

Appendix-D LTE Band 14

Effective (Isotropic) Radiated Power Output Data

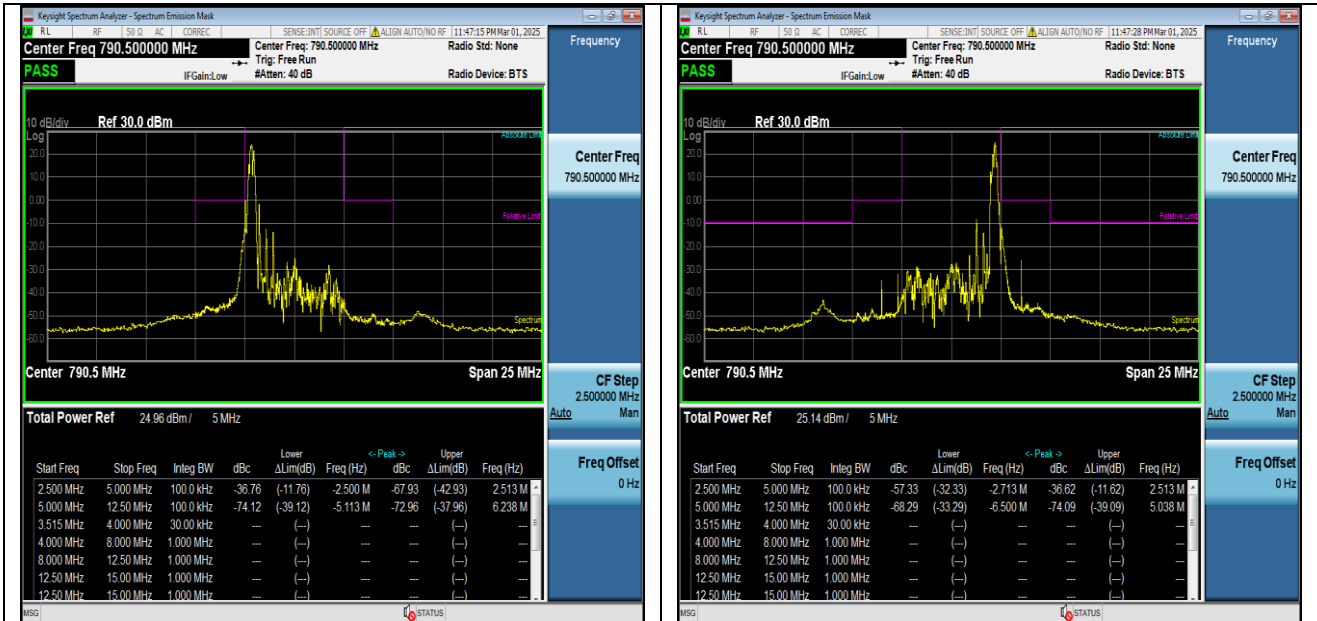
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band14	5MHz	QPSK	23305	1RB#0	23.78	23.82	34.77	PASS
Band14	5MHz	QPSK	23305	1RB#12	23.73	23.77	34.77	PASS
Band14	5MHz	QPSK	23305	1RB#24	23.73	23.77	34.77	PASS
Band14	5MHz	QPSK	23305	25RB#0	22.65	22.69	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#0	22.87	22.91	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#12	22.85	22.89	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#24	22.58	22.62	34.77	PASS
Band14	5MHz	16QAM	23305	25RB#0	21.72	21.76	34.77	PASS
Band14	5MHz	64QAM	23305	1RB#0	21.81	21.85	34.77	PASS
Band14	5MHz	64QAM	23305	1RB#12	21.78	21.82	34.77	PASS
Band14	5MHz	64QAM	23305	1RB#24	21.67	21.71	34.77	PASS
Band14	5MHz	64QAM	23305	25RB#0	20.63	20.67	34.77	PASS
Band14	5MHz	256QAM	23305	1RB#0	18.61	18.65	34.77	PASS
Band14	5MHz	256QAM	23305	1RB#12	18.61	18.65	34.77	PASS
Band14	5MHz	256QAM	23305	1RB#24	18.76	18.8	34.77	PASS
Band14	5MHz	256QAM	23305	25RB#0	18.77	18.81	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#0	23.67	23.71	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#12	23.67	23.71	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#24	23.54	23.58	34.77	PASS
Band14	5MHz	QPSK	23330	25RB#0	22.57	22.61	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#0	22.84	22.88	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#12	23.02	23.06	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#24	22.89	22.93	34.77	PASS
Band14	5MHz	16QAM	23330	25RB#0	21.59	21.63	34.77	PASS
Band14	5MHz	64QAM	23330	1RB#0	21.75	21.79	34.77	PASS
Band14	5MHz	64QAM	23330	1RB#12	21.75	21.79	34.77	PASS
Band14	5MHz	64QAM	23330	1RB#24	21.64	21.68	34.77	PASS
Band14	5MHz	64QAM	23330	25RB#0	20.57	20.61	34.77	PASS
Band14	5MHz	256QAM	23330	1RB#0	18.52	18.56	34.77	PASS
Band14	5MHz	256QAM	23330	1RB#12	18.74	18.78	34.77	PASS
Band14	5MHz	256QAM	23330	1RB#24	18.62	18.66	34.77	PASS
Band14	5MHz	256QAM	23330	25RB#0	18.71	18.75	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#0	23.71	23.75	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#12	23.56	23.6	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#24	23.66	23.7	34.77	PASS
Band14	5MHz	QPSK	23355	25RB#0	22.59	22.63	34.77	PASS

