

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	23.25	4.45	25.55	34.8	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.79	4.45	25.09	34.8	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.64	4.45	25.94	34.8	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.81	4.45	26.11	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.44	4.45	25.74	34.8	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.6	4.45	24.9	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.54	4.45	25.84	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.63	4.45	25.93	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.67	4.45	25.97	34.8	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.76	4.45	25.06	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.76	4.45	26.06	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.7	4.45	26	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.49	4.45	24.79	34.8	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.79	4.45	24.09	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.86	4.45	25.16	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#24	23.04	4.45	25.34	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.51	4.45	24.81	34.8	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.63	4.45	23.93	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.58	4.45	24.88	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.69	4.45	24.99	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.48	4.45	24.78	34.8	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.78	4.45	24.08	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.53	4.45	24.83	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.45	4.45	24.75	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.25	4.45	25.55	34.8	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.73	4.45	25.03	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.57	4.45	25.87	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.6	4.45	25.9	34.8	PASS
Band13	10MHz	16QAM	23230	27RB#0	21.55	4.45	23.85	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.48	4.45	24.78	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.83	4.45	25.13	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.9	4.45	25.2	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	5.50	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	6.10	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.49	13	PASS
Band13	10MHz	16QAM	23230	27RB#0	6.21	13	PASS

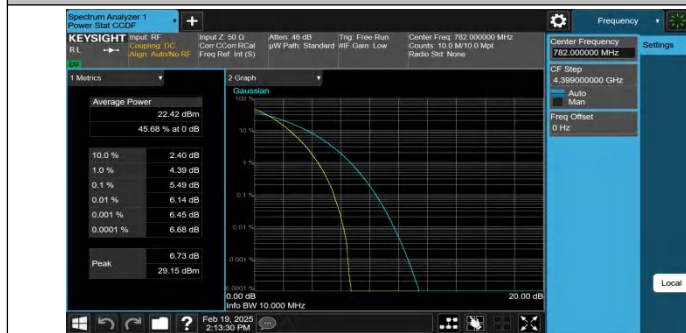
Test Graphs



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



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



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



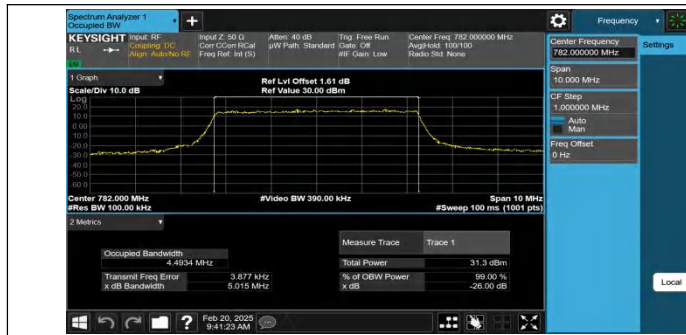
Band13-10MHz-16QAM-23230-27RB#0-PASS

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	4.4934	5.015	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5010	5.033	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9695	10.12	PASS
Band13	10MHz	16QAM	23230	27RB#0	5.0302	6.262	PASS

