

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
Band14	5MHz	QPSK	23305	1RB#0	22.95	3.63	24.43	34.8	PASS
Band14	5MHz	QPSK	23305	25RB#0	21.9	3.63	23.38	34.8	PASS
Band14	5MHz	QPSK	23305	1RB#12	22.8	3.63	24.28	34.8	PASS
Band14	5MHz	QPSK	23305	1RB#24	22.85	3.63	24.33	34.8	PASS
Band14	5MHz	QPSK	23330	1RB#0	22.9	3.63	24.38	34.8	PASS
Band14	5MHz	QPSK	23330	25RB#0	22.1	3.63	23.58	34.8	PASS
Band14	5MHz	QPSK	23330	1RB#12	22.9	3.63	24.38	34.8	PASS
Band14	5MHz	QPSK	23330	1RB#24	22.99	3.63	24.47	34.8	PASS
Band14	5MHz	QPSK	23355	1RB#0	22.75	3.63	24.23	34.8	PASS
Band14	5MHz	QPSK	23355	25RB#0	22.09	3.63	23.57	34.8	PASS
Band14	5MHz	QPSK	23355	1RB#12	23.14	3.63	24.62	34.8	PASS
Band14	5MHz	QPSK	23355	1RB#24	23.04	3.63	24.52	34.8	PASS
Band14	5MHz	16QAM	23305	1RB#0	21.77	3.63	23.25	34.8	PASS
Band14	5MHz	16QAM	23305	25RB#0	21.01	3.63	22.49	34.8	PASS
Band14	5MHz	16QAM	23305	1RB#12	21.55	3.63	23.03	34.8	PASS
Band14	5MHz	16QAM	23305	1RB#24	21.7	3.63	23.18	34.8	PASS
Band14	5MHz	16QAM	23330	1RB#0	22.32	3.63	23.8	34.8	PASS
Band14	5MHz	16QAM	23330	25RB#0	21.08	3.63	22.56	34.8	PASS
Band14	5MHz	16QAM	23330	1RB#12	22.23	3.63	23.71	34.8	PASS
Band14	5MHz	16QAM	23330	1RB#24	22.34	3.63	23.82	34.8	PASS
Band14	5MHz	16QAM	23355	1RB#0	21.9	3.63	23.38	34.8	PASS
Band14	5MHz	16QAM	23355	25RB#0	21.25	3.63	22.73	34.8	PASS
Band14	5MHz	16QAM	23355	1RB#12	22.21	3.63	23.69	34.8	PASS
Band14	5MHz	16QAM	23355	1RB#24	22.09	3.63	23.57	34.8	PASS
Band14	10MHz	QPSK	23330	1RB#0	23.02	3.63	24.5	34.8	PASS
Band14	10MHz	QPSK	23330	50RB#0	22.17	3.63	23.65	34.8	PASS
Band14	10MHz	QPSK	23330	1RB#24	22.92	3.63	24.4	34.8	PASS
Band14	10MHz	QPSK	23330	1RB#49	23.14	3.63	24.62	34.8	PASS
Band14	10MHz	16QAM	23330	1RB#0	22.34	3.63	23.82	34.8	PASS
Band14	10MHz	16QAM	23330	27RB#0	21.2	3.63	22.68	34.8	PASS
Band14	10MHz	16QAM	23330	1RB#24	22.26	3.63	23.74	34.8	PASS
Band14	10MHz	16QAM	23330	1RB#49	22.52	3.63	24	34.8	PASS

Peak-to-Average Ratio(CCDF)

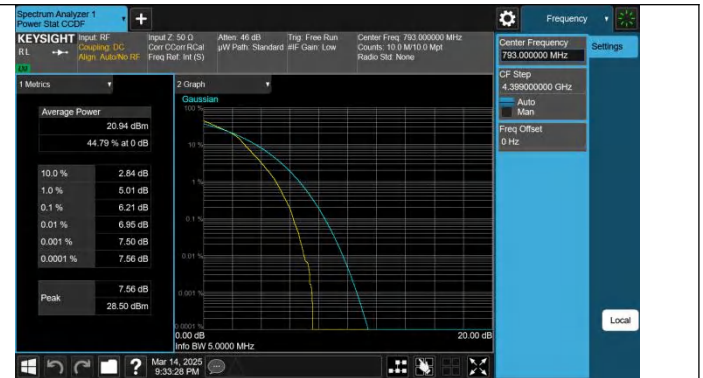
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band14	5MHz	QPSK	23330	25RB#0	5.62	13	PASS
Band14	5MHz	16QAM	23330	25RB#0	6.21	13	PASS
Band14	10MHz	QPSK	23330	50RB#0	5.54	13	PASS
Band14	10MHz	16QAM	23330	27RB#0	6.37	13	PASS

Test Graphs



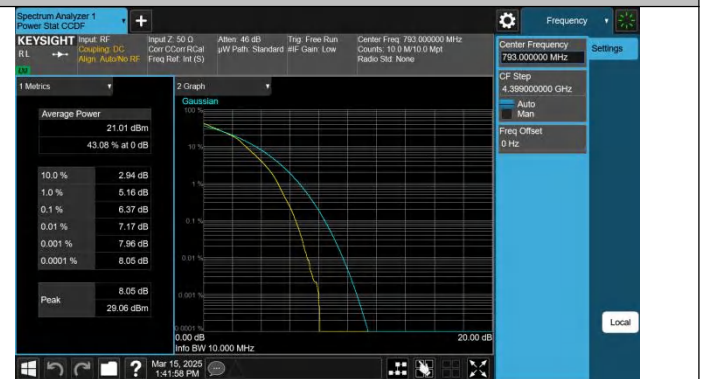
Band14-5MHz-QPSK-23330-25RB#0-PASS



Band14-5MHz-16QAM-23330-25RB#0-PASS



Band14-10MHz-QPSK-23330-50RB#0-PASS



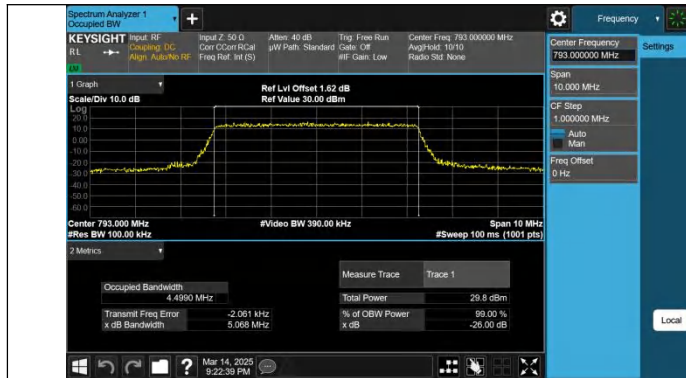
Band14-10MHz-16QAM-23330-27RB#0-PASS

26dB Bandwidth and Occupied Bandwidth

Test Result

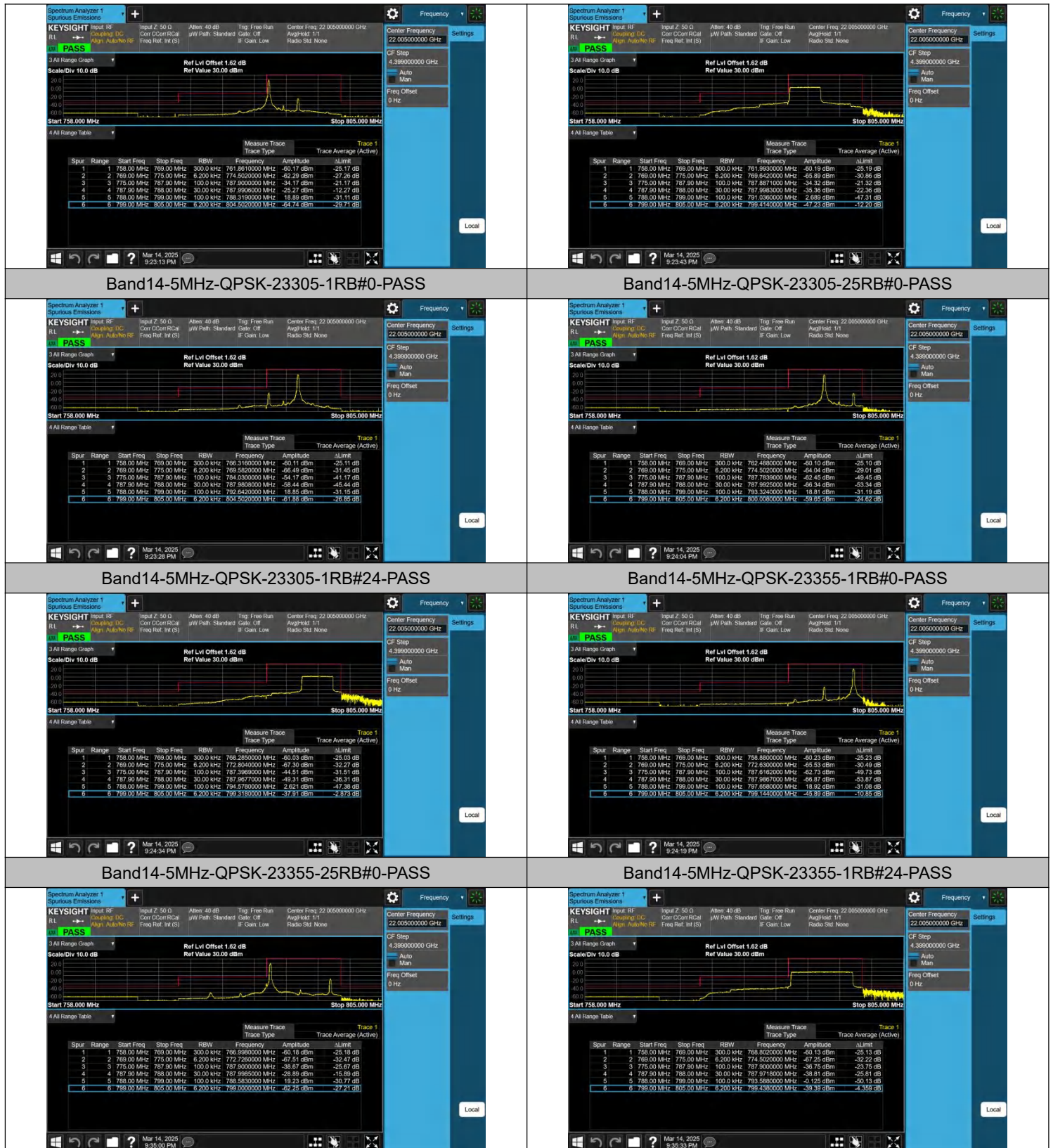
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band14	5MHz	QPSK	23330	25RB#0	4.4990	5.068	PASS
Band14	5MHz	16QAM	23330	25RB#0	4.5002	4.986	PASS
Band14	10MHz	QPSK	23330	50RB#0	8.9860	10.23	PASS
Band14	10MHz	16QAM	23330	27RB#0	5.0149	6.251	PASS

