

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	23.07	2.13	23.05	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.58	2.13	22.56	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.44	2.13	23.42	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.07	2.13	23.05	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.22	2.13	23.2	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.69	2.13	22.67	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.46	2.13	23.44	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.32	2.13	23.3	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.07	2.13	23.05	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.64	2.13	22.62	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.42	2.13	23.4	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.13	2.13	23.11	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.55	2.13	22.53	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.49	2.13	21.47	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.76	2.13	22.74	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.66	2.13	22.64	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.69	2.13	22.67	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.64	2.13	21.62	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.82	2.13	22.8	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.56	2.13	22.54	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.45	2.13	22.43	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.59	2.13	21.57	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.87	2.13	22.85	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.71	2.13	22.69	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.17	2.13	23.15	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.52	2.13	22.5	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.16	2.13	23.14	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.05	2.13	23.03	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.39	2.13	23.37	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.61	2.13	22.59	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.19	2.13	23.17	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.35	2.13	23.33	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.39	2.13	23.37	38.45	PASS

Band5	3MHz	QPSK	20635	15RB#0	22.67	2.13	22.65	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.33	2.13	23.31	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.2	2.13	23.18	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.7	2.13	22.68	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.6	2.13	21.58	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.4	2.13	22.38	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.58	2.13	22.56	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.89	2.13	22.87	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.5	2.13	21.48	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.74	2.13	22.72	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.6	2.13	22.58	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.02	2.13	23	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.57	2.13	21.55	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.53	2.13	22.51	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.5	2.13	22.48	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.52	2.13	23.5	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.4	2.13	22.38	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.46	2.13	23.44	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.23	2.13	23.21	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.4	2.13	23.38	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.61	2.13	22.59	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.39	2.13	23.37	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.42	2.13	23.4	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.43	2.13	23.41	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.57	2.13	22.55	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.46	2.13	23.44	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.38	2.13	23.36	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.24	2.13	22.22	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.56	2.13	21.54	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.34	2.13	22.32	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.33	2.13	22.31	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.5	2.13	22.48	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.63	2.13	21.61	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.5	2.13	22.48	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.53	2.13	22.51	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.6	2.13	22.58	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.84	2.13	21.82	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.62	2.13	22.6	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.49	2.13	22.47	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.11	2.13	23.09	38.45	PASS

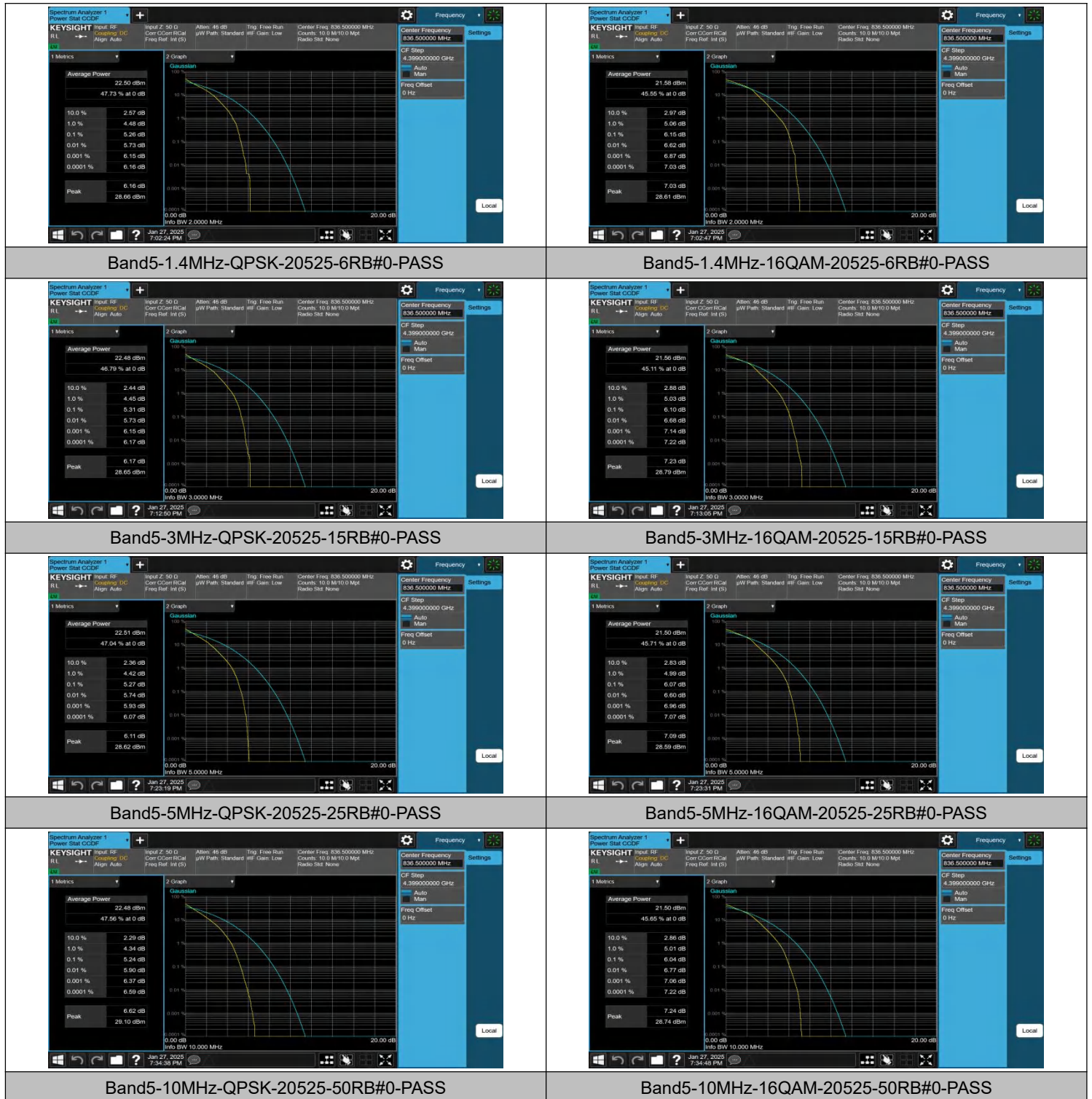
Band5	10MHz	QPSK	20450	25RB#0	22.59	2.13	22.57	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.47	2.13	22.45	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.18	2.13	23.16	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.11	2.13	23.09	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.24	2.13	23.22	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.69	2.13	22.67	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.61	2.13	22.59	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.24	2.13	23.22	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.39	2.13	23.37	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.3	2.13	23.28	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.64	2.13	22.62	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.6	2.13	22.58	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.28	2.13	23.26	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.13	2.13	23.11	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.36	2.13	22.34	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.53	2.13	21.51	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.51	2.13	21.49	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.74	2.13	22.72	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.67	2.13	22.65	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.67	2.13	22.65	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.75	2.13	21.73	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.59	2.13	21.57	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.9	2.13	22.88	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.7	2.13	22.68	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.5	2.13	22.48	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.71	2.13	21.69	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.67	2.13	21.65	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.83	2.13	22.81	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.62	2.13	22.6	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	5.26	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.15	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.31	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.10	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.27	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.07	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.24	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.04	13	PASS

