

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	22.84	4.45	25.14	34.8	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.38	4.45	24.68	34.8	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.26	4.45	25.56	34.8	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.23	4.45	25.53	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.09	4.45	25.39	34.8	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.26	4.45	24.56	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.01	4.45	25.31	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.25	4.45	25.55	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.18	4.45	25.48	34.8	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.31	4.45	24.61	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.25	4.45	25.55	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.28	4.45	25.58	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#0	21.72	4.45	24.02	34.8	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.54	4.45	23.84	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.08	4.45	24.38	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.21	4.45	24.51	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.33	4.45	24.63	34.8	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.21	4.45	23.51	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.41	4.45	24.71	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.54	4.45	24.84	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.24	4.45	24.54	34.8	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.37	4.45	23.67	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.35	4.45	24.65	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.38	4.45	24.68	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#0	22.85	4.45	25.15	34.8	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.31	4.45	24.61	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.13	4.45	25.43	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.27	4.45	25.57	34.8	PASS
Band13	10MHz	16QAM	23230	27RB#0	21.11	4.45	23.41	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.22	4.45	24.52	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.43	4.45	24.73	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.59	4.45	24.89	34.8	PASS

Peak-to-Average Ratio(CCDF)

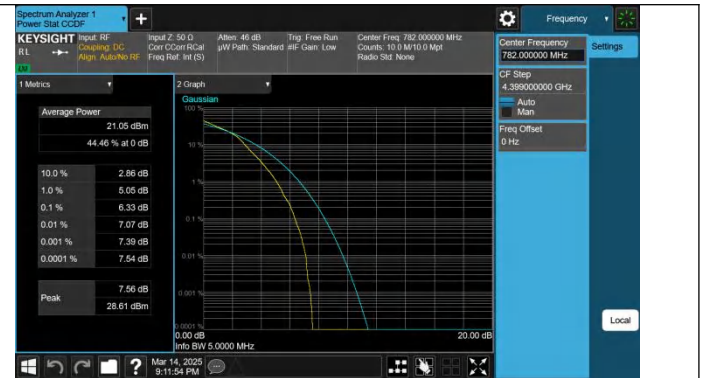
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23230	25RB#0	5.69	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	6.33	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.63	13	PASS
Band13	10MHz	16QAM	23230	27RB#0	6.38	13	PASS

