

Appendix-A LTE Band 14

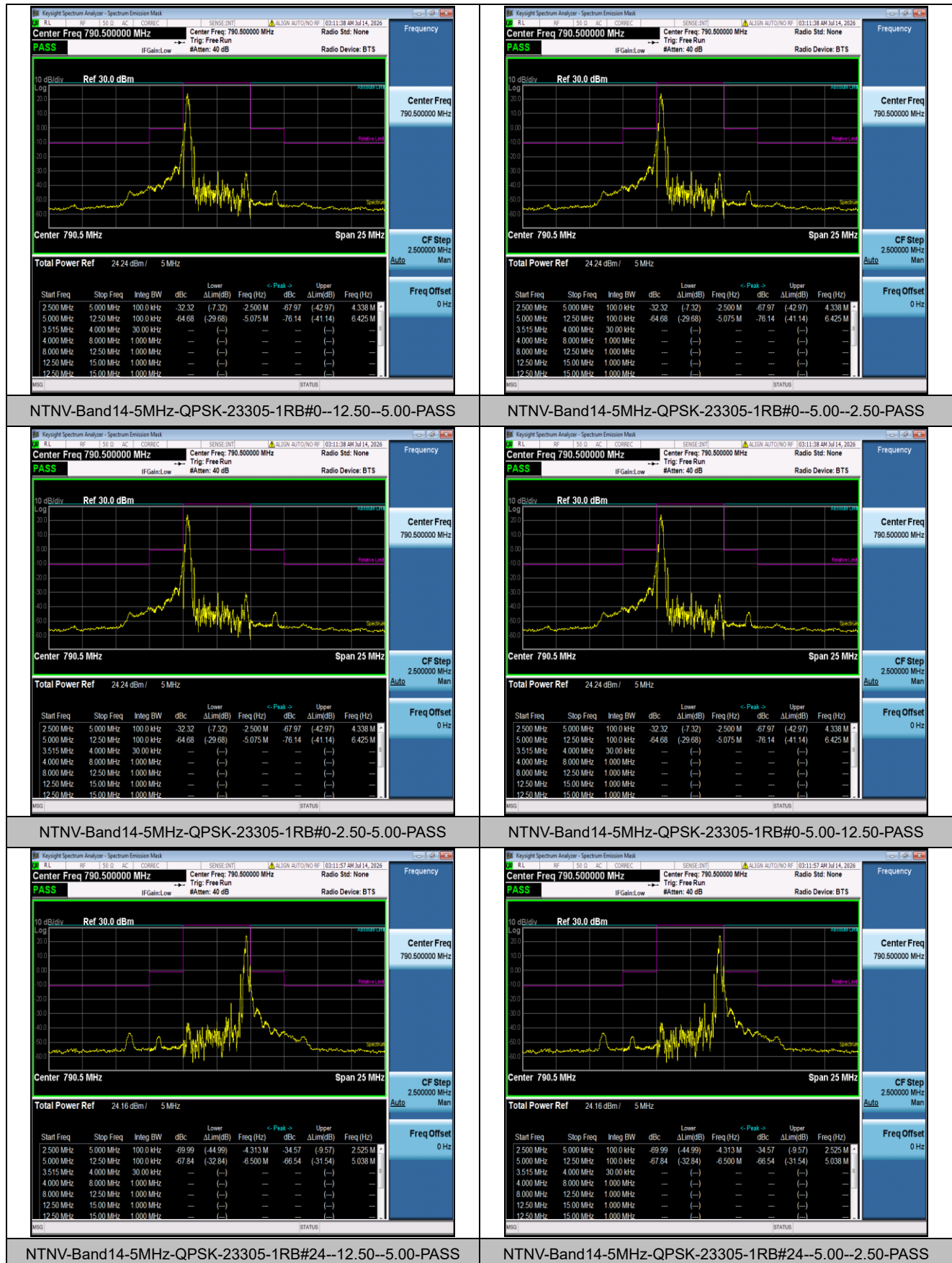
Effective (Isotropic) Radiated Power Output Data

