

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	22.77	0.2	20.82	34.8	PASS
Band13	5MHz	QPSK	23205	1RB#12	22.85	0.2	20.9	34.8	PASS
Band13	5MHz	QPSK	23205	1RB#24	22.85	0.2	20.9	34.8	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.15	0.2	20.2	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#0	22.85	0.2	20.9	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#12	22.89	0.2	20.94	34.8	PASS
Band13	5MHz	QPSK	23230	1RB#24	22.86	0.2	20.91	34.8	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.1	0.2	20.15	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#0	22.84	0.2	20.89	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#12	22.88	0.2	20.93	34.8	PASS
Band13	5MHz	QPSK	23255	1RB#24	22.8	0.2	20.85	34.8	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.15	0.2	20.2	34.8	PASS
Band13	5MHz	64QAM	23205	1RB#0	21.17	0.2	19.22	34.8	PASS
Band13	5MHz	64QAM	23205	1RB#12	21.35	0.2	19.4	34.8	PASS
Band13	5MHz	64QAM	23205	1RB#24	21.17	0.2	19.22	34.8	PASS
Band13	5MHz	64QAM	23205	25RB#0	20.18	0.2	18.23	34.8	PASS
Band13	5MHz	64QAM	23230	1RB#0	20.97	0.2	19.02	34.8	PASS
Band13	5MHz	64QAM	23230	1RB#12	21.19	0.2	19.24	34.8	PASS
Band13	5MHz	64QAM	23230	1RB#24	20.99	0.2	19.04	34.8	PASS
Band13	5MHz	64QAM	23230	25RB#0	20.12	0.2	18.17	34.8	PASS
Band13	5MHz	64QAM	23255	1RB#0	21.23	0.2	19.28	34.8	PASS
Band13	5MHz	64QAM	23255	1RB#12	21.17	0.2	19.22	34.8	PASS
Band13	5MHz	64QAM	23255	1RB#24	20.99	0.2	19.04	34.8	PASS
Band13	5MHz	64QAM	23255	25RB#0	20.14	0.2	18.19	34.8	PASS
Band13	5MHz	256QAM	23205	1RB#0	18.06	0.2	16.11	34.8	PASS
Band13	5MHz	256QAM	23205	1RB#12	18.16	0.2	16.21	34.8	PASS
Band13	5MHz	256QAM	23205	1RB#24	18	0.2	16.05	34.8	PASS
Band13	5MHz	256QAM	23205	25RB#0	18.06	0.2	16.11	34.8	PASS
Band13	5MHz	256QAM	23230	1RB#0	17.82	0.2	15.87	34.8	PASS
Band13	5MHz	256QAM	23230	1RB#12	18.32	0.2	16.37	34.8	PASS
Band13	5MHz	256QAM	23230	1RB#24	18.09	0.2	16.14	34.8	PASS
Band13	5MHz	256QAM	23230	25RB#0	18.04	0.2	16.09	34.8	PASS
Band13	5MHz	256QAM	23255	1RB#0	18	0.2	16.05	34.8	PASS
Band13	5MHz	256QAM	23255	1RB#12	18.14	0.2	16.19	34.8	PASS

Band13	5MHz	256QAM	23255	1RB#24	17.97	0.2	16.02	34.8	PASS
Band13	5MHz	256QAM	23255	25RB#0	18.15	0.2	16.2	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.25	0.2	20.3	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.07	0.2	20.12	34.8	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.16	0.2	20.21	34.8	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.2	0.2	19.25	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.04	0.2	20.09	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.13	0.2	20.18	34.8	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.15	0.2	20.2	34.8	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.04	0.2	19.09	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.13	0.2	20.18	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.18	0.2	20.23	34.8	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.03	0.2	20.08	34.8	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.15	0.2	19.2	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#0	22.7	0.2	20.75	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#24	22.83	0.2	20.88	34.8	PASS
Band13	10MHz	QPSK	23230	1RB#49	22.75	0.2	20.8	34.8	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.14	0.2	20.19	34.8	PASS
Band13	10MHz	64QAM	23230	1RB#0	20.99	0.2	19.04	34.8	PASS
Band13	10MHz	64QAM	23230	1RB#24	21.13	0.2	19.18	34.8	PASS
Band13	10MHz	64QAM	23230	1RB#49	21.03	0.2	19.08	34.8	PASS
Band13	10MHz	64QAM	23230	50RB#0	20.11	0.2	18.16	34.8	PASS
Band13	10MHz	256QAM	23230	1RB#0	18.07	0.2	16.12	34.8	PASS
Band13	10MHz	256QAM	23230	1RB#24	17.93	0.2	15.98	34.8	PASS
Band13	10MHz	256QAM	23230	1RB#49	17.98	0.2	16.03	34.8	PASS
Band13	10MHz	256QAM	23230	50RB#0	18.07	0.2	16.12	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.03	0.2	20.08	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.2	0.2	20.25	34.8	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.1	0.2	20.15	34.8	PASS
Band13	10MHz	16QAM	23230	50RB#0	21.17	0.2	19.22	34.8	PASS

