

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Gain(dBi)	EIRP/ERP (dBm)	Limit (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	23.09	4.45	25.39	34.8	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.06	4.45	24.36	34.8	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.12	4.45	25.42	34.8	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.12	4.45	25.42	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.07	4.45	25.37	34.8	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.21	4.45	24.51	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.23	4.45	25.53	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.09	4.45	25.39	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.06	4.45	25.36	34.8	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.2	4.45	24.5	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.45	4.45	25.75	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.13	4.45	25.43	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.11	4.45	24.41	34.8	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.12	4.45	23.42	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.18	4.45	24.48	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#24	21.99	4.45	24.29	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#0	21.96	4.45	24.26	34.8	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.36	4.45	23.66	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.14	4.45	24.44	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.14	4.45	24.44	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#0	21.69	4.45	23.99	34.8	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.43	4.45	23.73	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.25	4.45	24.55	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#24	21.91	4.45	24.21	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#0	22.93	4.45	25.23	34.8	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.3	4.45	24.6	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.12	4.45	25.42	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.22	4.45	25.52	34.8	PASS
Band13	10MHz	16QAM	23230	27RB#0	21.2	4.45	23.5	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.14	4.45	24.44	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.37	4.45	24.67	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.29	4.45	24.59	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	5.18	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.98	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.16	13	PASS
Band13	10MHz	16QAM	23230	27RB#0	5.85	13	PASS

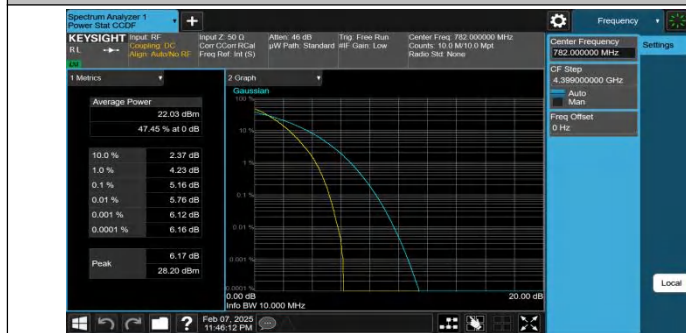
Test Graphs



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



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



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



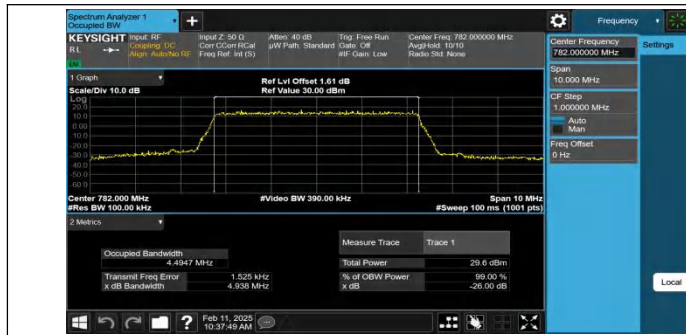
Band13-10MHz-16QAM-23230-27RB#0-PASS

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	4.4947	4.938	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4958	5.000	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9357	9.868	PASS
Band13	10MHz	16QAM	23230	27RB#0	4.9594	5.808	PASS

