

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	23.01	4.45	25.31	34.8	PASS
Band13	5MHz	QPSK	23205	1RB#12	22.92	4.45	25.22	34.8	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.33	4.45	25.63	34.8	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.15	4.45	24.45	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.13	4.45	25.43	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.32	4.45	25.62	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.38	4.45	25.68	34.8	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.44	4.45	24.74	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.52	4.45	25.82	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.3	4.45	25.6	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.31	4.45	25.61	34.8	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.37	4.45	24.67	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#0	21.97	4.45	24.27	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#12	21.74	4.45	24.04	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.17	4.45	24.47	34.8	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.17	4.45	23.47	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.31	4.45	24.61	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.52	4.45	24.82	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.6	4.45	24.9	34.8	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.43	4.45	23.73	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.45	4.45	24.75	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.17	4.45	24.47	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.26	4.45	24.56	34.8	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.47	4.45	23.77	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#0	22.85	4.45	25.15	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.21	4.45	25.51	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.11	4.45	25.41	34.8	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.31	4.45	24.61	34.8	PASS
Band13	10MHz	16QAM	23230	27RB#0	20.94	4.45	23.24	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.08	4.45	24.38	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.31	4.45	24.61	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.35	4.45	24.65	34.8	PASS

Peak-to-Average Ratio(CCDF)

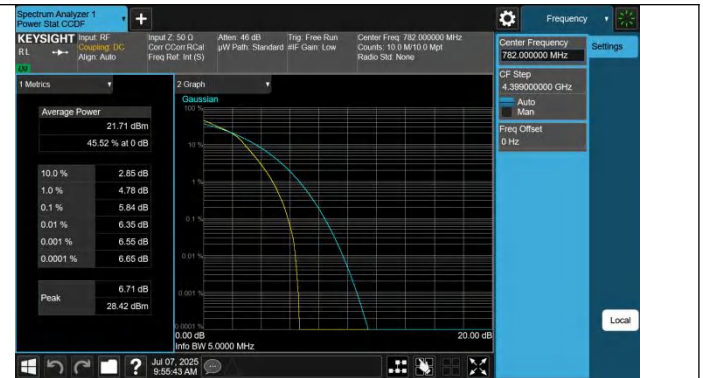
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23230	25RB#0	5.23	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.84	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.19	13	PASS
Band13	10MHz	16QAM	23230	27RB#0	5.90	13	PASS

