

Test Report

FCC ID:2AT7I-T2

Date of issue: Nov. 10, 2020

Report Number:	MTi20061009-2E3
Sample Description:	4G Wireless Data & GPS Tracking Device
Model(s):	T2
Applicant:	iFREE GROUP (HK) Ltd
Address:	Suite 06, 19/F, Mira Place Tower A, 132 Nathan Road, Tsim Sha Tsui, Kowloon, Hong Kong.
Date of Test:	July. 07, 2020 to Nov. 10, 2020

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

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Test Result Certification

Applicant's name: iFREE GROUP (HK) Ltd

Address: Suite 06, 19/F, Mira Place Tower A, 132 Nathan Road, Tsim Sha Tsui, Kowloon, Hong Kong.

Manufacture's name: iFREE GROUP (HK) Ltd

Address: Suite 06, 19/F, Mira Place Tower A, 132 Nathan Road, Tsim Sha Tsui, Kowloon, Hong Kong.

Product name: 4G Wireless Data & GPS Tracking Device

Trademark: MOGO

Model name: T2

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

This device described above has been tested by Shenzhen Microtest Co., Ltd. and the test results show that the equipment under test (EUT) compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

Tested by:

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Nov. 10, 2020

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Nov. 10, 2020

Approved by:

Tom Xue

Nov. 10, 2020

1 General information

1.1 Feature of equipment under test (EUT)

Product name:	4G Wireless Data & GPS Tracking Device
Model name:	T2
Serial model:	N/A
Difference in series models:	N/A
Operating frequency range:	LTE FDD Band 2: 1850 - 1910MHz LTE FDD Band 4: 1710 - 1755MHz LTE FDD Band 5: 824 - 849MHz LTE FDD Band 7: 2500 - 2570MHz LTE FDD Band 12: 699 - 716MHz LTE FDD Band 13: 777 - 787MHz LTE TDD Band 38: 2570 - 2620MHz LTE TDD Band 40: 2305-2315MHz&2350-2360MHz LTE TDD Band 41: 2555 - 2655MHz
Modulation type:	QPSK,16QAM
Antenna type:	FPC Antenna
Antenna gain:	Band 2 Gain: 0.33dBi Band 4 Gain: 0.52dBi Band 5 Gain: 0.76dBi Band 7 Gain: 2.20dBi Band 12 Gain: 0.74dBi Band 13 Gain: 0.74dBi Band 38 Gain: 2.20dBi Band 40 Gain: 2.11dBi Band 41 Gain: 2.11dBi
Power supply:	DC 5V from adapter or DC 3.8V from battery
Battery:	DC 3.8V 2000mAh
Adapter information:	N/A
Hardware Version:	T2M1_VER.A
Software Version:	T2_V01.01.02.23115T



1.2 Test frequency channel

LTE Band	Channel	Channel Bandwidth (MHz)	Channel No.	Frequency (MHz)
LTE Band 2	Low	1.4	18607	1850.7
		3	18615	1851.5
		5	18625	1852.5
		10	18650	1855
		15	18675	1857.5
		20	18700	1860
	Middle	1.4/3/5/10/15/20	18900	1880
	High	1.4	19193	1909.3
		3	19185	1908.5
		5	19175	1907.5
		10	19150	1905
		15	19125	1902.5
		20	19100	1900
LTE Band 4	Low	1.4	19957	1710.7
		3	19965	1711.5
		5	19975	1712.5
		10	20000	1715
		15	20025	1717.5
		20	20050	1720
	Middle	1.4/3/5/10/15/20	20175	1732.5
	High	1.4	20393	1754.3
		3	20385	1753.5
		5	20375	1752.5
		10	20350	1750
		15	20325	1747.5
		20	20300	1745
LTE Band 5	Low	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 12	Low	1.4	23017	699.7
		3	23025	700.5
		5	23035	701.5
		10	23060	704
	Middle	1.4/3/5/10	23095	707.5
	High	1.4	23173	715.3
		3	23165	714.5
		5	23155	713.5
		10	23130	711
LTE Band 13	Low	5	23205	779.5
		10	23230	782
	Middle	5/10	23230	782
	High	5	23255	784.5
		10	23230	782
LTE Band 38	Low	5	37775	2572.5
		10	37800	2575
		15	37820	2577.5
		20	37850	2580
	Middle	5/10/15/20	38000	2595
	High	5	38225	2617.5



LTE Band 41		10	38200	2615
		15	38175	2612.5
		20	38150	2610
	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

LTE Band 40 2305-2315MHz	Low	5	38725	2307.5
	High	5	38775	2312.5

LTE Band 40 2350-2360MHz	Low	5	39175	2352.5
	High	5	39225	2357.5

LTE Band 40	2305-2315MHz	10	38750	2310
	2350-2360MHz	10	39200	2355



1.3 EUT operation mode

LTE band 2	Keep the EUT in data communicating mode on LTE band2. (LTE band2(1.4MHz), LTE band2(3MHz), LTE band2(5MHz), LTE band2(10MHz), band2(15MHz), band2(20MHz)
LTE band 4	Keep the EUT in data communicating mode on LTE band4. (LTE band4(1.4MHz), LTE band4(3MHz), LTE band4(5MHz), LTE band4(10MHz), band4(15MHz), band4(20MHz)
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 12	Keep the EUT in data communicating mode on LTE band12. (LTE band12(1.4MHz), LTE band12(3MHz), LTE band12(5MHz), LTE band12(10MHz)
LTE band 13	Keep the EUT in data communicating mode on LTE band13. (LTE band13(5MHz), LTE band13(10MHz)
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 40	Keep the EUT in data communicating mode on LTE band 40. (LTE band 40(5MHz), LTE band 40(10MHz)
LTE band 41	Keep the EUT in data communicating mode on LTE band41. (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	/	/	/	/



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 part 22.917(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:	15°C~35°C
Humidity	20%~75%
Atmospheric pressure	98kPa~101kPa

3.3 Measurement uncertainty

Measurement Uncertainty for a Level of Confidence of 95 %, $U=2 \times U_c(y)$

RF frequency	1×10^{-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 tonscond 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-E004	EMI Test Receiver	Rohde&schwarz	ESPI7	100314	2019/10/09	2020/10/08
MTI-E006	TRILOG Broadband Antenna	schwarzbeck	VULB 9163	9163-872	2019/10/15	2020/10/14
MTI-E007	Double Ridged Broadband Horn Antenna	schwarzbeck	BBHA 9120 D	9120D-1145	2019/10/13	2020/10/12
MTI-E014	amplifier	Hewlett-Packard	8447D	3113A06150	2019/10/09	2020/10/08
MTI-E036	Single path vehicle AMN(LISN)	Schwarzbeck	NNBM 8124	01175	2019/10/09	2020/10/08
MTI-E038	Low noise active vertical monopole antenna	Schwarzbeck	VAMP 9243	#565	2019/10/16	2020/10/15
MTI-E039	Biconical antenna	Schwarzbeck	BBA 9106	#164	2019/10/15	2020/10/14
MTI-E041	MXG Vector Signal Generator	Agilent	N5182A	MY49060455	2020/04/16	2021/04/15
MTI-E042	ESG Series Analog signal generator	Agilent	E4421B	GB40051240	2020/05/21	2021/05/20
MTI-E044	Thermometer clock humidity monitor	-	HTC-1	/	2020/04/17	2021/04/16
MTI-E062	Log Periodic Antenna	Schwarzbeck	VUSLP 9111B	#312	2020/04/11	2021/04/10
MTI-E063	Log Periodic Dipole Array Antenna	ETS-LINDGREN	3148B	00224524	2020/04/11	2021/04/10
MTI-E065	Amplifier	EMtrace	RP06A	00117	2020/04/29	2021/04/28
MTI-E066	Comprehensive test instrument	Rohde&schwarz	CMW500	149155	2020/04/16	2021/04/15
MTI-E071	PXA Signal Analyzer	Agilent	N9030A	MY51350296	2019/10/25	2020/10/24
MTI-E076	EMI Test Receiver	Rohde&schwarz	ESIB26	100273	2020/04/16	2021/04/15
MTI-E078	Synthesized Sweeper	Agilent	83752A	3610A01957	2020/04/16	2021/04/15
MTI-E079	DC Power Supply	Agilent	E3632A	MY40027695	2020/04/16	2021/04/15
MTI-E093	Artificial mains network	3ctest	LISN J50	ES3911805	2020/04/16	2021/04/15
MTI-E096	Power amplifier	Space-Dtronics	EWLNA0 118G-P40	1852001	2020/04/29	2021/04/28
MTI-E097	Current Probe	SOLAR ELECTRONICS CO.	9207-1	220095-1	2020/04/17	2021/04/16
MTI-E098	Loop Sensor	SOLAR ELECTRONICS CO.	7334-1	220095-2	2020/04/21	2021/04/20



MTI-E080	Temperature& Hu- midity test chamber	Safety test	AG80L	171200018	2020/04/16	2021/04/15
MTI-E081	EPM Series Power Meter	Agilent	E4419B	MY50000438	2019/04/16	2021/04/15
MTI-E095	Horn Antenna	Schwarzbe ck	BBHA 9170	9170-181	2019/04/16	2021/04/15

Note: the calibration interval of the above test instruments is 12 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.

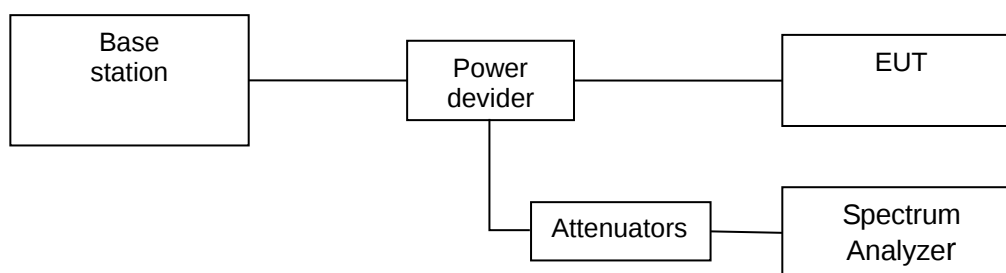
For FCC Part 27.50(a)(3):

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
Band2	1.4MHz	QPSK	18607	1RB#0	23.03	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.15	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.12	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	23.09	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	23.08	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	23.16	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.03	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.34	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.36	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.45	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	23.41	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	23.35	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	23.26	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.25	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.21	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.12	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.22	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	23.15	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	23.20	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	23.15	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.34	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.12	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.04	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.08	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	22.08	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	22.18	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	22.19	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	22.11	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.37	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.32	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.47	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	22.30	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	22.08	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	22.36	PASS



Band2	1.4MHz	16QAM	18900	6RB#0	22.25	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.15	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.08	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.05	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	22.18	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	22.27	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	22.27	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	22.23	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.20	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	22.00	PASS
Band2	3MHz	QPSK	18615	8RB#7	22.01	PASS
Band2	3MHz	QPSK	18615	8RB#4	21.97	PASS
Band2	3MHz	QPSK	18615	8RB#0	21.97	PASS
Band2	3MHz	QPSK	18615	15RB#0	21.97	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.21	PASS
Band2	3MHz	QPSK	18900	1RB#8	22.30	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.36	PASS
Band2	3MHz	QPSK	18900	8RB#7	22.18	PASS
Band2	3MHz	QPSK	18900	8RB#0	22.22	PASS
Band2	3MHz	QPSK	18900	8RB#4	22.21	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.18	PASS
Band2	3MHz	QPSK	19185	1RB#14	22.16	PASS
Band2	3MHz	QPSK	19185	1RB#8	22.98	PASS
Band2	3MHz	QPSK	19185	1RB#0	22.12	PASS
Band2	3MHz	QPSK	19185	8RB#4	22.18	PASS
Band2	3MHz	QPSK	19185	8RB#0	22.16	PASS
Band2	3MHz	QPSK	19185	8RB#7	22.18	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.05	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.13	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.20	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.01	PASS
Band2	3MHz	16QAM	18615	8RB#0	21.03	PASS
Band2	3MHz	16QAM	18615	8RB#7	21.02	PASS
Band2	3MHz	16QAM	18615	8RB#4	21.90	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.03	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.04	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.01	PASS



Band2	3MHz	16QAM	18900	1RB#0	22.02	PASS
Band2	3MHz	16QAM	18900	8RB#4	21.24	PASS
Band2	3MHz	16QAM	18900	8RB#0	21.32	PASS
Band2	3MHz	16QAM	18900	8RB#7	21.24	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.26	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.04	PASS
Band2	3MHz	16QAM	19185	1RB#0	21.89	PASS
Band2	3MHz	16QAM	19185	1RB#8	21.91	PASS
Band2	3MHz	16QAM	19185	8RB#0	21.15	PASS
Band2	3MHz	16QAM	19185	8RB#7	21.18	PASS
Band2	3MHz	16QAM	19185	8RB#4	21.10	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.07	PASS
Band2	5MHz	QPSK	18625	1RB#24	22.09	PASS
Band2	5MHz	QPSK	18625	1RB#12	22.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.88	PASS
Band2	5MHz	QPSK	18625	12RB#6	21.88	PASS
Band2	5MHz	QPSK	18625	12RB#0	21.89	PASS
Band2	5MHz	QPSK	18625	12RB#13	22.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	21.90	PASS
Band2	5MHz	QPSK	18900	1RB#24	22.23	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.24	PASS
Band2	5MHz	QPSK	18900	1RB#12	22.25	PASS
Band2	5MHz	QPSK	18900	12RB#6	22.16	PASS
Band2	5MHz	QPSK	18900	12RB#0	22.15	PASS
Band2	5MHz	QPSK	18900	12RB#13	22.19	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.14	PASS
Band2	5MHz	QPSK	19175	1RB#0	22.08	PASS
Band2	5MHz	QPSK	19175	1RB#12	22.17	PASS
Band2	5MHz	QPSK	19175	1RB#24	22.14	PASS
Band2	5MHz	QPSK	19175	12RB#0	22.10	PASS
Band2	5MHz	QPSK	19175	12RB#6	22.06	PASS
Band2	5MHz	QPSK	19175	12RB#13	22.13	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.14	PASS
Band2	5MHz	16QAM	18625	1RB#0	21.87	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.03	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.06	PASS
Band2	5MHz	16QAM	18625	12RB#13	21.97	PASS
Band2	5MHz	16QAM	18625	12RB#0	21.96	PASS



Band2	5MHz	16QAM	18625	12RB#6	21.98	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.16	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.29	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.39	PASS
Band2	5MHz	16QAM	18900	12RB#0	21.17	PASS
Band2	5MHz	16QAM	18900	12RB#13	21.10	PASS
Band2	5MHz	16QAM	18900	12RB#6	21.19	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.15	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.06	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.10	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.37	PASS
Band2	5MHz	16QAM	19175	12RB#0	21.15	PASS
Band2	5MHz	16QAM	19175	12RB#6	21.05	PASS
Band2	5MHz	16QAM	19175	12RB#13	21.12	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.09	PASS
Band2	10MHz	QPSK	18650	1RB#0	22.13	PASS
Band2	10MHz	QPSK	18650	1RB#24	22.28	PASS
Band2	10MHz	QPSK	18650	1RB#49	22.42	PASS
Band2	10MHz	QPSK	18650	25RB#12	22.06	PASS
Band2	10MHz	QPSK	18650	25RB#0	22.06	PASS
Band2	10MHz	QPSK	18650	25RB#25	22.24	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.15	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.39	PASS
Band2	10MHz	QPSK	18900	1RB#0	22.39	PASS
Band2	10MHz	QPSK	18900	1RB#24	22.34	PASS
Band2	10MHz	QPSK	18900	25RB#0	22.16	PASS
Band2	10MHz	QPSK	18900	25RB#12	22.16	PASS
Band2	10MHz	QPSK	18900	25RB#25	22.17	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.16	PASS
Band2	10MHz	QPSK	19150	1RB#24	22.16	PASS
Band2	10MHz	QPSK	19150	1RB#49	22.26	PASS
Band2	10MHz	QPSK	19150	1RB#0	22.41	PASS
Band2	10MHz	QPSK	19150	25RB#0	22.18	PASS
Band2	10MHz	QPSK	19150	25RB#25	22.14	PASS
Band2	10MHz	QPSK	19150	25RB#12	22.13	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.15	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.17	PASS



Band2	10MHz	16QAM	18650	1RB#49	22.33	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.09	PASS
Band2	10MHz	16QAM	18650	25RB#0	21.08	PASS
Band2	10MHz	16QAM	18650	25RB#12	21.09	PASS
Band2	10MHz	16QAM	18650	25RB#25	21.19	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.20	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.13	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.19	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.27	PASS
Band2	10MHz	16QAM	18900	25RB#25	21.21	PASS
Band2	10MHz	16QAM	18900	25RB#12	21.18	PASS
Band2	10MHz	16QAM	18900	25RB#0	21.22	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.16	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.14	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.42	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.22	PASS
Band2	10MHz	16QAM	19150	25RB#25	21.18	PASS
Band2	10MHz	16QAM	19150	25RB#12	21.08	PASS
Band2	10MHz	16QAM	19150	25RB#0	21.11	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.10	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.50	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.19	PASS
Band2	15MHz	QPSK	18675	1RB#38	22.41	PASS
Band2	15MHz	QPSK	18675	38RB#37	21.26	PASS
Band2	15MHz	QPSK	18675	38RB#18	21.32	PASS
Band2	15MHz	QPSK	18675	38RB#0	21.19	PASS
Band2	15MHz	QPSK	18675	75RB#0	21.34	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.58	PASS
Band2	15MHz	QPSK	18900	1RB#38	22.40	PASS
Band2	15MHz	QPSK	18900	1RB#0	22.53	PASS
Band2	15MHz	QPSK	18900	38RB#0	21.36	PASS
Band2	15MHz	QPSK	18900	38RB#37	21.40	PASS
Band2	15MHz	QPSK	18900	38RB#18	21.13	PASS
Band2	15MHz	QPSK	18900	75RB#0	21.34	PASS
Band2	15MHz	QPSK	19125	1RB#74	22.40	PASS
Band2	15MHz	QPSK	19125	1RB#38	22.42	PASS
Band2	15MHz	QPSK	19125	1RB#0	22.48	PASS
Band2	15MHz	QPSK	19125	38RB#18	21.21	PASS



Band2	15MHz	QPSK	19125	38RB#0	21.34	PASS
Band2	15MHz	QPSK	19125	38RB#37	21.39	PASS
Band2	15MHz	QPSK	19125	75RB#0	21.31	PASS
Band2	15MHz	16QAM	18675	1RB#0	21.20	PASS
Band2	15MHz	16QAM	18675	1RB#74	21.41	PASS
Band2	15MHz	16QAM	18675	1RB#38	21.38	PASS
Band2	15MHz	16QAM	18675	38RB#0	21.09	PASS
Band2	15MHz	16QAM	18675	38RB#37	21.27	PASS
Band2	15MHz	16QAM	18675	38RB#18	21.45	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.43	PASS
Band2	15MHz	16QAM	18900	1RB#38	21.19	PASS
Band2	15MHz	16QAM	18900	1RB#74	21.52	PASS
Band2	15MHz	16QAM	18900	1RB#0	21.50	PASS
Band2	15MHz	16QAM	18900	38RB#18	21.32	PASS
Band2	15MHz	16QAM	18900	38RB#0	21.38	PASS
Band2	15MHz	16QAM	18900	38RB#37	21.50	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.37	PASS
Band2	15MHz	16QAM	19125	1RB#74	21.42	PASS
Band2	15MHz	16QAM	19125	1RB#0	21.28	PASS
Band2	15MHz	16QAM	19125	1RB#38	21.38	PASS
Band2	15MHz	16QAM	19125	38RB#0	21.17	PASS
Band2	15MHz	16QAM	19125	38RB#37	21.33	PASS
Band2	15MHz	16QAM	19125	38RB#18	21.23	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.30	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.46	PASS
Band2	20MHz	QPSK	18700	1RB#49	22.55	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.28	PASS
Band2	20MHz	QPSK	18700	50RB#25	21.42	PASS
Band2	20MHz	QPSK	18700	50RB#0	21.42	PASS
Band2	20MHz	QPSK	18700	50RB#50	21.37	PASS
Band2	20MHz	QPSK	18700	100RB#0	21.39	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.67	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.49	PASS
Band2	20MHz	QPSK	18900	1RB#49	22.52	PASS
Band2	20MHz	QPSK	18900	50RB#25	21.38	PASS
Band2	20MHz	QPSK	18900	50RB#0	21.38	PASS
Band2	20MHz	QPSK	18900	50RB#50	21.46	PASS
Band2	20MHz	QPSK	18900	100RB#0	21.43	PASS



Band2	20MHz	QPSK	19100	1RB#0	22.54	PASS
Band2	20MHz	QPSK	19100	1RB#49	22.56	PASS
Band2	20MHz	QPSK	19100	1RB#99	22.41	PASS
Band2	20MHz	QPSK	19100	50RB#0	21.40	PASS
Band2	20MHz	QPSK	19100	50RB#25	21.41	PASS
Band2	20MHz	QPSK	19100	50RB#50	21.37	PASS
Band2	20MHz	QPSK	19100	100RB#0	21.43	PASS
Band2	20MHz	16QAM	18700	1RB#0	21.25	PASS
Band2	20MHz	16QAM	18700	1RB#49	21.57	PASS
Band2	20MHz	16QAM	18700	1RB#99	21.61	PASS
Band2	20MHz	16QAM	18700	50RB#50	21.47	PASS
Band2	20MHz	16QAM	18700	50RB#0	21.41	PASS
Band2	20MHz	16QAM	18700	50RB#25	21.40	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.47	PASS
Band2	20MHz	16QAM	18900	1RB#0	21.55	PASS
Band2	20MHz	16QAM	18900	1RB#49	21.61	PASS
Band2	20MHz	16QAM	18900	1RB#99	21.75	PASS
Band2	20MHz	16QAM	18900	50RB#0	21.40	PASS
Band2	20MHz	16QAM	18900	50RB#50	21.47	PASS
Band2	20MHz	16QAM	18900	50RB#25	21.42	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.43	PASS
Band2	20MHz	16QAM	19100	1RB#0	21.31	PASS
Band2	20MHz	16QAM	19100	1RB#99	21.24	PASS
Band2	20MHz	16QAM	19100	1RB#49	21.26	PASS
Band2	20MHz	16QAM	19100	50RB#0	21.46	PASS
Band2	20MHz	16QAM	19100	50RB#25	21.40	PASS
Band2	20MHz	16QAM	19100	50RB#50	21.35	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.41	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	21.23	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	21.41	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	21.26	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	21.30	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	21.30	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	21.34	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.25	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	21.59	PASS



Band4	1.4MHz	QPSK	20175	1RB#0	21.50	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	21.66	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	21.55	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	21.53	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	21.63	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	20.46	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	21.85	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	21.69	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	21.57	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	21.66	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	21.72	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	21.65	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	20.69	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	20.43	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	20.39	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	20.32	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	20.66	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	20.31	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	20.34	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.57	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	20.42	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	20.50	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	20.36	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	20.58	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	20.38	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	20.57	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.57	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	20.78	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	20.69	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	20.69	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	20.64	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	20.58	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	20.59	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.77	PASS
Band4	3MHz	QPSK	19965	1RB#14	21.23	PASS
Band4	3MHz	QPSK	19965	1RB#0	21.34	PASS
Band4	3MHz	QPSK	19965	1RB#8	21.25	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.60	PASS



Band4	3MHz	QPSK	19965	8RB#4	21.60	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.67	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.62	PASS
Band4	3MHz	QPSK	20175	1RB#14	21.61	PASS
Band4	3MHz	QPSK	20175	1RB#8	21.54	PASS
Band4	3MHz	QPSK	20175	1RB#0	21.52	PASS
Band4	3MHz	QPSK	20175	8RB#7	20.60	PASS
Band4	3MHz	QPSK	20175	8RB#0	20.48	PASS
Band4	3MHz	QPSK	20175	8RB#4	20.49	PASS
Band4	3MHz	QPSK	20175	15RB#0	20.52	PASS
Band4	3MHz	QPSK	20385	1RB#14	21.86	PASS
Band4	3MHz	QPSK	20385	1RB#8	21.71	PASS
Band4	3MHz	QPSK	20385	1RB#0	21.69	PASS
Band4	3MHz	QPSK	20385	8RB#4	20.63	PASS
Band4	3MHz	QPSK	20385	8RB#0	20.62	PASS
Band4	3MHz	QPSK	20385	8RB#7	20.58	PASS
Band4	3MHz	QPSK	20385	15RB#0	20.60	PASS
Band4	3MHz	16QAM	19965	1RB#8	20.63	PASS
Band4	3MHz	16QAM	19965	1RB#14	20.31	PASS
Band4	3MHz	16QAM	19965	1RB#0	20.65	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.66	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.63	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.73	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.64	PASS
Band4	3MHz	16QAM	20175	1RB#8	20.67	PASS
Band4	3MHz	16QAM	20175	1RB#14	20.84	PASS
Band4	3MHz	16QAM	20175	1RB#0	20.51	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.58	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.55	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.59	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.53	PASS
Band4	3MHz	16QAM	20385	1RB#14	20.79	PASS
Band4	3MHz	16QAM	20385	1RB#0	20.39	PASS
Band4	3MHz	16QAM	20385	1RB#8	20.42	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.63	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.67	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.68	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.67	PASS



