

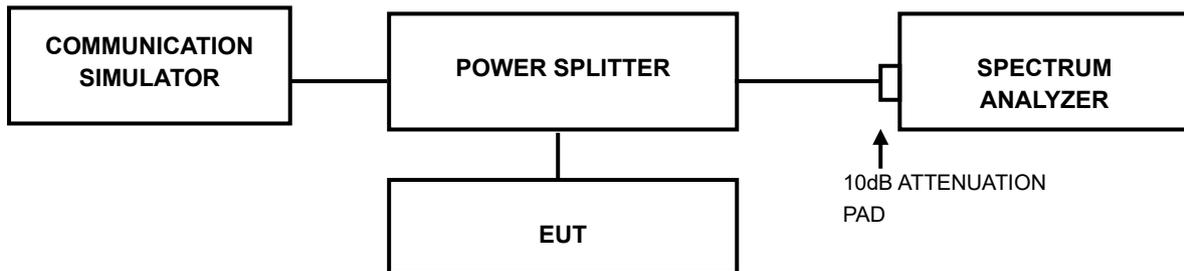


3.7 PEAK TO AVERAGE RATIO

3.7.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB

3.7.2 TEST SETUP



3.7.3 TEST PROCEDURES

1. Set resolution/measurement bandwidth \geq signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1%.

3.7.4 TEST RESULTS

Please Refer to Appendix Of this test report.



4 INFORMATION ON THE TESTING LABORATORIES

We, Huarui 7layers High Technology (Suzhou) Co., Ltd. ,were founded in 2020 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

Huarui 7Layers High Technology (Suzhou) Co., Ltd.

Lab Address:

Tower N, Innovation Center, 88 Zuyi Road, High-tech District, Suzhou City, Anhui Province, China
Accredited Test Lab Cert 6613.01

If you have any comments, please feel free to contact us at the following:

Suzhou EMC/RF Lab:

Tel: +86 (0557) 368 1008



5 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.



6 Appendix

LTE B41(INCULDING B38)

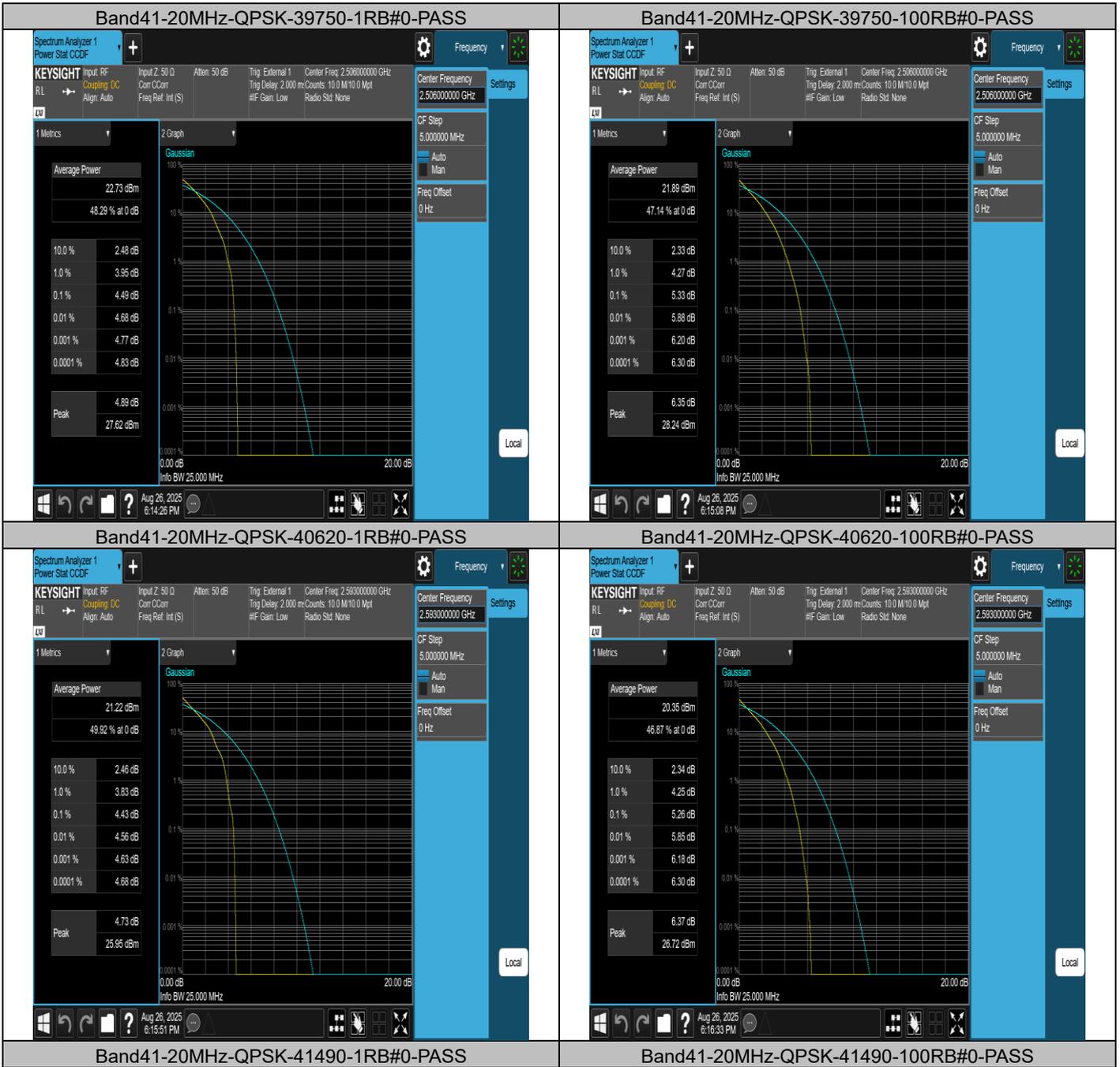
APPENDIX : PEAK-TO-AVERAGE RATIO(CCDF)

