

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	Gain(dBi)	E(I)RP(dBm)	Limit(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.36	2.13	23.34	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.5	2.13	23.48	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.51	2.13	23.49	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.45	2.13	22.43	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.3	2.13	23.28	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.4	2.13	23.38	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.45	2.13	23.43	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.48	2.13	22.46	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.46	2.13	23.44	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.26	2.13	23.24	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.22	2.13	23.2	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.39	2.13	22.37	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.42	2.13	22.4	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.33	2.13	22.31	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.53	2.13	22.51	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.41	2.13	21.39	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.29	2.13	22.27	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.77	2.13	22.75	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.41	2.13	22.39	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.47	2.13	21.45	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.52	2.13	22.5	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.29	2.13	22.27	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.41	2.13	22.39	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.41	2.13	21.39	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.13	2.13	23.11	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.54	2.13	23.52	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.27	2.13	23.25	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.47	2.13	22.45	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.29	2.13	23.27	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.49	2.13	23.47	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.21	2.13	23.19	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.39	2.13	22.37	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.34	2.13	23.32	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.37	2.13	23.35	38.45	PASS

Band5	3MHz	QPSK	20635	1RB#14	23.04	2.13	23.02	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.41	2.13	22.39	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.38	2.13	22.36	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.58	2.13	22.56	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.59	2.13	22.57	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.52	2.13	21.5	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.28	2.13	22.26	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.74	2.13	22.72	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.2	2.13	22.18	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.45	2.13	21.43	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.57	2.13	22.55	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.37	2.13	22.35	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.37	2.13	22.35	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.48	2.13	21.46	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.55	2.13	23.53	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.59	2.13	23.57	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.74	2.13	23.72	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.76	2.13	22.74	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.8	2.13	23.78	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.52	2.13	23.5	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.53	2.13	23.51	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.5	2.13	22.48	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.66	2.13	23.64	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.45	2.13	23.43	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.53	2.13	23.51	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.46	2.13	22.44	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.37	2.13	22.35	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.42	2.13	22.4	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.71	2.13	22.69	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.69	2.13	21.67	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.89	2.13	22.87	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.64	2.13	22.62	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.62	2.13	22.6	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.52	2.13	21.5	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.43	2.13	22.41	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.3	2.13	22.28	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.37	2.13	22.35	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.64	2.13	21.62	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.58	2.13	23.56	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.65	2.13	23.63	38.45	PASS

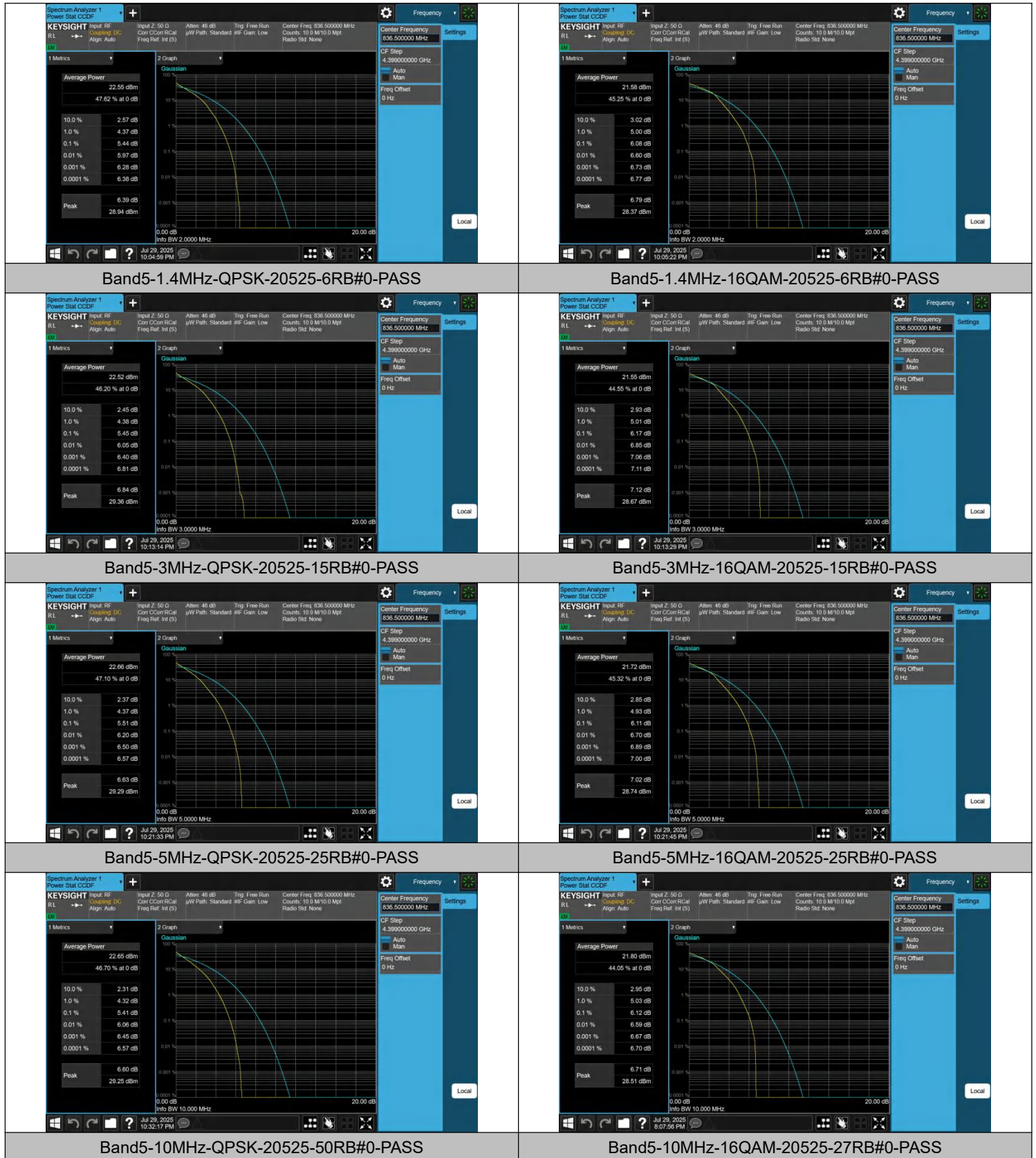
Band5	10MHz	QPSK	20450	1RB#49	23.81	2.13	23.79	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.77	2.13	22.75	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.53	2.13	23.51	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.43	2.13	23.41	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.6	2.13	23.58	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.61	2.13	22.59	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.77	2.13	23.75	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.53	2.13	23.51	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.59	2.13	23.57	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.63	2.13	22.61	38.45	PASS
Band5	10MHz	16QAM	20450	27RB#0	21.91	2.13	21.89	38.45	PASS
Band5	10MHz	16QAM	20525	27RB#0	21.68	2.13	21.66	38.45	PASS
Band5	10MHz	16QAM	20600	27RB#0	21.75	2.13	21.73	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.86	2.13	22.84	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.62	2.13	22.6	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.13	2.13	23.11	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.47	2.13	22.45	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.72	2.13	22.7	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.71	2.13	22.69	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.7	2.13	22.68	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.23	2.13	22.21	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.55	2.13	22.53	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	5.44	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.08	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.45	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.17	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.51	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.11	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.41	13	PASS
Band5	10MHz	16QAM	20525	27RB#0	6.12	13	PASS

