Effective (Isotropic) Radiated Power Output Data

Test Result

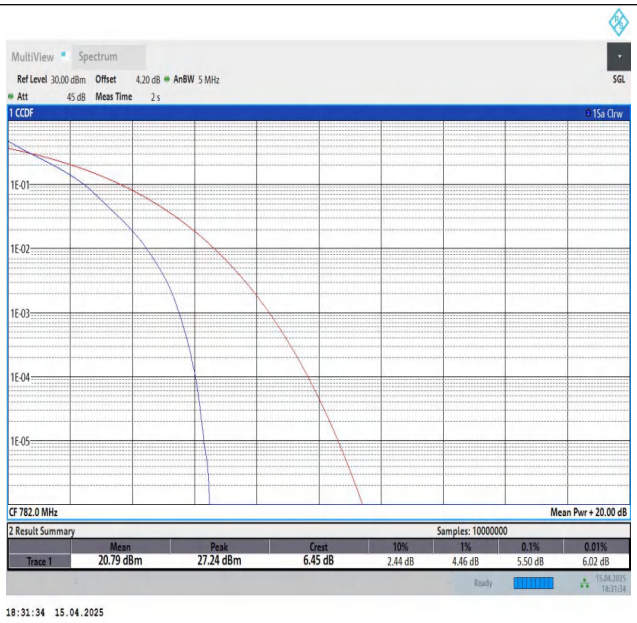
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Gain (dBi)	E(I)RP (dBm)	Limit (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	22.49	4.45	24.79	34.8	PASS
Band13	5MHz	QPSK	23205	1RB#12	22.43	4.45	24.73	34.8	PASS
Band13	5MHz	QPSK	23205	1RB#24	22.55	4.45	24.85	34.8	PASS
Band13	5MHz	QPSK	23205	25RB#0	21.57	4.45	23.87	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#0	22.54	4.45	24.84	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#12	22.49	4.45	24.79	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#24	22.55	4.45	24.85	34.8	PASS
Band13	5MHz	QPSK	23230	25RB#0	21.54	4.45	23.84	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#0	22.62	4.45	24.92	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#12	22.52	4.45	24.82	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#24	22.51	4.45	24.81	34.8	PASS
Band13	5MHz	QPSK	23255	25RB#0	21.52	4.45	23.82	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#0	21.49	4.45	23.79	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#12	21.54	4.45	23.84	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#24	21.59	4.45	23.89	34.8	PASS
Band13	5MHz	16QAM	23205	25RB#0	20.54	4.45	22.84	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#0	21.38	4.45	23.68	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#12	21.53	4.45	23.83	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#24	21.41	4.45	23.71	34.8	PASS
Band13	5MHz	16QAM	23230	25RB#0	20.6	4.45	22.9	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#0	21.52	4.45	23.82	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#12	21.37	4.45	23.67	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#24	21.45	4.45	23.75	34.8	PASS
Band13	5MHz	16QAM	23255	25RB#0	20.53	4.45	22.83	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#0	22.4	4.45	24.7	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#24	22.52	4.45	24.82	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#49	22.45	4.45	24.75	34.8	PASS
Band13	10MHz	QPSK	23230	50RB#0	21.54	4.45	23.84	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#0	21.43	4.45	23.73	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#24	21.48	4.45	23.78	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#49	21.47	4.45	23.77	34.8	PASS
Band13	10MHz	16QAM	23230	50RB#0	20.54	4.45	22.84	34.8	PASS

Peak-to-Average Ratio(CCDF)

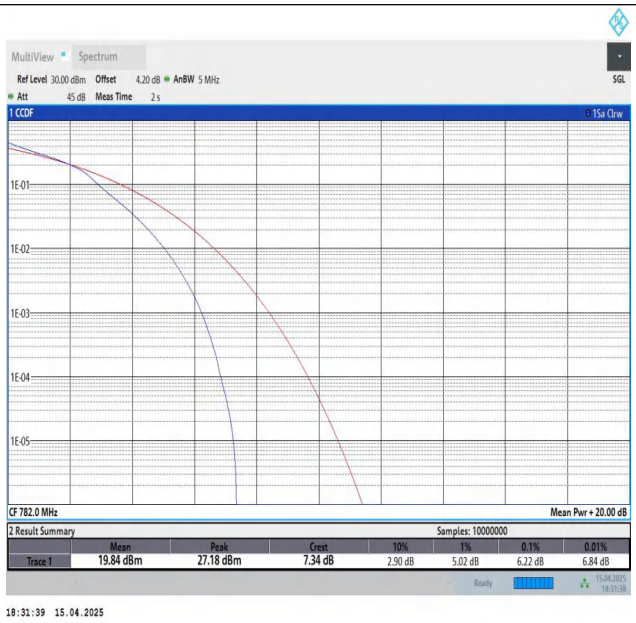
Test Result

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	6.22	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.44	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.22	13	PASS

