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	23.24	2.6	23.69	34.8	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.24	2.6	23.69	34.8	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.21	2.6	23.66	34.8	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.57	2.6	23.02	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.18	2.6	23.63	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.22	2.6	23.67	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.19	2.6	23.64	34.8	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.45	2.6	22.9	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.2	2.6	23.65	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.21	2.6	23.66	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.17	2.6	23.62	34.8	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.49	2.6	22.94	34.8	PASS
Band13	5MHz	64QAM	23205	1RB#0	21.29	2.6	21.74	34.8	PASS
Band13	5MHz	64QAM	23205	1RB#12	21.36	2.6	21.81	34.8	PASS
Band13	5MHz	64QAM	23205	1RB#24	21.3	2.6	21.75	34.8	PASS
Band13	5MHz	64QAM	23205	25RB#0	20.56	2.6	21.01	34.8	PASS
Band13	5MHz	64QAM	23230	1RB#0	21.86	2.6	22.31	34.8	PASS
Band13	5MHz	64QAM	23230	1RB#12	21.98	2.6	22.43	34.8	PASS
Band13	5MHz	64QAM	23230	1RB#24	21.89	2.6	22.34	34.8	PASS
Band13	5MHz	64QAM	23230	25RB#0	20.39	2.6	20.84	34.8	PASS
Band13	5MHz	64QAM	23255	1RB#0	21.66	2.6	22.11	34.8	PASS
Band13	5MHz	64QAM	23255	1RB#12	21.79	2.6	22.24	34.8	PASS
Band13	5MHz	64QAM	23255	1RB#24	21.59	2.6	22.04	34.8	PASS
Band13	5MHz	64QAM	23255	25RB#0	20.6	2.6	21.05	34.8	PASS
Band13	5MHz	256QAM	23205	1RB#0	18.76	2.6	19.21	34.8	PASS
Band13	5MHz	256QAM	23205	1RB#12	18.77	2.6	19.22	34.8	PASS
Band13	5MHz	256QAM	23205	1RB#24	18.78	2.6	19.23	34.8	PASS
Band13	5MHz	256QAM	23205	25RB#0	18.56	2.6	19.01	34.8	PASS
Band13	5MHz	256QAM	23230	1RB#0	18.55	2.6	19	34.8	PASS
Band13	5MHz	256QAM	23230	1RB#12	18.74	2.6	19.19	34.8	PASS
Band13	5MHz	256QAM	23230	1RB#24	18.71	2.6	19.16	34.8	PASS
Band13	5MHz	256QAM	23230	25RB#0	18.41	2.6	18.86	34.8	PASS
Band13	5MHz	256QAM	23255	1RB#0	18.55	2.6	19	34.8	PASS
Band13	5MHz	256QAM	23255	1RB#12	18.53	2.6	18.98	34.8	PASS

Band13	5MHz	256QAM	23255	1RB#24	18.44	2.6	18.89	34.8	PASS
Band13	5MHz	256QAM	23255	25RB#0	18.42	2.6	18.87	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.49	2.6	22.94	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.58	2.6	23.03	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.45	2.6	22.9	34.8	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.59	2.6	22.04	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.63	2.6	23.08	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.72	2.6	23.17	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.59	2.6	23.04	34.8	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.49	2.6	21.94	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.48	2.6	22.93	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.49	2.6	22.94	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.33	2.6	22.78	34.8	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.55	2.6	22	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.26	2.6	23.71	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.1	2.6	23.55	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.06	2.6	23.51	34.8	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.53	2.6	22.98	34.8	PASS
Band13	10MHz	64QAM	23230	1RB#0	21.41	2.6	21.86	34.8	PASS
Band13	10MHz	64QAM	23230	1RB#24	21.16	2.6	21.61	34.8	PASS
Band13	10MHz	64QAM	23230	1RB#49	21.51	2.6	21.96	34.8	PASS
Band13	10MHz	64QAM	23230	50RB#0	20.55	2.6	21	34.8	PASS
Band13	10MHz	256QAM	23230	1RB#0	18.67	2.6	19.12	34.8	PASS
Band13	10MHz	256QAM	23230	1RB#24	18.67	2.6	19.12	34.8	PASS
Band13	10MHz	256QAM	23230	1RB#49	18.68	2.6	19.13	34.8	PASS
Band13	10MHz	256QAM	23230	50RB#0	18.55	2.6	19	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.65	2.6	23.1	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.55	2.6	23	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.61	2.6	23.06	34.8	PASS
Band13	10MHz	16QAM	23230	50RB#0	21.55	2.6	22	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	5.11	13	PASS
Band13	5MHz	64QAM	23230	25RB#0	6.57	13	PASS
Band13	5MHz	256QAM	23230	25RB#0	6.78	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.91	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.16	13	PASS
Band13	10MHz	64QAM	23230	50RB#0	6.60	13	PASS
Band13	10MHz	256QAM	23230	50RB#0	6.82	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.01	13	PASS

