Test Report

Report No.:	MTi220105011-01E5
Date of issue:	Jun. 06, 2022
Applicant:	UP(Guangzhou)Electronics Co., Ltd.
Product name:	+iAndroid Link smart iA box
Model(s):	iA01F60AEUA, iA01F60ANA, iA01F60AW, iA02F60AEUA, iA02F60ANA, iA02F60AW, iA03F60AEUA, iA03F60ANA, iA03F60AW, iA04F60AEUA, iA04F60ANA, iA04F60AW, iA05F60AEUA, iA05F60ANA, iA05F60AW, iA06F60AEUA, iA06F60ANA, iA06F60AW
FCC ID:	2A4GI-IA01F60AEUA

Shenzhen Microtest Co., Ltd.
http://www.mtitest.com

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Instructions

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2. The test results of this report are only responsible for the samples submitted;
3. This report is invalid without the seal and signature of the laboratory;
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5. Any objection to this report shall be submitted to the laboratory within 15 days from the date of receipt of the report.

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TEST RESULT CERTIFICATION	
Applicant's name ..... :	UP(Guangzhou)Electronics Co., Ltd.
Address ..... :	2/F, Block 2, No. 13 Chaosheng Road, Jinghu Ave., Huadu Dist., Guangzhou, China
Manufacturer's Name ..... :	UP(Guangzhou)Electronics Co., Ltd.
Address ..... :	2/F, Block 2, No. 13 Chaosheng Road, Jinghu Ave., Huadu Dist., Guangzhou, China
Product description	
Product name ..... :	+iAndroid Link smart iA box
Trademark ..... :	N/A
Model Name ..... :	iA01F60AEUA
Serial Model	iA01F60ANA, iA01F60AW, iA02F60AEUA, iA02F60ANA, iA02F60AW, iA03F60AEUA, iA03F60ANA, iA03F60AW, iA04F60AEUA, iA04F60ANA, iA04F60AW, iA05F60AEUA, iA05F60ANA, iA05F60AW, iA06F60AEUA, iA06F60ANA, iA06F60AW
Standards ..... :	FCC CFR 47 Part 22H FCC CFR 47 Part 24E FCC CFR 47 Part 27
Test procedure ..... :	ANSI C63.26:2015 ANSI/TIA-603-E-2016 KDB 971168 D01 Power Meas License Digital Systems v03r01
Date of Test	
Date (s) of performance of tests ..... :	2022-02-15 ~2022-06-02
Test Result ..... :	Pass
This device described above has been tested by Shenzhen Microtest 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.	

Testing Engineer : Danny Xu

(Danny Xu)

Technical Manager : Leon Chen

(Leon Chen)

Authorized Signatory : Tom Xue

(Tom Xue)

1 General information

1.1 Feature of equipment under test (EUT)

Product name:	+iAndroid Link smart iA box
Model name:	iA01F60AEUA
Serial model:	iA01F60ANA, iA01F60AW, iA02F60AEUA, iA02F60ANA, iA02F60AW, iA03F60AEUA, iA03F60ANA, iA03F60AW, iA04F60AEUA, iA04F60ANA, iA04F60AW, iA05F60AEUA, iA05F60ANA, iA05F60AW, iA06F60AEUA, iA06F60ANA, iA06F60AW
Difference in series models:	All the models are the same circuit and RF module, except the model name and color.
Operating frequency range:	LTE FDD Band 5: 824 - 849MHz LTE FDD Band 7: 2500 - 2570MHz LTE TDD Band 38: 2570 - 2620MHz LTE TDD Band 41: 2555 - 2655MHz
Modulation type:	QPSK,16QAM
Antenna type:	FPC Antenna
Antenna gain:	Band 5 Gain: 0.76dBi Band 7 Gain: 2.20dBi Band 38 Gain: 2.20dBi Band 41 Gain: 2.11dBi
Power supply:	DC 5V
Battery:	N/A
Adapter information:	N/A
Bluetooth version:	V5.0
Hardware Version:	V1.3
Software Version:	103
EUT serial number:	MTi220105011-01-S0001

1.2 Test frequency channel

LTE Band	Channel	Channel Bandwidth (MHz)	Channel No.	Frequency (MHz)
LTE Band 5	Low	1.4	20407	824.7
		3	20415	825.5
		5	20425	826.5
		10	20450	829
	Middle	1.4/3/5/10	20525	836.5
	High	1.4	20643	848.3
		3	20635	847.5
		5	20625	846.5
		10	20600	844
LTE Band 7	Low	5	20775	2502.5
		10	20800	2505
		15	20825	2507.5
		20	20850	2510
	Middle	5/10/15/20	21100	2535
	High	5	21425	2567.5
		10	21400	2565
		15	21375	2562.5
		20	21350	2560
LTE Band 38	Low	5	37775	2572.5
		10	37800	2575
		15	37825	2577.5
		20	37850	2580
	Middle	5/10/15/20	38000	2595
	High	5	38225	2617.5
		10	38200	2615
		15	38175	2612.5
		20	38150	2610
LTE Band 41	Low	5	40265	2557.5
		10	40290	2560
		15	40315	2562.5

		20	40340	2565
	Middle	5/10/15/20	40740	2605
	High	5	41215	2652.5
		10	41190	2650
		15	41165	2647.5
		20	41140	2645

1.3 EUT operation mode

LTE band 5	Keep the EUT in data communicating mode on LTE band5. (LTE band5(1.4MHz), LTE band5(3MHz), LTE band5(5MHz), LTE band5(10MHz)
LTE band 7	Keep the EUT in data communicating mode on LTE band7. (LTE band7(5MHz), LTE band7(10MHz), LTE band7(15MHz), LTE band7(20MHz)
LTE band 38	Keep the EUT in data communicating mode on LTE band 38. (LTE band 38(5MHz), LTE band 38(10MHz), LTE band 38(15MHz), LTE band 38(20MHz)
LTE band 41	Keep the EUT in data communicating mode on LTE band17. (LTE band 41(5MHz), LTE band 41(10MHz),LTE band 41(15MHz), LTE band 41(20MHz)
Note: Only the worst case data were shown in the report.	

1.4 Ancillary equipment list

Equipment	Model	S/N	Manufacturer	Certificate type
Adapter	HW-090200CH0	/	Huizhou BYD Electronics Co., Ltd.	/

2 Summary of test results

Item	FCC Part No.	Description of Test	Result
1	Part2.1046 Part 22.913(a)(2) Part 24.232(c) Part 27.50 (c)(10) Part 27.50 (d)(4) Part 27.50 (h)(2)	RF Output Power	Pass
2	Part 22.913(a) Part 24.232(c) Part 27.50(h)(2) Part 27.50(b)(10) Part 27.50(c)(10) Part 27.50(d)(4) Part 27.50(a)(3)	Radiated Power (ERP/EIRP)	Pass
3	Part 22.913(a) Part 24.232(c) Part 27.50(d)(5)	Peak-to-Average Ratio	Pass
4	Part 2.1049 Part 22.917(b) Part 24.238(b) Part 27.53(g) Part 27.53(h) Part 27.53(m)	99% and -26 dB Occupied Bandwidth	Pass
5	Part 2.1051 Part 22.917(a) Part 24.238(a) Part 27.53 (g)(h)	Spurious emissions at antenna terminals	Pass
6	Part 2.1051 Part22.917(b) Part 24.238(b) Part 27.53(c)(2)(4) Part 27.53(g) Part 27.53(h)	Band edge at antenna terminals	Pass
7	Part 2.1053 Part 22.917(a) Part 24.238(a) Part 27.53 (g) Part 27.53 (h) Part 27.53(m)	Field strength of spurious radiation measurement	Pass
8	Part 22.355 Part 24.235 Part 27.54 Part 2.1055(a)(1)(b) Part 2.1055(d)(2)	Frequency Stability for Temperature &Voltage	Pass

3 Test facilities and accreditations

3.1 Test laboratory

Test Laboratory	Shenzhen Microtest Co., Ltd
Location	101, No. 7, Zone 2, Xinxing Industrial Park, Fuhai Avenue, Xinhe Community, Fuhai Street, Bao' an District, Shenzhen, Guangdong, China.
FCC Registration No.:	448573

3.2 Environmental conditions

Temperature:	15ºC~35ºC
Humidity	20%~75%
Atmospheric pressure	98kPa~101kPa

3.3 Measurement uncertainty

Measurement Uncertainty for a Level of Confidence of 95 %, U=2xUc(y)

RF frequency	1 x 10-7
RF power, conducted	± 1 dB
Conducted emission(150kHz~30MHz)	± 2.5 dB
Radiated emission(30MHz~1GHz)	± 4.2 dB
Radiated emission (above 1GHz)	± 4.3 dB
Temperature	±1 degree
Humidity	± 5 %

3.4 Test software

Software Name	Manufacturer	Model	Version
LTE	Shenzhen JS tonscend co,.ltd	JS1120-1	2.6.8.0518