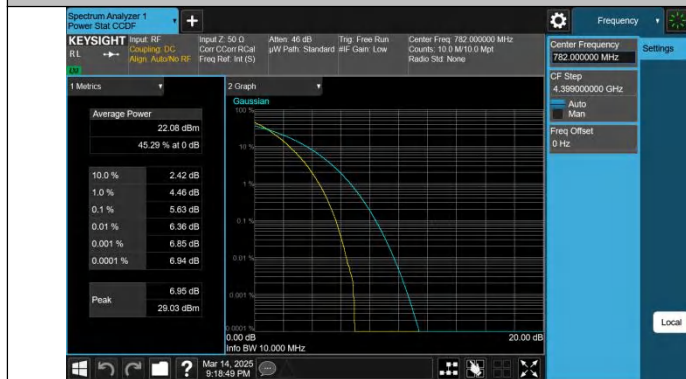
Test Graphs



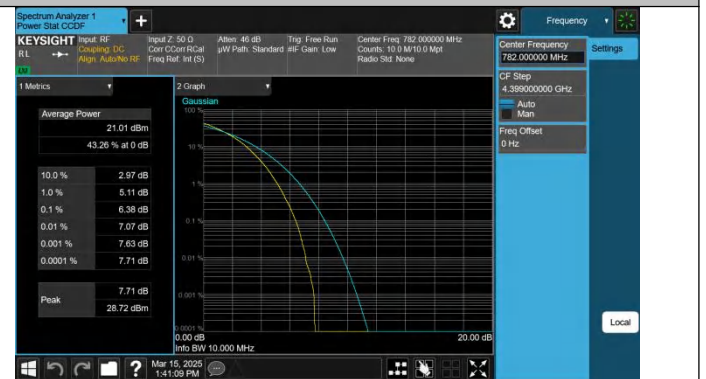
Band13-5MHz-QPSK-23230-25RB#0-PASS



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



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



Band13-10MHz-16QAM-23230-27RB#0-PASS

26dB Bandwidth and Occupied Bandwidth

Test Result

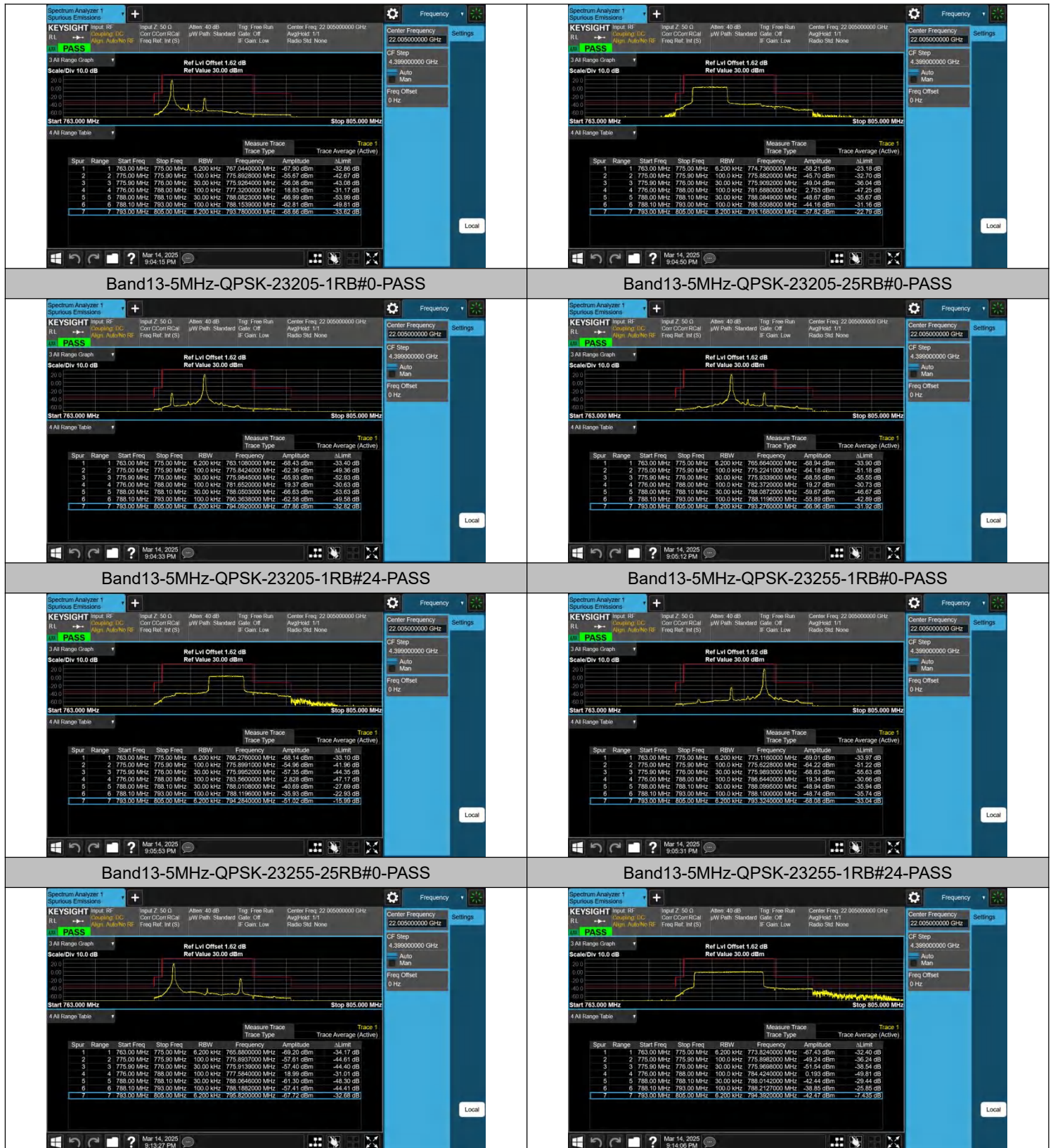
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23230	25RB#0	4.5081	5.065	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4992	4.983	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9657	10.18	PASS
Band13	10MHz	16QAM	23230	27RB#0	5.0371	6.330	PASS