Test Graphs



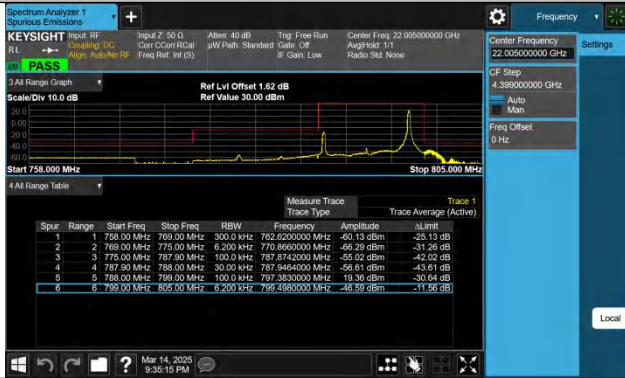
Band Edge

Test Graphs



Band14-10MHz-QPSK-23330-1RB#0-PASS

Band14-10MHz-QPSK-23330-50RB#0-PASS



Band14-10MHz-QPSK-23330-1RB#49-PASS

Spectrum emission mask

Test Graphs



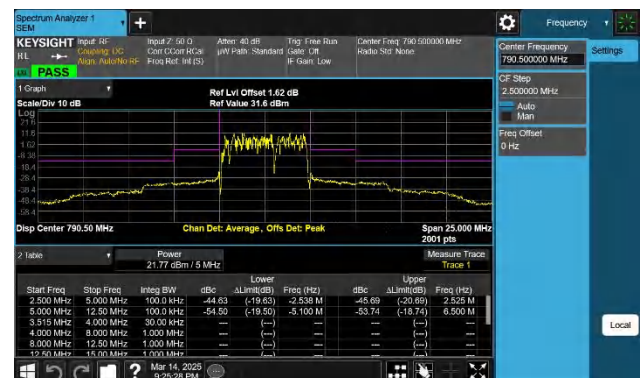
NTNV-Band14-5MHz-QPSK-23305-1RB#0--12.50--5.00-PASS

NTNV-Band14-5MHz-QPSK-23305-1RB#0--5.00--2.50-PASS



NTNV-Band14-5MHz-QPSK-23305-1RB#0-2.50-5.00-PASS

NTNV-Band14-5MHz-QPSK-23305-1RB#0-5.00-12.50-PASS



NTNV-Band14-5MHz-QPSK-23305-25RB#0--12.50--5.00-PASS

NTNV-Band14-5MHz-QPSK-23305-25RB#0--5.00--2.50-PASS



NTNV-Band14-5MHz-QPSK-23305-25RB#0-2.50-5.00-PASS

NTNV-Band14-5MHz-QPSK-23305-25RB#0-5.00-12.50-PASS



NTNV-Band14-5MHz-QPSK-23305-1RB#24--12.50--5.00-PASS

NTNV-Band14-5MHz-QPSK-23305-1RB#24--5.00--2.50-PASS



NTNV-Band14-5MHz-QPSK-23305-1RB#24--2.50-2.50-PASS

NTNV-Band14-5MHz-QPSK-23305-1RB#24-5.00-12.50-PASS



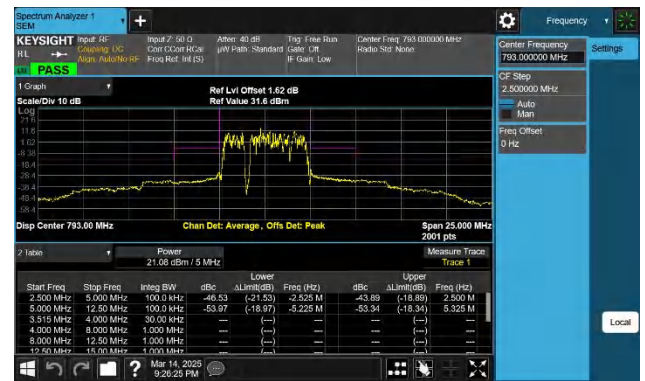
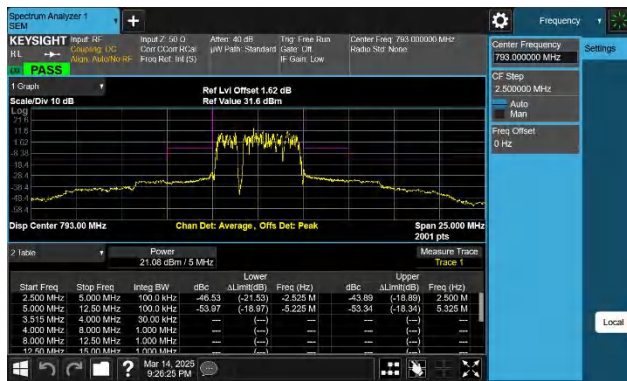
NTNV-Band14-5MHz-QPSK-23330-1RB#0--12.50--5.00-PASS

NTNV-Band14-5MHz-QPSK-23330-1RB#0--5.00--2.50-PASS



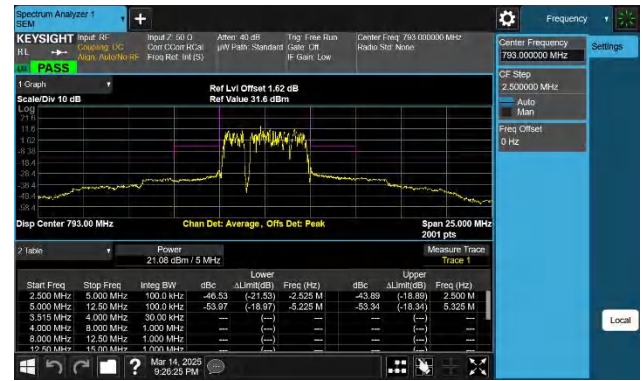
NTNV-Band14-5MHz-QPSK-23330-1RB#0-2.50-5.00-PASS

NTNV-Band14-5MHz-QPSK-23330-1RB#0-5.00-12.50-PASS



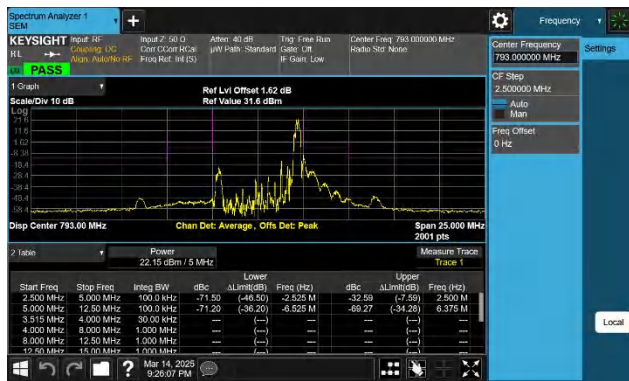
NTNV-Band14-5MHz-QPSK-23330-25RB#0--12.50--5.00-PASS

NTNV-Band14-5MHz-QPSK-23330-25RB#0--5.00--2.50-PASS



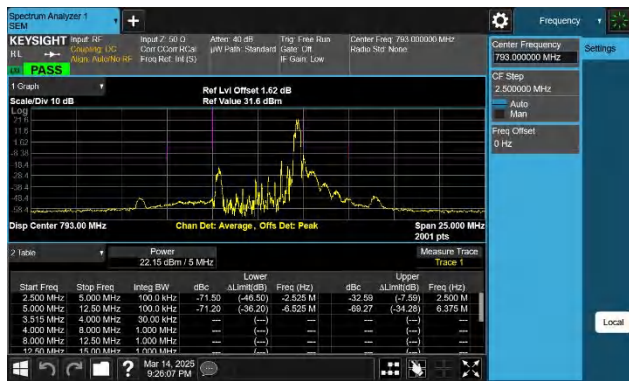
NTNV-Band14-5MHz-QPSK-23330-25RB#0--2.50-2.50-PASS

NTNV-Band14-5MHz-QPSK-23330-25RB#0-5.00-12.50-PASS



NTNV-Band14-5MHz-QPSK-23330-1RB#24--12.50--5.00-PASS

NTNV-Band14-5MHz-QPSK-23330-1RB#24--5.00--2.50-PASS



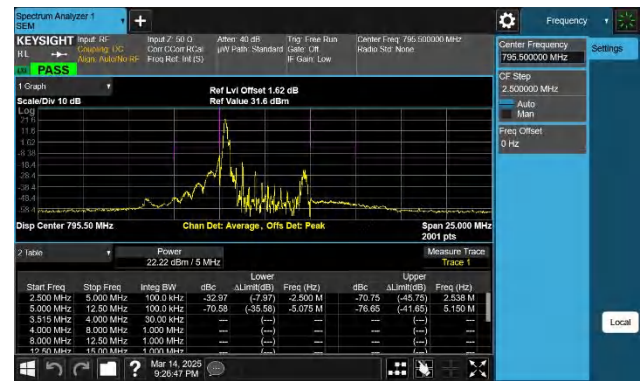
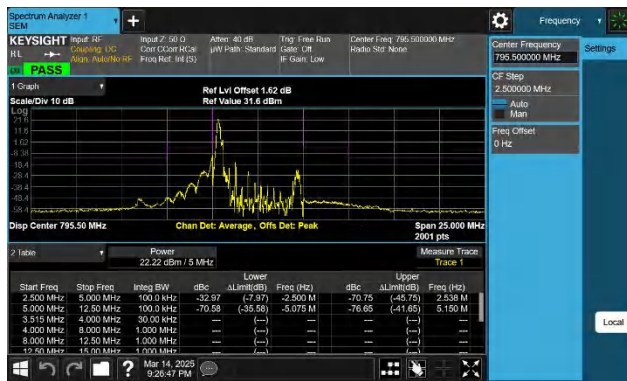
NTNV-Band14-5MHz-QPSK-23330-1RB#24--2.50-2.50-PASS

