

Appendix A: Effective (Isotropic) Radiated Power Output Data for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Conducted Power(dBm)	ERP (dBm)	Verdict
Band 5	1.4MHz	QPSK	20407	1	0	Low	22.12	20.61	PASS
Band 5	1.4MHz	QPSK	20407	1	5	Low	22.22	20.71	PASS
Band 5	1.4MHz	16QAM	20407	1	0	Low	19.71	18.2	PASS
Band 5	1.4MHz	16QAM	20407	1	5	Low	19.73	18.22	PASS
Band 5	1.4MHz	16QAM	20407	5	0	Low	18.91	17.4	PASS
Band 5	1.4MHz	QPSK	20525	1	0	Low	22.39	20.88	PASS
Band 5	1.4MHz	QPSK	20525	1	5	Low	22.45	20.94	PASS
Band 5	1.4MHz	16QAM	20525	1	0	Low	19.64	18.13	PASS
Band 5	1.4MHz	16QAM	20525	1	5	Low	19.66	18.15	PASS
Band 5	1.4MHz	16QAM	20525	5	0	Low	18.73	17.22	PASS
Band 5	1.4MHz	QPSK	20643	1	0	High	21.65	20.14	PASS
Band 5	1.4MHz	QPSK	20643	1	5	High	21.68	20.17	PASS
Band 5	1.4MHz	16QAM	20643	1	0	High	19.72	18.21	PASS
Band 5	1.4MHz	16QAM	20643	1	5	High	19.78	18.27	PASS
Band 5	1.4MHz	16QAM	20643	5	1	High	18.96	17.45	PASS
Band 5	3MHz	QPSK	20415	1	0	Low	22.17	20.66	PASS
Band 5	3MHz	QPSK	20415	1	5	Low	22.25	20.74	PASS

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Band 5	3MHz	16QAM	20415	1	0	Low	18.92	17.41	PASS
Band 5	3MHz	16QAM	20415	1	5	Low	19.03	17.52	PASS
Band 5	3MHz	16QAM	20415	5	0	Low	18.55	17.04	PASS
Band 5	3MHz	QPSK	20525	1	0	Low	22.36	20.85	PASS
Band 5	3MHz	QPSK	20525	1	5	Low	22.41	20.9	PASS
Band 5	3MHz	16QAM	20525	1	0	Low	19.52	18.01	PASS
Band 5	3MHz	16QAM	20525	1	5	Low	19.66	18.15	PASS
Band 5	3MHz	16QAM	20525	5	0	Low	18.72	17.21	PASS
Band 5	3MHz	QPSK	20635	1	0	High	22.82	21.31	PASS
Band 5	3MHz	QPSK	20635	1	5	High	22.85	21.34	PASS
Band 5	3MHz	16QAM	20635	1	0	High	19.83	18.32	PASS
Band 5	3MHz	16QAM	20635	1	5	High	19.85	18.34	PASS
Band 5	3MHz	16QAM	20635	5	1	High	18.9	17.39	PASS
Band 5	5MHz	QPSK	20425	1	0	Low	22.14	20.63	PASS
Band 5	5MHz	QPSK	20425	1	5	Low	22.2	20.69	PASS
Band 5	5MHz	16QAM	20425	1	0	Low	20.58	19.07	PASS
Band 5	5MHz	16QAM	20425	1	5	Low	20.69	19.18	PASS
Band 5	5MHz	16QAM	20425	5	0	Low	18.9	17.39	PASS
Band 5	5MHz	QPSK	20525	1	0	Low	22.22	20.71	PASS
Band 5	5MHz	QPSK	20525	1	5	Low	22.35	20.84	PASS
Band 5	5MHz	16QAM	20525	1	0	Low	20.53	19.02	PASS

Band 5	5MHz	16QAM	20525	1	5	Low	20.55	19.04	PASS
Band 5	5MHz	16QAM	20525	5	0	Low	18.75	17.24	PASS
Band 5	5MHz	QPSK	20625	1	0	High	22.83	21.32	PASS
Band 5	5MHz	QPSK	20625	1	5	High	22.89	21.38	PASS
Band 5	5MHz	16QAM	20625	1	0	High	20.66	19.15	PASS
Band 5	5MHz	16QAM	20625	1	5	High	20.64	19.13	PASS
Band 5	5MHz	16QAM	20625	5	1	High	19.02	17.51	PASS
Band 5	10MHz	QPSK	20450	1	0	Low	22.09	20.58	PASS
Band 5	10MHz	QPSK	20450	1	5	Low	22.24	20.73	PASS
Band 5	10MHz	16QAM	20450	1	0	Low	20.69	19.18	PASS
Band 5	10MHz	16QAM	20450	1	5	Low	20.61	19.1	PASS
Band 5	10MHz	16QAM	20450	5	0	Low	19.76	18.25	PASS
Band 5	10MHz	QPSK	20525	1	0	Low	20.8	19.29	PASS
Band 5	10MHz	QPSK	20525	1	5	Low	20.88	19.37	PASS
Band 5	10MHz	16QAM	20525	1	0	Low	20.37	18.86	PASS
Band 5	10MHz	16QAM	20525	1	5	Low	20.4	18.89	PASS
Band 5	10MHz	16QAM	20525	5	0	Low	19.59	18.08	PASS
Band 5	10MHz	QPSK	20600	1	0	High	22.9	21.39	PASS
Band 5	10MHz	QPSK	20600	1	5	High	22.67	21.16	PASS
Band 5	10MHz	16QAM	20600	1	0	High	20.73	19.22	PASS
Band 5	10MHz	16QAM	20600	1	5	High	20.71	19.2	PASS
Band 5	10MHz	16QAM	20600	5	1	High	19.87	18.36	PASS

Appendix B: Peak-to-Average Ratio(CCDF) for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1	0	Low	3.62	<=13	PASS
Band5	1.4MHz	16QAM	20407	1	0	Low	4.05	<=13	PASS
Band5	1.4MHz	16QAM	20407	5	0	Low	4.70	<=13	PASS
Band5	1.4MHz	QPSK	20525	1	0	Low	3.62	<=13	PASS
Band5	1.4MHz	16QAM	20525	1	0	Low	4.26	<=13	PASS
Band5	1.4MHz	16QAM	20525	5	0	Low	4.66	<=13	PASS
Band5	1.4MHz	QPSK	20643	1	5	High	3.33	<=13	PASS
Band5	1.4MHz	16QAM	20643	1	5	High	4.19	<=13	PASS
Band5	1.4MHz	16QAM	20643	5	1	High	4.84	<=13	PASS
Band5	3MHz	QPSK	20415	1	0	Low	4.26	<=13	PASS
Band5	3MHz	16QAM	20415	1	0	Low	4.18	<=13	PASS
Band5	3MHz	16QAM	20415	5	0	Low	4.78	<=13	PASS
Band5	3MHz	QPSK	20525	1	0	Low	3.72	<=13	PASS
Band5	3MHz	16QAM	20525	1	0	Low	4.07	<=13	PASS
Band5	3MHz	16QAM	20525	5	0	Low	4.78	<=13	PASS
Band5	3MHz	QPSK	20635	1	5	High	3.98	<=13	PASS
Band5	3MHz	16QAM	20635	1	5	High	4.32	<=13	PASS
Band5	3MHz	16QAM	20635	5	1	High	4.85	<=13	PASS
Band5	5MHz	QPSK	20425	1	0	Low	3.80	<=13	PASS
Band5	5MHz	16QAM	20425	1	0	Low	3.53	<=13	PASS
Band5	5MHz	16QAM	20425	5	0	Low	4.74	<=13	PASS
Band5	5MHz	QPSK	20525	1	0	Low	3.72	<=13	PASS
Band5	5MHz	16QAM	20525	1	0	Low	3.77	<=13	PASS
Band5	5MHz	16QAM	20525	5	0	Low	4.79	<=13	PASS
Band5	5MHz	QPSK	20625	1	5	High	3.74	<=13	PASS
Band5	5MHz	16QAM	20625	1	5	High	3.77	<=13	PASS
Band5	5MHz	16QAM	20625	5	1	High	4.86	<=13	PASS
Band5	10MHz	QPSK	20450	1	0	Low	7.72	<=13	PASS
Band5	10MHz	16QAM	20450	1	0	Low	8.68	<=13	PASS
Band5	10MHz	16QAM	20450	5	0	Low	6.25	<=13	PASS
Band5	10MHz	QPSK	20525	1	0	Low	7.88	<=13	PASS
Band5	10MHz	16QAM	20525	1	0	Low	8.53	<=13	PASS
Band5	10MHz	16QAM	20525	5	0	Low	6.11	<=13	PASS
Band5	10MHz	QPSK	20600	1	5	High	7.63	<=13	PASS
Band5	10MHz	16QAM	20600	1	5	High	8.64	<=13	PASS