Test Graphs



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



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



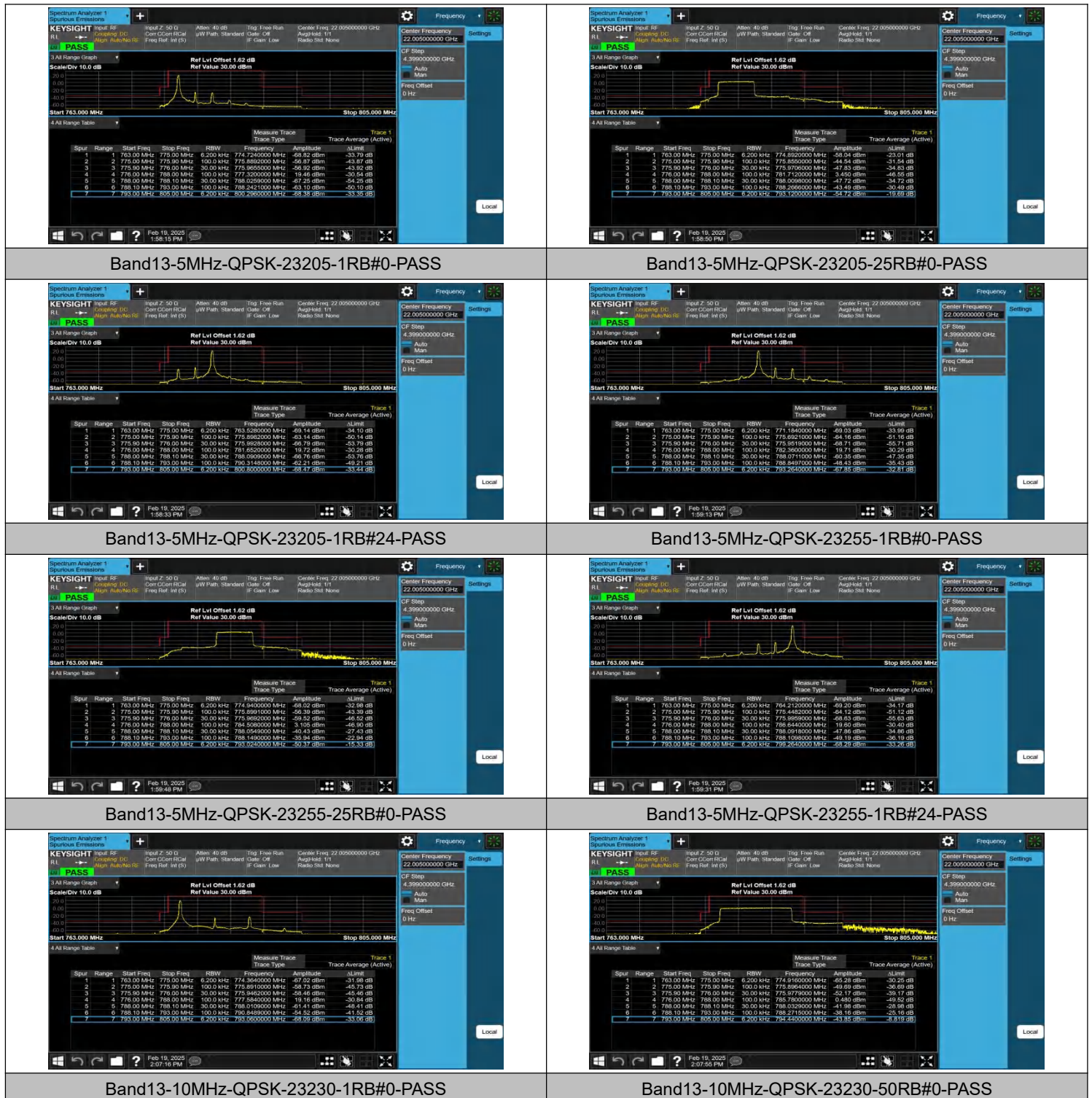
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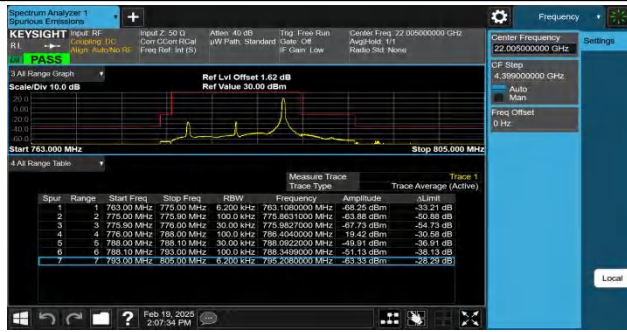