Test Graphs

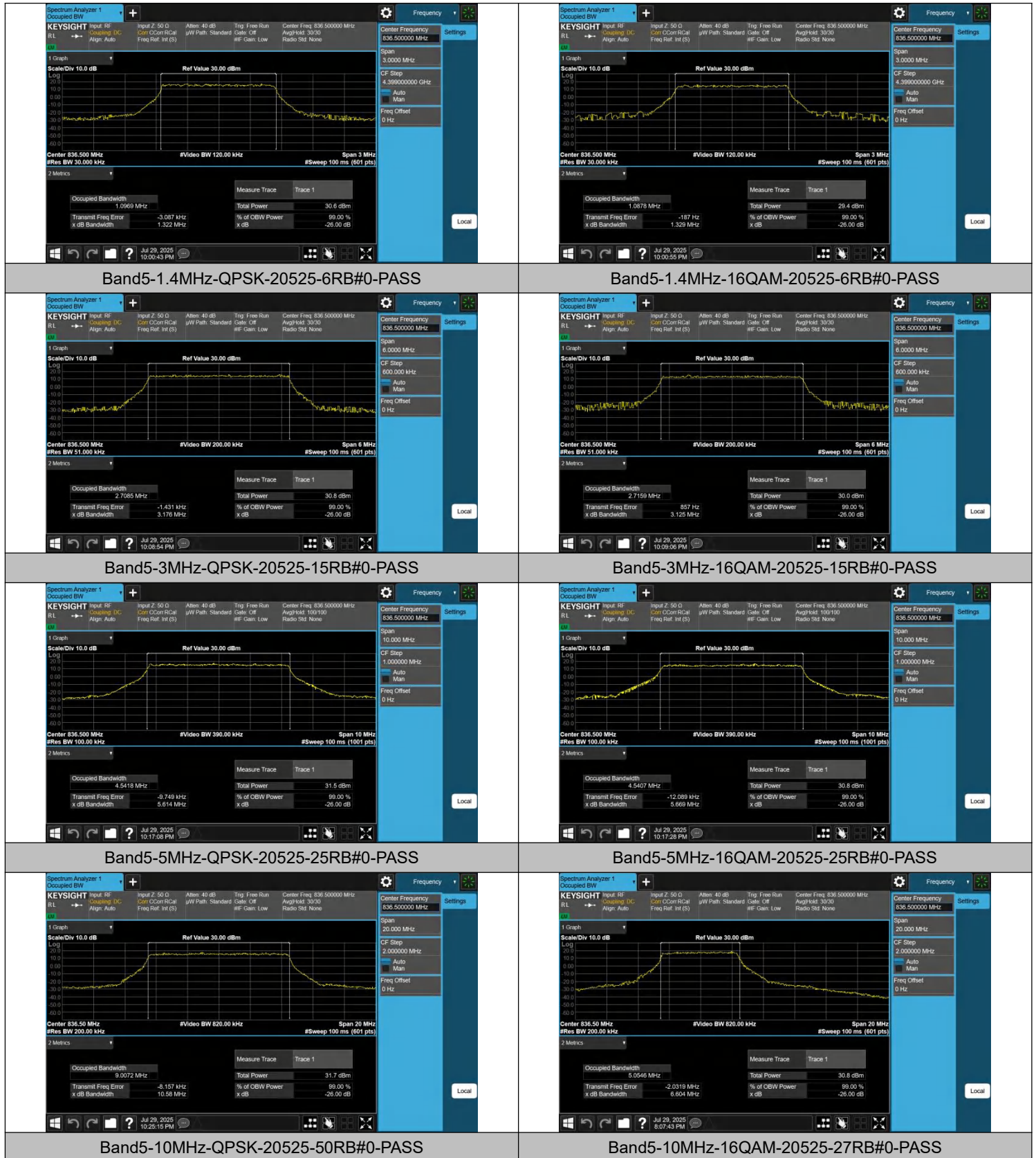


26dB Bandwidth and Occupied Bandwidth

Test Result

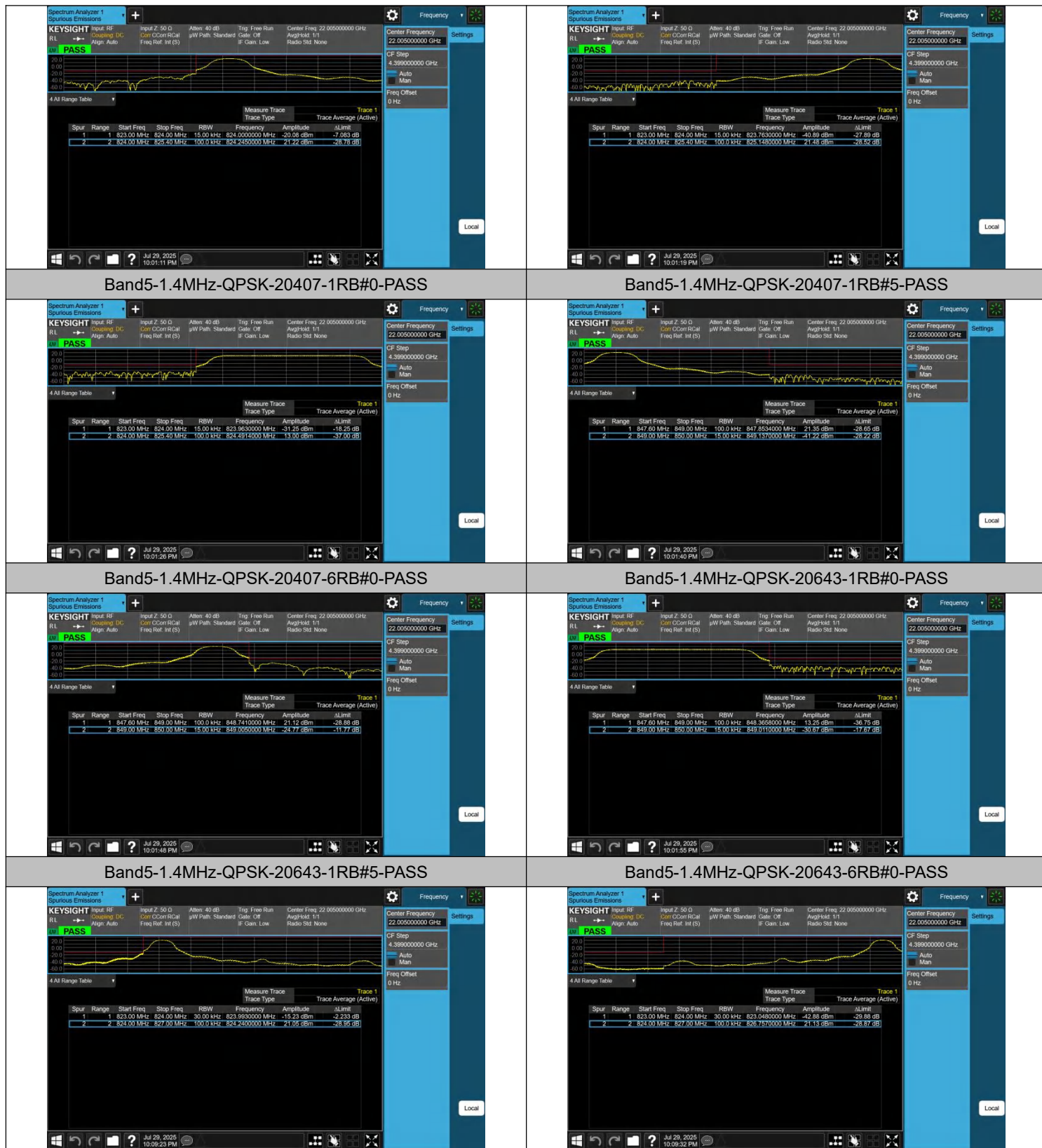
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20525	6RB#0	1.0969	1.322	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0878	1.329	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7085	3.176	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7159	3.125	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5418	5.614	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5407	5.669	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0072	10.58	PASS
Band5	10MHz	16QAM	20525	27RB#0	5.0546	6.604	PASS