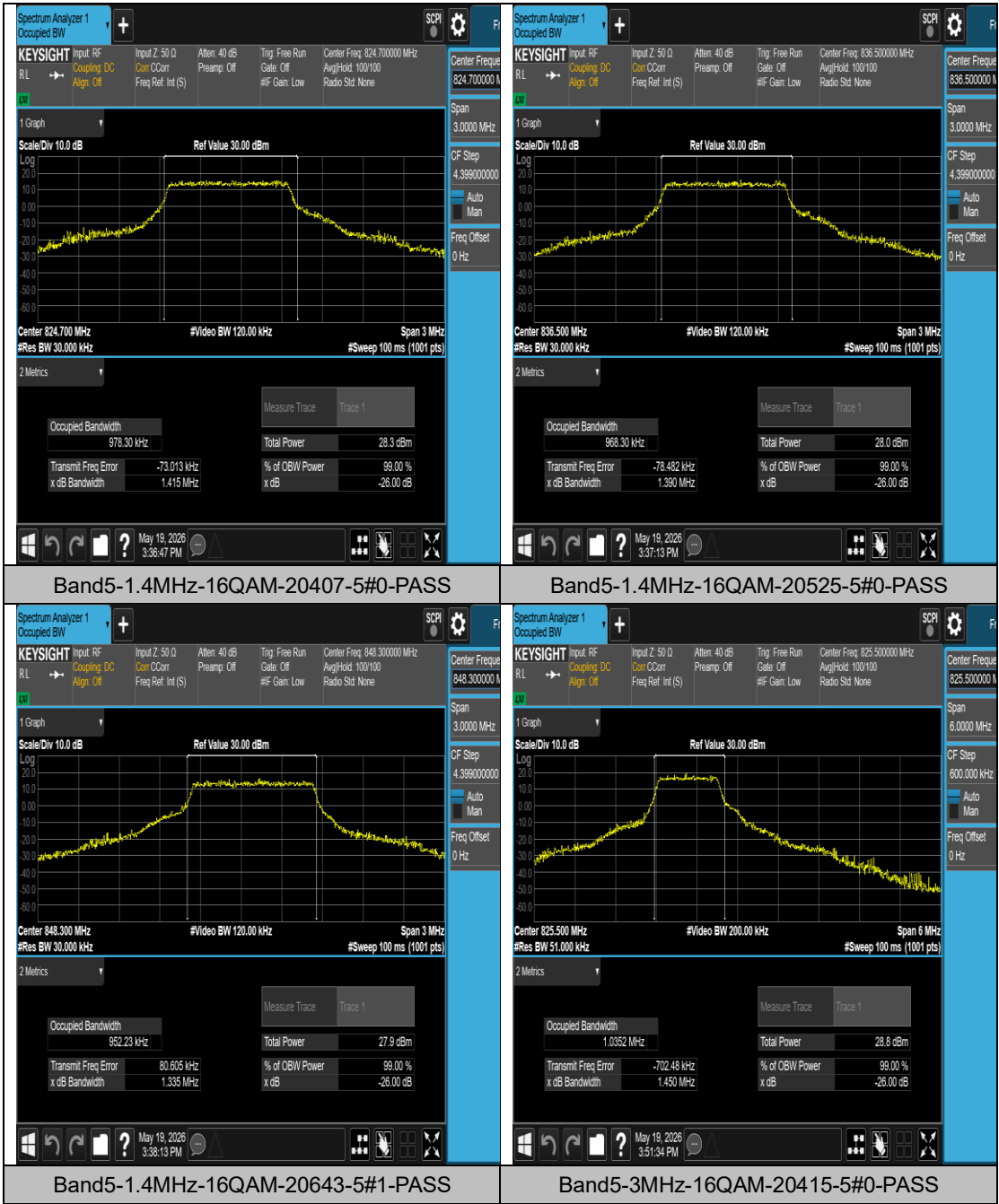
Band5	10MHz	16QAM	20600	5	1	High	5.92	<=13	PASS
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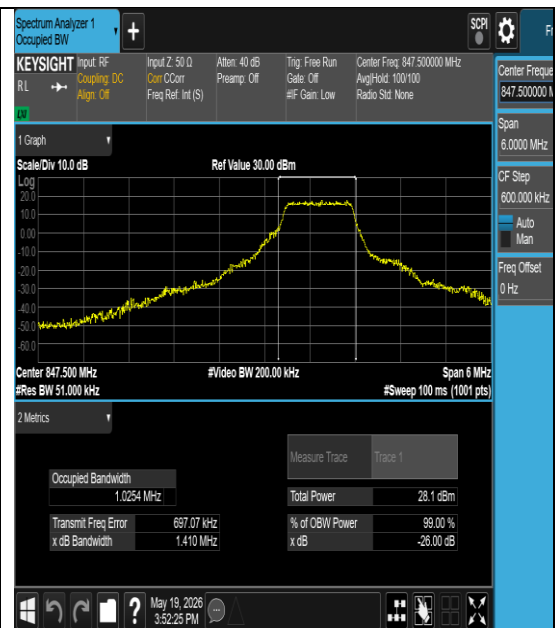
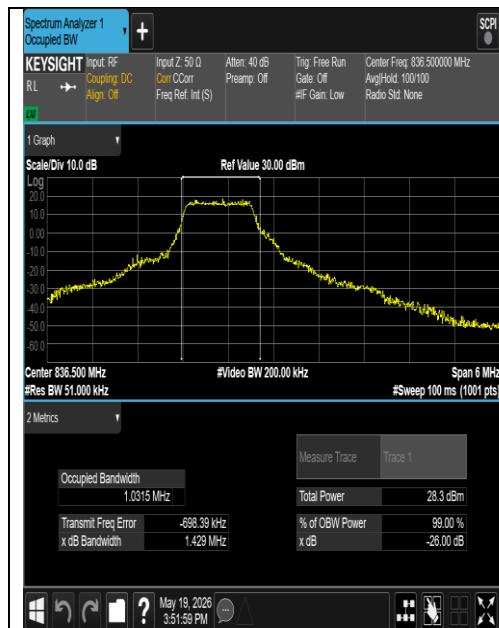
Appendix C: 26dB Bandwidth and Occupied Bandwidth for M1

Test Result

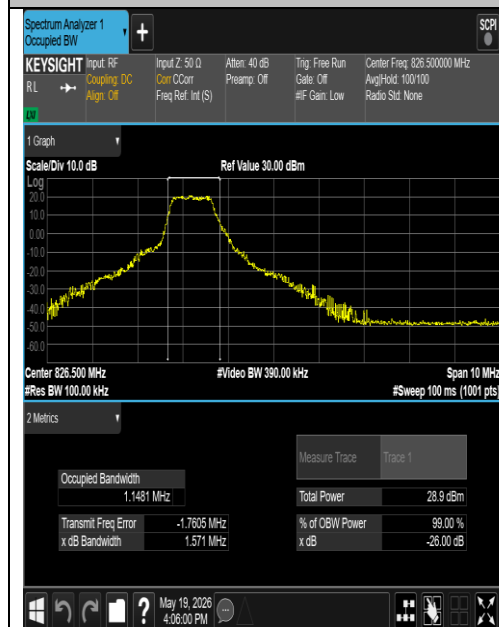
Band	Bandwidth h	Modulation	Channel	RB Size	RB Start	NB Index	Occupied Bandwidth h (MHz)	26dB Bandwidth h (MHz)	Verdict
Band 5	1.4MHz	16QAM	20407	5	0	Low	0.97830	1.415	PASS
Band 5	1.4MHz	16QAM	20525	5	0	Low	0.96830	1.390	PASS
Band 5	1.4MHz	16QAM	20643	5	1	High	0.95223	1.335	PASS
Band 5	3MHz	16QAM	20415	5	0	Low	1.0352	1.450	PASS
Band 5	3MHz	16QAM	20525	5	0	Low	1.0315	1.429	PASS
Band 5	3MHz	16QAM	20635	5	1	High	1.0254	1.410	PASS
Band 5	5MHz	16QAM	20425	5	0	Low	1.1481	1.571	PASS
Band 5	5MHz	16QAM	20525	5	0	Low	1.1568	1.529	PASS
Band 5	5MHz	16QAM	20625	5	1	High	1.1423	1.562	PASS
Band 5	10MHz	16QAM	20450	5	0	Low	1.3501	2.312	PASS
Band 5	10MHz	16QAM	20525	5	0	Low	1.3128	2.230	PASS
Band 5	10MHz	16QAM	20600	5	1	High	1.3159	2.204	PASS

