

Appendix for LTE Band 41

Applicant: Launch Tech Co., Ltd.

**Address: No.4012, Launch Industrial Park, North
Wuhe Rd, Bantian Street, Longgang District,
Shenzhen, China**

Product Name: Car Sense Vision

Model: YG5201

CONTENTS

APPENDIX A: CONDUCTED OUTPUT POWER.....3

APPENDIX B: PEAK-TO-AVERAGE RATIO(CCDF)8

APPENDIX C: 26dB BANDWIDTH AND OCCUPIED BANDWIDTH26

APPENDIX D: BAND EDGE.....35

APPENDIX E: CONDUCTED SPURIOUS EMISSION53

APPENDIX F: FREQUENCY STABILITY.....96

Appendix A: Conducted Output Power

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	10MHz	QPSK	39700	1RB#0	23.15	PASS
Band41	10MHz	16QAM	39700	1RB#0	22.26	PASS
Band41	10MHz	QPSK	39700	1RB#24	22.82	PASS
Band41	10MHz	16QAM	39700	1RB#24	22.01	PASS
Band41	10MHz	QPSK	39700	1RB#49	23.08	PASS
Band41	10MHz	16QAM	39700	1RB#49	22.28	PASS
Band41	10MHz	QPSK	39700	25RB#0	21.94	PASS
Band41	10MHz	16QAM	39700	25RB#0	20.99	PASS
Band41	10MHz	QPSK	39700	25RB#12	21.98	PASS
Band41	10MHz	16QAM	39700	25RB#12	20.98	PASS
Band41	10MHz	QPSK	39700	25RB#25	21.96	PASS
Band41	10MHz	16QAM	39700	25RB#25	21.05	PASS
Band41	10MHz	QPSK	39700	50RB#0	21.85	PASS
Band41	10MHz	16QAM	39700	50RB#0	20.84	PASS
Band41	10MHz	QPSK	40620	1RB#0	23.09	PASS
Band41	10MHz	16QAM	40620	1RB#0	22.02	PASS
Band41	10MHz	QPSK	40620	1RB#24	22.87	PASS
Band41	10MHz	16QAM	40620	1RB#24	21.61	PASS
Band41	10MHz	QPSK	40620	1RB#49	23.15	PASS
Band41	10MHz	16QAM	40620	1RB#49	21.87	PASS
Band41	10MHz	QPSK	40620	25RB#0	22.01	PASS
Band41	10MHz	16QAM	40620	25RB#0	20.96	PASS
Band41	10MHz	QPSK	40620	25RB#12	22.02	PASS
Band41	10MHz	16QAM	40620	25RB#12	20.95	PASS
Band41	10MHz	QPSK	40620	25RB#25	21.90	PASS
Band41	10MHz	16QAM	40620	25RB#25	20.83	PASS
Band41	10MHz	QPSK	40620	50RB#0	22.04	PASS
Band41	10MHz	16QAM	40620	50RB#0	20.98	PASS
Band41	10MHz	QPSK	41540	1RB#0	22.54	PASS
Band41	10MHz	16QAM	41540	1RB#0	21.50	PASS
Band41	10MHz	QPSK	41540	1RB#24	22.17	PASS
Band41	10MHz	16QAM	41540	1RB#24	21.26	PASS
Band41	10MHz	QPSK	41540	1RB#49	22.52	PASS
Band41	10MHz	16QAM	41540	1RB#49	21.42	PASS
Band41	10MHz	QPSK	41540	25RB#0	21.43	PASS
Band41	10MHz	16QAM	41540	25RB#0	20.55	PASS
Band41	10MHz	QPSK	41540	25RB#12	21.41	PASS
Band41	10MHz	16QAM	41540	25RB#12	20.53	PASS

Band41	10MHz	QPSK	41540	25RB#25	21.45	PASS
Band41	10MHz	16QAM	41540	25RB#25	20.47	PASS
Band41	10MHz	QPSK	41540	50RB#0	21.38	PASS
Band41	10MHz	16QAM	41540	50RB#0	20.39	PASS
Band41	15MHz	QPSK	39725	1RB#0	22.94	PASS
Band41	15MHz	16QAM	39725	1RB#0	21.97	PASS
Band41	15MHz	QPSK	39725	1RB#38	23.13	PASS
Band41	15MHz	16QAM	39725	1RB#38	22.32	PASS
Band41	15MHz	QPSK	39725	1RB#74	22.49	PASS
Band41	15MHz	16QAM	39725	1RB#74	21.57	PASS
Band41	15MHz	QPSK	39725	38RB#0	22.20	PASS
Band41	15MHz	16QAM	39725	38RB#0	21.42	PASS
Band41	15MHz	QPSK	39725	38RB#18	22.19	PASS
Band41	15MHz	16QAM	39725	38RB#18	21.32	PASS
Band41	15MHz	QPSK	39725	38RB#37	21.99	PASS
Band41	15MHz	16QAM	39725	38RB#37	21.01	PASS
Band41	15MHz	QPSK	39725	75RB#0	22.10	PASS
Band41	15MHz	16QAM	39725	75RB#0	21.13	PASS
Band41	15MHz	QPSK	40620	1RB#0	23.02	PASS
Band41	15MHz	16QAM	40620	1RB#0	21.77	PASS
Band41	15MHz	QPSK	40620	1RB#38	23.32	PASS
Band41	15MHz	16QAM	40620	1RB#38	22.12	PASS
Band41	15MHz	QPSK	40620	1RB#74	22.47	PASS
Band41	15MHz	16QAM	40620	1RB#74	21.24	PASS
Band41	15MHz	QPSK	40620	38RB#0	22.24	PASS
Band41	15MHz	16QAM	40620	38RB#0	21.21	PASS
Band41	15MHz	QPSK	40620	38RB#18	22.23	PASS
Band41	15MHz	16QAM	40620	38RB#18	21.24	PASS
Band41	15MHz	QPSK	40620	38RB#37	21.85	PASS
Band41	15MHz	16QAM	40620	38RB#37	20.79	PASS
Band41	15MHz	QPSK	40620	75RB#0	22.11	PASS
Band41	15MHz	16QAM	40620	75RB#0	21.13	PASS
Band41	15MHz	QPSK	41515	1RB#0	22.58	PASS
Band41	15MHz	16QAM	41515	1RB#0	21.39	PASS
Band41	15MHz	QPSK	41515	1RB#38	22.58	PASS
Band41	15MHz	16QAM	41515	1RB#38	21.63	PASS
Band41	15MHz	QPSK	41515	1RB#74	21.97	PASS
Band41	15MHz	16QAM	41515	1RB#74	20.85	PASS
Band41	15MHz	QPSK	41515	38RB#0	21.84	PASS
Band41	15MHz	16QAM	41515	38RB#0	20.83	PASS
Band41	15MHz	QPSK	41515	38RB#18	21.80	PASS
Band41	15MHz	16QAM	41515	38RB#18	20.92	PASS
Band41	15MHz	QPSK	41515	38RB#37	21.44	PASS

Band41	15MHz	16QAM	41515	38RB#37	20.54	PASS
Band41	15MHz	QPSK	41515	75RB#0	21.70	PASS
Band41	15MHz	16QAM	41515	75RB#0	20.62	PASS
Band41	20MHz	QPSK	39750	1RB#0	23.37	PASS
Band41	20MHz	16QAM	39750	1RB#0	22.42	PASS
Band41	20MHz	QPSK	39750	1RB#49	23.19	PASS
Band41	20MHz	16QAM	39750	1RB#49	22.24	PASS
Band41	20MHz	QPSK	39750	1RB#99	22.92	PASS
Band41	20MHz	16QAM	39750	1RB#99	21.93	PASS
Band41	20MHz	QPSK	39750	50RB#0	22.26	PASS
Band41	20MHz	16QAM	39750	50RB#0	21.29	PASS
Band41	20MHz	QPSK	39750	50RB#25	22.33	PASS
Band41	20MHz	16QAM	39750	50RB#25	21.29	PASS
Band41	20MHz	QPSK	39750	50RB#50	22.22	PASS
Band41	20MHz	16QAM	39750	50RB#50	21.22	PASS
Band41	20MHz	QPSK	39750	100RB#0	22.39	PASS
Band41	20MHz	16QAM	39750	100RB#0	21.39	PASS
Band41	20MHz	QPSK	40620	1RB#0	23.36	PASS
Band41	20MHz	16QAM	40620	1RB#0	22.09	PASS
Band41	20MHz	QPSK	40620	1RB#49	23.17	PASS
Band41	20MHz	16QAM	40620	1RB#49	22.12	PASS
Band41	20MHz	QPSK	40620	1RB#99	23.17	PASS
Band41	20MHz	16QAM	40620	1RB#99	21.83	PASS
Band41	20MHz	QPSK	40620	50RB#0	22.29	PASS
Band41	20MHz	16QAM	40620	50RB#0	21.32	PASS
Band41	20MHz	QPSK	40620	50RB#25	22.28	PASS
Band41	20MHz	16QAM	40620	50RB#25	21.28	PASS
Band41	20MHz	QPSK	40620	50RB#50	22.17	PASS
Band41	20MHz	16QAM	40620	50RB#50	21.18	PASS
Band41	20MHz	QPSK	40620	100RB#0	22.30	PASS
Band41	20MHz	16QAM	40620	100RB#0	21.35	PASS
Band41	20MHz	QPSK	41490	1RB#0	22.91	PASS
Band41	20MHz	16QAM	41490	1RB#0	21.57	PASS
Band41	20MHz	QPSK	41490	1RB#49	22.80	PASS
Band41	20MHz	16QAM	41490	1RB#49	21.92	PASS
Band41	20MHz	QPSK	41490	1RB#99	22.84	PASS
Band41	20MHz	16QAM	41490	1RB#99	21.43	PASS
Band41	20MHz	QPSK	41490	50RB#0	21.83	PASS
Band41	20MHz	16QAM	41490	50RB#0	20.83	PASS
Band41	20MHz	QPSK	41490	50RB#25	21.76	PASS
Band41	20MHz	16QAM	41490	50RB#25	20.77	PASS
Band41	20MHz	QPSK	41490	50RB#50	21.81	PASS
Band41	20MHz	16QAM	41490	50RB#50	20.77	PASS

Band41	20MHz	QPSK	41490	100RB#0	21.80	PASS
Band41	20MHz	16QAM	41490	100RB#0	20.81	PASS
Band41	5MHz	QPSK	39675	1RB#0	22.91	PASS
Band41	5MHz	16QAM	39675	1RB#0	22.14	PASS
Band41	5MHz	QPSK	39675	1RB#12	22.98	PASS
Band41	5MHz	16QAM	39675	1RB#12	22.12	PASS
Band41	5MHz	QPSK	39675	1RB#24	23.02	PASS
Band41	5MHz	16QAM	39675	1RB#24	22.29	PASS
Band41	5MHz	QPSK	39675	12RB#0	22.07	PASS
Band41	5MHz	16QAM	39675	12RB#0	21.08	PASS
Band41	5MHz	QPSK	39675	12RB#6	22.02	PASS
Band41	5MHz	16QAM	39675	12RB#6	21.05	PASS
Band41	5MHz	QPSK	39675	12RB#13	21.93	PASS
Band41	5MHz	16QAM	39675	12RB#13	20.92	PASS
Band41	5MHz	QPSK	39675	25RB#0	22.06	PASS
Band41	5MHz	16QAM	39675	25RB#0	21.04	PASS
Band41	5MHz	QPSK	40620	1RB#0	23.09	PASS
Band41	5MHz	16QAM	40620	1RB#0	22.14	PASS
Band41	5MHz	QPSK	40620	1RB#12	22.88	PASS
Band41	5MHz	16QAM	40620	1RB#12	21.99	PASS
Band41	5MHz	QPSK	40620	1RB#24	22.89	PASS
Band41	5MHz	16QAM	40620	1RB#24	21.87	PASS
Band41	5MHz	QPSK	40620	12RB#0	21.98	PASS
Band41	5MHz	16QAM	40620	12RB#0	21.03	PASS
Band41	5MHz	QPSK	40620	12RB#6	22.00	PASS
Band41	5MHz	16QAM	40620	12RB#6	20.98	PASS
Band41	5MHz	QPSK	40620	12RB#13	21.98	PASS
Band41	5MHz	16QAM	40620	12RB#13	20.95	PASS
Band41	5MHz	QPSK	40620	25RB#0	22.06	PASS
Band41	5MHz	16QAM	40620	25RB#0	20.96	PASS
Band41	5MHz	QPSK	41565	1RB#0	22.61	PASS
Band41	5MHz	16QAM	41565	1RB#0	21.98	PASS
Band41	5MHz	QPSK	41565	1RB#12	22.37	PASS
Band41	5MHz	16QAM	41565	1RB#12	22.02	PASS
Band41	5MHz	QPSK	41565	1RB#24	22.48	PASS
Band41	5MHz	16QAM	41565	1RB#24	21.85	PASS
Band41	5MHz	QPSK	41565	12RB#0	21.65	PASS
Band41	5MHz	16QAM	41565	12RB#0	20.46	PASS
Band41	5MHz	QPSK	41565	12RB#6	21.53	PASS
Band41	5MHz	16QAM	41565	12RB#6	20.45	PASS
Band41	5MHz	QPSK	41565	12RB#13	21.50	PASS
Band41	5MHz	16QAM	41565	12RB#13	20.41	PASS
Band41	5MHz	QPSK	41565	25RB#0	21.50	PASS

Band41	5MHz	16QAM	41565	25RB#0	20.52	PASS
--------	------	-------	-------	--------	-------	------

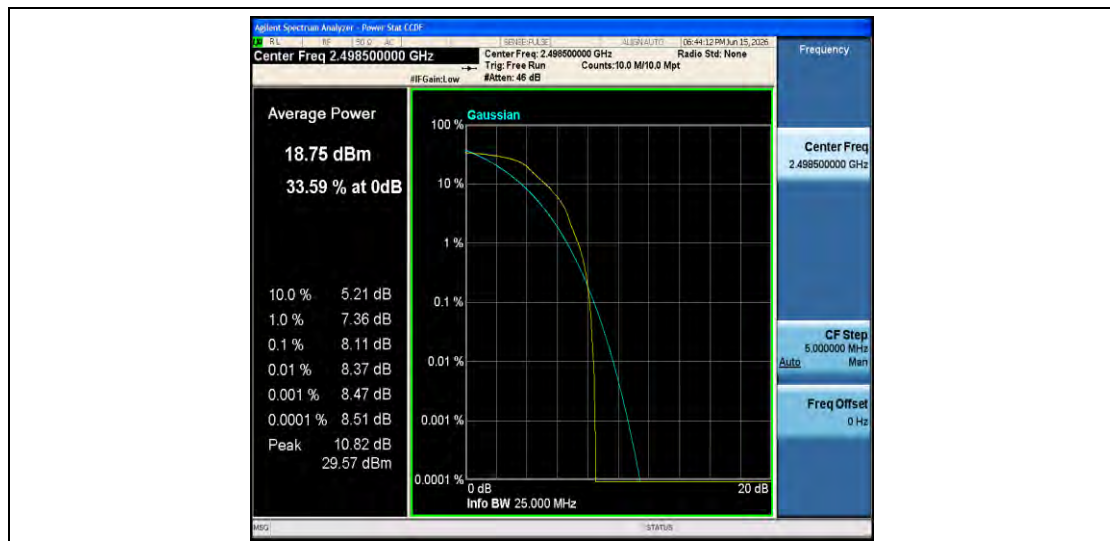
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

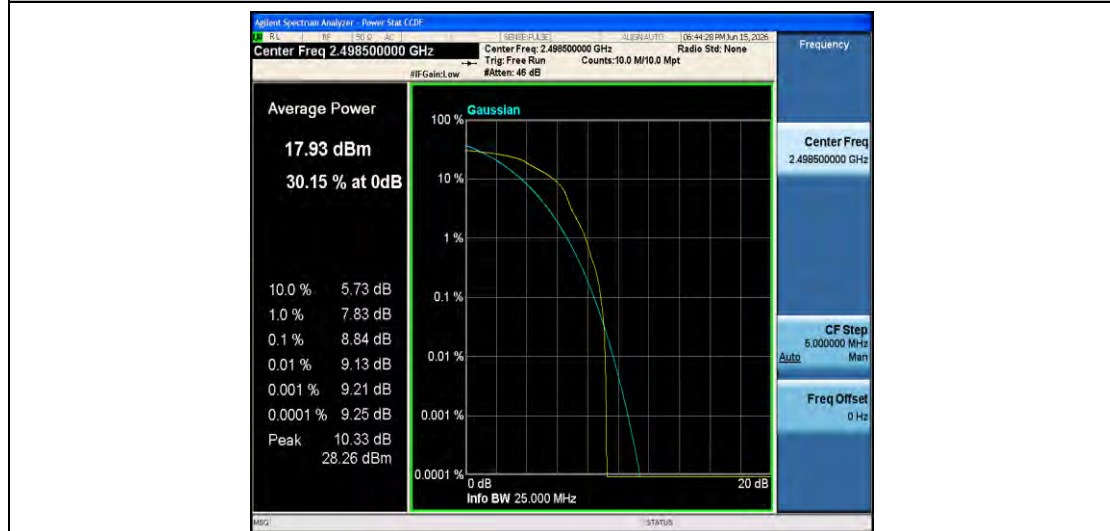
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	8.11	13	PASS
Band41	5MHz	16QAM	39675	1RB#0	8.84	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	9.14	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	9.89	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	8.61	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	9.08	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	8.68	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	9.71	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	8.26	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	8.98	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	8.83	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	9.49	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	7.81	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	9.08	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.92	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.58	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	8.61	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	9.07	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.76	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.73	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	8.23	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	9.48	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.07	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.23	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	8.40	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	9.37	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	9.12	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	9.63	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	8.50	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	9.18	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	9.27	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	10.02	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	8.58	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	9.22	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	8.95	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	9.25	13	PASS
Band41	20MHz	QPSK	39750	1RB#0	8.68	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	9.53	13	PASS

Band41	20MHz	QPSK	39750	100RB#0	9.04	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.38	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	7.92	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	8.83	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.81	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.69	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	7.65	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	9.17	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	9.15	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	8.93	13	PASS

