

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	2.1	23.05	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.22	2.1	22.17	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.96	2.1	22.91	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.05	2.1	23	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.07	2.1	23.02	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.55	2.1	22.5	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.26	2.1	23.21	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.14	2.1	23.09	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.95	2.1	22.9	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.42	2.1	22.37	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.27	2.1	23.22	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.17	2.1	23.12	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.27	2.1	22.22	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.13	2.1	21.08	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.09	2.1	22.04	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.27	2.1	22.22	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.16	2.1	23.11	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.6	2.1	21.55	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.04	2.1	22.99	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23	2.1	22.95	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.41	2.1	22.36	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.56	2.1	21.51	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.49	2.1	22.44	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.49	2.1	22.44	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.07	2.1	23.02	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.57	2.1	22.52	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.98	2.1	22.93	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.04	2.1	22.99	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.02	2.1	22.97	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.55	2.1	22.5	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.1	2.1	23.05	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.14	2.1	23.09	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.92	2.1	22.87	38.45	PASS

Band5	3MHz	QPSK	20635	15RB#0	22.62	2.1	22.57	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.87	2.1	22.82	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.11	2.1	23.06	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.52	2.1	22.47	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.45	2.1	21.4	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.37	2.1	22.32	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.29	2.1	22.24	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.11	2.1	22.06	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.42	2.1	21.37	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.58	2.1	22.53	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.32	2.1	22.27	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.31	2.1	22.26	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.58	2.1	21.53	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.35	2.1	22.3	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.38	2.1	22.33	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.31	2.1	23.26	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.35	2.1	22.3	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.98	2.1	22.93	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.13	2.1	23.08	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.32	2.1	23.27	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.56	2.1	22.51	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.39	2.1	23.34	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.15	2.1	23.1	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.98	2.1	22.93	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.39	2.1	22.34	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.21	2.1	23.16	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.88	2.1	22.83	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.06	2.1	22.01	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.27	2.1	21.22	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.76	2.1	22.71	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.81	2.1	21.76	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.51	2.1	22.46	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.49	2.1	21.44	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.49	2.1	22.44	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.55	2.1	22.5	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.37	2.1	22.32	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.45	2.1	21.4	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.22	2.1	22.17	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.96	2.1	21.91	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.97	2.1	22.92	38.45	PASS

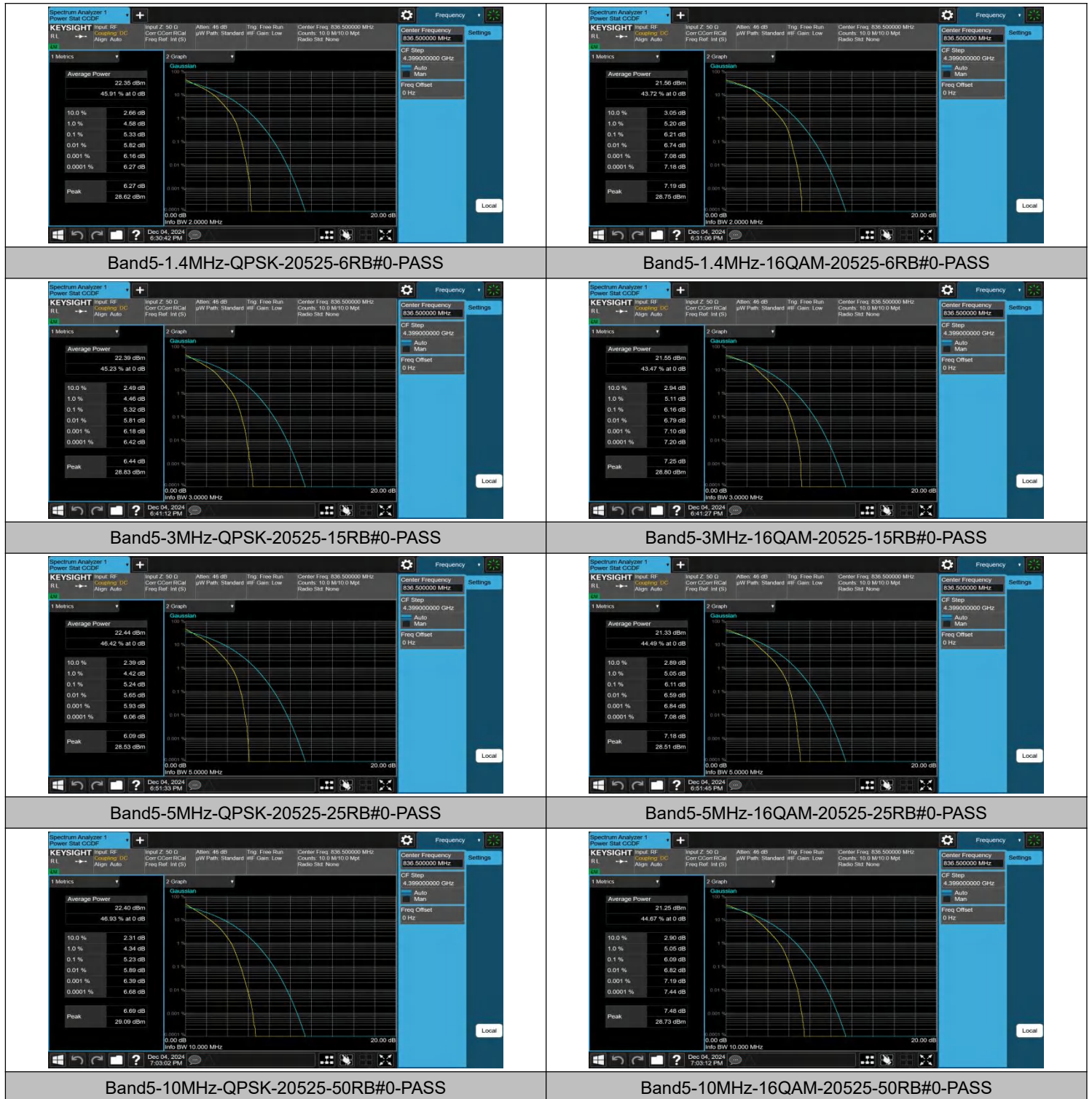
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Band5	10MHz	QPSK	20450	1RB#24	23.15	2.1	23.1	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.82	2.1	22.77	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.84	2.1	22.79	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.56	2.1	22.51	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.53	2.1	22.48	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.55	2.1	23.5	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.99	2.1	22.94	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.03	2.1	22.98	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.52	2.1	22.47	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.48	2.1	22.43	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.5	2.1	23.45	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.11	2.1	23.06	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.36	2.1	22.31	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.33	2.1	21.28	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.36	2.1	21.31	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.62	2.1	22.57	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.52	2.1	22.47	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.06	2.1	22.01	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.51	2.1	21.46	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.49	2.1	21.44	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.82	2.1	22.77	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.48	2.1	22.43	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.68	2.1	22.63	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.5	2.1	21.45	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.54	2.1	21.49	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.98	2.1	22.93	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.68	2.1	22.63	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	5.33	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.21	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.32	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.16	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.24	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.11	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.23	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.09	13	PASS