Test Graphs

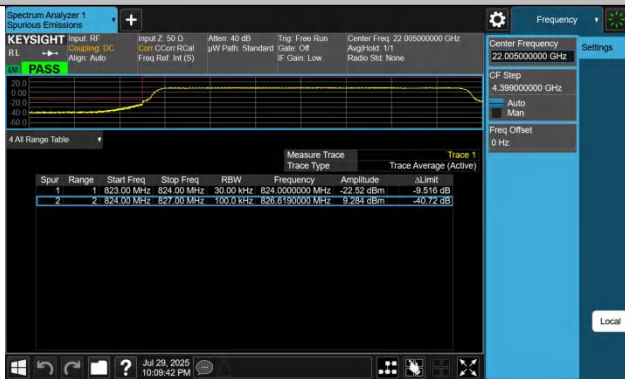


Band Edge

Test Graphs



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



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



Band5-3MHz-QPSK-20415-15RB#0-PASS



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



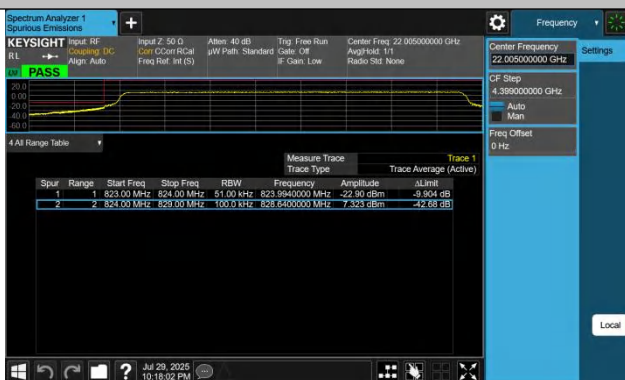
Band5-3MHz-QPSK-20635-1RB#14-PASS



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



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



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

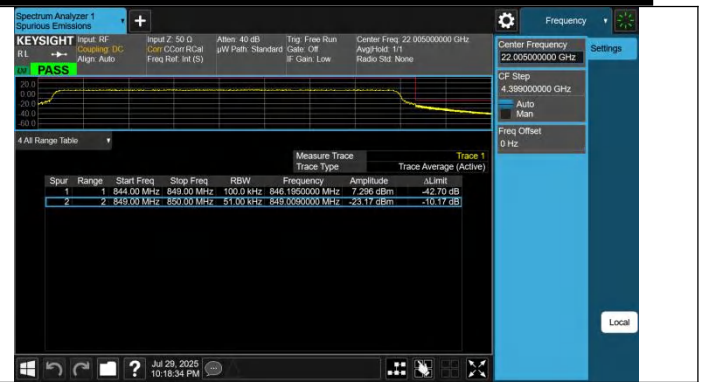


Band5-5MHz-QPSK-20425-25RB#0-PASS

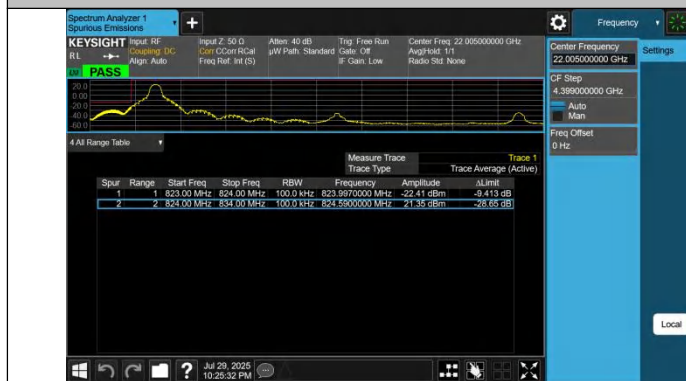
Band5-5MHz-QPSK-20625-1RB#0-PASS



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



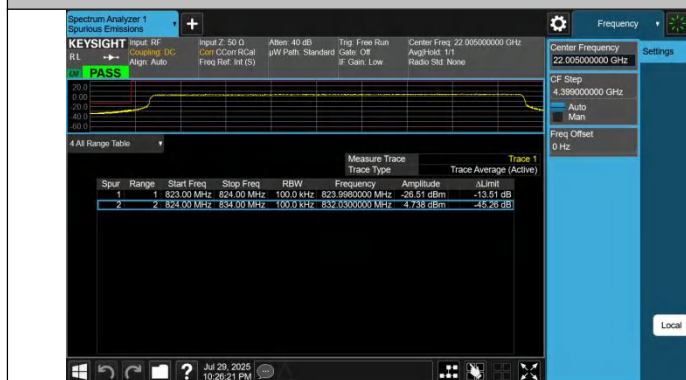
Band5-5MHz-QPSK-20625-25RB#0-PASS



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



