

Appendix-B 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	24.12	20.37	34.77	PASS
Band14	5MHz	QPSK	23305	1RB#12	24.04	20.29	34.77	PASS
Band14	5MHz	QPSK	23305	1RB#24	24.02	20.27	34.77	PASS
Band14	5MHz	QPSK	23305	25RB#0	23.07	19.32	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#0	22.87	19.12	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#12	22.97	19.22	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#24	23.18	19.43	34.77	PASS
Band14	5MHz	16QAM	23305	25RB#0	22.04	18.29	34.77	PASS
Band14	5MHz	64QAM	23305	1RB#0	22.23	18.48	34.77	PASS
Band14	5MHz	64QAM	23305	1RB#12	22	18.25	34.77	PASS
Band14	5MHz	64QAM	23305	1RB#24	22.16	18.41	34.77	PASS
Band14	5MHz	64QAM	23305	25RB#0	21.03	17.28	34.77	PASS
Band14	5MHz	256QAM	23305	1RB#0	19.06	15.31	34.77	PASS
Band14	5MHz	256QAM	23305	1RB#12	19.24	15.49	34.77	PASS
Band14	5MHz	256QAM	23305	1RB#24	19.06	15.31	34.77	PASS
Band14	5MHz	256QAM	23305	25RB#0	19.06	15.31	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#0	24.03	20.28	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#12	23.97	20.22	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#24	23.94	20.19	34.77	PASS
Band14	5MHz	QPSK	23330	25RB#0	22.93	19.18	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#0	23	19.25	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#12	22.7	18.95	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#24	23.14	19.39	34.77	PASS
Band14	5MHz	16QAM	23330	25RB#0	21.9	18.15	34.77	PASS
Band14	5MHz	64QAM	23330	1RB#0	22.07	18.32	34.77	PASS
Band14	5MHz	64QAM	23330	1RB#12	22.33	18.58	34.77	PASS
Band14	5MHz	64QAM	23330	1RB#24	22.24	18.49	34.77	PASS
Band14	5MHz	64QAM	23330	25RB#0	20.93	17.18	34.77	PASS