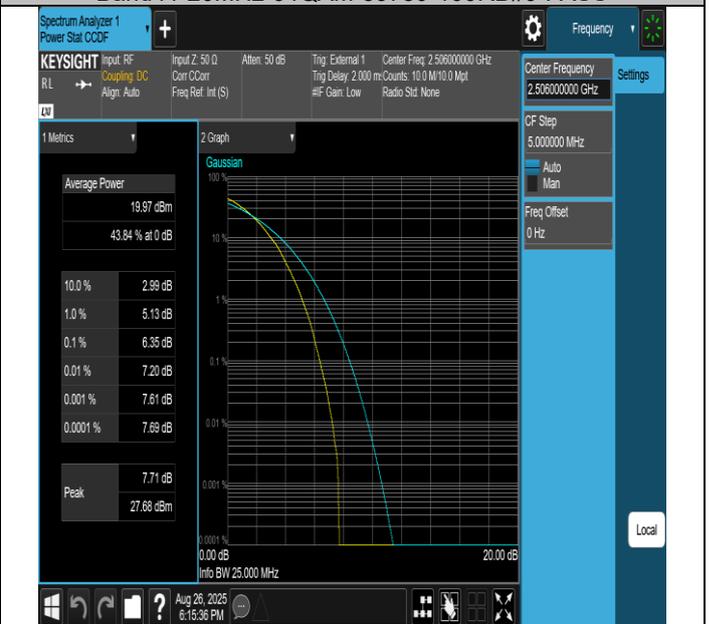
Test Result

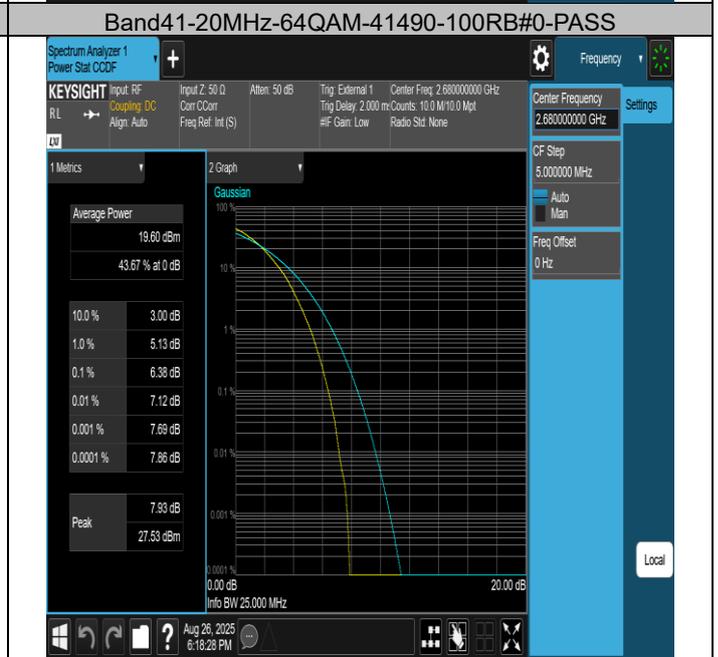
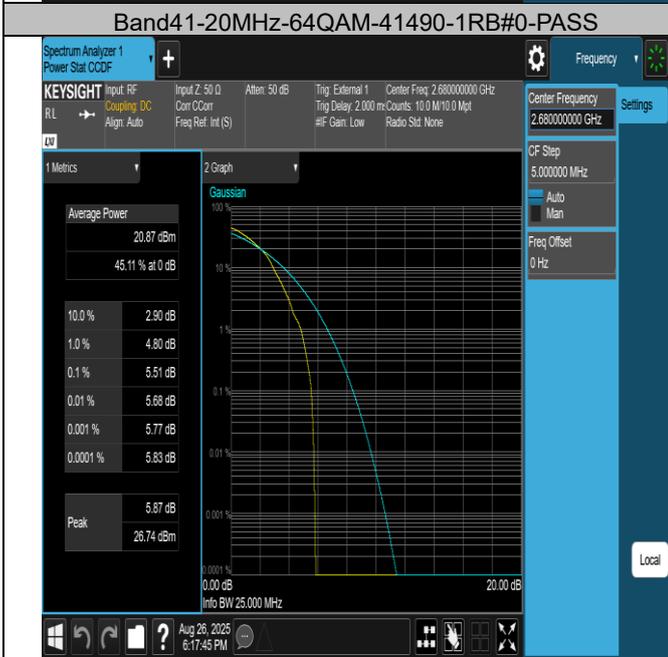
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	39750	1RB#0	4.49	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	5.33	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	4.43	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	5.26	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	3.88	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	5.21	13	PASS
Band41	20MHz	64QAM	39750	1RB#0	5.48	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	6.35	13	PASS
Band41	20MHz	64QAM	40620	1RB#0	5.38	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	6.48	13	PASS
Band41	20MHz	64QAM	41490	1RB#0	5.51	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	6.38	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	4.64	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	5.87	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	5.33	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	6.04	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	4.39	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	6.03	13	PASS

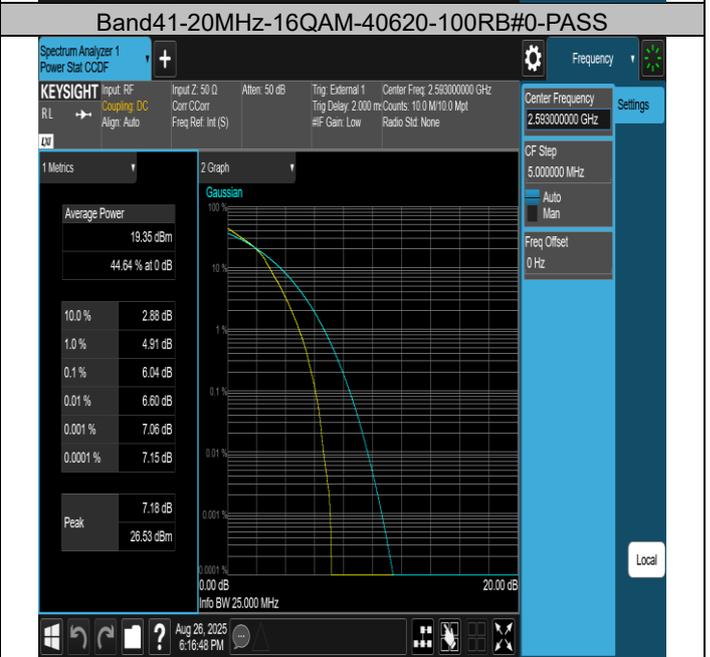
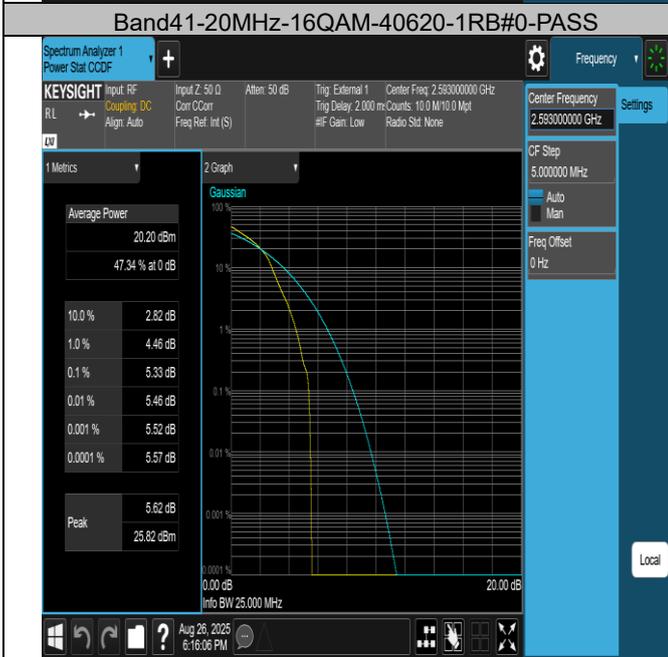