Test Graphs

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

Band13-5MHz-64QAM-23230-25RB#0-PASS

Band13-5MHz-256QAM-23230-25RB#0-PASS

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

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

Band13-10MHz-64QAM-23230-50RB#0-PASS

Band13-10MHz-256QAM-23230-50RB#0-PASS

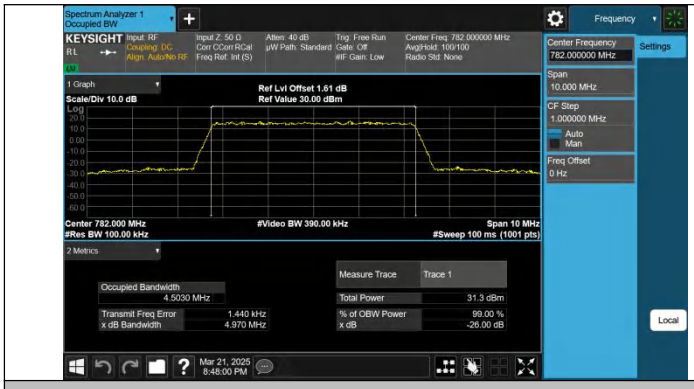
Band13-10MHz-16QAM-23230-50RB#0-PASS

26dB Bandwidth and Occupied Bandwidth

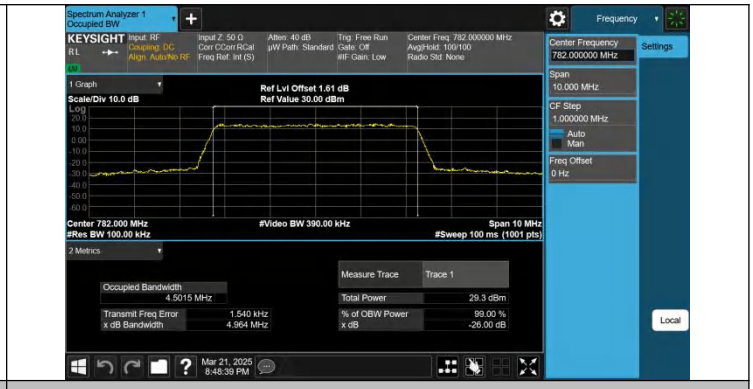
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23230	25RB#0	4.5030	4.970	PASS
Band13	5MHz	64QAM	23230	25RB#0	4.5015	4.964	PASS
Band13	5MHz	256QAM	23230	25RB#0	4.5069	4.956	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5016	4.937	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9482	9.800	PASS
Band13	10MHz	64QAM	23230	50RB#0	8.9347	9.772	PASS
Band13	10MHz	256QAM	23230	50RB#0	8.9460	9.785	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9574	9.760	PASS

