

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	22.9	2.13	22.88	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	23.06	2.13	23.04	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.26	2.13	23.24	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.29	2.13	23.27	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.35	2.13	22.33	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.2	2.13	23.18	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.14	2.13	23.12	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.02	2.13	23	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.42	2.13	22.4	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.34	2.13	23.32	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.23	2.13	23.21	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.37	2.13	22.35	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.34	2.13	21.32	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.41	2.13	22.39	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.23	2.13	22.21	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.68	2.13	22.66	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.32	2.13	21.3	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.39	2.13	22.37	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.42	2.13	22.4	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.25	2.13	22.23	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.47	2.13	21.45	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.53	2.13	22.51	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.34	2.13	22.32	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.2	2.13	23.18	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.43	2.13	22.41	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.25	2.13	23.23	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.3	2.13	23.28	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.43	2.13	23.41	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.32	2.13	22.3	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.16	2.13	23.14	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.46	2.13	23.44	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.36	2.13	23.34	38.45	PASS

Band5	3MHz	QPSK	20635	15RB#0	22.38	2.13	22.36	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.23	2.13	23.21	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.07	2.13	23.05	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.43	2.13	22.41	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.5	2.13	21.48	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.32	2.13	22.3	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.43	2.13	22.41	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.41	2.13	22.39	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.28	2.13	21.26	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.44	2.13	22.42	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.95	2.13	21.93	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.3	2.13	22.28	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.26	2.13	21.24	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.23	2.13	22.21	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.27	2.13	22.25	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.02	2.13	23	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.33	2.13	22.31	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.49	2.13	23.47	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.34	2.13	23.32	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.28	2.13	23.26	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.36	2.13	22.34	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.31	2.13	23.29	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.17	2.13	23.15	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.21	2.13	23.19	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.32	2.13	22.3	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.35	2.13	23.33	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.42	2.13	23.4	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.78	2.13	21.76	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.64	2.13	21.62	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.19	2.13	22.17	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.22	2.13	22.2	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.45	2.13	22.43	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.25	2.13	21.23	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.24	2.13	22.22	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.18	2.13	22.16	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.22	2.13	22.2	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.47	2.13	21.45	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.94	2.13	21.92	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.28	2.13	22.26	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.09	2.13	23.07	38.45	PASS

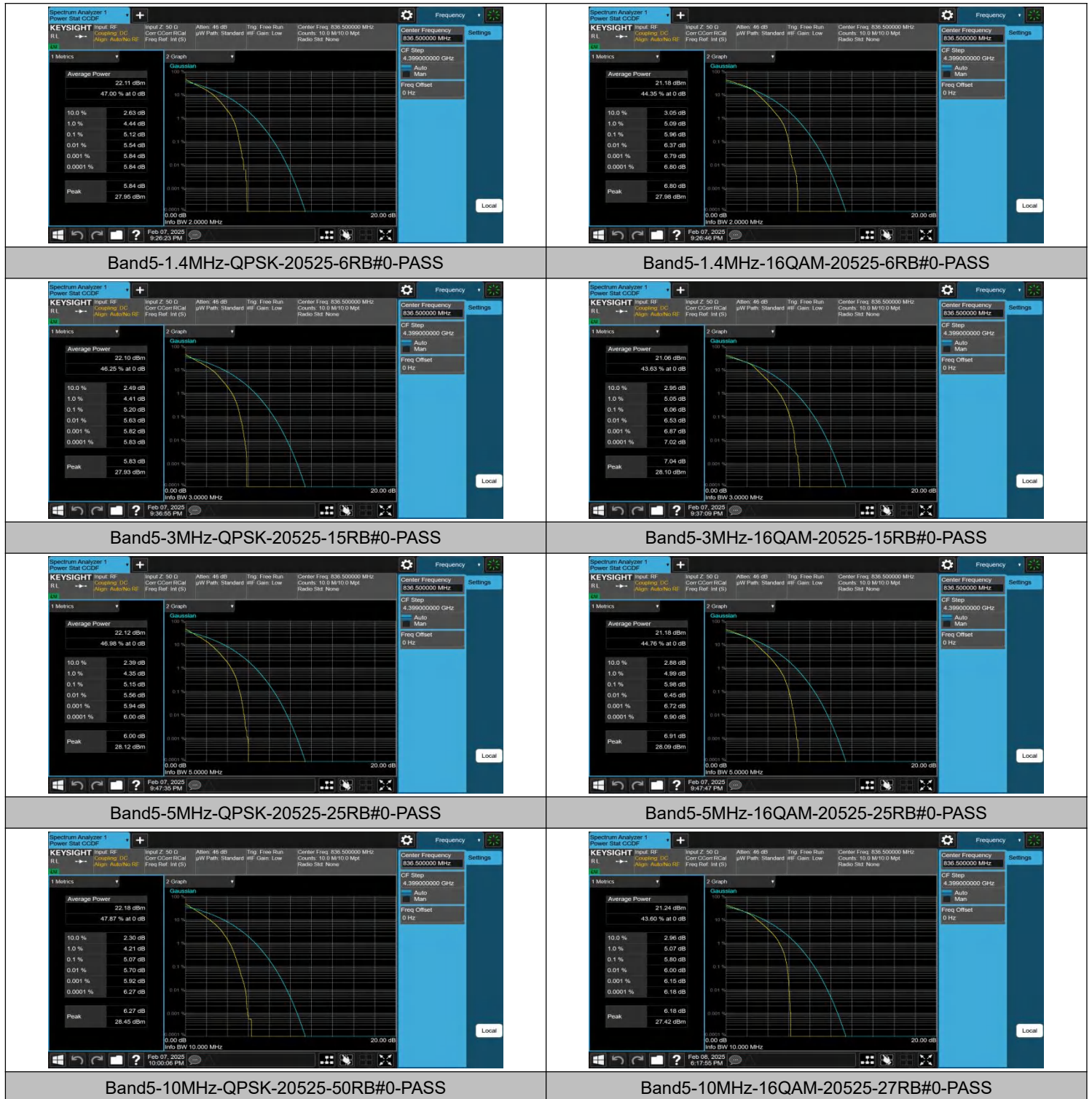
Band5	10MHz	QPSK	20450	50RB#0	22.36	2.13	22.34	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.42	2.13	23.4	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.18	2.13	23.16	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.09	2.13	23.07	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.36	2.13	22.34	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.21	2.13	23.19	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.29	2.13	23.27	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.21	2.13	23.19	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.3	2.13	22.28	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.61	2.13	23.59	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.34	2.13	23.32	38.45	PASS
Band5	10MHz	16QAM	20450	27RB#0	21.51	2.13	21.49	38.45	PASS
Band5	10MHz	16QAM	20525	27RB#0	21.28	2.13	21.26	38.45	PASS
Band5	10MHz	16QAM	20600	27RB#0	21.35	2.13	21.33	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.14	2.13	22.12	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.67	2.13	22.65	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.35	2.13	22.33	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.45	2.13	22.43	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.58	2.13	22.56	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.99	2.13	21.97	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.67	2.13	22.65	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.11	2.13	23.09	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.49	2.13	22.47	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	5.12	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.96	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.20	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.06	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.15	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.98	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.07	13	PASS
Band5	10MHz	16QAM	20525	27RB#0	5.80	13	PASS