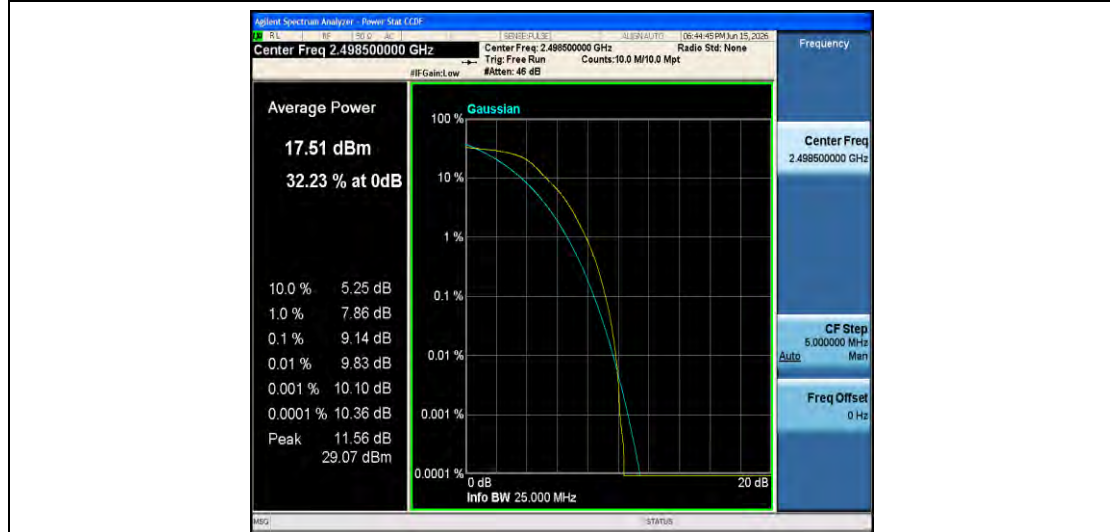
Test Graphs



Band41-5MHz-QPSK-39675-1RB#0-PASS



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



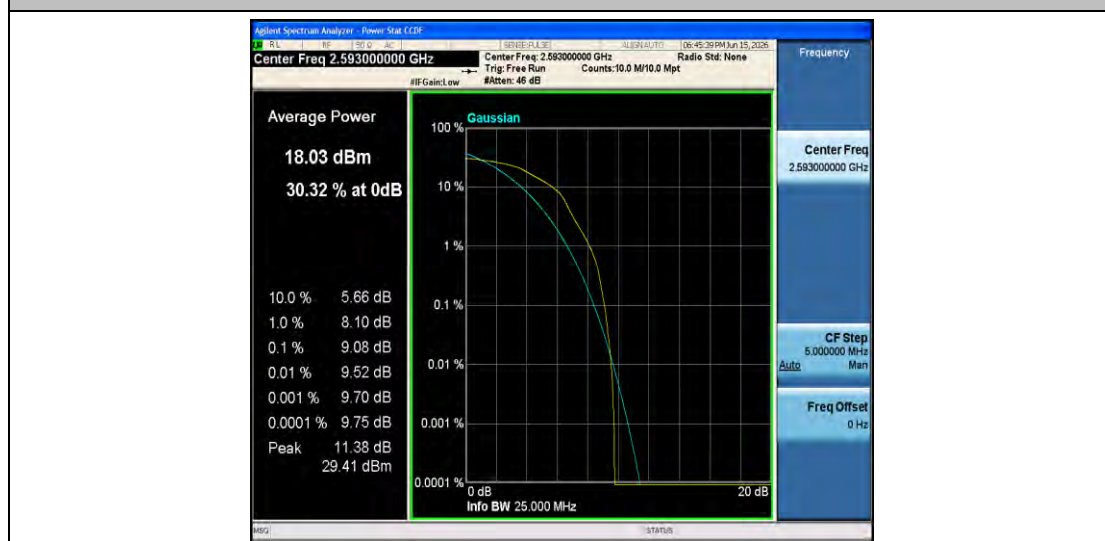
Band41-5MHz-QPSK-39675-25RB#0-PASS



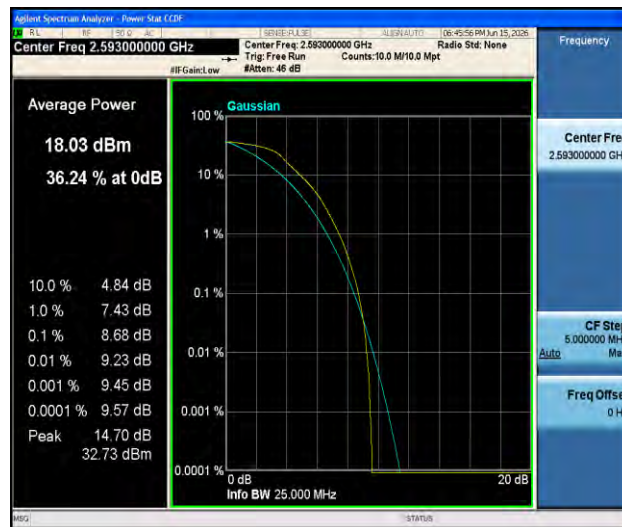
Band41-5MHz-16QAM-39675-25RB#0-PASS



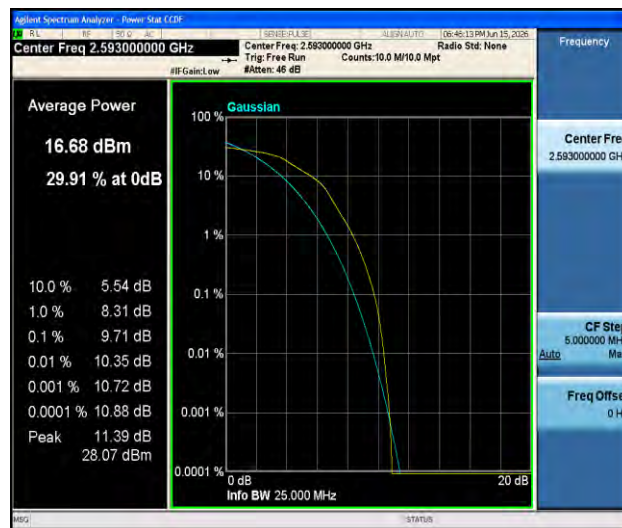
Band41-5MHz-QPSK-40620-1RB#0-PASS



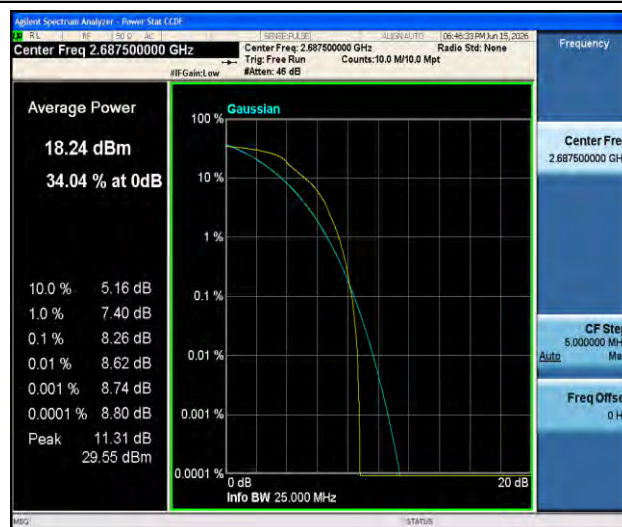
Band41-5MHz-16QAM-40620-1RB#0-PASS



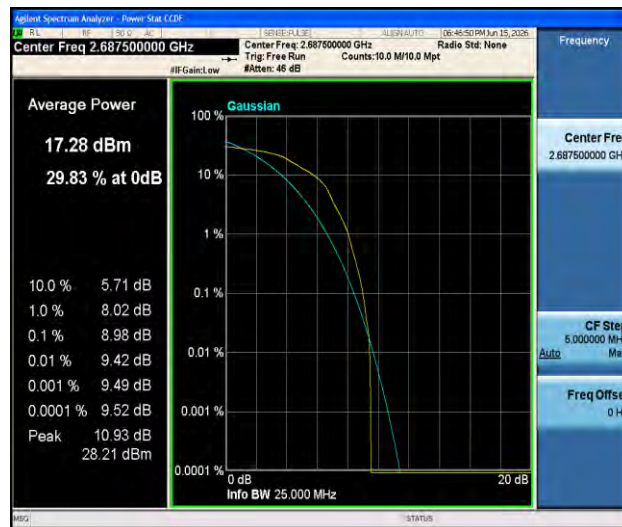
Band41-5MHz-QPSK-40620-25RB#0-PASS



Band41-5MHz-16QAM-40620-25RB#0-PASS



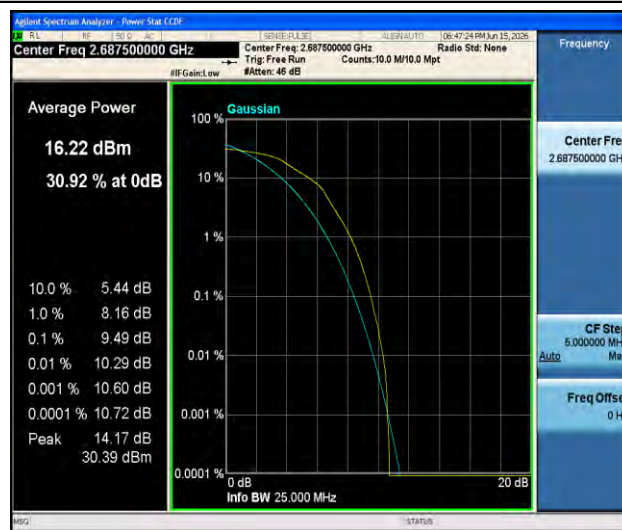
Band41-5MHz-QPSK-41565-1RB#0-PASS



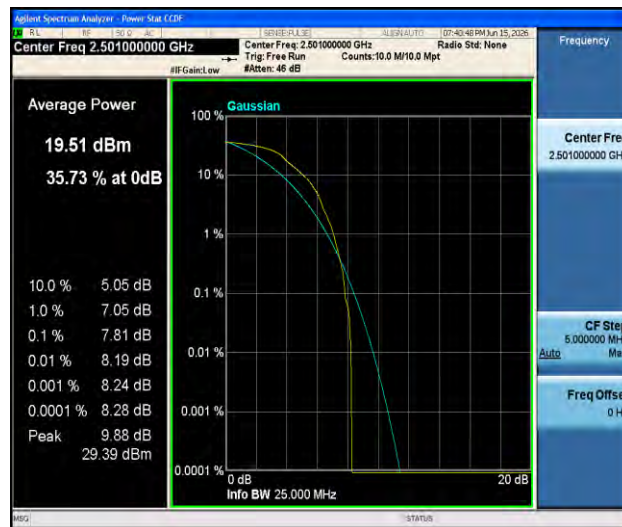
Band41-5MHz-16QAM-41565-1RB#0-PASS



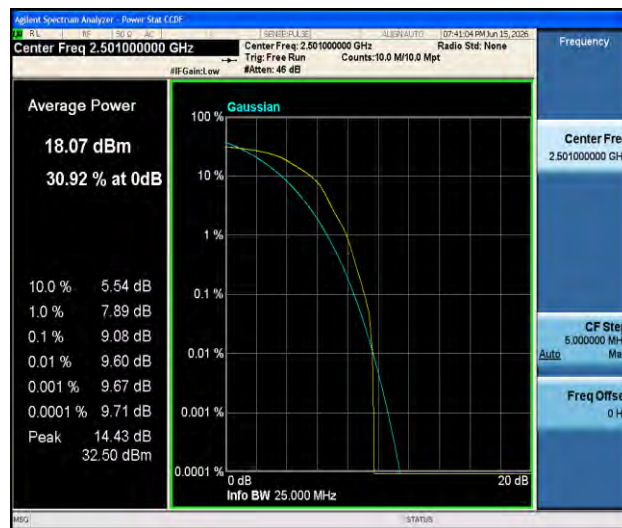
Band41-5MHz-QPSK-41565-25RB#0-PASS



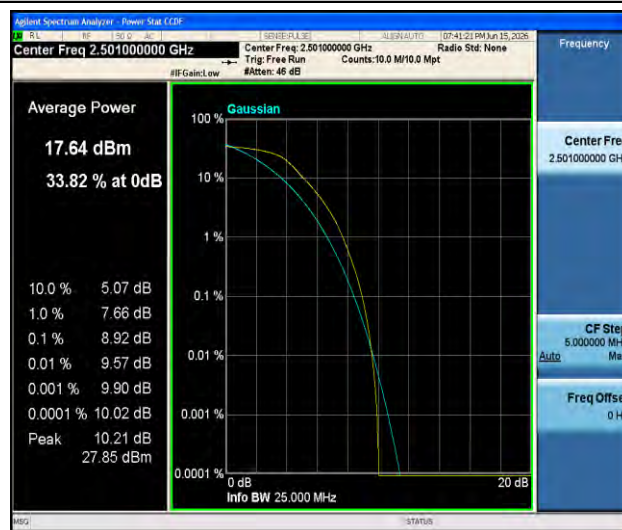
Band41-5MHz-16QAM-41565-25RB#0-PASS



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



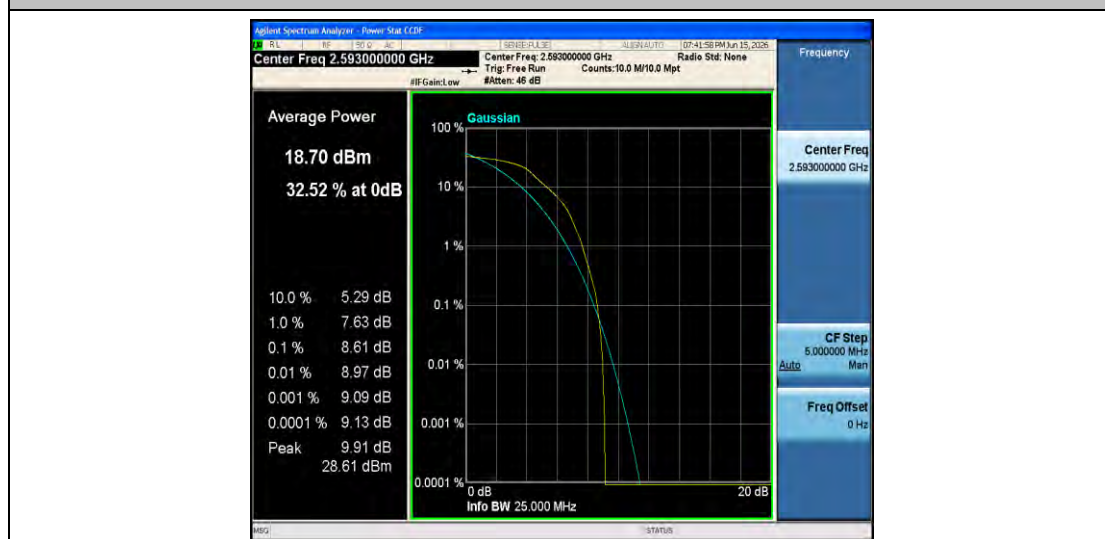
Band41-10MHz-16QAM-39700-1RB#0-PASS



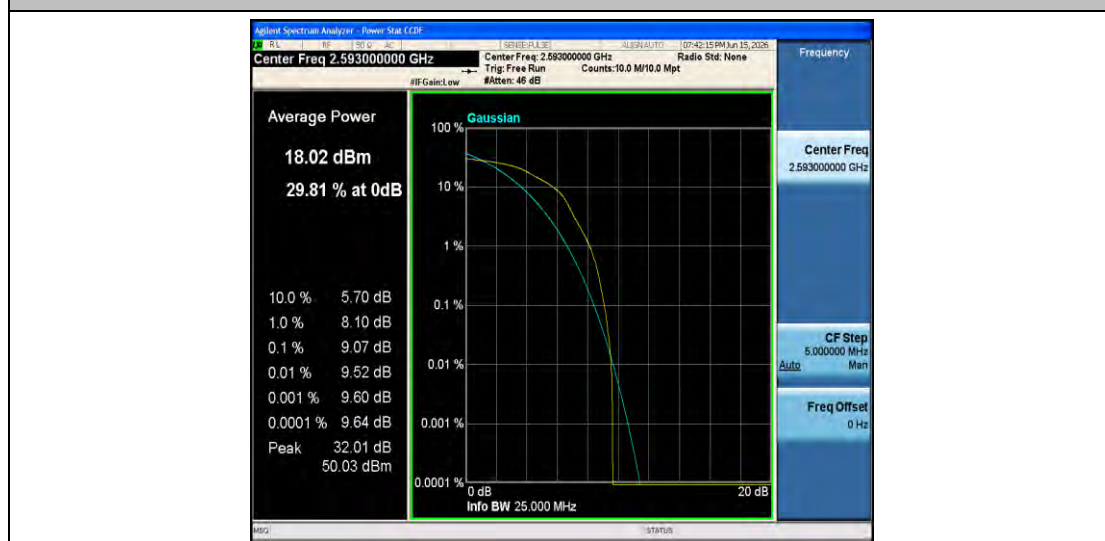
Band41-10MHz-QPSK-39700-50RB#0-PASS



Band41-10MHz-16QAM-39700-50RB#0-PASS



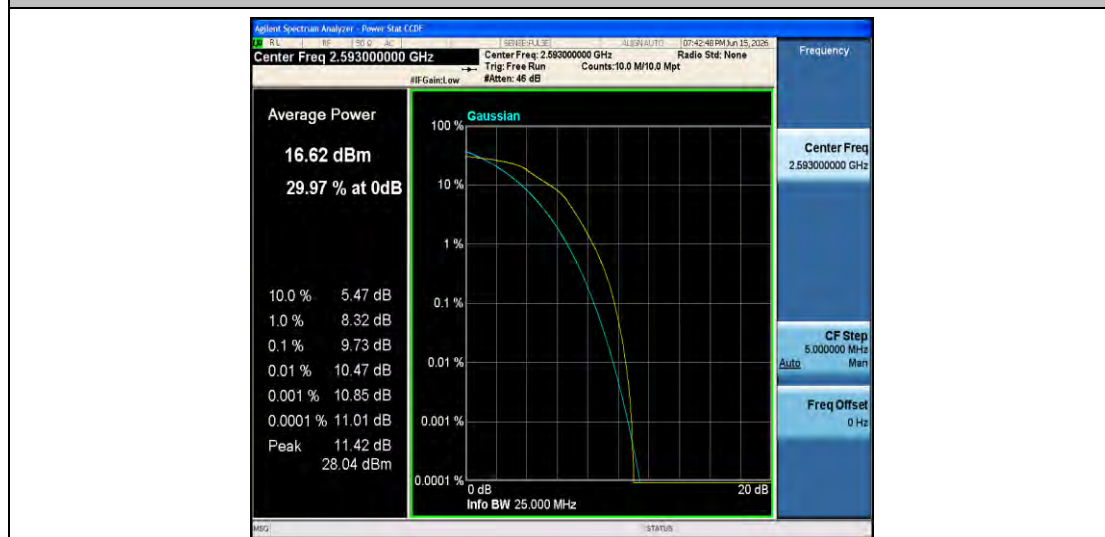
Band41-10MHz-QPSK-40620-1RB#0-PASS



Band41-10MHz-16QAM-40620-1RB#0-PASS



Band41-10MHz-QPSK-40620-50RB#0-PASS



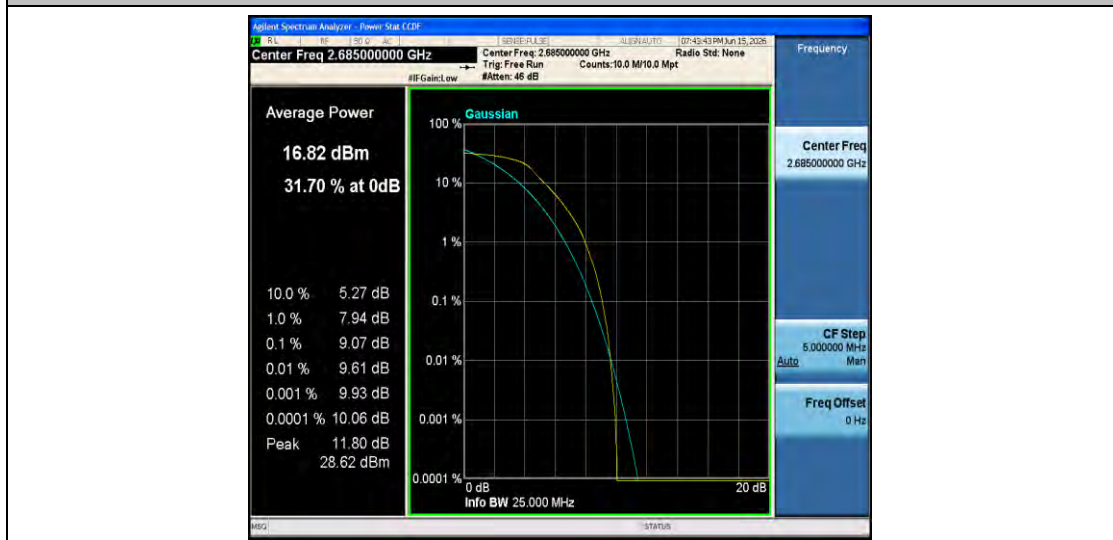
Band41-10MHz-16QAM-40620-50RB#0-PASS



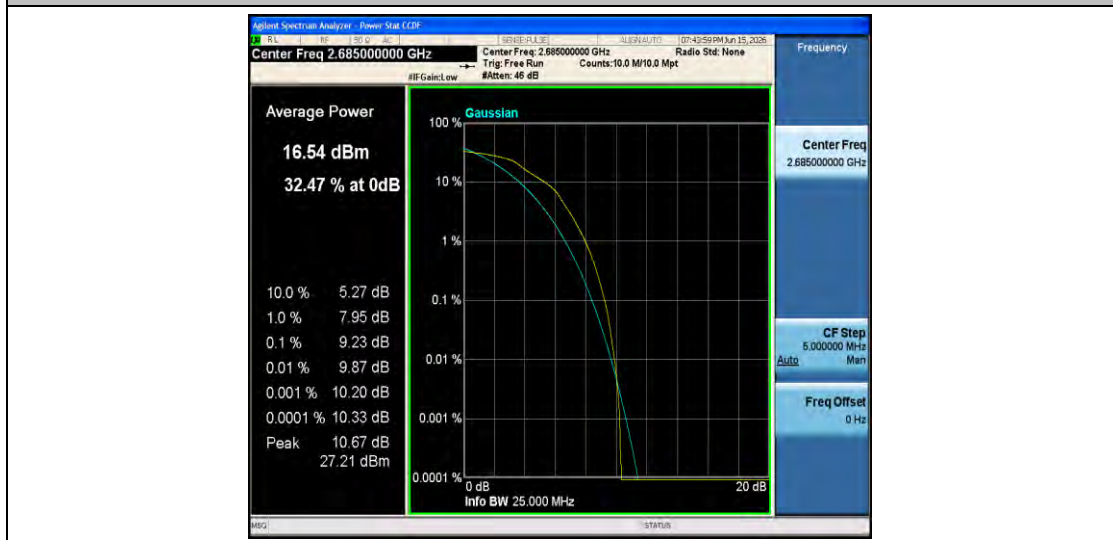
Band41-10MHz-QPSK-41540-1RB#0-PASS



Band41-10MHz-16QAM-41540-1RB#0-PASS



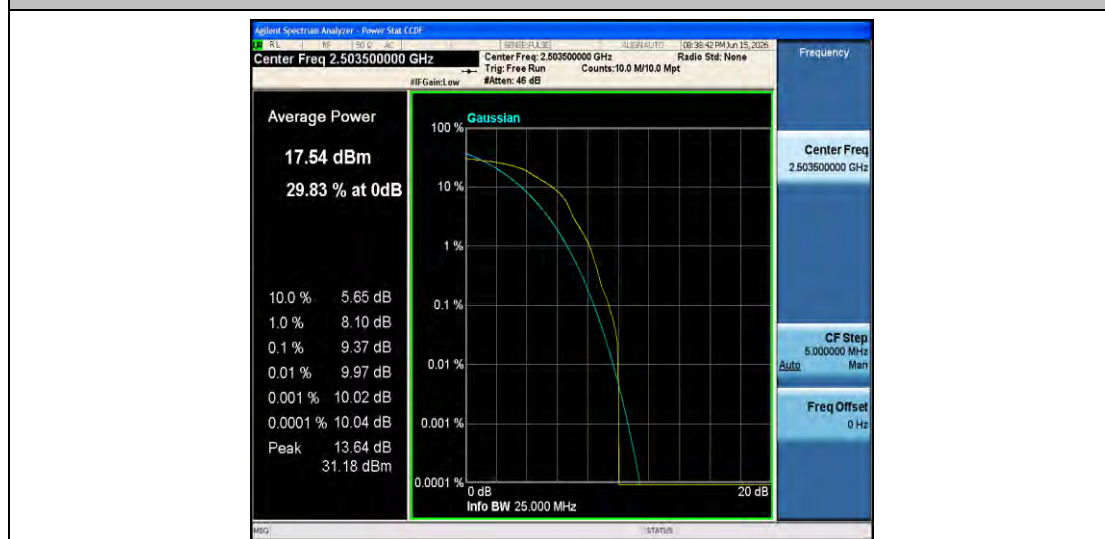
Band41-10MHz-QPSK-41540-50RB#0-PASS



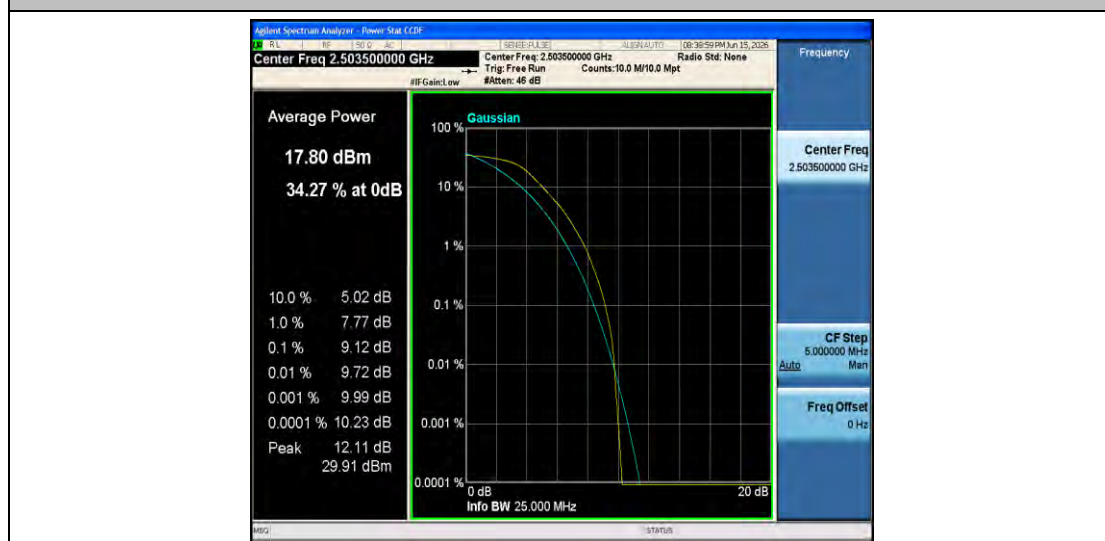
Band41-10MHz-16QAM-41540-50RB#0-PASS



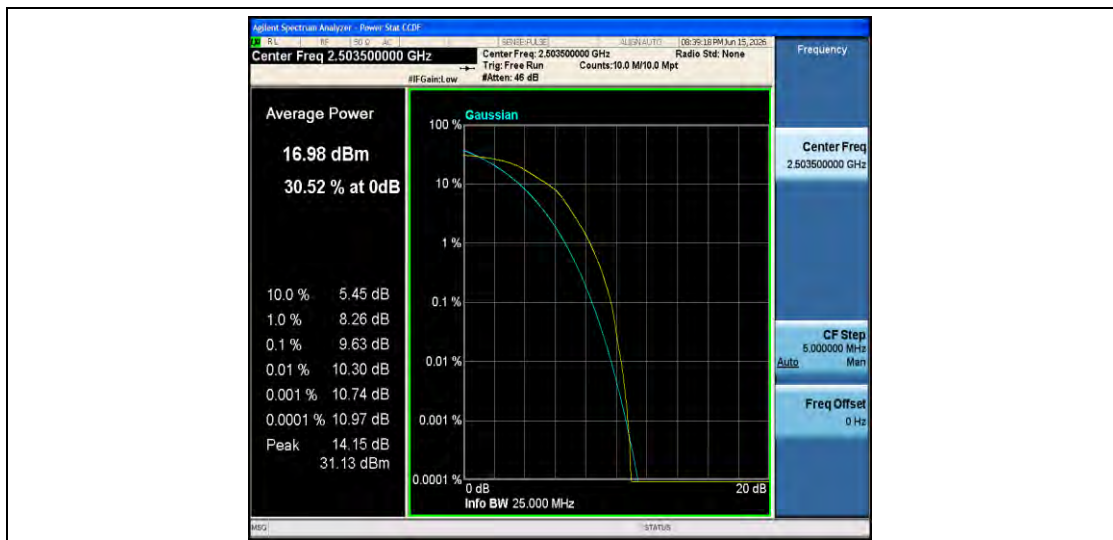
Band41-15MHz-QPSK-39725-1RB#0-PASS



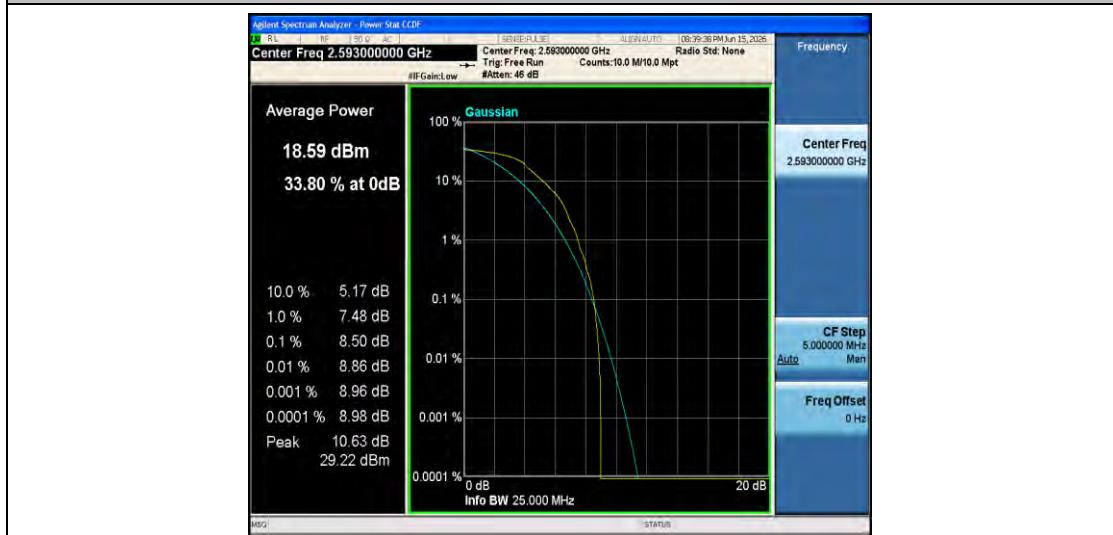
Band41-15MHz-16QAM-39725-1RB#0-PASS



Band41-15MHz-QPSK-39725-75RB#0-PASS



Band41-15MHz-16QAM-39725-75RB#0-PASS



Band41-15MHz-QPSK-40620-1RB#0-PASS



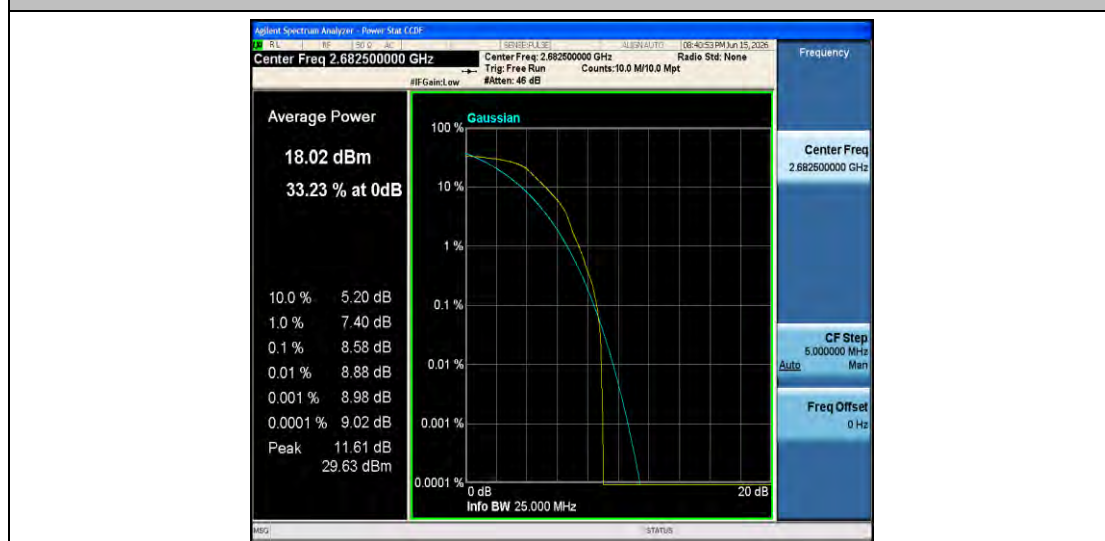
Band41-15MHz-16QAM-40620-1RB#0-PASS



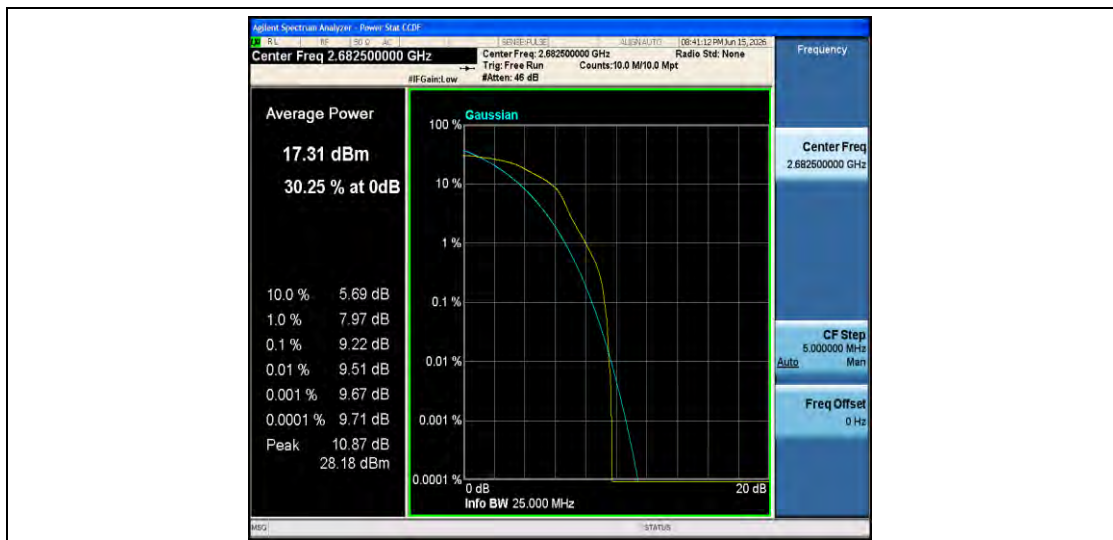
Band41-15MHz-QPSK-40620-75RB#0-PASS



Band41-15MHz-16QAM-40620-75RB#0-PASS



Band41-15MHz-QPSK-41515-1RB#0-PASS



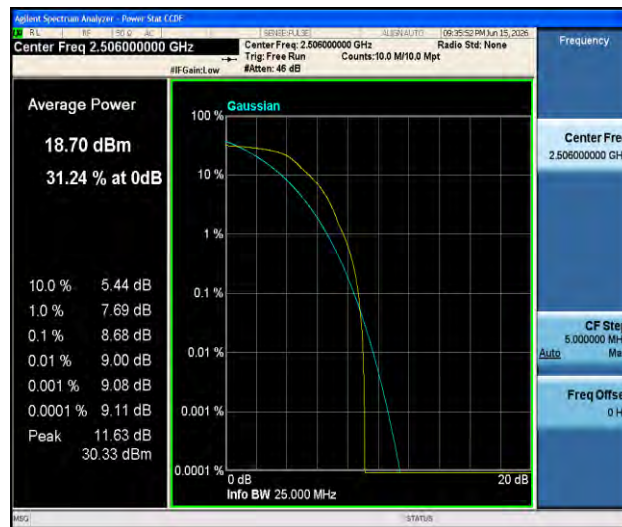
Band41-15MHz-16QAM-41515-1RB#0-PASS



Band41-15MHz-QPSK-41515-75RB#0-PASS



