

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	22.85	4.45	25.15	34.8	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.02	4.45	24.32	34.8	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.04	4.45	25.34	34.8	PASS
Band13	5MHz	QPSK	23205	1RB#24	22.93	4.45	25.23	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.07	4.45	25.37	34.8	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.22	4.45	24.52	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.24	4.45	25.54	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.08	4.45	25.38	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.12	4.45	25.42	34.8	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.23	4.45	24.53	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.31	4.45	25.61	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.06	4.45	25.36	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#0	21.8	4.45	24.1	34.8	PASS
Band13	5MHz	16QAM	23205	25RB#0	20.99	4.45	23.29	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.1	4.45	24.4	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#24	21.68	4.45	23.98	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.07	4.45	24.37	34.8	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.28	4.45	23.58	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.07	4.45	24.37	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.13	4.45	24.43	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#0	21.78	4.45	24.08	34.8	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.15	4.45	23.45	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#12	21.64	4.45	23.94	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.03	4.45	24.33	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#0	22.97	4.45	25.27	34.8	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.26	4.45	24.56	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.13	4.45	25.43	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#49	22.96	4.45	25.26	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.05	4.45	24.35	34.8	PASS
Band13	10MHz	16QAM	23230	50RB#0	21.19	4.45	23.49	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.24	4.45	24.54	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.08	4.45	24.38	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	5.20	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.99	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.18	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.02	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



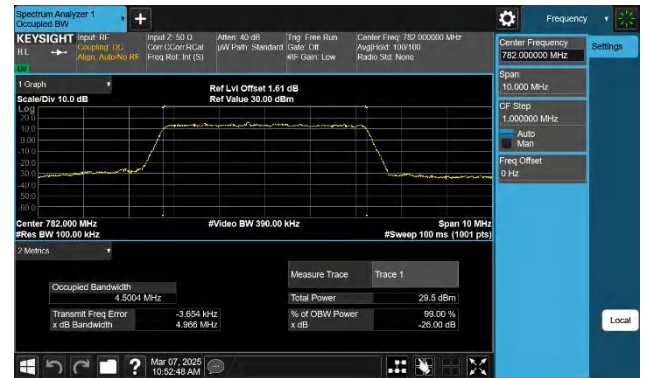
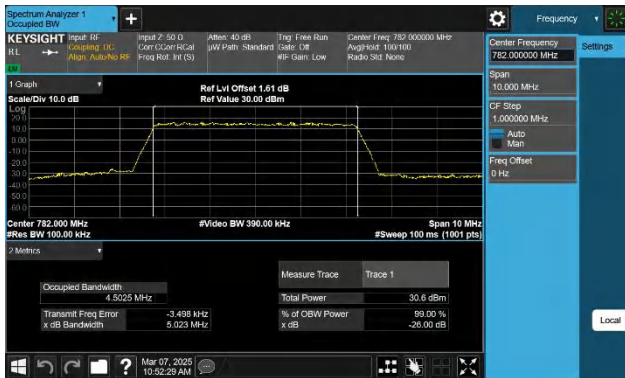
Band13-10MHz-16QAM-23230-50RB#0-PASS

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	4.5025	5.023	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5004	4.966	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9465	9.888	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9565	9.834	PASS