Peak-to-Average Ratio(CCDF)

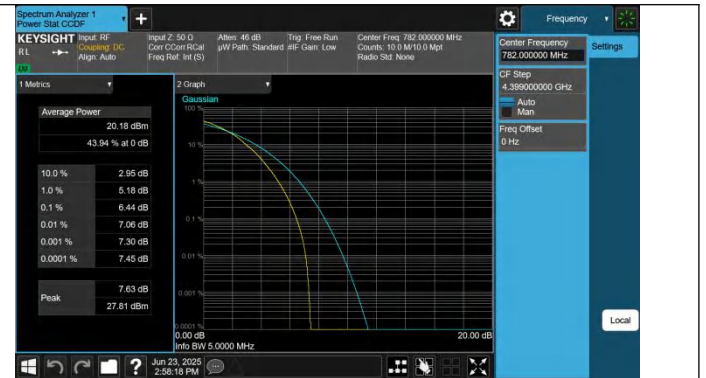
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23230	25RB#0	4.72	13	PASS
Band13	5MHz	64QAM	23230	25RB#0	6.44	13	PASS
Band13	5MHz	256QAM	23230	25RB#0	6.73	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.75	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	4.98	13	PASS
Band13	10MHz	64QAM	23230	50RB#0	6.43	13	PASS
Band13	10MHz	256QAM	23230	50RB#0	6.71	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	5.92	13	PASS

