

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Gain(dBi)	EIRP/ERP (dBm)	Limit (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.1	2.13	23.08	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.45	2.13	22.43	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.4	2.13	23.38	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.58	2.13	23.56	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.13	2.13	23.11	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.28	2.13	22.26	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.24	2.13	23.22	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.18	2.13	23.16	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.42	2.13	23.4	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.29	2.13	22.27	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.55	2.13	23.53	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.38	2.13	23.36	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.25	2.13	22.23	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.35	2.13	21.33	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.28	2.13	22.26	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.47	2.13	22.45	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.56	2.13	22.54	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.51	2.13	21.49	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.51	2.13	22.49	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.17	2.13	22.15	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.32	2.13	22.3	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.31	2.13	21.29	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.46	2.13	22.44	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.31	2.13	22.29	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.32	2.13	23.3	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.41	2.13	22.39	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.34	2.13	23.32	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.45	2.13	23.43	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.48	2.13	23.46	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.37	2.13	22.35	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.44	2.13	23.42	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.37	2.13	23.35	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.27	2.13	23.25	38.45	PASS

Band5	3MHz	QPSK	20635	15RB#0	22.37	2.13	22.35	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.19	2.13	23.17	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.14	2.13	23.12	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.27	2.13	22.25	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.45	2.13	21.43	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.52	2.13	22.5	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.52	2.13	22.5	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.18	2.13	22.16	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.24	2.13	21.22	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.16	2.13	22.14	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.16	2.13	22.14	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.31	2.13	22.29	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.14	2.13	21.12	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.15	2.13	22.13	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.42	2.13	22.4	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.29	2.13	23.27	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.37	2.13	22.35	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.28	2.13	23.26	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.39	2.13	23.37	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.41	2.13	23.39	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.39	2.13	22.37	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.51	2.13	23.49	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.47	2.13	23.45	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.03	2.13	23.01	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.24	2.13	22.22	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.41	2.13	23.39	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.07	2.13	23.05	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.22	2.13	22.2	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.53	2.13	21.51	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.22	2.13	22.2	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.24	2.13	22.22	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.23	2.13	22.21	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.32	2.13	21.3	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.45	2.13	22.43	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.49	2.13	22.47	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.79	2.13	21.77	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.21	2.13	21.19	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.03	2.13	22.01	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.18	2.13	22.16	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.16	2.13	23.14	38.45	PASS

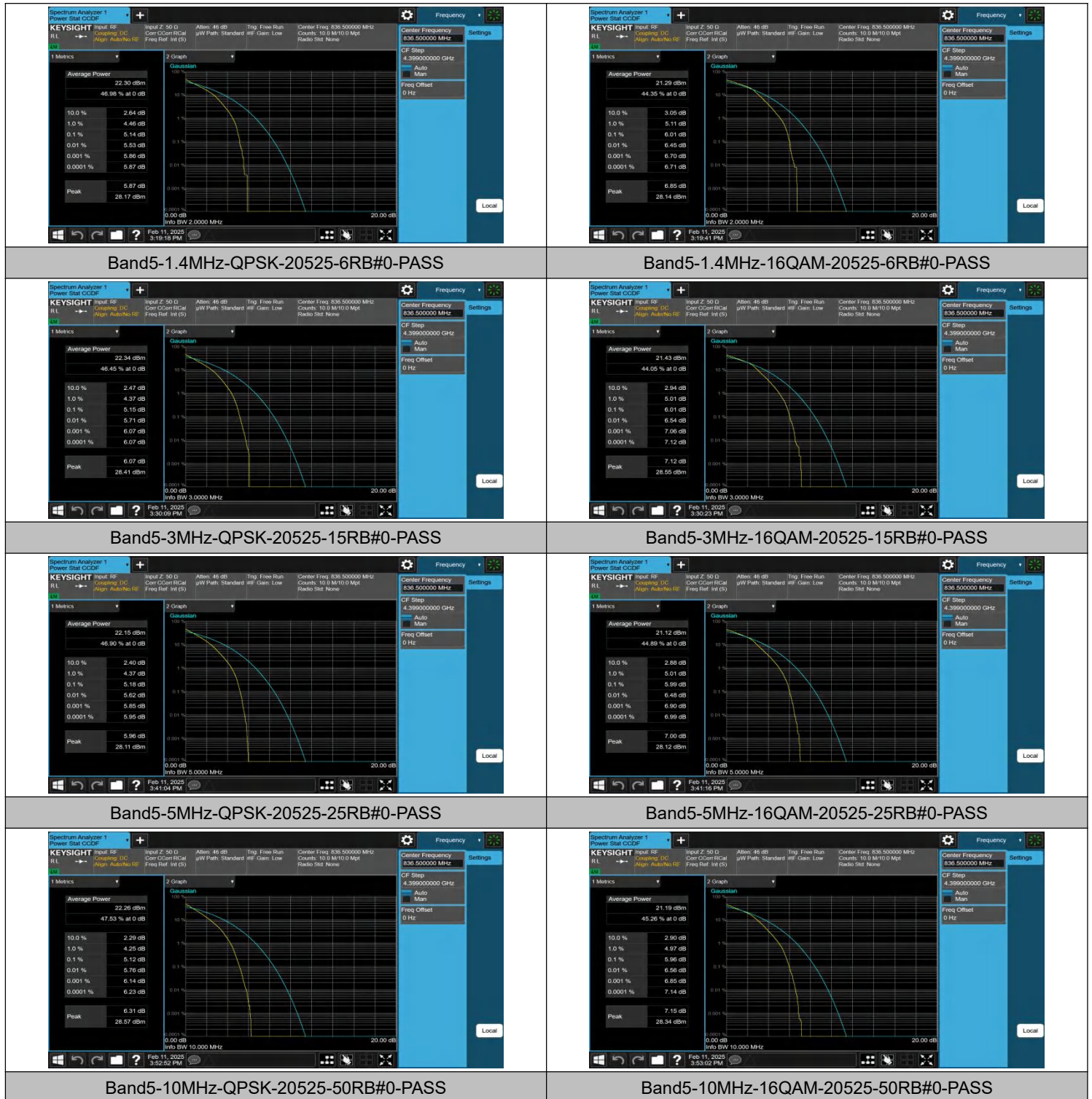
Band5	10MHz	QPSK	20450	25RB#0	22.44	2.13	22.42	38.45	PASS
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Band5	10MHz	QPSK	20450	1RB#24	23.37	2.13	23.35	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.27	2.13	23.25	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.19	2.13	23.17	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.4	2.13	22.38	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.33	2.13	22.31	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.65	2.13	23.63	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.22	2.13	23.2	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.26	2.13	23.24	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.35	2.13	22.33	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.27	2.13	22.25	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.54	2.13	23.52	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.35	2.13	23.33	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.47	2.13	22.45	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.46	2.13	21.44	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.22	2.13	21.2	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.72	2.13	22.7	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.25	2.13	22.23	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.11	2.13	22.09	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.34	2.13	21.32	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.32	2.13	21.3	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.64	2.13	22.62	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.22	2.13	22.2	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.44	2.13	22.42	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.14	2.13	21.12	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.24	2.13	21.22	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.18	2.13	23.16	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.4	2.13	22.38	38.45	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20525	6RB#0	5.14	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.01	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.15	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.01	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.18	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.99	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.12	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.96	13	PASS