NTNV-Band14-5MHz-QPSK-23330-1RB#24-5.00-12.50-PASS



NTNV-Band14-5MHz-QPSK-23355-1RB#0--12.50--5.00-PASS

NTNV-Band14-5MHz-QPSK-23355-1RB#0--5.00--2.50-PASS



NTNV-Band14-5MHz-QPSK-23355-1RB#0-2.50-5.00-PASS

NTNV-Band14-5MHz-QPSK-23355-1RB#0-5.00-12.50-PASS



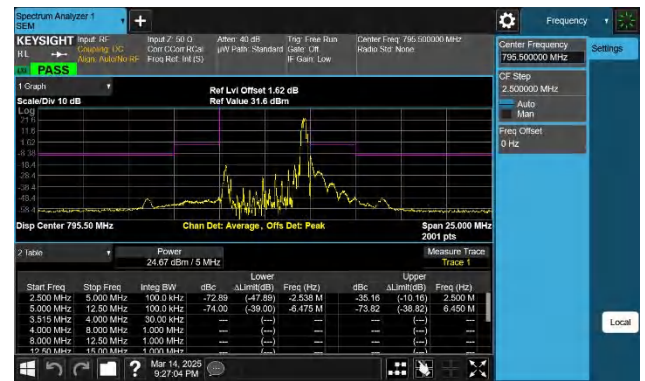
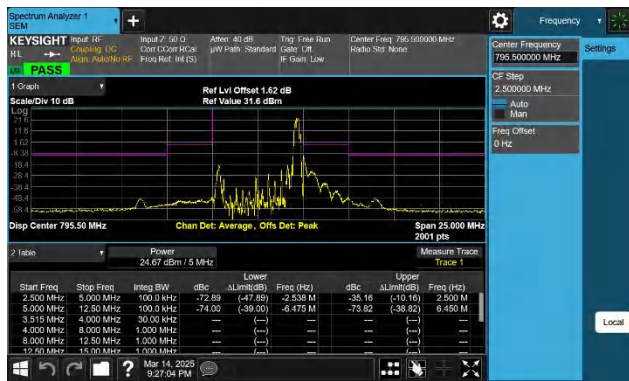
NTNV-Band14-5MHz-QPSK-23355-25RB#0--12.50--5.00-PASS

NTNV-Band14-5MHz-QPSK-23355-25RB#0--5.00--2.50-PASS



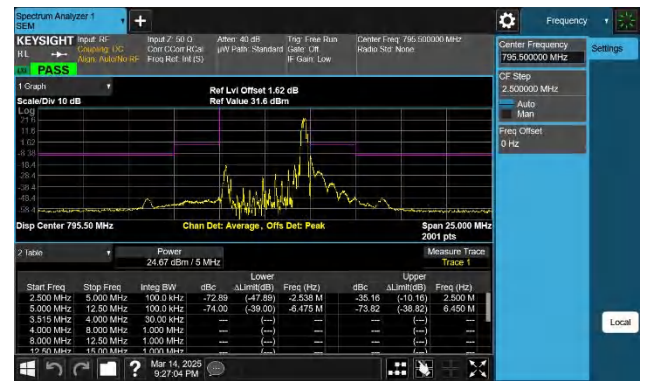
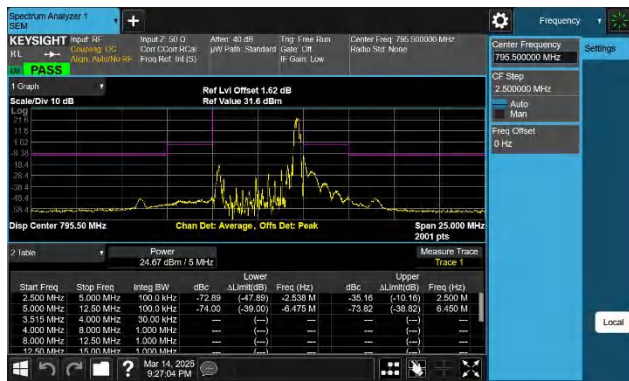
NTNV-Band14-5MHz-QPSK-23355-25RB#0--2.50-2.50-PASS

NTNV-Band14-5MHz-QPSK-23355-25RB#0-5.00-12.50-PASS



NTNV-Band14-5MHz-QPSK-23355-1RB#24--12.50--5.00-PASS

NTNV-Band14-5MHz-QPSK-23355-1RB#24--5.00--2.50-PASS



NTNV-Band14-5MHz-QPSK-23355-1RB#24--2.50-2.50-PASS

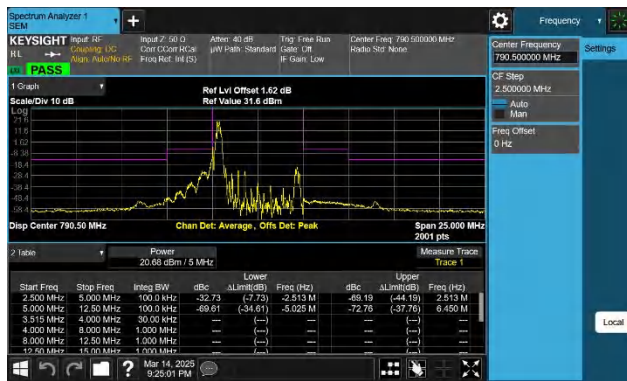
NTNV-Band14-5MHz-QPSK-23355-1RB#24-5.00-12.50-PASS



NTNV-Band14-5MHz-16QAM-23305-1RB#0--12.50--5.00-PASS

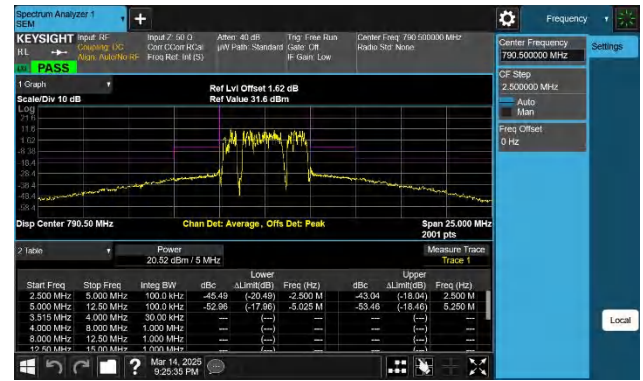
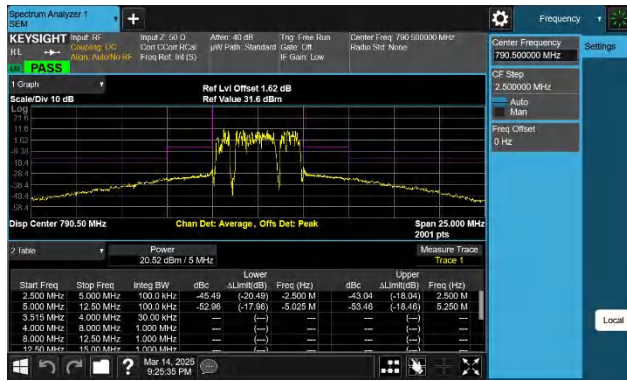


NTNV-Band14-5MHz-16QAM-23305-1RB#0--5.00--2.50-PASS



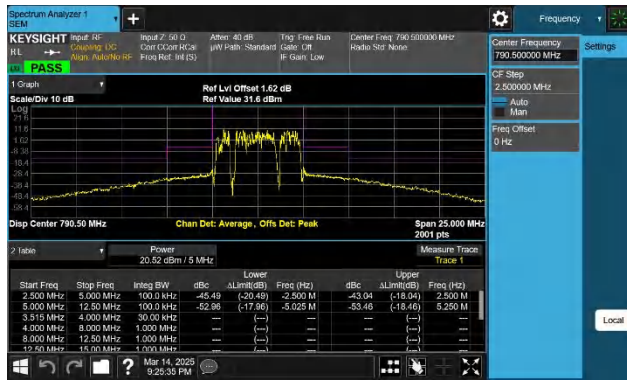
NTNV-Band14-5MHz-16QAM-23305-1RB#0-2.50-5.00-PASS

NTNV-Band14-5MHz-16QAM-23305-1RB#0-5.00-12.50-PASS

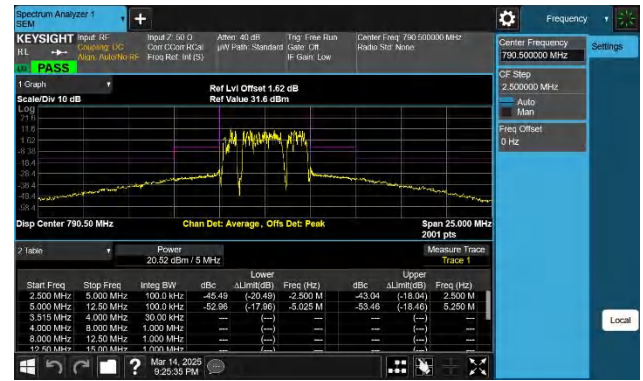


NTNV-Band14-5MHz-16QAM-23305-25RB#0--12.50--5.00-PASS

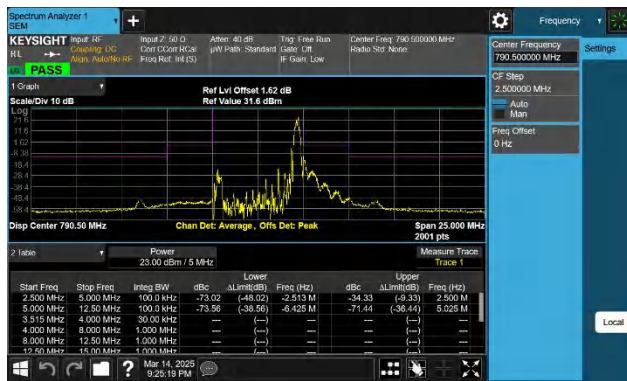
NTNV-Band14-5MHz-16QAM-23305-25RB#0--5.00--2.50-PASS



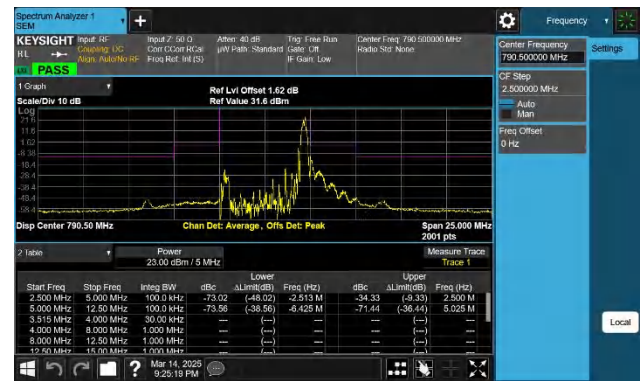
NTNV-Band14-5MHz-16QAM-23305-25RB#0--2.50-2.50-PASS



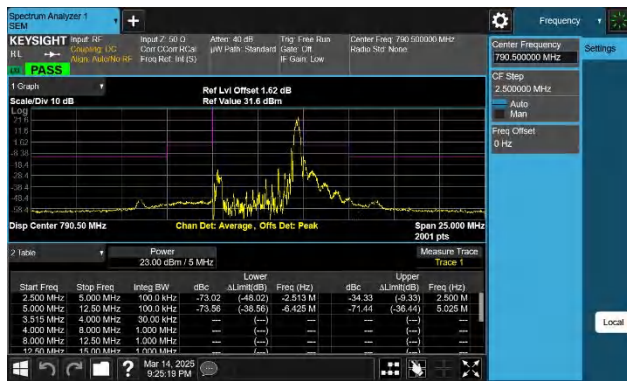
NTNV-Band14-5MHz-16QAM-23305-25RB#0-5.00-12.50-PASS