4 LIST OF TEST EQUIPMENT

Equipment No.	Equipment Name	Manufacturer	Model	Serial No.	Calibration date	Due date
MTI-E043	EMI Test Receiver	Rohde&schwarz	ESCI7	101166	2021/06/02	2022/06/01
MTI-E044	TRILOG Broadband Antenna	schwarabeck	VULB 9163	9163-1338	2021/05/30	2023/05/29
MTI-E047	Amplifier	Hewlett-Packard	8447F	3113A06150	2021/06/02	2022/06/01
MTI-E089	ESG Vector Signal Generator	Agilent	N5182A	MY49060455	2021/06/02	2022/06/01
MTI-E058	ESG Series Analog Ssignal Generator	Agilent	E4421B	GB40051240	2021/06/02	2022/06/01
MTI-E062	PXA Signal Analyzer	Agilent	N9030A	MY51350296	2021/06/02	2022/06/01
MTI-E066	MXA Signal Analyzer	Agilent	N9020A	MY50143483	2021/06/02	2022/06/01
MTI-E078	Synthesized Sweeper	Agilent	83752A	3610A01957	2021/06/02	2022/06/01
MTI-E079	DC Power Supply	Agilent	E3632A	MY40027695	2021/06/02	2022/06/01
MTI-E045	Double Ridged Broadband Horn Antenna	schwarabeck	BBHA 9120D	9120D-2278	2021/05/30	2023/05/29
MTI-E021	EMI Test Receiver	Rohde&schwarz	ESCS30	100210	2021/06/02	2022/06/01
MTI-E022	Pulse Limiter	Schwarzbeck	VSTD 9561-F	00679	2021/06/02	2022/06/01
MTI-E023	Artificial mains network	Schwarzbeck	NSLK 8127	NSLK 8127 #841	2021/06/02	2022/06/01
MTI-E046	Active Loop Antenna	Schwarzbeck	FMZB 1519 B	00044	2021/05/30	2023/05/29
MTI-E048	Amplifier	Agilent	8449B	3008A02400	2021/06/02	2022/06/01
MTI-E072	Thermometer Clock Humidity Monitor	-	HTC-1	/	2021/06/02	2022/06/01
MTI-E057	Wideband Radio Communication Tester	Rohde&schwarz	CMW500	149155	2021/06/02	2022/06/01
Note: the calibration interval of the above test instruments is 12 or 24 months and the calibrations are traceable to international system unit (SI).						

5 Test result

5.1 RF output power

5.1.1 Limit

For FCC Part 22.913(a)(2):
The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

For FCC Part 24.232(c):
The EIRP of mobile transmitters and auxiliary test transmitters must not exceed 2 Watts.

For FCC Part 27.50(d):
The EIRP of mobile transmitters and auxiliary test transmitters must not exceed 1 Watt.

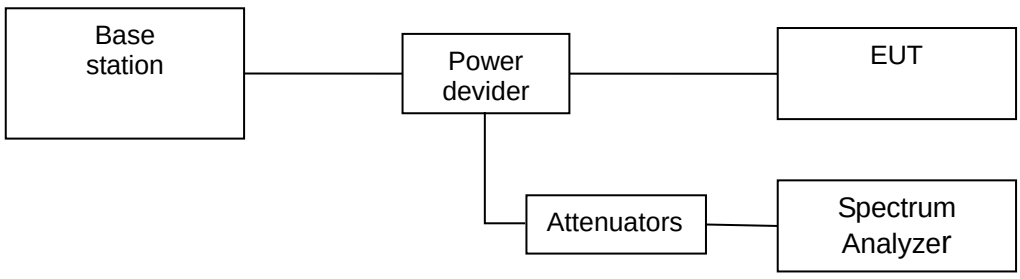
For FCC Part 27.50(c):
The ERP of mobile transmitters and auxiliary test transmitters must not exceed 3 Watts.

For FCC Part 27.50(a)(3):
For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth.

5.1.2 Test procedure

1) The EUT's RF output port was connected to base station.
2) A call is set up by the SS according to the generic call set up procedure.
3) Set EUT at maximum power level through base station by power level command.
4) Measure the maximum output power of EUT at each frequency band and mode by base station.
5) The EUT was set up for the max output power with pseudo random data modulation.
6) These measurements were done at 3 frequencies (bottom, middle and top of operational frequency range) for each bandwidth.

5.1.3 Test setup



5.1.4 Test results

The following table shows the conducted power measured:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	22.08	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.22	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.10	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	21.90	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	21.96	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	21.86	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.12	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.27	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.20	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.29	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.47	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.26	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	20.75	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	20.91	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	20.75	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.32	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	21.52	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.36	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.42	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.53	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.53	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.19	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.27	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.28	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.76	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.87	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.94	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.66	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.69	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.67	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.39	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.41	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.50	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.70	PASS

Band5	3MHz	16QAM	20635	1RB#8	22.79	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.89	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.42	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.63	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.62	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.17	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.29	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.26	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.66	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.90	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.95	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.50	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.65	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.64	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.32	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.60	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.56	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.69	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.95	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.94	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.50	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.78	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.95	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.99	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.44	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.44	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.39	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.77	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.89	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.69	PASS
Band5	10MHz	16QAM	20450	1RB#24	21.90	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.18	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.21	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.59	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.65	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.36	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.73	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.85	PASS

Band7	5MHz	QPSK	20775	1RB#0	21.73	PASS
Band7	5MHz	QPSK	20775	1RB#12	21.91	PASS
Band7	5MHz	QPSK	20775	1RB#24	21.89	PASS
Band7	5MHz	QPSK	21100	1RB#0	21.64	PASS
Band7	5MHz	QPSK	21100	1RB#12	21.72	PASS
Band7	5MHz	QPSK	21100	1RB#24	21.62	PASS
Band7	5MHz	QPSK	21425	1RB#0	21.78	PASS
Band7	5MHz	QPSK	21425	1RB#12	21.99	PASS
Band7	5MHz	QPSK	21425	1RB#24	21.88	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.06	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.16	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.17	PASS
Band7	5MHz	16QAM	21100	1RB#0	20.74	PASS
Band7	5MHz	16QAM	21100	1RB#12	20.86	PASS
Band7	5MHz	16QAM	21100	1RB#24	20.73	PASS
Band7	5MHz	16QAM	21425	1RB#0	20.92	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.08	PASS
Band7	5MHz	16QAM	21425	1RB#24	20.97	PASS
Band7	10MHz	QPSK	20800	1RB#0	20.85	PASS
Band7	10MHz	QPSK	20800	1RB#24	21.06	PASS
Band7	10MHz	QPSK	20800	1RB#49	20.76	PASS
Band7	10MHz	QPSK	21100	1RB#0	20.22	PASS
Band7	10MHz	QPSK	21100	1RB#24	20.44	PASS
Band7	10MHz	QPSK	21100	1RB#49	20.25	PASS
Band7	10MHz	QPSK	21400	1RB#0	20.16	PASS
Band7	10MHz	QPSK	21400	1RB#24	20.49	PASS
Band7	10MHz	QPSK	21400	1RB#49	20.57	PASS
Band7	10MHz	16QAM	20800	1RB#0	20.14	PASS
Band7	10MHz	16QAM	20800	1RB#24	20.23	PASS
Band7	10MHz	16QAM	20800	1RB#49	20.03	PASS
Band7	10MHz	16QAM	21100	1RB#0	19.47	PASS
Band7	10MHz	16QAM	21100	1RB#24	19.71	PASS
Band7	10MHz	16QAM	21100	1RB#49	19.54	PASS
Band7	10MHz	16QAM	21400	1RB#0	19.15	PASS
Band7	10MHz	16QAM	21400	1RB#24	19.37	PASS
Band7	10MHz	16QAM	21400	1RB#49	19.49	PASS
Band7	15MHz	QPSK	20825	1RB#0	20.79	PASS
Band7	15MHz	QPSK	20825	1RB#38	20.82	PASS