Band4	5MHz	QPSK	19975	1RB#24	21.33	PASS
Band4	5MHz	QPSK	19975	1RB#12	21.28	PASS
Band4	5MHz	QPSK	19975	1RB#0	21.26	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.10	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.17	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.16	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.14	PASS
Band4	5MHz	QPSK	20175	1RB#24	21.65	PASS
Band4	5MHz	QPSK	20175	1RB#0	21.49	PASS
Band4	5MHz	QPSK	20175	1RB#12	21.65	PASS
Band4	5MHz	QPSK	20175	12RB#6	20.46	PASS
Band4	5MHz	QPSK	20175	12RB#0	20.44	PASS
Band4	5MHz	QPSK	20175	12RB#13	20.55	PASS
Band4	5MHz	QPSK	20175	25RB#0	20.51	PASS
Band4	5MHz	QPSK	20375	1RB#0	21.48	PASS
Band4	5MHz	QPSK	20375	1RB#12	21.66	PASS
Band4	5MHz	QPSK	20375	1RB#24	21.85	PASS
Band4	5MHz	QPSK	20375	12RB#0	20.68	PASS
Band4	5MHz	QPSK	20375	12RB#6	20.70	PASS
Band4	5MHz	QPSK	20375	12RB#13	20.74	PASS
Band4	5MHz	QPSK	20375	25RB#0	20.67	PASS
Band4	5MHz	16QAM	19975	1RB#0	20.58	PASS
Band4	5MHz	16QAM	19975	1RB#12	20.36	PASS
Band4	5MHz	16QAM	19975	1RB#24	20.64	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.21	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.15	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.10	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.18	PASS
Band4	5MHz	16QAM	20175	1RB#0	20.58	PASS
Band4	5MHz	16QAM	20175	1RB#12	20.56	PASS
Band4	5MHz	16QAM	20175	1RB#24	20.63	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.54	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.63	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.52	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.50	PASS
Band4	5MHz	16QAM	20375	1RB#0	20.77	PASS
Band4	5MHz	16QAM	20375	1RB#24	20.91	PASS
Band4	5MHz	16QAM	20375	1RB#12	20.70	PASS



Band4	5MHz	16QAM	20375	12RB#0	20.70	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.67	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.80	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.70	PASS
Band4	10MHz	QPSK	20000	1RB#0	21.35	PASS
Band4	10MHz	QPSK	20000	1RB#24	21.49	PASS
Band4	10MHz	QPSK	20000	1RB#49	21.35	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.19	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.21	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.29	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.20	PASS
Band4	10MHz	QPSK	20175	1RB#49	21.72	PASS
Band4	10MHz	QPSK	20175	1RB#0	21.59	PASS
Band4	10MHz	QPSK	20175	1RB#24	21.85	PASS
Band4	10MHz	QPSK	20175	25RB#0	20.46	PASS
Band4	10MHz	QPSK	20175	25RB#12	20.46	PASS
Band4	10MHz	QPSK	20175	25RB#25	20.60	PASS
Band4	10MHz	QPSK	20175	50RB#0	20.54	PASS
Band4	10MHz	QPSK	20350	1RB#24	21.71	PASS
Band4	10MHz	QPSK	20350	1RB#49	21.98	PASS
Band4	10MHz	QPSK	20350	1RB#0	21.69	PASS
Band4	10MHz	QPSK	20350	25RB#0	20.65	PASS
Band4	10MHz	QPSK	20350	25RB#25	20.73	PASS
Band4	10MHz	QPSK	20350	25RB#12	20.58	PASS
Band4	10MHz	QPSK	20350	50RB#0	20.62	PASS
Band4	10MHz	16QAM	20000	1RB#24	20.51	PASS
Band4	10MHz	16QAM	20000	1RB#49	20.52	PASS
Band4	10MHz	16QAM	20000	1RB#0	20.40	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.23	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.25	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.28	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.25	PASS
Band4	10MHz	16QAM	20175	1RB#49	20.71	PASS
Band4	10MHz	16QAM	20175	1RB#0	20.56	PASS
Band4	10MHz	16QAM	20175	1RB#24	20.51	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.61	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.50	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.51	PASS



Band4	10MHz	16QAM	20175	50RB#0	20.55	PASS
Band4	10MHz	16QAM	20350	1RB#24	20.75	PASS
Band4	10MHz	16QAM	20350	1RB#49	20.82	PASS
Band4	10MHz	16QAM	20350	1RB#0	20.57	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.71	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.57	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.58	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.60	PASS
Band4	15MHz	QPSK	20025	1RB#74	21.48	PASS
Band4	15MHz	QPSK	20025	1RB#0	21.32	PASS
Band4	15MHz	QPSK	20025	1RB#38	21.28	PASS
Band4	15MHz	QPSK	20025	38RB#37	20.38	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.13	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.09	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.21	PASS
Band4	15MHz	QPSK	20175	1RB#74	21.83	PASS
Band4	15MHz	QPSK	20175	1RB#38	21.59	PASS
Band4	15MHz	QPSK	20175	1RB#0	21.51	PASS
Band4	15MHz	QPSK	20175	38RB#0	20.33	PASS
Band4	15MHz	QPSK	20175	38RB#37	20.69	PASS
Band4	15MHz	QPSK	20175	38RB#18	20.52	PASS
Band4	15MHz	QPSK	20175	75RB#0	20.53	PASS
Band4	15MHz	QPSK	20325	1RB#74	21.83	PASS
Band4	15MHz	QPSK	20325	1RB#38	21.60	PASS
Band4	15MHz	QPSK	20325	1RB#0	21.84	PASS
Band4	15MHz	QPSK	20325	38RB#18	20.61	PASS
Band4	15MHz	QPSK	20325	38RB#0	20.81	PASS
Band4	15MHz	QPSK	20325	38RB#37	20.72	PASS
Band4	15MHz	QPSK	20325	75RB#0	20.61	PASS
Band4	15MHz	16QAM	20025	1RB#0	20.67	PASS
Band4	15MHz	16QAM	20025	1RB#74	20.49	PASS
Band4	15MHz	16QAM	20025	1RB#38	20.66	PASS
Band4	15MHz	16QAM	20025	38RB#0	20.62	PASS
Band4	15MHz	16QAM	20025	38RB#37	20.37	PASS
Band4	15MHz	16QAM	20025	38RB#18	20.64	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.29	PASS
Band4	15MHz	16QAM	20175	1RB#38	20.42	PASS
Band4	15MHz	16QAM	20175	1RB#74	20.76	PASS



Band4	15MHz	16QAM	20175	1RB#0	20.50	PASS
Band4	15MHz	16QAM	20175	38RB#18	20.39	PASS
Band4	15MHz	16QAM	20175	38RB#0	20.39	PASS
Band4	15MHz	16QAM	20175	38RB#37	20.66	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.61	PASS
Band4	15MHz	16QAM	20325	1RB#74	20.68	PASS
Band4	15MHz	16QAM	20325	1RB#0	20.72	PASS
Band4	15MHz	16QAM	20325	1RB#38	20.57	PASS
Band4	15MHz	16QAM	20325	38RB#0	20.77	PASS
Band4	15MHz	16QAM	20325	38RB#37	20.89	PASS
Band4	15MHz	16QAM	20325	38RB#18	20.63	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.61	PASS
Band4	20MHz	QPSK	20050	1RB#99	21.62	PASS
Band4	20MHz	QPSK	20050	1RB#49	21.46	PASS
Band4	20MHz	QPSK	20050	1RB#0	21.32	PASS
Band4	20MHz	QPSK	20050	50RB#25	20.30	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.12	PASS
Band4	20MHz	QPSK	20050	50RB#50	20.37	PASS
Band4	20MHz	QPSK	20050	100RB#0	20.36	PASS
Band4	20MHz	QPSK	20175	1RB#99	21.83	PASS
Band4	20MHz	QPSK	20175	1RB#0	21.64	PASS
Band4	20MHz	QPSK	20175	1RB#49	21.80	PASS
Band4	20MHz	QPSK	20175	50RB#25	20.47	PASS
Band4	20MHz	QPSK	20175	50RB#0	20.48	PASS
Band4	20MHz	QPSK	20175	50RB#50	20.66	PASS
Band4	20MHz	QPSK	20175	100RB#0	20.60	PASS
Band4	20MHz	QPSK	20300	1RB#0	21.83	PASS
Band4	20MHz	QPSK	20300	1RB#49	21.72	PASS
Band4	20MHz	QPSK	20300	1RB#99	21.91	PASS
Band4	20MHz	QPSK	20300	50RB#0	20.79	PASS
Band4	20MHz	QPSK	20300	50RB#25	20.80	PASS
Band4	20MHz	QPSK	20300	50RB#50	20.71	PASS
Band4	20MHz	QPSK	20300	100RB#0	20.74	PASS
Band4	20MHz	16QAM	20050	1RB#0	20.28	PASS
Band4	20MHz	16QAM	20050	1RB#49	20.59	PASS
Band4	20MHz	16QAM	20050	1RB#99	20.70	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.45	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.26	PASS



Band4	20MHz	16QAM	20050	50RB#25	20.28	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.31	PASS
Band4	20MHz	16QAM	20175	1RB#0	20.66	PASS
Band4	20MHz	16QAM	20175	1RB#49	20.84	PASS
Band4	20MHz	16QAM	20175	1RB#99	20.93	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.50	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.73	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.55	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.60	PASS
Band4	20MHz	16QAM	20300	1RB#0	20.54	PASS
Band4	20MHz	16QAM	20300	1RB#99	20.60	PASS
Band4	20MHz	16QAM	20300	1RB#49	20.46	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.77	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.38	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.42	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.32	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	21.27	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	21.35	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	21.20	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	21.34	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	21.35	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	21.28	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.27	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	21.33	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	21.41	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	21.46	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	21.36	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	21.35	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	21.37	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.26	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	21.56	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	21.52	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	21.69	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	21.56	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	21.56	PASS



Band5	1.4MHz	QPSK	20643	3RB#3	21.57	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	20.39	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	20.42	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	20.32	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	20.60	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	20.67	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	20.36	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	20.56	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.35	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	20.36	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	20.41	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	20.38	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	20.57	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	20.43	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	20.32	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.42	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	20.41	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	20.30	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	20.32	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	20.46	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	20.53	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	20.55	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.41	PASS
Band5	3MHz	QPSK	20415	1RB#8	21.27	PASS
Band5	3MHz	QPSK	20415	1RB#14	21.39	PASS
Band5	3MHz	QPSK	20415	1RB#0	21.40	PASS
Band5	3MHz	QPSK	20415	8RB#0	20.31	PASS
Band5	3MHz	QPSK	20415	8RB#4	20.59	PASS
Band5	3MHz	QPSK	20415	8RB#7	20.51	PASS
Band5	3MHz	QPSK	20415	15RB#0	20.64	PASS
Band5	3MHz	QPSK	20525	1RB#0	21.52	PASS
Band5	3MHz	QPSK	20525	1RB#14	21.51	PASS
Band5	3MHz	QPSK	20525	1RB#8	21.34	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.25	PASS
Band5	3MHz	QPSK	20525	8RB#0	20.39	PASS
Band5	3MHz	QPSK	20525	8RB#4	20.39	PASS
Band5	3MHz	QPSK	20525	15RB#0	20.36	PASS
Band5	3MHz	QPSK	20635	1RB#8	21.44	PASS



Band5	3MHz	QPSK	20635	1RB#0	21.38	PASS
Band5	3MHz	QPSK	20635	1RB#14	21.49	PASS
Band5	3MHz	QPSK	20635	8RB#0	20.33	PASS
Band5	3MHz	QPSK	20635	8RB#7	20.41	PASS
Band5	3MHz	QPSK	20635	8RB#4	20.34	PASS
Band5	3MHz	QPSK	20635	15RB#0	20.57	PASS
Band5	3MHz	16QAM	20415	1RB#14	20.39	PASS
Band5	3MHz	16QAM	20415	1RB#0	20.65	PASS
Band5	3MHz	16QAM	20415	1RB#8	20.43	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.68	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.60	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.66	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.58	PASS
Band5	3MHz	16QAM	20525	1RB#14	20.69	PASS
Band5	3MHz	16QAM	20525	1RB#0	20.54	PASS
Band5	3MHz	16QAM	20525	1RB#8	20.62	PASS
Band5	3MHz	16QAM	20525	8RB#7	20.57	PASS
Band5	3MHz	16QAM	20525	8RB#0	20.53	PASS
Band5	3MHz	16QAM	20525	8RB#4	20.54	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.52	PASS
Band5	3MHz	16QAM	20635	1RB#8	20.17	PASS
Band5	3MHz	16QAM	20635	1RB#0	20.31	PASS
Band5	3MHz	16QAM	20635	1RB#14	20.39	PASS
Band5	3MHz	16QAM	20635	8RB#0	20.49	PASS
Band5	3MHz	16QAM	20635	8RB#4	20.43	PASS
Band5	3MHz	16QAM	20635	8RB#7	20.48	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.53	PASS
Band5	5MHz	QPSK	20425	1RB#0	21.33	PASS
Band5	5MHz	QPSK	20425	1RB#12	21.42	PASS
Band5	5MHz	QPSK	20425	1RB#24	21.32	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.22	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.22	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.26	PASS
Band5	5MHz	QPSK	20425	25RB#0	20.34	PASS
Band5	5MHz	QPSK	20525	1RB#0	21.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	21.47	PASS
Band5	5MHz	QPSK	20525	1RB#12	21.41	PASS
Band5	5MHz	QPSK	20525	12RB#0	20.36	PASS



Band5	5MHz	QPSK	20525	12RB#6	20.33	PASS
Band5	5MHz	QPSK	20525	12RB#13	20.58	PASS
Band5	5MHz	QPSK	20525	25RB#0	20.30	PASS
Band5	5MHz	QPSK	20625	1RB#24	21.50	PASS
Band5	5MHz	QPSK	20625	1RB#0	21.35	PASS
Band5	5MHz	QPSK	20625	1RB#12	21.36	PASS
Band5	5MHz	QPSK	20625	12RB#0	20.30	PASS
Band5	5MHz	QPSK	20625	12RB#6	20.66	PASS
Band5	5MHz	QPSK	20625	12RB#13	20.33	PASS
Band5	5MHz	QPSK	20625	25RB#0	20.33	PASS
Band5	5MHz	16QAM	20425	1RB#0	20.47	PASS
Band5	5MHz	16QAM	20425	1RB#12	20.41	PASS
Band5	5MHz	16QAM	20425	1RB#24	20.50	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.11	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.22	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.24	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.32	PASS
Band5	5MHz	16QAM	20525	1RB#0	20.44	PASS
Band5	5MHz	16QAM	20525	1RB#12	20.34	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.24	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.38	PASS
Band5	5MHz	16QAM	20525	12RB#0	20.40	PASS
Band5	5MHz	16QAM	20525	12RB#6	20.44	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.39	PASS
Band5	5MHz	16QAM	20625	1RB#12	20.27	PASS
Band5	5MHz	16QAM	20625	1RB#0	20.40	PASS
Band5	5MHz	16QAM	20625	1RB#24	20.36	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.31	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.30	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.41	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.31	PASS
Band5	10MHz	QPSK	20450	1RB#49	21.47	PASS
Band5	10MHz	QPSK	20450	1RB#24	21.55	PASS
Band5	10MHz	QPSK	20450	1RB#0	21.45	PASS
Band5	10MHz	QPSK	20450	25RB#0	20.31	PASS
Band5	10MHz	QPSK	20450	25RB#12	20.33	PASS
Band5	10MHz	QPSK	20450	25RB#25	20.39	PASS
Band5	10MHz	QPSK	20450	50RB#0	20.33	PASS



Band5	10MHz	QPSK	20525	1RB#0	21.64	PASS
Band5	10MHz	QPSK	20525	1RB#49	21.34	PASS
Band5	10MHz	QPSK	20525	1RB#24	21.43	PASS
Band5	10MHz	QPSK	20525	25RB#25	20.38	PASS
Band5	10MHz	QPSK	20525	25RB#0	20.40	PASS
Band5	10MHz	QPSK	20525	25RB#12	20.41	PASS
Band5	10MHz	QPSK	20525	50RB#0	20.40	PASS
Band5	10MHz	QPSK	20600	1RB#24	21.49	PASS
Band5	10MHz	QPSK	20600	1RB#0	21.37	PASS
Band5	10MHz	QPSK	20600	1RB#49	21.52	PASS
Band5	10MHz	QPSK	20600	25RB#0	20.35	PASS
Band5	10MHz	QPSK	20600	25RB#25	20.34	PASS
Band5	10MHz	QPSK	20600	25RB#12	20.59	PASS
Band5	10MHz	QPSK	20600	50RB#0	20.58	PASS
Band5	10MHz	16QAM	20450	1RB#49	20.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	20.41	PASS
Band5	10MHz	16QAM	20450	1RB#24	20.56	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.46	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.34	PASS
Band5	10MHz	16QAM	20450	25RB#0	20.42	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.33	PASS
Band5	10MHz	16QAM	20525	1RB#49	20.54	PASS
Band5	10MHz	16QAM	20525	1RB#0	20.49	PASS
Band5	10MHz	16QAM	20525	1RB#24	20.34	PASS
Band5	10MHz	16QAM	20525	25RB#25	20.40	PASS
Band5	10MHz	16QAM	20525	25RB#0	20.50	PASS
Band5	10MHz	16QAM	20525	25RB#12	20.50	PASS
Band5	10MHz	16QAM	20525	50RB#0	20.47	PASS
Band5	10MHz	16QAM	20600	1RB#24	20.42	PASS
Band5	10MHz	16QAM	20600	1RB#0	20.56	PASS
Band5	10MHz	16QAM	20600	1RB#49	20.54	PASS
Band5	10MHz	16QAM	20600	25RB#0	20.59	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.53	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.55	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.56	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.94	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.45	PASS



Band7	5MHz	QPSK	21100	1RB#0	22.4	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.71	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.54	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.82	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.93	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.35	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.37	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.63	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.62	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.17	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.5	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.3	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.97	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.75	PASS
Band7	10MHz	QPSK	21100	25RB#0	21.68	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.54	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.21	PASS
Band7	10MHz	QPSK	21400	25RB#0	22.27	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.64	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.74	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.22	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.92	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.71	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.56	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.52	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.2	PASS
Band7	10MHz	16QAM	21400	25RB#0	22.49	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.91	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.85	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.9	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.78	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.41	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.93	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.32	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.09	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.92	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.47	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.36	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.02	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.4	PASS



Band7	20MHz	QPSK	20850	1RB#99	22.43	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.28	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.27	PASS
Band7	20MHz	QPSK	20850	50RB#0	22.35	PASS
Band7	20MHz	QPSK	20850	50RB#50	22.12	PASS
Band7	20MHz	QPSK	20850	50RB#25	22.32	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.35	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.25	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.46	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.24	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.29	PASS
Band7	20MHz	QPSK	21100	50RB#25	22.37	PASS
Band7	20MHz	QPSK	21100	50RB#50	22.26	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.36	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.57	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.14	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.32	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.22	PASS
Band7	20MHz	QPSK	21350	50RB#25	22.16	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.25	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.21	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.43	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.62	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.27	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.45	PASS
Band7	20MHz	16QAM	20850	50RB#0	21.22	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.48	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.26	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.15	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.17	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.35	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.42	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.16	PASS
Band7	20MHz	16QAM	21100	50RB#50	21.13	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.24	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.36	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.38	PASS



Band7	20MHz	16QAM	21350	1RB#49	21.07	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.25	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.45	PASS
Band7	20MHz	16QAM	21350	50RB#0	21.24	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.35	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	20.44	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	21.48	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	21.43	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	21.42	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	21.50	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	21.44	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	20.35	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	21.42	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	21.34	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	21.73	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	21.48	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	21.50	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	21.54	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	20.31	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	21.50	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	21.64	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	21.51	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	21.52	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	21.53	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	21.42	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	20.46	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	20.62	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	20.81	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	20.69	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	20.80	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	20.69	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	20.69	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	20.71	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	20.32	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	20.49	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	20.67	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	20.68	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	20.97	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	20.56	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	20.60	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	20.70	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	20.85	PASS

Band12	1.4MHz	16QAM	23173	1RB#5	20.72	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	20.38	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	20.38	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	20.61	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	20.66	PASS
Band12	3MHz	QPSK	23025	1RB#8	21.55	PASS
Band12	3MHz	QPSK	23025	1RB#14	21.81	PASS
Band12	3MHz	QPSK	23025	1RB#0	21.29	PASS
Band12	3MHz	QPSK	23025	8RB#0	20.65	PASS
Band12	3MHz	QPSK	23025	8RB#4	20.36	PASS
Band12	3MHz	QPSK	23025	8RB#7	20.52	PASS
Band12	3MHz	QPSK	23025	15RB#0	20.31	PASS
Band12	3MHz	QPSK	23095	1RB#0	21.56	PASS
Band12	3MHz	QPSK	23095	1RB#14	21.34	PASS
Band12	3MHz	QPSK	23095	1RB#8	21.32	PASS
Band12	3MHz	QPSK	23095	8RB#7	20.53	PASS
Band12	3MHz	QPSK	23095	8RB#0	20.40	PASS
Band12	3MHz	QPSK	23095	8RB#4	20.30	PASS
Band12	3MHz	QPSK	23095	15RB#0	20.55	PASS
Band12	3MHz	QPSK	23165	1RB#8	21.49	PASS
Band12	3MHz	QPSK	23165	1RB#0	21.63	PASS
Band12	3MHz	QPSK	23165	1RB#14	21.31	PASS
Band12	3MHz	QPSK	23165	8RB#0	20.46	PASS
Band12	3MHz	QPSK	23165	8RB#7	20.36	PASS
Band12	3MHz	QPSK	23165	8RB#4	20.47	PASS
Band12	3MHz	QPSK	23165	15RB#0	20.51	PASS
Band12	3MHz	16QAM	23025	1RB#14	20.56	PASS
Band12	3MHz	16QAM	23025	1RB#0	20.68	PASS
Band12	3MHz	16QAM	23025	1RB#8	20.47	PASS
Band12	3MHz	16QAM	23025	8RB#7	20.46	PASS
Band12	3MHz	16QAM	23025	8RB#4	20.29	PASS
Band12	3MHz	16QAM	23025	8RB#0	20.29	PASS
Band12	3MHz	16QAM	23025	15RB#0	20.45	PASS
Band12	3MHz	16QAM	23095	1RB#14	20.31	PASS
Band12	3MHz	16QAM	23095	1RB#0	20.30	PASS
Band12	3MHz	16QAM	23095	1RB#8	20.69	PASS
Band12	3MHz	16QAM	23095	8RB#7	20.09	PASS
Band12	3MHz	16QAM	23095	8RB#0	20.55	PASS



Band12	3MHz	16QAM	23095	8RB#4	20.56	PASS
Band12	3MHz	16QAM	23095	15RB#0	20.53	PASS
Band12	3MHz	16QAM	23165	1RB#8	20.35	PASS
Band12	3MHz	16QAM	23165	1RB#0	20.35	PASS
Band12	3MHz	16QAM	23165	1RB#14	20.69	PASS
Band12	3MHz	16QAM	23165	8RB#0	20.72	PASS
Band12	3MHz	16QAM	23165	8RB#4	20.53	PASS
Band12	3MHz	16QAM	23165	8RB#7	20.63	PASS
Band12	3MHz	16QAM	23165	15RB#0	20.39	PASS
Band12	5MHz	QPSK	23035	1RB#0	21.45	PASS
Band12	5MHz	QPSK	23035	1RB#12	21.82	PASS
Band12	5MHz	QPSK	23035	1RB#24	21.81	PASS
Band12	5MHz	QPSK	23035	12RB#0	20.32	PASS
Band12	5MHz	QPSK	23035	12RB#6	20.31	PASS
Band12	5MHz	QPSK	23035	12RB#13	20.51	PASS
Band12	5MHz	QPSK	23035	25RB#0	20.48	PASS
Band12	5MHz	QPSK	23095	1RB#0	21.28	PASS
Band12	5MHz	QPSK	23095	1RB#24	21.24	PASS
Band12	5MHz	QPSK	23095	1RB#12	21.28	PASS
Band12	5MHz	QPSK	23095	12RB#0	20.48	PASS
Band12	5MHz	QPSK	23095	12RB#6	20.38	PASS
Band12	5MHz	QPSK	23095	12RB#13	20.32	PASS
Band12	5MHz	QPSK	23095	25RB#0	20.69	PASS
Band12	5MHz	QPSK	23155	1RB#24	21.43	PASS
Band12	5MHz	QPSK	23155	1RB#0	21.51	PASS
Band12	5MHz	QPSK	23155	1RB#12	21.71	PASS
Band12	5MHz	QPSK	23155	12RB#0	20.47	PASS
Band12	5MHz	QPSK	23155	12RB#6	20.47	PASS
Band12	5MHz	QPSK	23155	12RB#13	20.41	PASS
Band12	5MHz	QPSK	23155	25RB#0	20.40	PASS
Band12	5MHz	16QAM	23035	1RB#0	20.60	PASS
Band12	5MHz	16QAM	23035	1RB#12	20.40	PASS
Band12	5MHz	16QAM	23035	1RB#24	20.30	PASS
Band12	5MHz	16QAM	23035	12RB#6	20.42	PASS
Band12	5MHz	16QAM	23035	12RB#0	20.52	PASS
Band12	5MHz	16QAM	23035	12RB#13	20.49	PASS
Band12	5MHz	16QAM	23035	25RB#0	20.48	PASS
Band12	5MHz	16QAM	23095	1RB#0	20.57	PASS