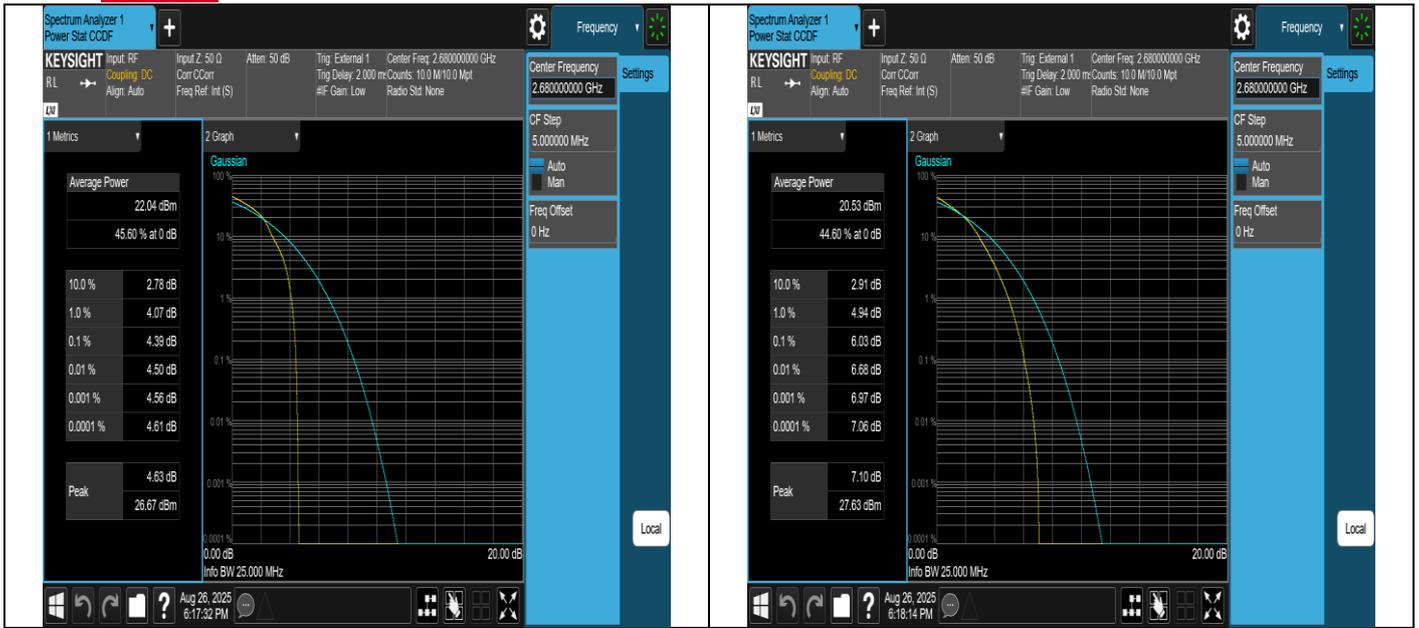
Test Graphs













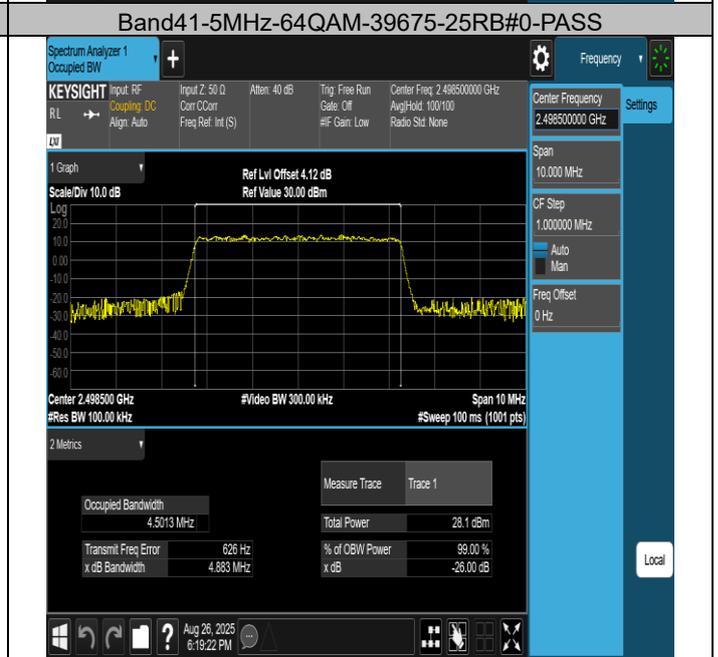
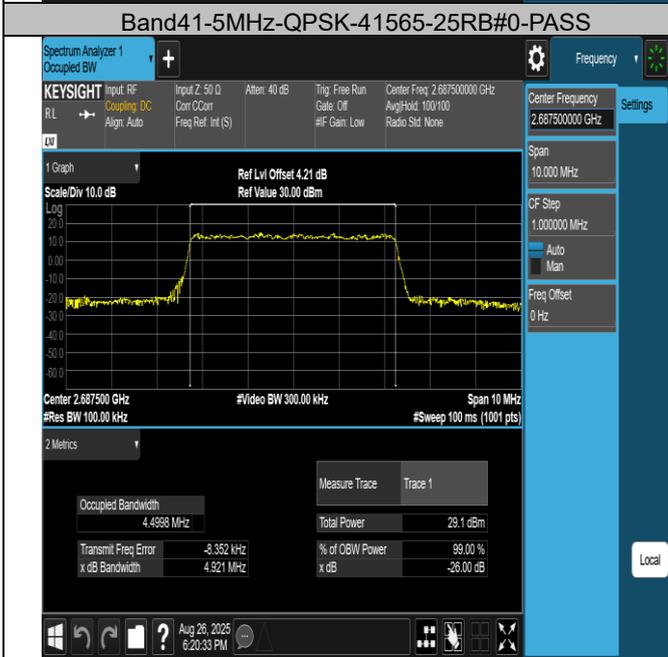
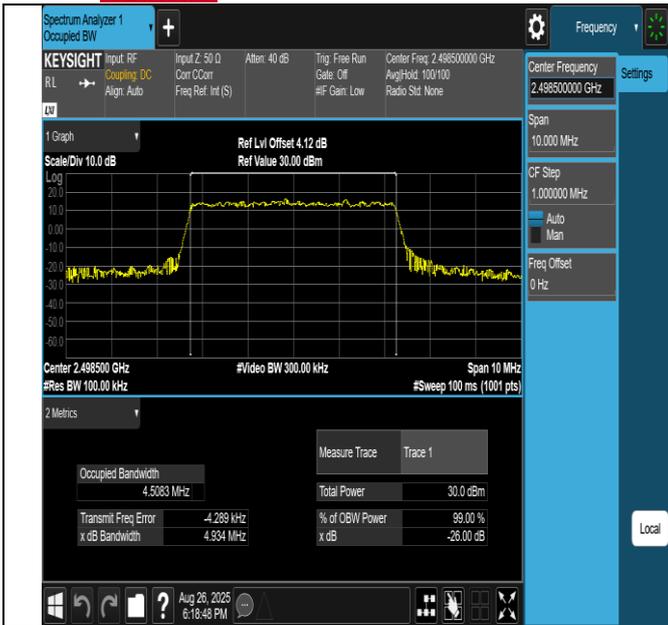
APPENDIX : 26DB BANDWIDTH AND OCCUPIED BANDWIDTH

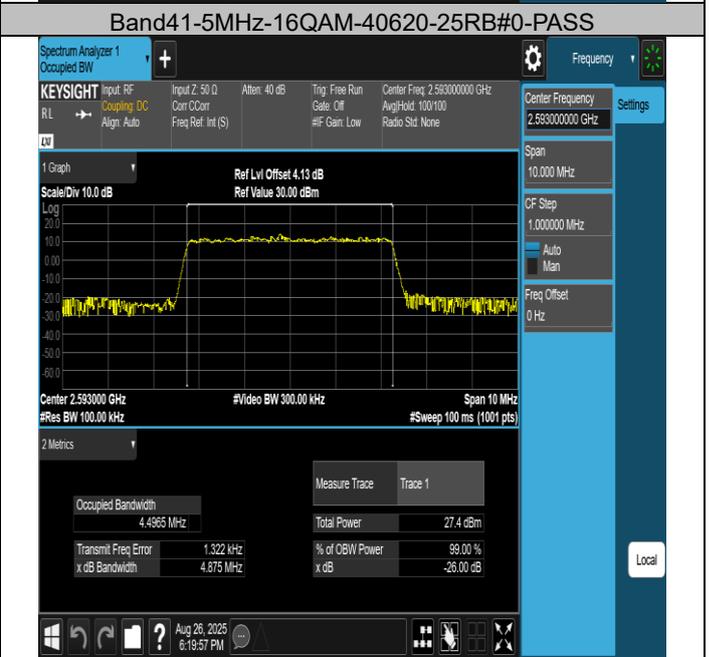
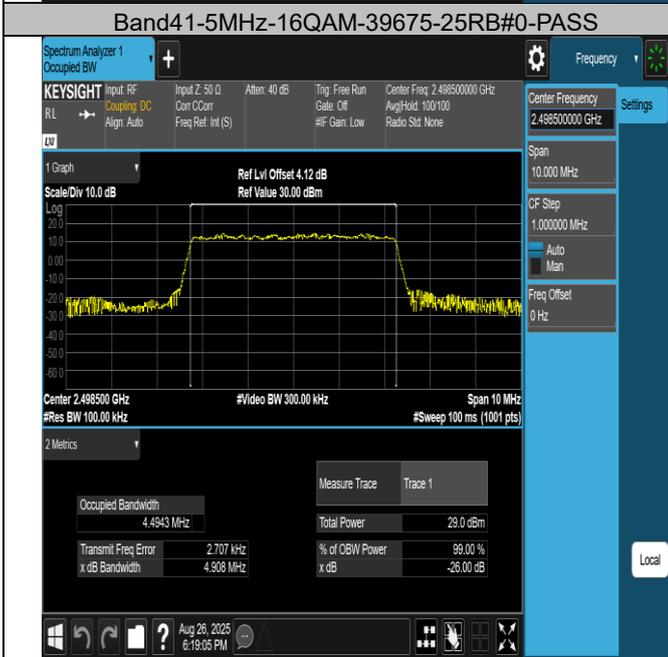
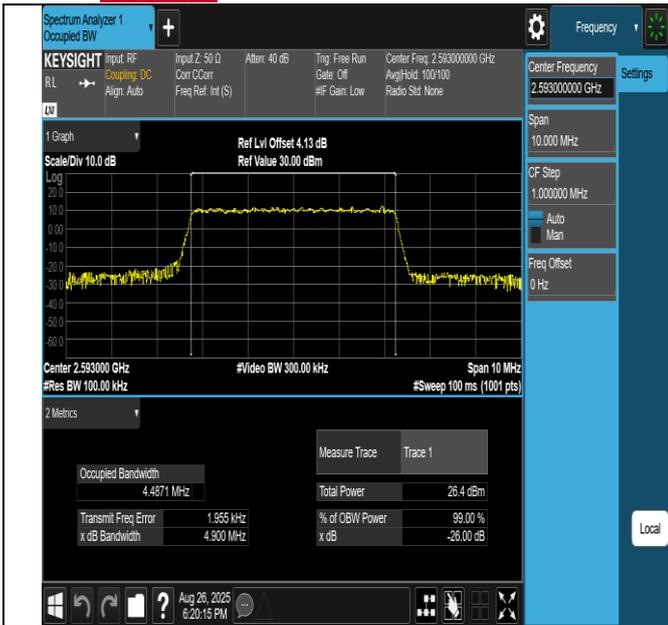
Test Result