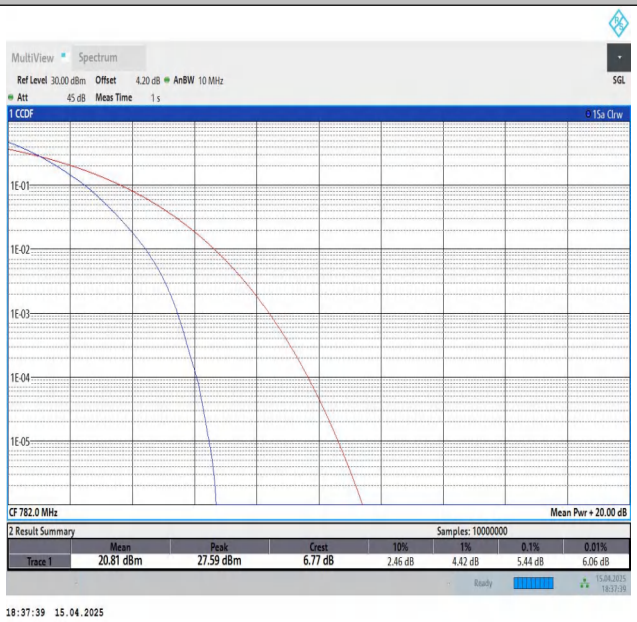
Test Graphs



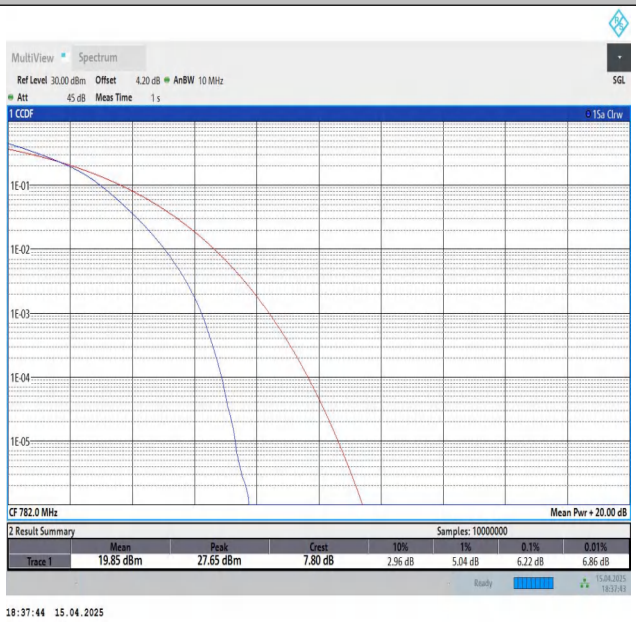
Band13-5MHz-QPSK-23230-25RB#0-PASS



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



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



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

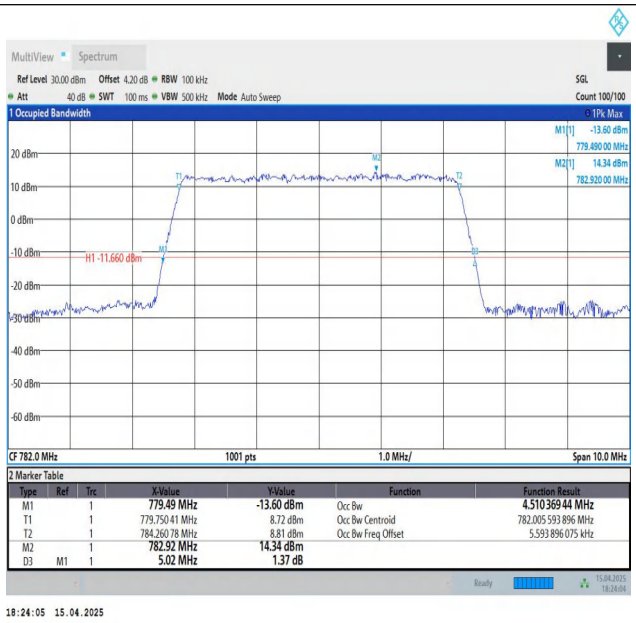
26dB Bandwidth and Occupied Bandwidth

Test Result

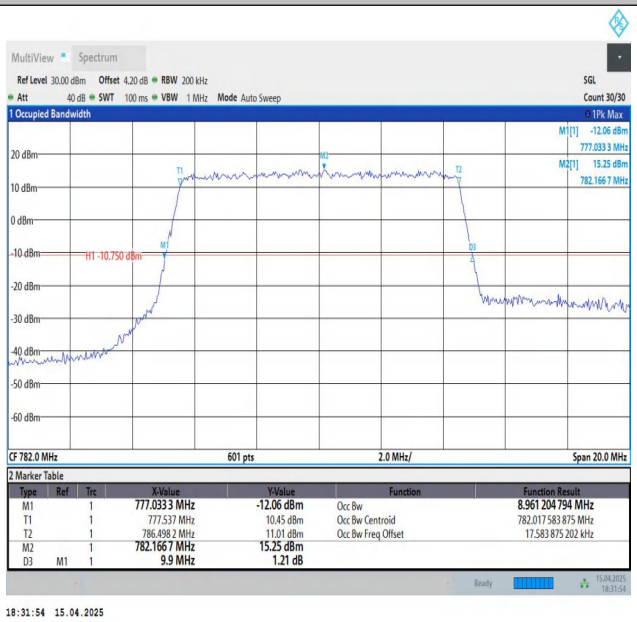
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23230	25RB#0	4.5	5.00	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.51	5.02	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.961	9.90	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.967	9.83	PASS