Band12	5MHz	16QAM	23095	1RB#12	20.52	PASS
Band12	5MHz	16QAM	23095	1RB#24	20.47	PASS
Band12	5MHz	16QAM	23095	12RB#13	20.30	PASS
Band12	5MHz	16QAM	23095	12RB#0	20.46	PASS
Band12	5MHz	16QAM	23095	12RB#6	20.46	PASS
Band12	5MHz	16QAM	23095	25RB#0	20.39	PASS
Band12	5MHz	16QAM	23155	1RB#12	20.34	PASS
Band12	5MHz	16QAM	23155	1RB#0	20.47	PASS
Band12	5MHz	16QAM	23155	1RB#24	20.52	PASS
Band12	5MHz	16QAM	23155	12RB#0	20.51	PASS
Band12	5MHz	16QAM	23155	12RB#6	20.50	PASS
Band12	5MHz	16QAM	23155	12RB#13	20.55	PASS
Band12	5MHz	16QAM	23155	25RB#0	20.66	PASS
Band12	10MHz	QPSK	23060	1RB#49	21.26	PASS
Band12	10MHz	QPSK	23060	1RB#24	21.73	PASS
Band12	10MHz	QPSK	23060	1RB#0	21.17	PASS
Band12	10MHz	QPSK	23060	25RB#0	20.46	PASS
Band12	10MHz	QPSK	23060	25RB#12	20.46	PASS
Band12	10MHz	QPSK	23060	25RB#25	20.41	PASS
Band12	10MHz	QPSK	23060	50RB#0	20.48	PASS
Band12	10MHz	QPSK	23095	1RB#0	21.53	PASS
Band12	10MHz	QPSK	23095	1RB#49	21.43	PASS
Band12	10MHz	QPSK	23095	1RB#24	21.46	PASS
Band12	10MHz	QPSK	23095	25RB#25	20.33	PASS
Band12	10MHz	QPSK	23095	25RB#0	20.36	PASS
Band12	10MHz	QPSK	23095	25RB#12	20.37	PASS
Band12	10MHz	QPSK	23095	50RB#0	20.30	PASS
Band12	10MHz	QPSK	23130	1RB#24	21.50	PASS
Band12	10MHz	QPSK	23130	1RB#0	21.17	PASS
Band12	10MHz	QPSK	23130	1RB#49	21.42	PASS
Band12	10MHz	QPSK	23130	25RB#0	20.42	PASS
Band12	10MHz	QPSK	23130	25RB#25	20.39	PASS
Band12	10MHz	QPSK	23130	25RB#12	20.41	PASS
Band12	10MHz	QPSK	23130	50RB#0	20.43	PASS
Band12	10MHz	16QAM	23060	1RB#49	20.89	PASS
Band12	10MHz	16QAM	23060	1RB#0	20.79	PASS
Band12	10MHz	16QAM	23060	1RB#24	20.66	PASS
Band12	10MHz	16QAM	23060	25RB#25	20.49	PASS



Band12	10MHz	16QAM	23060	25RB#12	20.60	PASS
Band12	10MHz	16QAM	23060	25RB#0	20.61	PASS
Band12	10MHz	16QAM	23060	50RB#0	20.86	PASS
Band12	10MHz	16QAM	23095	1RB#49	20.78	PASS
Band12	10MHz	16QAM	23095	1RB#0	20.96	PASS
Band12	10MHz	16QAM	23095	1RB#24	20.92	PASS
Band12	10MHz	16QAM	23095	25RB#25	20.40	PASS
Band12	10MHz	16QAM	23095	25RB#0	20.43	PASS
Band12	10MHz	16QAM	23095	25RB#12	20.55	PASS
Band12	10MHz	16QAM	23095	50RB#0	20.36	PASS
Band12	10MHz	16QAM	23130	1RB#24	20.65	PASS
Band12	10MHz	16QAM	23130	1RB#0	20.50	PASS
Band12	10MHz	16QAM	23130	1RB#49	20.48	PASS
Band12	10MHz	16QAM	23130	25RB#0	20.39	PASS
Band12	10MHz	16QAM	23130	25RB#12	20.54	PASS
Band12	10MHz	16QAM	23130	25RB#25	20.43	PASS
Band12	10MHz	16QAM	23130	50RB#0	20.49	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#12	21.61	PASS
Band13	5MHz	QPSK	23205	1RB#24	21.41	PASS
Band13	5MHz	QPSK	23205	1RB#0	20.40	PASS
Band13	5MHz	QPSK	23205	12RB#0	20.39	PASS
Band13	5MHz	QPSK	23205	12RB#6	20.37	PASS
Band13	5MHz	QPSK	23205	12RB#13	20.38	PASS
Band13	5MHz	QPSK	23205	25RB#0	20.41	PASS
Band13	5MHz	QPSK	23230	1RB#0	21.57	PASS
Band13	5MHz	QPSK	23230	1RB#12	21.32	PASS
Band13	5MHz	QPSK	23230	1RB#24	21.16	PASS
Band13	5MHz	QPSK	23230	12RB#0	20.44	PASS
Band13	5MHz	QPSK	23230	12RB#6	20.36	PASS
Band13	5MHz	QPSK	23230	12RB#13	20.55	PASS
Band13	5MHz	QPSK	23230	25RB#0	20.32	PASS
Band13	5MHz	QPSK	23255	1RB#24	21.36	PASS
Band13	5MHz	QPSK	23255	1RB#0	21.35	PASS
Band13	5MHz	QPSK	23255	1RB#12	21.46	PASS
Band13	5MHz	QPSK	23255	12RB#6	20.53	PASS
Band13	5MHz	QPSK	23255	12RB#0	20.44	PASS
Band13	5MHz	QPSK	23255	12RB#13	20.35	PASS



Band13	5MHz	QPSK	23255	25RB#0	20.49	PASS
Band13	5MHz	16QAM	23205	1RB#12	20.54	PASS
Band13	5MHz	16QAM	23205	1RB#0	20.59	PASS
Band13	5MHz	16QAM	23205	1RB#24	20.37	PASS
Band13	5MHz	16QAM	23205	12RB#13	20.51	PASS
Band13	5MHz	16QAM	23205	12RB#6	20.47	PASS
Band13	5MHz	16QAM	23205	12RB#0	20.50	PASS
Band13	5MHz	16QAM	23205	25RB#0	20.45	PASS
Band13	5MHz	16QAM	23230	1RB#0	20.59	PASS
Band13	5MHz	16QAM	23230	1RB#12	20.40	PASS
Band13	5MHz	16QAM	23230	1RB#24	20.61	PASS
Band13	5MHz	16QAM	23230	12RB#0	20.75	PASS
Band13	5MHz	16QAM	23230	12RB#6	20.65	PASS
Band13	5MHz	16QAM	23230	12RB#13	20.61	PASS
Band13	5MHz	16QAM	23230	25RB#0	20.64	PASS
Band13	5MHz	16QAM	23255	1RB#0	20.61	PASS
Band13	5MHz	16QAM	23255	1RB#12	20.61	PASS
Band13	5MHz	16QAM	23255	1RB#24	20.45	PASS
Band13	5MHz	16QAM	23255	12RB#13	20.51	PASS
Band13	5MHz	16QAM	23255	12RB#0	20.69	PASS
Band13	5MHz	16QAM	23255	12RB#6	20.59	PASS
Band13	5MHz	16QAM	23255	25RB#0	20.57	PASS
Band13	10MHz	QPSK	23230	1RB#49	21.25	PASS
Band13	10MHz	QPSK	23230	1RB#24	21.34	PASS
Band13	10MHz	QPSK	23230	1RB#0	21.14	PASS
Band13	10MHz	QPSK	23230	25RB#0	20.43	PASS
Band13	10MHz	QPSK	23230	25RB#12	20.43	PASS
Band13	10MHz	QPSK	23230	25RB#25	20.49	PASS
Band13	10MHz	QPSK	23230	50RB#0	20.32	PASS
Band13	10MHz	16QAM	23230	1RB#49	20.46	PASS
Band13	10MHz	16QAM	23230	1RB#0	20.57	PASS
Band13	10MHz	16QAM	23230	1RB#24	20.49	PASS
Band13	10MHz	16QAM	23230	25RB#0	20.62	PASS
Band13	10MHz	16QAM	23230	25RB#12	20.62	PASS
Band13	10MHz	16QAM	23230	25RB#25	20.38	PASS
Band13	10MHz	16QAM	23230	50RB#0	20.40	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	22.77	PASS



Band38	5MHz	QPSK	37775	25RB#0	22.63	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.48	PASS
Band38	5MHz	QPSK	38000	25RB#0	22.38	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.94	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.96	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.77	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.66	PASS
Band38	5MHz	16QAM	38000	1RB#0	22.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	21.43	PASS
Band38	5MHz	16QAM	38225	1RB#0	22.2	PASS
Band38	5MHz	16QAM	38225	25RB#0	21.03	PASS
Band38	10MHz	QPSK	37800	1RB#0	22.65	PASS
Band38	10MHz	QPSK	37800	25RB#0	22.56	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.6	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.62	PASS
Band38	10MHz	QPSK	38000	25RB#0	22.51	PASS
Band38	10MHz	QPSK	38000	50RB#0	22.44	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.13	PASS
Band38	10MHz	QPSK	38200	25RB#0	22.04	PASS
Band38	10MHz	QPSK	38200	50RB#0	22	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.88	PASS
Band38	10MHz	16QAM	37800	25RB#0	21.59	PASS
Band38	10MHz	16QAM	37800	50RB#0	21.6	PASS
Band38	10MHz	16QAM	38000	1RB#0	22.72	PASS
Band38	10MHz	16QAM	38000	25RB#0	21.57	PASS
Band38	10MHz	16QAM	38000	50RB#0	21.52	PASS
Band38	10MHz	16QAM	38200	1RB#0	22.02	PASS
Band38	10MHz	16QAM	38200	25RB#0	21.13	PASS
Band38	10MHz	16QAM	38200	50RB#0	21.08	PASS
Band38	15MHz	QPSK	37825	1RB#0	22.96	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.82	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.71	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.58	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.17	PASS
Band38	15MHz	QPSK	38175	75RB#0	22.22	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.88	PASS
Band38	15MHz	16QAM	37825	75RB#0	22.37	PASS
Band38	15MHz	16QAM	38000	1RB#0	22.66	PASS
Band38	15MHz	16QAM	38000	75RB#0	21.44	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.11	PASS
Band38	15MHz	16QAM	38175	75RB#0	21.1	PASS
Band38	20MHz	QPSK	37850	1RB#99	23.67	PASS
Band38	20MHz	QPSK	37850	1RB#0	23.73	PASS
Band38	20MHz	QPSK	37850	50RB#0	22.64	PASS
Band38	20MHz	QPSK	37850	100RB#0	22.59	PASS
Band38	20MHz	QPSK	38000	1RB#0	23.76	PASS



Band38	20MHz	QPSK	38000	1RB#99	23.35	PASS
Band38	20MHz	QPSK	38000	50RB#0	22.55	PASS
Band38	20MHz	QPSK	38000	100RB#0	22.41	PASS
Band38	20MHz	QPSK	38150	1RB#99	23.08	PASS
Band38	20MHz	QPSK	38150	1RB#0	23.28	PASS
Band38	20MHz	QPSK	38150	50RB#0	22.23	PASS
Band38	20MHz	QPSK	38150	100RB#0	22.09	PASS
Band38	20MHz	16QAM	37850	1RB#0	22.78	PASS
Band38	20MHz	16QAM	37850	1RB#99	22.73	PASS
Band38	20MHz	16QAM	37850	50RB#0	22.63	PASS
Band38	20MHz	16QAM	37850	100RB#0	22.59	PASS
Band38	20MHz	16QAM	38000	1RB#0	22.9	PASS
Band38	20MHz	16QAM	38000	1RB#99	22.57	PASS
Band38	20MHz	16QAM	38000	50RB#0	22.59	PASS
Band38	20MHz	16QAM	38000	100RB#0	22.44	PASS
Band38	20MHz	16QAM	38150	1RB#0	22.28	PASS
Band38	20MHz	16QAM	38150	1RB#99	22.01	PASS
Band38	20MHz	16QAM	38150	50RB#0	22.32	PASS
Band38	20MHz	16QAM	38150	100RB#0	22.11	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band40	5MHz	QPSK	38675	1RB#0	22.57	PASS
Band40	5MHz	QPSK	38675	25RB#0	21.54	PASS
Band40	5MHz	QPSK	38725	1RB#0	22.72	PASS
Band40	5MHz	QPSK	38725	25RB#0	21.67	PASS
Band40	5MHz	QPSK	38750	1RB#0	22.75	PASS
Band40	5MHz	QPSK	38750	25RB#0	21.7	PASS
Band40	5MHz	16QAM	38675	1RB#0	21.88	PASS
Band40	5MHz	16QAM	38675	25RB#0	21.56	PASS
Band40	5MHz	16QAM	38725	1RB#0	21.71	PASS
Band40	5MHz	16QAM	38725	25RB#0	21.71	PASS
Band40	5MHz	16QAM	38750	1RB#0	21.76	PASS
Band40	5MHz	16QAM	38750	25RB#0	21.74	PASS
Band40	10MHz	QPSK	38750	1RB#0	22.69	PASS
Band40	10MHz	QPSK	38750	25RB#0	21.65	PASS
Band40	10MHz	QPSK	38750	50RB#0	21.73	PASS
Band40	10MHz	16QAM	38750	1RB#0	21.93	PASS
Band40	10MHz	16QAM	38750	25RB#0	21.7	PASS
Band40	10MHz	16QAM	38750	50RB#0	21.74	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	40265	1RB#0	22.51	PASS
Band41	5MHz	QPSK	40265	25RB#0	22.61	PASS



Band41	5MHz	QPSK	40690	1RB#0	22.41	PASS
Band41	5MHz	QPSK	40690	25RB#0	22.25	PASS
Band41	5MHz	QPSK	41215	1RB#0	22.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	22.46	PASS
Band41	5MHz	16QAM	40265	1RB#0	22.55	PASS
Band41	5MHz	16QAM	40265	25RB#0	22.63	PASS
Band41	5MHz	16QAM	40690	1RB#0	22.64	PASS
Band41	5MHz	16QAM	40690	25RB#0	22.18	PASS
Band41	5MHz	16QAM	41215	1RB#0	22.52	PASS
Band41	5MHz	16QAM	41215	25RB#0	21.46	PASS
Band41	10MHz	QPSK	40290	1RB#0	22.73	PASS
Band41	10MHz	QPSK	40290	25RB#0	22.58	PASS
Band41	10MHz	QPSK	40290	50RB#0	22.75	PASS
Band41	10MHz	QPSK	40690	1RB#0	22.52	PASS
Band41	10MHz	QPSK	40690	25RB#0	22.38	PASS
Band41	10MHz	QPSK	40690	50RB#0	22.33	PASS
Band41	10MHz	QPSK	41190	1RB#0	22.54	PASS
Band41	10MHz	QPSK	41190	25RB#0	22.53	PASS
Band41	10MHz	QPSK	41190	50RB#0	22.52	PASS
Band41	10MHz	16QAM	40290	1RB#0	22.77	PASS
Band41	10MHz	16QAM	40290	25RB#0	22.72	PASS
Band41	10MHz	16QAM	40290	50RB#0	22.79	PASS
Band41	10MHz	16QAM	40690	1RB#0	22.4	PASS
Band41	10MHz	16QAM	40690	25RB#0	22.44	PASS
Band41	10MHz	16QAM	40690	50RB#0	22.37	PASS
Band41	10MHz	16QAM	41190	1RB#0	22.74	PASS
Band41	10MHz	16QAM	41190	25RB#0	21.55	PASS
Band41	10MHz	16QAM	41190	50RB#0	21.5	PASS
Band41	15MHz	QPSK	40315	1RB#0	22.66	PASS
Band41	15MHz	QPSK	40315	75RB#0	22.81	PASS
Band41	15MHz	QPSK	40690	1RB#0	22.57	PASS
Band41	15MHz	QPSK	40690	75RB#0	22.32	PASS
Band41	15MHz	QPSK	41165	1RB#0	22.54	PASS
Band41	15MHz	QPSK	41165	75RB#0	22.54	PASS
Band41	15MHz	16QAM	40315	1RB#0	22.84	PASS
Band41	15MHz	16QAM	40315	75RB#0	22.8	PASS
Band41	15MHz	16QAM	40690	1RB#0	22.47	PASS
Band41	15MHz	16QAM	40690	75RB#0	22.29	PASS
Band41	15MHz	16QAM	41165	1RB#0	22.67	PASS
Band41	15MHz	16QAM	41165	75RB#0	21.46	PASS
Band41	20MHz	QPSK	40340	1RB#99	22.86	PASS
Band41	20MHz	QPSK	40340	1RB#0	22.7	PASS
Band41	20MHz	QPSK	40340	50RB#0	22.62	PASS
Band41	20MHz	QPSK	40340	100RB#0	22.63	PASS
Band41	20MHz	QPSK	40690	1RB#99	22.2	PASS
Band41	20MHz	QPSK	40690	1RB#0	22.6	PASS



Band41	20MHz	QPSK	40690	50RB#0	22.51	PASS
Band41	20MHz	QPSK	40690	100RB#0	22.35	PASS
Band41	20MHz	QPSK	41140	1RB#99	22.47	PASS
Band41	20MHz	QPSK	41140	1RB#0	22.65	PASS
Band41	20MHz	QPSK	41140	50RB#0	22.52	PASS
Band41	20MHz	QPSK	41140	100RB#0	22.5	PASS
Band41	20MHz	16QAM	40340	1RB#0	22.96	PASS
Band41	20MHz	16QAM	40340	1RB#99	22.98	PASS
Band41	20MHz	16QAM	40340	50RB#0	22.65	PASS
Band41	20MHz	16QAM	40340	100RB#0	22.67	PASS
Band41	20MHz	16QAM	40690	1RB#0	22.59	PASS
Band41	20MHz	16QAM	40690	1RB#99	22.21	PASS
Band41	20MHz	16QAM	40690	50RB#0	22.59	PASS
Band41	20MHz	16QAM	40690	100RB#0	22.36	PASS
Band41	20MHz	16QAM	41140	1RB#0	22.62	PASS
Band41	20MHz	16QAM	41140	1RB#99	22.58	PASS
Band41	20MHz	16QAM	41140	50RB#0	21.56	PASS
Band41	20MHz	16QAM	41140	100RB#0	21.5	PASS

Duty Cycle:

Band 40 (2305-2315MHz)

Test Modulation	Test Bandwidth	Ton (ms)	Total (ms)	Duty Cycle (%)	Limit (%)
QPSK	5M	1.848	5.073	36.43	38
	10M	1.849	5.117	36.13	38
16QAM	5M	1.891	5.117	36.96	38
	10M	1.867	5.059	36.90	38

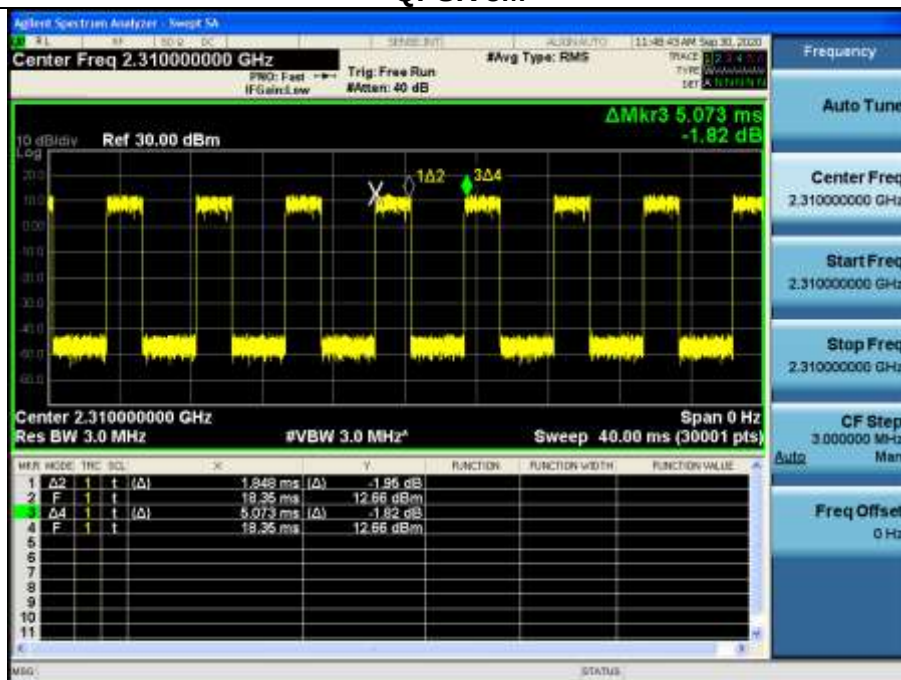
Band 40 (2350-2360MHz)

Test Modulation	Test Bandwidth	Ton (ms)	Total (ms)	Duty Cycle (%)	Limit (%)
QPSK	5M	1.863	5.041	36.96	38
	10M	1.872	5.133	36.47	38
16QAM	5M	1.848	5.093	36.29	38
	10M	1.888	5.129	36.81	38

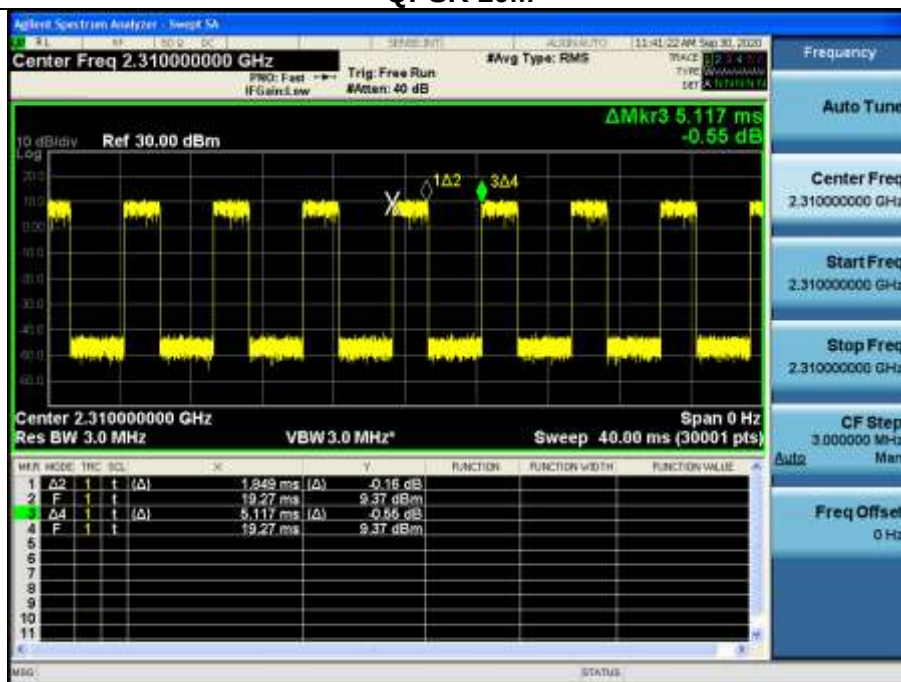


Duty Cycle: (2305-2315MHz)