Test Graphs

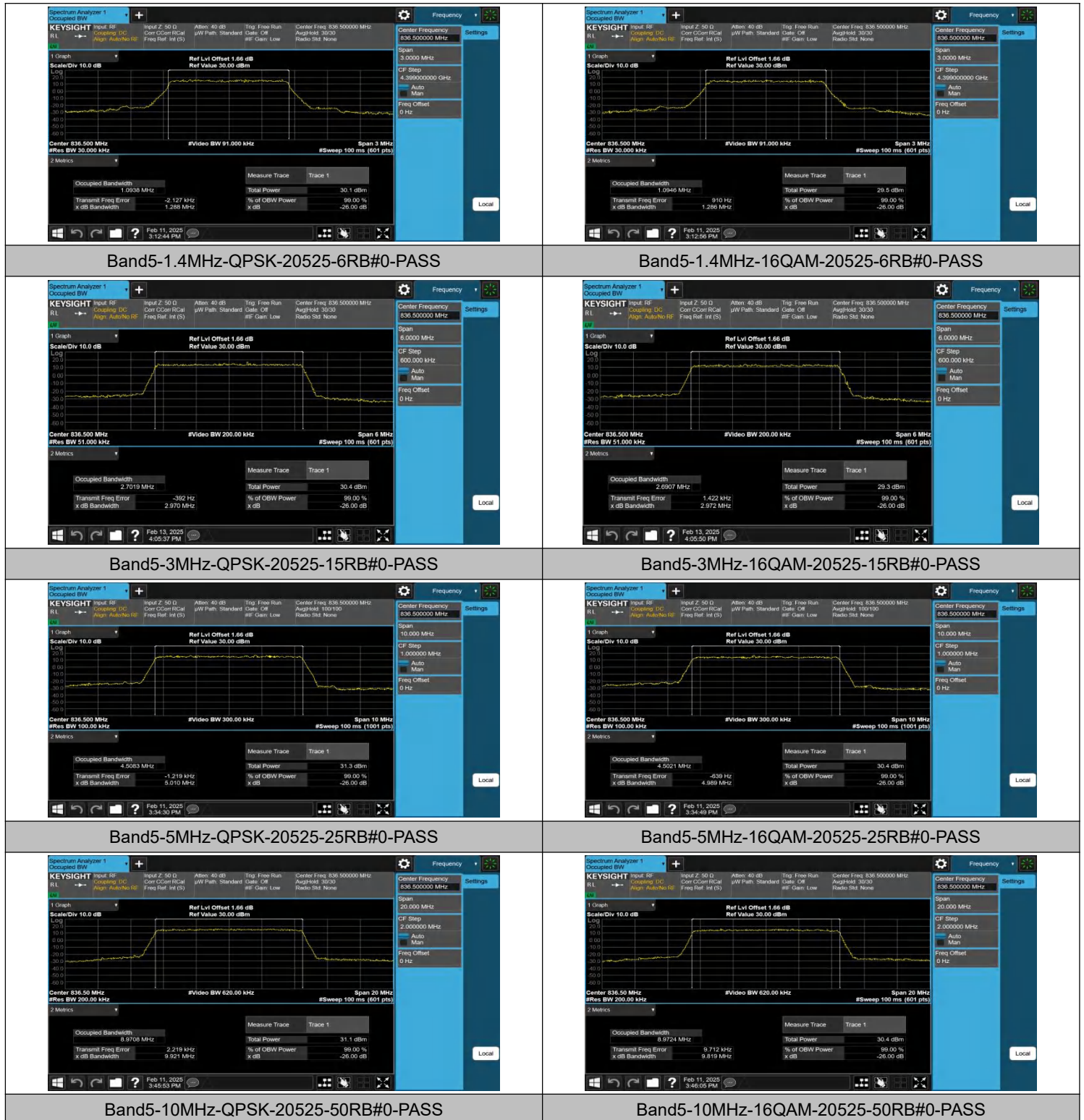


26dB Bandwidth and Occupied Bandwidth

Test Result

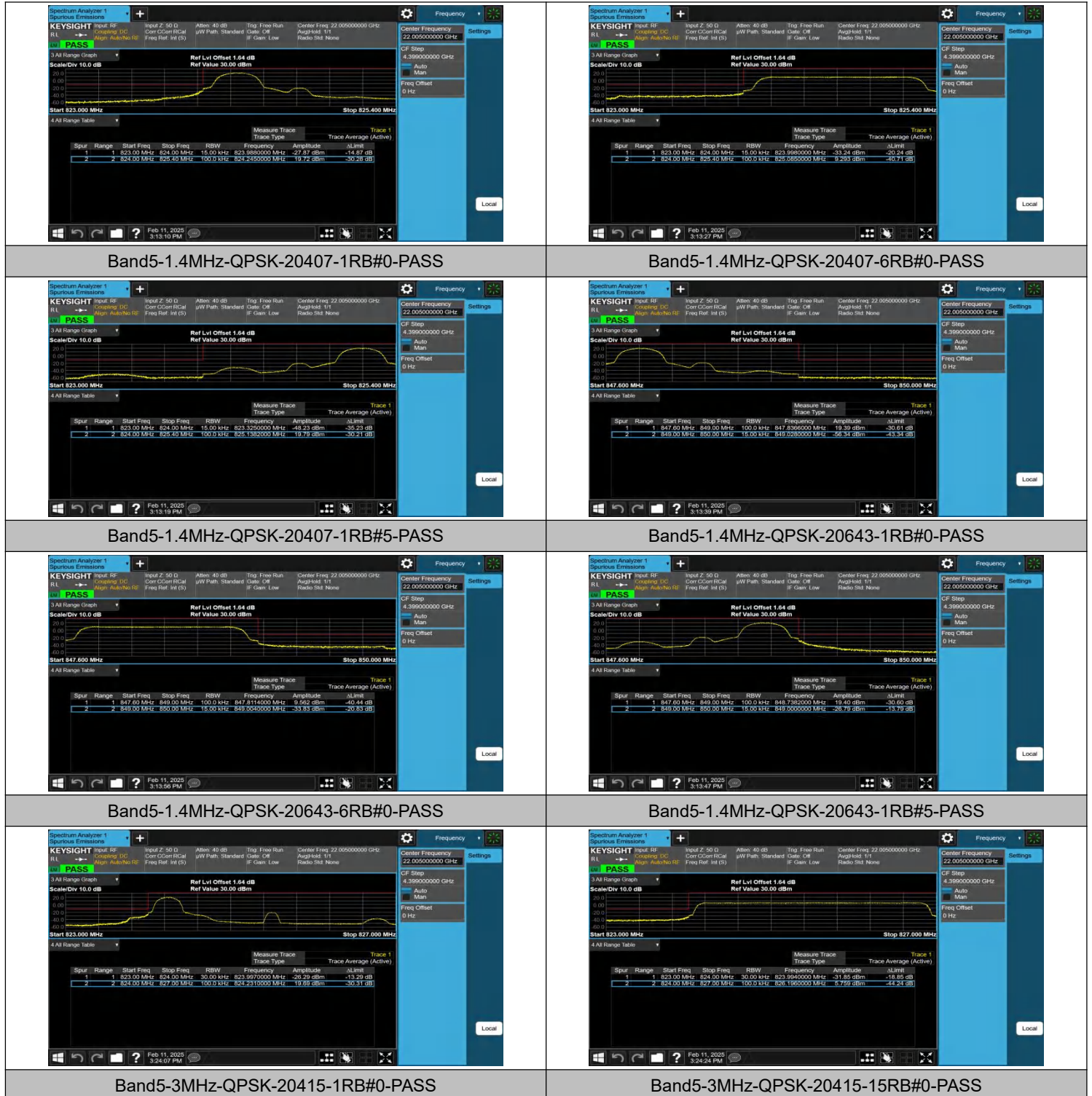
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20525	6RB#0	1.0938	1.288	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0946	1.286	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7019	2.970	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6907	2.972	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5083	5.010	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5021	4.989	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9708	9.921	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9724	9.819	PASS

