | 25RB#0 | 19.57 | 20.42 | PASS |
| Band13 | 5MHz | 16QAM | 23230 | 1RB#24 | 20.53 | 21.38 | PASS |
| Band13 | 5MHz | 16QAM | 23230 | 1RB#0 | 20.56 | 21.41 | PASS |
| Band13 | 5MHz | 16QAM | 23230 | 1RB#12 | 20.43 | 21.28 | PASS |
| Band13 | 5MHz | 16QAM | 23230 | 12RB#13 | 19.48 | 20.33 | PASS |
| Band13 | 5MHz | 16QAM | 23230 | 12RB#6 | 19.47 | 20.32 | PASS |
| Band13 | 5MHz | 16QAM | 23230 | 12RB#0 | 19.49 | 20.34 | PASS |
| Band13 | 5MHz | 16QAM | 23230 | 25RB#0 | 19.60 | 20.45 | PASS |
| Band13 | 5MHz | 16QAM | 23255 | 1RB#12 | 20.67 | 21.52 | PASS |

| | | | | | | | |
|--------|-------|-------|-------|---------|-------|-------|------|
| Band13 | 5MHz | 16QAM | 23255 | 1RB#24 | 20.67 | 21.52 | PASS |
| Band13 | 5MHz | 16QAM | 23255 | 1RB#0 | 20.56 | 21.41 | PASS |
| Band13 | 5MHz | 16QAM | 23255 | 12RB#13 | 19.42 | 20.27 | PASS |
| Band13 | 5MHz | 16QAM | 23255 | 12RB#6 | 19.47 | 20.32 | PASS |
| Band13 | 5MHz | 16QAM | 23255 | 12RB#0 | 19.45 | 20.3 | PASS |
| Band13 | 5MHz | 16QAM | 23255 | 25RB#0 | 19.34 | 20.19 | PASS |
| Band13 | 10MHz | QPSK | 23230 | 1RB#49 | 21.50 | 22.35 | PASS |
| Band13 | 10MHz | QPSK | 23230 | 1RB#0 | 21.60 | 22.45 | PASS |
| Band13 | 10MHz | QPSK | 23230 | 1RB#24 | 21.78 | 22.63 | PASS |
| Band13 | 10MHz | QPSK | 23230 | 25RB#25 | 20.61 | 21.46 | PASS |
| Band13 | 10MHz | QPSK | 23230 | 25RB#12 | 20.88 | 21.73 | PASS |
| Band13 | 10MHz | QPSK | 23230 | 25RB#0 | 20.90 | 21.75 | PASS |
| Band13 | 10MHz | QPSK | 23230 | 50RB#0 | 20.72 | 21.57 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 1RB#24 | 20.76 | 21.61 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 1RB#0 | 20.79 | 21.64 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 1RB#49 | 20.71 | 21.56 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 25RB#0 | 19.61 | 20.46 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 25RB#12 | 19.65 | 20.5 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 25RB#25 | 19.58 | 20.43 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 50RB#0 | 19.73 | 20.58 | PASS |

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

| GSM850 (GPRS) | | | | | | | | | |
|---------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Highest | 1697.6 | -59.58 | -13 | -46.58 | -66.81 | -65.00 | 0.56 | 8.13 | H |
| | 2546.4 | -56.27 | -13 | -43.27 | -63.62 | -63.85 | 0.74 | 10.47 | H |
| | 3395.2 | -50.15 | -13 | -37.15 | -58.74 | -58.84 | 0.85 | 11.69 | H |
| | 1697.6 | -55.74 | -13 | -42.74 | -61.19 | -61.16 | 0.56 | 8.13 | V |
| | 2546.4 | -52.39 | -13 | -39.39 | -64.38 | -59.97 | 0.74 | 10.47 | V |
| | 3395.2 | -46.47 | -13 | -33.47 | -59.14 | -55.16 | 0.85 | 11.69 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

All the lowest, middle, highest channels for GPRS and EGPRS were detected, only reported the worst case mode as above.