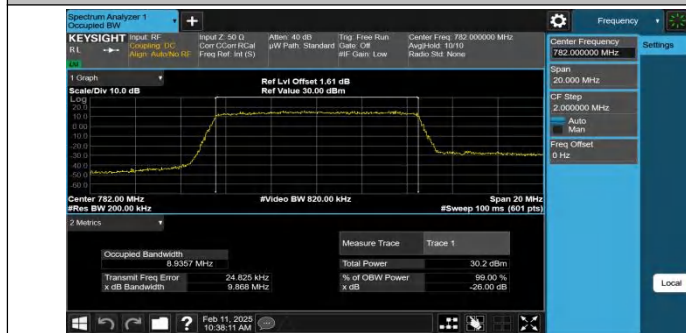
Test Graphs



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



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



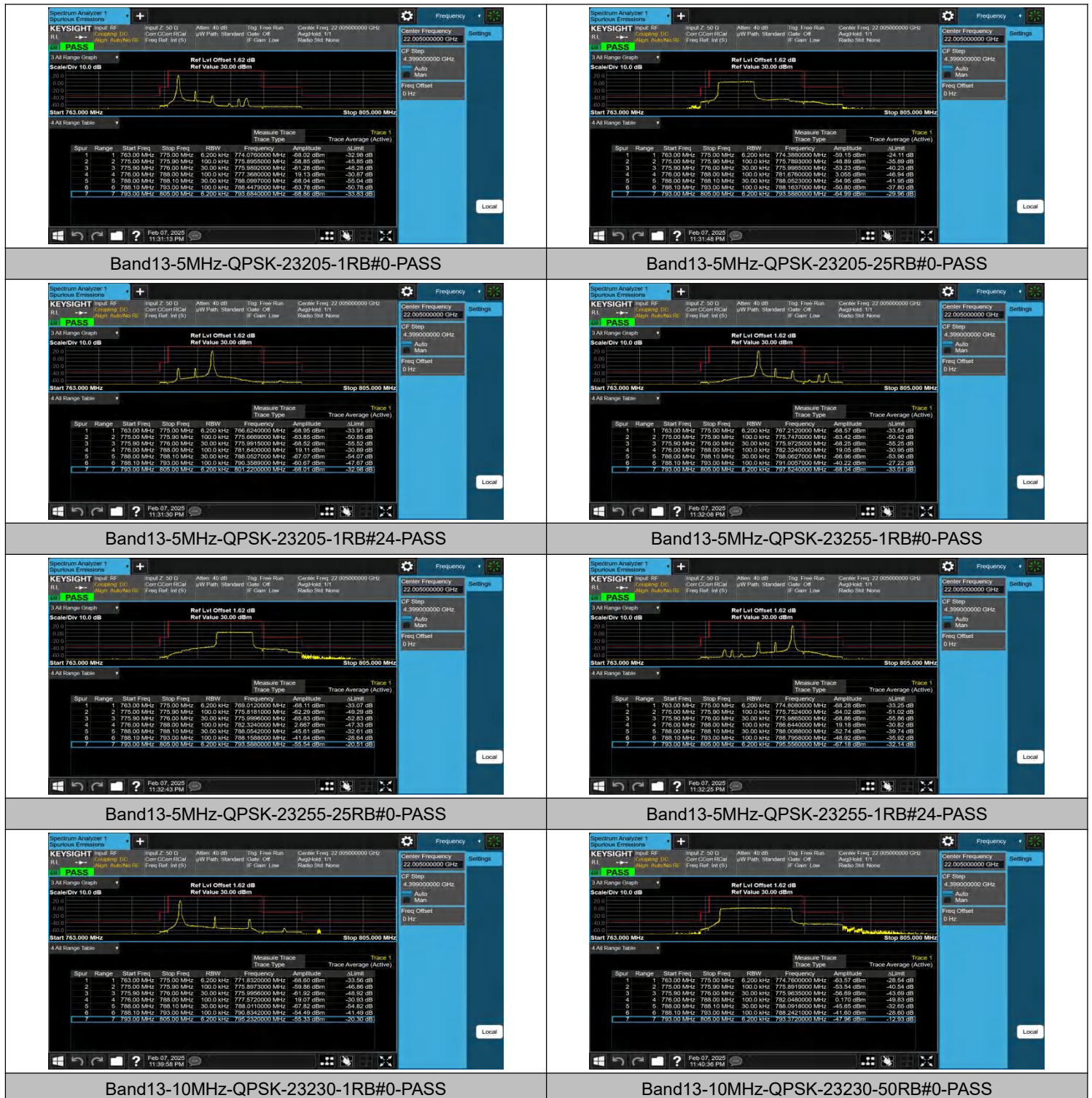