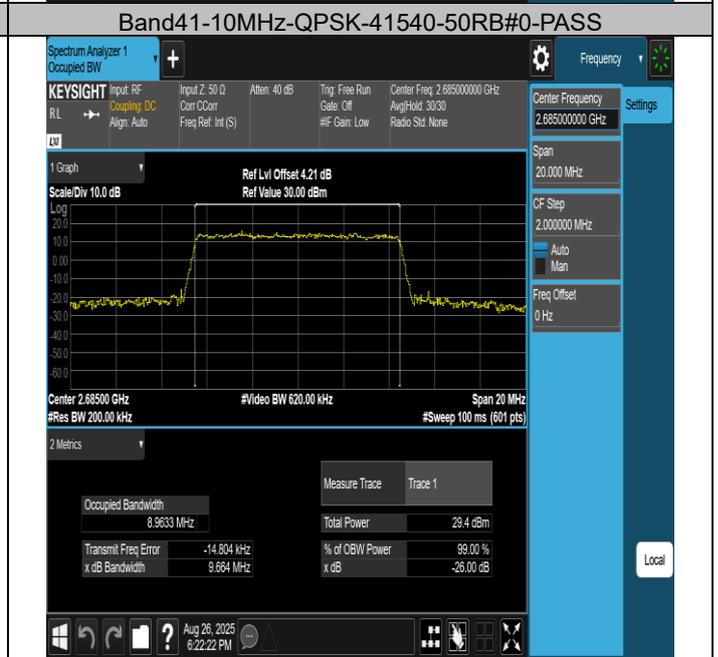
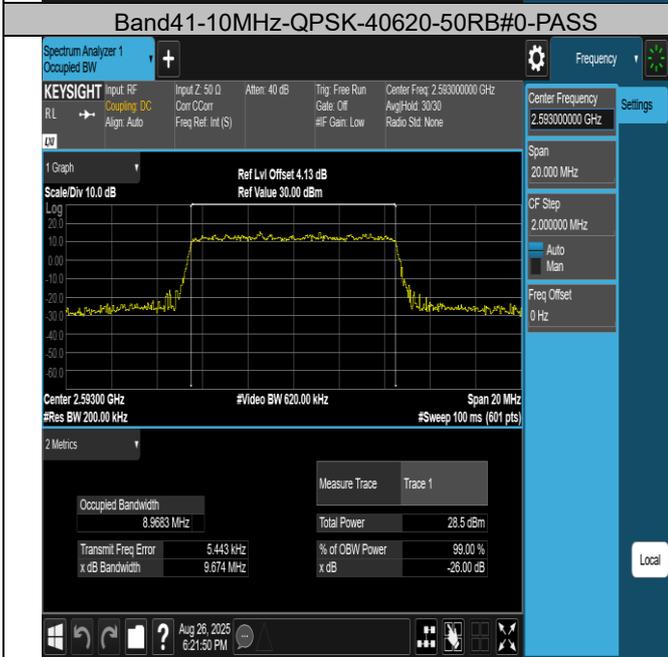
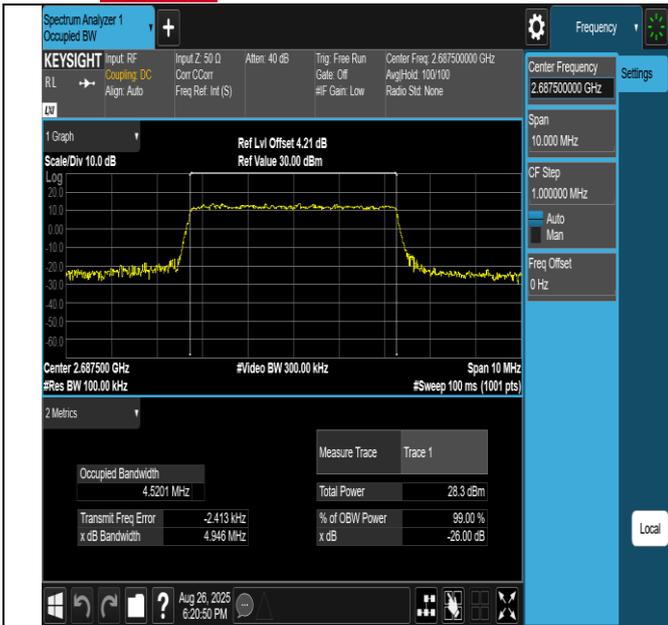
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.5083	4.934	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.4979	5.040	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.4998	4.921	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.5013	4.883	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.4871	4.900	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.4991	4.891	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.4943	4.908	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.4965	4.875	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.5201	4.946	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9783	9.736	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9683	9.674	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.9633	9.664	PASS
Band41	10MHz	64QAM	39700	50RB#0	8.9658	9.716	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.9892	10.00	PASS
Band41	10MHz	64QAM	41540	50RB#0	8.9611	9.685	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9866	9.731	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.9870	10.43	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.9639	9.722	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.460	14.55	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.417	14.70	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.429	14.55	PASS
Band41	15MHz	64QAM	39725	75RB#0	13.464	14.90	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.448	14.65	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.391	14.89	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.472	14.56	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.448	14.61	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.428	14.45	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.932	19.30	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.925	19.41	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.908	19.26	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.843	19.30	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.961	19.30	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.871	19.35	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.925	19.21	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.932	19.32	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.909	19.45	PASS

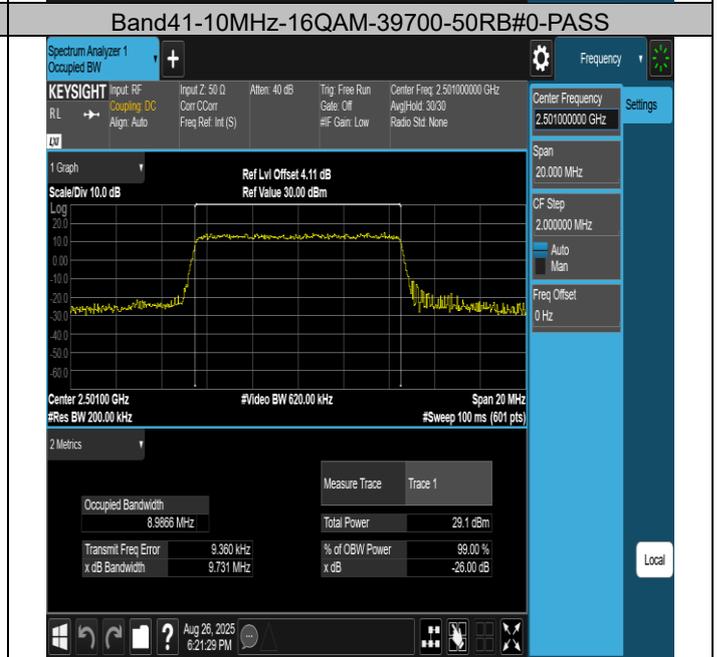
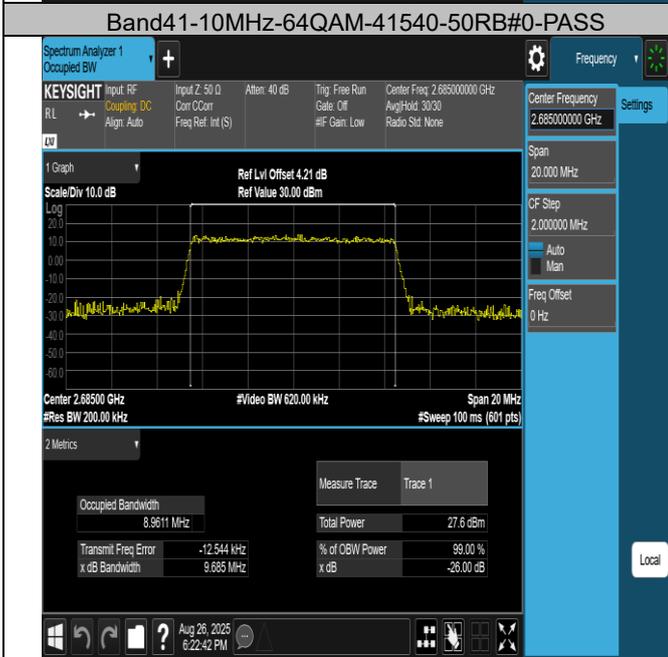
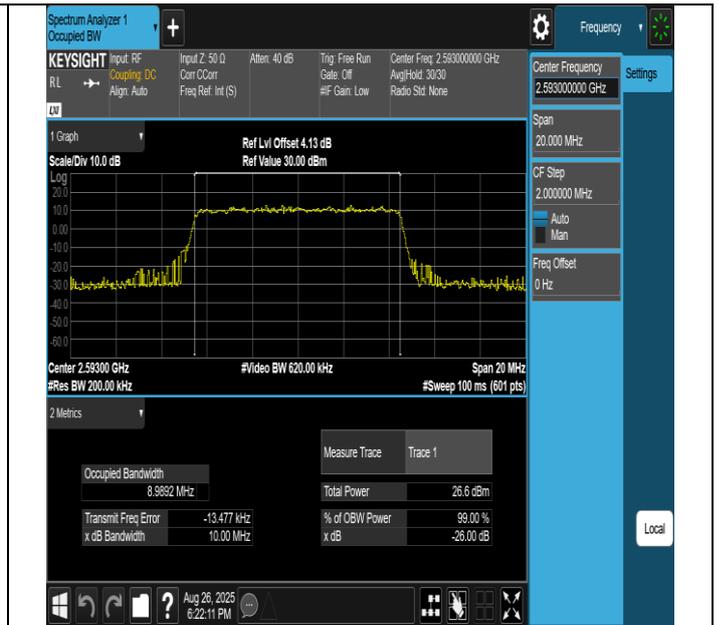
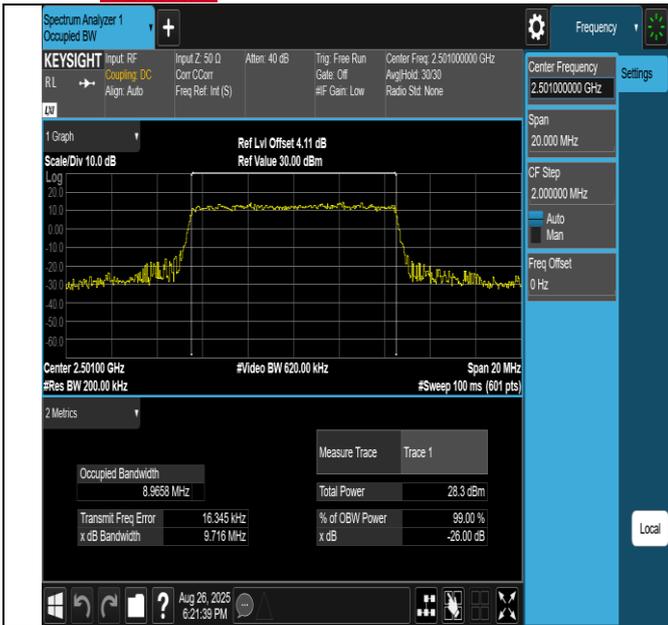
Test Graphs