Test Graphs



Band Edge

Test Graphs

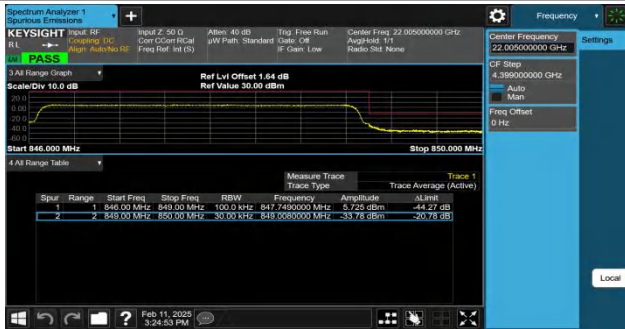




Band5-3MHz-QPSK-20415-1RB#14-PASS



Band5-3MHz-QPSK-20635-1RB#0-PASS



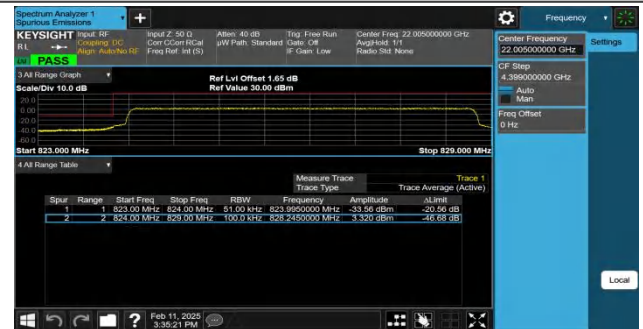
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Band5-3MHz-QPSK-20635-1RB#14-PASS