Test Graphs

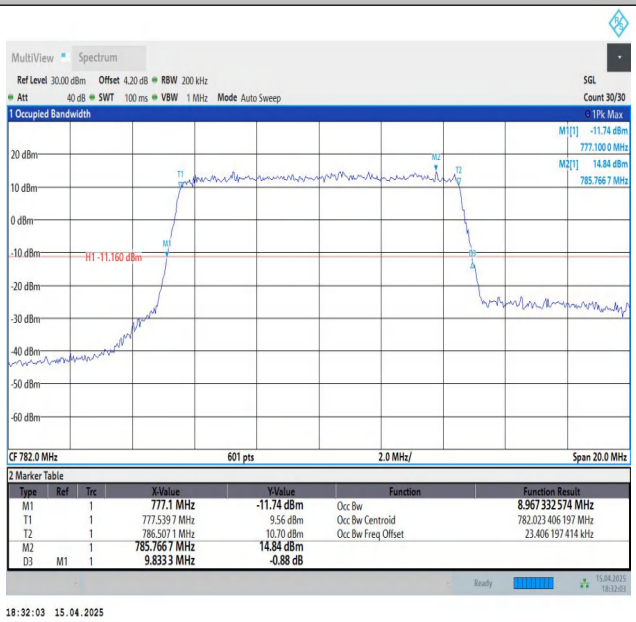
Band13-5MHz-QPSK-23230-25RB#0-PASS



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



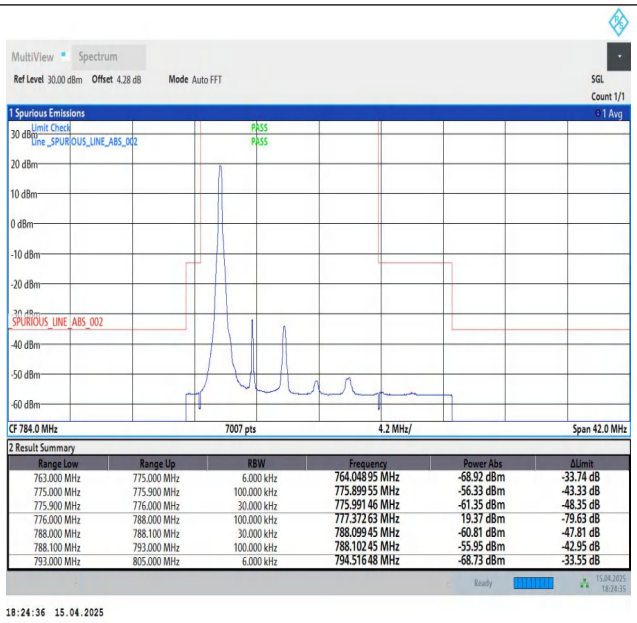
Band13-10MHz-QPSK-23230-50RB#0-PASS



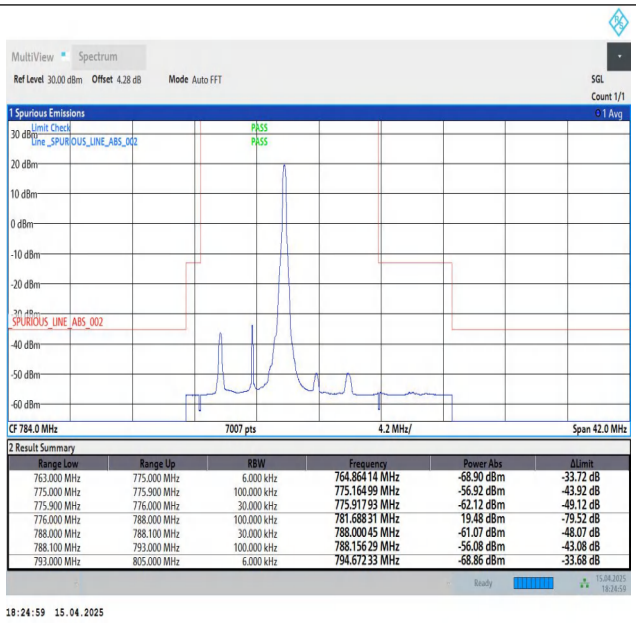
Band13-10MHz-16QAM-23230-50RB#0-PASS

Band Edge

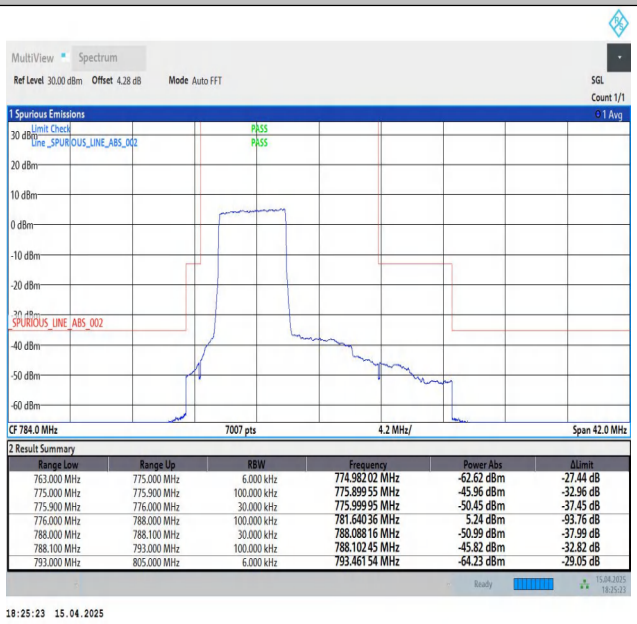
Test Graphs



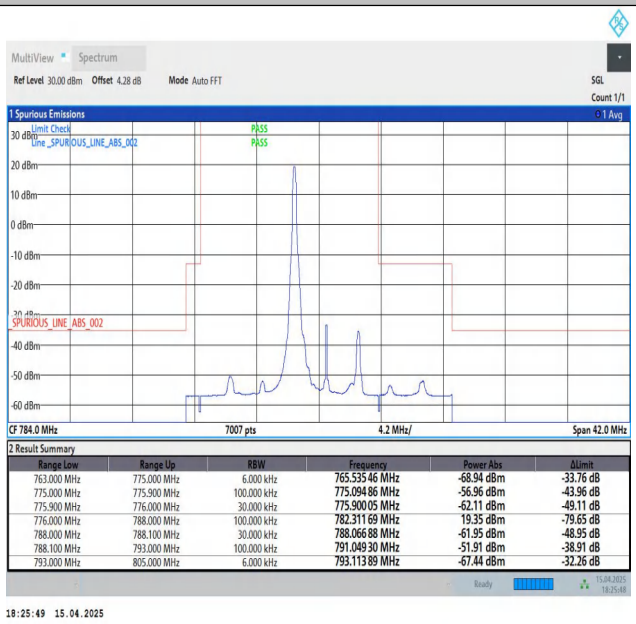
Band13-5MHz-QPSK-23205-1RB#0-PASS



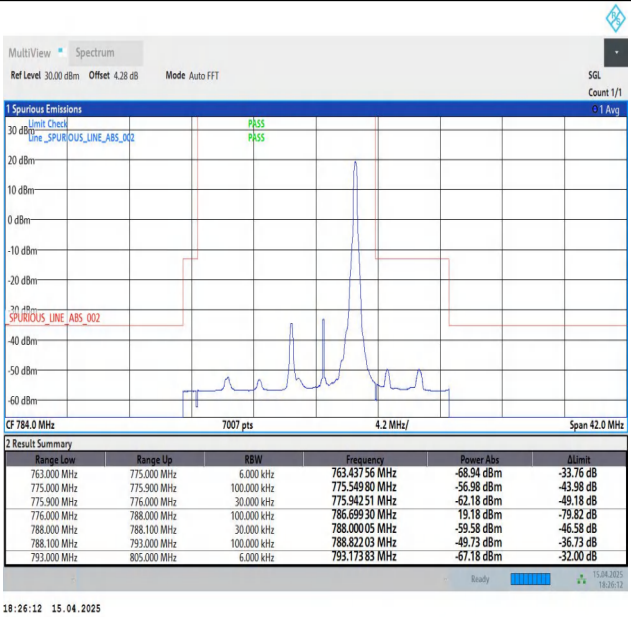
Band13-5MHz-QPSK-23205-1RB#24-PASS



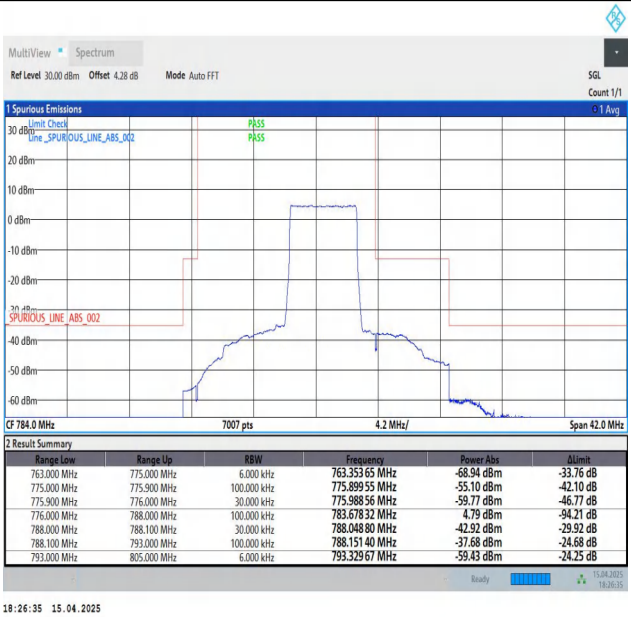
Band13-5MHz-QPSK-23205-25RB#0-PASS