Test Graphs

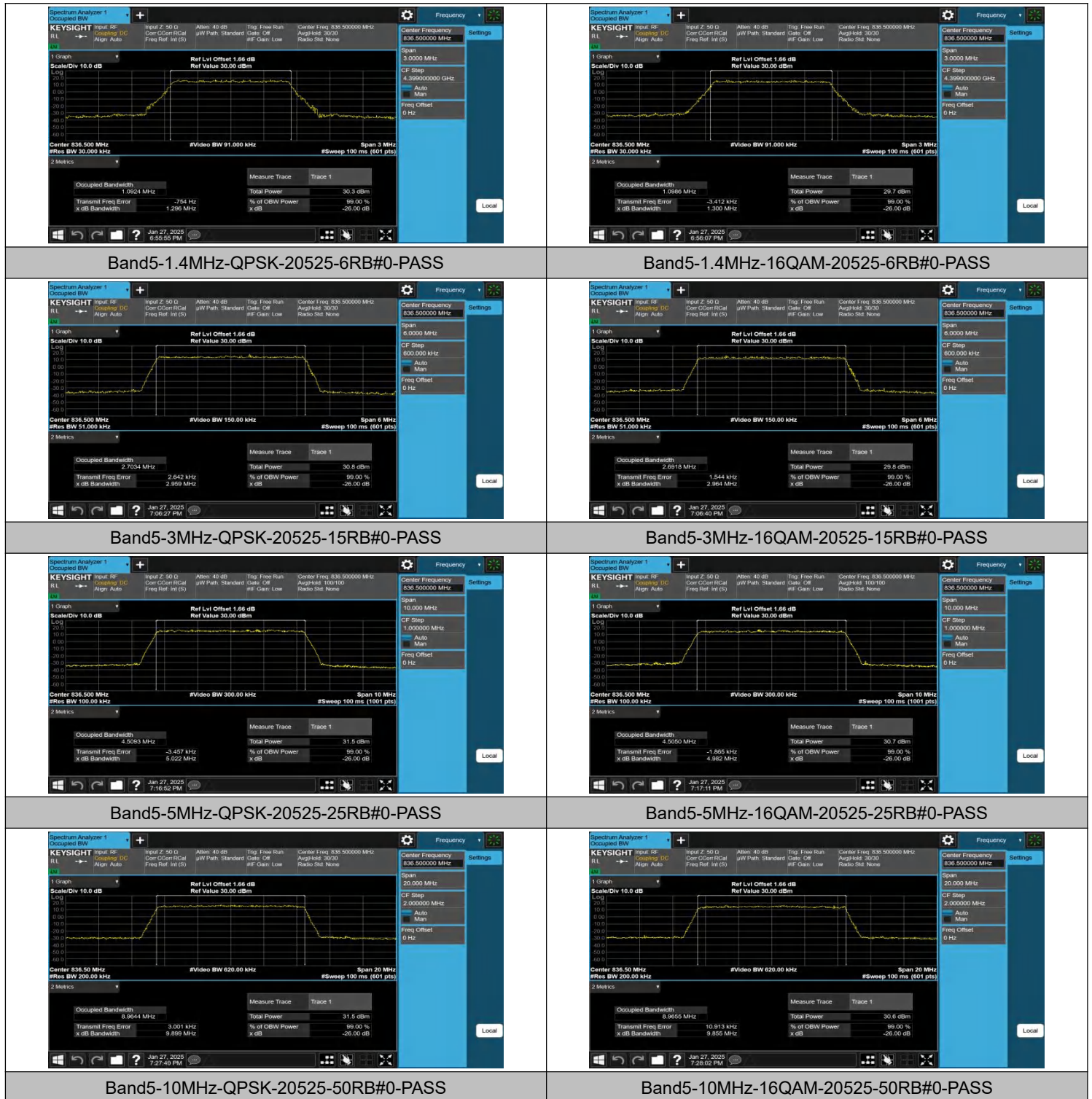


26dB Bandwidth and Occupied Bandwidth

Test Result

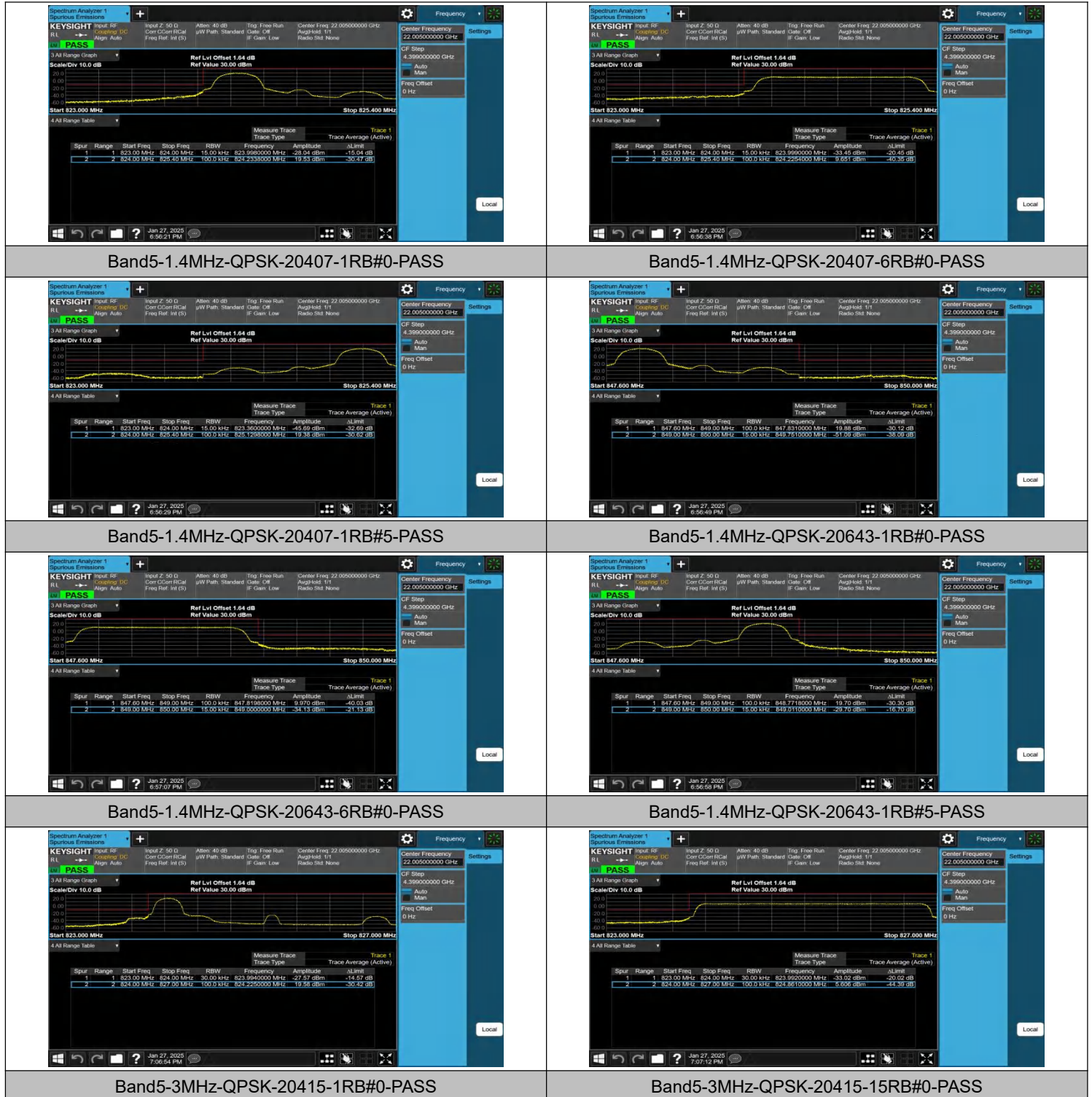
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Band5	1.4MHz	QPSK	20525	6RB#0	1.0924	1.296	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0986	1.300	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7034	2.959	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6918	2.964	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5093	5.022	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5050	4.982	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9644	9.899	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9655	9.855	PASS