Test Graphs

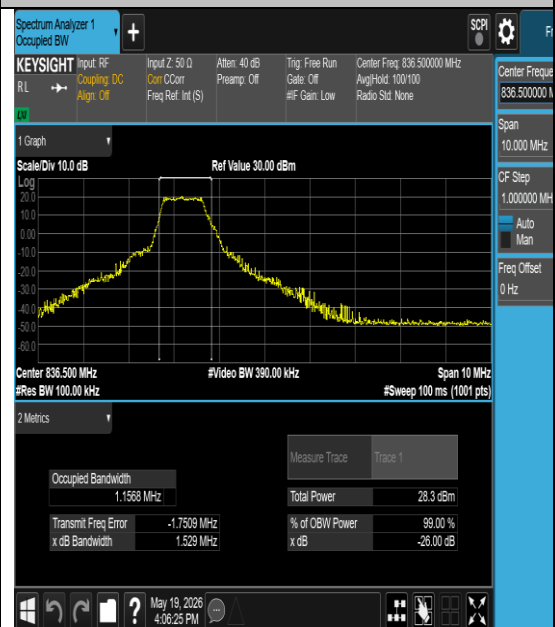




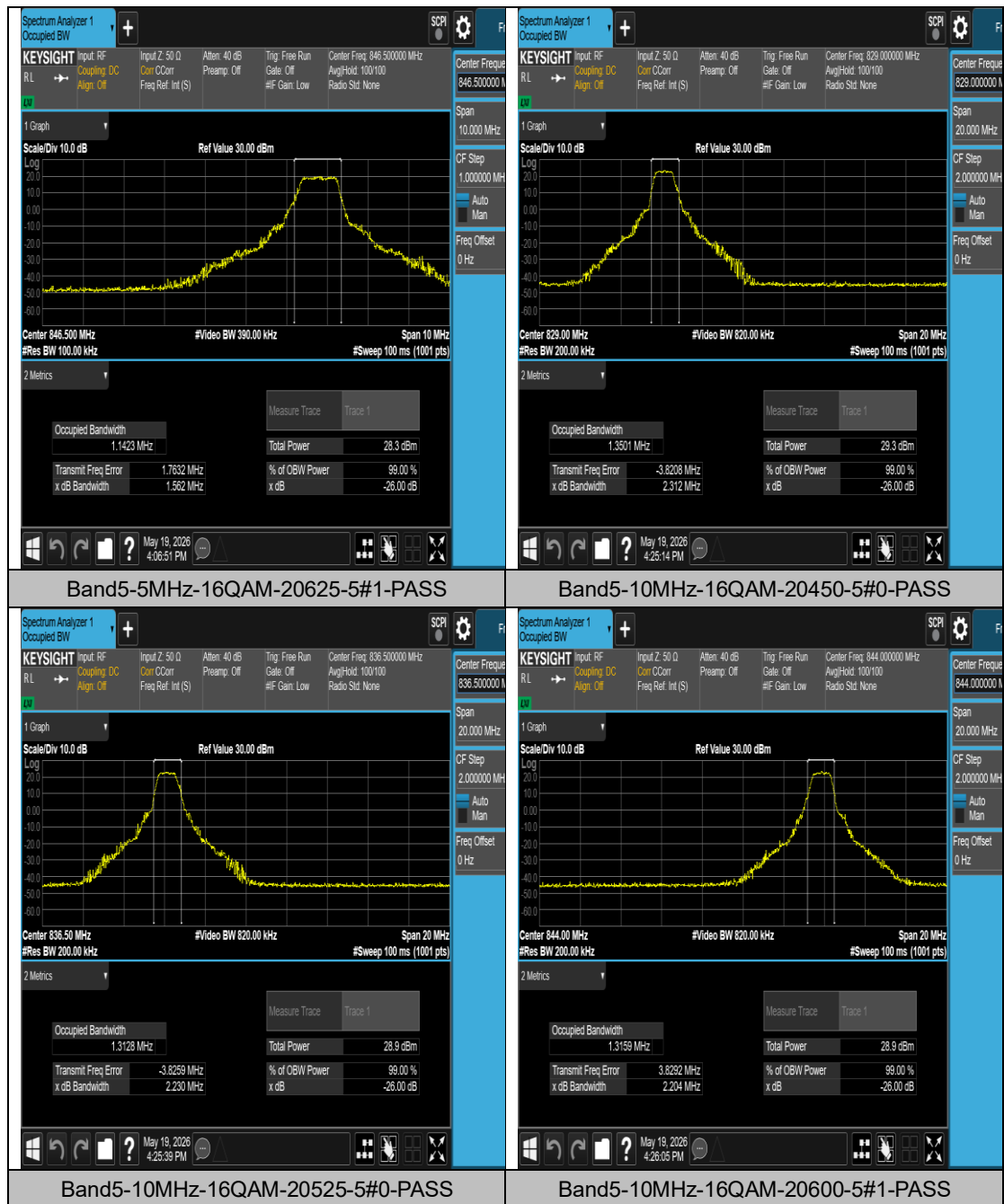
Band5-3MHz-16QAM-20525-5#0-PASS



Band5-5MHz-16QAM-20425-5#0-PASS



Band5-5MHz-16QAM-20525-5#0-PASS

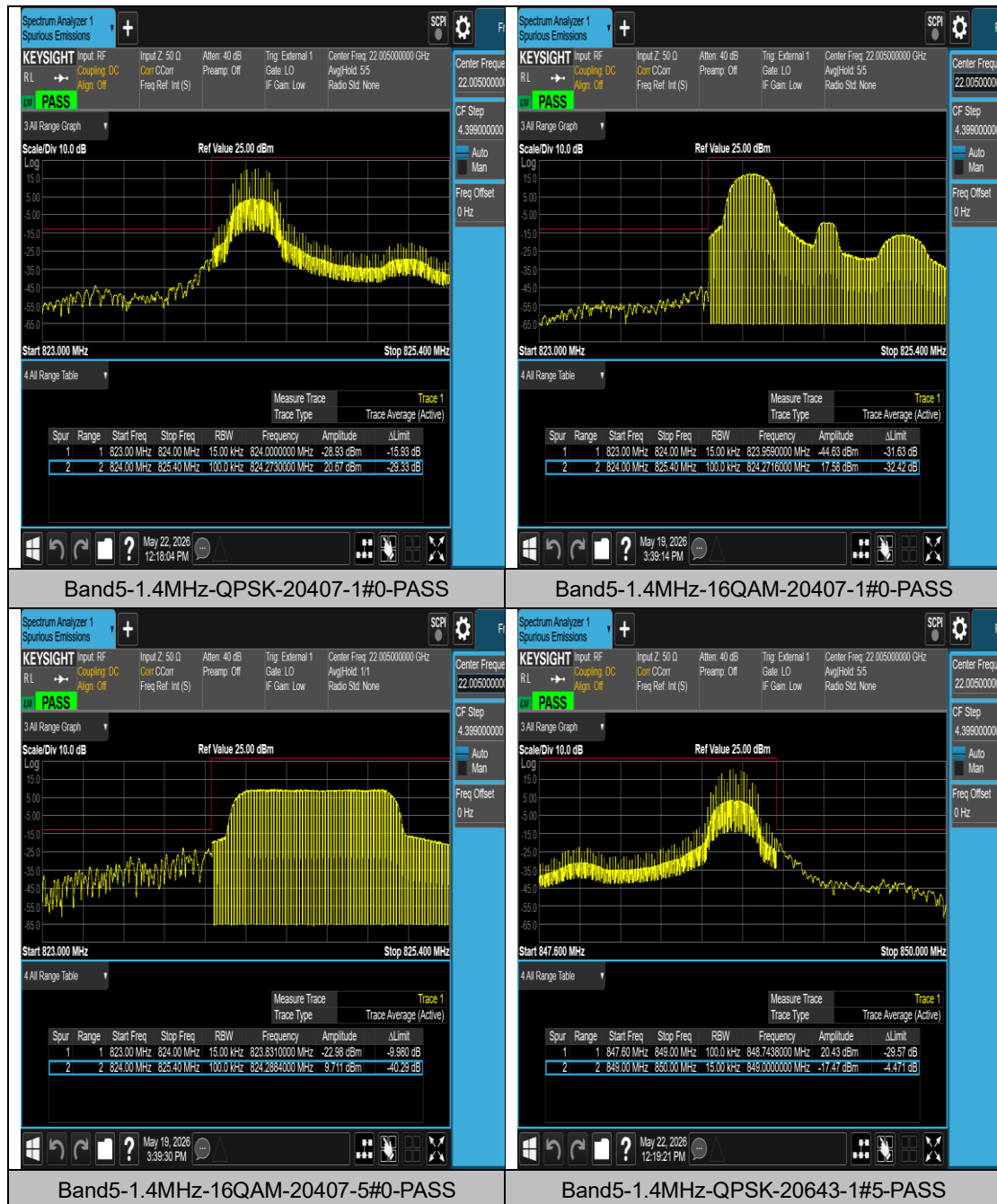


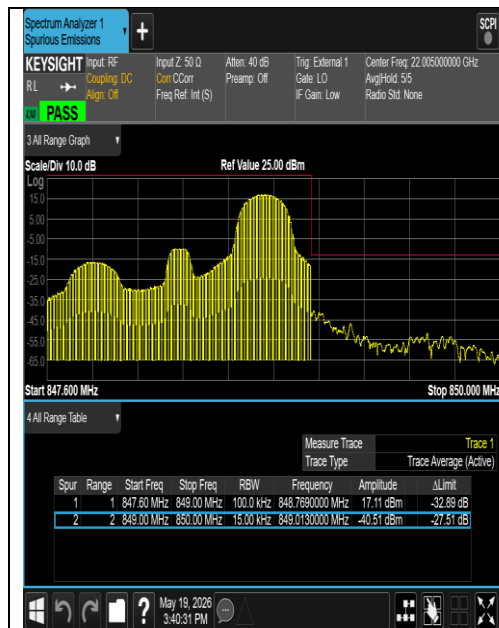
Appendix D: Band Edge for M1

Test Result

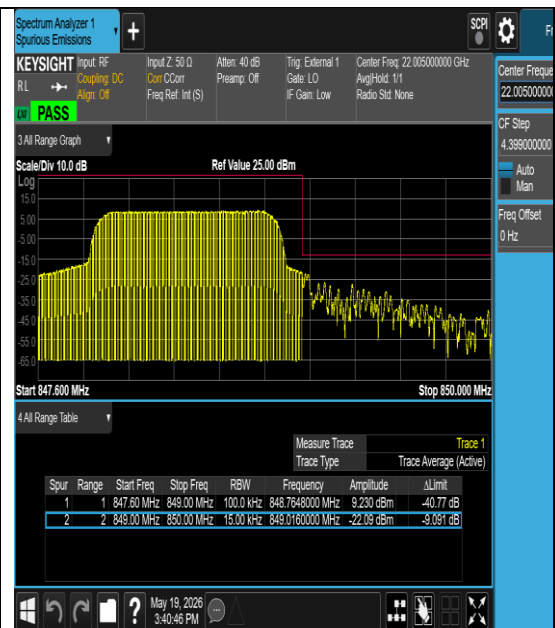
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1	0	Low	-28.93	PASS
Band5	1.4MHz	16QAM	20407	1	0	Low	-44.63	PASS
Band5	1.4MHz	16QAM	20407	5	0	Low	-22.98	PASS
Band5	1.4MHz	QPSK	20643	1	5	High	-17.47	PASS
Band5	1.4MHz	16QAM	20643	1	5	High	-40.51	PASS
Band5	1.4MHz	16QAM	20643	5	1	High	-22.09	PASS
Band5	3MHz	QPSK	20415	1	0	Low	-36.85	PASS
Band5	3MHz	16QAM	20415	1	0	Low	-36.17	PASS
Band5	3MHz	16QAM	20415	5	0	Low	-26.74	PASS
Band5	3MHz	QPSK	20635	1	5	High	-32.50	PASS
Band5	3MHz	16QAM	20635	1	5	High	-36.15	PASS
Band5	3MHz	16QAM	20635	5	1	High	-29.30	PASS
Band5	5MHz	QPSK	20425	1	0	Low	-27.70	PASS
Band5	5MHz	16QAM	20425	1	0	Low	-25.20	PASS
Band5	5MHz	16QAM	20425	5	0	Low	-23.44	PASS
Band5	5MHz	QPSK	20625	1	5	High	-25.36	PASS
Band5	5MHz	16QAM	20625	1	5	High	-27.45	PASS
Band5	5MHz	16QAM	20625	5	1	High	-27.55	PASS
Band5	10MHz	QPSK	20450	1	0	Low	-33.67	PASS
Band5	10MHz	16QAM	20450	1	0	Low	-32.20	PASS
Band5	10MHz	16QAM	20450	5	0	Low	-24.24	PASS
Band5	10MHz	QPSK	20600	1	5	High	-33.48	PASS
Band5	10MHz	16QAM	20600	1	5	High	-32.96	PASS
Band5	10MHz	16QAM	20600	5	1	High	-26.58	PASS

