FCC RADIO TEST REPORT
FCC ID:2BLHD-AF930

Product: Wireless POS

Trade Mark: N/A

Model No.: AF930

Family Model: N/A

Report No.: S24062804302007

Issue Date: Nov. 01, 2024

Prepared for

Beijing Shenzhou Anfu Technology Co., Ltd

1102, Block A, Longyu center, Huilongguan,
Changping District, Beijing

Prepared by

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1 TEST RESULT CERTIFICATION

Applicant's name .....:	Beijing Shenzhou Anfu Technology Co., Ltd
Address .....:	1102, Block A, Longyu center, Huilongguan, Changping District, Beijing
Manufacturer's Name .....:	Beijing Shenzhou Anfu Technology Co., Ltd
Address .....:	1102, Block A, Longyu center, Huilongguan, Changping District, Beijing
Product description	
Product name .....:	Wireless POS
Model and/or type reference .....:	AF930
Family Model .....:	N/A
Sample number	S240628043002
Date of Test	Oct. 18, 2024 ~ Nov. 01, 2024

Measurement Procedure Used:

APPLICABLE STANDARDS	
APPLICABLE STANDARD/ TEST PROCEDURE	TEST RESULT
47 CFR Part 2, Part 22H, Part 24E, Part 27 FCC KDB 971168 D01 Power Meas License Digital Systems v03r01 ANSI C63.26:2015	Complied

This device described above has been tested by Shenzhen NTEK Testing Technology Co., Ltd., and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.
This report shall not be reproduced except in full, without the written approval of Shenzhen NTEK Testing Technology Co., Ltd., this document may be altered or revised by Shenzhen NTEK Testing Technology Co., Ltd., personnel only, and shall be noted in the revision of the document.
The test results of this report relate only to the tested sample identified in this report.

Prepared By : Mary Hu (Project Engineer)

Reviewed By : Aaron Cheng (Supervisor)

Approved By : Alex Li (Manager)

2 SUMMARY OF TEST RESULTS

FCC Part22H / FCC Part24E / FCC Part27 & ANSI C63.26-2015			
FCC Rule	**Test Item**	**Verdict**	**Remark**
2.1046	Conducted Output Power	PASS**	
24.232	Peak-to-Average Ratio	PASS**	
2.1049	Occupied Bandwidth	PASS**	
2.1051 22.917 24.238 27.53	Band Edge	PASS**	
22.913 24.232 27.50	Effective Radiated Power & Equivalent Isotropic Radiated Power	PASS	
2.1053 22.917 24.238 27.53	Field Strength of Spurious Radiation	PASS	
2.1055 22.355 24.235 27.54	Frequency Stability for Temperature & Voltage	PASS**	
2.1051 22.917 24.238 27.53	Conducted Emission	PASS**	

Remark:
1. "N/A" denotes test is not applicable in this Test Report.
2. All test items were verified and recorded according to the standards and without any deviation during the test.
3. No modifications are made to the EUT during all test items.
4. ** The conducted Test data please refer to the report: S23033100205006 under the WWAN module Z400-H FCC ID: 2A9FT-Z400-H.

3 FACILITIES AND ACCREDITATIONS

3.1 FACILITIES

All measurement facilities used to collect the measurement data are located at
1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R. China.
The sites are constructed in conformance with the requirements of ANSI C63.4, ANSI C63.10 and CISPR Publication 22.

3.2 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description		
CNAS-Lab.	:	The Certificate Registration Number is L5516.
IC-Registration		The Certificate Registration Number is 9270A.
FCC- Accredited		Test Firm Registration Number: 463705. Designation Number: CN1184
A2LA-Lab.		The Certificate Registration Number is 4298.01 This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).
Name of Firm	:	Shenzhen NTEK Testing Technology Co., Ltd.
Site Location	:	1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R. China.

3.3 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	Conducted Emission Test	±3.1dB
2	RF power, conducted	±0.9dB
3	Spurious emissions, conducted	±2.2dB
4	All emissions, radiated(<1G)	±5.2dB
5	All emissions, radiated(>1G)	±5.1dB
6	Temperature	±0.5°C
7	Humidity	±2%
8	Occupied bandwidth	±3.7%

4 GENERAL DESCRIPTION OF EUT

Product Feature and Specification	
Equipment	Wireless POS
Trade Mark	N/A
FCC ID	2BLHD-AF930
Model No.	AF930
Family Model	N/A
Model Difference	N/A
Frequency Bands:	U.S. Bands:
Operating Frequency	LTE FDD Band 2 Uplink: 1850MHz-1910MHz, Downlink: 1930MHz-1990MHz; LTE FDD Band 4 Uplink: 1710MHz-1755MHz, Downlink: 2110MHz-2155MHz; LTE FDD Band 5 Uplink: 824MHz-849MHz, Downlink: 869MHz-894MHz; LTE-FDD Band 7 Uplink: 2500MHz-2570MHz, Downlink: 2620MHz-2690MHz; LTE TDD Band 41 Uplink & Downlink: 2535MHz-2655MHz,
Modulation	QPSK/16QAM/64QAM/256QAM
Power Class	Class 3
Antenna:	FPC Antenna
Antenna gain:	LTE B2: 0.87 dBi; B4: 2.24 dBi, B5: -1.84 dBi, B7: 2.22 dBi, B41: 3.32 dBi,
Adapter	N/A
Battery	DC 3.7V,5600mAh, 20.72Wh
Power supply	DC 3.7V from battery or DC 5V from type-C port
HW Version	AF930_MAIN_V2.0_1001
SW Version	SZANFU_AF930_V1.14_00_20240102_userdebug

Note: Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.

Revision History

Report No.	Version	Description	Issued Date
S24062804302007	Rev.01	Initial issue of report	Nov. 01, 2024

5 DESCRIPTION OF TEST MODES

During the testing, the EUT was controlled via Rhode & Schwarz Digital Radio Communication Tester (CMW 500) to ensure max power transmission and proper modulation. Three channels (The low channel, the middle channel and the high channel) were chosen for testing on, LTE Band 2/4/5/7/41.
Note: LTE Band 2/4/5/7/41. modes have been tested during the test. the worst condition (QPSK, 16QAM) be recorded in the test report if no other modes test data.

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 as following frequency range:
1. 30 MHz to 10th harmonic for LTE Band 2/4/5/7/41
All modes and data rates and positions were investigated.

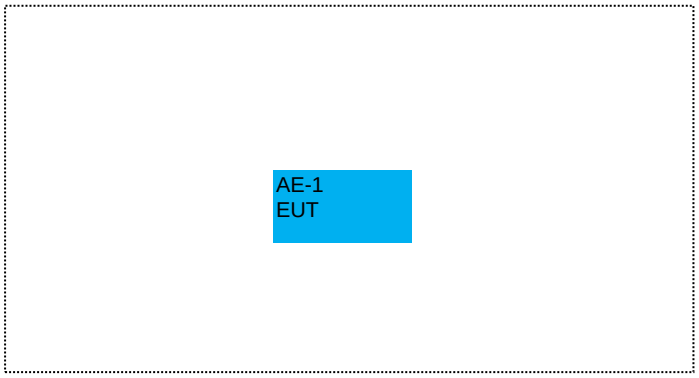
Test modes are chosen to be reported as the worst case configuration below:

Test Modes		
Band	For Conducted Test Cases	For Radiated Test Cases
LTE Band 2/4/5/7/41	QPSK Link	QPSK Link 16QAM Link

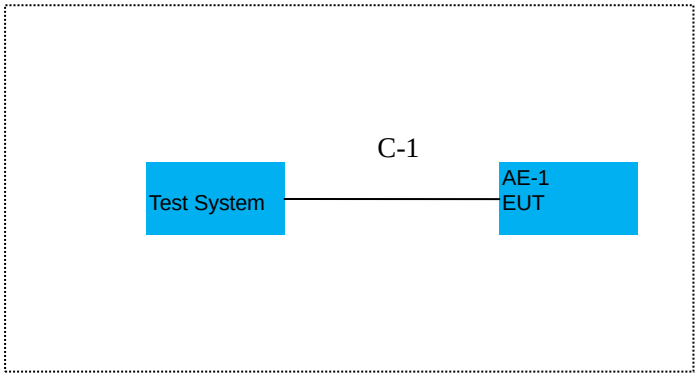
6 SETUP OF EQUIPMENT UNDER TEST

6.1 BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM

For Radiated Test Cases



For Conducted Test Cases



6.2 SUPPORT EQUIPMENT

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
AE-1	Wireless POS	N/A	AF930	N/A	EUT

Item	Cable Type	Shielded Type	Ferrite Core	Length
C-1	RF Cable***	YES	NO	54cm

Notes:

(1) The support equipment was authorized by Declaration of Confirmation.
(2) For detachable type I/O cable should be specified the length in cm in『Length』column.
(3) “YES” is means “shielded” “with core”; “NO” is means “unshielded” “without core”.
(4) “***” RF Cable is between the module and the antenna, that’s part of the EUT. Provided by the applicant.

6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Spectrum Analyzer	Agilent	N9020A	MY53280244	2024.04.26	2025.04.25	1 year
2	Spectrum Analyzer	R&S	FSV40	101417	2024.04.26	2025.04.25	1 year
3	Test Receiver	R&S	ESPI7	101318	2024.03.12	2025.03.11	1 year
4	Active Loop Antenna	SCHWARZBECK	FMZB 1519 B	055	2024.05.17	2027.05.16	3 year
5	Log-Periodic Antenna	SCHWARZBECK	VULB 9162	586	2024.05.12	2025.05.11	1 year
6	Broadband Horn Antenna	SCHWARZBECK	BBHA 9120 D	2816	2024.05.18	2027.05.17	3 year
7	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	803	2024.05.12	2027.05.11	3 year
8	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2024.04.26	2027.04.25	3 year
9	Pre-Amplifier	EMC	EMC051835 SE	980246	2024.01.23	2025.01.22	1 year
10	Low Noise Amplifier	B&Z	BZ-P540-550 850-452727	16476-11729	2024.02.03	2025.02.02	1 year
11	Pre-Amplifier	Sonoma	310N	186604	2024.04.25	2025.04.24	1 year
12	Signal Generaror	Keysight	N5183B	MY57280984	2024.05.30	2025.05.29	1 year
13	Wireless Communications Test Set	R&S	CMW500	103917	2024.04.26	2025.04.25	1 year
14	RF Control Unit	MWRFtest	MW200-RFCB	MW201103NTEK	N/A	N/A	N/A

Note: Each piece of equipment is scheduled for calibration once a year except the Test Cable& DC Power Source which is scheduled for calibration every 3 years.

Measurement Software

Item	Manufacturer	Software Name	Software Version	Description
1	MWRFtest	MTS 8200	2.0	RF Conducted Test
2	raditeq	RadiMation	2023.1.3	Radiated Test

7 TEST REQUIREMENTS

7.1 FIELD STRENGTH OF SPURIOUS RADIATION

7.1.1 Applicable Standard

According to FCC KDB 971168 D01 v03r01 Section 7 and ANSI C63.26: 2015 Section 5.5

7.1.2 Conformance Limit

LIMIT

§22.917 (e) and §24.238: Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

§27.53 (g) For operations in the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB.

§27.53 (h) For operations in the 1710–1755 MHz and 2110–2155 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 + 10 log10(P) dB.

TEST PROCEDURE

For Cellular equipment - Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

For PCS equipment - Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 MHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

The unwanted emission power shall be measured with a resolution bandwidth of at least 1% of the occupied bandwidth in the 1 MHz band immediately outside and adjacent to the channel edge of the equipment. Beyond the 1 MHz band immediately outside the channel edge of the equipment, a resolution bandwidth of 1 MHz shall be employed. A narrower resolution bandwidth is allowed to be used provided that the measured power is integrated over the full required measurement bandwidth of 1 MHz or 1% of the occupied bandwidth as applicable.

The power of any unwanted emissions measured from the channel edge of the equipment shall be attenuated below the transmitter power, P (dBW), as follows:
a. for base station and subscriber equipment, other than mobile subscriber equipment, the attenuation shall not be less than 43 + 10 Log10 (p), dB; and
b. for mobile subscriber equipment, the attenuation shall not be less than 43 + 10 Log10 (p), dB at the channel edges and 55 + 10 Log10 (p) at 5.5 MHz away and beyond the channel edges where p in (a) and (b) is the transmitter power measured in watts.

7.1.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

MODES TESTED

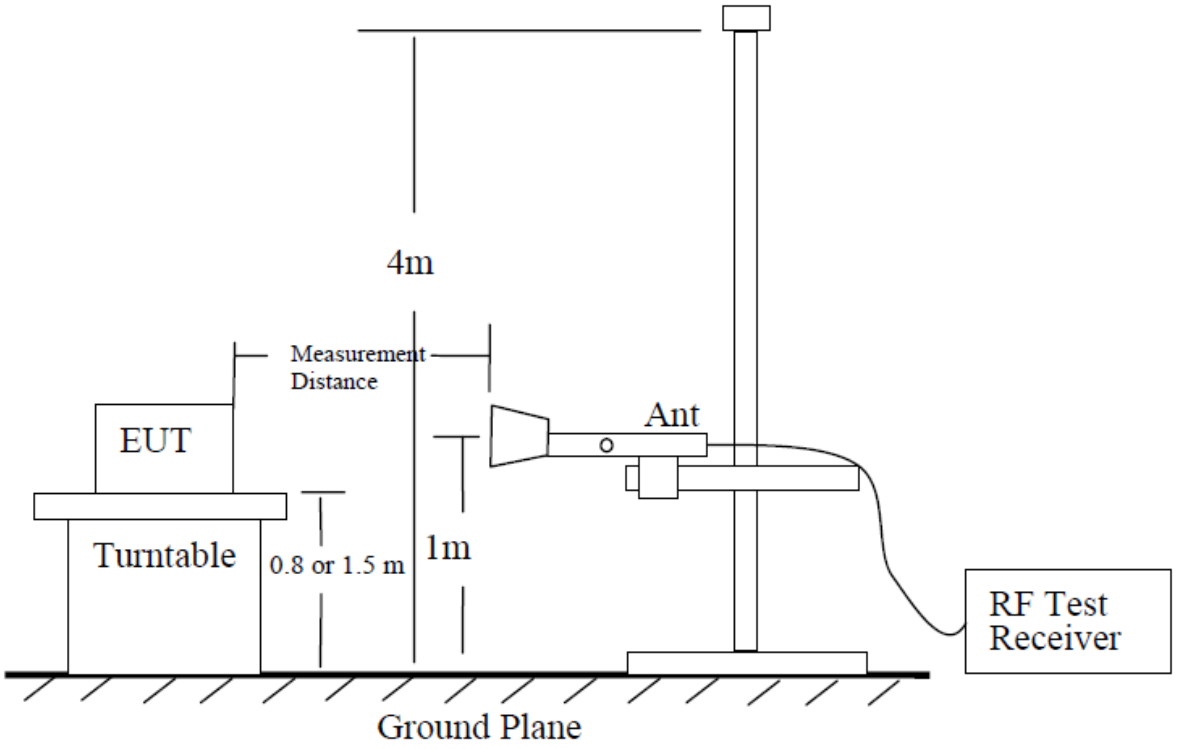
LTE Band 2/4/5/7/41

Note: Other emissions which has not list below has attenuated 20dB below the limit.

7.1.4 Test Configuration

According to the ANSI C63.26: 2015 test method, The Receiver or Spectrum was scanned from 9 KHz to the 10th harmonic of the highest frequency generated within the equipment, which is the transmitted carrier that can be as high as 1910 MHz. The resolution bandwidth is set as outlined in Part 24.238, Part 22.917, Part 27.53. The spectrum is scanned with the mobile station transmitting at carrier frequencies that pertain to low, mid and high channels of LTE Band.

TEST CONFIGURATION



7.1.5 Test Procedure

ANSI/TIA-603-E Clause 2.2.17
KDB 971168 v03r01 RF power output using broadband peak and average power meter method.
KDB 971168 D01 Power Meas License Digital Systems v03r01, “Measurement Guidance for Certification of Licensed Digital Transmitters”

The EUT is configured by emulator to set data modulation and maximum power using WWAN technology.

For 30MHz to 1GHz

1. In the semi-anechoic chamber, EUT placed on the 0.8 m (below or equal 1 GHz) height of turn table. rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.
2. The height of antenna is varied from one meter to four meters above the around to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP/ERP level.
4. Following C63.26 section 5.5 and 5.2.7

Note: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz. The emission levels were against the limit of frequency range 9 kHz ~ 30 MHz: The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

Above 1GHz

1. In the semi-anechoic chamber, EUT placed on the 1.5 m height of turn table, rotated the table around 360degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
2. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP/ERP level.
4. Following C63.26 section 5.5 and 5.2.7.

Note: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz.

MODES TESTED

LTE Band 2/4/5/7/41

7.1.6 Test Results

EUT:	Wireless POS	Model No.:	AF930
Temperature:	20 ℃	Relative Humidity:	48%

LTE BAND 2

QPSK EIRP POWER FOR LTE BAND 2 (1.4MHZ BANDWIDTH)

Test Results for Low Channel 1850.7MHz							
Frequency(MHz)	SG Level(dBm)	Cable Loss(dB)	Antenna Gain(dB)	Absolute Level(dBm)	Limit （dBm）	Margin(dBm)	Polarity
3701.4	-53.29	4.04	33.51	-23.82	-13	-10.82	Horizontal
3701.4	-45.93	4.04	33.51	-16.46	-13	-3.46	Vertical
5552.1	-45.10	5.24	35.84	-14.50	-13	-1.50	Vertical
5552.1	-51.07	5.24	35.84	-20.47	-13	-7.47	Horizontal
211.42	-37.47	1.43	16.02	-22.88	-13	-9.88	Vertical
286.41	-40.33	1.30	17.99	-23.64	-13	-10.64	Horizontal
Test Results for Mid Channel 1880MHz							
3760.0	-52.94	4.04	33.56	-23.42	-13	-10.42	Horizontal
3760.0	-54.14	4.04	33.56	-24.62	-13	-11.62	Vertical
5640.0	-53.12	5.24	35.91	-22.45	-13	-9.45	Vertical
5640.0	-49.75	5.24	35.91	-19.08	-13	-6.08	Horizontal
195.03	-41.07	1.62	16.97	-25.72	-13	-12.72	Vertical
404.71	-43.92	1.74	15.98	-29.69	-13	-16.69	Horizontal
Test Results for High Channel 1909.3MHz							
3818.6	-47.87	4.04	34.00	-17.91	-13	-4.91	Horizontal
3818.6	-53.10	4.04	34.00	-23.14	-13	-10.14	Vertical
5727.9	-50.96	5.24	36.04	-20.16	-13	-7.16	Vertical
5727.9	-53.36	5.24	36.04	-22.56	-13	-9.56	Horizontal
180.12	-39.26	1.42	17.29	-23.39	-13	-10.39	Vertical
256.01	-42.12	1.50	17.90	-25.71	-13	-12.71	Horizontal

QPSK EIRP POWER FOR LTE BAND 2 (20.0MHZ BANDWIDTH)