Band14	5MHz	16QAM	23355	1RB#0	22.91	22.95	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#12	22.98	23.02	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#24	22.91	22.95	34.77	PASS
Band14	5MHz	16QAM	23355	25RB#0	21.62	21.66	34.77	PASS
Band14	5MHz	64QAM	23355	1RB#0	21.63	21.67	34.77	PASS
Band14	5MHz	64QAM	23355	1RB#12	21.63	21.67	34.77	PASS
Band14	5MHz	64QAM	23355	1RB#24	21.84	21.88	34.77	PASS
Band14	5MHz	64QAM	23355	25RB#0	20.62	20.66	34.77	PASS
Band14	5MHz	256QAM	23355	1RB#0	18.62	18.66	34.77	PASS
Band14	5MHz	256QAM	23355	1RB#12	18.73	18.77	34.77	PASS
Band14	5MHz	256QAM	23355	1RB#24	18.68	18.72	34.77	PASS
Band14	5MHz	256QAM	23355	25RB#0	18.72	18.76	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#0	23.62	23.66	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#24	23.65	23.69	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#49	23.57	23.61	34.77	PASS
Band14	10MHz	QPSK	23330	50RB#0	22.61	22.65	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#0	22.91	22.95	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#24	22.87	22.91	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#49	22.74	22.78	34.77	PASS
Band14	10MHz	16QAM	23330	50RB#0	21.59	21.63	34.77	PASS
Band14	10MHz	64QAM	23330	1RB#0	21.83	21.87	34.77	PASS
Band14	10MHz	64QAM	23330	1RB#24	21.65	21.69	34.77	PASS
Band14	10MHz	64QAM	23330	1RB#49	21.65	21.69	34.77	PASS
Band14	10MHz	64QAM	23330	50RB#0	20.57	20.61	34.77	PASS
Band14	10MHz	256QAM	23330	1RB#0	18.76	18.8	34.77	PASS
Band14	10MHz	256QAM	23330	1RB#24	18.62	18.66	34.77	PASS
Band14	10MHz	256QAM	23330	1RB#49	18.72	18.76	34.77	PASS
Band14	10MHz	256QAM	23330	50RB#0	18.74	18.78	34.77	PASS