Band7	15MHz	QPSK	20825	1RB#74	20.54	PASS
Band7	15MHz	QPSK	21100	1RB#0	20.21	PASS
Band7	15MHz	QPSK	21100	1RB#38	20.28	PASS
Band7	15MHz	QPSK	21100	1RB#74	20.23	PASS
Band7	15MHz	QPSK	21375	1RB#0	20.08	PASS
Band7	15MHz	QPSK	21375	1RB#38	20.35	PASS
Band7	15MHz	QPSK	21375	1RB#74	20.48	PASS
Band7	15MHz	16QAM	20825	1RB#0	20.06	PASS
Band7	15MHz	16QAM	20825	1RB#38	20.02	PASS
Band7	15MHz	16QAM	20825	1RB#74	19.76	PASS
Band7	15MHz	16QAM	21100	1RB#0	19.60	PASS
Band7	15MHz	16QAM	21100	1RB#38	19.68	PASS
Band7	15MHz	16QAM	21100	1RB#74	19.61	PASS
Band7	15MHz	16QAM	21375	1RB#0	19.02	PASS
Band7	15MHz	16QAM	21375	1RB#38	19.32	PASS
Band7	15MHz	16QAM	21375	1RB#74	19.43	PASS
Band7	20MHz	QPSK	20850	1RB#0	20.83	PASS
Band7	20MHz	QPSK	20850	1RB#49	20.96	PASS
Band7	20MHz	QPSK	20850	1RB#99	20.57	PASS
Band7	20MHz	QPSK	21100	1RB#0	20.24	PASS
Band7	20MHz	QPSK	21100	1RB#49	20.44	PASS
Band7	20MHz	QPSK	21100	1RB#99	20.17	PASS
Band7	20MHz	QPSK	21350	1RB#0	19.93	PASS
Band7	20MHz	QPSK	21350	1RB#49	20.19	PASS
Band7	20MHz	QPSK	21350	1RB#99	20.37	PASS
Band7	20MHz	16QAM	20850	1RB#0	19.93	PASS
Band7	20MHz	16QAM	20850	1RB#49	19.97	PASS
Band7	20MHz	16QAM	20850	1RB#99	19.65	PASS
Band7	20MHz	16QAM	21100	1RB#0	19.41	PASS
Band7	20MHz	16QAM	21100	1RB#49	19.72	PASS
Band7	20MHz	16QAM	21100	1RB#99	19.53	PASS
Band7	20MHz	16QAM	21350	1RB#0	19.10	PASS
Band7	20MHz	16QAM	21350	1RB#49	19.50	PASS
Band7	20MHz	16QAM	21350	1RB#99	19.51	PASS
Band38	5MHz	QPSK	37775	1RB#0	21.74	PASS
Band38	5MHz	QPSK	37775	1RB#12	21.86	PASS
Band38	5MHz	QPSK	37775	1RB#24	21.71	PASS
Band38	5MHz	QPSK	38000	1RB#0	21.30	PASS

Band38	5MHz	QPSK	38000	1RB#12	21.44	PASS
Band38	5MHz	QPSK	38000	1RB#24	21.32	PASS
Band38	5MHz	QPSK	38225	1RB#0	21.11	PASS
Band38	5MHz	QPSK	38225	1RB#12	21.22	PASS
Band38	5MHz	QPSK	38225	1RB#24	21.14	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.12	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.25	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.09	PASS
Band38	5MHz	16QAM	38000	1RB#0	20.60	PASS
Band38	5MHz	16QAM	38000	1RB#12	20.74	PASS
Band38	5MHz	16QAM	38000	1RB#24	20.61	PASS
Band38	5MHz	16QAM	38225	1RB#0	20.54	PASS
Band38	5MHz	16QAM	38225	1RB#12	20.69	PASS
Band38	5MHz	16QAM	38225	1RB#24	20.62	PASS
Band38	10MHz	QPSK	37800	1RB#0	20.95	PASS
Band38	10MHz	QPSK	37800	1RB#24	21.39	PASS
Band38	10MHz	QPSK	37800	1RB#49	21.33	PASS
Band38	10MHz	QPSK	38000	1RB#0	21.45	PASS
Band38	10MHz	QPSK	38000	1RB#24	21.70	PASS
Band38	10MHz	QPSK	38000	1RB#49	21.56	PASS
Band38	10MHz	QPSK	38200	1RB#0	21.36	PASS
Band38	10MHz	QPSK	38200	1RB#24	21.39	PASS
Band38	10MHz	QPSK	38200	1RB#49	21.29	PASS
Band38	10MHz	16QAM	37800	1RB#0	20.45	PASS
Band38	10MHz	16QAM	37800	1RB#24	20.77	PASS
Band38	10MHz	16QAM	37800	1RB#49	20.78	PASS
Band38	10MHz	16QAM	38000	1RB#0	20.45	PASS
Band38	10MHz	16QAM	38000	1RB#24	20.71	PASS
Band38	10MHz	16QAM	38000	1RB#49	20.54	PASS
Band38	10MHz	16QAM	38200	1RB#0	20.47	PASS
Band38	10MHz	16QAM	38200	1RB#24	20.53	PASS
Band38	10MHz	16QAM	38200	1RB#49	20.36	PASS
Band38	15MHz	QPSK	37825	1RB#0	20.93	PASS
Band38	15MHz	QPSK	37825	1RB#38	21.26	PASS
Band38	15MHz	QPSK	37825	1RB#74	21.34	PASS
Band38	15MHz	QPSK	38000	1RB#0	21.44	PASS
Band38	15MHz	QPSK	38000	1RB#38	21.58	PASS
Band38	15MHz	QPSK	38000	1RB#74	21.49	PASS

Band38	15MHz	QPSK	38175	1RB#0	21.34	PASS
Band38	15MHz	QPSK	38175	1RB#38	21.35	PASS
Band38	15MHz	QPSK	38175	1RB#74	21.18	PASS
Band38	15MHz	16QAM	37825	1RB#0	20.34	PASS
Band38	15MHz	16QAM	37825	1RB#38	20.67	PASS
Band38	15MHz	16QAM	37825	1RB#74	20.78	PASS
Band38	15MHz	16QAM	38000	1RB#0	20.52	PASS
Band38	15MHz	16QAM	38000	1RB#38	20.65	PASS
Band38	15MHz	16QAM	38000	1RB#74	20.55	PASS
Band38	15MHz	16QAM	38175	1RB#0	20.41	PASS
Band38	15MHz	16QAM	38175	1RB#38	20.39	PASS
Band38	15MHz	16QAM	38175	1RB#74	20.31	PASS
Band38	20MHz	QPSK	37850	1RB#0	20.91	PASS
Band38	20MHz	QPSK	37850	1RB#49	21.42	PASS
Band38	20MHz	QPSK	37850	1RB#99	21.55	PASS
Band38	20MHz	QPSK	38000	1RB#0	21.28	PASS
Band38	20MHz	QPSK	38000	1RB#49	21.67	PASS
Band38	20MHz	QPSK	38000	1RB#99	21.41	PASS
Band38	20MHz	QPSK	38150	1RB#0	21.36	PASS
Band38	20MHz	QPSK	38150	1RB#49	21.52	PASS
Band38	20MHz	QPSK	38150	1RB#99	21.19	PASS
Band38	20MHz	16QAM	37850	1RB#0	20.16	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.33	PASS
Band38	20MHz	16QAM	37850	1RB#99	20.75	PASS
Band38	20MHz	16QAM	38000	1RB#0	20.07	PASS
Band38	20MHz	16QAM	38000	1RB#49	20.39	PASS
Band38	20MHz	16QAM	38000	1RB#99	20.15	PASS
Band38	20MHz	16QAM	38150	1RB#0	20.35	PASS
Band38	20MHz	16QAM	38150	1RB#49	20.55	PASS
Band38	20MHz	16QAM	38150	1RB#99	20.19	PASS
Band41	5MHz	QPSK	40265	1RB#0	21.40	PASS
Band41	5MHz	QPSK	40265	1RB#12	21.68	PASS
Band41	5MHz	QPSK	40265	1RB#24	21.81	PASS
Band41	5MHz	QPSK	40740	1RB#0	22.12	PASS
Band41	5MHz	QPSK	40740	1RB#12	22.17	PASS
Band41	5MHz	QPSK	40740	1RB#24	22.07	PASS
Band41	5MHz	QPSK	41215	1RB#0	22.21	PASS
Band41	5MHz	QPSK	41215	1RB#12	21.97	PASS

Band41	5MHz	QPSK	41215	1RB#24	21.91	PASS
Band41	5MHz	16QAM	40265	1RB#0	20.58	PASS
Band41	5MHz	16QAM	40265	1RB#12	20.71	PASS
Band41	5MHz	16QAM	40265	1RB#24	20.74	PASS
Band41	5MHz	16QAM	40740	1RB#0	21.54	PASS
Band41	5MHz	16QAM	40740	1RB#12	21.38	PASS
Band41	5MHz	16QAM	40740	1RB#24	21.53	PASS
Band41	5MHz	16QAM	41215	1RB#0	21.81	PASS
Band41	5MHz	16QAM	41215	1RB#12	21.78	PASS
Band41	5MHz	16QAM	41215	1RB#24	21.61	PASS
Band41	10MHz	QPSK	40290	1RB#0	21.73	PASS
Band41	10MHz	QPSK	40290	1RB#24	21.71	PASS
Band41	10MHz	QPSK	40290	1RB#49	21.76	PASS
Band41	10MHz	QPSK	40740	1RB#0	21.37	PASS
Band41	10MHz	QPSK	40740	1RB#24	21.29	PASS
Band41	10MHz	QPSK	40740	1RB#49	21.46	PASS
Band41	10MHz	QPSK	41190	1RB#0	22.27	PASS
Band41	10MHz	QPSK	41190	1RB#24	22.61	PASS
Band41	10MHz	QPSK	41190	1RB#49	22.78	PASS
Band41	10MHz	16QAM	40290	1RB#0	20.08	PASS
Band41	10MHz	16QAM	40290	1RB#24	20.14	PASS
Band41	10MHz	16QAM	40290	1RB#49	19.84	PASS
Band41	10MHz	16QAM	40740	1RB#0	20.58	PASS
Band41	10MHz	16QAM	40740	1RB#24	20.89	PASS
Band41	10MHz	16QAM	40740	1RB#49	20.72	PASS
Band41	10MHz	16QAM	41190	1RB#0	21.90	PASS
Band41	10MHz	16QAM	41190	1RB#24	22.05	PASS
Band41	10MHz	16QAM	41190	1RB#49	21.87	PASS
Band41	15MHz	QPSK	40315	1RB#0	20.52	PASS
Band41	15MHz	QPSK	40315	1RB#38	20.49	PASS
Band41	15MHz	QPSK	40315	1RB#74	20.61	PASS
Band41	15MHz	QPSK	40740	1RB#0	21.29	PASS
Band41	15MHz	QPSK	40740	1RB#38	21.32	PASS
Band41	15MHz	QPSK	40740	1RB#74	21.06	PASS
Band41	15MHz	QPSK	41165	1RB#0	21.65	PASS
Band41	15MHz	QPSK	41165	1RB#38	21.67	PASS
Band41	15MHz	QPSK	41165	1RB#74	21.92	PASS
Band41	15MHz	16QAM	40315	1RB#0	19.83	PASS