Band5-5MHz-QPSK-20425-1RB#0-PASS



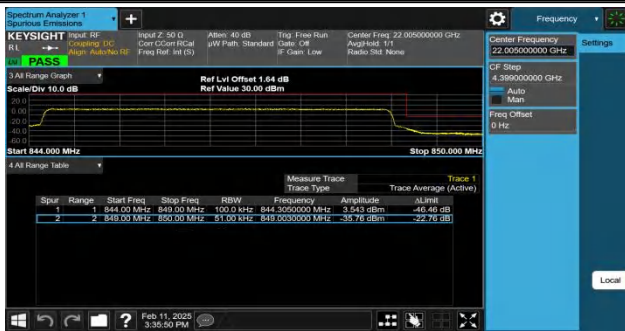
Band5-5MHz-QPSK-20625-1RB#14-PASS



Band5-5MHz-QPSK-20425-1RB#24-PASS



Band5-5MHz-QPSK-20625-1RB#0-PASS



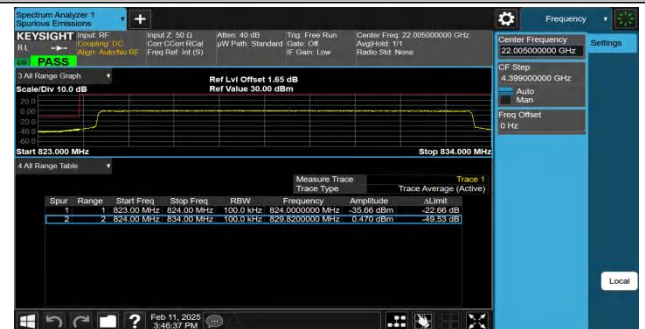
Band5-5MHz-QPSK-20625-25RB#0-PASS



Band5-5MHz-QPSK-20625-1RB#24-PASS



Band5-10MHz-QPSK-20450-1RB#0-PASS



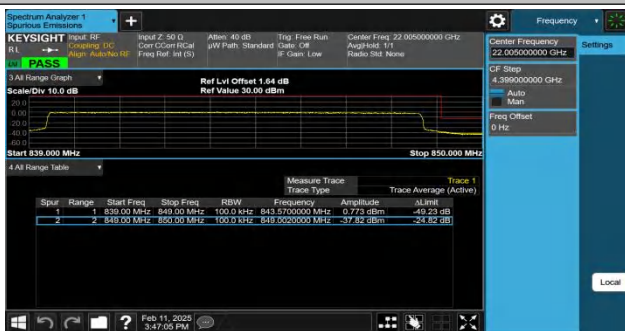
Band5-10MHz-QPSK-20450-50RB#0-PASS



Band5-10MHz-QPSK-20450-1RB#49-PASS



Band5-10MHz-QPSK-20600-1RB#0-PASS



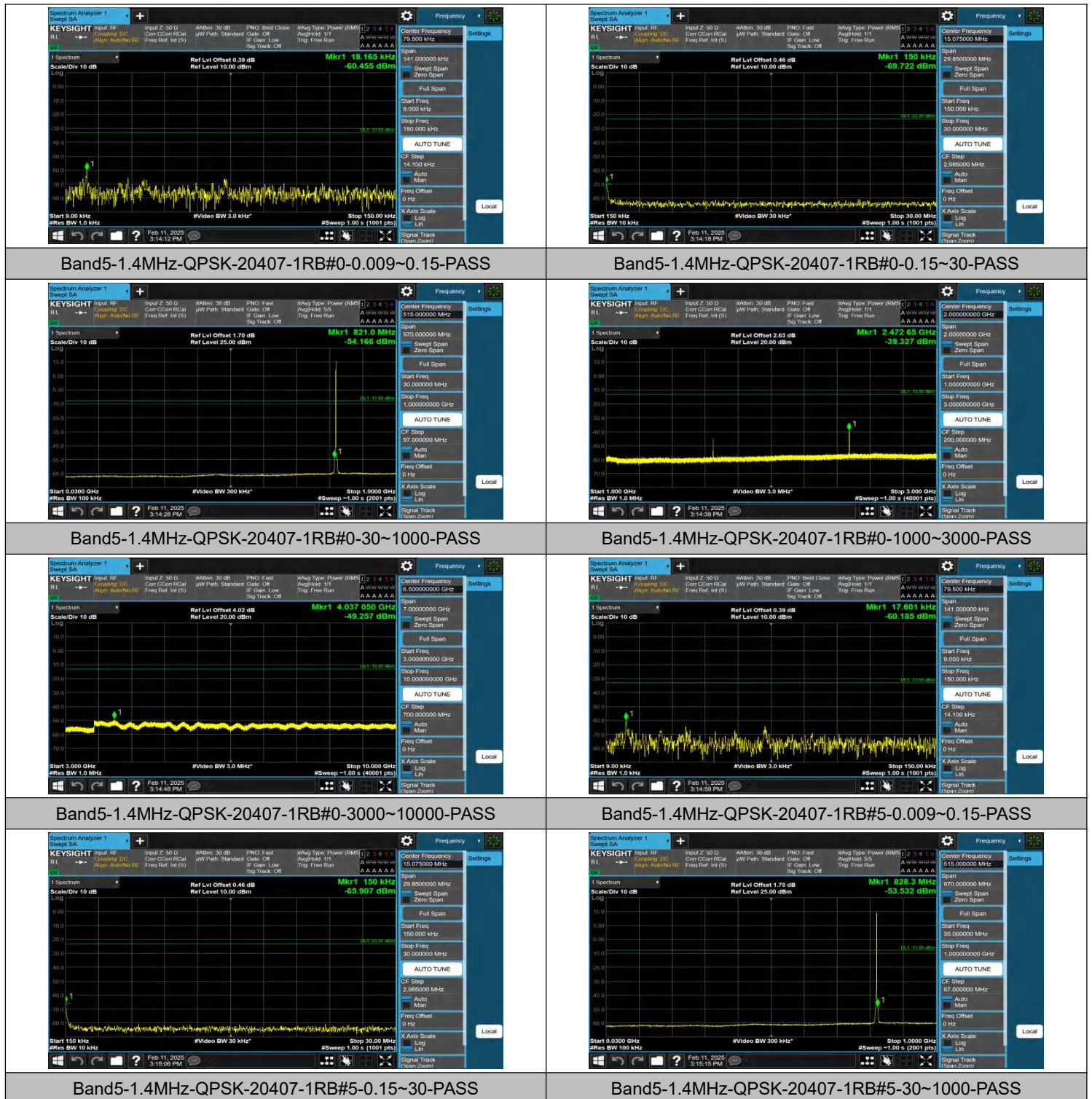
Band5-10MHz-QPSK-20600-50RB#0-PASS

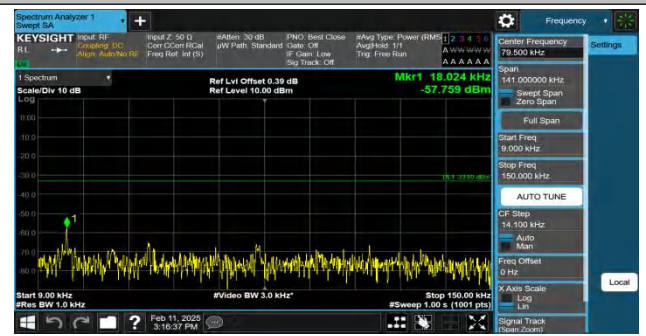
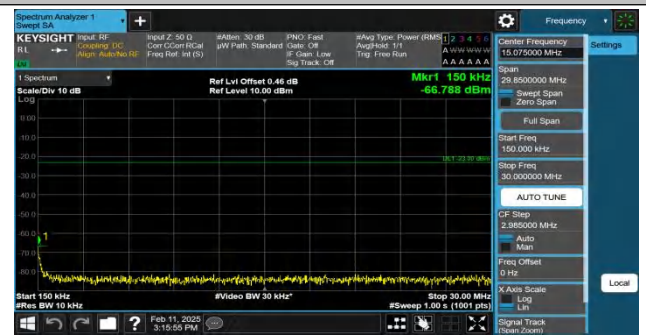
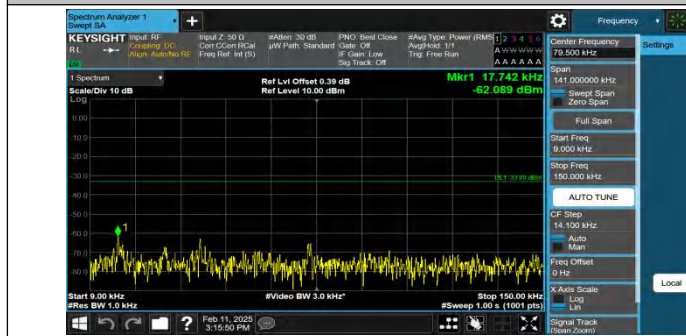


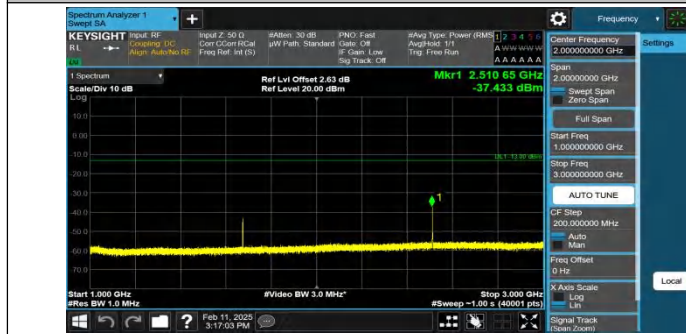
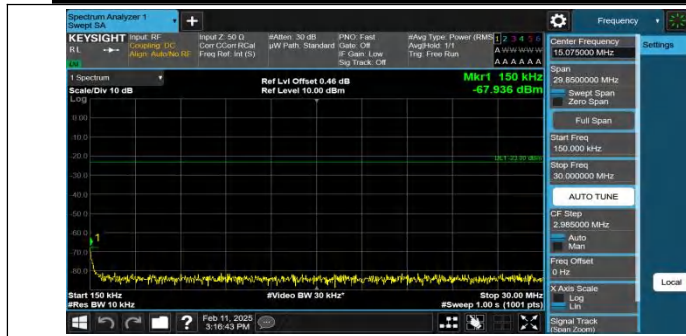
Band5-10MHz-QPSK-20600-1RB#49-PASS

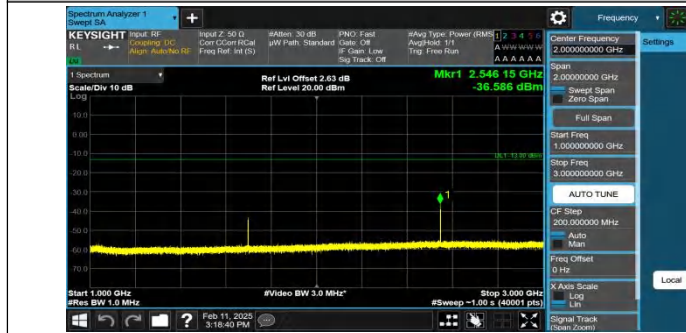
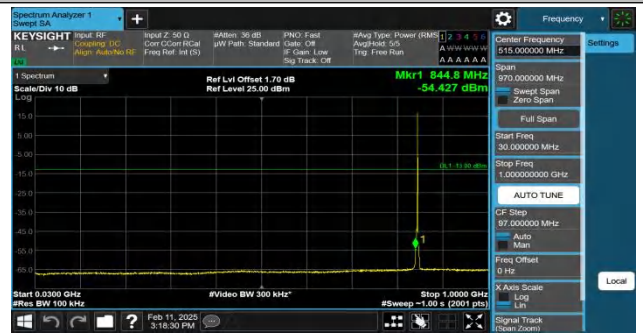
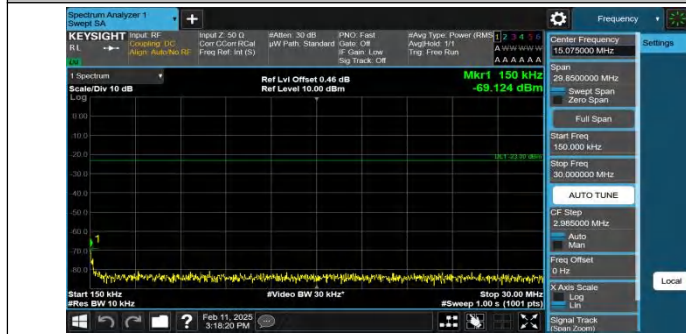
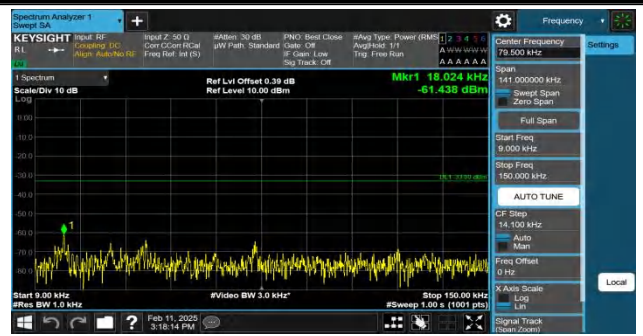
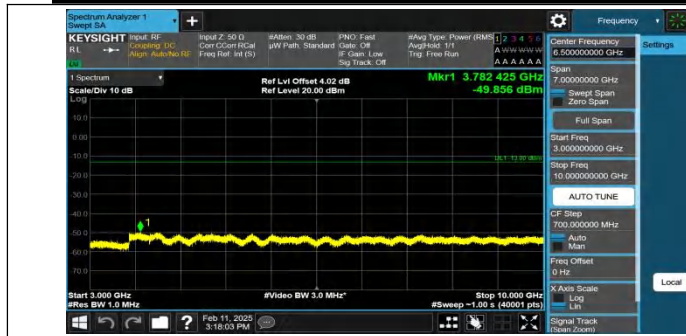
Conducted Spurious Emission