Test Graphs



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



Band13-5MHz-64QAM-23230-25RB#0-PASS

Band13-5MHz-256QAM-23230-25RB#0-PASS

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

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

Band13-10MHz-64QAM-23230-50RB#0-PASS

Band13-10MHz-256QAM-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

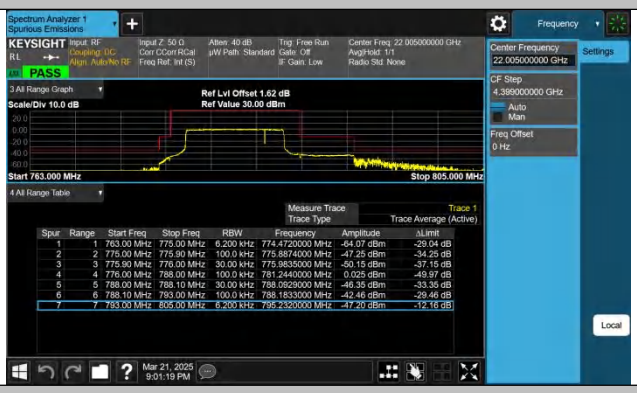
Band13-5MHz-QPSK-23255-1RB#0-PASS

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

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

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

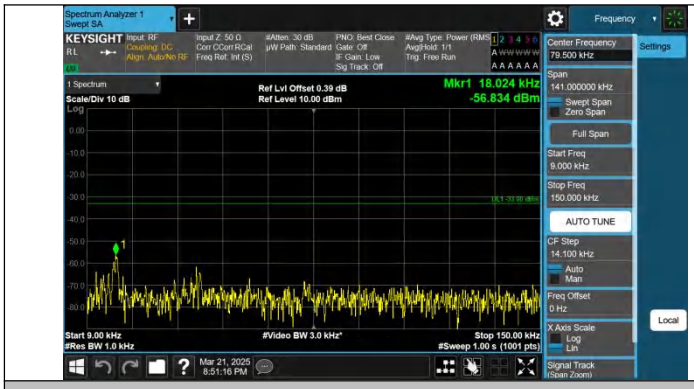
Band13-10MHz-QPSK-23230-1RB#49-PASS



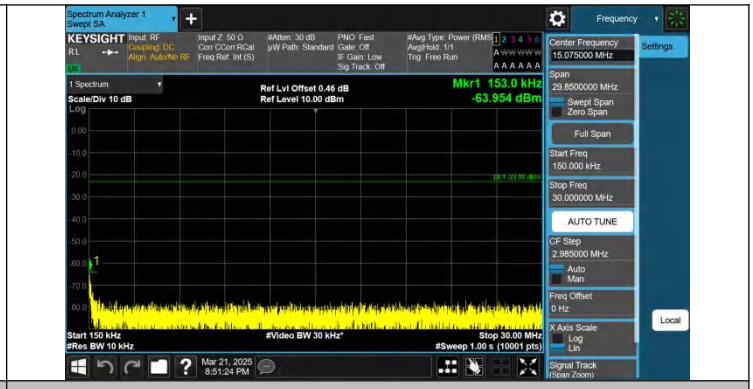
Band13-10MHz-QPSK-23230-50RB#0-PASS