Test Graphs

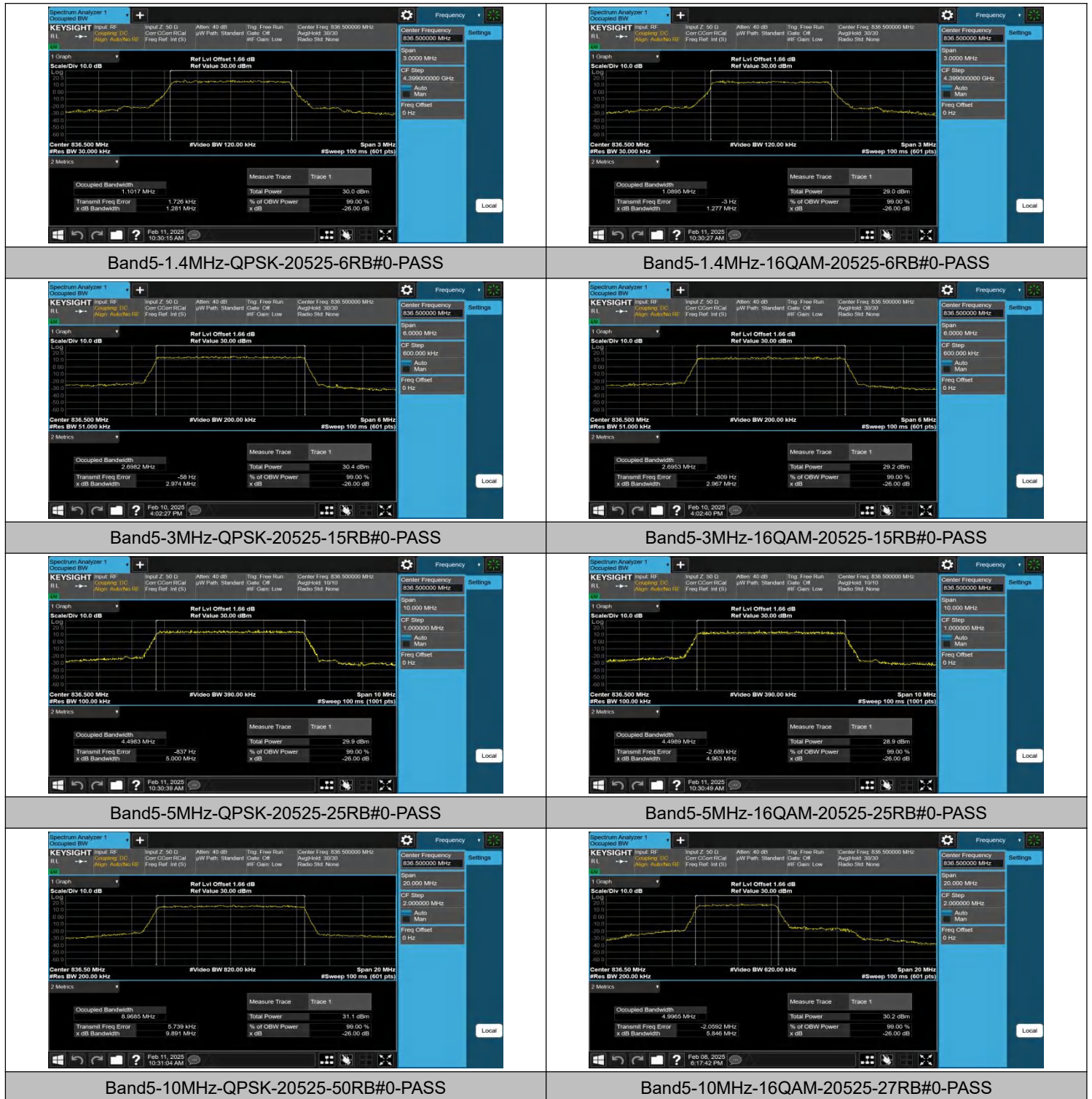


26dB Bandwidth and Occupied Bandwidth

Test Result

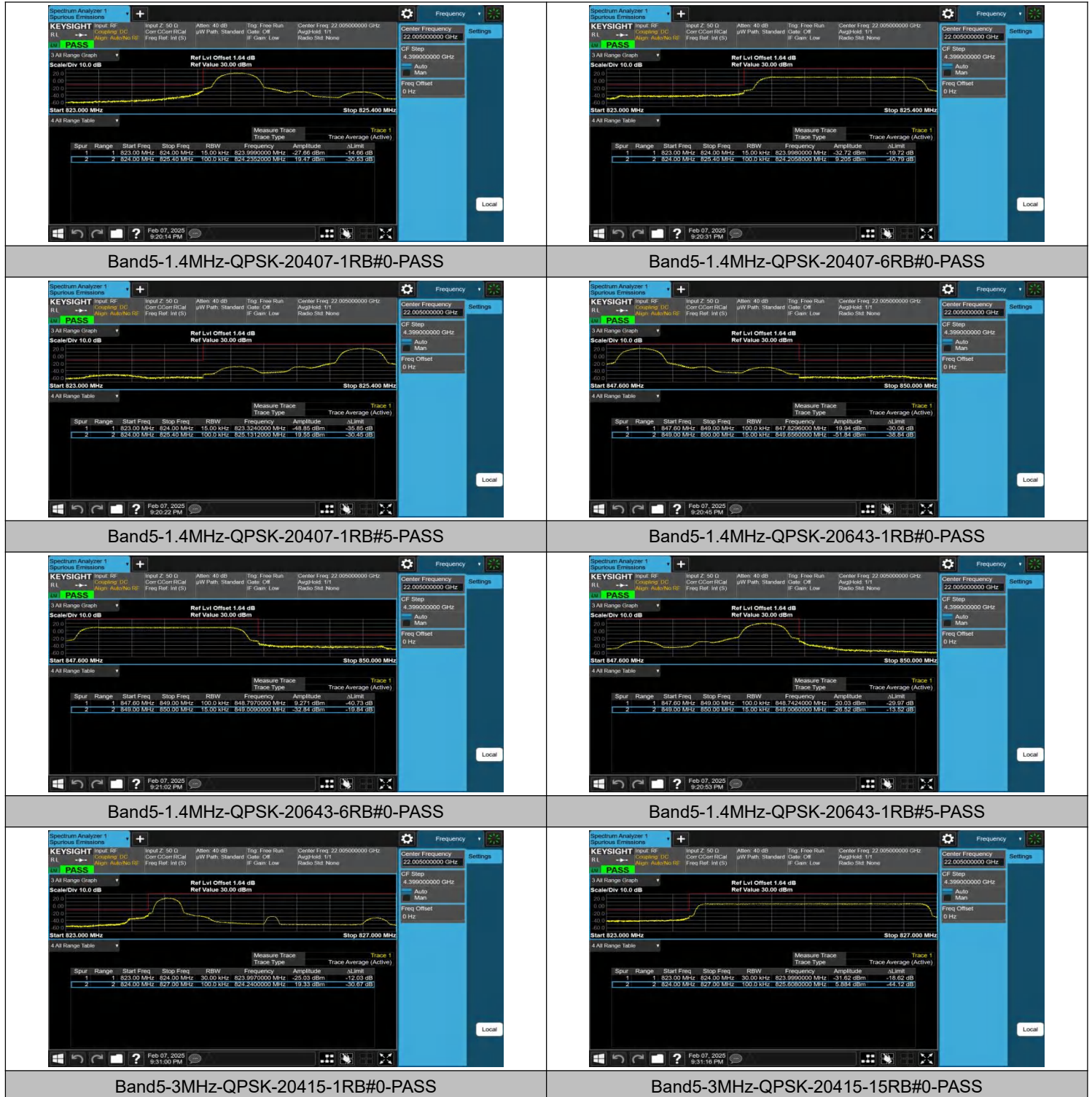
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20525	6RB#0	1.1017	1.281	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0895	1.277	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6982	2.974	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6953	2.967	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4983	5.000	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4989	4.963	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9685	9.891	PASS
Band5	10MHz	16QAM	20525	27RB#0	4.9965	5.846	PASS