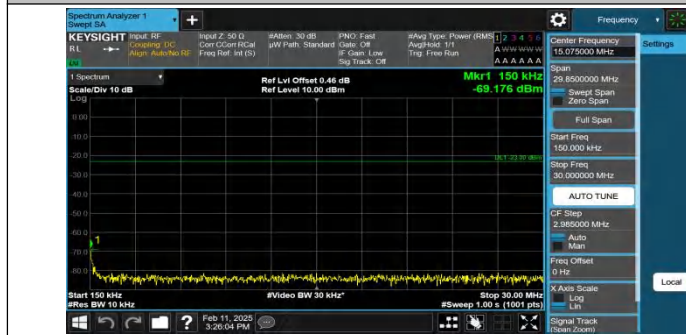
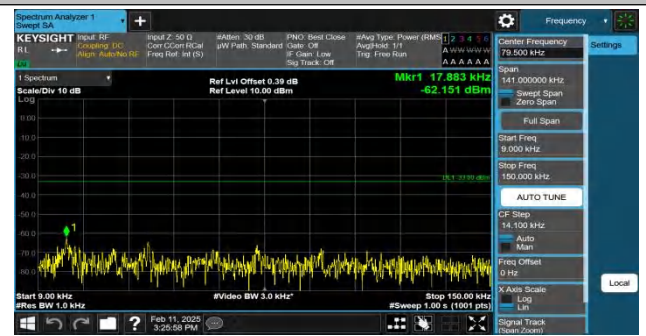
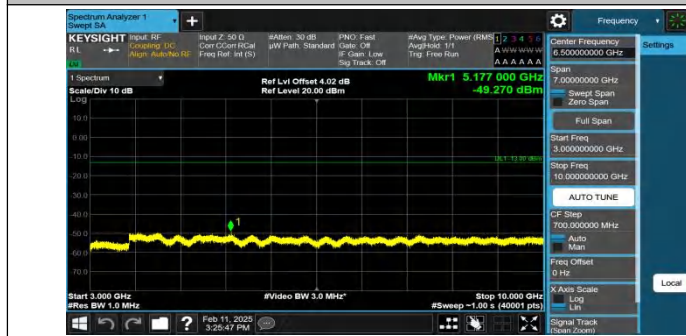
Test Graphs

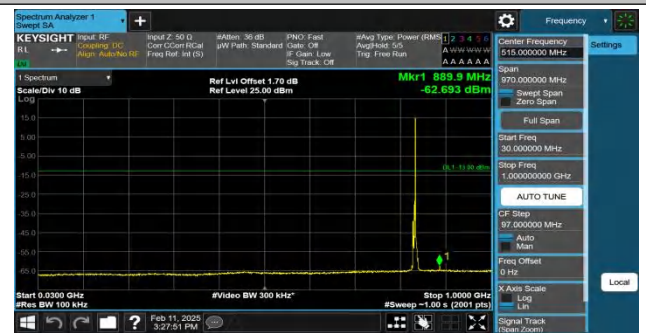
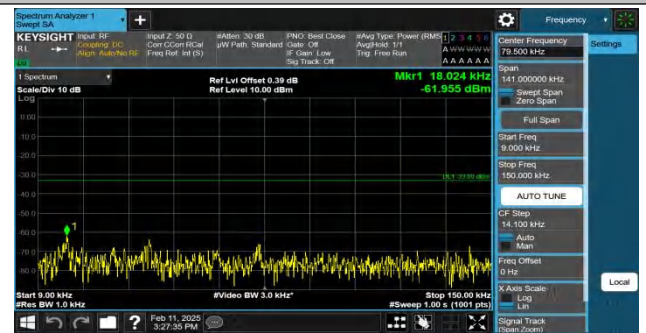
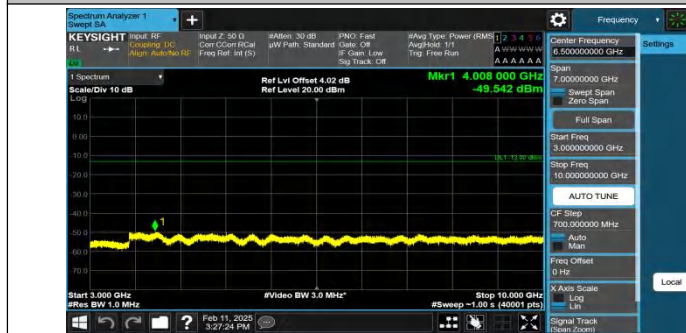
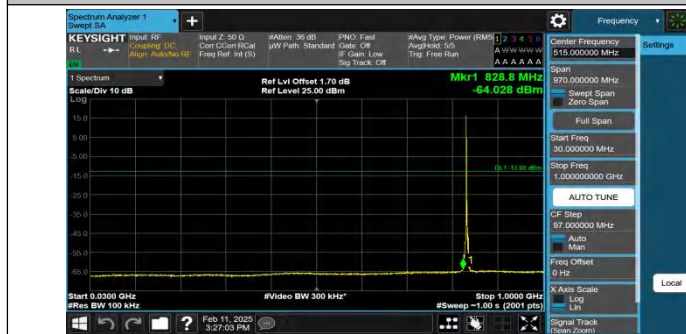


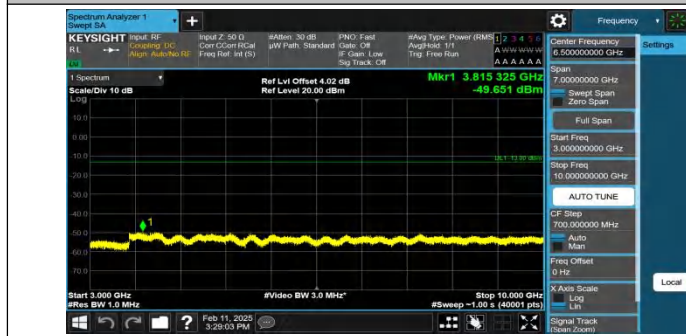
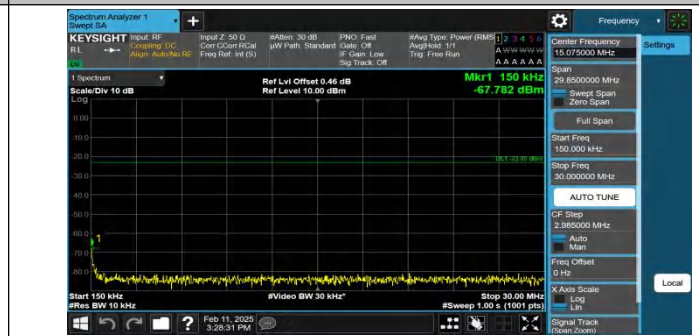
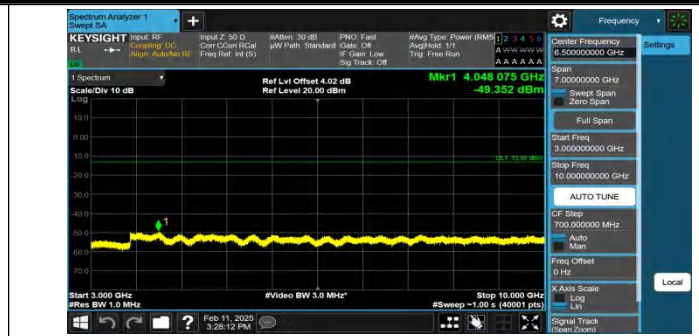
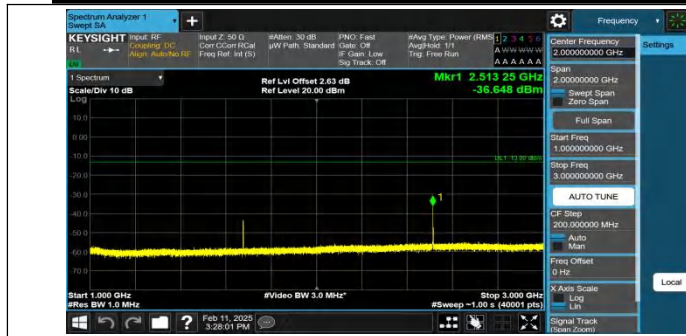