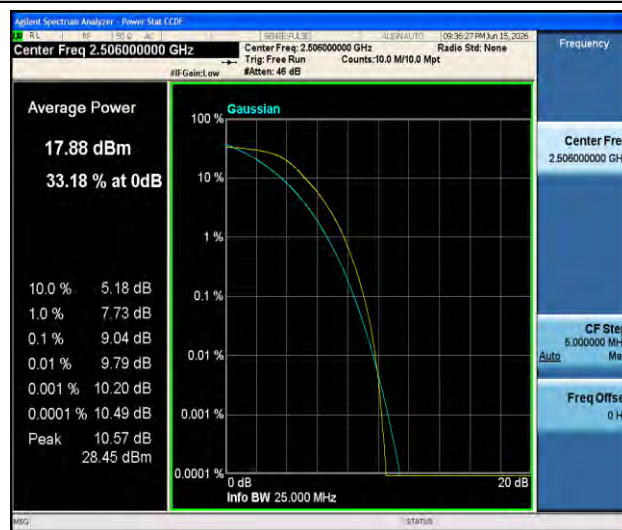
Band41-15MHz-16QAM-41515-75RB#0-PASS



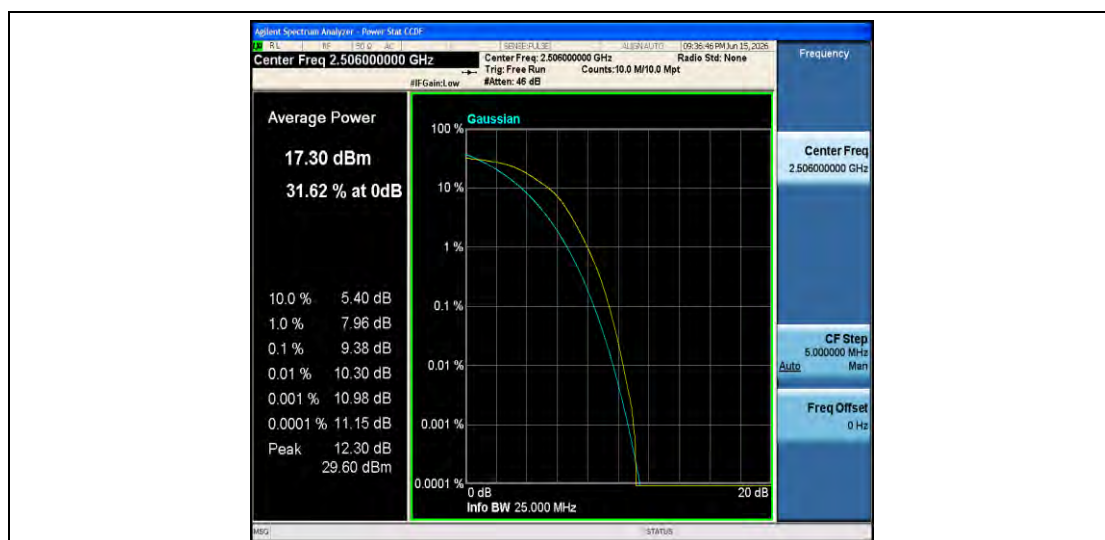
Band41-20MHz-QPSK-39750-1RB#0-PASS



Band41-20MHz-16QAM-39750-1RB#0-PASS



Band41-20MHz-QPSK-39750-100RB#0-PASS



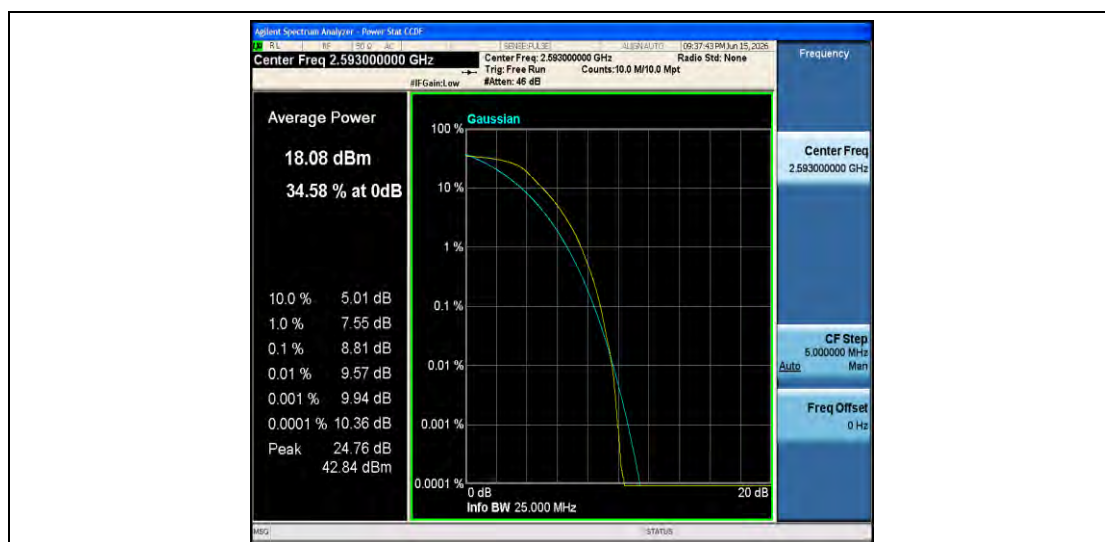
Band41-20MHz-16QAM-39750-100RB#0-PASS



Band41-20MHz-QPSK-40620-1RB#0-PASS



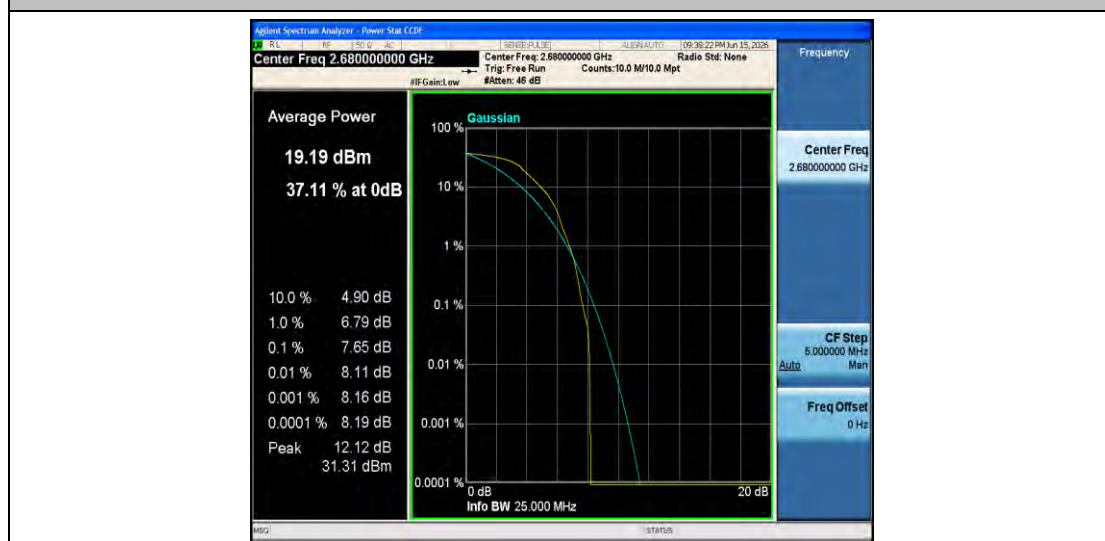
Band41-20MHz-16QAM-40620-1RB#0-PASS



Band41-20MHz-QPSK-40620-100RB#0-PASS



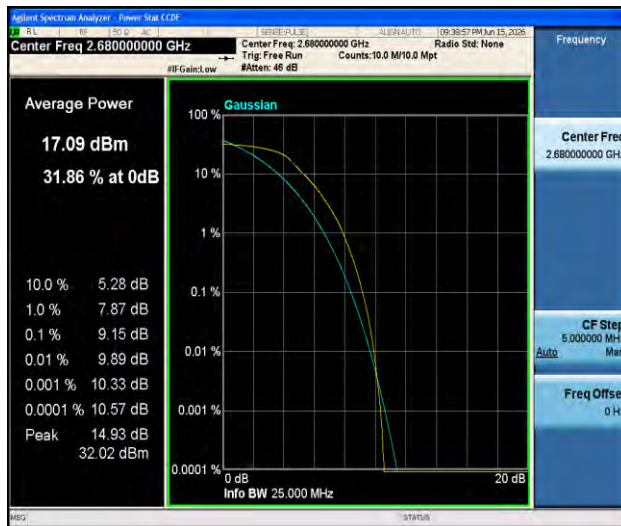
Band41-20MHz-16QAM-40620-100RB#0-PASS



Band41-20MHz-QPSK-41490-1RB#0-PASS



Band41-20MHz-16QAM-41490-1RB#0-PASS



Band41-20MHz-QPSK-41490-100RB#0-PASS



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

Appendix C: 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	4.5076	5.122	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.4999	5.031	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.4989	5.194	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.4934	4.965	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.5035	4.947	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.4939	4.980	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9946	9.867	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9815	9.792	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9797	9.809	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.9851	10.07	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.9603	10.01	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.9545	9.926	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.484	14.89	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.468	14.90	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.424	15.17	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.477	14.71	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.440	14.87	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.490	15.10	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.976	20.22	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.948	19.94	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.941	19.86	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.922	19.84	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.939	19.40	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.966	19.78	PASS

