

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
Band13	5MHz	QPSK	23205	1RB#0	22.54	4.45	24.84	34.8	PASS
Band13	5MHz	QPSK	23205	1RB#12	22.37	4.45	24.67	34.8	PASS
Band13	5MHz	QPSK	23205	1RB#24	22.53	4.45	24.83	34.8	PASS
Band13	5MHz	QPSK	23205	25RB#0	21.57	4.45	23.87	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#0	22.5	4.45	24.8	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#12	22.43	4.45	24.73	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#24	22.51	4.45	24.81	34.8	PASS
Band13	5MHz	QPSK	23230	25RB#0	21.62	4.45	23.92	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#0	22.6	4.45	24.9	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#12	22.51	4.45	24.81	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#24	22.56	4.45	24.86	34.8	PASS
Band13	5MHz	QPSK	23255	25RB#0	21.54	4.45	23.84	34.8	PASS
Band13	5MHz	64QAM	23205	1RB#0	20.73	4.45	23.03	34.8	PASS
Band13	5MHz	64QAM	23205	1RB#12	20.64	4.45	22.94	34.8	PASS
Band13	5MHz	64QAM	23205	1RB#24	20.92	4.45	23.22	34.8	PASS
Band13	5MHz	64QAM	23205	25RB#0	19.58	4.45	21.88	34.8	PASS
Band13	5MHz	64QAM	23230	1RB#0	20.56	4.45	22.86	34.8	PASS
Band13	5MHz	64QAM	23230	1RB#12	20.92	4.45	23.22	34.8	PASS
Band13	5MHz	64QAM	23230	1RB#24	20.64	4.45	22.94	34.8	PASS
Band13	5MHz	64QAM	23230	25RB#0	19.63	4.45	21.93	34.8	PASS
Band13	5MHz	64QAM	23255	1RB#0	20.38	4.45	22.68	34.8	PASS
Band13	5MHz	64QAM	23255	1RB#12	20.24	4.45	22.54	34.8	PASS
Band13	5MHz	64QAM	23255	1RB#24	20.28	4.45	22.58	34.8	PASS
Band13	5MHz	64QAM	23255	25RB#0	19.64	4.45	21.94	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#0	21.4	4.45	23.7	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#12	21.51	4.45	23.81	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#24	21.58	4.45	23.88	34.8	PASS
Band13	5MHz	16QAM	23205	25RB#0	20.58	4.45	22.88	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#0	21.37	4.45	23.67	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#12	21.46	4.45	23.76	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#24	21.43	4.45	23.73	34.8	PASS
Band13	5MHz	16QAM	23230	25RB#0	20.65	4.45	22.95	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#0	21.46	4.45	23.76	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#12	21.41	4.45	23.71	34.8	PASS

Band13	5MHz	16QAM	23255	1RB#24	21.45	4.45	23.75	34.8	PASS
Band13	5MHz	16QAM	23255	25RB#0	20.61	4.45	22.91	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#0	22.5	4.45	24.8	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#24	22.55	4.45	24.85	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#49	22.43	4.45	24.73	34.8	PASS
Band13	10MHz	QPSK	23230	50RB#0	21.6	4.45	23.9	34.8	PASS
Band13	10MHz	64QAM	23230	1RB#0	20.21	4.45	22.51	34.8	PASS
Band13	10MHz	64QAM	23230	1RB#24	20.13	4.45	22.43	34.8	PASS
Band13	10MHz	64QAM	23230	1RB#49	20.33	4.45	22.63	34.8	PASS
Band13	10MHz	64QAM	23230	50RB#0	19.63	4.45	21.93	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#0	21.4	4.45	23.7	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#24	21.5	4.45	23.8	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#49	21.48	4.45	23.78	34.8	PASS
Band13	10MHz	16QAM	23230	50RB#0	20.59	4.45	22.89	34.8	PASS

Peak-to-Average Ratio(CCDF)

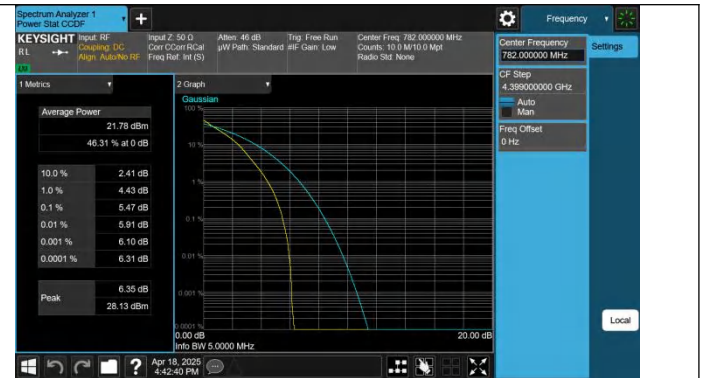
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23230	25RB#0	5.44	13	PASS
Band13	5MHz	64QAM	23230	25RB#0	5.47	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	6.19	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.40	13	PASS
Band13	10MHz	64QAM	23230	50RB#0	5.39	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.17	13	PASS