Test Results for Low Channel 1860MHz							
Frequency(MHz)	SG Level(dBm)	Cable Loss(dB)	Antenna Gain(dB)	Absolute Level(dBm)	Limit （dBm）	Margin(dBm)	Polarity
3720.0	-52.46	4.07	33.54	-22.99	-13	-9.99	Horizontal
3720.0	-52.77	4.07	33.54	-23.30	-13	-10.30	Vertical
5580.0	-52.60	5.28	35.86	-22.02	-13	-9.02	Vertical
5580.0	-50.29	5.28	35.86	-19.71	-13	-6.71	Horizontal
178.72	-39.98	1.58	16.89	-24.66	-13	-11.66	Vertical
298.51	-44.90	1.76	17.26	-29.40	-13	-16.40	Horizontal
Test Results for Mid Channel 1880MHz							
3760.0	-54.81	4.04	33.56	-25.29	-13	-12.29	Horizontal
3760.0	-52.37	4.04	33.56	-22.85	-13	-9.85	Vertical
5640.0	-49.08	5.24	35.91	-18.41	-13	-5.41	Vertical
5640.0	-53.71	5.24	35.91	-23.04	-13	-10.04	Horizontal
195.82	-41.77	1.46	16.27	-26.96	-13	-13.96	Vertical
431.81	-42.02	1.59	15.15	-28.46	-13	-15.46	Horizontal
Test Results for High Channel 1900MHz							
3800.0	-47.76	4.04	34.00	-17.80	-13	-4.80	Horizontal
3800.0	-45.67	4.04	34.00	-15.71	-13	-2.71	Vertical
5700.0	-54.23	5.24	36.04	-23.43	-13	-10.43	Vertical
5700.0	-50.76	5.24	36.04	-19.96	-13	-6.96	Horizontal
183.62	-40.41	1.36	17.39	-24.37	-13	-11.37	Vertical
243.21	-35.81	1.66	15.39	-22.08	-13	-9.08	Horizontal

Remark:
1. Above 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2;
Below 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2 – 2.15.
2. Difference (Over Limit) = Emission Level(dBm) - Limit(dBm)

LTE BAND 4

QPSK EIRP POWER FOR LTE BAND 4 (1.4MHZ BANDWIDTH)

Test Results for Low Channel 1710.7MHz							
Frequency(MHz)	SG Level(dBm)	Cable Loss(dB)	Antenna Gain(dB)	Absolute Level(dBm)	Limit （dBm）	Margin(dBm)	Polarity
3421.4	-52.59	4.02	29.80	-26.81	-13	-13.81	Horizontal
3421.4	-51.84	4.02	29.80	-26.06	-13	-13.06	Vertical
5132.1	-47.34	5.24	35.84	-16.74	-13	-3.74	Vertical
5132.1	-52.86	5.24	35.84	-22.26	-13	-9.26	Horizontal
176.01	-41.11	1.68	16.04	-26.75	-13	-13.75	Vertical
440.62	-37.54	1.78	17.74	-21.58	-13	-8.58	Horizontal
Test Results for Mid Channel 1732.5MHz							
3465.0	-45.19	4.03	30.00	-19.22	-13	-6.22	Horizontal
3465.0	-49.17	4.03	30.00	-23.20	-13	-10.20	Vertical
5197.5	-48.74	5.25	35.86	-18.13	-13	-5.13	Vertical
5197.5	-50.62	5.25	35.86	-20.01	-13	-7.01	Horizontal
190.02	-40.80	1.72	17.69	-24.83	-13	-11.83	Vertical
393.93	-37.36	1.62	16.02	-22.95	-13	-9.95	Horizontal
Test Results for High Channel 1754.3MHz							
3508.6	-45.87	4.05	30.01	-19.91	-13	-6.91	Horizontal
3508.6	-52.98	4.05	30.01	-27.02	-13	-14.02	Vertical
5262.9	-53.07	5.26	35.86	-22.47	-13	-9.47	Vertical
5262.9	-50.43	5.26	35.86	-19.83	-13	-6.83	Horizontal
182.31	-40.68	1.80	16.69	-25.79	-13	-12.79	Vertical
466.01	-36.07	1.75	16.66	-21.17	-13	-8.17	Horizontal

QPSK EIRP POWER FOR LTE BAND 4 (20.0MHZ BANDWIDTH)

Test Results for Low Channel 1720MHz							
Frequency(MHz)	SG Level(dBm)	Cable Loss(dB)	Antenna Gain(dB)	Absolute Level(dBm)	Limit （dBm）	Margin(dBm)	Polarity
3440.0	-50.49	4.02	29.80	-24.71	-13	-11.71	Horizontal
3440.0	-45.89	4.02	29.80	-20.11	-13	-7.11	Vertical
5160.0	-45.53	5.24	35.84	-14.93	-13	-1.93	Vertical
5160.0	-53.95	5.24	35.84	-23.35	-13	-10.35	Horizontal
203.7	-39.25	1.57	17.26	-23.56	-13	-10.56	Vertical
338.7	-42.55	1.78	16.35	-27.98	-13	-14.98	Horizontal
Test Results for Mid Channel 1732.5MHz							
3465.0	-50.73	4.03	30.00	-24.76	-13	-11.76	Horizontal
3465.0	-47.15	4.03	30.00	-21.18	-13	-8.18	Vertical
5197.5	-44.75	5.25	35.86	-14.14	-13	-1.14	Vertical
5197.5	-49.31	5.25	35.86	-18.70	-13	-5.70	Horizontal
185.2	-37.85	1.44	17.95	-21.34	-13	-8.34	Vertical
351.1	-42.01	1.65	16.09	-27.57	-13	-14.57	Horizontal
Test Results for High Channel 1745MHz							
3490.0	-48.52	4.05	27.68	-24.89	-13	-11.89	Horizontal
3490.0	-46.01	4.05	27.68	-22.38	-13	-9.38	Vertical
5235.0	-51.16	5.26	35.86	-20.56	-13	-7.56	Vertical
5235.0	-53.07	5.26	35.86	-22.47	-13	-9.47	Horizontal
192.6	-35.54	1.61	16.85	-20.30	-13	-7.30	Vertical
396.8	-36.49	1.61	15.19	-22.91	-13	-9.91	Horizontal

Remark:
1. Above 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2;
Below 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2 – 2.15.
2. Difference (Over Limit) = Emission Level(dBm) - Limit(dBm)

LTE BAND 5

QPSK EIRP POWER FOR LTE BAND 5 (1.4MHZ BANDWIDTH)

Test Results for Low Channel 824.7MHz							
Frequency(MHz)	SG Level(dBm)	Cable Loss(dB)	Antenna Gain(dB)	Absolute Level(dBm)	Limit （dBm）	Margin(dBm)	Polarity
1649.4	-52.04	2.78	27.50	-27.32	-13	-14.32	Horizontal
1649.4	-53.38	2.78	27.50	-28.66	-13	-15.66	Vertical
2474.1	-47.82	2.90	27.80	-22.92	-13	-9.92	Vertical
2474.1	-50.53	2.90	27.80	-25.63	-13	-12.63	Horizontal
206.6	-36.89	1.76	17.59	-21.06	-13	-8.06	Vertical
357.8	-34.56	1.63	15.87	-20.32	-13	-7.32	Horizontal
Test Results For Mid Channel 836.5MHz							
1673.0	-52.71	2.80	27.48	-28.03	-13	-15.03	Horizontal
1673.0	-47.39	2.80	27.48	-22.71	-13	-9.71	Vertical
2509.5	-46.03	2.91	27.70	-21.24	-13	-8.24	Vertical
2509.5	-51.75	2.91	27.70	-26.96	-13	-13.96	Horizontal
188.5	-39.57	1.61	15.68	-25.50	-13	-12.50	Vertical
454.4	-42.65	1.59	17.52	-26.73	-13	-13.73	Horizontal
Test Results for High Channel 848.3MHz							
1696.6	-46.80	2.82	27.43	-22.19	-13	-9.19	Horizontal
1696.6	-46.33	2.82	27.43	-21.72	-13	-8.72	Vertical
2544.9	-53.20	2.92	27.74	-28.38	-13	-15.38	Vertical
2544.9	-51.47	2.92	27.74	-26.65	-13	-13.65	Horizontal
186.8	-37.19	1.69	16.67	-22.20	-13	-9.20	Vertical
371.0	-39.69	1.70	17.18	-24.21	-13	-11.21	Horizontal

QPSK EIRP POWER FOR LTE BAND 5 (10MHZ BANDWIDTH)

Test Results for Low Channel 829MHz							
Frequency(MHz)	SG Level(dBm)	Cable Loss(dB)	Antenna Gain(dB)	Absolute Level(dBm)	Limit （dBm）	Margin(dBm)	Polarity
1658.0	-45.00	2.78	27.50	-20.28	-13	-7.28	Horizontal
1658.0	-46.56	2.78	27.50	-21.84	-13	-8.84	Vertical
2487.0	-51.21	2.90	27.80	-26.31	-13	-13.31	Vertical
2487.0	-54.79	2.90	27.80	-29.89	-13	-16.89	Horizontal
177.0	-43.44	1.71	15.57	-29.58	-13	-16.58	Vertical
384.2	-41.36	1.34	16.40	-26.30	-13	-13.30	Horizontal
Test Results for Mid Channel 836.5MHz							
1673.0	-44.91	2.80	27.48	-20.23	-13	-7.23	Horizontal
1673.0	-53.94	2.80	27.48	-29.26	-13	-16.26	Vertical
2509.5	-52.10	2.91	27.70	-27.31	-13	-14.31	Vertical
2509.5	-51.10	2.91	27.70	-26.31	-13	-13.31	Horizontal
181.2	-36.55	1.44	17.04	-20.95	-13	-7.95	Vertical
404.6	-37.63	1.76	17.62	-21.77	-13	-8.77	Horizontal
Test Results for High Channel 844MHz							
1688.0	-44.90	2.82	27.43	-20.29	-13	-7.29	Horizontal
1688.0	-45.70	2.82	27.43	-21.09	-13	-8.09	Vertical
2532.0	-54.78	2.92	27.74	-29.96	-13	-16.96	Vertical
2532.0	-54.68	2.92	27.74	-29.86	-13	-16.86	Horizontal
188.0	-42.41	1.74	17.70	-26.45	-13	-13.45	Vertical
358.0	-41.55	1.41	17.46	-25.49	-13	-12.49	Horizontal

Remark:
1. Above 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2;
Below 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2 – 2.15.
2. Difference (Over Limit) = Emission Level(dBm) - Limit(dBm)

LTE BAND 7

QPSK EIRP POWER FOR LTE BAND 7 (5.0MHZ BANDWIDTH)

Test Results for Low Channel 2502.5MHz							
Frequency(MHz)	SG Level(dBm)	Cable Loss(dB)	Antenna Factor(dB)	Absolute Level(dBm)	Limit （dBm）	Margin(dBm)	Polarity
5005.0	-64.17	5.23	35.81	-33.59	-25	-8.59	Horizontal
5005.0	-61.79	5.23	35.81	-31.21	-25	-6.21	Vertical
7507.5	-62.87	5.67	36.85	-31.69	-25	-6.69	Vertical
7507.5	-61.04	5.67	36.85	-29.86	-25	-4.86	Horizontal
176.5	-55.76	1.73	17.97	-39.52	-25	-14.52	Vertical
261.0	-46.92	1.38	15.11	-33.19	-25	-8.19	Horizontal
Test Results for Mid Channel 2535MHz							
5070.0	-60.21	5.23	35.82	-29.62	-25	-4.62	Horizontal
5070.0	-61.96	5.23	35.82	-31.37	-25	-6.37	Vertical
7605.0	-63.89	5.67	36.85	-32.71	-25	-7.71	Vertical
7605.0	-60.57	5.67	36.85	-29.39	-25	-4.39	Horizontal
192.8	-52.89	1.77	16.17	-38.48	-25	-13.48	Vertical
251.7	-54.00	1.63	15.21	-40.42	-25	-15.42	Horizontal
Test Results for High Channel 2567.5MHz							
5135.0	-62.78	5.24	35.83	-32.19	-25	-7.19	Horizontal
5135.0	-63.23	5.24	35.83	-32.64	-25	-7.64	Vertical
7702.5	-64.25	5.68	36.87	-33.06	-25	-8.06	Vertical
7702.5	-65.56	5.68	36.87	-34.37	-25	-9.37	Horizontal
183.1	-52.18	1.58	17.56	-36.20	-25	-11.20	Vertical
350.9	-53.55	1.45	16.58	-38.42	-25	-13.42	Horizontal

QPSK EIRP POWER FOR LTE BAND 7 (20.0MHZ BANDWIDTH)

Test Results for Low Channel 2510MHz							
Frequency(MHz)	SG Level(dBm)	Cable Loss(dB)	Antenna Factor(dB)	Absolute Level(dBm)	Limit （dBm）	Margin(dBm)	Polarity
5020.0	-63.17	5.23	35.82	-32.58	-25	-7.58	Horizontal
5020.0	-65.72	5.23	35.82	-35.13	-25	-10.13	Vertical
7530.0	-60.52	5.67	36.86	-29.33	-25	-4.33	Vertical
7530.0	-64.61	5.67	36.86	-33.42	-25	-8.42	Horizontal
210.1	-49.60	1.63	15.76	-35.47	-25	-10.47	Vertical
336.0	-49.66	1.71	15.44	-35.93	-25	-10.93	Horizontal
Test Results for Mid Channel 2535MHz							
5070.0	-65.41	5.23	35.82	-34.82	-25	-9.82	Horizontal
5070.0	-60.70	5.23	35.82	-30.11	-25	-5.11	Vertical
7605.0	-59.88	5.67	36.85	-28.70	-25	-3.70	Vertical
7605.0	-59.79	5.67	36.85	-28.61	-25	-3.61	Horizontal
178.6	-52.68	1.79	16.84	-37.62	-25	-12.62	Vertical
468.3	-50.51	1.71	17.64	-34.58	-25	-9.58	Horizontal
Test Results for High Channel 2560MHz							
5120.0	-64.89	5.24	35.83	-34.30	-25	-9.30	Horizontal
5120.0	-61.08	5.24	35.83	-30.49	-25	-5.49	Vertical
7680.0	-64.11	5.70	36.88	-32.93	-25	-7.93	Vertical
7680.0	-61.00	5.70	36.88	-29.82	-25	-4.82	Horizontal
199.2	-45.59	1.79	16.84	-30.53	-25	-5.53	Vertical
326.8	-48.85	1.71	17.64	-32.92	-25	-7.92	Horizontal

Remark:
1. Above 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2;
Below 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2 – 2.15.
2. Difference (Over Limit) = Emission Level(dBm) - Limit(dBm)

LTE BAND 41

QPSK EIRP POWER FOR LTE BAND 41 (5MHZ BANDWIDTH)

Frequency(MHz)	SG Level(dBm)	Cable Loss(dB)	Antenna Gain(dB)	Absolute Level(dBm)	Limit （dBm）	Margin(dBm)	Polarity
Test Results for Low Channel 2498.5MHz							
4997.0	-59.94	5.13	35.81	-29.26	-25	-4.26	Horizontal
4997.0	-60.06	5.13	35.81	-29.38	-25	-4.38	Vertical
7495.5	-61.91	5.42	36.85	-30.48	-25	-5.48	Vertical
7495.5	-63.27	5.42	36.85	-31.84	-25	-6.84	Horizontal
190.4	-45.98	1.56	17.97	-29.58	-25	-4.58	Vertical
272.8	-53.28	1.33	15.11	-39.50	-25	-14.50	Horizontal
Test Results for Mid Channel 2593MHz							
5186.0	-61.84	5.16	35.82	-31.18	-25	-6.18	Horizontal
5186.0	-60.90	5.16	35.82	-30.24	-25	-5.24	Vertical
7779.0	-60.77	5.53	36.85	-29.45	-25	-4.45	Vertical
7779.0	-60.13	5.53	36.85	-28.81	-25	-3.81	Horizontal
179.6	-50.50	1.77	16.17	-36.10	-25	-11.10	Vertical
423.2	-44.51	1.63	15.21	-30.93	-25	-5.93	Horizontal
Test Results for High Channel 2687.5MHz							
5375.0	-62.66	5.23	35.83	-32.06	-25	-7.06	Horizontal
5375.0	-62.61	5.23	35.83	-32.01	-25	-7.01	Vertical
8062.5	-60.24	5.62	36.87	-28.99	-25	-3.99	Vertical
8062.5	-63.75	5.62	36.87	-32.50	-25	-7.50	Horizontal
176.8	-49.93	1.58	17.56	-33.94	-25	-8.94	Vertical
361.4	-46.04	1.45	16.58	-30.91	-25	-5.91	Horizontal

QPSK EIRP POWER FOR LTE BAND 41 (20MHZ BANDWIDTH)

Test Results for Low Channel 2506MHz							
Frequency(MHz)	SG Level(dBm)	Cable Loss(dB)	Antenna Gain(dB)	Absolute Level(dBm)	Limit （dBm）	Margin(dBm)	Polarity
5012.0	-63.97	5.23	35.82	-33.38	-25	-8.38	Horizontal
5012.0	-63.33	5.23	35.82	-32.74	-25	-7.74	Vertical
7518.0	-63.96	5.67	36.86	-32.77	-25	-7.77	Vertical
7518.0	-62.14	5.67	36.86	-30.95	-25	-5.95	Horizontal
184.0	-47.49	1.55	15.76	-33.28	-25	-8.28	Vertical
430.4	-45.72	1.62	15.44	-31.90	-25	-6.90	Horizontal
Test Results for Mid Channel 2593MHz							
5186.0	-60.28	5.16	35.82	-29.62	-25	-4.62	Horizontal
5186.0	-62.05	5.16	35.82	-31.39	-25	-6.39	Vertical
7779.0	-60.82	5.53	36.85	-29.50	-25	-4.50	Vertical
7779.0	-63.13	5.53	36.85	-31.81	-25	-6.81	Horizontal
179.2	-49.62	1.58	16.84	-34.36	-25	-9.36	Vertical
247.5	-50.55	1.61	17.64	-34.52	-25	-9.52	Horizontal
Test Results for High Channel 2680MHz							
5360.0	-62.55	5.24	35.83	-31.96	-25	-6.96	Horizontal
5360.0	-65.62	5.24	35.83	-35.03	-25	-10.03	Vertical
8040.0	-63.43	5.70	36.88	-32.25	-25	-7.25	Vertical
8040.0	-63.67	5.70	36.88	-32.49	-25	-7.49	Horizontal
203.6	-50.61	1.48	16.84	-35.24	-25	-10.24	Vertical
327.6	-50.01	1.59	17.64	-33.96	-25	-8.96	Horizontal

Remark:
1. Above 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2;
Below 1G: Emission Level (dBm) = Read Level (dBuV) + Cable Loss (dB) + Antenna Factor (dB/m) - Pre-amplifier(dB) - 95.2 – 2.15.
2. Difference (Over Limit) = Emission Level(dBm) - Limit(dBm)

7.2 EFFECTIVE RADIATED POWER AND EFFECTIVE ISOTROPIC RADIATED POWER

7.2.1 Applicable Standard

According to FCC KDB 971168 D01 v03r01 Section 5.6 and ANSI C63.26: 2015 Section 5.2.5.5

7.2.2 Conformance Limit

22.913(a) - The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.
27.50 (c) (10) the following power and antenna height requirements apply to stations transmitting in the 698–746 MHz band, the portable stations (hand-held devices) are limited to 3 watts ERP.
27.50 (b)(10) Portable stations (hand-held devices) transmitting in the 746–757 MHz, 758–763 MHz, 776–793 MHz, and 805–806 MHz bands are limited to 3 watts ERP.
27.50 (d)(4) The following power and antenna height requirements apply to stations transmitting in the 1710–1755 MHz and 2110–2155 MHz bands: Fixed, mobile, and portable (hand-held) stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP.
27.50 (h)(2) Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

7.2.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.2.4 Test Configuration

For E.R.P and E.I.R.P Measurements. Please refer to the section 7.1.4 in this report.

7.2.5 Test Procedure

For E.R.P and E.I.R.P Measurements. Please refer to the section 7.1.5 in this report.

