

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Gain(dBi)	E(I)RP(dBm)	Limit(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.66	2.13	23.64	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.96	2.13	23.94	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.53	2.13	23.51	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.68	2.13	22.66	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.61	2.13	23.59	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.74	2.13	23.72	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.77	2.13	23.75	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.68	2.13	22.66	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.47	2.13	23.45	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.9	2.13	23.88	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.42	2.13	23.4	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.7	2.13	22.68	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.53	2.13	22.51	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.16	2.13	23.14	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.46	2.13	22.44	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.71	2.13	21.69	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.03	2.13	23.01	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.79	2.13	22.77	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.51	2.13	22.49	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.76	2.13	21.74	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.61	2.13	22.59	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.5	2.13	23.48	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.43	2.13	22.41	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.61	2.13	21.59	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.62	2.13	23.6	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.72	2.13	23.7	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.55	2.13	23.53	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.68	2.13	22.66	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.59	2.13	23.57	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.74	2.13	23.72	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.83	2.13	23.81	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.72	2.13	22.7	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.63	2.13	23.61	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.57	2.13	23.55	38.45	PASS

Band5	3MHz	QPSK	20635	1RB#14	23.71	2.13	23.69	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.59	2.13	22.57	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.94	2.13	22.92	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.99	2.13	22.97	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.77	2.13	22.75	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.61	2.13	21.59	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.72	2.13	22.7	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.61	2.13	23.59	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.82	2.13	22.8	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.6	2.13	21.58	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.9	2.13	22.88	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.42	2.13	22.4	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.74	2.13	22.72	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.46	2.13	21.44	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.82	2.13	23.8	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.83	2.13	23.81	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.49	2.13	23.47	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.51	2.13	22.49	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.46	2.13	23.44	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.04	2.13	24.02	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.62	2.13	23.6	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.65	2.13	22.63	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.43	2.13	23.41	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.73	2.13	23.71	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.47	2.13	23.45	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.5	2.13	22.48	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.68	2.13	22.66	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.46	2.13	22.44	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.61	2.13	22.59	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.52	2.13	21.5	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.49	2.13	22.47	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.23	2.13	23.21	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.67	2.13	22.65	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.59	2.13	21.57	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.42	2.13	22.4	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.84	2.13	22.82	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.7	2.13	22.68	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.61	2.13	21.59	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.6	2.13	23.58	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.83	2.13	23.81	38.45	PASS

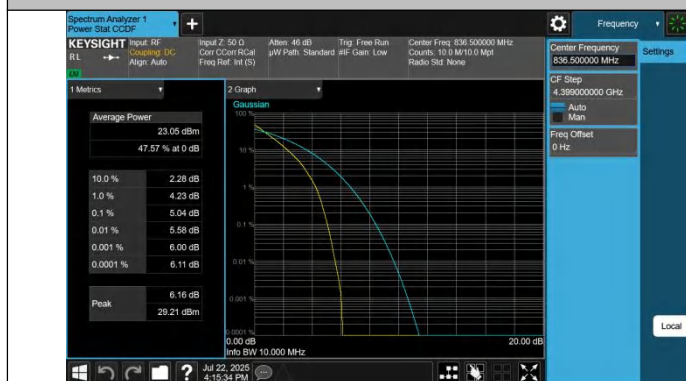
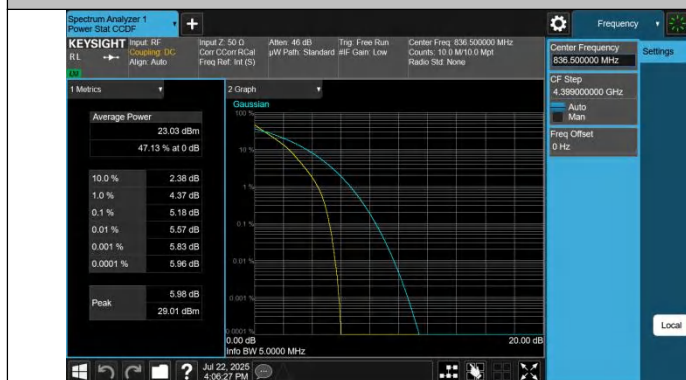
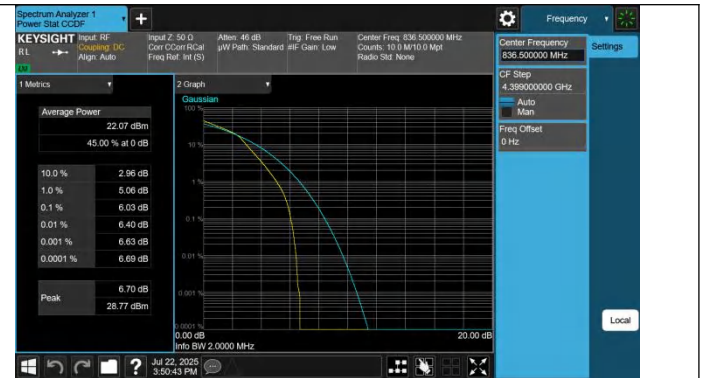
Band5	10MHz	QPSK	20450	1RB#49	23.53	2.13	23.51	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.59	2.13	22.57	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.6	2.13	22.58	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.37	2.13	23.35	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.87	2.13	23.85	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.53	2.13	23.51	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.6	2.13	22.58	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.7	2.13	22.68	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.77	2.13	23.75	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.72	2.13	23.7	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.53	2.13	23.51	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.64	2.13	22.62	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.62	2.13	22.6	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.64	2.13	22.62	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.09	2.13	23.07	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.43	2.13	22.41	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.64	2.13	21.62	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.66	2.13	21.64	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.41	2.13	22.39	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.63	2.13	23.61	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.65	2.13	22.63	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.5	2.13	21.48	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.72	2.13	21.7	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.91	2.13	22.89	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.63	2.13	22.61	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.93	2.13	22.91	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.74	2.13	21.72	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.61	2.13	21.59	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	5.16	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.03	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.22	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.06	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.18	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.00	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.04	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.90	13	PASS