Test Graphs





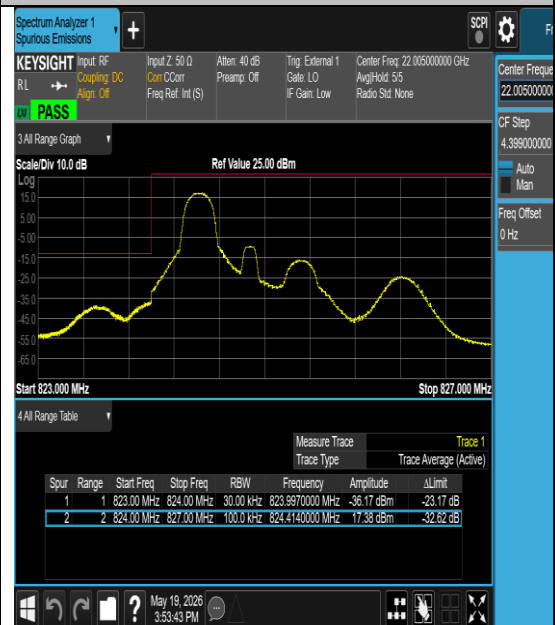
Band5-1.4MHz-16QAM-20643-1#5-PASS



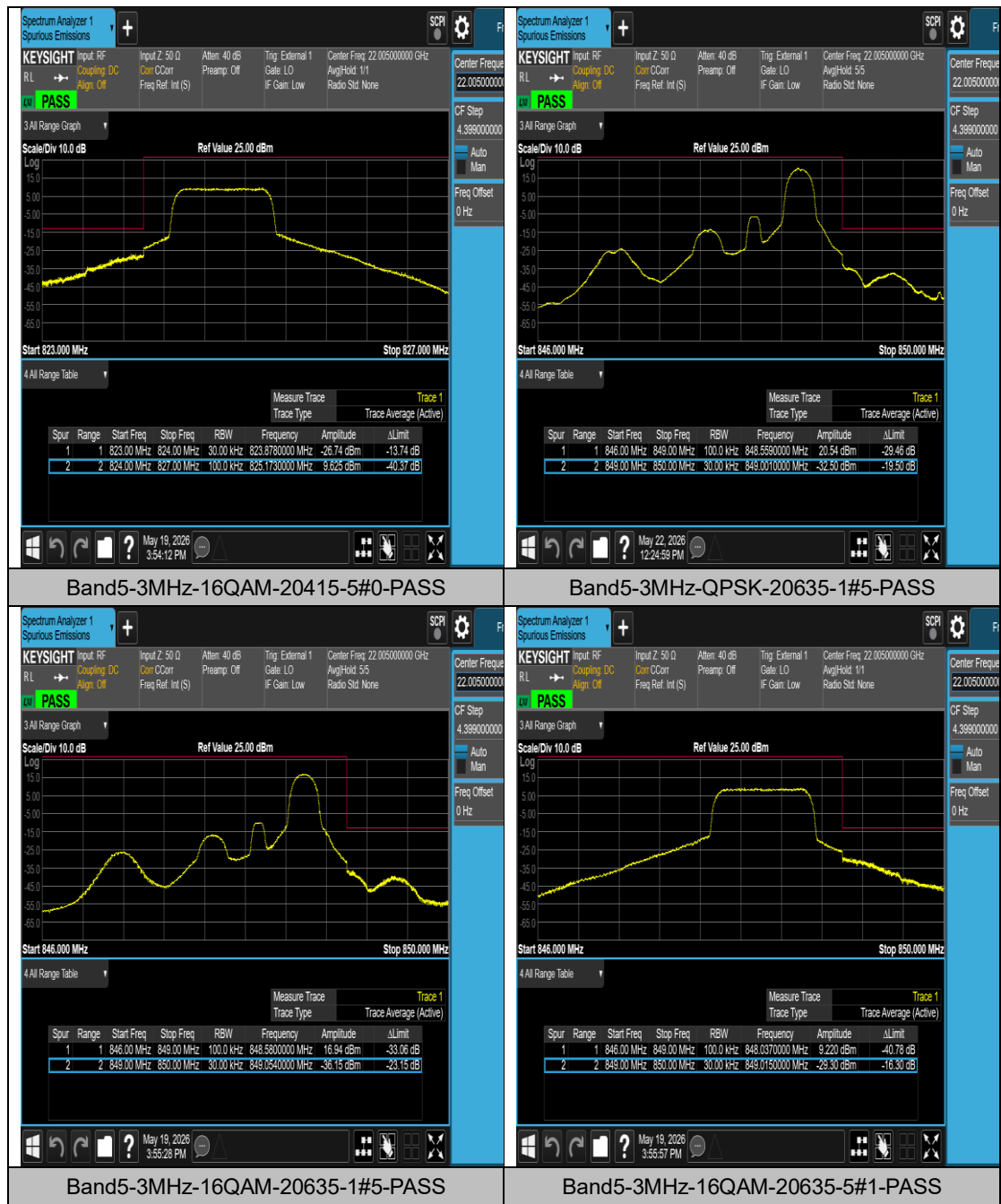
Band5-1.4MHz-16QAM-20643-5#1-PASS

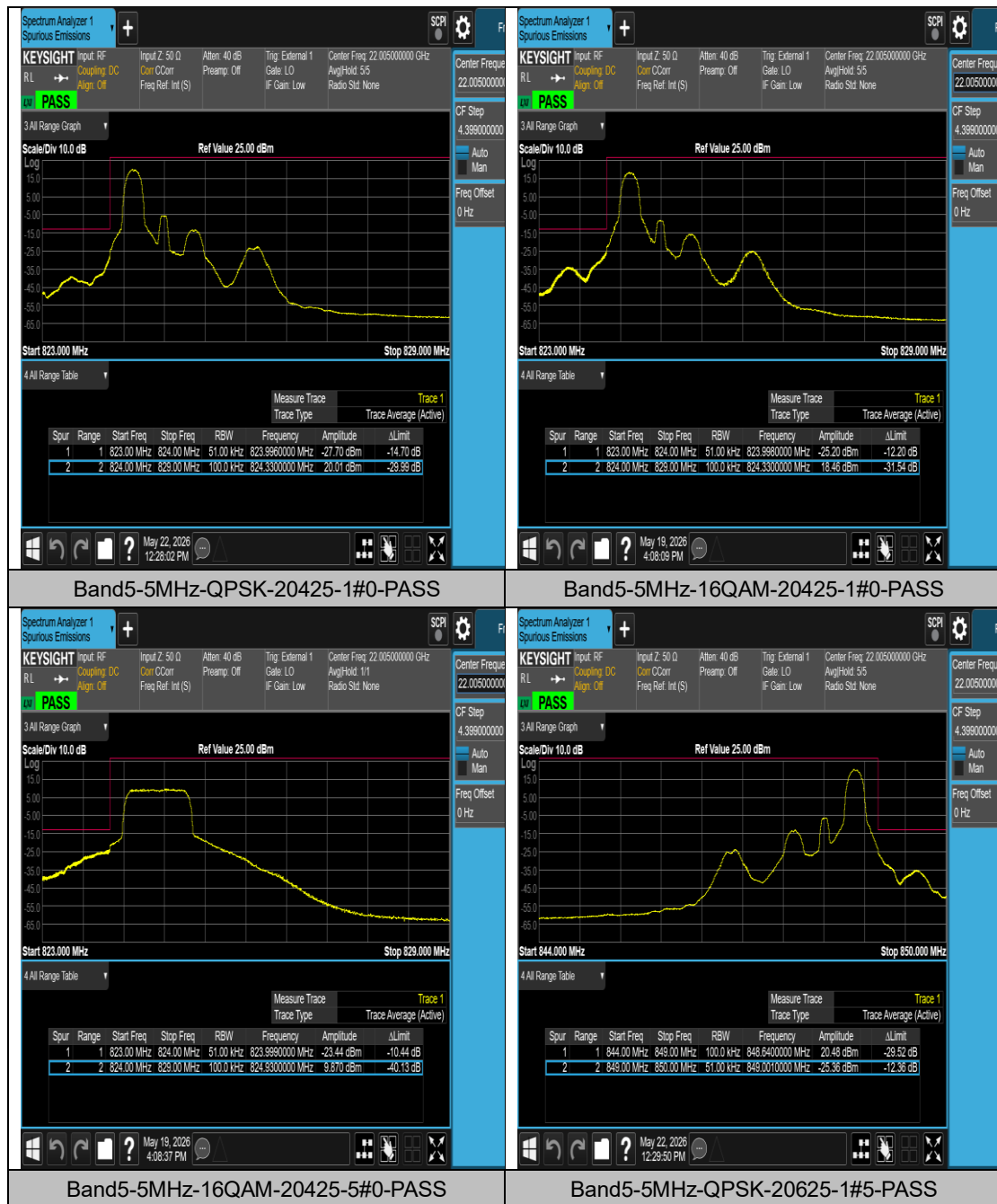


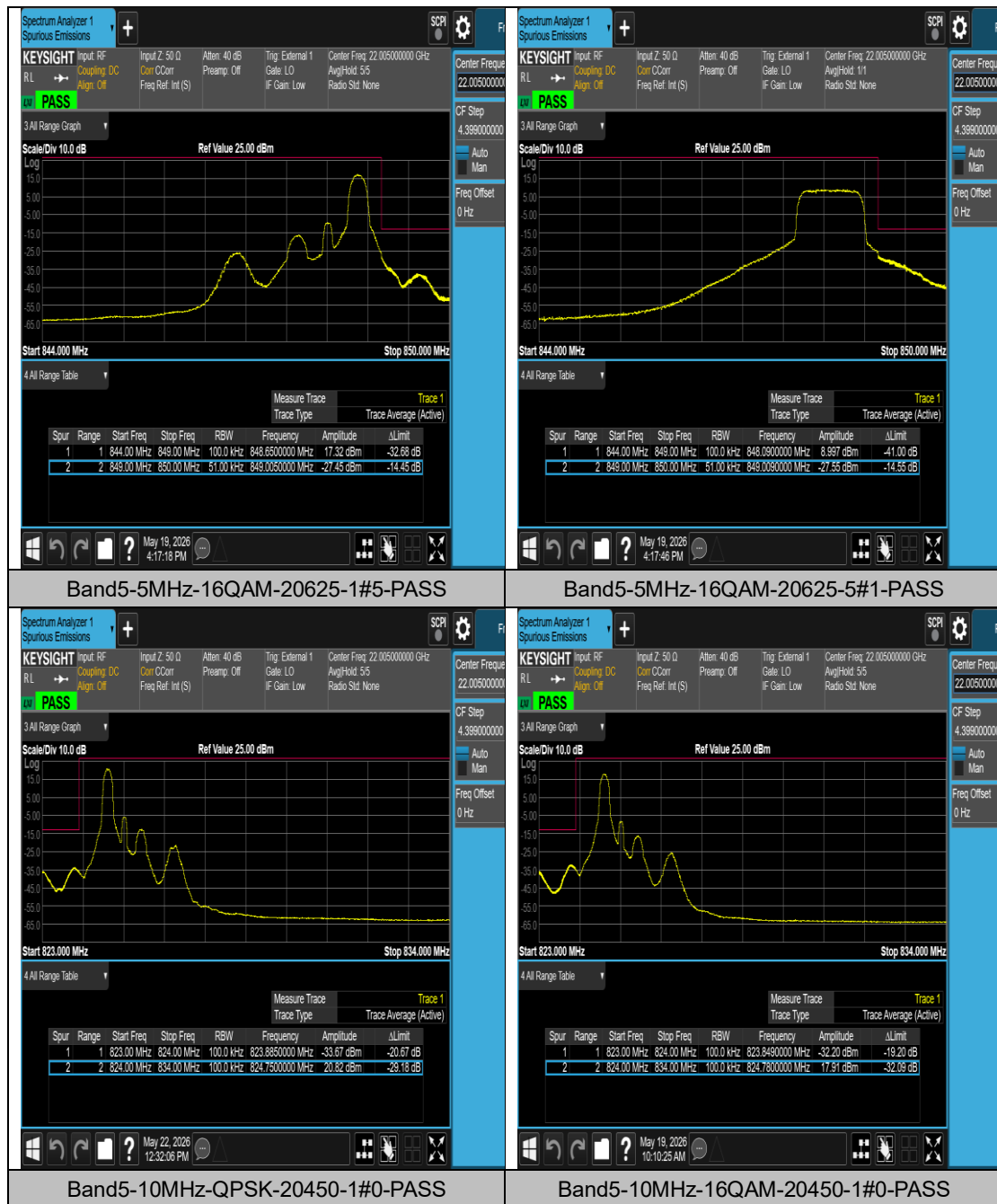
Band5-3MHz-QPSK-20415-1#0-PASS

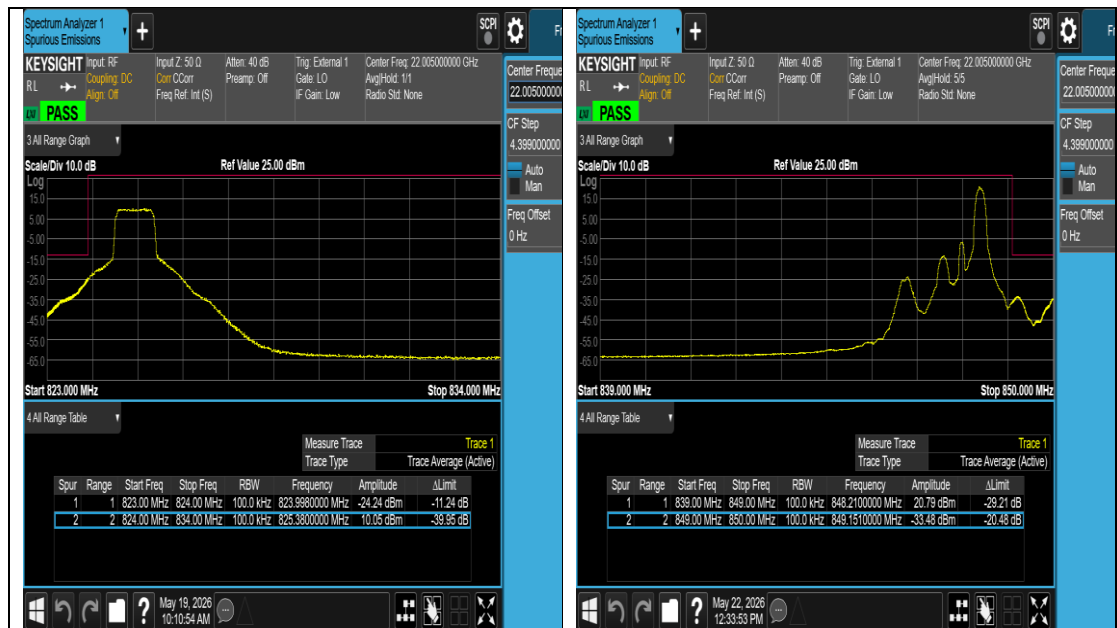


Band5-3MHz-16QAM-20415-1#0-PASS

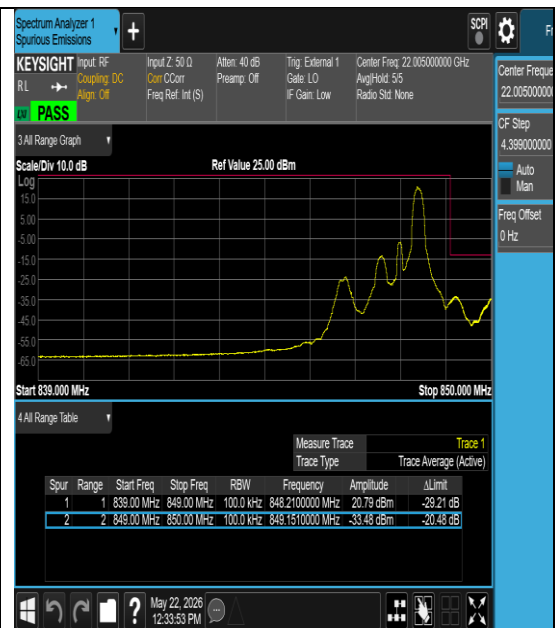








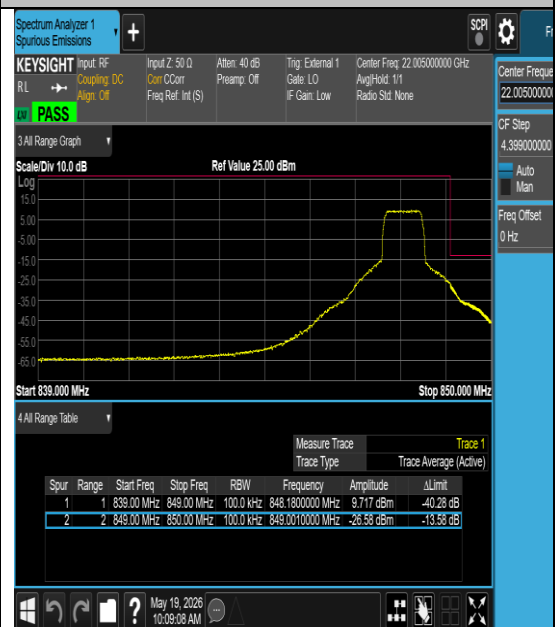
Band5-10MHz-16QAM-20450-5#0-PASS



Band5-10MHz-QPSK-20600-1#5-PASS



Band5-10MHz-16QAM-20600-1#5-PASS



Band5-10MHz-16QAM-20600-5#1-PASS

Appendix E: Conducted Spurious Emission for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Start Freq	Stop Freq	Result (dBm)	Verdict
Band 5	1.4MHz	QPSK	20407	1	0	Low	0.009	0.15	-60.39	PASS
Band 5	1.4MHz	QPSK	20407	1	0	Low	0.15	30	-52.66	PASS
Band 5	1.4MHz	QPSK	20407	1	0	Low	30	1000	-64.21	PASS
Band 5	1.4MHz	QPSK	20407	1	0	Low	1000	10000	-50.66	PASS
Band 5	1.4MHz	16QAM	20407	1	0	Low	0.009	0.15	-61.06	PASS