Test Graphs

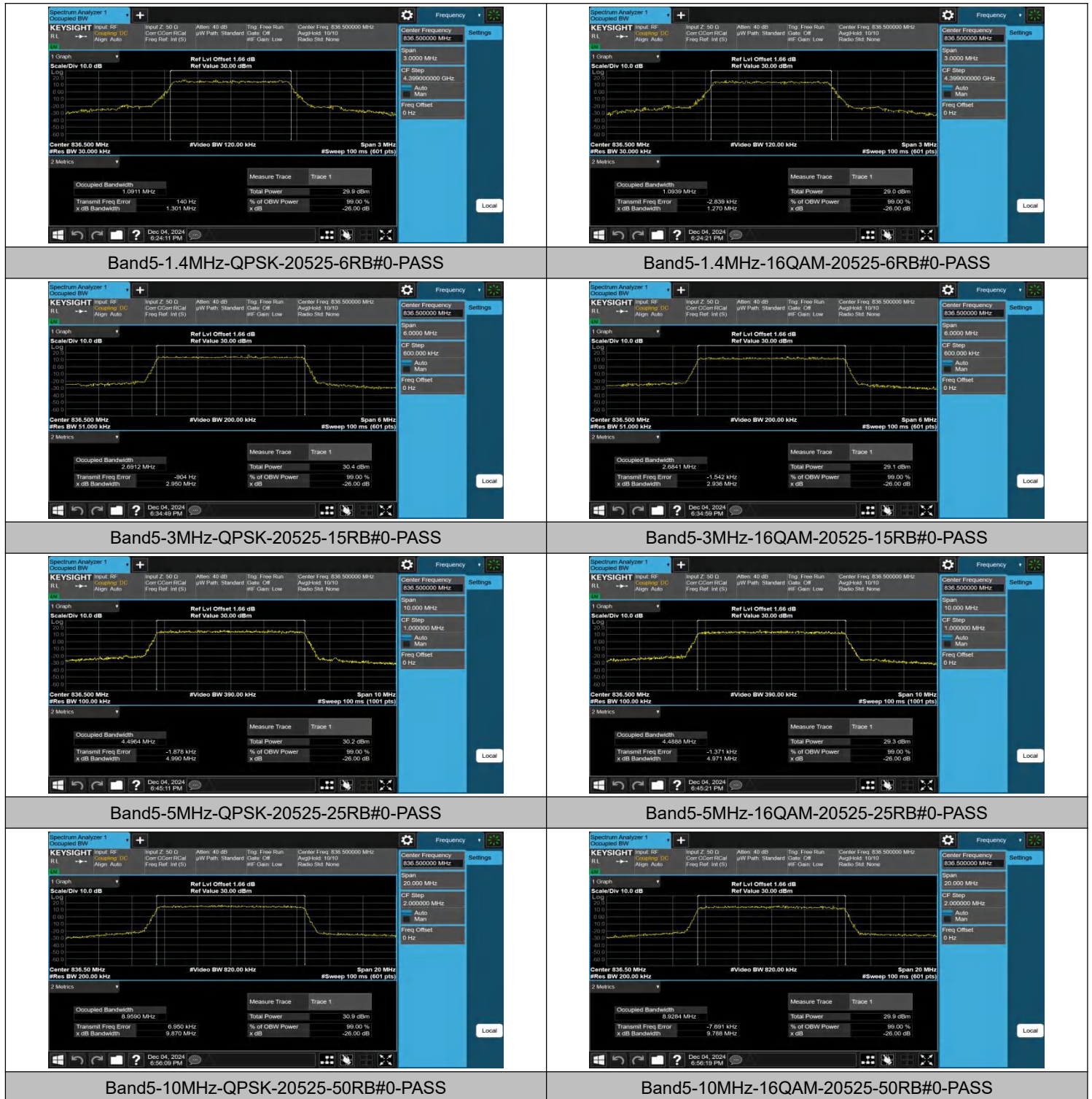


26dB Bandwidth and Occupied Bandwidth

Test Result

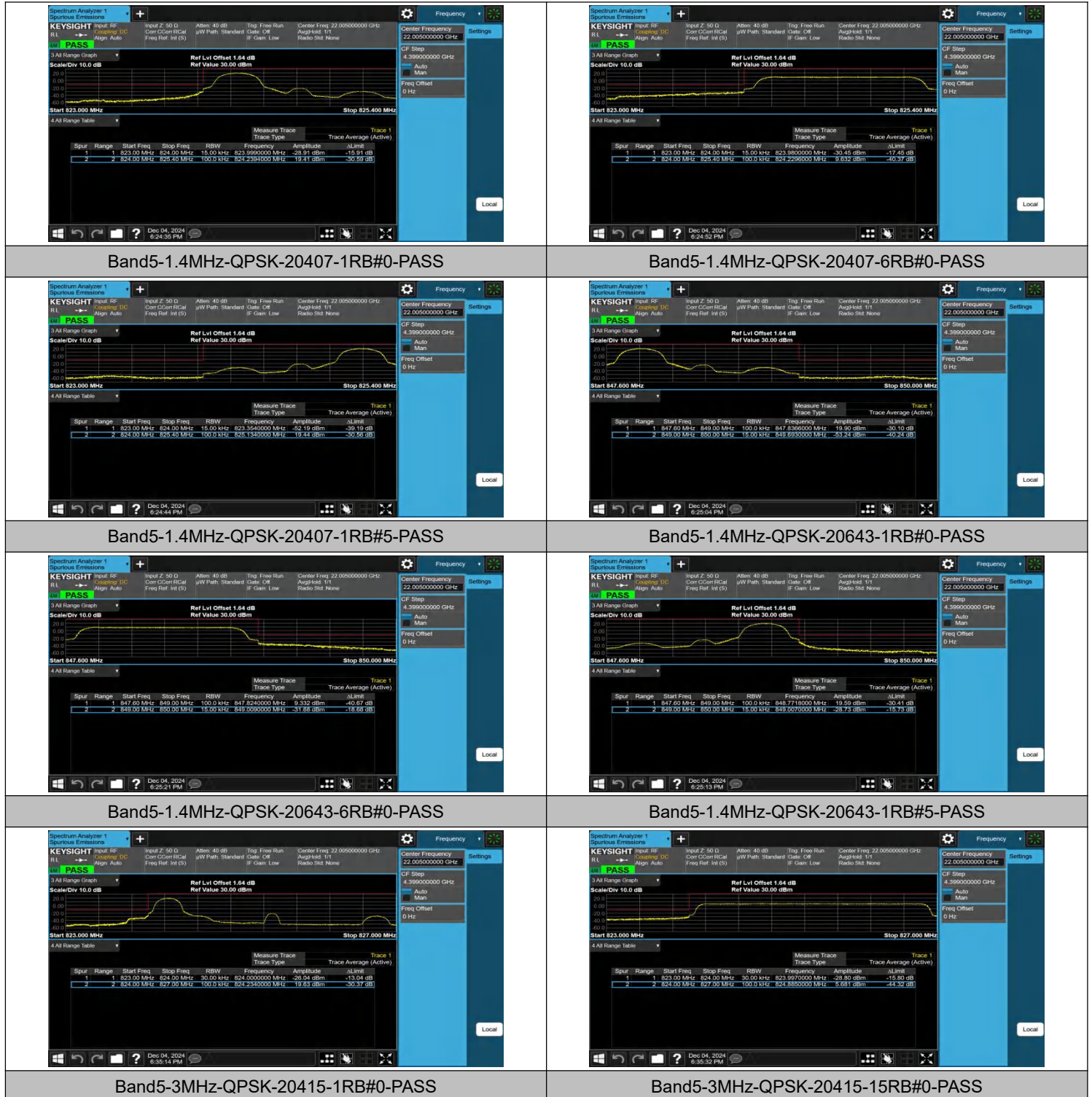
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20525	6RB#0	1.0911	1.301	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0939	1.270	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6912	2.950	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6841	2.936	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4964	4.990	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4888	4.971	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9590	9.870	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9284	9.788	PASS