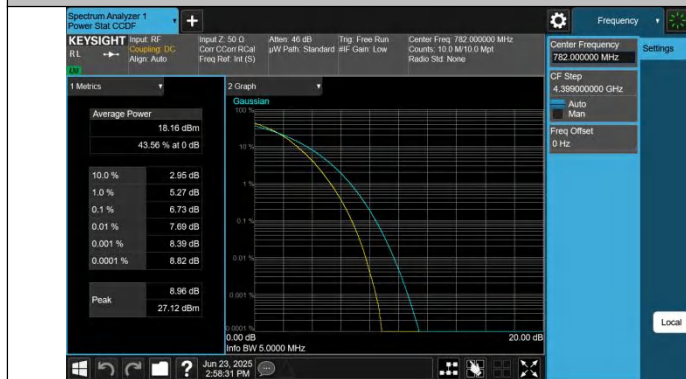
Test Graphs



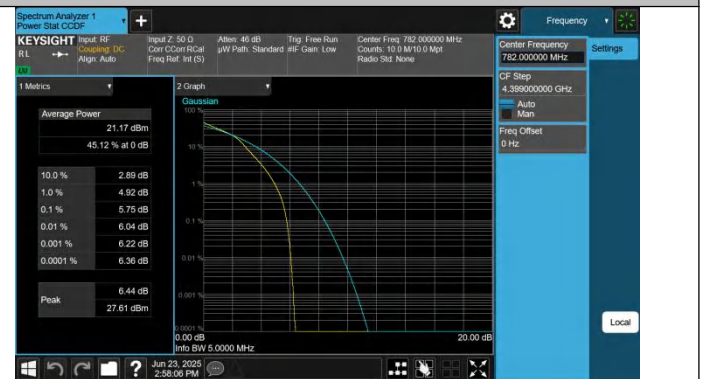
Band 13-5MHz-QPSK-23230-25RB#0-PASS



Band 13-5MHz-64QAM-23230-25RB#0-PASS



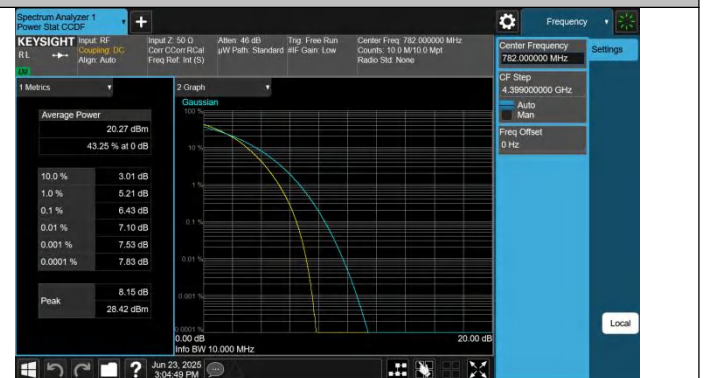
Band 13-5MHz-256QAM-23230-25RB#0-PASS



Band 13-5MHz-16QAM-23230-25RB#0-PASS



Band 13-10MHz-QPSK-23230-50RB#0-PASS



Band 13-10MHz-64QAM-23230-50RB#0-PASS



Band 13-10MHz-256QAM-23230-50RB#0-PASS



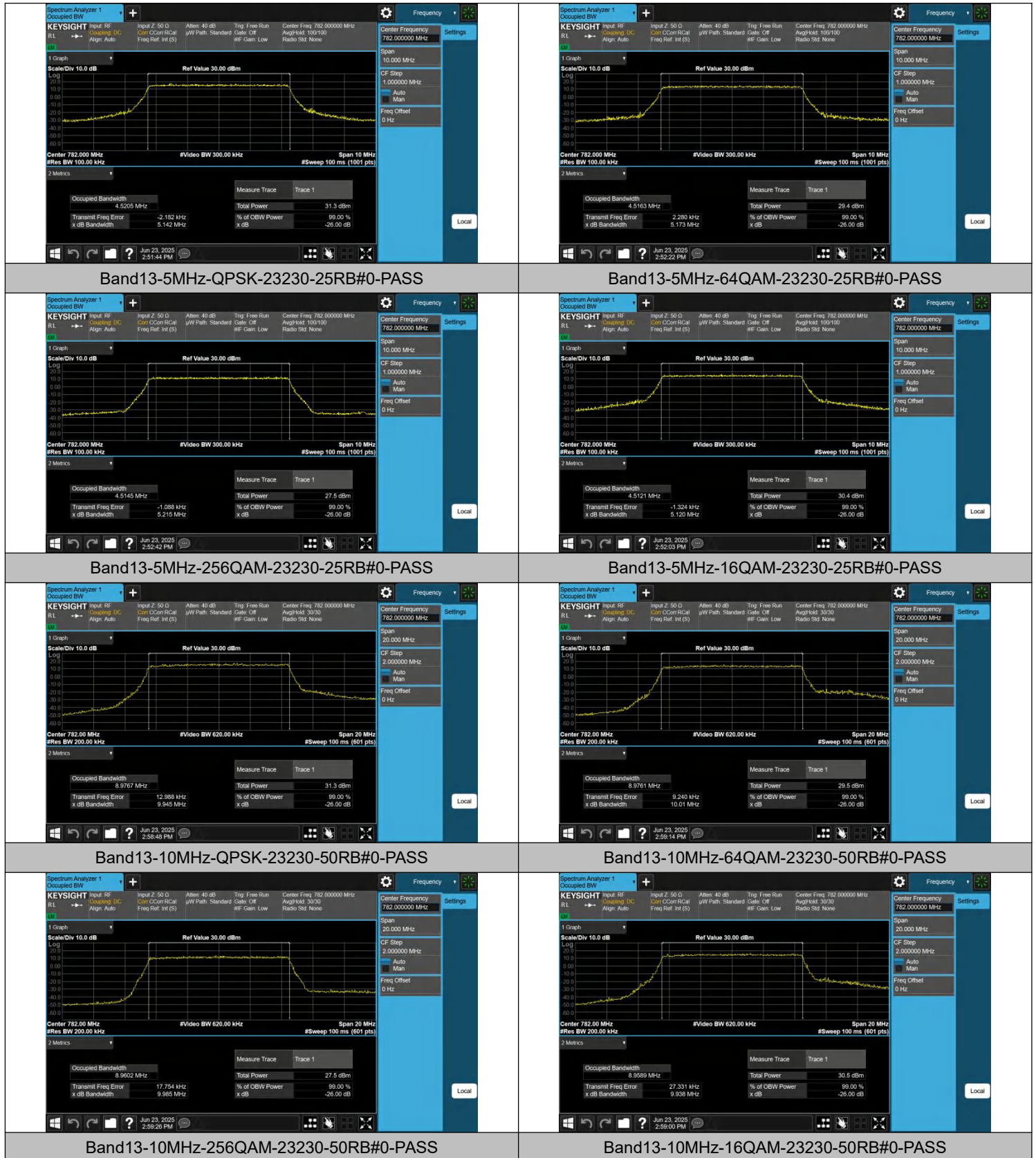
Band 13-10MHz-16QAM-23230-50RB#0-PASS

26dB Bandwidth and Occupied Bandwidth