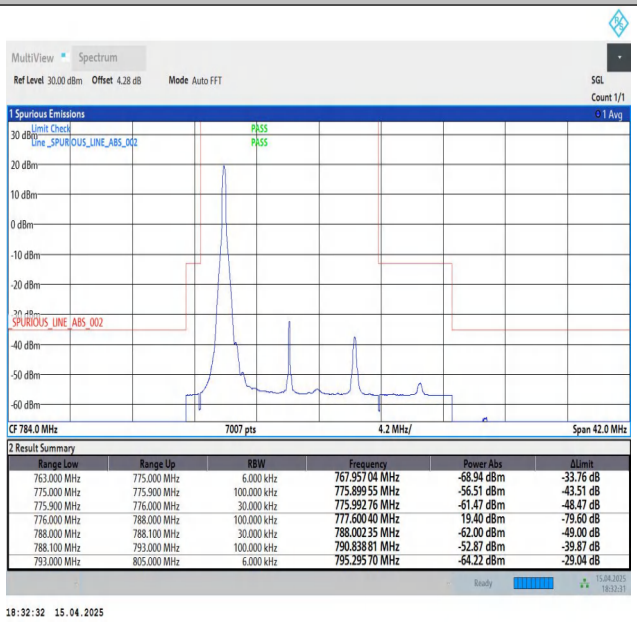
Band13-5MHz-QPSK-23255-1RB#0-PASS



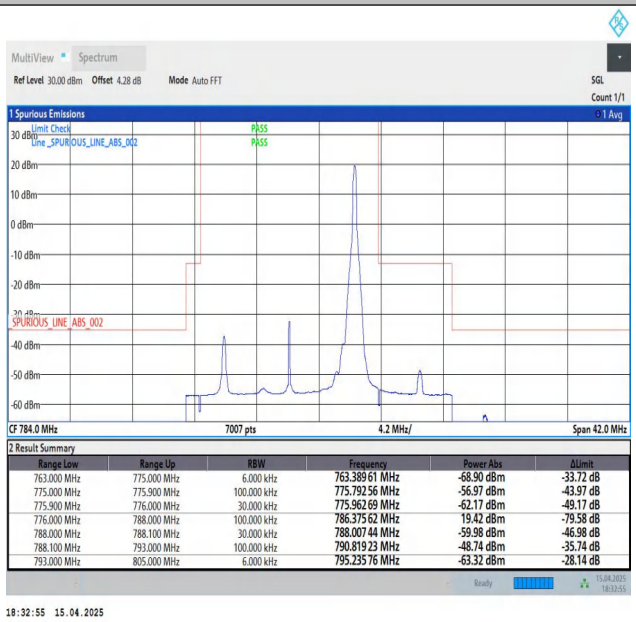
Band13-5MHz-QPSK-23255-1RB#24-PASS



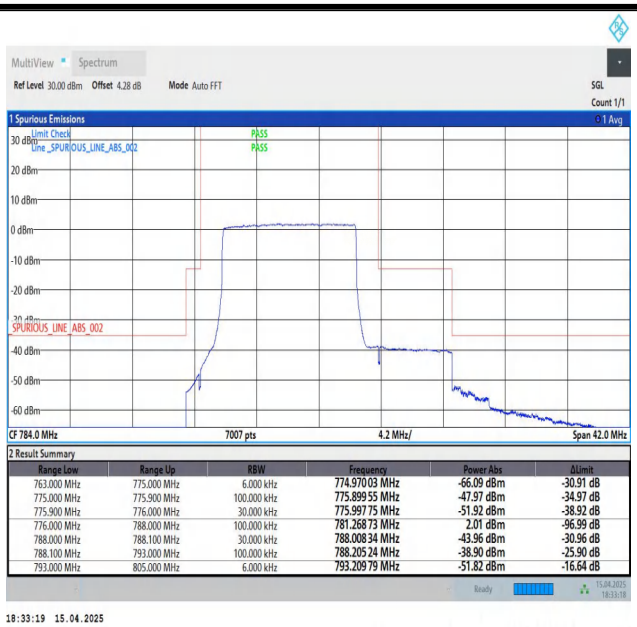
Band13-5MHz-QPSK-23255-25RB#0-PASS



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



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

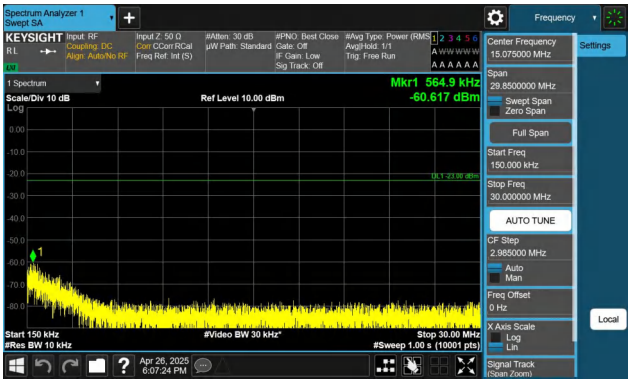


Band13-10MHz-QPSK-23230-50RB#0-PASS

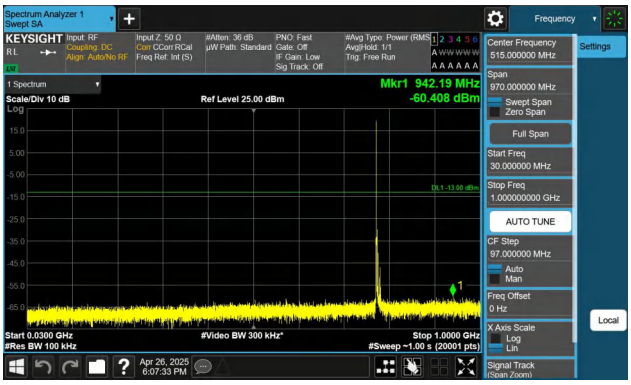
Conducted Spurious Emission

Test Graphs

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



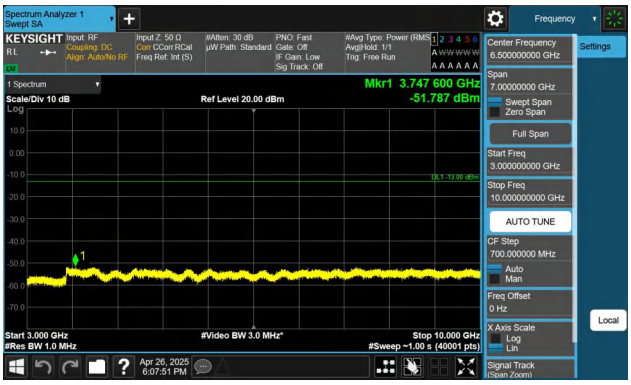
Band13-5MHz-QPSK-23205-1RB#0-0.15~30-PASS