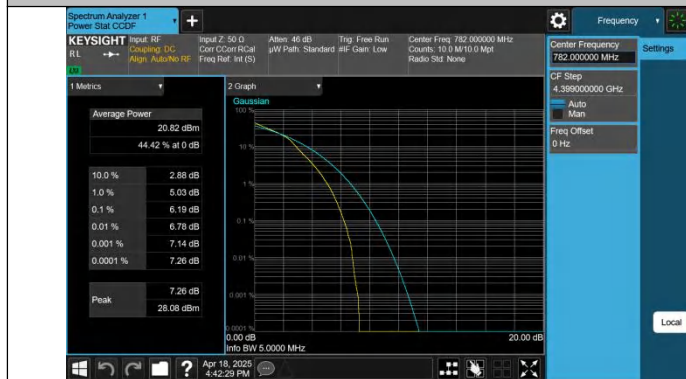
Test Graphs



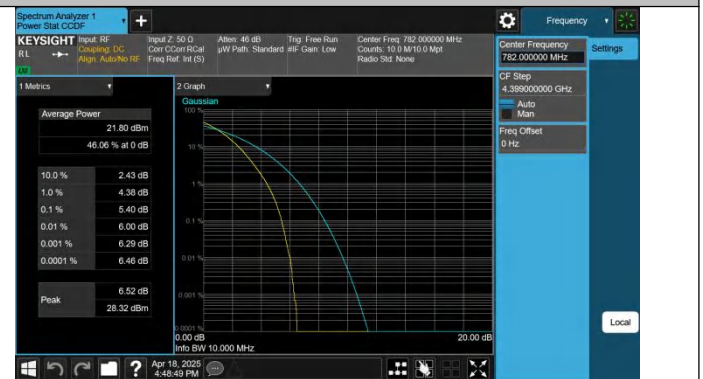
Band13-5MHz-QPSK-23230-25RB#0-PASS



Band13-5MHz-64QAM-23230-25RB#0-PASS



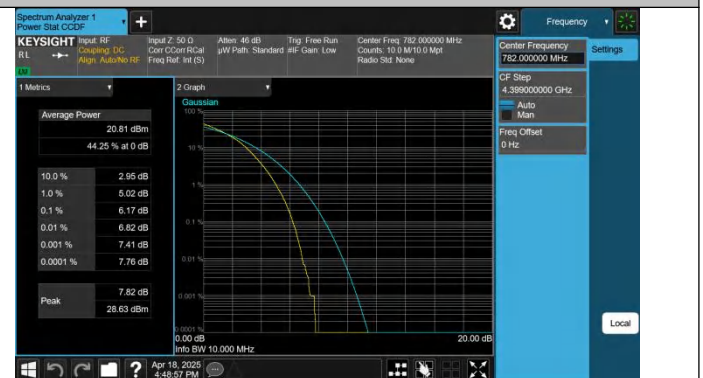
Band13-5MHz-16QAM-23230-25RB#0-PASS



Band13-10MHz-QPSK-23230-50RB#0-PASS



Band13-10MHz-64QAM-23230-50RB#0-PASS



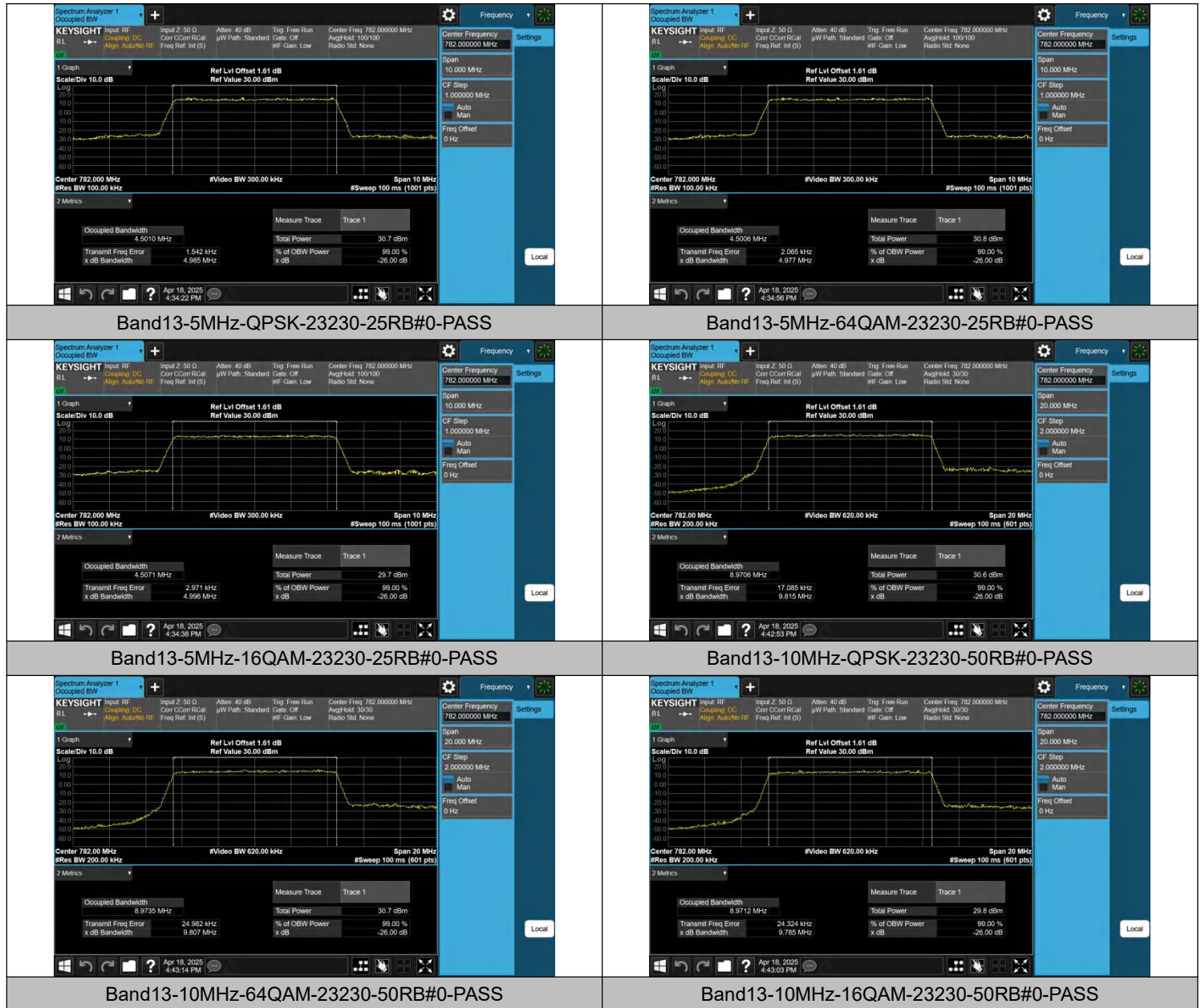
Band13-10MHz-16QAM-23230-50RB#0-PASS

26dB Bandwidth and Occupied Bandwidth