Conducted Spurious Emission

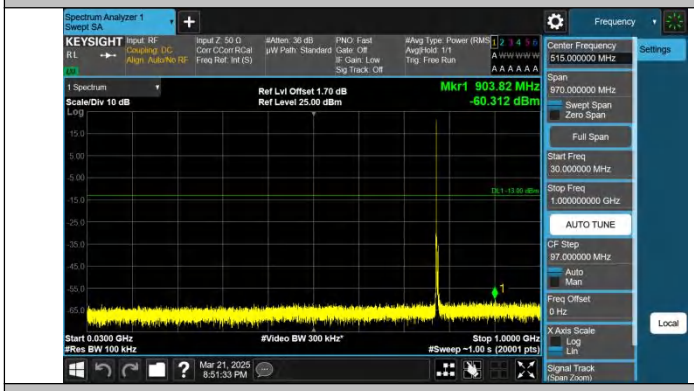
Test Graphs



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



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

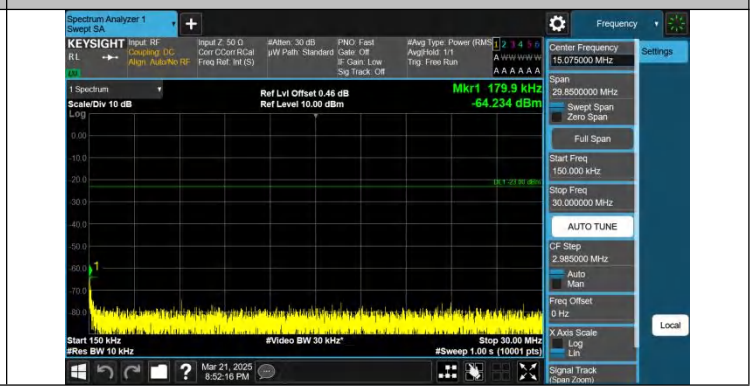


Band13-5MHz-QPSK-23205-1RB#0-30~1000-PASS

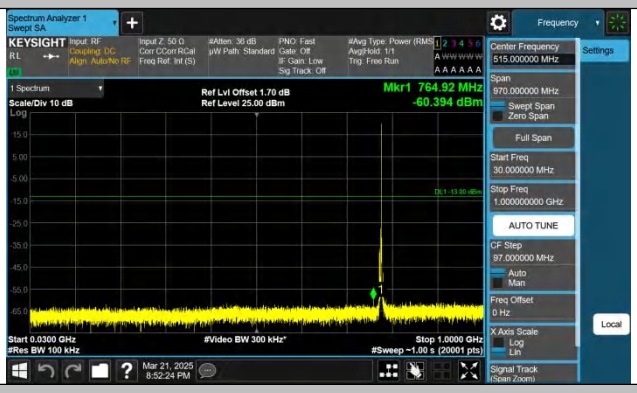
Band13-5MHz-QPSK-23205-1RB#0-1000~3000-PASS

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

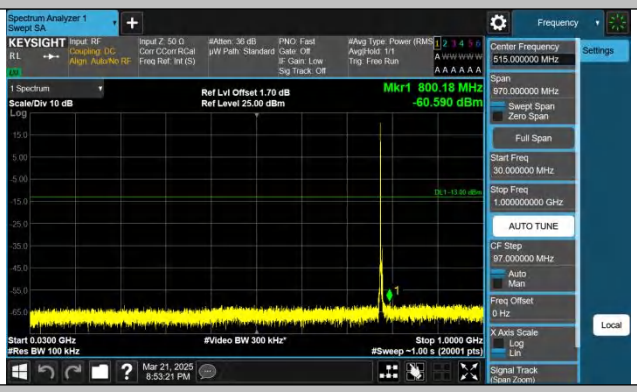
Band13-5MHz-QPSK-23205-1RB#24-30~1000-PASS

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

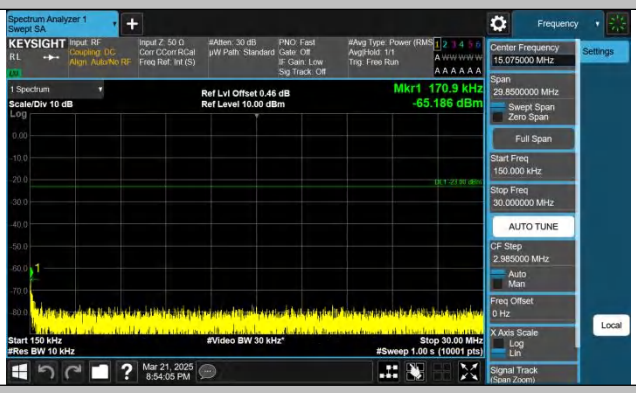
Band13-5MHz-QPSK-23230-1RB#0-30~1000-PASS

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



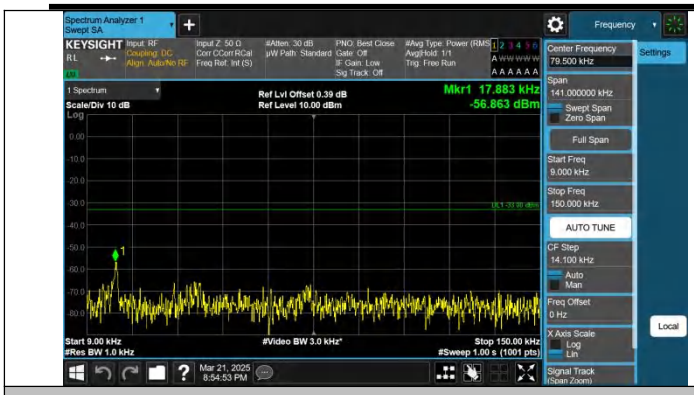
Band13-5MHz-QPSK-23230-1RB#24-0.15~30-PASS