Test Graphs



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

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

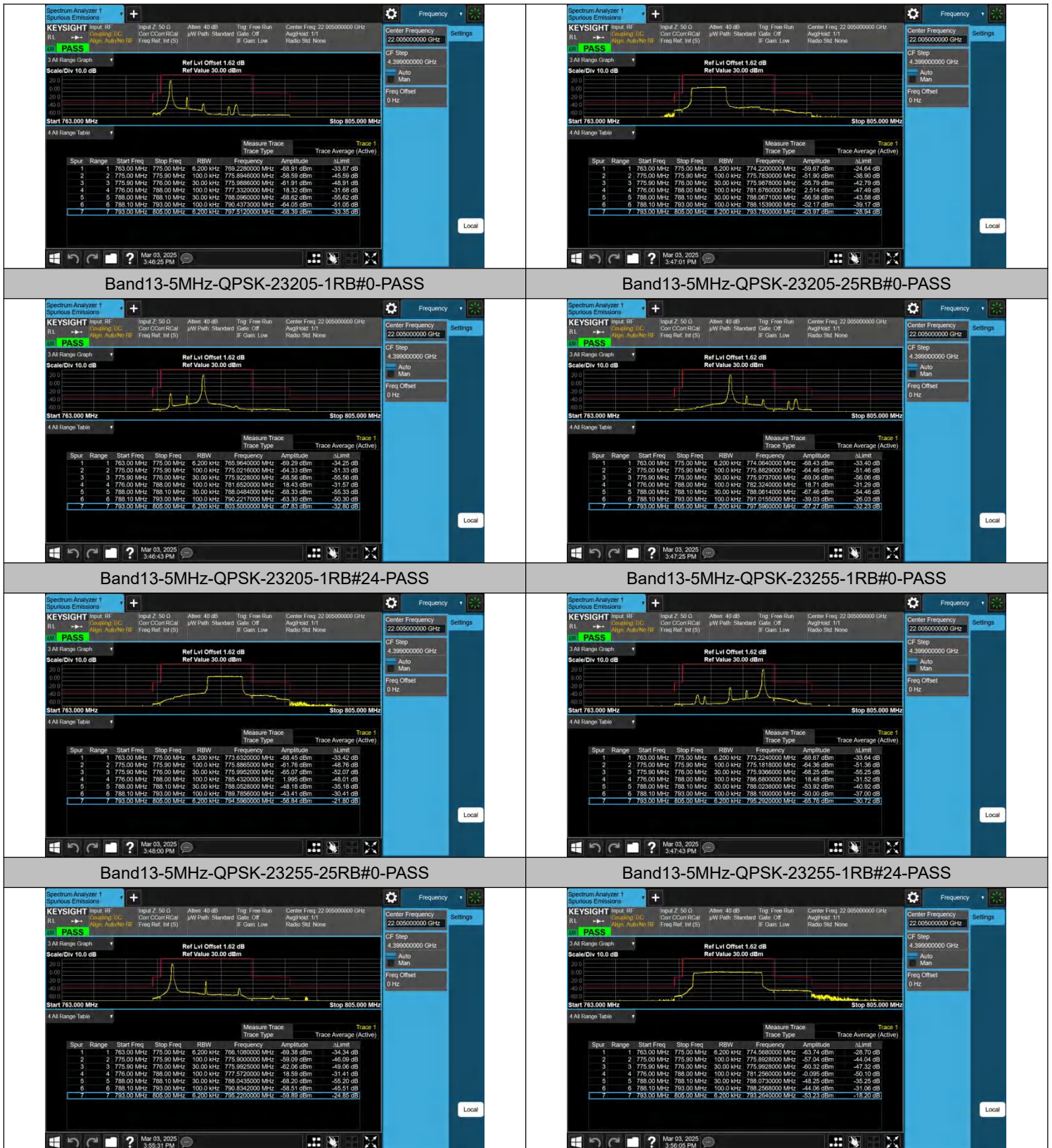


Band13-10MHz-QPSK-23230-50RB#0-PASS

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

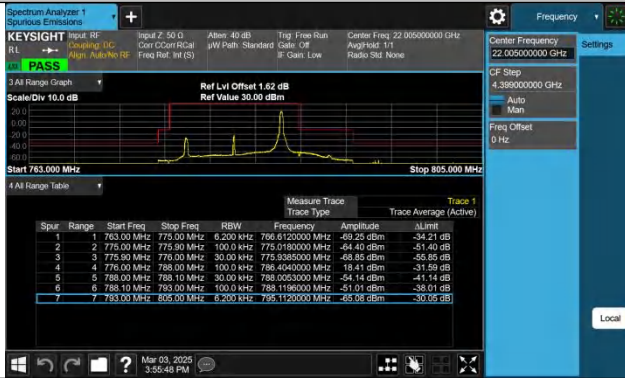
Band Edge