Test Graphs



Band Edge

Test Graphs

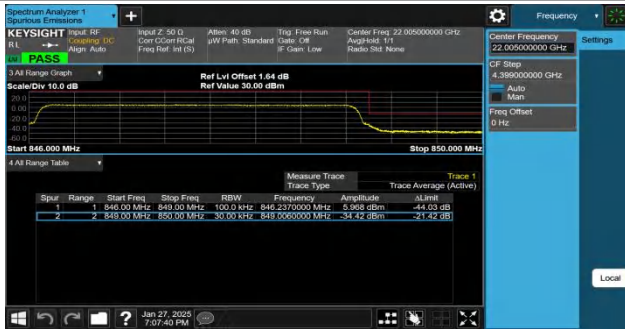




Band5-3MHz-QPSK-20415-1RB#14-PASS



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



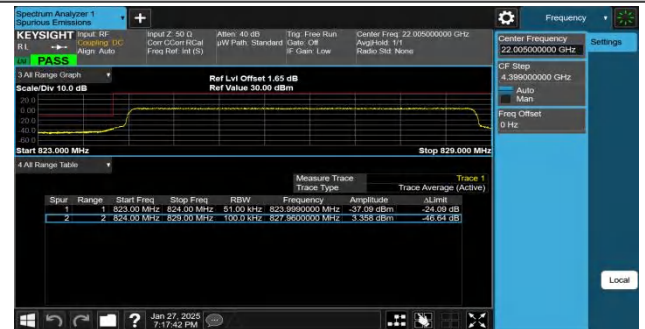
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Band5-3MHz-QPSK-20635-1RB#14-PASS



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



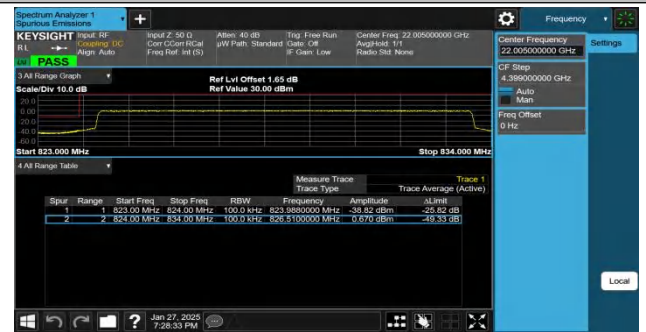
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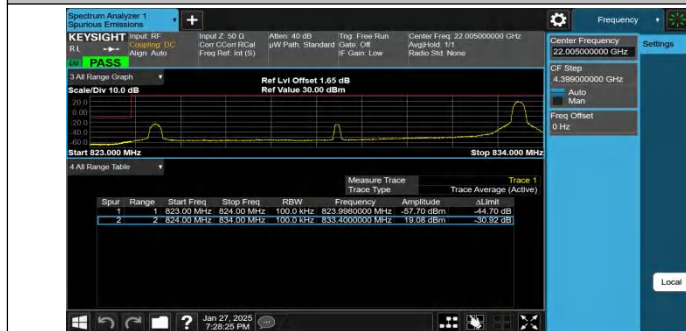
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Band5-10MHz-QPSK-20450-1RB#0-PASS



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

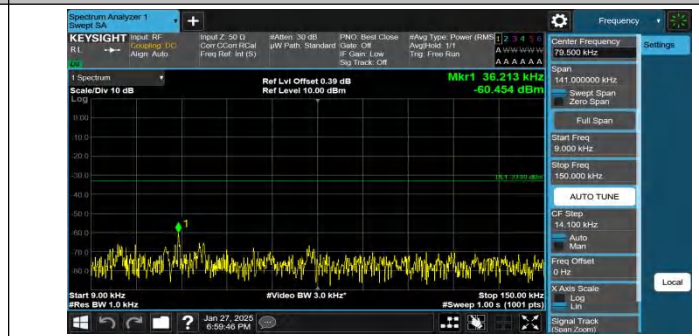
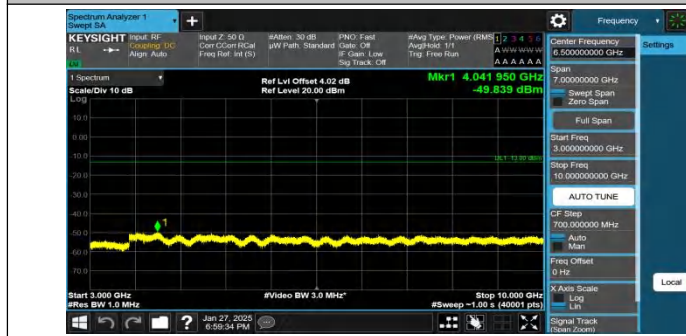
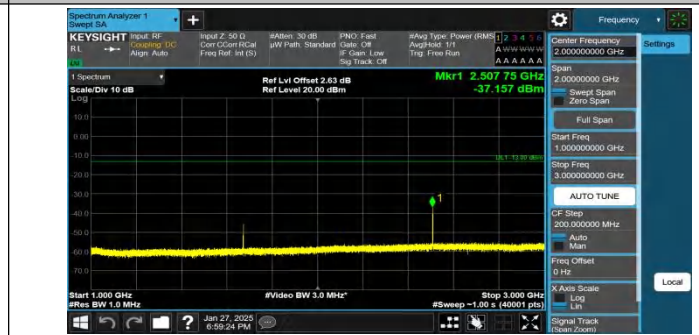
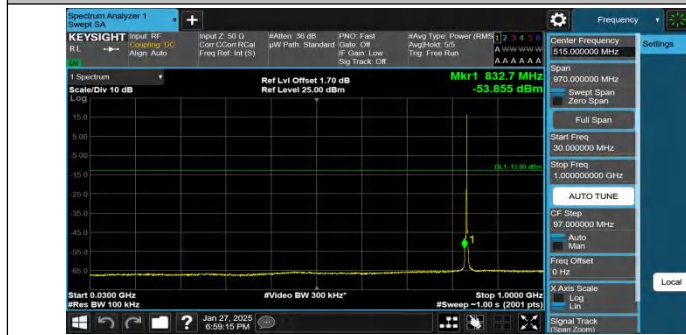
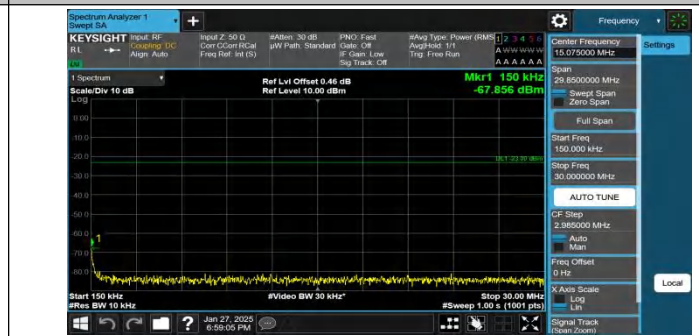
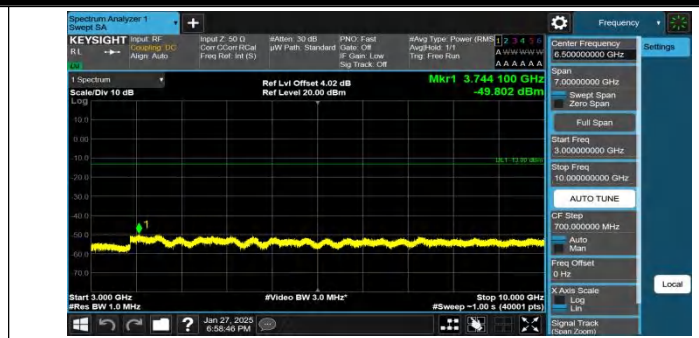