Band13-10MHz-QPSK-23230-50RB#0-PASS

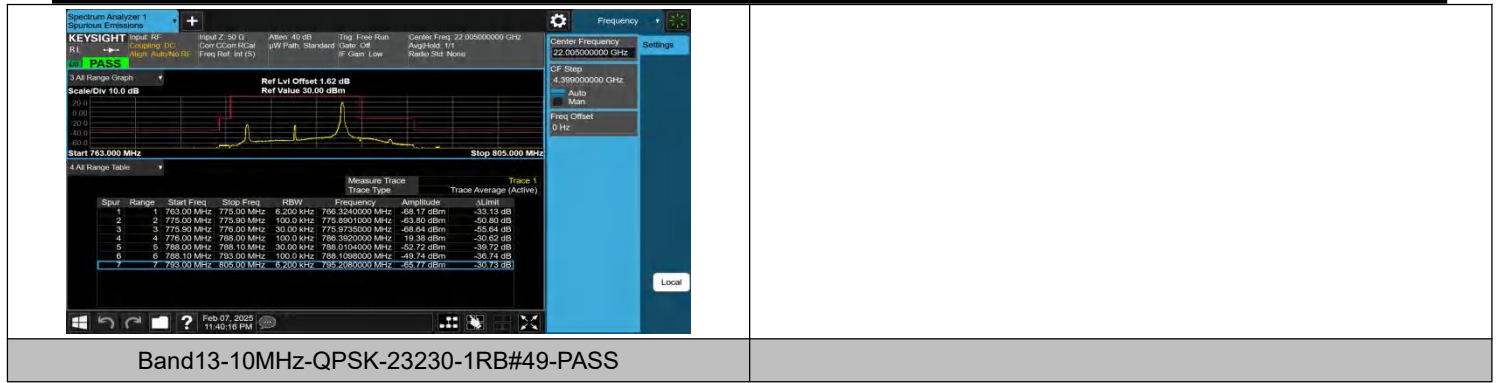


Band13-10MHz-16QAM-23230-27RB#0-PASS

Band Edge

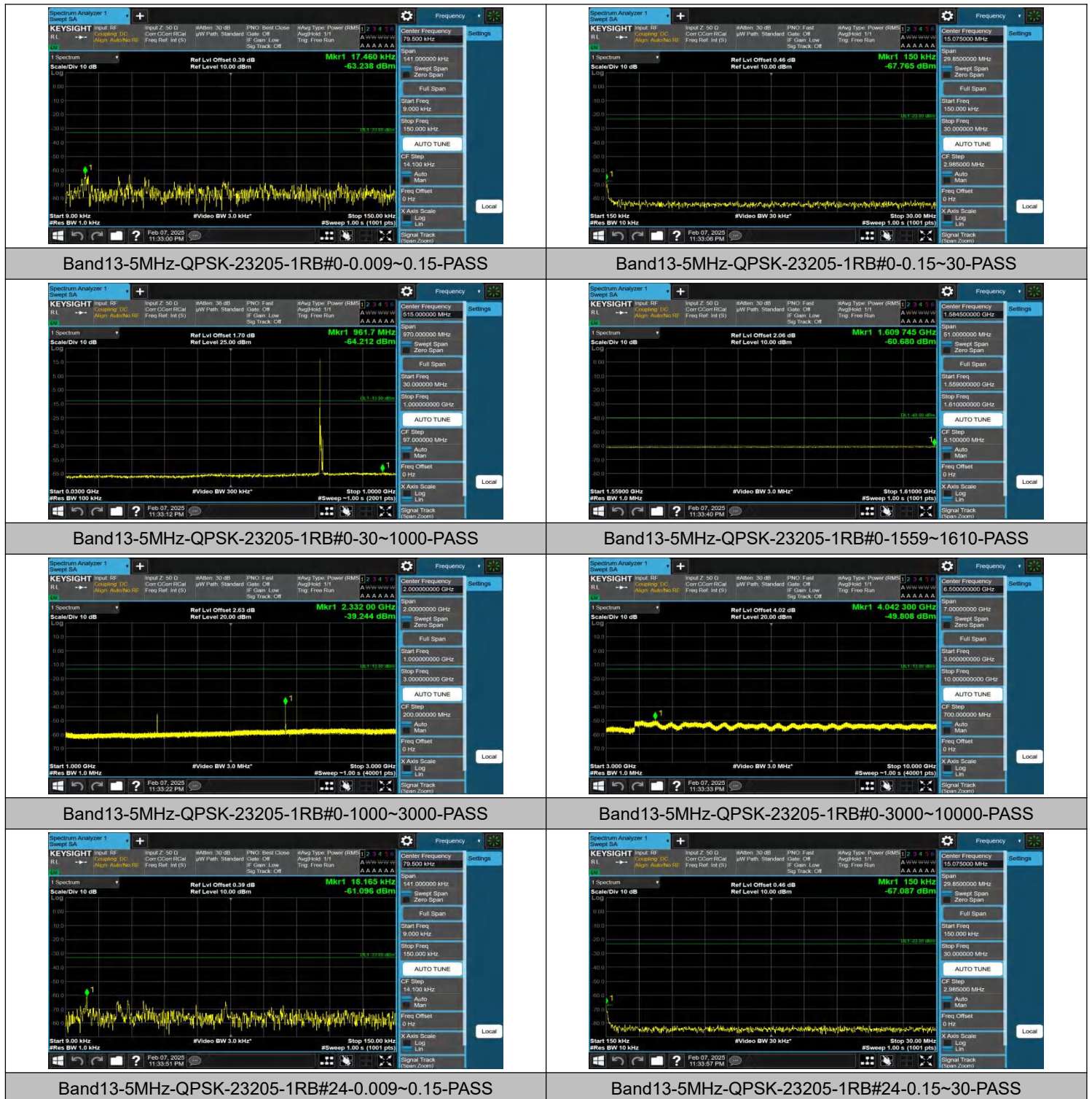
Test Graphs