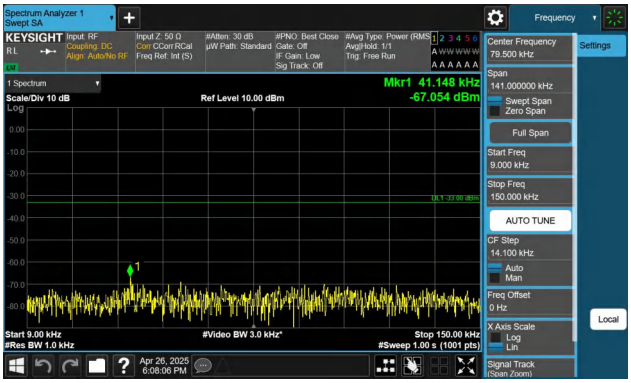
Band13-5MHz-QPSK-23205-1RB#0-30~1000-PASS

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

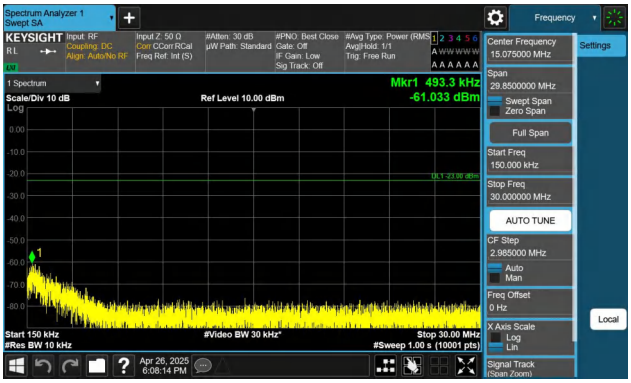
Band13-5MHz-QPSK-23205-1RB#0-1559~1610-PASS



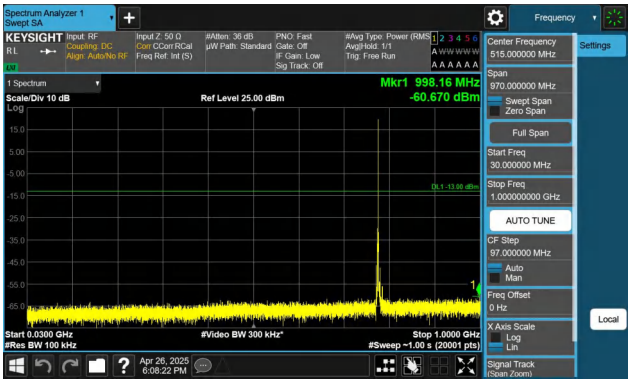
Band13-5MHz-QPSK-23205-1RB#0-3000~10000-PASS



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



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

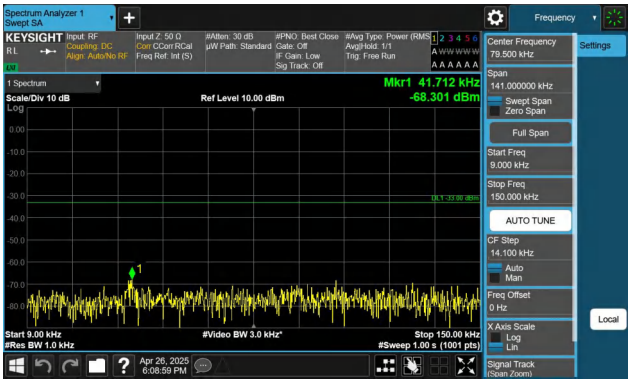


Band13-5MHz-QPSK-23205-1RB#24-30~1000-PASS

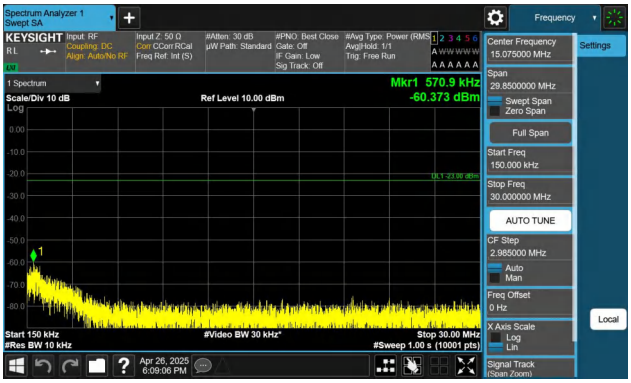
Band13-5MHz-QPSK-23205-1RB#24-1000~3000-PASS