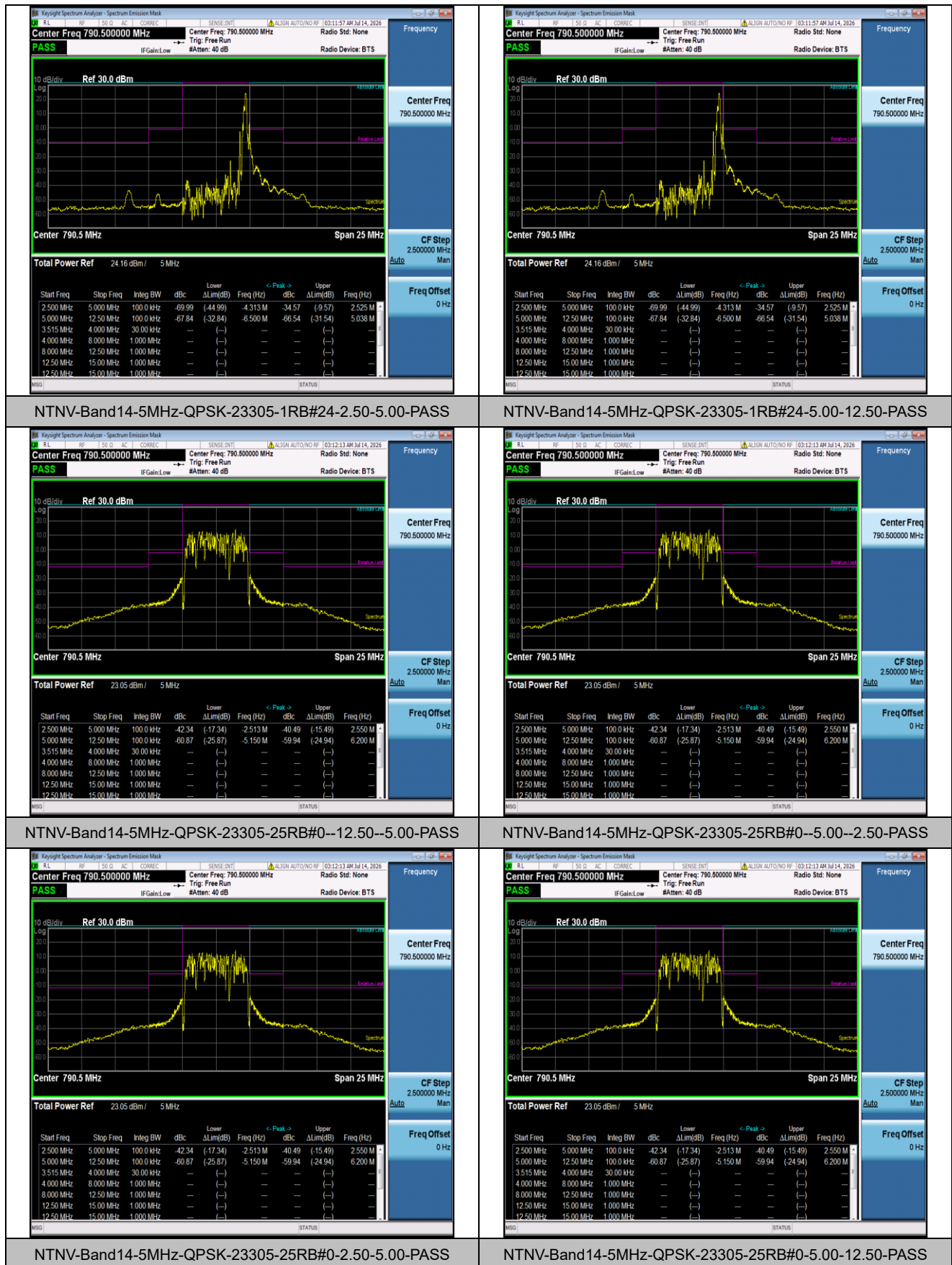
Test Result

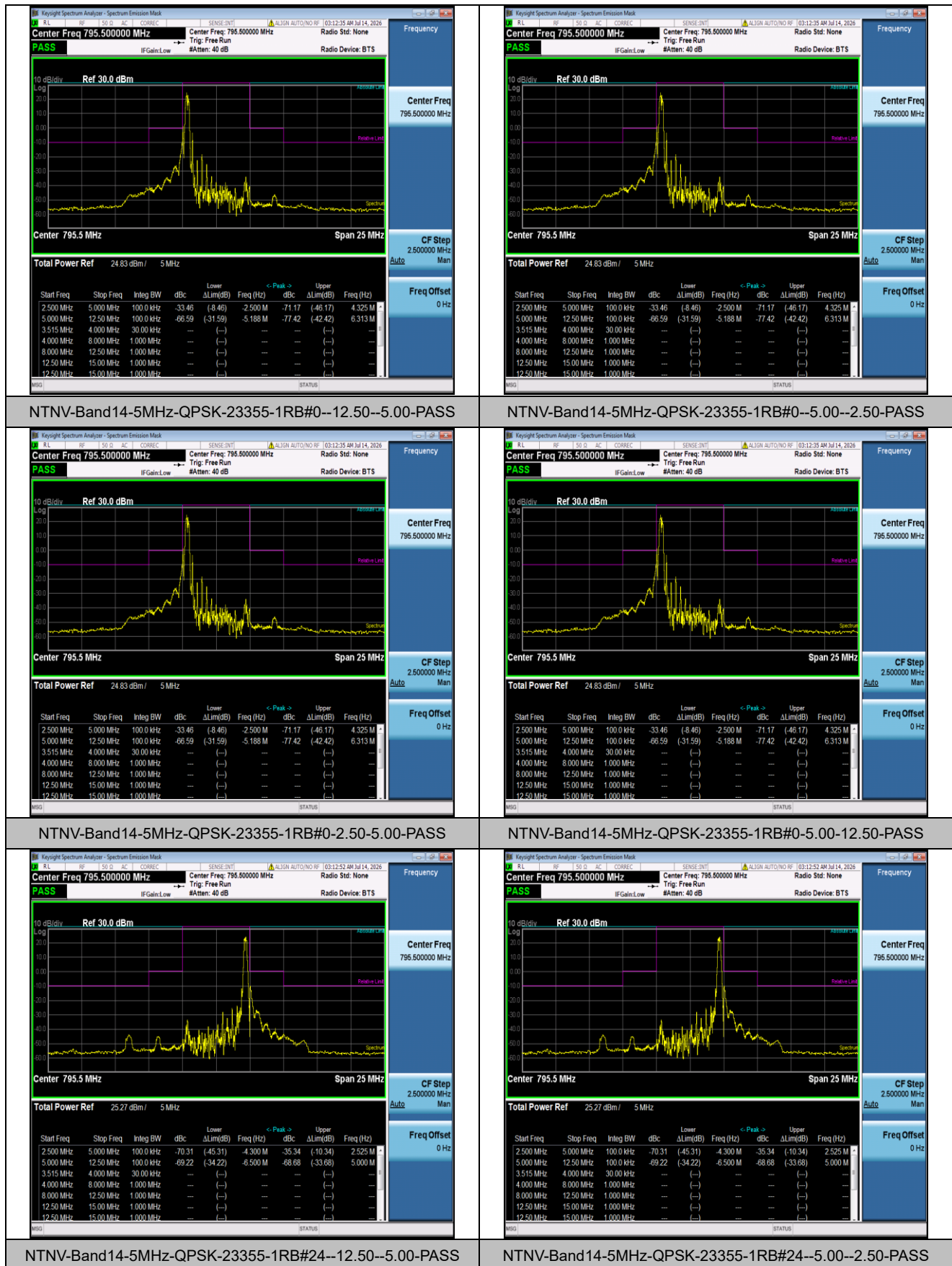
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band14	5MHz	QPSK	23305	1RB#0	24.21	24.56	34.77	PASS
Band14	5MHz	QPSK	23305	1RB#12	23.73	24.08	34.77	PASS
Band14	5MHz	QPSK	23305	1RB#24	24.24	24.59	34.77	PASS
Band14	5MHz	QPSK	23305	25RB#0	23.17	23.52	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#0	24.06	24.41	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#12	24.16	24.51	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#24	24.53	24.88	34.77	PASS
Band14	5MHz	QPSK	23330	25RB#0	23.29	23.64	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#0	24.29	24.64	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#12	24.53	24.88	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#24	24.41	24.76	34.77	PASS
Band14	5MHz	QPSK	23355	25RB#0	23.37	23.72	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#0	23.17	23.52	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#12	22.75	23.1	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#24	22.96	23.31	34.77	PASS
Band14	5MHz	16QAM	23305	25RB#0	22.14	22.49	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#0	23.23	23.58	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#12	23.28	23.63	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#24	23.71	24.06	34.77	PASS
Band14	5MHz	16QAM	23330	25RB#0	22.38	22.73	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#0	23.21	23.56	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#12	23.25	23.6	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#24	23.2	23.55	34.77	PASS
Band14	5MHz	16QAM	23355	25RB#0	22.36	22.71	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#0	24.19	24.54	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#24	24.02	24.37	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#49	24.27	24.62	34.77	PASS
Band14	10MHz	QPSK	23330	50RB#0	23.26	23.61	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#0	23.38	23.73	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#24	23.04	23.39	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#49	23.44	23.79	34.77	PASS
Band14	10MHz	16QAM	23330	27RB#0	22.61	22.96	34.77	PASS