Band13-10MHz-16QAM-23230-27RB#0-PASS

Band Edge

Test Graphs

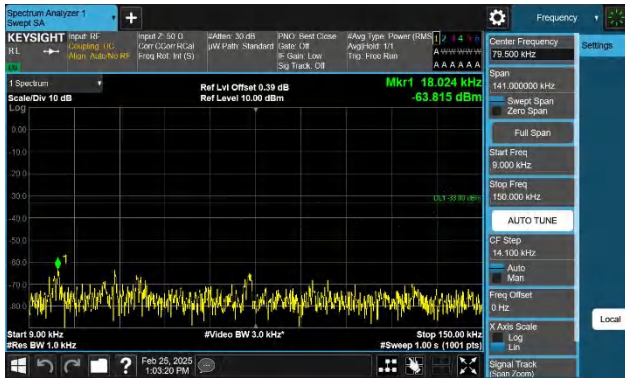




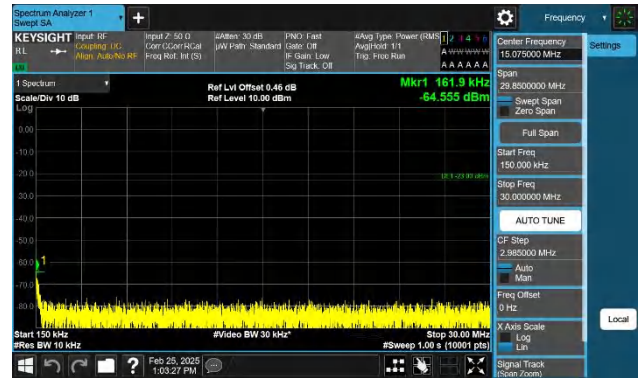
Band13-10MHz-QPSK-23230-1RB#49-PASS

Conducted Spurious Emission

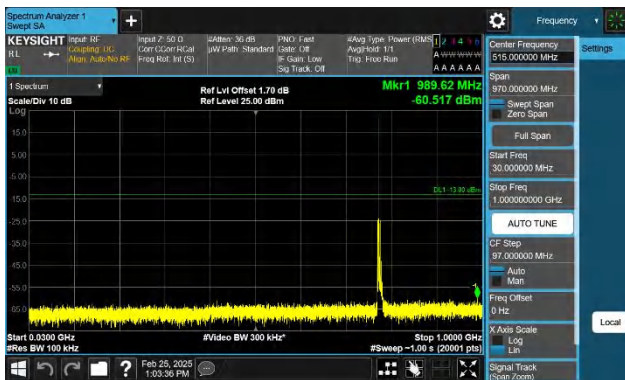
Test Graphs



Band13-5MHz-QPSK-23205-1RB#0-0.009~0.15-PASS



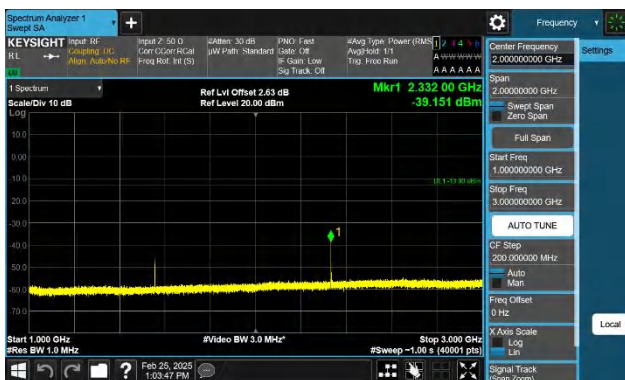
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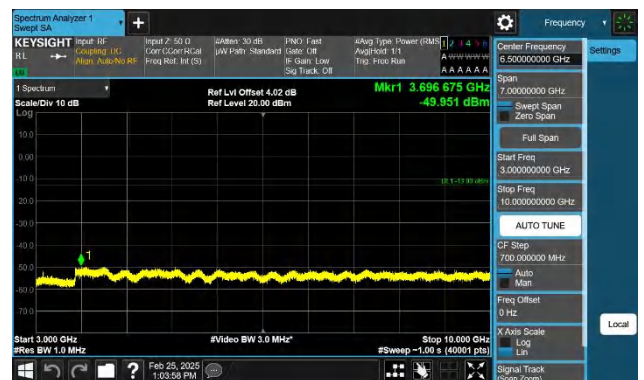
Band13-5MHz-QPSK-23205-1RB#0-30~1000-PASS



Band13-5MHz-QPSK-23205-1RB#0-1559~1610-PASS



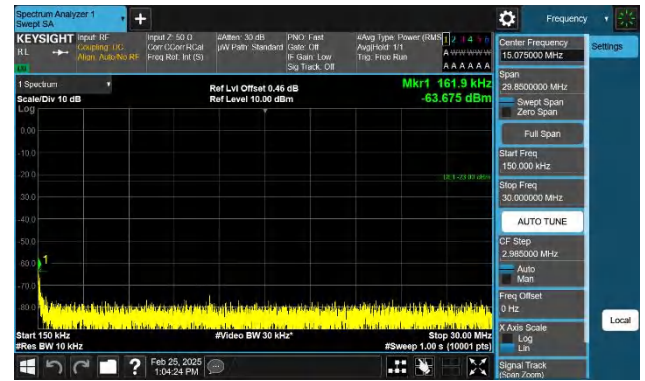
Band13-5MHz-QPSK-23205-1RB#0-1000~3000-PASS