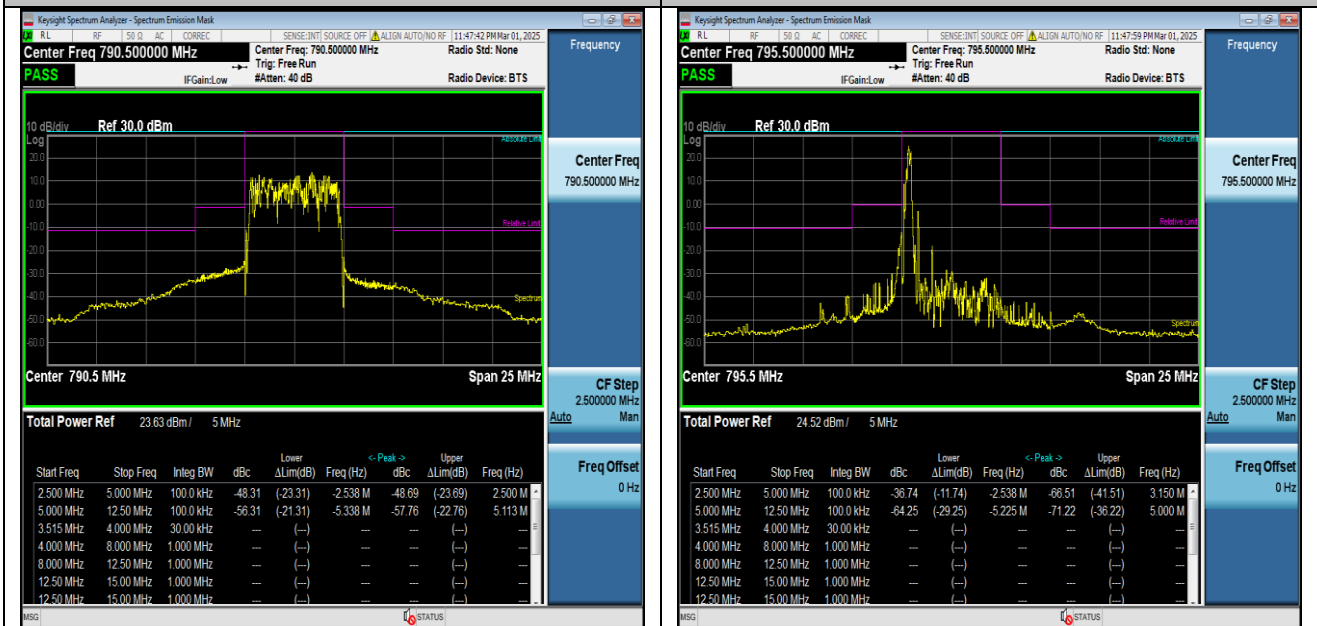
Spectrum_emission_mask

Test Graphs



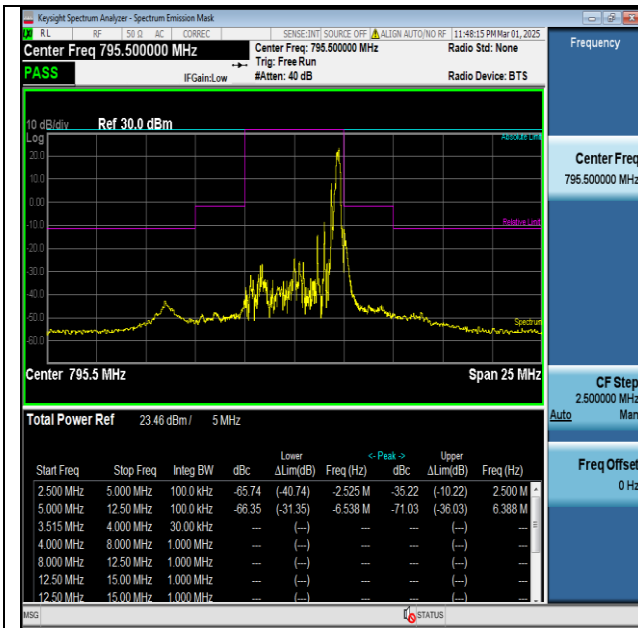
NTNV-Band14-5MHz-QPSK-23305-1RB#0-PASS

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

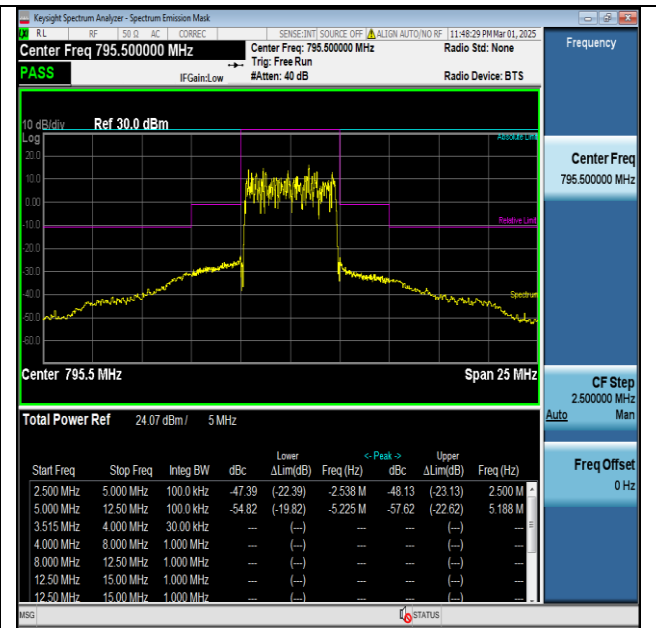


NTNV-Band14-5MHz-QPSK-23305-25RB#0-PASS

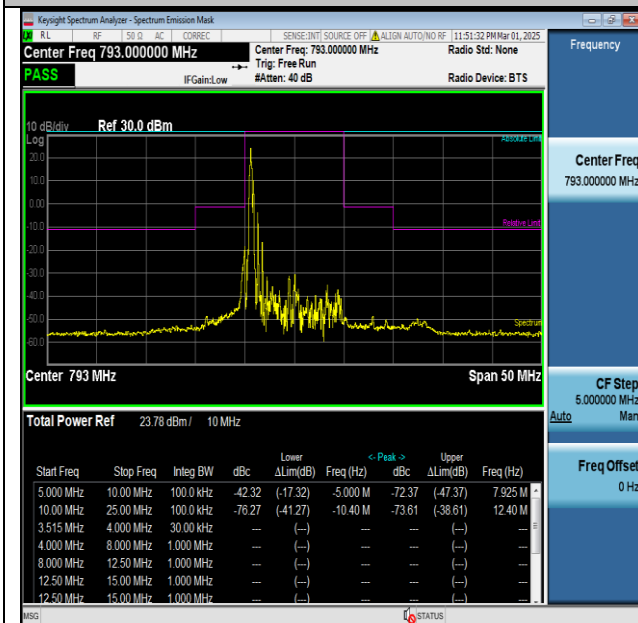
NTNV-Band14-5MHz-QPSK-23355-1RB#0-PASS



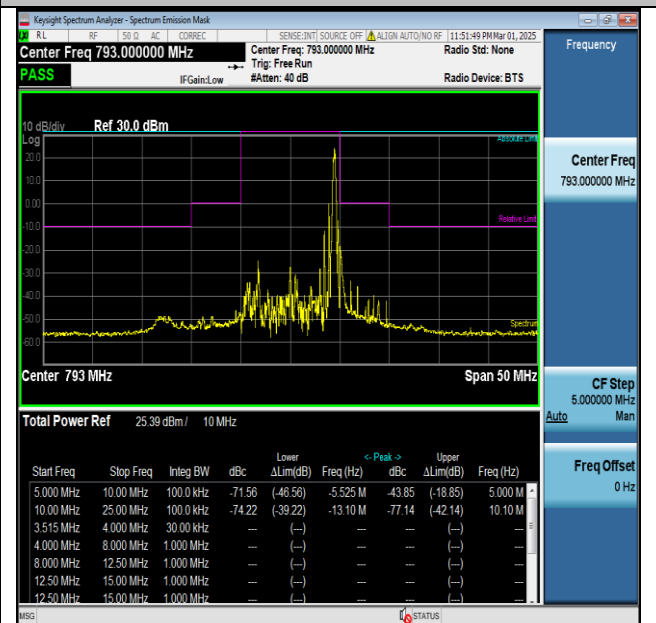
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NTNV-Band14-5MHz-QPSK-23355-25RB#0-PASS