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

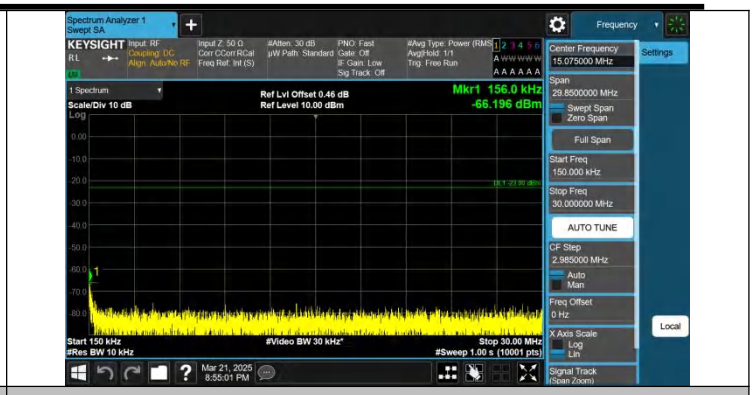
Band13-5MHz-QPSK-23230-1RB#24-1000~3000-PASS

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

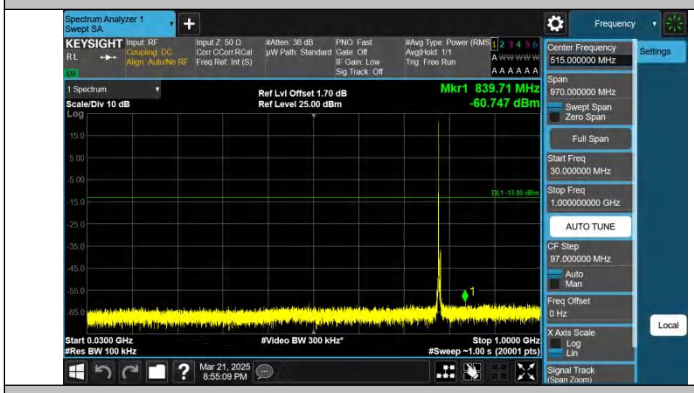
Band13-5MHz-QPSK-23230-1RB#24-3000~10000-PASS



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



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

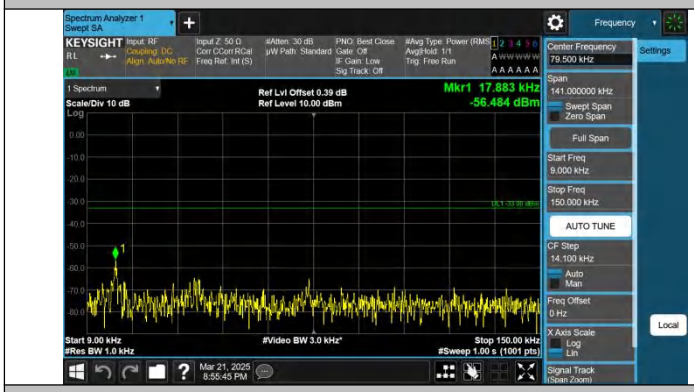


Band13-5MHz-QPSK-23255-1RB#0-30~1000-PASS

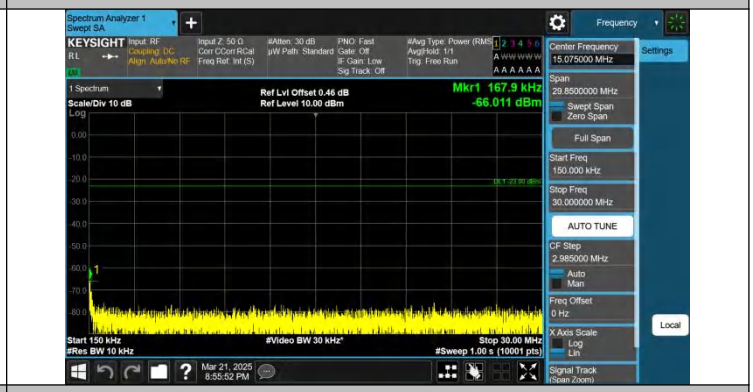
Band13-5MHz-QPSK-23255-1RB#0-1000~3000-PASS

