

Appendix-A LTE Band 12

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	24.32	27.17	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	24.34	27.19	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	24.75	27.6	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.86	26.71	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.87	26.72	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	24.05	26.9	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	24.07	26.92	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.83	25.68	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	22.83	25.68	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	22.91	25.76	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	22.81	25.66	34.77	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	21.81	24.66	34.77	PASS
Band12	1.4MHz	256QAM	23017	1RB#0	19.62	22.47	34.77	PASS
Band12	1.4MHz	256QAM	23017	1RB#2	19.71	22.56	34.77	PASS
Band12	1.4MHz	256QAM	23017	1RB#5	19.67	22.52	34.77	PASS
Band12	1.4MHz	256QAM	23017	6RB#0	19.74	22.59	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	24.11	26.96	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	24.43	27.28	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	24.12	26.97	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	23.64	26.49	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.86	26.71	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.89	26.74	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	23.85	26.7	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.69	25.54	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	22.95	25.8	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	22.81	25.66	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	22.85	25.7	34.77	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	21.68	24.53	34.77	PASS
Band12	1.4MHz	256QAM	23095	1RB#0	19.93	22.78	34.77	PASS
Band12	1.4MHz	256QAM	23095	1RB#2	19.82	22.67	34.77	PASS
Band12	1.4MHz	256QAM	23095	1RB#5	19.62	22.47	34.77	PASS
Band12	1.4MHz	256QAM	23095	6RB#0	19.62	22.47	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	24.25	27.1	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	24.5	27.35	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	24.34	27.19	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	23.77	26.62	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.98	26.83	34.77	PASS

Band12	1.4MHz	16QAM	23173	1RB#2	24.04	26.89	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	24.08	26.93	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	22.87	25.72	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	22.96	25.81	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	22.93	25.78	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	22.85	25.7	34.77	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	21.84	24.69	34.77	PASS
Band12	1.4MHz	256QAM	23173	1RB#0	19.75	22.6	34.77	PASS
Band12	1.4MHz	256QAM	23173	1RB#2	20.09	22.94	34.77	PASS
Band12	1.4MHz	256QAM	23173	1RB#5	19.6	22.45	34.77	PASS
Band12	1.4MHz	256QAM	23173	6RB#0	19.75	22.6	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	24.37	27.22	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	24.32	27.17	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	24.35	27.2	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	23.97	26.82	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	24.06	26.91	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	24.09	26.94	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	24.02	26.87	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.97	25.82	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#0	23.05	25.9	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#8	23.03	25.88	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#14	22.88	25.73	34.77	PASS
Band12	3MHz	64QAM	23025	15RB#0	21.84	24.69	34.77	PASS
Band12	3MHz	256QAM	23025	1RB#0	20.01	22.86	34.77	PASS
Band12	3MHz	256QAM	23025	1RB#8	19.75	22.6	34.77	PASS
Band12	3MHz	256QAM	23025	1RB#14	20.03	22.88	34.77	PASS
Band12	3MHz	256QAM	23025	15RB#0	19.84	22.69	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	24.22	27.07	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	24.44	27.29	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	24.27	27.12	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	23.71	26.56	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	24.04	26.89	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	24.03	26.88	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	23.88	26.73	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	22.71	25.56	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#0	22.97	25.82	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#8	22.92	25.77	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#14	22.95	25.8	34.77	PASS
Band12	3MHz	64QAM	23095	15RB#0	21.66	24.51	34.77	PASS
Band12	3MHz	256QAM	23095	1RB#0	19.68	22.53	34.77	PASS
Band12	3MHz	256QAM	23095	1RB#8	19.63	22.48	34.77	PASS
Band12	3MHz	256QAM	23095	1RB#14	19.92	22.77	34.77	PASS
Band12	3MHz	256QAM	23095	15RB#0	19.71	22.56	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	24.26	27.11	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	24.25	27.1	34.77	PASS