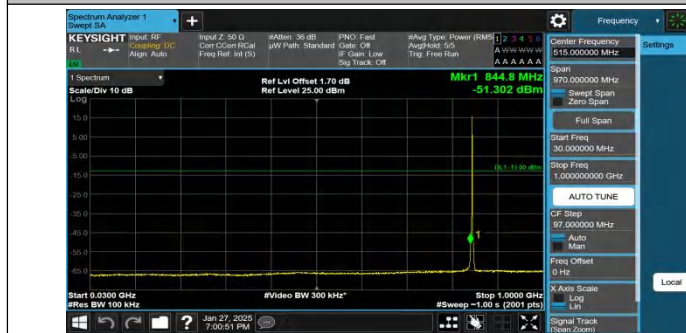
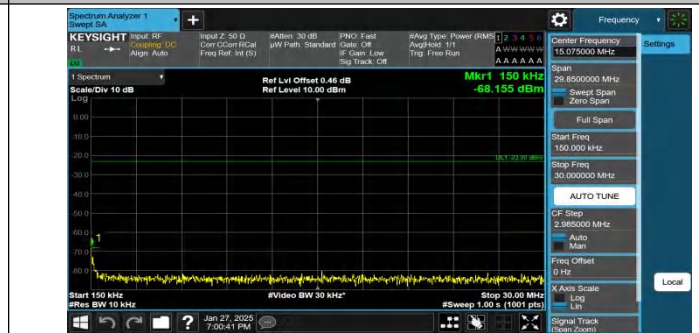
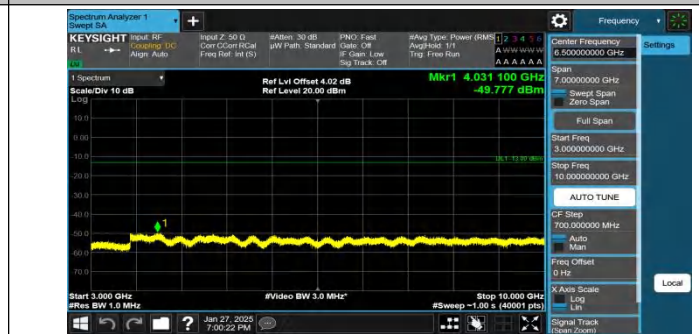
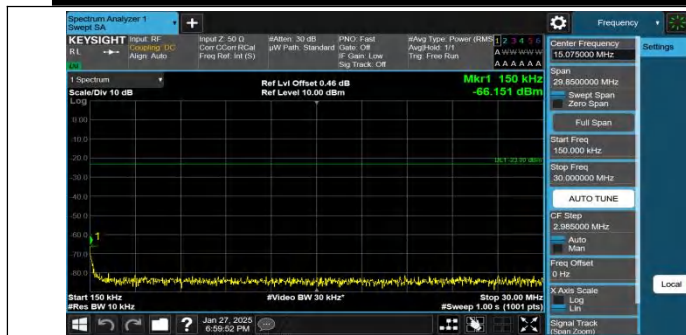
Band5-10MHz-QPSK-20600-1RB#49-PASS

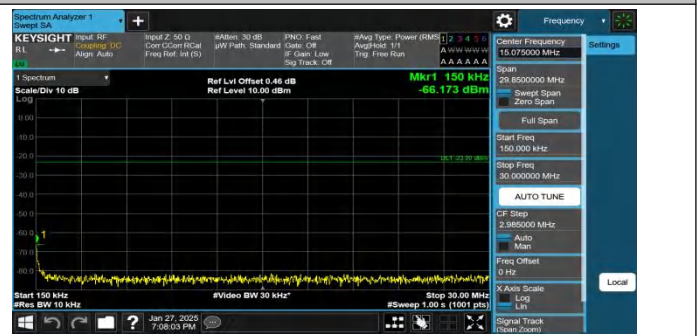
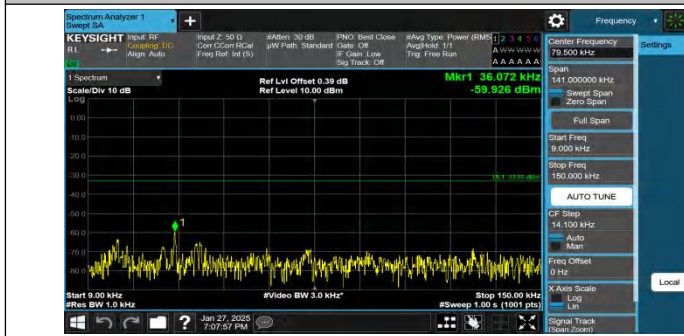
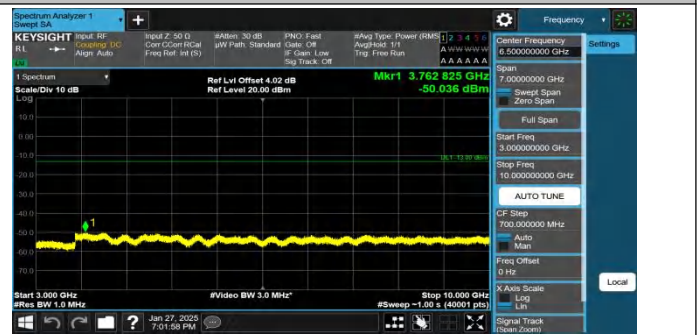
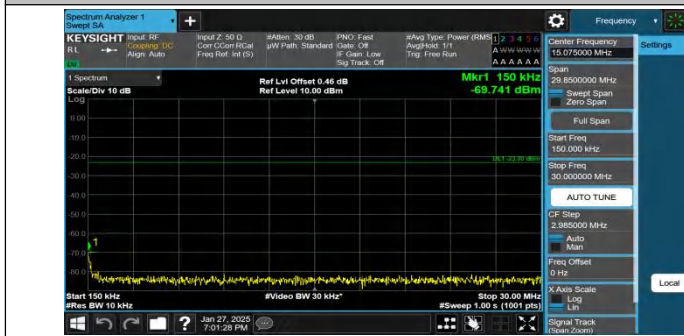
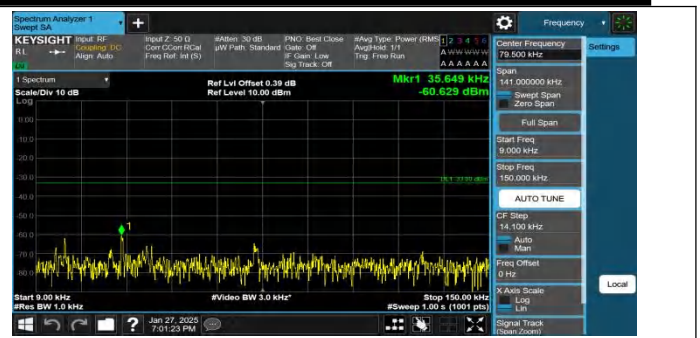
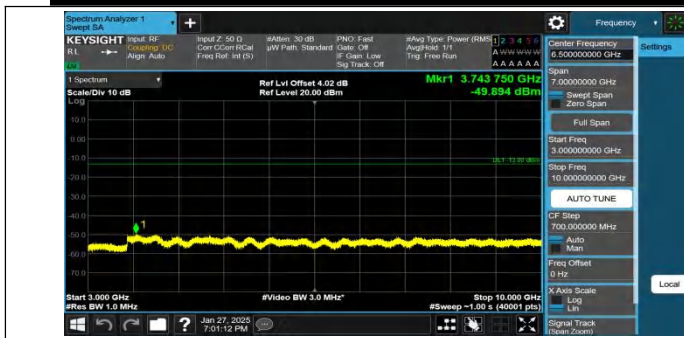
Conducted Spurious Emission