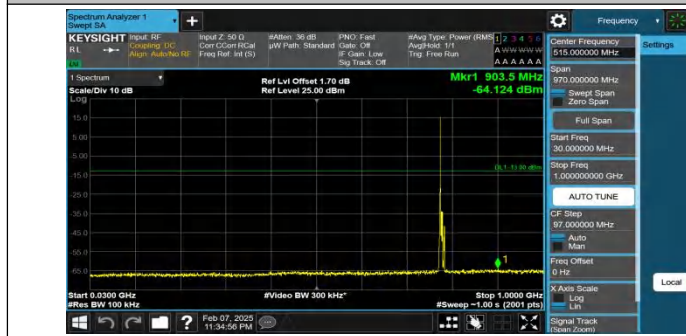
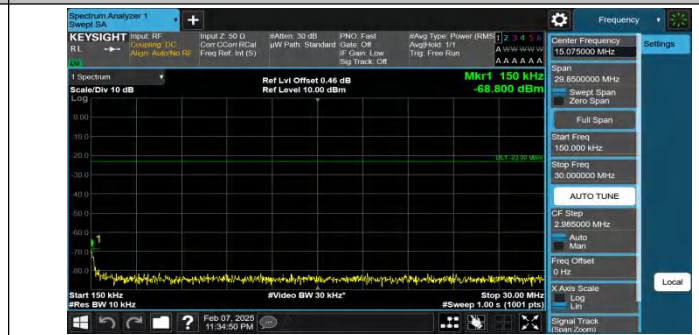
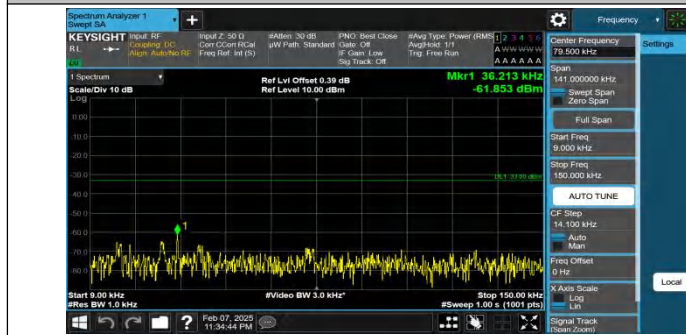
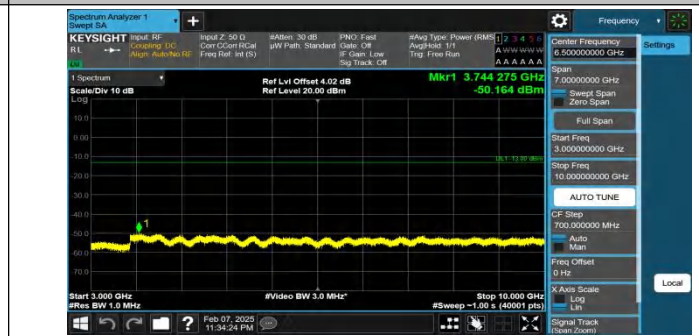
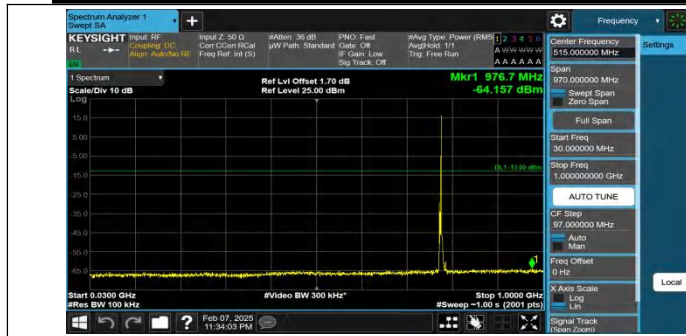