Test Graphs



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

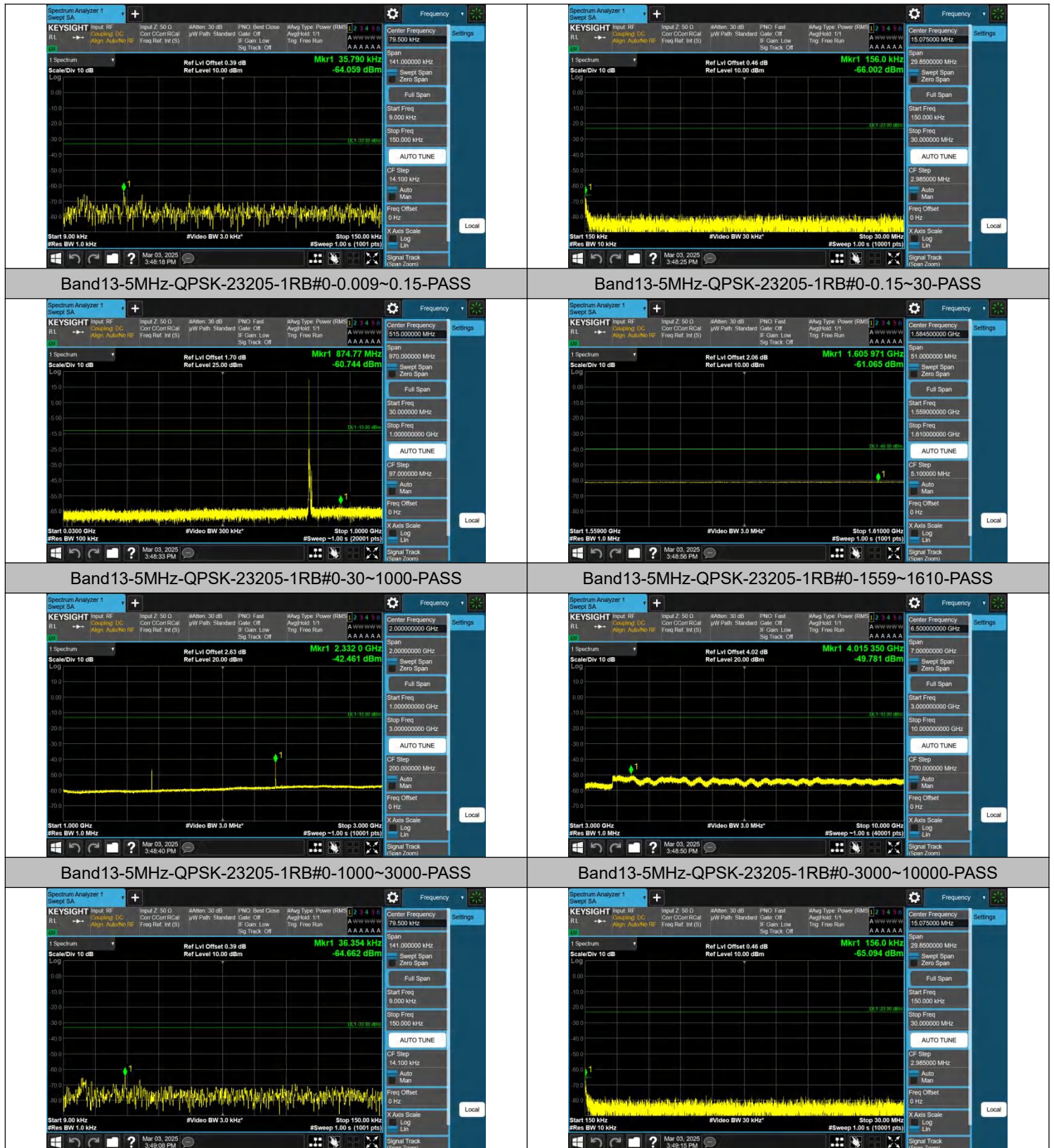
Band13-10MHz-QPSK-23230-50RB#0-PASS



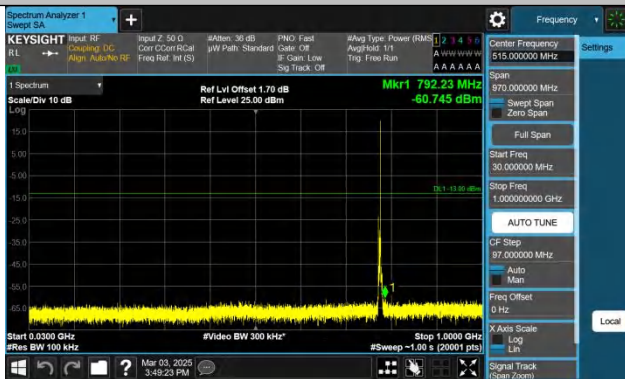
Band13-10MHz-QPSK-23230-1RB#49-PASS

Conducted Spurious Emission

Test Graphs



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