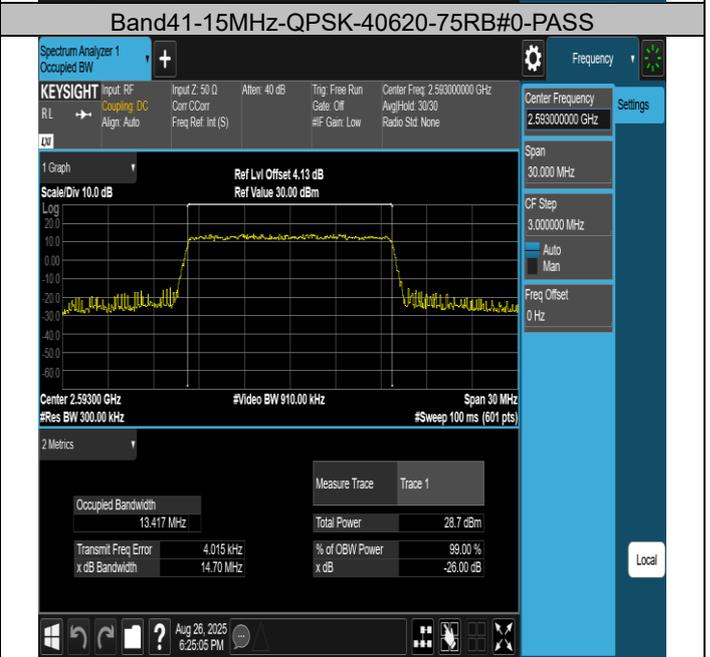
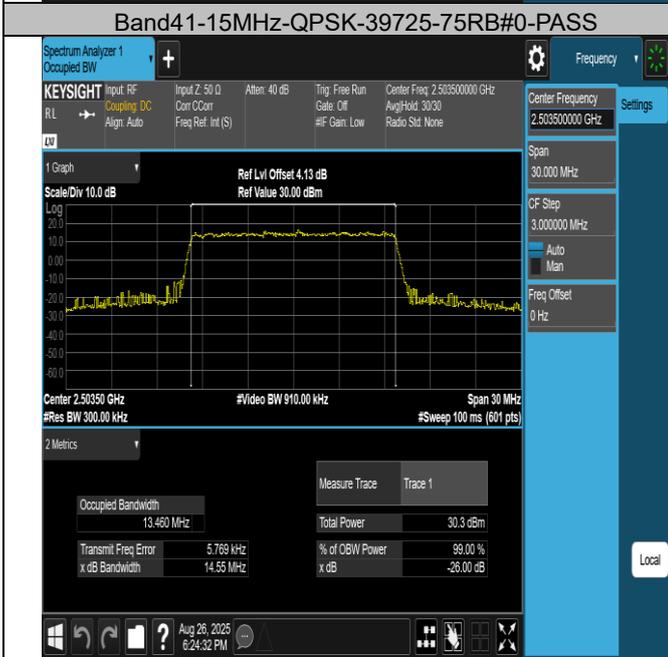
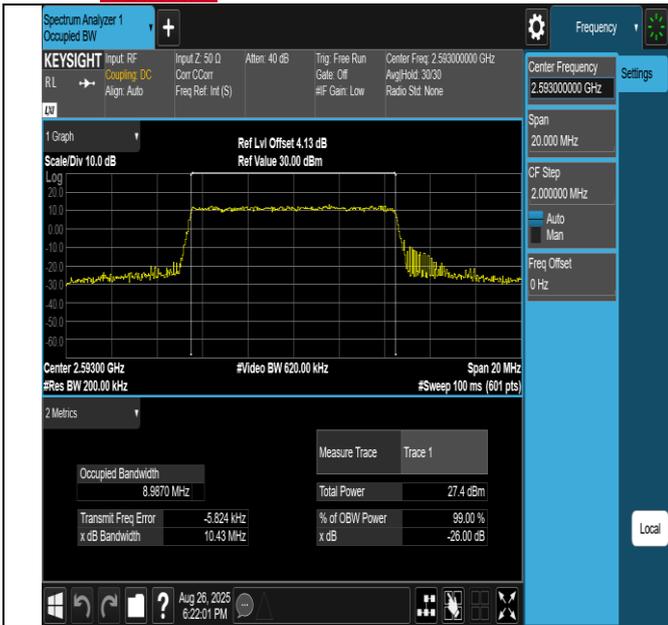
Band41-5MHz-QPSK-39675-25RB#0-PASS	Band41-5MHz-QPSK-40620-25RB#0-PASS
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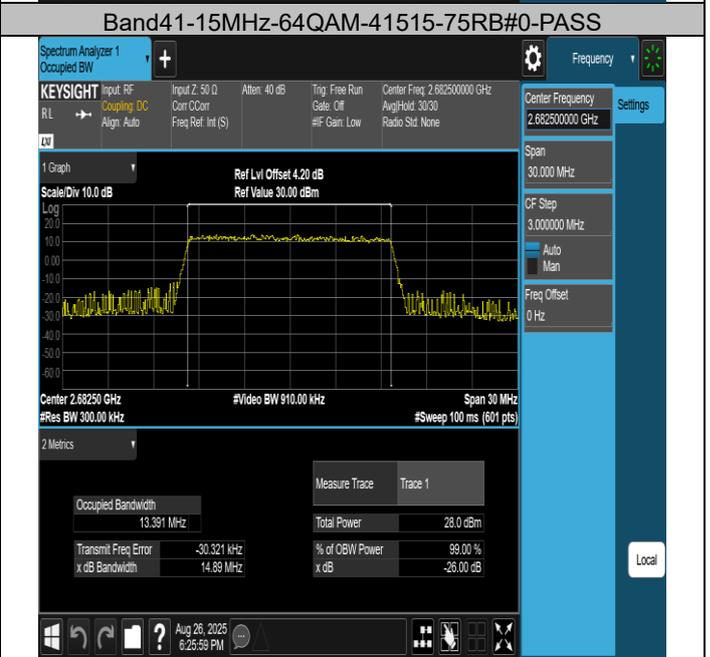
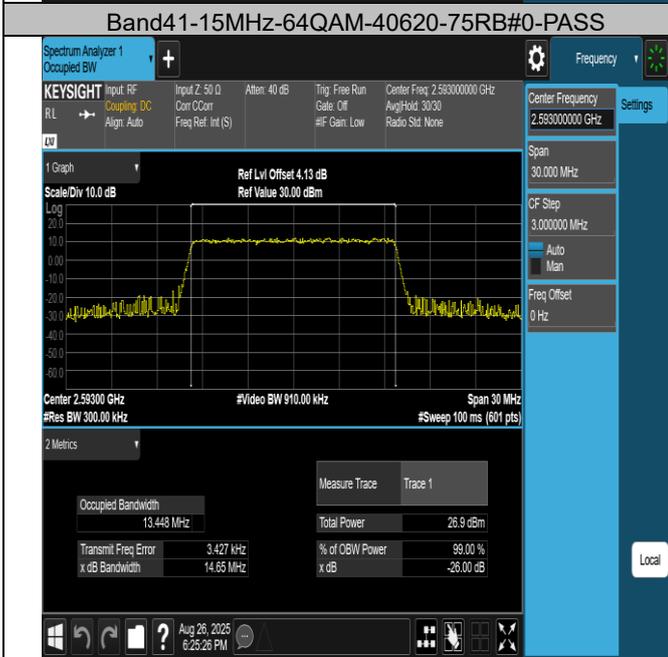
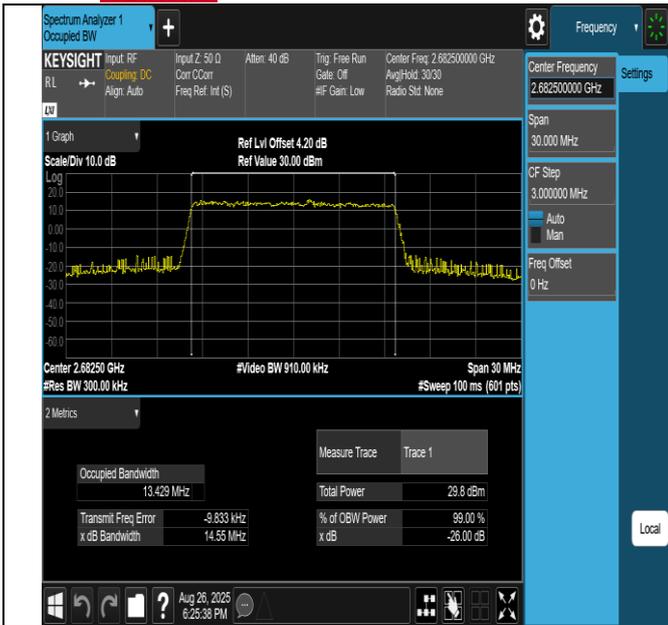