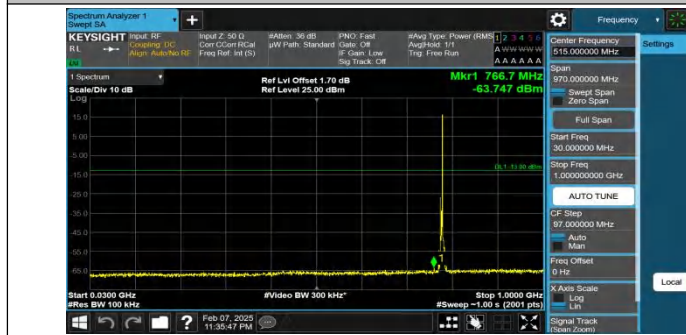
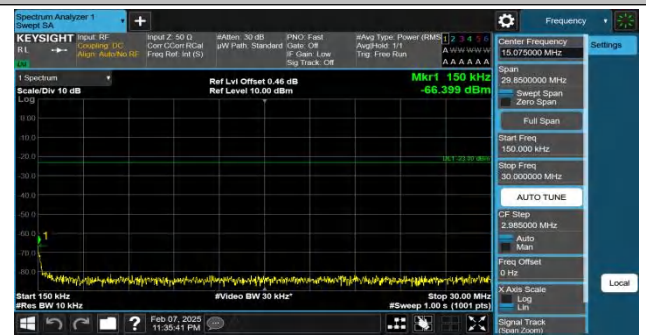
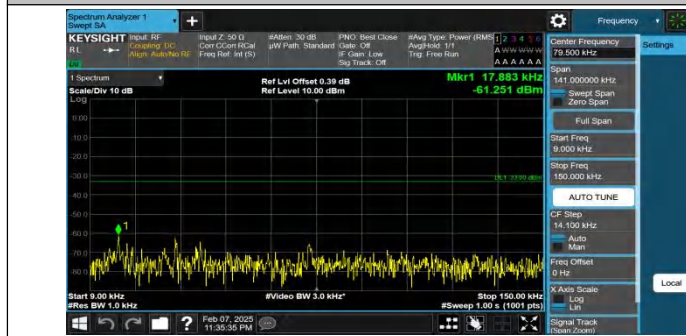