| GSM1900 (EDGE Class12) | | | | | | | | | |
|------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Highest | 3819.6 | -53.45 | -13 | -40.45 | -67.00 | -59.49 | 6.56 | 12.60 | H |
| | 5729.4 | -56.03 | -13 | -43.03 | -64.97 | -61.13 | 8 | 13.10 | H |
| | 7639.2 | -51.22 | -13 | -38.22 | -59.96 | -52.95 | 9.57 | 11.30 | H |
| | 3819.6 | -57.89 | -13 | -44.89 | -62.24 | -63.93 | 6.56 | 12.6 | V |
| | 5729.4 | -55.09 | -13 | -42.09 | -65.14 | -60.19 | 8 | 13.1 | V |
| | 7639.2 | -52.47 | -13 | -39.47 | -60.87 | -54.20 | 9.57 | 11.3 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

All the lowest, middle, highest channels for GPRS and EGPRS were detected, only reported the worst case mode as above.

| WCDMA Band V(RMC 12.2Kbps) | | | | | | | | | |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Highest | 1693.2 | -56.98 | -13 | -43.98 | -62.19 | -63.60 | 7.18 | 13.80 | H |
| | 2539.8 | -57.24 | -13 | -44.24 | -65.41 | -62.08 | 9.91 | 14.75 | H |
| | 3386.4 | -59.41 | -13 | -46.41 | -60.94 | -61.28 | 10.77 | 12.64 | H |
| | 1693.2 | -57.26 | -13 | -44.26 | -64.97 | -63.88 | 7.18 | 13.8 | V |
| | 2539.8 | -55.94 | -13 | -42.94 | -63.74 | -60.78 | 9.91 | 14.75 | V |
| | 3386.4 | -58.61 | -13 | -45.61 | -65.92 | -60.48 | 10.77 | 12.64 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

All the lowest, middle, highest channels for WCDMA HSUPA and HSDPA were detected, only reported the worst case mode as above.

| WCDMA Band IV(RMC 12.2Kbps) | | | | | | | | | |
|-----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3465.2 | -55.68 | -13 | -42.68 | -61.25 | -59.94 | 7.85 | 12.11 | H |
| | 5197.8 | -53.13 | -13 | -40.13 | -60.01 | -58.59 | 8.18 | 13.64 | H |
| | 6930.4 | -48.02 | -13 | -35.02 | -56.32 | -49.76 | 10.15 | 11.89 | H |
| | 3465.2 | -51.34 | -13 | -38.34 | -57.71 | -55.60 | 7.85 | 12.11 | V |
| | 5197.8 | -51.21 | -13 | -38.21 | -59.64 | -56.67 | 8.18 | 13.64 | V |
| | 6930.4 | -48.52 | -13 | -35.52 | -57.12 | -50.26 | 10.15 | 11.89 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

All the lowest, middle, highest channels for WCDMA HSUPA and HSDPA were detected, only reported the worst case mode as above.

| WCDMA Band II(RMC 12.2Kbps) | | | | | | | | | |
|-----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Highest | 3815.2 | -53.19 | -13 | -40.19 | -60.39 | -59.15 | 6.62 | 12.58 | H |
| | 5722.8 | -52.25 | -13 | -39.25 | -60.37 | -58.04 | 7.19 | 12.98 | H |
| | 7630.4 | -47.81 | -13 | -34.81 | -55.49 | -50.58 | 8.51 | 11.28 | H |
| | 3815.2 | -53.89 | -13 | -40.89 | -59.11 | -59.85 | 6.62 | 12.58 | V |
| | 5722.8 | -52.85 | -13 | -39.85 | -60.53 | -58.64 | 7.19 | 12.98 | V |
| | 7630.4 | -47.89 | -13 | -34.89 | -52.24 | -50.66 | 8.51 | 11.28 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

All the lowest, middle, highest channels for each bandwidth were detected, only reported the worst case mode as above.

| LTE Band 2 20MHz Bandwidth | | | | | | | | | |
|-------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 3700 | -56.11 | -13 | -43.11 | -62.21 | -63.86 | 4.85 | 12.60 | H |
| | 5550 | -53.35 | -13 | -40.35 | -58.15 | -60.87 | 5.58 | 13.10 | H |
| | 7400 | -49.93 | -13 | -36.93 | -56.93 | -54.67 | 6.56 | 11.30 | H |
| | 3700 | -56.03 | -13 | -43.03 | -64.68 | -63.78 | 4.85 | 12.6 | V |
| | 5550 | -53.76 | -13 | -40.76 | -62.09 | -61.28 | 5.58 | 13.1 | V |
| | 7400 | -47.91 | -13 | -34.91 | -55.63 | -52.65 | 6.56 | 11.3 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