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

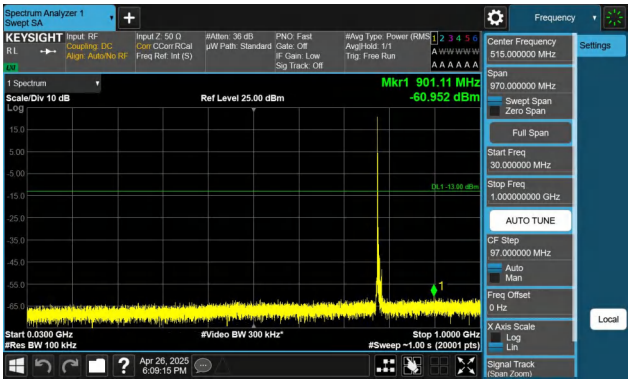
Band13-5MHz-QPSK-23205-1RB#24-3000~10000-PASS



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



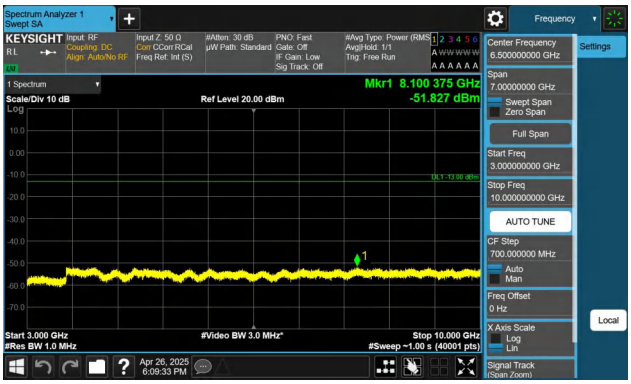
Band13-5MHz-QPSK-23230-1RB#0-0.15~30-PASS



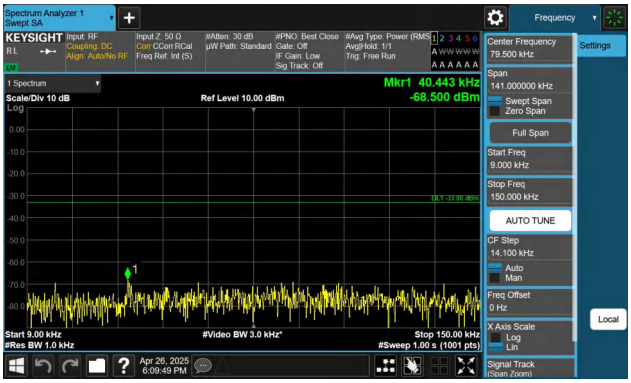
Band13-5MHz-QPSK-23230-1RB#0-30~1000-PASS

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

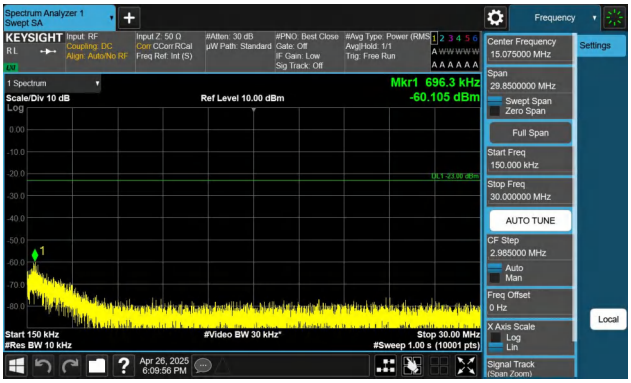
Band13-5MHz-QPSK-23230-1RB#0-1559~1610-PASS



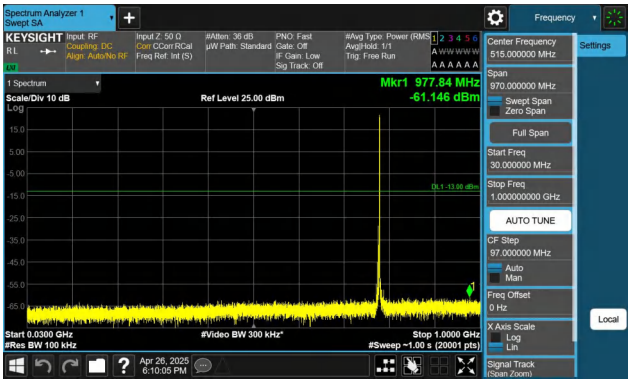
Band13-5MHz-QPSK-23230-1RB#0-3000~10000-PASS



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



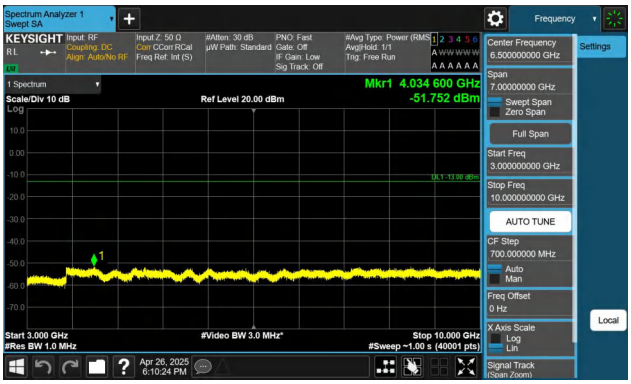
Band13-5MHz-QPSK-23230-1RB#24-0.15~30-PASS