Band 5	1.4MHz	16QAM	20407	1	0	Low	0.15	30	-57.19	PASS
Band 5	1.4MHz	16QAM	20407	1	0	Low	30	1000	-64.16	PASS
Band 5	1.4MHz	16QAM	20407	1	0	Low	1000	10000	-50.47	PASS
Band 5	1.4MHz	QPSK	20525	1	0	Low	0.009	0.15	-61.65	PASS
Band 5	1.4MHz	QPSK	20525	1	0	Low	0.15	30	-55.7	PASS
Band 5	1.4MHz	QPSK	20525	1	0	Low	30	1000	-64.36	PASS
Band 5	1.4MHz	QPSK	20525	1	0	Low	1000	10000	-50.69	PASS
Band 5	1.4MHz	16QAM	20525	1	0	Low	0.009	0.15	-60.19	PASS
Band 5	1.4MHz	16QAM	20525	1	0	Low	0.15	30	-57.19	PASS
Band 5	1.4MHz	16QAM	20525	1	0	Low	30	1000	-64.69	PASS
Band 5	1.4MHz	16QAM	20525	1	0	Low	1000	10000	-50.64	PASS
Band 5	1.4MHz	QPSK	20643	1	5	High	0.009	0.15	-62	PASS
Band 5	1.4MHz	QPSK	20643	1	5	High	0.15	30	-74.35	PASS

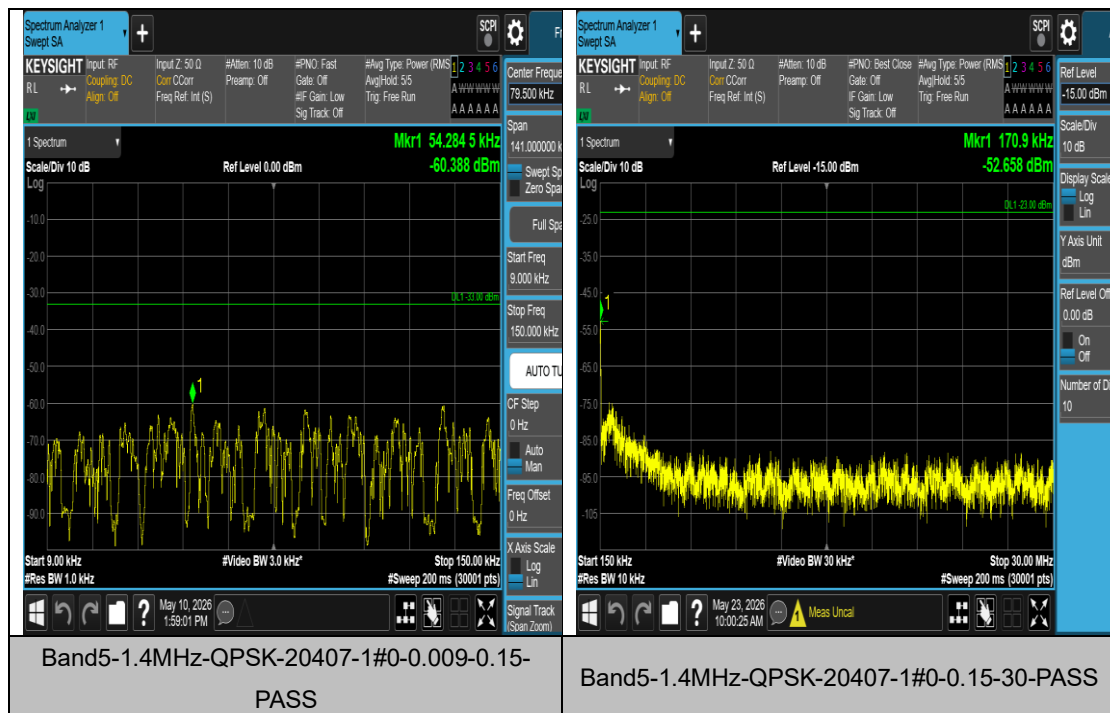
Band 5	1.4MHz	QPSK	20643	1	5	High	30	1000	- 64.01	PASS
Band 5	1.4MHz	QPSK	20643	1	5	High	1000	1000 0	- 50.46	PASS
Band 5	1.4MHz	16QAM	20643	1	5	High	0.00 9	0.15	-61.7	PASS
Band 5	1.4MHz	16QAM	20643	1	5	High	0.15	30	- 76.18	PASS