Test Graphs



Band Edge

Test Graphs

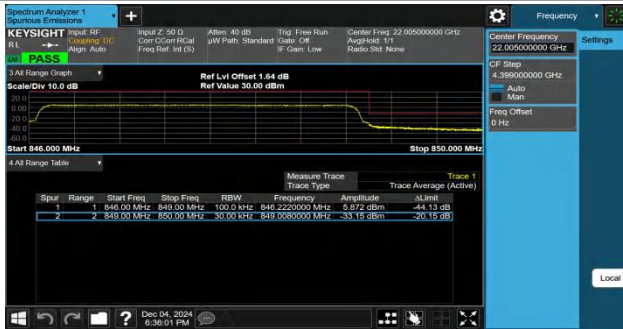




Band5-3MHz-QPSK-20415-1RB#14-PASS



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



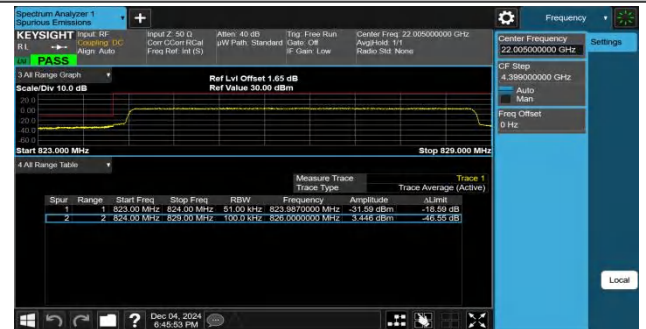
Band5-3MHz-QPSK-20635-15RB#0-PASS



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

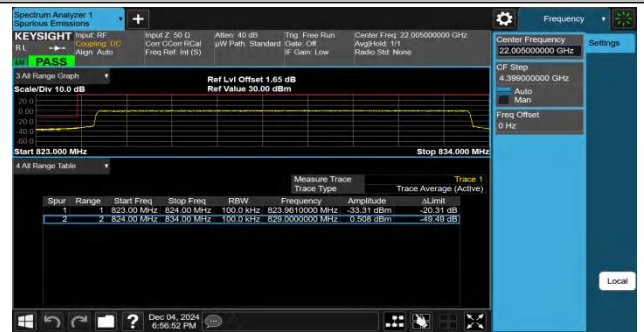


Band5-5MHz-QPSK-20625-1RB#0-PASS



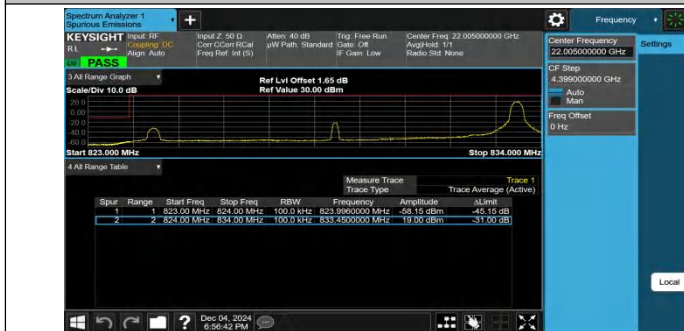
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Band5-5MHz-QPSK-20625-1RB#24-PASS