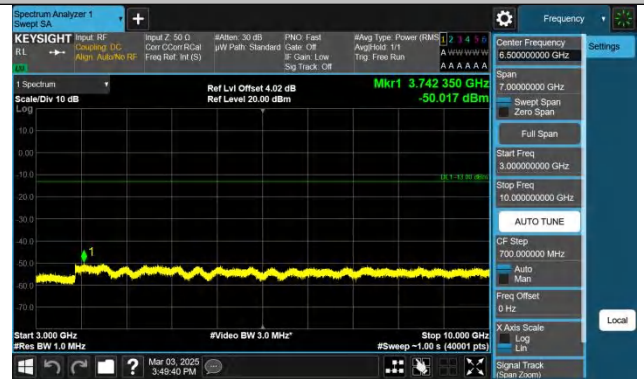
Band13-5MHz-QPSK-23205-1RB#24-0.15~30-PASS



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



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



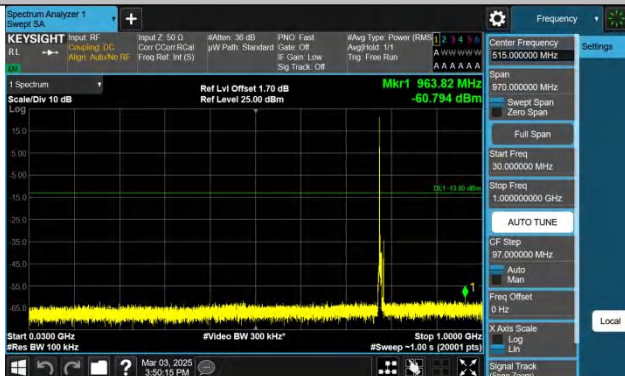
Band13-5MHz-QPSK-23205-1RB#24-1000~3000-PASS