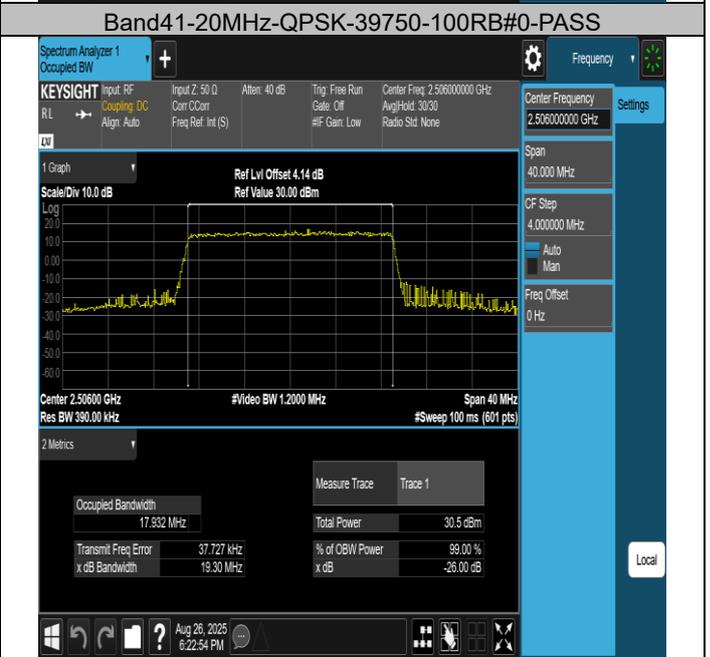
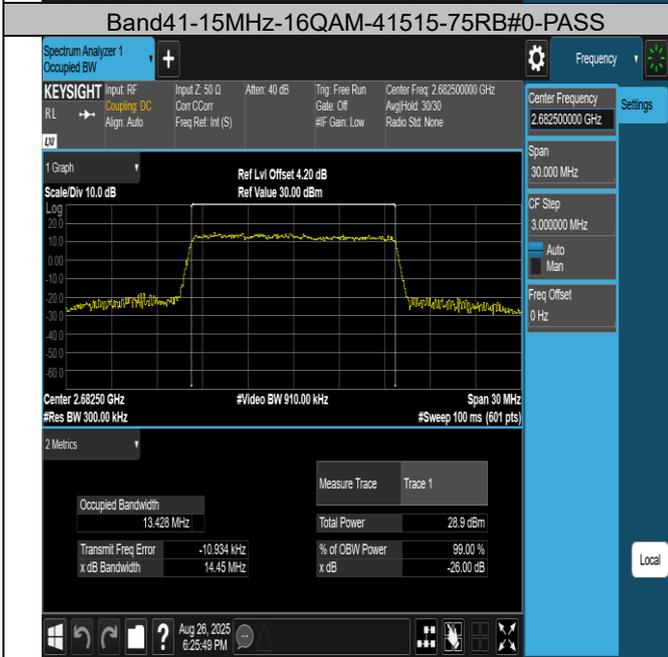
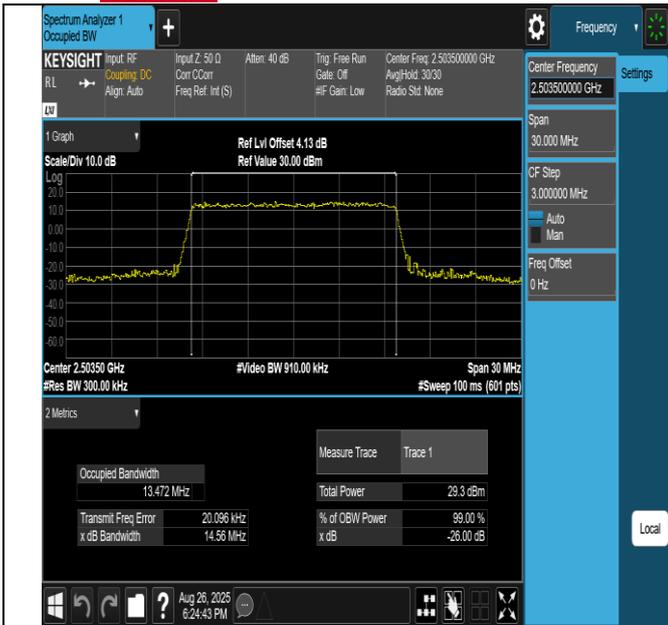


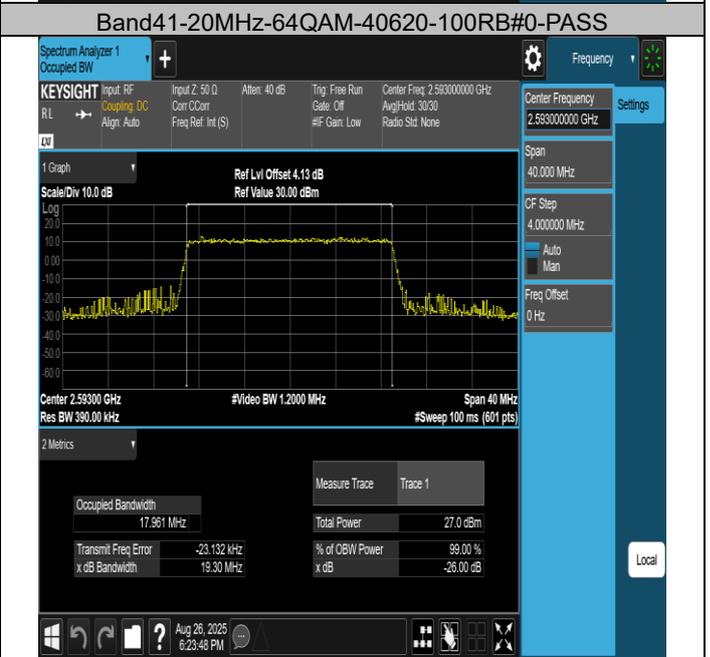
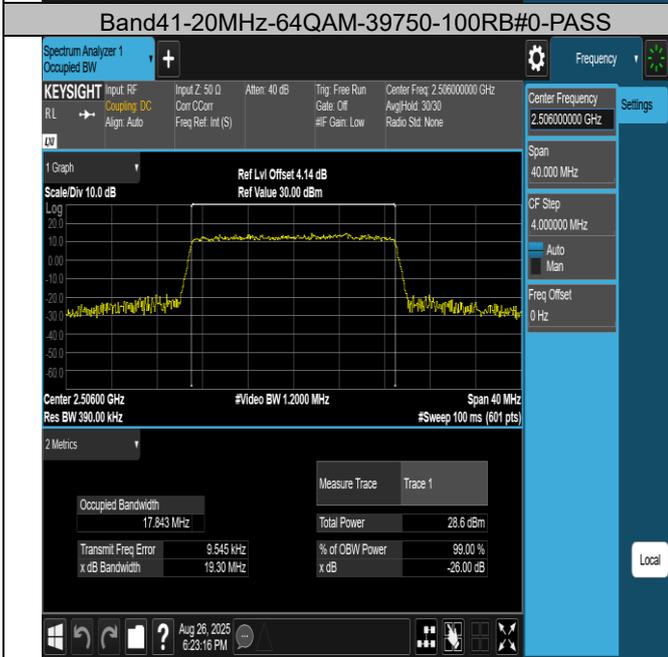
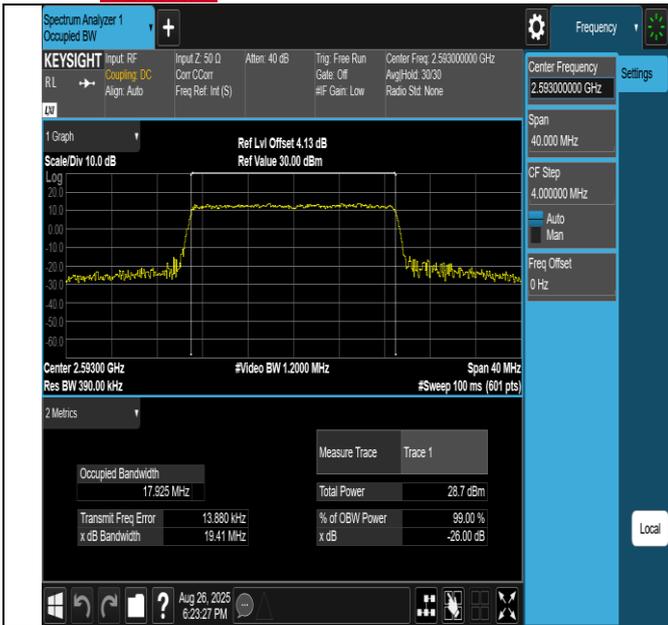