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



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

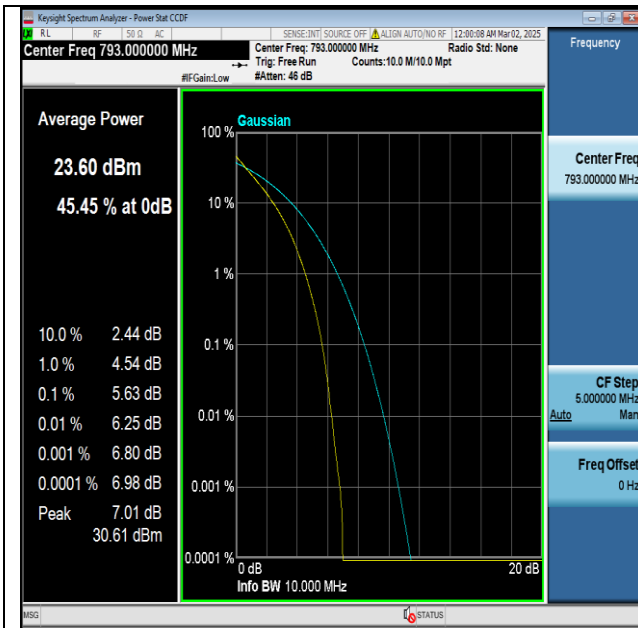


Peak-to-Average Ratio(CCDF)

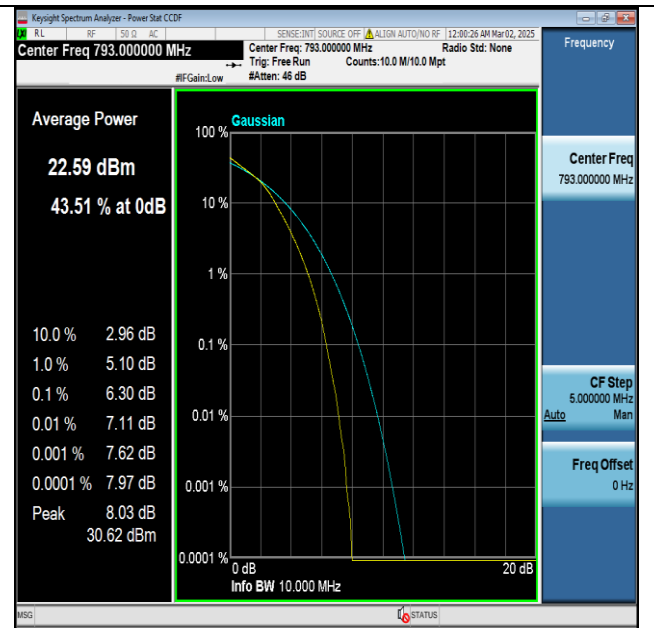
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band14	10MHz	QPSK	23330	50RB#0	5.63	13	PASS
Band14	10MHz	16QAM	23330	50RB#0	6.30	13	PASS
Band14	10MHz	64QAM	23330	50RB#0	6.59	13	PASS
Band14	10MHz	256QAM	23330	50RB#0	6.57	13	PASS