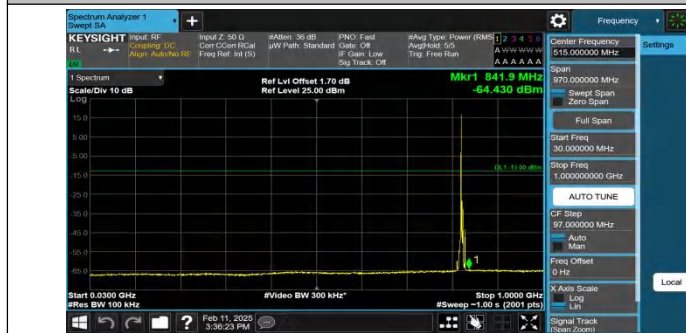
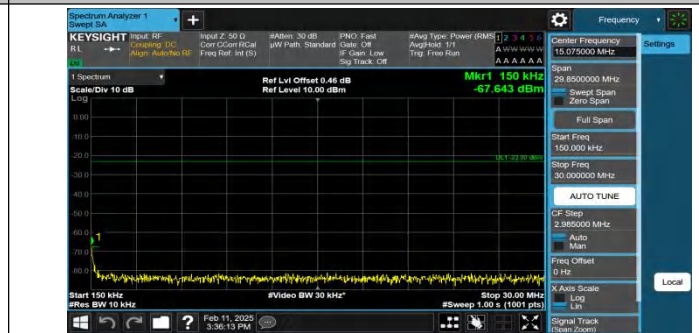
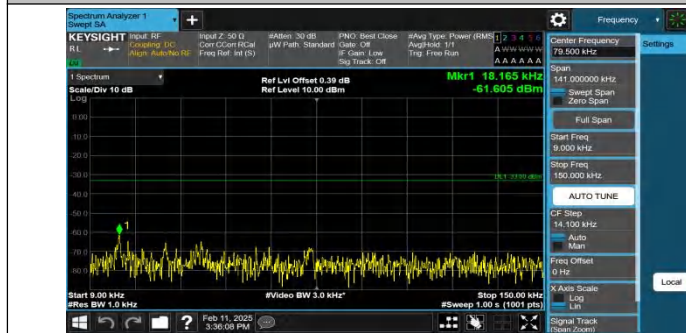
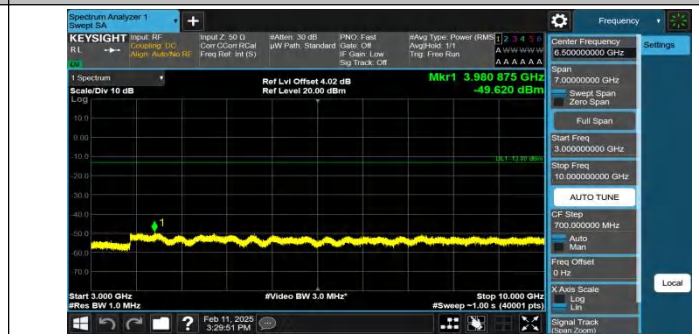


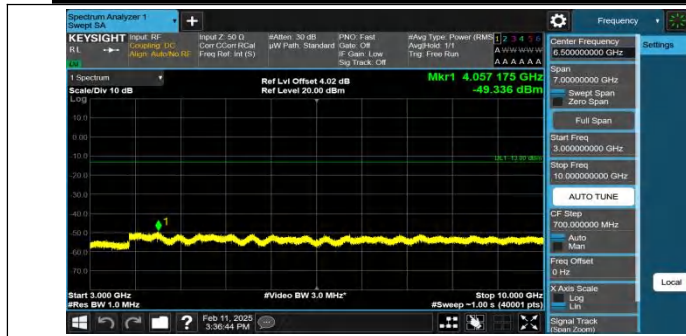




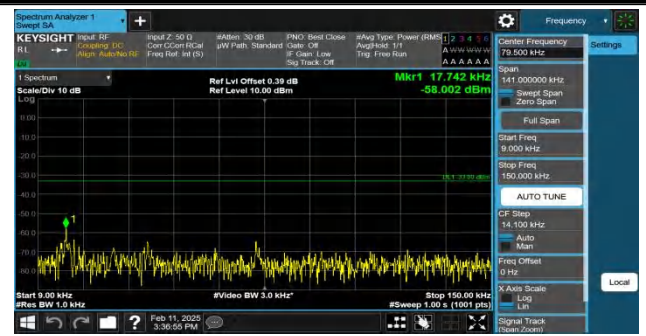




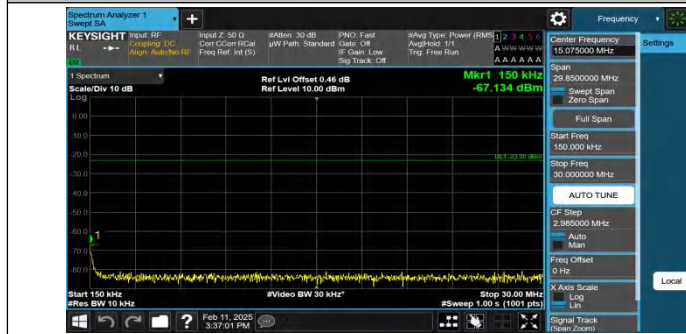




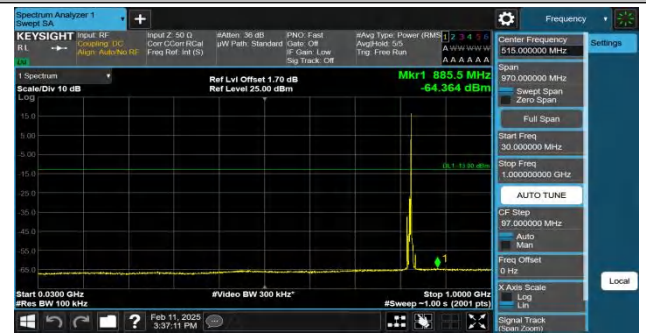
Band5-5MHz-QPSK-20425-1RB#0-3000~10000-PASS



Band5-5MHz-QPSK-20425-1RB#24-0.009~0.15-PASS



Band5-5MHz-QPSK-20425-1RB#24-0.15~30-PASS



Band5-5MHz-QPSK-20425-1RB#24-30~1000-PASS



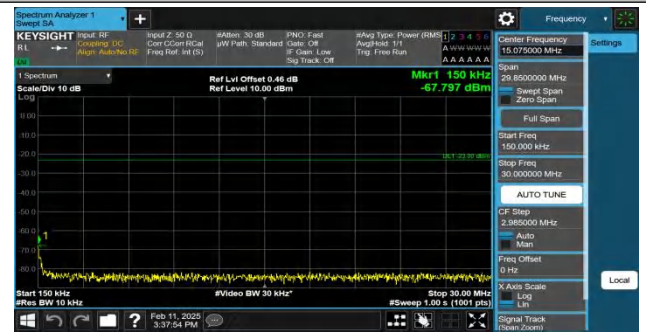
Band5-5MHz-QPSK-20425-1RB#24-1000~3000-PASS