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



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

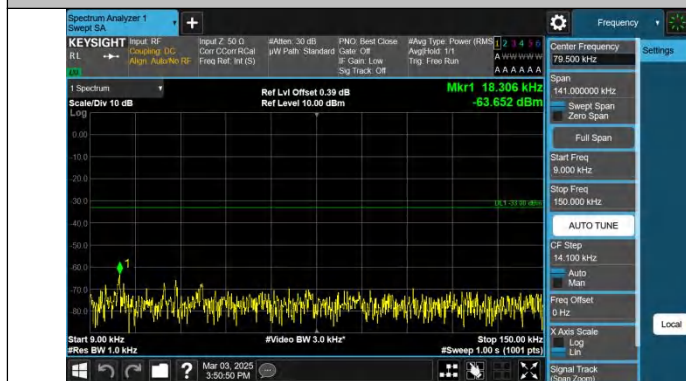
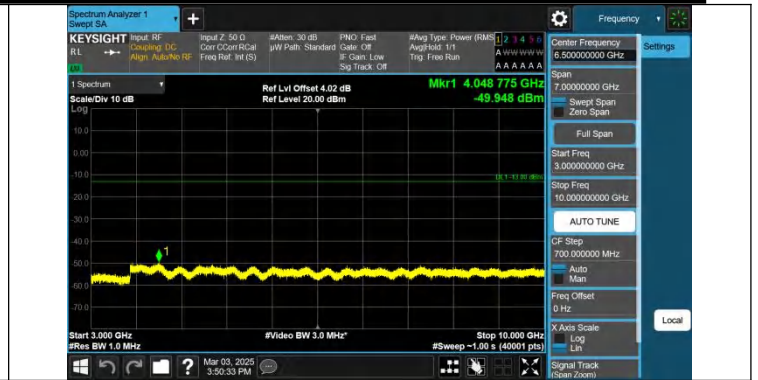
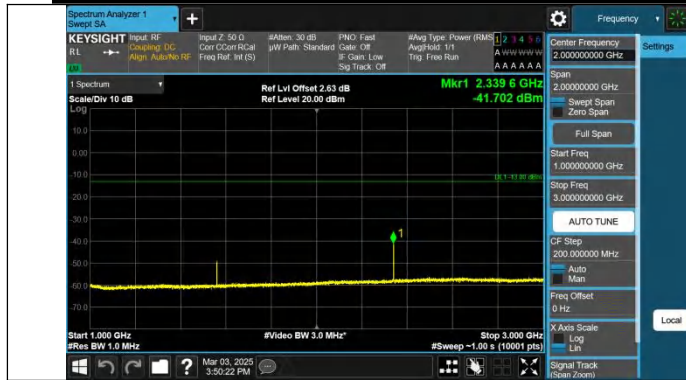


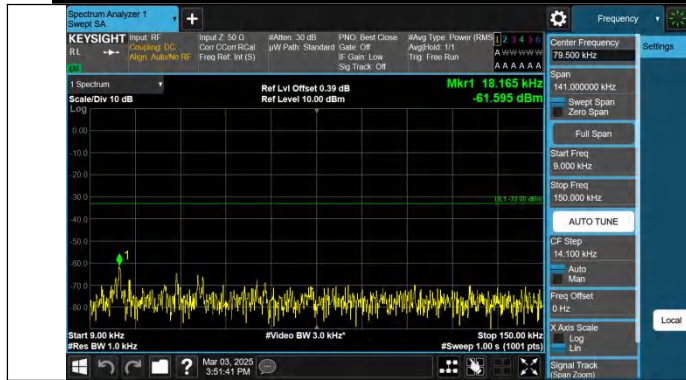
Band13-5MHz-QPSK-23230-1RB#0-0.15~30-PASS



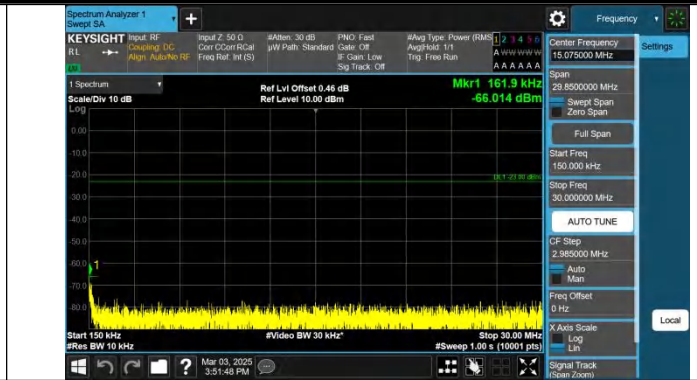
Band13-5MHz-QPSK-23230-1RB#0-30~1000-PASS