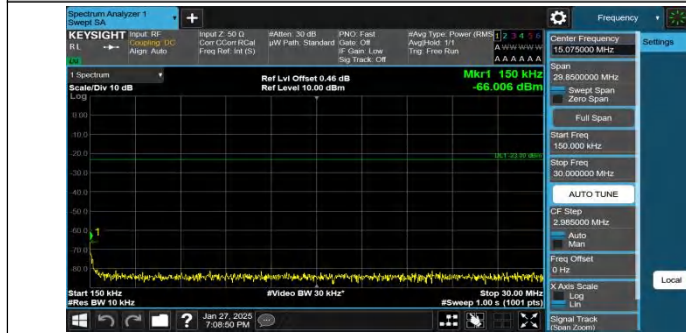
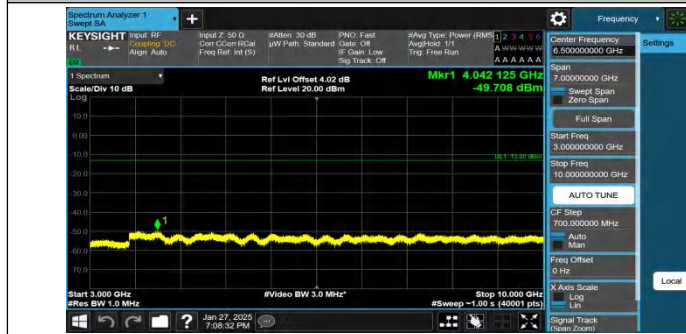
Test Graphs

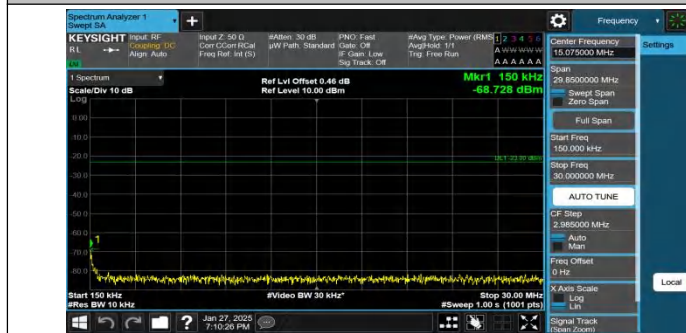
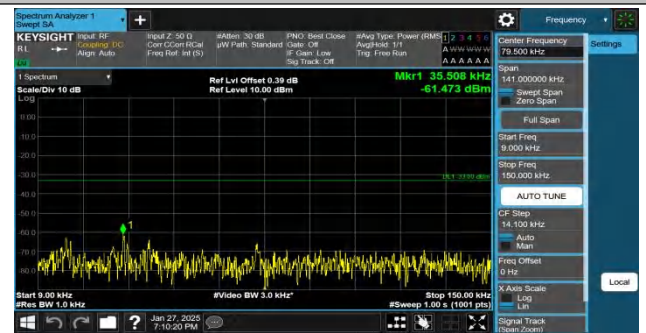
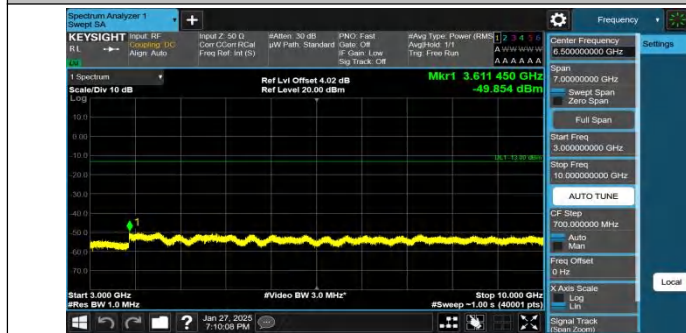
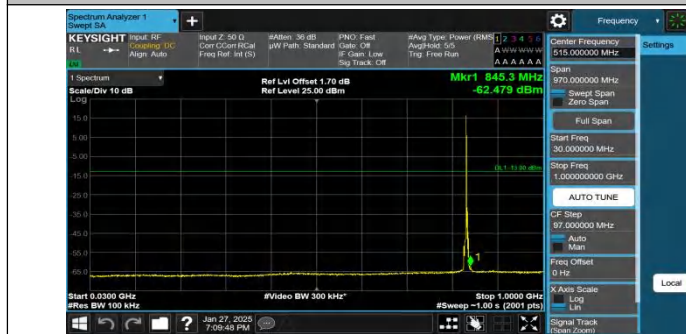
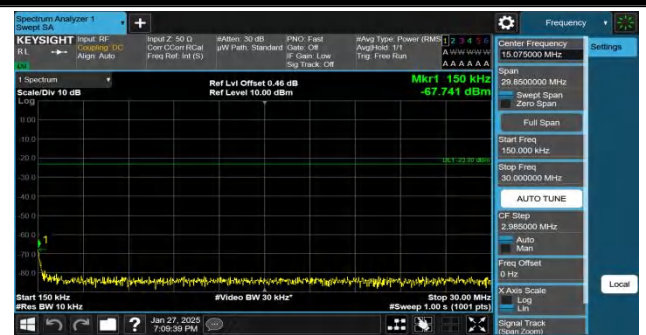














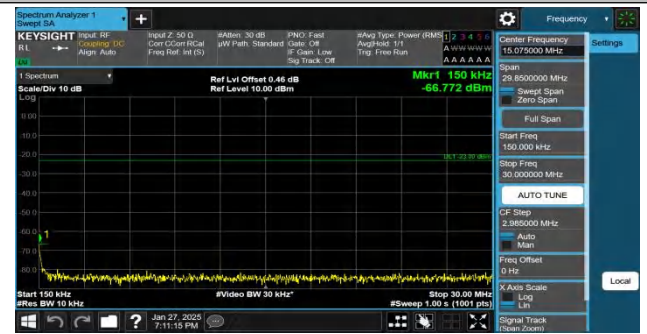
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Band5-3MHz-QPSK-20525-1RB#14-3000~10000-PASS