QPSK 5M

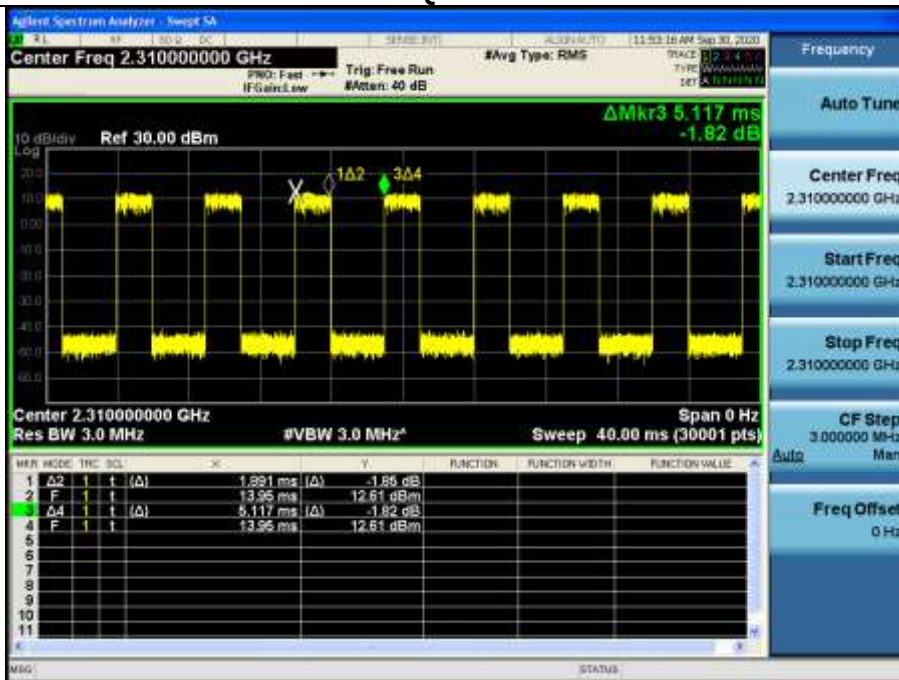


QPSK 10M

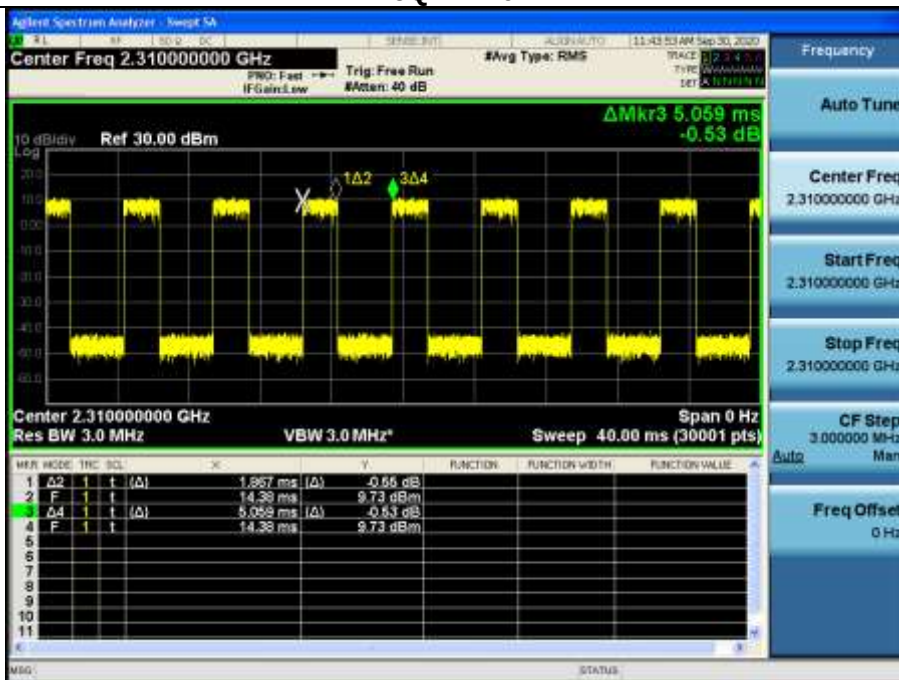




16QAM 5M



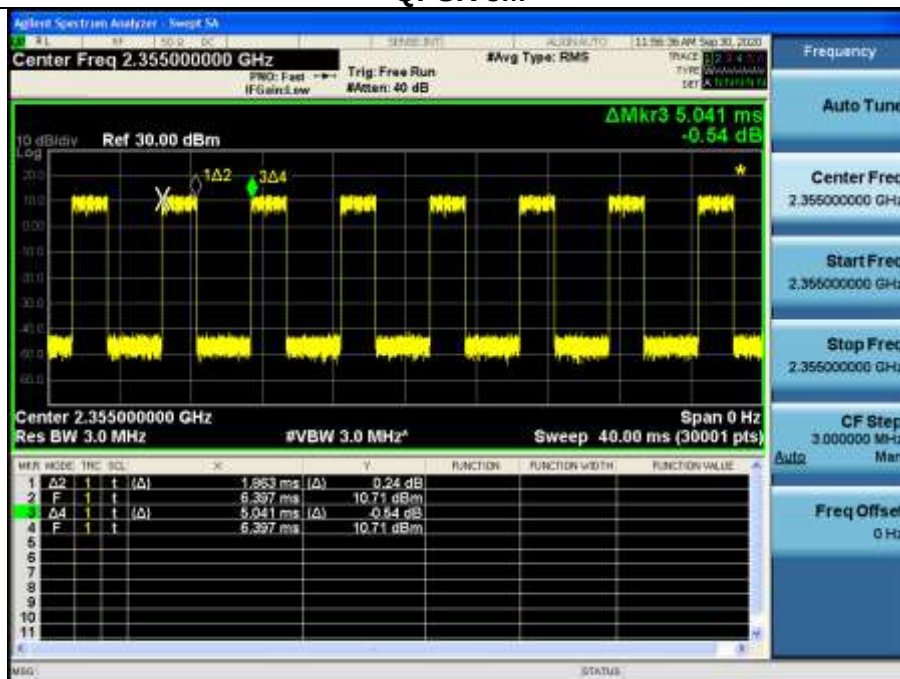
16QAM 10M



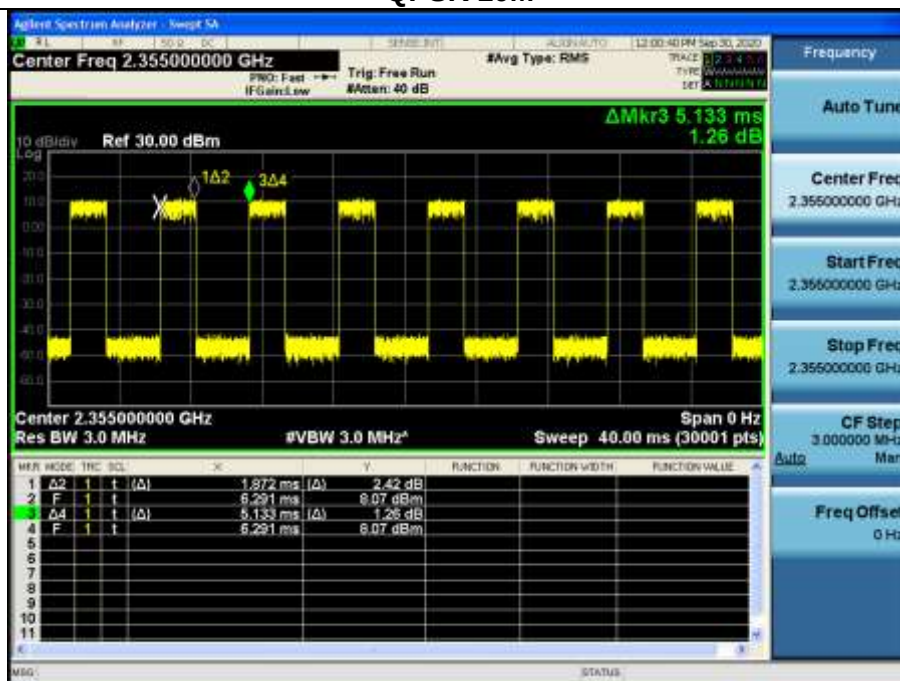


Duty Cycle: (2350-2360MHz)

QPSK 5M

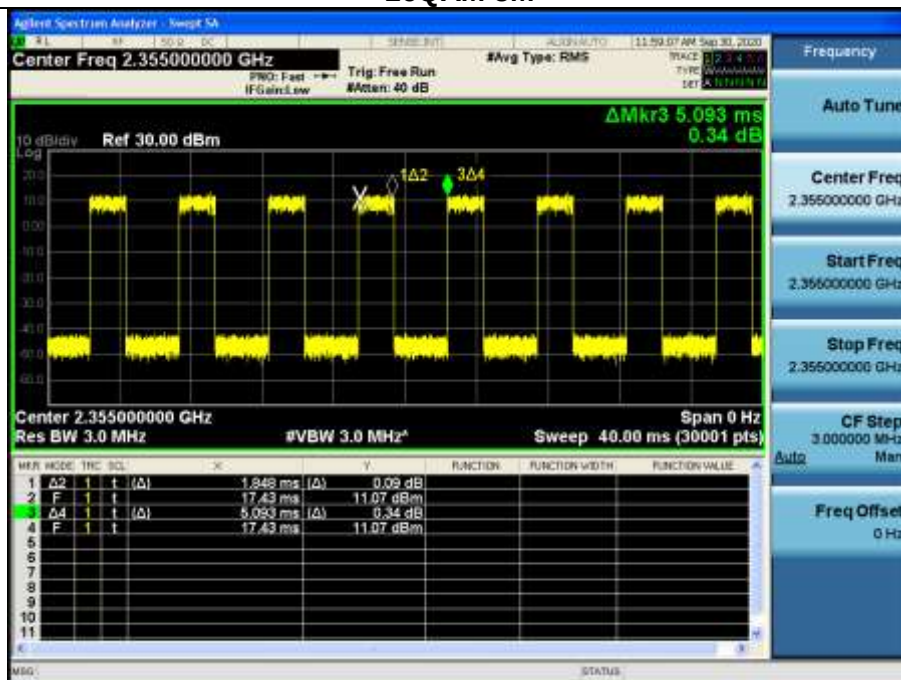


QPSK 10M

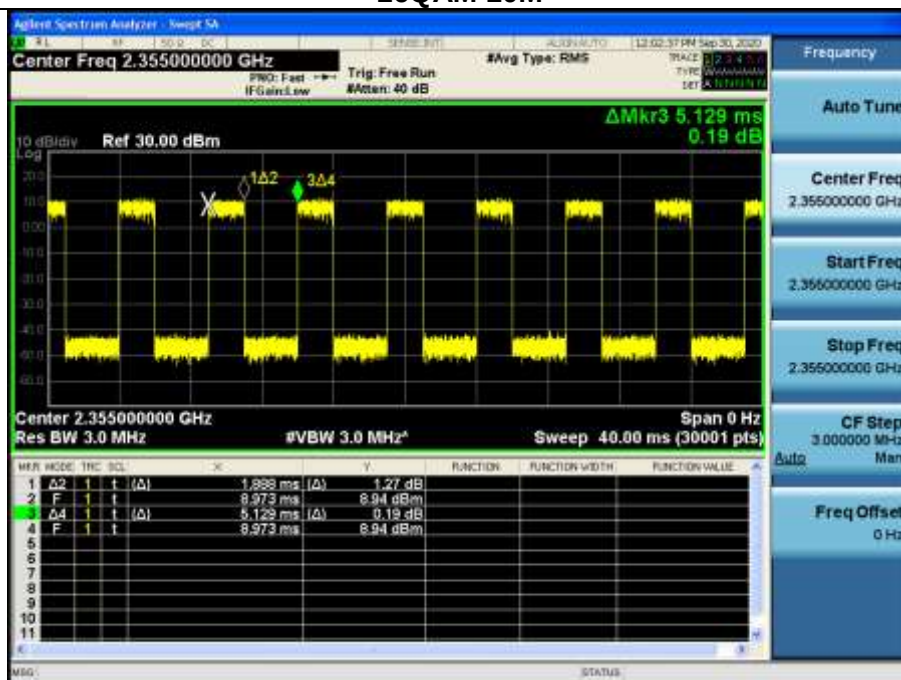




16QAM 5M



16QAM 10M



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

The EUT was placed on an non-conductive turntable using a nonconductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer.

During the measurement, the EUT was communication with the station. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna from 4m to 1m. The reading was recorded and the field strength (E in dBuV/m) was calculated.

ERP in frequency band below 1GHz were measured using a substitution method. The EUT was replaced by dipole antenna connected, the S.G. output was recorded and ERP was calculated as follows:

$$\text{ERP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBd)} - \text{Cable Loss (dB)}$$

EIRP in frequency band above 1GHz were measured using a substitution method. The EUT was replaced by or horn antenna connected, the S.G. output was recorded and EIRP was calculated as follows:

$$\text{EIRP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBi)} - \text{Cable Loss (dB)}$$

The worse case was relating to the conducted output power.

5.2.3 Test setup

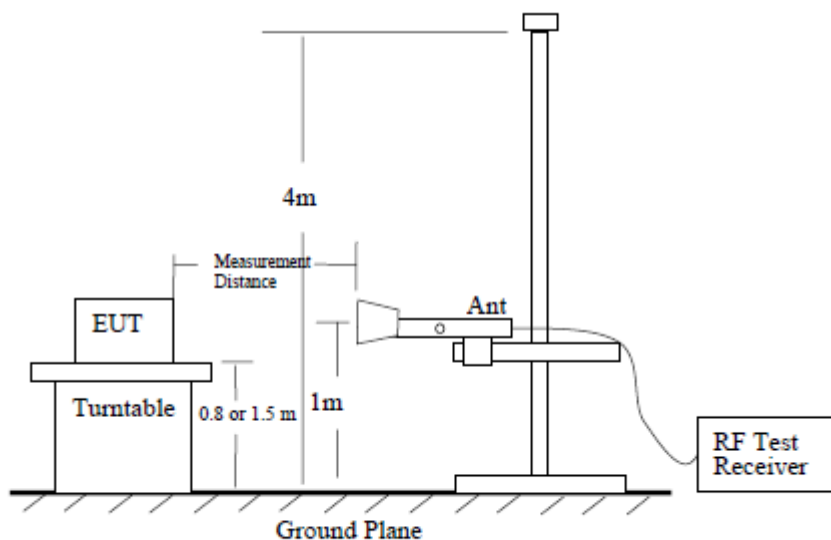


Figure 6—Test site-up for radiated ERP and/or EIRP measurements

5.2.4 Test results

LTE Band 2

Radiated Power (EIRP) for Band 2								
Mode	Frequency	Result						Conclusion
		SG Level (dBm)	Cable Loss (dB)	Antenna Gain (dB)	Max. EIRP (dBm)	Max. EIRP (mW)	Polar H/V	
1.4MHz Band QPSK	1850.7	14.40	0.47	8.60	22.53	179.041	Horizontal	Pass
	1880	13.26	0.47	8.60	21.39	137.743	Horizontal	Pass
	1909.3	13.45	0.46	8.60	21.59	144.266	Horizontal	Pass
1.4MHz Band 16 QAM	1850.7	13.14	0.47	8.60	21.27	133.835	Horizontal	Pass
	1880	14.56	0.47	8.60	22.69	185.750	Horizontal	Pass
	1909.3	13.82	0.46	8.60	21.96	157.072	Horizontal	Pass
3.0MHz Band QPSK	1851.5	14.67	0.47	8.60	22.80	190.416	Horizontal	Pass
	1880	13.93	0.47	8.60	22.06	160.579	Horizontal	Pass
	1908.5	13.61	0.46	8.60	21.75	149.687	Horizontal	Pass
3.0MHz Band 16 QAM	1851.5	13.91	0.47	8.60	22.04	159.905	Horizontal	Pass
	1880	14.45	0.47	8.60	22.58	181.287	Horizontal	Pass
	1908.5	13.83	0.46	8.60	21.97	157.300	Horizontal	Pass
5.0MHz Band QPSK	1852.5	14.57	0.47	8.60	22.70	186.177	Horizontal	Pass
	1880	13.73	0.47	8.60	21.86	153.460	Horizontal	Pass
	1907.5	13.53	0.46	8.60	21.67	146.944	Horizontal	Pass
5.0MHz Band 16 QAM	1852.5	13.97	0.47	8.60	22.10	162.177	Horizontal	Pass
	1880	14.68	0.47	8.60	22.81	190.891	Horizontal	Pass
	1907.5	13.50	0.46	8.60	21.64	145.950	Horizontal	Pass
10.0MHz Band QPSK	1855	13.92	0.47	8.60	22.05	160.289	Horizontal	Pass
	1880	13.17	0.47	8.60	21.30	134.849	Horizontal	Pass
	1905	14.47	0.46	8.60	22.61	182.517	Horizontal	Pass
10.0MHz Band 16 QAM	1855	13.93	0.47	8.60	22.06	160.616	Horizontal	Pass
	1880	14.60	0.47	8.60	22.73	187.491	Horizontal	Pass
	1905	13.75	0.46	8.60	21.89	154.528	Horizontal	Pass
15.0MHz Band QPSK	1857.5	13.79	0.47	8.60	21.92	155.612	Horizontal	Pass
	1880	13.97	0.47	8.60	22.10	162.257	Horizontal	Pass
	1902.5	14.10	0.46	8.60	22.24	167.337	Horizontal	Pass
15.0MHz Band 16 QAM	1857.5	13.70	0.47	8.60	21.83	152.471	Horizontal	Pass
	1880	14.11	0.47	8.60	22.24	167.455	Horizontal	Pass
	1902.5	14.42	0.47	8.60	22.55	179.855	Horizontal	Pass
20.0MHz Band QPSK	1860	13.61	0.47	8.60	21.74	149.313	Horizontal	Pass
	1880	13.81	0.46	8.60	21.95	156.776	Horizontal	Pass
	1900	14.08	0.47	8.60	22.21	166.418	Horizontal	Pass
20.0MHz Band 16 QAM	1860	13.32	0.47	8.60	21.45	139.593	Horizontal	Pass
	1880	13.77	0.47	8.60	21.90	154.937	Horizontal	Pass
	1900	13.91	0.47	8.60	22.04	159.783	Horizontal	Pass



Mode	Frequency	Result						Conclusion
		SG Level (dBm)	Cable Loss (dB)	Antenna Gain (dB)	Max. EIRP (dBm)	Max. EIRP (mW)	Polar H/V	
1.4MHz Band QPSK	1850.7	14.36	0.47	8.60	22.49	177.230	Vertical	Pass
	1880	13.30	0.47	8.60	21.43	138.976	Vertical	Pass
	1909.3	13.91	0.46	8.60	22.05	160.411	Vertical	Pass
1.4MHz Band 16 QAM	1850.7	13.04	0.47	8.60	21.17	131.025	Vertical	Pass
	1880	14.11	0.47	8.60	22.24	167.371	Vertical	Pass
	1909.3	13.62	0.46	8.60	21.76	149.815	Vertical	Pass
3.0MHz Band QPSK	1851.5	14.11	0.47	8.60	22.24	167.428	Vertical	Pass
	1880	13.63	0.47	8.60	21.76	149.893	Vertical	Pass
	1908.5	13.63	0.46	8.60	21.77	150.219	Vertical	Pass
3.0MHz Band 16 QAM	1851.5	14.03	0.47	8.60	22.16	164.424	Vertical	Pass
	1880	14.12	0.47	8.60	22.25	167.690	Vertical	Pass
	1908.5	13.79	0.46	8.60	21.93	155.867	Vertical	Pass
5.0MHz Band QPSK	1852.5	14.03	0.47	8.60	22.16	164.545	Vertical	Pass
	1880	13.36	0.47	8.60	21.49	140.780	Vertical	Pass
	1907.5	13.74	0.46	8.60	21.88	153.999	Vertical	Pass
5.0MHz Band 16 QAM	1852.5	13.68	0.47	8.60	21.81	151.635	Vertical	Pass
	1880	14.67	0.47	8.60	22.80	190.370	Vertical	Pass
	1907.5	13.79	0.46	8.60	21.93	155.984	Vertical	Pass
10.0MHz Band QPSK	1855	13.53	0.47	8.60	21.66	146.668	Vertical	Pass
	1880	13.53	0.47	8.60	21.66	146.621	Vertical	Pass
	1905	14.42	0.46	8.60	22.56	180.288	Vertical	Pass
10.0MHz Band 16 QAM	1855	13.86	0.47	8.60	21.99	158.213	Vertical	Pass
	1880	14.55	0.47	8.60	22.68	185.359	Vertical	Pass
	1905	14.02	0.46	8.60	22.16	164.573	Vertical	Pass
15.0MHz Band QPSK	1857.5	13.25	0.47	8.60	21.38	137.462	Vertical	Pass
	1880	14.40	0.47	8.60	22.53	179.227	Vertical	Pass
	1902.5	14.01	0.46	8.60	22.15	164.173	Vertical	Pass
15.0MHz Band 16 QAM	1857.5	13.16	0.47	8.60	21.29	134.663	Vertical	Pass
	1880	13.66	0.47	8.60	21.79	150.873	Vertical	Pass
	1902.5	14.33	0.47	8.60	22.46	176.075	Vertical	Pass
20.0MHz Band QPSK	1860	13.57	0.47	8.60	21.70	147.743	Vertical	Pass
	1880	13.82	0.46	8.60	21.96	156.967	Vertical	Pass
	1900	13.92	0.47	8.60	22.05	160.259	Vertical	Pass
20.0MHz	1860	13.37	0.47	8.60	21.50	141.383	Vertical	Pass



Band 16	1880	13.79	0.47	8.60	21.92	155.563	Vertical	Pass
QAM	1900	13.98	0.47	8.60	22.11	162.594	Vertical	Pass

LTE Band 4

Radiated Power (EIRP) for Band 4								
Mode	Frequency	Result						Conclusion
		SG Level (dBm)	Cable Loss (dB)	Antenna Gain (dB)	Max. EIRP (dBm)	Max. EIRP (mW)	Polar H/V	
1.4MHz Band QPSK	1710.7	12.93	0.39	8.4	20.94	124.178	Horizontal	Pass
	1732.5	13.27	0.35	8.4	21.32	135.453	Horizontal	Pass
	1754.3	14.16	0.32	8.4	22.24	167.369	Horizontal	Pass
1.4MHz Band 16 QAM	1710.7	13.93	0.39	8.4	21.94	156.489	Horizontal	Pass
	1732.5	14.03	0.35	8.4	22.08	161.282	Horizontal	Pass
	1754.3	13.84	0.32	8.4	21.92	155.730	Horizontal	Pass
3.0MHz Band QPSK	1711.5	13.24	0.39	8.4	21.25	133.430	Horizontal	Pass
	1732.5	13.53	0.35	8.4	21.58	143.765	Horizontal	Pass
	1753.5	13.36	0.32	8.4	21.44	139.302	Horizontal	Pass
3.0MHz Band 16 QAM	1711.5	13.88	0.39	8.4	21.89	154.640	Horizontal	Pass
	1732.5	13.96	0.35	8.4	22.01	158.887	Horizontal	Pass
	1753.5	13.81	0.32	8.4	21.89	154.615	Horizontal	Pass
5.0MHz Band QPSK	1712.5	14.14	0.39	8.4	22.15	164.125	Horizontal	Pass
	1732.5	13.72	0.35	8.4	21.77	150.153	Horizontal	Pass
	1752.5	14.55	0.32	8.4	22.63	183.284	Horizontal	Pass
5.0MHz Band 16 QAM	1712.5	14.25	0.39	8.4	22.26	168.427	Horizontal	Pass
	1732.5	13.91	0.35	8.4	21.96	157.086	Horizontal	Pass
	1752.5	13.81	0.32	8.4	21.89	154.627	Horizontal	Pass
10.0MHz Band QPSK	1715	13.74	0.39	8.4	21.75	149.682	Horizontal	Pass
	1732.5	14.32	0.35	8.4	22.37	172.738	Horizontal	Pass
	1750	13.98	0.32	8.4	22.06	160.649	Horizontal	Pass
10.0MHz Band 16 QAM	1715	14.13	0.39	8.4	22.14	163.819	Horizontal	Pass
	1732.5	14.15	0.35	8.4	22.20	165.830	Horizontal	Pass
	1750	13.65	0.32	8.4	21.73	148.904	Horizontal	Pass
15.0MHz Band QPSK	1717.5	13.55	0.39	8.4	21.56	143.115	Horizontal	Pass
	1732.5	13.54	0.35	8.4	21.59	144.060	Horizontal	Pass
	1747.5	13.49	0.32	8.4	21.57	143.465	Horizontal	Pass
15.0MHz Band 16	1717.5	13.94	0.39	8.4	21.95	156.714	Horizontal	Pass
	1732.5	13.84	0.35	8.4	21.89	154.448	Horizontal	Pass



QAM	1747.5	13.19	0.32	8.4	21.27	134.015	Horizontal	Pass
20.0MHz	1720	13.86	0.39	8.4	21.87	153.899	Horizontal	Pass
Band	1732.5	14.32	0.35	8.4	22.37	172.406	Horizontal	Pass
QPSK	1745	13.79	0.32	8.4	21.87	153.921	Horizontal	Pass
20.0MHz	1720	14.03	0.39	8.4	22.04	159.801	Horizontal	Pass
Band 16	1732.5	14.52	0.35	8.4	22.57	180.795	Horizontal	Pass
QAM	1745	13.47	0.32	8.4	21.55	142.776	Horizontal	Pass

Mode	Frequency	Result						Conclusion
		SG Level (dBm)	Cable Loss (dB)	Antenna Gain (dB)	Max. EIRP (dBm)	Max. EIRP (mW)	Polar H/V	
1.4MHz	1710.7	13.30	0.39	8.4	21.31	135.144	Vertical	Pass
Band	1732.5	13.71	0.35	8.4	21.76	150.029	Vertical	Pass
QPSK	1754.3	13.93	0.32	8.4	22.01	158.864	Vertical	Pass
1.4MHz	1710.7	13.85	0.39	8.4	21.86	153.498	Vertical	Pass
Band 16	1732.5	14.39	0.35	8.4	22.44	175.191	Vertical	Pass
QAM	1754.3	14.25	0.32	8.4	22.33	171.146	Vertical	Pass
3.0MHz	1711.5	13.08	0.39	8.4	21.09	128.419	Vertical	Pass
Band	1732.5	13.61	0.35	8.4	21.66	146.407	Vertical	Pass
QPSK	1753.5	13.66	0.32	8.4	21.74	149.335	Vertical	Pass
3.0MHz	1711.5	13.61	0.39	8.4	21.62	145.151	Vertical	Pass
Band 16	1732.5	14.04	0.35	8.4	22.09	161.722	Vertical	Pass
QAM	1753.5	14.14	0.32	8.4	22.22	166.831	Vertical	Pass
5.0MHz	1712.5	14.00	0.39	8.4	22.01	158.850	Vertical	Pass
Band	1732.5	13.62	0.35	8.4	21.67	146.928	Vertical	Pass
QPSK	1752.5	14.60	0.32	8.4	22.68	185.334	Vertical	Pass
5.0MHz	1712.5	14.25	0.39	8.4	22.26	168.217	Vertical	Pass
Band 16	1732.5	13.87	0.35	8.4	21.92	155.561	Vertical	Pass
QAM	1752.5	13.73	0.32	8.4	21.81	151.640	Vertical	Pass
10.0MHz	1715	13.66	0.39	8.4	21.67	146.870	Vertical	Pass
Band	1732.5	14.33	0.35	8.4	22.38	172.802	Vertical	Pass
QPSK	1750	13.98	0.32	8.4	22.06	160.521	Vertical	Pass
10.0MHz	1715	14.37	0.39	8.4	22.38	173.109	Vertical	Pass
Band 16	1732.5	14.06	0.35	8.4	22.11	162.536	Vertical	Pass
QAM	1750	13.57	0.32	8.4	21.65	146.063	Vertical	Pass
15.0MHz	1717.5	13.82	0.39	8.4	21.83	152.577	Vertical	Pass
Band	1732.5	13.77	0.35	8.4	21.82	152.018	Vertical	Pass



QPSK	1747.5	13.77	0.32	8.4	21.85	153.022	Vertical	Pass
15.0MHz	1717.5	14.35	0.39	8.4	22.36	172.173	Vertical	Pass
Band 16	1732.5	13.76	0.35	8.4	21.81	151.771	Vertical	Pass
QAM	1747.5	13.76	0.32	8.4	21.84	152.727	Vertical	Pass
20.0MHz	1720	13.98	0.39	8.4	21.99	157.972	Vertical	Pass
Band	1732.5	14.04	0.35	8.4	22.09	161.879	Vertical	Pass
QPSK	1745	13.65	0.32	8.4	21.73	148.917	Vertical	Pass
20.0MHz	1720	14.43	0.39	8.4	22.44	175.469	Vertical	Pass
Band 16	1732.5	14.36	0.35	8.4	22.41	174.156	Vertical	Pass
QAM	1745	13.70	0.32	8.4	21.78	150.787	Vertical	Pass