Band 5	1.4MHz	16QAM	20643	1	5	High	30	1000	- 63.68	PASS
Band 5	1.4MHz	16QAM	20643	1	5	High	1000	1000 0	- 50.23	PASS
Band 5	3MHz	QPSK	20415	1	0	Low	0.00 9	0.15	- 59.22	PASS
Band 5	3MHz	QPSK	20415	1	0	Low	0.15	30	- 57.09	PASS
Band 5	3MHz	QPSK	20415	1	0	Low	30	1000	- 64.07	PASS
Band 5	3MHz	QPSK	20415	1	0	Low	1000	1000 0	- 50.24	PASS
Band 5	3MHz	16QAM	20415	1	0	Low	0.00 9	0.15	- 58.99	PASS
Band 5	3MHz	16QAM	20415	1	0	Low	0.15	30	- 73.15	PASS
Band 5	3MHz	16QAM	20415	1	0	Low	30	1000	- 64.34	PASS
Band 5	3MHz	16QAM	20415	1	0	Low	1000	1000 0	- 50.35	PASS
Band 5	3MHz	QPSK	20525	1	0	Low	0.00 9	0.15	- 60.08	PASS
Band 5	3MHz	QPSK	20525	1	0	Low	0.15	30	- 47.19	PASS
Band 5	3MHz	QPSK	20525	1	0	Low	30	1000	- 63.75	PASS
Band 5	3MHz	QPSK	20525	1	0	Low	1000	1000 0	- 50.59	PASS
Band 5	3MHz	16QAM	20525	1	0	Low	0.00 9	0.15	- 59.13	PASS
Band 5	3MHz	16QAM	20525	1	0	Low	0.15	30	- 58.88	PASS
Band 5	3MHz	16QAM	20525	1	0	Low	30	1000	- 64.58	PASS
Band 5	3MHz	16QAM	20525	1	0	Low	1000	1000 0	- 50.56	PASS