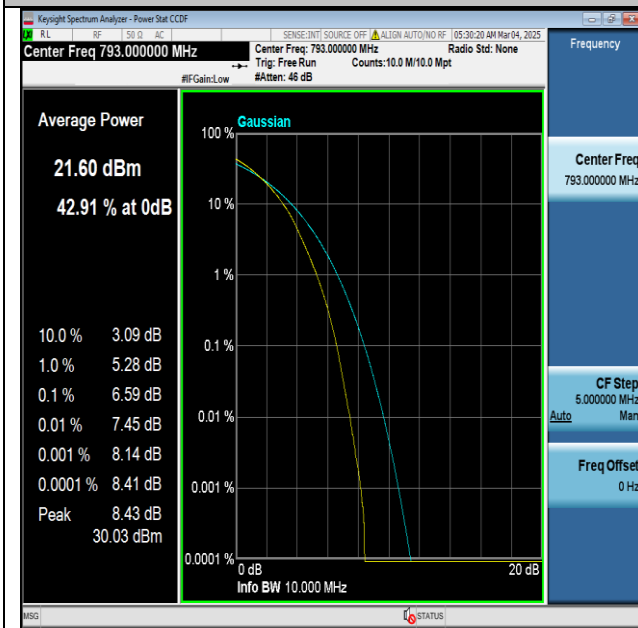
Test Graphs



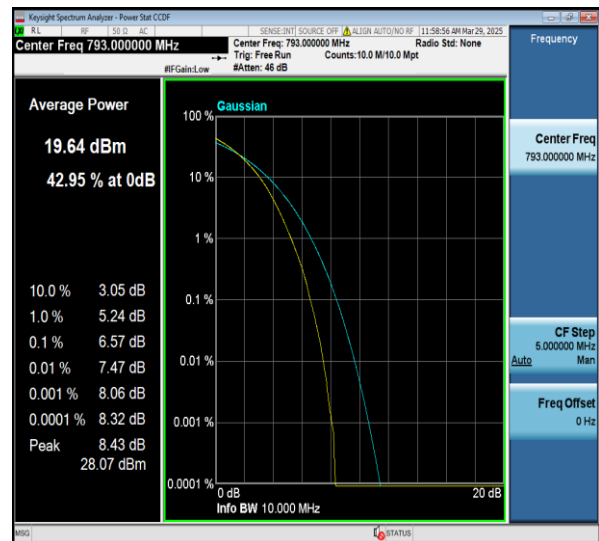
Band14-10MHz-QPSK-23330-50RB#0-PASS



Band14-10MHz-16QAM-23330-50RB#0-PASS



Band14-10MHz-64QAM-23330-50RB#0-PASS



Band14-10MHz-256QAM-23330-50RB#0-PASS

26dB Bandwidth and Occupied Bandwidth

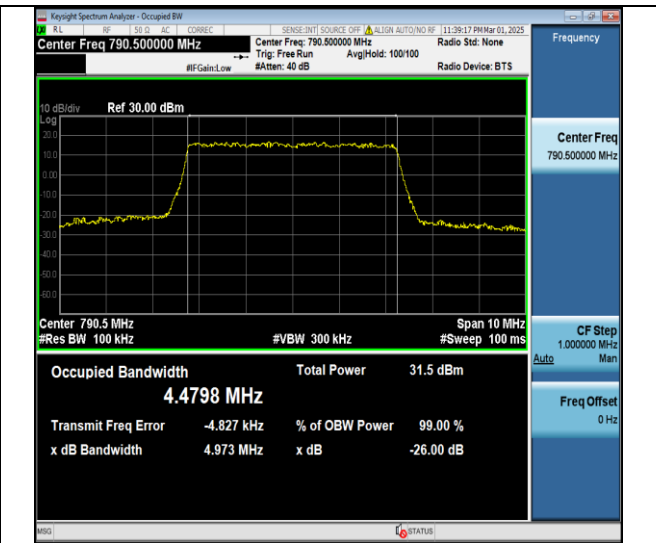
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	4.4874	4.944	PASS
Band14	5MHz	16QAM	23305	25RB#0	4.4798	4.973	PASS
Band14	5MHz	64QAM	23305	25RB#0	4.4931	4.964	PASS
Band14	5MHz	256QAM	23305	25RB#0	4.4789	4.900	PASS
Band14	5MHz	QPSK	23330	25RB#0	4.4888	4.943	PASS
Band14	5MHz	16QAM	23330	25RB#0	4.4915	4.974	PASS
Band14	5MHz	64QAM	23330	25RB#0	4.4953	4.946	PASS
Band14	5MHz	256QAM	23330	25RB#0	4.4804	4.898	PASS
Band14	5MHz	QPSK	23355	25RB#0	4.4856	4.960	PASS
Band14	5MHz	16QAM	23355	25RB#0	4.4902	4.962	PASS
Band14	5MHz	64QAM	23355	25RB#0	4.5019	4.961	PASS
Band14	5MHz	256QAM	23355	25RB#0	4.4832	4.906	PASS
Band14	10MHz	QPSK	23330	50RB#0	8.9848	9.746	PASS
Band14	10MHz	16QAM	23330	50RB#0	8.9572	9.719	PASS
Band14	10MHz	64QAM	23330	50RB#0	8.9919	9.805	PASS
Band14	10MHz	256QAM	23330	50RB#0	8.9715	9.742	PASS