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



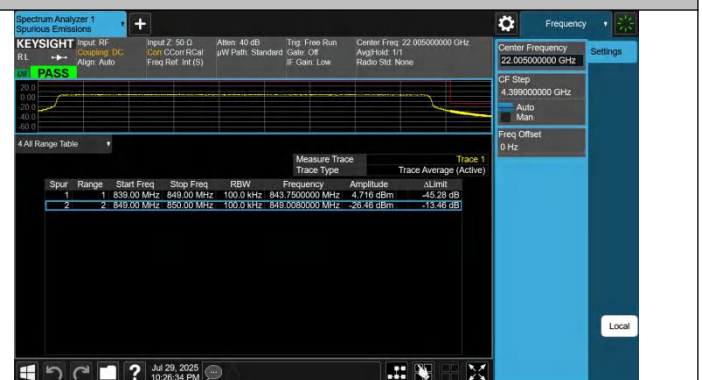
Band5-10MHz-QPSK-20450-50RB#0-PASS



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



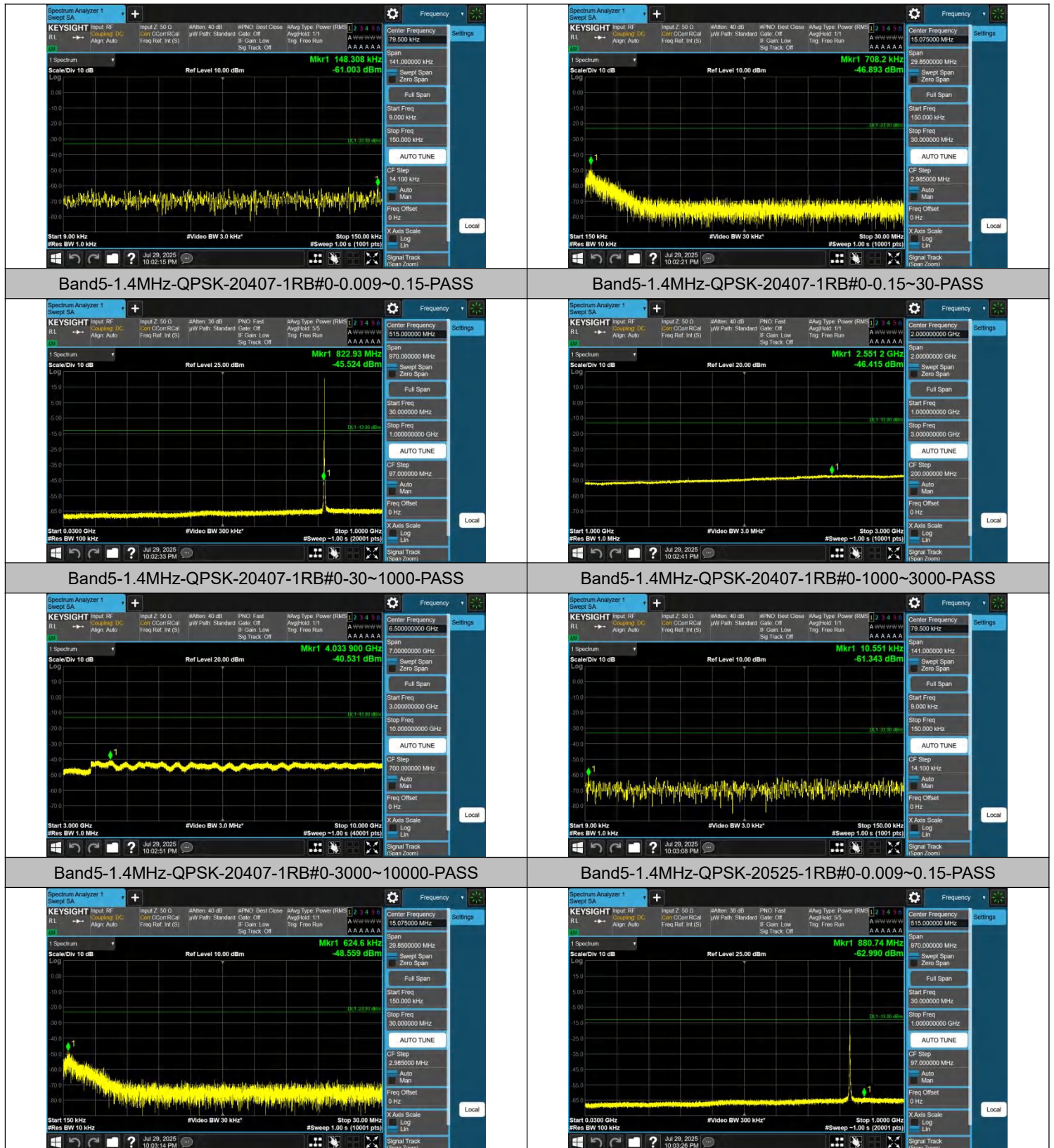
Band5-10MHz-QPSK-20600-1RB#49-PASS



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

Conducted Spurious Emission

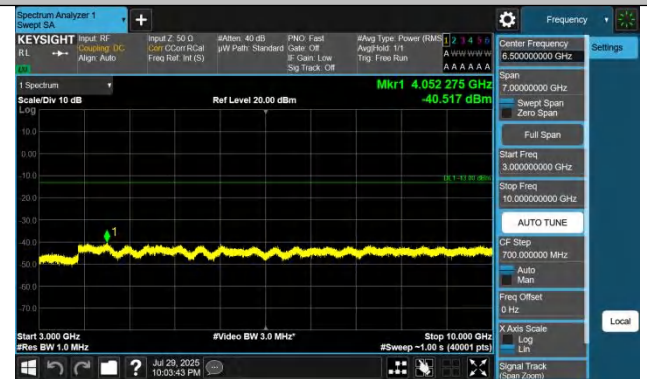
Test Graphs



Band5-1.4MHz-QPSK-20525-1RB#0-0.15~30-PASS



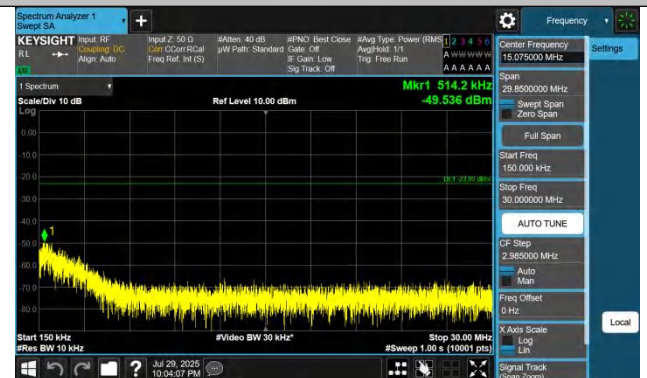
Band5-1.4MHz-QPSK-20525-1RB#0-30~1000-PASS



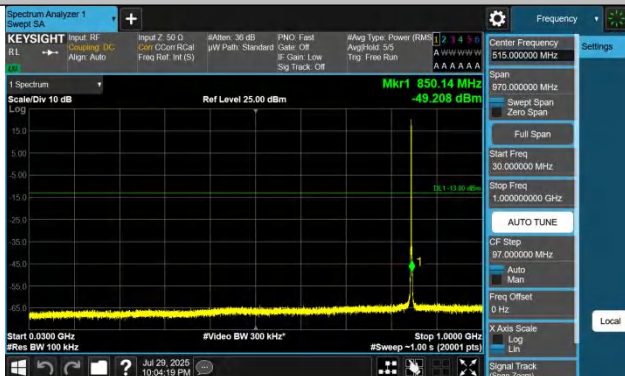
Band5-1.4MHz-QPSK-20525-1RB#0-1000~3000-PASS



Band5-1.4MHz-QPSK-20525-1RB#0-3000~10000-PASS



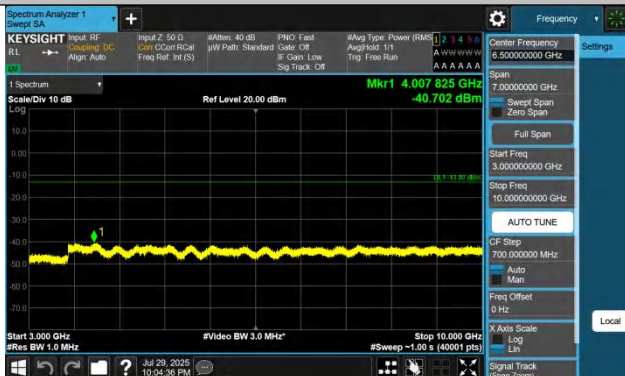
Band5-1.4MHz-QPSK-20643-1RB#0-0.009~0.15-PASS



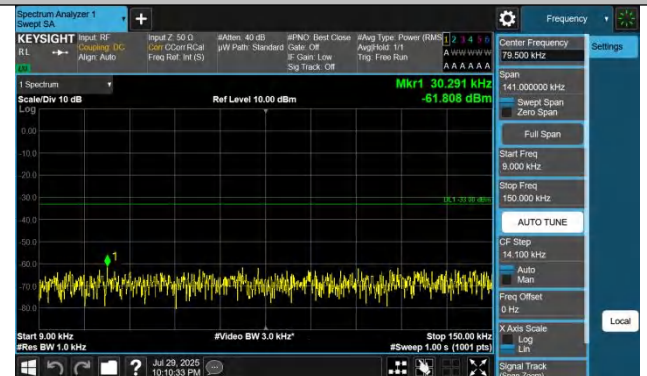
Band5-1.4MHz-QPSK-20643-1RB#0-0.15~30-PASS