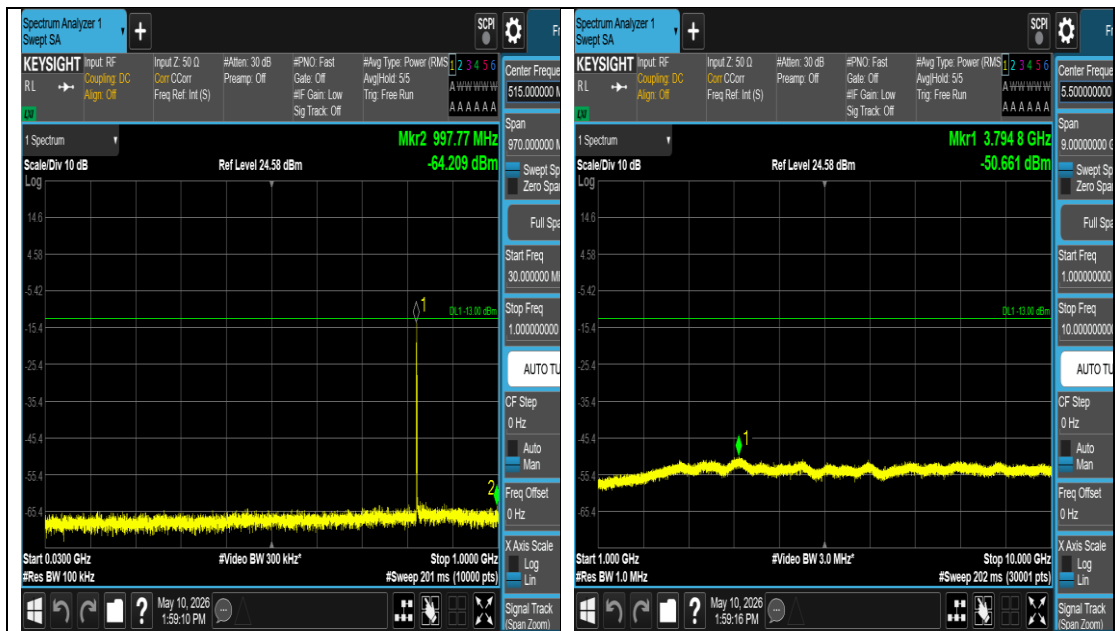
Band 5	3MHz	QPSK	20635	1	5	High	0.009	0.15	-60.04	PASS
Band 5	3MHz	QPSK	20635	1	5	High	0.15	30	-70.79	PASS
Band 5	3MHz	QPSK	20635	1	5	High	30	1000	-64.14	PASS
Band 5	3MHz	QPSK	20635	1	5	High	1000	10000	-49.97	PASS
Band 5	3MHz	16QAM	20635	1	5	High	0.009	0.15	-59.1	PASS
Band 5	3MHz	16QAM	20635	1	5	High	0.15	30	-75.8	PASS
Band 5	3MHz	16QAM	20635	1	5	High	30	1000	-64.68	PASS
Band 5	3MHz	16QAM	20635	1	5	High	1000	10000	-50.59	PASS
Band 5	5MHz	QPSK	20425	1	0	Low	0.009	0.15	-58.54	PASS
Band 5	5MHz	QPSK	20425	1	0	Low	0.15	30	-56.9	PASS
Band 5	5MHz	QPSK	20425	1	0	Low	30	1000	-64.22	PASS
Band 5	5MHz	QPSK	20425	1	0	Low	1000	10000	-50.78	PASS
Band 5	5MHz	16QAM	20425	1	0	Low	0.009	0.15	-57.3	PASS
Band 5	5MHz	16QAM	20425	1	0	Low	0.15	30	-56.24	PASS
Band 5	5MHz	16QAM	20425	1	0	Low	30	1000	-64.37	PASS
Band 5	5MHz	16QAM	20425	1	0	Low	1000	10000	-50.35	PASS
Band 5	5MHz	QPSK	20525	1	0	Low	0.009	0.15	-59.77	PASS
Band 5	5MHz	QPSK	20525	1	0	Low	0.15	30	-69.58	PASS
Band 5	5MHz	QPSK	20525	1	0	Low	30	1000	-63.85	PASS
Band 5	5MHz	QPSK	20525	1	0	Low	1000	10000	-50.54	PASS
Band 5	5MHz	16QAM	20525	1	0	Low	0.009	0.15	-57.82	PASS
Band 5	5MHz	16QAM	20525	1	0	Low	0.15	30	-61.72	PASS

Band 5	5MHz	16QAM	20525	1	0	Low	30	1000	- 64.06	PASS
Band 5	5MHz	16QAM	20525	1	0	Low	1000	1000 0	- 50.19	PASS
Band 5	5MHz	QPSK	20625	1	5	High	0.00 9	0.15	-60.5	PASS
Band 5	5MHz	QPSK	20625	1	5	High	0.15	30	- 47.91	PASS
Band 5	5MHz	QPSK	20625	1	5	High	30	1000	- 63.14	PASS
Band 5	5MHz	QPSK	20625	1	5	High	1000	1000 0	- 50.48	PASS
Band 5	5MHz	16QAM	20625	1	5	High	0.00 9	0.15	- 58.48	PASS
Band 5	5MHz	16QAM	20625	1	5	High	0.15	30	- 55.26	PASS
Band 5	5MHz	16QAM	20625	1	5	High	30	1000	- 64.42	PASS
Band 5	5MHz	16QAM	20625	1	5	High	1000	1000 0	- 50.55	PASS
Band 5	10MHz	QPSK	20450	1	0	Low	0.00 9	0.15	-60	PASS
Band 5	10MHz	QPSK	20450	1	0	Low	0.15	30	- 50.94	PASS
Band 5	10MHz	QPSK	20450	1	0	Low	30	1000	- 63.82	PASS
Band 5	10MHz	QPSK	20450	1	0	Low	1000	1000 0	- 50.77	PASS
Band 5	10MHz	16QAM	20450	1	0	Low	0.00 9	0.15	- 59.98	PASS
Band 5	10MHz	16QAM	20450	1	0	Low	0.15	30	- 57.29	PASS
Band 5	10MHz	16QAM	20450	1	0	Low	30	1000	-64.4	PASS
Band 5	10MHz	16QAM	20450	1	0	Low	1000	1000 0	- 50.36	PASS
Band 5	10MHz	QPSK	20525	1	0	Low	0.00 9	0.15	- 61.87	PASS
Band 5	10MHz	QPSK	20525	1	0	Low	0.15	30	- 73.72	PASS
Band 5	10MHz	QPSK	20525	1	0	Low	30	1000	- 64.15	PASS
Band 5	10MHz	QPSK	20525	1	0	Low	1000	1000 0	- 50.03	PASS

Band 5	10MHz	16QAM	20525	1	0	Low	0.009	0.15	-58.11	PASS
Band 5	10MHz	16QAM	20525	1	0	Low	0.15	30	-57.96	PASS
Band 5	10MHz	16QAM	20525	1	0	Low	30	1000	-64.52	PASS
Band 5	10MHz	16QAM	20525	1	0	Low	1000	10000	-50.33	PASS
Band 5	10MHz	QPSK	20600	1	5	High	0.009	0.15	-61.03	PASS
Band 5	10MHz	QPSK	20600	1	5	High	0.15	30	-57.18	PASS
Band 5	10MHz	QPSK	20600	1	5	High	30	1000	-63.33	PASS
Band 5	10MHz	QPSK	20600	1	5	High	1000	10000	-50.4	PASS
Band 5	10MHz	16QAM	20600	1	5	High	0.009	0.15	-58.49	PASS
Band 5	10MHz	16QAM	20600	1	5	High	0.15	30	-54.83	PASS
Band 5	10MHz	16QAM	20600	1	5	High	30	1000	-64.15	PASS
Band 5	10MHz	16QAM	20600	1	5	High	1000	10000	-50.47	PASS