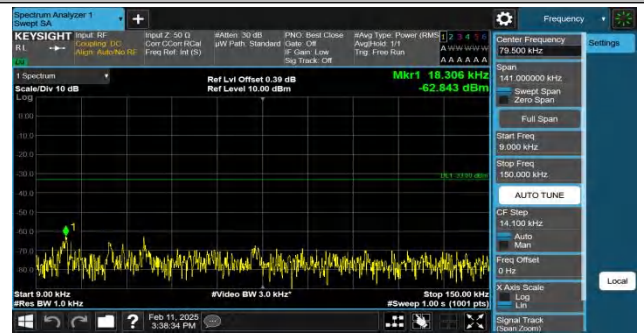
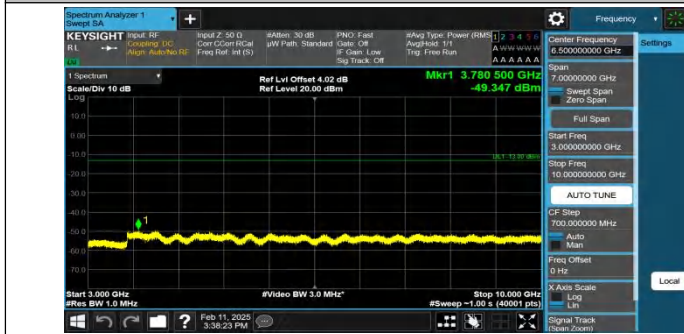
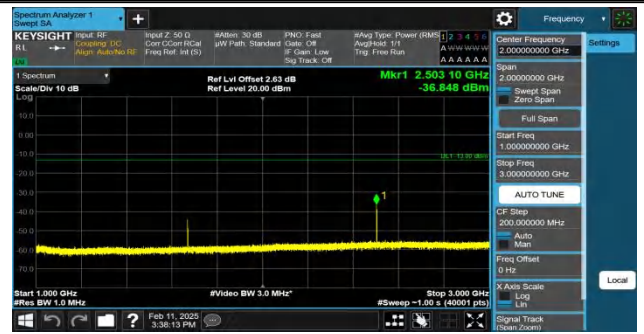
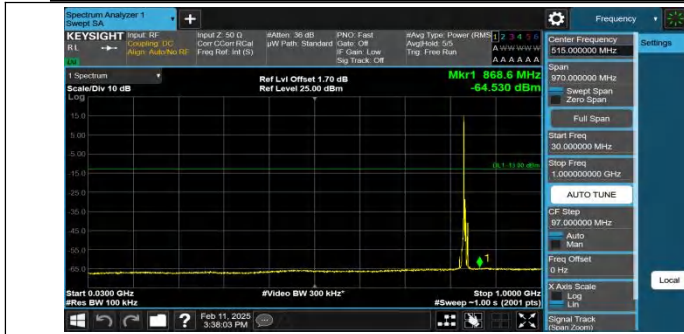
Band5-5MHz-QPSK-20425-1RB#24-3000~10000-PASS

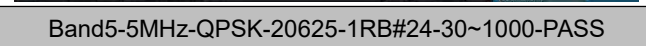
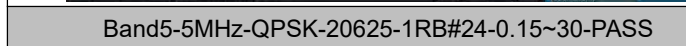
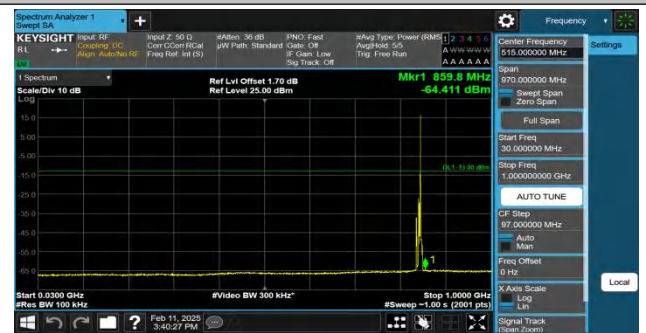
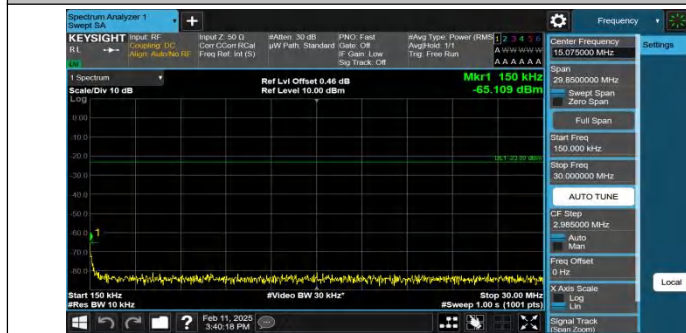
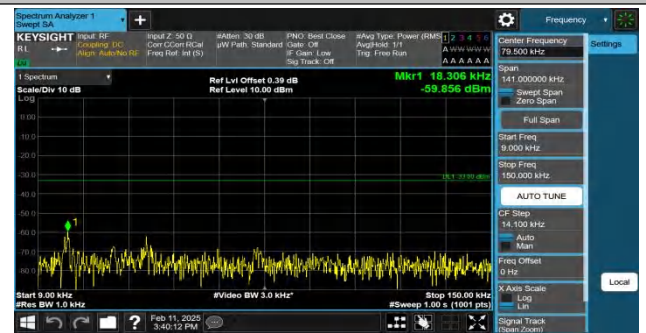
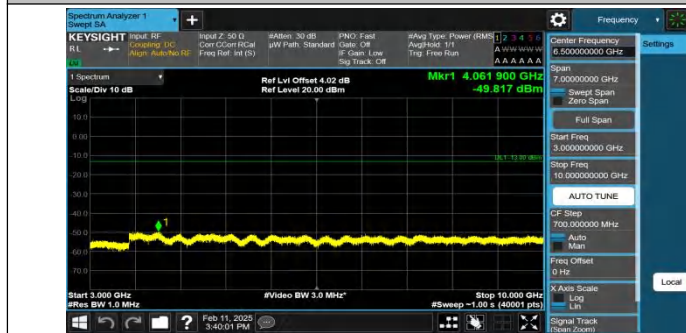
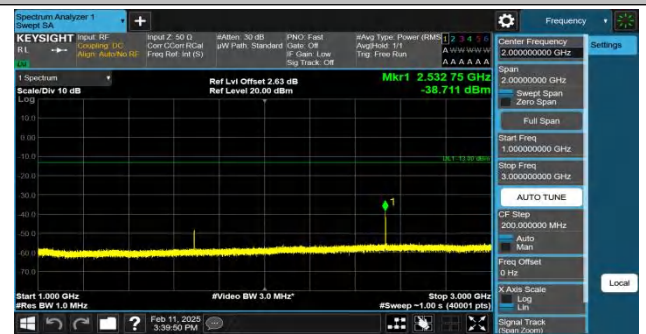
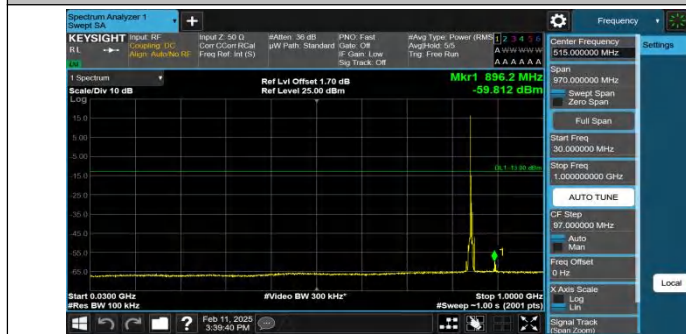
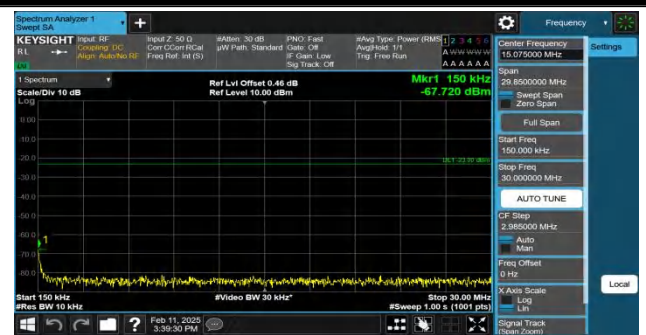