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

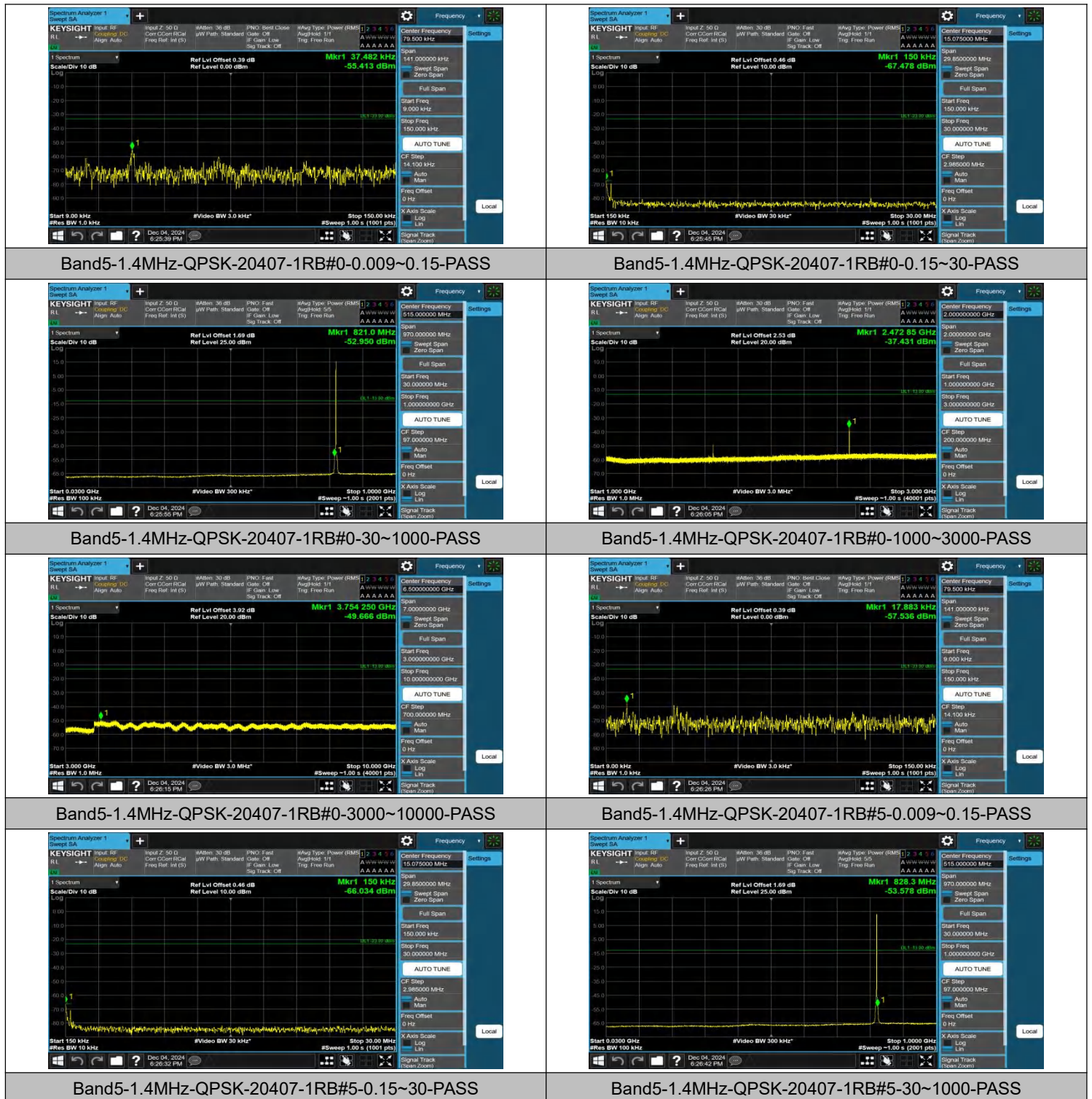


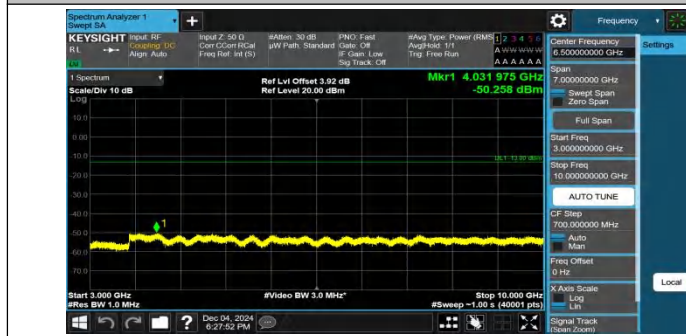
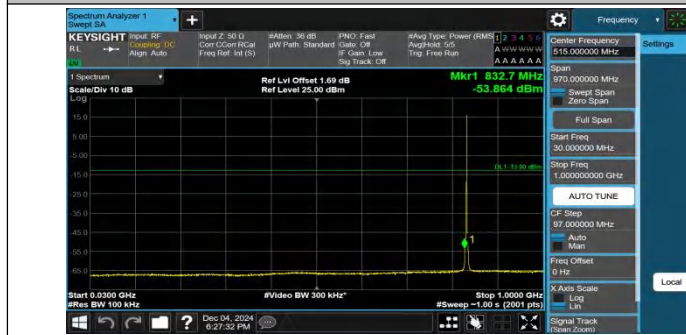
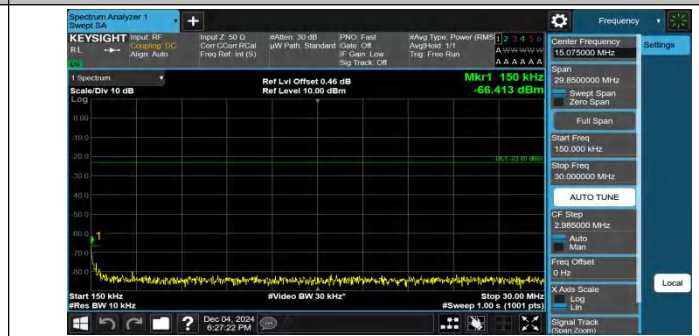
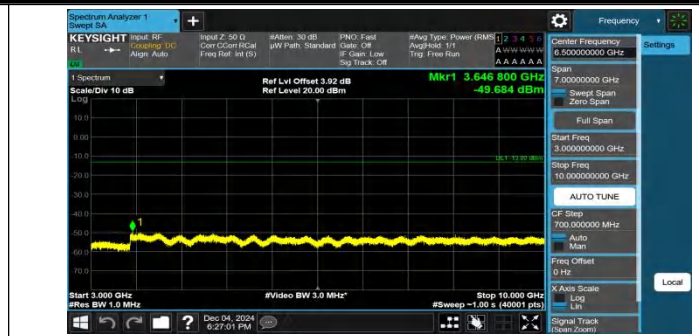
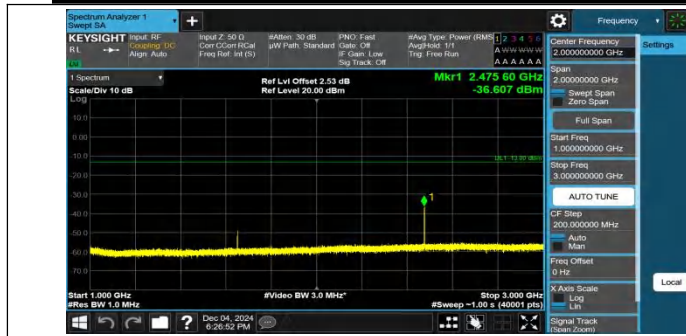
Band5-10MHz-QPSK-20600-50RB#0-PASS

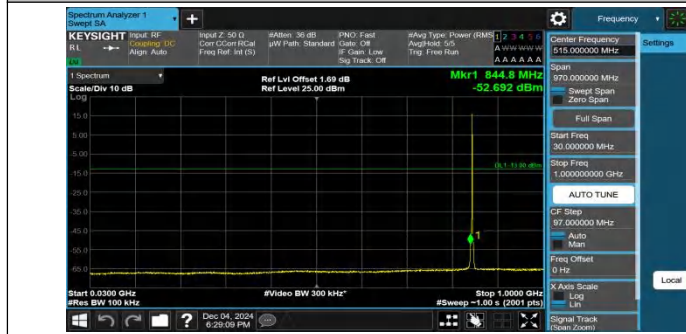
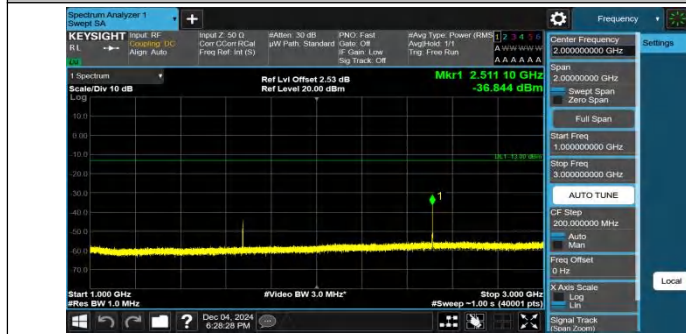
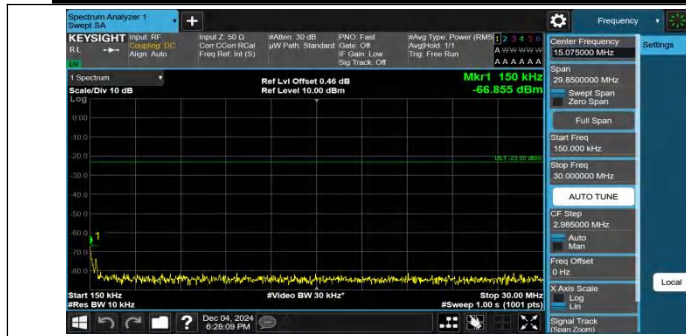
Band5-10MHz-QPSK-20600-1RB#49-PASS

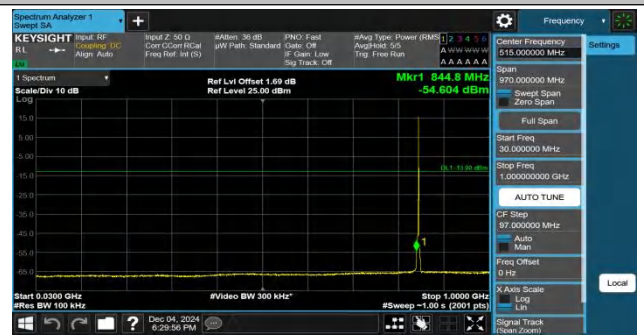
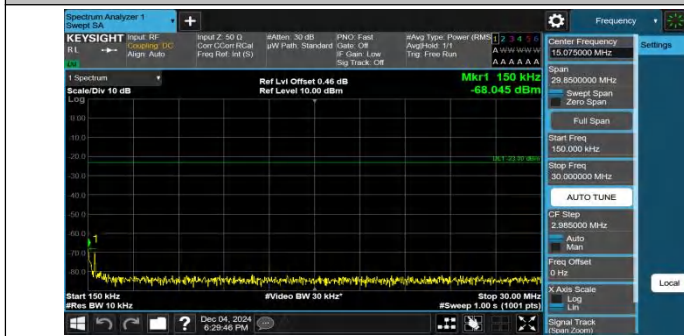
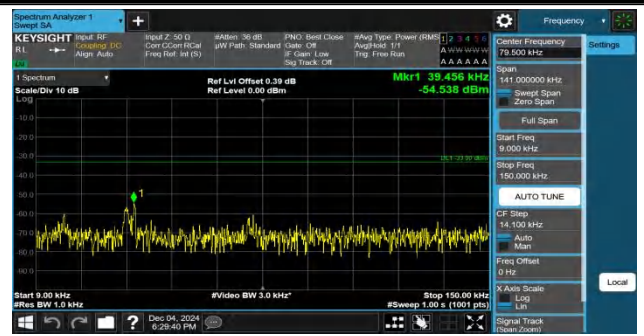
Conducted Spurious Emission

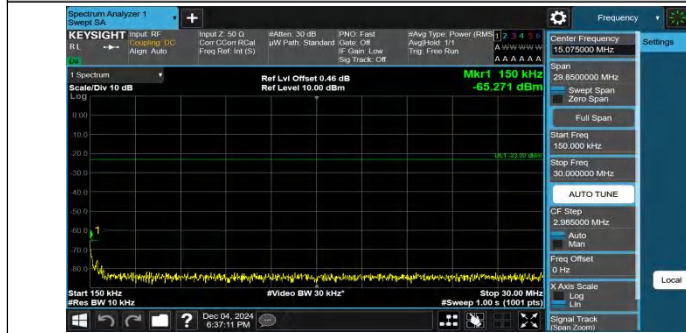
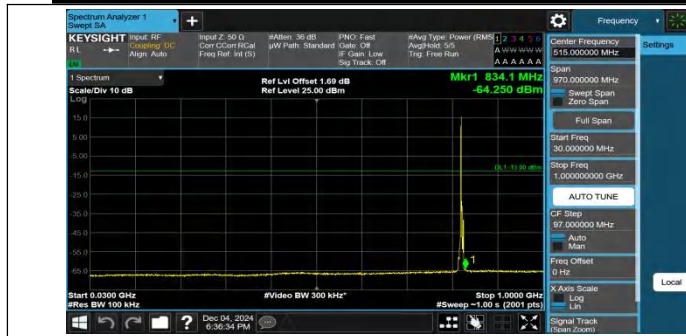
Test Graphs