LTE Band 5

Radiated Power (ERP) for Band 5									
Mode	Frequency	Result							Concl usion
		SG Level (dBm)	Cable Loss (dBm)	Antenna Gain (dB)	Correction (dB)	Max. ERP (dBm)	Max. ERP (mW)	Polar H/V	
1.4MHz	824.7	6.93	2.01	19.68	2.15	22.45	175.961	Horizontal	Pass
Band	836.5	6.09	2.01	19.77	2.15	21.70	147.915	Horizontal	Pass
QPSK	848.3	6.78	2.02	19.82	2.15	22.43	174.893	Horizontal	Pass
1.4MHz	824.7	6.95	2.01	19.68	2.15	22.47	176.419	Horizontal	Pass
Band 16	836.5	6.04	2.01	19.77	2.15	21.65	146.126	Horizontal	Pass
QAM	848.3	6.53	2.02	19.82	2.15	22.18	165.374	Horizontal	Pass
3.0MHz	825.5	6.53	2.01	19.7	2.15	22.07	161.040	Horizontal	Pass
Band	836.5	6.16	2.01	19.77	2.15	21.77	150.210	Horizontal	Pass
QPSK	847.5	6.99	2.02	19.81	2.15	22.63	183.163	Horizontal	Pass
3.0MHz	825.5	6.69	2.01	19.7	2.15	22.23	167.264	Horizontal	Pass
Band 16	836.5	6.53	2.01	19.77	2.15	22.14	163.661	Horizontal	Pass
QAM	847.5	6.77	2.02	19.81	2.15	22.41	174.218	Horizontal	Pass
5.0MHz	826.5	6.14	2.01	19.71	2.15	21.69	147.688	Horizontal	Pass
Band	836.5	6.77	2.01	19.77	2.15	22.38	173.062	Horizontal	Pass
QPSK	846.5	6.43	2.02	19.79	2.15	22.05	160.496	Horizontal	Pass
5.0MHz	826.5	6.93	2.01	19.71	2.15	22.48	177.088	Horizontal	Pass
Band 16	836.5	6.40	2.01	19.77	2.15	22.01	158.861	Horizontal	Pass
QAM	846.5	6.23	2.02	19.79	2.15	21.85	153.206	Horizontal	Pass
10.0MHz	829	6.74	2.01	19.73	2.15	22.31	170.229	Horizontal	Pass
Band	836.5	6.80	2.01	19.77	2.15	22.41	174.115	Horizontal	Pass
QPSK	844	6.87	2.02	19.78	2.15	22.48	177.048	Horizontal	Pass



10.0MHz	829	6.82	2.01	19.73	2.15	22.39	173.195	Horizontal	Pass
Band 16	836.5	6.70	2.01	19.77	2.15	22.31	170.121	Horizontal	Pass
QAM	844	6.11	2.02	19.78	2.15	21.72	148.520	Horizontal	Pass

Mode	Frequency	Result							Conclusion
		SG Level (dBm)	Cable Loss (dBm)	Antenna Gain (dB)	Correction (dB)	Max. ERP (dBm)	Max. ERP (mW)	Polar H/V	
1.4MHz Band QPSK	824.7	6.42	2.01	19.68	2.15	21.94	156.372	Vertical	Pass
	836.5	6.95	2.01	19.77	2.15	22.56	180.271	Vertical	Pass
	848.3	7.12	2.02	19.82	2.15	22.77	189.043	Vertical	Pass
1.4MHz Band 16 QAM	824.7	6.63	2.01	19.68	2.15	22.15	163.909	Vertical	Pass
	836.5	7.34	2.01	19.77	2.15	22.95	197.462	Vertical	Pass
	848.3	6.52	2.02	19.82	2.15	22.17	164.943	Vertical	Pass
3.0MHz Band QPSK	825.5	6.88	2.01	19.7	2.15	22.42	174.696	Vertical	Pass
	836.5	7.25	2.01	19.77	2.15	22.86	193.399	Vertical	Pass
	847.5	6.63	2.02	19.81	2.15	22.27	168.804	Vertical	Pass
3.0MHz Band 16 QAM	825.5	6.51	2.01	19.7	2.15	22.05	160.318	Vertical	Pass
	836.5	6.75	2.01	19.77	2.15	22.36	172.219	Vertical	Pass
	847.5	7.46	2.02	19.81	2.15	23.10	203.948	Vertical	Pass
5.0MHz Band QPSK	826.5	6.87	2.01	19.71	2.15	22.42	174.523	Vertical	Pass
	836.5	7.48	2.01	19.77	2.15	23.09	203.691	Vertical	Pass
	846.5	7.26	2.02	19.79	2.15	22.88	194.298	Vertical	Pass
5.0MHz Band 16 QAM	826.5	6.70	2.01	19.71	2.15	22.25	167.971	Vertical	Pass
	836.5	7.47	2.01	19.77	2.15	23.08	203.166	Vertical	Pass
	846.5	7.18	2.02	19.79	2.15	22.80	190.411	Vertical	Pass
10.0MHz Band QPSK	829	6.74	2.01	19.73	2.15	22.31	170.223	Vertical	Pass
	836.5	7.49	2.01	19.77	2.15	23.10	204.133	Vertical	Pass
	844	6.67	2.02	19.78	2.15	22.28	169.076	Vertical	Pass
10.0MHz Band 16 QAM	829	7.19	2.01	19.73	2.15	22.76	188.849	Vertical	Pass
	836.5	6.65	2.01	19.77	2.15	22.26	168.214	Vertical	Pass
	844	7.42	2.02	19.78	2.15	23.03	201.078	Vertical	Pass



LTE Band 7

Radiated Power (EIRP) for Band 7								
Mode	Frequency	Result						Conclusion
		SG Level (dBm)	Cable Loss (dB)	Antenna Gain (dB)	Max. EIRP (dBm)	Max. EIRP (mW)	Polar H/V	
5.0MHz Band QPSK	2502.5	15.34	4.54	10.2	21.00	125.958	Horizontal	Pass
	2535	15.82	4.69	10.2	21.33	135.784	Horizontal	Pass
	2567.5	16.37	4.71	10.2	21.86	153.433	Horizontal	Pass
5.0MHz Band 16 QAM	2502.5	15.27	4.54	10.2	20.93	123.978	Horizontal	Pass
	2535	16.24	4.69	10.2	21.75	149.482	Horizontal	Pass
	2567.5	15.01	4.71	10.2	20.50	112.102	Horizontal	Pass
10.0MHz Band QPSK	2505	15.50	4.55	10.2	21.15	130.188	Horizontal	Pass
	2535	16.24	4.69	10.2	21.75	149.596	Horizontal	Pass
	2565	16.02	4.72	10.2	21.50	141.214	Horizontal	Pass
10.0MHz Band 16 QAM	2505	15.60	4.55	10.2	21.25	133.433	Horizontal	Pass
	2535	15.78	4.69	10.2	21.29	134.536	Horizontal	Pass
	2565	16.16	4.72	10.2	21.64	145.793	Horizontal	Pass
15.0MHz Band QPSK	2507.5	16.04	4.55	10.2	21.69	147.649	Horizontal	Pass
	2535	16.27	4.69	10.2	21.78	150.806	Horizontal	Pass
	2562.5	16.27	4.72	10.2	21.75	149.535	Horizontal	Pass
15.0MHz Band 16 QAM	2507.5	15.59	4.55	10.2	21.24	132.914	Horizontal	Pass
	2535	16.30	4.69	10.2	21.81	151.840	Horizontal	Pass
	2562.5	15.31	4.72	10.2	20.79	119.977	Horizontal	Pass
20.0MHz Band QPSK	2510	15.91	4.57	10.2	21.54	142.674	Horizontal	Pass
	2535	16.26	4.73	10.2	21.73	148.937	Horizontal	Pass
	2560	16.08	4.75	10.2	21.53	142.086	Horizontal	Pass
20.0MHz Band 16 QAM	2510	16.05	4.57	10.2	21.68	147.155	Horizontal	Pass
	2535	15.83	4.73	10.2	21.30	134.764	Horizontal	Pass
	2560	15.46	4.75	10.2	20.91	123.348	Horizontal	Pass

Mode	Frequency	Result						Conclusion
		SG Level (dBm)	Cable Loss (dB)	Antenna Gain (dB)	Max. EIRP (dBm)	Max. EIRP (mW)	Polar H/V	
5.0MHz Band QPSK	2502.5	15.20	4.54	10.2	20.86	121.946	Vertical	Pass
	2535	15.27	4.69	10.2	20.78	119.672	Vertical	Pass
	2567.5	16.52	4.71	10.2	22.01	158.747	Vertical	Pass
5.0MHz Band 16 QAM	2502.5	15.27	4.54	10.2	20.93	123.915	Vertical	Pass
	2535	16.10	4.69	10.2	21.61	144.749	Vertical	Pass
	2567.5	15.43	4.71	10.2	20.92	123.693	Vertical	Pass
10.0MHz Band QPSK	2505	15.90	4.55	10.2	21.55	142.985	Vertical	Pass
	2535	16.16	4.69	10.2	21.67	147.009	Vertical	Pass
	2565	16.00	4.72	10.2	21.48	140.737	Vertical	Pass
10.0MHz Band 16 QAM	2505	15.99	4.55	10.2	21.64	145.767	Vertical	Pass
	2535	15.64	4.69	10.2	21.15	130.210	Vertical	Pass
	2565	15.83	4.72	10.2	21.31	135.321	Vertical	Pass
15.0MHz Band QPSK	2507.5	15.83	4.55	10.2	21.48	140.609	Vertical	Pass
	2535	15.91	4.69	10.2	21.42	138.807	Vertical	Pass
	2562.5	16.18	4.72	10.2	21.66	146.414	Vertical	Pass
15.0MHz Band 16 QAM	2507.5	15.84	4.55	10.2	21.49	141.087	Vertical	Pass
	2535	16.03	4.69	10.2	21.54	142.516	Vertical	Pass
	2562.5	15.11	4.72	10.2	20.59	114.630	Vertical	Pass
20.0MHz Band QPSK	2510	16.07	4.57	10.2	21.70	148.028	Vertical	Pass
	2535	16.43	4.73	10.2	21.90	154.762	Vertical	Pass
	2560	15.72	4.75	10.2	21.17	130.788	Vertical	Pass
20.0MHz Band 16 QAM	2510	16.12	4.57	10.2	21.75	149.504	Vertical	Pass
	2535	15.18	4.73	10.2	20.65	116.269	Vertical	Pass
	2560	15.39	4.75	10.2	20.84	121.313	Vertical	Pass



LTE Band 12

Radiated Power (ERP) for Band 12									
Mode	Frequency	Result							Conclusion
		SG Level (dBm)	Cable Loss (dBm)	Antenna Gain (dB)	Correction (dB)	Max. ERP (dBm)	Max. ERP (mW)	Polar H/V	
1.4MHz Band QPSK	699.7	23.13	2.01	0.74	2.15	19.71	93.55	Horizontal	Pass
	707.5	23.62	2.01	0.74	2.15	20.20	104.71	Horizontal	Pass
	715.3	22.80	2.02	0.74	2.15	19.37	86.43	Horizontal	Pass
1.4MHz Band 16 QAM	699.7	24.82	2.01	0.74	2.15	21.40	137.89	Horizontal	Pass
	707.5	23.66	2.01	0.74	2.15	20.24	105.64	Horizontal	Pass
	715.3	23.48	2.02	0.74	2.15	20.05	101.22	Horizontal	Pass
3.0MHz Band QPSK	700.5	24.21	2.01	0.74	2.15	20.79	120.09	Horizontal	Pass
	707.5	22.45	2.01	0.74	2.15	19.03	79.95	Horizontal	Pass
	714.5	23.34	2.02	0.74	2.15	19.91	97.84	Horizontal	Pass
3.0MHz Band 16 QAM	700.5	24.28	2.01	0.74	2.15	20.86	121.95	Horizontal	Pass
	707.5	24.67	2.01	0.74	2.15	21.25	133.25	Horizontal	Pass
	714.5	24.91	2.02	0.74	2.15	21.48	140.63	Horizontal	Pass
5.0MHz Band QPSK	701.5	24.03	2.01	0.74	2.15	20.61	114.97	Horizontal	Pass
	707.5	24.74	2.01	0.74	2.15	21.32	135.51	Horizontal	Pass
	713.5	23.10	2.02	0.74	2.15	19.67	92.64	Horizontal	Pass
5.0MHz Band 16 QAM	701.5	24.76	2.01	0.74	2.15	21.34	136.24	Horizontal	Pass
	707.5	22.33	2.01	0.74	2.15	18.91	77.78	Horizontal	Pass
	713.5	24.76	2.02	0.74	2.15	21.33	135.75	Horizontal	Pass
10.0MHz Band QPSK	704	23.86	2.01	0.74	2.15	20.44	110.70	Horizontal	Pass
	707.5	24.80	2.01	0.74	2.15	21.38	137.45	Horizontal	Pass
	711	24.35	2.02	0.74	2.15	20.92	123.57	Horizontal	Pass
10.0MHz Band 16 QAM	704	25.65	2.01	0.74	2.15	22.23	167.25	Horizontal	Pass
	707.5	21.93	2.01	0.74	2.15	18.51	70.99	Horizontal	Pass
	711	24.83	2.02	0.74	2.15	21.40	137.93	Horizontal	Pass



Mode	Frequency	Result							Conclusion
		SG Level (dBm)	Cable Loss (dBm)	Antenna Gain (dB)	Correction (dB)	Max. ERP (dBm)	Max. ERP (mW)	Polar H/V	
1.4MHz Band QPSK	699.7	23.10	2.01	0.74	2.15	19.68	92.97	Vertical	Pass
	707.5	24.60	2.01	0.74	2.15	21.18	131.32	Vertical	Pass
	715.3	23.17	2.02	0.74	2.15	19.74	94.16	Vertical	Pass
1.4MHz Band 16 QAM	699.7	23.83	2.01	0.74	2.15	20.41	109.95	Vertical	Pass
	707.5	24.16	2.01	0.74	2.15	20.74	118.59	Vertical	Pass
	715.3	23.22	2.02	0.74	2.15	19.79	95.36	Vertical	Pass
3.0MHz Band QPSK	700.5	24.44	2.01	0.74	2.15	21.02	126.54	Vertical	Pass
	707.5	23.48	2.01	0.74	2.15	20.06	101.29	Vertical	Pass
	714.5	23.61	2.02	0.74	2.15	20.18	104.27	Vertical	Pass
3.0MHz Band 16 QAM	700.5	24.13	2.01	0.74	2.15	20.71	117.75	Vertical	Pass
	707.5	25.27	2.01	0.74	2.15	21.85	153.03	Vertical	Pass
	714.5	23.55	2.02	0.74	2.15	20.12	102.88	Vertical	Pass
5.0MHz Band QPSK	701.5	22.45	2.01	0.74	2.15	19.03	80.04	Vertical	Pass
	707.5	24.74	2.01	0.74	2.15	21.32	135.51	Vertical	Pass
	713.5	23.81	2.02	0.74	2.15	20.38	109.22	Vertical	Pass
5.0MHz Band 16 QAM	701.5	25.10	2.01	0.74	2.15	21.68	147.40	Vertical	Pass
	707.5	22.95	2.01	0.74	2.15	19.53	89.85	Vertical	Pass
	713.5	23.93	2.02	0.74	2.15	20.50	112.30	Vertical	Pass
10.0MHz Band QPSK	704	24.27	2.01	0.74	2.15	20.85	121.71	Vertical	Pass
	707.5	25.47	2.01	0.74	2.15	22.05	160.49	Vertical	Pass
	711	23.95	2.02	0.74	2.15	20.52	112.60	Vertical	Pass
10.0MHz Band 16 QAM	704	24.36	2.01	0.74	2.15	20.94	124.27	Vertical	Pass
	707.5	21.66	2.01	0.74	2.15	18.24	66.67	Vertical	Pass
	711	23.25	2.02	0.74	2.15	19.82	95.95	Vertical	Pass



LTE Band 13

Radiated Power (ERP) for Band 13									
Mode	Frequency	Result							Conclusion
		SG Level (dBm)	Cable Loss (dBm)	Antenna Gain (dB)	Correction (dB)	Max. ERP (dBm)	Max. ERP (mW)	Polar H/V	
5.0MHz Band QPSK	779.5	25.74	2.01	0.74	2.15	22.32	170.77	Horizontal	Pass
	782	25.06	2.01	0.74	2.15	21.64	145.91	Horizontal	Pass
	784.5	23.90	2.02	0.74	2.15	20.47	111.38	Horizontal	Pass
5.0MHz Band 16 QAM	779.5	25.23	2.01	0.74	2.15	21.81	151.62	Horizontal	Pass
	782	26.29	2.01	0.74	2.15	22.87	193.49	Horizontal	Pass
	784.5	24.98	2.02	0.74	2.15	21.55	143.02	Horizontal	Pass
10.0MHz Band QPSK	782	25.93	2.01	0.74	2.15	22.51	178.17	Horizontal	Pass
10.0MHz Band 16 QAM	782	25.97	2.01	0.74	2.15	22.55	179.83	Horizontal	Pass

Mode	Frequency	Result							Conclusion
		SG Level (dBm)	Cable Loss (dBm)	Antenna Gain (dB)	Correction (dB)	Max. ERP (dBm)	Max. ERP (mW)	Polar H/V	
5.0MHz Band QPSK	779.5	25.71	2.01	0.74	2.15	22.29	169.34	Vertical	Pass
	782	24.82	2.01	0.74	2.15	21.40	137.91	Vertical	Pass
	784.5	23.28	2.02	0.74	2.15	19.85	96.59	Vertical	Pass
5.0MHz Band 16 QAM	779.5	24.67	2.01	0.74	2.15	21.25	133.34	Vertical	Pass
	782	25.06	2.01	0.74	2.15	21.64	145.79	Vertical	Pass
	784.5	25.65	2.02	0.74	2.15	22.22	166.83	Vertical	Pass
10.0MHz Band QPSK	782	24.41	2.01	0.74	2.15	20.99	125.53	Vertical	Pass
10.0MHz Band 16 QAM	782	25.07	2.01	0.74	2.15	21.65	146.28	Vertical	Pass



LTE Band 38

Radiated Power (EIRP) for Band 38								
Mode	Frequency	Result						Conclusion
		SG Level (dBm)	Cable Loss (dB)	Antenna Gain (dB)	Max. EIRP (dBm)	Max. EIRP (mW)	Polar H/V	
5MHz Band QPSK	2572.5	15.97	4.54	10.20	21.63	145.438	Horizontal	Pass
	2595	16.35	4.69	10.20	21.86	153.440	Horizontal	Pass
	2617.5	16.12	4.71	10.10	21.51	141.520	Horizontal	Pass
5MHz Band 16 QAM	2572.5	15.88	4.54	10.20	21.54	142.687	Horizontal	Pass
	2595	15.70	4.69	10.20	21.21	131.991	Horizontal	Pass
	2617.5	16.05	4.71	10.10	21.44	139.347	Horizontal	Pass
10MHz Band QPSK	2575	15.84	4.55	10.20	21.49	140.944	Horizontal	Pass
	2595	15.71	4.69	10.20	21.22	132.431	Horizontal	Pass
	2615	15.75	4.72	10.10	21.13	129.843	Horizontal	Pass
10MHz Band 16 QAM	2575	16.13	4.55	10.20	21.78	150.697	Horizontal	Pass
	2595	15.93	4.69	10.20	21.44	139.445	Horizontal	Pass
	2615	16.27	4.72	10.10	21.65	146.130	Horizontal	Pass
15MHz Band QPSK	2577.5	16.09	4.55	10.20	21.74	149.300	Horizontal	Pass
	2595	15.91	4.69	10.20	21.42	138.750	Horizontal	Pass
	2612.5	15.88	4.72	10.10	21.26	133.610	Horizontal	Pass
15MHz Band 16 QAM	2577.5	15.90	4.55	10.20	21.55	142.959	Horizontal	Pass
	2595	16.07	4.69	10.20	21.58	143.723	Horizontal	Pass
	2612.5	15.63	4.72	10.10	21.01	126.225	Horizontal	Pass
20MHz Band QPSK	2580	16.35	4.57	10.20	21.98	157.915	Horizontal	Pass
	2595	16.25	4.73	10.20	21.72	148.475	Horizontal	Pass
	2610	16.29	4.75	10.10	21.64	145.825	Horizontal	Pass
20MHz Band 16 QAM	2580	16.14	4.57	10.20	21.77	150.437	Horizontal	Pass
	2595	15.89	4.73	10.20	21.36	136.814	Horizontal	Pass
	2610	15.88	4.75	10.10	21.23	132.637	Horizontal	Pass



Mode	Frequency	Result						Conclusion
		SG Level (dBm)	Cable Loss (dB)	Antenna Gain (dB)	Max. EIRP (dBm)	Max. EIRP (mW)	Polar H/V	
5MHz Band QPSK	2572.5	15.71	4.54	10.20	21.37	137.004	Vertical	Pass
	2595	15.76	4.69	10.20	21.27	133.920	Vertical	Pass
	2617.5	16.26	4.71	10.10	21.65	146.108	Vertical	Pass
5MHz Band 16 QAM	2572.5	16.16	4.54	10.20	21.82	151.956	Vertical	Pass
	2595	16.34	4.69	10.20	21.85	152.993	Vertical	Pass
	2617.5	15.71	4.71	10.10	21.10	128.772	Vertical	Pass
10MHz Band QPSK	2575	15.83	4.55	10.20	21.48	140.716	Vertical	Pass
	2595	15.80	4.69	10.20	21.31	135.168	Vertical	Pass
	2615	15.74	4.72	10.10	21.12	129.410	Vertical	Pass
10MHz Band 16 QAM	2575	15.77	4.55	10.20	21.42	138.765	Vertical	Pass
	2595	15.80	4.69	10.20	21.31	135.171	Vertical	Pass
	2615	16.02	4.72	10.10	21.40	137.986	Vertical	Pass
15MHz Band QPSK	2577.5	16.36	4.55	10.20	22.01	158.672	Vertical	Pass
	2595	16.19	4.69	10.20	21.70	147.887	Vertical	Pass
	2612.5	15.87	4.72	10.10	21.25	133.200	Vertical	Pass
15MHz Band 16 QAM	2577.5	15.92	4.55	10.20	21.57	143.442	Vertical	Pass
	2595	16.12	4.69	10.20	21.63	145.448	Vertical	Pass
	2612.5	16.06	4.72	10.10	21.44	139.349	Vertical	Pass
20MHz Band QPSK	2580	15.66	4.57	10.20	21.29	134.463	Vertical	Pass
	2595	15.65	4.73	10.20	21.12	129.361	Vertical	Pass
	2610	15.88	4.75	10.10	21.23	132.834	Vertical	Pass
20MHz Band 16 QAM	2580	16.12	4.57	10.20	21.75	149.552	Vertical	Pass
	2595	16.36	4.73	10.20	21.83	152.279	Vertical	Pass
	2610	16.06	4.75	10.10	21.41	138.365	Vertical	Pass



LTE Band 40

Radiated Power (EIRP) for Band 40(2305-2315MHz)								
Mode	Frequency	Result						Conclusion
		SG Level (dBm)	Cable Loss (dB)	Antenna Gain (dB)	Max. EIRP (dBm)	Max. EIRP (mW)	Polar H/V	
5.0MHz Band QPSK	2307.5	16.33	4.54	9.6	21.39	137.686	Horizontal	Pass
	2312.5	16.19	4.54	9.6	21.25	133.476	Horizontal	Pass
5.0MHz Band 16QAM	2307.5	15.77	4.54	9.6	20.83	120.925	Horizontal	Pass
	2312.5	15.71	4.54	9.6	20.77	119.506	Horizontal	Pass
10.0MHz Band QPSK	2310	15.40	4.55	9.6	20.45	110.936	Horizontal	Pass
10.0MHz Band 16QAM	2310	15.97	4.55	9.6	21.02	126.361	Horizontal	Pass
5.0MHz Band QPSK	2307.5	16.08	4.54	9.6	21.14	130.119	Vertical	Pass
	2312.5	15.89	4.54	9.6	20.95	124.378	Vertical	Pass
5.0MHz Band 16 QAM	2307.5	15.69	4.54	9.6	20.75	118.749	Vertical	Pass
	2312.5	16.17	4.54	9.6	21.23	132.736	Vertical	Pass
10.0MHz Band QPSK	2310	16.09	4.55	9.6	21.14	130.119	Vertical	Pass
10.0MHz Band 16QAM	2310	15.64	4.55	9.6	20.69	117.307	Vertical	Pass



Radiated Power (EIRP) for Band 40(2350-2360MHz)								
Mode	Frequency	Result						Conclusion
		SG Level (dBm)	Cable Loss (dB)	Antenna Gain (dB)	Max. EIRP (dBm)	Max. EIRP (mW)	Polar H/V	
5.0MHz Band QPSK	2352.5	17.14	4.54	9.6	22.20	166.029	Horizontal	Pass
	2357.5	15.73	4.54	9.6	20.79	119.962	Horizontal	Pass
5.0MHz Band 16QAM	2352.5	15.65	4.54	9.6	20.71	117.732	Horizontal	Pass
	2357.5	15.95	4.54	9.6	21.01	126.269	Horizontal	Pass
10.0MHz Band QPSK	2355	15.30	4.55	9.6	20.35	108.345	Horizontal	Pass
10.0MHz Band 16QAM	2355	16.02	4.55	9.6	21.07	127.894	Horizontal	Pass
5.0MHz Band QPSK	2352.5	16.05	4.54	9.6	21.11	129.235	Vertical	Pass
	2357.5	16.46	4.54	9.6	21.52	141.875	Vertical	Pass
5.0MHz Band 16 QAM	2352.5	16.17	4.54	9.6	21.23	132.711	Vertical	Pass
	2357.5	16.02	4.54	9.6	21.08	128.110	Vertical	Pass
10.0MHz Band QPSK	2355	15.86	4.55	9.6	20.91	123.427	Vertical	Pass
10.0MHz Band 16QAM	2355	16.23	4.55	9.6	21.28	134.399	Vertical	Pass