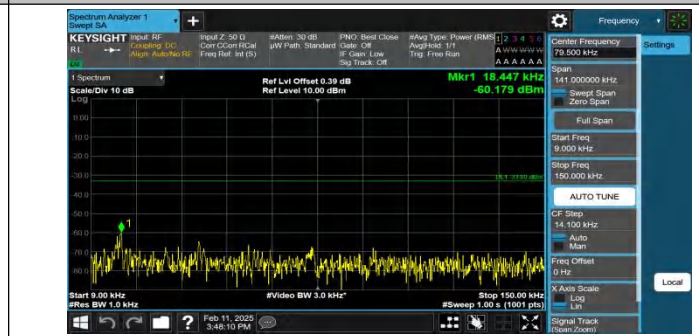
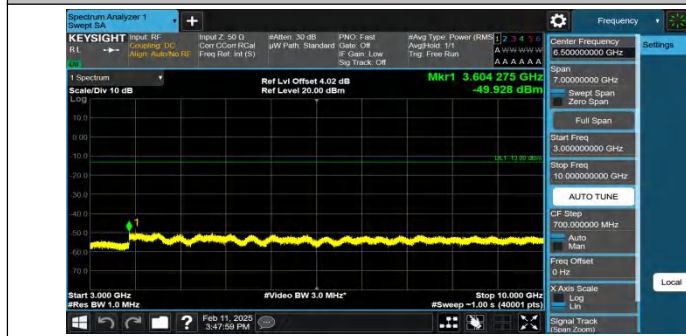
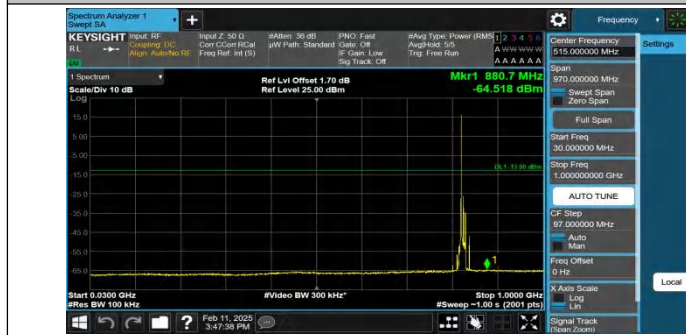
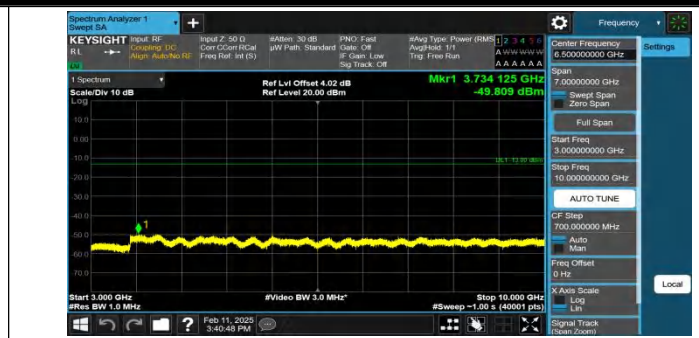
Band5-5MHz-QPSK-20525-1RB#0-0.009~0.15-PASS

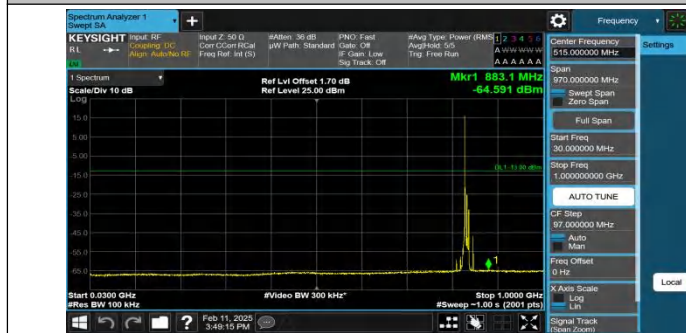


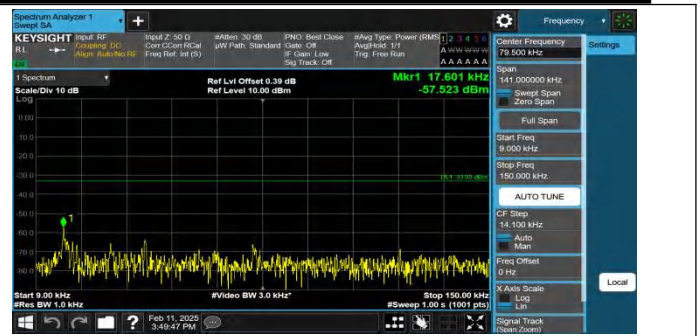
Band5-5MHz-QPSK-20525-1RB#0-0.15~30-PASS

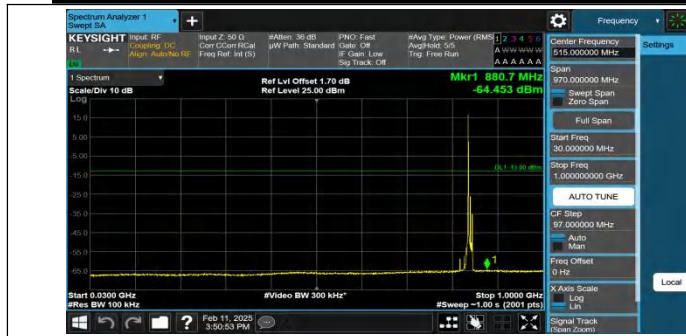












Band5-10MHz-QPSK-20600-1RB#0-30~1000-PASS



Band5-10MHz-QPSK-20600-1RB#0-1000~3000-PASS



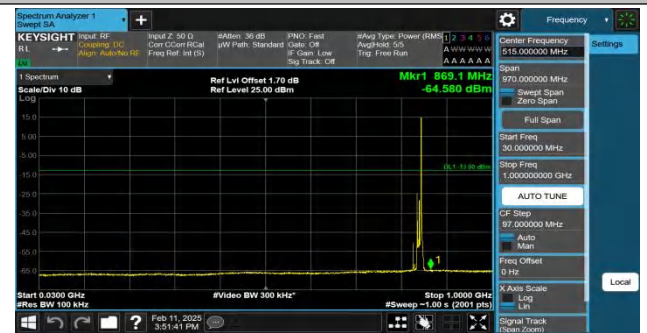
Band5-10MHz-QPSK-20600-1RB#0-3000~10000-PASS



Band5-10MHz-QPSK-20600-1RB#49-0.009~0.15-PASS



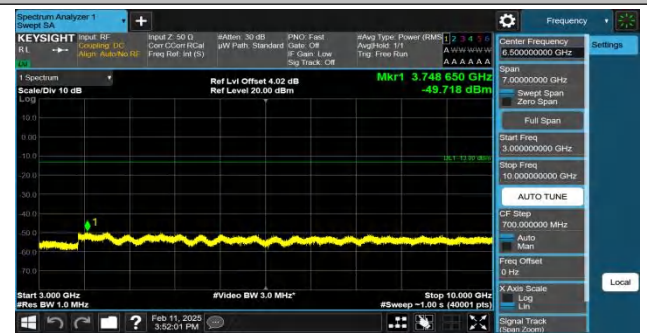
Band5-10MHz-QPSK-20600-1RB#49-0.15~30-PASS



Band5-10MHz-QPSK-20600-1RB#49-30~1000-PASS



Band5-10MHz-QPSK-20600-1RB#49-1000~3000-PASS



Band5-10MHz-QPSK-20600-1RB#49-3000~10000-PASS

Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-2.75	-0.003288	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-2.01	-0.002403	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-2.47	-0.002953	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	4.79	0.005726	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	1.73	0.002068	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	2.00	0.002391	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-2.58	-0.003084	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-2.23	-0.002666	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-2.12	-0.002534	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	2.86	0.003419	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-3.05	-0.003646	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-2.35	-0.002809	±2.5	PASS

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