MODES TESTED

LTE Band 2/4/5/7/41

7.2.6 Test Results

EUT:	Wireless POS	Model No.:	AF930
Temperature:	20 ℃	Relative Humidity:	48%

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Antenna gain(dBi)	EIRP power (dBm)	EIRP power (mW)	Verdict
Band2	1.4	18607	1	#0	QPSK	23.5	0.87	24.37	273.527	PASS
Band2	1.4	18607	1	#Mid	QPSK	23.9	0.87	24.77	299.916	PASS
Band2	1.4	18607	1	#Max	QPSK	23.79	0.87	24.66	292.415	PASS
Band2	1.4	18607	3	#0	QPSK	23.87	0.87	24.74	297.852	PASS
Band2	1.4	18607	3	#Mid	QPSK	23.91	0.87	24.78	300.608	PASS
Band2	1.4	18607	3	#Max	QPSK	23.91	0.87	24.78	300.608	PASS
Band2	1.4	18607	6	#0	QPSK	23.4	0.87	24.27	267.301	PASS
Band2	1.4	18900	1	#0	QPSK	23.4	0.87	24.27	267.301	PASS
Band2	1.4	18900	1	#Mid	QPSK	24.14	0.87	25.01	316.957	PASS
Band2	1.4	18900	1	#Max	QPSK	23.99	0.87	24.86	306.196	PASS
Band2	1.4	18900	3	#0	QPSK	24.1	0.87	24.97	314.051	PASS
Band2	1.4	18900	3	#Mid	QPSK	24.3	0.87	25.17	328.852	PASS
Band2	1.4	18900	3	#Max	QPSK	24.09	0.87	24.96	313.329	PASS
Band2	1.4	18900	6	#0	QPSK	23.93	0.87	24.8	301.995	PASS
Band2	1.4	19193	1	#0	QPSK	24.27	0.87	25.14	326.588	PASS
Band2	1.4	19193	1	#Mid	QPSK	24.38	0.87	25.25	334.965	PASS
Band2	1.4	19193	1	#Max	QPSK	24.27	0.87	25.14	326.588	PASS
Band2	1.4	19193	3	#0	QPSK	24.35	0.87	25.22	332.660	PASS
Band2	1.4	19193	3	#Mid	QPSK	24.36	0.87	25.23	333.426	PASS
Band2	1.4	19193	3	#Max	QPSK	23.8	0.87	24.67	293.089	PASS
Band2	1.4	19193	6	#0	QPSK	23.38	0.87	24.25	266.073	PASS
Band2	3	18615	1	#0	QPSK	23.82	0.87	24.69	294.442	PASS
Band2	3	18615	1	#Mid	QPSK	23.85	0.87	24.72	296.483	PASS
Band2	3	18615	1	#Max	QPSK	23.81	0.87	24.68	293.765	PASS
Band2	3	18615	8	#0	QPSK	22.87	0.87	23.74	236.592	PASS
Band2	3	18615	8	#Mid	QPSK	22.93	0.87	23.8	239.883	PASS
Band2	3	18615	8	#Max	QPSK	22.85	0.87	23.72	235.505	PASS
Band2	3	18615	15	#0	QPSK	22.98	0.87	23.85	242.661	PASS
Band2	3	18900	1	#0	QPSK	24.07	0.87	24.94	311.889	PASS
Band2	3	18900	1	#Mid	QPSK	24.1	0.87	24.97	314.051	PASS
Band2	3	18900	1	#Max	QPSK	24.06	0.87	24.93	311.172	PASS
Band2	3	18900	8	#0	QPSK	23.1	0.87	23.97	249.459	PASS
Band2	3	18900	8	#Mid	QPSK	23.13	0.87	24	251.189	PASS
Band2	3	18900	8	#Max	QPSK	23.1	0.87	23.97	249.459	PASS
Band2	3	18900	15	#0	QPSK	23.09	0.87	23.96	248.886	PASS
Band2	3	19185	1	#0	QPSK	24.31	0.87	25.18	329.610	PASS
Band2	3	19185	1	#Mid	QPSK	24.36	0.87	25.23	333.426	PASS
Band2	3	19185	1	#Max	QPSK	24.31	0.87	25.18	329.610	PASS
Band2	3	19185	8	#0	QPSK	23.36	0.87	24.23	264.850	PASS
Band2	3	19185	8	#Mid	QPSK	23.39	0.87	24.26	266.686	PASS
Band2	3	19185	8	#Max	QPSK	23.34	0.87	24.21	263.633	PASS
Band2	3	19185	15	#0	QPSK	23.33	0.87	24.2	263.027	PASS
Band2	5	18625	1	#0	QPSK	23.73	0.87	24.6	288.403	PASS
Band2	5	18625	1	#Mid	QPSK	23.84	0.87	24.71	295.801	PASS
Band2	5	18625	1	#Max	QPSK	23.69	0.87	24.56	285.759	PASS
Band2	5	18625	12	#0	QPSK	22.89	0.87	23.76	237.684	PASS
Band2	5	18625	12	#Mid	QPSK	22.92	0.87	23.79	239.332	PASS
Band2	5	18625	12	#Max	QPSK	22.84	0.87	23.71	234.963	PASS
Band2	5	18625	25	#0	QPSK	22.86	0.87	23.73	236.048	PASS
Band2	5	18900	1	#0	QPSK	23.97	0.87	24.84	304.789	PASS
Band2	5	18900	1	#Mid	QPSK	24.11	0.87	24.98	314.775	PASS
Band2	5	18900	1	#Max	QPSK	23.94	0.87	24.81	302.691	PASS
Band2	5	18900	12	#0	QPSK	23.08	0.87	23.95	248.313	PASS
Band2	5	18900	12	#Mid	QPSK	23.16	0.87	24.03	252.930	PASS
Band2	5	18900	12	#Max	QPSK	23.04	0.87	23.91	246.037	PASS
Band2	5	18900	25	#0	QPSK	23.04	0.87	23.91	246.037	PASS
Band2	5	19175	1	#0	QPSK	23.77	0.87	24.64	291.072	PASS
Band2	5	19175	1	#Mid	QPSK	24.35	0.87	25.22	332.660	PASS
Band2	5	19175	1	#Max	QPSK	24.24	0.87	25.11	324.340	PASS
Band2	5	19175	12	#0	QPSK	23.38	0.87	24.25	266.073	PASS
Band2	5	19175	12	#Mid	QPSK	23.41	0.87	24.28	267.917	PASS
Band2	5	19175	12	#Max	QPSK	23.3	0.87	24.17	261.216	PASS

Band2	5	19175	25	#0	QPSK	23.37	0.87	24.24	265.461	PASS
Band2	10	18650	1	#0	QPSK	23.86	0.87	24.73	297.167	PASS
Band2	10	18650	1	#Mid	QPSK	23.92	0.87	24.79	301.301	PASS
Band2	10	18650	1	#Max	QPSK	23.57	0.87	24.44	277.971	PASS
Band2	10	18650	25	#0	QPSK	22.95	0.87	23.82	240.991	PASS
Band2	10	18650	25	#Mid	QPSK	22.88	0.87	23.75	237.137	PASS
Band2	10	18650	25	#Max	QPSK	22.88	0.87	23.75	237.137	PASS
Band2	10	18650	50	#0	QPSK	22.91	0.87	23.78	238.781	PASS
Band2	10	18900	1	#0	QPSK	24.05	0.87	24.92	310.456	PASS
Band2	10	18900	1	#Mid	QPSK	24.19	0.87	25.06	320.627	PASS
Band2	10	18900	1	#Max	QPSK	24.06	0.87	24.93	311.172	PASS
Band2	10	18900	25	#0	QPSK	23.15	0.87	24.02	252.348	PASS
Band2	10	18900	25	#Mid	QPSK	23.01	0.87	23.88	244.343	PASS
Band2	10	18900	25	#Max	QPSK	23.07	0.87	23.94	247.742	PASS
Band2	10	18900	50	#0	QPSK	23.1	0.87	23.97	249.459	PASS
Band2	10	19150	1	#0	QPSK	24.28	0.87	25.15	327.341	PASS
Band2	10	19150	1	#Mid	QPSK	23.82	0.87	24.69	294.442	PASS
Band2	10	19150	1	#Max	QPSK	24.36	0.87	25.23	333.426	PASS
Band2	10	19150	25	#0	QPSK	23.35	0.87	24.22	264.241	PASS
Band2	10	19150	25	#Mid	QPSK	23.38	0.87	24.25	266.073	PASS
Band2	10	19150	25	#Max	QPSK	23.31	0.87	24.18	261.818	PASS
Band2	10	19150	50	#0	QPSK	23.33	0.87	24.2	263.027	PASS
Band2	15	18675	1	#0	QPSK	23.78	0.87	24.65	291.743	PASS
Band2	15	18675	1	#Mid	QPSK	23.82	0.87	24.69	294.442	PASS
Band2	15	18675	1	#Max	QPSK	23.74	0.87	24.61	289.068	PASS
Band2	15	18675	36	#0	QPSK	22.94	0.87	23.81	240.436	PASS
Band2	15	18675	36	#Mid	QPSK	22.87	0.87	23.74	236.592	PASS
Band2	15	18675	36	#Max	QPSK	22.9	0.87	23.77	238.232	PASS
Band2	15	18675	75	#0	QPSK	22.92	0.87	23.79	239.332	PASS
Band2	15	18900	1	#0	QPSK	23.9	0.87	24.77	299.916	PASS
Band2	15	18900	1	#Mid	QPSK	24.11	0.87	24.98	314.775	PASS
Band2	15	18900	1	#Max	QPSK	23.96	0.87	24.83	304.089	PASS
Band2	15	18900	36	#0	QPSK	23.11	0.87	23.98	250.035	PASS
Band2	15	18900	36	#Mid	QPSK	23.14	0.87	24.01	251.768	PASS
Band2	15	18900	36	#Max	QPSK	23.1	0.87	23.97	249.459	PASS
Band2	15	18900	75	#0	QPSK	23.08	0.87	23.95	248.313	PASS
Band2	15	19125	1	#0	QPSK	24.19	0.87	25.06	320.627	PASS
Band2	15	19125	1	#Mid	QPSK	24.36	0.87	25.23	333.426	PASS
Band2	15	19125	1	#Max	QPSK	24.27	0.87	25.14	326.588	PASS
Band2	15	19125	36	#0	QPSK	23.29	0.87	24.16	260.615	PASS
Band2	15	19125	36	#Mid	QPSK	23.36	0.87	24.23	264.850	PASS
Band2	15	19125	36	#Max	QPSK	23.31	0.87	24.18	261.818	PASS
Band2	15	19125	75	#0	QPSK	22.05	0.87	22.92	195.884	PASS
Band2	20	18700	1	#0	QPSK	23.6	0.87	24.47	279.898	PASS
Band2	20	18700	1	#Mid	QPSK	23.92	0.87	24.79	301.301	PASS
Band2	20	18700	1	#Max	QPSK	23.71	0.87	24.58	287.078	PASS
Band2	20	18700	50	#0	QPSK	22.95	0.87	23.82	240.991	PASS
Band2	20	18700	50	#Mid	QPSK	22.89	0.87	23.76	237.684	PASS
Band2	20	18700	50	#Max	QPSK	22.92	0.87	23.79	239.332	PASS
Band2	20	18700	100	#0	QPSK	22.93	0.87	23.8	239.883	PASS
Band2	20	18900	1	#0	QPSK	23.8	0.87	24.67	293.089	PASS
Band2	20	18900	1	#Mid	QPSK	24.22	0.87	25.09	322.849	PASS
Band2	20	18900	1	#Max	QPSK	23.78	0.87	24.65	291.743	PASS
Band2	20	18900	50	#0	QPSK	23.09	0.87	23.96	248.886	PASS
Band2	20	18900	50	#Mid	QPSK	23.14	0.87	24.01	251.768	PASS
Band2	20	18900	50	#Max	QPSK	22.98	0.87	23.85	242.661	PASS
Band2	20	18900	100	#0	QPSK	23.05	0.87	23.92	246.604	PASS
Band2	20	19100	1	#0	QPSK	24.09	0.87	24.96	313.329	PASS
Band2	20	19100	1	#Mid	QPSK	24.42	0.87	25.29	**338.065**	PASS
Band2	20	19100	1	#Max	QPSK	24.06	0.87	24.93	311.172	PASS
Band2	20	19100	50	#0	QPSK	23.27	0.87	24.14	259.418	PASS
Band2	20	19100	50	#Mid	QPSK	23.38	0.87	24.25	266.073	PASS
Band2	20	19100	50	#Max	QPSK	23.3	0.87	24.17	261.216	PASS
Band2	20	19100	100	#0	QPSK	23.3	0.87	24.17	261.216	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Antenna gain(dBi)	EIRP power (dBm)	EIRP power (mW)	Verdict
Band2	1.4	18607	1	#0	QAM16	23.15	0.87	24.02	252.348	PASS
Band2	1.4	18607	1	#Mid	QAM16	23.22	0.87	24.09	256.448	PASS
Band2	1.4	18607	1	#Max	QAM16	23.06	0.87	23.93	247.172	PASS
Band2	1.4	18607	3	#0	QAM16	22.89	0.87	23.76	237.684	PASS
Band2	1.4	18607	3	#Mid	QAM16	22.91	0.87	23.78	238.781	PASS
Band2	1.4	18607	3	#Max	QAM16	22.89	0.87	23.76	237.684	PASS
Band2	1.4	18607	6	#0	QAM16	22.02	0.87	22.89	194.536	PASS
Band2	1.4	18900	1	#0	QAM16	23.31	0.87	24.18	261.818	PASS
Band2	1.4	18900	1	#Mid	QAM16	23.49	0.87	24.36	272.898	PASS
Band2	1.4	18900	1	#Max	QAM16	23.39	0.87	24.26	266.686	PASS
Band2	1.4	18900	3	#0	QAM16	21.7	0.87	22.57	180.717	PASS
Band2	1.4	18900	3	#Mid	QAM16	23.18	0.87	24.05	254.097	PASS
Band2	1.4	18900	3	#Max	QAM16	23.11	0.87	23.98	250.035	PASS
Band2	1.4	18900	6	#0	QAM16	22.23	0.87	23.1	204.174	PASS
Band2	1.4	19193	1	#0	QAM16	23.61	0.87	24.48	280.543	PASS
Band2	1.4	19193	1	#Mid	QAM16	23.74	0.87	24.61	**289.068**	PASS
Band2	1.4	19193	1	#Max	QAM16	23.5	0.87	24.37	273.527	PASS
Band2	1.4	19193	3	#0	QAM16	23.39	0.87	24.26	266.686	PASS
Band2	1.4	19193	3	#Mid	QAM16	23.44	0.87	24.31	269.774	PASS
Band2	1.4	19193	3	#Max	QAM16	23.34	0.87	24.21	263.633	PASS
Band2	1.4	19193	6	#0	QAM16	22.51	0.87	23.38	217.771	PASS
Band2	3	18615	1	#0	QAM16	23.17	0.87	24.04	253.513	PASS
Band2	3	18615	1	#Mid	QAM16	23.07	0.87	23.94	247.742	PASS
Band2	3	18615	1	#Max	QAM16	23.16	0.87	24.03	252.930	PASS
Band2	3	18615	8	#0	QAM16	21.97	0.87	22.84	192.309	PASS
Band2	3	18615	8	#Mid	QAM16	22.28	0.87	23.15	206.538	PASS
Band2	3	18615	8	#Max	QAM16	21.94	0.87	22.81	190.985	PASS
Band2	3	18615	15	#0	QAM16	21.88	0.87	22.75	188.365	PASS
Band2	3	18900	1	#0	QAM16	23.35	0.87	24.22	264.241	PASS
Band2	3	18900	1	#Mid	QAM16	23.33	0.87	24.2	263.027	PASS
Band2	3	18900	1	#Max	QAM16	23.34	0.87	24.21	263.633	PASS
Band2	3	18900	8	#0	QAM16	22.16	0.87	23.03	200.909	PASS
Band2	3	18900	8	#Mid	QAM16	22.22	0.87	23.09	203.704	PASS
Band2	3	18900	8	#Max	QAM16	22.16	0.87	23.03	200.909	PASS
Band2	3	18900	15	#0	QAM16	22.11	0.87	22.98	198.609	PASS
Band2	3	19185	1	#0	QAM16	23.63	0.87	24.5	281.838	PASS
Band2	3	19185	1	#Mid	QAM16	23.54	0.87	24.41	276.058	PASS
Band2	3	19185	1	#Max	QAM16	23.61	0.87	24.48	280.543	PASS
Band2	3	19185	8	#0	QAM16	22.48	0.87	23.35	216.272	PASS
Band2	3	19185	8	#Mid	QAM16	22.49	0.87	23.36	216.770	PASS
Band2	3	19185	8	#Max	QAM16	22.41	0.87	23.28	212.814	PASS
Band2	3	19185	15	#0	QAM16	22.39	0.87	23.26	211.836	PASS
Band2	5	18625	1	#0	QAM16	22.97	0.87	23.84	242.103	PASS
Band2	5	18625	1	#Mid	QAM16	23.09	0.87	23.96	248.886	PASS
Band2	5	18625	1	#Max	QAM16	23.23	0.87	24.1	257.040	PASS
Band2	5	18625	12	#0	QAM16	21.88	0.87	22.75	188.365	PASS
Band2	5	18625	12	#Mid	QAM16	21.61	0.87	22.48	177.011	PASS
Band2	5	18625	12	#Max	QAM16	21.87	0.87	22.74	187.932	PASS
Band2	5	18625	25	#0	QAM16	21.9	0.87	22.77	189.234	PASS
Band2	5	18900	1	#0	QAM16	22.22	0.87	23.09	203.704	PASS
Band2	5	18900	1	#Mid	QAM16	23.39	0.87	24.26	266.686	PASS
Band2	5	18900	1	#Max	QAM16	23.17	0.87	24.04	253.513	PASS
Band2	5	18900	12	#0	QAM16	22.08	0.87	22.95	197.242	PASS
Band2	5	18900	12	#Mid	QAM16	22.15	0.87	23.02	200.447	PASS
Band2	5	18900	12	#Max	QAM16	22.09	0.87	22.96	197.697	PASS
Band2	5	18900	25	#0	QAM16	22.07	0.87	22.94	196.789	PASS
Band2	5	19175	1	#0	QAM16	23.45	0.87	24.32	270.396	PASS
Band2	5	19175	1	#Mid	QAM16	23.68	0.87	24.55	285.102	PASS
Band2	5	19175	1	#Max	QAM16	23.46	0.87	24.33	271.019	PASS
Band2	5	19175	12	#0	QAM16	22.4	0.87	23.27	212.324	PASS
Band2	5	19175	12	#Mid	QAM16	22.42	0.87	23.29	213.304	PASS
Band2	5	19175	12	#Max	QAM16	22.32	0.87	23.19	208.449	PASS
Band2	5	19175	25	#0	QAM16	22.4	0.87	23.27	212.324	PASS
Band2	10	18650	1	#0	QAM16	23.11	0.87	23.98	250.035	PASS
Band2	10	18650	1	#Mid	QAM16	23.24	0.87	24.11	257.632	PASS