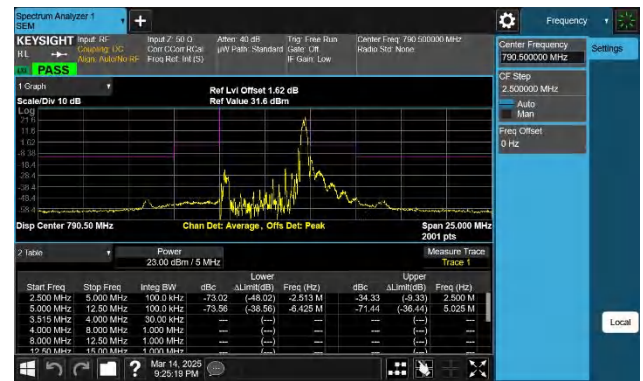
NTNV-Band14-5MHz-16QAM-23305-1RB#24--12.50--5.00-PASS



NTNV-Band14-5MHz-16QAM-23305-1RB#24--5.00--2.50-PASS



NTNV-Band14-5MHz-16QAM-23305-1RB#24--2.50-2.50-PASS



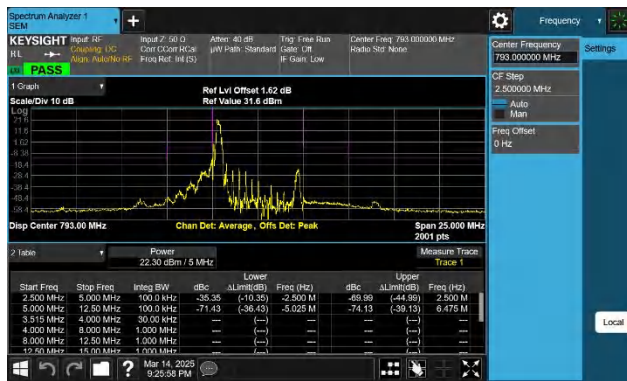
NTNV-Band14-5MHz-16QAM-23305-1RB#24-5.00-12.50-PASS



NTNV-Band14-5MHz-16QAM-23330-1RB#0--12.50--5.00-PASS



NTNV-Band14-5MHz-16QAM-23330-1RB#0--5.00--2.50-PASS



NTNV-Band14-5MHz-16QAM-23330-1RB#0--2.50-2.50-PASS



NTNV-Band14-5MHz-16QAM-23330-1RB#0-5.00-12.50-PASS



NTNV-Band14-5MHz-16QAM-23330-25RB#0--12.50--5.00-PASS

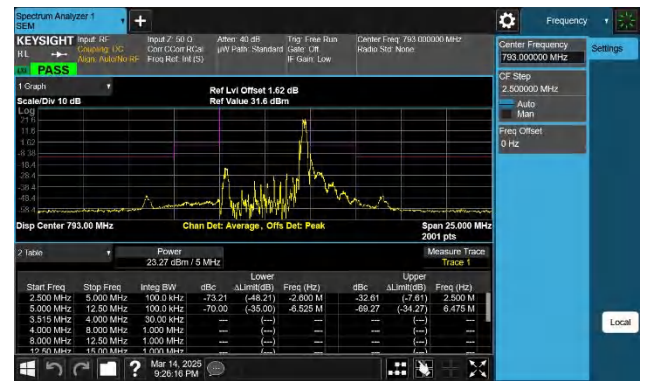
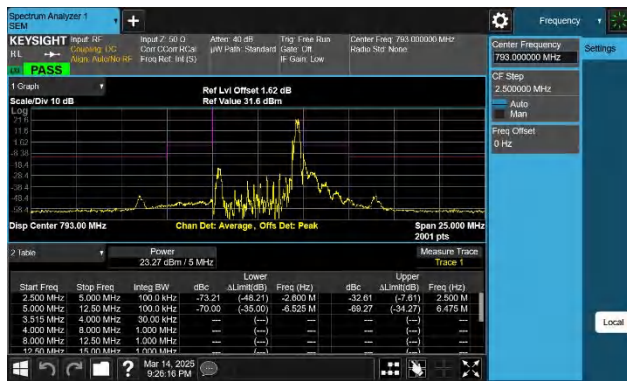


NTNV-Band14-5MHz-16QAM-23330-25RB#0--5.00--2.50-PASS



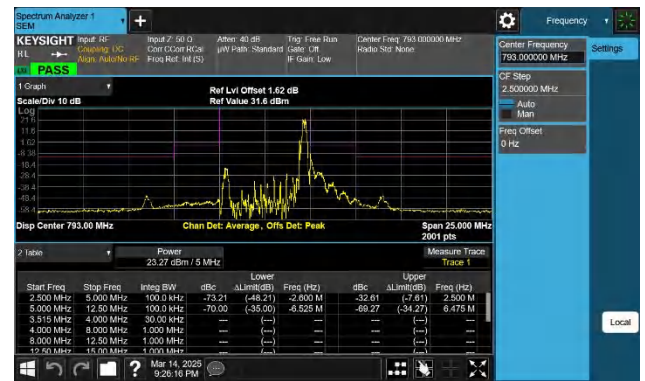
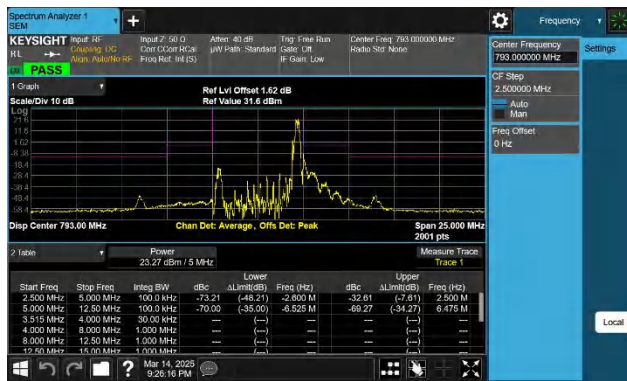
NTNV-Band14-5MHz-16QAM-23330-25RB#0--2.50-2.50-PASS

NTNV-Band14-5MHz-16QAM-23330-25RB#0-5.00-12.50-PASS



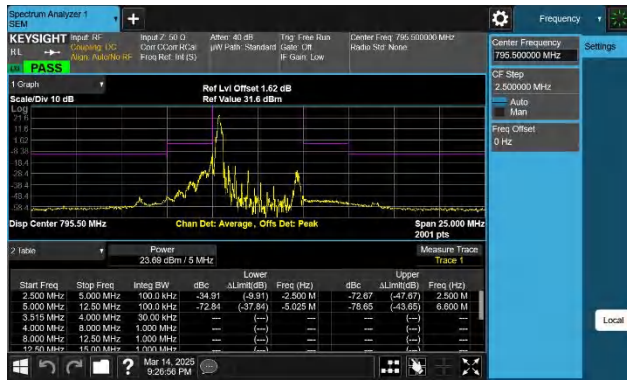
NTNV-Band14-5MHz-16QAM-23330-1RB#24--12.50--5.00-PASS

NTNV-Band14-5MHz-16QAM-23330-1RB#24--5.00--2.50-PASS



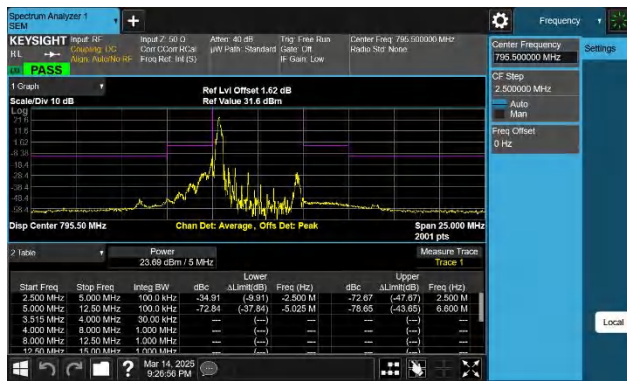
NTNV-Band14-5MHz-16QAM-23330-1RB#24--2.50-2.50-PASS

NTNV-Band14-5MHz-16QAM-23330-1RB#24-5.00-12.50-PASS



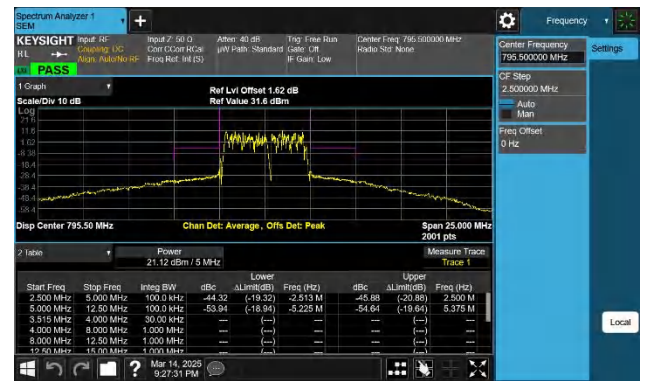
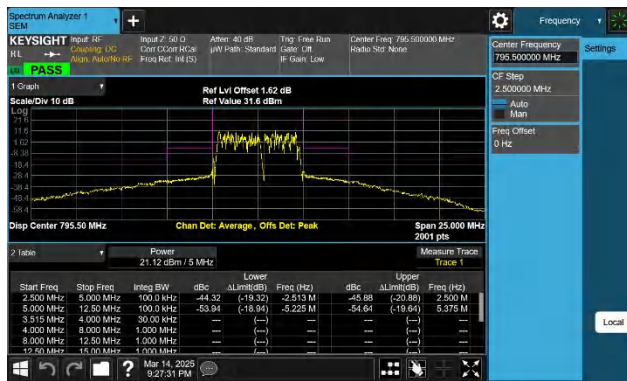
NTNV-Band14-5MHz-16QAM-23355-1RB#0--12.50--5.00-PASS

NTNV-Band14-5MHz-16QAM-23355-1RB#0--5.00--2.50-PASS



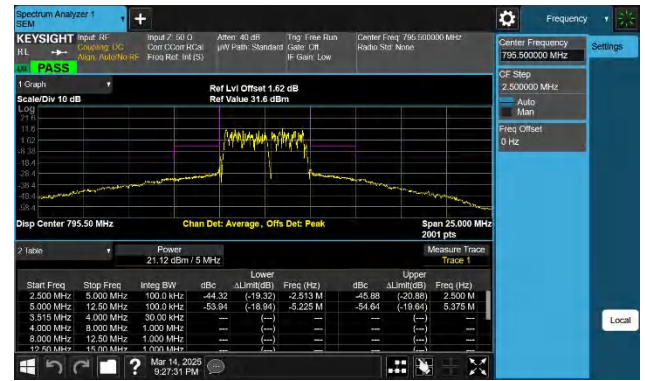
NTNV-Band14-5MHz-16QAM-23355-1RB#0--2.50-2.50-PASS