Test Result

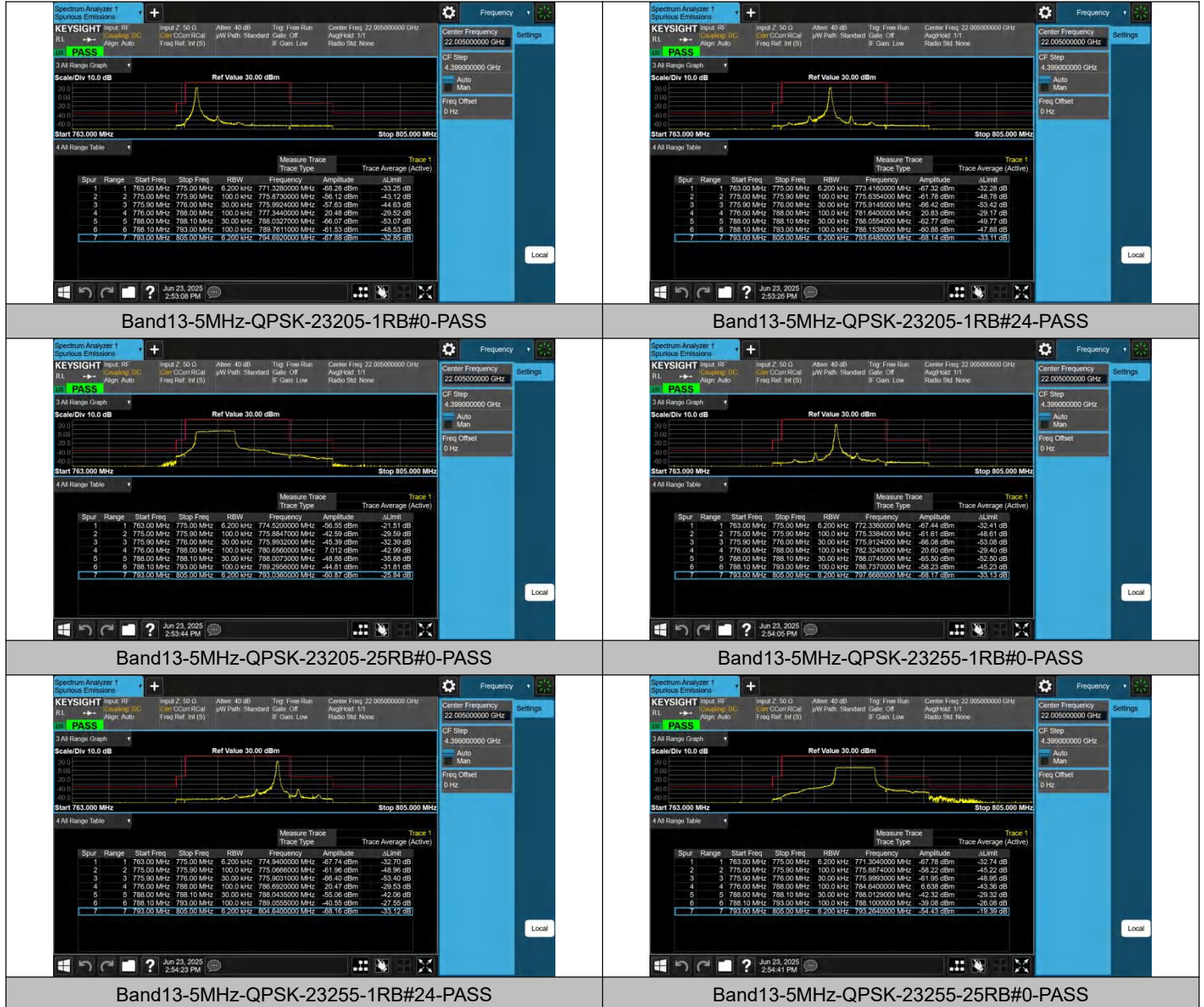
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23230	25RB#0	4.5205	5.142	PASS
Band13	5MHz	64QAM	23230	25RB#0	4.5163	5.173	PASS
Band13	5MHz	256QAM	23230	25RB#0	4.5145	5.215	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5121	5.120	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9767	9.945	PASS
Band13	10MHz	64QAM	23230	50RB#0	8.9761	10.01	PASS
Band13	10MHz	256QAM	23230	50RB#0	8.9602	9.985	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9589	9.938	PASS