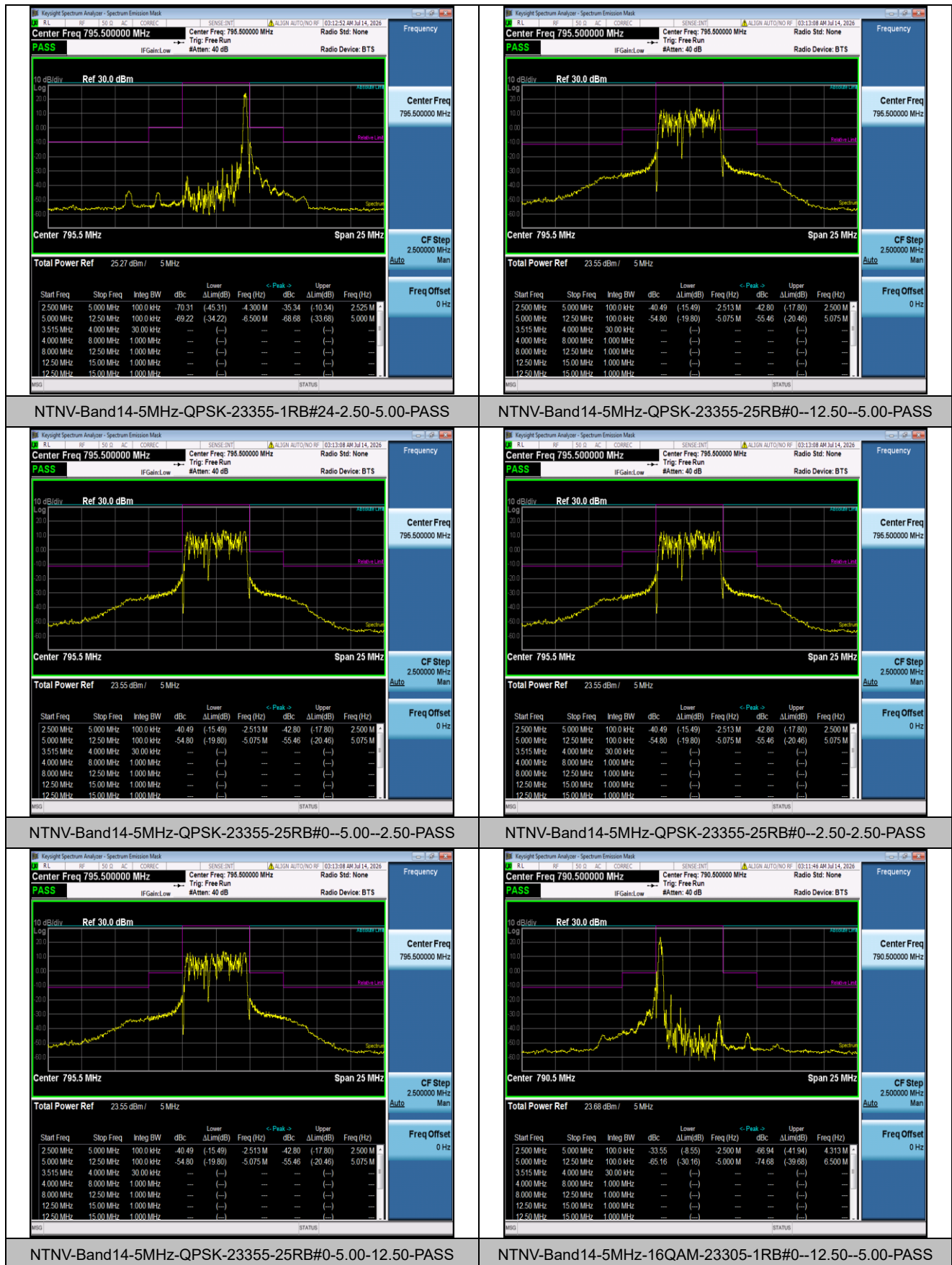
Spectrum_emission_mask

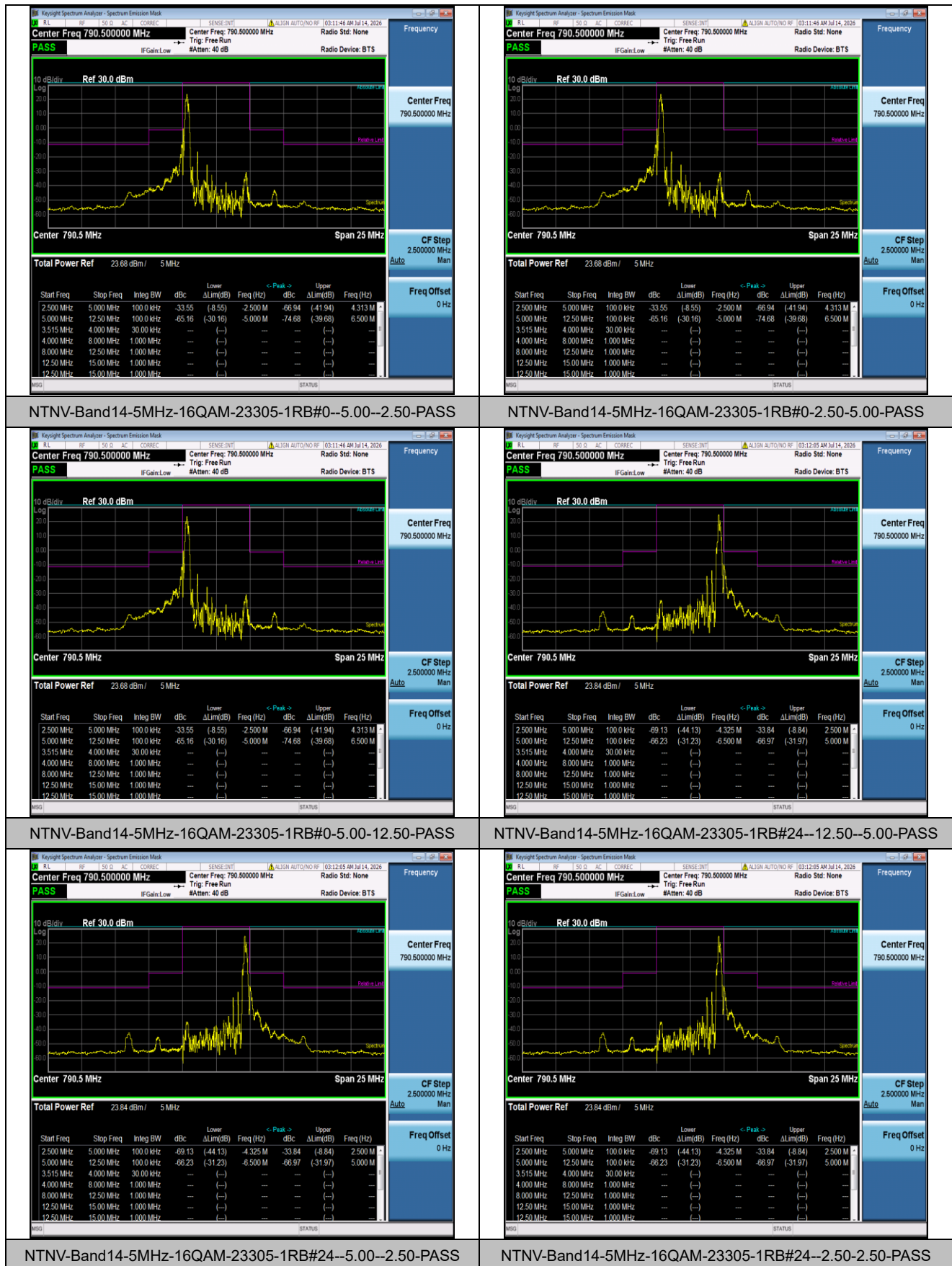
Test Graphs

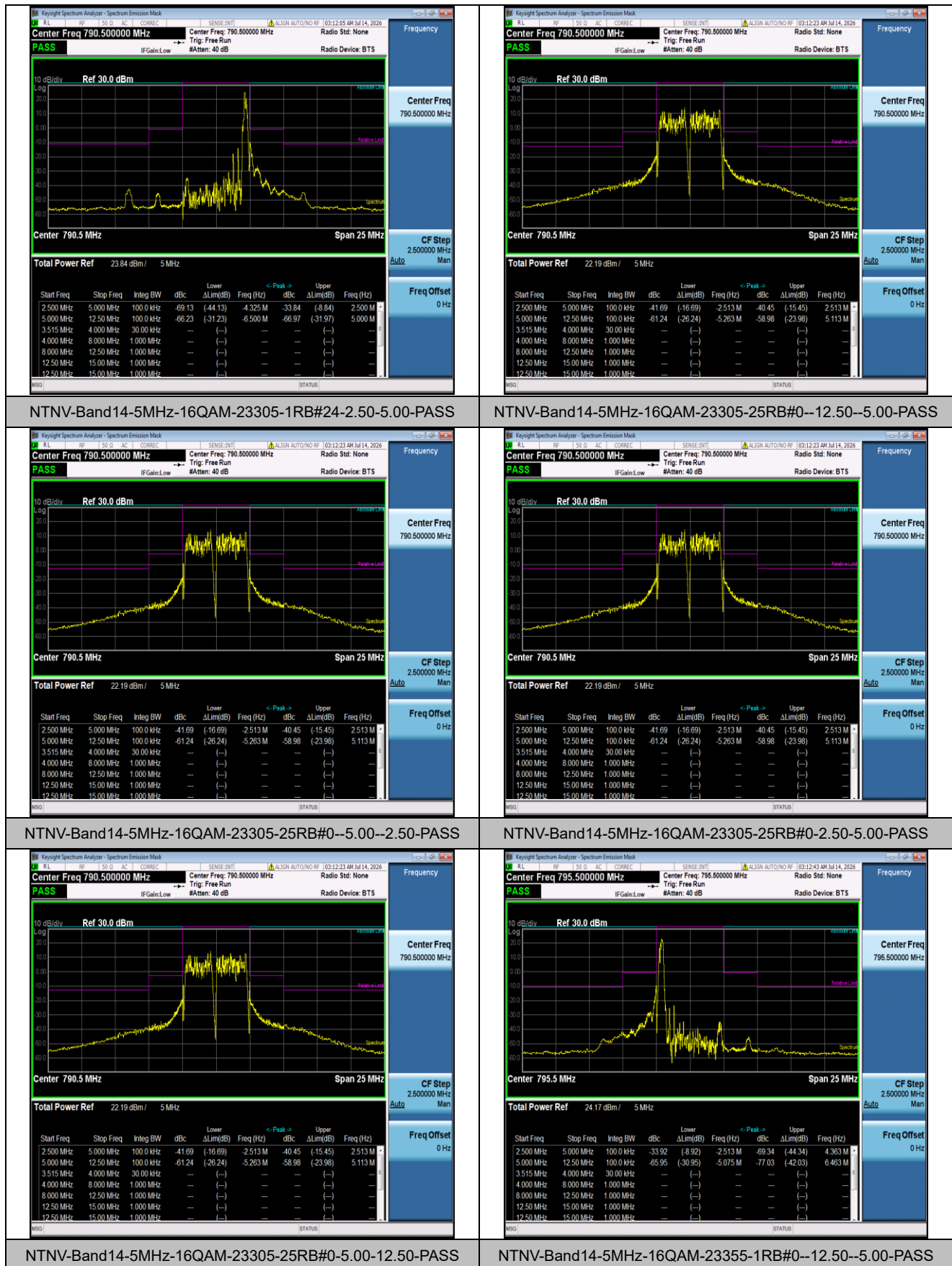


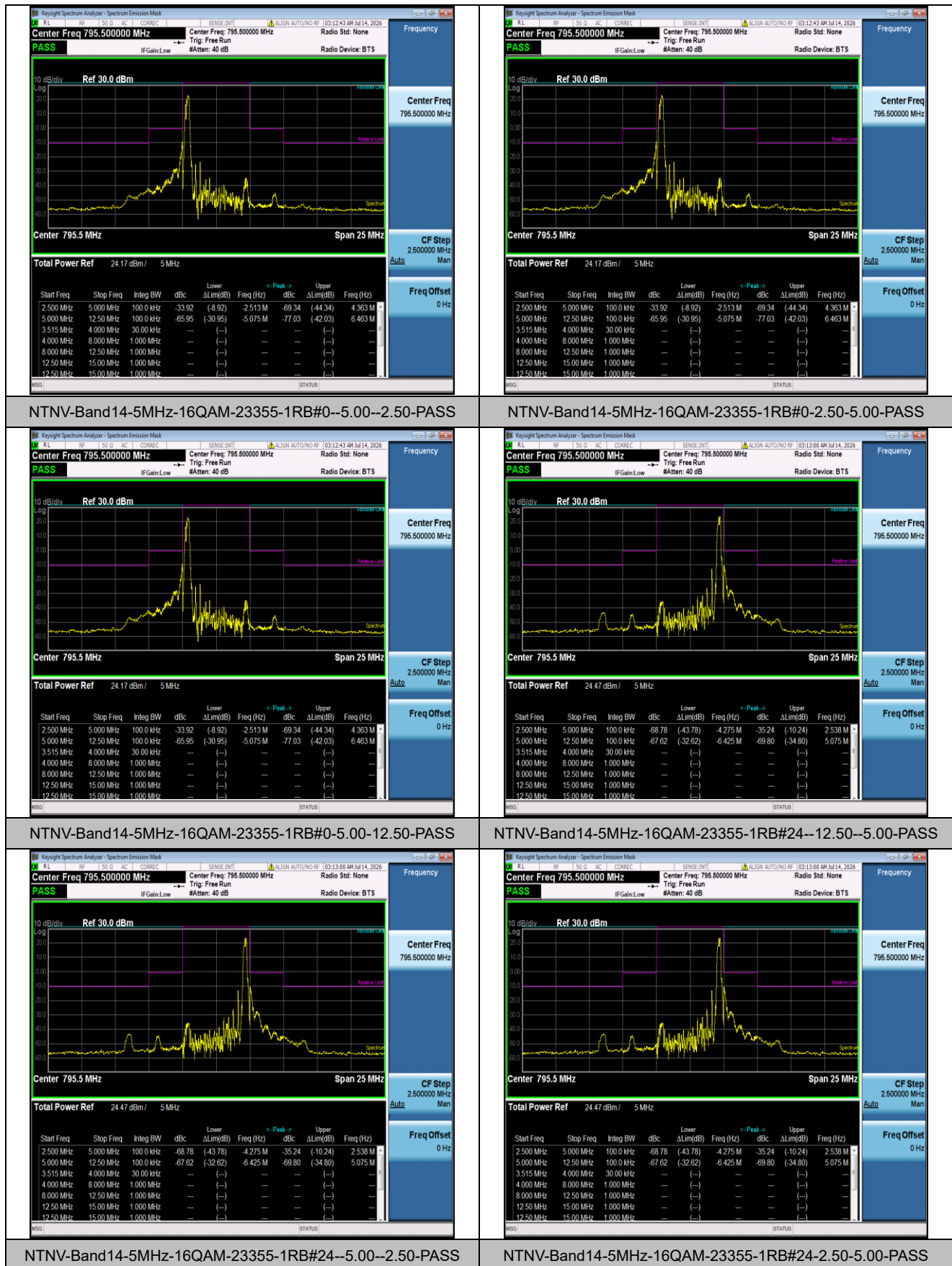






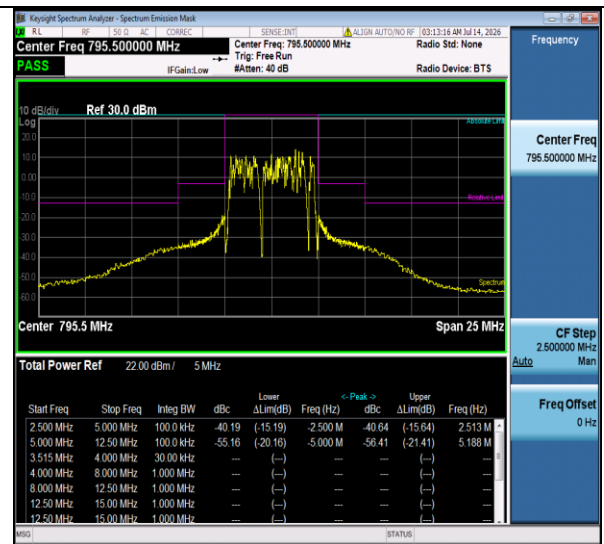








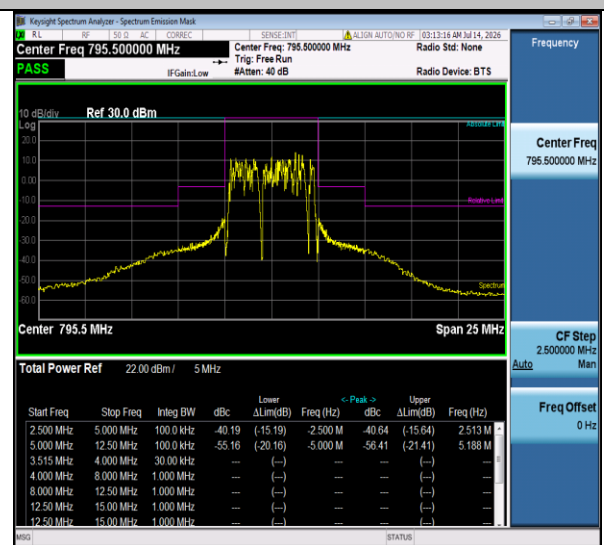