Band41	15MHz	16QAM	40315	1RB#38	19.86	PASS
Band41	15MHz	16QAM	40315	1RB#74	19.90	PASS
Band41	15MHz	16QAM	40740	1RB#0	20.40	PASS
Band41	15MHz	16QAM	40740	1RB#38	20.24	PASS
Band41	15MHz	16QAM	40740	1RB#74	20.63	PASS
Band41	15MHz	16QAM	41165	1RB#0	20.73	PASS
Band41	15MHz	16QAM	41165	1RB#38	20.83	PASS
Band41	15MHz	16QAM	41165	1RB#74	20.91	PASS
Band41	20MHz	QPSK	40340	1RB#0	20.52	PASS
Band41	20MHz	QPSK	40340	1RB#49	20.74	PASS
Band41	20MHz	QPSK	40340	1RB#99	20.8	PASS
Band41	20MHz	QPSK	40740	1RB#0	21.48	PASS
Band41	20MHz	QPSK	40740	1RB#49	21.78	PASS
Band41	20MHz	QPSK	40740	1RB#99	21.61	PASS
Band41	20MHz	QPSK	41140	1RB#0	21.44	PASS
Band41	20MHz	QPSK	41140	1RB#49	21.83	PASS
Band41	20MHz	QPSK	41140	1RB#99	21.91	PASS
Band41	20MHz	16QAM	40340	1RB#0	20.14	PASS
Band41	20MHz	16QAM	40340	1RB#49	20.53	PASS
Band41	20MHz	16QAM	40340	1RB#99	20.53	PASS
Band41	20MHz	16QAM	40740	1RB#0	20.43	PASS
Band41	20MHz	16QAM	40740	1RB#49	20.81	PASS
Band41	20MHz	16QAM	40740	1RB#99	20.6	PASS
Band41	20MHz	16QAM	41140	1RB#0	20.43	PASS
Band41	20MHz	16QAM	41140	1RB#49	20.68	PASS
Band41	20MHz	16QAM	41140	1RB#99	21.02	PASS

Note：All RB configurations have been tested, with only the worst reflected in the report

5.2 Radiated Power (ERP/EIRP)

5.2.1 Limit

1) 22.913(a) - The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

2) 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.

3) 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.

4) 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.

5) 27.50(h) The following power limits shall apply in the BRS and EBS:

   (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.

6) 27.50(a)(3):For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth.

7) For FCC 22.913: The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

8) For FCC 24.234: Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13dB.

5.2.2 Test procedure

9) According to the power tested in section 5.1, select the maximum power in each mode, and use the following formula to calculate the corresponding ERP/EIRP.

ERP = conducted output (dBm) + Antenna Gain (dBd)
EIRP = conducted output + Antenna Gain (dBi)

10) ERP = EIRP - 2.15

5.2.3 Test results

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	Antenna Gain(dBi)	ERP/EIRP	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	22.08	0.76	22.84	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.22	0.76	22.98	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.1	0.76	22.86	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	21.9	0.76	22.66	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	21.96	0.76	22.72	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	21.86	0.76	22.62	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.12	0.76	22.88	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.27	0.76	23.03	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.2	0.76	22.96	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.29	0.76	22.05	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.47	0.76	22.23	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.26	0.76	22.02	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	20.75	0.76	21.51	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	20.91	0.76	21.67	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	20.75	0.76	21.51	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.32	0.76	22.08	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	21.52	0.76	22.28	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.36	0.76	22.12	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.42	0.76	23.18	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.53	0.76	23.29	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.53	0.76	23.29	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.19	0.76	23.95	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.27	0.76	24.03	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.28	0.76	24.04	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.76	0.76	24.52	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.87	0.76	24.63	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.94	0.76	24.7	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.66	0.76	22.42	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.69	0.76	22.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.67	0.76	22.43	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.39	0.76	23.15	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.41	0.76	23.17	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.5	0.76	23.26	PASS

Band5	3MHz	16QAM	20635	1RB#0	22.7	0.76	23.46	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.79	0.76	23.55	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.89	0.76	23.65	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.42	0.76	23.18	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.63	0.76	23.39	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.62	0.76	23.38	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.17	0.76	23.93	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.29	0.76	24.05	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.26	0.76	24.02	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.66	0.76	24.42	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.9	0.76	24.66	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.95	0.76	24.71	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.5	0.76	22.26	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.65	0.76	22.41	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.64	0.76	22.4	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.32	0.76	23.08	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.6	0.76	23.36	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.56	0.76	23.32	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.69	0.76	23.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.95	0.76	23.71	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.94	0.76	23.7	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.5	0.76	23.26	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.78	0.76	23.54	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.95	0.76	23.71	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.99	0.76	23.75	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.44	0.76	24.2	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.44	0.76	24.2	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.39	0.76	24.15	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.77	0.76	24.53	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.89	0.76	24.65	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.69	0.76	22.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	21.9	0.76	22.66	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.18	0.76	22.94	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.21	0.76	22.97	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.59	0.76	23.35	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.65	0.76	23.41	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.36	0.76	23.12	PASS

Band5	10MHz	16QAM	20600	1RB#24	22.73	0.76	23.49	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.85	0.76	23.61	PASS
Band7	5MHz	QPSK	20775	1RB#0	21.73	2.2	23.93	PASS
Band7	5MHz	QPSK	20775	1RB#12	21.91	2.2	24.11	PASS
Band7	5MHz	QPSK	20775	1RB#24	21.89	2.2	24.09	PASS
Band7	5MHz	QPSK	21100	1RB#0	21.64	2.2	23.84	PASS
Band7	5MHz	QPSK	21100	1RB#12	21.72	2.2	23.92	PASS
Band7	5MHz	QPSK	21100	1RB#24	21.62	2.2	23.82	PASS
Band7	5MHz	QPSK	21425	1RB#0	21.78	2.2	23.98	PASS
Band7	5MHz	QPSK	21425	1RB#12	21.99	2.2	24.19	PASS
Band7	5MHz	QPSK	21425	1RB#24	21.88	2.2	24.08	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.06	2.2	23.26	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.16	2.2	23.36	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.17	2.2	23.37	PASS
Band7	5MHz	16QAM	21100	1RB#0	20.74	2.2	22.94	PASS
Band7	5MHz	16QAM	21100	1RB#12	20.86	2.2	23.06	PASS
Band7	5MHz	16QAM	21100	1RB#24	20.73	2.2	22.93	PASS
Band7	5MHz	16QAM	21425	1RB#0	20.92	2.2	23.12	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.08	2.2	23.28	PASS
Band7	5MHz	16QAM	21425	1RB#24	20.97	2.2	23.17	PASS
Band7	10MHz	QPSK	20800	1RB#0	20.85	2.2	23.05	PASS
Band7	10MHz	QPSK	20800	1RB#24	21.06	2.2	23.26	PASS
Band7	10MHz	QPSK	20800	1RB#49	20.76	2.2	22.96	PASS
Band7	10MHz	QPSK	21100	1RB#0	20.22	2.2	22.42	PASS
Band7	10MHz	QPSK	21100	1RB#24	20.44	2.2	22.64	PASS
Band7	10MHz	QPSK	21100	1RB#49	20.25	2.2	22.45	PASS
Band7	10MHz	QPSK	21400	1RB#0	20.16	2.2	22.36	PASS
Band7	10MHz	QPSK	21400	1RB#24	20.49	2.2	22.69	PASS
Band7	10MHz	QPSK	21400	1RB#49	20.57	2.2	22.77	PASS
Band7	10MHz	16QAM	20800	1RB#0	20.14	2.2	22.34	PASS
Band7	10MHz	16QAM	20800	1RB#24	20.23	2.2	22.43	PASS
Band7	10MHz	16QAM	20800	1RB#49	20.03	2.2	22.23	PASS
Band7	10MHz	16QAM	21100	1RB#0	19.47	2.2	21.67	PASS
Band7	10MHz	16QAM	21100	1RB#24	19.71	2.2	21.91	PASS
Band7	10MHz	16QAM	21100	1RB#49	19.54	2.2	21.74	PASS
Band7	10MHz	16QAM	21400	1RB#0	19.15	2.2	21.35	PASS
Band7	10MHz	16QAM	21400	1RB#24	19.37	2.2	21.57	PASS