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



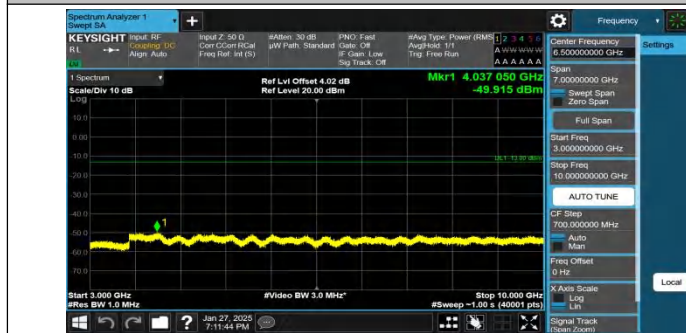
Band5-3MHz-QPSK-20635-1RB#0.15~30-PASS



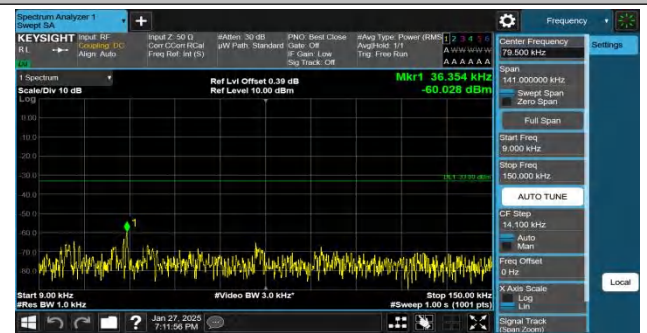
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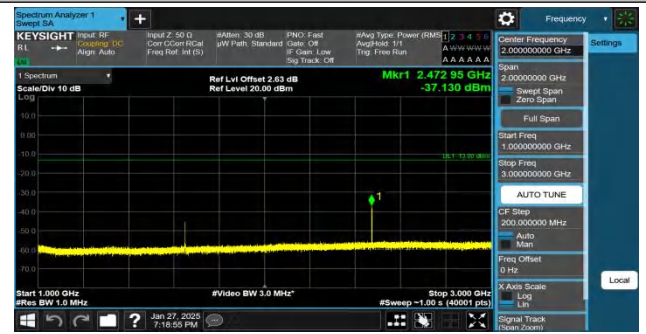
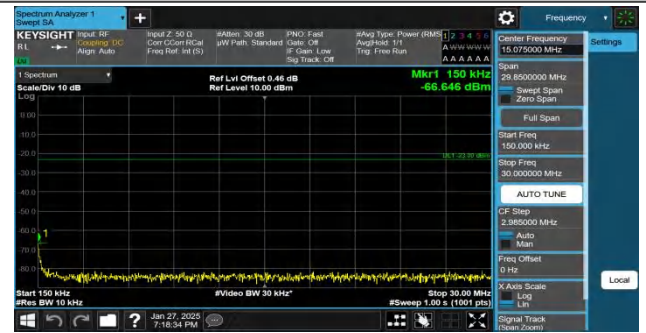
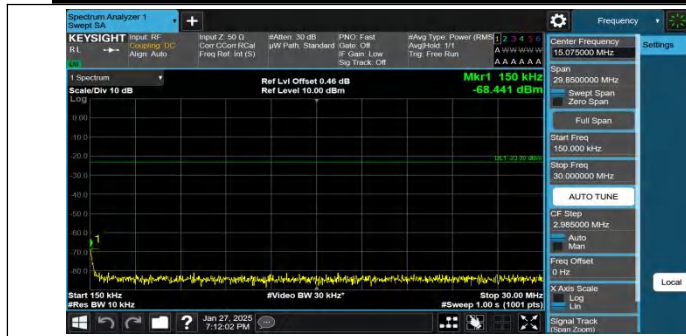
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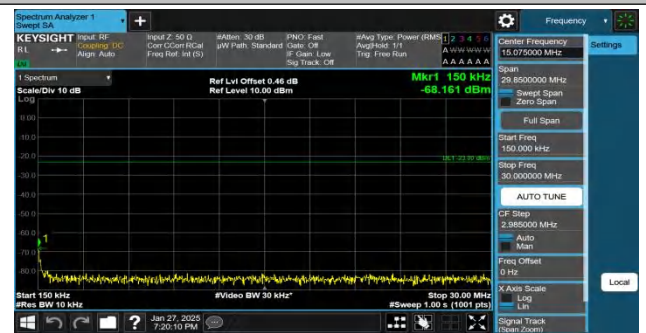
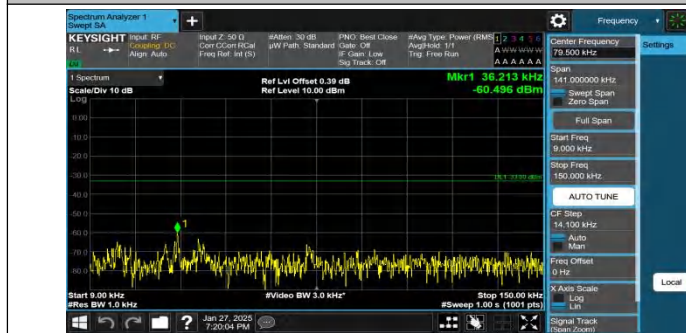
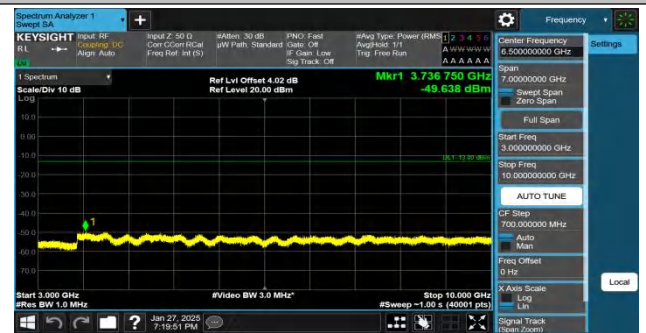
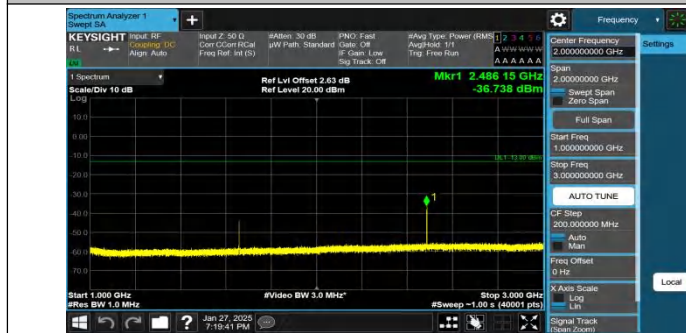
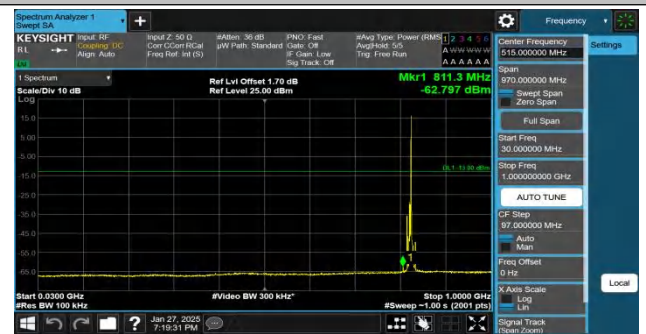
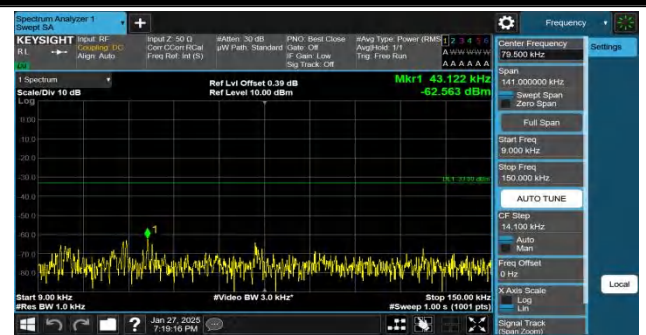
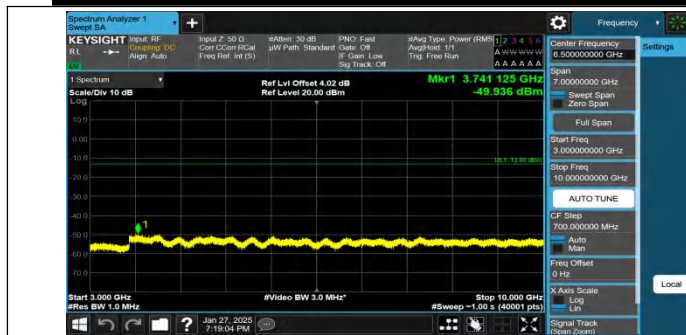