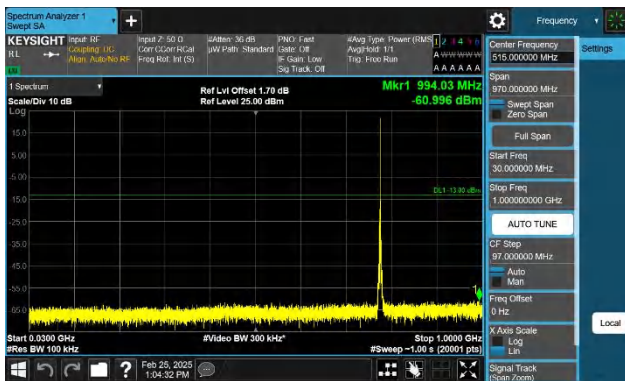
Band13-5MHz-QPSK-23205-1RB#0-3000~10000-PASS



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



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



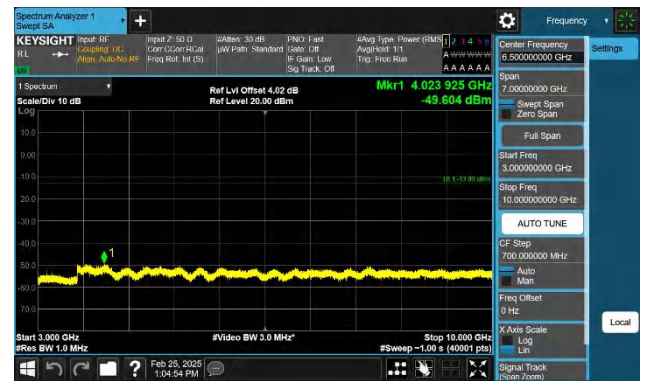
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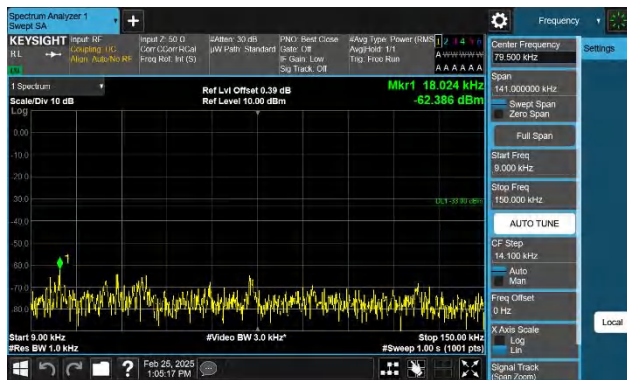
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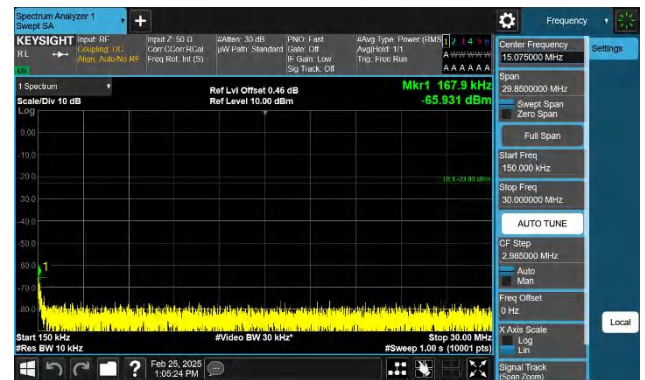
Band13-5MHz-QPSK-23205-1RB#24-1000~3000-PASS



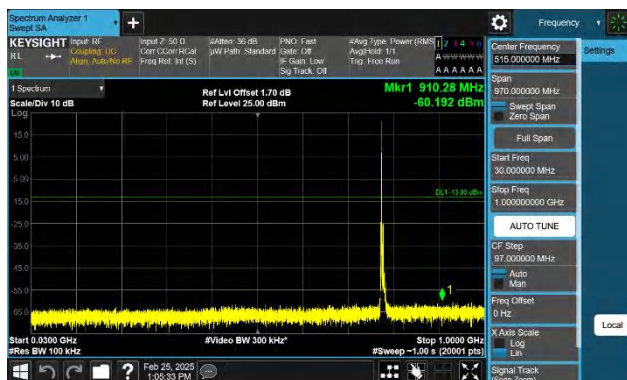
Band13-5MHz-QPSK-23205-1RB#24-3000~10000-PASS