Band7	10MHz	16QAM	21400	1RB#49	19.49	2.2	21.69	PASS
Band7	15MHz	QPSK	20825	1RB#0	20.79	2.2	22.99	PASS
Band7	15MHz	QPSK	20825	1RB#38	20.82	2.2	23.02	PASS
Band7	15MHz	QPSK	20825	1RB#74	20.54	2.2	22.74	PASS
Band7	15MHz	QPSK	21100	1RB#0	20.21	2.2	22.41	PASS
Band7	15MHz	QPSK	21100	1RB#38	20.28	2.2	22.48	PASS
Band7	15MHz	QPSK	21100	1RB#74	20.23	2.2	22.43	PASS
Band7	15MHz	QPSK	21375	1RB#0	20.08	2.2	22.28	PASS
Band7	15MHz	QPSK	21375	1RB#38	20.35	2.2	22.55	PASS
Band7	15MHz	QPSK	21375	1RB#74	20.48	2.2	22.68	PASS
Band7	15MHz	16QAM	20825	1RB#0	20.06	2.2	22.26	PASS
Band7	15MHz	16QAM	20825	1RB#38	20.02	2.2	22.22	PASS
Band7	15MHz	16QAM	20825	1RB#74	19.76	2.2	21.96	PASS
Band7	15MHz	16QAM	21100	1RB#0	19.6	2.2	21.8	PASS
Band7	15MHz	16QAM	21100	1RB#38	19.68	2.2	21.88	PASS
Band7	15MHz	16QAM	21100	1RB#74	19.61	2.2	21.81	PASS
Band7	15MHz	16QAM	21375	1RB#0	19.02	2.2	21.22	PASS
Band7	15MHz	16QAM	21375	1RB#38	19.32	2.2	21.52	PASS
Band7	15MHz	16QAM	21375	1RB#74	19.43	2.2	21.63	PASS
Band7	20MHz	QPSK	20850	1RB#0	20.83	2.2	23.03	PASS
Band7	20MHz	QPSK	20850	1RB#49	20.96	2.2	23.16	PASS
Band7	20MHz	QPSK	20850	1RB#99	20.57	2.2	22.77	PASS
Band7	20MHz	QPSK	21100	1RB#0	20.24	2.2	22.44	PASS
Band7	20MHz	QPSK	21100	1RB#49	20.44	2.2	22.64	PASS
Band7	20MHz	QPSK	21100	1RB#99	20.17	2.2	22.37	PASS
Band7	20MHz	QPSK	21350	1RB#0	19.93	2.2	22.13	PASS
Band7	20MHz	QPSK	21350	1RB#49	20.19	2.2	22.39	PASS
Band7	20MHz	QPSK	21350	1RB#99	20.37	2.2	22.57	PASS
Band7	20MHz	16QAM	20850	1RB#0	19.93	2.2	22.13	PASS
Band7	20MHz	16QAM	20850	1RB#49	19.97	2.2	22.17	PASS
Band7	20MHz	16QAM	20850	1RB#99	19.65	2.2	21.85	PASS
Band7	20MHz	16QAM	21100	1RB#0	19.41	2.2	21.61	PASS
Band7	20MHz	16QAM	21100	1RB#49	19.72	2.2	21.92	PASS
Band7	20MHz	16QAM	21100	1RB#99	19.53	2.2	21.73	PASS
Band7	20MHz	16QAM	21350	1RB#0	19.1	2.2	21.3	PASS
Band7	20MHz	16QAM	21350	1RB#49	19.5	2.2	21.7	PASS
Band7	20MHz	16QAM	21350	1RB#99	19.51	2.2	21.71	PASS

Band38	5MHz	QPSK	37775	1RB#0	21.74	2.2	23.94	PASS
Band38	5MHz	QPSK	37775	1RB#12	21.86	2.2	24.06	PASS
Band38	5MHz	QPSK	37775	1RB#24	21.71	2.2	23.91	PASS
Band38	5MHz	QPSK	38000	1RB#0	21.3	2.2	23.5	PASS
Band38	5MHz	QPSK	38000	1RB#12	21.44	2.2	23.64	PASS
Band38	5MHz	QPSK	38000	1RB#24	21.32	2.2	23.52	PASS
Band38	5MHz	QPSK	38225	1RB#0	21.11	2.2	23.31	PASS
Band38	5MHz	QPSK	38225	1RB#12	21.22	2.2	23.42	PASS
Band38	5MHz	QPSK	38225	1RB#24	21.14	2.2	23.34	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.12	2.2	23.32	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.25	2.2	23.45	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.09	2.2	23.29	PASS
Band38	5MHz	16QAM	38000	1RB#0	20.6	2.2	22.8	PASS
Band38	5MHz	16QAM	38000	1RB#12	20.74	2.2	22.94	PASS
Band38	5MHz	16QAM	38000	1RB#24	20.61	2.2	22.81	PASS
Band38	5MHz	16QAM	38225	1RB#0	20.54	2.2	22.74	PASS
Band38	5MHz	16QAM	38225	1RB#12	20.69	2.2	22.89	PASS
Band38	5MHz	16QAM	38225	1RB#24	20.62	2.2	22.82	PASS
Band38	10MHz	QPSK	37800	1RB#0	20.95	2.2	23.15	PASS
Band38	10MHz	QPSK	37800	1RB#24	21.39	2.2	23.59	PASS
Band38	10MHz	QPSK	37800	1RB#49	21.33	2.2	23.53	PASS
Band38	10MHz	QPSK	38000	1RB#0	21.45	2.2	23.65	PASS
Band38	10MHz	QPSK	38000	1RB#24	21.7	2.2	23.9	PASS
Band38	10MHz	QPSK	38000	1RB#49	21.56	2.2	23.76	PASS
Band38	10MHz	QPSK	38200	1RB#0	21.36	2.2	23.56	PASS
Band38	10MHz	QPSK	38200	1RB#24	21.39	2.2	23.59	PASS
Band38	10MHz	QPSK	38200	1RB#49	21.29	2.2	23.49	PASS
Band38	10MHz	16QAM	37800	1RB#0	20.45	2.2	22.65	PASS
Band38	10MHz	16QAM	37800	1RB#24	20.77	2.2	22.97	PASS
Band38	10MHz	16QAM	37800	1RB#49	20.78	2.2	22.98	PASS
Band38	10MHz	16QAM	38000	1RB#0	20.45	2.2	22.65	PASS
Band38	10MHz	16QAM	38000	1RB#24	20.71	2.2	22.91	PASS
Band38	10MHz	16QAM	38000	1RB#49	20.54	2.2	22.74	PASS
Band38	10MHz	16QAM	38200	1RB#0	20.47	2.2	22.67	PASS
Band38	10MHz	16QAM	38200	1RB#24	20.53	2.2	22.73	PASS
Band38	10MHz	16QAM	38200	1RB#49	20.36	2.2	22.56	PASS
Band38	15MHz	QPSK	37825	1RB#0	20.93	2.2	23.13	PASS

Band38	15MHz	QPSK	37825	1RB#38	21.26	2.2	23.46	PASS
Band38	15MHz	QPSK	37825	1RB#74	21.34	2.2	23.54	PASS
Band38	15MHz	QPSK	38000	1RB#0	21.44	2.2	23.64	PASS
Band38	15MHz	QPSK	38000	1RB#38	21.58	2.2	23.78	PASS
Band38	15MHz	QPSK	38000	1RB#74	21.49	2.2	23.69	PASS
Band38	15MHz	QPSK	38175	1RB#0	21.34	2.2	23.54	PASS
Band38	15MHz	QPSK	38175	1RB#38	21.35	2.2	23.55	PASS
Band38	15MHz	QPSK	38175	1RB#74	21.18	2.2	23.38	PASS
Band38	15MHz	16QAM	37825	1RB#0	20.34	2.2	22.54	PASS
Band38	15MHz	16QAM	37825	1RB#38	20.67	2.2	22.87	PASS
Band38	15MHz	16QAM	37825	1RB#74	20.78	2.2	22.98	PASS
Band38	15MHz	16QAM	38000	1RB#0	20.52	2.2	22.72	PASS
Band38	15MHz	16QAM	38000	1RB#38	20.65	2.2	22.85	PASS
Band38	15MHz	16QAM	38000	1RB#74	20.55	2.2	22.75	PASS
Band38	15MHz	16QAM	38175	1RB#0	20.41	2.2	22.61	PASS
Band38	15MHz	16QAM	38175	1RB#38	20.39	2.2	22.59	PASS
Band38	15MHz	16QAM	38175	1RB#74	20.31	2.2	22.51	PASS
Band38	20MHz	QPSK	37850	1RB#0	20.91	2.2	23.11	PASS
Band38	20MHz	QPSK	37850	1RB#49	21.42	2.2	23.62	PASS
Band38	20MHz	QPSK	37850	1RB#99	21.55	2.2	23.75	PASS
Band38	20MHz	QPSK	38000	1RB#0	21.28	2.2	23.48	PASS
Band38	20MHz	QPSK	38000	1RB#49	21.67	2.2	23.87	PASS
Band38	20MHz	QPSK	38000	1RB#99	21.41	2.2	23.61	PASS
Band38	20MHz	QPSK	38150	1RB#0	21.36	2.2	23.56	PASS
Band38	20MHz	QPSK	38150	1RB#49	21.52	2.2	23.72	PASS
Band38	20MHz	QPSK	38150	1RB#99	21.19	2.2	23.39	PASS
Band38	20MHz	16QAM	37850	1RB#0	20.16	2.2	22.36	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.33	2.2	23.53	PASS
Band38	20MHz	16QAM	37850	1RB#99	20.75	2.2	22.95	PASS
Band38	20MHz	16QAM	38000	1RB#0	20.07	2.2	22.27	PASS
Band38	20MHz	16QAM	38000	1RB#49	20.39	2.2	22.59	PASS
Band38	20MHz	16QAM	38000	1RB#99	20.15	2.2	22.35	PASS
Band38	20MHz	16QAM	38150	1RB#0	20.35	2.2	22.55	PASS
Band38	20MHz	16QAM	38150	1RB#49	20.55	2.2	22.75	PASS
Band38	20MHz	16QAM	38150	1RB#99	20.19	2.2	22.39	PASS
Band41	5MHz	QPSK	40265	1RB#0	21.4	2.11	23.51	PASS
Band41	5MHz	QPSK	40265	1RB#12	21.68	2.11	23.79	PASS