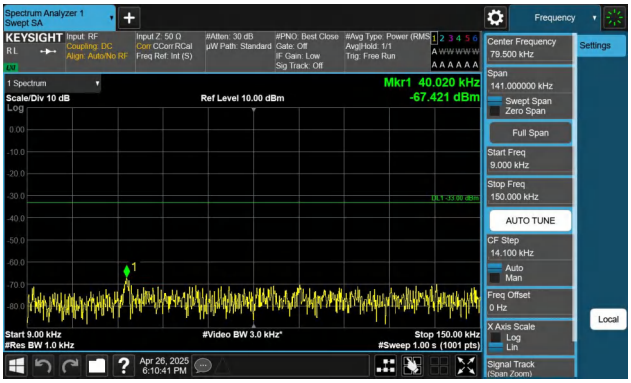
Band13-5MHz-QPSK-23230-1RB#24-30~1000-PASS

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

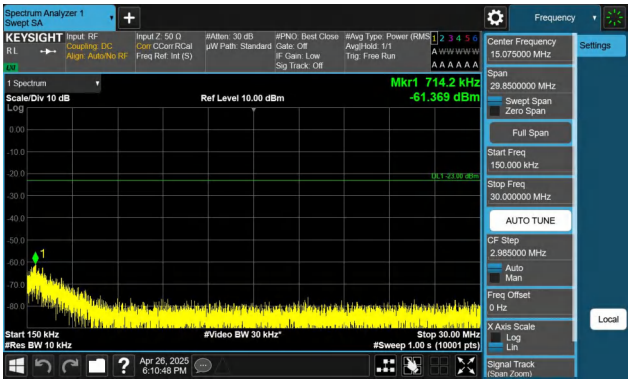
Band13-5MHz-QPSK-23230-1RB#24-1559~1610-PASS



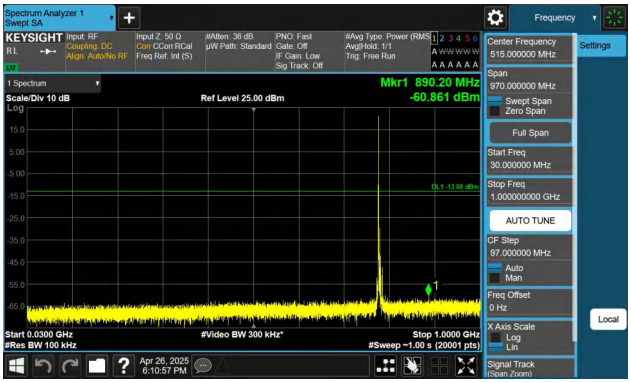
Band13-5MHz-QPSK-23230-1RB#24-3000~10000-PASS



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



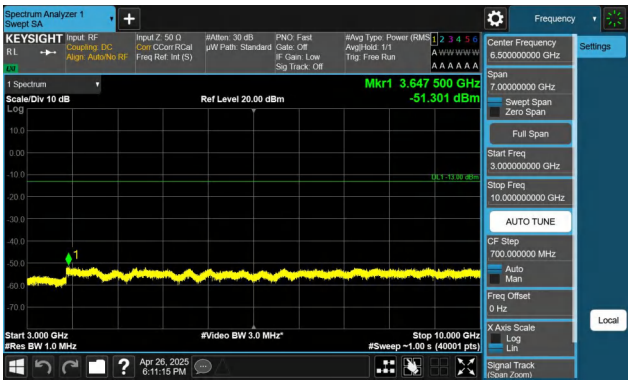
Band13-5MHz-QPSK-23255-1RB#0-0.15~30-PASS



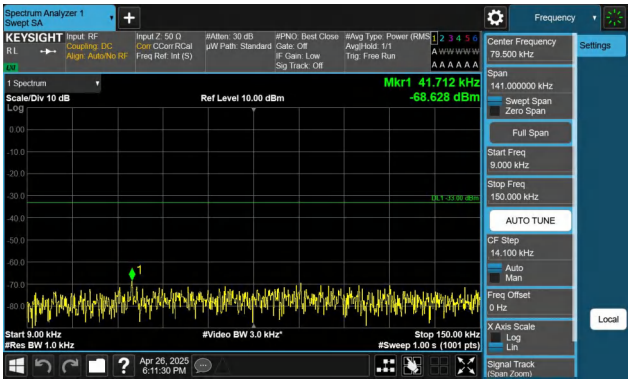
Band13-5MHz-QPSK-23255-1RB#0-30~1000-PASS

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

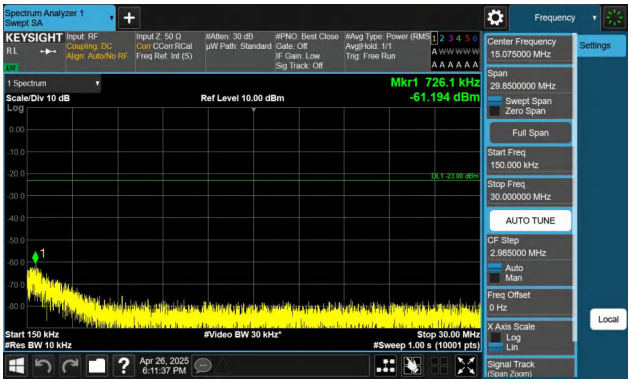
Band13-5MHz-QPSK-23255-1RB#0-1559~1610-PASS



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



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

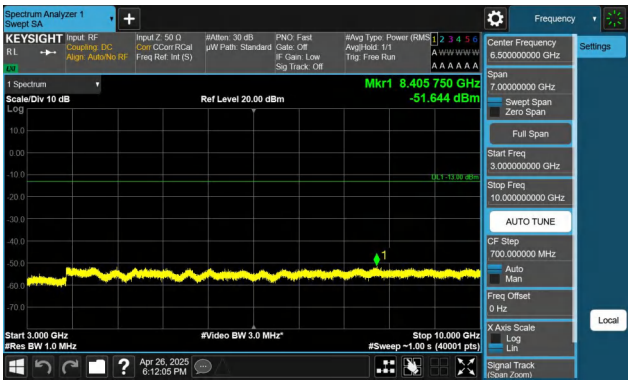


Band13-5MHz-QPSK-23255-1RB#24-0.15~30-PASS

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

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

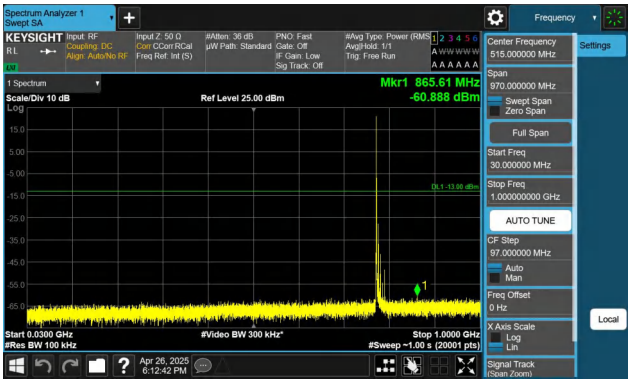
Band13-5MHz-QPSK-23255-1RB#24-1559~1610-PASS