Test Graphs



Band Edge

Test Graphs

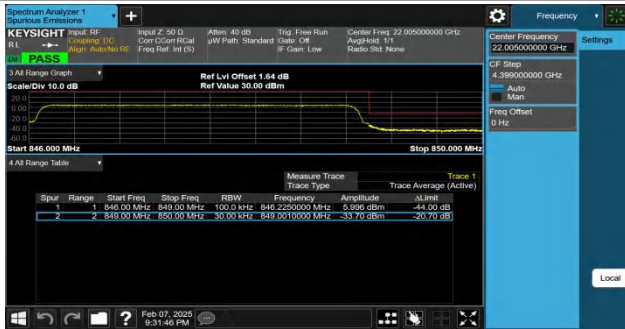




Band5-3MHz-QPSK-20415-1RB#14-PASS



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



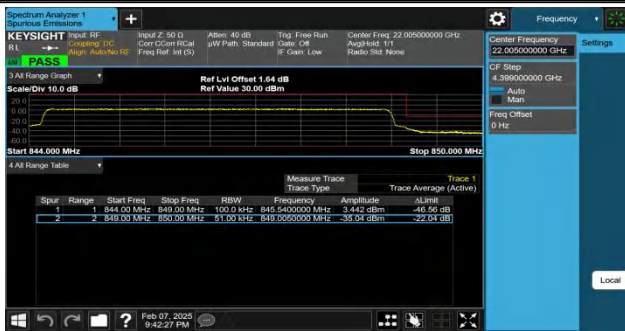
Band5-5MHz-QPSK-20625-1RB#14-PASS



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



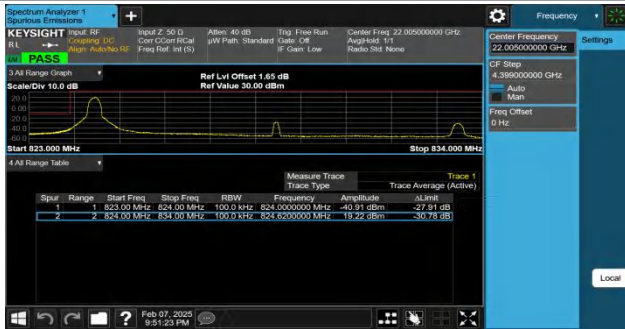
Band5-5MHz-QPSK-20625-1RB#0-PASS



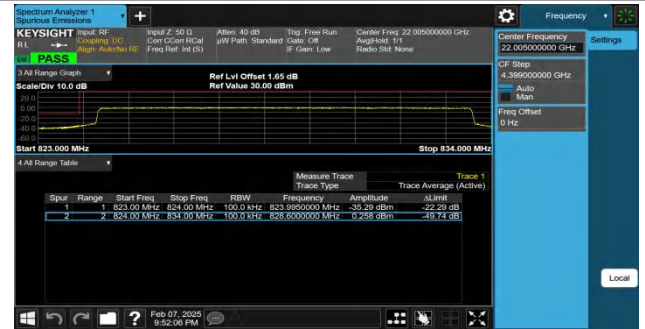
Band5-5MHz-QPSK-20625-25RB#0-PASS



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



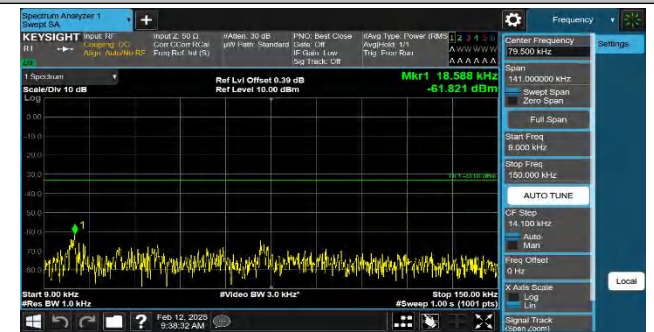
Band5-1.4MHz-QPSK-20407-1RB#0-0.009~0.15-PASS

Band5-1.4MHz-QPSK-20407-1RB#0-0.15~30-PASS



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

Band5-1.4MHz-QPSK-20407-1RB#0-1000~3000-PASS



Band5-1.4MHz-QPSK-20407-1RB#0-3000~10000-PASS

Band5-1.4MHz-QPSK-20407-1RB#5-0.009~0.15-PASS



Band5-1.4MHz-QPSK-20407-1RB#5-0.15~30-PASS

Band5-1.4MHz-QPSK-20407-1RB#5-30~1000-PASS



Band5-1.4MHz-QPSK-20407-1RB#5-1000~3000-PASS



Band5-1.4MHz-QPSK-20407-1RB#5-3000~10000-PASS



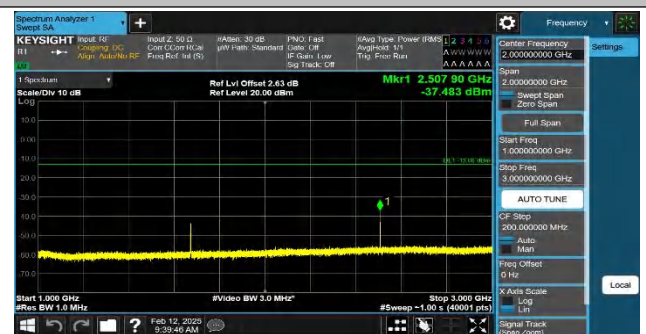
Band5-1.4MHz-QPSK-20525-1RB#0-0.009~0.15-PASS



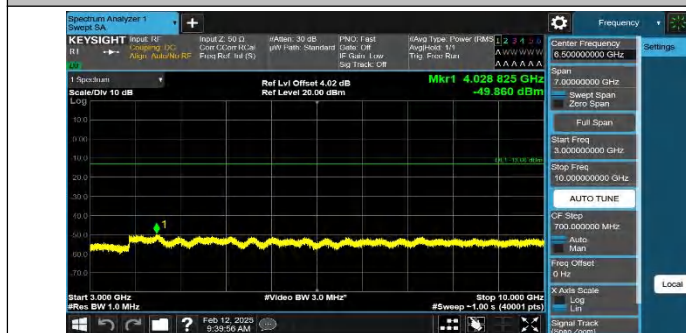
Band5-1.4MHz-QPSK-20525-1RB#0-0.15~30-PASS



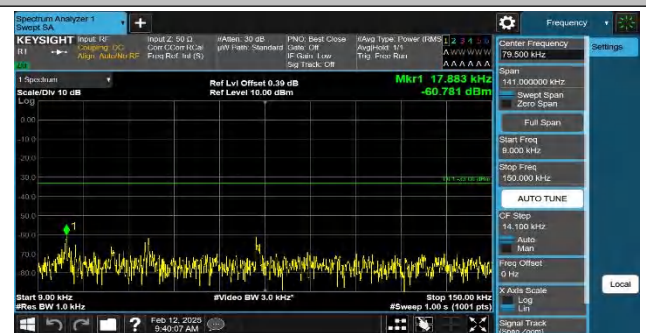
Band5-1.4MHz-QPSK-20525-1RB#0-30~1000-PASS