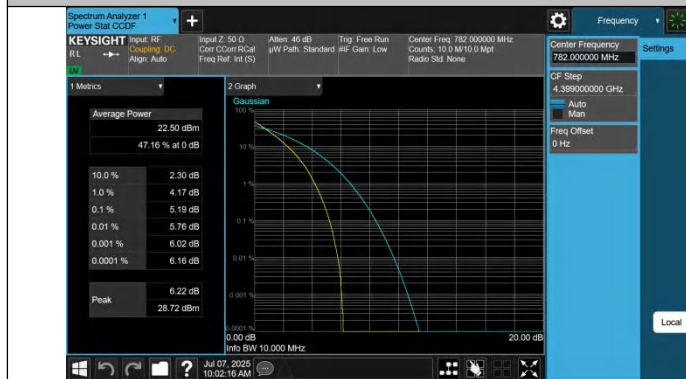
Test Graphs



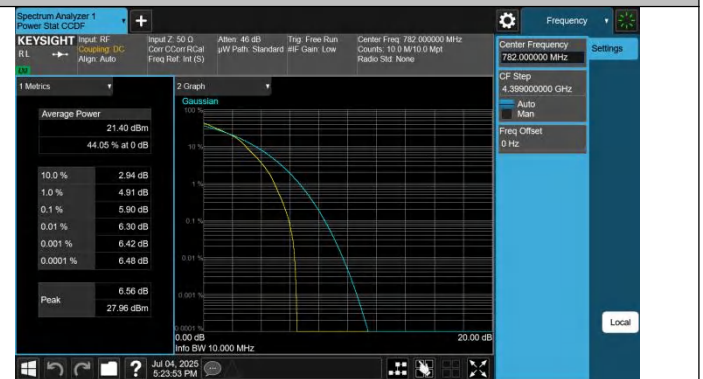
Band13-5MHz-QPSK-23230-25RB#0-PASS



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



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



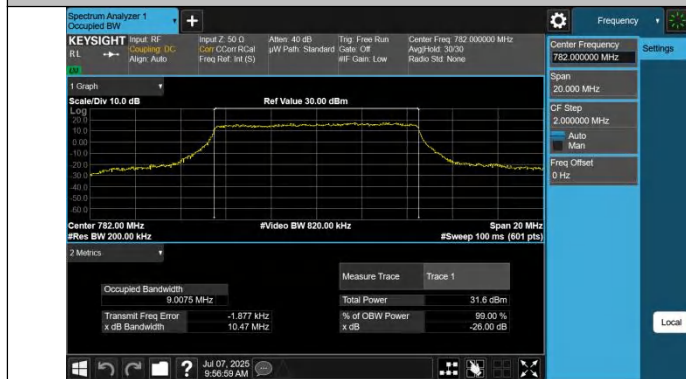
Band13-10MHz-16QAM-23230-27RB#0-PASS