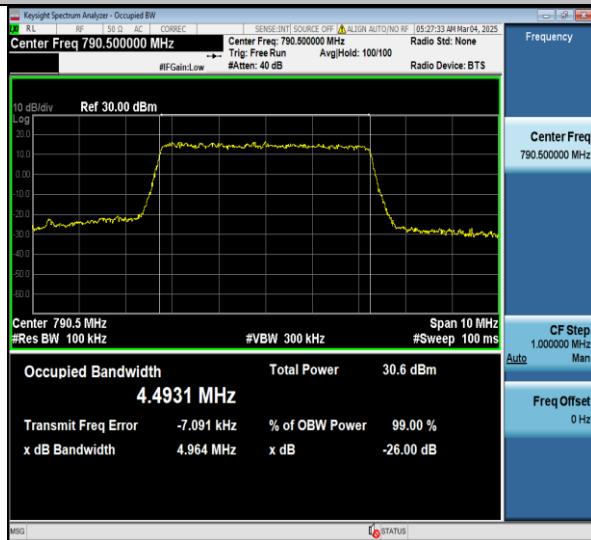
Test Graphs



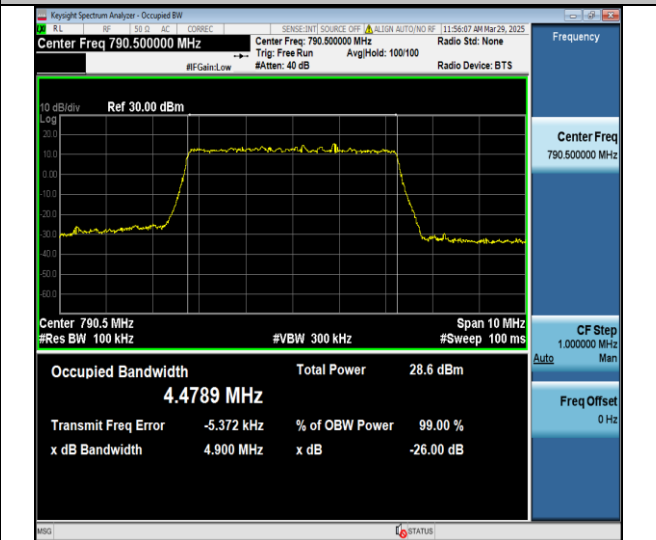
Band14-5MHz-QPSK-23305-25RB#0-PASS



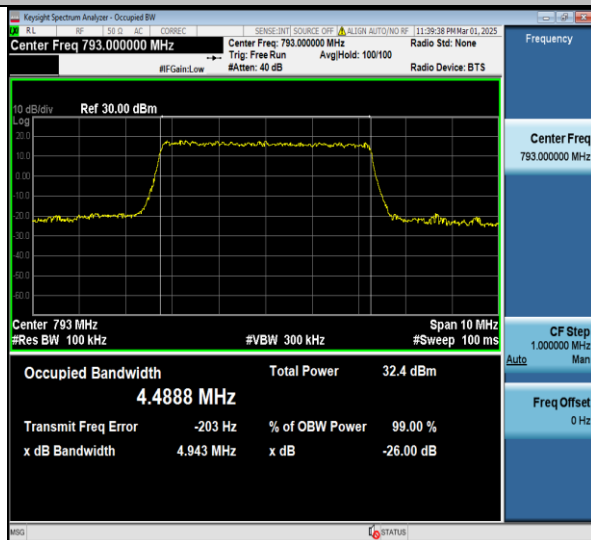
Band14-5MHz-16QAM-23305-25RB#0-PASS



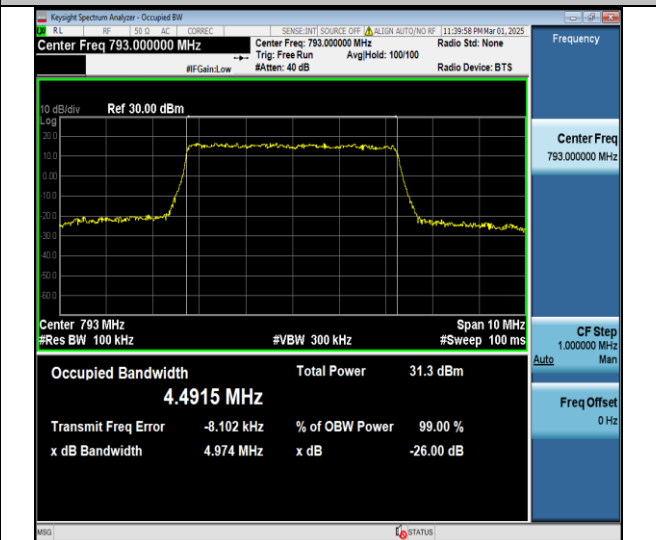
Band14-5MHz-64QAM-23305-25RB#0-PASS



Band14-5MHz-256QAM-23305-25RB#0-PASS



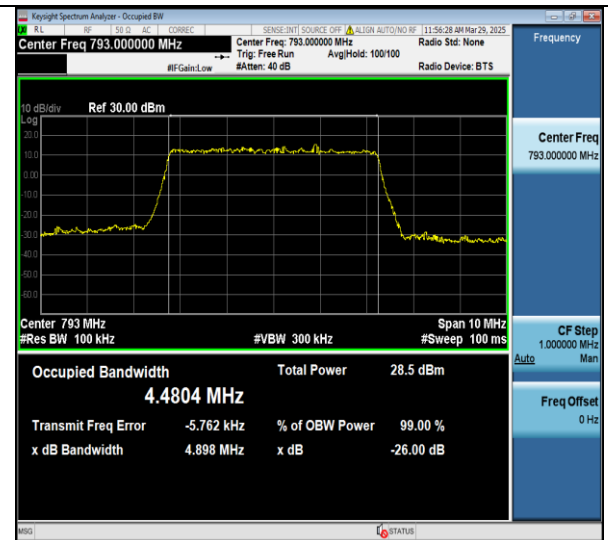
Band14-5MHz-QPSK-23330-25RB#0-PASS



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



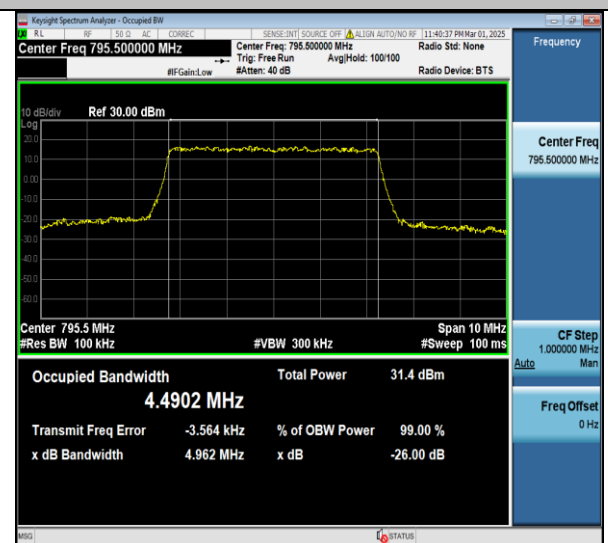
Band14-5MHz-64QAM-23330-25RB#0-PASS