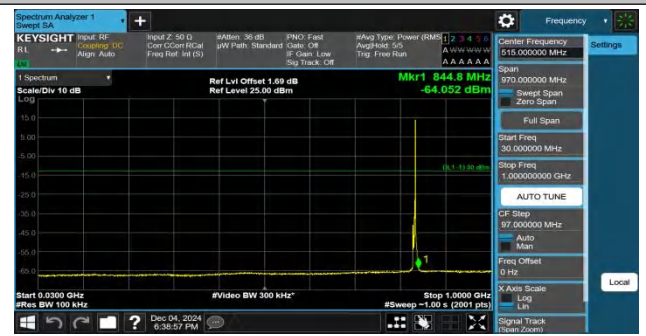
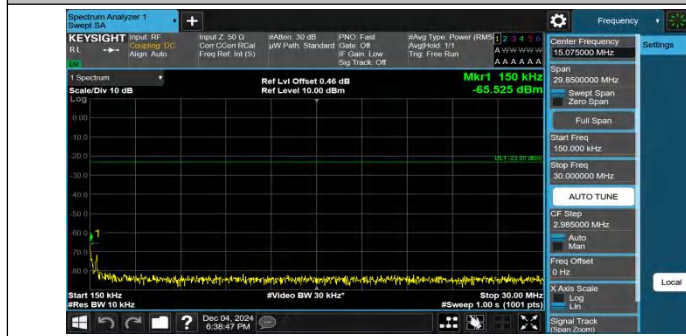
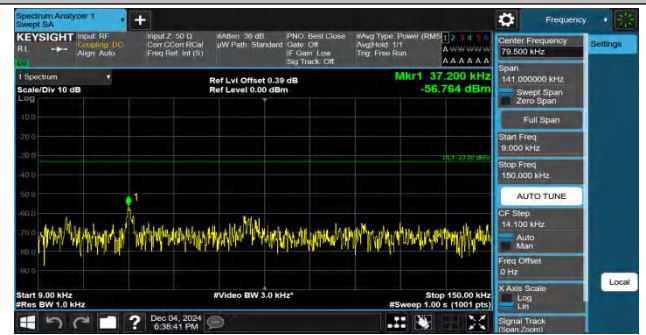
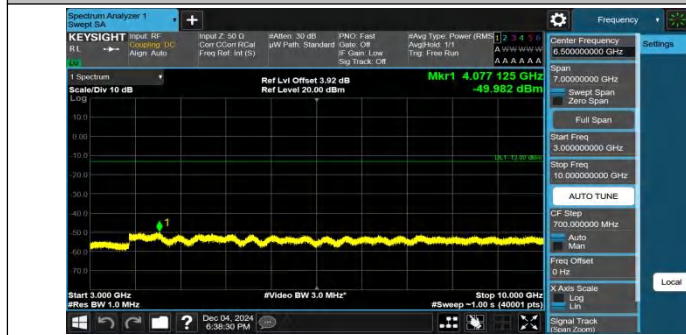
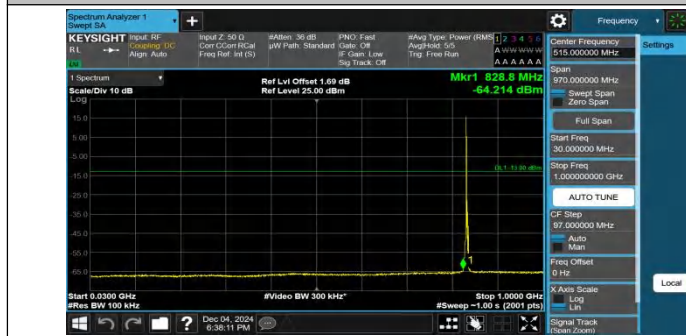
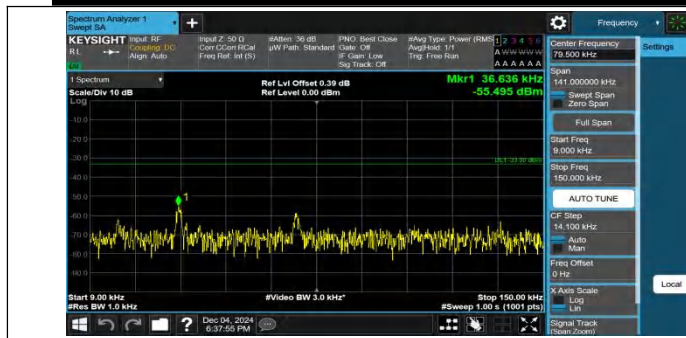


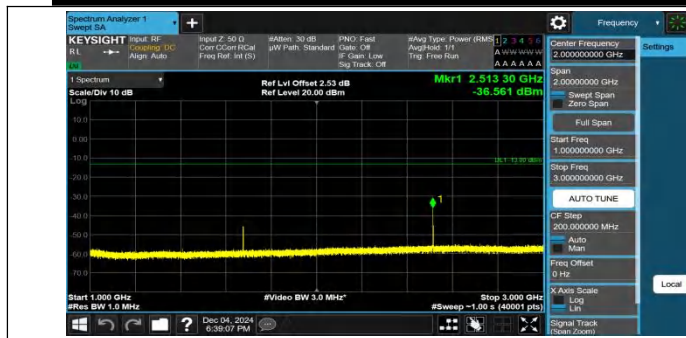












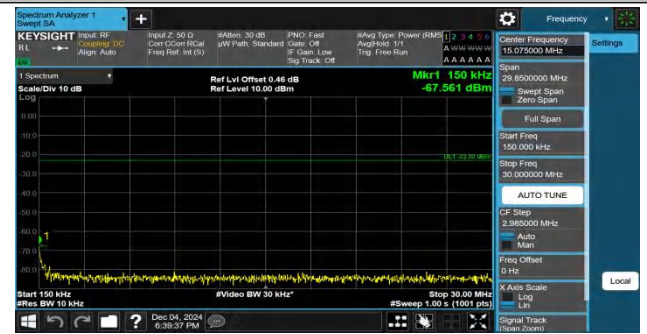
Band5-3MHz-QPSK-20525-1RB#14-1000~3000-PASS



Band5-3MHz-QPSK-20525-1RB#14-3000~10000-PASS



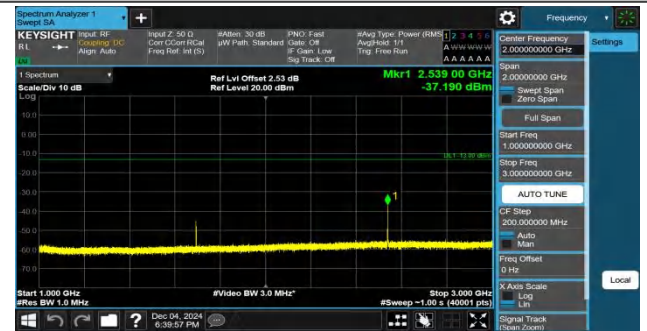
Band5-3MHz-QPSK-20635-1RB#0-0.009~0.15-PASS