LTE Band 41

Radiated Power (EIRP) for Band 41								
Mode	Frequency	Result						Conclusion
		SG Level (dBm)	Cable Loss (dB)	Antenna Gain (dB)	Max. EIRP (dBm)	Max. EIRP (mW)	Polar H/V	
5.0MHz Band QPSK	2557.5	15.76	4.54	10.2	21.42	138.753	Horizontal	Pass
	2605	14.65	4.69	10.2	20.16	103.744	Horizontal	Pass
	2652.5	14.65	4.71	10.4	20.34	108.197	Horizontal	Pass
5.0MHz Band 16 QAM	2557.5	15.46	4.54	10.2	21.12	129.342	Horizontal	Pass
	2605	14.73	4.69	10.2	20.24	105.643	Horizontal	Pass
	2652.5	16.02	4.71	10.4	21.71	148.093	Horizontal	Pass
10.0MHz Band QPSK	2560	14.60	4.55	10.2	20.25	105.872	Horizontal	Pass
	2605	15.35	4.69	10.2	20.86	121.782	Horizontal	Pass
	2650	14.61	4.72	10.4	20.29	106.843	Horizontal	Pass
10.0MHz Band 16 QAM	2560	15.81	4.55	10.2	21.46	139.939	Horizontal	Pass
	2605	15.70	4.69	10.2	21.21	131.982	Horizontal	Pass
	2650	15.88	4.72	10.4	21.56	143.210	Horizontal	Pass
15.0MHz Band QPSK	2562.5	15.46	4.55	10.2	21.11	129.095	Horizontal	Pass
	2605	15.84	4.69	10.2	21.35	136.362	Horizontal	Pass
	2647.5	16.29	4.72	10.4	21.97	157.409	Horizontal	Pass
15.0MHz Band 16 QAM	2562.5	15.55	4.55	10.2	21.20	131.831	Horizontal	Pass
	2605	15.45	4.69	10.2	20.96	124.730	Horizontal	Pass
	2647.5	15.49	4.72	10.4	21.17	130.783	Horizontal	Pass
20.0MHz Band QPSK	2565	14.97	4.57	10.2	20.60	114.791	Horizontal	Pass
	2605	15.09	4.73	10.2	20.56	113.850	Horizontal	Pass
	2645	15.79	4.75	10.4	21.44	139.193	Horizontal	Pass
20.0MHz Band 16 QAM	2565	14.87	4.57	10.2	20.50	112.107	Horizontal	Pass
	2605	16.27	4.73	10.2	21.74	149.296	Horizontal	Pass
	2645	15.68	4.75	10.4	21.33	135.939	Horizontal	Pass



Mode	Frequency	Result						Conclusion
		SG Level (dBm)	Cable Loss (dB)	Antenna Gain (dB)	Max. EIRP (dBm)	Max. EIRP (mW)	Polar H/V	
5.0MHz Band QPSK	2557.5	16.70	4.54	10.2	22.36	172.313	Vertical	Pass
	2605	15.59	4.69	10.2	21.10	128.966	Vertical	Pass
	2652.5	15.88	4.71	10.4	21.57	143.425	Vertical	Pass
5.0MHz Band 16 QAM	2557.5	15.35	4.54	10.2	21.01	126.069	Vertical	Pass
	2605	16.98	4.69	10.2	22.49	177.622	Vertical	Pass
	2652.5	15.55	4.71	10.4	21.24	132.931	Vertical	Pass
10.0MHz Band QPSK	2560	15.41	4.55	10.2	21.06	127.752	Vertical	Pass
	2605	17.00	4.69	10.2	22.51	178.150	Vertical	Pass
	2650	16.26	4.72	10.4	21.94	156.350	Vertical	Pass
10.0MHz Band 16 QAM	2560	16.90	4.55	10.2	22.55	180.074	Vertical	Pass
	2605	15.43	4.69	10.2	20.94	124.188	Vertical	Pass
	2650	15.50	4.72	10.4	21.18	131.358	Vertical	Pass
15.0MHz Band QPSK	2562.5	15.71	4.55	10.2	21.36	136.927	Vertical	Pass
	2605	16.13	4.69	10.2	21.64	145.768	Vertical	Pass
	2647.5	17.02	4.72	10.4	22.70	186.221	Vertical	Pass
15.0MHz Band 16 QAM	2562.5	15.41	4.55	10.2	21.06	127.646	Vertical	Pass
	2605	15.54	4.69	10.2	21.05	127.251	Vertical	Pass
	2647.5	16.71	4.72	10.4	22.39	173.327	Vertical	Pass
20.0MHz Band QPSK	2565	16.14	4.57	10.2	21.77	150.389	Vertical	Pass
	2605	16.19	4.73	10.2	21.66	146.607	Vertical	Pass
	2645	16.44	4.75	10.4	22.09	161.769	Vertical	Pass
20.0MHz Band 16 QAM	2565	16.46	4.57	10.2	22.09	161.636	Vertical	Pass
	2605	16.82	4.73	10.2	22.29	169.398	Vertical	Pass
	2645	15.39	4.75	10.4	21.04	127.125	Vertical	Pass

5.3 Peak-to-Average Ratio

5.3.1 Limit

Not exceed 13 dB

5.3.2 Test procedure

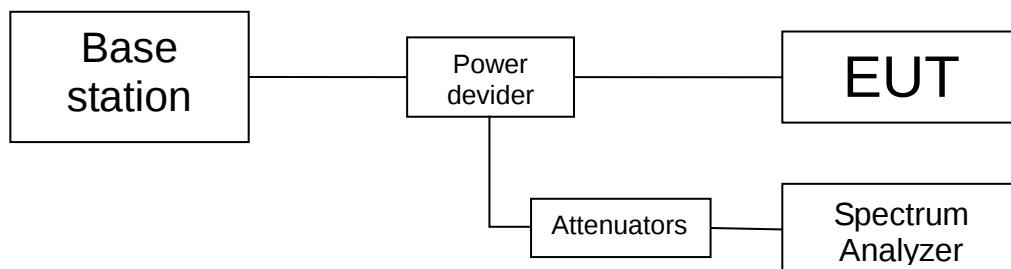
FCC: CFR Part 24.232 (d), 27.50(a)

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 $\geq$ signal's occupied bandwidth;
- c) Set the number of counts to a value that stabilizes the measured CCDF curve;
- d) Set the measurement interval 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

Note: All mode has been tested, only worst data (Max. bandwidth, Middle channel) shown in this report.

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	4.48	13	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	5.05	13	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	4.42	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	4.95	13	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	4.08	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	4.76	13	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	5.49	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	5.89	13	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	5.33	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	5.79	13	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	5.12	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	5.69	13	PASS
Band2	3MHz	QPSK	18615	1RB#0	4.46	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	5.13	13	PASS
Band2	3MHz	QPSK	18900	1RB#0	4.42	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.03	13	PASS
Band2	3MHz	QPSK	19185	1RB#0	4.04	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	4.56	13	PASS
Band2	3MHz	16QAM	18615	1RB#0	5.52	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	5.95	13	PASS
Band2	3MHz	16QAM	18900	1RB#0	5.38	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	5.84	13	PASS
Band2	3MHz	16QAM	19185	1RB#0	5.10	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	5.39	13	PASS
Band2	10MHz	QPSK	18650	1RB#0	4.42	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.21	13	PASS
Band2	10MHz	QPSK	18900	1RB#0	4.28	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.00	13	PASS
Band2	10MHz	QPSK	19150	1RB#0	4.35	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	4.89	13	PASS
Band2	10MHz	16QAM	18650	1RB#0	5.39	13	PASS
Band2	10MHz	16QAM	18650	50RB#0	6.00	13	PASS
Band2	10MHz	16QAM	18900	1RB#0	5.21	13	PASS
Band2	10MHz	16QAM	18900	50RB#0	5.80	13	PASS
Band2	10MHz	16QAM	19150	1RB#0	5.26	13	PASS
Band2	10MHz	16QAM	19150	50RB#0	5.78	13	PASS
Band2	15MHz	QPSK	18675	1RB#0	4.41	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	5.35	13	PASS
Band2	15MHz	QPSK	18900	1RB#0	4.28	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	5.18	13	PASS
Band2	15MHz	QPSK	19125	1RB#0	4.65	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	5.12	13	PASS
Band2	15MHz	16QAM	18675	1RB#0	5.51	13	PASS
Band2	15MHz	16QAM	18675	75RB#0	6.06	13	PASS
Band2	15MHz	16QAM	18900	1RB#0	5.33	13	PASS



Band2	15MHz	16QAM	18900	75RB#0	5.89	13	PASS
Band2	15MHz	16QAM	19125	1RB#0	5.54	13	PASS
Band2	15MHz	16QAM	19125	75RB#0	5.91	13	PASS
Band2	20MHz	QPSK	18700	1RB#0	4.44	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.16	13	PASS
Band2	20MHz	QPSK	18900	1RB#0	4.35	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.10	13	PASS
Band2	20MHz	QPSK	19100	1RB#0	4.63	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.09	13	PASS
Band2	20MHz	16QAM	18700	1RB#0	5.49	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.01	13	PASS
Band2	20MHz	16QAM	18900	1RB#0	5.40	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.90	13	PASS
Band2	20MHz	16QAM	19100	1RB#0	5.65	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.98	13	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	4.43	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	4.98	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	4.67	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.10	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	4.61	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.10	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	5.49	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	5.84	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	5.67	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.96	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	5.58	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	5.89	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	4.51	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	4.98	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	4.69	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.11	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	4.76	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.06	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	5.51	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	5.81	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	5.56	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.96	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	5.66	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	5.88	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	4.47	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.96	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	4.65	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.18	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	4.61	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.13	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	5.43	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	5.83	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	5.67	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.92	13	PASS
Band4	5MHz	16QAM	20375	1RB#0	5.57	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.95	13	PASS



Band4	10MHz	QPSK	20000	1RB#0	4.46	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.08	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	4.58	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.17	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	4.57	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.11	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	5.47	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	5.93	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	5.67	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.00	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	5.68	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	5.95	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	4.43	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.26	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	4.55	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.36	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	4.55	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.27	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	5.41	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.01	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	5.64	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.09	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	5.65	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	5.98	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	4.35	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.09	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	4.46	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.17	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	4.53	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.08	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	5.44	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.94	13	PASS
Band4	20MHz	16QAM	20175	1RB#0	5.30	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.98	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	5.59	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.92	13	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	3.98	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	4.39	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.43	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.82	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.98	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.38	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	4.98	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.23	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.42	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.67	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	4.92	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.16	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	3.99	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	4.51	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.40	13	PASS



Band5	3MHz	QPSK	20525	15RB#0	4.91	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.00	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.39	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	4.95	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.32	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.45	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.70	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.97	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.25	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.01	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.47	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.32	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.85	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.16	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.42	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	4.88	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.33	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.24	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.66	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.14	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.24	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	3.96	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	4.64	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.41	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.86	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.60	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.61	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	4.93	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.42	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.45	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.67	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.46	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.42	13	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	5.5	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.35	13	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	5.09	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.72	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.03	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.71	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.80	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.45	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	6.02	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.56	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.95	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.51	13	PASS



Band12	1.4MHz	16QAM	23173	1RB#0	5.75	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.41	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.18	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.82	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	5.06	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.80	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.94	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.53	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	6.15	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.63	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	6.14	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.57	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	6.01	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.42	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	5.10	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.64	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.92	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.78	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.96	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.53	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	6.14	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.47	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.78	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.55	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.99	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.36	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	5.00	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.51	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.78	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.68	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.94	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.56	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.98	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.37	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.95	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.48	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.92	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.44	13	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	3.98	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	5.11	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	4.14	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.07	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	4.32	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	5.22	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	5.00	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	5.94	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	5.10	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.90	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	5.10	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	6.03	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	4.37	13	PASS



Band13	10MHz	QPSK	23230	50RB#0	5.30	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	5.47	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.13	13	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	4.64	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	5.25	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	5.11	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	5.28	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	4.66	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	5.13	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	5.75	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	6.21	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	6.21	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	6.12	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	5.42	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	6.10	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	5.13	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	5.29	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	5.27	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	5.30	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	4.57	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	5.21	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	6.47	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	6.18	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	6.00	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	6.23	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	5.56	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	6.11	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	4.49	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	5.47	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	4.92	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	5.47	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	4.71	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	5.38	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	5.74	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	6.26	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	5.94	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	6.25	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	5.77	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	6.25	13	PASS
Band38	20MHz	QPSK	37850	1RB#0	4.75	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	5.26	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	4.71	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	5.28	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	4.87	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	5.21	13	PASS
Band38	20MHz	16QAM	37850	1RB#0	5.44	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	6.19	13	PASS
Band38	20MHz	16QAM	38000	1RB#0	5.94	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	6.20	13	PASS
Band38	20MHz	16QAM	38150	1RB#0	5.76	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	6.14	13	PASS

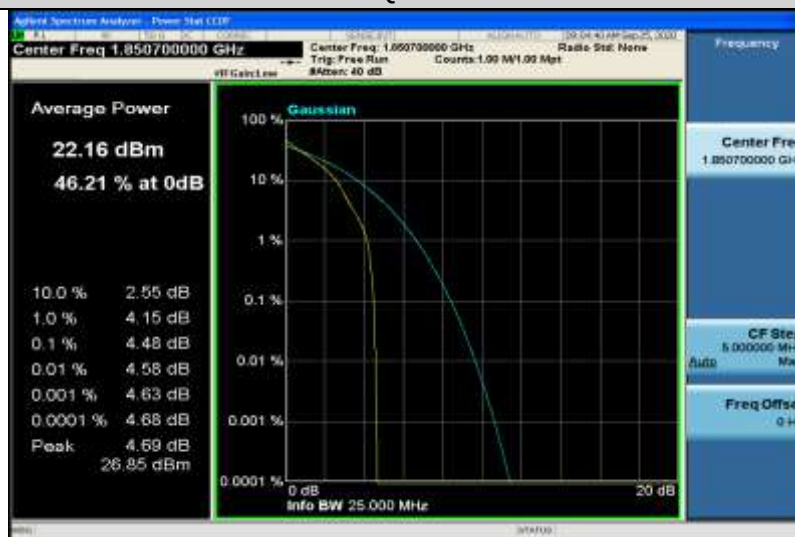
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band40	5MHz	QPSK	38725	1RB#0	4.40	13	PASS
Band40	5MHz	QPSK	38725	25RB#0	4.79	13	PASS
Band40	5MHz	QPSK	38775	1RB#0	4.20	13	PASS
Band40	5MHz	QPSK	38775	25RB#0	4.78	13	PASS
Band40	5MHz	QPSK	39175	1RB#0	4.10	13	PASS
Band40	5MHz	QPSK	39175	25RB#0	4.78	13	PASS
Band40	5MHz	QPSK	39225	1RB#0	4.25	13	PASS
Band40	5MHz	QPSK	39225	25RB#0	4.80	13	PASS
Band40	5MHz	16QAM	38725	1RB#0	5.68	13	PASS
Band40	5MHz	16QAM	38725	25RB#0	5.58	13	PASS
Band40	5MHz	16QAM	38775	1RB#0	4.71	13	PASS
Band40	5MHz	16QAM	38775	25RB#0	5.60	13	PASS
Band40	5MHz	16QAM	39175	1RB#0	5.51	13	PASS
Band40	5MHz	16QAM	39175	25RB#0	5.64	13	PASS
Band40	5MHz	16QAM	39225	1RB#0	5.60	13	PASS
Band40	5MHz	16QAM	39225	25RB#0	5.62	13	PASS
Band40	10MHz	QPSK	38750	1RB#0	4.46	13	PASS
Band40	10MHz	QPSK	38750	50RB#0	4.80	13	PASS
Band40	10MHz	QPSK	39200	1RB#0	4.43	13	PASS
Band40	10MHz	QPSK	39200	50RB#0	4.77	13	PASS
Band40	10MHz	16QAM	38750	1RB#0	5.37	13	PASS
Band40	10MHz	16QAM	38750	50RB#0	5.67	13	PASS
Band40	10MHz	16QAM	39200	1RB#0	5.58	13	PASS
Band40	10MHz	16QAM	39200	50RB#0	5.65	13	PASS

Band41

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	40690	100RB#0	5.95	13	PASS
Band41	20MHz	16QAM	40690	100RB#0	6.72	13	PASS

Test plots

Band2-1.4MHz-QPSK-18607-1RB#0



Band2-1.4MHz-QPSK-18607-6RB#0



Band2-1.4MHz-QPSK-18900-1RB#0



Band2-1.4MHz-QPSK-18900-6RB#0



Band2-1.4MHz-QPSK-19193-1RB#0



Band2-1.4MHz-QPSK-19193-6RB#0



Band2-1.4MHz-16QAM-18607-1RB#0



Band2-1.4MHz-16QAM-18607-6RB#0



Band2-1.4MHz-16QAM-18900-1RB#0



Band2-1.4MHz-16QAM-18900-6RB#0



Band2-1.4MHz-16QAM-19193-1RB#0



Band2-1.4MHz-16QAM-19193-6RB#0



Band2-3MHz-QPSK-18615-1RB#0



Band2-3MHz-QPSK-18615-15RB#0



Band2-3MHz-QPSK-18900-1RB#0



Band2-3MHz-QPSK-18900-15RB#0



Band2-3MHz-QPSK-19185-1RB#0



Band2-3MHz-QPSK-19185-15RB#0



Band2-3MHz-16QAM-18615-1RB#0



Band2-3MHz-16QAM-18615-15RB#0



Band2-3MHz-16QAM-18900-1RB#0



Band2-3MHz-16QAM-18900-15RB#0



Band2-3MHz-16QAM-19185-1RB#0



Band2-3MHz-16QAM-19185-15RB#0



Band2-10MHz-QPSK-18650-1RB#0



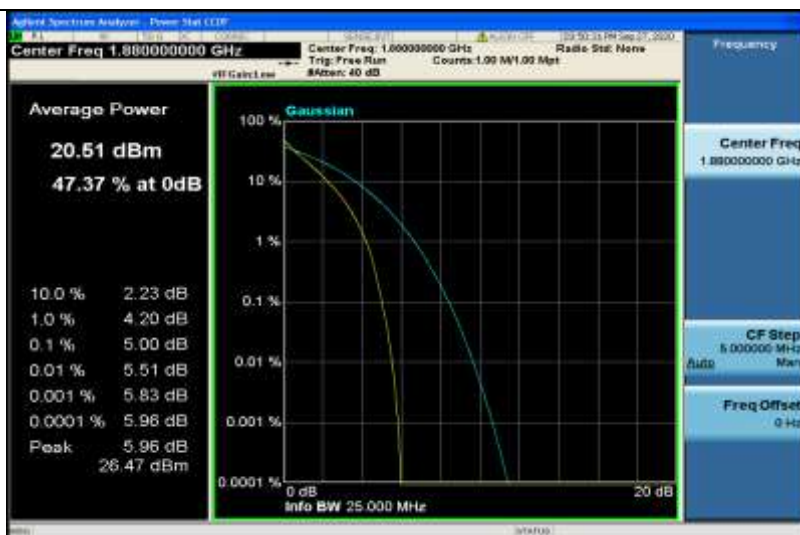
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Band2-10MHz-QPSK-18900-1RB#0



Band2-10MHz-QPSK-18900-50RB#0



Band2-10MHz-QPSK-19150-1RB#0



Band2-10MHz-QPSK-19150-50RB#0



Band2-10MHz-16QAM-18650-1RB#0



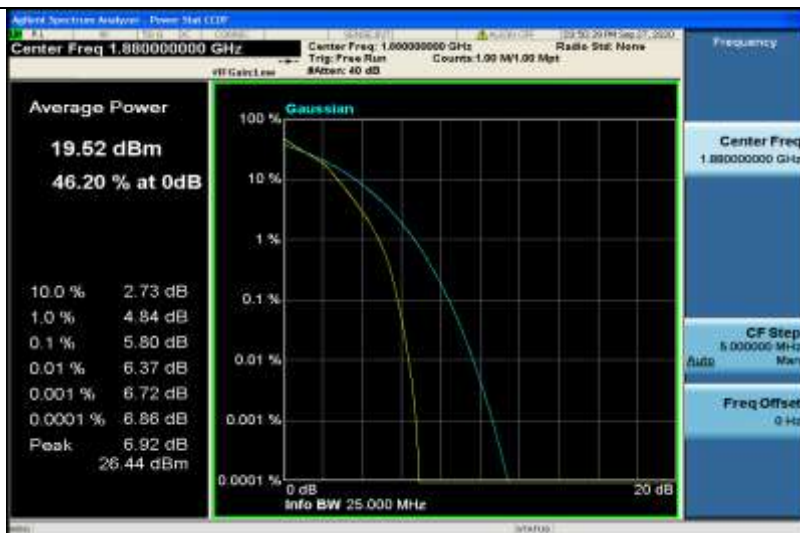
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Band2-10MHz-16QAM-18900-50RB#0



Band2-10MHz-16QAM-19150-1RB#0



Band2-10MHz-16QAM-19150-50RB#0



Band2-15MHz-QPSK-18675-1RB#0



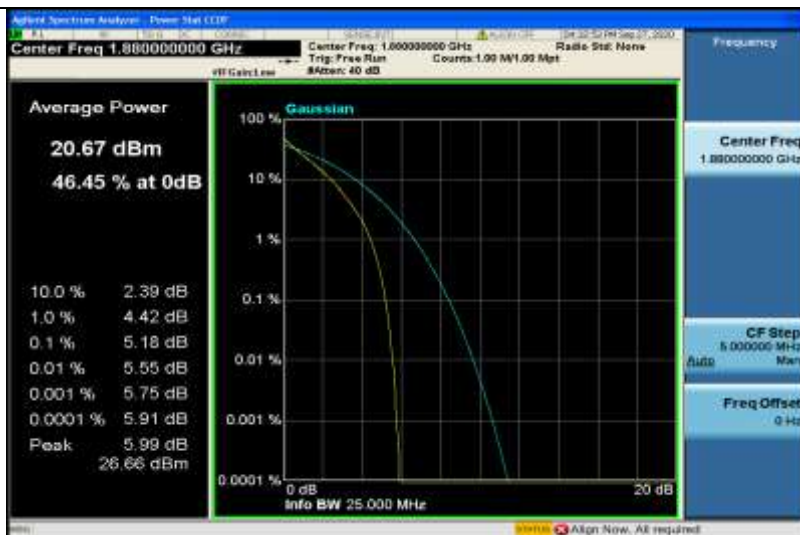
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Band2-15MHz-QPSK-18900-1RB#0



Band2-15MHz-QPSK-18900-75RB#0



Band2-15MHz-QPSK-19125-1RB#0



Band2-15MHz-QPSK-19125-75RB#0



Band2-15MHz-16QAM-18675-1RB#0



Band2-15MHz-16QAM-18675-75RB#0



Band2-15MHz-16QAM-18900-1RB#0



Band2-15MHz-16QAM-18900-75RB#0



Band2-15MHz-16QAM-19125-1RB#0



Band2-15MHz-16QAM-19125-75RB#0



Band2-20MHz-QPSK-18700-1RB#0



Band2-20MHz-QPSK-18700-100RB#0



Band2-20MHz-QPSK-18900-1RB#0



Band2-20MHz-QPSK-18900-100RB#0



Band2-20MHz-QPSK-19100-1RB#0



Band2-20MHz-QPSK-19100-100RB#0



Band2-20MHz-16QAM-18700-1RB#0



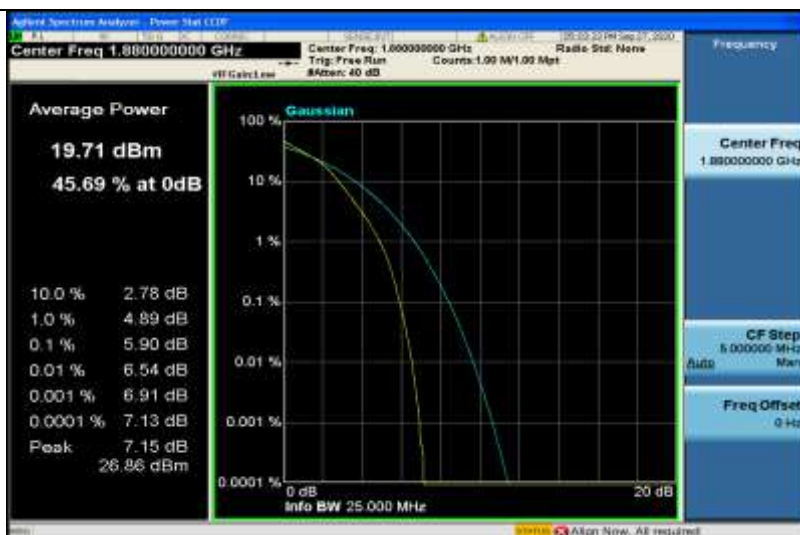
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Band2-20MHz-16QAM-18900-1RB#0



Band2-20MHz-16QAM-18900-100RB#0



Band2-20MHz-16QAM-19100-1RB#0



Band2-20MHz-16QAM-19100-100RB#0





Band4-1.4MHz-QPSK-19957-1RB#0



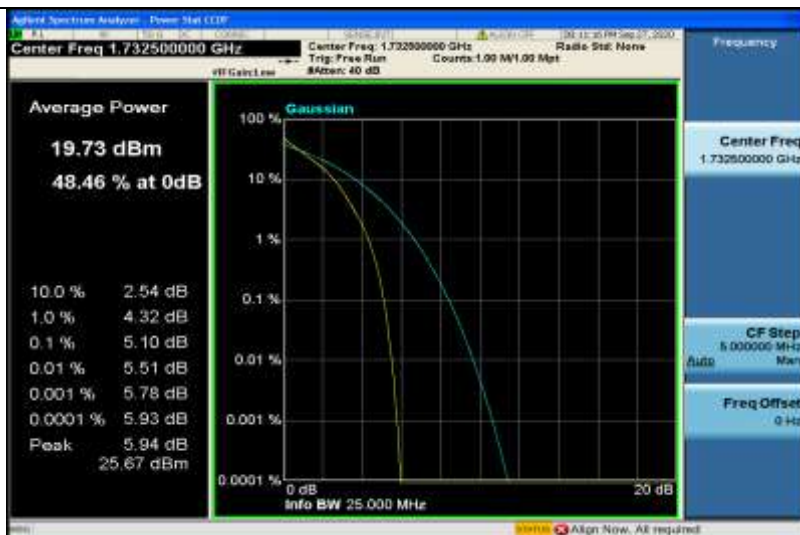
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Band4-1.4MHz-QPSK-20175-1RB#0