NTNV-Band14-5MHz-16QAM-23355-1RB#24-5.00-12.50-PASS



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



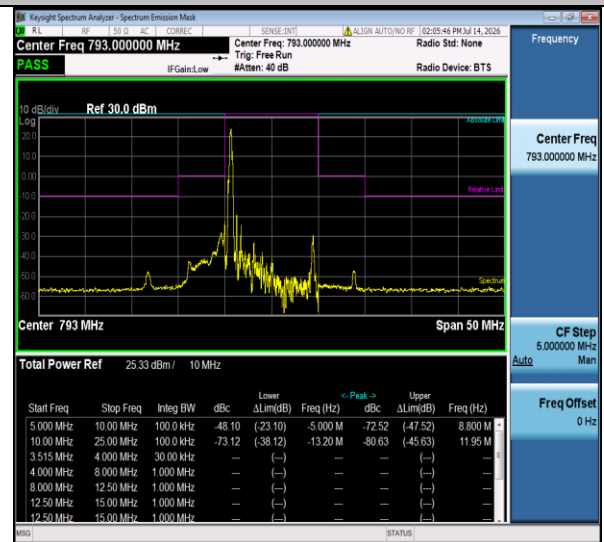
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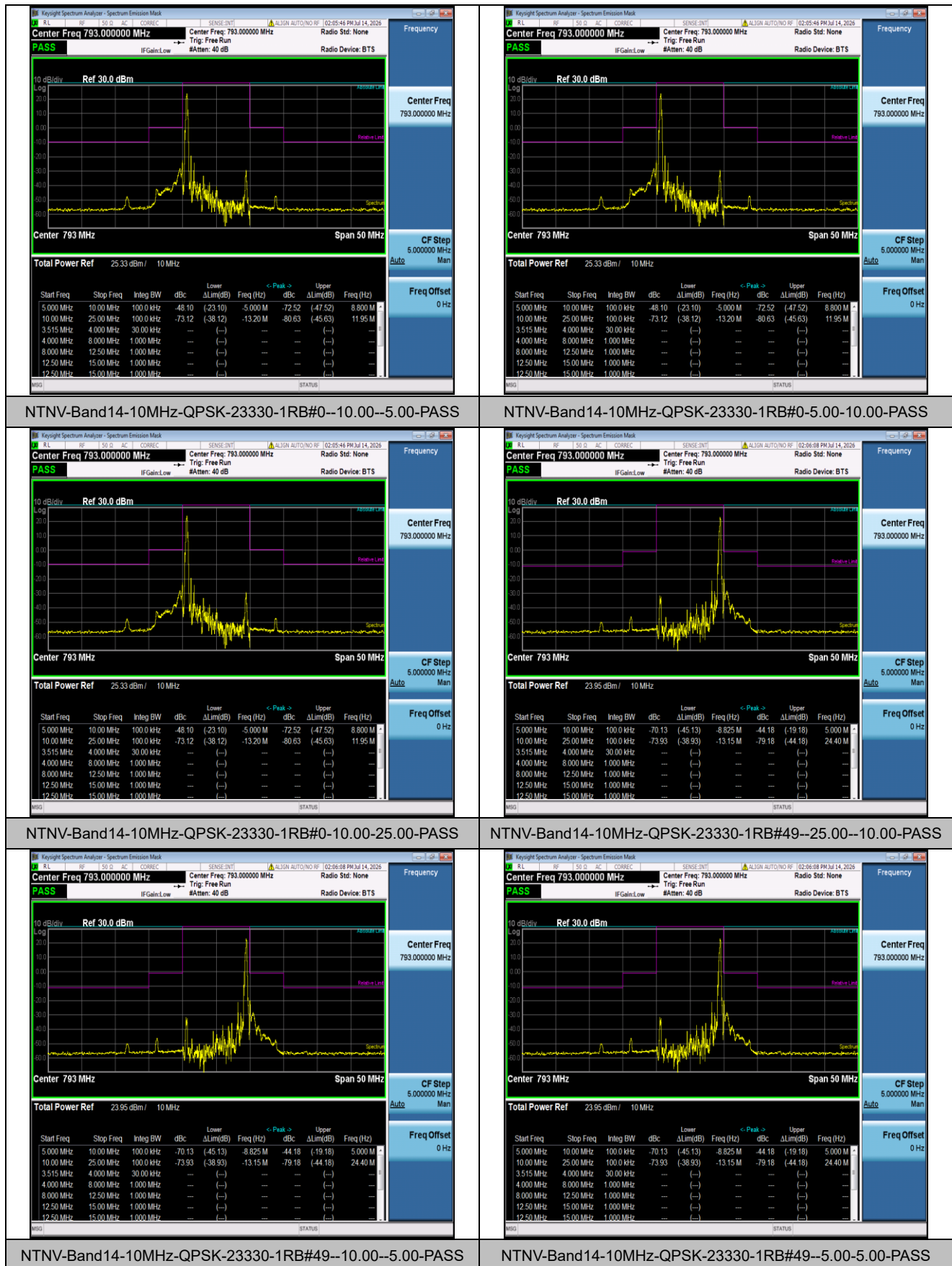
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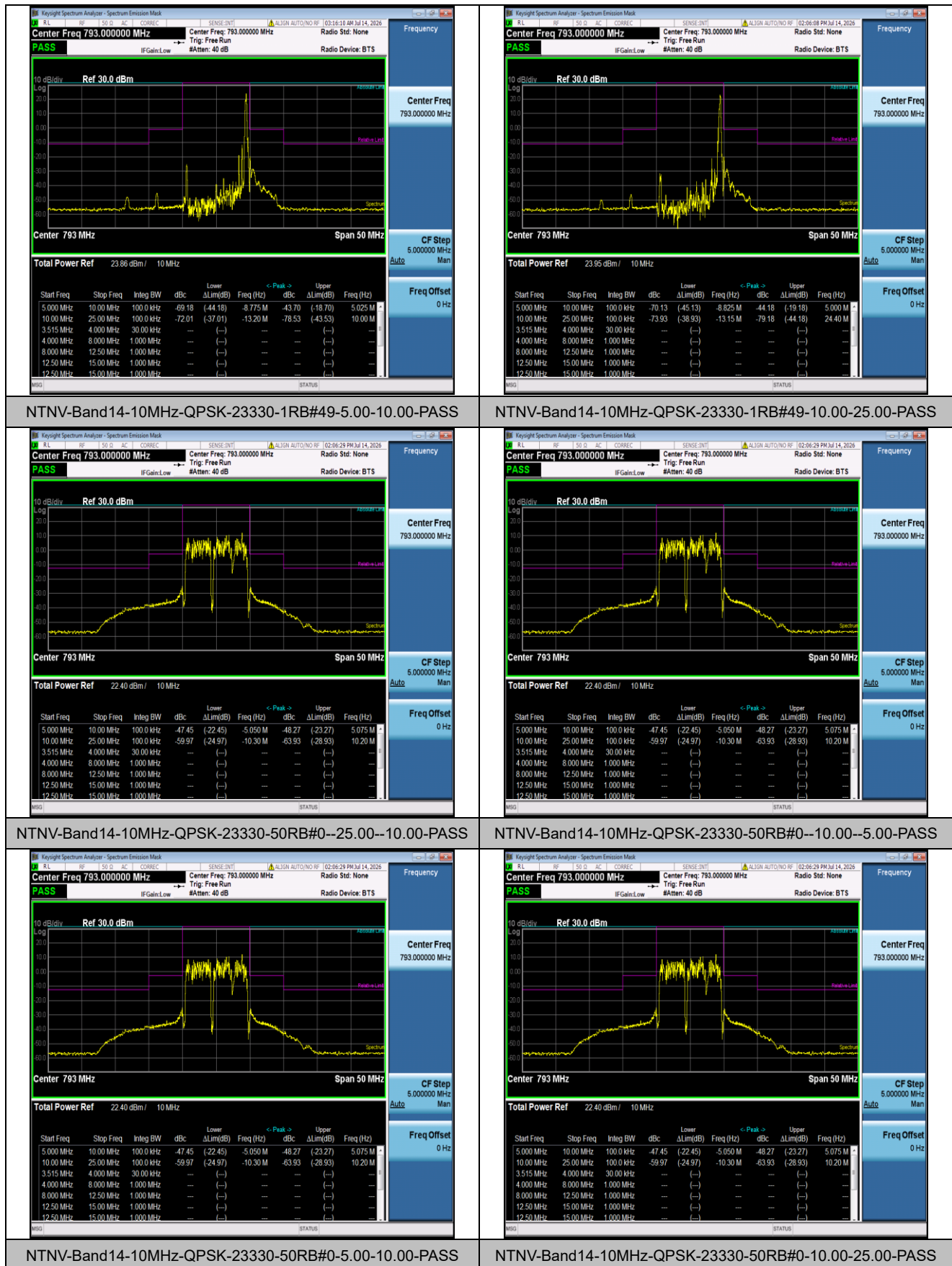