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



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



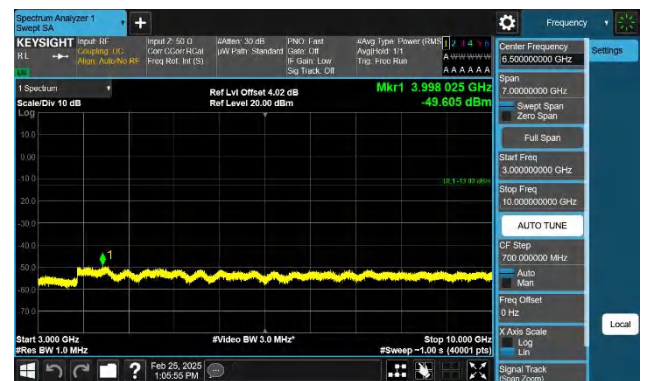
Band13-5MHz-QPSK-23230-1RB#0-30~1000-PASS



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



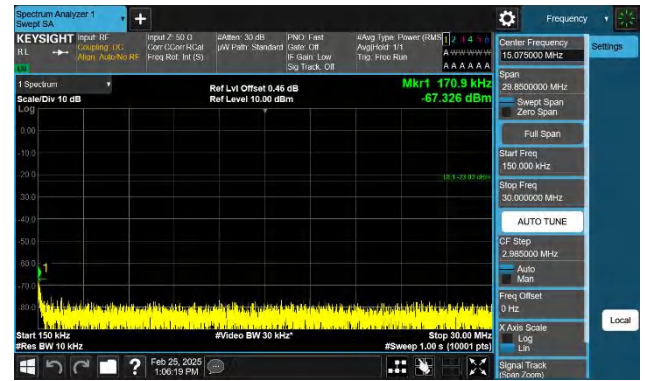
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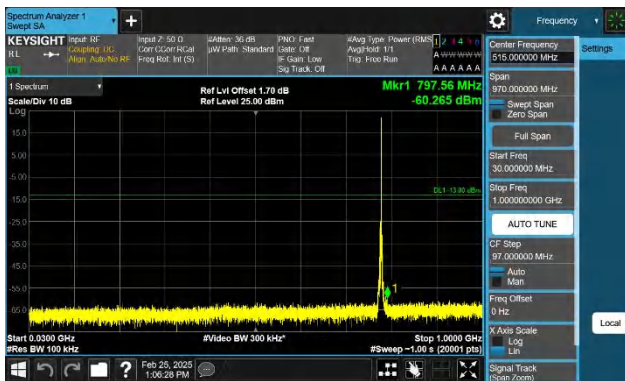
Band13-5MHz-QPSK-23230-1RB#0-3000~10000-PASS



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



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



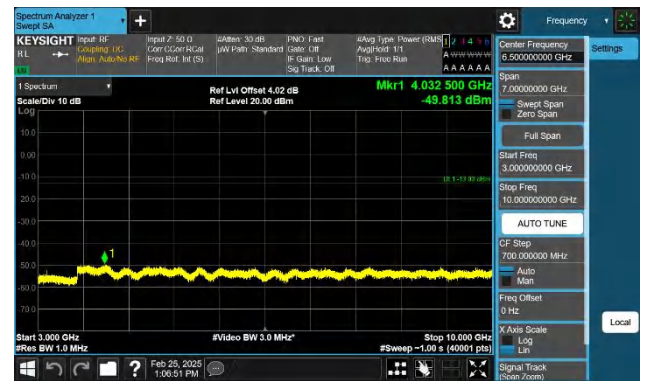
Band13-5MHz-QPSK-23230-1RB#24-30~1000-PASS



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



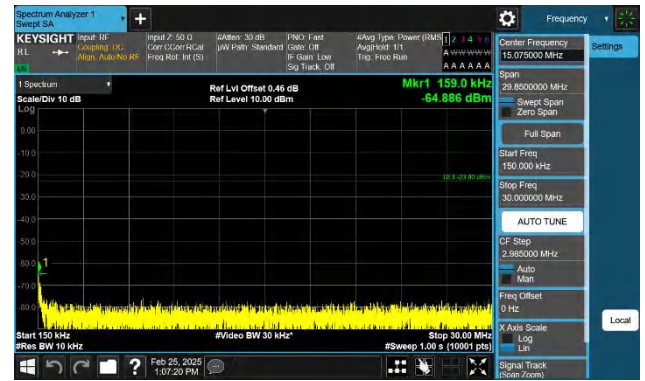
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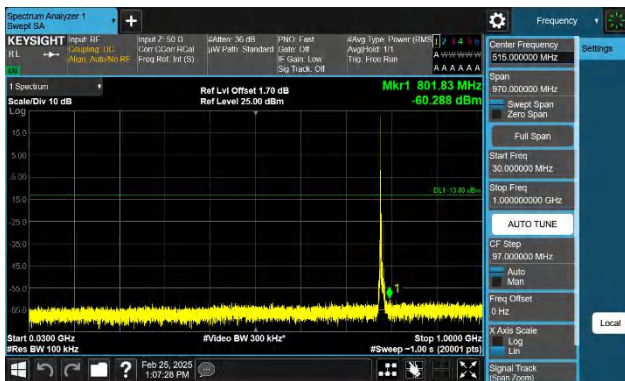
Band13-5MHz-QPSK-23230-1RB#24-3000~10000-PASS