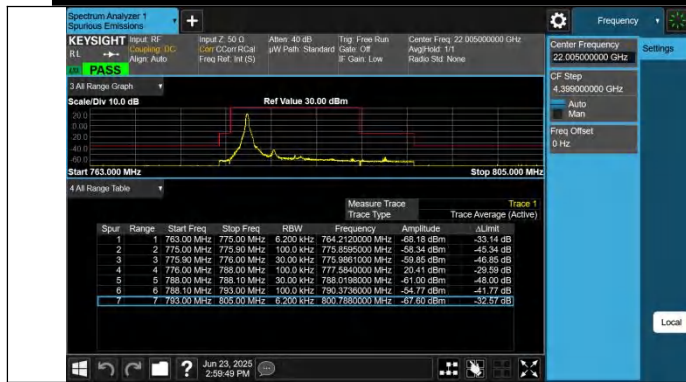
Test Graphs



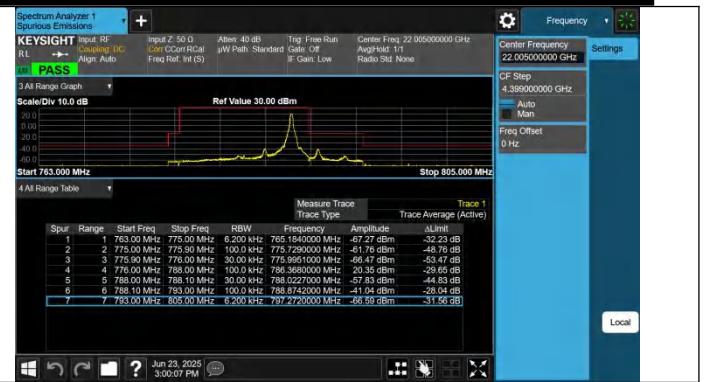
Band Edge

Test Graphs

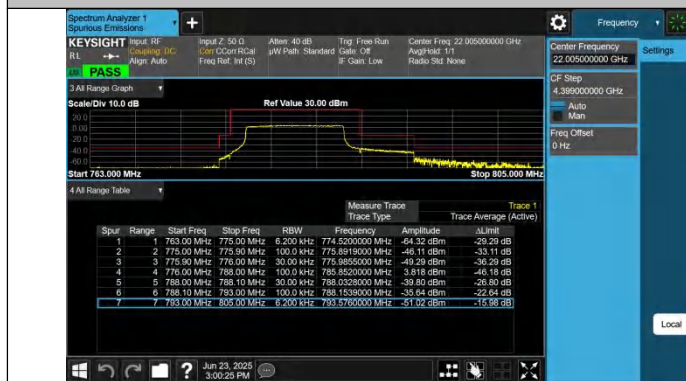




Band13-10MHz-QPSK-23230-1RB#0-PASS



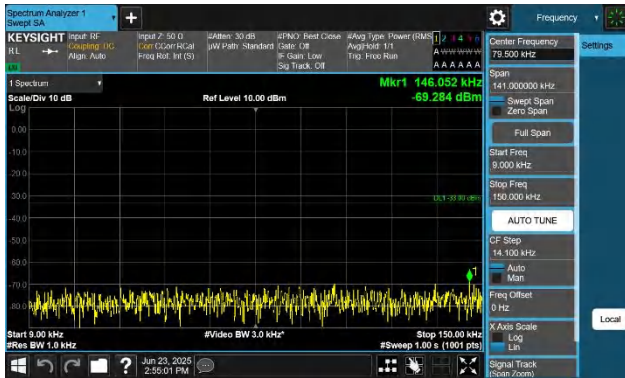
Band13-10MHz-QPSK-23230-1RB#49-PASS



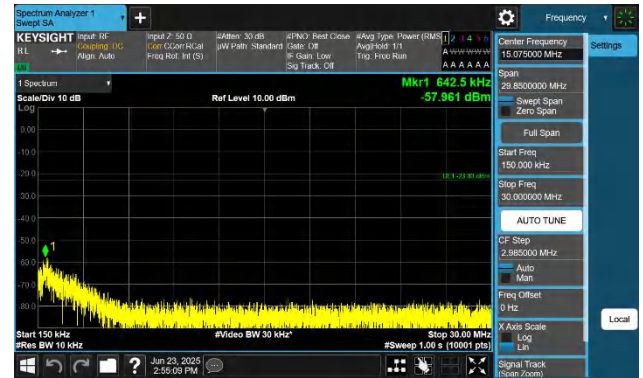
Band13-10MHz-QPSK-23230-50RB#0-PASS

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



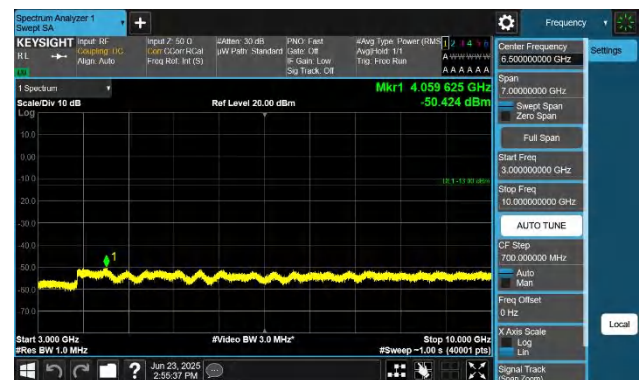