All the lowest, middle, highest channels for each bandwidth were detected, only reported the worst case mode as above.

| LTE Band 4 20MHz Bandwidth | | | | | | | | | |
|-------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3445 | -55.82 | -13 | -42.82 | -62.44 | -64.05 | 4.37 | 12.60 | H |
| | 5167.5 | -52.89 | -13 | -39.89 | -61.40 | -60.65 | 4.94 | 12.70 | H |
| | 6890 | -49.25 | -13 | -36.25 | -60.29 | -54.63 | 6.32 | 11.70 | H |
| | 3445 | -53.92 | -13 | -40.92 | -60.34 | -62.15 | 4.37 | 12.6 | V |
| | 5167.5 | -52.68 | -13 | -39.68 | -60.45 | -60.44 | 4.94 | 12.7 | V |
| | 6890 | -48.50 | -13 | -35.50 | -56.88 | -53.88 | 6.32 | 11.7 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

All the lowest, middle, highest channels for each bandwidth were detected, only reported the worst case mode as above.

| LTE Band 5 5MHz Bandwidth | | | | | | | | | |
|------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 1648 | -53.89 | -13 | -40.89 | -59.61 | -58.30 | 2.84 | 9.40 | H |
| | 2472 | -52.20 | -13 | -39.20 | -60.54 | -56.95 | 3.7 | 10.60 | H |
| | 3296 | -57.72 | -13 | -44.72 | -64.69 | -63.80 | 4.37 | 12.60 | H |
| | 1648 | -52.01 | -13 | -39.01 | -58.01 | -56.42 | 2.84 | 9.40 | V |
| | 2472 | -53.81 | -13 | -40.81 | -61.70 | -58.56 | 3.70 | 10.60 | V |
| | 3296 | -56.00 | -13 | -43.00 | -63.22 | -62.08 | 4.37 | 12.60 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

All the lowest, middle, highest channels for each bandwidth were detected, only reported the worst case mode as above.

| LTE Band 12 1.4MHz Bandwidth | | | | | | | | | |
|---------------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 1338 | -51.21 | -13 | -38.21 | -59.37 | -60.56 | 3.25 | 12.60 | H |
| | 2007 | -53.87 | -13 | -40.87 | -61.13 | -62.39 | 4.58 | 13.10 | H |
| | 2676 | -47.41 | -13 | -34.41 | -54.99 | -53.20 | 5.51 | 11.30 | H |
| | 1338 | -50.80 | -13 | -37.80 | -55.69 | -60.15 | 3.25 | 12.6 | V |
| | 2007 | -48.12 | -13 | -35.12 | -56.87 | -56.94 | 4.28 | 13.1 | V |
| | 2676 | -47.19 | -13 | -34.19 | -54.19 | -52.98 | 5.51 | 11.3 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

All the lowest, middle, highest channels for each bandwidth were detected, only reported the worst case mode as above.

| LTE Band 13 (5MHz Bandwidth) | | | | | | | | | |
|------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Highest | 1564 | -58.69 | -13 | -45.69 | -64.23 | -62.12 | 2.42 | 8.00 | H |
| | 2346 | -57.06 | -13 | -44.06 | -65.33 | -61.94 | 3.37 | 10.40 | H |
| | 3128 | -56.09 | -13 | -43.09 | -63.11 | -61.72 | 3.72 | 11.50 | H |
| | 1564 | -57.77 | -13 | -44.77 | -63.73 | -61.20 | 2.42 | 8.00 | V |
| | 2346 | -57.43 | -13 | -44.43 | -65.46 | -62.31 | 3.37 | 10.40 | V |
| | 3128 | -56.29 | -13 | -43.29 | -63.39 | -61.92 | 3.72 | 11.50 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

All the lowest, middle, highest channels for each bandwidth were detected, only reported the worst case mode as above.