Band41	5MHz	QPSK	40265	1RB#24	21.81	2.11	23.92	PASS
Band41	5MHz	QPSK	40740	1RB#0	22.12	2.11	24.23	PASS
Band41	5MHz	QPSK	40740	1RB#12	22.17	2.11	24.28	PASS
Band41	5MHz	QPSK	40740	1RB#24	22.07	2.11	24.18	PASS
Band41	5MHz	QPSK	41215	1RB#0	22.21	2.11	24.32	PASS
Band41	5MHz	QPSK	41215	1RB#12	21.97	2.11	24.08	PASS
Band41	5MHz	QPSK	41215	1RB#24	21.91	2.11	24.02	PASS
Band41	5MHz	16QAM	40265	1RB#0	20.58	2.11	22.69	PASS
Band41	5MHz	16QAM	40265	1RB#12	20.71	2.11	22.82	PASS
Band41	5MHz	16QAM	40265	1RB#24	20.74	2.11	22.85	PASS
Band41	5MHz	16QAM	40740	1RB#0	21.54	2.11	23.65	PASS
Band41	5MHz	16QAM	40740	1RB#12	21.38	2.11	23.49	PASS
Band41	5MHz	16QAM	40740	1RB#24	21.53	2.11	23.64	PASS
Band41	5MHz	16QAM	41215	1RB#0	21.81	2.11	23.92	PASS
Band41	5MHz	16QAM	41215	1RB#12	21.78	2.11	23.89	PASS
Band41	5MHz	16QAM	41215	1RB#24	21.61	2.11	23.72	PASS
Band41	10MHz	QPSK	40290	1RB#0	21.73	2.11	23.84	PASS
Band41	10MHz	QPSK	40290	1RB#24	21.71	2.11	23.82	PASS
Band41	10MHz	QPSK	40290	1RB#49	21.76	2.11	23.87	PASS
Band41	10MHz	QPSK	40740	1RB#0	21.37	2.11	23.48	PASS
Band41	10MHz	QPSK	40740	1RB#24	21.29	2.11	23.4	PASS
Band41	10MHz	QPSK	40740	1RB#49	21.46	2.11	23.57	PASS
Band41	10MHz	QPSK	41190	1RB#0	22.27	2.11	24.38	PASS
Band41	10MHz	QPSK	41190	1RB#24	22.61	2.11	24.72	PASS
Band41	10MHz	QPSK	41190	1RB#49	22.78	2.11	24.89	PASS
Band41	10MHz	16QAM	40290	1RB#0	20.08	2.11	22.19	PASS
Band41	10MHz	16QAM	40290	1RB#24	20.14	2.11	22.25	PASS
Band41	10MHz	16QAM	40290	1RB#49	19.84	2.11	21.95	PASS
Band41	10MHz	16QAM	40740	1RB#0	20.58	2.11	22.69	PASS
Band41	10MHz	16QAM	40740	1RB#24	20.89	2.11	23	PASS
Band41	10MHz	16QAM	40740	1RB#49	20.72	2.11	22.83	PASS
Band41	10MHz	16QAM	41190	1RB#0	21.9	2.11	24.01	PASS
Band41	10MHz	16QAM	41190	1RB#24	22.05	2.11	24.16	PASS
Band41	10MHz	16QAM	41190	1RB#49	21.87	2.11	23.98	PASS
Band41	15MHz	QPSK	40315	1RB#0	20.52	2.11	22.63	PASS
Band41	15MHz	QPSK	40315	1RB#38	20.49	2.11	22.6	PASS
Band41	15MHz	QPSK	40315	1RB#74	20.61	2.11	22.72	PASS

Band41	15MHz	QPSK	40740	1RB#0	21.29	2.11	23.4	PASS
Band41	15MHz	QPSK	40740	1RB#38	21.32	2.11	23.43	PASS
Band41	15MHz	QPSK	40740	1RB#74	21.06	2.11	23.17	PASS
Band41	15MHz	QPSK	41165	1RB#0	21.65	2.11	23.76	PASS
Band41	15MHz	QPSK	41165	1RB#38	21.67	2.11	23.78	PASS
Band41	15MHz	QPSK	41165	1RB#74	21.92	2.11	24.03	PASS
Band41	15MHz	16QAM	40315	1RB#0	19.83	2.11	21.94	PASS
Band41	15MHz	16QAM	40315	1RB#38	19.86	2.11	21.97	PASS
Band41	15MHz	16QAM	40315	1RB#74	19.9	2.11	22.01	PASS
Band41	15MHz	16QAM	40740	1RB#0	20.4	2.11	22.51	PASS
Band41	15MHz	16QAM	40740	1RB#38	20.24	2.11	22.35	PASS
Band41	15MHz	16QAM	40740	1RB#74	20.63	2.11	22.74	PASS
Band41	15MHz	16QAM	41165	1RB#0	20.73	2.11	22.84	PASS
Band41	15MHz	16QAM	41165	1RB#38	20.83	2.11	22.94	PASS
Band41	15MHz	16QAM	41165	1RB#74	20.91	2.11	23.02	PASS
Band41	20MHz	QPSK	40340	1RB#0	20.52	2.11	22.63	PASS
Band41	20MHz	QPSK	40340	1RB#49	20.74	2.11	22.85	PASS
Band41	20MHz	QPSK	40340	1RB#99	20.8	2.11	22.91	PASS
Band41	20MHz	QPSK	40740	1RB#0	21.48	2.11	23.59	PASS
Band41	20MHz	QPSK	40740	1RB#49	21.78	2.11	23.89	PASS
Band41	20MHz	QPSK	40740	1RB#99	21.61	2.11	23.72	PASS
Band41	20MHz	QPSK	41140	1RB#0	21.44	2.11	23.55	PASS
Band41	20MHz	QPSK	41140	1RB#49	21.83	2.11	23.94	PASS
Band41	20MHz	QPSK	41140	1RB#99	21.91	2.11	24.02	PASS
Band41	20MHz	16QAM	40340	1RB#0	20.14	2.11	22.25	PASS
Band41	20MHz	16QAM	40340	1RB#49	20.53	2.11	22.64	PASS
Band41	20MHz	16QAM	40340	1RB#99	20.53	2.11	22.64	PASS
Band41	20MHz	16QAM	40740	1RB#0	20.43	2.11	22.54	PASS
Band41	20MHz	16QAM	40740	1RB#49	20.81	2.11	22.92	PASS
Band41	20MHz	16QAM	40740	1RB#99	20.6	2.11	22.71	PASS
Band41	20MHz	16QAM	41140	1RB#0	20.43	2.11	22.54	PASS
Band41	20MHz	16QAM	41140	1RB#49	20.68	2.11	22.79	PASS
Band41	20MHz	16QAM	41140	1RB#99	21.02	2.11	23.13	PASS

5.3 Peak-to-Average Ratio

5.3.1 Limit

Not exceed 13 dB

5.3.2 Test procedure

FCC: CFR Part 24.232 (d), 27.50(a)

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.