Band13-5MHz-QPSK-23205-1RB#0-30~1000-PASS



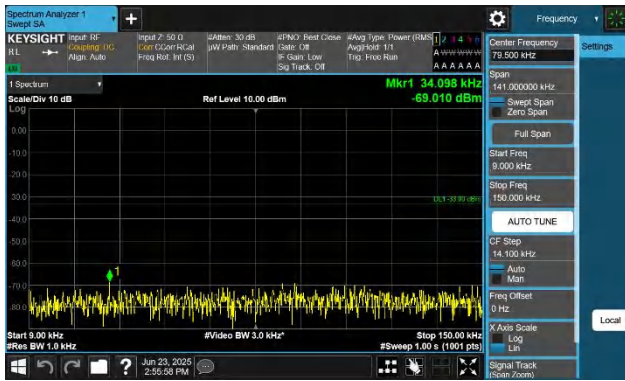
Band13-5MHz-QPSK-23205-1RB#0-1000~3000-PASS



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



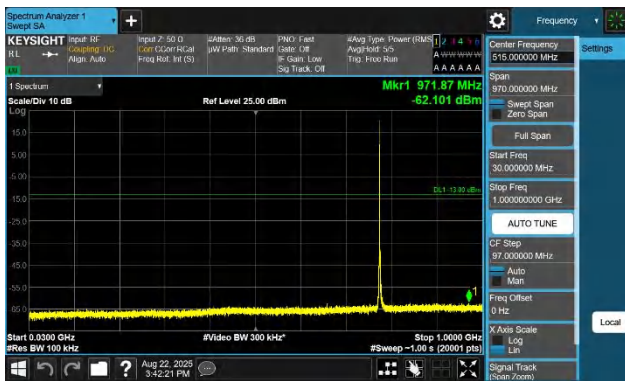
Band13-5MHz-QPSK-23205-1RB#0-3000~10000-PASS



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



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



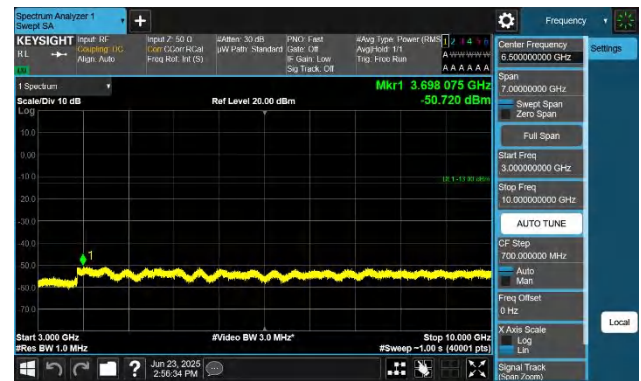
Band13-5MHz-QPSK-23230-1RB#0-30~1000-PASS