Band5-1.4MHz-QPSK-20643-1RB#0-30~1000-PASS

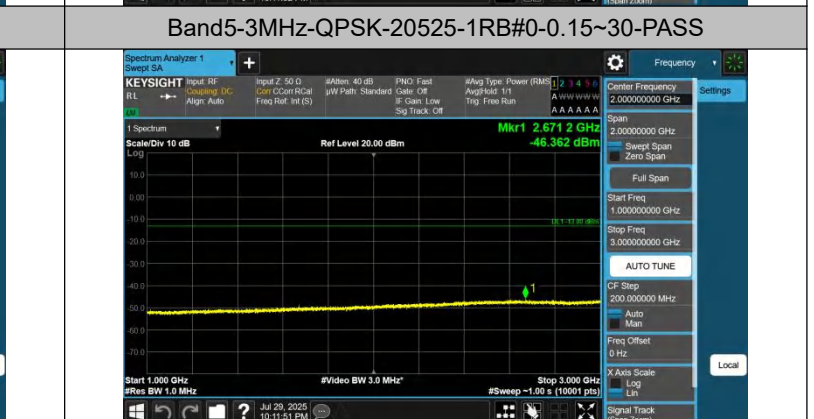
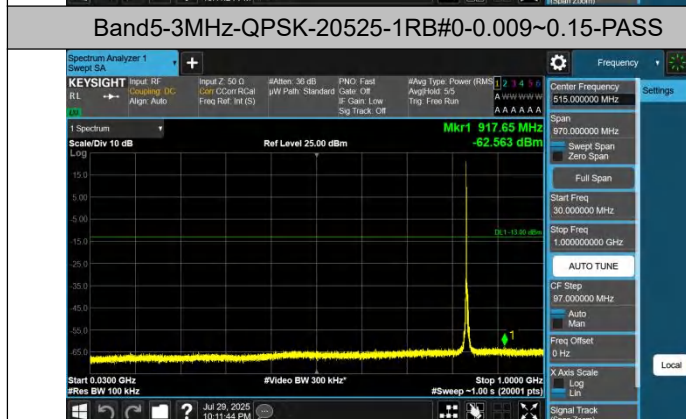
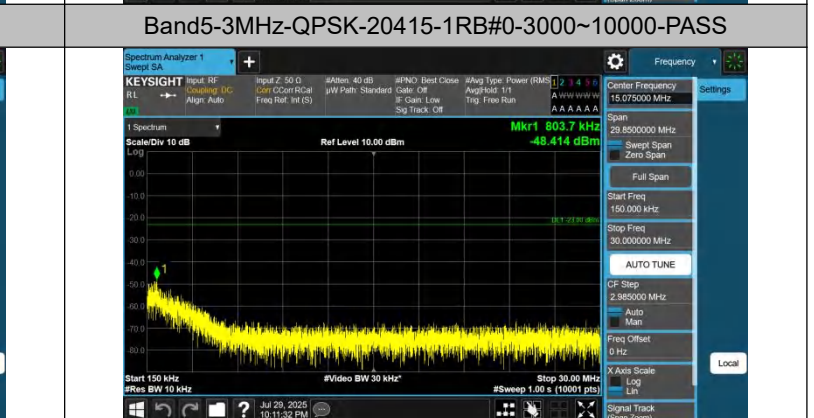
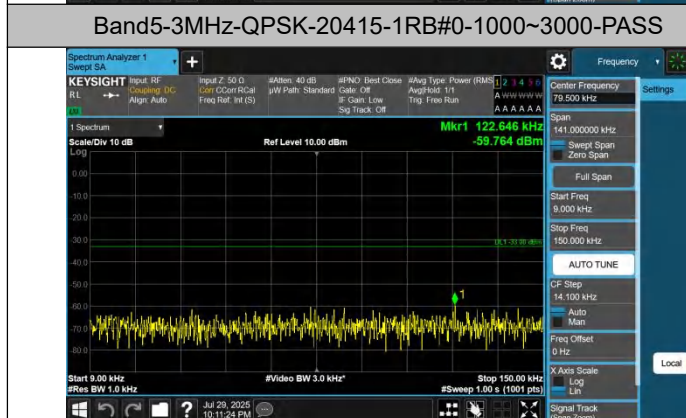
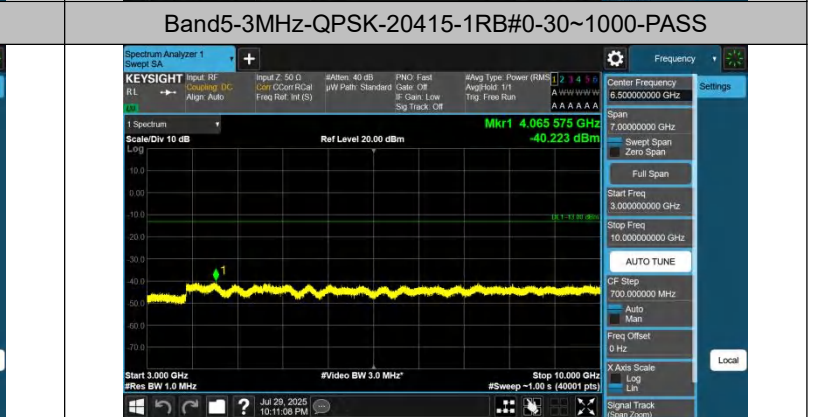
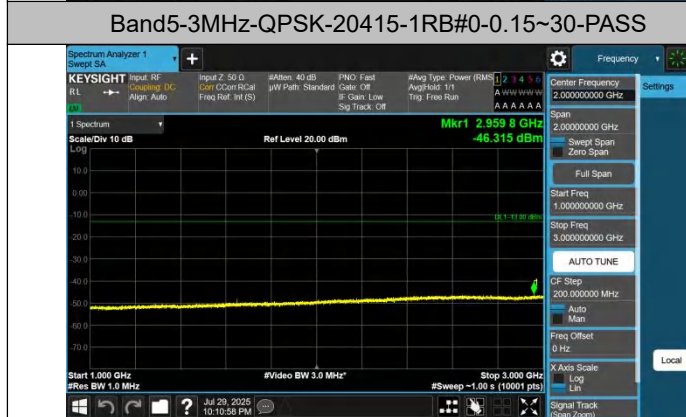
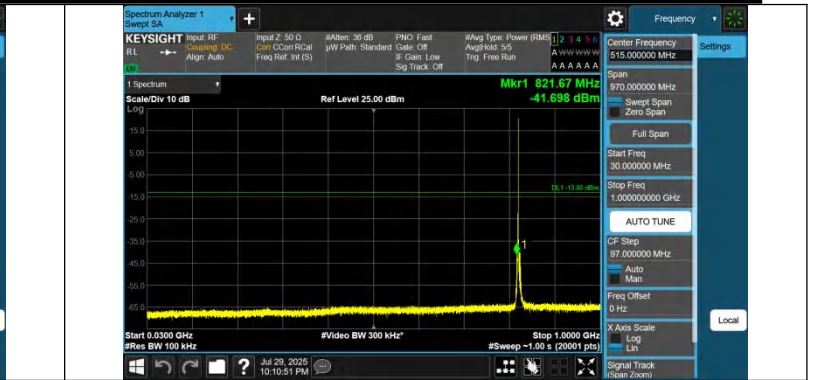