Band14	5MHz	256QAM	23330	1RB#0	18.99	15.24	34.77	PASS
Band14	5MHz	256QAM	23330	1RB#12	18.9	15.15	34.77	PASS
Band14	5MHz	256QAM	23330	1RB#24	19.06	15.31	34.77	PASS
Band14	5MHz	256QAM	23330	25RB#0	18.9	15.15	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#0	24.04	20.29	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#12	24.06	20.31	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#24	23.91	20.16	34.77	PASS
Band14	5MHz	QPSK	23355	25RB#0	22.94	19.19	34.77	PASS

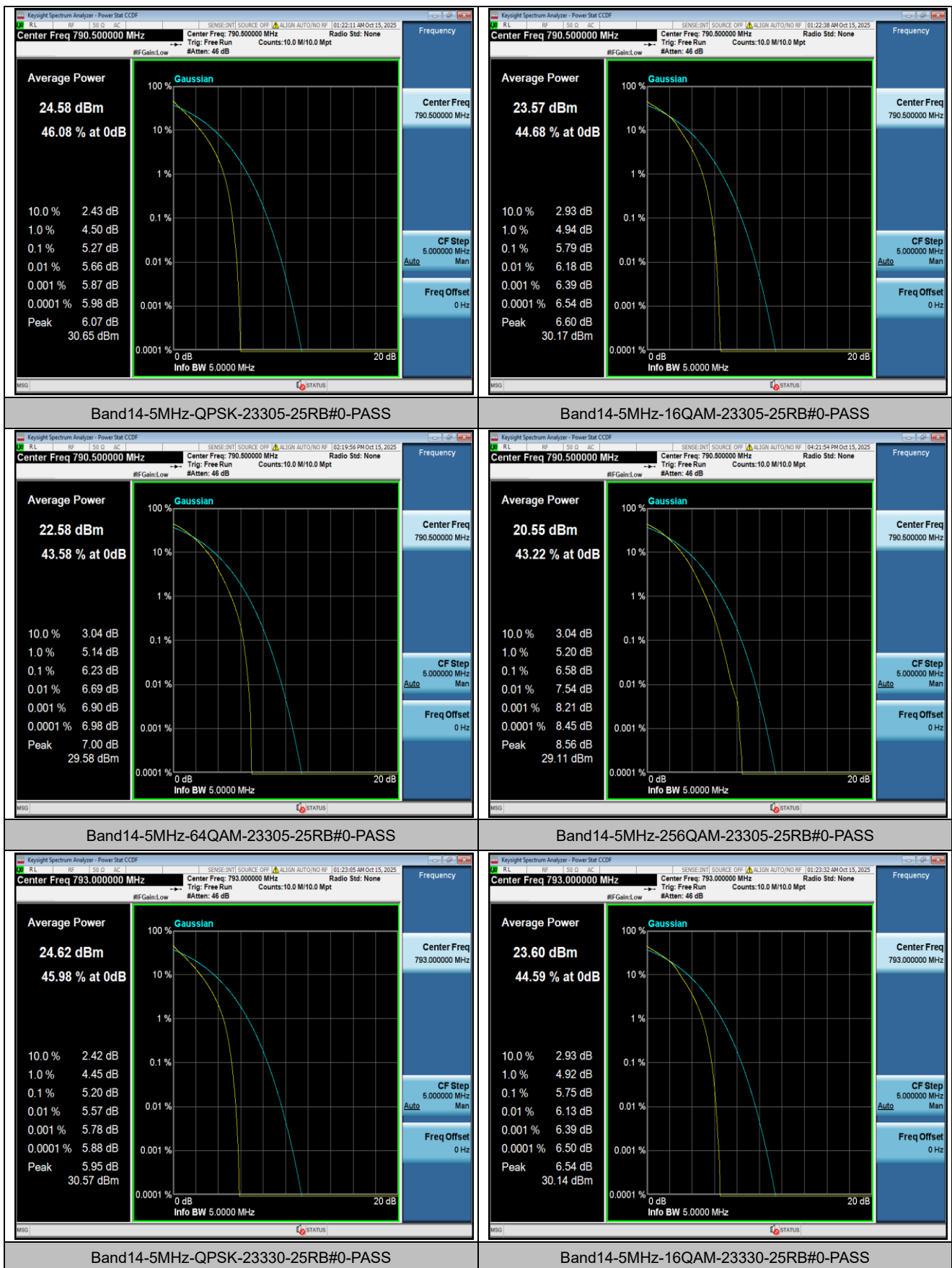
Band14	5MHz	16QAM	23355	1RB#0	23.14	19.39	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#12	22.72	18.97	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#24	22.68	18.93	34.77	PASS
Band14	5MHz	16QAM	23355	25RB#0	21.99	18.24	34.77	PASS
Band14	5MHz	64QAM	23355	1RB#0	22.17	18.42	34.77	PASS