According to KDB 971168 5.7.1:

a)Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;

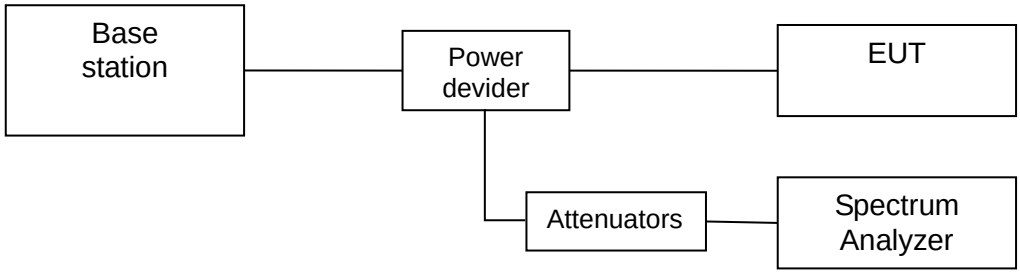
b) Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;

c) Set the number of counts to a value that stabilizes the measured CCDF curve;

d) Set the measurement interval to 1 ms

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

5.3.3 Test setup



5.3.4 Test results

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	4.40	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.06	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	5.59	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.72	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	5.22	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.62	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.17	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.90	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	6.61	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.51	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.92	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.37	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.55	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.02	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	5.37	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.77	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.89	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.59	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.26	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.88	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.94	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.52	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.76	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.43	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.71	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.06	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	5.57	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.82	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.56	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.57	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.27	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.85	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	6.23	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.53	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.19	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.28	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	4.51	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.39	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	5.16	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.77	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	5.10	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.45	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.38	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.12	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.72	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.55	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	6.01	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.22	13	PASS
Band7	5MHz	QPSK	20775	1RB#0	5.04	13	PASS

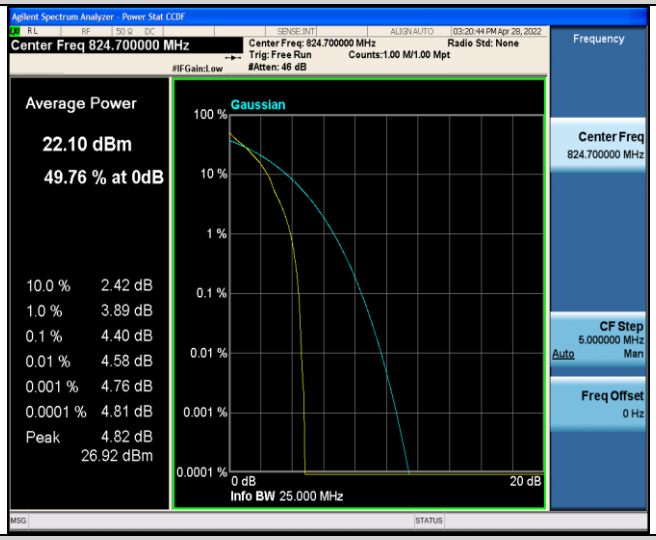
Band7	5MHz	QPSK	20775	25RB#0	5.64	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	5.40	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.87	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	5.42	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.73	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	5.65	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	6.44	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.84	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.57	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	5.87	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.47	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	5.03	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.69	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	5.23	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.86	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	5.36	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.75	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	5.79	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	6.48	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	5.84	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.58	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	6.20	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	6.59	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	5.13	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	6.08	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	5.47	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	6.10	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	5.48	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	6.11	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	5.93	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.63	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.95	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.62	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	6.33	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.62	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	4.91	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.74	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	5.39	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.87	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	5.48	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.77	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	5.49	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.53	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	6.33	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.60	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	6.23	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.56	13	PASS
Band38	5MHz	QPSK	37775	1RB#0	6.09	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	6.26	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	5.86	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	6.28	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	5.78	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	6.25	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	7.11	13	PASS

Band38	5MHz	16QAM	37775	25RB#0	6.89	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	6.52	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	6.87	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	6.48	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	6.89	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	6.48	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	6.09	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	5.80	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	6.12	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	6.23	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	6.08	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	7.16	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	6.87	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	6.66	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	6.82	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	6.67	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	6.80	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	5.93	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	6.31	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	5.97	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	6.33	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	5.47	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	6.33	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	6.93	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	6.85	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	6.94	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	6.84	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	6.77	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	6.78	13	PASS
Band38	20MHz	QPSK	37850	1RB#0	5.33	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	5.85	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	5.92	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	5.95	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	5.65	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	5.89	13	PASS
Band38	20MHz	16QAM	37850	1RB#0	6.46	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	6.63	13	PASS
Band38	20MHz	16QAM	38000	1RB#0	6.47	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	6.68	13	PASS
Band38	20MHz	16QAM	38150	1RB#0	6.73	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	6.67	13	PASS
Band41	5MHz	QPSK	40265	1RB#0	4.93	13	PASS
Band41	5MHz	QPSK	40265	25RB#0	5.68	13	PASS
Band41	5MHz	QPSK	40740	1RB#0	5.81	13	PASS
Band41	5MHz	QPSK	40740	25RB#0	6.06	13	PASS
Band41	5MHz	QPSK	41215	1RB#0	4.56	13	PASS
Band41	5MHz	QPSK	41215	25RB#0	5.23	13	PASS
Band41	5MHz	16QAM	40265	1RB#0	5.97	13	PASS
Band41	5MHz	16QAM	40265	25RB#0	6.45	13	PASS
Band41	5MHz	16QAM	40740	1RB#0	5.84	13	PASS
Band41	5MHz	16QAM	40740	25RB#0	6.55	13	PASS
Band41	5MHz	16QAM	41215	1RB#0	5.24	13	PASS
Band41	5MHz	16QAM	41215	25RB#0	6.09	13	PASS
Band41	10MHz	QPSK	40290	1RB#0	5.50	13	PASS

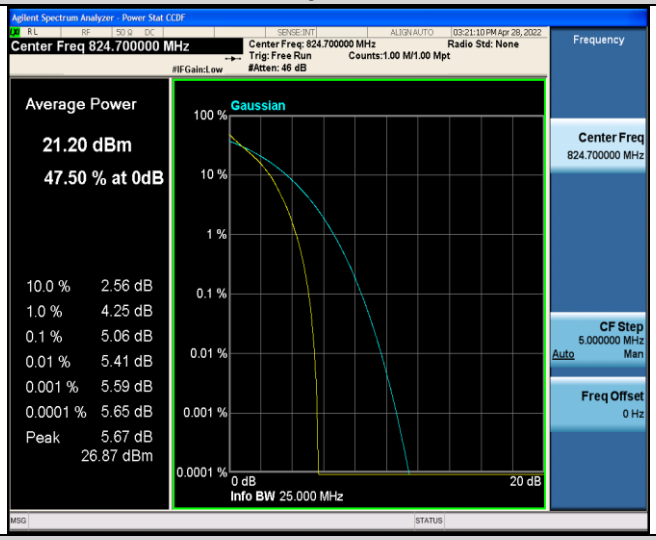
Band41	10MHz	QPSK	40290	50RB#0	5.58	13	PASS
Band41	10MHz	QPSK	40740	1RB#0	5.59	13	PASS
Band41	10MHz	QPSK	40740	50RB#0	5.78	13	PASS
Band41	10MHz	QPSK	41190	1RB#0	4.80	13	PASS
Band41	10MHz	QPSK	41190	50RB#0	5.29	13	PASS
Band41	10MHz	16QAM	40290	1RB#0	5.97	13	PASS
Band41	10MHz	16QAM	40290	50RB#0	6.44	13	PASS
Band41	10MHz	16QAM	40740	1RB#0	6.60	13	PASS
Band41	10MHz	16QAM	40740	50RB#0	6.52	13	PASS
Band41	10MHz	16QAM	41190	1RB#0	5.93	13	PASS
Band41	10MHz	16QAM	41190	50RB#0	6.16	13	PASS
Band41	15MHz	QPSK	40315	1RB#0	5.17	13	PASS
Band41	15MHz	QPSK	40315	75RB#0	5.87	13	PASS
Band41	15MHz	QPSK	40740	1RB#0	5.49	13	PASS
Band41	15MHz	QPSK	40740	75RB#0	6.06	13	PASS
Band41	15MHz	QPSK	41165	1RB#0	4.55	13	PASS
Band41	15MHz	QPSK	41165	75RB#0	5.61	13	PASS
Band41	15MHz	16QAM	40315	1RB#0	5.78	13	PASS
Band41	15MHz	16QAM	40315	75RB#0	6.51	13	PASS
Band41	15MHz	16QAM	40740	1RB#0	6.13	13	PASS
Band41	15MHz	16QAM	40740	75RB#0	6.63	13	PASS
Band41	15MHz	16QAM	41165	1RB#0	6.18	13	PASS
Band41	15MHz	16QAM	41165	75RB#0	6.34	13	PASS
Band41	20MHz	QPSK	40340	1RB#0	4.50	13	PASS
Band41	20MHz	QPSK	40340	100RB#0	5.59	13	PASS
Band41	20MHz	QPSK	40740	1RB#0	5.05	13	PASS
Band41	20MHz	QPSK	40740	100RB#0	5.74	13	PASS
Band41	20MHz	QPSK	41140	1RB#0	5.09	13	PASS
Band41	20MHz	QPSK	41140	100RB#0	5.47	13	PASS
Band41	20MHz	16QAM	40340	1RB#0	5.56	13	PASS
Band41	20MHz	16QAM	40340	100RB#0	6.38	13	PASS
Band41	20MHz	16QAM	40740	1RB#0	5.95	13	PASS
Band41	20MHz	16QAM	40740	100RB#0	6.53	13	PASS
Band41	20MHz	16QAM	41140	1RB#0	5.88	13	PASS
Band41	20MHz	16QAM	41140	100RB#0	6.29	13	PASS