Test Result

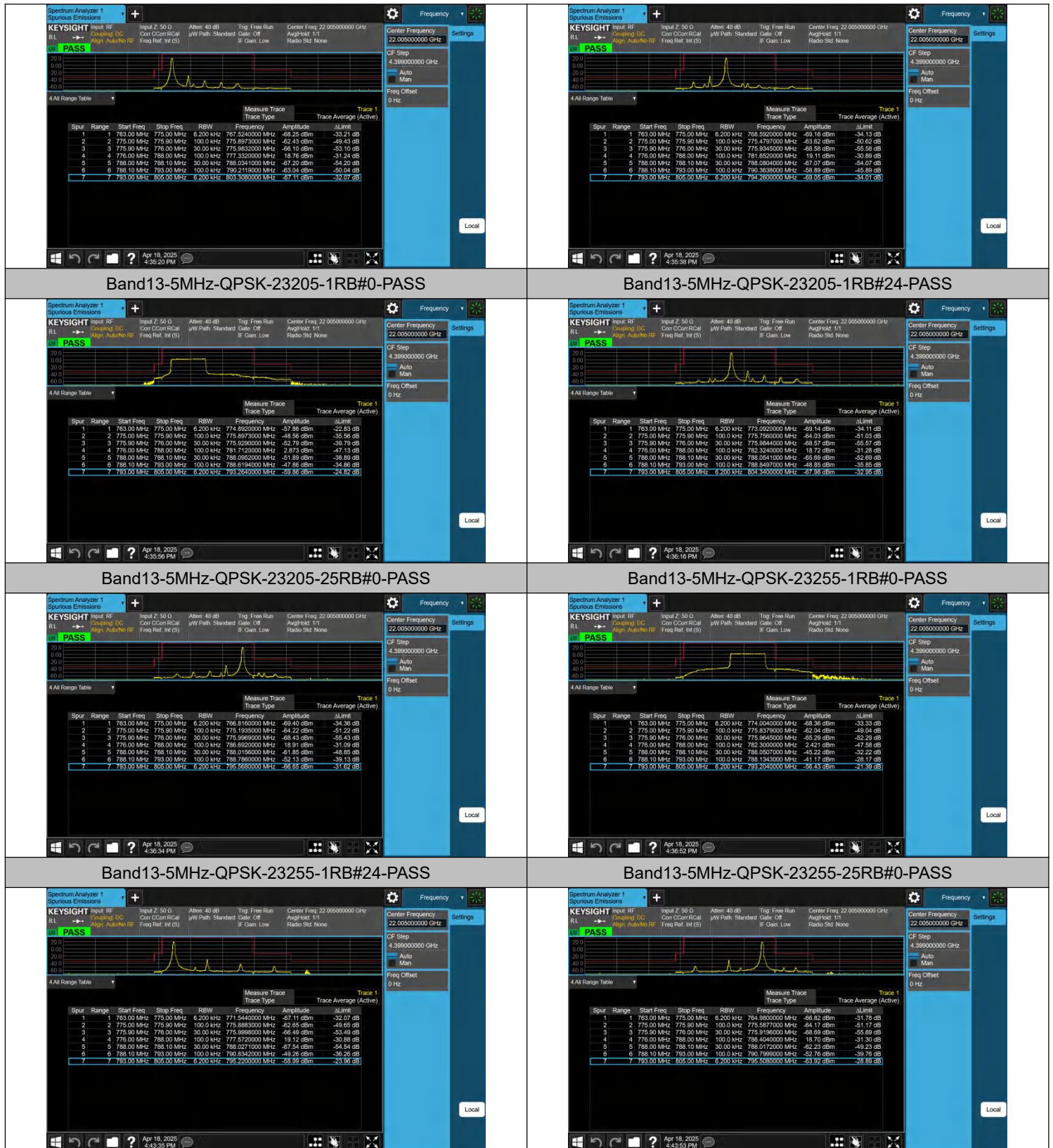
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23230	25RB#0	4.5010	4.985	PASS
Band13	5MHz	64QAM	23230	25RB#0	4.5006	4.977	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5071	4.996	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9706	9.815	PASS
Band13	10MHz	64QAM	23230	50RB#0	8.9735	9.807	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9712	9.785	PASS