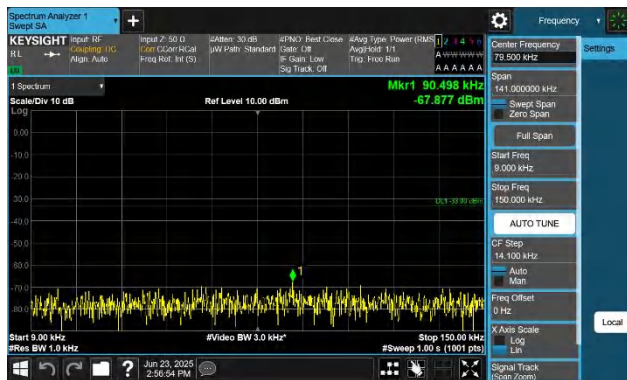
Band13-5MHz-QPSK-23230-1RB#0-1000~3000-PASS



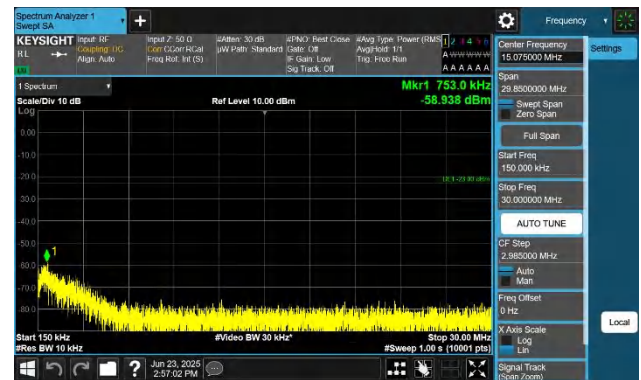
Band13-5MHz-QPSK-23230-1RB#0-1559~1610-PASS



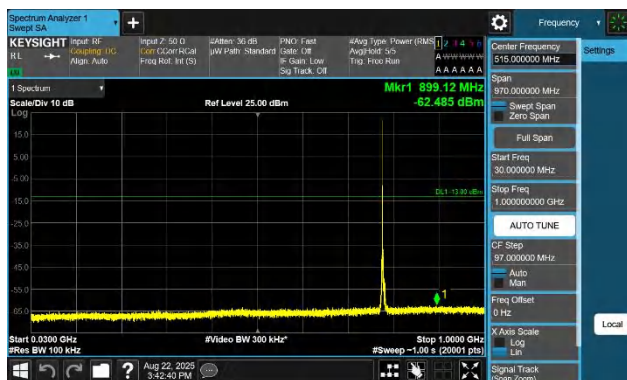
Band13-5MHz-QPSK-23230-1RB#0-3000~10000-PASS



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



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



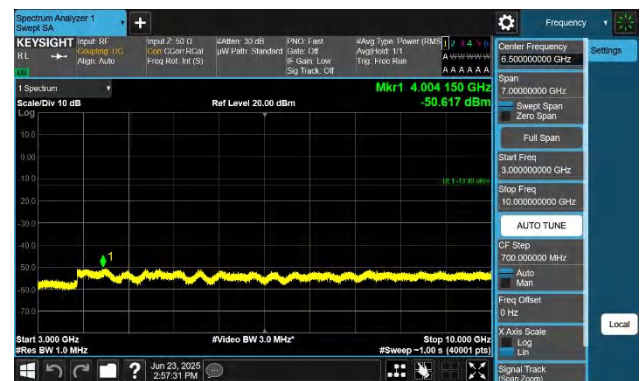
Band13-5MHz-QPSK-23255-1RB#0-30~1000-PASS