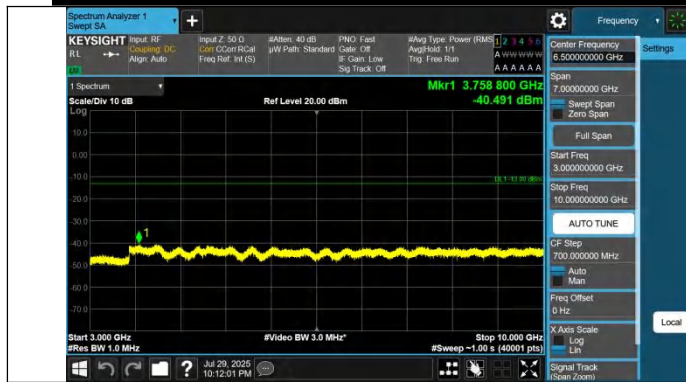
Band5-1.4MHz-QPSK-20643-1RB#0-1000~3000-PASS



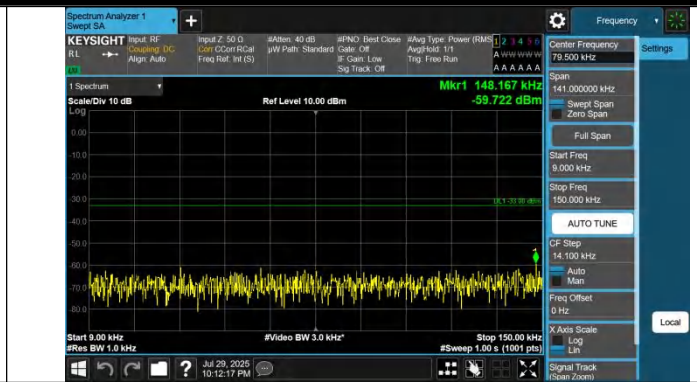
Band5-1.4MHz-QPSK-20643-1RB#0-3000~10000-PASS

Band5-3MHz-QPSK-20415-1RB#0-0.009~0.15-PASS

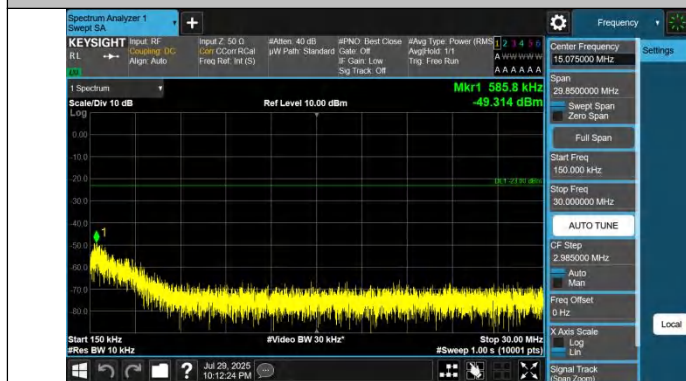




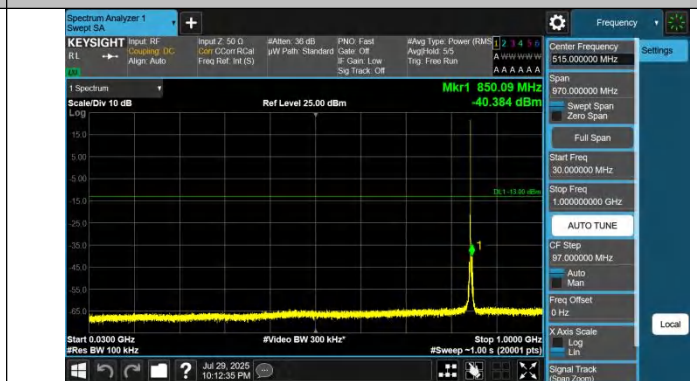
Band5-3MHz-QPSK-20525-1RB#0-3000~10000-PASS



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



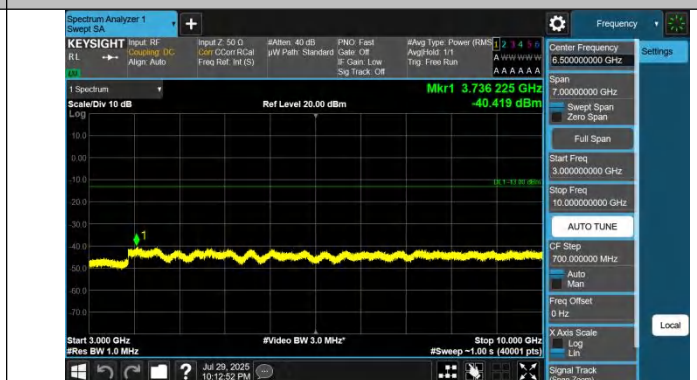
Band5-3MHz-QPSK-20635-1RB#0-0.15~30-PASS



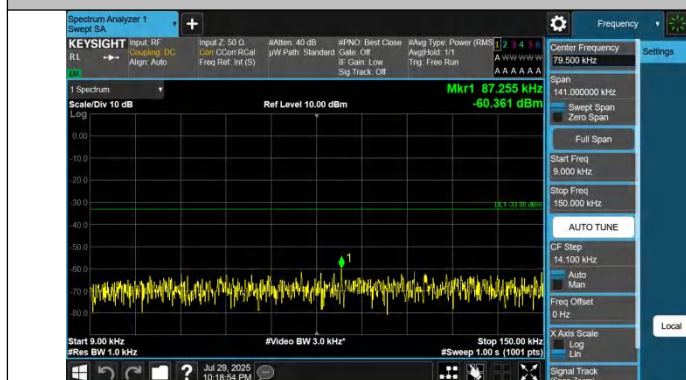
Band5-3MHz-QPSK-20635-1RB#0-30~1000-PASS



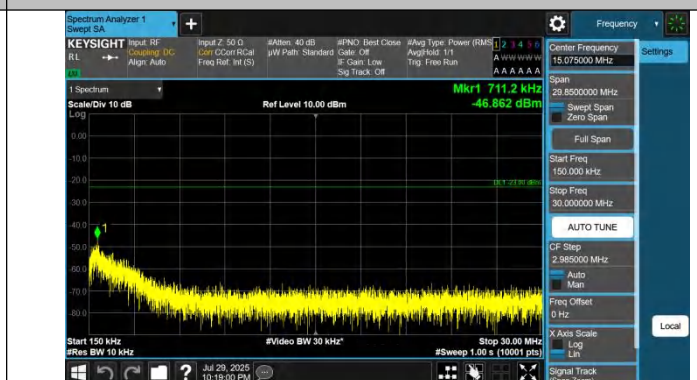
Band5-3MHz-QPSK-20635-1RB#0-1000~3000-PASS



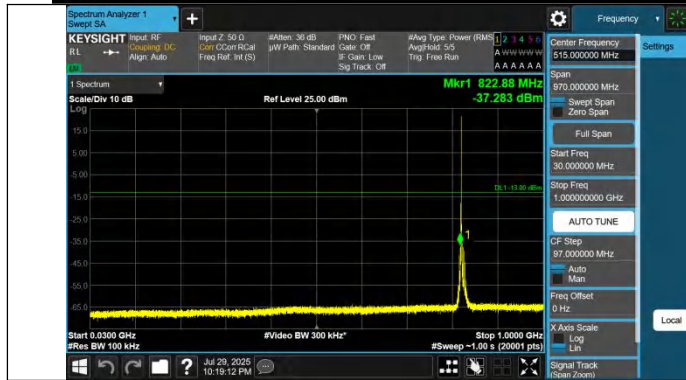
Band5-3MHz-QPSK-20635-1RB#0-3000~10000-PASS