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



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



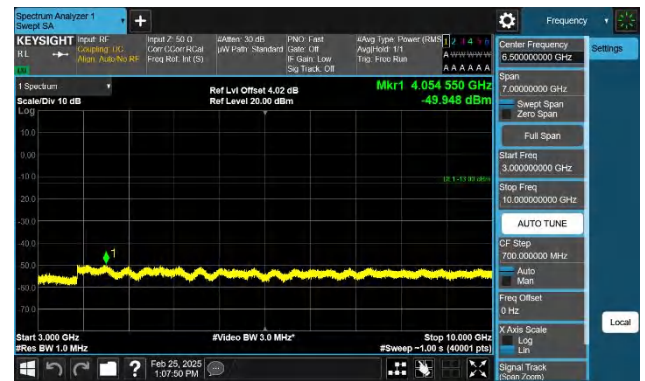
Band13-5MHz-QPSK-23255-1RB#0-30~1000-PASS



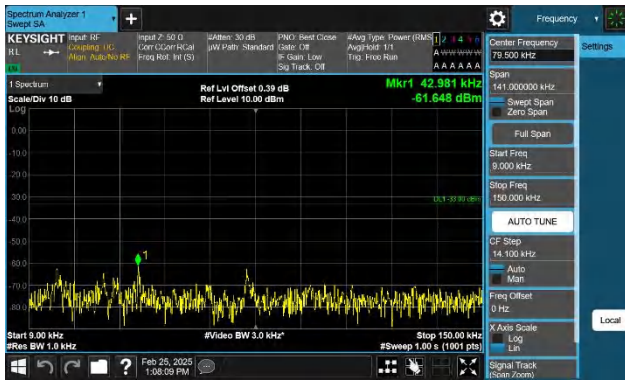
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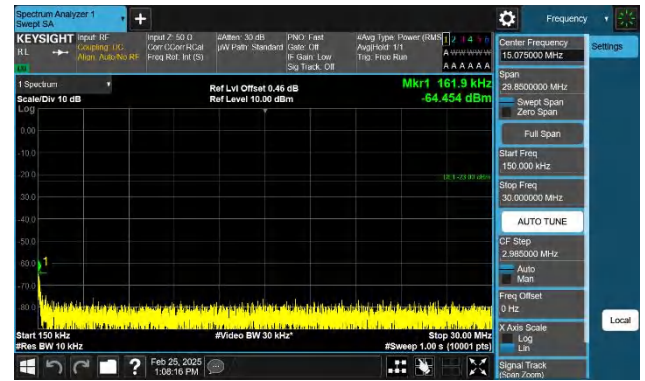
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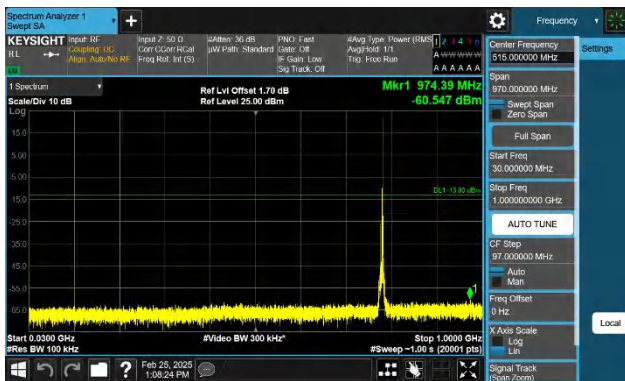
Band13-5MHz-QPSK-23255-1RB#0-3000~10000-PASS