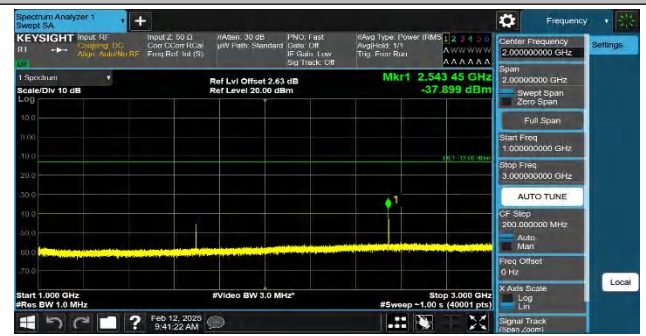
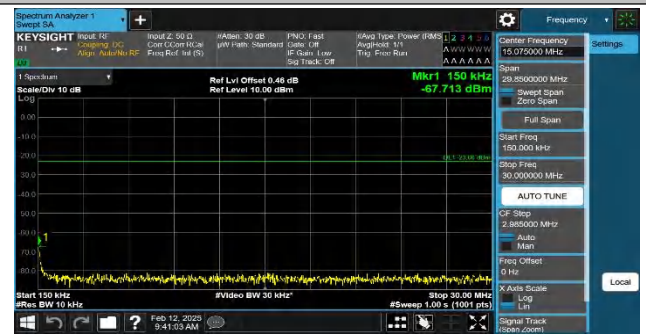
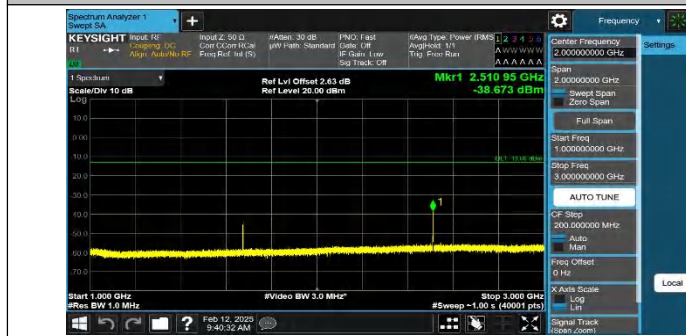
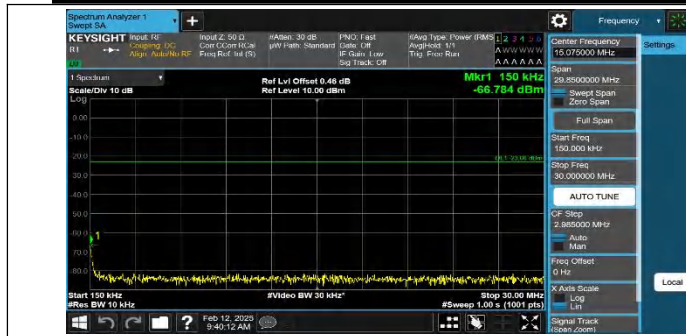
Band5-1.4MHz-QPSK-20525-1RB#0-1000~3000-PASS

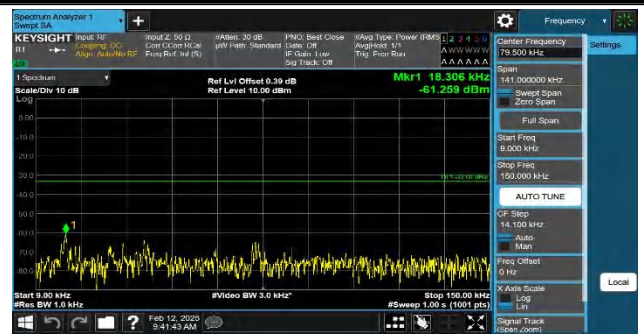


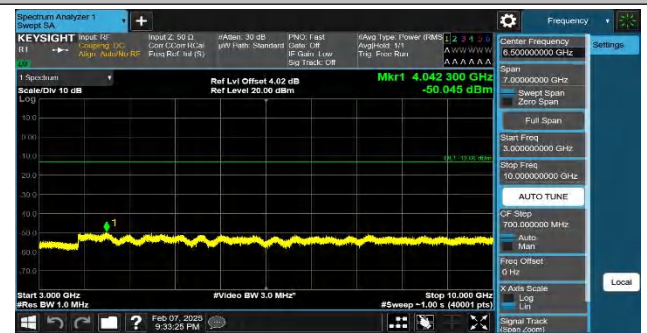
Band5-1.4MHz-QPSK-20525-1RB#0-3000~10000-PASS

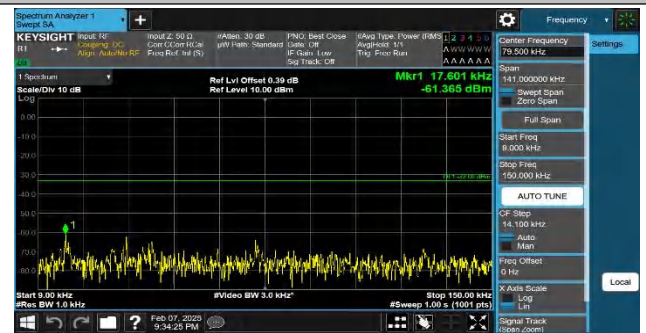
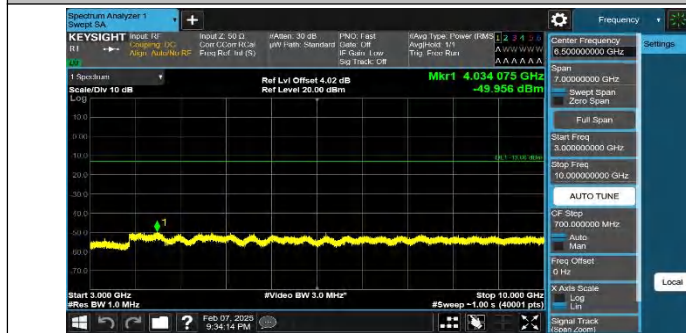
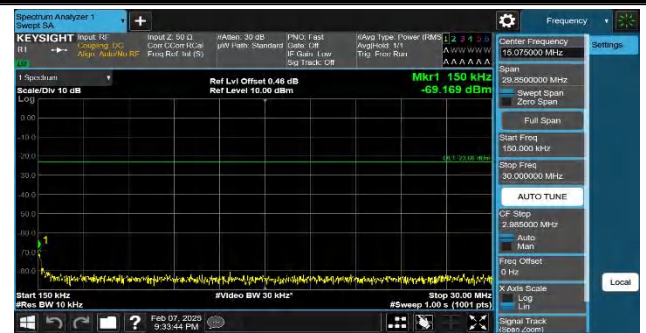