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

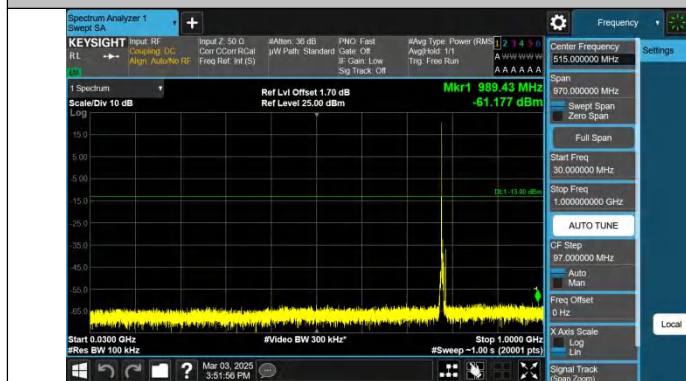




Band13-5MHz-QPSK-23255-1RB#0-0.009~0.15-PASS



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



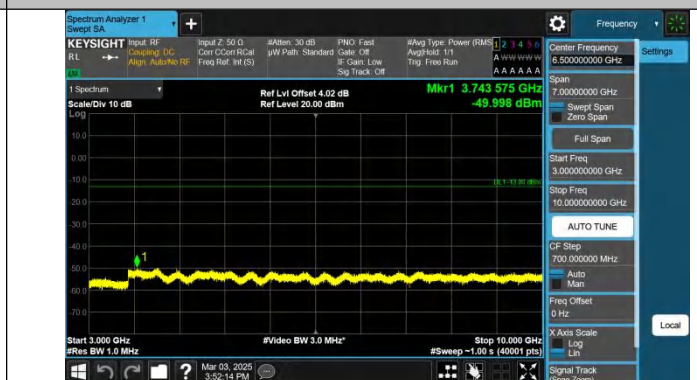
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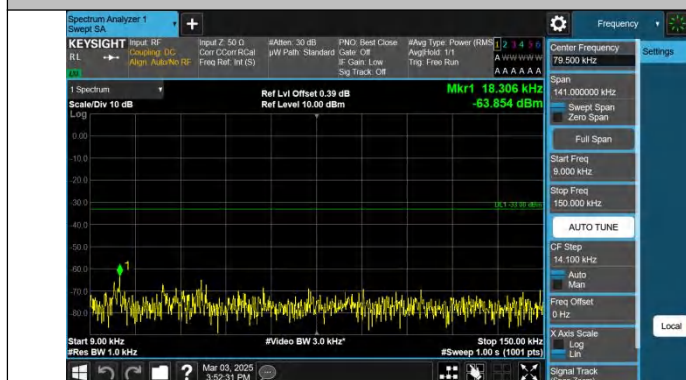
Band13-5MHz-QPSK-23255-1RB#0-1559~1610-PASS



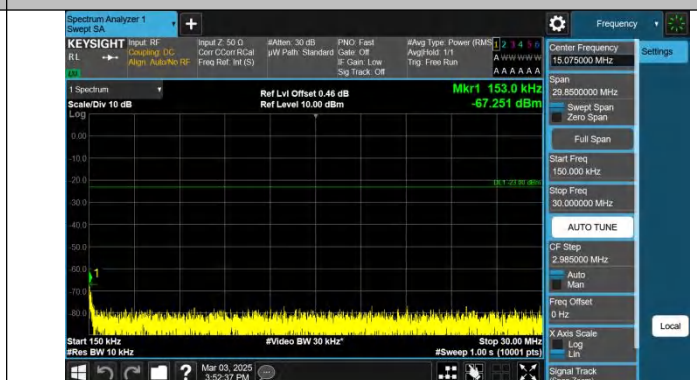
Band13-5MHz-QPSK-23255-1RB#0-1000~3000-PASS