Band2	10	18650	1	#Max	QAM16	23.18	0.87	24.05	254.097	PASS
Band2	10	18650	25	#0	QAM16	21.97	0.87	22.84	192.309	PASS
Band2	10	18650	25	#Mid	QAM16	21.93	0.87	22.8	190.546	PASS
Band2	10	18650	25	#Max	QAM16	21.02	0.87	21.89	154.525	PASS
Band2	10	18650	50	#0	QAM16	21.94	0.87	22.81	190.985	PASS
Band2	10	18900	1	#0	QAM16	23.3	0.87	24.17	261.216	PASS
Band2	10	18900	1	#Mid	QAM16	23.44	0.87	24.31	269.774	PASS
Band2	10	18900	1	#Max	QAM16	23.43	0.87	24.3	269.153	PASS
Band2	10	18900	25	#0	QAM16	22.14	0.87	23.01	199.986	PASS
Band2	10	18900	25	#Mid	QAM16	21.83	0.87	22.7	186.209	PASS
Band2	10	18900	25	#Max	QAM16	22.09	0.87	22.96	197.697	PASS
Band2	10	18900	50	#0	QAM16	22.11	0.87	22.98	198.609	PASS
Band2	10	19150	1	#0	QAM16	23.53	0.87	24.4	275.423	PASS
Band2	10	19150	1	#Mid	QAM16	23.5	0.87	24.37	273.527	PASS
Band2	10	19150	1	#Max	QAM16	23.69	0.87	24.56	285.759	PASS
Band2	10	19150	25	#0	QAM16	22.36	0.87	23.23	210.378	PASS
Band2	10	19150	25	#Mid	QAM16	22.4	0.87	23.27	212.324	PASS
Band2	10	19150	25	#Max	QAM16	22.35	0.87	23.22	209.894	PASS
Band2	10	19150	50	#0	QAM16	22.38	0.87	23.25	211.349	PASS
Band2	15	18675	1	#0	QAM16	23.06	0.87	23.93	247.172	PASS
Band2	15	18675	1	#Mid	QAM16	23.1	0.87	23.97	249.459	PASS
Band2	15	18675	1	#Max	QAM16	22.98	0.87	23.85	242.661	PASS
Band2	15	18675	36	#0	QAM16	21.92	0.87	22.79	190.108	PASS
Band2	15	18675	36	#Mid	QAM16	21.86	0.87	22.73	187.499	PASS
Band2	15	18675	36	#Max	QAM16	21.89	0.87	22.76	188.799	PASS
Band2	15	18675	75	#0	QAM16	21.93	0.87	22.8	190.546	PASS
Band2	15	18900	1	#0	QAM16	23.21	0.87	24.08	255.859	PASS
Band2	15	18900	1	#Mid	QAM16	23.37	0.87	24.24	265.461	PASS
Band2	15	18900	1	#Max	QAM16	23.31	0.87	24.18	261.818	PASS
Band2	15	18900	36	#0	QAM16	22.08	0.87	22.95	197.242	PASS
Band2	15	18900	36	#Mid	QAM16	22.34	0.87	23.21	209.411	PASS
Band2	15	18900	36	#Max	QAM16	22.09	0.87	22.96	197.697	PASS
Band2	15	18900	75	#0	QAM16	22.08	0.87	22.95	197.242	PASS
Band2	15	19125	1	#0	QAM16	23.56	0.87	24.43	277.332	PASS
Band2	15	19125	1	#Mid	QAM16	23.61	0.87	24.48	280.543	PASS
Band2	15	19125	1	#Max	QAM16	23.6	0.87	24.47	279.898	PASS
Band2	15	19125	36	#0	QAM16	22.31	0.87	23.18	207.970	PASS
Band2	15	19125	36	#Mid	QAM16	22.35	0.87	23.22	209.894	PASS
Band2	15	19125	36	#Max	QAM16	22.33	0.87	23.2	208.930	PASS
Band2	15	19125	75	#0	QAM16	22.32	0.87	23.19	208.449	PASS
Band2	20	18700	1	#0	QAM16	22.91	0.87	23.78	238.781	PASS
Band2	20	18700	1	#Mid	QAM16	23.32	0.87	24.19	262.422	PASS
Band2	20	18700	1	#Max	QAM16	23.41	0.87	24.28	267.917	PASS
Band2	20	18700	50	#0	QAM16	21.95	0.87	22.82	191.426	PASS
Band2	20	18700	50	#Mid	QAM16	21.9	0.87	22.77	189.234	PASS
Band2	20	18700	50	#Max	QAM16	21.93	0.87	22.8	190.546	PASS
Band2	20	18700	100	#0	QAM16	21.92	0.87	22.79	190.108	PASS
Band2	20	18900	1	#0	QAM16	23.13	0.87	24	251.189	PASS
Band2	20	18900	1	#Mid	QAM16	23.43	0.87	24.3	269.153	PASS
Band2	20	18900	1	#Max	QAM16	23.13	0.87	24	251.189	PASS
Band2	20	18900	50	#0	QAM16	22.09	0.87	22.96	197.697	PASS
Band2	20	18900	50	#Mid	QAM16	22.15	0.87	23.02	200.447	PASS
Band2	20	18900	50	#Max	QAM16	22.02	0.87	22.89	194.536	PASS
Band2	20	18900	100	#0	QAM16	22.03	0.87	22.9	194.984	PASS
Band2	20	19100	1	#0	QAM16	23.15	0.87	24.02	252.348	PASS
Band2	20	19100	1	#Mid	QAM16	23.71	0.87	24.58	287.078	PASS
Band2	20	19100	1	#Max	QAM16	23.3	0.87	24.17	261.216	PASS
Band2	20	19100	50	#0	QAM16	22.31	0.87	23.18	207.970	PASS
Band2	20	19100	50	#Mid	QAM16	22.37	0.87	23.24	210.863	PASS
Band2	20	19100	50	#Max	QAM16	22.03	0.87	22.9	194.984	PASS
Band2	20	19100	100	#0	QAM16	22.33	0.87	23.2	208.930	PASS

Note:
Max. EIRP Average (dBm)= Conducted power + Antenna Gain

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Antenna gain(dBi)	EIRP power (dBm)	EIRP power (mW)	Verdict
Band4	1.4	19957	1	#0	QPSK	23.49	2.24	25.73	**374.111**	PASS
Band4	1.4	19957	1	#Mid	QPSK	23.61	2.24	25.85	384.592	PASS
Band4	1.4	19957	1	#Max	QPSK	23.47	2.24	25.71	372.392	PASS
Band4	1.4	19957	3	#0	QPSK	23.57	2.24	25.81	381.066	PASS
Band4	1.4	19957	3	#Mid	QPSK	23.63	2.24	25.87	386.367	PASS
Band4	1.4	19957	3	#Max	QPSK	23.6	2.24	25.84	383.707	PASS
Band4	1.4	19957	6	#0	QPSK	22.65	2.24	24.89	308.319	PASS
Band4	1.4	20175	1	#0	QPSK	24	2.24	26.24	420.727	PASS
Band4	1.4	20175	1	#Mid	QPSK	24.12	2.24	26.36	432.514	PASS
Band4	1.4	20175	1	#Max	QPSK	23.99	2.24	26.23	419.759	PASS
Band4	1.4	20175	3	#0	QPSK	24.08	2.24	26.32	428.549	PASS
Band4	1.4	20175	3	#Mid	QPSK	24.14	2.24	26.38	434.510	PASS
Band4	1.4	20175	3	#Max	QPSK	24.11	2.24	26.35	431.519	PASS
Band4	1.4	20175	6	#0	QPSK	23.18	2.24	25.42	348.337	PASS
Band4	1.4	20393	1	#0	QPSK	24.11	2.24	26.35	431.519	PASS
Band4	1.4	20393	1	#Mid	QPSK	24.26	2.24	26.5	**446.684**	PASS
Band4	1.4	20393	1	#Max	QPSK	24.14	2.24	26.38	434.510	PASS
Band4	1.4	20393	3	#0	QPSK	24.2	2.24	26.44	440.555	PASS
Band4	1.4	20393	3	#Mid	QPSK	24.24	2.24	26.48	444.631	PASS
Band4	1.4	20393	3	#Max	QPSK	24.22	2.24	26.46	442.588	PASS
Band4	1.4	20393	6	#0	QPSK	23.26	2.24	25.5	354.813	PASS
Band4	3	19965	1	#0	QPSK	23.53	2.24	25.77	377.572	PASS
Band4	3	19965	1	#Mid	QPSK	23.5	2.24	25.74	374.973	PASS
Band4	3	19965	1	#Max	QPSK	23.49	2.24	25.73	374.111	PASS
Band4	3	19965	8	#0	QPSK	22.56	2.24	24.8	301.995	PASS
Band4	3	19965	8	#Mid	QPSK	22.61	2.24	24.85	305.492	PASS
Band4	3	19965	8	#Max	QPSK	22.57	2.24	24.81	302.691	PASS
Band4	3	19965	15	#0	QPSK	22.57	2.24	24.81	302.691	PASS
Band4	3	20175	1	#0	QPSK	23.99	2.24	26.23	419.759	PASS
Band4	3	20175	1	#Mid	QPSK	24.02	2.24	26.26	422.669	PASS
Band4	3	20175	1	#Max	QPSK	24.01	2.24	26.25	421.697	PASS
Band4	3	20175	8	#0	QPSK	23.09	2.24	25.33	341.193	PASS
Band4	3	20175	8	#Mid	QPSK	23.12	2.24	25.36	343.558	PASS
Band4	3	20175	8	#Max	QPSK	23.11	2.24	25.35	342.768	PASS
Band4	3	20175	15	#0	QPSK	23.13	2.24	25.37	344.350	PASS
Band4	3	20385	1	#0	QPSK	24.13	2.24	26.37	433.511	PASS
Band4	3	20385	1	#Mid	QPSK	24.16	2.24	26.4	436.516	PASS
Band4	3	20385	1	#Max	QPSK	24.14	2.24	26.38	434.510	PASS
Band4	3	20385	8	#0	QPSK	23.18	2.24	25.42	348.337	PASS
Band4	3	20385	8	#Mid	QPSK	23.24	2.24	25.48	353.183	PASS
Band4	3	20385	8	#Max	QPSK	23.22	2.24	25.46	351.560	PASS
Band4	3	20385	15	#0	QPSK	23.21	2.24	25.45	350.752	PASS
Band4	5	19975	1	#0	QPSK	23.41	2.24	25.65	367.282	PASS
Band4	5	19975	1	#Mid	QPSK	23.5	2.24	25.74	374.973	PASS
Band4	5	19975	1	#Max	QPSK	23.39	2.24	25.63	365.595	PASS
Band4	5	19975	12	#0	QPSK	22.54	2.24	24.78	300.608	PASS
Band4	5	19975	12	#Mid	QPSK	22.62	2.24	24.86	306.196	PASS
Band4	5	19975	12	#Max	QPSK	22.58	2.24	24.82	303.389	PASS
Band4	5	19975	25	#0	QPSK	22.58	2.24	24.82	303.389	PASS
Band4	5	20175	1	#0	QPSK	23.86	2.24	26.1	407.380	PASS
Band4	5	20175	1	#Mid	QPSK	24.03	2.24	26.27	423.643	PASS
Band4	5	20175	1	#Max	QPSK	23.94	2.24	26.18	414.954	PASS
Band4	5	20175	12	#0	QPSK	23.12	2.24	25.36	343.558	PASS
Band4	5	20175	12	#Mid	QPSK	23.16	2.24	25.4	346.737	PASS
Band4	5	20175	12	#Max	QPSK	23.12	2.24	25.36	343.558	PASS
Band4	5	20175	25	#0	QPSK	23.13	2.24	25.37	344.350	PASS
Band4	5	20375	1	#0	QPSK	23.92	2.24	26.16	413.048	PASS
Band4	5	20375	1	#Mid	QPSK	24.07	2.24	26.31	427.563	PASS
Band4	5	20375	1	#Max	QPSK	23.97	2.24	26.21	417.830	PASS
Band4	5	20375	12	#0	QPSK	23.08	2.24	25.32	340.408	PASS
Band4	5	20375	12	#Mid	QPSK	23.15	2.24	25.39	345.939	PASS
Band4	5	20375	12	#Max	QPSK	23.13	2.24	25.37	344.350	PASS
Band4	5	20375	25	#0	QPSK	23.12	2.24	25.36	343.558	PASS
Band4	10	20000	1	#0	QPSK	23.52	2.24	25.76	376.704	PASS
Band4	10	20000	1	#Mid	QPSK	23.65	2.24	25.89	388.150	PASS

Band4	10	20000	1	#Max	QPSK	23.61	2.24	25.85	384.592	PASS
Band4	10	20000	25	#0	QPSK	22.59	2.24	24.83	304.089	PASS
Band4	10	20000	25	#Mid	QPSK	22.67	2.24	24.91	309.742	PASS
Band4	10	20000	25	#Max	QPSK	22.78	2.24	25.02	317.687	PASS
Band4	10	20000	50	#0	QPSK	22.72	2.24	24.96	313.329	PASS
Band4	10	20175	1	#0	QPSK	23.94	2.24	26.18	414.954	PASS
Band4	10	20175	1	#Mid	QPSK	24.13	2.24	26.37	433.511	PASS
Band4	10	20175	1	#Max	QPSK	24.06	2.24	26.3	426.580	PASS
Band4	10	20175	25	#0	QPSK	23.24	2.24	25.48	353.183	PASS
Band4	10	20175	25	#Mid	QPSK	23.2	2.24	25.44	349.945	PASS
Band4	10	20175	25	#Max	QPSK	23.21	2.24	25.45	350.752	PASS
Band4	10	20175	50	#0	QPSK	23.24	2.24	25.48	353.183	PASS
Band4	10	20350	1	#0	QPSK	23.96	2.24	26.2	416.869	PASS
Band4	10	20350	1	#Mid	QPSK	24.15	2.24	26.39	435.512	PASS
Band4	10	20350	1	#Max	QPSK	24.09	2.24	26.33	429.536	PASS
Band4	10	20350	25	#0	QPSK	23.11	2.24	25.35	342.768	PASS
Band4	10	20350	25	#Mid	QPSK	23.15	2.24	25.39	345.939	PASS
Band4	10	20350	25	#Max	QPSK	23.24	2.24	25.48	353.183	PASS
Band4	10	20350	50	#0	QPSK	23.21	2.24	25.45	350.752	PASS
Band4	15	20025	1	#0	QPSK	23.4	2.24	25.64	366.438	PASS
Band4	15	20025	1	#Mid	QPSK	23.57	2.24	25.81	381.066	PASS
Band4	15	20025	1	#Max	QPSK	23.68	2.24	25.92	390.841	PASS
Band4	15	20025	36	#0	QPSK	22.58	2.24	24.82	303.389	PASS
Band4	15	20025	36	#Mid	QPSK	22.7	2.24	24.94	311.889	PASS
Band4	15	20025	36	#Max	QPSK	22.8	2.24	25.04	319.154	PASS
Band4	15	20025	75	#0	QPSK	22.69	2.24	24.93	311.172	PASS
Band4	15	20175	1	#0	QPSK	23.8	2.24	26.04	401.791	PASS
Band4	15	20175	1	#Mid	QPSK	24.04	2.24	26.28	424.620	PASS
Band4	15	20175	1	#Max	QPSK	23.94	2.24	26.18	414.954	PASS
Band4	15	20175	36	#0	QPSK	23.14	2.24	25.38	345.144	PASS
Band4	15	20175	36	#Mid	QPSK	23.19	2.24	25.43	349.140	PASS
Band4	15	20175	36	#Max	QPSK	23.18	2.24	25.42	348.337	PASS
Band4	15	20175	75	#0	QPSK	23.17	2.24	25.41	347.536	PASS
Band4	15	20325	1	#0	QPSK	23.82	2.24	26.06	403.645	PASS
Band4	15	20325	1	#Mid	QPSK	24	2.24	26.24	420.727	PASS
Band4	15	20325	1	#Max	QPSK	23.97	2.24	26.21	417.830	PASS
Band4	15	20325	36	#0	QPSK	23.07	2.24	25.31	339.625	PASS
Band4	15	20325	36	#Mid	QPSK	23.1	2.24	25.34	341.979	PASS
Band4	15	20325	36	#Max	QPSK	23.17	2.24	25.41	347.536	PASS
Band4	15	20325	75	#0	QPSK	23.11	2.24	25.35	342.768	PASS
Band4	20	20050	1	#0	QPSK	23.2	2.24	25.44	349.945	PASS
Band4	20	20050	1	#Mid	QPSK	23.7	2.24	25.94	392.645	PASS
Band4	20	20050	1	#Max	QPSK	23.63	2.24	25.87	386.367	PASS
Band4	20	20050	50	#0	QPSK	22.55	2.24	24.79	301.301	PASS
Band4	20	20050	50	#Mid	QPSK	22.76	2.24	25	316.228	PASS
Band4	20	20050	50	#Max	QPSK	22.89	2.24	25.13	325.837	PASS
Band4	20	20050	100	#0	QPSK	22.71	2.24	24.95	312.608	PASS
Band4	20	20175	1	#0	QPSK	23.53	2.24	25.77	377.572	PASS
Band4	20	20175	1	#Mid	QPSK	24.14	2.24	26.38	434.510	PASS
Band4	20	20175	1	#Max	QPSK	23.79	2.24	26.03	400.867	PASS
Band4	20	20175	50	#0	QPSK	23.16	2.24	25.4	346.737	PASS
Band4	20	20175	50	#Mid	QPSK	23.21	2.24	25.45	350.752	PASS
Band4	20	20175	50	#Max	QPSK	23.17	2.24	25.41	347.536	PASS
Band4	20	20175	100	#0	QPSK	23.15	2.24	25.39	345.939	PASS
Band4	20	20300	1	#0	QPSK	23.6	2.24	25.84	383.707	PASS
Band4	20	20300	1	#Mid	QPSK	24.07	2.24	26.31	427.563	PASS
Band4	20	20300	1	#Max	QPSK	23.79	2.24	26.03	400.867	PASS
Band4	20	20300	50	#0	QPSK	23.07	2.24	25.31	339.625	PASS
Band4	20	20300	50	#Mid	QPSK	23.1	2.24	25.34	341.979	PASS
Band4	20	20300	50	#Max	QPSK	23.16	2.24	25.4	346.737	PASS
Band4	20	20300	100	#0	QPSK	23.09	2.24	25.33	341.193	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Antenna gain(dBi)	EIRP power (dBm)	EIRP power (mW)	Verdict
Band4	1.4	19957	1	#0	QAM16	22.78	2.24	25.02	**317.687**	PASS
Band4	1.4	19957	1	#Mid	QAM16	22.86	2.24	25.1	323.594	PASS
Band4	1.4	19957	1	#Max	QAM16	22.78	2.24	25.02	317.687	PASS
Band4	1.4	19957	3	#0	QAM16	22.61	2.24	24.85	305.492	PASS
Band4	1.4	19957	3	#Mid	QAM16	22.6	2.24	24.84	304.789	PASS
Band4	1.4	19957	3	#Max	QAM16	22.54	2.24	24.78	300.608	PASS
Band4	1.4	19957	6	#0	QAM16	21.68	2.24	23.92	246.604	PASS
Band4	1.4	20175	1	#0	QAM16	23.14	2.24	25.38	345.144	PASS
Band4	1.4	20175	1	#Mid	QAM16	23.37	2.24	25.61	363.915	PASS
Band4	1.4	20175	1	#Max	QAM16	23.26	2.24	25.5	354.813	PASS
Band4	1.4	20175	3	#0	QAM16	23.09	2.24	25.33	341.193	PASS
Band4	1.4	20175	3	#Mid	QAM16	23.11	2.24	25.35	342.768	PASS
Band4	1.4	20175	3	#Max	QAM16	23	2.24	25.24	334.195	PASS
Band4	1.4	20175	6	#0	QAM16	22.23	2.24	24.47	279.898	PASS
Band4	1.4	20393	1	#0	QAM16	23.29	2.24	25.53	357.273	PASS
Band4	1.4	20393	1	#Mid	QAM16	23.53	2.24	25.77	**377.572**	PASS
Band4	1.4	20393	1	#Max	QAM16	23.49	2.24	25.73	374.111	PASS
Band4	1.4	20393	3	#0	QAM16	23.26	2.24	25.5	354.813	PASS
Band4	1.4	20393	3	#Mid	QAM16	23.29	2.24	25.53	357.273	PASS
Band4	1.4	20393	3	#Max	QAM16	23.21	2.24	25.45	350.752	PASS
Band4	1.4	20393	6	#0	QAM16	22.37	2.24	24.61	289.068	PASS
Band4	3	19965	1	#0	QAM16	22.76	2.24	25	316.228	PASS
Band4	3	19965	1	#Mid	QAM16	22.76	2.24	25	316.228	PASS
Band4	3	19965	1	#Max	QAM16	22.66	2.24	24.9	309.030	PASS
Band4	3	19965	8	#0	QAM16	21.63	2.24	23.87	243.781	PASS
Band4	3	19965	8	#Mid	QAM16	21.68	2.24	23.92	246.604	PASS
Band4	3	19965	8	#Max	QAM16	21.66	2.24	23.9	245.471	PASS
Band4	3	19965	15	#0	QAM16	21.57	2.24	23.81	240.436	PASS
Band4	3	20175	1	#0	QAM16	23.13	2.24	25.37	344.350	PASS
Band4	3	20175	1	#Mid	QAM16	23.28	2.24	25.52	356.451	PASS
Band4	3	20175	1	#Max	QAM16	23.22	2.24	25.46	351.560	PASS
Band4	3	20175	8	#0	QAM16	22.11	2.24	24.35	272.270	PASS
Band4	3	20175	8	#Mid	QAM16	22.16	2.24	24.4	275.423	PASS
Band4	3	20175	8	#Max	QAM16	22.14	2.24	24.38	274.157	PASS
Band4	3	20175	15	#0	QAM16	22.11	2.24	24.35	272.270	PASS
Band4	3	20385	1	#0	QAM16	23.47	2.24	25.71	372.392	PASS
Band4	3	20385	1	#Mid	QAM16	23.32	2.24	25.56	359.749	PASS
Band4	3	20385	1	#Max	QAM16	23.39	2.24	25.63	365.595	PASS
Band4	3	20385	8	#0	QAM16	22.27	2.24	24.51	282.488	PASS
Band4	3	20385	8	#Mid	QAM16	22.29	2.24	24.53	283.792	PASS
Band4	3	20385	8	#Max	QAM16	22.25	2.24	24.49	281.190	PASS
Band4	3	20385	15	#0	QAM16	22.23	2.24	24.47	279.898	PASS
Band4	5	19975	1	#0	QAM16	22.77	2.24	25.01	316.957	PASS
Band4	5	19975	1	#Mid	QAM16	22.81	2.24	25.05	319.890	PASS
Band4	5	19975	1	#Max	QAM16	22.59	2.24	24.83	304.089	PASS
Band4	5	19975	12	#0	QAM16	21.51	2.24	23.75	237.137	PASS
Band4	5	19975	12	#Mid	QAM16	21.58	2.24	23.82	240.991	PASS
Band4	5	19975	12	#Max	QAM16	21.6	2.24	23.84	242.103	PASS
Band4	5	19975	25	#0	QAM16	21.61	2.24	23.85	242.661	PASS
Band4	5	20175	1	#0	QAM16	23.08	2.24	25.32	340.408	PASS
Band4	5	20175	1	#Mid	QAM16	23.21	2.24	25.45	350.752	PASS
Band4	5	20175	1	#Max	QAM16	23.13	2.24	25.37	344.350	PASS
Band4	5	20175	12	#0	QAM16	22.1	2.24	24.34	271.644	PASS
Band4	5	20175	12	#Mid	QAM16	22.15	2.24	24.39	274.789	PASS
Band4	5	20175	12	#Max	QAM16	22.07	2.24	24.31	269.774	PASS
Band4	5	20175	25	#0	QAM16	22.13	2.24	24.37	273.527	PASS
Band4	5	20375	1	#Mid	QAM16	23.34	2.24	25.58	361.410	PASS
Band4	5	20375	1	#Max	QAM16	23.32	2.24	25.56	359.749	PASS
Band4	5	20375	12	#0	QAM16	22.09	2.24	24.33	271.019	PASS
Band4	5	20375	12	#Mid	QAM16	22.11	2.24	24.35	272.270	PASS
Band4	5	20375	12	#Max	QAM16	22.14	2.24	24.38	274.157	PASS
Band4	5	20375	25	#0	QAM16	22.1	2.24	24.34	271.644	PASS
Band4	5	20375	1	#0	QAM16	23.15	2.24	25.39	345.939	PASS
Band4	10	20000	1	#0	QAM16	22.79	2.24	25.03	318.420	PASS
Band4	10	20000	1	#Mid	QAM16	22.92	2.24	25.16	328.095	PASS