26dB Bandwidth and Occupied Bandwidth

Test Result

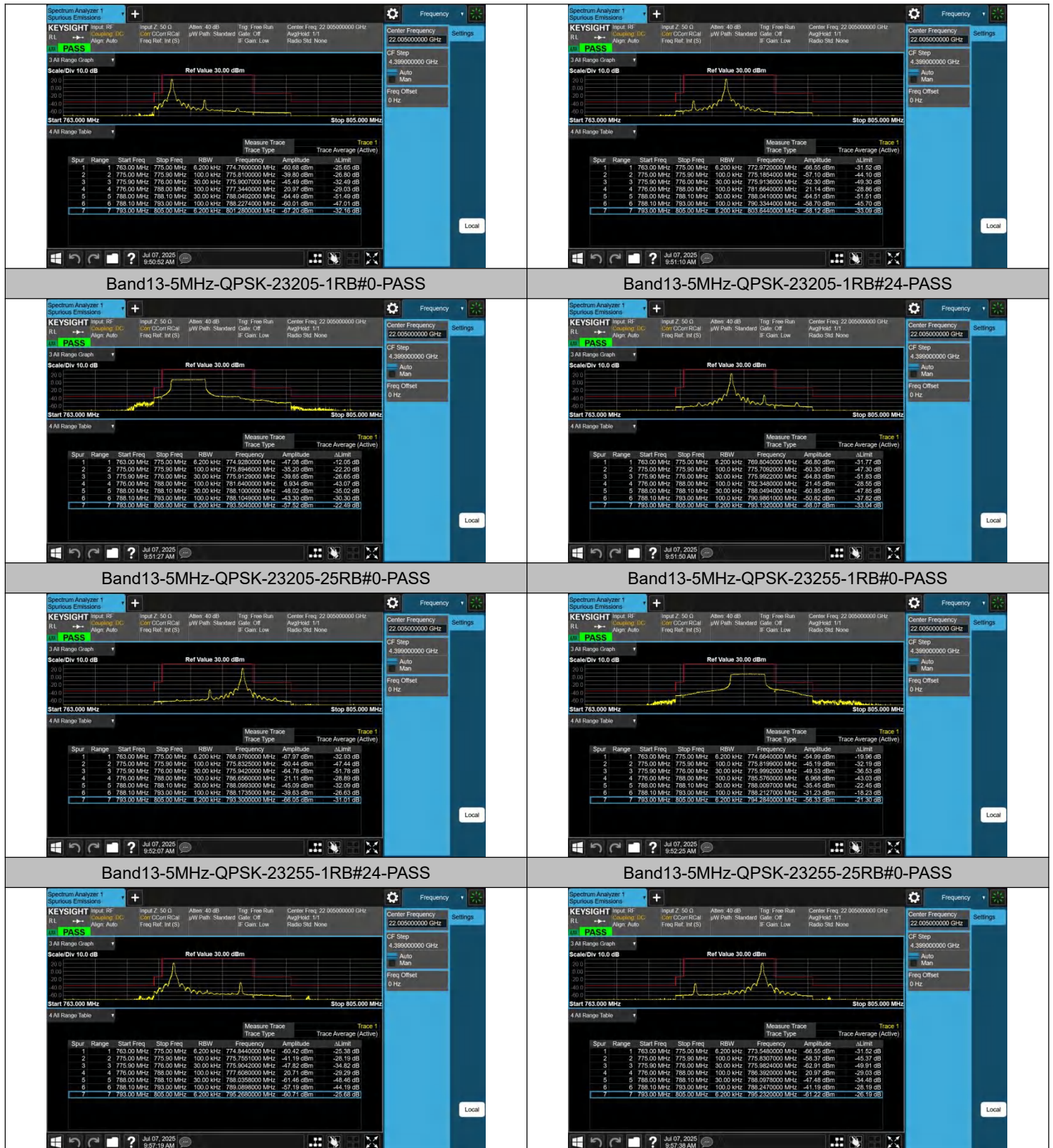
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23230	25RB#0	4.5360	5.585	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5263	5.671	PASS
Band13	10MHz	QPSK	23230	50RB#0	9.0075	10.47	PASS
Band13	10MHz	16QAM	23230	27RB#0	5.0901	6.719	PASS