Band14	5MHz	64QAM	23355	1RB#12	22.15	18.4	34.77	PASS
Band14	5MHz	64QAM	23355	1RB#24	22.06	18.31	34.77	PASS
Band14	5MHz	64QAM	23355	25RB#0	20.94	17.19	34.77	PASS
Band14	5MHz	256QAM	23355	1RB#0	18.87	15.12	34.77	PASS
Band14	5MHz	256QAM	23355	1RB#12	18.98	15.23	34.77	PASS
Band14	5MHz	256QAM	23355	1RB#24	19.12	15.37	34.77	PASS
Band14	5MHz	256QAM	23355	25RB#0	18.92	15.17	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#0	23.87	20.12	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#24	23.89	20.14	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#49	23.87	20.12	34.77	PASS
Band14	10MHz	QPSK	23330	50RB#0	22.94	19.19	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#0	23.06	19.31	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#24	22.84	19.09	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#49	22.63	18.88	34.77	PASS
Band14	10MHz	16QAM	23330	50RB#0	21.88	18.13	34.77	PASS
Band14	10MHz	64QAM	23330	1RB#0	21.99	18.24	34.77	PASS
Band14	10MHz	64QAM	23330	1RB#24	22.14	18.39	34.77	PASS
Band14	10MHz	64QAM	23330	1RB#49	21.9	18.15	34.77	PASS
Band14	10MHz	64QAM	23330	50RB#0	20.93	17.18	34.77	PASS
Band14	10MHz	256QAM	23330	1RB#0	18.93	15.18	34.77	PASS
Band14	10MHz	256QAM	23330	1RB#24	18.95	15.2	34.77	PASS
Band14	10MHz	256QAM	23330	1RB#49	19.04	15.29	34.77	PASS
Band14	10MHz	256QAM	23330	50RB#0	18.88	15.13	34.77	PASS

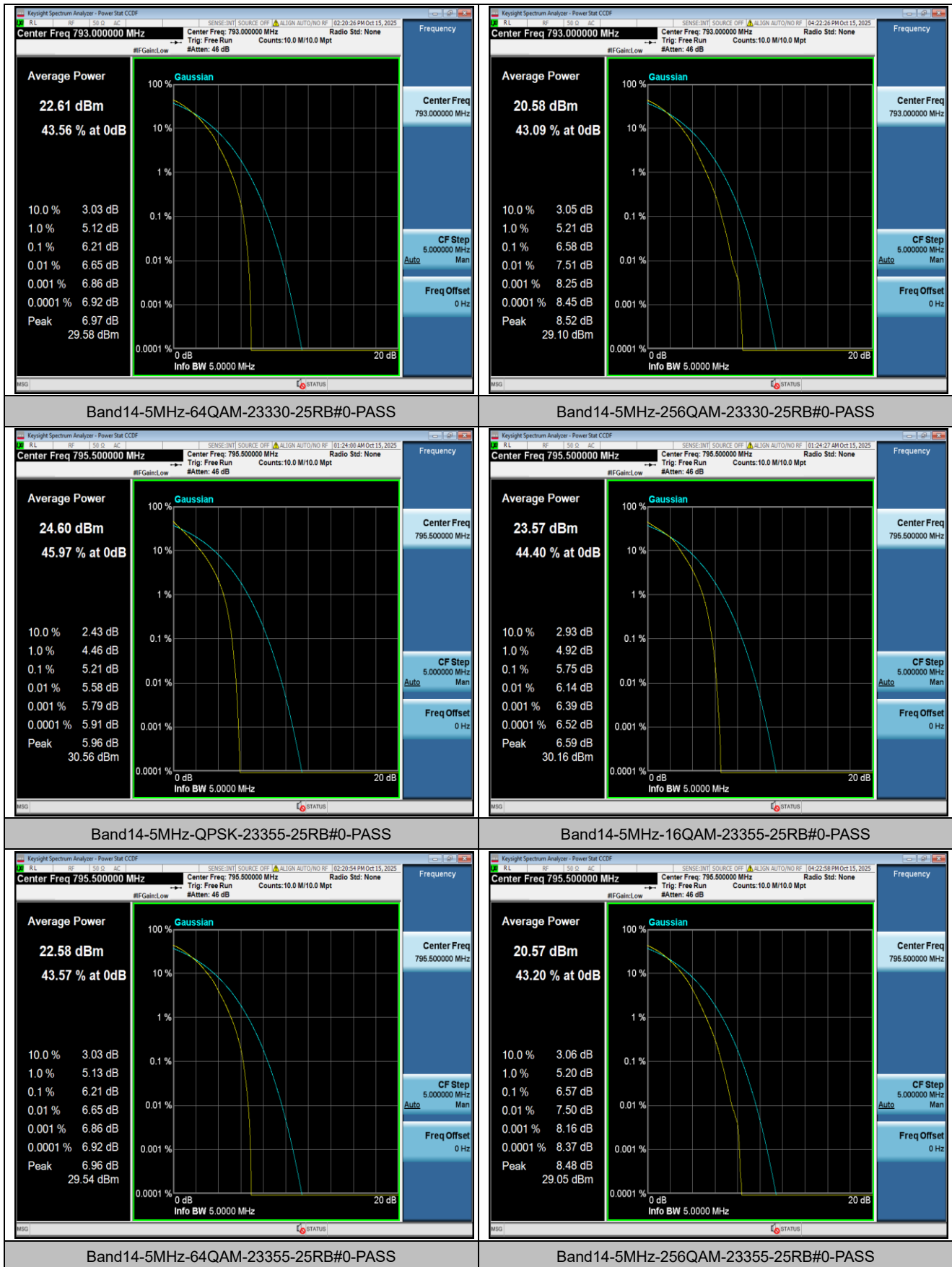
Peak-to-Average Ratio(CCDF)

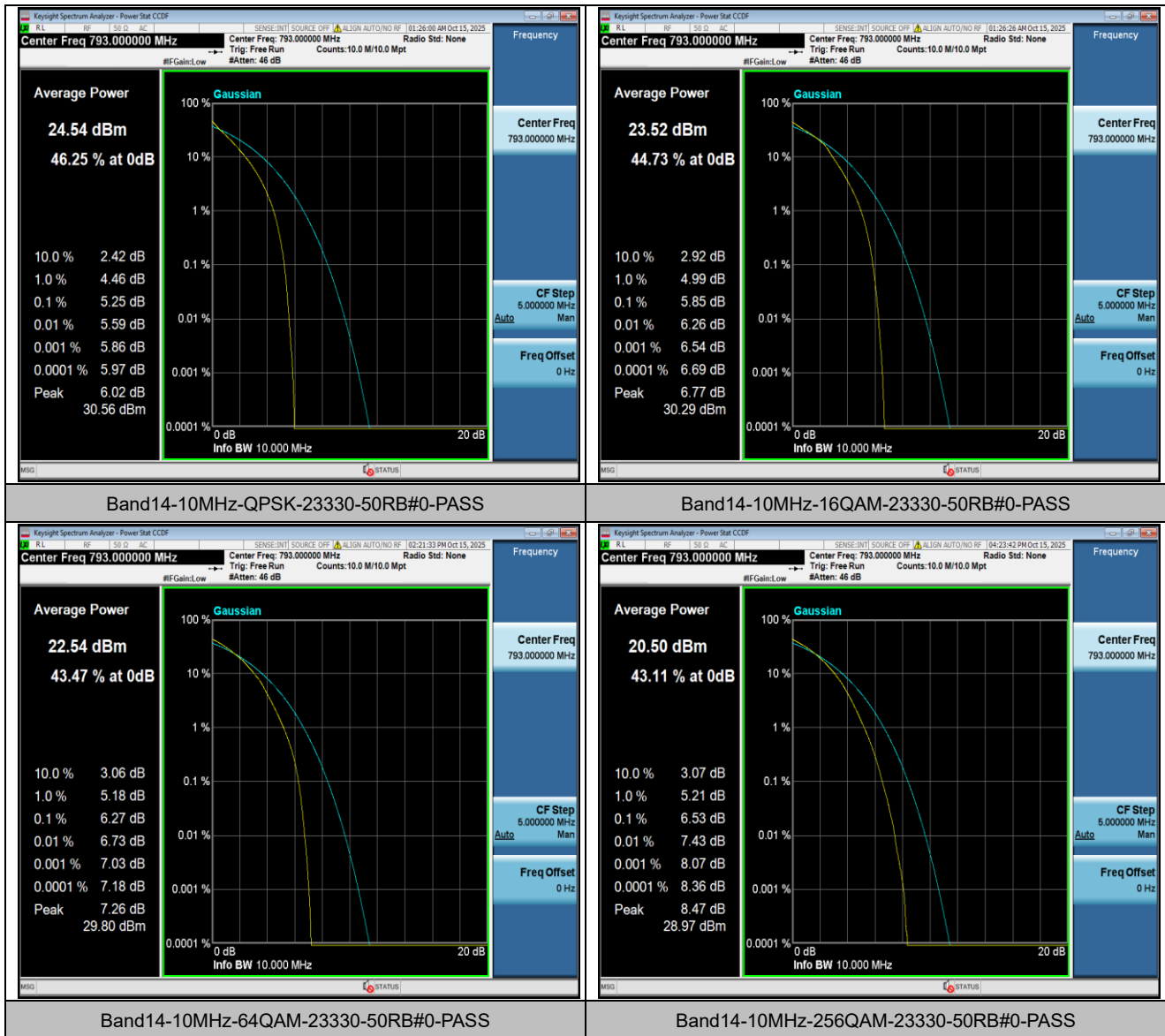
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	5.27	13	PASS
Band14	5MHz	16QAM	23305	25RB#0	5.79	13	PASS
Band14	5MHz	64QAM	23305	25RB#0	6.23	13	PASS
Band14	5MHz	256QAM	23305	25RB#0	6.58	13	PASS