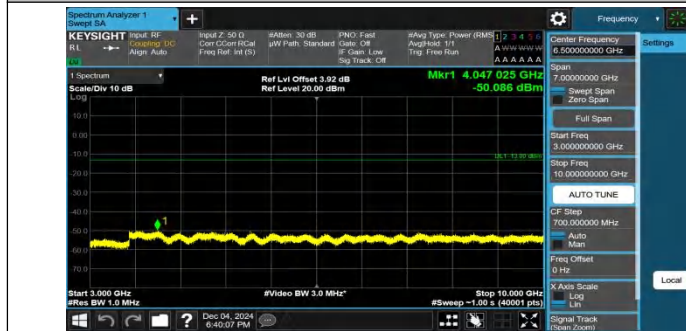
Band5-3MHz-QPSK-20635-1RB#0.15~30-PASS



Band5-3MHz-QPSK-20635-1RB#0-30~1000-PASS



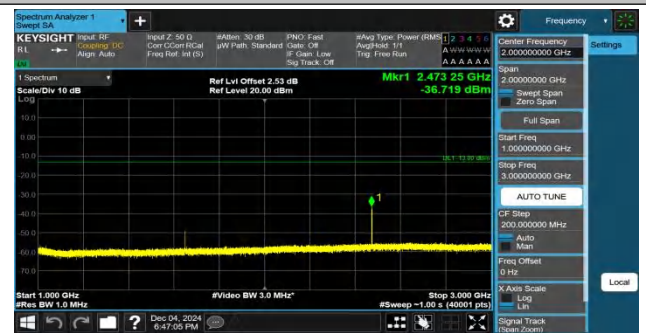
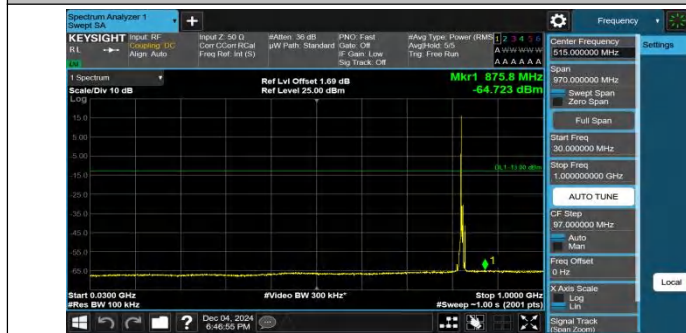
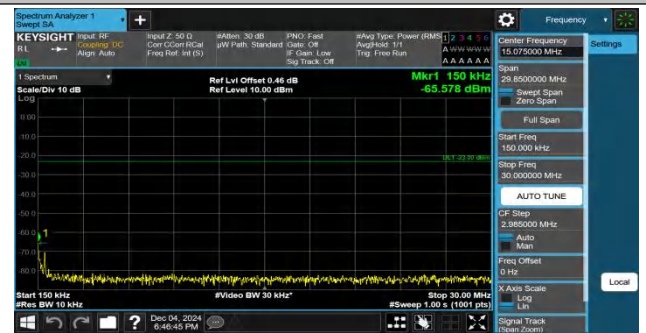
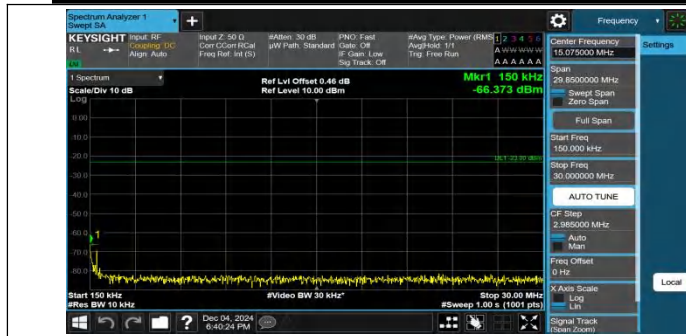
Band5-3MHz-QPSK-20635-1RB#0-1000~3000-PASS

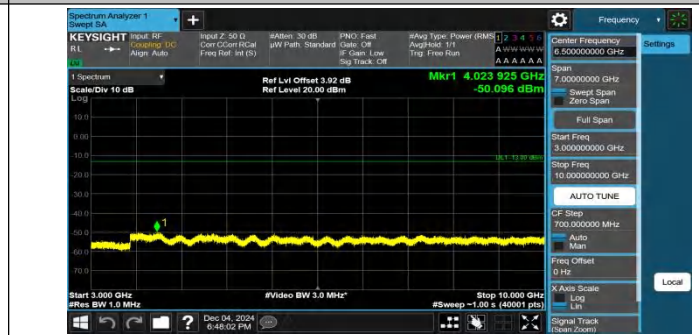
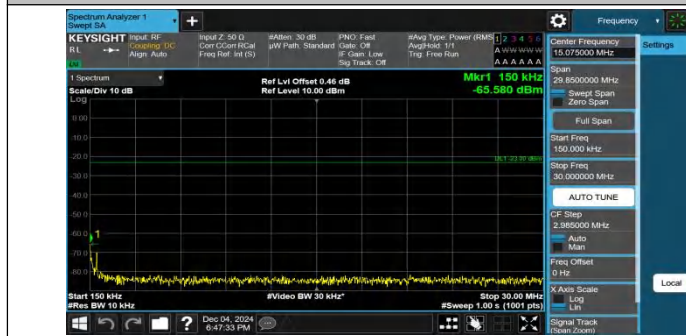
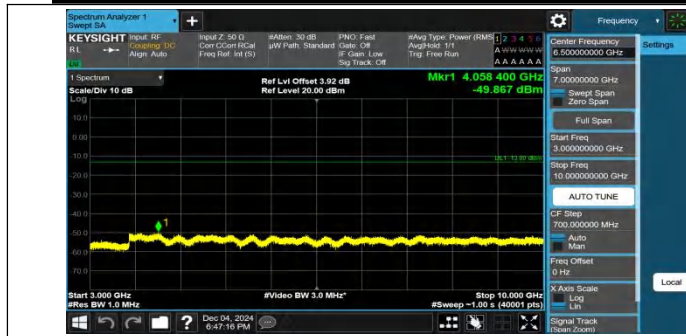


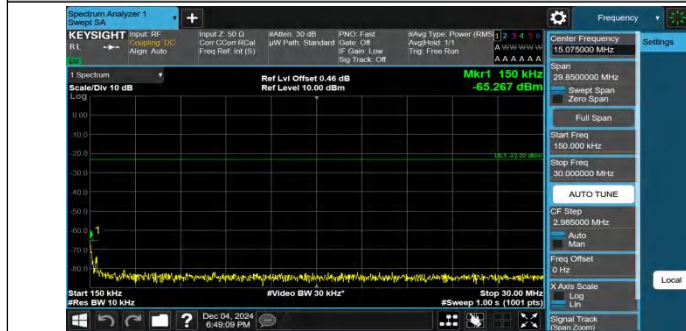
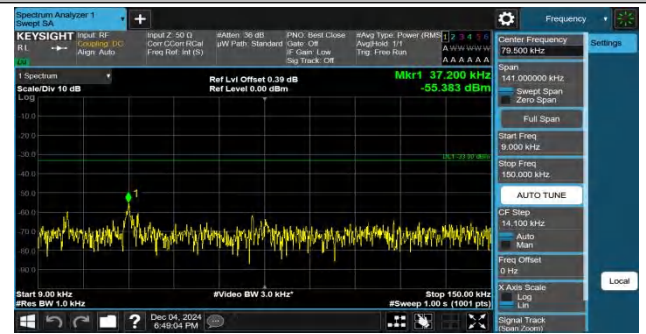
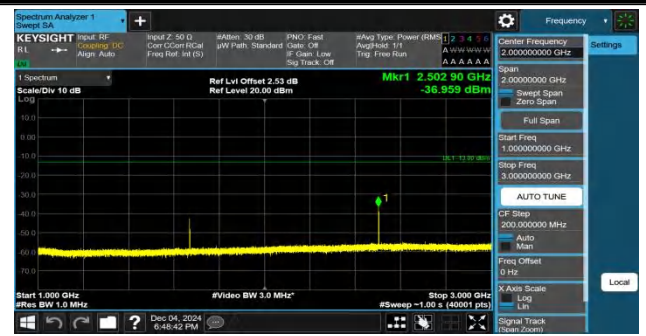
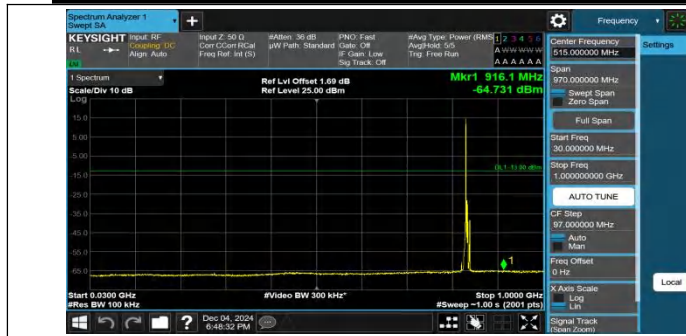
Band5-3MHz-QPSK-20635-1RB#0-3000~10000-PASS