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

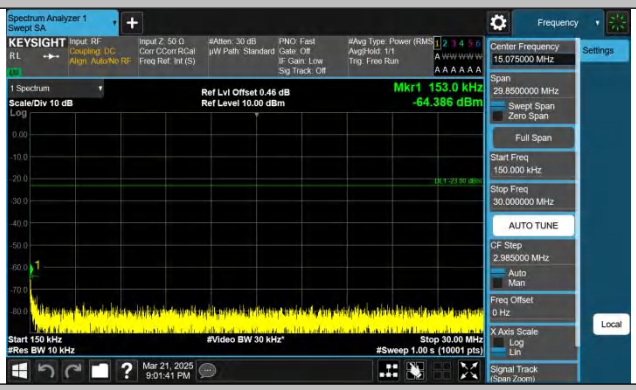
Band13-5MHz-QPSK-23255-1RB#24-30~1000-PASS

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

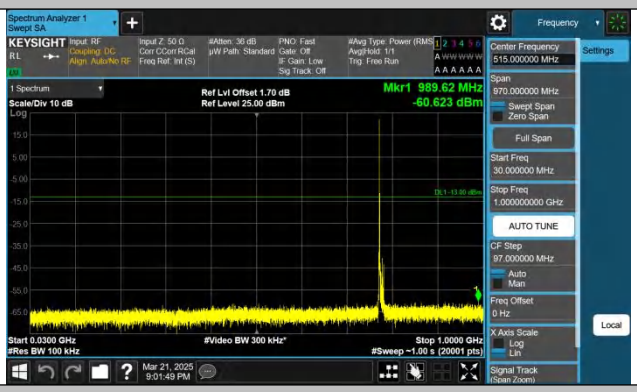
Band13-5MHz-QPSK-23255-1RB#24-1559~1610-PASS

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



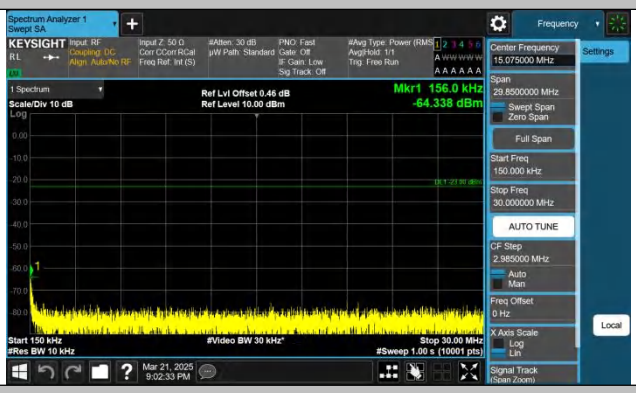
Band13-10MHz-QPSK-23230-1RB#0-30~1000-PASS

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

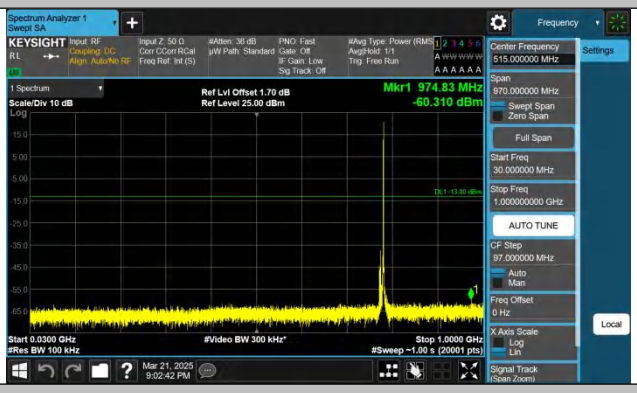
Band13-10MHz-QPSK-23230-1RB#0-1559~1610-PASS

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	3490.00	4.462916	±NA	777.54454	786.46244	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	VL	NT	3430.00	4.386189	±NA	777.54608	786.46078	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	VH	NT	4590.00	5.869565	±NA	777.54544	786.46374	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	5560.00	7.109974	±NA	777.54706	786.46406	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	4740.00	6.061381	±NA	777.54839	786.46109	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	2410.00	3.081841	±NA	777.54621	786.45861	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	7820.00	10.000000	±NA	777.55182	786.46382	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	8050.00	10.294118	±NA	777.55305	786.46305	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	6580.00	8.414322	±NA	777.54723	786.46593	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	6340.00	8.107417	±NA	777.55124	786.46144	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	7620.00	9.744246	±NA	777.54882	786.46642	777-787	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	5840.00	7.468031	±NA	777.55034	786.46134	777-787	PASS

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