Band14-5MHz-256QAM-23330-25RB#0-PASS



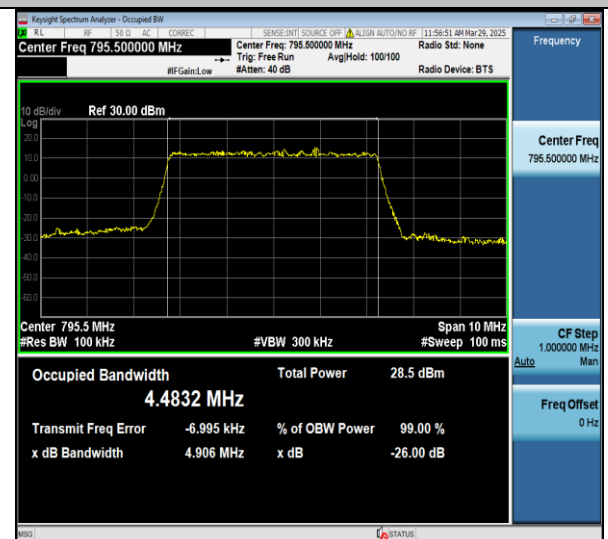
Band14-5MHz-QPSK-23355-25RB#0-PASS



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



Band14-5MHz-64QAM-23355-25RB#0-PASS



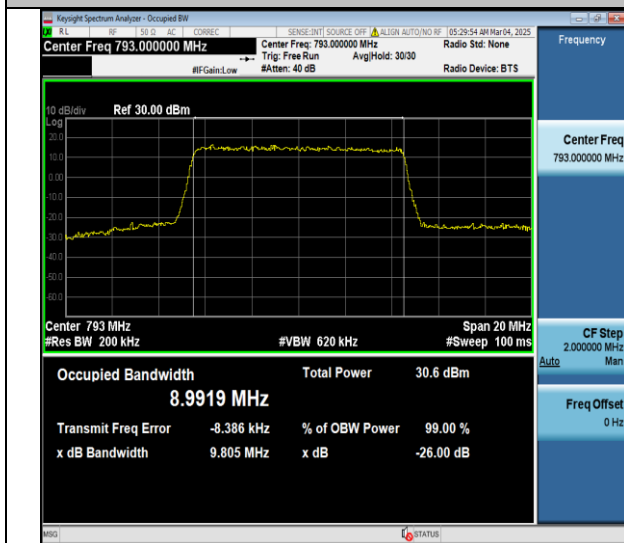
Band14-5MHz-256QAM-23355-25RB#0-PASS



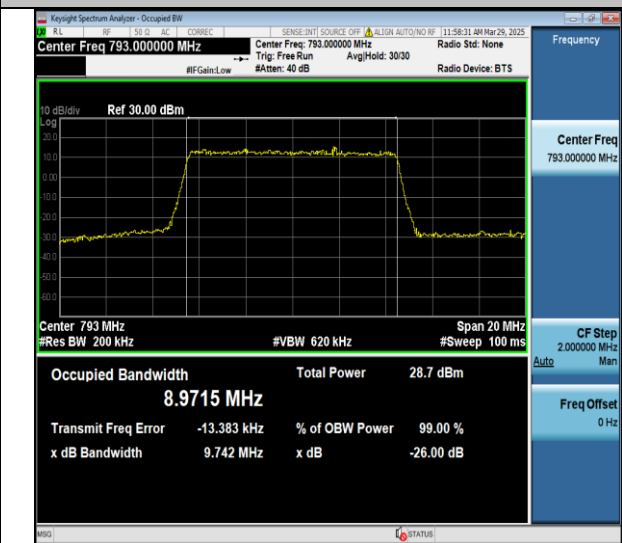
Band14-10MHz-QPSK-23330-50RB#0-PASS



Band14-10MHz-16QAM-23330-50RB#0-PASS



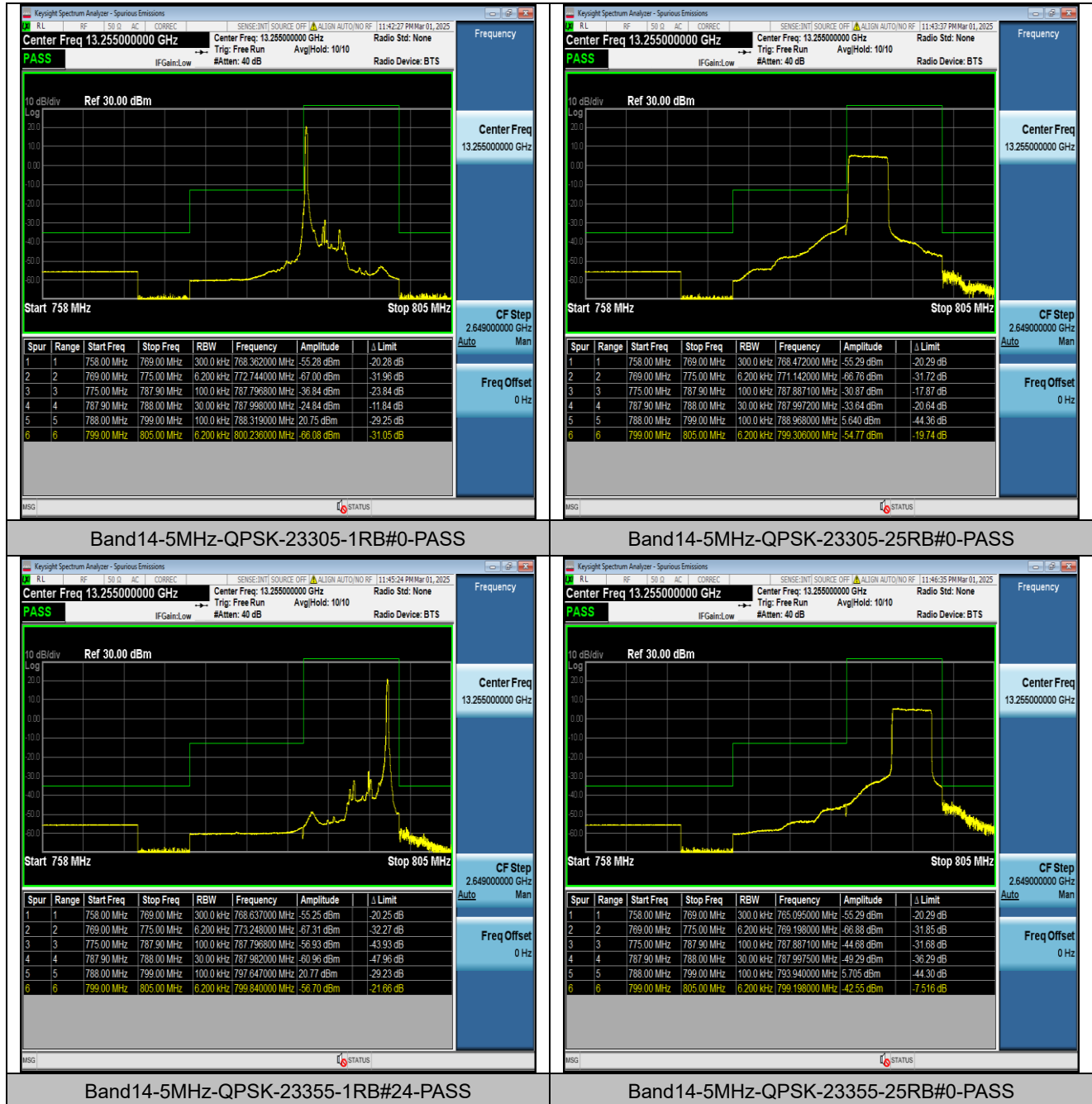
Band14-10MHz-64QAM-23330-50RB#0-PASS

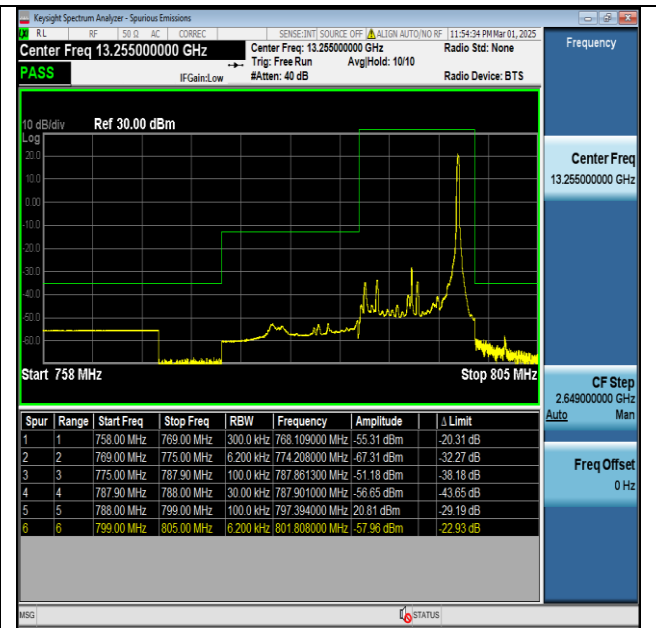
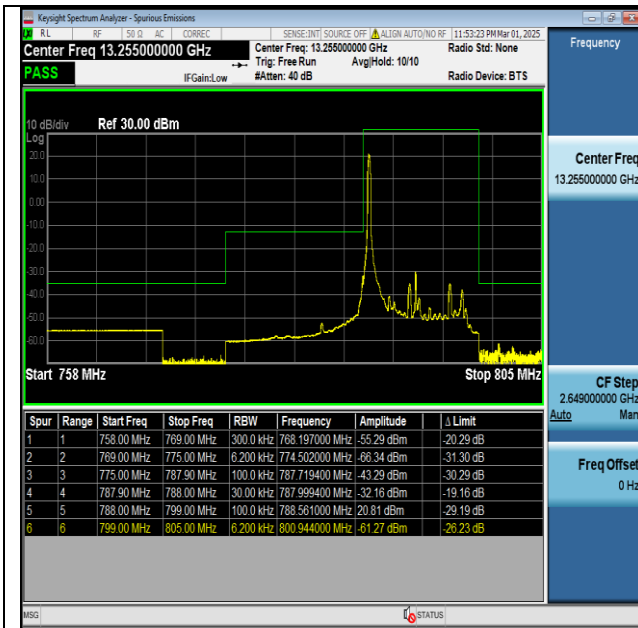