Band4	10	20000	1	#Max	QAM16	22.77	2.24	25.01	316.957	PASS
Band4	10	20000	25	#0	QAM16	21.63	2.24	23.87	243.781	PASS
Band4	10	20000	25	#Mid	QAM16	21.67	2.24	23.91	246.037	PASS
Band4	10	20000	25	#Max	QAM16	21.75	2.24	23.99	250.611	PASS
Band4	10	20000	50	#0	QAM16	21.69	2.24	23.93	247.172	PASS
Band4	10	20175	1	#0	QAM16	23.16	2.24	25.4	346.737	PASS
Band4	10	20175	1	#Mid	QAM16	23.25	2.24	25.49	353.997	PASS
Band4	10	20175	1	#Max	QAM16	23.31	2.24	25.55	358.922	PASS
Band4	10	20175	25	#0	QAM16	22.2	2.24	24.44	277.971	PASS
Band4	10	20175	25	#Mid	QAM16	22.19	2.24	24.43	277.332	PASS
Band4	10	20175	25	#Max	QAM16	22.2	2.24	24.44	277.971	PASS
Band4	10	20175	50	#0	QAM16	22.22	2.24	24.46	279.254	PASS
Band4	10	20350	1	#0	QAM16	23.2	2.24	25.44	349.945	PASS
Band4	10	20350	1	#Mid	QAM16	23.44	2.24	25.68	369.828	PASS
Band4	10	20350	1	#Max	QAM16	23.43	2.24	25.67	368.978	PASS
Band4	10	20350	25	#0	QAM16	22.15	2.24	24.39	274.789	PASS
Band4	10	20350	25	#Mid	QAM16	22.17	2.24	24.41	276.058	PASS
Band4	10	20350	25	#Max	QAM16	22.24	2.24	24.48	280.543	PASS
Band4	10	20350	50	#0	QAM16	22.18	2.24	24.42	276.694	PASS
Band4	15	20025	1	#0	QAM16	22.65	2.24	24.89	308.319	PASS
Band4	15	20025	1	#Mid	QAM16	22.8	2.24	25.04	319.154	PASS
Band4	15	20025	1	#Max	QAM16	22.87	2.24	25.11	324.340	PASS
Band4	15	20025	36	#0	QAM16	21.54	2.24	23.78	238.781	PASS
Band4	15	20025	36	#Mid	QAM16	21.64	2.24	23.88	244.343	PASS
Band4	15	20025	36	#Max	QAM16	21.73	2.24	23.97	249.459	PASS
Band4	15	20025	75	#0	QAM16	21.67	2.24	23.91	246.037	PASS
Band4	15	20175	1	#0	QAM16	23.03	2.24	25.27	336.512	PASS
Band4	15	20175	1	#Mid	QAM16	23.27	2.24	25.51	355.631	PASS
Band4	15	20175	1	#Max	QAM16	23.22	2.24	25.46	351.560	PASS
Band4	15	20175	36	#0	QAM16	22.1	2.24	24.34	271.644	PASS
Band4	15	20175	36	#Mid	QAM16	22.12	2.24	24.36	272.898	PASS
Band4	15	20175	36	#Max	QAM16	22.13	2.24	24.37	273.527	PASS
Band4	15	20175	75	#0	QAM16	22.12	2.24	24.36	272.898	PASS
Band4	15	20325	1	#0	QAM16	23.09	2.24	25.33	341.193	PASS
Band4	15	20325	1	#Mid	QAM16	23.31	2.24	25.55	358.922	PASS
Band4	15	20325	1	#Max	QAM16	23.21	2.24	25.45	350.752	PASS
Band4	15	20325	36	#0	QAM16	22.04	2.24	24.28	267.917	PASS
Band4	15	20325	36	#Mid	QAM16	22.09	2.24	24.33	271.019	PASS
Band4	15	20325	36	#Max	QAM16	22.15	2.24	24.39	274.789	PASS
Band4	15	20325	75	#0	QAM16	22.1	2.24	24.34	271.644	PASS
Band4	20	20050	1	#0	QAM16	22.44	2.24	24.68	293.765	PASS
Band4	20	20050	1	#Mid	QAM16	22.85	2.24	25.09	322.849	PASS
Band4	20	20050	1	#Max	QAM16	22.88	2.24	25.12	325.087	PASS
Band4	20	20050	50	#0	QAM16	21.52	2.24	23.76	237.684	PASS
Band4	20	20050	50	#Mid	QAM16	21.74	2.24	23.98	250.035	PASS
Band4	20	20050	50	#Max	QAM16	21.84	2.24	24.08	255.859	PASS
Band4	20	20050	100	#0	QAM16	21.67	2.24	23.91	246.037	PASS
Band4	20	20175	1	#0	QAM16	22.76	2.24	25	316.228	PASS
Band4	20	20175	1	#Mid	QAM16	23.32	2.24	25.56	359.749	PASS
Band4	20	20175	1	#Max	QAM16	23.03	2.24	25.27	336.512	PASS
Band4	20	20175	50	#0	QAM16	22.12	2.24	24.36	272.898	PASS
Band4	20	20175	50	#Mid	QAM16	22.17	2.24	24.41	276.058	PASS
Band4	20	20175	50	#Max	QAM16	22.12	2.24	24.36	272.898	PASS
Band4	20	20175	100	#0	QAM16	22.11	2.24	24.35	272.270	PASS
Band4	20	20300	1	#0	QAM16	22.8	2.24	25.04	319.154	PASS
Band4	20	20300	1	#Mid	QAM16	23.26	2.24	25.5	354.813	PASS
Band4	20	20300	1	#Max	QAM16	23.06	2.24	25.3	338.844	PASS
Band4	20	20300	50	#0	QAM16	22.06	2.24	24.3	269.153	PASS
Band4	20	20300	50	#Mid	QAM16	22.08	2.24	24.32	270.396	PASS
Band4	20	20300	50	#Max	QAM16	22.17	2.24	24.41	276.058	PASS
Band4	20	20300	100	#0	QAM16	22.08	2.24	24.32	270.396	PASS

Note:
Max. EIRP Average (dBm)= Conducted power + Antenna Gain

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Antenna gain(dBi)	EIRP power (dBm)	ERP power dBm)	ERP power (mW)	Verdict
Band5	1.4	20407	1	#0	QPSK	23.4	-1.84	21.56	19.41	87.297	PASS
Band5	1.4	20407	1	#Mid	QPSK	23.57	-1.84	21.73	19.58	90.782	PASS
Band5	1.4	20407	1	#Max	QPSK	23.43	-1.84	21.59	19.44	87.902	PASS
Band5	1.4	20407	3	#0	QPSK	23.5	-1.84	21.66	19.51	89.331	PASS
Band5	1.4	20407	3	#Mid	QPSK	23.55	-1.84	21.71	19.56	90.365	PASS
Band5	1.4	20407	3	#Max	QPSK	23.52	-1.84	21.68	19.53	89.743	PASS
Band5	1.4	20407	6	#0	QPSK	22.52	-1.84	20.68	18.53	71.285	PASS
Band5	1.4	20525	1	#0	QPSK	23.57	-1.84	21.73	19.58	90.782	PASS
Band5	1.4	20525	1	#Mid	QPSK	23.71	-1.84	21.87	19.72	93.756	PASS
Band5	1.4	20525	1	#Max	QPSK	23.58	-1.84	21.74	19.59	90.991	PASS
Band5	1.4	20525	3	#0	QPSK	23.67	-1.84	21.83	19.68	92.897	PASS
Band5	1.4	20525	3	#Mid	QPSK	23.7	-1.84	21.86	19.71	93.541	PASS
Band5	1.4	20525	3	#Max	QPSK	23.65	-1.84	21.81	19.66	92.470	PASS
Band5	1.4	20525	6	#0	QPSK	22.68	-1.84	20.84	18.69	73.961	PASS
Band5	1.4	20643	1	#0	QPSK	23.44	-1.84	21.6	19.45	88.105	PASS
Band5	1.4	20643	1	#Mid	QPSK	23.58	-1.84	21.74	19.59	90.991	PASS
Band5	1.4	20643	1	#Max	QPSK	23.41	-1.84	21.57	19.42	87.498	PASS
Band5	1.4	20643	3	#0	QPSK	23.52	-1.84	21.68	19.53	89.743	PASS
Band5	1.4	20643	3	#Mid	QPSK	23.51	-1.84	21.67	19.52	89.536	PASS
Band5	1.4	20643	3	#Max	QPSK	23.49	-1.84	21.65	19.5	89.125	PASS
Band5	1.4	20643	6	#0	QPSK	22.6	-1.84	20.76	18.61	72.611	PASS
Band5	3	20415	1	#0	QPSK	23.46	-1.84	21.62	19.47	88.512	PASS
Band5	3	20415	1	#Mid	QPSK	23.49	-1.84	21.65	19.5	89.125	PASS
Band5	3	20415	1	#Max	QPSK	23.48	-1.84	21.64	19.49	88.920	PASS
Band5	3	20415	8	#0	QPSK	22.52	-1.84	20.68	18.53	71.285	PASS
Band5	3	20415	8	#Mid	QPSK	22.54	-1.84	20.7	18.55	71.614	PASS
Band5	3	20415	8	#Max	QPSK	22.51	-1.84	20.67	18.52	71.121	PASS
Band5	3	20415	15	#0	QPSK	22.53	-1.84	20.69	18.54	71.450	PASS
Band5	3	20525	1	#0	QPSK	23.62	-1.84	21.78	19.63	91.833	PASS
Band5	3	20525	1	#Mid	QPSK	23.62	-1.84	21.78	19.63	91.833	PASS
Band5	3	20525	1	#Max	QPSK	23.63	-1.84	21.79	19.64	92.045	PASS
Band5	3	20525	8	#0	QPSK	22.66	-1.84	20.82	18.67	73.621	PASS
Band5	3	20525	8	#Mid	QPSK	22.7	-1.84	20.86	18.71	74.302	PASS
Band5	3	20525	8	#Max	QPSK	22.67	-1.84	20.83	18.68	73.790	PASS
Band5	3	20525	15	#0	QPSK	22.66	-1.84	20.82	18.67	73.621	PASS
Band5	3	20525	1	#0	QPSK	23.62	-1.84	21.78	19.63	91.833	PASS
Band5	3	20525	1	#Mid	QPSK	23.62	-1.84	21.78	19.63	91.833	PASS
Band5	3	20525	1	#Max	QPSK	23.63	-1.84	21.79	19.64	92.045	PASS
Band5	3	20525	8	#0	QPSK	22.66	-1.84	20.82	18.67	73.621	PASS
Band5	3	20525	8	#Mid	QPSK	22.7	-1.84	20.86	18.71	74.302	PASS
Band5	3	20525	8	#Max	QPSK	22.67	-1.84	20.83	18.68	73.790	PASS
Band5	3	20525	15	#0	QPSK	22.66	-1.84	20.82	18.67	73.621	PASS
Band5	1.4	20643	1	#0	QPSK	23.44	-1.84	21.6	19.45	88.105	PASS
Band5	1.4	20643	1	#Mid	QPSK	23.58	-1.84	21.74	19.59	90.991	PASS
Band5	1.4	20643	1	#Max	QPSK	23.41	-1.84	21.57	19.42	87.498	PASS
Band5	1.4	20643	3	#0	QPSK	23.52	-1.84	21.68	19.53	89.743	PASS
Band5	1.4	20643	3	#Mid	QPSK	23.51	-1.84	21.67	19.52	89.536	PASS
Band5	1.4	20643	3	#Max	QPSK	23.49	-1.84	21.65	19.5	89.125	PASS
Band5	1.4	20643	6	#0	QPSK	22.6	-1.84	20.76	18.61	72.611	PASS
Band5	3	20415	1	#0	QPSK	23.46	-1.84	21.62	19.47	88.512	PASS
Band5	3	20415	1	#Mid	QPSK	23.49	-1.84	21.65	19.5	89.125	PASS
Band5	3	20415	1	#Max	QPSK	23.48	-1.84	21.64	19.49	88.920	PASS
Band5	3	20415	8	#0	QPSK	22.52	-1.84	20.68	18.53	71.285	PASS
Band5	3	20415	8	#Mid	QPSK	22.54	-1.84	20.7	18.55	71.614	PASS
Band5	3	20415	8	#Max	QPSK	22.51	-1.84	20.67	18.52	71.121	PASS
Band5	3	20415	15	#0	QPSK	22.53	-1.84	20.69	18.54	71.450	PASS