NTNV-Band14-5MHz-16QAM-23355-1RB#0-5.00-12.50-PASS



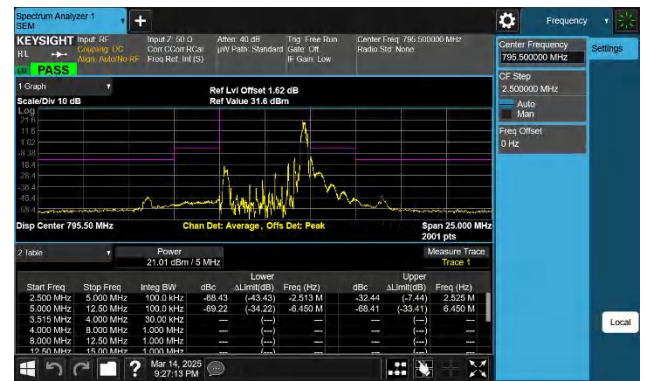
NTNV-Band14-5MHz-16QAM-23355-25RB#0--12.50--5.00-PASS

NTNV-Band14-5MHz-16QAM-23355-25RB#0--5.00--2.50-PASS



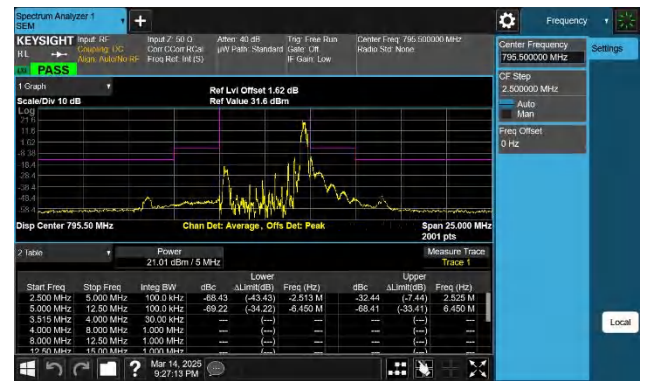
NTNV-Band14-5MHz-16QAM-23355-25RB#0--2.50-2.50-PASS

NTNV-Band14-5MHz-16QAM-23355-25RB#0-5.00-12.50-PASS



NTNV-Band14-5MHz-16QAM-23355-1RB#24--12.50--5.00-PASS

NTNV-Band14-5MHz-16QAM-23355-1RB#24--5.00--2.50-PASS



NTNV-Band14-5MHz-16QAM-23355-1RB#24-2.50-5.00-PASS

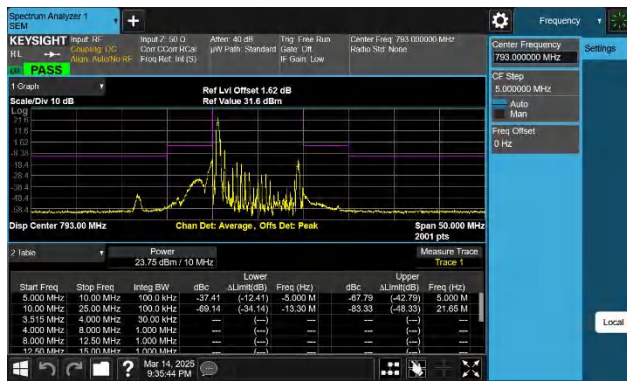
NTNV-Band14-5MHz-16QAM-23355-1RB#24-5.00-12.50-PASS



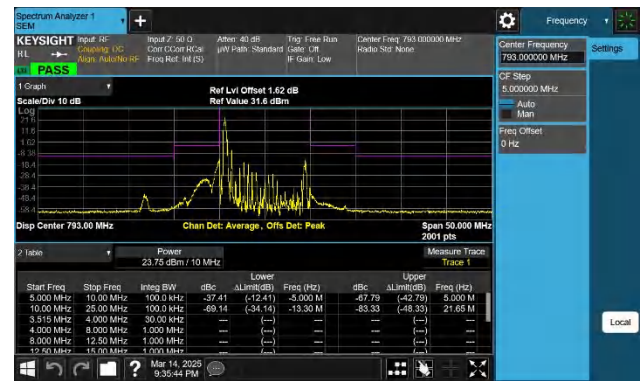
NTNV-Band14-10MHz-QPSK-23330-1RB#0--25.00--10.00-PASS



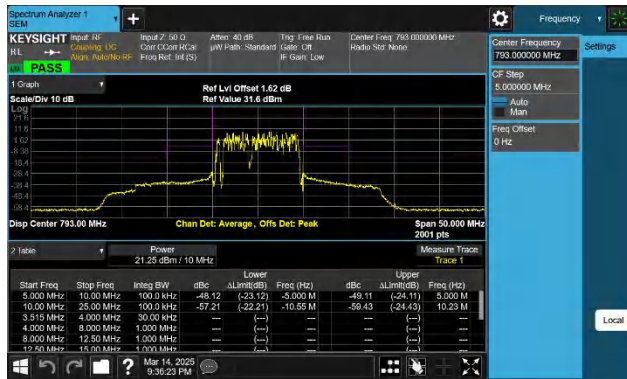
NTNV-Band14-10MHz-QPSK-23330-1RB#0--10.00--5.00-PASS



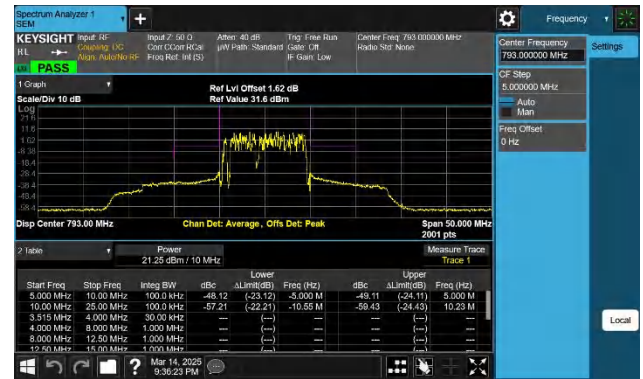
NTNV-Band14-10MHz-QPSK-23330-1RB#0--5.00-5.00-PASS



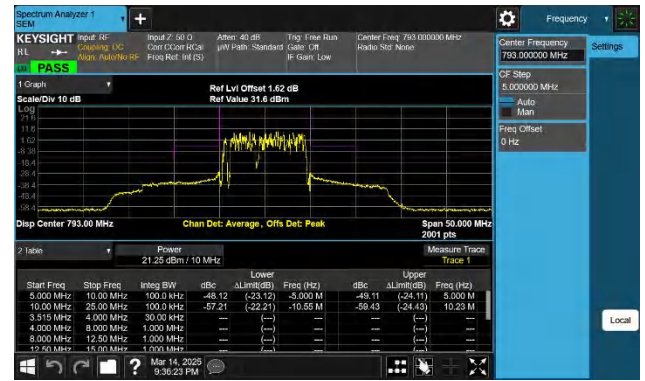
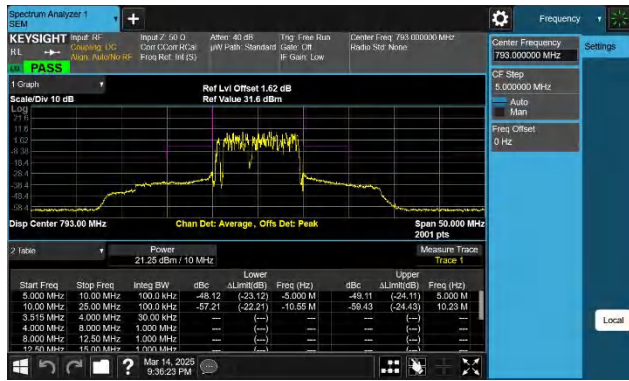
NTNV-Band14-10MHz-QPSK-23330-1RB#0-10.00-25.00-PASS



NTNV-Band14-10MHz-QPSK-23330-50RB#0--25.00--10.00-PASS

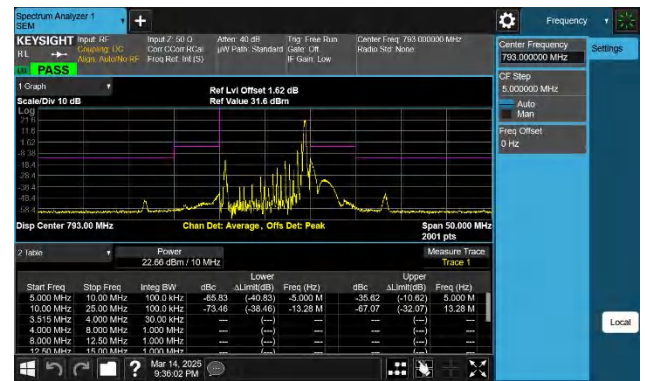
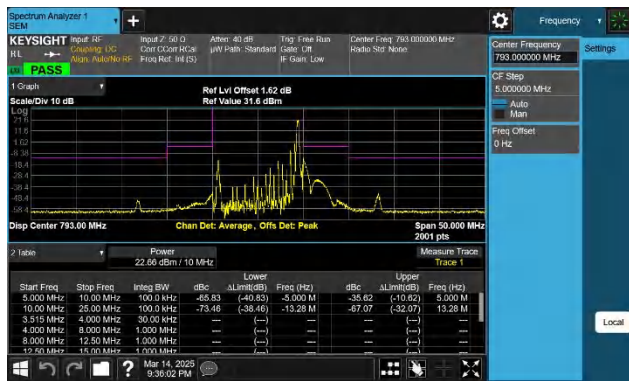


NTNV-Band14-10MHz-QPSK-23330-50RB#0--10.00--5.00-PASS



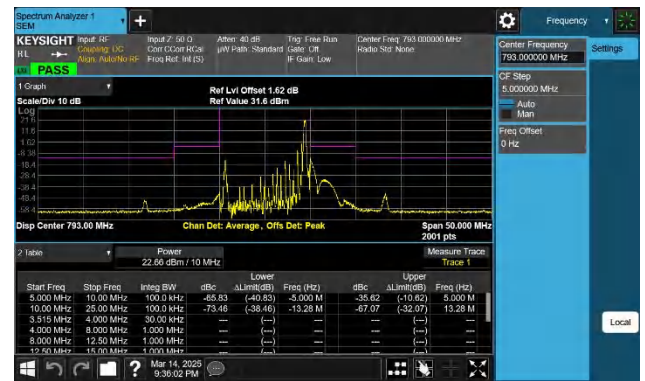
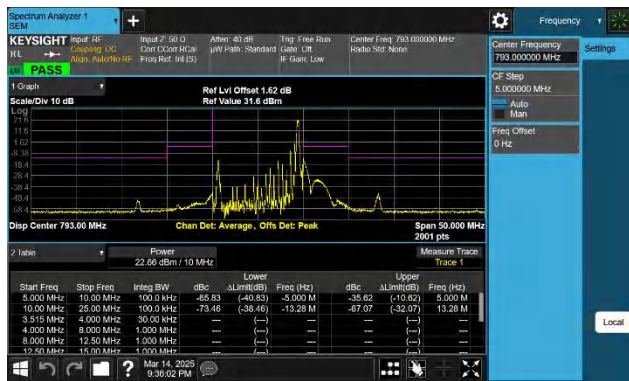
NTNV-Band14-10MHz-QPSK-23330-50RB#0--5.00-5.00-PASS