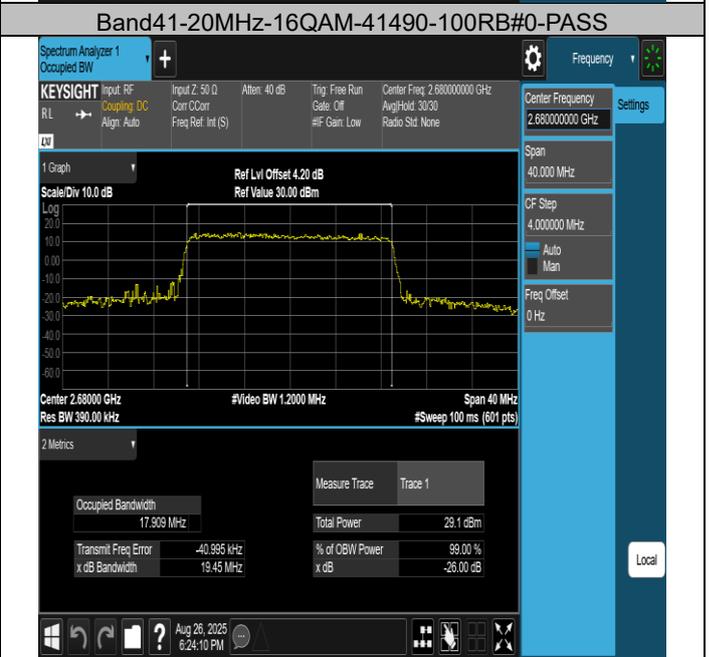
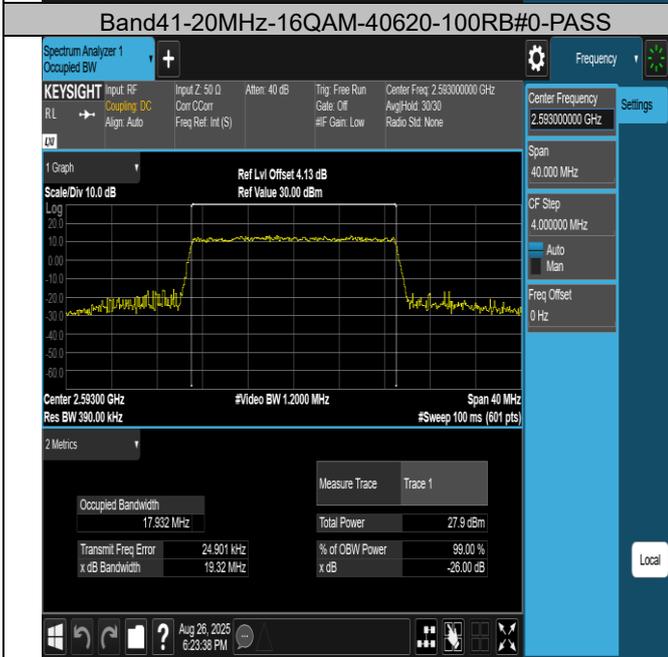
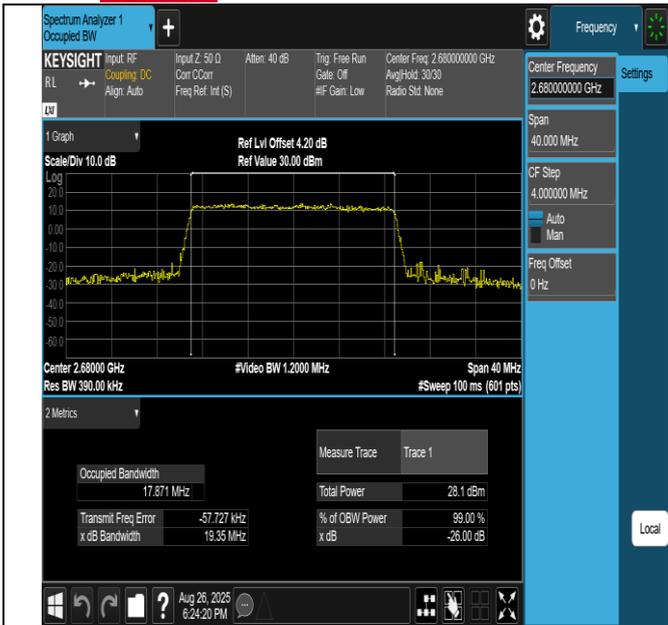














APPENDIX : BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	-20.83	PASS
Band41	5MHz	QPSK	39675	25RB#0	-33.64	PASS
Band41	5MHz	QPSK	41565	1RB#24	-17.52	PASS
Band41	5MHz	QPSK	41565	25RB#0	-33.61	PASS
Band41	5MHz	64QAM	39675	1RB#0	-20.95	PASS
Band41	5MHz	64QAM	39675	25RB#0	-33.59	PASS
Band41	5MHz	64QAM	41565	1RB#24	-17.37	PASS
Band41	5MHz	64QAM	41565	25RB#0	-33.55	PASS
Band41	5MHz	16QAM	39675	1RB#0	-22.34	PASS
Band41	5MHz	16QAM	39675	25RB#0	-35.34	PASS
Band41	5MHz	16QAM	41565	1RB#24	-16.43	PASS
Band41	5MHz	16QAM	41565	25RB#0	-35.34	PASS
Band41	10MHz	QPSK	39700	1RB#0	-22.35	PASS
Band41	10MHz	QPSK	39700	50RB#0	-26.53	PASS
Band41	10MHz	QPSK	41540	1RB#49	-19.02	PASS
Band41	10MHz	QPSK	41540	50RB#0	-33.04	PASS
Band41	10MHz	64QAM	39700	1RB#0	-21.74	PASS
Band41	10MHz	64QAM	39700	50RB#0	-26.79	PASS
Band41	10MHz	64QAM	41540	1RB#49	-19.15	PASS
Band41	10MHz	64QAM	41540	50RB#0	-33.13	PASS
Band41	10MHz	16QAM	39700	1RB#0	-23.91	PASS
Band41	10MHz	16QAM	39700	50RB#0	-28.63	PASS
Band41	10MHz	16QAM	41540	1RB#49	-19.36	PASS
Band41	10MHz	16QAM	41540	50RB#0	-34.65	PASS
Band41	15MHz	QPSK	39725	1RB#0	-32.65	PASS
Band41	15MHz	QPSK	39725	75RB#0	-24.44	FAIL
Band41	15MHz	QPSK	39725	75RB#0	-25.72	PASS_Final1
Band41	15MHz	QPSK	41515	1RB#74	-19.42	PASS
Band41	15MHz	QPSK	41515	75RB#0	-32.94	PASS
Band41	15MHz	64QAM	39725	1RB#0	-32.57	PASS
Band41	15MHz	64QAM	39725	75RB#0	-24.86	FAIL
Band41	15MHz	64QAM	39725	75RB#0	-25.89	PASS_Final1
Band41	15MHz	64QAM	41515	1RB#74	-19.35	PASS
Band41	15MHz	64QAM	41515	75RB#0	-33.04	PASS
Band41	15MHz	16QAM	39725	1RB#0	-33.97	PASS
Band41	15MHz	16QAM	39725	75RB#0	-28.36	PASS
Band41	15MHz	16QAM	41515	1RB#74	-20.98	PASS
Band41	15MHz	16QAM	41515	75RB#0	-35.60	PASS
Band41	20MHz	QPSK	39750	1RB#0	-32.87	PASS
Band41	20MHz	QPSK	39750	100RB#0	-28.33	PASS
Band41	20MHz	QPSK	41490	1RB#99	-22.97	PASS
Band41	20MHz	QPSK	41490	100RB#0	-36.49	PASS
Band41	20MHz	64QAM	39750	1RB#0	-32.80	PASS
Band41	20MHz	64QAM	39750	100RB#0	-28.37	PASS
Band41	20MHz	64QAM	41490	1RB#99	-22.82	PASS
Band41	20MHz	64QAM	41490	100RB#0	-36.64	PASS
Band41	20MHz	16QAM	39750	1RB#0	-34.36	PASS
Band41	20MHz	16QAM	39750	100RB#0	-29.78	PASS
Band41	20MHz	16QAM	41490	1RB#99	-25.35	PASS