Band5-5MHz-QPSK-20425-1RB#0-0.009~0.15-PASS



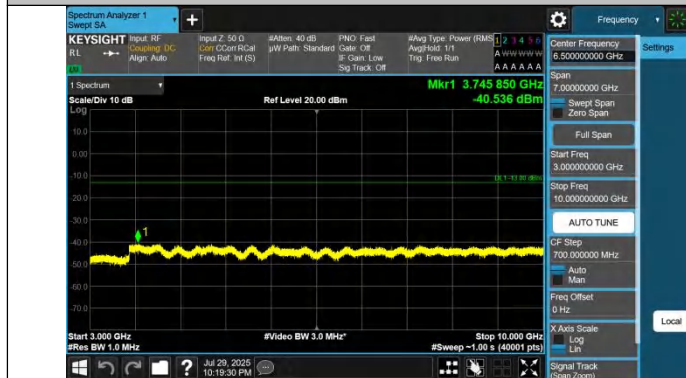
Band5-5MHz-QPSK-20425-1RB#0-0.15~30-PASS



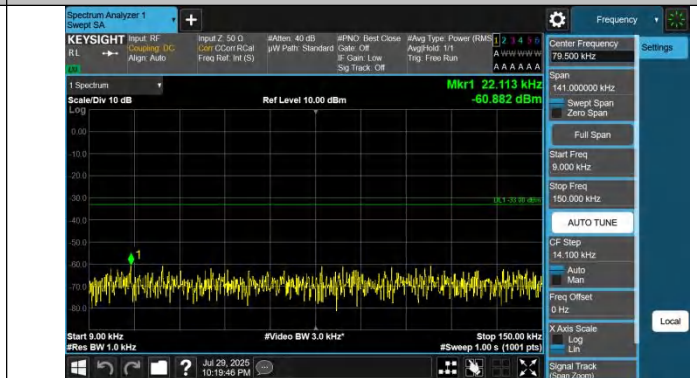
Band5-5MHz-QPSK-20425-1RB#0-30~1000-PASS



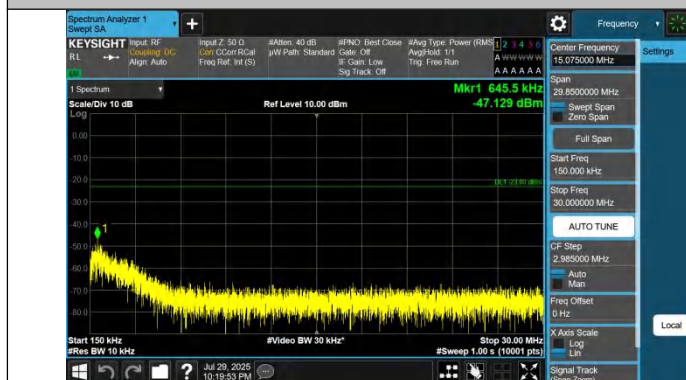
Band5-5MHz-QPSK-20425-1RB#0-1000~3000-PASS



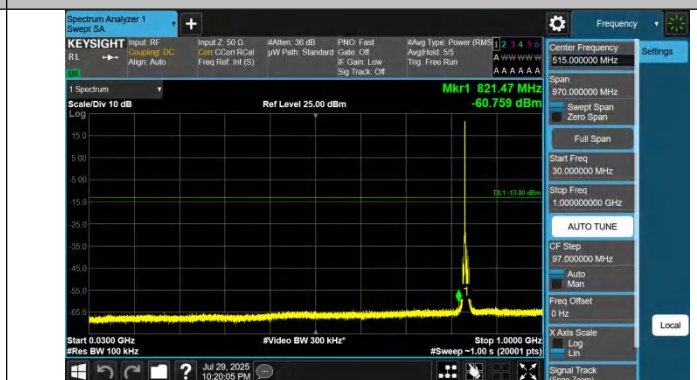
Band5-5MHz-QPSK-20425-1RB#0-3000~10000-PASS



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



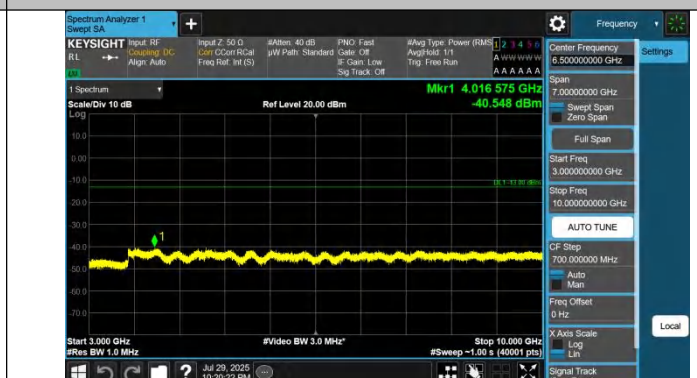
Band5-5MHz-QPSK-20525-1RB#0-0.15~30-PASS



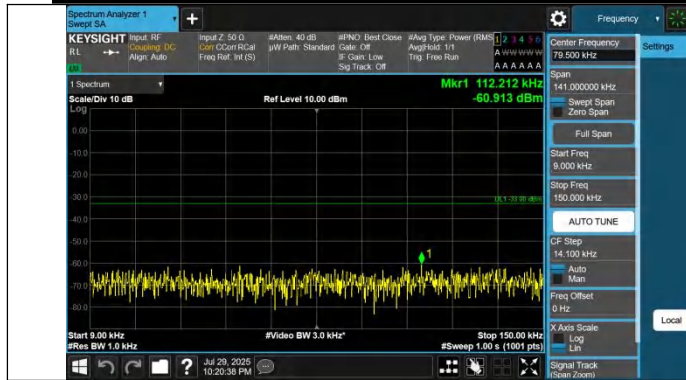
Band5-5MHz-QPSK-20525-1RB#0-30~1000-PASS



Band5-5MHz-QPSK-20525-1RB#0-1000~3000-PASS



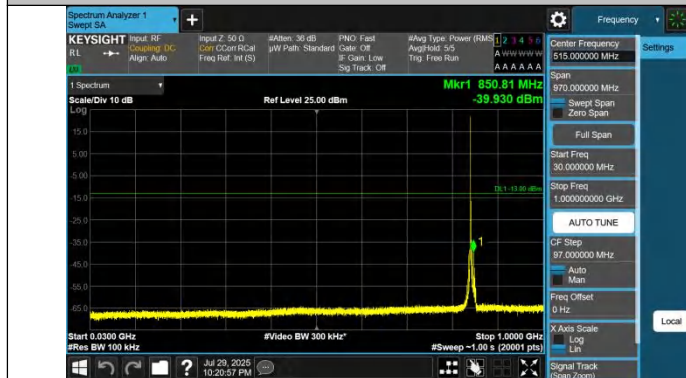
Band5-5MHz-QPSK-20525-1RB#0-3000~10000-PASS