NTNV-Band14-10MHz-QPSK-23330-50RB#0-10.00-25.00-PASS



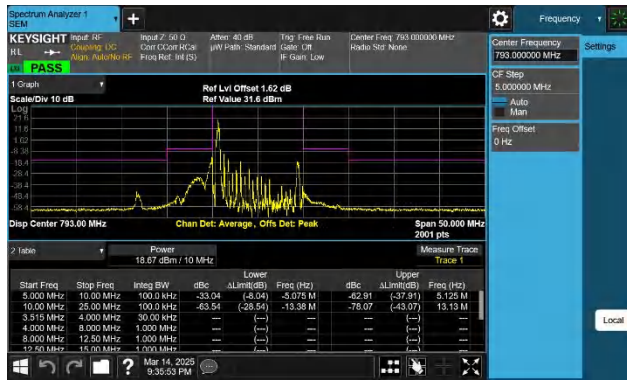
NTNV-Band14-10MHz-QPSK-23330-1RB#49--25.00--10.00-PASS

NTNV-Band14-10MHz-QPSK-23330-1RB#49-10.00--5.00-PASS

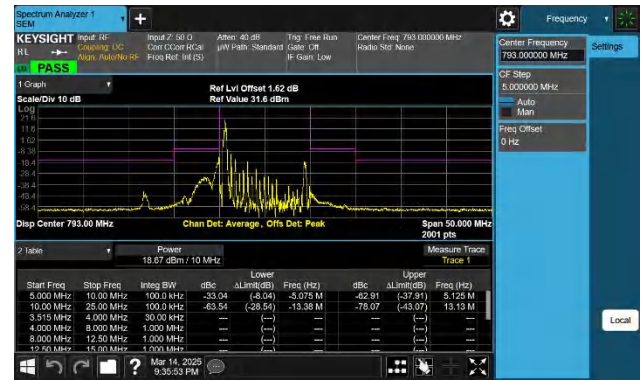


NTNV-Band14-10MHz-QPSK-23330-1RB#49--5.00-5.00-PASS

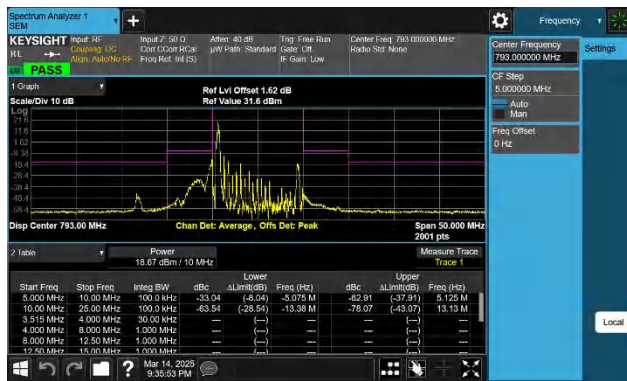
NTNV-Band14-10MHz-QPSK-23330-1RB#49-10.00-25.00-PASS



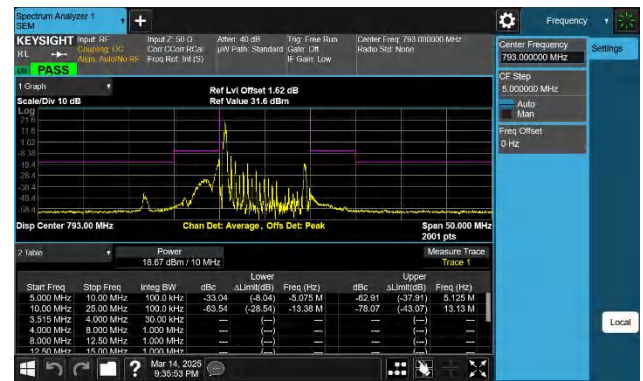
NTNV-Band14-10MHz-16QAM-23330-1RB#0--25.00--10.00-PASS



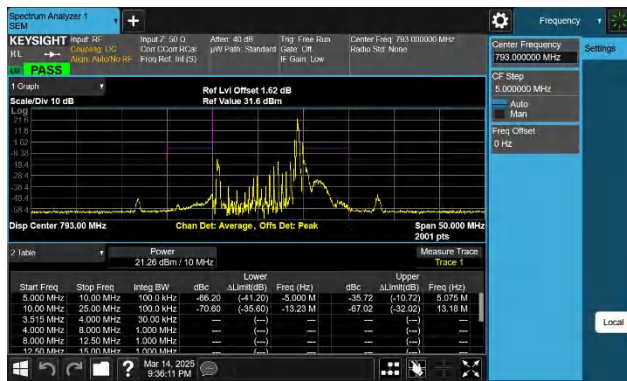
NTNV-Band14-10MHz-16QAM-23330-1RB#0--10.00--5.00-PASS



NTNV-Band14-10MHz-16QAM-23330-1RB#0-5.00-10.00-PASS



NTNV-Band14-10MHz-16QAM-23330-1RB#0-10.00-25.00-PASS



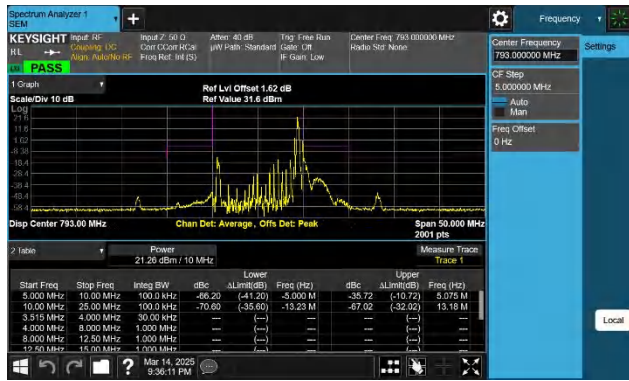
NTNV-Band14-10MHz-16QAM-23330-1RB#49--25.00--10.00-PAS

S

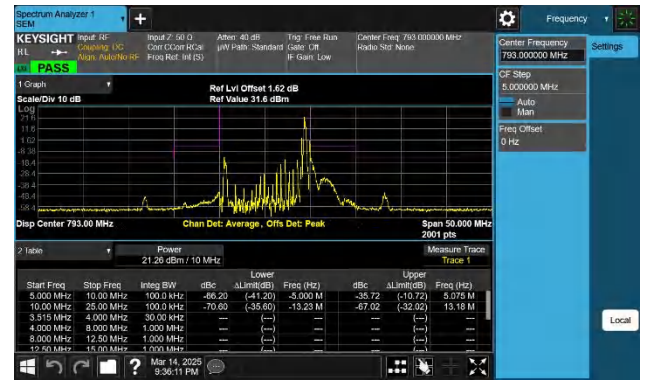


NTNV-Band14-10MHz-16QAM-23330-1RB#49--10.00--5.00-PAS

S



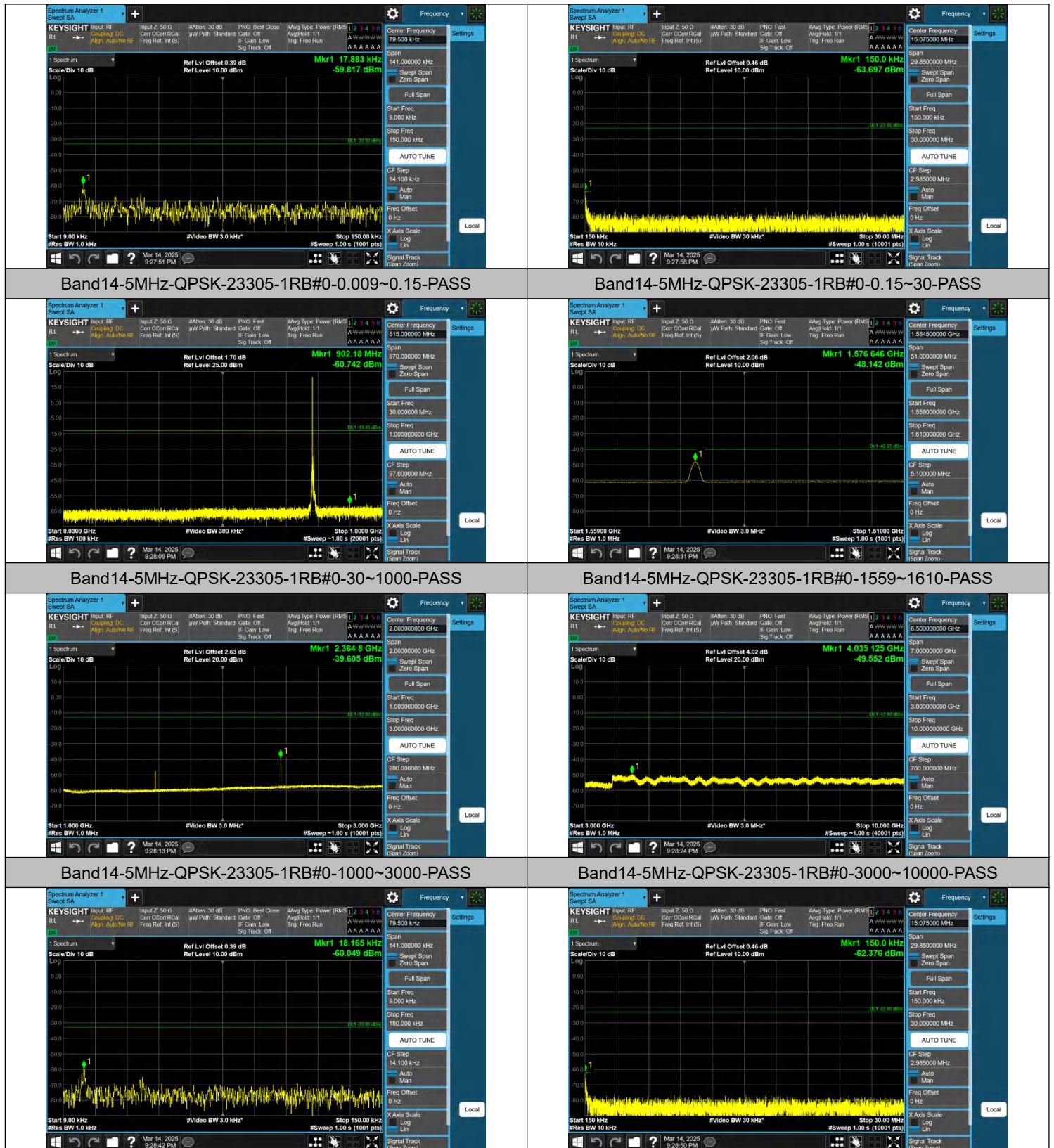
NTNV-Band14-10MHz-16QAM-23330-1RB#49-5.00-10.00-PASS