Test Graphs



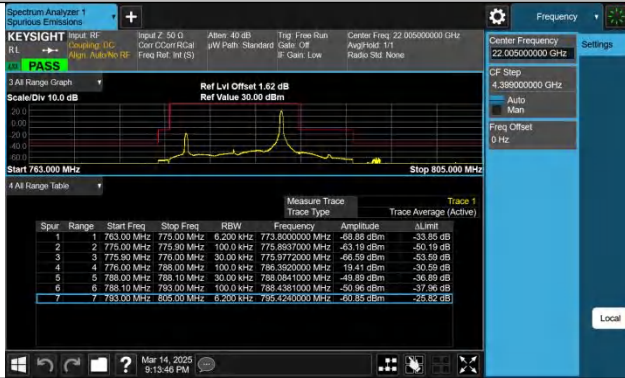
Band Edge

Test Graphs



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

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



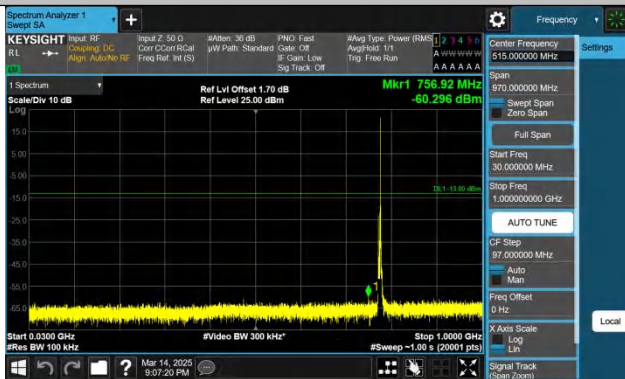
Band13-10MHz-QPSK-23230-1RB#49-PASS

Conducted Spurious Emission

Test Graphs



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



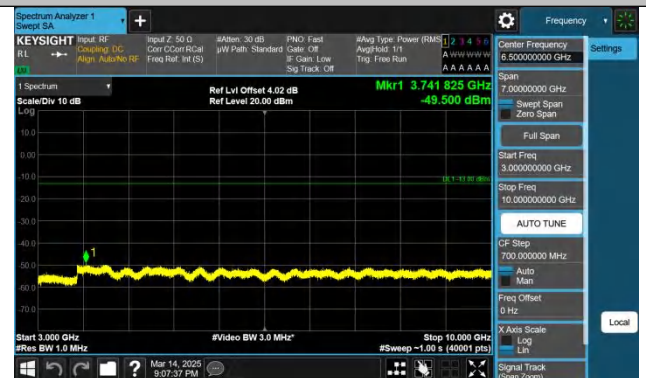
Band13-5MHz-QPSK-23205-1RB#24-0.15~30-PASS



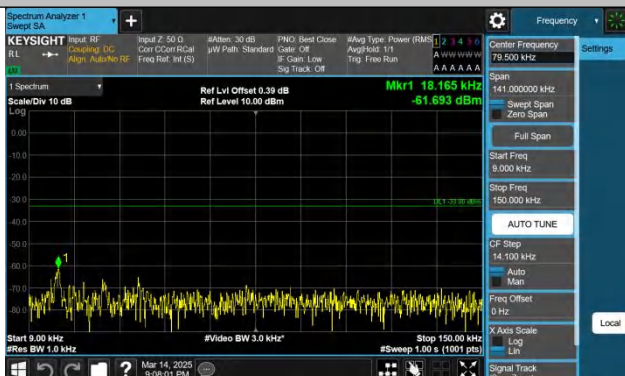
Band13-5MHz-QPSK-23205-1RB#24-30~1000-PASS