Test Graphs

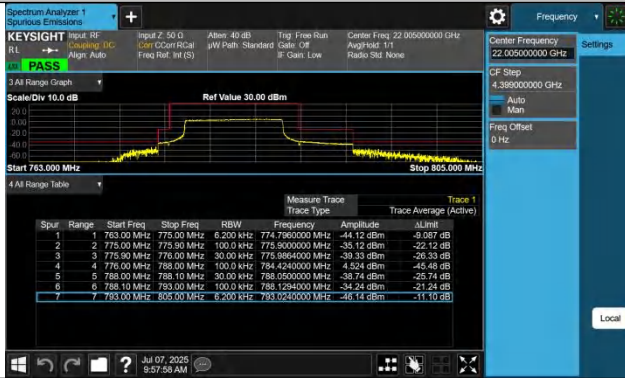


Band Edge

Test Graphs



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

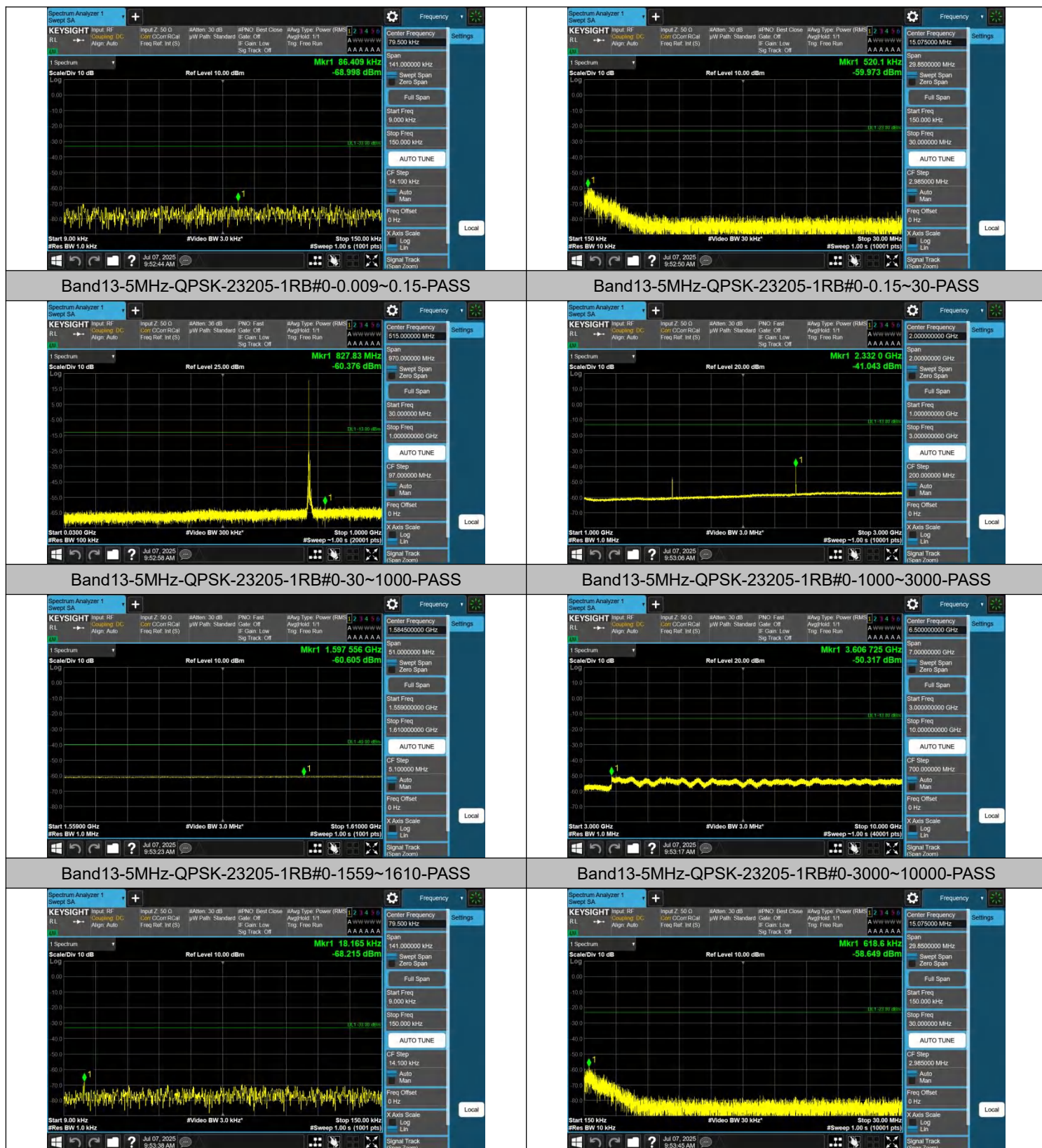


Band13-10MHz-QPSK-23230-50RB#0-PASS

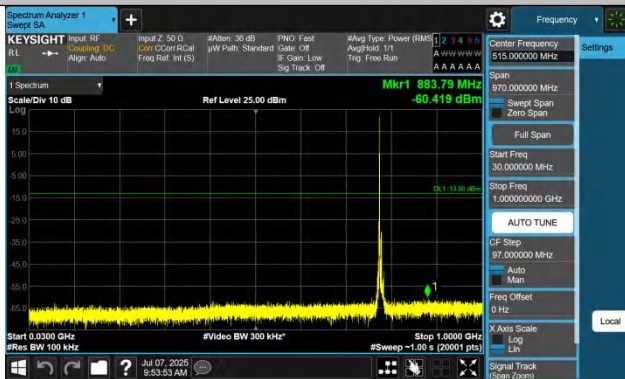
Band13-10MHz-QPSK-23230-1RB#49-PASS

Conducted Spurious Emission

Test Graphs



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



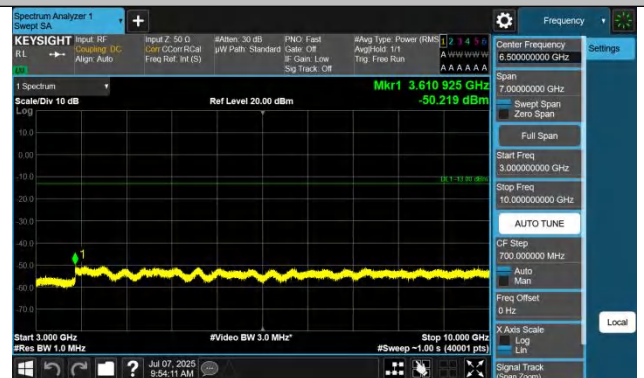
Band13-5MHz-QPSK-23230-1RB#0-0.15~30-PASS