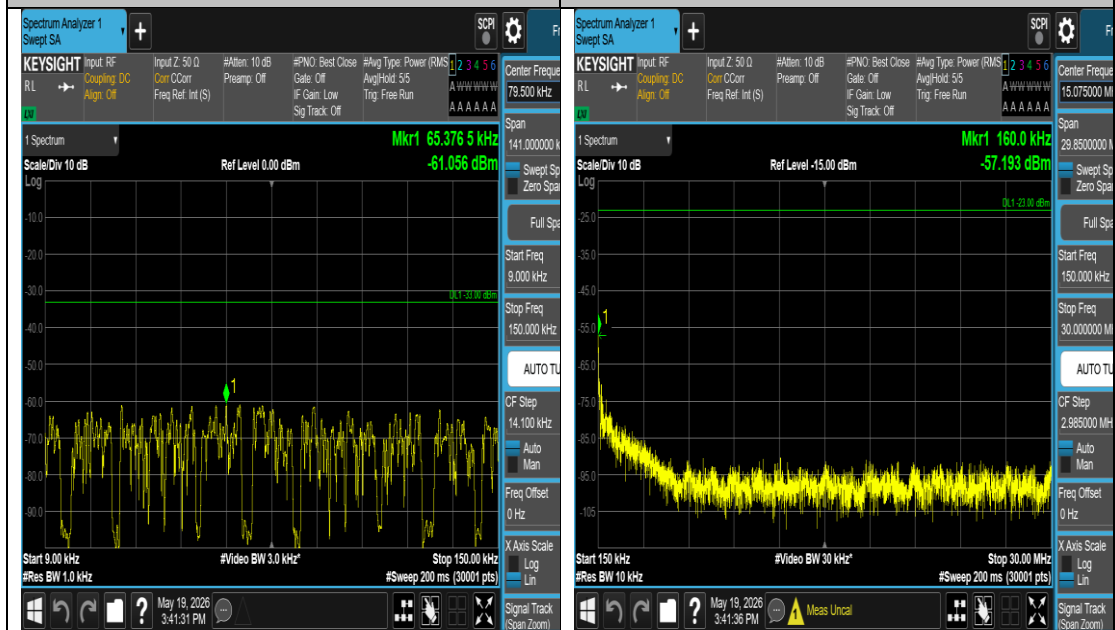
Test Graphs





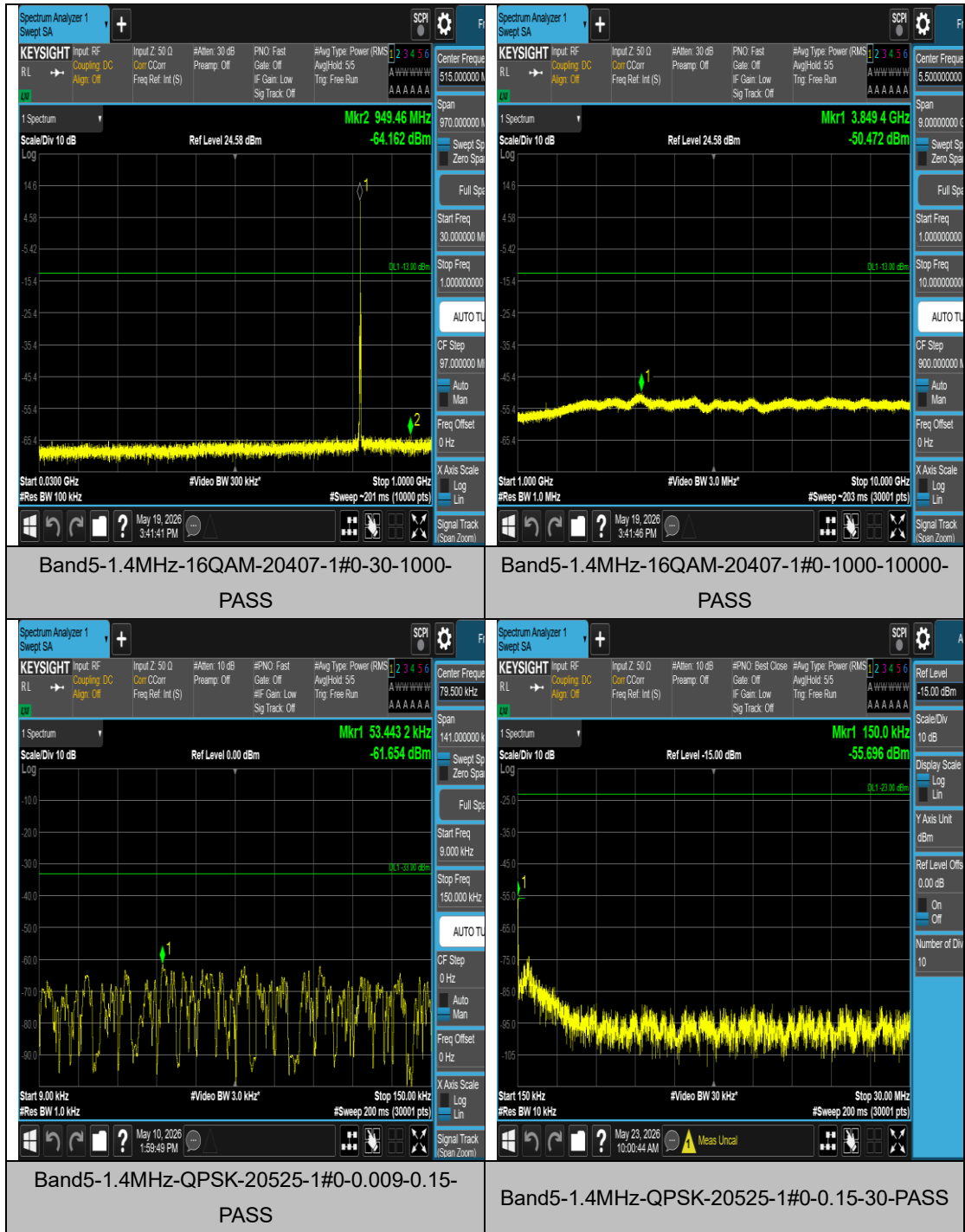
Band5-1.4MHz-QPSK-20407-1#0-30-1000-PASS

Band5-1.4MHz-QPSK-20407-1#0-1000-10000-PASS



Band5-1.4MHz-16QAM-20407-1#0-0.009-0.15-PASS

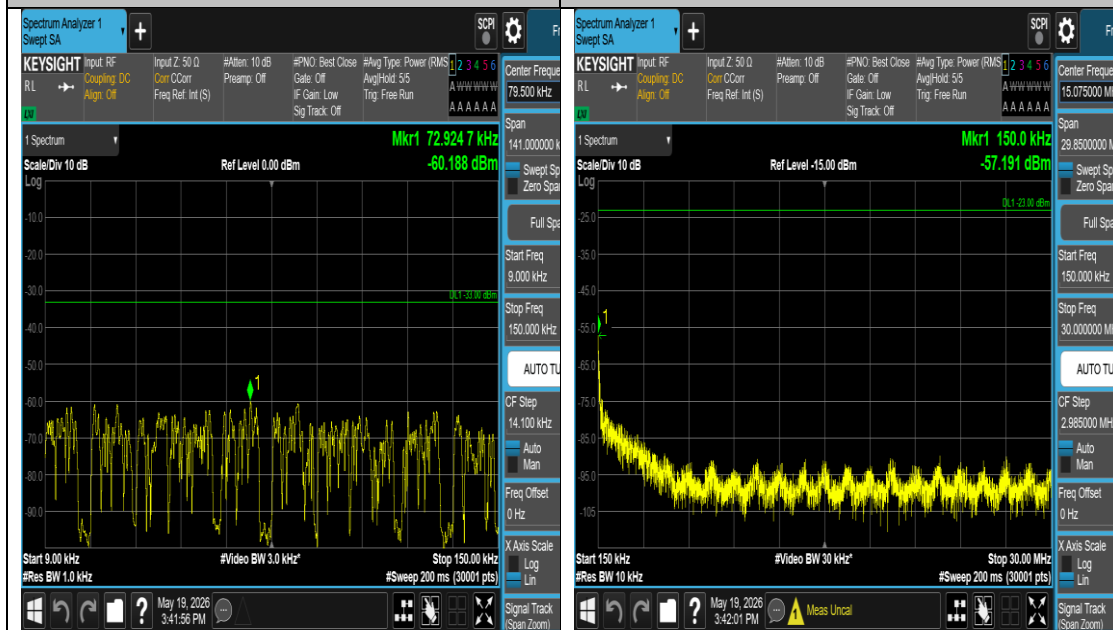
Band5-1.4MHz-16QAM-20407-1#0-0.15-30-PASS





Band5-1.4MHz-QPSK-20525-1#0-30-1000-PASS

Band5-1.4MHz-QPSK-20525-1#0-1000-10000-PASS



Band5-1.4MHz-16QAM-20525-1#0-0.009-0.15-PASS

Band5-1.4MHz-16QAM-20525-1#0-0.15-30-PASS