Test Graphs

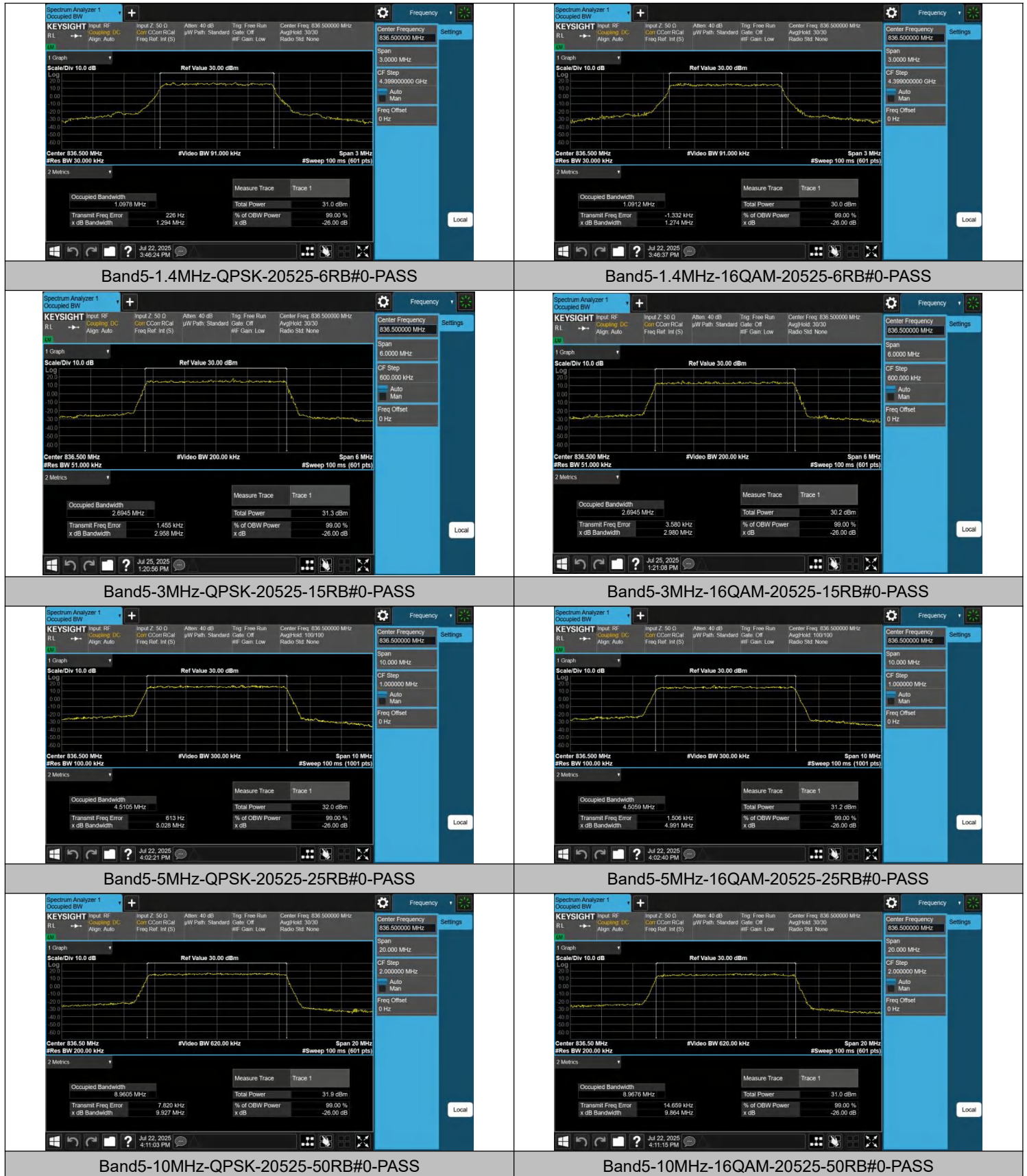


26dB Bandwidth and Occupied Bandwidth

Test Result

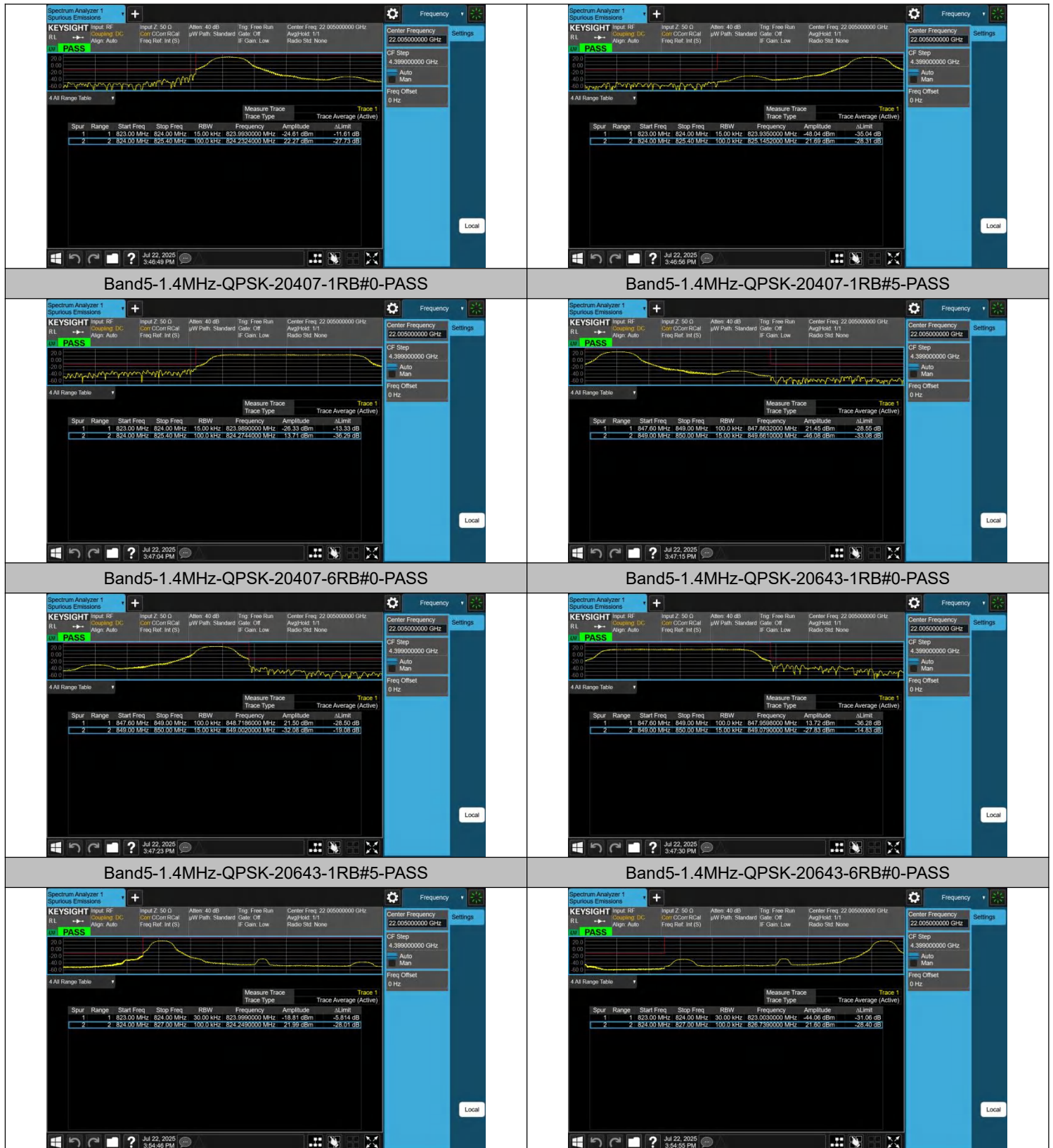
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20525	6RB#0	1.0978	1.294	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0912	1.274	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6945	2.958	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6945	2.980	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5105	5.028	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5059	4.991	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9605	9.927	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9676	9.864	PASS