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



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



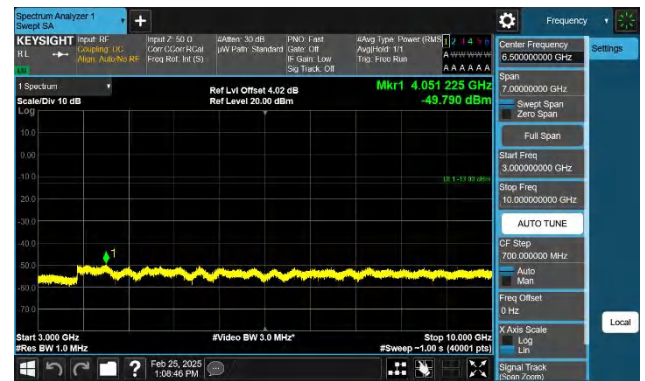
Band13-5MHz-QPSK-23255-1RB#24-30~1000-PASS



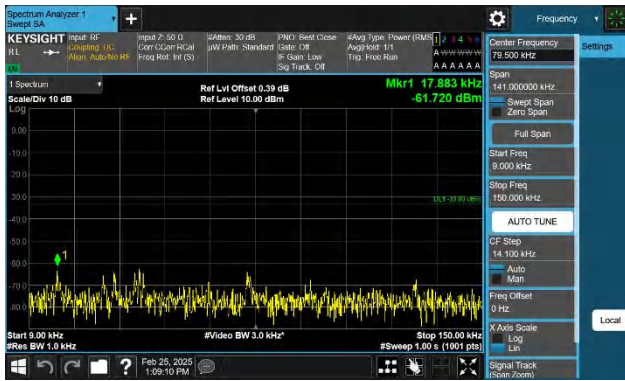
Band13-5MHz-QPSK-23255-1RB#24-1559~1610-PASS



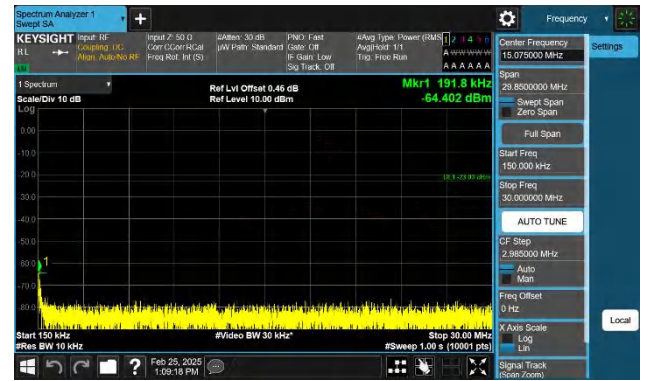
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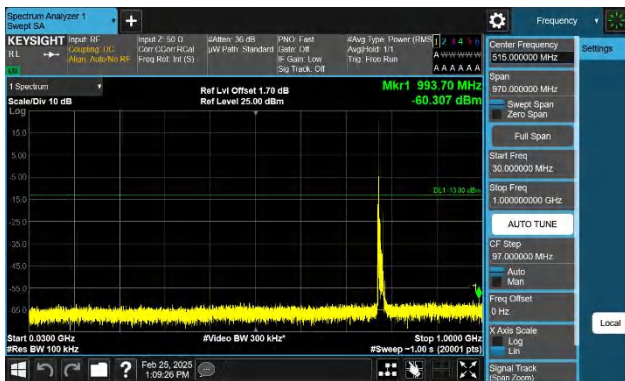
Band13-5MHz-QPSK-23255-1RB#24-3000~10000-PASS



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



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



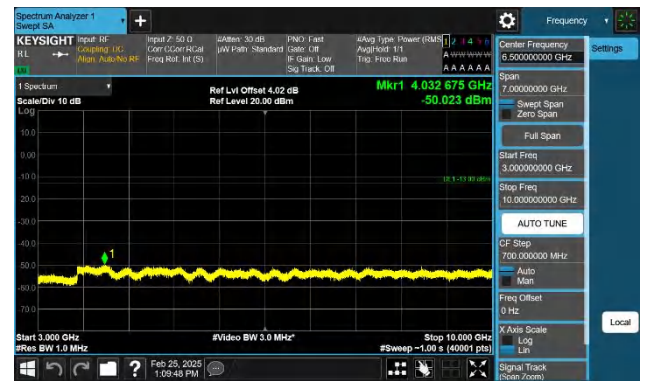
Band13-10MHz-QPSK-23230-1RB#0-30~1000-PASS