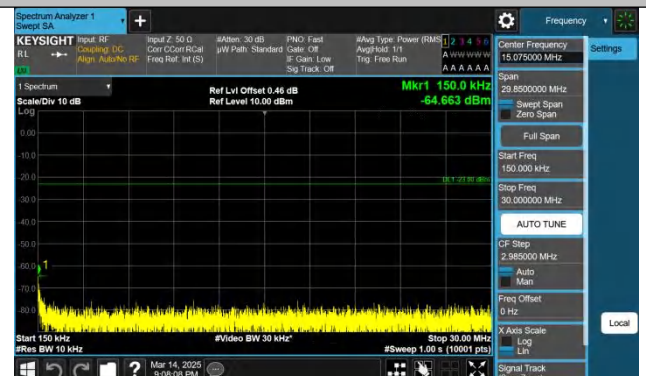
Band13-5MHz-QPSK-23205-1RB#24-1559~1610-PASS



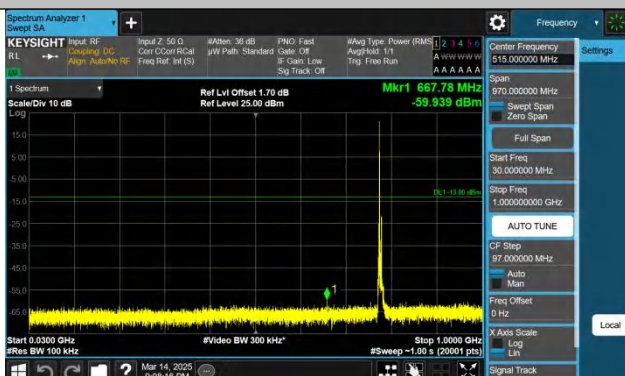
Band13-5MHz-QPSK-23205-1RB#24-1000~3000-PASS



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

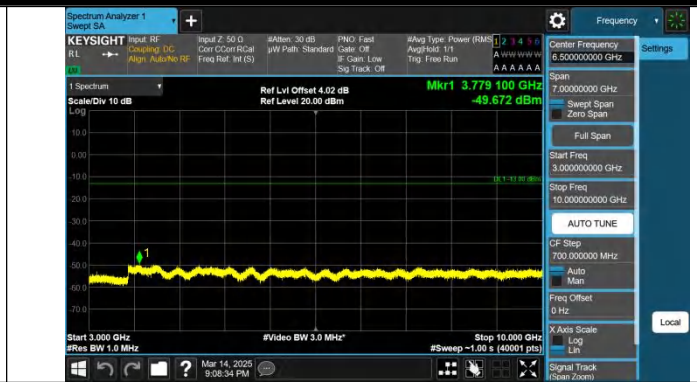


Band13-5MHz-QPSK-23230-1RB#0-30~1000-PASS

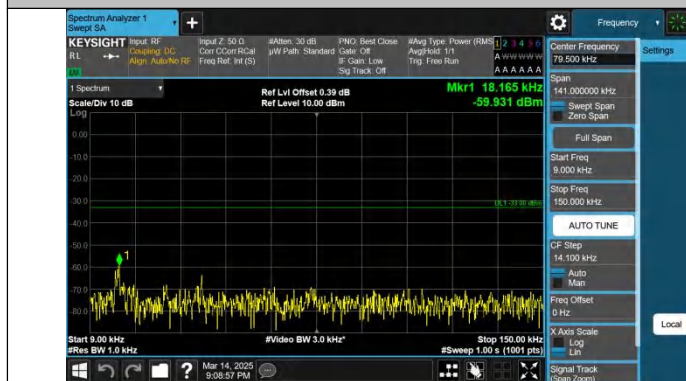
Band13-5MHz-QPSK-23230-1RB#0-1559~1610-PASS



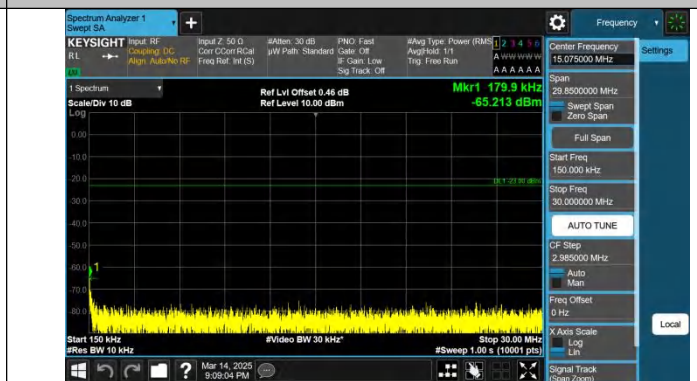
Band13-5MHz-QPSK-23230-1RB#0-1000~3000-PASS