Band5-3MHz-QPSK-20635-1RB#14-0.009~0.15-PASS

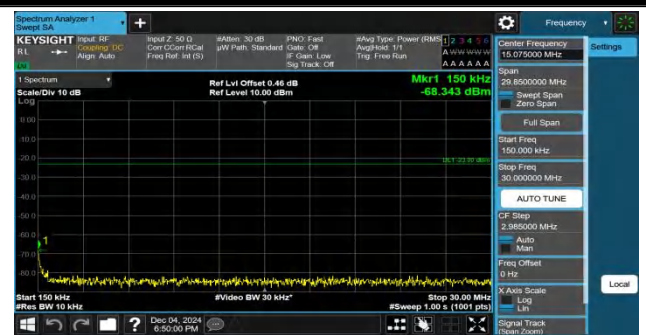








Band5-5MHz-QPSK-20625-1RB#0-0.009~0.15-PASS



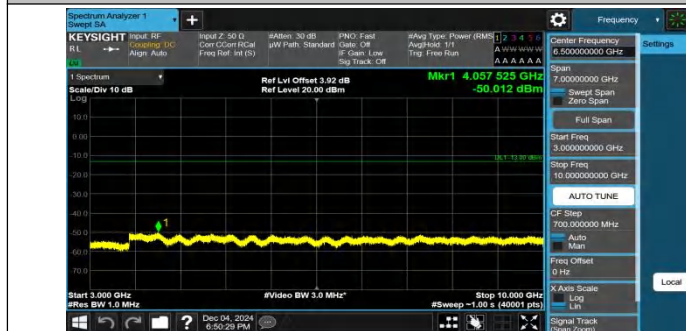
Band5-5MHz-QPSK-20625-1RB#0-0.15~30-PASS



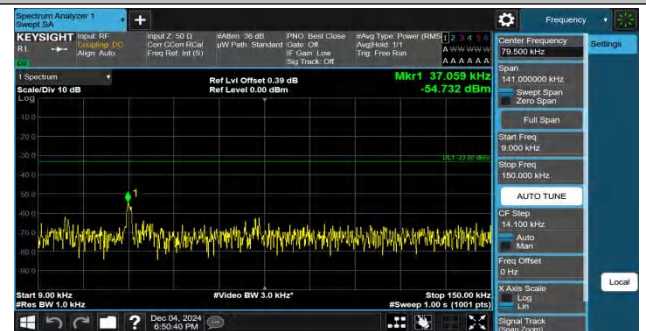
Band5-5MHz-QPSK-20625-1RB#0-30~1000-PASS



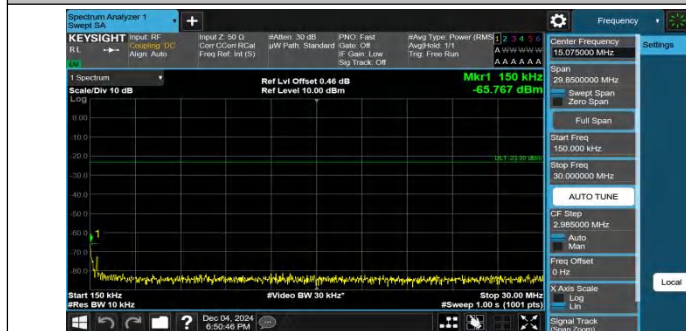
Band5-5MHz-QPSK-20625-1RB#0-1000~3000-PASS



Band5-5MHz-QPSK-20625-1RB#0-3000~10000-PASS



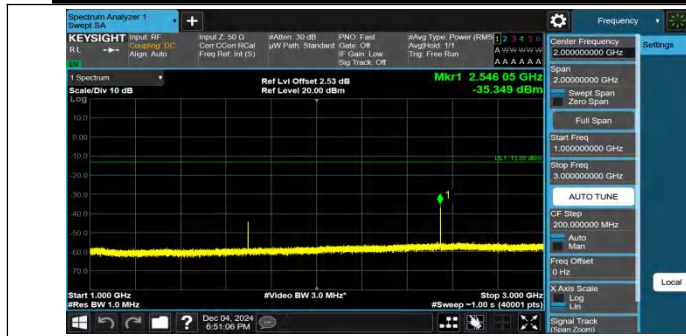
Band5-5MHz-QPSK-20625-1RB#24-0.009~0.15-PASS



Band5-5MHz-QPSK-20625-1RB#24-0.15~30-PASS



Band5-5MHz-QPSK-20625-1RB#24-30~1000-PASS



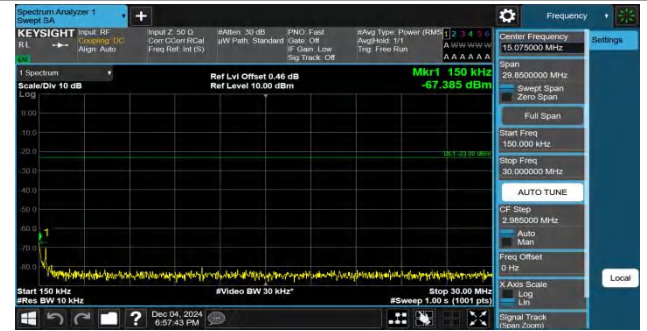
Band5-5MHz-QPSK-20625-1RB#24-1000~3000-PASS



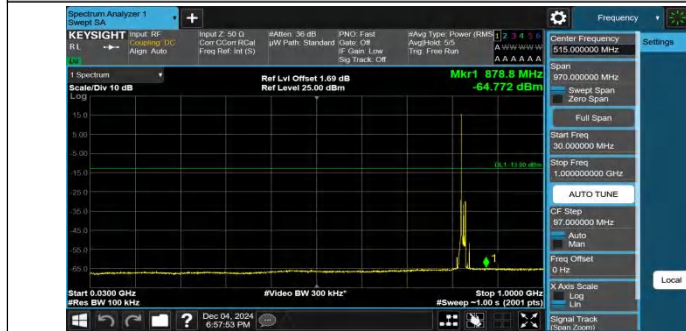
Band5-5MHz-QPSK-20625-1RB#24-3000~10000-PASS



Band5-10MHz-QPSK-20450-1RB#0-0.009~0.15-PASS



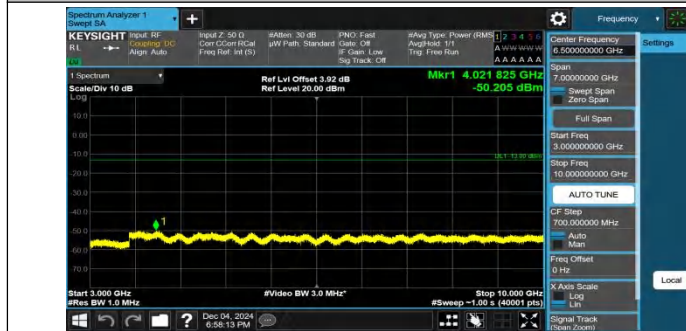
Band5-10MHz-QPSK-20450-1RB#0-0.15~30-PASS