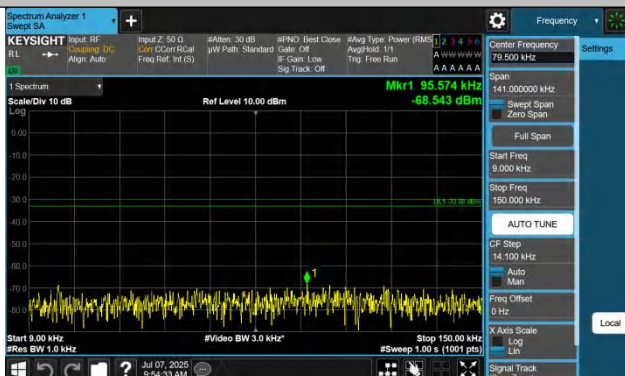
Band13-5MHz-QPSK-23230-1RB#0-30~1000-PASS



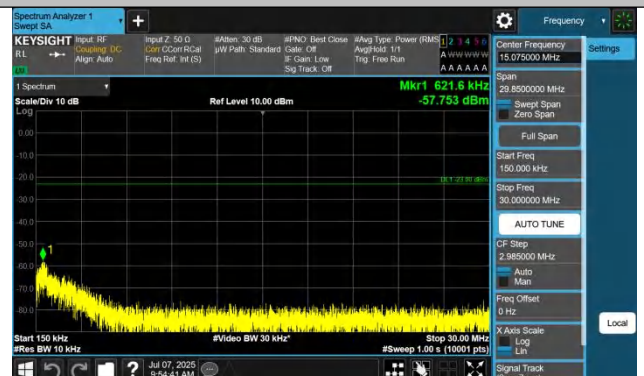
Band13-5MHz-QPSK-23230-1RB#0-1000~3000-PASS



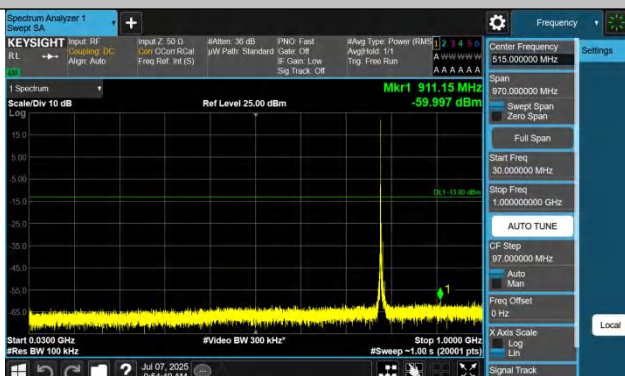
Band13-5MHz-QPSK-23230-1RB#0-1559~1610-PASS



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



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

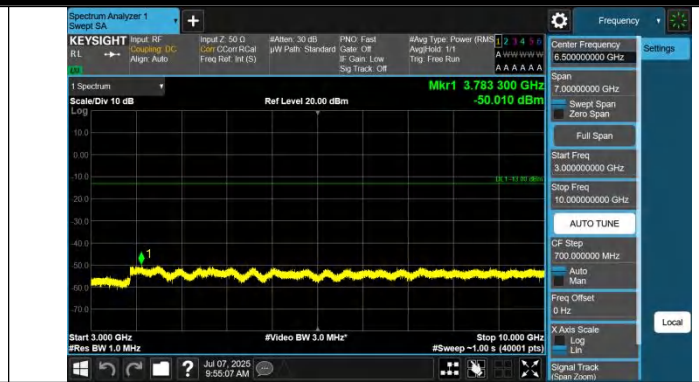


Band13-5MHz-QPSK-23255-1RB#0-0.15~30-PASS



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

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



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	2730.00	3.491049	±NA	777.53708	786.46838	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	VL	NT	1640.00	2.097187	±NA	777.53589	786.46739	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	VH	NT	4220.00	5.396419	±NA	777.53817	786.47027	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	2520.00	3.222506	±NA	777.53897	786.46607	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	-20	1630.00	2.084399	±NA	777.53643	786.46683	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	-10	4030.00	5.153453	±NA	777.53878	786.46928	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	0	3890.00	4.974425	±NA	777.54144	786.46634	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	10	1310.00	1.675192	±NA	777.53406	786.46856	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	20	4720.00	6.035806	±NA	777.54037	786.46907	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	30	3640.00	4.654731	±NA	777.53654	786.47074	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	40	2320.00	2.966752	±NA	777.53942	786.46522	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	50	4410.00	5.639386	±NA	777.53971	786.46911	777-787	PASS

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