Test Graphs

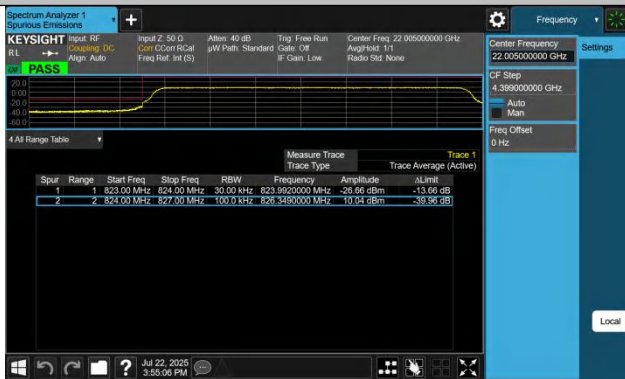


Band Edge

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

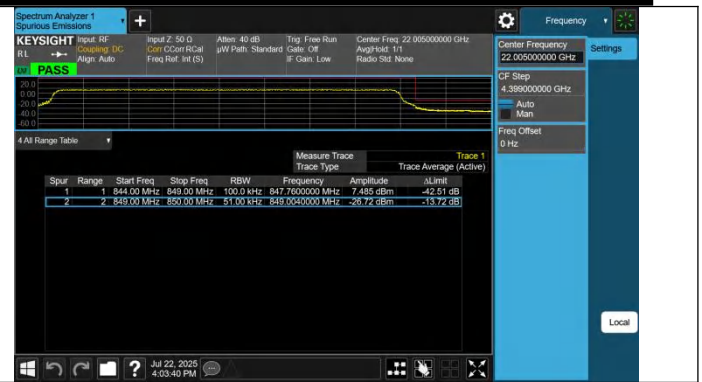


Band5-5MHz-QPSK-20425-25RB#0-PASS

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



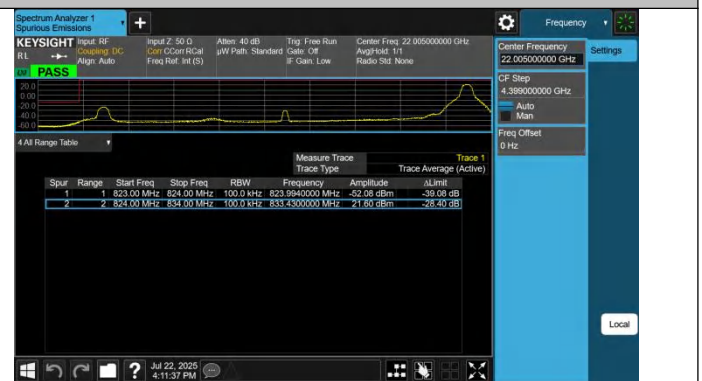
Band5-5MHz-QPSK-20625-1RB#24-PASS



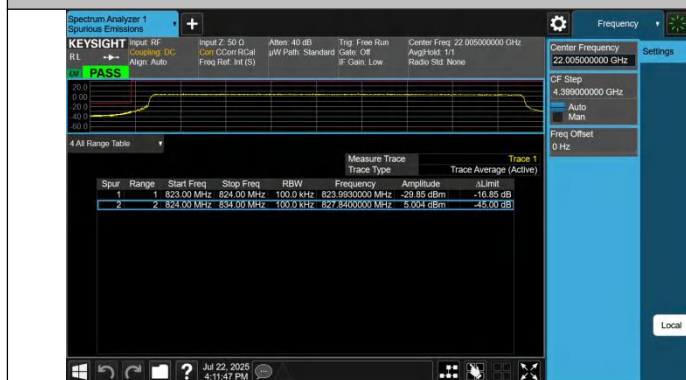
Band5-5MHz-QPSK-20625-25RB#0-PASS



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



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



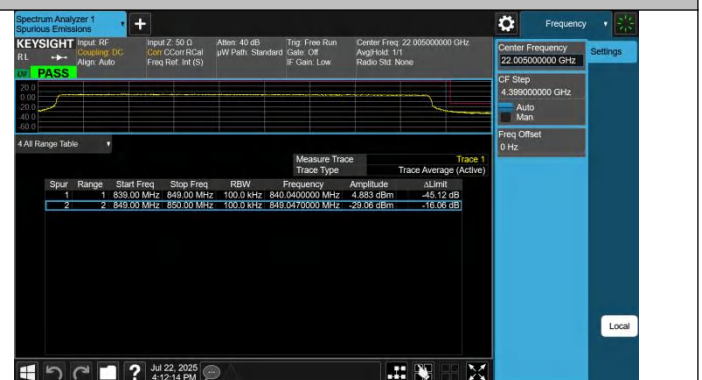
Band5-10MHz-QPSK-20450-50RB#0-PASS



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



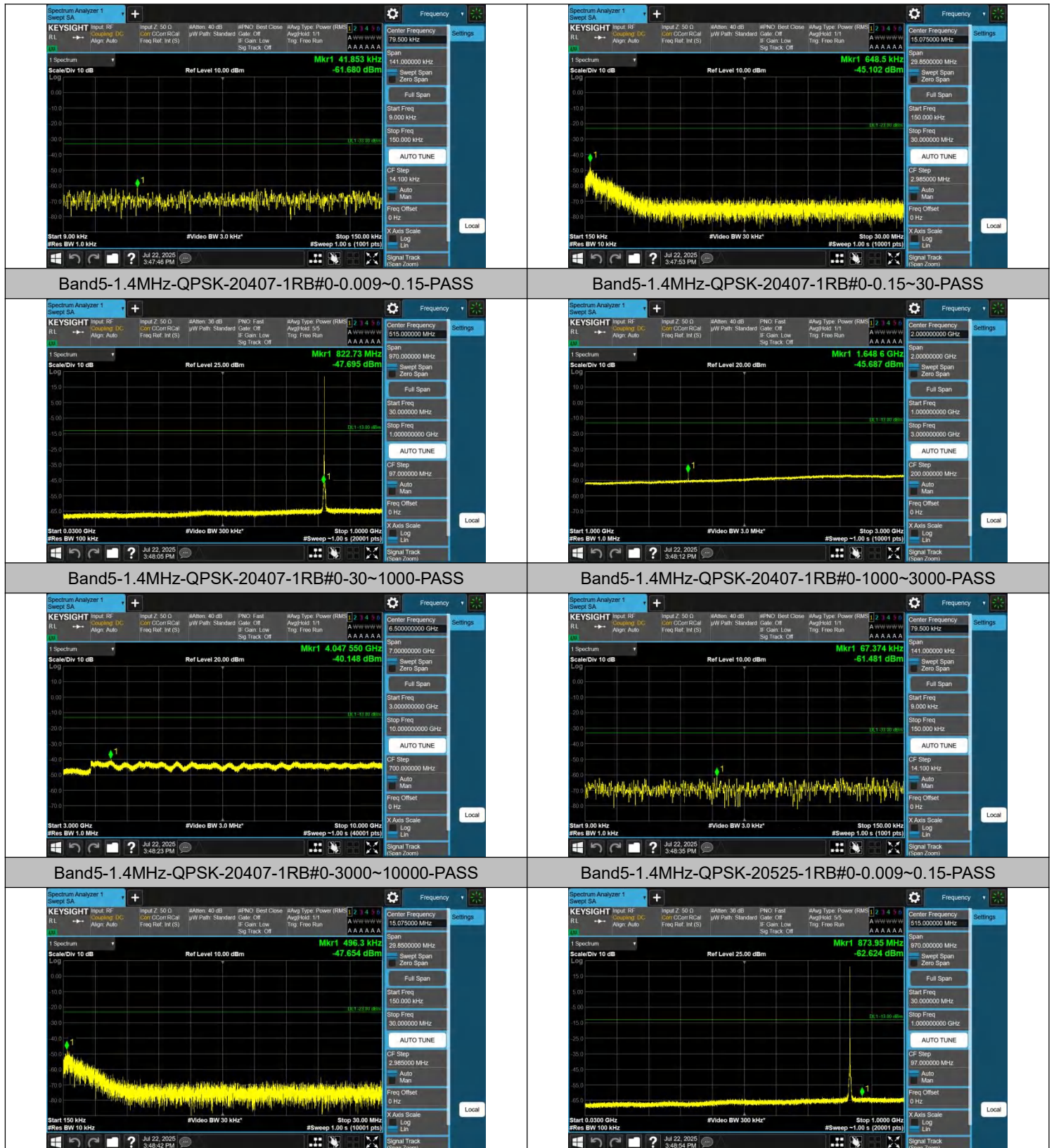
Band5-10MHz-QPSK-20600-1RB#49-PASS