Test Graphs

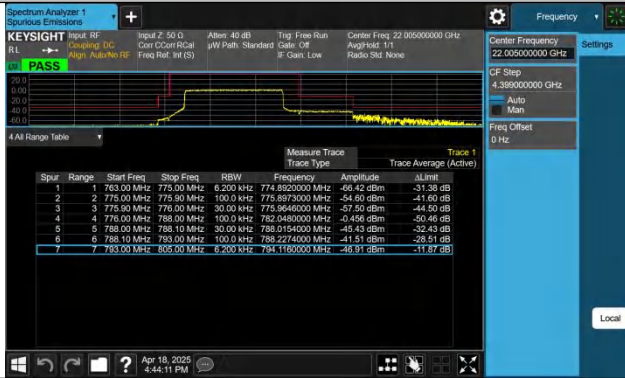


Band Edge

Test Graphs



Band13-10MHz-QPSK-23230-1RB#0-PASS

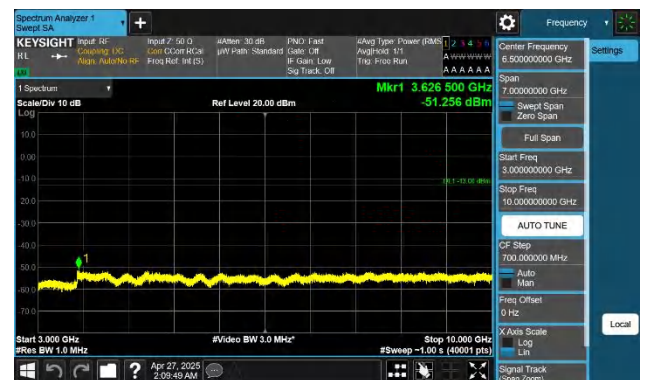
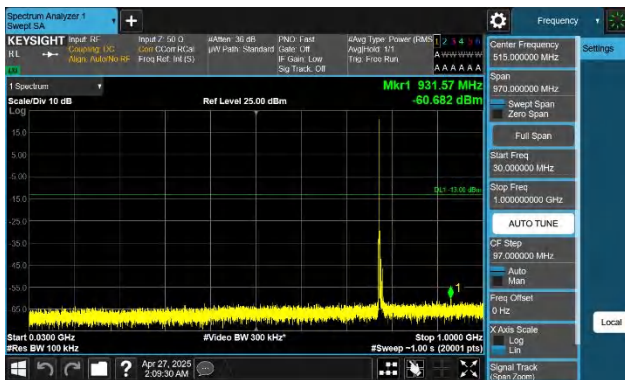
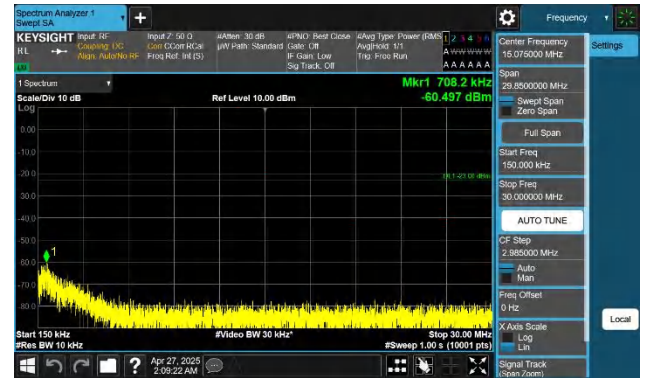
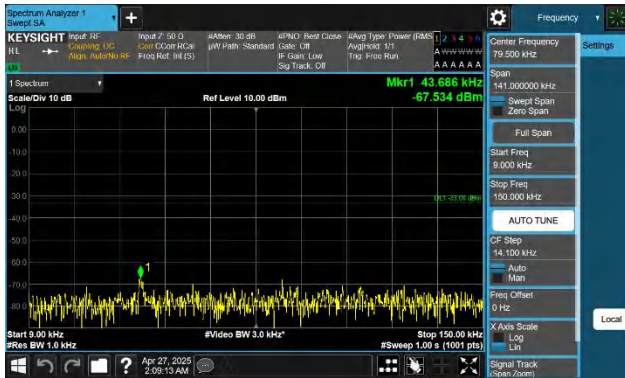


Band13-10MHz-QPSK-23230-1RB#49-PASS

Band13-10MHz-QPSK-23230-50RB#0-PASS

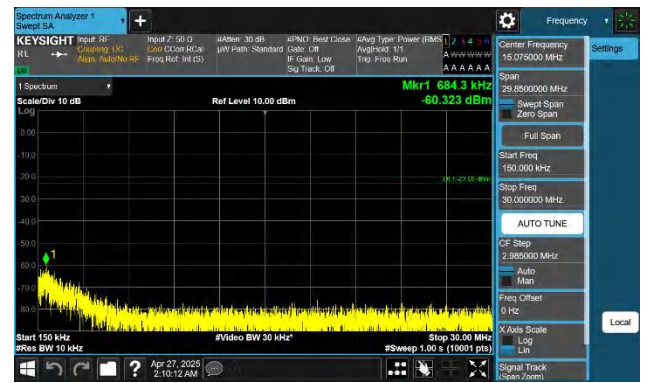
Conducted Spurious Emission

Test Graphs

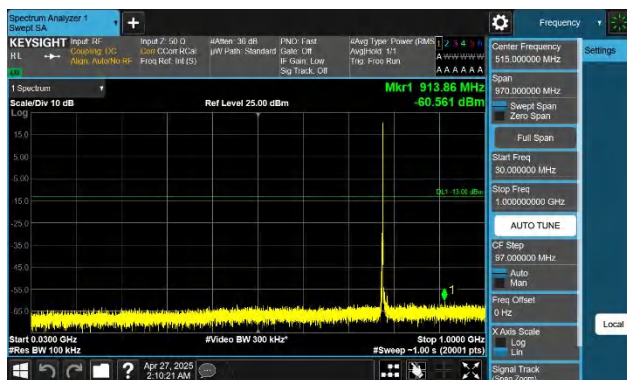




Band13-5MHz-QPSK-23205-1RB#24-0.009~0.15-PASS



Band13-5MHz-QPSK-23205-1RB#24-0.15~30-PASS



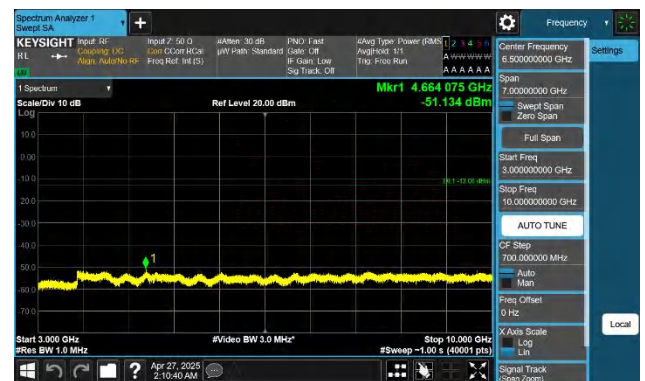
Band13-5MHz-QPSK-23205-1RB#24-30~1000-PASS