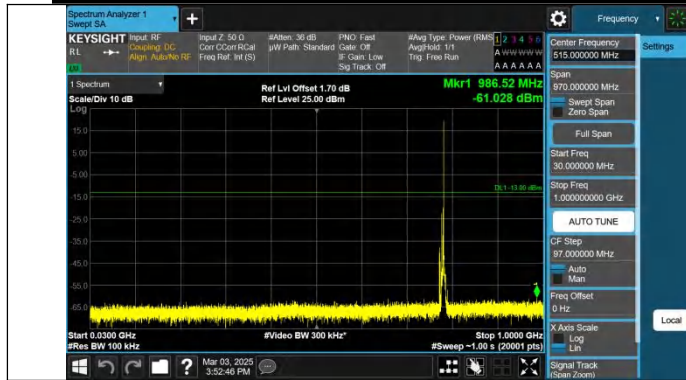
Band13-5MHz-QPSK-23255-1RB#0-3000~10000-PASS



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



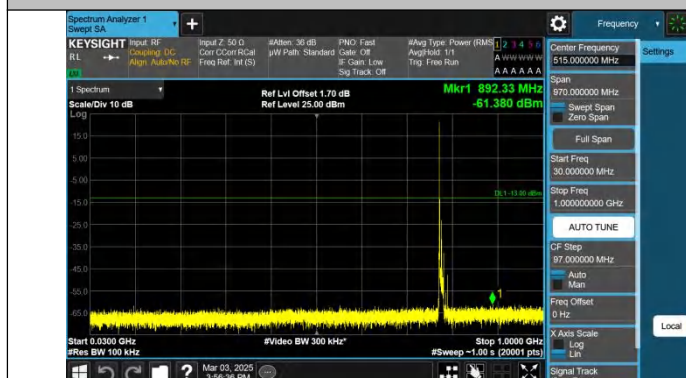
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Band13-5MHz-QPSK-23255-1RB#24-3000~10000-PASS



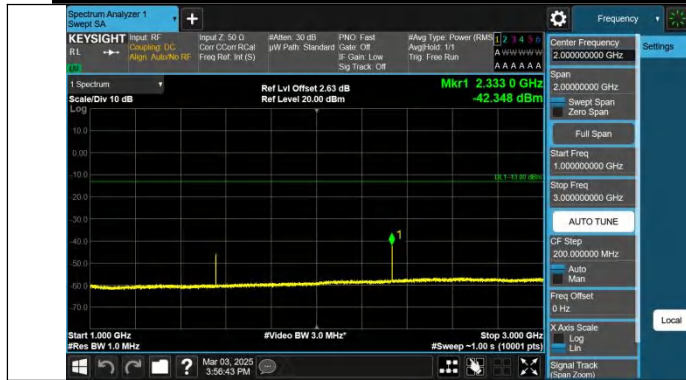
Band13-10MHz-QPSK-23230-1RB#0-0.009~0.15-PASS