Band41	20MHz	16QAM	41490	100RB#0	-37.87	PASS
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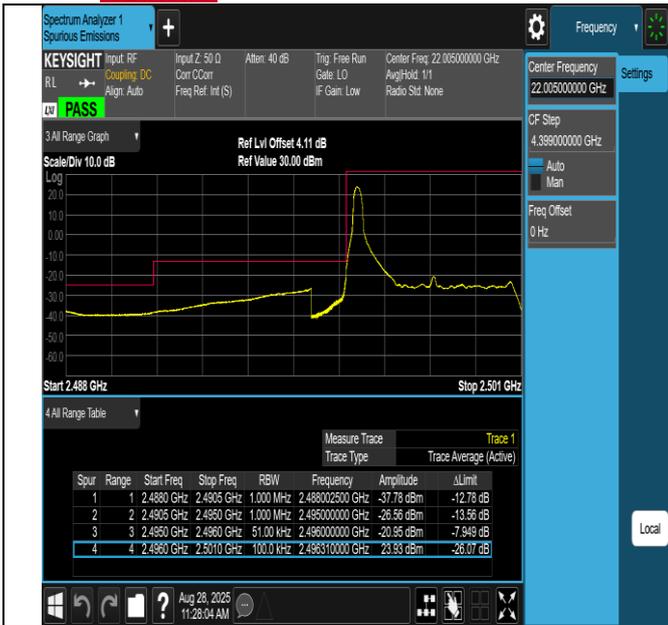
Test Graphs





BUREAU VERITAS

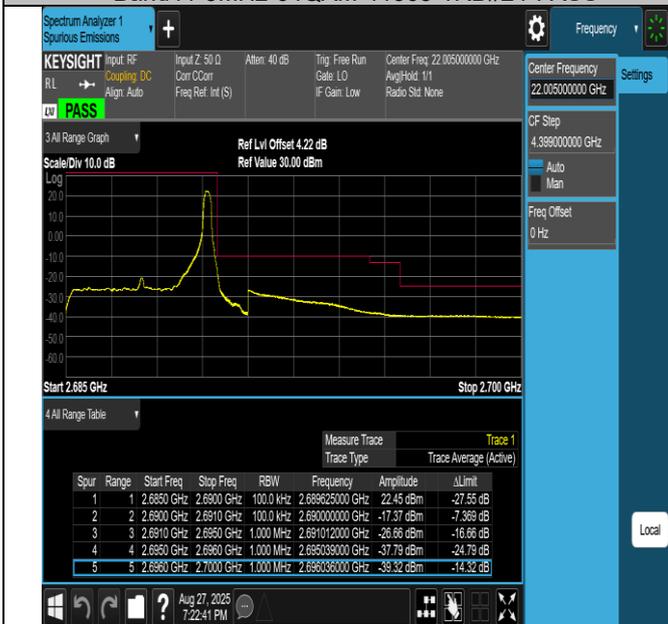
Test Report No.: PSU-QBJ2508070215RF04



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Band41-5MHz-64QAM-41565-25RB#0-PASS



Band41-5MHz-16QAM-39675-1RB#0-PASS

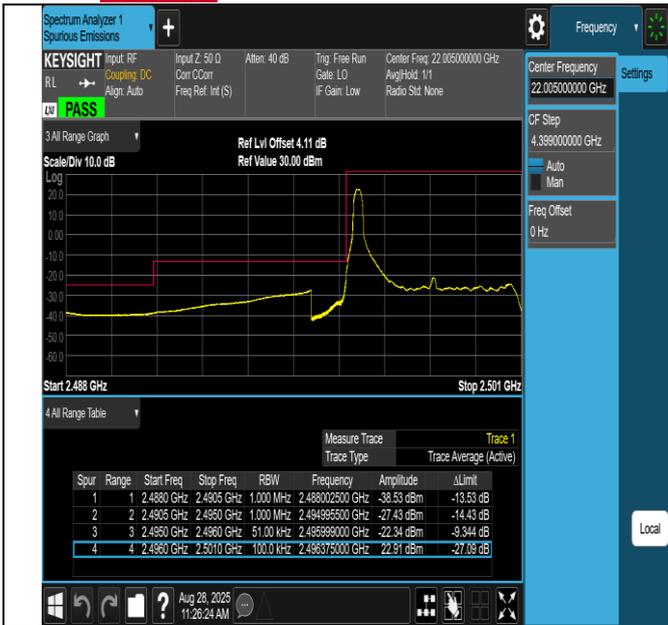


Band41-5MHz-16QAM-39675-25RB#0-PASS



BUREAU VERITAS

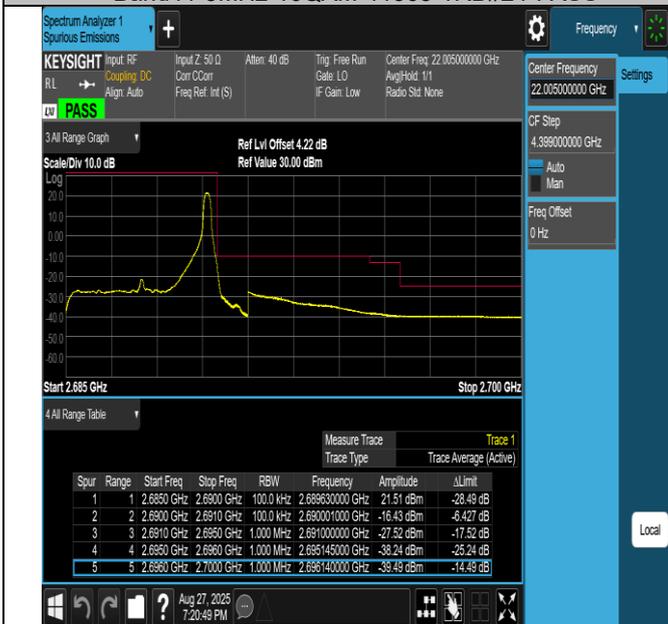
Test Report No.: PSU-QBJ2508070215RF04



Band41-5MHz-16QAM-41565-1RB#24-PASS



Band41-5MHz-16QAM-41565-25RB#0-PASS



Band41-10MHz-QPSK-39700-1RB#0-PASS



Band41-10MHz-QPSK-39700-50RB#0-PASS



BUREAU VERITAS

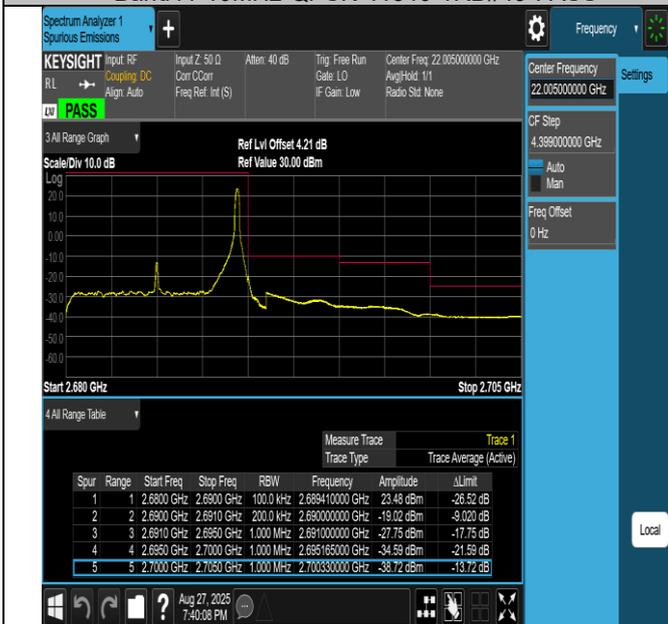
Test Report No.: PSU-QBJ2508070215RF04



Band41-10MHz-QPSK-41540-1RB#49-PASS



Band41-10MHz-QPSK-41540-50RB#0-PASS



Band41-10MHz-64QAM-39700-1RB#0-PASS



Band41-10MHz-64QAM-39700-50RB#0-PASS