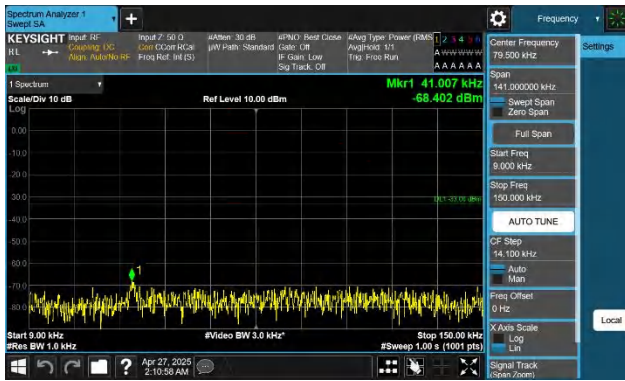
Band13-5MHz-QPSK-23205-1RB#24-1000~3000-PASS



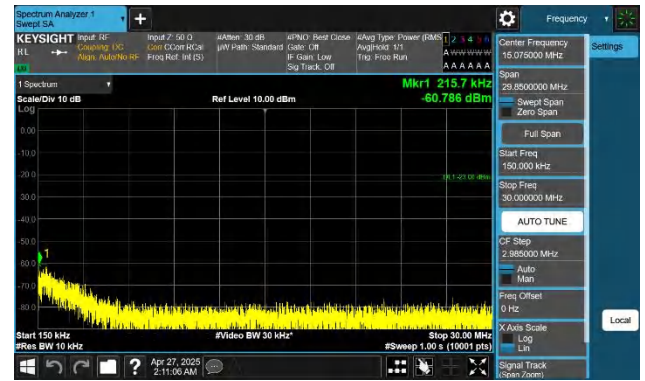
Band13-5MHz-QPSK-23205-1RB#24-1559~1610-PASS



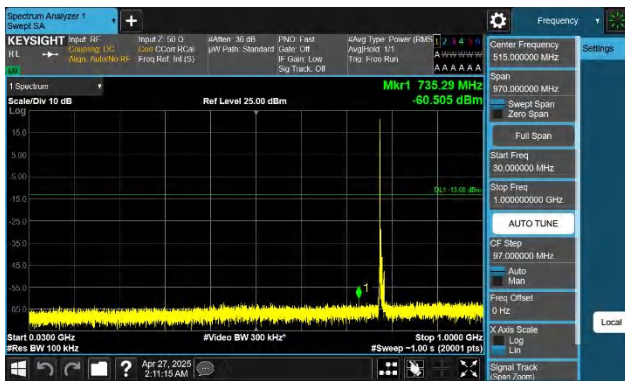
Band13-5MHz-QPSK-23205-1RB#24-3000~10000-PASS



Band13-5MHz-QPSK-23230-1RB#0-0.009~0.15-PASS



Band13-5MHz-QPSK-23230-1RB#0-0.15~30-PASS



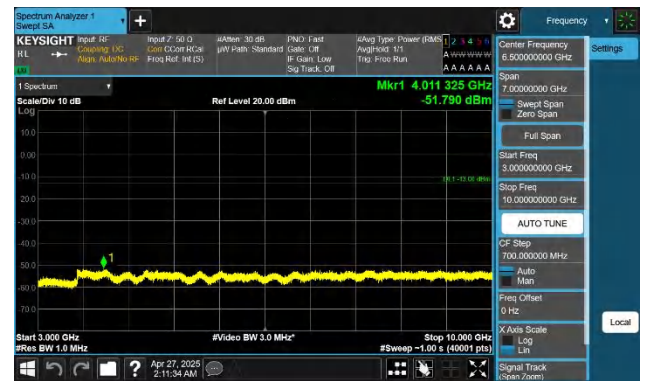
Band13-5MHz-QPSK-23230-1RB#0-30~1000-PASS



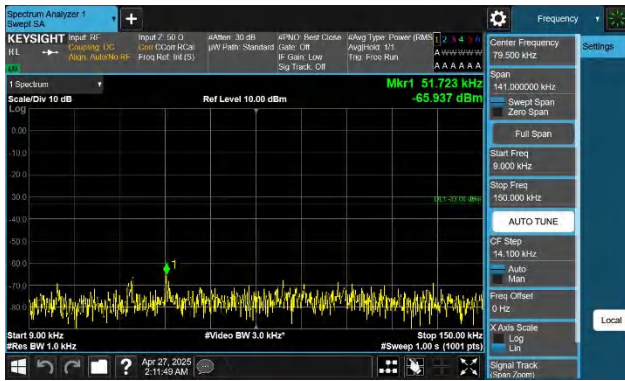
Band13-5MHz-QPSK-23230-1RB#0-1000~3000-PASS



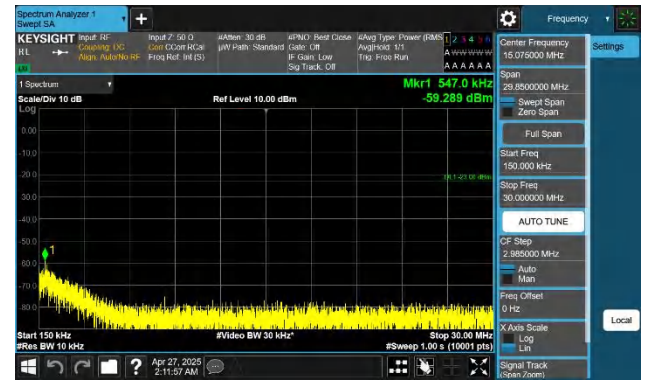
Band13-5MHz-QPSK-23230-1RB#0-1559~1610-PASS