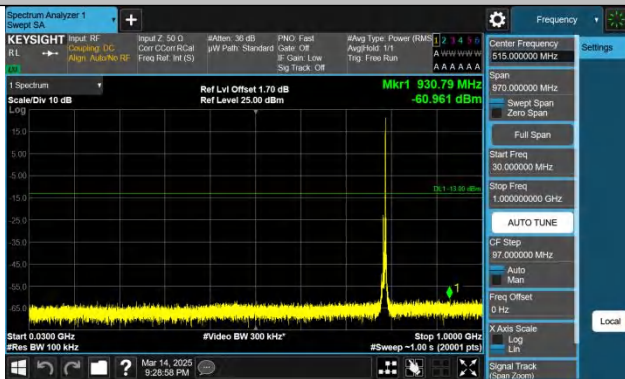
NTNV-Band14-10MHz-16QAM-23330-1RB#49-10.00-25.00-PASS

Conducted Spurious Emission

Test Graphs



Band14-5MHz-QPSK-23305-1RB#24-0.009~0.15-PASS



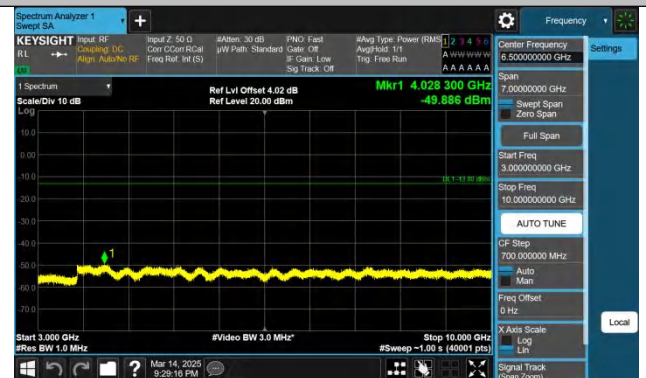
Band14-5MHz-QPSK-23305-1RB#24-0.15~30-PASS



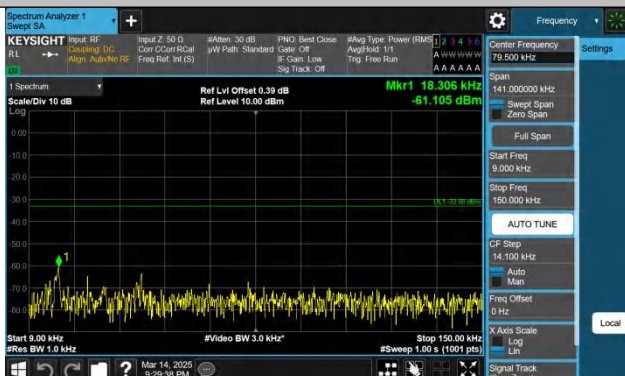
Band14-5MHz-QPSK-23305-1RB#24-30~1000-PASS



Band14-5MHz-QPSK-23305-1RB#24-1559~1610-PASS



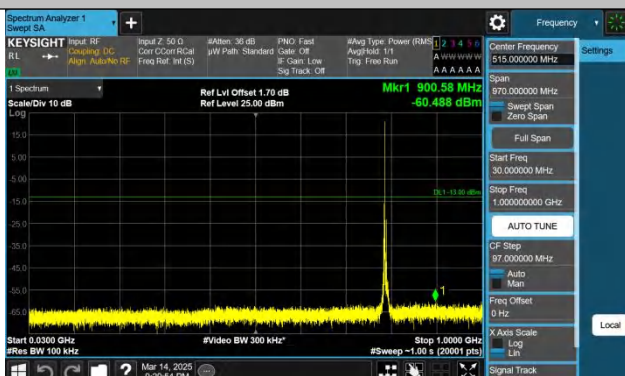
Band14-5MHz-QPSK-23305-1RB#24-1000~3000-PASS



Band14-5MHz-QPSK-23305-1RB#24-3000~10000-PASS



Band14-5MHz-QPSK-23330-1RB#0-0.009~0.15-PASS

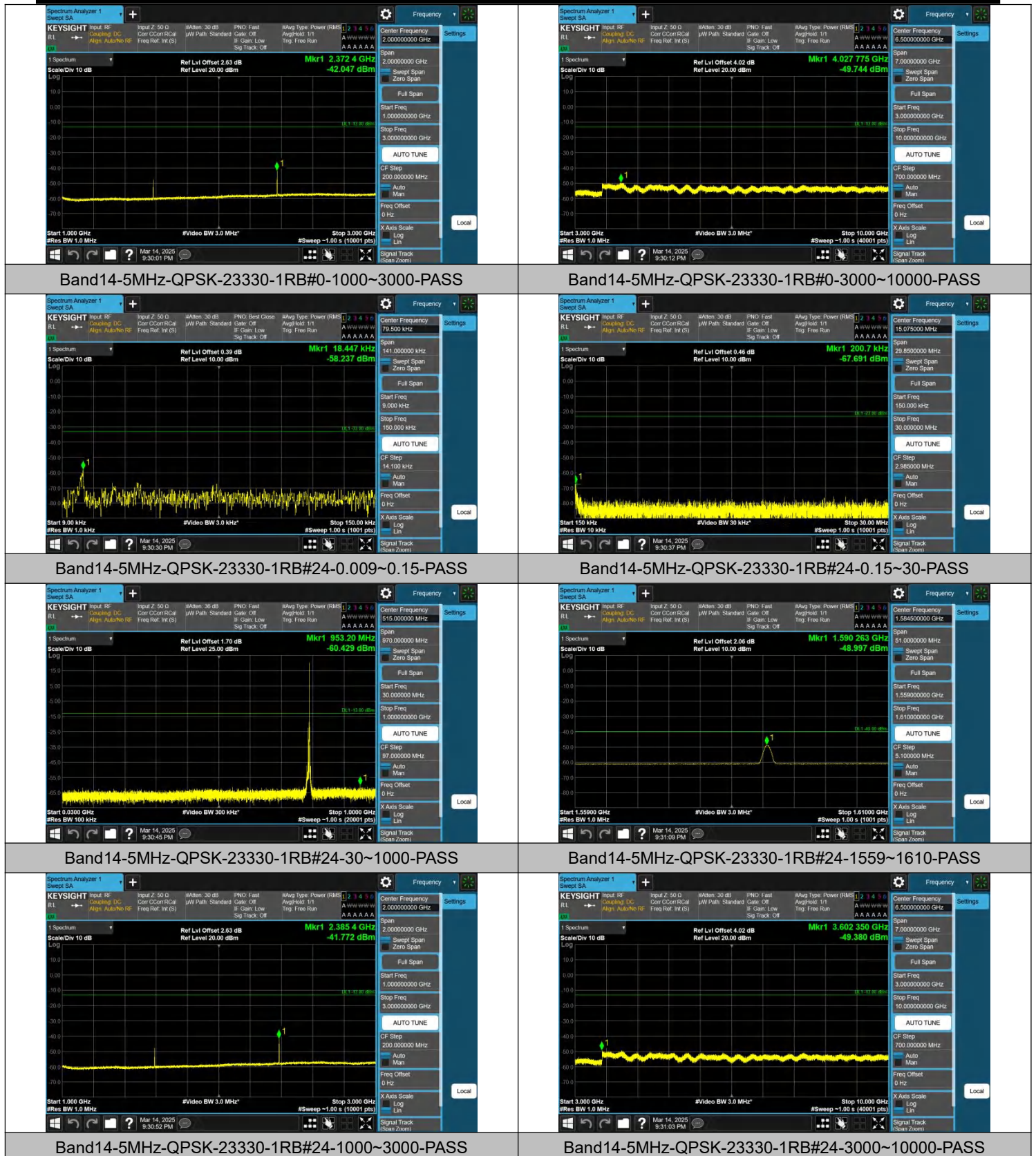


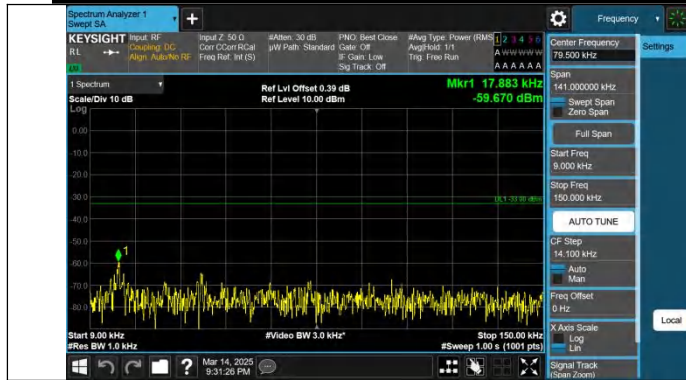
Band14-5MHz-QPSK-23330-1RB#0-0.15~30-PASS



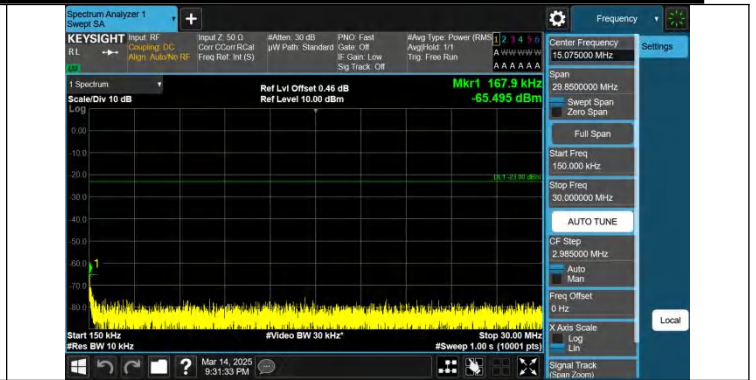
Band14-5MHz-QPSK-23330-1RB#0-30~1000-PASS