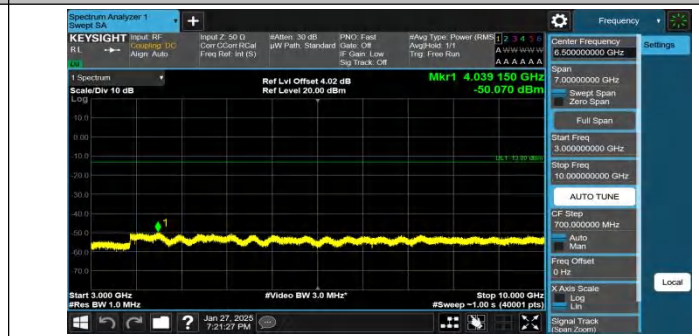
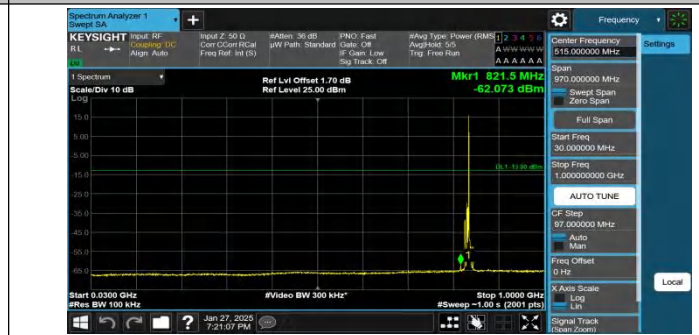
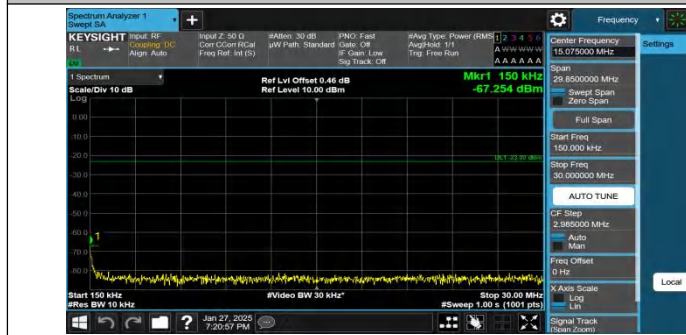
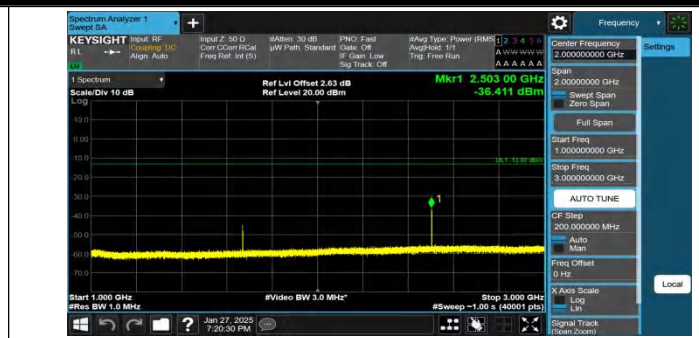
Band5-3MHz-QPSK-20635-1RB#0-3000~10000-PASS



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

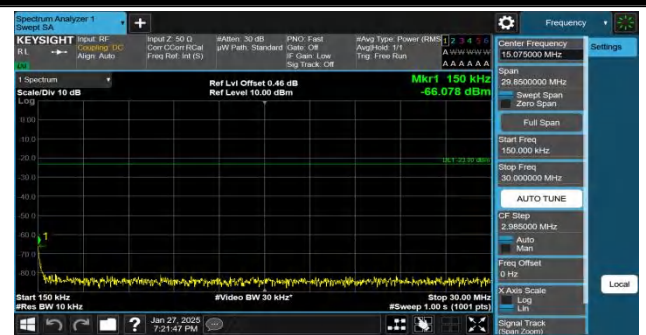








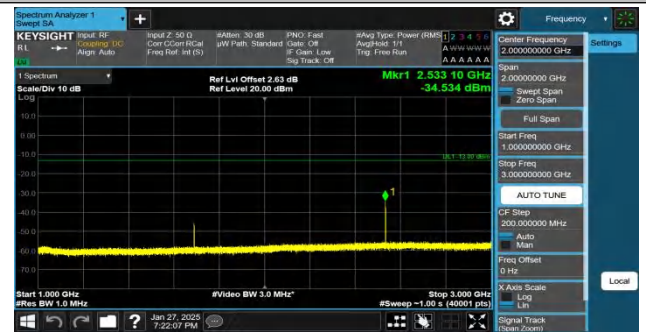
Band5-5MHz-QPSK-20625-1RB#0-0.009~0.15-PASS



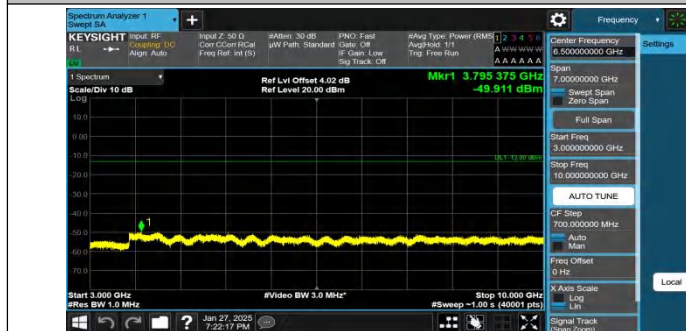
Band5-5MHz-QPSK-20625-1RB#0-0.15~30-PASS



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



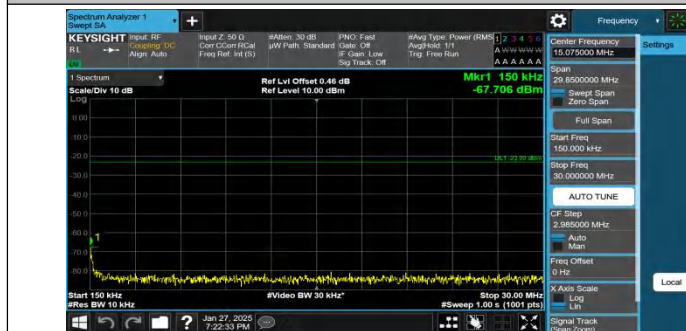
Band5-5MHz-QPSK-20625-1RB#0-1000~3000-PASS



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



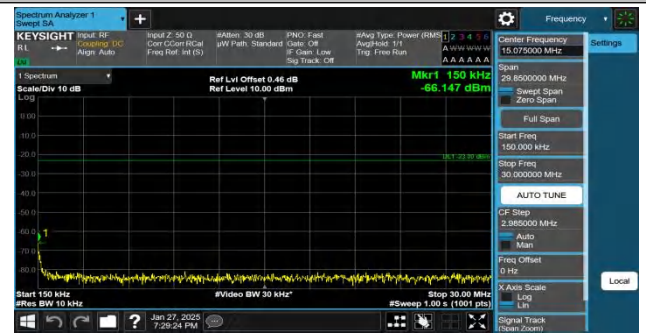
Band5-5MHz-QPSK-20625-1RB#24-1000~3000-PASS



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



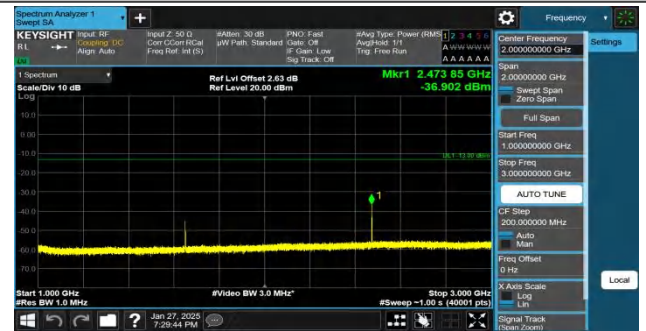
Band5-10MHz-QPSK-20450-1RB#0-0.009~0.15-PASS



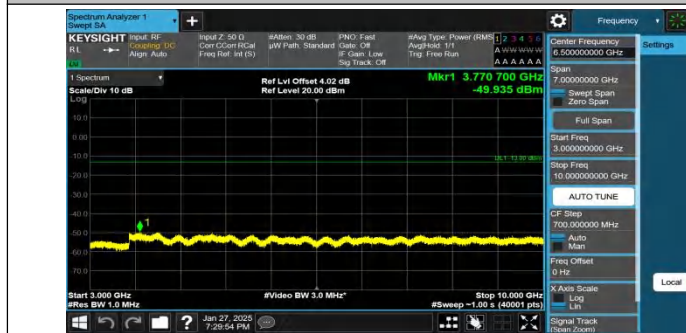
Band5-10MHz-QPSK-20450-1RB#0-0.15~30-PASS