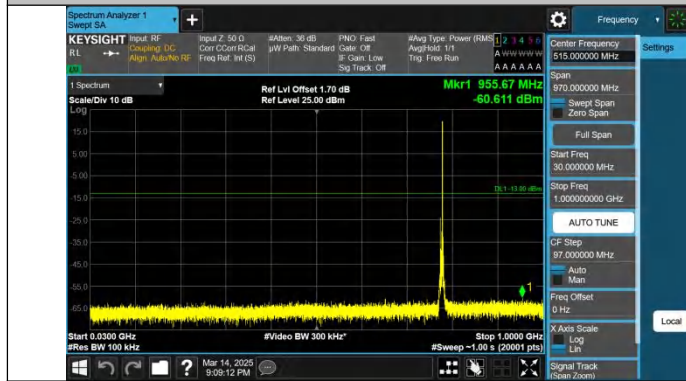
Band13-5MHz-QPSK-23230-1RB#0-3000~10000-PASS



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



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



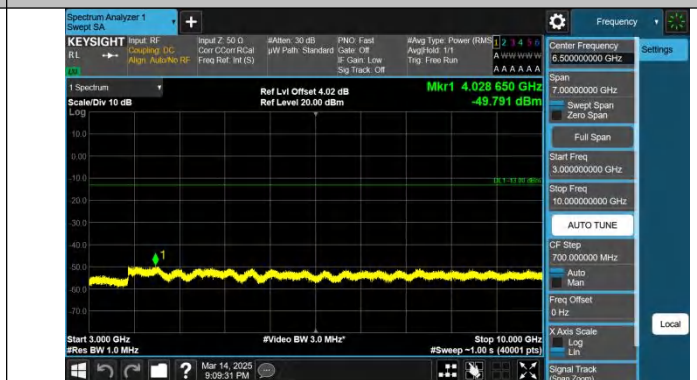
Band13-5MHz-QPSK-23230-1RB#24-30~1000-PASS



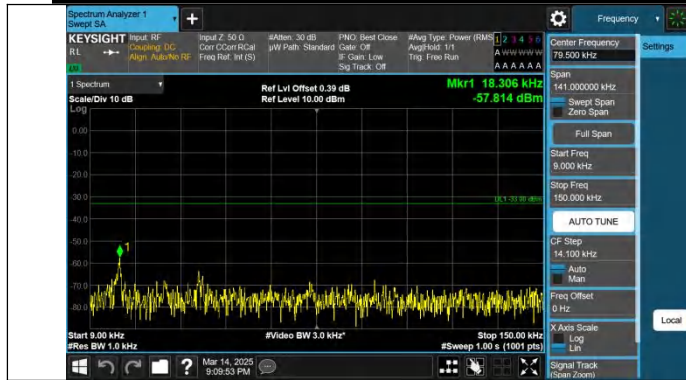
Band13-5MHz-QPSK-23230-1RB#24-1559~1610-PASS



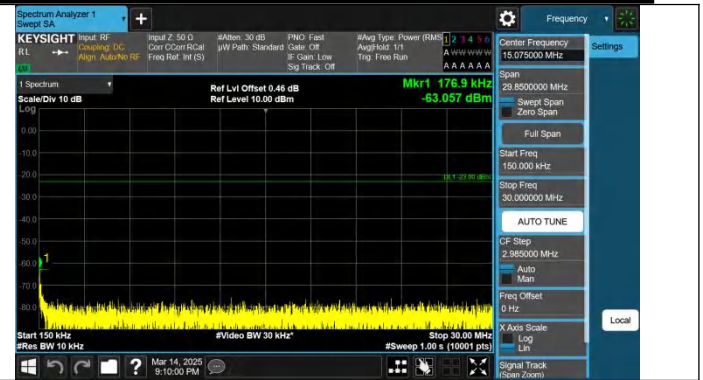
Band13-5MHz-QPSK-23230-1RB#24-1000~3000-PASS