Band14	5MHz	QPSK	23330	25RB#0	5.20	13	PASS
Band14	5MHz	16QAM	23330	25RB#0	5.75	13	PASS
Band14	5MHz	64QAM	23330	25RB#0	6.21	13	PASS
Band14	5MHz	256QAM	23330	25RB#0	6.58	13	PASS
Band14	5MHz	QPSK	23355	25RB#0	5.21	13	PASS
Band14	5MHz	16QAM	23355	25RB#0	5.75	13	PASS
Band14	5MHz	64QAM	23355	25RB#0	6.21	13	PASS
Band14	5MHz	256QAM	23355	25RB#0	6.57	13	PASS
Band14	10MHz	QPSK	23330	50RB#0	5.25	13	PASS
Band14	10MHz	16QAM	23330	50RB#0	5.85	13	PASS
Band14	10MHz	64QAM	23330	50RB#0	6.27	13	PASS
Band14	10MHz	256QAM	23330	50RB#0	6.53	13	PASS

Test Graphs





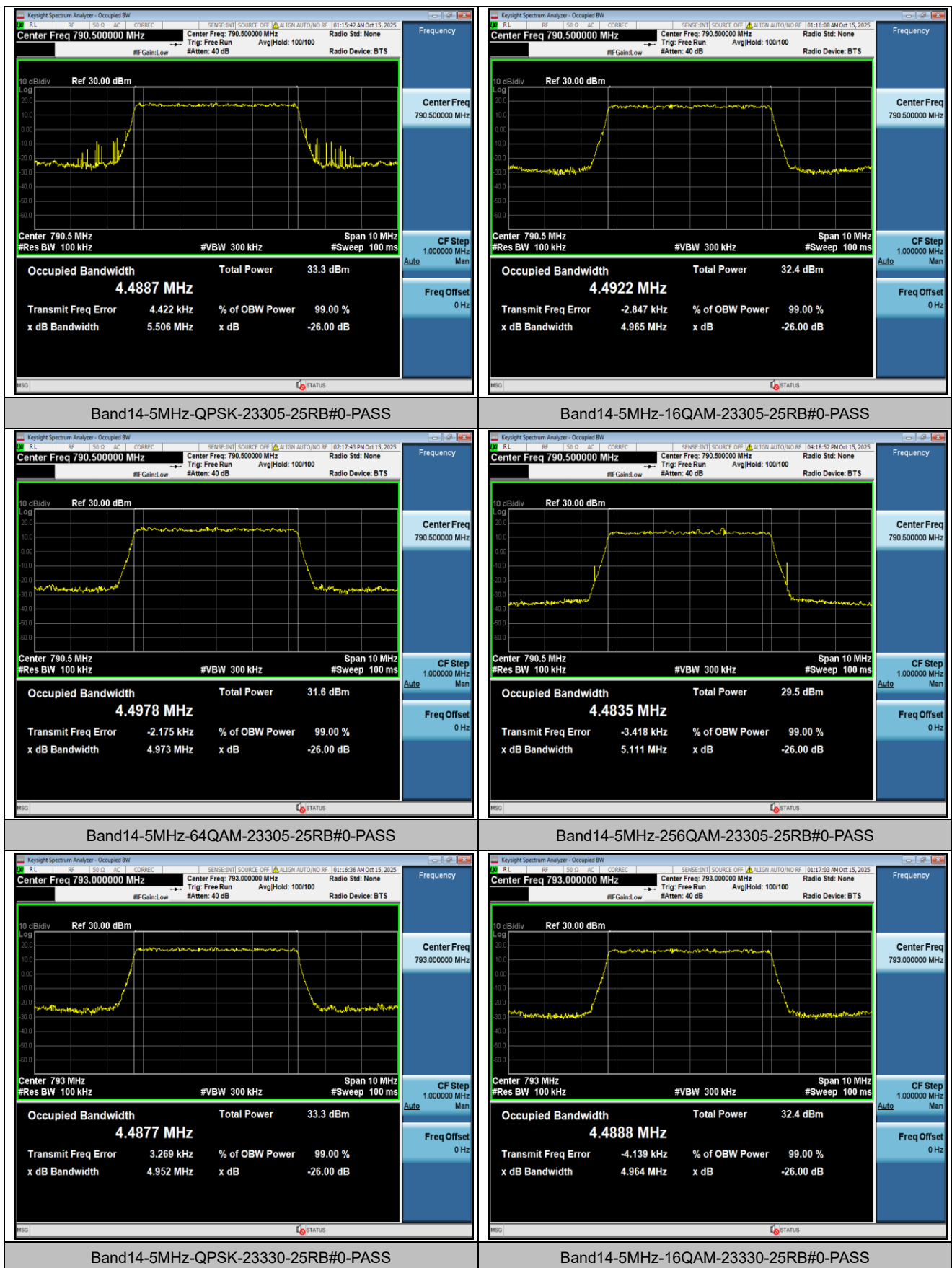


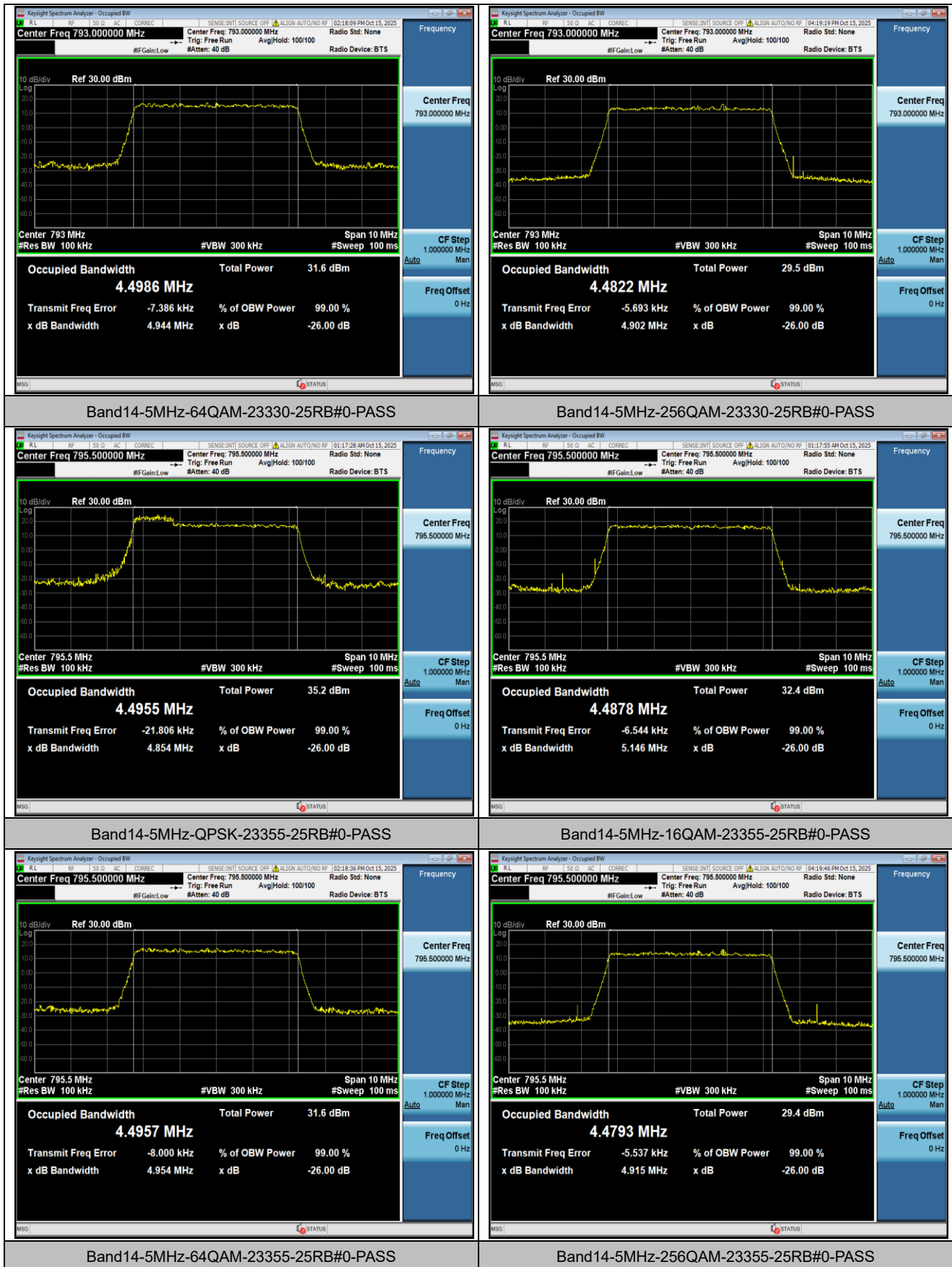
26dB Bandwidth and Occupied Bandwidth

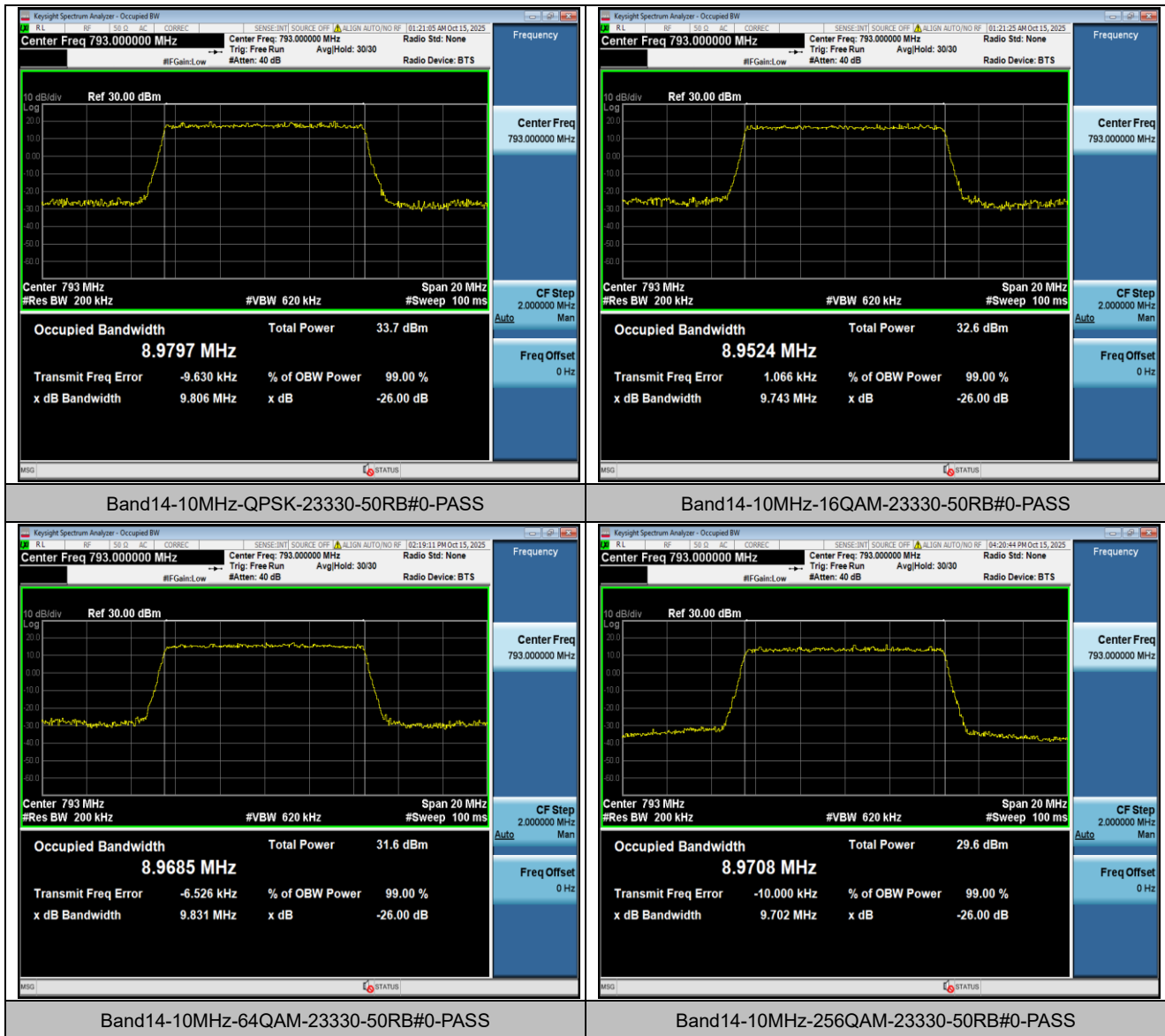
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	4.4887	5.506	PASS
Band14	5MHz	16QAM	23305	25RB#0	4.4922	4.965	PASS