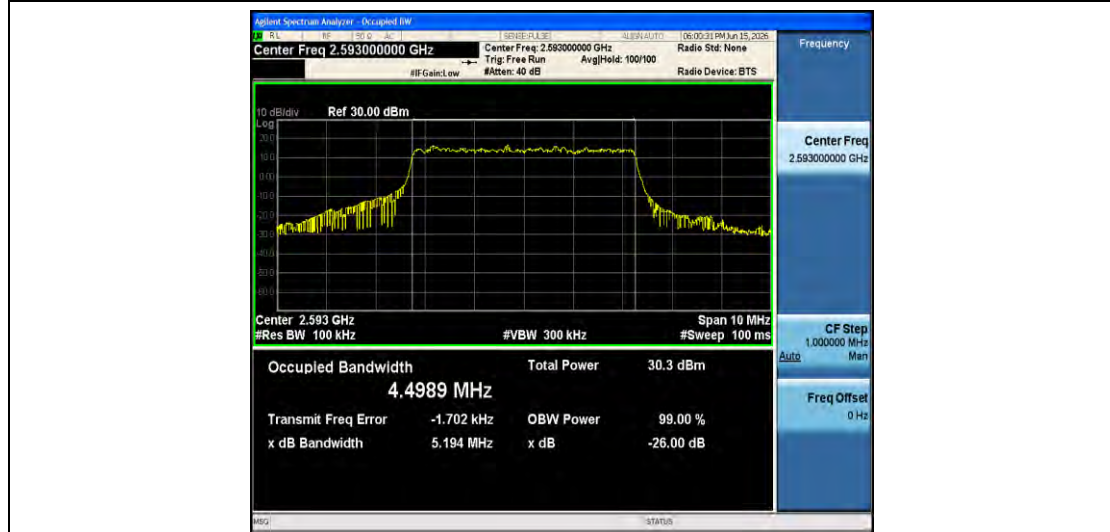
Test Graphs



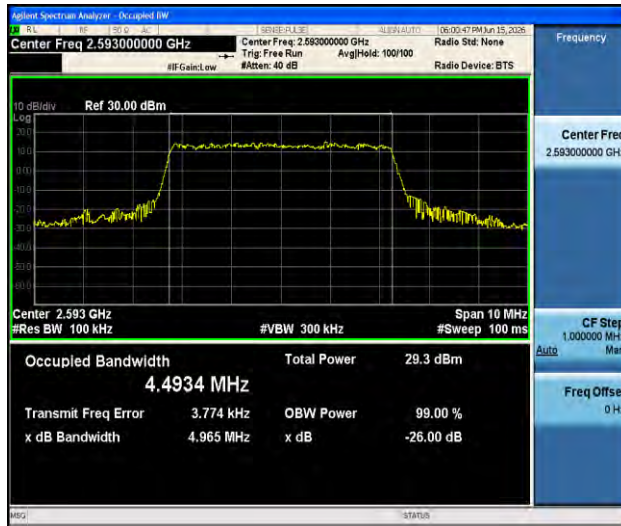
Band41-5MHz-QPSK-39675-25RB#0-PASS



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



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



Band41-5MHz-16QAM-40620-25RB#0-PASS



Band41-5MHz-QPSK-41565-25RB#0-PASS



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



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



Band41-10MHz-16QAM-39700-50RB#0-PASS



Band41-10MHz-QPSK-40620-50RB#0-PASS



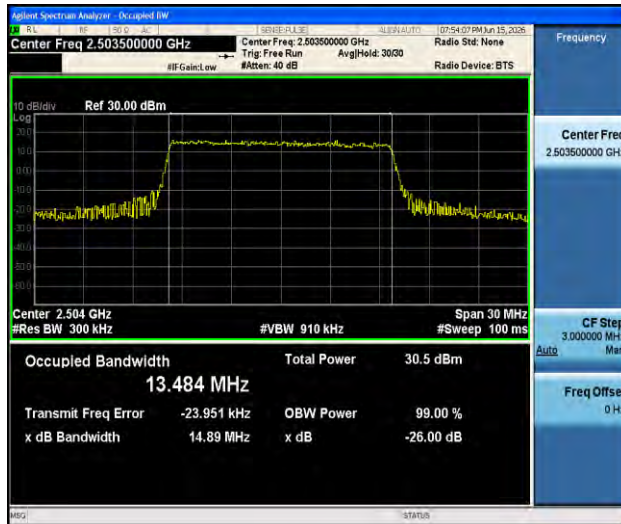
Band41-10MHz-16QAM-40620-50RB#0-PASS



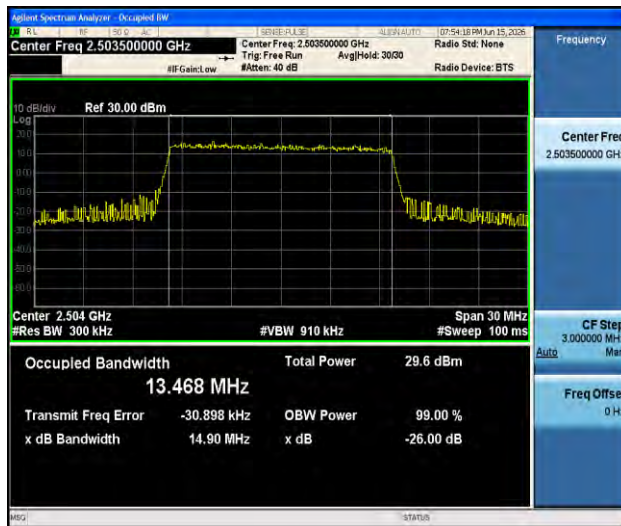
Band41-10MHz-QPSK-41540-50RB#0-PASS



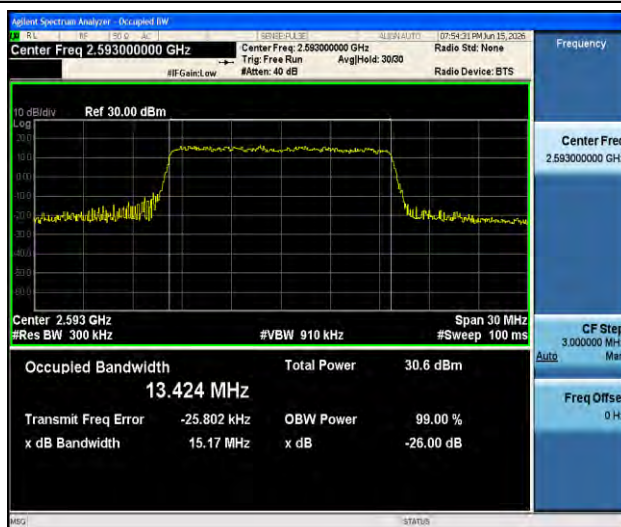
Band41-10MHz-16QAM-41540-50RB#0-PASS



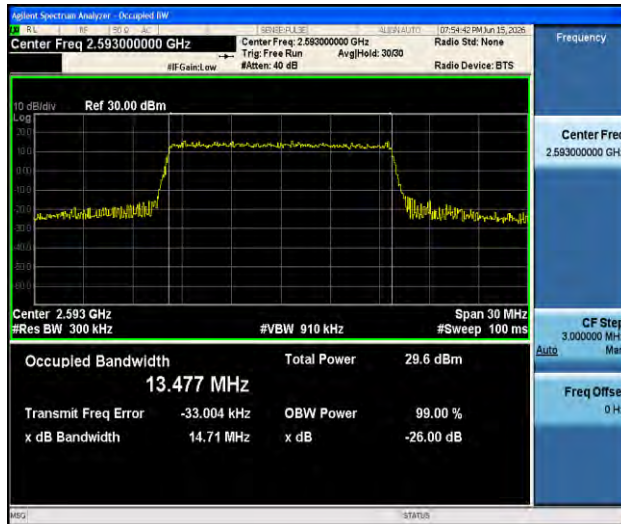
Band41-15MHz-QPSK-39725-75RB#0-PASS



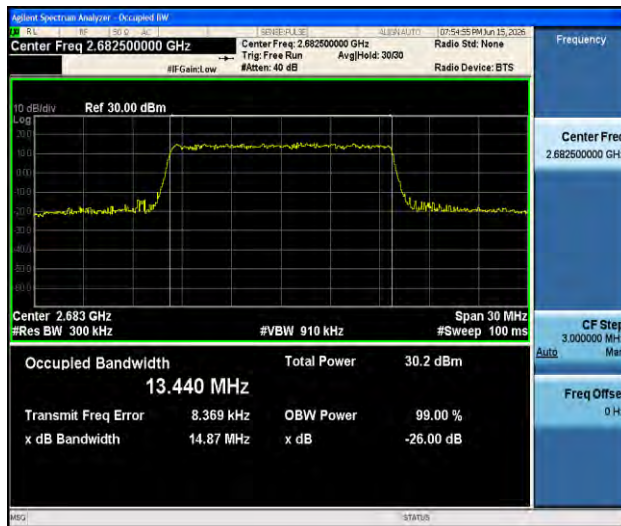
Band41-15MHz-16QAM-39725-75RB#0-PASS



Band41-15MHz-QPSK-40620-75RB#0-PASS



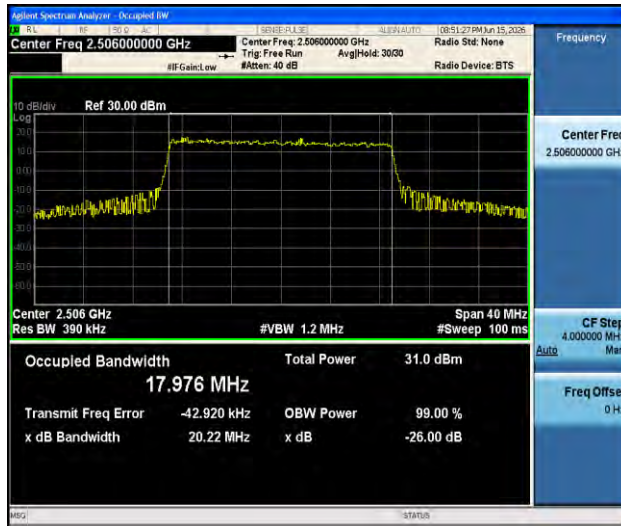
Band41-15MHz-16QAM-40620-75RB#0-PASS



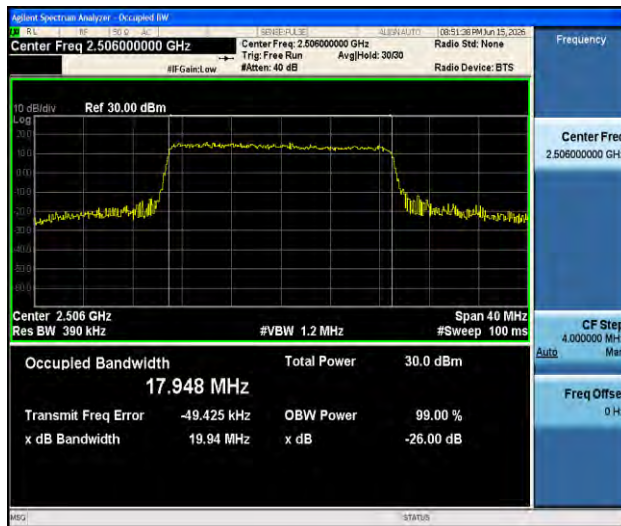
Band41-15MHz-QPSK-41515-75RB#0-PASS



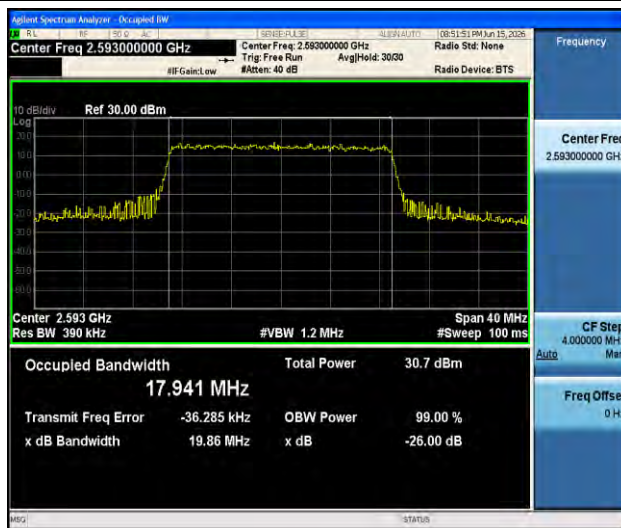
Band41-15MHz-16QAM-41515-75RB#0-PASS



Band41-20MHz-QPSK-39750-100RB#0-PASS



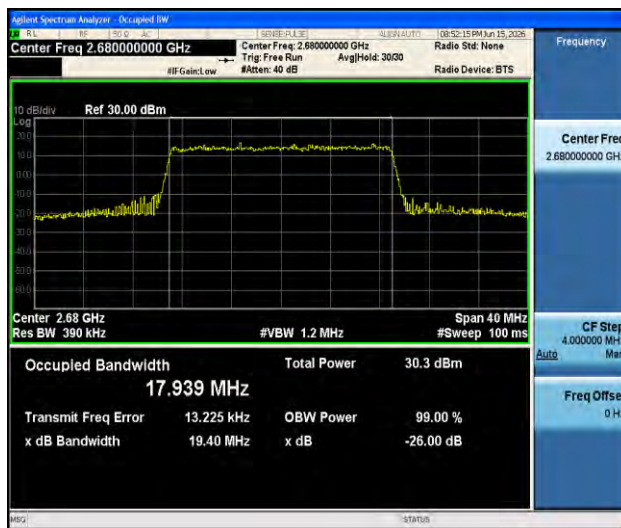
Band41-20MHz-16QAM-39750-100RB#0-PASS



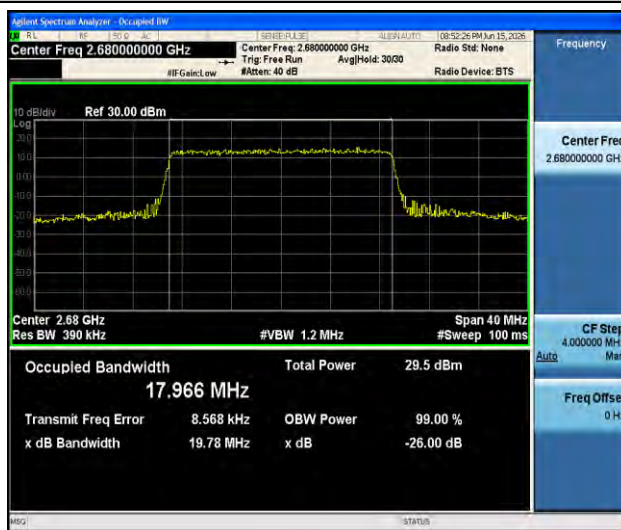
Band41-20MHz-QPSK-40620-100RB#0-PASS



Band41-20MHz-16QAM-40620-100RB#0-PASS



Band41-20MHz-QPSK-41490-100RB#0-PASS



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

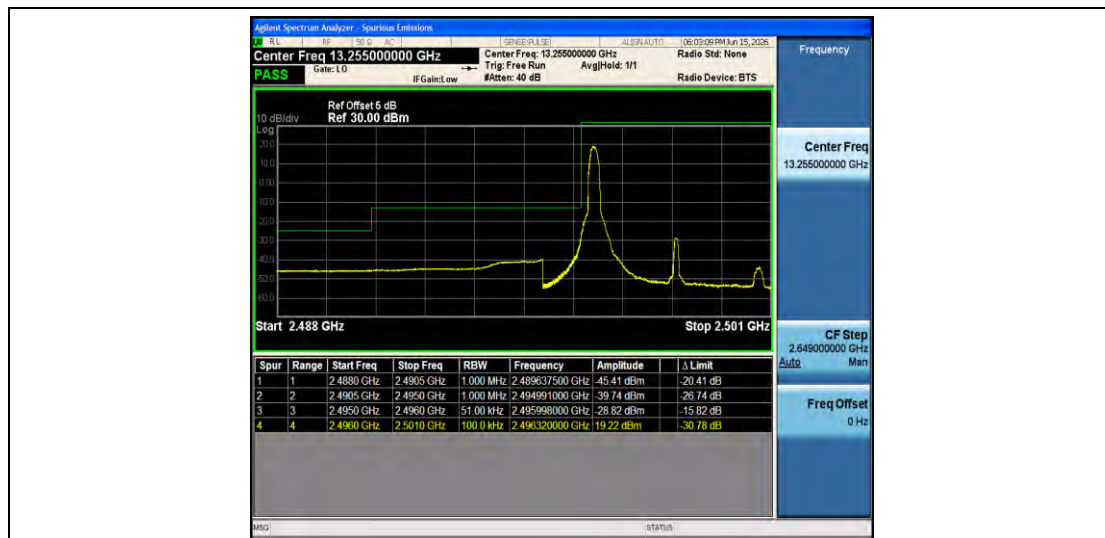
Appendix D: Band Edge

Test Result

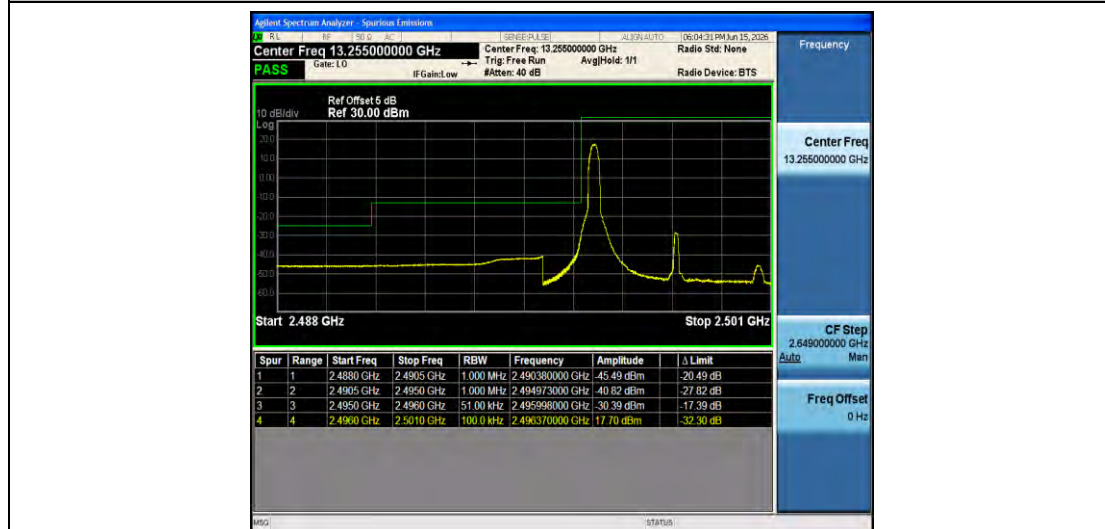
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	-28.82	PASS
Band41	5MHz	16QAM	39675	1RB#0	-30.39	PASS
Band41	5MHz	QPSK	39675	1RB#24	-45.62	PASS
Band41	5MHz	16QAM	39675	1RB#24	-45.70	PASS
Band41	5MHz	QPSK	39675	25RB#0	-38.24	PASS
Band41	5MHz	16QAM	39675	25RB#0	-38.56	PASS
Band41	5MHz	QPSK	41565	1RB#0	-44.71	PASS
Band41	5MHz	16QAM	41565	1RB#0	-44.75	PASS
Band41	5MHz	QPSK	41565	1RB#24	-27.72	PASS
Band41	5MHz	16QAM	41565	1RB#24	-28.08	PASS
Band41	5MHz	QPSK	41565	25RB#0	-36.73	PASS
Band41	5MHz	16QAM	41565	25RB#0	-37.90	PASS
Band41	10MHz	QPSK	39700	1RB#0	-45.24	PASS
Band41	10MHz	16QAM	39700	1RB#0	-45.35	PASS
Band41	10MHz	QPSK	39700	1RB#49	-43.44	PASS
Band41	10MHz	16QAM	39700	1RB#49	-44.01	PASS
Band41	10MHz	QPSK	39700	50RB#0	-31.39	PASS
Band41	10MHz	16QAM	39700	50RB#0	-31.91	PASS
Band41	10MHz	QPSK	41540	1RB#0	-42.51	PASS
Band41	10MHz	16QAM	41540	1RB#0	-43.01	PASS
Band41	10MHz	QPSK	41540	1RB#49	-44.61	PASS
Band41	10MHz	16QAM	41540	1RB#49	-44.68	PASS
Band41	10MHz	QPSK	41540	50RB#0	-37.99	PASS
Band41	10MHz	16QAM	41540	50RB#0	-38.02	PASS
Band41	15MHz	QPSK	39725	1RB#0	-40.28	PASS
Band41	15MHz	16QAM	39725	1RB#0	-41.74	PASS
Band41	15MHz	QPSK	39725	1RB#74	-44.22	PASS
Band41	15MHz	16QAM	39725	1RB#74	-44.59	PASS
Band41	15MHz	QPSK	39725	75RB#0	-30.50	PASS
Band41	15MHz	16QAM	39725	75RB#0	-31.28	PASS
Band41	15MHz	QPSK	41515	1RB#0	-44.76	PASS
Band41	15MHz	16QAM	41515	1RB#0	-44.78	PASS
Band41	15MHz	QPSK	41515	1RB#74	-42.84	PASS
Band41	15MHz	16QAM	41515	1RB#74	-43.10	PASS
Band41	15MHz	QPSK	41515	75RB#0	-25.95	PASS
Band41	15MHz	16QAM	41515	75RB#0	-37.72	PASS
Band41	20MHz	QPSK	39750	1RB#0	-43.12	PASS
Band41	20MHz	16QAM	39750	1RB#0	-43.78	PASS

Band41	20MHz	QPSK	39750	1RB#99	-45.58	PASS
Band41	20MHz	16QAM	39750	1RB#99	-45.60	PASS
Band41	20MHz	QPSK	39750	100RB#0	-30.78	PASS
Band41	20MHz	16QAM	39750	100RB#0	-32.51	PASS
Band41	20MHz	QPSK	41490	1RB#0	-44.81	PASS
Band41	20MHz	16QAM	41490	1RB#0	-44.86	PASS
Band41	20MHz	QPSK	41490	1RB#99	-44.78	PASS
Band41	20MHz	16QAM	41490	1RB#99	-44.82	PASS
Band41	20MHz	QPSK	41490	100RB#0	-39.76	PASS
Band41	20MHz	16QAM	41490	100RB#0	-39.28	PASS