Band14-10MHz-256QAM-23330-50RB#0-PASS

Band Edge

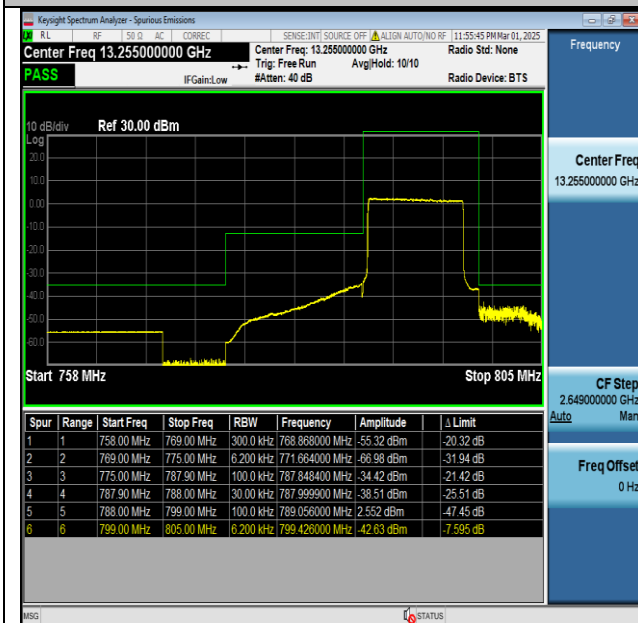
Test Graphs





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

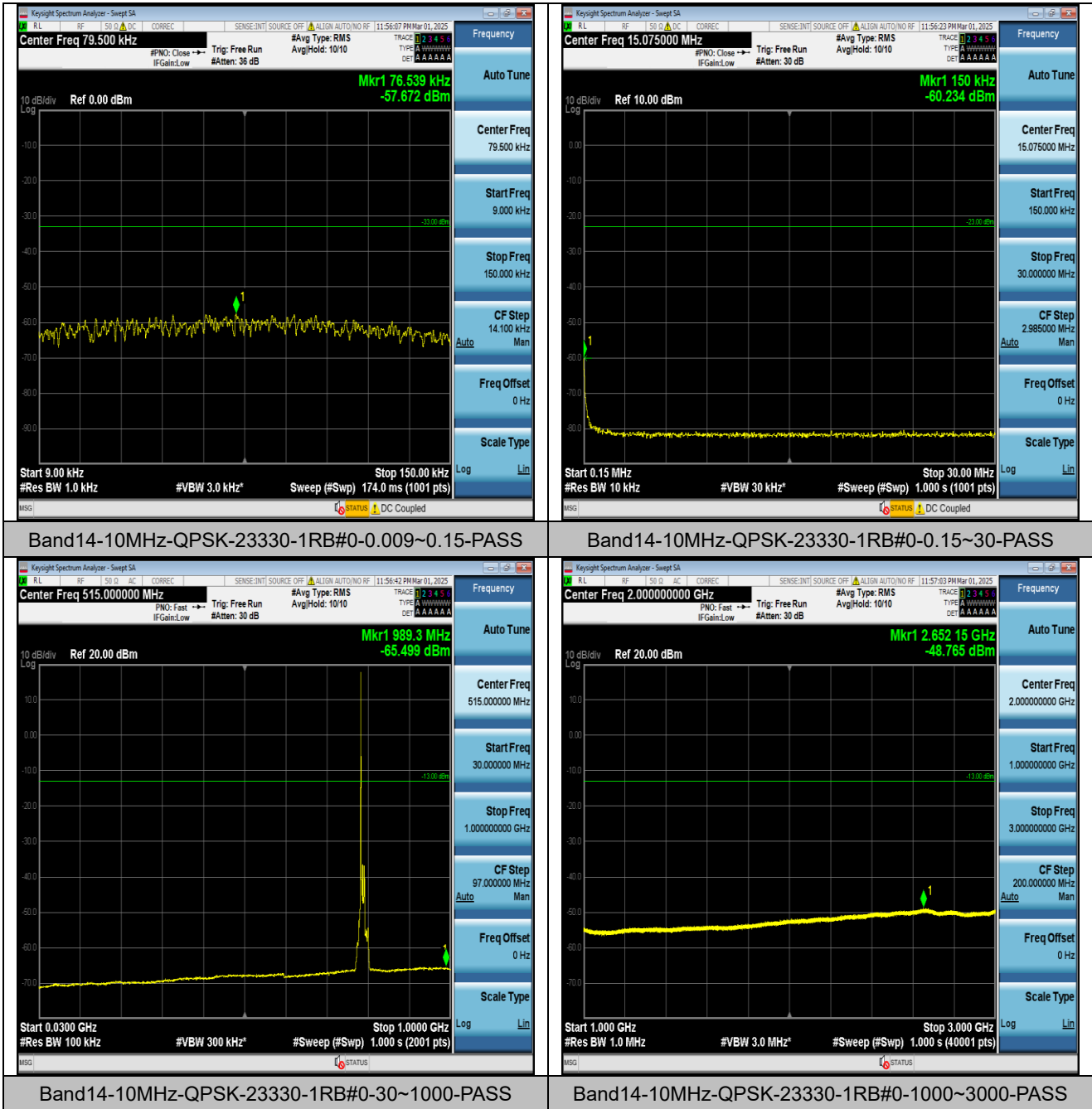
Band14-10MHz-QPSK-23330-1RB#49-PASS

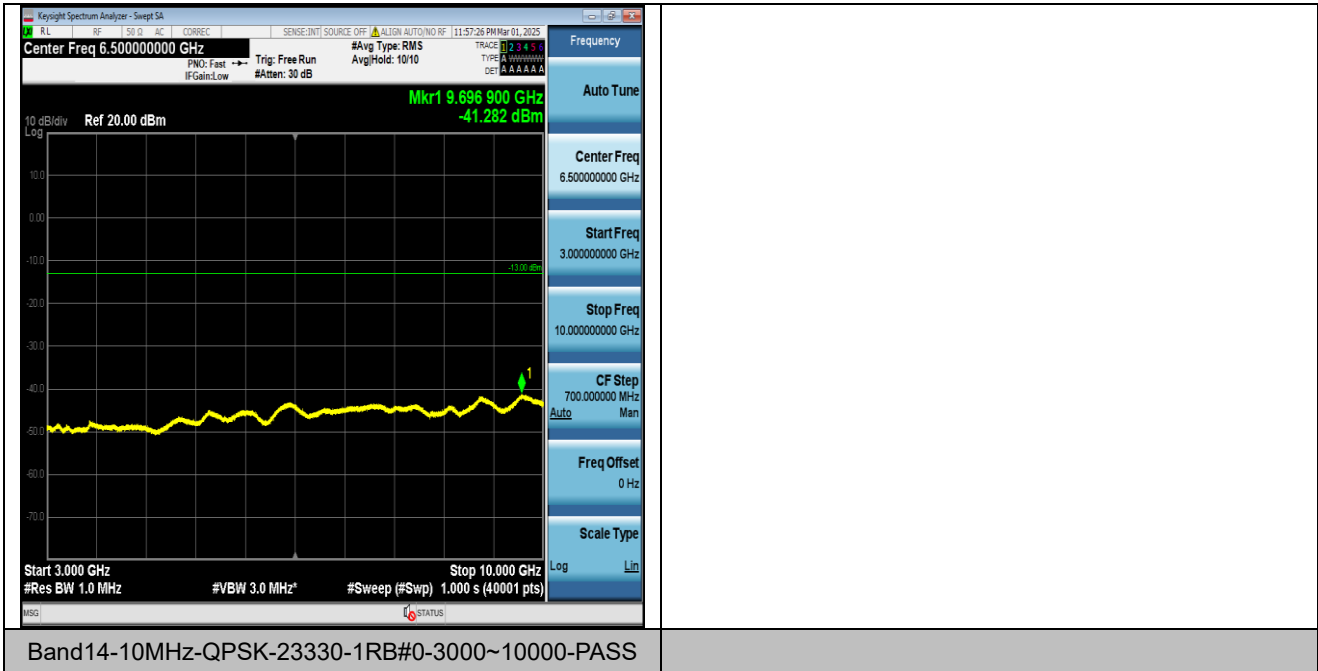


Band14-10MHz-QPSK-23330-50RB#0-PASS

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	-0.60	-0.000757	PASS
Band14	10MHz	QPSK	23330	50RB#0	VL	NT	0.20	0.000252	PASS
Band14	10MHz	QPSK	23330	50RB#0	VH	NT	0.50	0.000631	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	1.20	0.001513	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-20	-2.00	-0.002522	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-10	-0.80	-0.001009	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	0	-1.50	-0.001892	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	10	-0.40	-0.000504	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	20	3.10	0.003909	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	30	1.50	0.001892	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	40	-0.60	-0.000757	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	50	-0.40	-0.000504	PASS

~The End~