Band14-5MHz-QPSK-23330-1RB#0-1559~1610-PASS

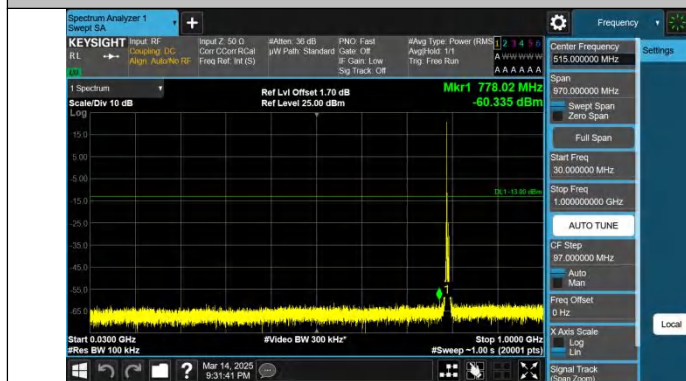




Band14-5MHz-QPSK-23355-1RB#0-0.009~0.15-PASS



Band14-5MHz-QPSK-23355-1RB#0-0.15~30-PASS



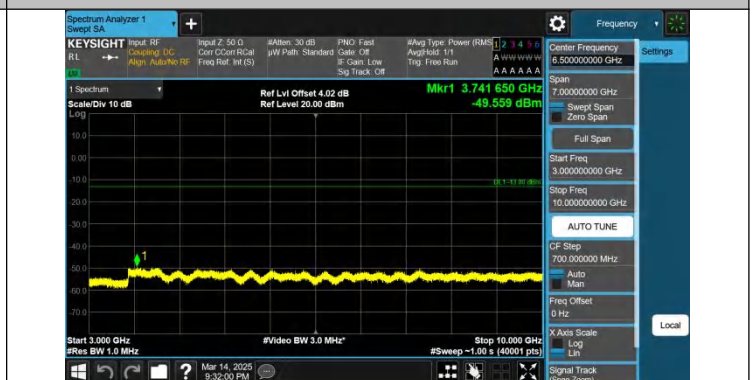
Band14-5MHz-QPSK-23355-1RB#0-30~1000-PASS



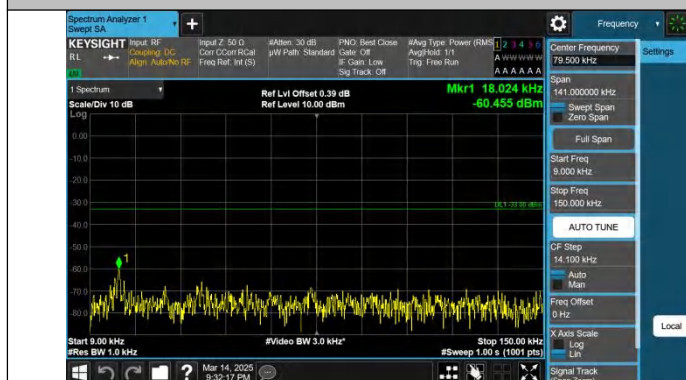
Band14-5MHz-QPSK-23355-1RB#0-1559~1610-PASS



Band14-5MHz-QPSK-23355-1RB#0-1000~3000-PASS



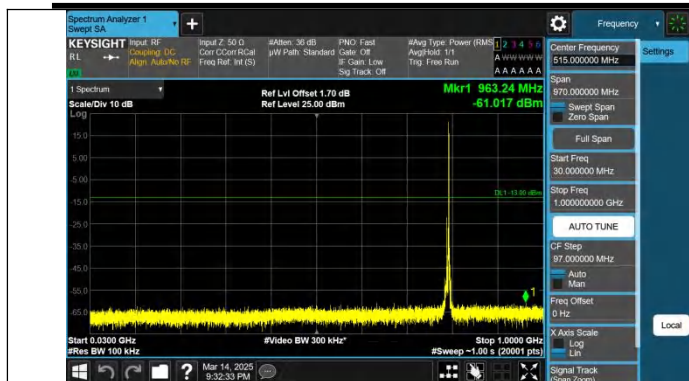
Band14-5MHz-QPSK-23355-1RB#0-3000~10000-PASS



Band14-5MHz-QPSK-23355-1RB#24-0.009~0.15-PASS



Band14-5MHz-QPSK-23355-1RB#24-0.15~30-PASS



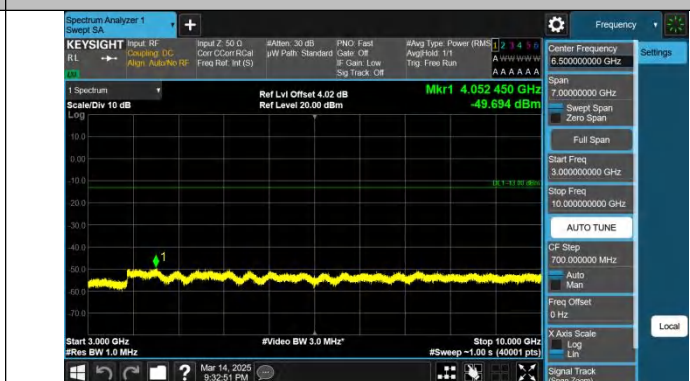
Band14-5MHz-QPSK-23355-1RB#24-30~1000-PASS



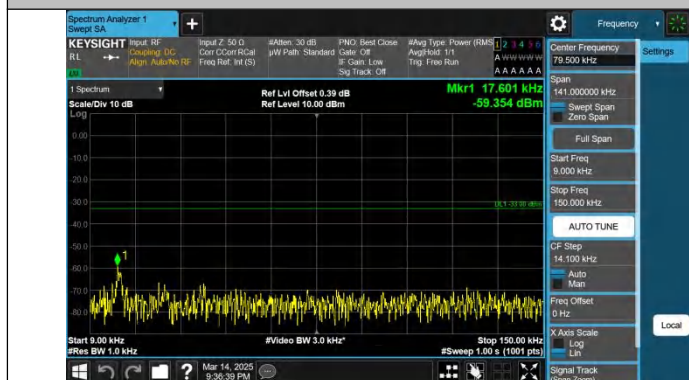
Band14-5MHz-QPSK-23355-1RB#24-1559~1610-PASS



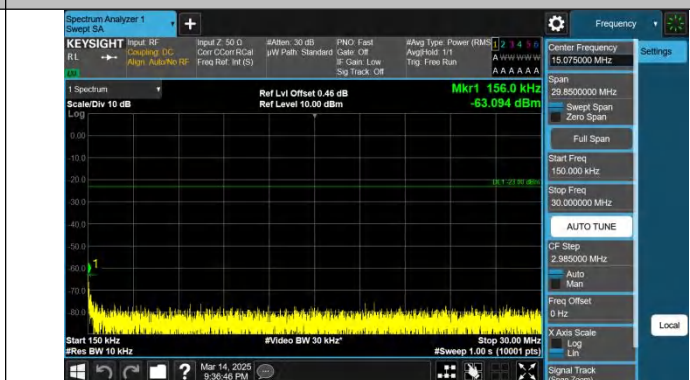
Band14-5MHz-QPSK-23355-1RB#24-1000~3000-PASS



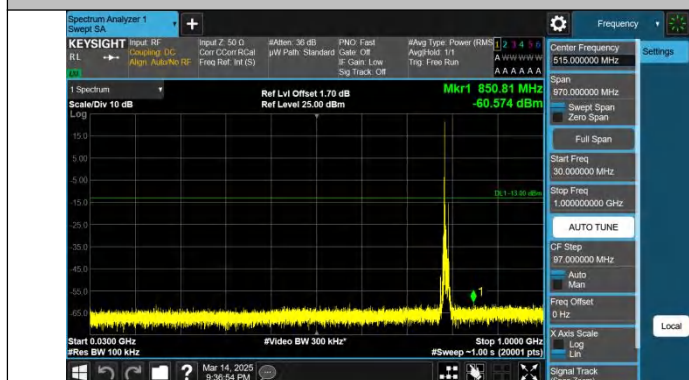
Band14-5MHz-QPSK-23355-1RB#24-3000~10000-PASS



Band14-10MHz-QPSK-23330-1RB#0-0.009~0.15-PASS



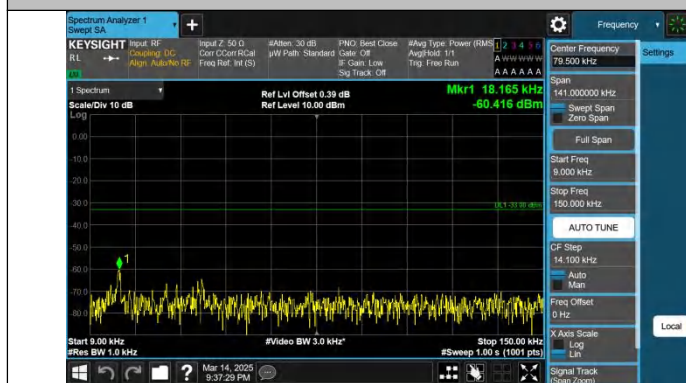
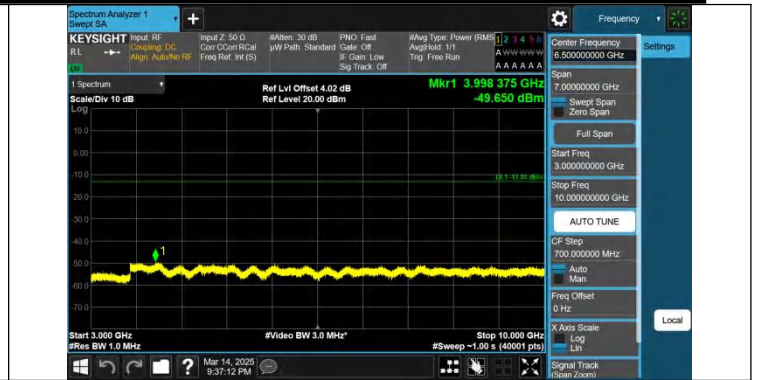
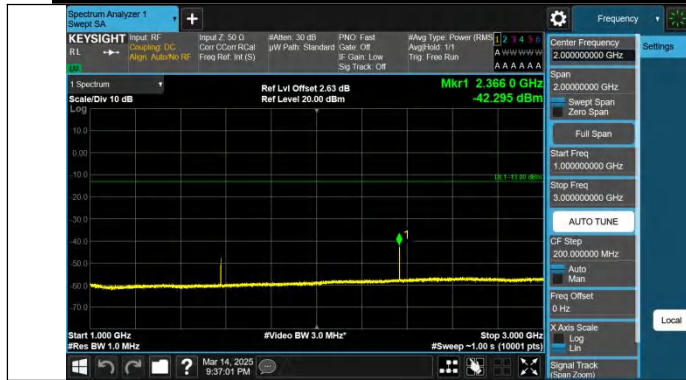
Band14-10MHz-QPSK-23330-1RB#0-0.15~30-PASS



Band14-10MHz-QPSK-23330-1RB#0-30~1000-PASS



Band14-10MHz-QPSK-23330-1RB#0-1559~1610-PASS



Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band14	10MHz	QPSK	23330	50RB#0	VN	NT	-2.30	-0.002900	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	VL	NT	2.37	0.002989	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	VH	NT	3.20	0.004035	±1.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band14	10MHz	QPSK	23330	50RB#0	NV	-30	2.60	0.003279	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-20	2.86	0.003607	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-10	-2.14	-0.002699	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	0	-3.18	-0.004010	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	10	3.65	0.004603	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	20	5.52	0.006961	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	30	3.36	0.004237	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	40	3.87	0.004880	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	50	-1.92	-0.002421	±1.5	PASS

----- THE END -----