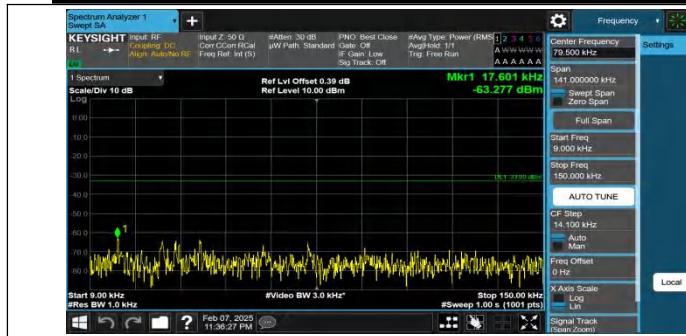
Conducted Spurious Emission

Test Graphs

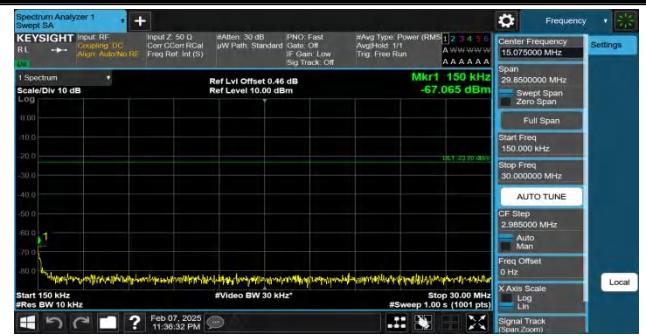




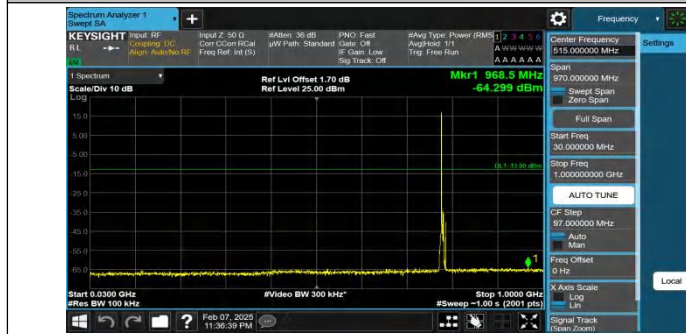




Band13-5MHz-QPSK-23255-1RB#0-0.009~0.15-PASS



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



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



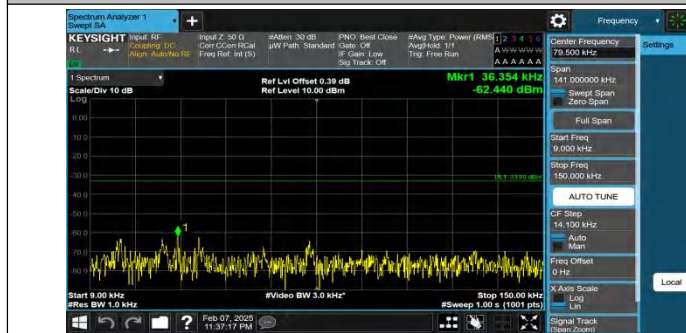
Band13-5MHz-QPSK-23255-1RB#0-1559~1610-PASS