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

Conducted Spurious Emission

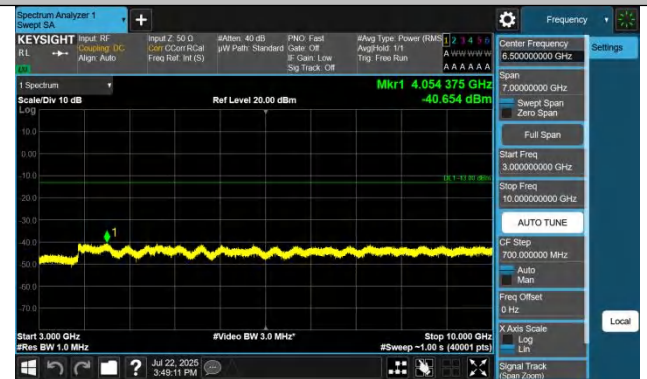
Test Graphs



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



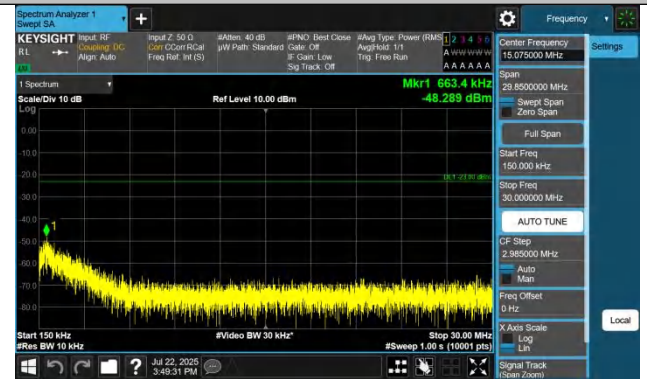
Band5-1.4MHz-QPSK-20525-1RB#0-30~1000-PASS



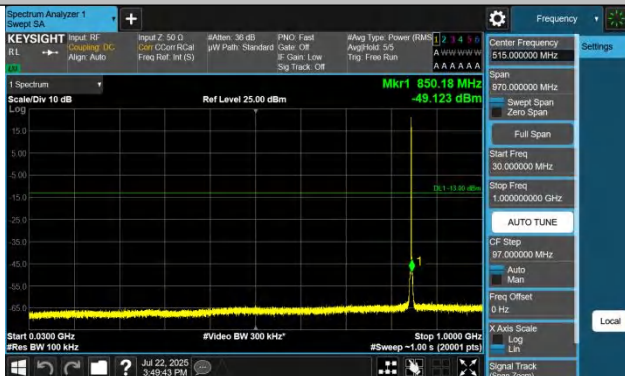
Band5-1.4MHz-QPSK-20525-1RB#0-1000~3000-PASS



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



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



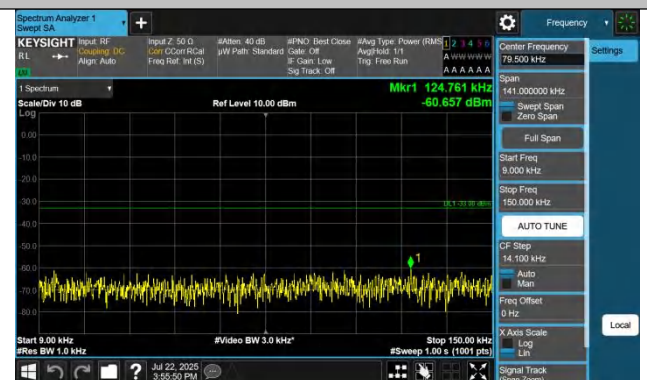
Band5-1.4MHz-QPSK-20643-1RB#0-0.15~30-PASS



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



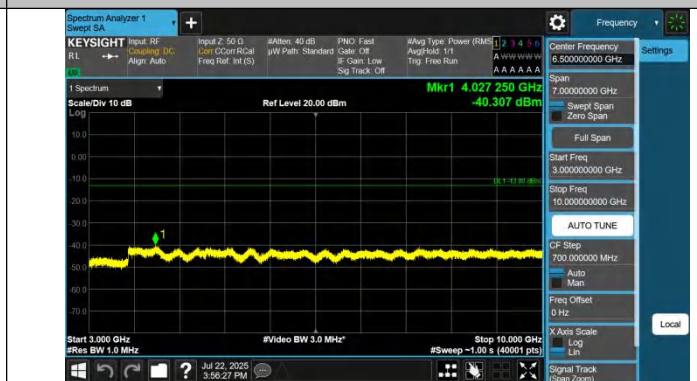
Band5-3MHz-QPSK-20415-1RB#0-0.15~30-PASS