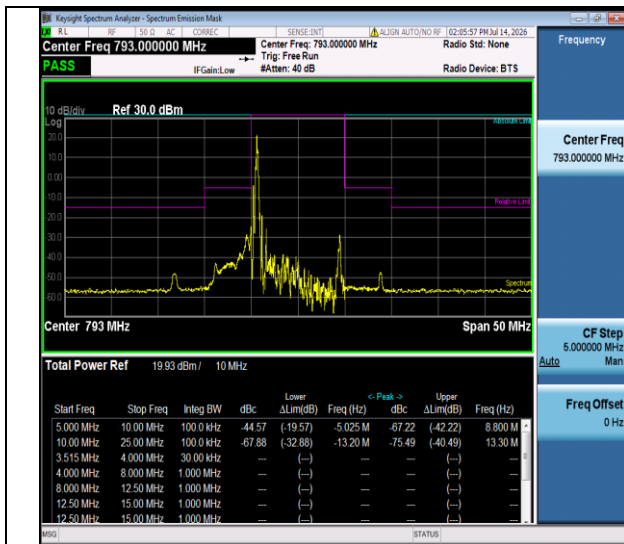
NTNV-Band14-5MHz-16QAM-23355-25RB#0-5.00-12.50-PASS



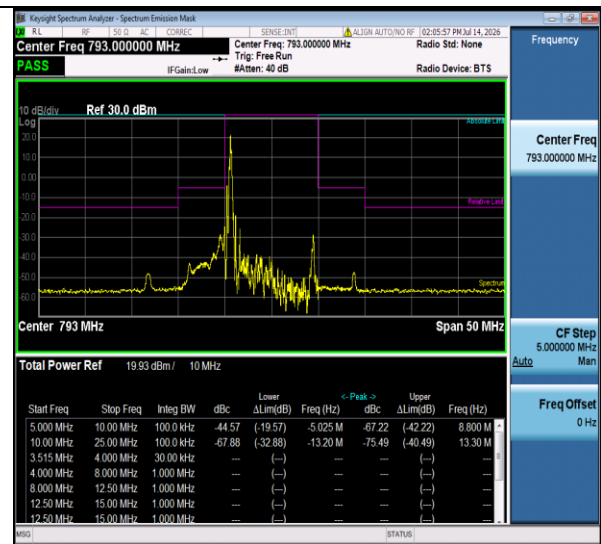
NTNV-Band14-10MHz-QPSK-23330-1RB#0--25.00--10.00-PASS







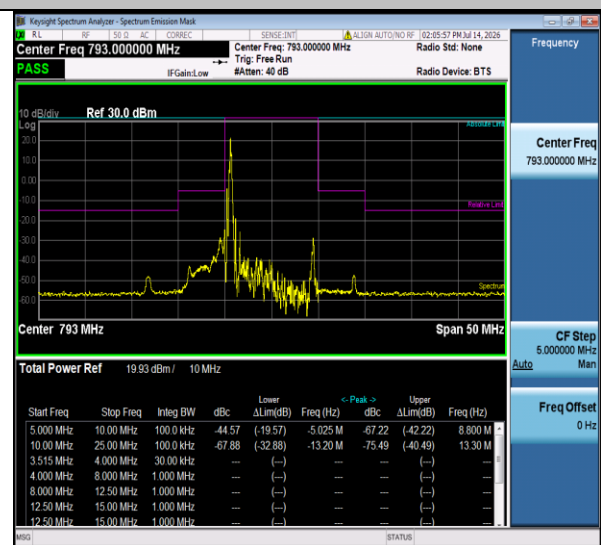
NTNV-Band14-10MHz-16QAM-23330-1RB#0--25.00--10.00-PASS



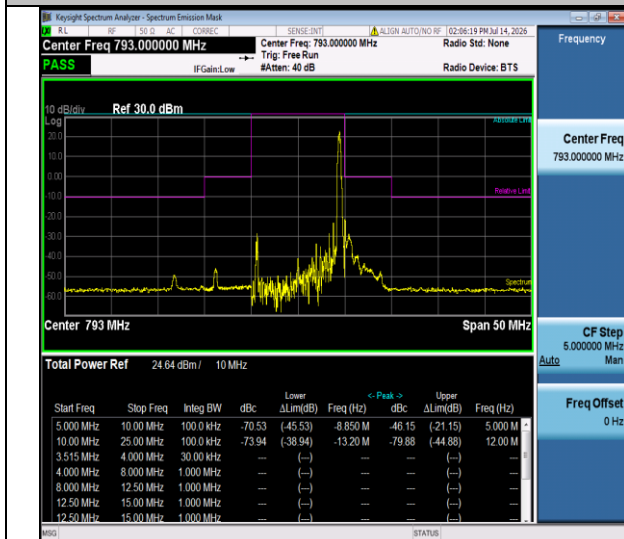
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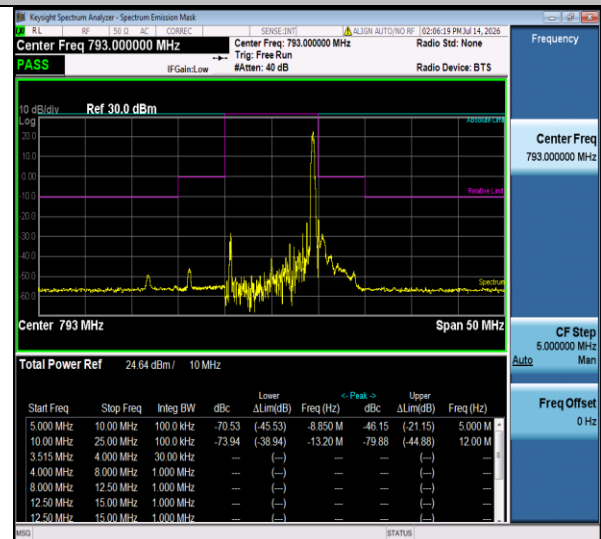
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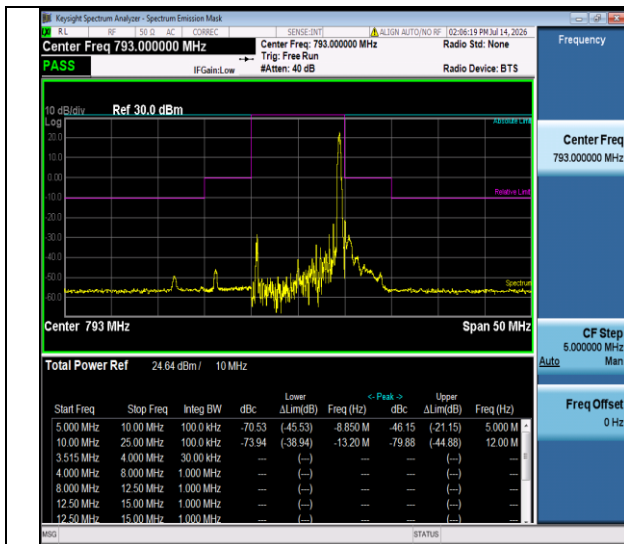
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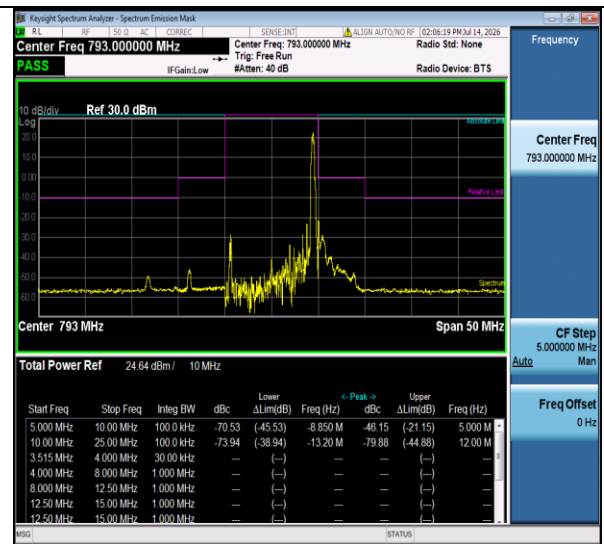
NTNV-Band14-10MHz-16QAM-23330-1RB#49--25.00--10.00-PASS