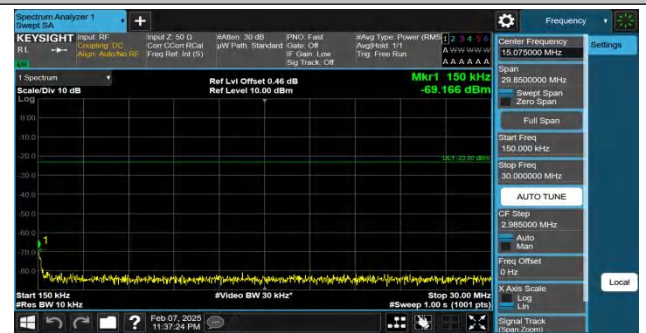
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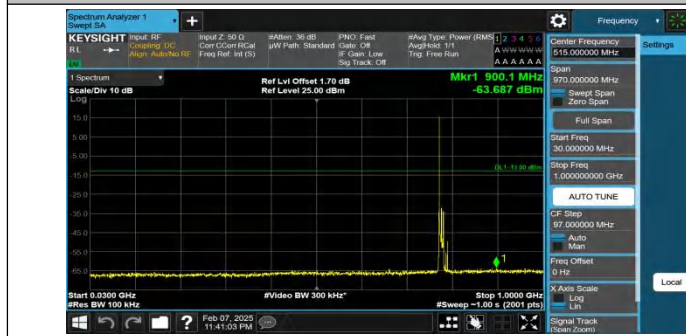
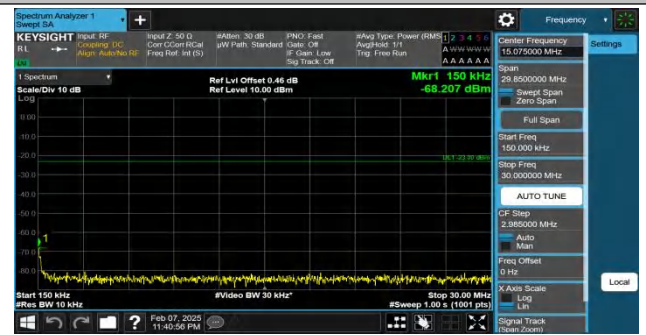
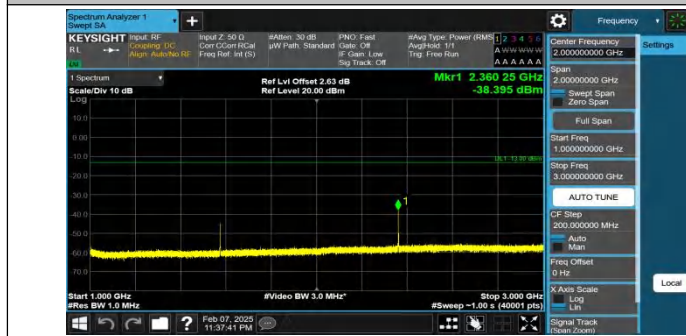
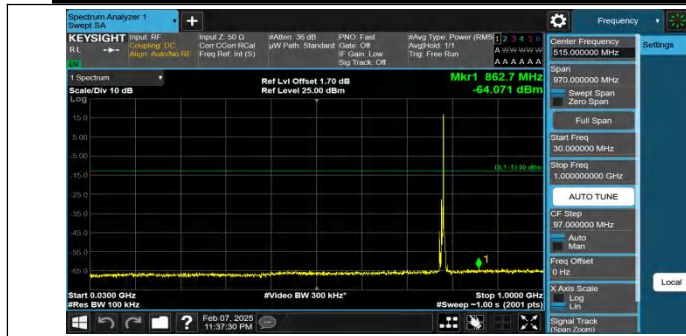
Band13-5MHz-QPSK-23255-1RB#0-3000~10000-PASS

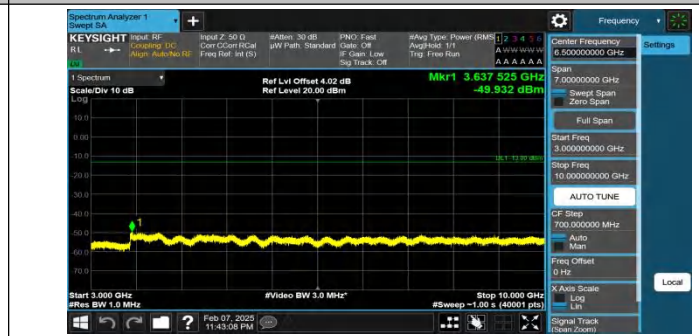
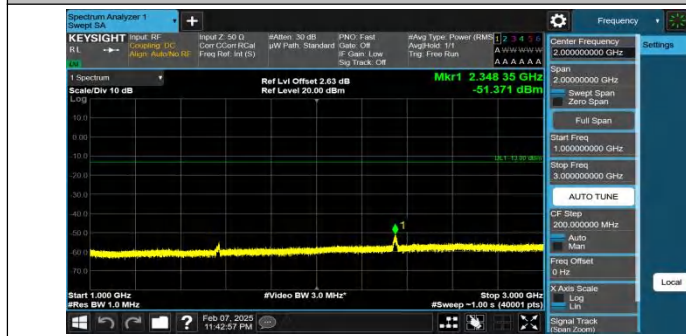
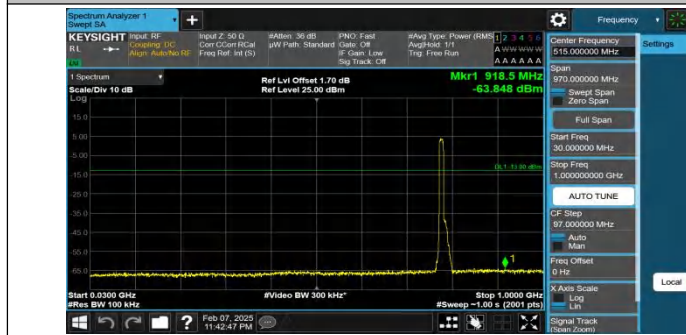
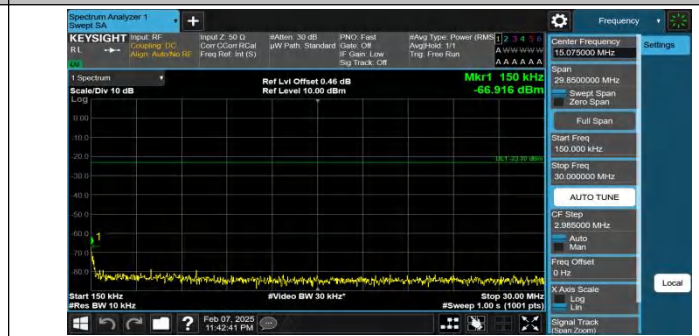
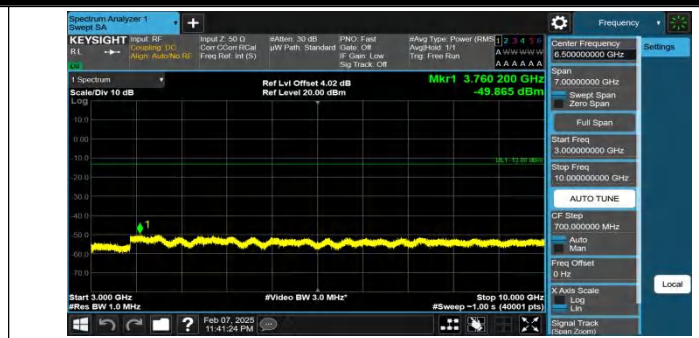