Band5-3MHz-QPSK-20415-1RB#0-30~1000-PASS



Band5-3MHz-QPSK-20415-1RB#0-1000~3000-PASS



Band5-3MHz-QPSK-20415-1RB#0-3000~10000-PASS



Band5-3MHz-QPSK-20525-1RB#0-0.009~0.15-PASS



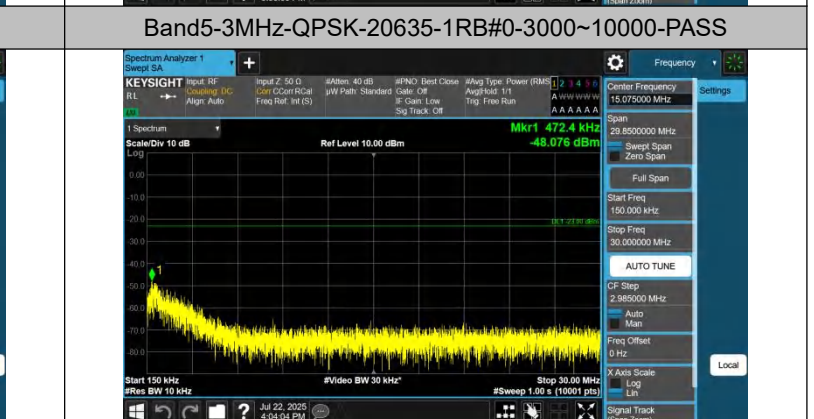
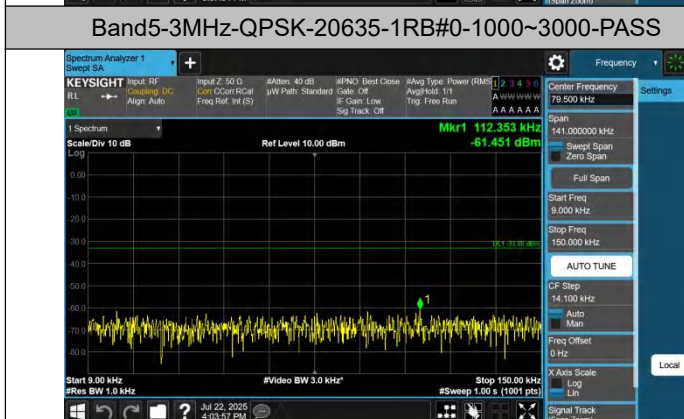