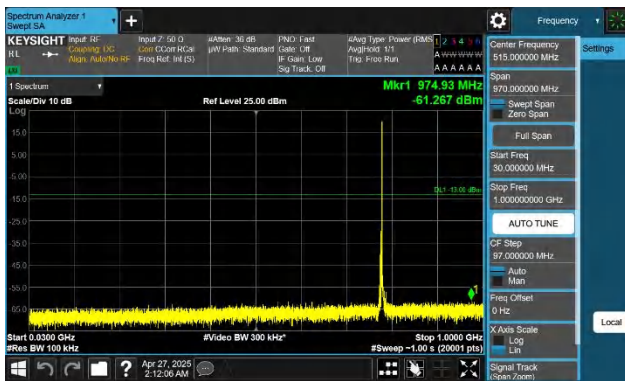
Band13-5MHz-QPSK-23230-1RB#0-3000~10000-PASS



Band13-5MHz-QPSK-23230-1RB#24-0.009~0.15-PASS



Band13-5MHz-QPSK-23230-1RB#24-0.15~30-PASS



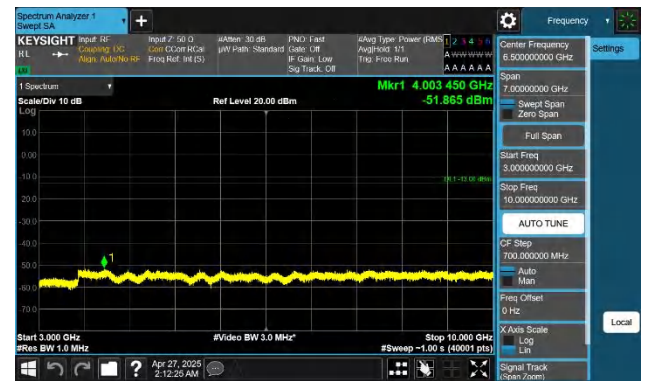
Band13-5MHz-QPSK-23230-1RB#24-30~1000-PASS



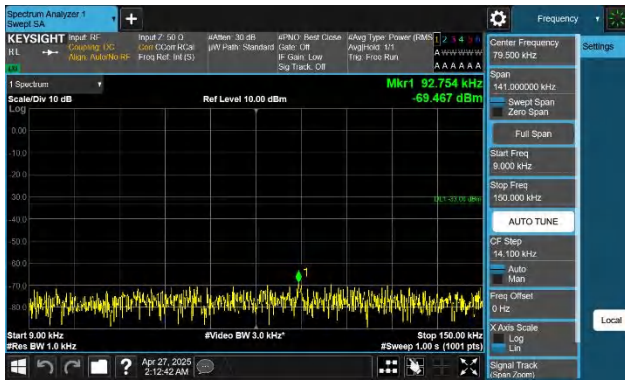
Band13-5MHz-QPSK-23230-1RB#24-1000~3000-PASS



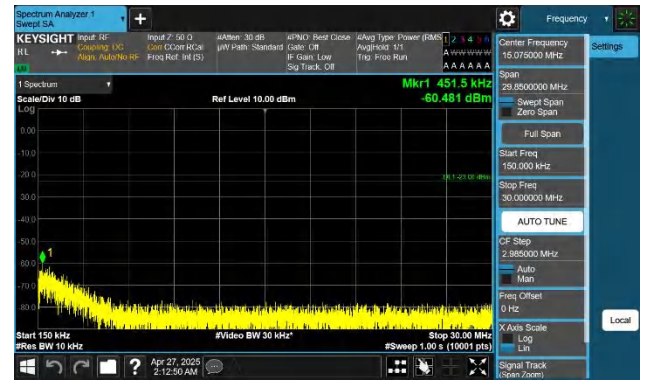
Band13-5MHz-QPSK-23230-1RB#24-1559~1610-PASS



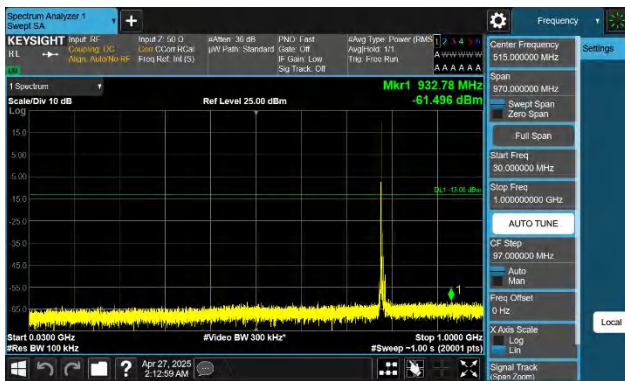
Band13-5MHz-QPSK-23230-1RB#24-3000~10000-PASS



Band13-5MHz-QPSK-23255-1RB#0-0.009~0.15-PASS



Band13-5MHz-QPSK-23255-1RB#0-0.15~30-PASS



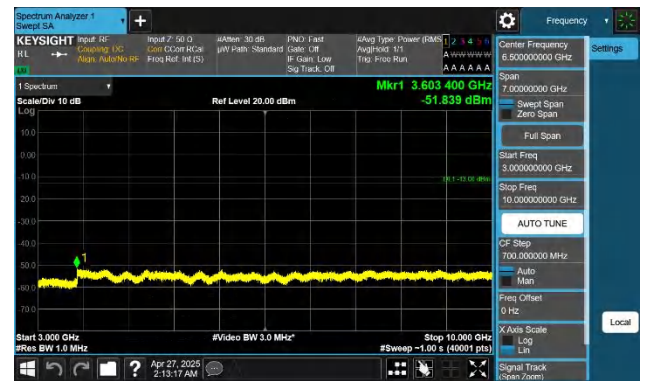
Band13-5MHz-QPSK-23255-1RB#0-30~1000-PASS