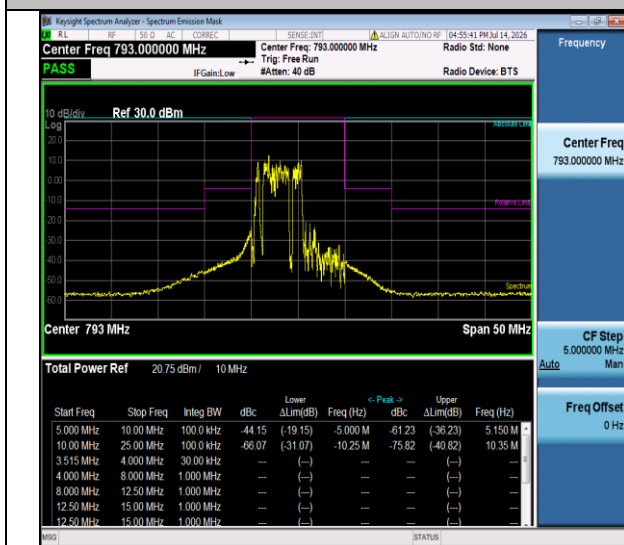
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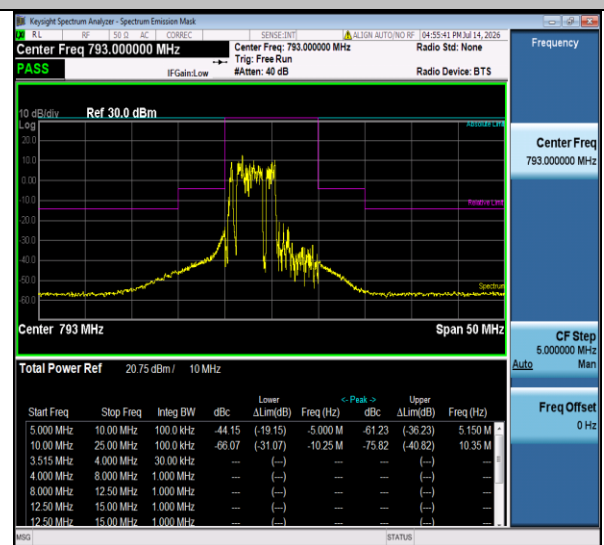
NTNV-Band14-10MHz-16QAM-23330-1RB#49--5.00-5.00-PASS



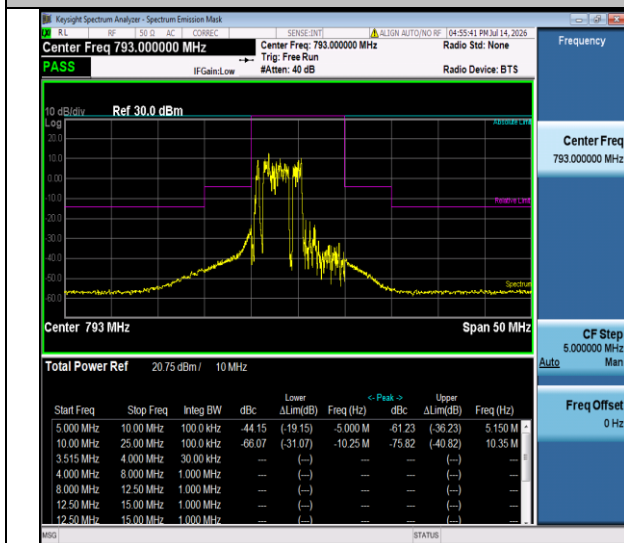
NTNV-Band14-10MHz-16QAM-23330-1RB#49-10.00-25.00-PASS



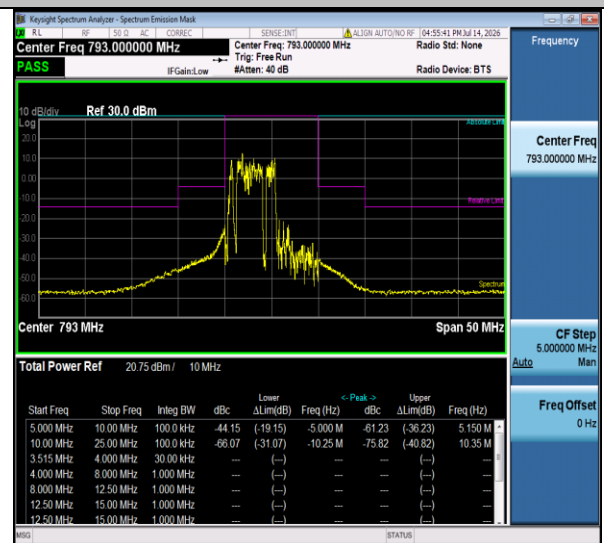
NTNV-Band14-10MHz-16QAM-23330-27RB#0--25.00--10.00-PASS



NTNV-Band14-10MHz-16QAM-23330-27RB#0--10.00--5.00-PASS



NTNV-Band14-10MHz-16QAM-23330-27RB#0-5.00-10.00-PASS



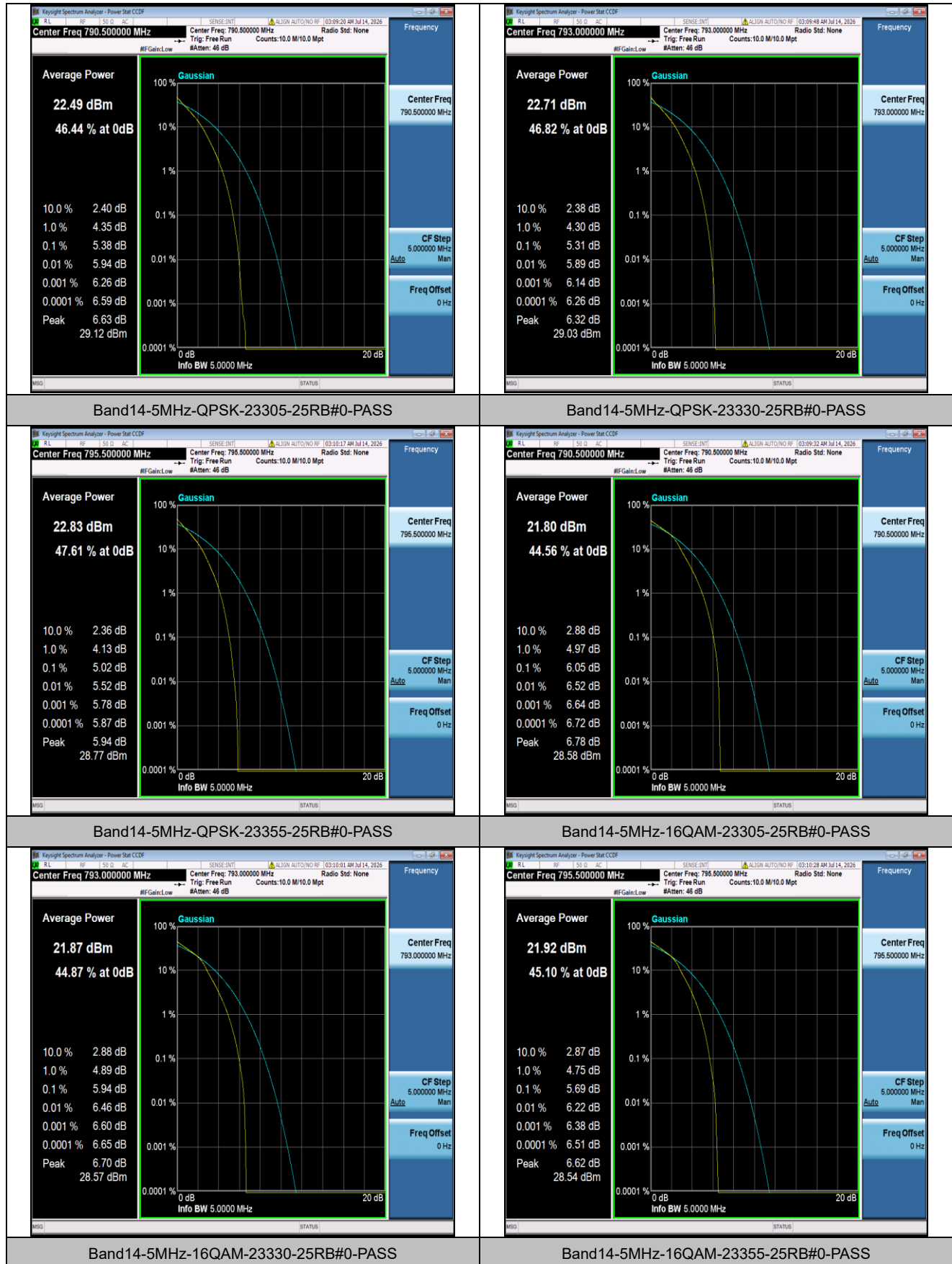
NTNV-Band14-10MHz-16QAM-23330-27RB#0-10.00-25.00-PASS