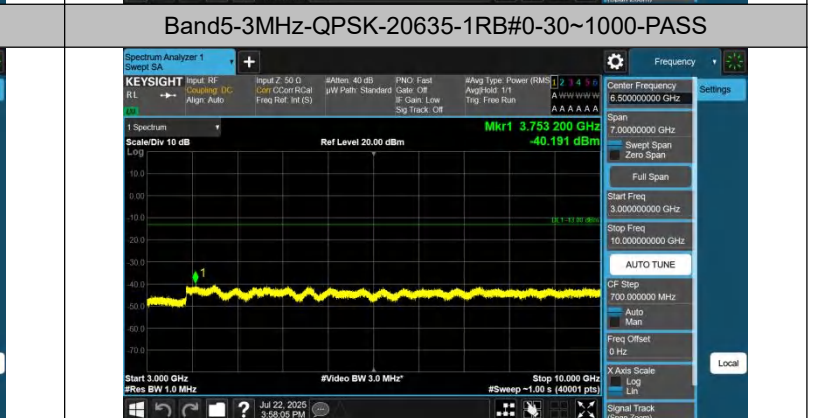
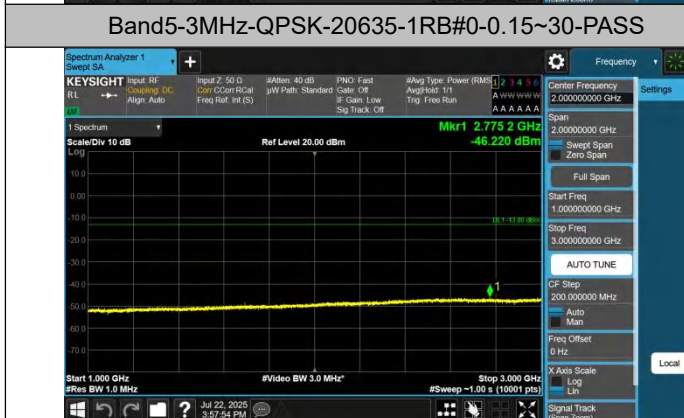
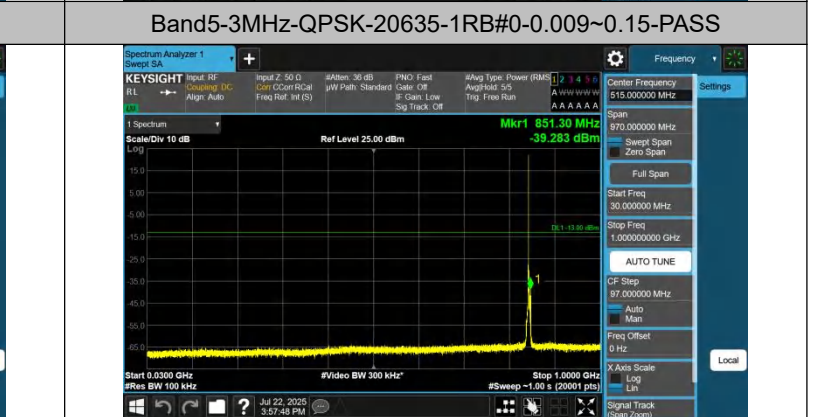
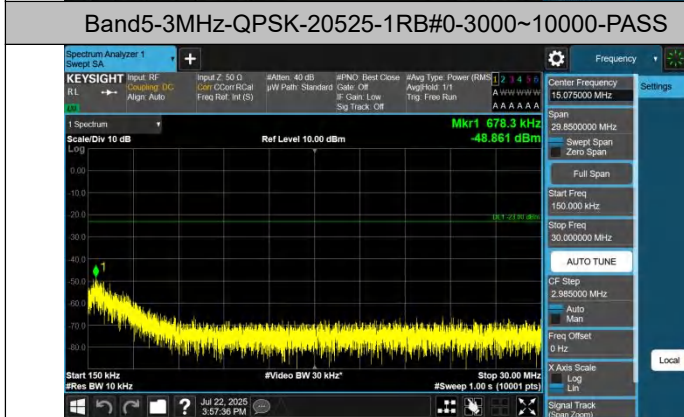
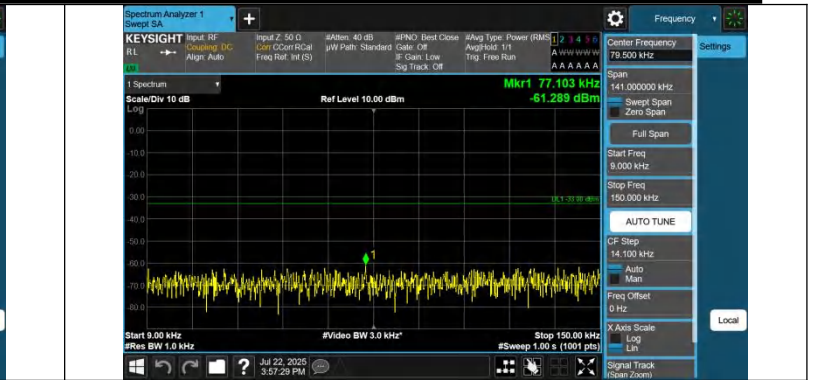
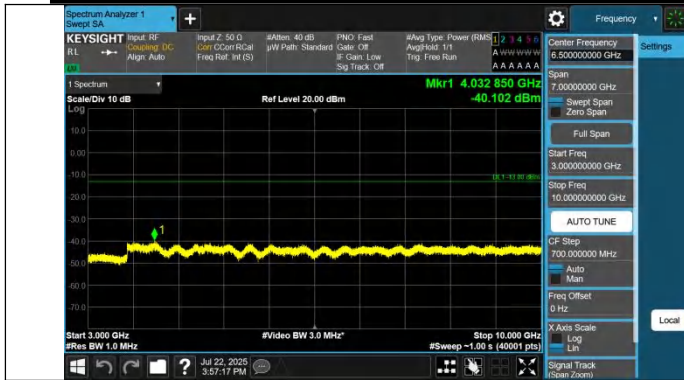
Band5-3MHz-QPSK-20525-1RB#0-0.15~30-PASS