Band4-1.4MHz-QPSK-20175-6RB#0



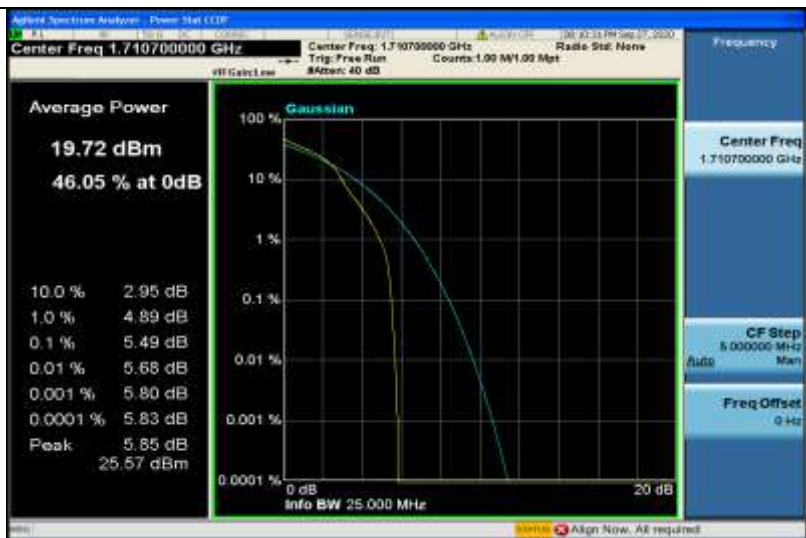
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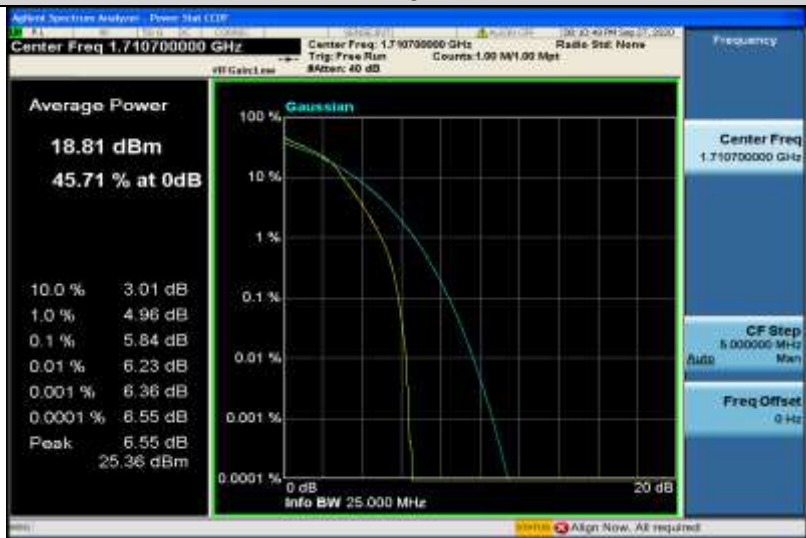
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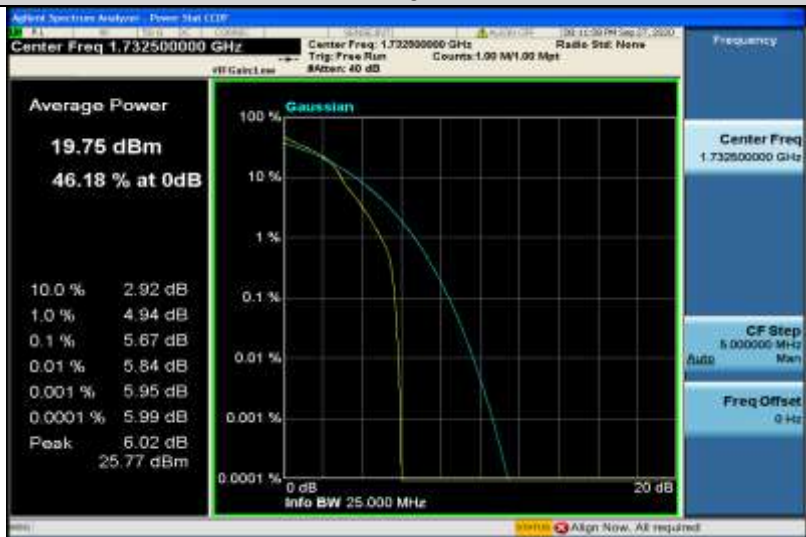
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Band4-1.4MHz-16QAM-19957-6RB#0



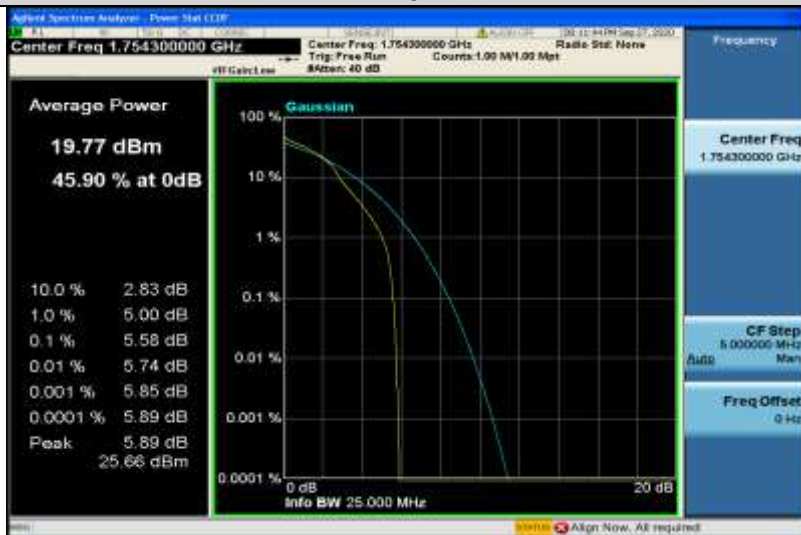
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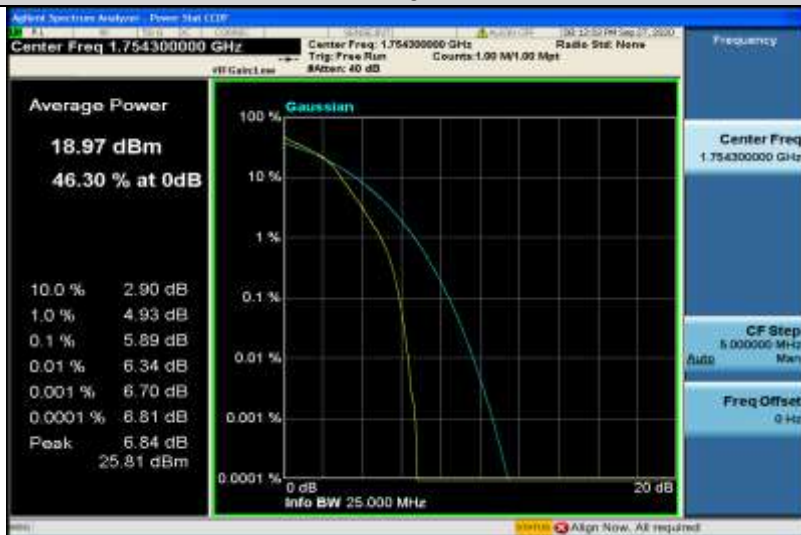
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Band4-1.4MHz-16QAM-20393-1RB#0



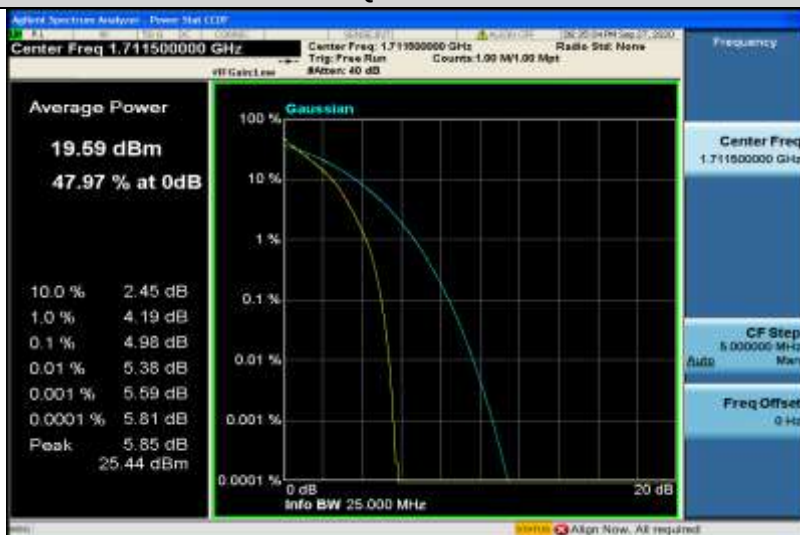
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Band4-3MHz-QPSK-19965-1RB#0



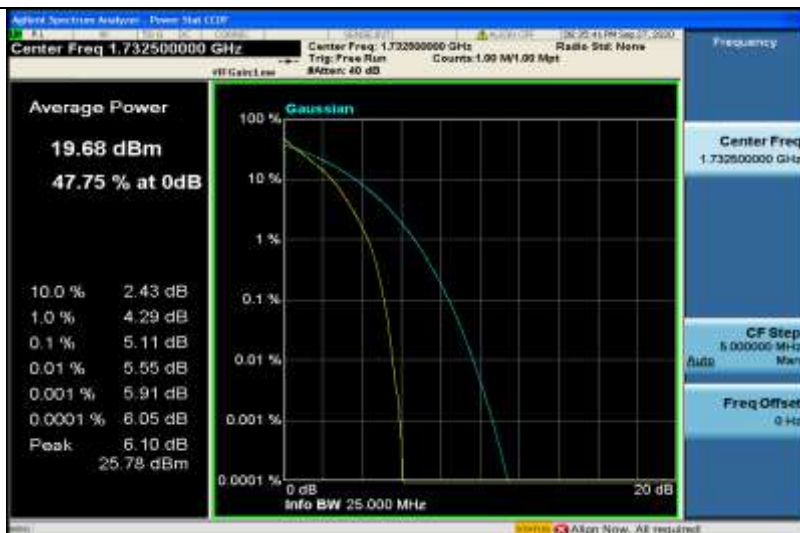
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Band4-3MHz-QPSK-20175-1RB#0



Band4-3MHz-QPSK-20175-15RB#0



Band4-3MHz-QPSK-20385-1RB#0



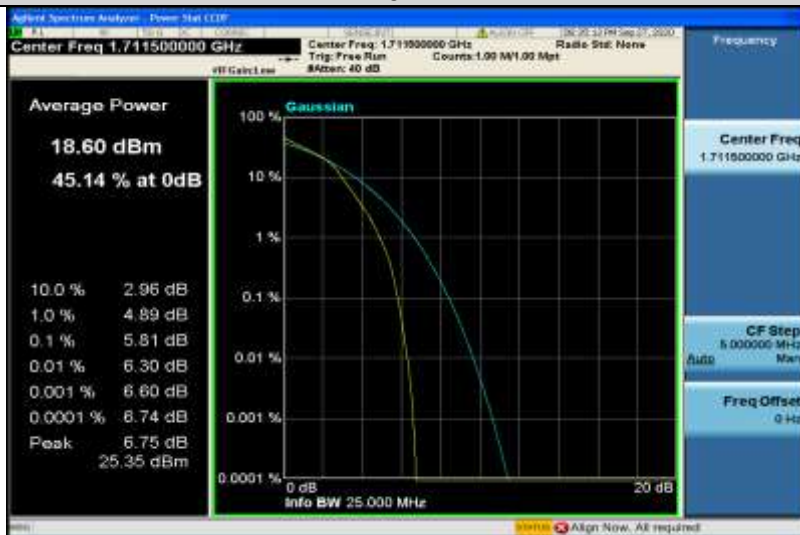
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Band4-3MHz-16QAM-19965-1RB#0



Band4-3MHz-16QAM-19965-15RB#0



Band4-3MHz-16QAM-20175-1RB#0



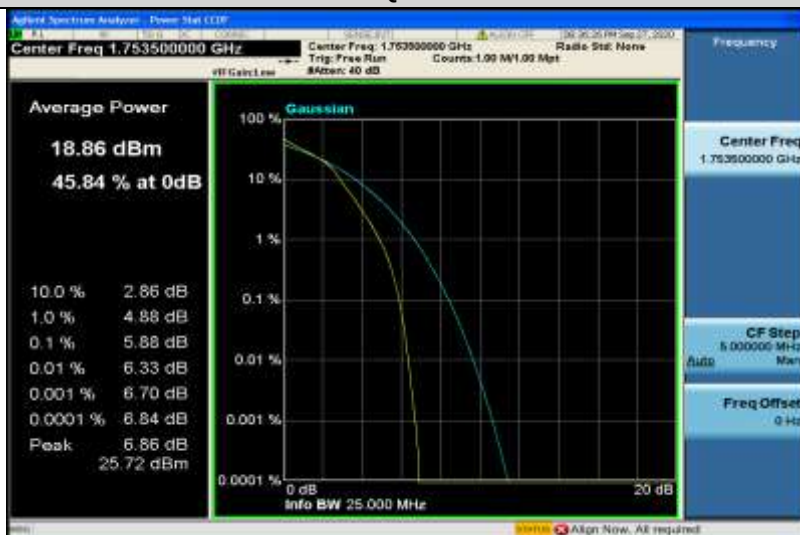
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Band4-3MHz-16QAM-20385-1RB#0



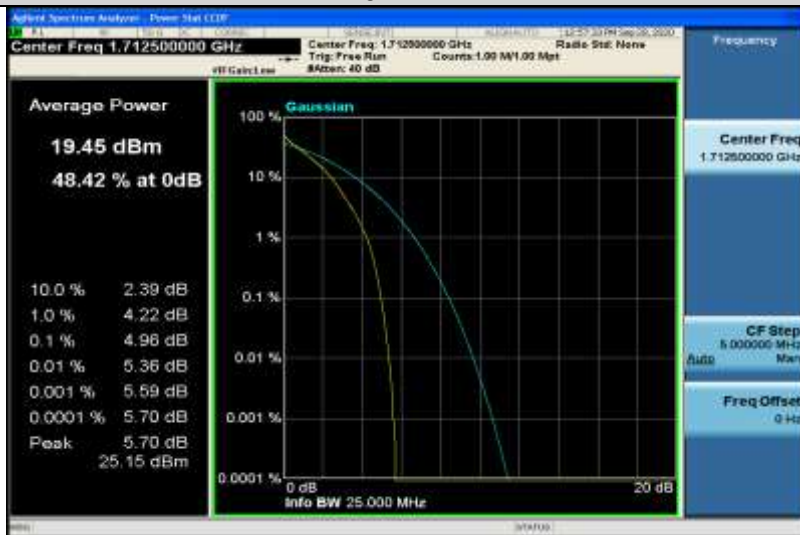
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Band4-5MHz-QPSK-19975-1RB#0



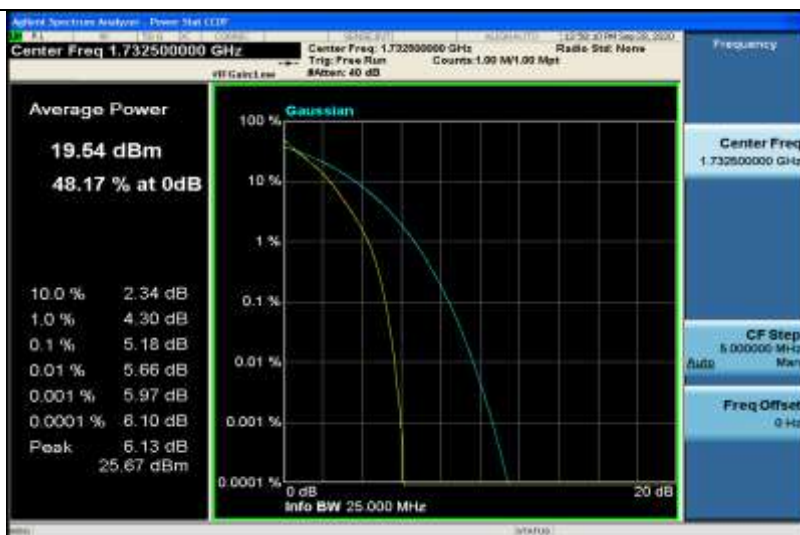
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Band4-5MHz-QPSK-20175-1RB#0



Band4-5MHz-QPSK-20175-25RB#0



Band4-5MHz-QPSK-20375-1RB#0



Band4-5MHz-QPSK-20375-25RB#0



Band4-5MHz-16QAM-19975-1RB#0



Band4-5MHz-16QAM-19975-25RB#0



Band4-5MHz-16QAM-20175-1RB#0



Band4-5MHz-16QAM-20175-25RB#0



Band4-5MHz-16QAM-20375-1RB#0



Band4-5MHz-16QAM-20375-25RB#0



Band4-10MHz-QPSK-20000-1RB#0



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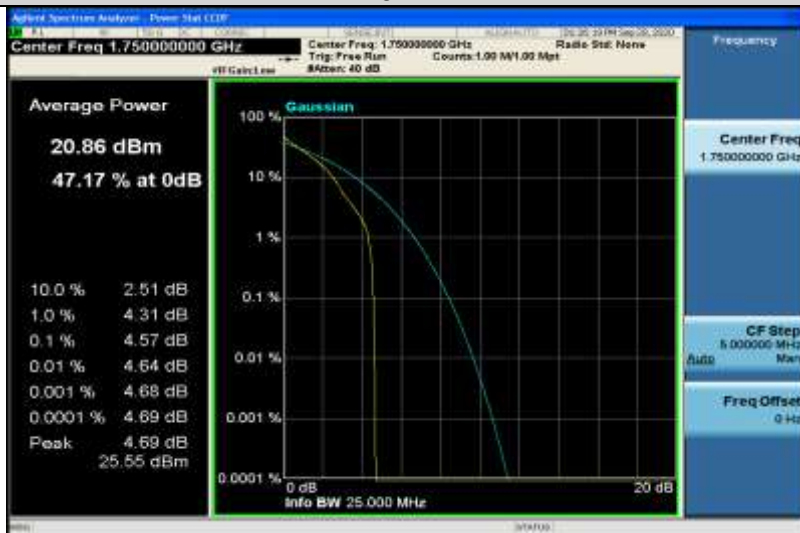
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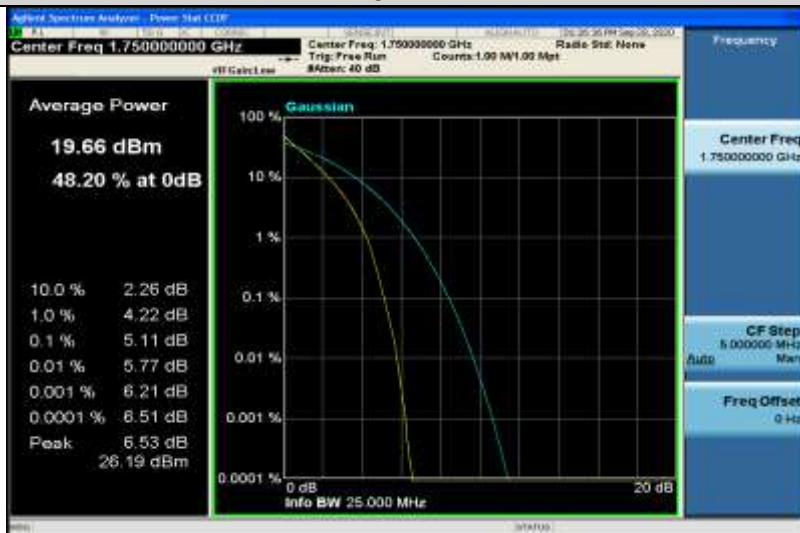
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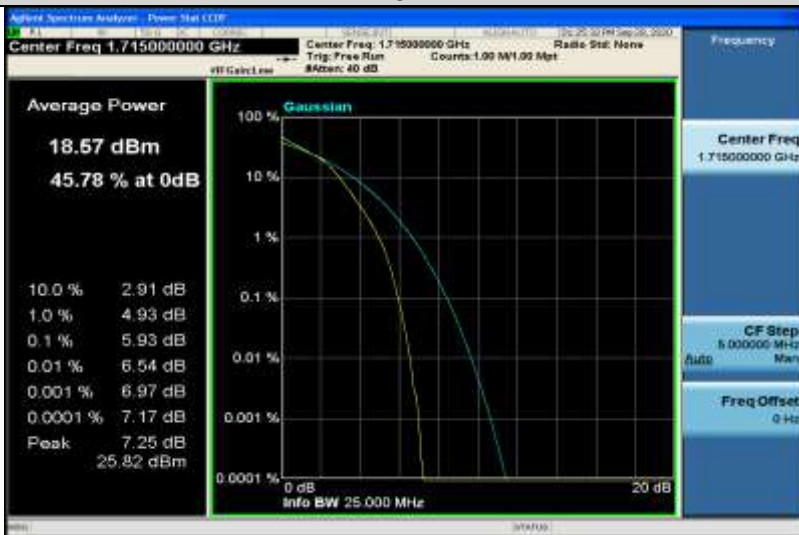
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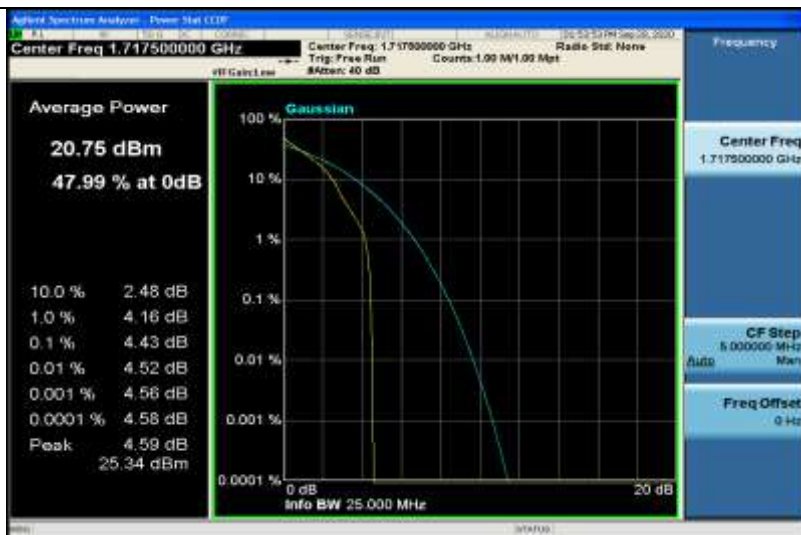
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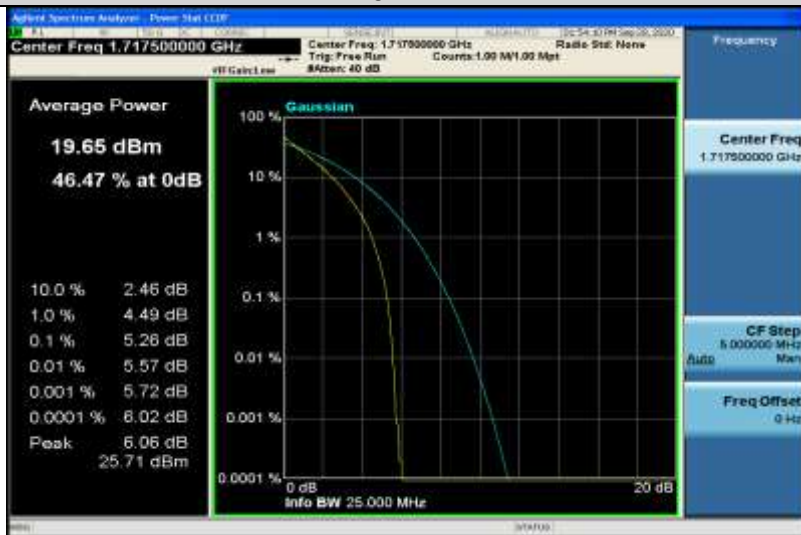
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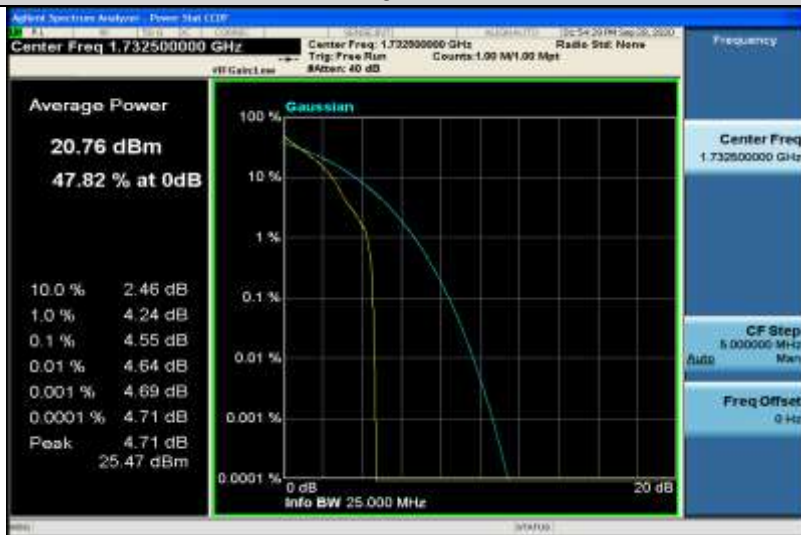
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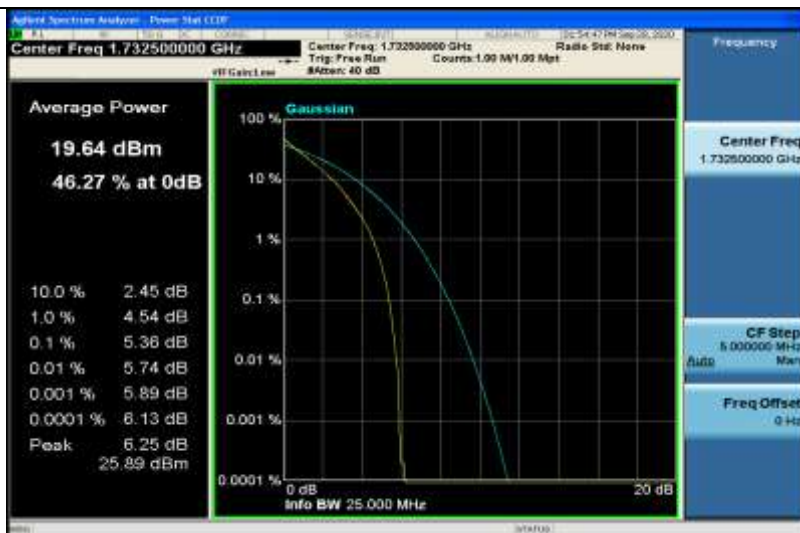
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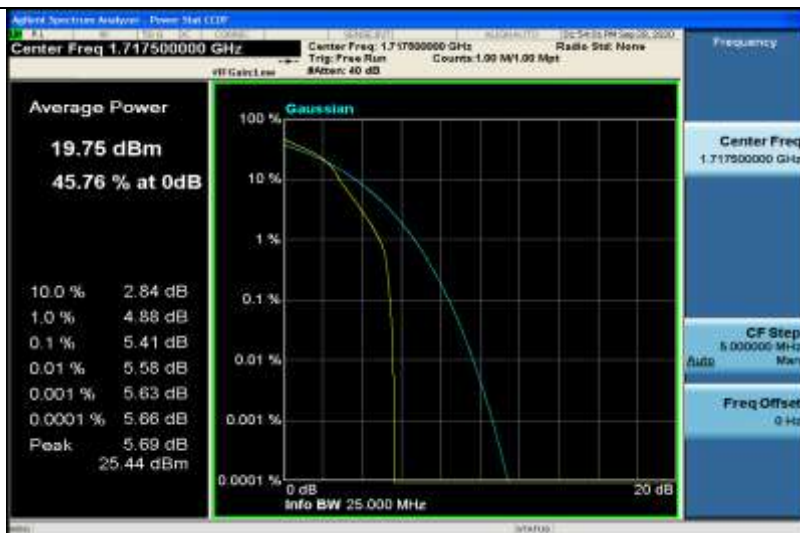
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Band4-15MHz-16QAM-20025-75RB#0