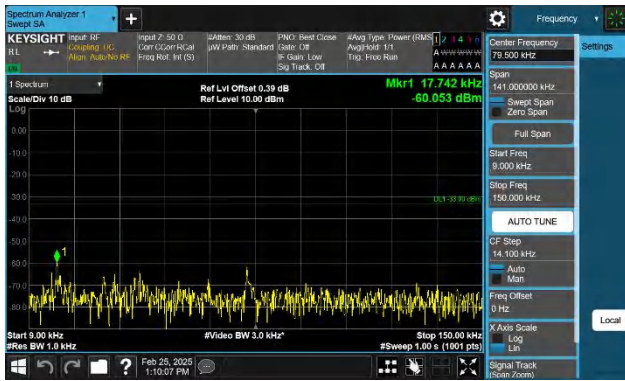
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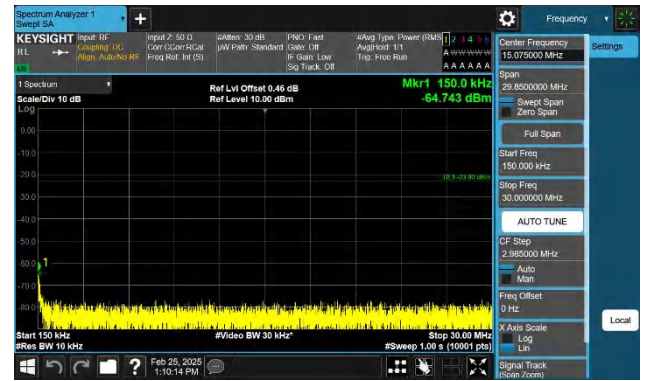
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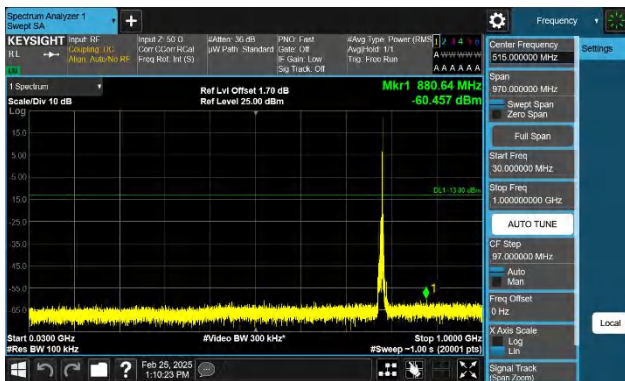
Band13-10MHz-QPSK-23230-1RB#0-3000~10000-PASS



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



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



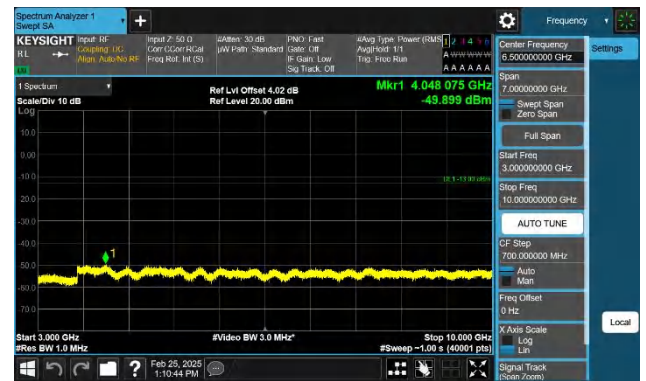
Band13-10MHz-QPSK-23230-1RB#49-30~1000-PASS



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	8500.00	10.869565	±NA	777.55655	786.46045	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	VL	NT	9770.00	12.493606	±NA	777.55392	786.46562	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	VH	NT	8530.00	10.907928	±NA	777.55648	786.46058	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	7680.00	9.820972	±NA	777.55323	786.46213	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	-20	9410.00	12.033248	±NA	777.55546	786.46336	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	-10	5360.00	6.854220	±NA	777.55041	786.46031	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	0	7280.00	9.309463	±NA	777.55593	786.45863	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	10	7900.00	10.102302	±NA	777.55255	786.46325	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	20	7370.00	9.424552	±NA	777.55367	786.46107	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	30	9210.00	11.777494	±NA	777.55536	786.46306	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	40	9900.00	12.659847	±NA	777.55485	786.46495	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	50	6540.00	8.363171	±NA	777.55419	786.45889	777-787	PASS

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