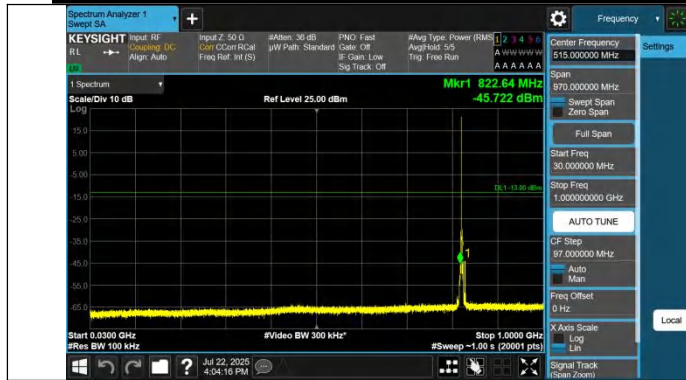


Band5-3MHz-QPSK-20525-1RB#0-30~1000-PASS



Band5-3MHz-QPSK-20525-1RB#0-1000~3000-PASS

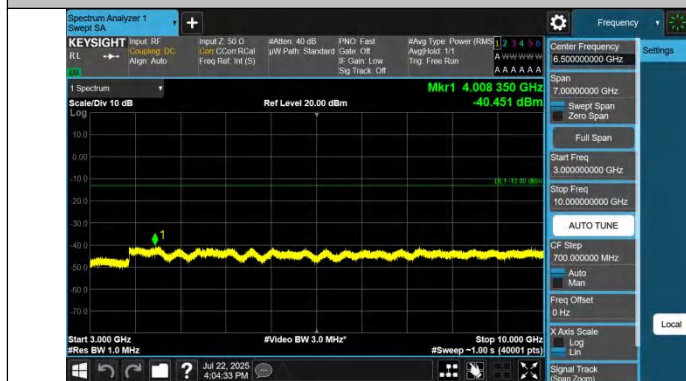




Band5-5MHz-QPSK-20425-1RB#0-30~1000-PASS



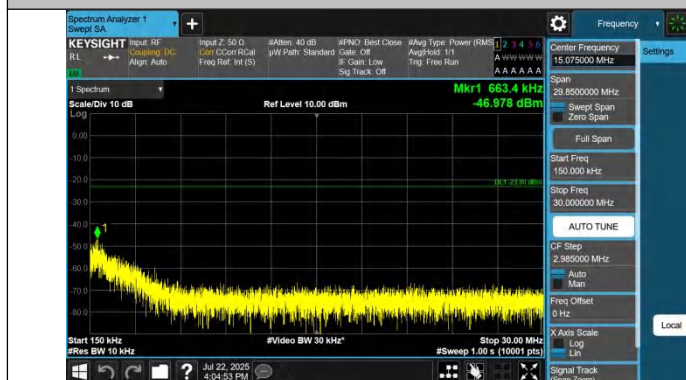
Band5-5MHz-QPSK-20425-1RB#0-1000~3000-PASS