Band4-15MHz-16QAM-20175-1RB#0



Band4-15MHz-16QAM-20175-75RB#0



Band4-15MHz-16QAM-20325-1RB#0



Band4-15MHz-16QAM-20325-75RB#0



Band4-20MHz-QPSK-20050-1RB#0



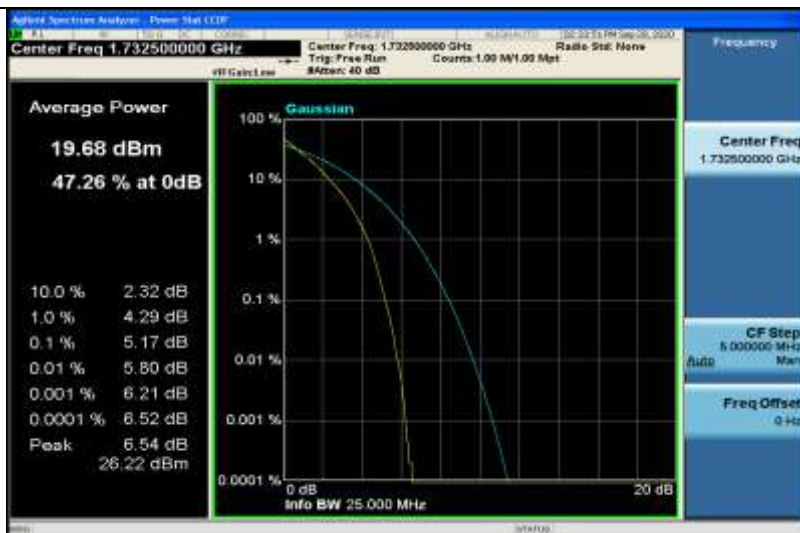
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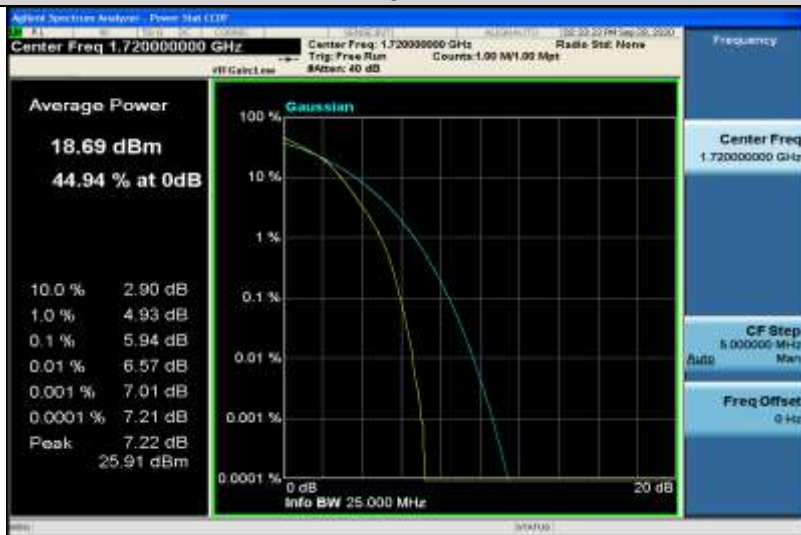
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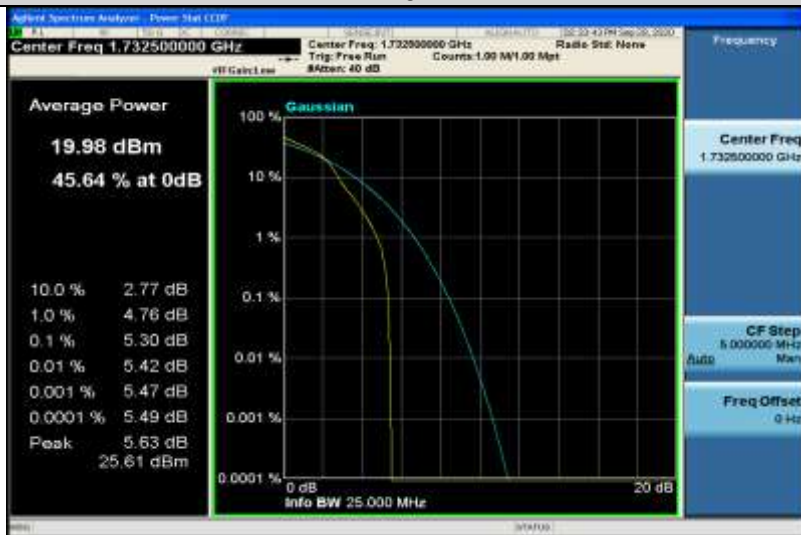
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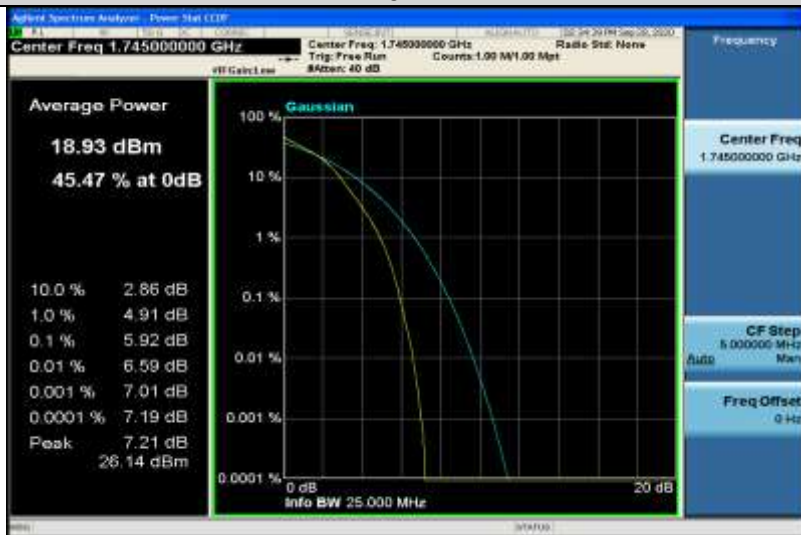
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Band 7_20MHz_QPSK_21100_100RB#0



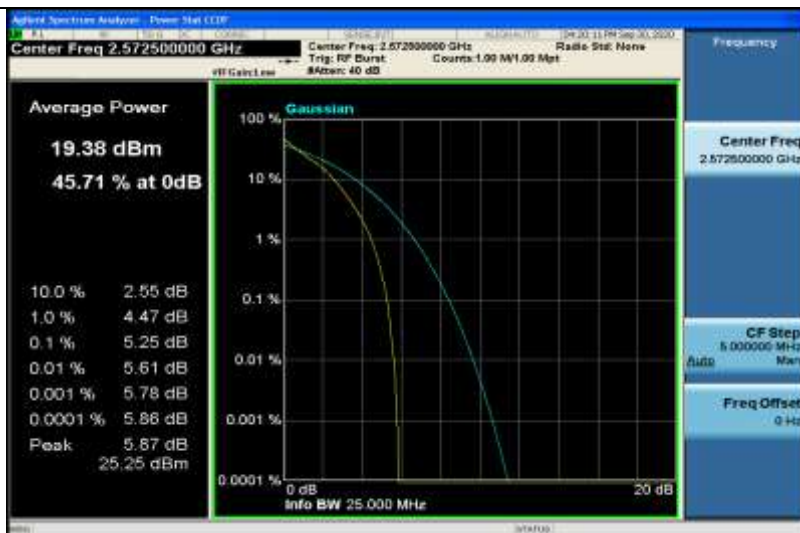
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Band38-5MHz-QPSK-37775-1RB#0



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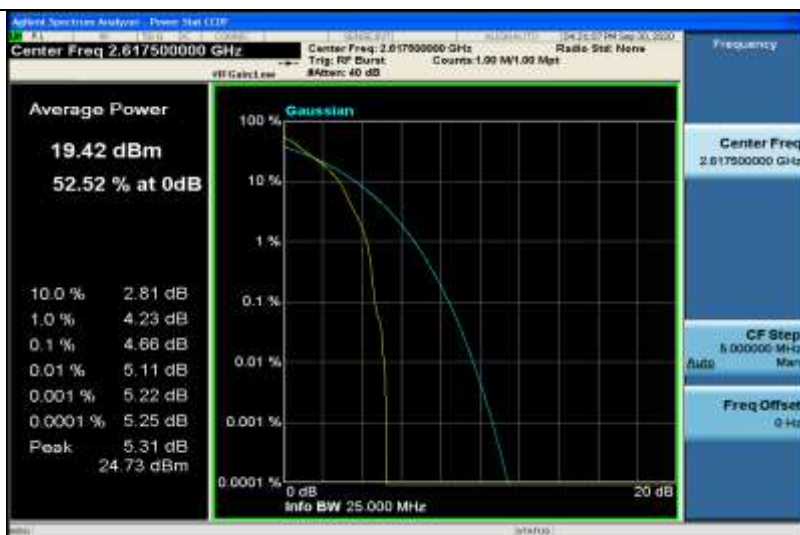
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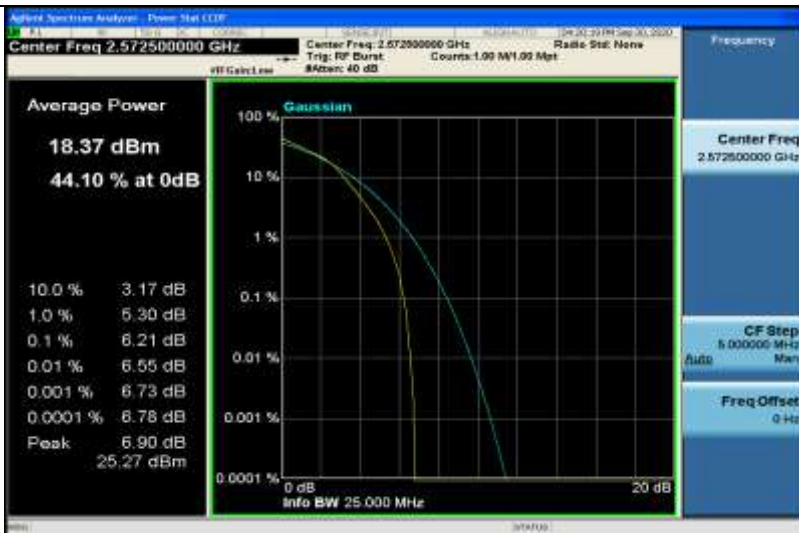
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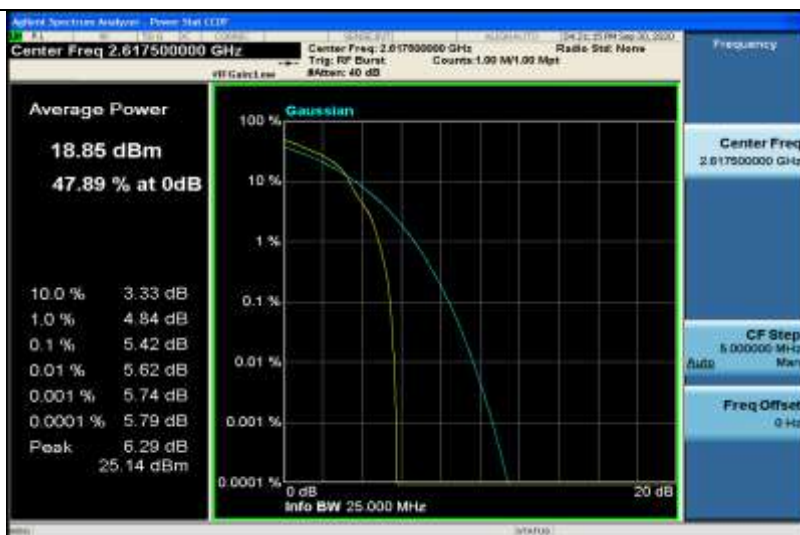
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Band38-5MHz-16QAM-38225-1RB#0



Band38-5MHz-16QAM-38225-25RB#0



Band38-10MHz-QPSK-37800-1RB#0



Band38-10MHz-QPSK-37800-50RB#0



Band38-10MHz-QPSK-38000-1RB#0



Band38-10MHz-QPSK-38000-50RB#0



Band38-10MHz-QPSK-38200-1RB#0



Band38-10MHz-QPSK-38200-50RB#0



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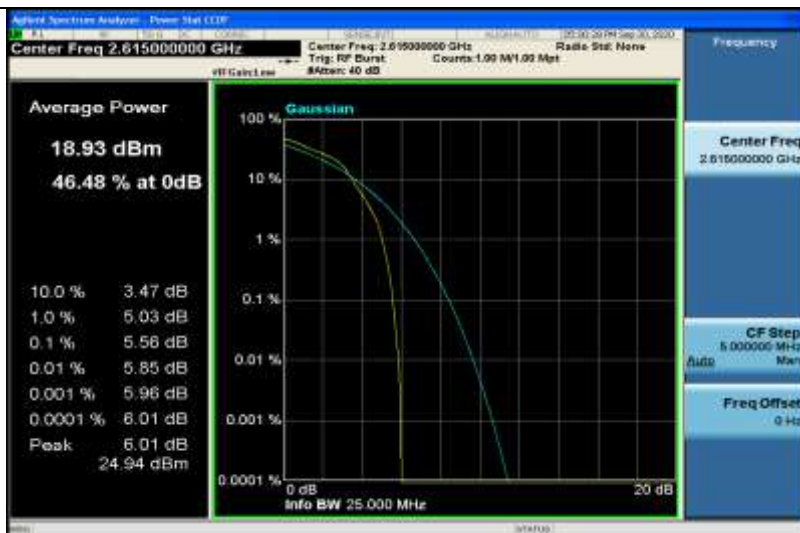
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Band38-10MHz-16QAM-38200-1RB#0



Band38-10MHz-16QAM-38200-50RB#0



Band38-15MHz-QPSK-37825-1RB#0



Band38-15MHz-QPSK-37825-75RB#0



Band38-15MHz-QPSK-38000-1RB#0



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Band38-15MHz-QPSK-38175-1RB#0



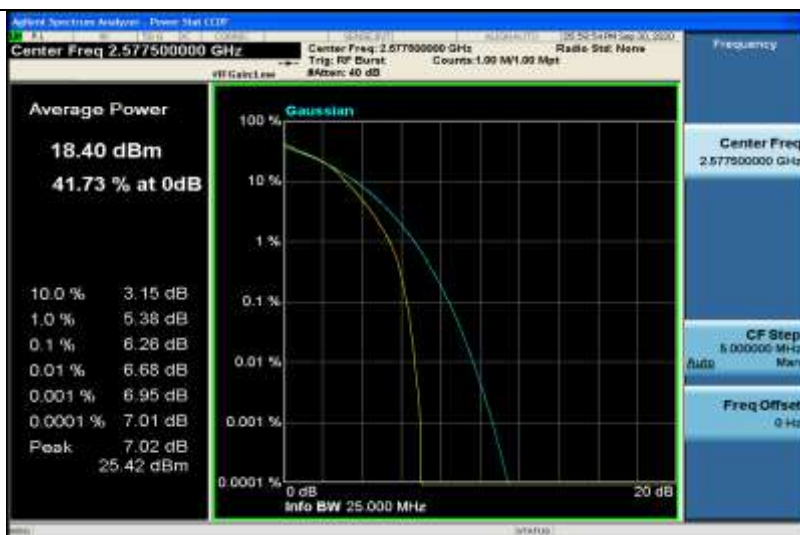
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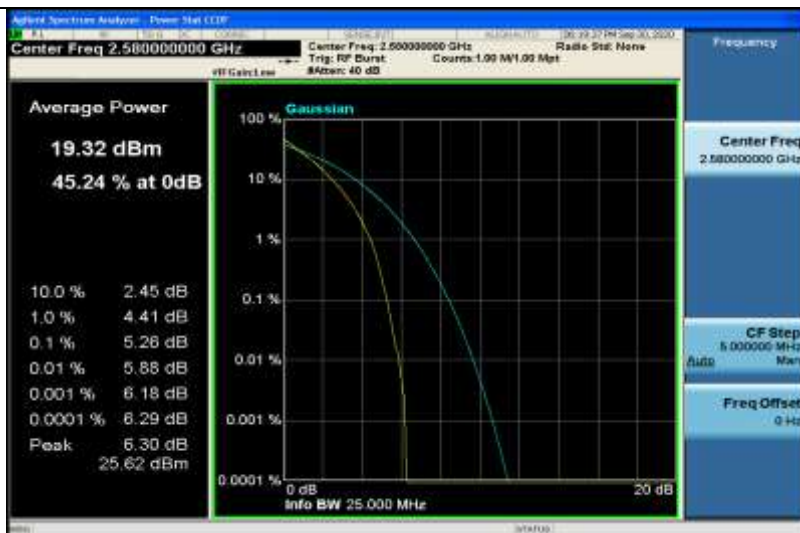
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Band38-20MHz-QPSK-37850-1RB#0



Band38-20MHz-QPSK-37850-100RB#0



Band38-20MHz-QPSK-38000-1RB#0



Band38-20MHz-QPSK-38000-100RB#0



Band38-20MHz-QPSK-38150-1RB#0



Band38-20MHz-QPSK-38150-100RB#0



Band38-20MHz-16QAM-37850-1RB#0



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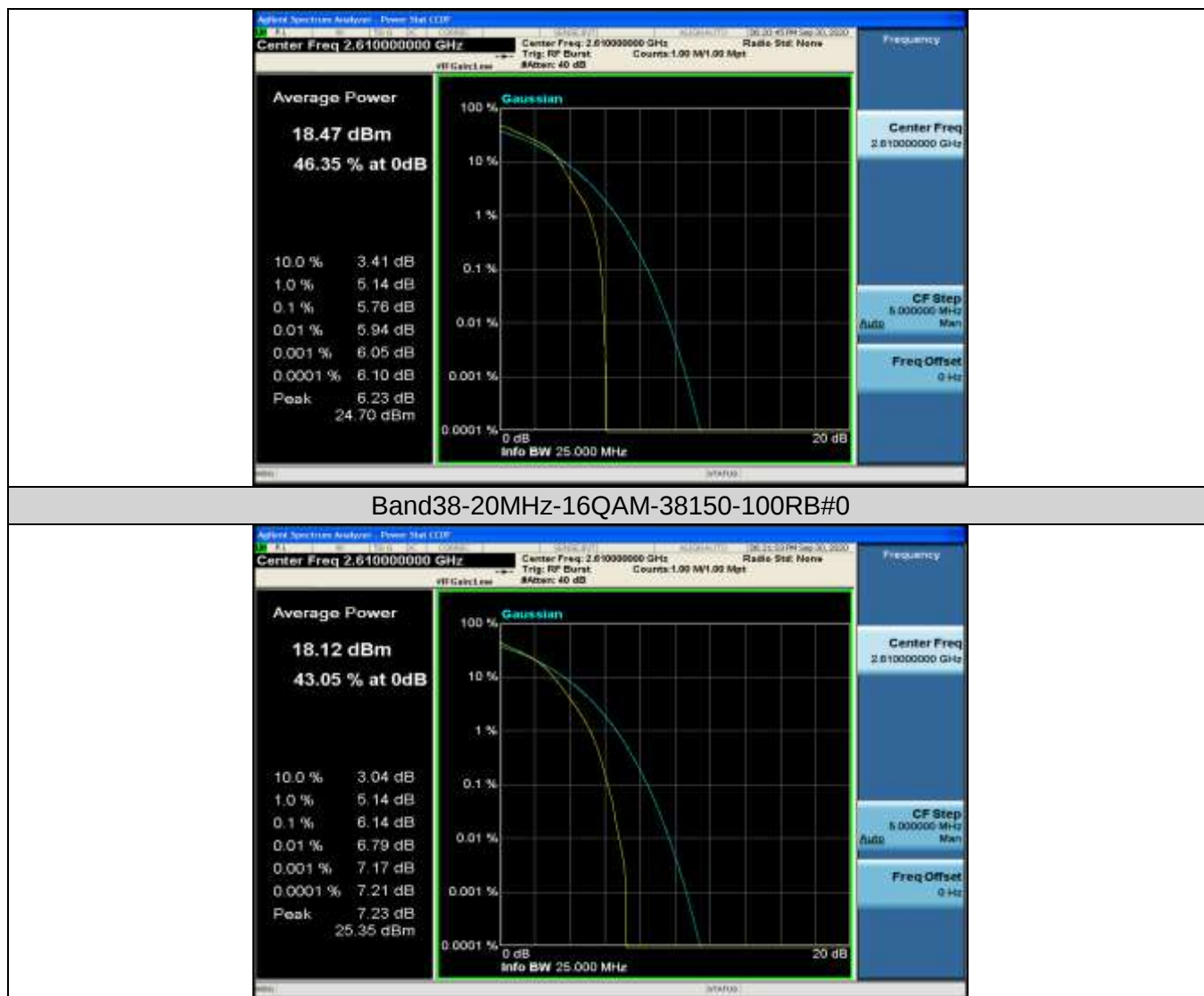
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Band40-5MHz-QPSK-38725-1RB#0



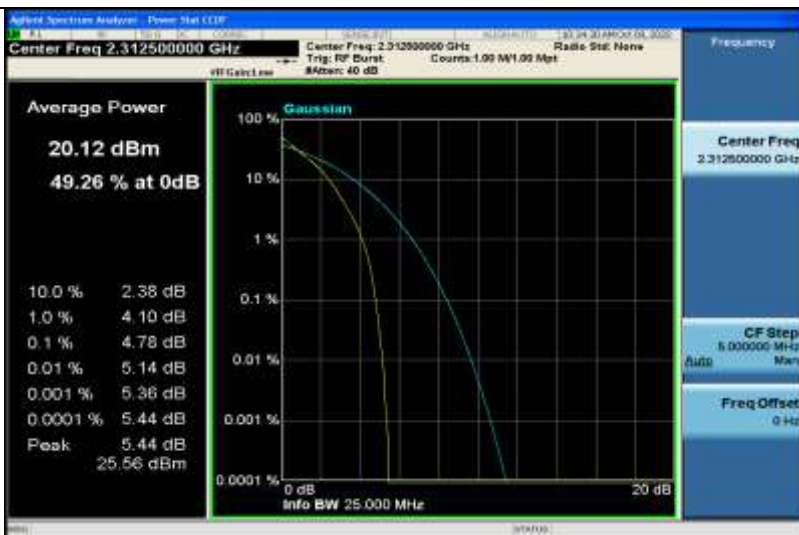
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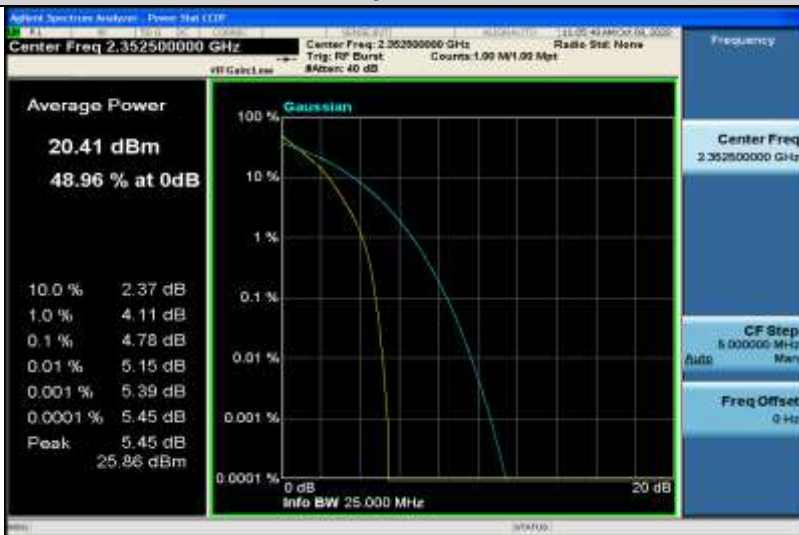
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Band40-5MHz-QPSK-39175-25RB#0



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Band40-5MHz-QPSK-39225-25RB#0



Band40-5MHz-16QAM-38725-1RB#0



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