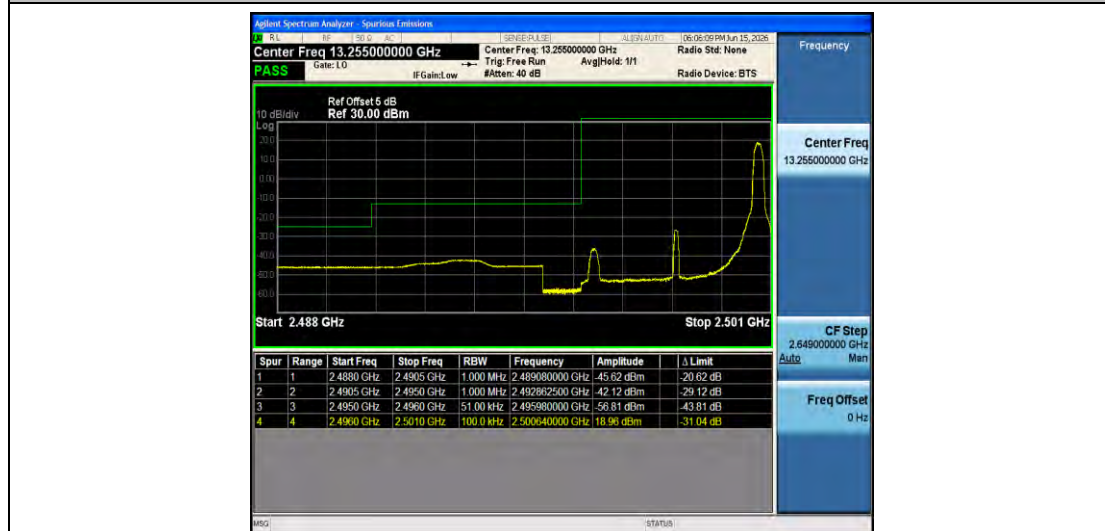
Test Graphs



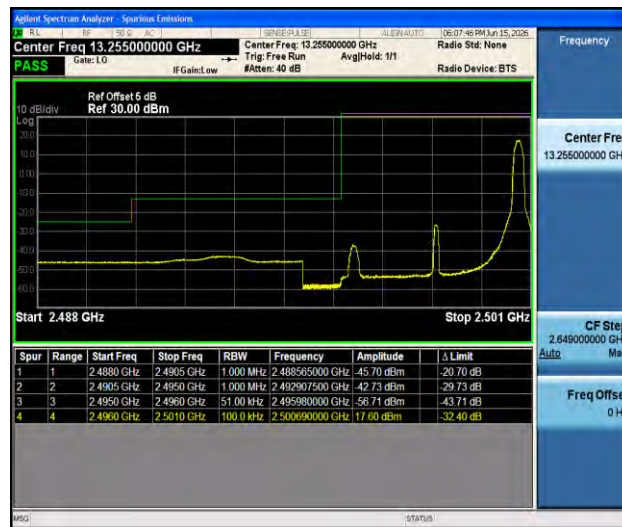
Band41-5MHz-QPSK-39675-1RB#0-PASS



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



Band41-5MHz-QPSK-39675-1RB#24-PASS



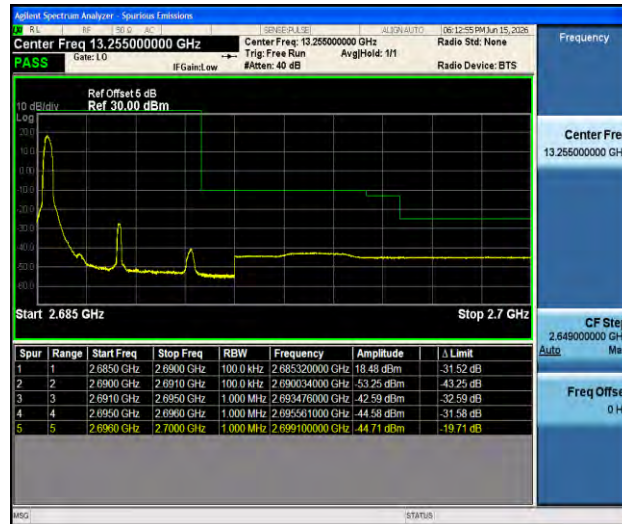
Band41-5MHz-16QAM-39675-1RB#24-PASS



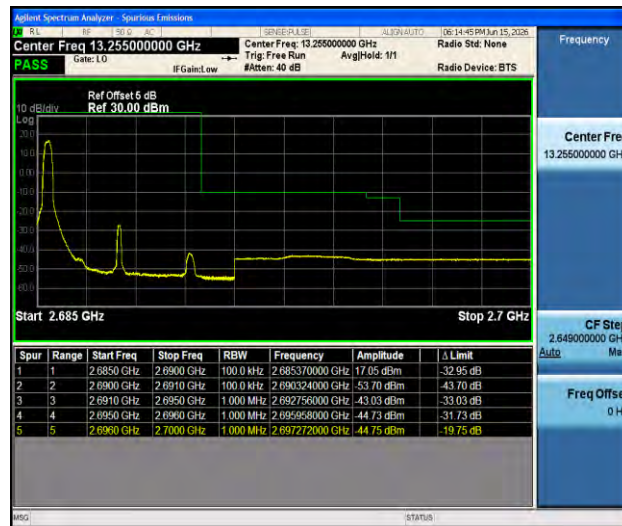
Band41-5MHz-QPSK-39675-25RB#0-PASS



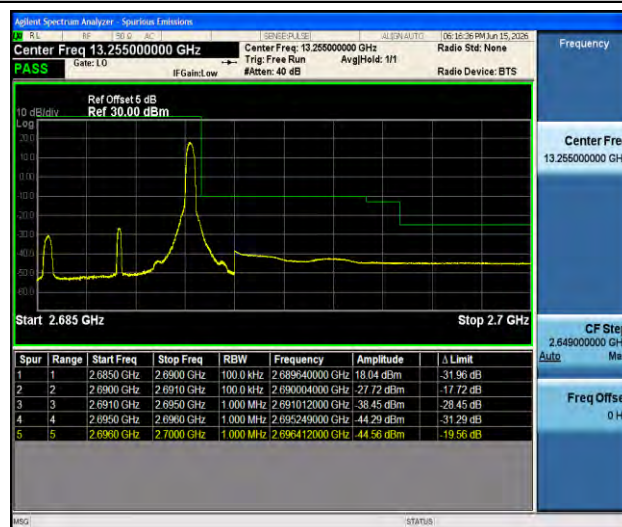
Band41-5MHz-16QAM-39675-25RB#0-PASS



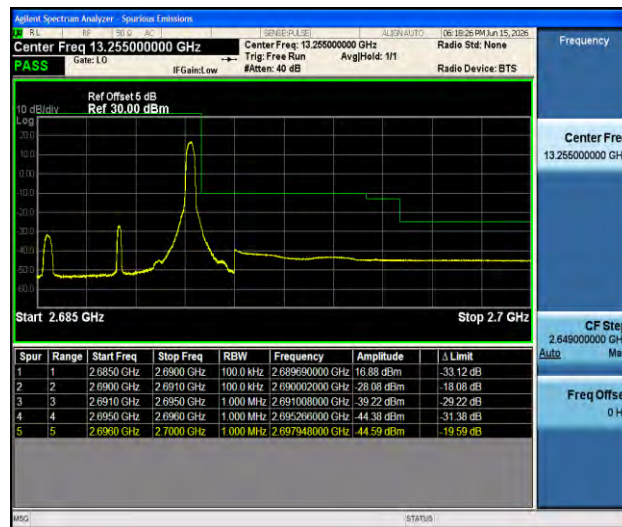
Band41-5MHz-QPSK-41565-1RB#0-PASS



Band41-5MHz-16QAM-41565-1RB#0-PASS



Band41-5MHz-QPSK-41565-1RB#24-PASS



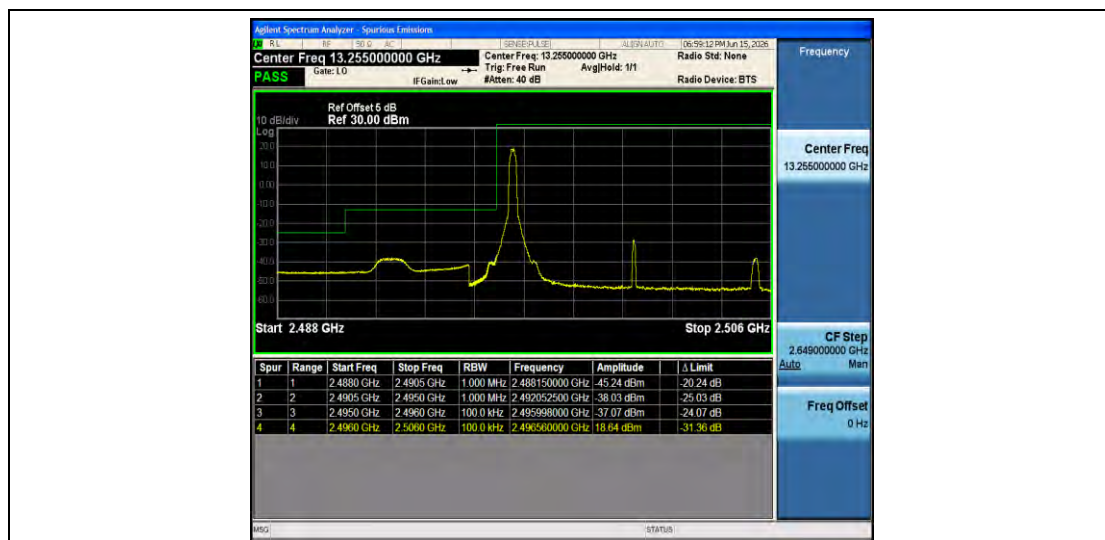
Band41-5MHz-16QAM-41565-1RB#24-PASS



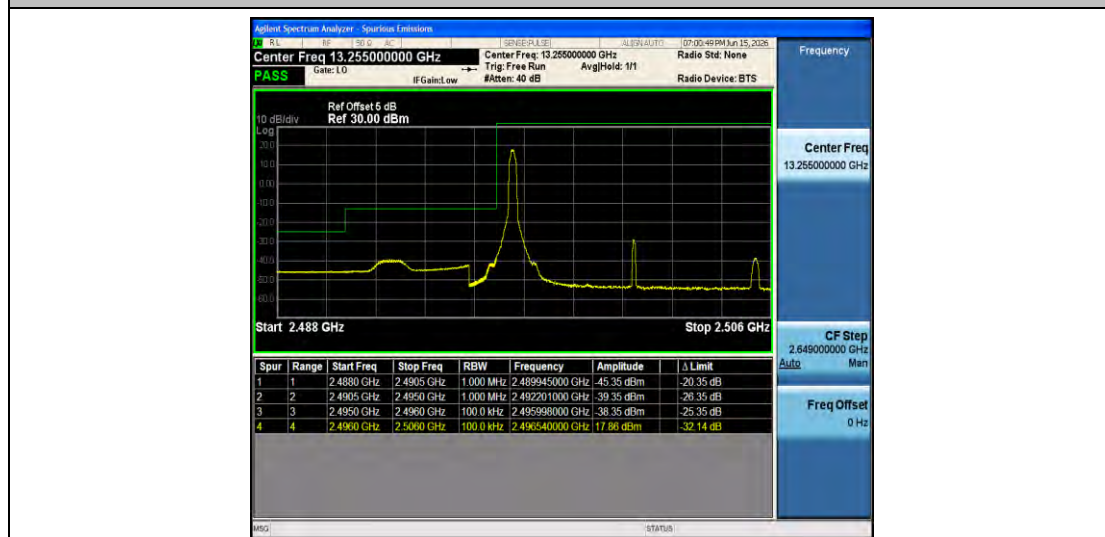
Band41-5MHz-QPSK-41565-25RB#0-PASS



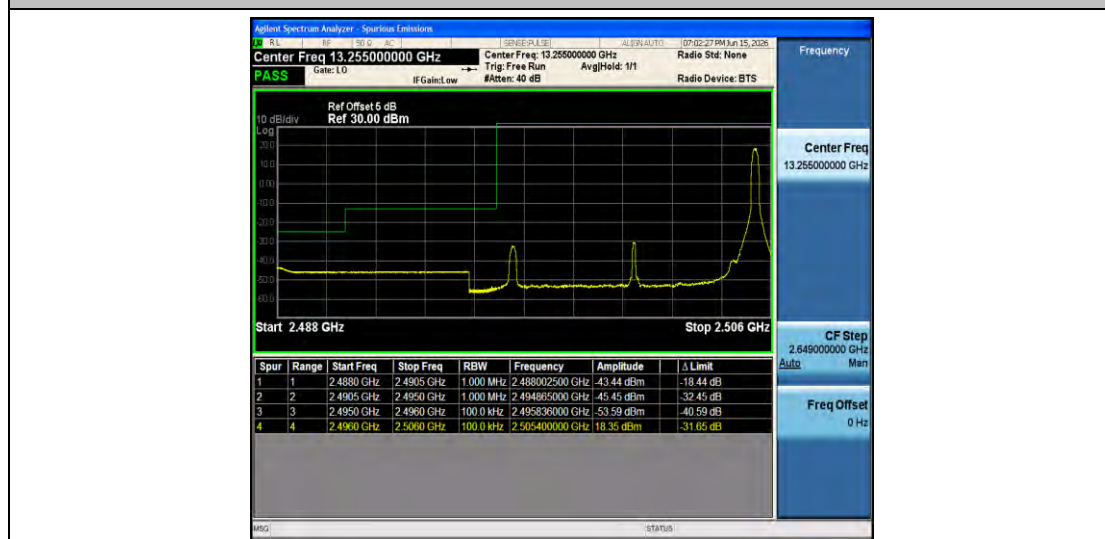
Band41-5MHz-16QAM-41565-25RB#0-PASS



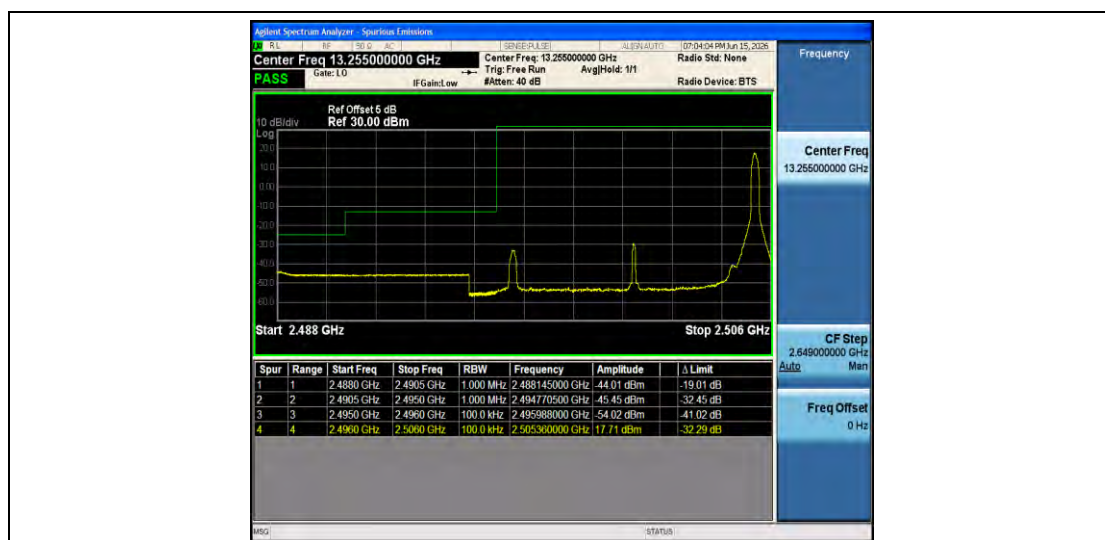
Band41-10MHz-QPSK-39700-1RB#0-PASS



Band41-10MHz-16QAM-39700-1RB#0-PASS



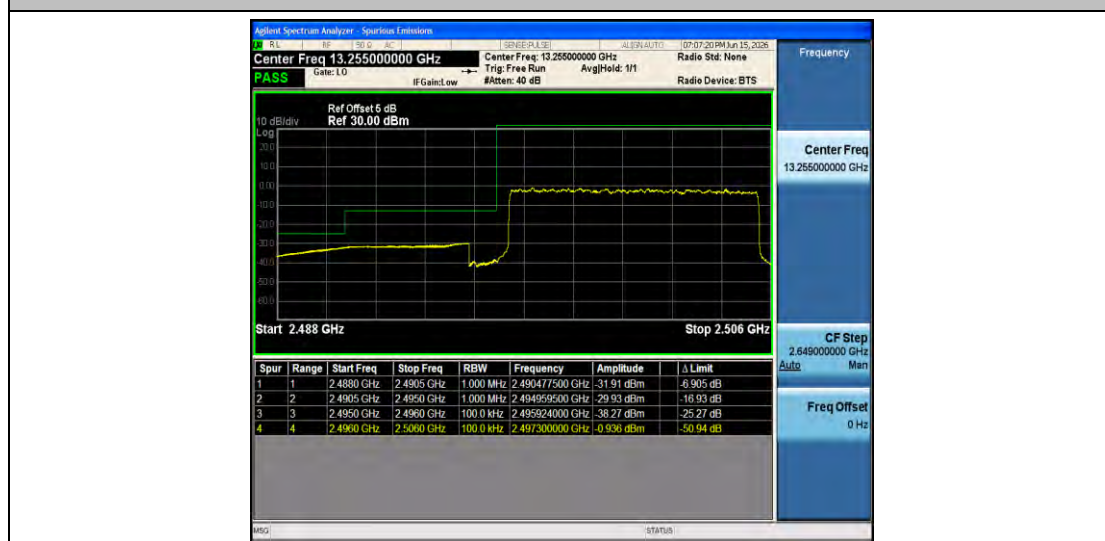
Band41-10MHz-QPSK-39700-1RB#49-PASS



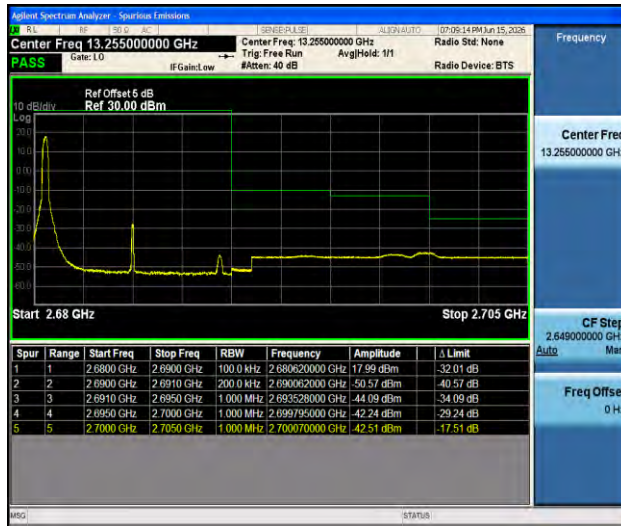
Band41-10MHz-16QAM-39700-1RB#49-PASS



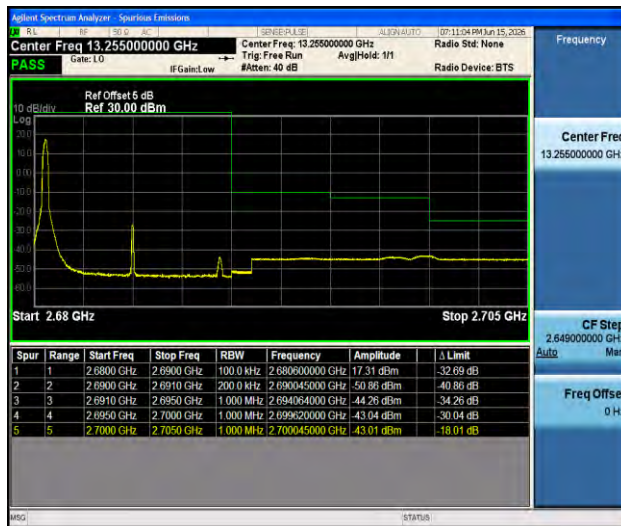
Band41-10MHz-QPSK-39700-50RB#0-PASS



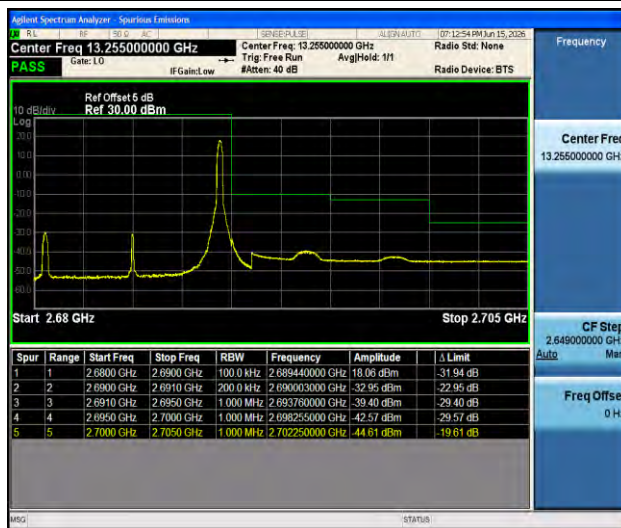
Band41-10MHz-16QAM-39700-50RB#0-PASS



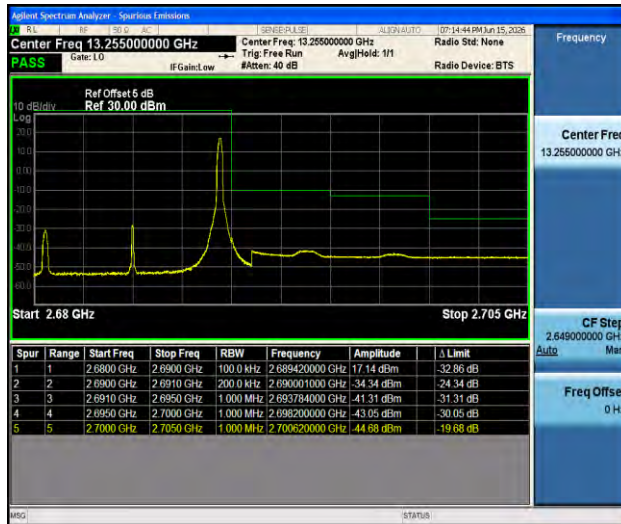
Band41-10MHz-QPSK-41540-1RB#0-PASS



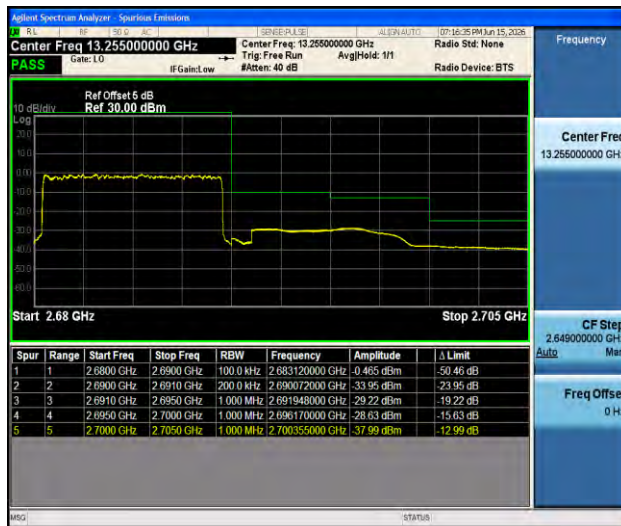
Band41-10MHz-16QAM-41540-1RB#0-PASS



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



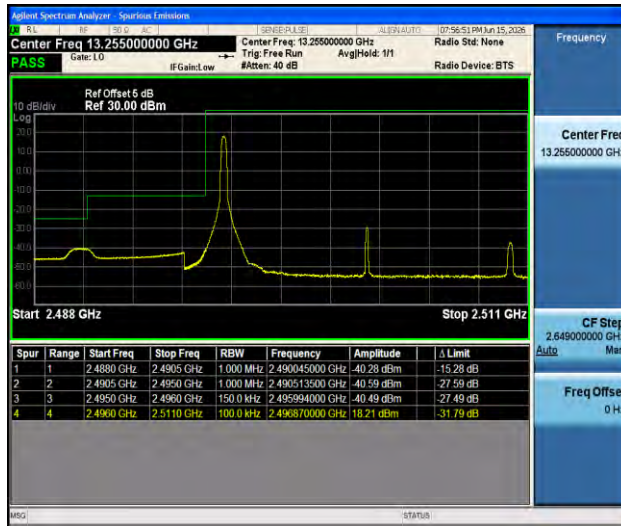
Band41-10MHz-16QAM-41540-1RB#49-PASS



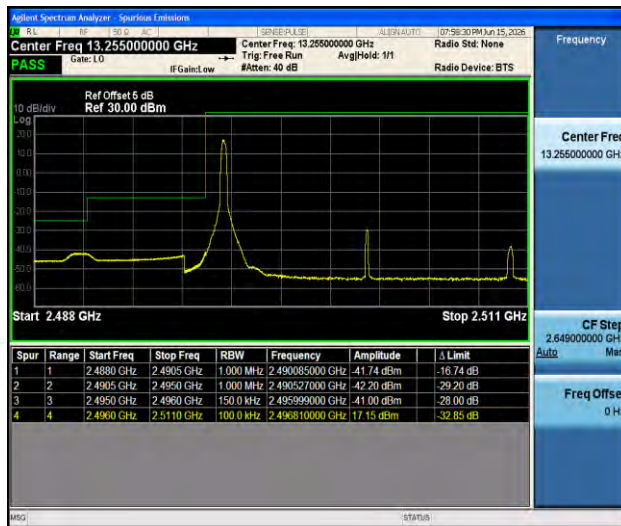
Band41-10MHz-QPSK-41540-50RB#0-PASS



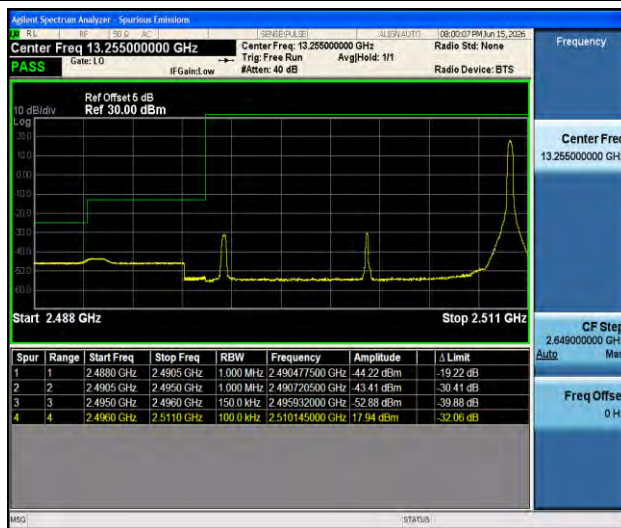
Band41-10MHz-16QAM-41540-50RB#0-PASS



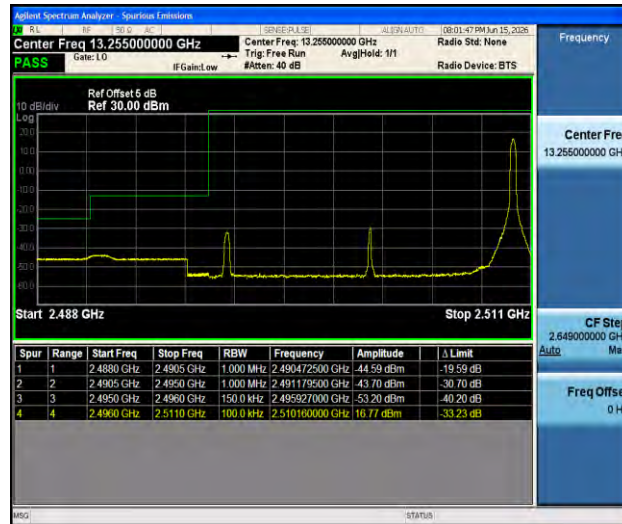
Band41-15MHz-QPSK-39725-1RB#0-PASS



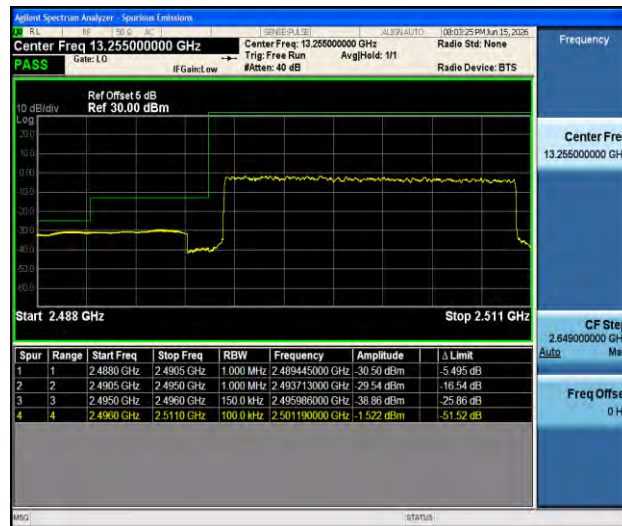
Band41-15MHz-16QAM-39725-1RB#0-PASS



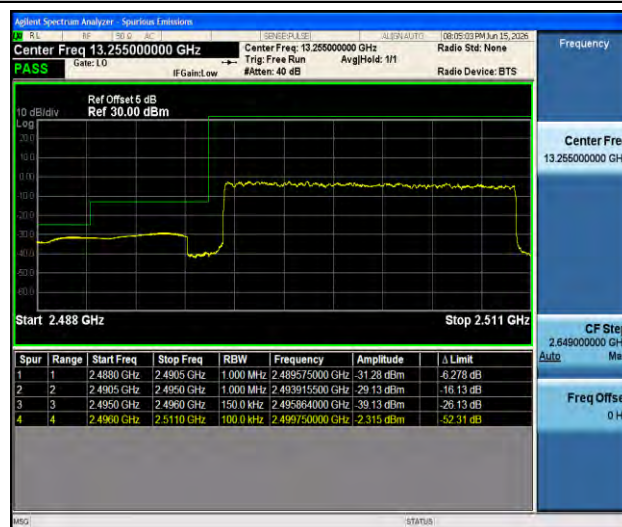
Band41-15MHz-QPSK-39725-1RB#74-PASS



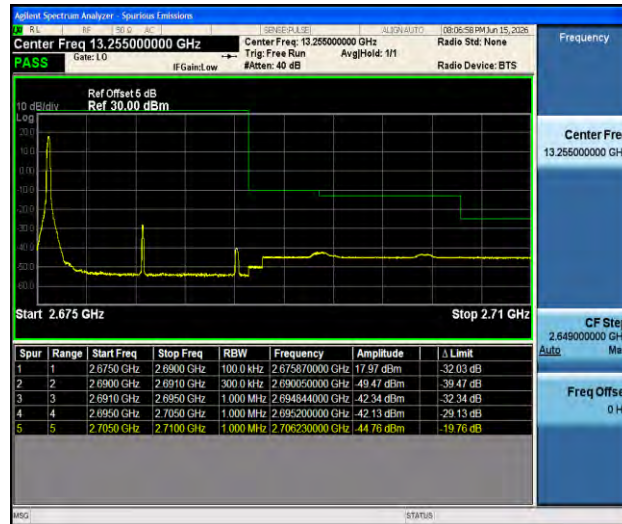
Band41-15MHz-16QAM-39725-1RB#74-PASS



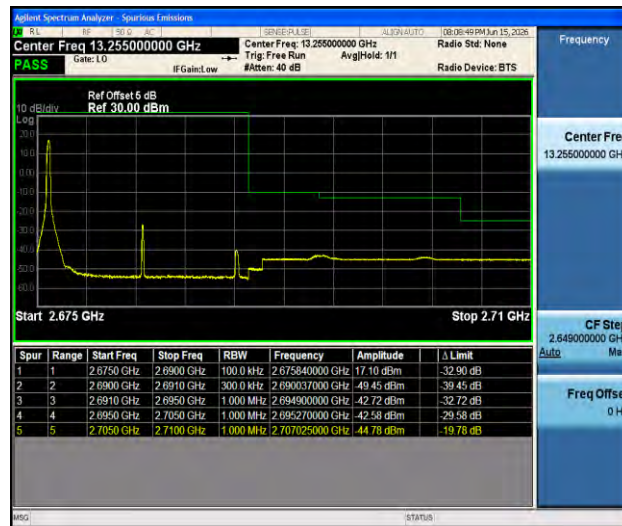
Band41-15MHz-QPSK-39725-75RB#0-PASS



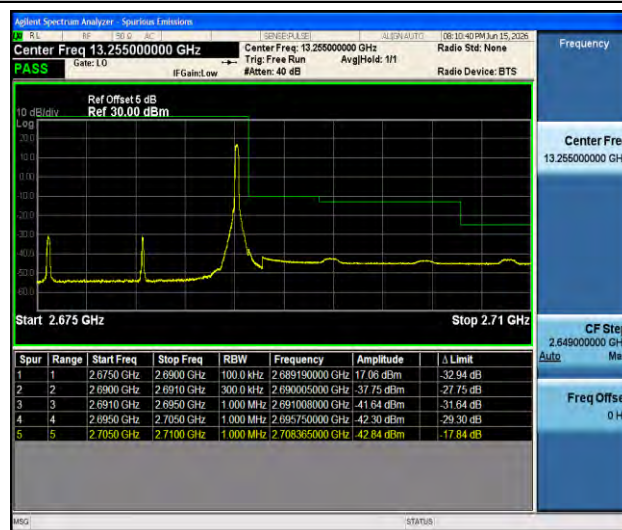
Band41-15MHz-16QAM-39725-75RB#0-PASS



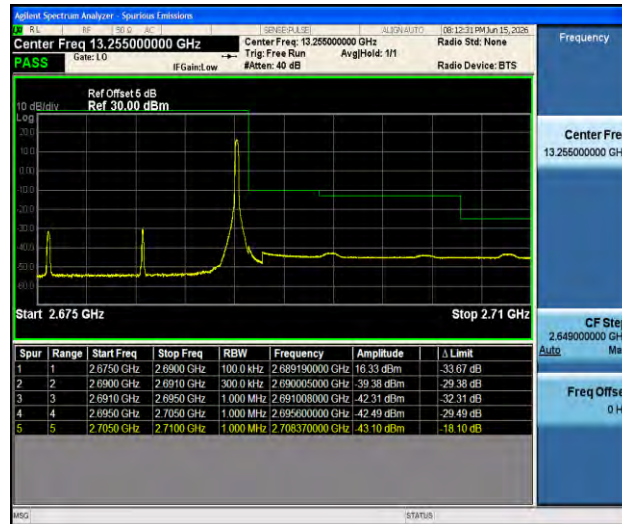
Band41-15MHz-QPSK-41515-1RB#0-PASS



Band41-15MHz-16QAM-41515-1RB#0-PASS



Band41-15MHz-QPSK-41515-1RB#74-PASS



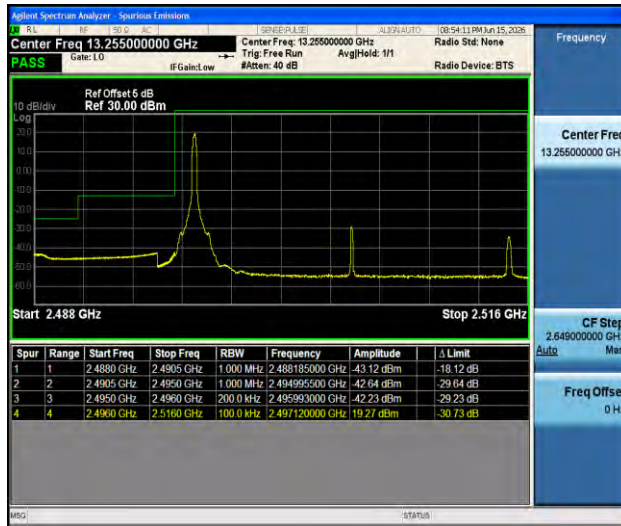
Band41-15MHz-16QAM-41515-1RB#74-PASS



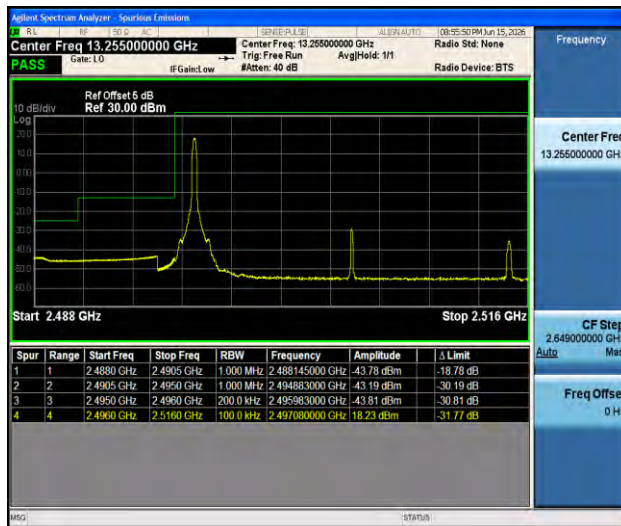
Band41-15MHz-QPSK-41515-75RB#0-PASS



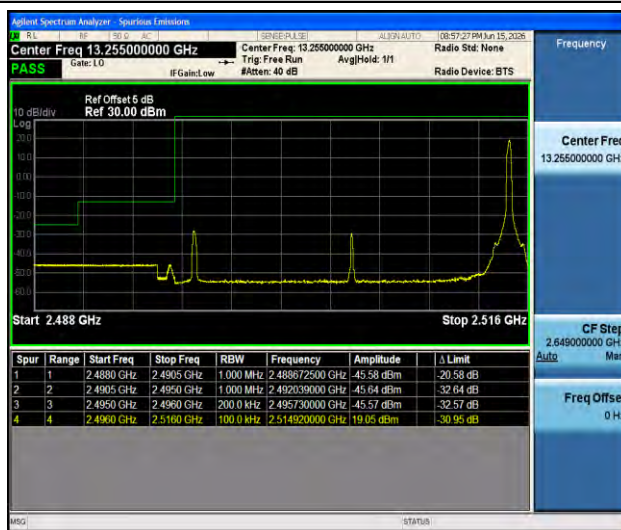
Band41-15MHz-16QAM-41515-75RB#0-PASS