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



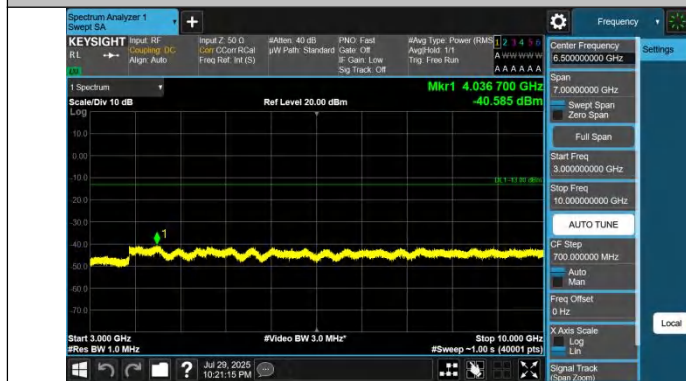
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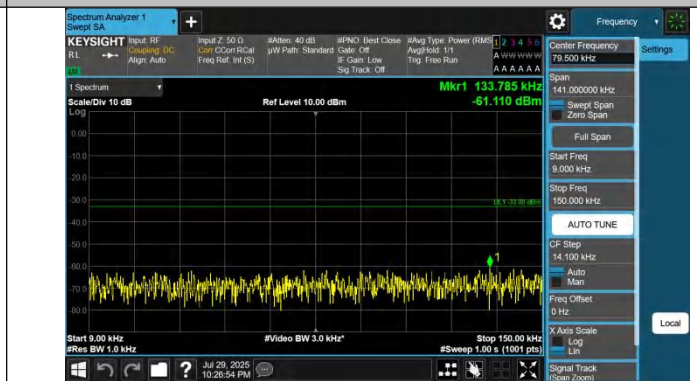
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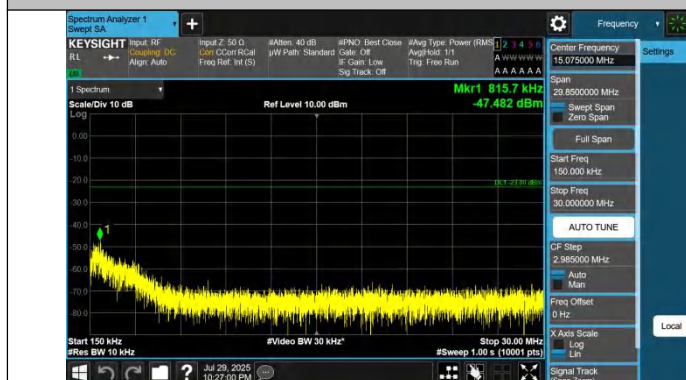
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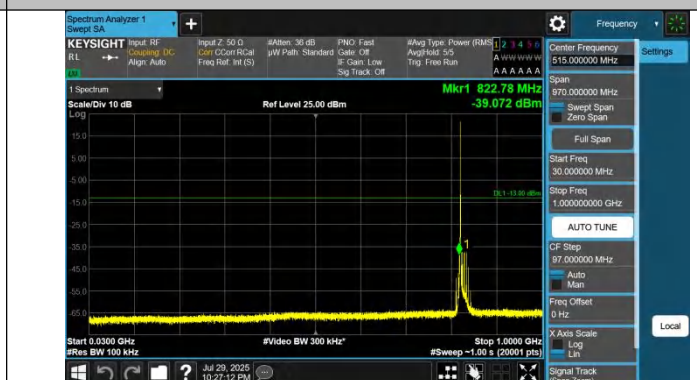
Band5-5MHz-QPSK-20625-1RB#0-3000~10000-PASS



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



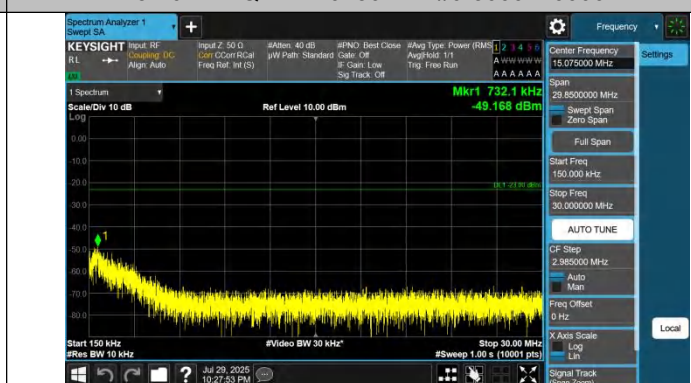
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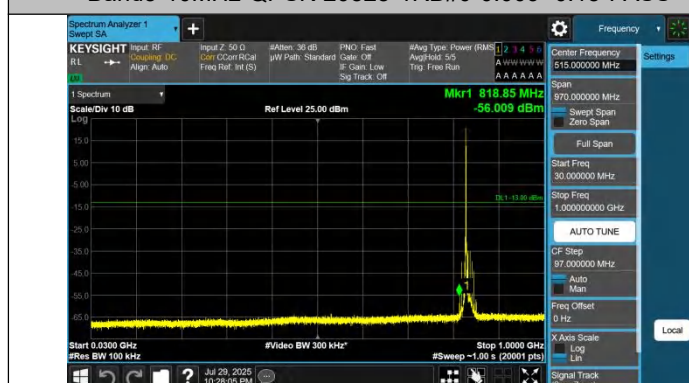
Band5-10MHz-QPSK-20450-1RB#0-3000~10000-PASS



Band5-10MHz-QPSK-20525-1RB#0-0.009~0.15-PASS



Band5-10MHz-QPSK-20525-1RB#0-0.15~30-PASS



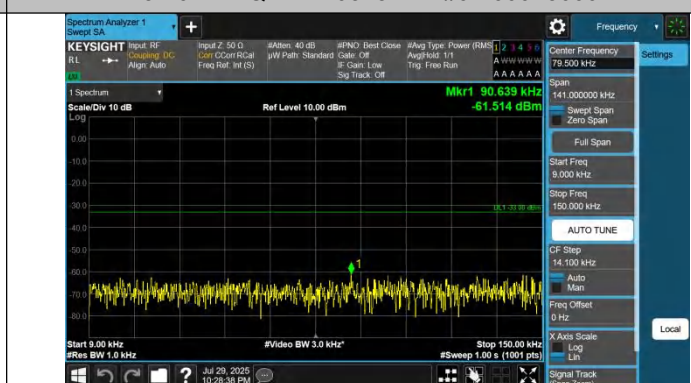
Band5-10MHz-QPSK-20525-1RB#0-30~1000-PASS



Band5-10MHz-QPSK-20525-1RB#0-1000~3000-PASS



Band5-10MHz-QPSK-20525-1RB#0-3000~10000-PASS



Band5-10MHz-QPSK-20600-1RB#0-0.009~0.15-PASS



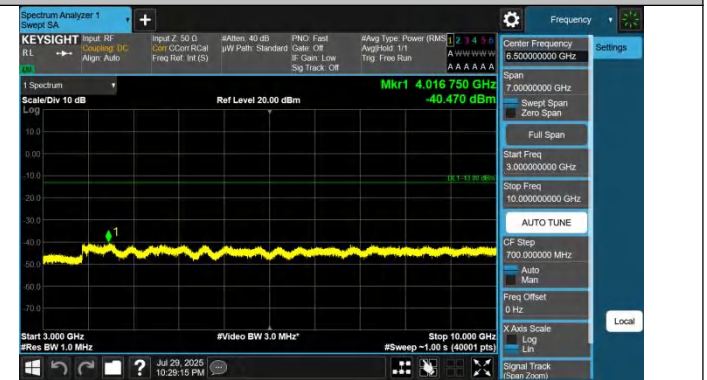
Band5-10MHz-QPSK-20600-1RB#0-0.15~30-PASS



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

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	-3.95	-0.004722	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-6.29	-0.007519	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-6.30	-0.007531	±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	-3.60	-0.004304	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-2.76	-0.003299	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	3.51	0.004196	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-5.76	-0.006886	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-5.59	-0.006683	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-3.05	-0.003646	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-4.55	-0.005439	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-3.19	-0.003814	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-3.34	-0.003993	±2.5	PASS

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