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



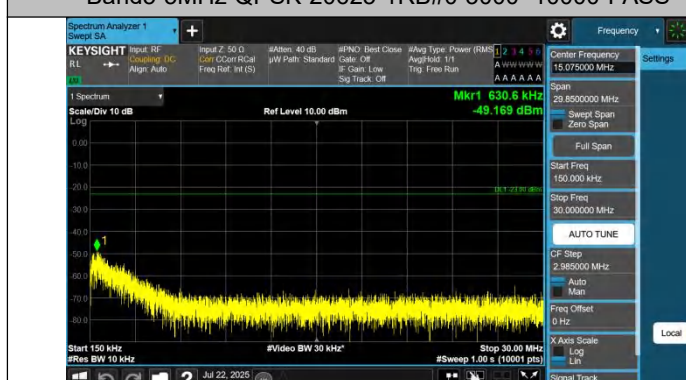
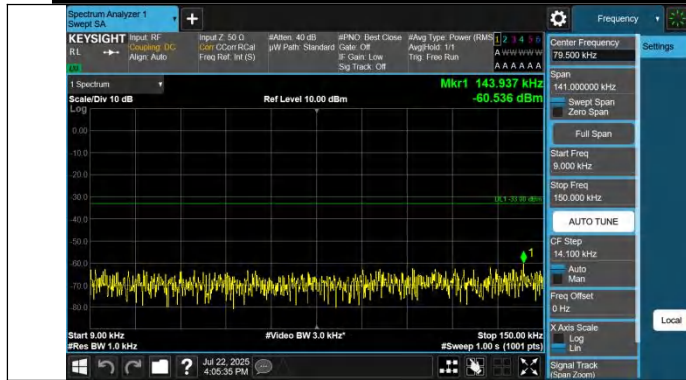
Band5-5MHz-QPSK-20525-1RB#0-30~1000-PASS



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

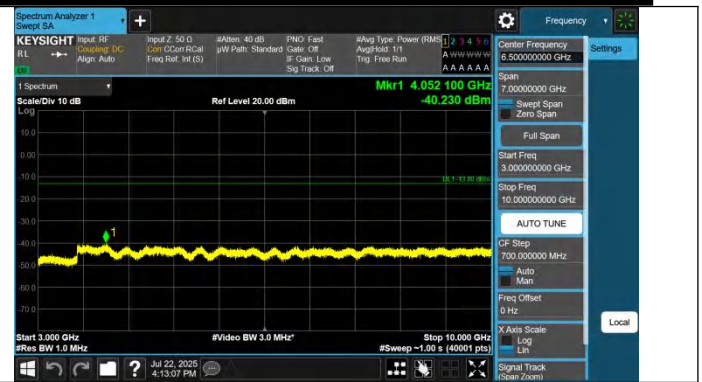


Band5-5MHz-QPSK-20525-1RB#0-3000~10000-PASS

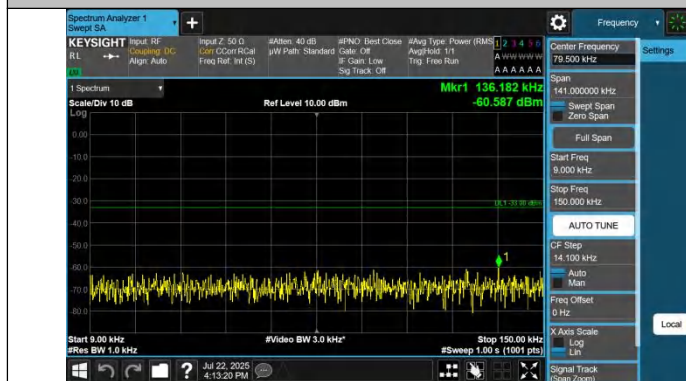




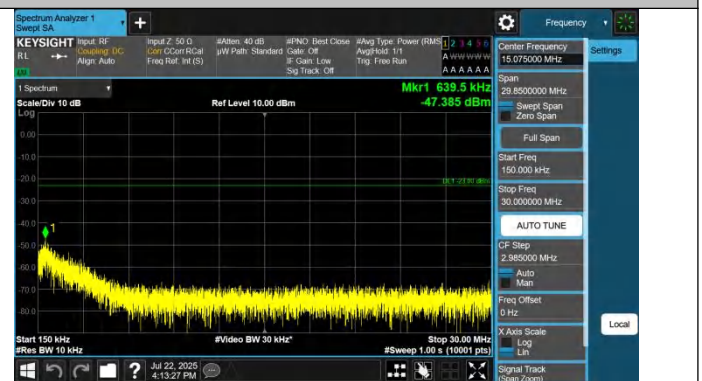
Band5-10MHz-QPSK-20450-1RB#0-1000~3000-PASS



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



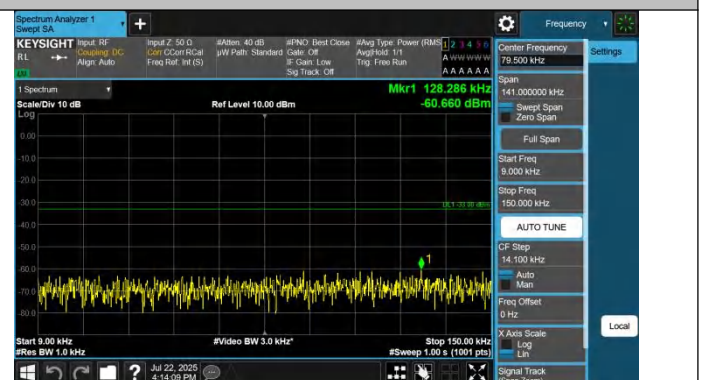
Band5-10MHz-QPSK-20525-1RB#0-30~1000-PASS



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	-1.48	-0.001769	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-2.40	-0.002869	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-1.13	-0.001351	±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	-1.89	-0.002259	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-1.94	-0.002319	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-2.13	-0.002546	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-2.29	-0.002738	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-1.32	-0.001578	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-2.33	-0.002785	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-2.76	-0.003299	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-1.18	-0.001411	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-4.13	-0.004937	±2.5	PASS

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