Band14	5MHz	64QAM	23305	25RB#0	4.4978	4.973	PASS
Band14	5MHz	256QAM	23305	25RB#0	4.4835	5.111	PASS
Band14	5MHz	QPSK	23330	25RB#0	4.4877	4.952	PASS
Band14	5MHz	16QAM	23330	25RB#0	4.4888	4.964	PASS
Band14	5MHz	64QAM	23330	25RB#0	4.4986	4.944	PASS
Band14	5MHz	256QAM	23330	25RB#0	4.4822	4.902	PASS
Band14	5MHz	QPSK	23355	25RB#0	4.4955	4.854	PASS
Band14	5MHz	16QAM	23355	25RB#0	4.4878	5.146	PASS
Band14	5MHz	64QAM	23355	25RB#0	4.4957	4.954	PASS
Band14	5MHz	256QAM	23355	25RB#0	4.4793	4.915	PASS
Band14	10MHz	QPSK	23330	50RB#0	8.9797	9.806	PASS
Band14	10MHz	16QAM	23330	50RB#0	8.9524	9.743	PASS
Band14	10MHz	64QAM	23330	50RB#0	8.9685	9.831	PASS
Band14	10MHz	256QAM	23330	50RB#0	8.9708	9.702	PASS

Test Graphs



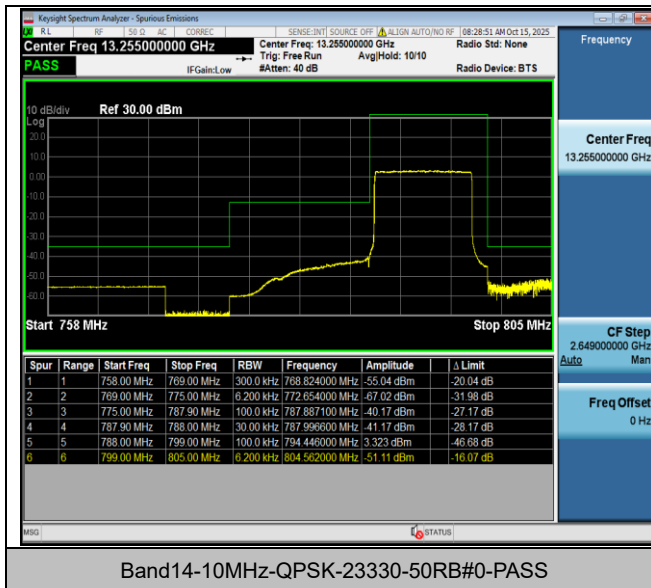




Band Edge

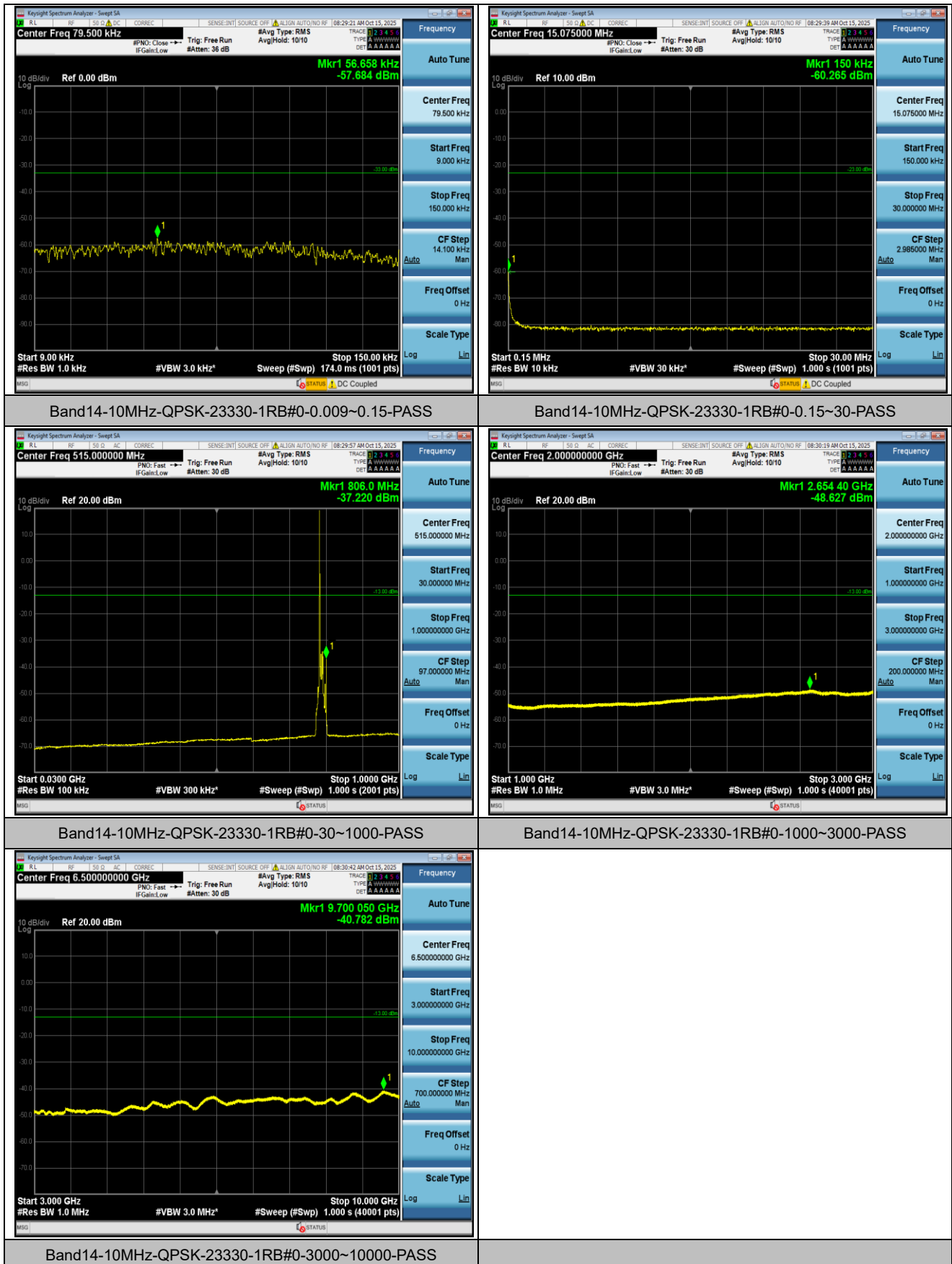
Test Graphs





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	-1.00	-0.001261	PASS
Band14	10MHz	QPSK	23330	50RB#0	VL	NT	2.30	0.002900	PASS
Band14	10MHz	QPSK	23330	50RB#0	VH	NT	1.80	0.002270	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	-1.30	-0.001639	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-20	0.00	0.000000	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-10	-3.30	-0.004161	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	0	-3.00	-0.003783	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	10	-2.40	-0.003026	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	20	-2.00	-0.002522	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	30	-0.10	-0.000126	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	40	-0.80	-0.001009	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	50	-3.60	-0.004540	PASS

~The End~