Band12	3MHz	QPSK	23165	1RB#14	24.24	27.09	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	23.73	26.58	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	24.06	26.91	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	24.05	26.9	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	24.01	26.86	34.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	22.8	25.65	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#0	22.95	25.8	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#8	22.96	25.81	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#14	22.95	25.8	34.77	PASS
Band12	3MHz	64QAM	23165	15RB#0	21.7	24.55	34.77	PASS
Band12	3MHz	256QAM	23165	1RB#0	19.78	22.63	34.77	PASS
Band12	3MHz	256QAM	23165	1RB#8	19.93	22.78	34.77	PASS
Band12	3MHz	256QAM	23165	1RB#14	19.64	22.49	34.77	PASS
Band12	3MHz	256QAM	23165	15RB#0	19.67	22.52	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	24.37	27.22	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	24.32	27.17	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	24.23	27.08	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	23.94	26.79	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	23.85	26.7	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	24.05	26.9	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	23.92	26.77	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	22.91	25.76	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#0	22.92	25.77	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#12	22.93	25.78	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#24	22.91	25.76	34.77	PASS
Band12	5MHz	64QAM	23035	25RB#0	21.72	24.57	34.77	PASS
Band12	5MHz	256QAM	23035	1RB#0	20.11	22.96	34.77	PASS
Band12	5MHz	256QAM	23035	1RB#12	19.82	22.67	34.77	PASS
Band12	5MHz	256QAM	23035	1RB#24	19.82	22.67	34.77	PASS
Band12	5MHz	256QAM	23035	25RB#0	19.78	22.63	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	24.25	27.1	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	24.42	27.27	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	24.15	27	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	23.71	26.56	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	24.05	26.9	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	23.96	26.81	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.88	26.73	34.77	PASS
Band12	5MHz	16QAM	23095	25RB#0	22.73	25.58	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#0	22.9	25.75	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#12	22.89	25.74	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#24	22.9	25.75	34.77	PASS
Band12	5MHz	64QAM	23095	25RB#0	21.62	24.47	34.77	PASS
Band12	5MHz	256QAM	23095	1RB#0	19.71	22.56	34.77	PASS
Band12	5MHz	256QAM	23095	1RB#12	19.87	22.72	34.77	PASS
Band12	5MHz	256QAM	23095	1RB#24	19.57	22.42	34.77	PASS

Band12	5MHz	256QAM	23095	25RB#0	19.61	22.46	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	24.22	27.07	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	24.41	27.26	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	24.26	27.11	34.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	23.8	26.65	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	23.9	26.75	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	24.08	26.93	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	24.01	26.86	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	22.86	25.71	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#0	22.89	25.74	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#12	22.83	25.68	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#24	22.88	25.73	34.77	PASS
Band12	5MHz	64QAM	23155	25RB#0	21.68	24.53	34.77	PASS
Band12	5MHz	256QAM	23155	1RB#0	19.83	22.68	34.77	PASS
Band12	5MHz	256QAM	23155	1RB#12	20.01	22.86	34.77	PASS
Band12	5MHz	256QAM	23155	1RB#24	19.69	22.54	34.77	PASS
Band12	5MHz	256QAM	23155	25RB#0	19.81	22.66	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	24.62	27.47	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	24.25	27.1	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	24.18	27.03	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	23.89	26.74	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	24.02	26.87	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	23.98	26.83	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	24	26.85	34.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	22.86	25.71	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	22.9	25.75	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#24	23.04	25.89	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#49	22.97	25.82	34.77	PASS
Band12	10MHz	64QAM	23060	50RB#0	21.81	24.66	34.77	PASS
Band12	10MHz	256QAM	23060	1RB#0	19.66	22.51	34.77	PASS
Band12	10MHz	256QAM	23060	1RB#24	19.88	22.73	34.77	PASS
Band12	10MHz	256QAM	23060	1RB#49	19.89	22.74	34.77	PASS
Band12	10MHz	256QAM	23060	50RB#0	19.81	22.66	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	24.01	26.86	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	24.44	27.29	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	24.18	27.03	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	23.74	26.59	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	24.06	26.91	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	24.05	26.9	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.94	26.79	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	22.85	25.7	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#0	22.8	25.65	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#24	23.08	25.93	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#49	22.87	25.72	34.77	PASS
Band12	10MHz	64QAM	23095	50RB#0	21.63	24.48	34.77	PASS