Band13-5MHz-QPSK-23255-1RB#0-1000~3000-PASS



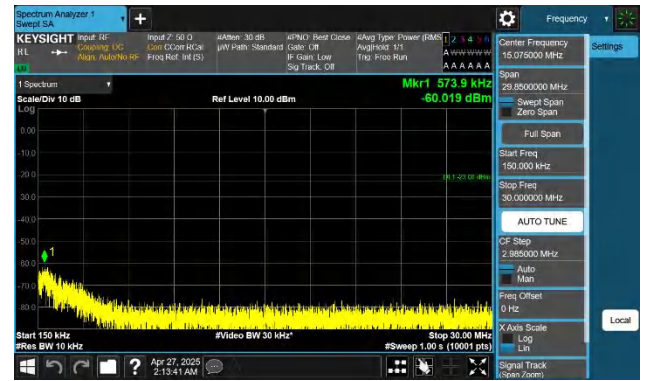
Band13-5MHz-QPSK-23255-1RB#0-1559~1610-PASS



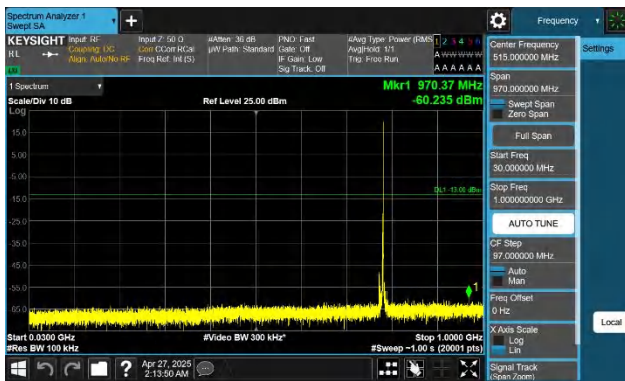
Band13-5MHz-QPSK-23255-1RB#0-3000~10000-PASS



Band13-5MHz-QPSK-23255-1RB#24-0.009~0.15-PASS



Band13-5MHz-QPSK-23255-1RB#24-0.15~30-PASS



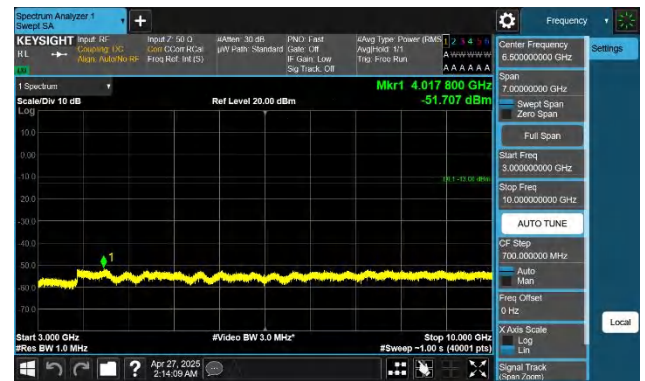
Band13-5MHz-QPSK-23255-1RB#24-30~1000-PASS



Band13-5MHz-QPSK-23255-1RB#24-1000~3000-PASS



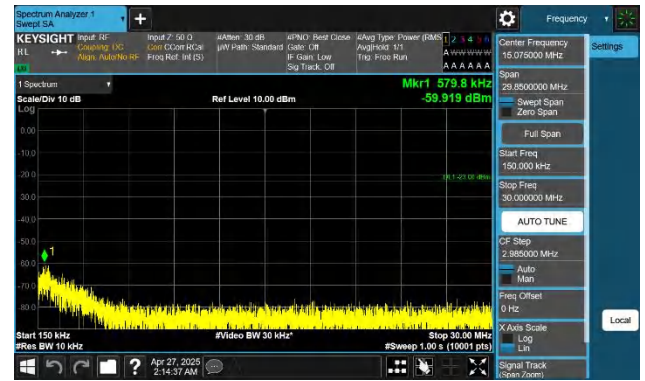
Band13-5MHz-QPSK-23255-1RB#24-1559~1610-PASS



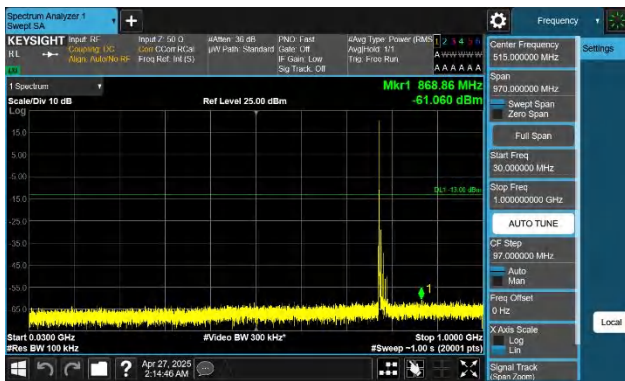
Band13-5MHz-QPSK-23255-1RB#24-3000~10000-PASS