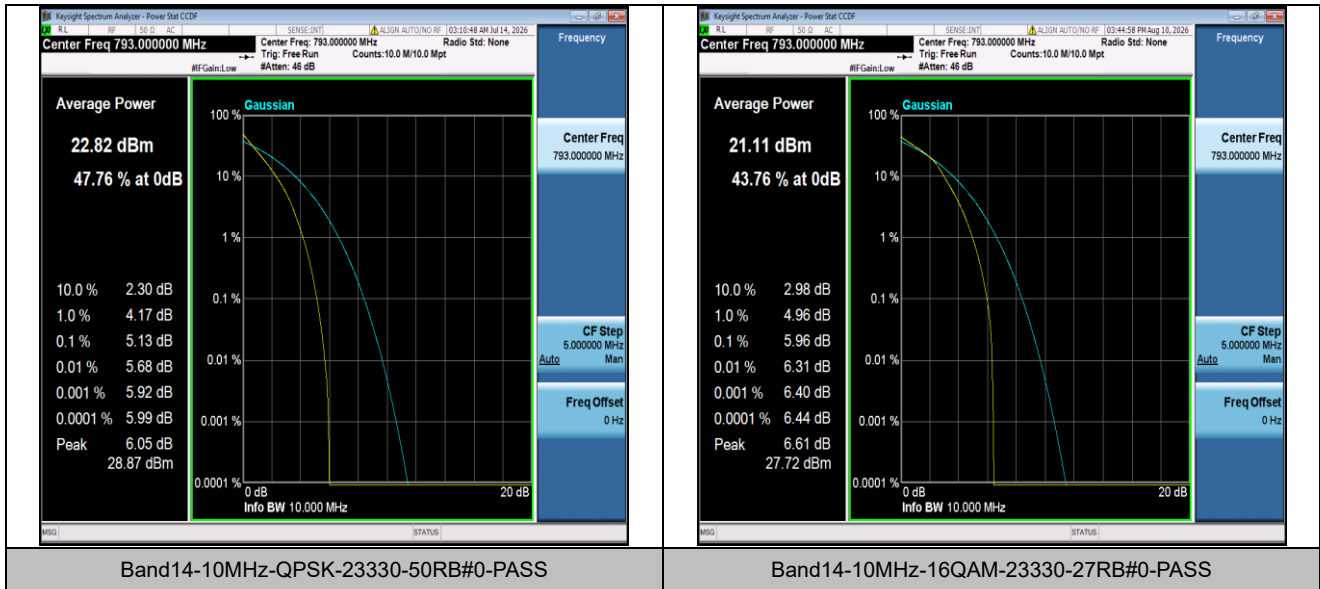
Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	5.38	13	PASS
Band14	5MHz	QPSK	23330	25RB#0	5.31	13	PASS
Band14	5MHz	QPSK	23355	25RB#0	5.02	13	PASS
Band14	5MHz	16QAM	23305	25RB#0	6.05	13	PASS
Band14	5MHz	16QAM	23330	25RB#0	5.94	13	PASS
Band14	5MHz	16QAM	23355	25RB#0	5.69	13	PASS
Band14	10MHz	QPSK	23330	50RB#0	5.13	13	PASS
Band14	10MHz	16QAM	23330	27RB#0	5.96	13	PASS

Test Graphs



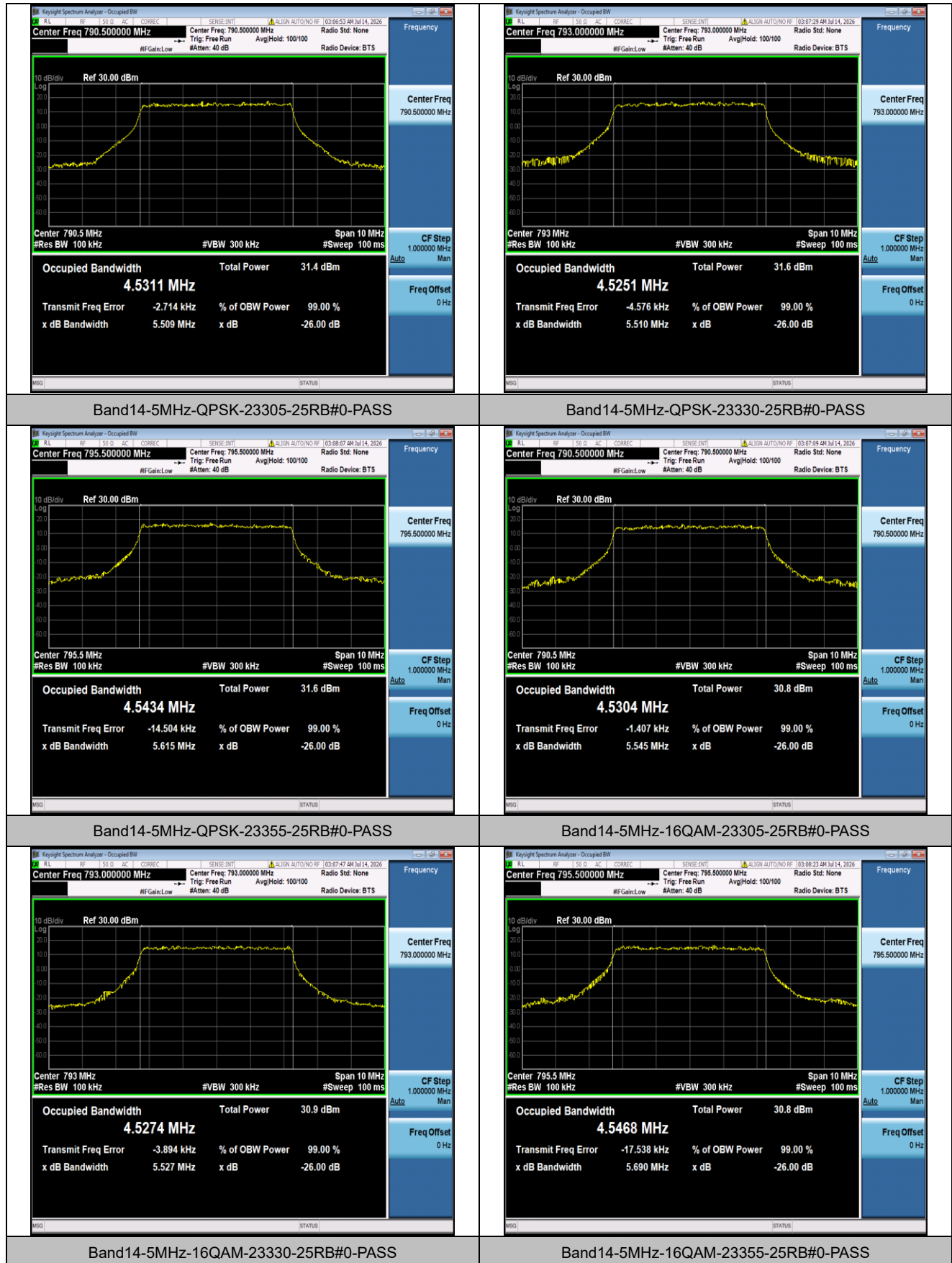


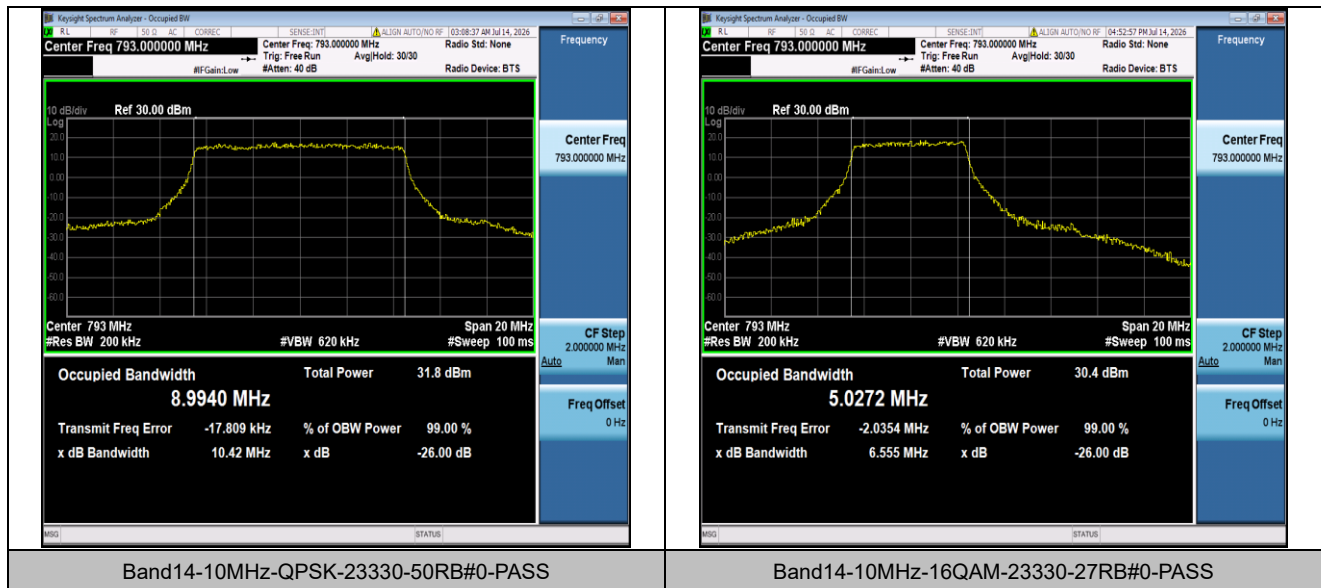
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	4.5311	5.509	PASS
Band14	5MHz	QPSK	23330	25RB#0	4.5251	5.510	PASS
Band14	5MHz	QPSK	23355	25RB#0	4.5434	5.615	PASS
Band14	5MHz	16QAM	23305	25RB#0	4.5304	5.545	PASS
Band14	5MHz	16QAM	23330	25RB#0	4.5274	5.527	PASS
Band14	5MHz	16QAM	23355	25RB#0	4.5468	5.690	PASS
Band14	10MHz	QPSK	23330	50RB#0	8.9940	10.42	PASS
Band14	10MHz	16QAM	23330	27RB#0	5.0272	6.555	PASS