Test plots

Band5-1.4MHz-QPSK-20407-1RB#0



Band5-1.4MHz-QPSK-20407-6RB#0



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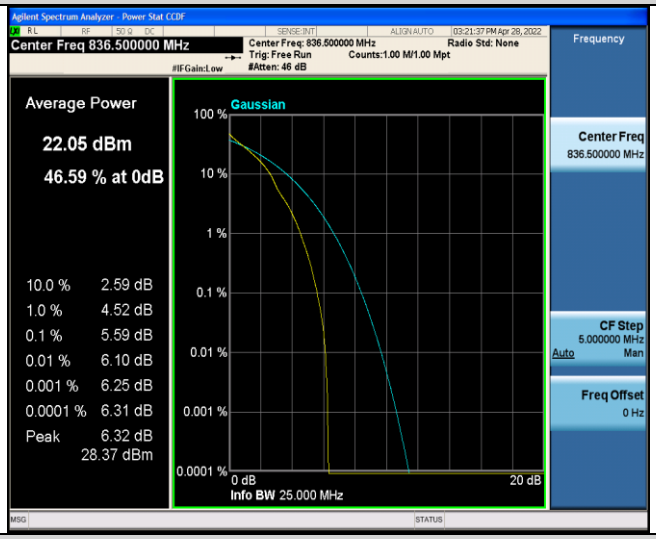

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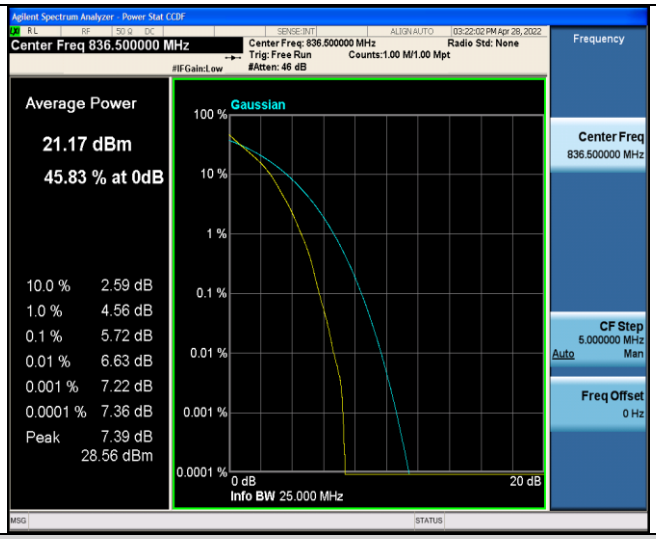
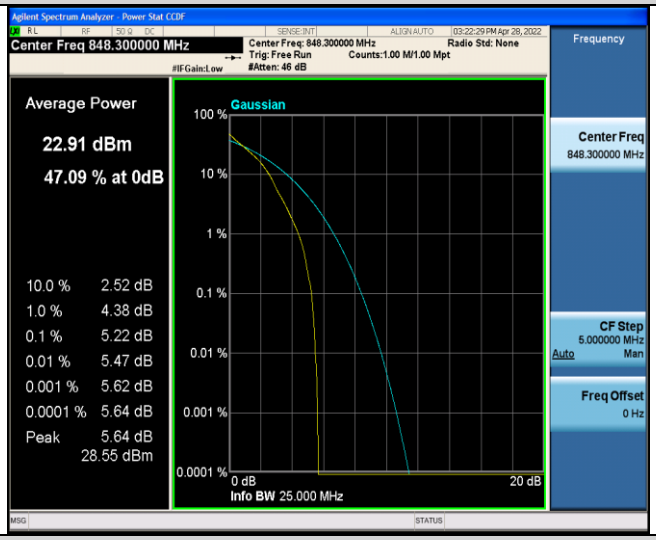


Band5-1.4MHz-QPSK-20643-1RB#0



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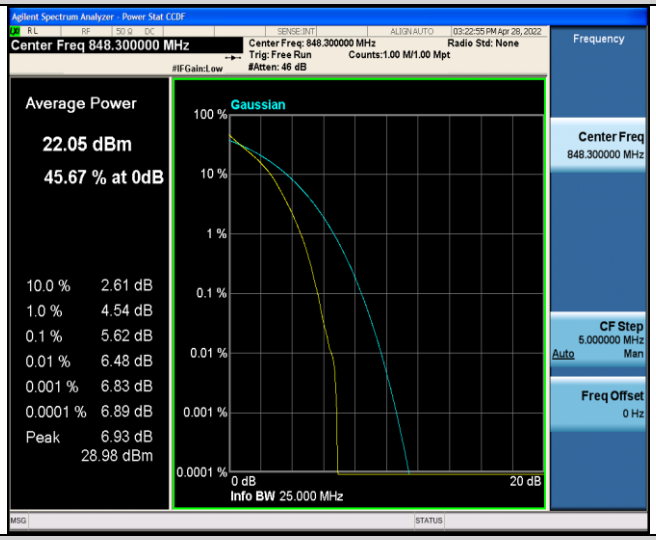
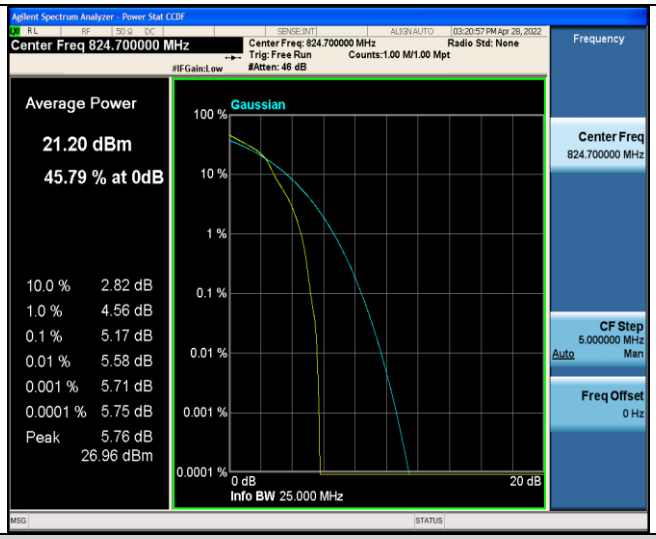
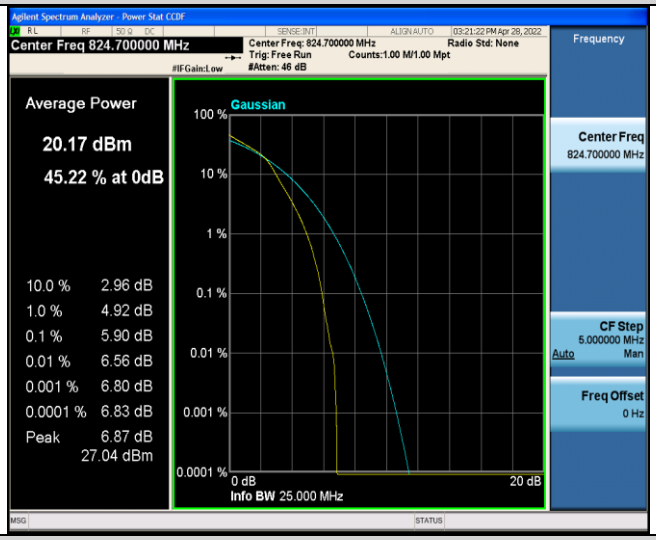


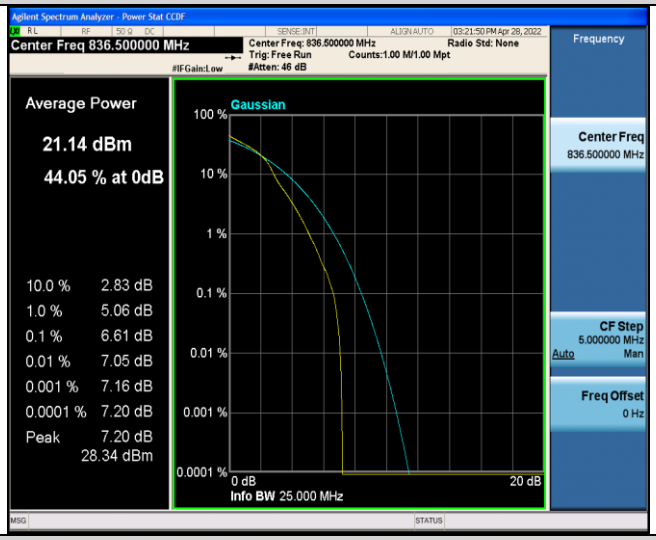
Band5-1.4MHz-16QAM-20407-1RB#0



Band5-1.4MHz-16QAM-20407-6RB#0



Band5-1.4MHz-16QAM-20525-1RB#0



Band5-1.4MHz-16QAM-20525-6RB#0