Band5	3	20525	1	#0	QPSK	23.62	-1.84	21.78	19.63	91.833	PASS
Band5	3	20525	1	#Mid	QPSK	23.62	-1.84	21.78	19.63	91.833	PASS
Band5	3	20525	1	#Max	QPSK	23.63	-1.84	21.79	19.64	92.045	PASS
Band5	3	20525	8	#0	QPSK	22.66	-1.84	20.82	18.67	73.621	PASS
Band5	3	20525	8	#Mid	QPSK	22.7	-1.84	20.86	18.71	74.302	PASS
Band5	3	20525	8	#Max	QPSK	22.67	-1.84	20.83	18.68	73.790	PASS
Band5	3	20525	15	#0	QPSK	22.66	-1.84	20.82	18.67	73.621	PASS
Band5	3	20635	1	#0	QPSK	23.54	-1.84	21.7	19.55	90.157	PASS
Band5	3	20635	1	#Mid	QPSK	23.53	-1.84	21.69	19.54	89.950	PASS
Band5	3	20635	1	#Max	QPSK	23.45	-1.84	21.61	19.46	88.308	PASS
Band5	3	20635	8	#0	QPSK	22.61	-1.84	20.77	18.62	72.778	PASS
Band5	3	20635	8	#Mid	QPSK	22.58	-1.84	20.74	18.59	72.277	PASS
Band5	3	20635	8	#Max	QPSK	22.56	-1.84	20.72	18.57	71.945	PASS
Band5	3	20635	15	#0	QPSK	22.58	-1.84	20.74	18.59	72.277	PASS
Band5	5	20425	1	#0	QPSK	23.34	-1.84	21.5	19.35	86.099	PASS
Band5	5	20425	1	#Mid	QPSK	23.47	-1.84	21.63	19.48	88.716	PASS
Band5	5	20425	1	#Max	QPSK	23.44	-1.84	21.6	19.45	88.105	PASS
Band5	5	20425	12	#0	QPSK	22.55	-1.84	20.71	18.56	71.779	PASS
Band5	5	20425	12	#Mid	QPSK	22.56	-1.84	20.72	18.57	71.945	PASS
Band5	5	20425	12	#Max	QPSK	22.53	-1.84	20.69	18.54	71.450	PASS
Band5	5	20425	25	#0	QPSK	22.52	-1.84	20.68	18.53	71.285	PASS
Band5	5	20525	1	#0	QPSK	23.54	-1.84	21.7	19.55	90.157	PASS
Band5	5	20525	1	#Mid	QPSK	23.62	-1.84	21.78	19.63	91.833	PASS
Band5	5	20525	1	#Max	QPSK	23.5	-1.84	21.66	19.51	89.331	PASS
Band5	5	20525	12	#0	QPSK	22.64	-1.84	20.8	18.65	73.282	PASS
Band5	5	20525	12	#Mid	QPSK	22.72	-1.84	20.88	18.73	74.645	PASS
Band5	5	20525	12	#Max	QPSK	22.72	-1.84	20.88	18.73	74.645	PASS
Band5	5	20525	25	#0	QPSK	22.68	-1.84	20.84	18.69	73.961	PASS
Band5	5	20625	1	#0	QPSK	23.5	-1.84	21.66	19.51	89.331	PASS
Band5	5	20625	1	#Mid	QPSK	23.54	-1.84	21.7	19.55	90.157	PASS
Band5	5	20625	1	#Max	QPSK	23.36	-1.84	21.52	19.37	86.497	PASS
Band5	5	20625	12	#0	QPSK	22.69	-1.84	20.85	18.7	74.131	PASS
Band5	5	20625	12	#Mid	QPSK	22.64	-1.84	20.8	18.65	73.282	PASS
Band5	5	20625	12	#Max	QPSK	22.53	-1.84	20.69	18.54	71.450	PASS
Band5	5	20625	25	#0	QPSK	22.62	-1.84	20.78	18.63	72.946	PASS
Band5	10	20450	1	#0	QPSK	23.48	-1.84	21.64	19.49	88.920	PASS
Band5	10	20450	1	#Mid	QPSK	23.63	-1.84	21.79	19.64	92.045	PASS
Band5	10	20450	1	#Max	QPSK	23.57	-1.84	21.73	19.58	90.782	PASS
Band5	10	20450	25	#0	QPSK	22.62	-1.84	20.78	18.63	72.946	PASS
Band5	10	20450	25	#Mid	QPSK	22.59	-1.84	20.75	18.6	72.444	PASS
Band5	10	20450	25	#Max	QPSK	22.65	-1.84	20.81	18.66	73.451	PASS
Band5	10	20450	50	#0	QPSK	22.66	-1.84	20.82	18.67	73.621	PASS
Band5	10	20525	1	#0	QPSK	23.57	-1.84	21.73	19.58	90.782	PASS
Band5	10	20525	1	#Mid	QPSK	23.72	-1.84	21.88	19.73	**93.972**	PASS
Band5	10	20525	1	#Max	QPSK	23.57	-1.84	21.73	19.58	90.782	PASS
Band5	10	20525	25	#0	QPSK	22.66	-1.84	20.82	18.67	73.621	PASS
Band5	10	20525	25	#Mid	QPSK	22.7	-1.84	20.86	18.71	74.302	PASS
Band5	10	20525	25	#Max	QPSK	22.77	-1.84	20.93	18.78	75.509	PASS
Band5	10	20525	50	#0	QPSK	22.72	-1.84	20.88	18.73	74.645	PASS
Band5	10	20600	1	#0	QPSK	23.64	-1.84	21.8	19.65	92.257	PASS
Band5	10	20600	1	#Mid	QPSK	23.65	-1.84	21.81	19.66	92.470	PASS
Band5	10	20600	1	#Max	QPSK	23.42	-1.84	21.58	19.43	87.700	PASS
Band5	10	20600	25	#0	QPSK	22.77	-1.84	20.93	18.78	75.509	PASS
Band5	10	20600	25	#Mid	QPSK	22.67	-1.84	20.83	18.68	73.790	PASS
Band5	10	20600	25	#Max	QPSK	22.56	-1.84	20.72	18.57	71.945	PASS
Band5	10	20600	50	#0	QPSK	22.68	-1.84	20.84	18.69	73.961	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Antenna gain(dBi)	EIRP power (dBm)	ERP power (dBm)	ERP power (mW)	Verdict
Band5	1.4	20407	1	#0	QAM16	22.75	-1.84	20.91	18.76	75.162	PASS
Band5	1.4	20407	1	#Mid	QAM16	22.91	-1.84	21.07	18.92	77.983	PASS
Band5	1.4	20407	1	#Max	QAM16	22.68	-1.84	20.84	18.69	73.961	PASS
Band5	1.4	20407	3	#0	QAM16	22.52	-1.84	20.68	18.53	71.285	PASS
Band5	1.4	20407	3	#Mid	QAM16	22.59	-1.84	20.75	18.6	72.444	PASS
Band5	1.4	20407	3	#Max	QAM16	22.54	-1.84	20.7	18.55	71.614	PASS
Band5	1.4	20407	6	#0	QAM16	21.63	-1.84	19.79	17.64	58.076	PASS
Band5	1.4	20525	1	#0	QAM16	22.79	-1.84	20.95	18.8	75.858	PASS
Band5	1.4	20525	1	#Mid	QAM16	23	-1.84	21.16	19.01	79.616	PASS
Band5	1.4	20525	1	#Max	QAM16	22.81	-1.84	20.97	18.82	76.208	PASS
Band5	1.4	20525	3	#0	QAM16	22.63	-1.84	20.79	18.64	73.114	PASS
Band5	1.4	20525	3	#Mid	QAM16	22.68	-1.84	20.84	18.69	73.961	PASS
Band5	1.4	20525	3	#Max	QAM16	22.73	-1.84	20.89	18.74	74.817	PASS
Band5	1.4	20525	6	#0	QAM16	21.74	-1.84	19.9	17.75	59.566	PASS
Band5	1.4	20643	1	#0	QAM16	22.67	-1.84	20.83	18.68	73.790	PASS
Band5	1.4	20643	1	#Mid	QAM16	22.89	-1.84	21.05	18.9	77.625	PASS
Band5	1.4	20643	1	#Max	QAM16	22.7	-1.84	20.86	18.71	74.302	PASS
Band5	1.4	20643	3	#0	QAM16	22.54	-1.84	20.7	18.55	71.614	PASS
Band5	1.4	20643	3	#Mid	QAM16	22.52	-1.84	20.68	18.53	71.285	PASS
Band5	1.4	20643	3	#Max	QAM16	22.53	-1.84	20.69	18.54	71.450	PASS
Band5	1.4	20643	6	#0	QAM16	21.67	-1.84	19.83	17.68	58.614	PASS
Band5	3	20415	1	#0	QAM16	22.66	-1.84	20.82	18.67	73.621	PASS
Band5	3	20415	1	#Mid	QAM16	22.83	-1.84	20.99	18.84	76.560	PASS
Band5	3	20415	1	#Max	QAM16	22.74	-1.84	20.9	18.75	74.989	PASS
Band5	3	20415	8	#0	QAM16	21.6	-1.84	19.76	17.61	57.677	PASS
Band5	3	20415	8	#Mid	QAM16	21.64	-1.84	19.8	17.65	58.210	PASS
Band5	3	20415	8	#Max	QAM16	21.58	-1.84	19.74	17.59	57.412	PASS
Band5	3	20415	15	#0	QAM16	21.53	-1.84	19.69	17.54	56.754	PASS
Band5	3	20525	1	#0	QAM16	23.01	-1.84	21.17	19.02	79.799	PASS
Band5	3	20525	1	#Mid	QAM16	22.92	-1.84	21.08	18.93	78.163	PASS
Band5	3	20525	1	#Max	QAM16	22.92	-1.84	21.08	18.93	78.163	PASS
Band5	3	20525	8	#0	QAM16	21.74	-1.84	19.9	17.75	59.566	PASS
Band5	3	20525	8	#Mid	QAM16	21.76	-1.84	19.92	17.77	59.841	PASS
Band5	3	20525	8	#Max	QAM16	21.73	-1.84	19.89	17.74	59.429	PASS
Band5	3	20525	15	#0	QAM16	21.67	-1.84	19.83	17.68	58.614	PASS
Band5	3	20525	1	#0	QAM16	23.01	-1.84	21.17	19.02	79.799	PASS
Band5	3	20525	1	#Mid	QAM16	22.92	-1.84	21.08	18.93	78.163	PASS
Band5	3	20525	1	#Max	QAM16	22.92	-1.84	21.08	18.93	78.163	PASS
Band5	3	20525	8	#0	QAM16	21.74	-1.84	19.9	17.75	59.566	PASS
Band5	3	20525	8	#Mid	QAM16	21.76	-1.84	19.92	17.77	59.841	PASS
Band5	3	20525	8	#Max	QAM16	21.73	-1.84	19.89	17.74	59.429	PASS
Band5	3	20525	15	#0	QAM16	21.67	-1.84	19.83	17.68	58.614	PASS
Band5	1.4	20643	1	#0	QAM16	22.67	-1.84	20.83	18.68	73.790	PASS
Band5	1.4	20643	1	#Mid	QAM16	22.89	-1.84	21.05	18.9	77.625	PASS
Band5	1.4	20643	1	#Max	QAM16	22.7	-1.84	20.86	18.71	74.302	PASS
Band5	1.4	20643	3	#0	QAM16	22.54	-1.84	20.7	18.55	71.614	PASS
Band5	1.4	20643	3	#Mid	QAM16	22.52	-1.84	20.68	18.53	71.285	PASS
Band5	1.4	20643	3	#Max	QAM16	22.53	-1.84	20.69	18.54	71.450	PASS
Band5	1.4	20643	6	#0	QAM16	21.67	-1.84	19.83	17.68	58.614	PASS
Band5	3	20415	1	#0	QAM16	22.66	-1.84	20.82	18.67	73.621	PASS
Band5	3	20415	1	#Mid	QAM16	22.83	-1.84	20.99	18.84	76.560	PASS
Band5	3	20415	1	#Max	QAM16	22.74	-1.84	20.9	18.75	74.989	PASS
Band5	3	20415	8	#0	QAM16	21.6	-1.84	19.76	17.61	57.677	PASS
Band5	3	20415	8	#Mid	QAM16	21.64	-1.84	19.8	17.65	58.210	PASS
Band5	3	20415	8	#Max	QAM16	21.58	-1.84	19.74	17.59	57.412	PASS
Band5	3	20415	15	#0	QAM16	21.53	-1.84	19.69	17.54	56.754	PASS

Band5	3	20525	1	#0	QAM16	23.01	-1.84	21.17	19.02	79.799	PASS
Band5	3	20525	1	#Mid	QAM16	22.92	-1.84	21.08	18.93	78.163	PASS
Band5	3	20525	1	#Max	QAM16	22.92	-1.84	21.08	18.93	78.163	PASS
Band5	3	20525	8	#0	QAM16	21.74	-1.84	19.9	17.75	59.566	PASS
Band5	3	20525	8	#Mid	QAM16	21.76	-1.84	19.92	17.77	59.841	PASS
Band5	3	20525	8	#Max	QAM16	21.73	-1.84	19.89	17.74	59.429	PASS
Band5	3	20525	15	#0	QAM16	21.67	-1.84	19.83	17.68	58.614	PASS
Band5	3	20635	1	#0	QAM16	22.83	-1.84	20.99	18.84	76.560	PASS
Band5	3	20635	1	#Mid	QAM16	22.82	-1.84	20.98	18.83	76.384	PASS
Band5	3	20635	1	#Max	QAM16	22.82	-1.84	20.98	18.83	76.384	PASS
Band5	3	20635	8	#0	QAM16	21.67	-1.84	19.83	17.68	58.614	PASS
Band5	3	20635	8	#Mid	QAM16	21.64	-1.84	19.8	17.65	58.210	PASS
Band5	3	20635	8	#Max	QAM16	21.57	-1.84	19.73	17.58	57.280	PASS
Band5	3	20635	15	#0	QAM16	21.57	-1.84	19.73	17.58	57.280	PASS
Band5	5	20425	1	#0	QAM16	22.74	-1.84	20.9	18.75	74.989	PASS
Band5	5	20425	1	#Mid	QAM16	22.75	-1.84	20.91	18.76	75.162	PASS
Band5	5	20425	1	#Max	QAM16	22.79	-1.84	20.95	18.8	75.858	PASS
Band5	5	20425	12	#0	QAM16	21.54	-1.84	19.7	17.55	56.885	PASS
Band5	5	20425	12	#Mid	QAM16	21.57	-1.84	19.73	17.58	57.280	PASS
Band5	5	20425	12	#Max	QAM16	21.54	-1.84	19.7	17.55	56.885	PASS
Band5	5	20425	25	#0	QAM16	21.54	-1.84	19.7	17.55	56.885	PASS
Band5	5	20525	1	#0	QAM16	22.79	-1.84	20.95	18.8	75.858	PASS
Band5	5	20525	1	#Mid	QAM16	23.02	-1.84	21.18	19.03	**79.983**	PASS
Band5	5	20525	1	#Max	QAM16	22.88	-1.84	21.04	18.89	77.446	PASS
Band5	5	20525	12	#0	QAM16	21.65	-1.84	19.81	17.66	58.345	PASS
Band5	5	20525	12	#Mid	QAM16	21.74	-1.84	19.9	17.75	59.566	PASS
Band5	5	20525	12	#Max	QAM16	21.71	-1.84	19.87	17.72	59.156	PASS
Band5	5	20525	25	#0	QAM16	21.7	-1.84	19.86	17.71	59.020	PASS
Band5	5	20625	1	#0	QAM16	22.73	-1.84	20.89	18.74	74.817	PASS
Band5	5	20625	1	#Mid	QAM16	22.84	-1.84	21	18.85	76.736	PASS
Band5	5	20625	1	#Max	QAM16	22.56	-1.84	20.72	18.57	71.945	PASS
Band5	5	20625	12	#0	QAM16	21.67	-1.84	19.83	17.68	58.614	PASS
Band5	5	20625	12	#Mid	QAM16	21.6	-1.84	19.76	17.61	57.677	PASS
Band5	5	20625	12	#Max	QAM16	21.53	-1.84	19.69	17.54	56.754	PASS
Band5	5	20625	25	#0	QAM16	21.62	-1.84	19.78	17.63	57.943	PASS
Band5	10	20450	1	#0	QAM16	22.77	-1.84	20.93	18.78	75.509	PASS
Band5	10	20450	1	#Mid	QAM16	22.95	-1.84	21.11	18.96	78.705	PASS
Band5	10	20450	1	#Max	QAM16	22.94	-1.84	21.1	18.95	78.524	PASS
Band5	10	20450	25	#0	QAM16	21.66	-1.84	19.82	17.67	58.479	PASS
Band5	10	20450	25	#Mid	QAM16	21.62	-1.84	19.78	17.63	57.943	PASS
Band5	10	20450	25	#Max	QAM16	21.69	-1.84	19.85	17.7	58.884	PASS
Band5	10	20450	50	#0	QAM16	21.66	-1.84	19.82	17.67	58.479	PASS
Band5	10	20525	1	#0	QAM16	22.9	-1.84	21.06	18.91	77.804	PASS
Band5	10	20525	1	#Mid	QAM16	22.98	-1.84	21.14	18.99	79.250	PASS
Band5	10	20525	1	#Max	QAM16	22.88	-1.84	21.04	18.89	77.446	PASS
Band5	10	20525	25	#0	QAM16	21.68	-1.84	19.84	17.69	58.749	PASS
Band5	10	20525	25	#Mid	QAM16	21.73	-1.84	19.89	17.74	59.429	PASS
Band5	10	20525	25	#Max	QAM16	21.78	-1.84	19.94	17.79	60.117	PASS
Band5	10	20525	50	#0	QAM16	21.74	-1.84	19.9	17.75	59.566	PASS
Band5	10	20600	1	#0	QAM16	22.94	-1.84	21.1	18.95	78.524	PASS
Band5	10	20600	1	#Mid	QAM16	22.89	-1.84	21.05	18.9	77.625	PASS
Band5	10	20600	1	#Max	QAM16	22.74	-1.84	20.9	18.75	74.989	PASS
Band5	10	20600	25	#0	QAM16	21.77	-1.84	19.93	17.78	59.979	PASS
Band5	10	20600	25	#Mid	QAM16	21.69	-1.84	19.85	17.7	58.884	PASS
Band5	10	20600	25	#Max	QAM16	21.58	-1.84	19.74	17.59	57.412	PASS
Band5	10	20600	50	#0	QAM16	21.68	-1.84	19.84	17.69	58.749	PASS

Note:
Max. EIRP Average (dBm)= Conducted power + Antenna Gain
ERP(dBm)=EIRP-2.15

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Antenna gain(dBi)	EIRP power (dBm)	ERP power (mW)	Verdict
Band7	5	20775	1	#0	QPSK	23.9	2.22	26.12	409.261	PASS
Band7	5	20775	1	#Mid	QPSK	24.11	2.22	26.33	429.536	PASS
Band7	5	20775	1	#Max	QPSK	23.98	2.22	26.2	416.869	PASS
Band7	5	20775	12	#0	QPSK	23.07	2.22	25.29	338.065	PASS
Band7	5	20775	12	#Mid	QPSK	23.18	2.22	25.4	346.737	PASS
Band7	5	20775	12	#Max	QPSK	23.14	2.22	25.36	343.558	PASS
Band7	5	20775	25	#0	QPSK	23.13	2.22	25.35	342.768	PASS
Band7	5	21100	1	#0	QPSK	24.14	2.22	26.36	432.514	PASS
Band7	5	21100	1	#Mid	QPSK	24.29	2.22	26.51	447.713	PASS
Band7	5	21100	1	#Max	QPSK	24.13	2.22	26.35	431.519	PASS
Band7	5	21100	12	#0	QPSK	23.34	2.22	25.56	359.749	PASS
Band7	5	21100	12	#Mid	QPSK	23.37	2.22	25.59	362.243	PASS
Band7	5	21100	12	#Max	QPSK	23.33	2.22	25.55	358.922	PASS
Band7	5	21100	25	#0	QPSK	23.36	2.22	25.58	361.410	PASS
Band7	5	21425	1	#0	QPSK	24.26	2.22	26.48	444.631	PASS
Band7	5	21425	1	#Mid	QPSK	24.4	2.22	26.62	459.198	PASS
Band7	5	21425	1	#Max	QPSK	24.21	2.22	26.43	439.542	PASS
Band7	5	21425	12	#0	QPSK	23.46	2.22	25.68	369.828	PASS
Band7	5	21425	12	#Mid	QPSK	23.5	2.22	25.72	373.250	PASS
Band7	5	21425	12	#Max	QPSK	23.4	2.22	25.62	364.754	PASS
Band7	5	21425	25	#0	QPSK	23.45	2.22	25.67	368.978	PASS
Band7	10	20800	1	#0	QPSK	23.97	2.22	26.19	415.911	PASS
Band7	10	20800	1	#Mid	QPSK	24.2	2.22	26.42	438.531	PASS
Band7	10	20800	1	#Max	QPSK	24.08	2.22	26.3	426.580	PASS
Band7	10	20800	25	#0	QPSK	23.13	2.22	25.35	342.768	PASS
Band7	10	20800	25	#Mid	QPSK	23.23	2.22	25.45	350.752	PASS
Band7	10	20800	25	#Max	QPSK	23.3	2.22	25.52	356.451	PASS
Band7	10	20800	50	#0	QPSK	23.23	2.22	25.45	350.752	PASS
Band7	10	21100	1	#0	QPSK	24.19	2.22	26.41	437.522	PASS
Band7	10	21100	1	#Mid	QPSK	24.4	2.22	26.62	459.198	PASS
Band7	10	21100	1	#Max	QPSK	24.19	2.22	26.41	437.522	PASS
Band7	10	21100	25	#0	QPSK	23.39	2.22	25.61	363.915	PASS
Band7	10	21100	25	#Mid	QPSK	23.39	2.22	25.61	363.915	PASS
Band7	10	21100	25	#Max	QPSK	23.37	2.22	25.59	362.243	PASS
Band7	10	21100	50	#0	QPSK	23.39	2.22	25.61	363.915	PASS
Band7	10	21400	1	#0	QPSK	24.39	2.22	26.61	458.142	PASS
Band7	10	21400	1	#Mid	QPSK	24.5	2.22	26.72	**469.894**	PASS
Band7	10	21400	1	#Max	QPSK	24.27	2.22	26.49	445.656	PASS
Band7	10	21400	25	#0	QPSK	23.53	2.22	25.75	375.837	PASS
Band7	10	21400	25	#Mid	QPSK	23.51	2.22	25.73	374.111	PASS
Band7	10	21400	25	#Max	QPSK	23.49	2.22	25.71	372.392	PASS
Band7	10	21400	50	#0	QPSK	23.5	2.22	25.72	373.250	PASS
Band7	15	20825	1	#0	QPSK	23.94	2.22	26.16	413.048	PASS
Band7	15	20825	1	#Mid	QPSK	24.16	2.22	26.38	434.510	PASS
Band7	15	20825	1	#Max	QPSK	23.91	2.22	26.13	410.204	PASS
Band7	15	20825	36	#0	QPSK	23.16	2.22	25.38	345.144	PASS
Band7	15	20825	36	#Mid	QPSK	23.27	2.22	25.49	353.997	PASS
Band7	15	20825	36	#Max	QPSK	23.26	2.22	25.48	353.183	PASS
Band7	15	20825	75	#0	QPSK	23.22	2.22	25.44	349.945	PASS
Band7	15	21100	1	#0	QPSK	24.1	2.22	26.32	428.549	PASS
Band7	15	21100	1	#Mid	QPSK	24.3	2.22	26.52	448.745	PASS
Band7	15	21100	1	#Max	QPSK	24.1	2.22	26.32	428.549	PASS
Band7	15	21100	36	#0	QPSK	23.36	2.22	25.58	361.410	PASS
Band7	15	21100	36	#Mid	QPSK	23.4	2.22	25.62	364.754	PASS
Band7	15	21100	36	#Max	QPSK	23.36	2.22	25.58	361.410	PASS
Band7	15	21100	75	#0	QPSK	23.36	2.22	25.58	361.410	PASS
Band7	15	21375	1	#0	QPSK	24.26	2.22	26.48	444.631	PASS
Band7	15	21375	1	#Mid	QPSK	24.46	2.22	26.68	465.586	PASS
Band7	15	21375	1	#Max	QPSK	24.2	2.22	26.42	438.531	PASS
Band7	15	21375	36	#0	QPSK	23.49	2.22	25.71	372.392	PASS
Band7	15	21375	36	#Mid	QPSK	23.53	2.22	25.75	375.837	PASS
Band7	15	21375	36	#Max	QPSK	23.49	2.22	25.71	372.392	PASS
Band7	15	21375	75	#0	QPSK	23.47	2.22	25.69	370.681	PASS
Band7	20	20850	1	#0	QPSK	23.74	2.22	25.96	394.457	PASS
Band7	20	20850	1	#Mid	QPSK	24.26	2.22	26.48	444.631	PASS
Band7	20	20850	1	#Max	QPSK	23.63	2.22	25.85	384.592	PASS
Band7	20	20850	50	#0	QPSK	23.1	2.22	25.32	340.408	PASS
Band7	20	20850	50	#Mid	QPSK	23.21	2.22	25.43	349.140	PASS