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

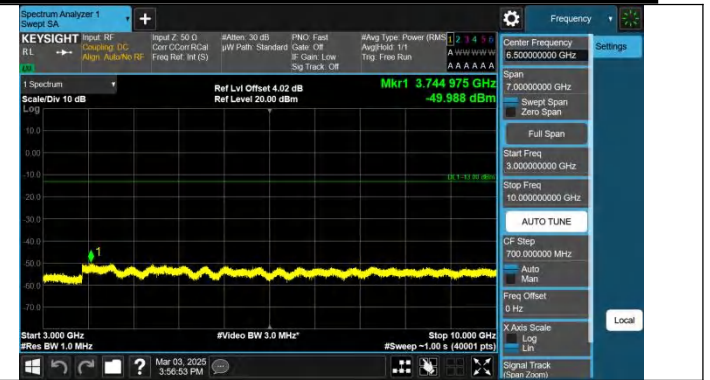


Band13-10MHz-QPSK-23230-1RB#0-30~1000-PASS

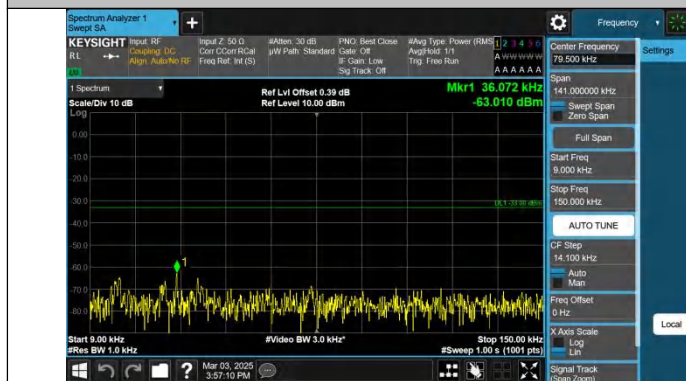
Band13-10MHz-QPSK-23230-1RB#0-1559~1610-PASS



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



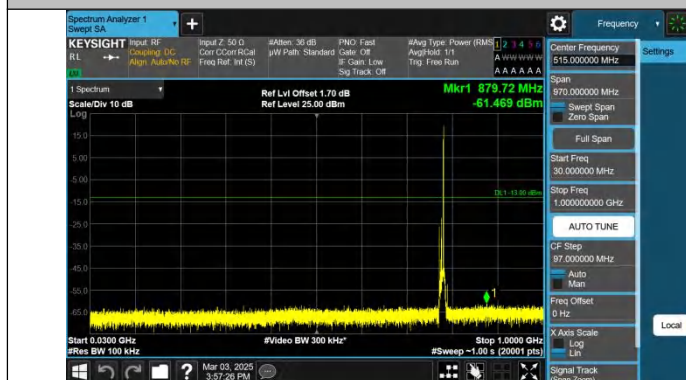
Band13-10MHz-QPSK-23230-1RB#0-3000~10000-PASS



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



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



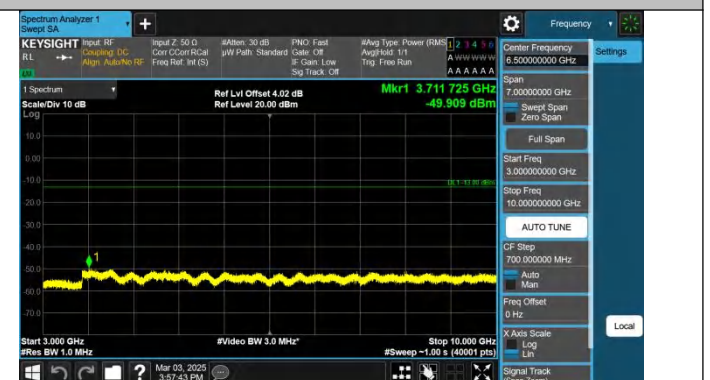
Band13-10MHz-QPSK-23230-1RB#49-30~1000-PASS



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



Band13-10MHz-QPSK-23230-1RB#49-1000~3000-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	10950.00	14.002558	±NA	777.5552	786.4667	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	VL	NT	13160.00	16.828645	±NA	777.55856	786.46776	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	VH	NT	11800.00	15.089514	±NA	777.55735	786.46625	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	14720.00	18.823529	±NA	777.55957	786.46987	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	-20	14190.00	18.145780	±NA	777.56084	786.46754	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	-10	10930.00	13.976982	±NA	777.55533	786.46653	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	0	12060.00	15.421995	±NA	777.55706	786.46706	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	10	13540.00	17.314578	±NA	777.55589	786.47119	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	20	14740.00	18.849105	±NA	777.56004	786.46944	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	30	9830.00	12.570332	±NA	777.55543	786.46423	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	40	14970.00	19.143223	±NA	777.56312	786.46682	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	50	11620.00	14.859335	±NA	777.55882	786.46442	777-787	PASS

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