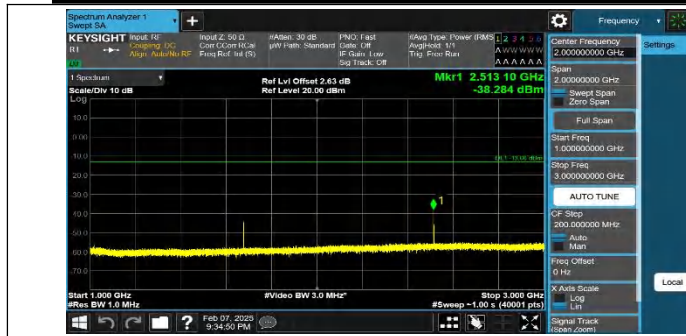
Band5-1.4MHz-QPSK-20525-1RB#5-0.009~0.15-PASS











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



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



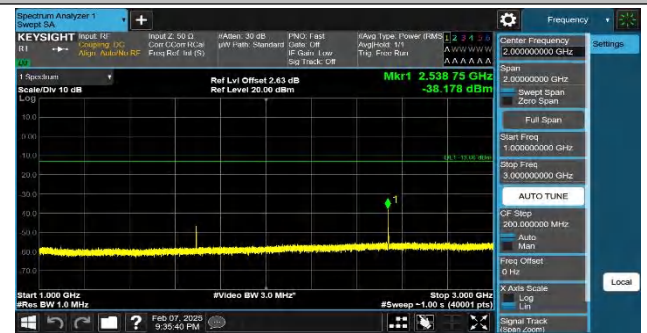
Band5-3MHz-QPSK-20635-1RB#0-0.009~0.15-PASS



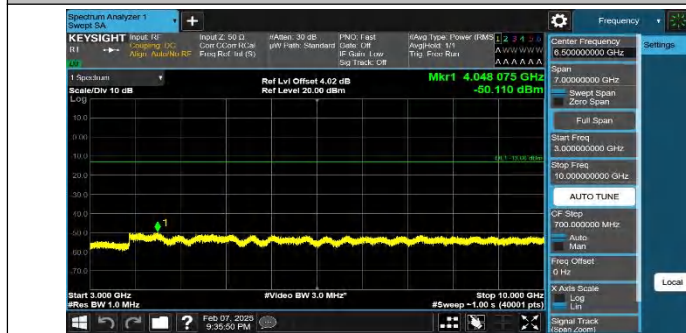
Band5-3MHz-QPSK-20635-1RB#0-0.15~30-PASS



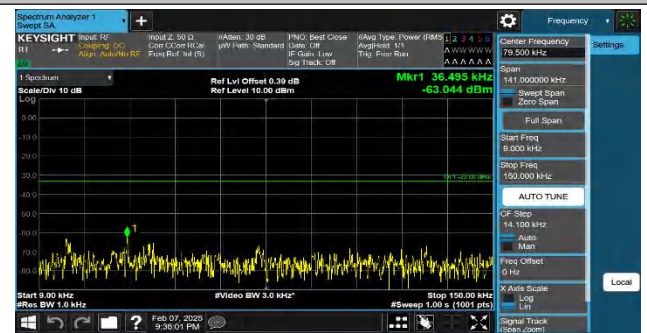
Band5-3MHz-QPSK-20635-1RB#0-30~1000-PASS



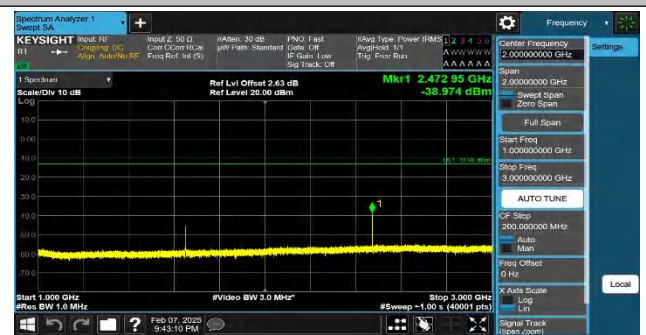
Band5-3MHz-QPSK-20635-1RB#0-1000~3000-PASS



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



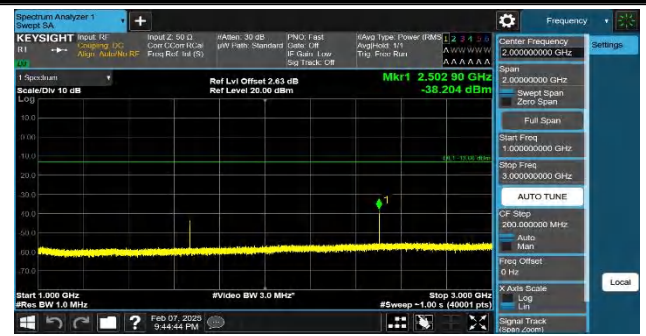
Band5-3MHz-QPSK-20635-1RB#14-0.009~0.15-PASS







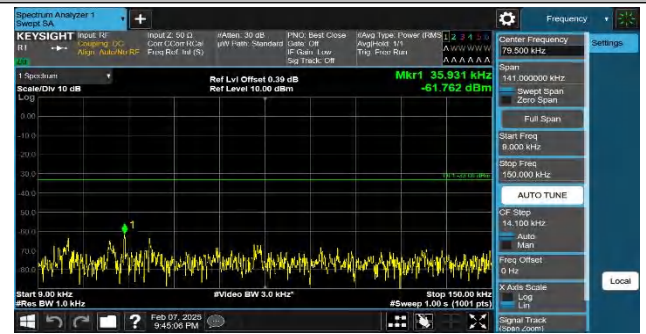
Band5-5MHz-QPSK-20525-1RB#0-30~1000-PASS