Band7	20	20850	50	#Max	QPSK	23.21	2.22	25.43	349.140	PASS
Band7	20	20850	100	#0	QPSK	23.14	2.22	25.36	343.558	PASS
Band7	20	21100	1	#0	QPSK	23.84	2.22	26.06	403.645	PASS
Band7	20	21100	1	#Mid	QPSK	24.39	2.22	26.61	458.142	PASS
Band7	20	21100	1	#Max	QPSK	23.88	2.22	26.1	407.380	PASS
Band7	20	21100	50	#0	QPSK	23.3	2.22	25.52	356.451	PASS
Band7	20	21100	50	#Mid	QPSK	23.41	2.22	25.63	365.595	PASS
Band7	20	21100	50	#Max	QPSK	23.38	2.22	25.6	363.078	PASS
Band7	20	21100	100	#0	QPSK	23.32	2.22	25.54	358.096	PASS
Band7	20	21350	1	#0	QPSK	24.03	2.22	26.25	421.697	PASS
Band7	20	21350	1	#Mid	QPSK	24.47	2.22	26.69	466.659	PASS
Band7	20	21350	1	#Max	QPSK	24.02	2.22	26.24	420.727	PASS
Band7	20	21350	50	#0	QPSK	23.43	2.22	25.65	367.282	PASS
Band7	20	21350	50	#Mid	QPSK	23.54	2.22	25.76	376.704	PASS
Band7	20	21350	50	#Max	QPSK	23.48	2.22	25.7	371.535	PASS
Band7	20	21350	100	#0	QPSK	23.45	2.22	25.67	368.978	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Antenna gain(dBi)	EIRP power (dBm)	EIRP power (mW)	Verdict
Band7	5	20775	1	#0	QAM16	23.18	2.22	25.4	346.737	PASS
Band7	5	20775	1	#Mid	QAM16	23.36	2.22	25.58	361.410	PASS
Band7	5	20775	1	#Max	QAM16	23.31	2.22	25.53	357.273	PASS
Band7	5	20775	12	#0	QAM16	22.05	2.22	24.27	267.301	PASS
Band7	5	20775	12	#Mid	QAM16	22.14	2.22	24.36	272.898	PASS
Band7	5	20775	12	#Max	QAM16	22.16	2.22	24.38	274.157	PASS
Band7	5	20775	25	#0	QAM16	22.13	2.22	24.35	272.270	PASS
Band7	5	21100	1	#0	QAM16	23.46	2.22	25.68	369.828	PASS
Band7	5	21100	1	#Mid	QAM16	23.59	2.22	25.81	381.066	PASS
Band7	5	21100	1	#Max	QAM16	23.48	2.22	25.7	371.535	PASS
Band7	5	21100	12	#0	QAM16	22.34	2.22	24.56	285.759	PASS
Band7	5	21100	12	#Mid	QAM16	22.4	2.22	24.62	289.734	PASS
Band7	5	21100	12	#Max	QAM16	22.35	2.22	24.57	286.418	PASS
Band7	5	21100	25	#0	QAM16	22.34	2.22	24.56	285.759	PASS
Band7	5	21425	1	#0	QAM16	23.49	2.22	25.71	372.392	PASS
Band7	5	21425	1	#Mid	QAM16	23.71	2.22	25.93	391.742	PASS
Band7	5	21425	1	#Max	QAM16	23.43	2.22	25.65	367.282	PASS
Band7	5	21425	12	#0	QAM16	22.41	2.22	24.63	290.402	PASS
Band7	5	21425	12	#Mid	QAM16	22.46	2.22	24.68	293.765	PASS
Band7	5	21425	12	#Max	QAM16	22.38	2.22	24.6	288.403	PASS
Band7	5	21425	25	#0	QAM16	22.45	2.22	24.67	293.089	PASS
Band7	10	20800	1	#0	QAM16	23.31	2.22	25.53	357.273	PASS
Band7	10	20800	1	#Mid	QAM16	23.56	2.22	25.78	378.443	PASS
Band7	10	20800	1	#Max	QAM16	23.33	2.22	25.55	358.922	PASS
Band7	10	20800	25	#0	QAM16	22.14	2.22	24.36	272.898	PASS
Band7	10	20800	25	#Mid	QAM16	22.23	2.22	24.45	278.612	PASS
Band7	10	20800	25	#Max	QAM16	22.3	2.22	24.52	283.139	PASS
Band7	10	20800	50	#0	QAM16	22.21	2.22	24.43	277.332	PASS
Band7	10	21100	1	#0	QAM16	23.49	2.22	25.71	372.392	PASS
Band7	10	21100	1	#Mid	QAM16	23.7	2.22	25.92	390.841	PASS
Band7	10	21100	1	#Max	QAM16	23.41	2.22	25.63	365.595	PASS
Band7	10	21100	25	#0	QAM16	22.39	2.22	24.61	289.068	PASS
Band7	10	21100	25	#Mid	QAM16	22.38	2.22	24.6	288.403	PASS
Band7	10	21100	25	#Max	QAM16	22.39	2.22	24.61	289.068	PASS
Band7	10	21100	50	#0	QAM16	22.39	2.22	24.61	289.068	PASS
Band7	10	21400	1	#0	QAM16	23.63	2.22	25.85	384.592	PASS
Band7	10	21400	1	#Mid	QAM16	23.69	2.22	25.91	389.942	PASS
Band7	10	21400	1	#Max	QAM16	23.56	2.22	25.78	378.443	PASS
Band7	10	21400	25	#0	QAM16	22.55	2.22	24.77	299.916	PASS
Band7	10	21400	25	#Mid	QAM16	22.5	2.22	24.72	296.483	PASS
Band7	10	21400	25	#Max	QAM16	22.5	2.22	24.72	296.483	PASS
Band7	10	21400	50	#0	QAM16	22.48	2.22	24.7	295.121	PASS
Band7	15	20825	1	#0	QAM16	23.25	2.22	25.47	352.371	PASS
Band7	15	20825	1	#Mid	QAM16	23.39	2.22	25.61	363.915	PASS
Band7	15	20825	1	#Max	QAM16	23.15	2.22	25.37	344.350	PASS
Band7	15	20825	36	#0	QAM16	22.13	2.22	24.35	272.270	PASS
Band7	15	20825	36	#Mid	QAM16	22.23	2.22	24.45	278.612	PASS
Band7	15	20825	36	#Max	QAM16	22.22	2.22	24.44	277.971	PASS
Band7	15	20825	75	#0	QAM16	22.21	2.22	24.43	277.332	PASS
Band7	15	21100	1	#0	QAM16	23.43	2.22	25.65	367.282	PASS
Band7	15	21100	1	#Mid	QAM16	23.66	2.22	25.88	387.258	PASS
Band7	15	21100	1	#Max	QAM16	23.33	2.22	25.55	358.922	PASS
Band7	15	21100	36	#0	QAM16	22.34	2.22	24.56	285.759	PASS
Band7	15	21100	36	#Mid	QAM16	22.37	2.22	24.59	287.740	PASS
Band7	15	21100	36	#Max	QAM16	22.33	2.22	24.55	285.102	PASS
Band7	15	21100	75	#0	QAM16	22.34	2.22	24.56	285.759	PASS
Band7	15	21375	1	#0	QAM16	23.62	2.22	25.84	383.707	PASS
Band7	15	21375	1	#Mid	QAM16	23.76	2.22	25.98	396.278	PASS
Band7	15	21375	1	#Max	QAM16	23.47	2.22	25.69	370.681	PASS
Band7	15	21375	36	#0	QAM16	22.45	2.22	24.67	293.089	PASS
Band7	15	21375	36	#Mid	QAM16	22.5	2.22	24.72	296.483	PASS
Band7	15	21375	36	#Max	QAM16	22.46	2.22	24.68	293.765	PASS
Band7	15	21375	75	#0	QAM16	22.48	2.22	24.7	295.121	PASS
Band7	20	20850	1	#0	QAM16	22.99	2.22	25.21	331.894	PASS
Band7	20	20850	1	#Mid	QAM16	23.55	2.22	25.77	377.572	PASS
Band7	20	20850	1	#Max	QAM16	23	2.22	25.22	332.660	PASS
Band7	20	20850	50	#0	QAM16	22.12	2.22	24.34	271.644	PASS
Band7	20	20850	50	#Mid	QAM16	22.21	2.22	24.43	277.332	PASS
Band7	20	20850	50	#Max	QAM16	22.19	2.22	24.41	276.058	PASS

Band7	20	20850	100	#0	QAM16	22.14	2.22	24.36	272.898	PASS
Band7	20	21100	1	#0	QAM16	23.2	2.22	25.42	348.337	PASS
Band7	20	21100	1	#Mid	QAM16	23.6	2.22	25.82	381.944	PASS
Band7	20	21100	1	#Max	QAM16	23.24	2.22	25.46	351.560	PASS
Band7	20	21100	50	#0	QAM16	22.31	2.22	24.53	283.792	PASS
Band7	20	21100	50	#Mid	QAM16	22.4	2.22	24.62	289.734	PASS
Band7	20	21100	50	#Max	QAM16	22.33	2.22	24.55	285.102	PASS
Band7	20	21100	100	#0	QAM16	22.32	2.22	24.54	284.446	PASS
Band7	20	21350	1	#0	QAM16	23.33	2.22	25.55	358.922	PASS
Band7	20	21350	1	#Mid	QAM16	23.86	2.22	26.08	**405.509**	PASS
Band7	20	21350	1	#Max	QAM16	23.27	2.22	25.49	353.997	PASS
Band7	20	21350	50	#0	QAM16	22.44	2.22	24.66	292.415	PASS
Band7	20	21350	50	#Mid	QAM16	22.53	2.22	24.75	298.538	PASS
Band7	20	21350	50	#Max	QAM16	22.46	2.22	24.68	293.765	PASS
Band7	20	21350	100	#0	QAM16	22.44	2.22	24.66	292.415	PASS

Note:
Max. ERP Average (dBm)= Conducted power + Antenna Gain

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Antenna gain(dBi)	EIRP power (dBm)	EIRP power (mW)	Verdict
Band41(2535-2655)	5	40065	1	#0	QPSK	24.62	3.32	27.94	622.300	PASS
Band41(2535-2655)	5	40065	1	#Mid	QPSK	24.73	3.32	28.05	638.263	PASS
Band41(2535-2655)	5	40065	1	#Max	QPSK	24.63	3.32	27.95	623.735	PASS
Band41(2535-2655)	5	40065	12	#0	QPSK	23.7	3.32	27.02	503.501	PASS
Band41(2535-2655)	5	40065	12	#Mid	QPSK	23.76	3.32	27.08	510.505	PASS
Band41(2535-2655)	5	40065	12	#Max	QPSK	23.77	3.32	27.09	511.682	PASS
Band41(2535-2655)	5	40065	25	#0	QPSK	23.74	3.32	27.06	508.159	PASS
Band41(2535-2655)	5	40640	1	#0	QPSK	24.67	3.32	27.99	629.506	PASS
Band41(2535-2655)	5	40640	1	#Mid	QPSK	24.73	3.32	28.05	638.263	PASS
Band41(2535-2655)	5	40640	1	#Max	QPSK	24.62	3.32	27.94	622.300	PASS
Band41(2535-2655)	5	40640	12	#0	QPSK	23.77	3.32	27.09	511.682	PASS
Band41(2535-2655)	5	40640	12	#Mid	QPSK	23.74	3.32	27.06	508.159	PASS
Band41(2535-2655)	5	40640	12	#Max	QPSK	23.71	3.32	27.03	504.661	PASS
Band41(2535-2655)	5	40640	25	#0	QPSK	23.72	3.32	27.04	505.825	PASS
Band41(2535-2655)	5	41215	1	#0	QPSK	24.32	3.32	27.64	580.764	PASS
Band41(2535-2655)	5	41215	1	#Mid	QPSK	24.39	3.32	27.71	590.201	PASS
Band41(2535-2655)	5	41215	1	#Max	QPSK	24.25	3.32	27.57	571.479	PASS
Band41(2535-2655)	5	41215	12	#0	QPSK	23.4	3.32	26.72	469.894	PASS
Band41(2535-2655)	5	41215	12	#Mid	QPSK	23.37	3.32	26.69	466.659	PASS
Band41(2535-2655)	5	41215	12	#Max	QPSK	23.35	3.32	26.67	464.515	PASS
Band41(2535-2655)	5	41215	25	#0	QPSK	23.44	3.32	26.76	474.242	PASS
Band41(2535-2655)	10	40090	1	#0	QPSK	24.72	3.32	28.04	636.796	PASS
Band41(2535-2655)	10	40090	1	#Mid	QPSK	24.86	3.32	28.18	**657.658**	PASS
Band41(2535-2655)	10	40090	1	#Max	QPSK	24.63	3.32	27.95	623.735	PASS
Band41(2535-2655)	10	40090	25	#0	QPSK	23.73	3.32	27.05	506.991	PASS
Band41(2535-2655)	10	40090	25	#Mid	QPSK	23.86	3.32	27.18	522.396	PASS
Band41(2535-2655)	10	40090	25	#Max	QPSK	23.77	3.32	27.09	511.682	PASS
Band41(2535-2655)	10	40090	50	#0	QPSK	23.57	3.32	26.89	488.652	PASS
Band41(2535-2655)	10	40640	1	#0	QPSK	24.76	3.32	28.08	642.688	PASS
Band41(2535-2655)	10	40640	1	#Mid	QPSK	24.86	3.32	28.18	**657.658**	PASS
Band41(2535-2655)	10	40640	1	#Max	QPSK	24.72	3.32	28.04	636.796	PASS
Band41(2535-2655)	10	40640	25	#0	QPSK	23.85	3.32	27.17	521.195	PASS
Band41(2535-2655)	10	40640	25	#Mid	QPSK	23.78	3.32	27.1	512.861	PASS
Band41(2535-2655)	10	40640	25	#Max	QPSK	23.75	3.32	27.07	509.331	PASS
Band41(2535-2655)	10	40640	50	#0	QPSK	23.84	3.32	27.16	519.996	PASS
Band41(2535-2655)	10	41190	1	#0	QPSK	24.46	3.32	27.78	599.791	PASS
Band41(2535-2655)	10	41190	1	#Mid	QPSK	24.51	3.32	27.83	606.736	PASS
Band41(2535-2655)	10	41190	1	#Max	QPSK	24.33	3.32	27.65	582.103	PASS
Band41(2535-2655)	10	41190	25	#0	QPSK	23.47	3.32	26.79	477.529	PASS
Band41(2535-2655)	10	41190	25	#Mid	QPSK	23.43	3.32	26.75	473.151	PASS
Band41(2535-2655)	10	41190	25	#Max	QPSK	23.45	3.32	26.77	475.335	PASS
Band41(2535-2655)	10	41190	50	#0	QPSK	23.32	3.32	26.64	461.318	PASS
Band41(2535-2655)	15	40115	1	#0	QPSK	24.64	3.32	27.96	625.173	PASS
Band41(2535-2655)	15	40115	1	#Mid	QPSK	24.73	3.32	28.05	638.263	PASS
Band41(2535-2655)	15	40115	1	#Max	QPSK	24.41	3.32	27.73	592.925	PASS
Band41(2535-2655)	15	40115	36	#0	QPSK	23.75	3.32	27.07	509.331	PASS
Band41(2535-2655)	15	40115	36	#Mid	QPSK	23.78	3.32	27.1	512.861	PASS
Band41(2535-2655)	15	40115	36	#Max	QPSK	23.73	3.32	27.05	506.991	PASS
Band41(2535-2655)	15	40115	75	#0	QPSK	23.67	3.32	26.99	500.035	PASS
Band41(2535-2655)	15	40640	1	#0	QPSK	24.68	3.32	28	630.957	PASS
Band41(2535-2655)	15	40640	1	#Mid	QPSK	24.76	3.32	28.08	642.688	PASS
Band41(2535-2655)	15	40640	1	#Max	QPSK	24.55	3.32	27.87	612.350	PASS
Band41(2535-2655)	15	40640	36	#0	QPSK	23.84	3.32	27.16	519.996	PASS
Band41(2535-2655)	15	40640	36	#Mid	QPSK	23.81	3.32	27.13	516.416	PASS
Band41(2535-2655)	15	40640	36	#Max	QPSK	23.75	3.32	27.07	509.331	PASS
Band41(2535-2655)	15	40640	75	#0	QPSK	23.78	3.32	27.1	512.861	PASS
Band41(2535-2655)	15	41165	1	#0	QPSK	24.42	3.32	27.74	594.292	PASS
Band41(2535-2655)	15	41165	1	#Mid	QPSK	24.44	3.32	27.76	597.035	PASS
Band41(2535-2655)	15	41165	1	#Max	QPSK	24.25	3.32	27.57	571.479	PASS
Band41(2535-2655)	15	41165	36	#0	QPSK	23.51	3.32	26.83	481.948	PASS
Band41(2535-2655)	15	41165	36	#Mid	QPSK	23.49	3.32	26.81	479.733	PASS
Band41(2535-2655)	15	41165	36	#Max	QPSK	23.46	3.32	26.78	476.431	PASS
Band41(2535-2655)	15	41165	75	#0	QPSK	23.42	3.32	26.74	472.063	PASS
Band41(2535-2655)	20	40140	1	#0	QPSK	24.49	3.32	27.81	603.949	PASS
Band41(2535-2655)	20	40140	1	#Mid	QPSK	24.74	3.32	28.06	639.735	PASS
Band41(2535-2655)	20	40140	1	#Max	QPSK	24.19	3.32	27.51	563.638	PASS