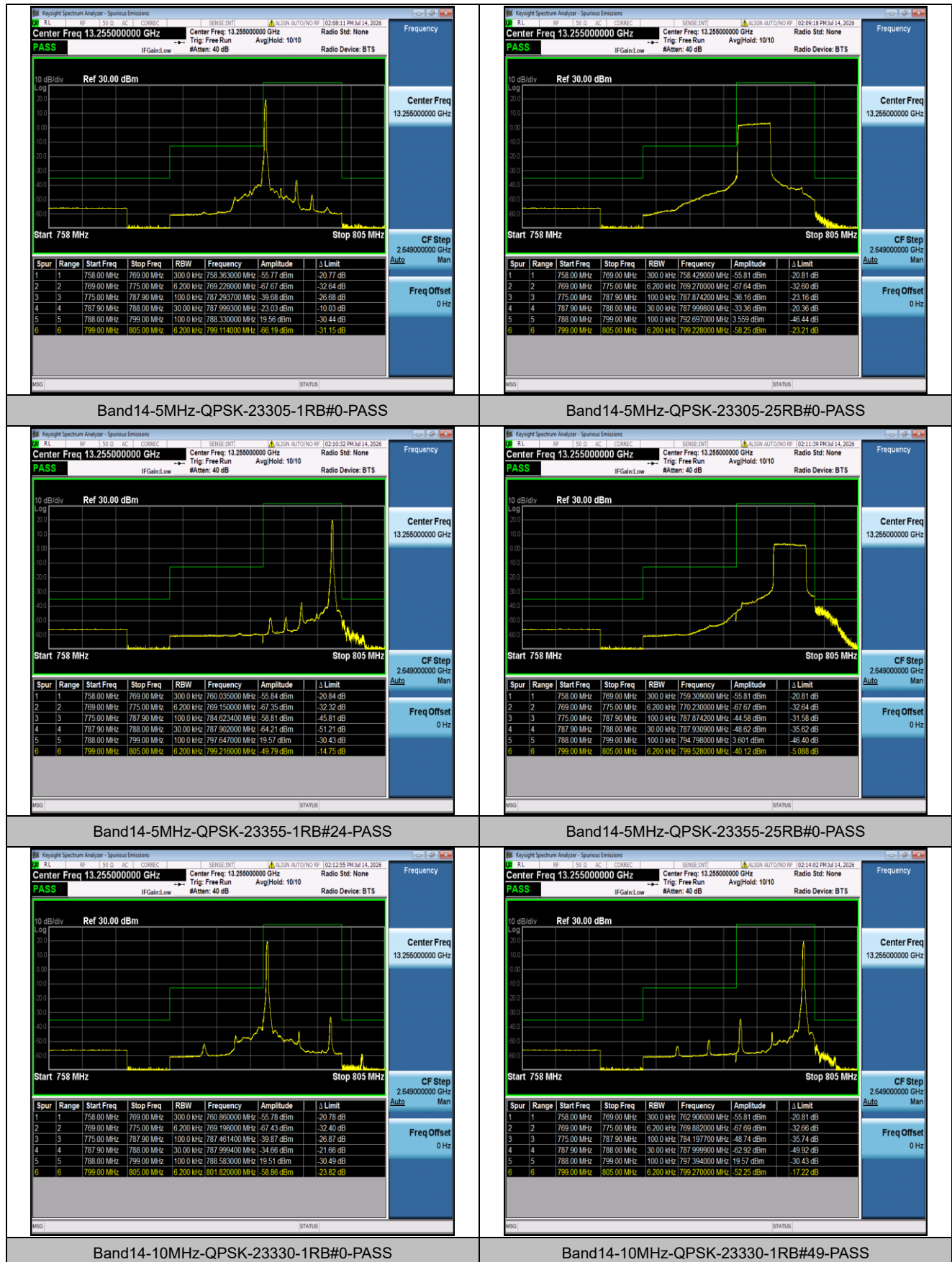
Test Graphs





Band Edge

Test Graphs

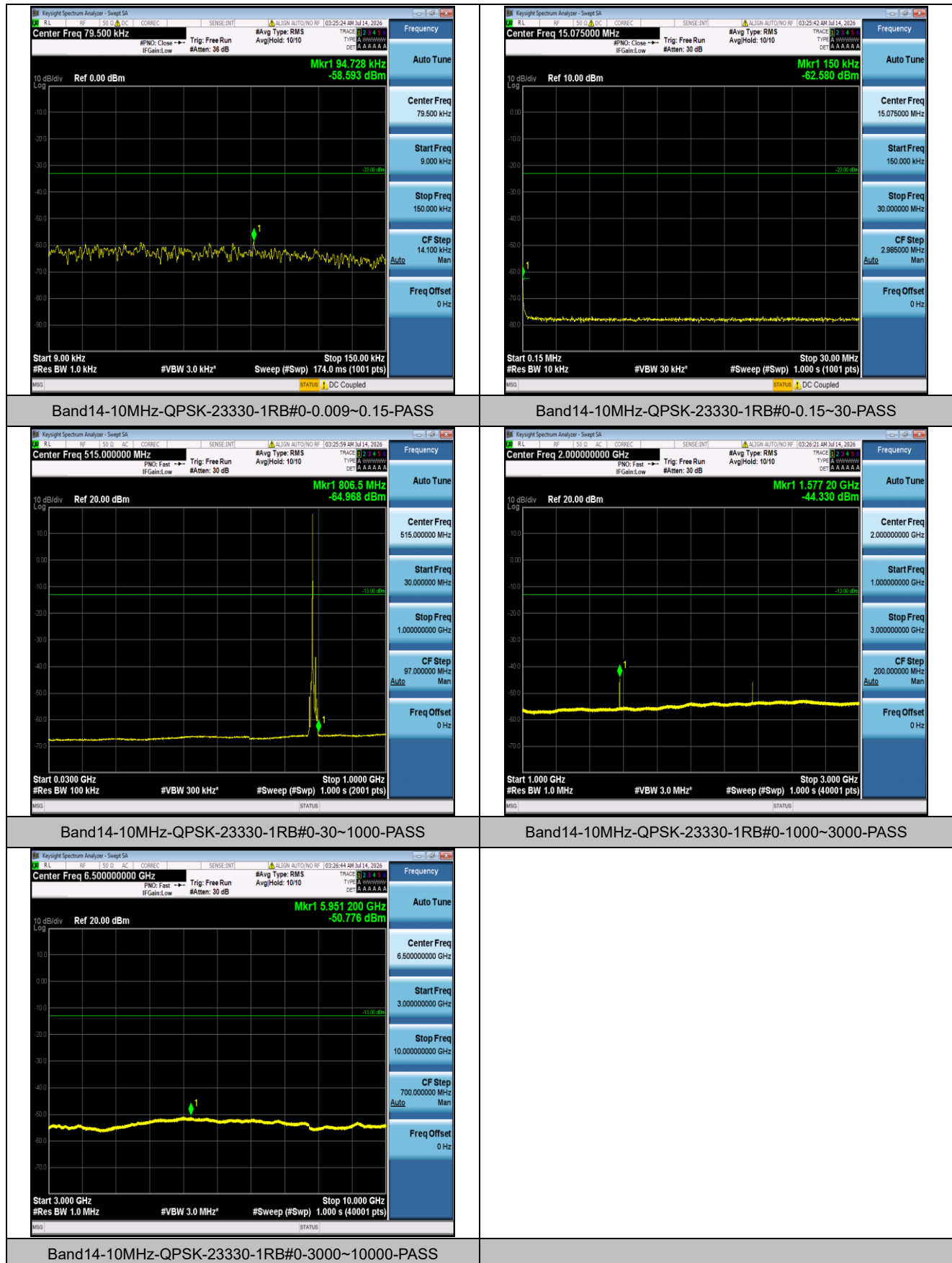




Band14-10MHz-QPSK-23330-50RB#0-PASS

Conducted Spurious Emission

Test Graphs



Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band14	10MHz	QPSK	23330	50RB#0	VN	NT	3.51	0.004426	PASS
Band14	10MHz	QPSK	23330	50RB#0	VL	NT	3.40	0.004288	PASS
Band14	10MHz	QPSK	23330	50RB#0	VH	NT	-1.84	-0.002320	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band14	10MHz	QPSK	23330	50RB#0	NV	-30	2.05	0.002585	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-20	-1.91	-0.002409	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-10	2.62	0.003304	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	0	3.56	0.004489	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	10	3.06	0.003859	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	20	4.02	0.005069	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	30	-1.96	-0.002472	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	40	2.55	0.003216	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	50	3.22	0.004061	PASS

~The End~