Band13-10MHz-QPSK-23230-1RB#0-0.009~0.15-PASS



Band13-10MHz-QPSK-23230-1RB#0-0.15~30-PASS



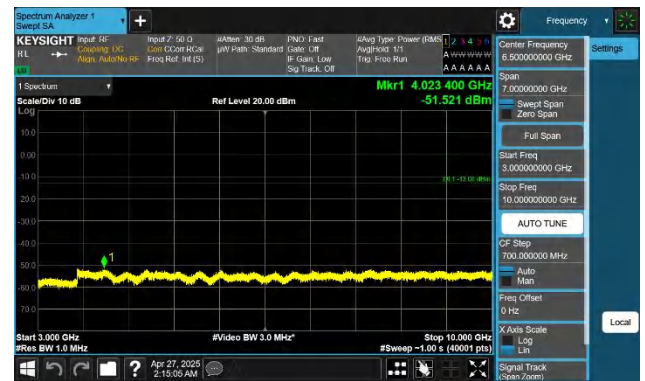
Band13-10MHz-QPSK-23230-1RB#0-30~1000-PASS



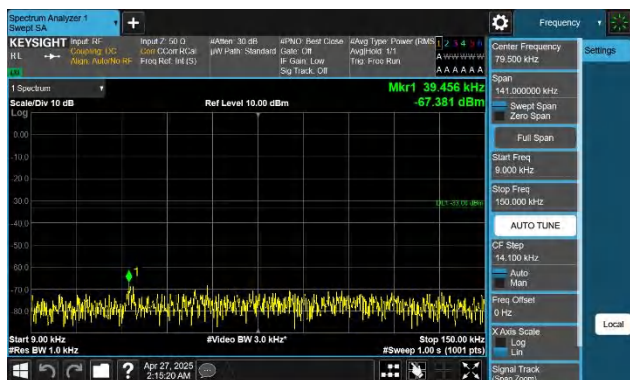
Band13-10MHz-QPSK-23230-1RB#0-1000~3000-PASS



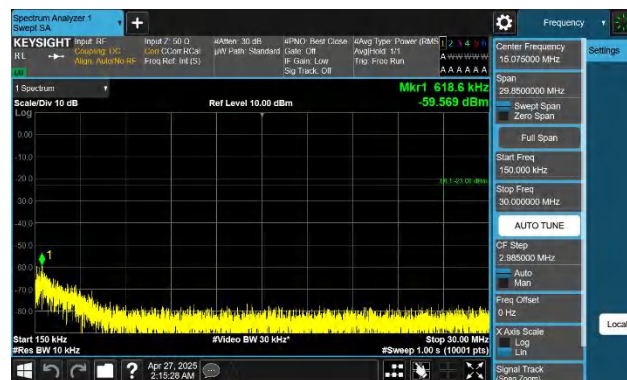
Band13-10MHz-QPSK-23230-1RB#0-1559~1610-PASS



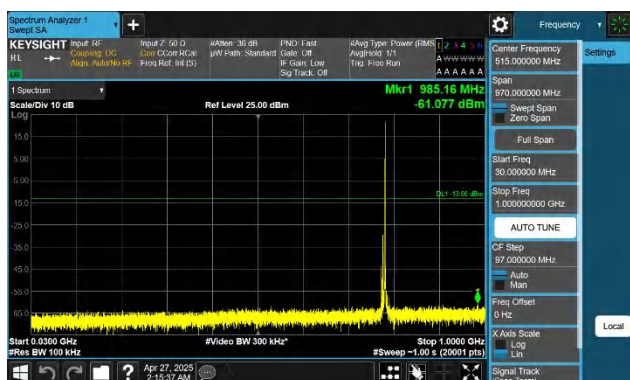
Band13-10MHz-QPSK-23230-1RB#0-3000~10000-PASS



Band13-10MHz-QPSK-23230-1RB#49-0.009~0.15-PASS



Band13-10MHz-QPSK-23230-1RB#49-0.15~30-PASS



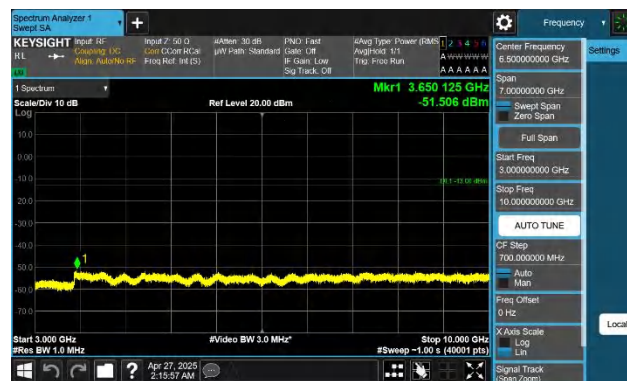
Band13-10MHz-QPSK-23230-1RB#49-30~1000-PASS



Band13-10MHz-QPSK-23230-1RB#49-1000~3000-PASS



Band13-10MHz-QPSK-23230-1RB#49-1559~1610-PASS



Band13-10MHz-QPSK-23230-1RB#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 13	10MHz	QPSK	23230	50RB#0	VN	NT	12580.00	16.086957	±NA	777.55063	786.47453	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	VL	NT	10830.00	13.849105	±NA	777.54868	786.47298	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	VH	NT	14490.00	18.529412	±NA	777.55354	786.47544	777-787	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 13	10MHz	QPSK	23230	50RB#0	NV	-30	11850.00	15.153453	±NA	777.55205	786.47165	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	-20	9670.00	12.365729	±NA	777.54822	786.47112	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	-10	11060.00	14.143223	±NA	777.55056	786.47156	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	0	12970.00	16.585678	±NA	777.55042	786.47552	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	10	11800.00	15.089514	±NA	777.55155	786.47205	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	20	12230.00	15.639386	±NA	777.54878	786.47568	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	30	13290.00	16.994885	±NA	777.55184	786.47474	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	40	11640.00	14.884910	±NA	777.54859	786.47469	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	50	12730.00	16.278772	±NA	777.54928	786.47618	777-787	PASS

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