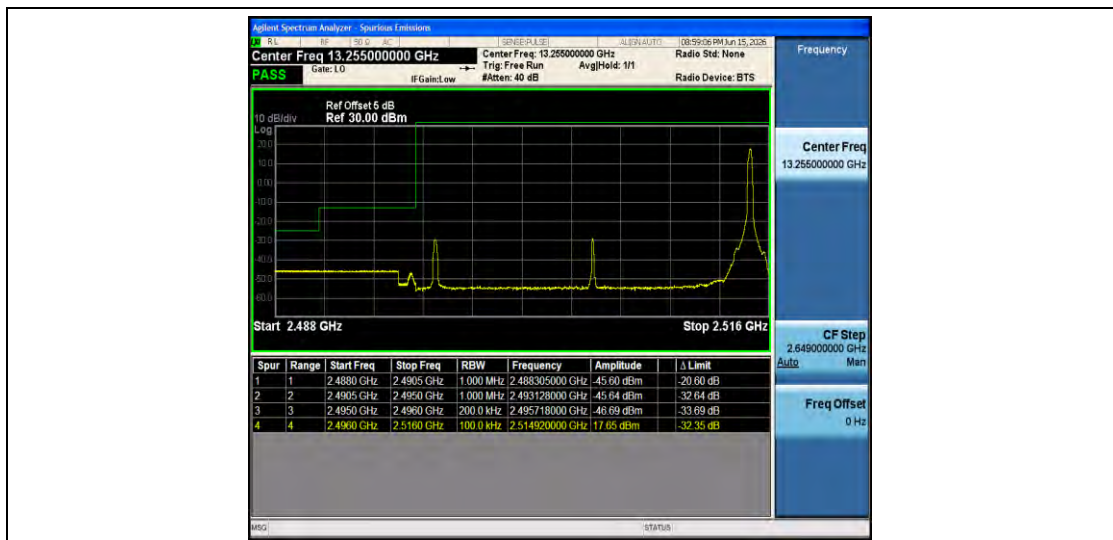
Band41-20MHz-QPSK-39750-1RB#0-PASS



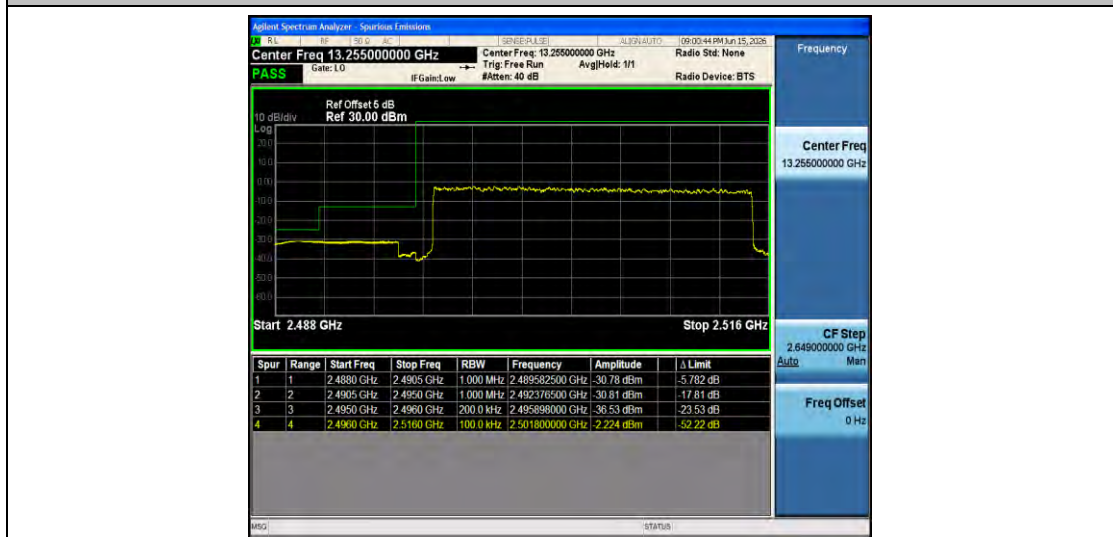
Band41-20MHz-16QAM-39750-1RB#0-PASS



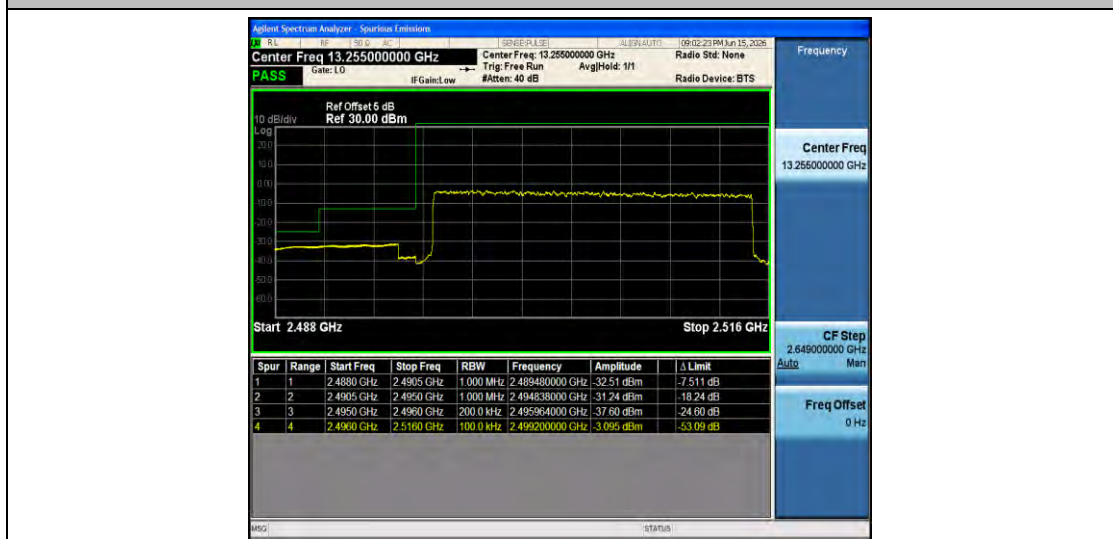
Band41-20MHz-QPSK-39750-1RB#99-PASS



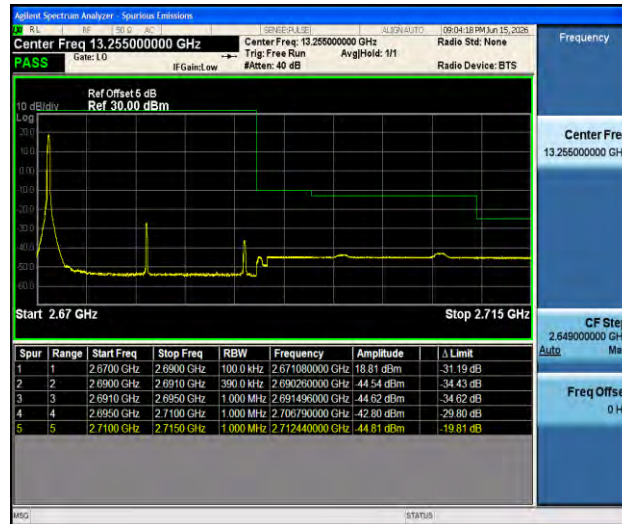
Band41-20MHz-16QAM-39750-1RB#99-PASS



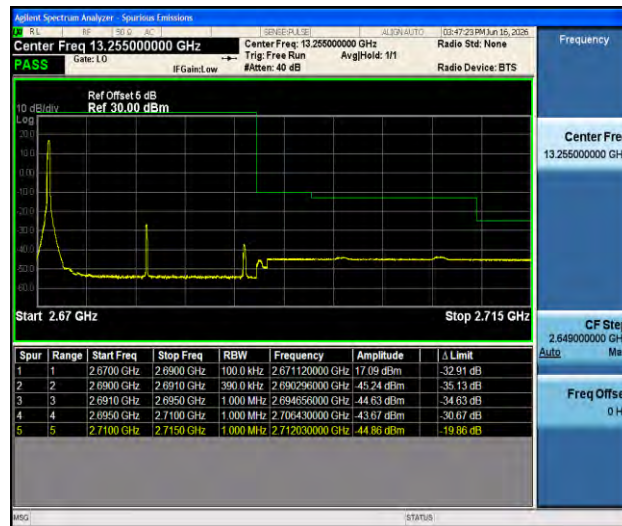
Band41-20MHz-QPSK-39750-100RB#0-PASS



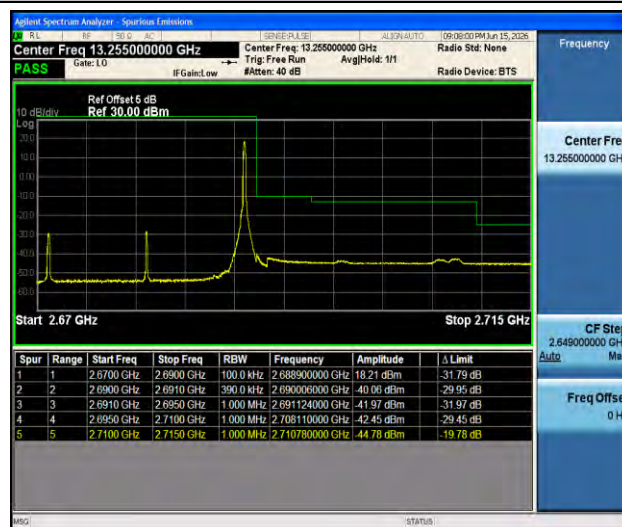
Band41-20MHz-16QAM-39750-100RB#0-PASS



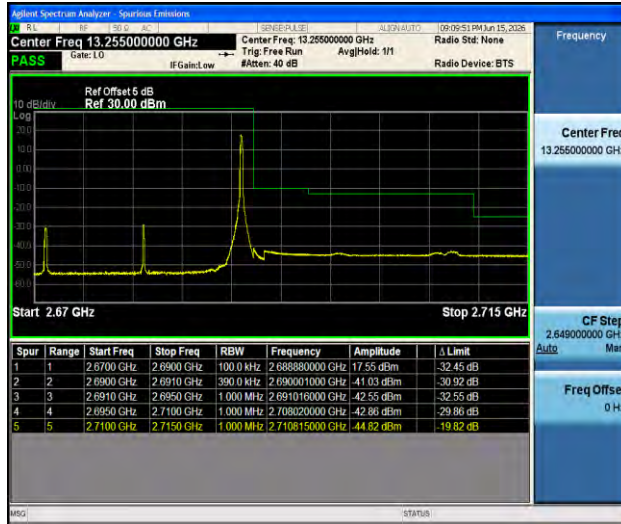
Band41-20MHz-QPSK-41490-1RB#0-PASS



Band41-20MHz-16QAM-41490-1RB#0-PASS



Band41-20MHz-QPSK-41490-1RB#99-PASS



Band41-20MHz-16QAM-41490-1RB#99-PASS



Band41-20MHz-QPSK-41490-100RB#0-PASS



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

Appendix E: Conducted Spurious Emission

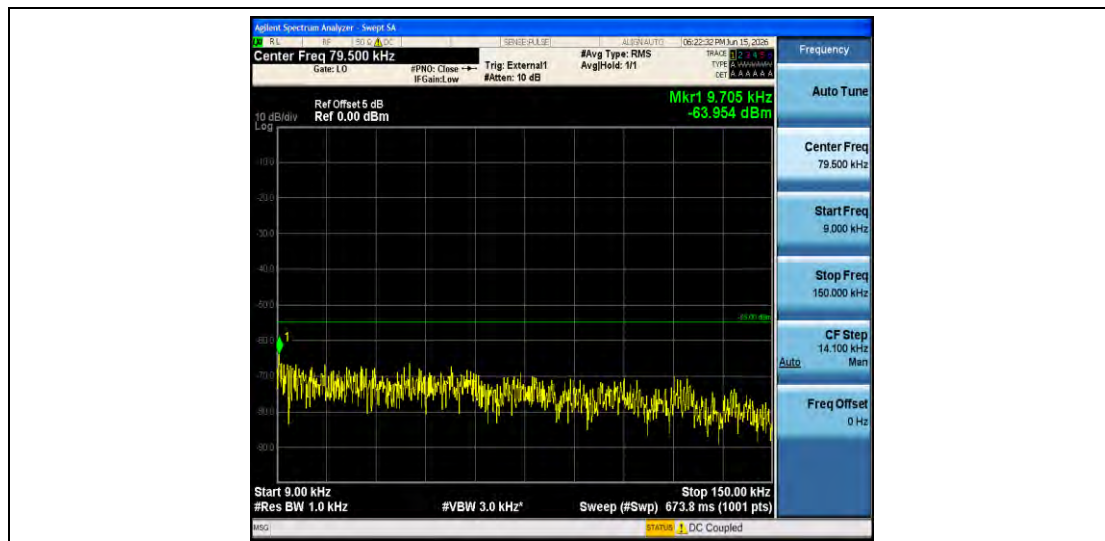
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	0.009~0.15	-63.95	PASS
Band41	5MHz	QPSK	39675	1RB#0	0.15~30	-65.18	PASS
Band41	5MHz	QPSK	39675	1RB#0	30~1000	-64.00	PASS
Band41	5MHz	QPSK	39675	1RB#0	1000~20000	-46.35	PASS
Band41	5MHz	QPSK	39675	1RB#0	20000~27000	-38.85	PASS
Band41	5MHz	16QAM	39675	1RB#0	0.009~0.15	-64.42	PASS
Band41	5MHz	16QAM	39675	1RB#0	0.15~30	-64.57	PASS
Band41	5MHz	16QAM	39675	1RB#0	30~1000	-64.14	PASS
Band41	5MHz	16QAM	39675	1RB#0	20000~27000	-38.51	PASS
Band41	5MHz	16QAM	39675	1RB#0	1000~20000	-46.44	PASS
Band41	5MHz	QPSK	40620	1RB#0	0.009~0.15	-64.25	PASS
Band41	5MHz	QPSK	40620	1RB#0	0.15~30	-56.97	PASS
Band41	5MHz	QPSK	40620	1RB#0	30~1000	-63.97	PASS
Band41	5MHz	QPSK	40620	1RB#0	20000~27000	-38.41	PASS
Band41	5MHz	16QAM	40620	1RB#0	0.009~0.15	-63.61	PASS
Band41	5MHz	16QAM	40620	1RB#0	0.15~30	-58.46	PASS
Band41	5MHz	16QAM	40620	1RB#0	30~1000	-64.06	PASS
Band41	5MHz	16QAM	40620	1RB#0	20000~27000	-38.82	PASS
Band41	5MHz	QPSK	41565	1RB#0	0.009~0.15	-63.91	PASS
Band41	5MHz	QPSK	41565	1RB#0	0.15~30	-65.13	PASS
Band41	5MHz	QPSK	41565	1RB#0	30~1000	-64.32	PASS
Band41	5MHz	16QAM	40620	1RB#0	1000~20000	-46.05	PASS
Band41	5MHz	QPSK	41565	1RB#0	20000~27000	-38.60	PASS
Band41	5MHz	16QAM	41565	1RB#0	0.009~0.15	-64.41	PASS
Band41	5MHz	16QAM	41565	1RB#0	0.15~30	-63.27	PASS
Band41	5MHz	16QAM	41565	1RB#0	30~1000	-64.02	PASS
Band41	5MHz	QPSK	41565	1RB#0	1000~20000	-46.21	PASS
Band41	5MHz	16QAM	41565	1RB#0	20000~27000	-38.72	PASS
Band41	10MHz	QPSK	39700	1RB#0	0.009~0.15	-64.88	PASS
Band41	10MHz	QPSK	39700	1RB#0	0.15~30	-65.21	PASS
Band41	10MHz	QPSK	39700	1RB#0	30~1000	-64.13	PASS
Band41	5MHz	16QAM	41565	1RB#0	1000~20000	-46.29	PASS
Band41	10MHz	QPSK	39700	1RB#0	20000~27000	-38.69	PASS