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



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



Band5-5MHz-QPSK-20525-1RB#24-0.009~0.15-PASS



Band5-5MHz-QPSK-20525-1RB#24-0.15~30-PASS



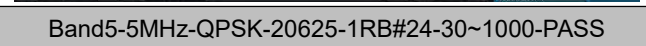
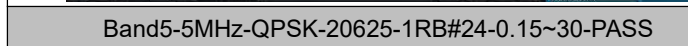
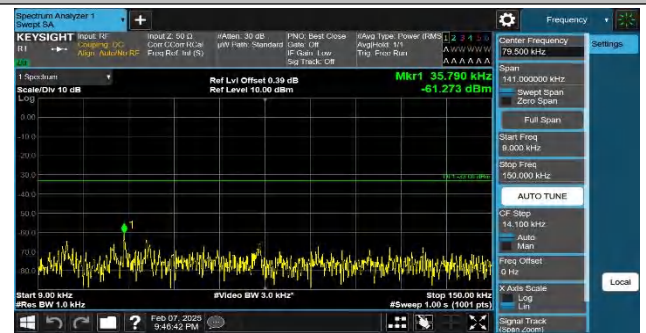
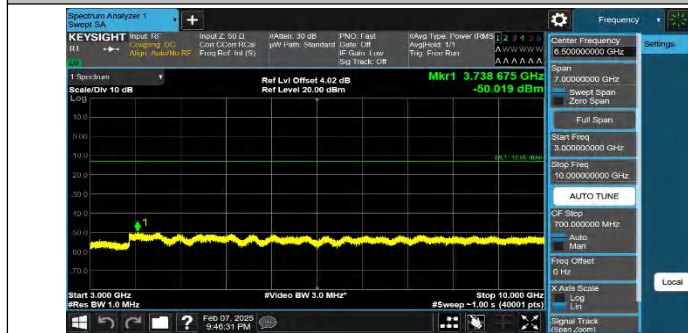
Band5-5MHz-QPSK-20525-1RB#24-30~1000-PASS

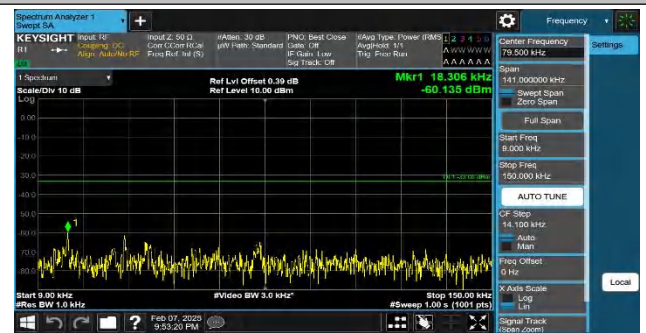
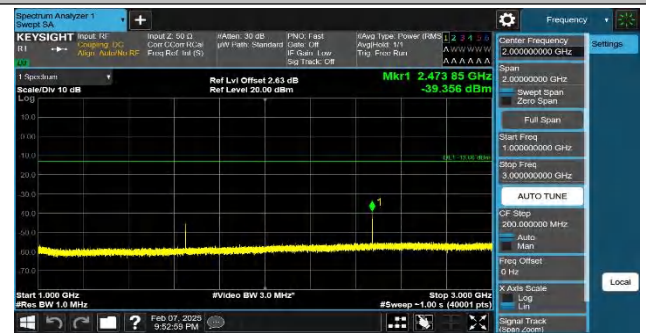
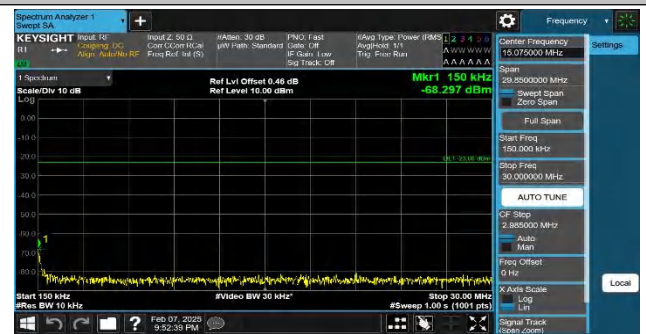
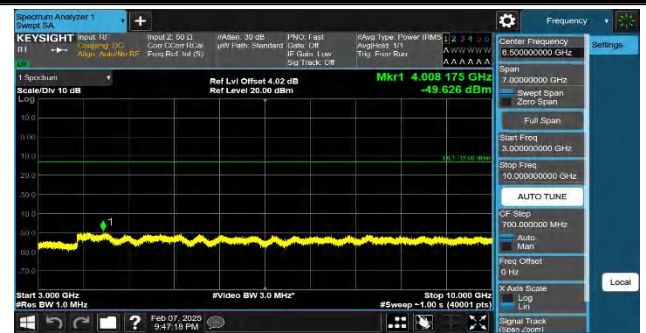
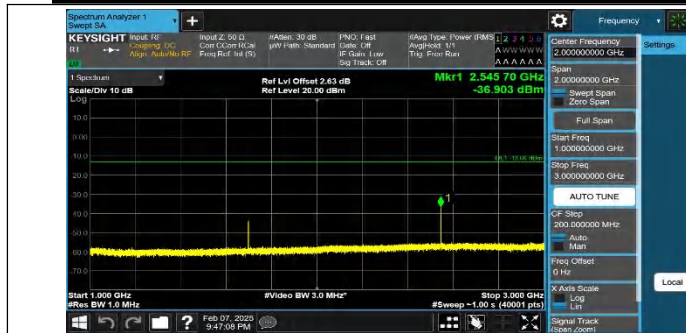