Band41(2535-2655)	20	40140	50	#0	QPSK	23.59	3.32	26.91	490.908	PASS
Band41(2535-2655)	20	40140	50	#Mid	QPSK	23.75	3.32	27.07	509.331	PASS
Band41(2535-2655)	20	40140	50	#Max	QPSK	23.73	3.32	27.05	506.991	PASS
Band41(2535-2655)	20	40140	100	#0	QPSK	23.72	3.32	27.04	505.825	PASS
Band41(2535-2655)	20	40640	1	#0	QPSK	24.52	3.32	27.84	608.135	PASS
Band41(2535-2655)	20	40640	1	#Mid	QPSK	24.84	3.32	28.16	654.636	PASS
Band41(2535-2655)	20	40640	1	#Max	QPSK	24.33	3.32	27.65	582.103	PASS
Band41(2535-2655)	20	40640	50	#0	QPSK	23.87	3.32	27.19	523.600	PASS
Band41(2535-2655)	20	40640	50	#Mid	QPSK	23.82	3.32	27.14	517.607	PASS
Band41(2535-2655)	20	40640	50	#Max	QPSK	23.72	3.32	27.04	505.825	PASS
Band41(2535-2655)	20	40640	100	#0	QPSK	23.83	3.32	27.15	518.800	PASS
Band41(2535-2655)	20	41140	1	#0	QPSK	24.32	3.32	27.64	580.764	PASS
Band41(2535-2655)	20	41140	1	#Mid	QPSK	24.54	3.32	27.86	610.942	PASS
Band41(2535-2655)	20	41140	1	#Max	QPSK	24.07	3.32	27.39	548.277	PASS
Band41(2535-2655)	20	41140	50	#0	QPSK	23.5	3.32	26.82	480.839	PASS
Band41(2535-2655)	20	41140	50	#Mid	QPSK	23.53	3.32	26.85	484.172	PASS
Band41(2535-2655)	20	41140	50	#Max	QPSK	23.27	3.32	26.59	456.037	PASS
Band41(2535-2655)	20	41140	100	#0	QPSK	23.47	3.32	26.79	477.529	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Antenna gain(dBi)	EIRP power (dBm)	EIRP power (mW)	Verdict
Band41(2535-2655)	5	40065	1	#0	QAM16	23.79	3.32	27.11	514.044	PASS
Band41(2535-2655)	5	40065	1	#Mid	QAM16	23.93	3.32	27.25	530.884	PASS
Band41(2535-2655)	5	40065	1	#Max	QAM16	23.84	3.32	27.16	519.996	PASS
Band41(2535-2655)	5	40065	12	#0	QAM16	22.72	3.32	26.04	401.791	PASS
Band41(2535-2655)	5	40065	12	#Mid	QAM16	22.78	3.32	26.1	407.380	PASS
Band41(2535-2655)	5	40065	12	#Max	QAM16	22.78	3.32	26.1	407.380	PASS
Band41(2535-2655)	5	40065	25	#0	QAM16	22.78	3.32	26.1	407.380	PASS
Band41(2535-2655)	5	40640	1	#0	QAM16	23.82	3.32	27.14	517.607	PASS
Band41(2535-2655)	5	40640	1	#Mid	QAM16	23.91	3.32	27.23	528.445	PASS
Band41(2535-2655)	5	40640	1	#Max	QAM16	23.79	3.32	27.11	514.044	PASS
Band41(2535-2655)	5	40640	12	#0	QAM16	22.76	3.32	26.08	405.509	PASS
Band41(2535-2655)	5	40640	12	#Mid	QAM16	22.78	3.32	26.1	407.380	PASS
Band41(2535-2655)	5	40640	12	#Max	QAM16	22.73	3.32	26.05	402.717	PASS
Band41(2535-2655)	5	40640	25	#0	QAM16	22.79	3.32	26.11	408.319	PASS
Band41(2535-2655)	5	41215	1	#0	QAM16	23.48	3.32	26.8	478.630	PASS
Band41(2535-2655)	5	41215	1	#Mid	QAM16	23.56	3.32	26.88	487.528	PASS
Band41(2535-2655)	5	41215	1	#Max	QAM16	23.42	3.32	26.74	472.063	PASS
Band41(2535-2655)	5	41215	12	#0	QAM16	22.55	3.32	25.87	386.367	PASS
Band41(2535-2655)	5	41215	12	#Mid	QAM16	22.4	3.32	25.72	373.250	PASS
Band41(2535-2655)	5	41215	12	#Max	QAM16	22.38	3.32	25.7	371.535	PASS
Band41(2535-2655)	5	41215	25	#0	QAM16	22.44	3.32	25.76	376.704	PASS
Band41(2535-2655)	10	40090	1	#0	QAM16	23.93	3.32	27.25	530.884	PASS
Band41(2535-2655)	10	40090	1	#Mid	QAM16	24.08	3.32	27.4	**549.541**	PASS
Band41(2535-2655)	10	40090	1	#Max	QAM16	23.86	3.32	27.18	522.396	PASS
Band41(2535-2655)	10	40090	25	#0	QAM16	22.78	3.32	26.1	407.380	PASS
Band41(2535-2655)	10	40090	25	#Mid	QAM16	22.79	3.32	26.11	408.319	PASS
Band41(2535-2655)	10	40090	25	#Max	QAM16	22.78	3.32	26.1	407.380	PASS
Band41(2535-2655)	10	40090	50	#0	QAM16	22.83	3.32	26.15	412.098	PASS
Band41(2535-2655)	10	40640	1	#0	QAM16	23.93	3.32	27.25	530.884	PASS
Band41(2535-2655)	10	40640	1	#Mid	QAM16	24.03	3.32	27.35	543.250	PASS
Band41(2535-2655)	10	40640	1	#Max	QAM16	23.82	3.32	27.14	517.607	PASS
Band41(2535-2655)	10	40640	25	#0	QAM16	22.9	3.32	26.22	418.794	PASS
Band41(2535-2655)	10	40640	25	#Mid	QAM16	22.84	3.32	26.16	413.048	PASS
Band41(2535-2655)	10	40640	25	#Max	QAM16	22.8	3.32	26.12	409.261	PASS
Band41(2535-2655)	10	40640	50	#0	QAM16	22.88	3.32	26.2	416.869	PASS
Band41(2535-2655)	10	41190	1	#0	QAM16	23.63	3.32	26.95	495.450	PASS
Band41(2535-2655)	10	41190	1	#Mid	QAM16	23.69	3.32	27.01	502.343	PASS
Band41(2535-2655)	10	41190	1	#Max	QAM16	23.51	3.32	26.83	481.948	PASS
Band41(2535-2655)	10	41190	25	#0	QAM16	22.51	3.32	25.83	382.825	PASS
Band41(2535-2655)	10	41190	25	#Mid	QAM16	22.49	3.32	25.81	381.066	PASS
Band41(2535-2655)	10	41190	25	#Max	QAM16	22.47	3.32	25.79	379.315	PASS
Band41(2535-2655)	10	41190	50	#0	QAM16	22.43	3.32	25.75	375.837	PASS
Band41(2535-2655)	15	40115	1	#0	QAM16	23.84	3.32	27.16	519.996	PASS
Band41(2535-2655)	15	40115	1	#Mid	QAM16	23.93	3.32	27.25	530.884	PASS
Band41(2535-2655)	15	40115	1	#Max	QAM16	23.74	3.32	27.06	508.159	PASS
Band41(2535-2655)	15	40115	36	#0	QAM16	22.69	3.32	26.01	399.025	PASS
Band41(2535-2655)	15	40115	36	#Mid	QAM16	22.74	3.32	26.06	403.645	PASS
Band41(2535-2655)	15	40115	36	#Max	QAM16	22.68	3.32	26	398.107	PASS
Band41(2535-2655)	15	40115	75	#0	QAM16	22.69	3.32	26.01	399.025	PASS
Band41(2535-2655)	15	40640	1	#0	QAM16	23.85	3.32	27.17	521.195	PASS
Band41(2535-2655)	15	40640	1	#Mid	QAM16	23.94	3.32	27.26	532.108	PASS
Band41(2535-2655)	15	40640	1	#Max	QAM16	23.74	3.32	27.06	508.159	PASS
Band41(2535-2655)	15	40640	36	#0	QAM16	22.81	3.32	26.13	410.204	PASS
Band41(2535-2655)	15	40640	36	#Mid	QAM16	22.78	3.32	26.1	407.380	PASS
Band41(2535-2655)	15	40640	36	#Max	QAM16	22.72	3.32	26.04	401.791	PASS
Band41(2535-2655)	15	40640	75	#0	QAM16	22.81	3.32	26.13	410.204	PASS
Band41(2535-2655)	15	41165	1	#0	QAM16	23.6	3.32	26.92	492.040	PASS
Band41(2535-2655)	15	41165	1	#Mid	QAM16	23.62	3.32	26.94	494.311	PASS
Band41(2535-2655)	15	41165	1	#Max	QAM16	23.42	3.32	26.74	472.063	PASS
Band41(2535-2655)	15	41165	36	#0	QAM16	22.49	3.32	25.81	381.066	PASS
Band41(2535-2655)	15	41165	36	#Mid	QAM16	22.45	3.32	25.77	377.572	PASS
Band41(2535-2655)	15	41165	36	#Max	QAM16	22.36	3.32	25.68	369.828	PASS
Band41(2535-2655)	15	41165	75	#0	QAM16	22.45	3.32	25.77	377.572	PASS
Band41(2535-2655)	20	40140	1	#0	QAM16	23.7	3.32	27.02	503.501	PASS
Band41(2535-2655)	20	40140	1	#Mid	QAM16	23.93	3.32	27.25	530.884	PASS

Band41(2535-2655)	20	40140	1	#Max	QAM16	23.42	3.32	26.74	472.063	PASS
Band41(2535-2655)	20	40140	50	#0	QAM16	22.64	3.32	25.96	394.457	PASS
Band41(2535-2655)	20	40140	50	#Mid	QAM16	22.75	3.32	26.07	404.576	PASS
Band41(2535-2655)	20	40140	50	#Max	QAM16	22.73	3.32	26.05	402.717	PASS
Band41(2535-2655)	20	40140	100	#0	QAM16	22.75	3.32	26.07	404.576	PASS
Band41(2535-2655)	20	40640	1	#0	QAM16	23.72	3.32	27.04	505.825	PASS
Band41(2535-2655)	20	40640	1	#Mid	QAM16	24.01	3.32	27.33	540.754	PASS
Band41(2535-2655)	20	40640	1	#Max	QAM16	23.55	3.32	26.87	486.407	PASS
Band41(2535-2655)	20	40640	50	#0	QAM16	22.91	3.32	26.23	419.759	PASS
Band41(2535-2655)	20	40640	50	#Mid	QAM16	22.86	3.32	26.18	414.954	PASS
Band41(2535-2655)	20	40640	50	#Max	QAM16	22.75	3.32	26.07	404.576	PASS
Band41(2535-2655)	20	40640	100	#0	QAM16	22.87	3.32	26.19	415.911	PASS
Band41(2535-2655)	20	41140	1	#0	QAM16	23.5	3.32	26.82	480.839	PASS
Band41(2535-2655)	20	41140	1	#Mid	QAM16	23.72	3.32	27.04	505.825	PASS
Band41(2535-2655)	20	41140	1	#Max	QAM16	23.26	3.32	26.58	454.988	PASS
Band41(2535-2655)	20	41140	50	#0	QAM16	22.57	3.32	25.89	388.150	PASS
Band41(2535-2655)	20	41140	50	#Mid	QAM16	22.56	3.32	25.88	387.258	PASS
Band41(2535-2655)	20	41140	50	#Max	QAM16	22.34	3.32	25.66	368.129	PASS
Band41(2535-2655)	20	41140	100	#0	QAM16	22.51	3.32	25.83	382.825	PASS

Note:
Max. ERP Average (dBm)= Conducted power + Antenna Gain

7.3 CONDUCTED OUTPUT POWER

7.3.1 Applicable Standard

According to FCC KDB 971168 D01 v03r01 Section 5 and ANSI C63.26: 2015 Section 5.2

7.3.2 Conformance Limit

For LTE Band 5:
The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.
For LTE Band 2:
Mobile and portable stations are limited to 2 watts EIRP.
For LTE Band 4,:
Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.
For LTE Band 7, LTE Band 41:
Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

7.3.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.3.4 Test Setup

Please refer to Section 6.1 of this test report.

7.3.5 Test Procedure

Connect the EUT to Universal Radio Communication Tester CMU200 or CMU500 via the antenna connector.
A call is set up by the SS according to the generic call set up procedure on a channel with ARFCN in the ARFCN range, power control level set to Max power. The frequency band is set as selected frequency,
The RF output of the transmitter was connected to base station simulator.
Set EUT at maximum average power by base station simulator.
Measure the lowest, middle, and highest channels of the EUT for each bandwidth and different modulation.
Measure and record the results in the test report.

7.3.6 Test Results

EUT:	Wireless POS	Model No.:	AF930
Temperature:	20 ℃	Relative Humidity:	48%

The conducted Test data please refer to the report: S23033100205006 under the WWAN module Z400-H FCC ID: 2A9FT-Z400-H.

7.4 FREQUENCY STABILITY

7.4.1 Applicable Standard

According to FCC KDB 971168 D01 Section 9.0 and ANSI C63.26: 2015 Section 5.6

7.4.2 Conformance Limit

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within ±0.00025% (±2.5ppm) of the center frequency.

7.4.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.4.4 Test Setup

Please refer to Section 6.1 of this test report.

7.4.5 Test Procedure

Connect the EUT to Universal Radio Communication Tester CMU200 or CMU500 via the antenna connector. A call is set up by the SS according to the generic call set up procedure on a channel with ARFCN in the ARFCN range, power control level set to Max power. MS TXPWR_MAX_CCH is set to the maximum value supported by the Power Class of the Mobile under test.
EUT was placed at temperature chamber and connected to an external power supply.
Temperature and voltage condition shall be tested to confirm frequency stability.
For Temperature Variation

1. The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.
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.

For Voltage Variation

1. The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.
2. The EUT was placed in a temperature chamber at 25±5° 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.

7.4.6 Test Results

The conducted Test data please refer to the report: S23033100205006 under the WWAN module Z400-H FCC ID: 2A9FT-Z400-H.

7.5 PEAK-TO-AVERAGE RATIO

7.5.1 Applicable Standard

According to ANSI C63.26: 2015 Section 5.2.3.4 and FCC KDB 971168 D01 Section 5.7

7.5.2 Conformance Limit

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB. The PAPR measurements should be made using either an instrument with complementary cumulative distribution function (CCDF) capabilities to determine that PAPR will not exceed 13 dB for more than 0.1 percent of the time or other Commission approved procedure. The measurement must be performed using a signal corresponding to the highest PAPR expected during periods of continuous transmission.

7.5.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.5.4 Test Setup

Please refer to Section 6.1 of this test report.

7.5.5 Test Procedure

The EUT was connected to Spectrum Analyzer and Base Station via power divider.
The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
Set the number of counts to a value that stabilizes the measured CCDF curve.
Set the measurement interval to 1 ms.
Record the maximum PAPR level associated with a probability of 0.1%.
a) Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;
b) Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;
c) Set the number of counts to a value that stabilizes the measured CCDF curve;
d) Set the measurement interval as follows:
1) for continuous transmissions, set to 1 ms,
2) for burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize and set the measurement interval to a time that is less than or equal to the burst duration.
e) Record the maximum PAPR level associated with a probability of 0.1%.

7.5.6 Test Results

The conducted Test data please refer to the report: S23033100205006 under the WWAN module Z400-H FCC ID: 2A9FT-Z400-H.

7.6 26DB BANDWIDTH AND 99% OCCUPIED BANDWIDTH

7.6.1 Applicable Standard

According to FCC KDB 971168 D01 Section 4 and ANSI C63.26: 2015 Section 5.4

7.6.2 Conformance Limit

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.

7.6.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.6.4 Test Setup

Please refer to Section 6.1 of this test report.

7.6.5 Test Procedure

The testing follows FCC KDB 971168 v03r01 Section 4.
The EUT was connected to Spectrum Analyzer and Base Station via power divider.
The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
Set the detection mode to peak, and the trace mode to max hold.
Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.
(this is the reference value)
Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
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.
Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

7.6.6 Test Results

The conducted Test data please refer to the report: S23033100205006 under the WWAN module Z400-H FCC ID: 2A9FT-Z400-H.

7.7 CONDUCTED BAND EDGE

7.7.1 Applicable Standard

According to FCC KDB 971168 D01 Section 6 and ANSI C63.26: 2015 Section 5.7.

7.7.2 Conformance Limit

For LTE Band 2, LTE Band 5:
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. The emission limit equal to –13 dBm.
For LTE Band 12:
According to FCC 47 CFR part 27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater.
However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.
For LTE Band 4, According to FCC 47 CFR part 27.53(h), for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 log (P) dB. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.
For LTE Band 7, LTE Band 41:
According to FCC 47 CFR part 27.53(m)(4) regulations, any transmit power outside of the channel edge must be attenuated below the transmitting power (P) by a factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed.

7.7.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.7.4 Test Setup

Please refer to Section 6.1 of this test report.

7.7.5 Test Procedure

The testing follows FCC KDB 971168 v03r01 Section 6.
The EUT was connected to Spectrum Analyzer and Base Station via power divider.
The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.
The path loss was compensated to the results for each measurement.
The band edges of low and high channels for the highest RF powers were measured.
The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

7.7.6 Test Results

The conducted Test data please refer to the report: S23033100205006 under the WWAN module Z400-H FCC ID: 2A9FT-Z400-H.

7.8 CONDUCTED SPURIOUS EMISSION AT ANTENNA TERMINAL

7.8.1 Applicable Standard

According to FCC KDB 971168 D01 Section 6 and ANSI C63.26: 2015 Section 5.7.

7.8.2 Conformance Limit

For LTE Band 2, LTE Band 5,:
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. The emission limit equal to –13 dBm.
For LTE Band 4:
According to FCC 47 CFR part 27.53(h), for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 log (P) dB. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.
For LTE Band 7, LTE Band 41:
According to FCC 47 CFR part 27.53(m)(4) regulations, any transmit power outside of the channel edge must be attenuated below the transmitting power (P) by a factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed.

7.8.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.8.4 Test Setup

Please refer to Section 6.1 of this test report.

7.8.5 Test Procedure

The testing follows FCC KDB 971168 v03r01 Section 6.
The EUT was connected to Spectrum Analyzer and Base Station via power divider.
The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.
The path loss was compensated to the results for each measurement.
The middle channel for the highest RF power within the transmitting frequency was measured.
The conducted spurious emission for the whole frequency range was taken.
The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

7.8.6 Test Results

The conducted Test data please refer to the report: S23033100205006 under the WWAN module Z400-H FCC ID: 2A9FT-Z400-H.

END OF REPORT