Band41	10MHz	16QAM	39700	1RB#0	0.009~0.15	-65.36	PASS
Band41	10MHz	16QAM	39700	1RB#0	0.15~30	-65.64	PASS
Band41	10MHz	16QAM	39700	1RB#0	30~1000	-63.97	PASS
Band41	10MHz	QPSK	39700	1RB#0	1000~20000	-46.52	PASS

Band41	10MHz	16QAM	39700	1RB#0	1000~20000	-45.88	PASS
Band41	10MHz	16QAM	39700	1RB#0	20000~27000	-38.67	PASS
Band41	10MHz	QPSK	40620	1RB#0	0.009~0.15	-64.40	PASS
Band41	10MHz	QPSK	40620	1RB#0	0.15~30	-57.21	PASS
Band41	10MHz	QPSK	40620	1RB#0	30~1000	-64.13	PASS
Band41	10MHz	QPSK	40620	1RB#0	20000~27000	-38.72	PASS
Band41	10MHz	QPSK	40620	1RB#0	1000~20000	-45.16	PASS
Band41	10MHz	16QAM	40620	1RB#0	0.009~0.15	-62.76	PASS
Band41	10MHz	16QAM	40620	1RB#0	0.15~30	-58.18	PASS
Band41	10MHz	16QAM	40620	1RB#0	30~1000	-63.87	PASS
Band41	10MHz	16QAM	40620	1RB#0	20000~27000	-38.64	PASS
Band41	10MHz	QPSK	41540	1RB#0	0.009~0.15	-65.10	PASS
Band41	10MHz	16QAM	40620	1RB#0	1000~20000	-46.39	PASS
Band41	10MHz	QPSK	41540	1RB#0	0.15~30	-64.13	PASS
Band41	10MHz	QPSK	41540	1RB#0	30~1000	-64.10	PASS
Band41	10MHz	QPSK	41540	1RB#0	20000~27000	-38.47	PASS
Band41	10MHz	16QAM	41540	1RB#0	0.009~0.15	-64.27	PASS
Band41	10MHz	QPSK	41540	1RB#0	1000~20000	-28.31	PASS
Band41	10MHz	16QAM	41540	1RB#0	0.15~30	-64.77	PASS
Band41	10MHz	16QAM	41540	1RB#0	30~1000	-63.85	PASS
Band41	10MHz	16QAM	41540	1RB#0	1000~20000	-28.73	PASS
Band41	10MHz	16QAM	41540	1RB#0	20000~27000	-38.49	PASS
Band41	15MHz	QPSK	39725	1RB#0	0.009~0.15	-65.40	PASS
Band41	15MHz	QPSK	39725	1RB#0	0.15~30	-64.88	PASS
Band41	15MHz	QPSK	39725	1RB#0	30~1000	-64.00	PASS
Band41	15MHz	QPSK	39725	1RB#0	1000~20000	-46.42	PASS
Band41	15MHz	QPSK	39725	1RB#0	20000~27000	-38.72	PASS
Band41	15MHz	16QAM	39725	1RB#0	0.009~0.15	-65.22	PASS
Band41	15MHz	16QAM	39725	1RB#0	0.15~30	-61.76	PASS
Band41	15MHz	16QAM	39725	1RB#0	30~1000	-63.91	PASS
Band41	15MHz	16QAM	39725	1RB#0	1000~20000	-46.23	PASS
Band41	15MHz	16QAM	39725	1RB#0	20000~27000	-38.66	PASS
Band41	15MHz	QPSK	40620	1RB#0	0.009~0.15	-65.62	PASS
Band41	15MHz	QPSK	40620	1RB#0	0.15~30	-58.59	PASS
Band41	15MHz	QPSK	40620	1RB#0	30~1000	-64.18	PASS
Band41	15MHz	QPSK	40620	1RB#0	1000~20000	-46.18	PASS
Band41	15MHz	QPSK	40620	1RB#0	20000~27000	-38.31	PASS
Band41	15MHz	16QAM	40620	1RB#0	0.009~0.15	-64.49	PASS
Band41	15MHz	16QAM	40620	1RB#0	0.15~30	-59.95	PASS
Band41	15MHz	16QAM	40620	1RB#0	30~1000	-64.06	PASS
Band41	15MHz	16QAM	40620	1RB#0	1000~20000	-46.18	PASS
Band41	15MHz	16QAM	40620	1RB#0	20000~27000	-38.46	PASS
Band41	15MHz	QPSK	41515	1RB#0	0.009~0.15	-63.28	PASS

Band41	15MHz	QPSK	41515	1RB#0	0.15~30	-64.08	PASS
Band41	15MHz	QPSK	41515	1RB#0	30~1000	-64.17	PASS
Band41	15MHz	QPSK	41515	1RB#0	1000~20000	-46.18	PASS