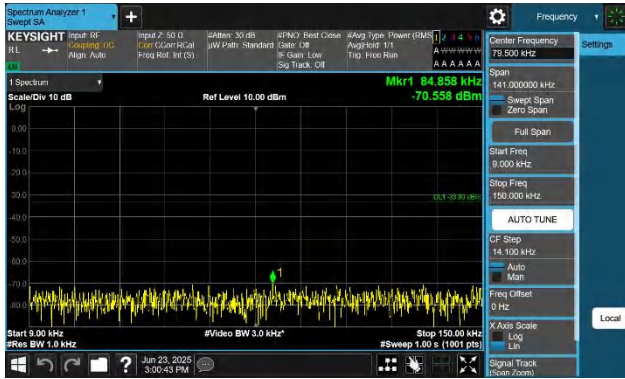
Band13-5MHz-QPSK-23255-1RB#0-1000~3000-PASS



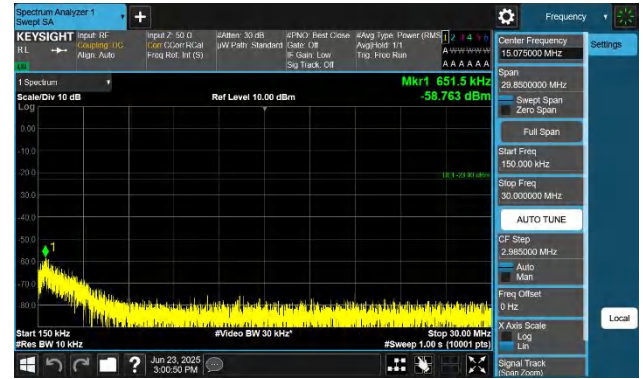
Band13-5MHz-QPSK-23255-1RB#0-1559~1610-PASS



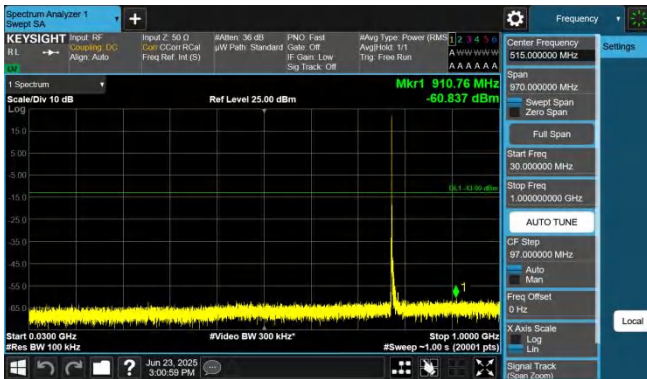
Band13-5MHz-QPSK-23255-1RB#0-3000~10000-PASS



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



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



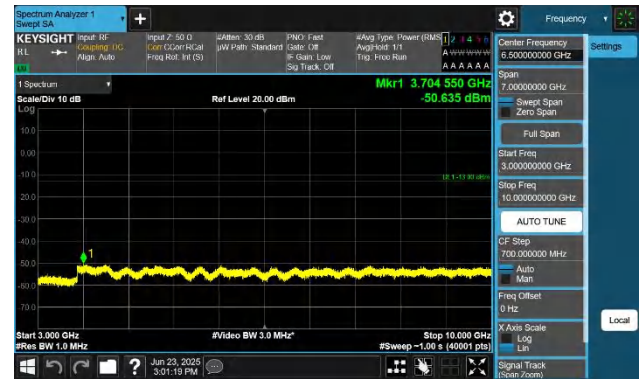
Band13-10MHz-QPSK-23230-1RB#0-30~1000-PASS



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

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	7280.00	9.309463	±NA	777.54223	786.47233	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	VL	NT	5920.00	7.570332	±NA	777.54482	786.46702	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	VH	NT	10320.00	13.196931	±NA	777.54782	786.47282	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	11650.00	14.897698	±NA	777.5559	786.4674	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	-20	6160.00	7.877238	±NA	777.54406	786.46826	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	-10	10530.00	13.465473	±NA	777.55363	786.46743	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	0	7650.00	9.782609	±NA	777.54495	786.47035	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	10	11900.00	15.217391	±NA	777.5542	786.4696	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	20	7700.00	9.846547	±NA	777.5423	786.4731	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	30	7420.00	9.488491	±NA	777.54547	786.46937	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	40	8510.00	10.882353	±NA	777.54396	786.47306	777-787	PASS
Band 13	10MHz	QPSK	23230	50RB#0	NV	50	9540.00	12.199488	±NA	777.55024	786.46884	777-787	PASS

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