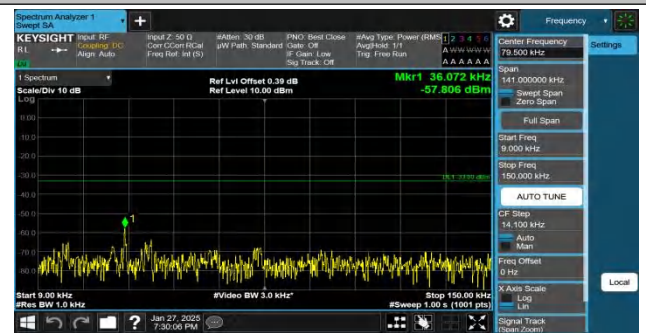
Band5-10MHz-QPSK-20450-1RB#0-30~1000-PASS



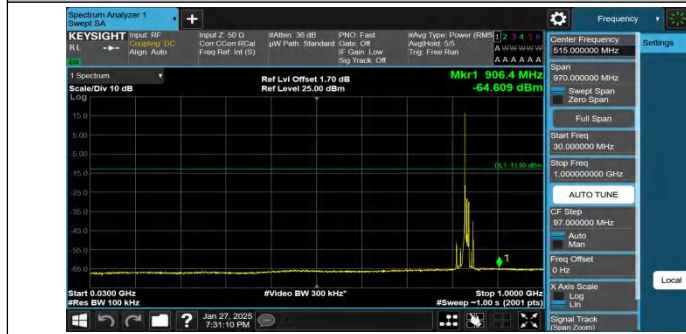
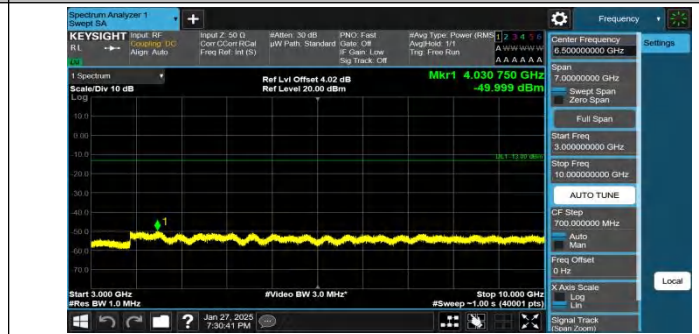
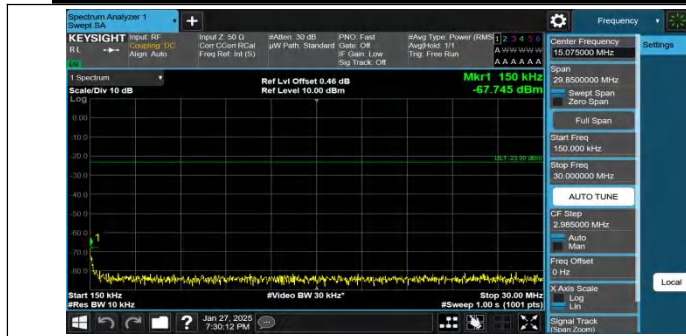
Band5-10MHz-QPSK-20450-1RB#0-1000~3000-PASS

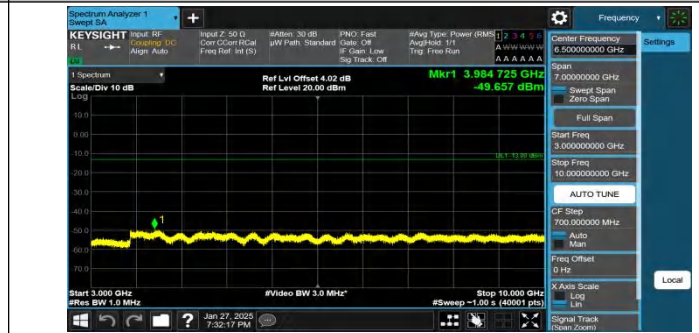
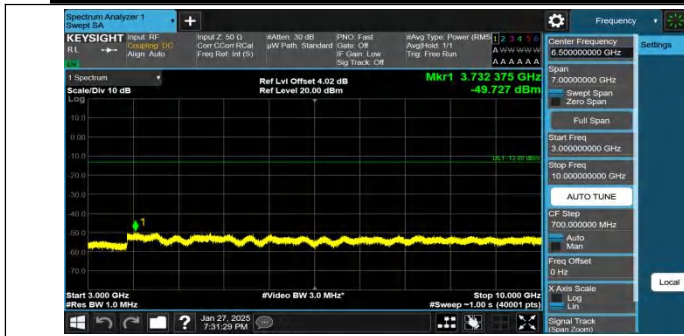


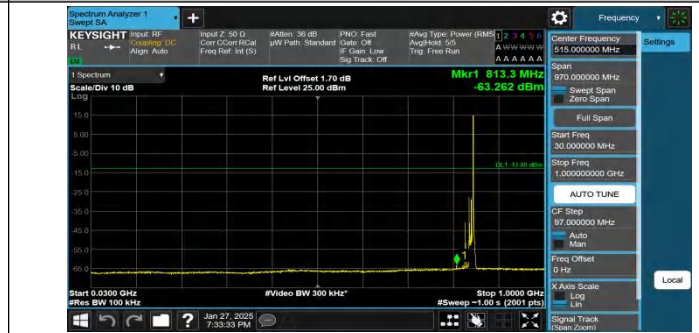
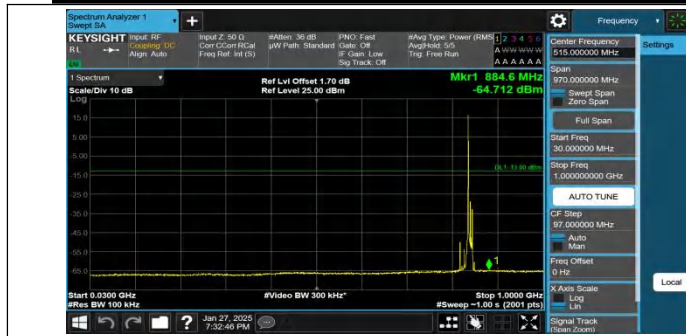
Band5-10MHz-QPSK-20450-1RB#0-3000~10000-PASS



Band5-10MHz-QPSK-20450-1RB#49-0.009~0.15-PASS







Frequency Stability

Test Result

Voltage													
Band	Bandwidth	Modulation	Channel	RB 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	2.74	0.003276	±2.5	---	---	---	PASS
Band 5	10MHz	QPSK	20525	50RB#0	VL	NT	-1.71	-0.002044	±2.5	---	---	---	PASS
Band 5	10MHz	QPSK	20525	50RB#0	VH	NT	-1.81	-0.002164	±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	-2.79	-0.003335	±2.5	---	---	---	PASS
Band 5	10MHz	QPSK	20525	50RB#0	NV	-20	-1.82	-0.002176	±2.5	---	---	---	PASS
Band 5	10MHz	QPSK	20525	50RB#0	NV	-10	2.99	0.003574	±2.5	---	---	---	PASS
Band 5	10MHz	QPSK	20525	50RB#0	NV	0	-3.47	-0.004148	±2.5	---	---	---	PASS
Band 5	10MHz	QPSK	20525	50RB#0	NV	10	-1.89	-0.002259	±2.5	---	---	---	PASS
Band 5	10MHz	QPSK	20525	50RB#0	NV	20	-2.39	-0.002857	±2.5	---	---	---	PASS
Band 5	10MHz	QPSK	20525	50RB#0	NV	30	-3.08	-0.003682	±2.5	---	---	---	PASS
Band 5	10MHz	QPSK	20525	50RB#0	NV	40	-2.83	-0.003383	±2.5	---	---	---	PASS
Band 5	10MHz	QPSK	20525	50RB#0	NV	50	3.10	0.003706	±2.5	---	---	---	PASS

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