Band5-10MHz-QPSK-20450-1RB#0-30~1000-PASS



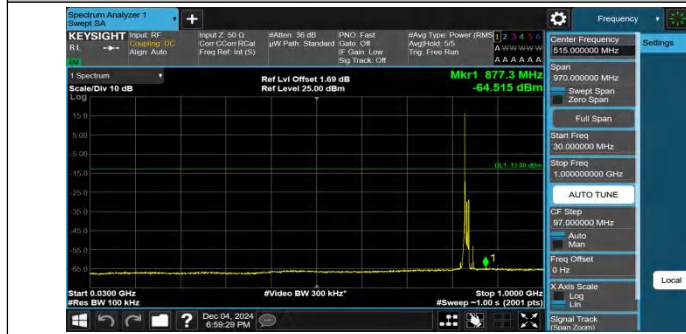
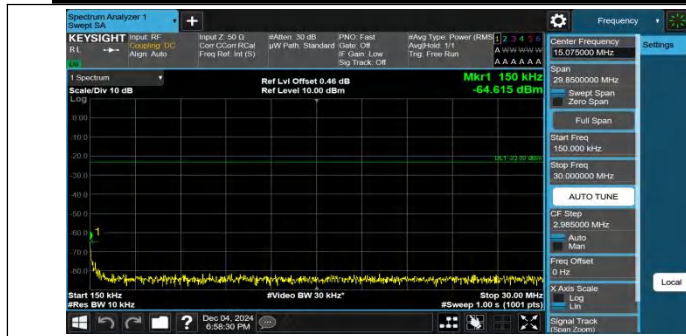
Band5-10MHz-QPSK-20450-1RB#0-1000~3000-PASS

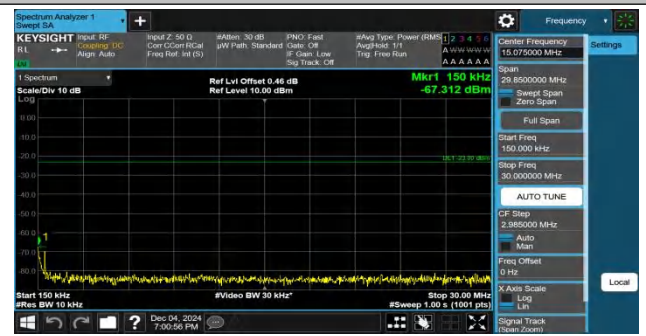
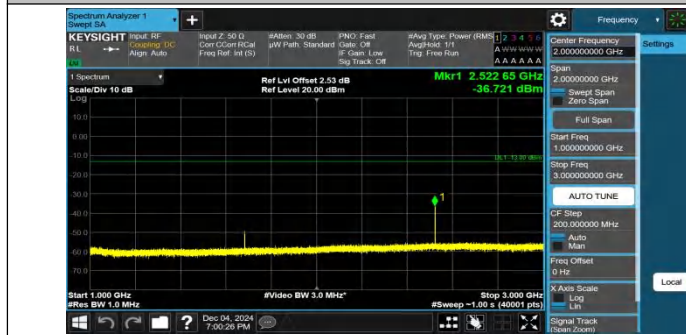
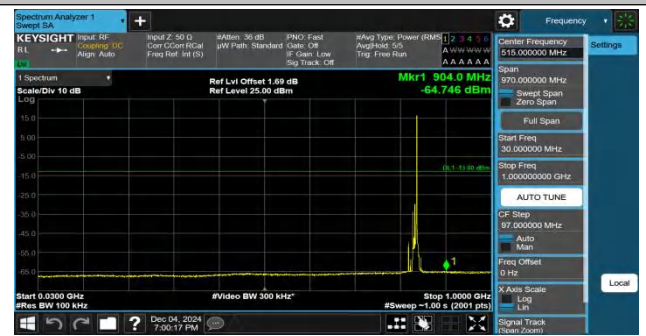
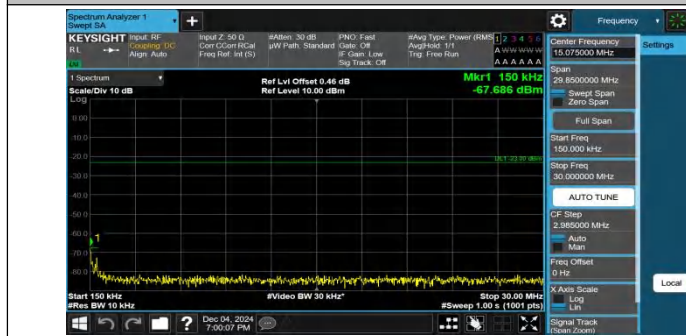


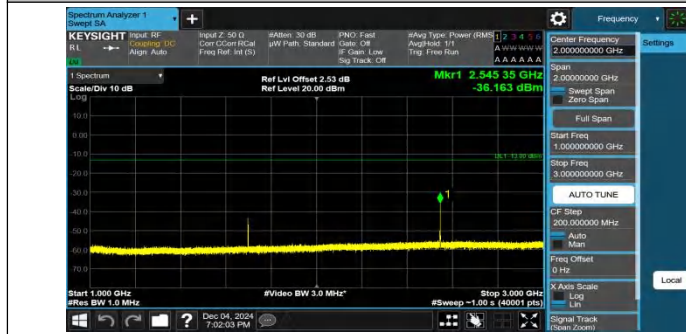
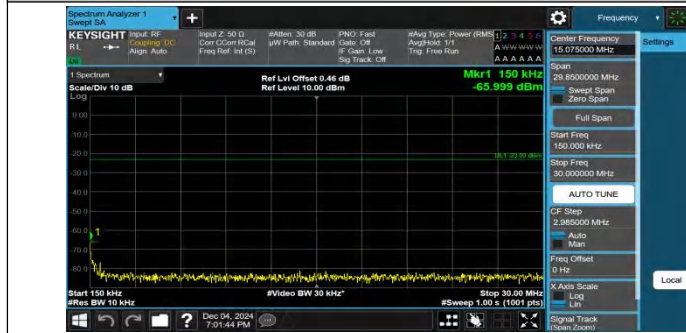
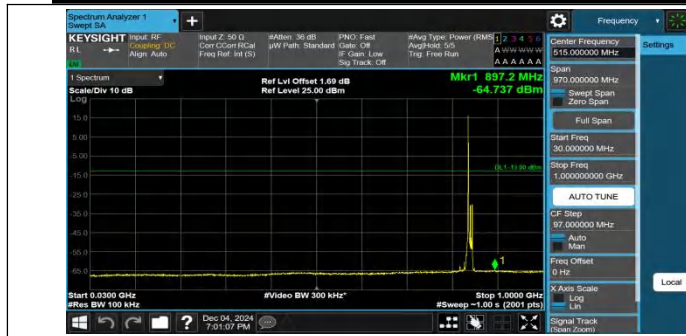
Band5-10MHz-QPSK-20450-1RB#0-3000~10000-PASS



Band5-10MHz-QPSK-20450-1RB#49-0.009~0.15-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	2.45	0.002929	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	2.70	0.003228	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-2.11	-0.002522	±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	-1.51	-0.001805	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-1.54	-0.001841	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	1.74	0.002080	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	2.92	0.003491	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	2.49	0.002977	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	1.78	0.002128	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	2.69	0.003216	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	2.05	0.002451	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-2.60	-0.003108	±2.5	PASS

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