Band41	15MHz	QPSK	41515	1RB#0	20000~27000	-38.65	PASS
Band41	15MHz	16QAM	41515	1RB#0	0.009~0.15	-64.42	PASS
Band41	15MHz	16QAM	41515	1RB#0	0.15~30	-64.48	PASS
Band41	15MHz	16QAM	41515	1RB#0	30~1000	-64.14	PASS
Band41	15MHz	16QAM	41515	1RB#0	1000~20000	-46.31	PASS
Band41	15MHz	16QAM	41515	1RB#0	20000~27000	-38.76	PASS
Band41	20MHz	QPSK	39750	1RB#0	0.009~0.15	-66.03	PASS
Band41	20MHz	QPSK	39750	1RB#0	0.15~30	-62.58	PASS
Band41	20MHz	QPSK	39750	1RB#0	30~1000	-64.08	PASS
Band41	20MHz	QPSK	39750	1RB#0	1000~20000	-46.16	PASS
Band41	20MHz	QPSK	39750	1RB#0	20000~27000	-38.63	PASS
Band41	20MHz	16QAM	39750	1RB#0	0.009~0.15	-64.04	PASS
Band41	20MHz	16QAM	39750	1RB#0	0.15~30	-64.45	PASS
Band41	20MHz	16QAM	39750	1RB#0	30~1000	-63.86	PASS
Band41	20MHz	16QAM	39750	1RB#0	1000~20000	-45.97	PASS
Band41	20MHz	16QAM	39750	1RB#0	20000~27000	-38.43	PASS
Band41	20MHz	QPSK	40620	1RB#0	0.009~0.15	-65.20	PASS
Band41	20MHz	QPSK	40620	1RB#0	0.15~30	-57.27	PASS
Band41	20MHz	QPSK	40620	1RB#0	30~1000	-64.02	PASS
Band41	20MHz	QPSK	40620	1RB#0	1000~20000	-46.29	PASS
Band41	20MHz	QPSK	40620	1RB#0	20000~27000	-38.60	PASS
Band41	20MHz	16QAM	40620	1RB#0	0.009~0.15	-63.92	PASS
Band41	20MHz	16QAM	40620	1RB#0	0.15~30	-60.09	PASS
Band41	20MHz	16QAM	40620	1RB#0	30~1000	-63.90	PASS
Band41	20MHz	16QAM	40620	1RB#0	1000~20000	-46.17	PASS
Band41	20MHz	16QAM	40620	1RB#0	20000~27000	-38.16	PASS
Band41	20MHz	QPSK	41490	1RB#0	0.009~0.15	-64.19	PASS
Band41	20MHz	QPSK	41490	1RB#0	0.15~30	-64.56	PASS
Band41	20MHz	QPSK	41490	1RB#0	30~1000	-63.95	PASS
Band41	20MHz	QPSK	41490	1RB#0	1000~20000	-46.30	PASS
Band41	20MHz	QPSK	41490	1RB#0	20000~27000	-38.45	PASS
Band41	20MHz	16QAM	41490	1RB#0	0.009~0.15	-64.08	PASS
Band41	20MHz	16QAM	41490	1RB#0	0.15~30	-62.54	PASS
Band41	20MHz	16QAM	41490	1RB#0	30~1000	-64.32	PASS
Band41	20MHz	16QAM	41490	1RB#0	1000~20000	-46.46	PASS
Band41	20MHz	16QAM	41490	1RB#0	20000~27000	-38.43	PASS
Band41	5MHz	QPSK	40620	1RB#0	1000~20000	-46.15	PASS

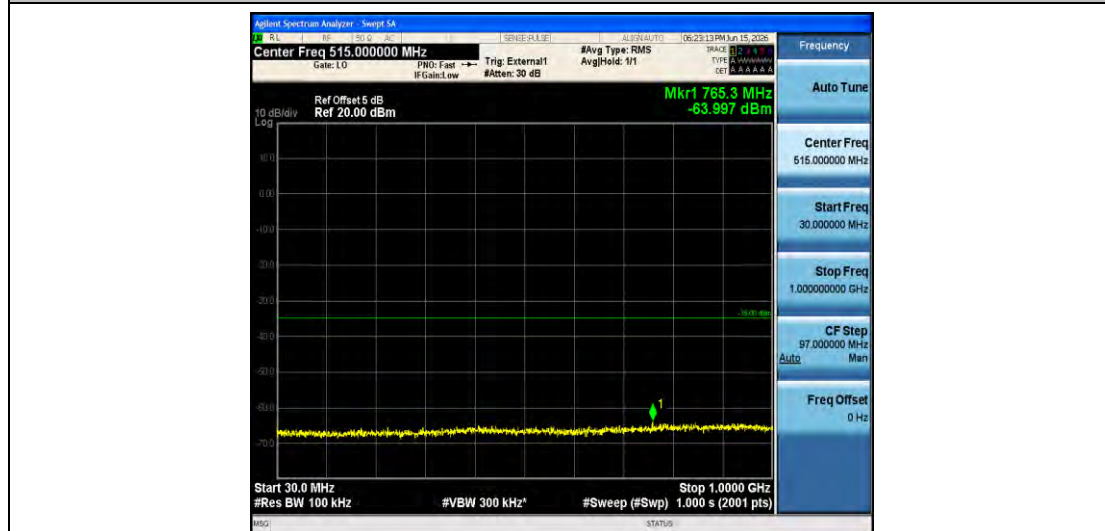
Test Graphs



Band41-5MHz-QPSK-39675-1RB#0-0.009~0.15-PASS



Band41-5MHz-QPSK-39675-1RB#0-0.15~30-PASS



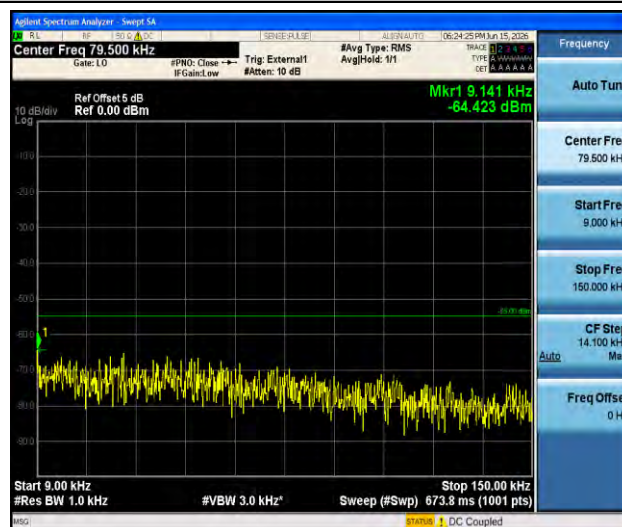
Band41-5MHz-QPSK-39675-1RB#0-30~1000-PASS



Band41-5MHz-QPSK-39675-1RB#0-1000~20000-PASS



Band41-5MHz-QPSK-39675-1RB#0-20000~27000-PASS



Band41-5MHz-16QAM-39675-1RB#0-0.009~0.15-PASS



Band41-5MHz-16QAM-39675-1RB#0-0.15~30-PASS



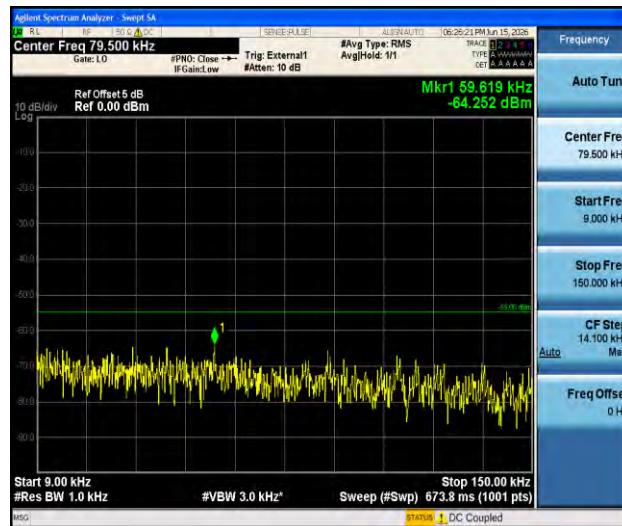
Band41-5MHz-16QAM-39675-1RB#0-30~1000-PASS



Band41-5MHz-16QAM-39675-1RB#0-20000~27000-PASS



Band41-5MHz-16QAM-39675-1RB#0-1000~20000-PASS



Band41-5MHz-QPSK-40620-1RB#0-0.009~0.15-PASS



Band41-5MHz-QPSK-40620-1RB#0-0.15~30-PASS