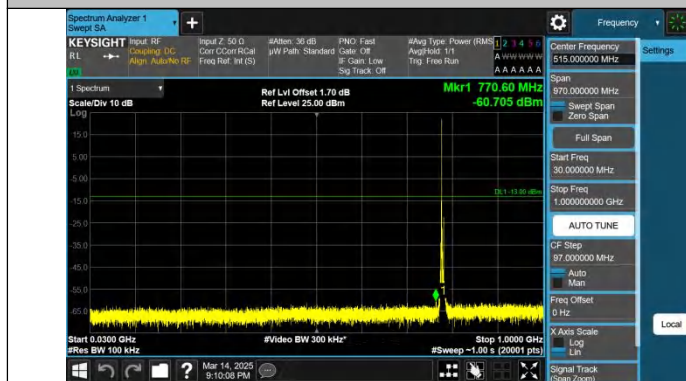
Band13-5MHz-QPSK-23230-1RB#24-3000~10000-PASS



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



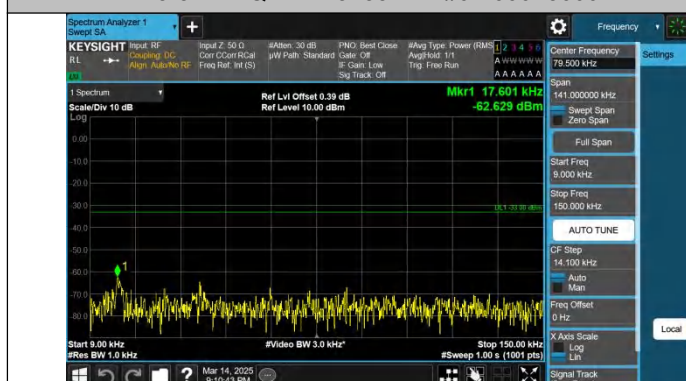
Band13-5MHz-QPSK-23255-1RB#0-1559~1610-PASS



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



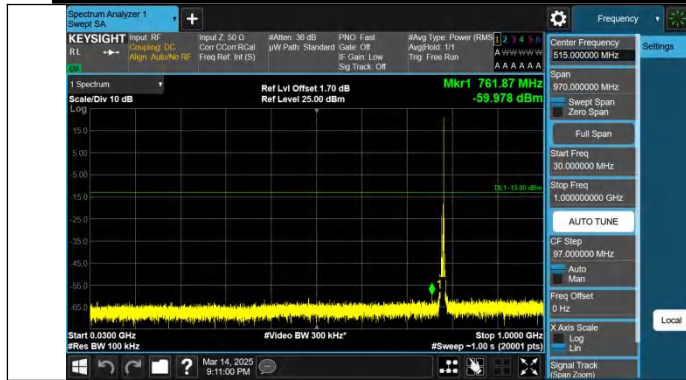
Band13-5MHz-QPSK-23255-1RB#0-3000~10000-PASS



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



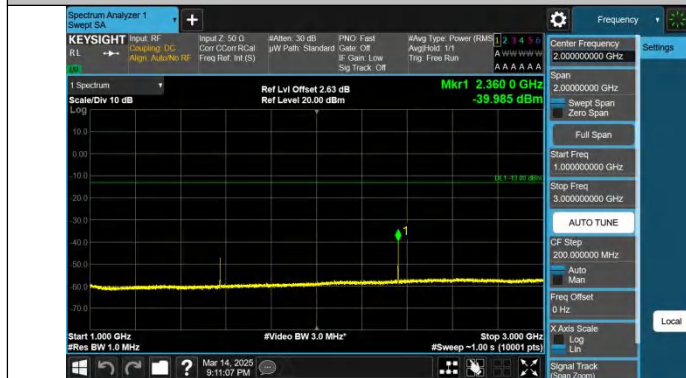
Band13-5MHz-QPSK-23255-1RB#24-0.15~30-PASS