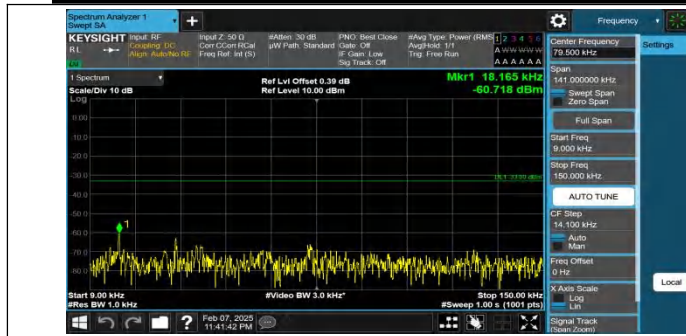
Band13-5MHz-QPSK-23255-1RB#24-0.009~0.15-PASS



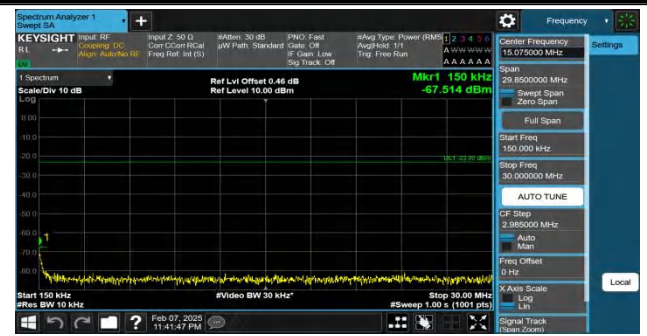
Band13-5MHz-QPSK-23255-1RB#24-0.15~30-PASS







Band13-10MHz-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	12000.00	15.345269	±NA	777.5531	786.4709	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	VL	NT	15870.00	20.294118	±NA	777.56332	786.46842	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	VH	NT	13850.00	17.710997	±NA	777.5608	786.4669	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	14750.00	18.861893	±NA	777.56395	786.46555	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	-20	14670.00	18.759591	±NA	777.56402	786.46532	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	-10	14510.00	18.554987	±NA	777.55976	786.46926	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	0	13870.00	17.736573	±NA	777.56127	786.46647	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	10	12030.00	15.383632	±NA	777.55753	786.46653	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	20	14060.00	17.979540	±NA	777.56251	786.46561	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	30	11690.00	14.948849	±NA	777.55759	786.46579	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	40	13020.00	16.649616	±NA	777.55712	786.46892	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	50	11760.00	15.038363	±NA	777.55896	786.46456	777-787	PASS

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