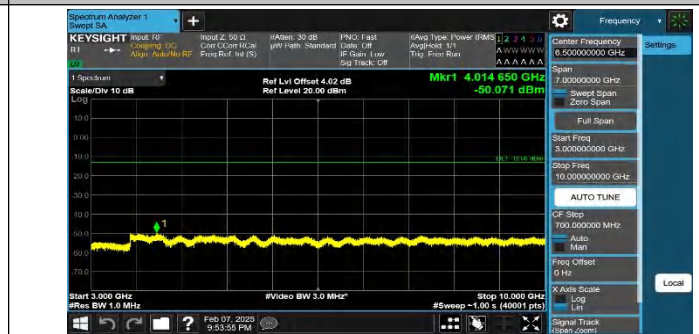
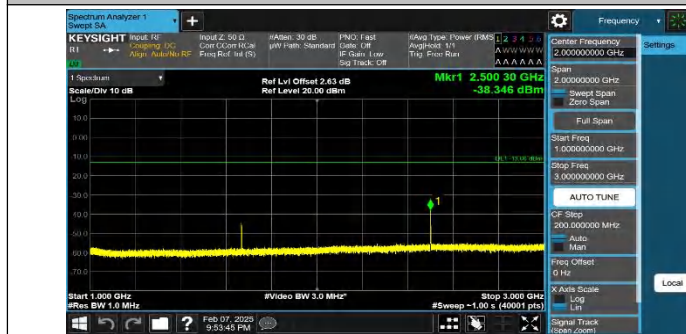
Band5-5MHz-QPSK-20525-1RB#24-1000~3000-PASS



Band5-5MHz-QPSK-20525-1RB#24-3000~10000-PASS



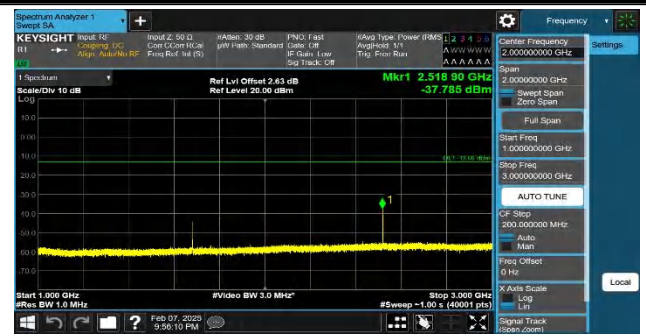








Band5-10MHz-QPSK-20600-1RB#0-30~1000-PASS



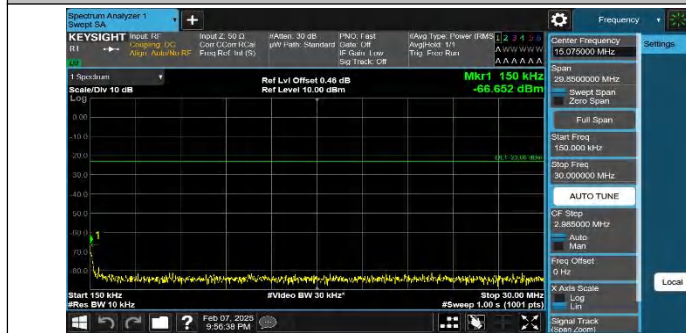
Band5-10MHz-QPSK-20600-1RB#0-1000~3000-PASS



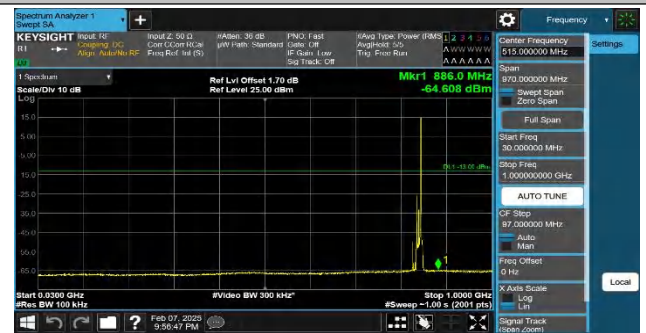
Band5-10MHz-QPSK-20600-1RB#0-3000~10000-PASS



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



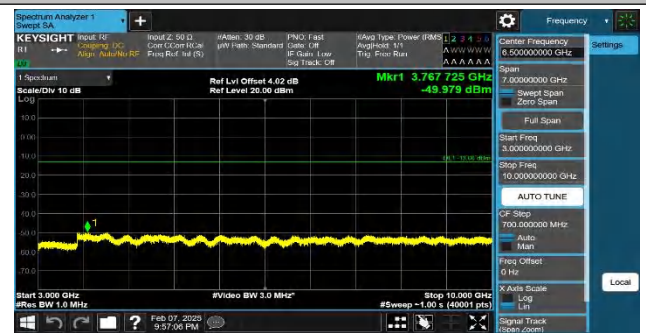
Band5-10MHz-QPSK-20600-1RB#49-0.15~30-PASS



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 Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band 5	10MHz	QPSK	20525	50RB#0	VN	NT	2.13	0.002546	±2.5	---	---	---	PASS
Band 5	10MHz	QPSK	20525	50RB#0	VL	NT	-1.19	-0.001423	±2.5	---	---	---	PASS
Band 5	10MHz	QPSK	20525	50RB#0	VH	NT	2.41	0.002881	±2.5	---	---	---	PASS

Temperature													
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band 5	10MHz	QPSK	20525	50RB#0	NV	-30	-2.46	-0.002941	±2.5	---	---	---	PASS
Band 5	10MHz	QPSK	20525	50RB#0	NV	-20	-2.06	-0.002463	±2.5	---	---	---	PASS
Band 5	10MHz	QPSK	20525	50RB#0	NV	-10	-4.21	-0.005033	±2.5	---	---	---	PASS
Band 5	10MHz	QPSK	20525	50RB#0	NV	0	-2.73	-0.003264	±2.5	---	---	---	PASS
Band 5	10MHz	QPSK	20525	50RB#0	NV	10	3.09	0.003694	±2.5	---	---	---	PASS
Band 5	10MHz	QPSK	20525	50RB#0	NV	20	2.17	0.002594	±2.5	---	---	---	PASS
Band 5	10MHz	QPSK	20525	50RB#0	NV	30	-2.67	-0.003192	±2.5	---	---	---	PASS
Band 5	10MHz	QPSK	20525	50RB#0	NV	40	-1.39	-0.001662	±2.5	---	---	---	PASS
Band 5	10MHz	QPSK	20525	50RB#0	NV	50	-1.80	-0.002152	±2.5	---	---	---	PASS

----- THE END -----