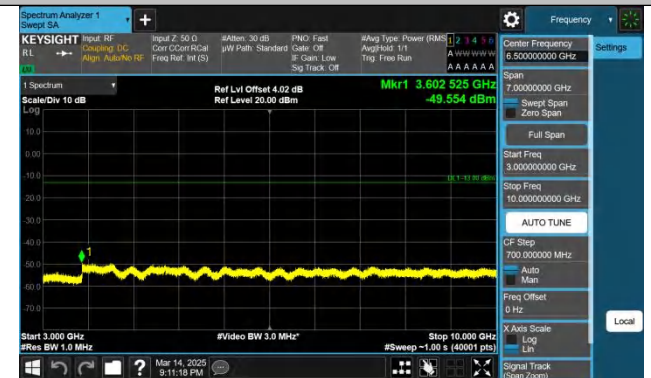
Band13-5MHz-QPSK-23255-1RB#24-30~1000-PASS



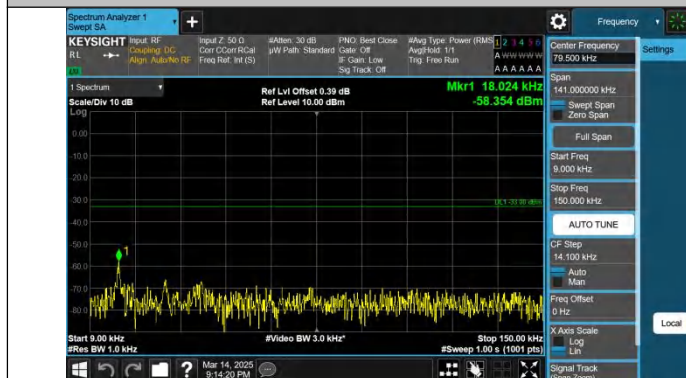
Band13-5MHz-QPSK-23255-1RB#24-1559~1610-PASS



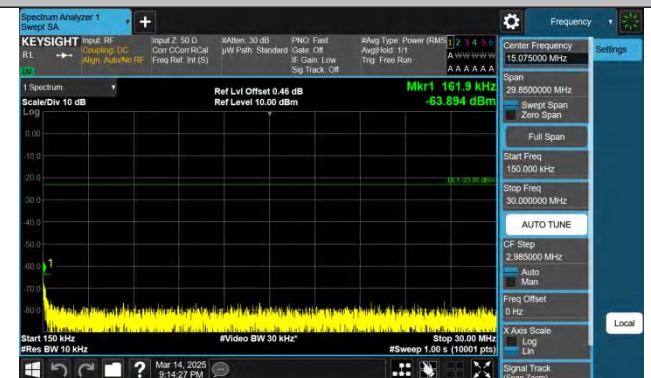
Band13-5MHz-QPSK-23255-1RB#24-1000~3000-PASS



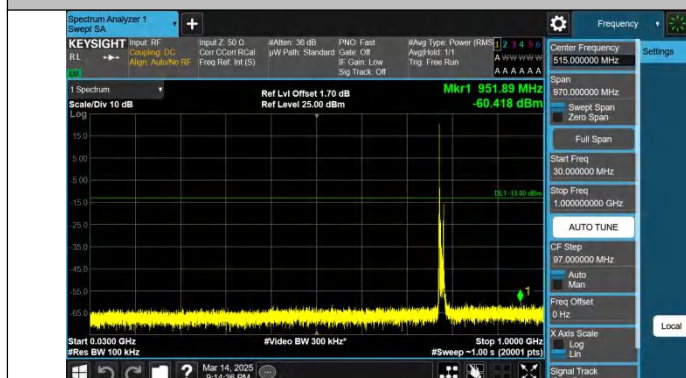
Band13-5MHz-QPSK-23255-1RB#24-3000~10000-PASS