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

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

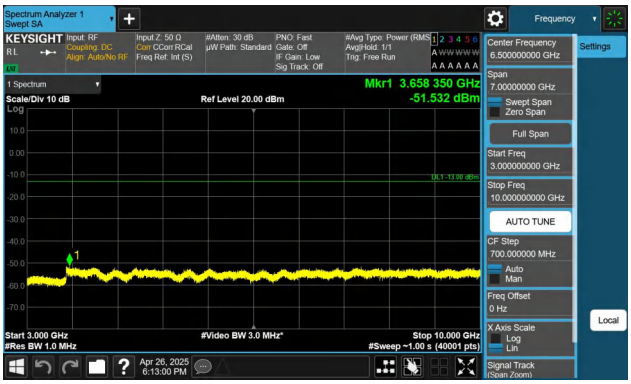
Band13-10MHz-QPSK-23230-1RB#0-0.15~30-PASS



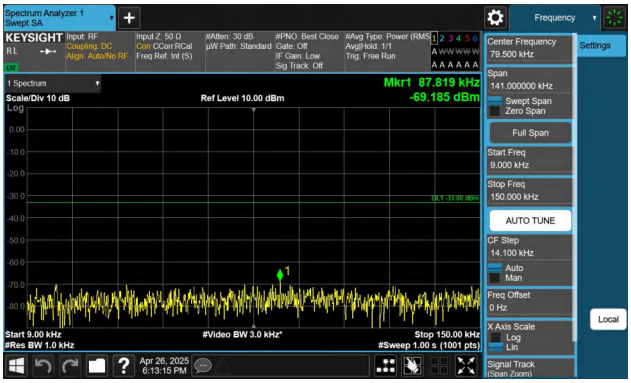
Band13-10MHz-QPSK-23230-1RB#0-30~1000-PASS

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

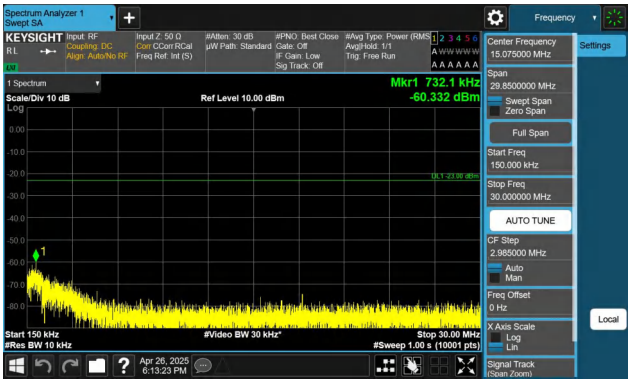
Band13-10MHz-QPSK-23230-1RB#0-1559~1610-PASS



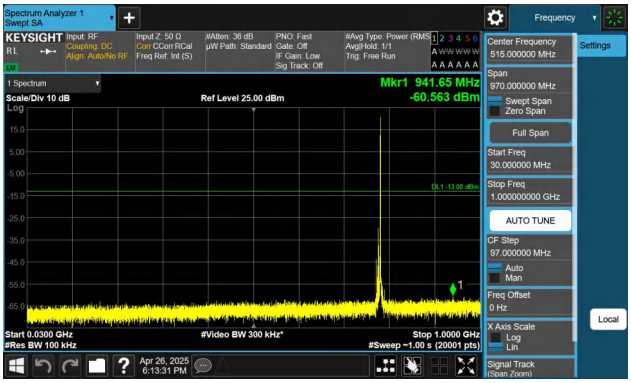
Band13-10MHz-QPSK-23230-1RB#0-3000~10000-PASS



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



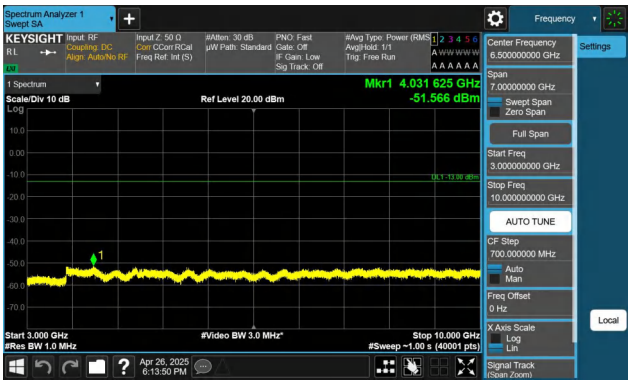
Band13-10MHz-QPSK-23230-1RB#49-0.15~30-PASS



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

Band13-10MHz-QPSK-23230-1RB#49-1000~3000-PASS

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



Band13-10MHz-QPSK-23230-1RB#49-3000~10000-PASS

Frequency Stability

Test Result

Voltage													
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band 13	10MHz	QPSK	23230	50RB#0	VN	NT	8350.00	10.677749	±NA	777.5430	786.4737	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	VL	NT	8100.00	10.358056	±NA	777.5421	786.4741	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	VH	NT	11700.00	14.961637	±NA	777.5466	786.4768	777-787	PASS

Temperature													
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	9950.00	12.723785	±NA	777.5459	786.4740	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	11950.00	15.281330	±NA	777.5465	786.4774	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	7100.00	9.079284	±NA	777.5443	786.4699	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	8700.00	11.125320	±NA	777.5440	786.4734	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	10700.00	13.682864	±NA	777.5475	786.4739	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	11050.00	14.130435	±NA	777.5452	786.4769	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	10500.00	13.427110	±NA	777.5446	786.4764	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	10100.00	12.915601	±NA	777.5481	786.4721	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	10100.00	12.915601	±NA	777.5440	786.4762	777-787	PASS

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