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



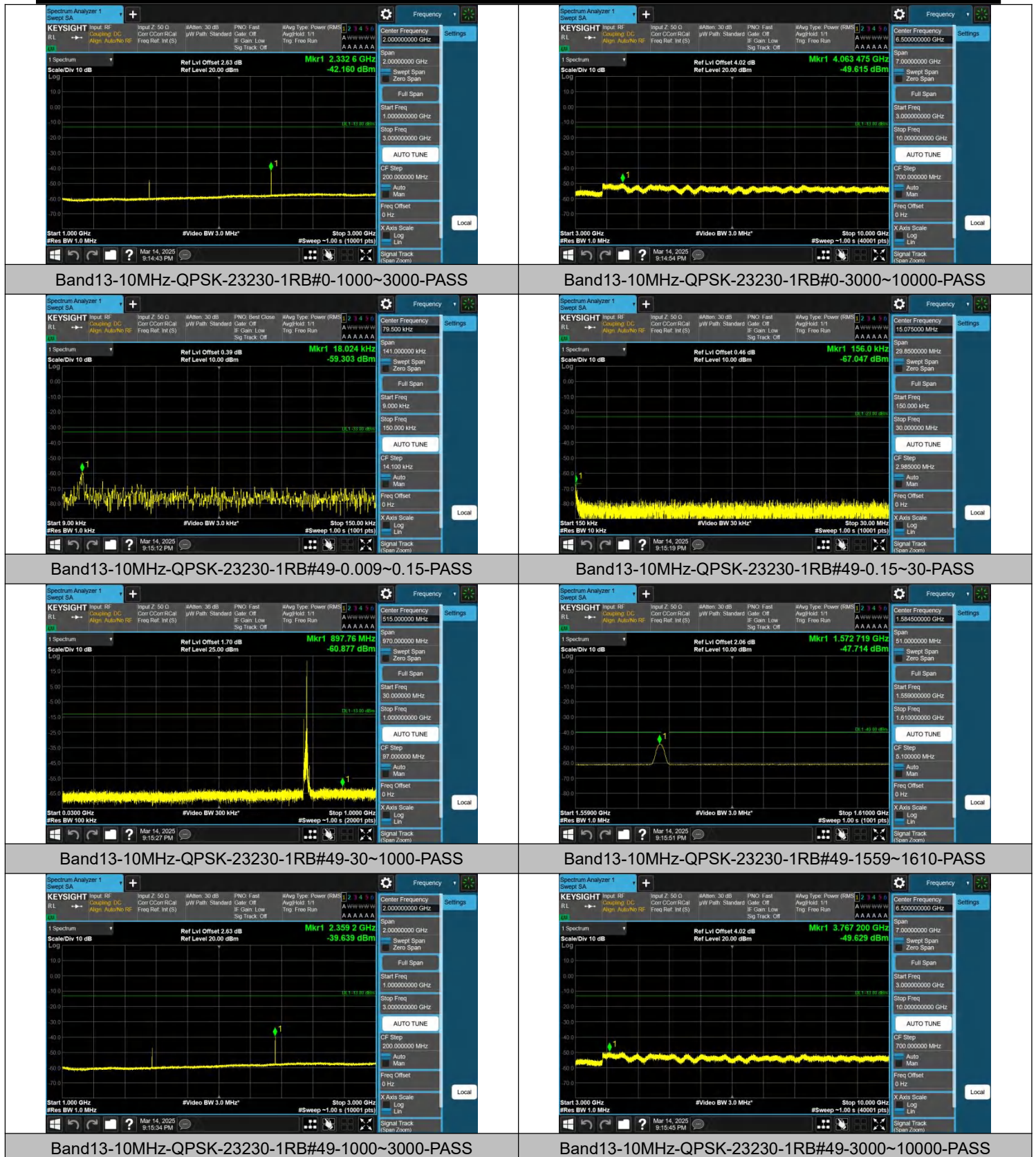
Band13-10MHz-QPSK-23230-1RB#0-0.15~30-PASS



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



Band13-10MHz-QPSK-23230-1RB#0-1559~1610-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	3740.00	4.782609	±NA	777.54564	786.46184	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	VL	NT	7140.00	9.130435	±NA	777.55259	786.46169	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	VH	NT	2410.00	3.081841	±NA	777.54421	786.46061	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	4050.00	5.179028	±NA	777.545	786.4631	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	-20	5040.00	6.445013	±NA	777.54779	786.46229	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	-10	3220.00	4.117647	±NA	777.54497	786.46147	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	0	2130.00	2.723785	±NA	777.54438	786.45988	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	10	6280.00	8.030691	±NA	777.54888	786.46368	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	20	6440.00	8.235294	±NA	777.55079	786.46209	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	30	6520.00	8.337596	±NA	777.55182	786.46122	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	40	4250.00	5.434783	±NA	777.54695	786.46155	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	50	3990.00	5.102302	±NA	777.54559	786.46239	777-787	PASS

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