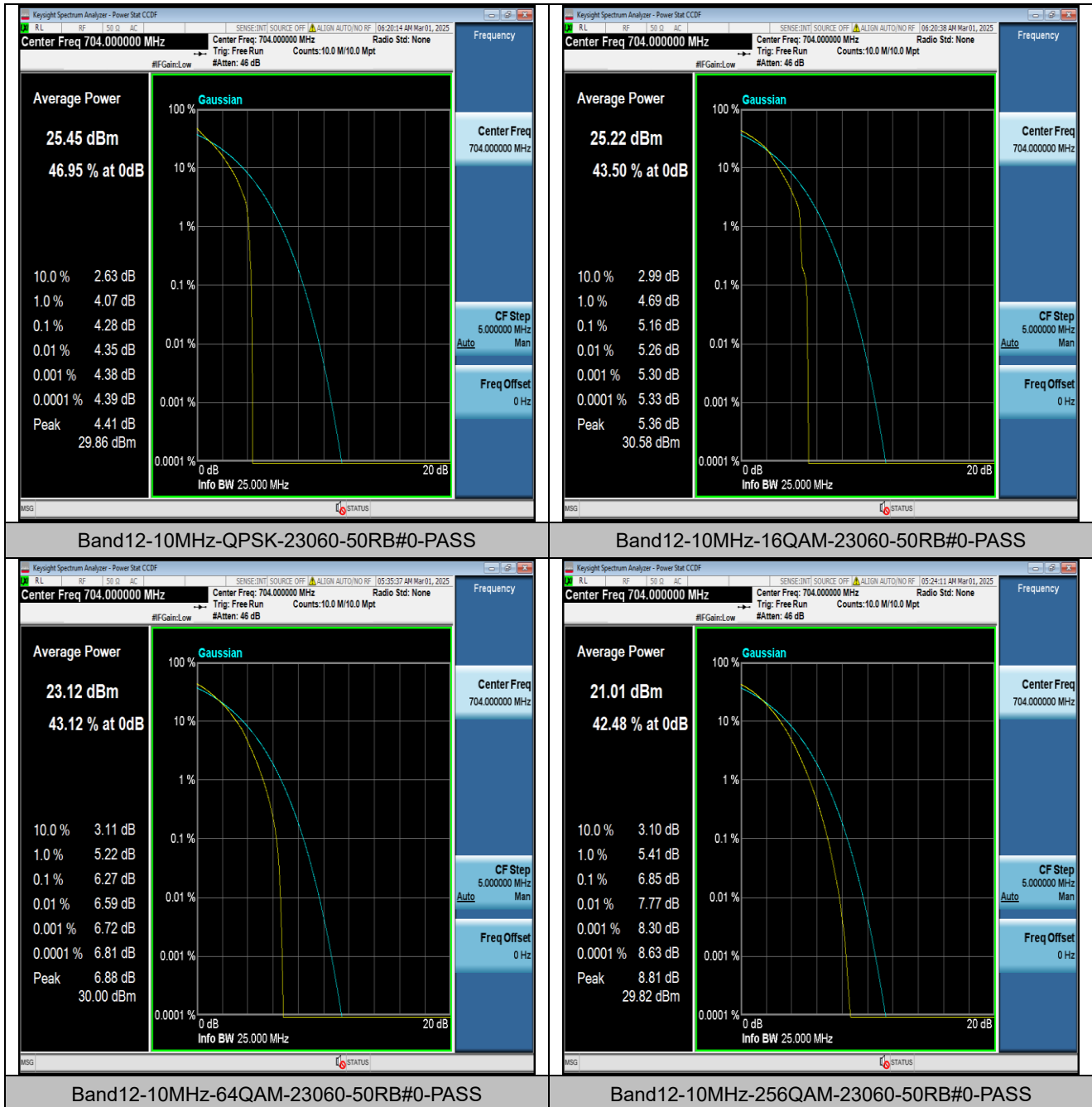
Band12	10MHz	256QAM	23095	1RB#0	20.23	23.08	34.77	PASS
Band12	10MHz	256QAM	23095	1RB#24	20.13	22.98	34.77	PASS
Band12	10MHz	256QAM	23095	1RB#49	19.86	22.71	34.77	PASS
Band12	10MHz	256QAM	23095	50RB#0	19.68	22.53	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	24.3	27.15	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	24.17	27.02	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	24.18	27.03	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	23.84	26.69	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.96	26.81	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	24.02	26.87	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.83	26.68	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	22.83	25.68	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#0	22.81	25.66	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#24	22.95	25.8	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#49	22.96	25.81	34.77	PASS
Band12	10MHz	64QAM	23130	50RB#0	21.74	24.59	34.77	PASS
Band12	10MHz	256QAM	23130	1RB#0	19.76	22.61	34.77	PASS
Band12	10MHz	256QAM	23130	1RB#24	19.82	22.67	34.77	PASS
Band12	10MHz	256QAM	23130	1RB#49	19.71	22.56	34.77	PASS
Band12	10MHz	256QAM	23130	50RB#0	19.73	22.58	34.77	PASS

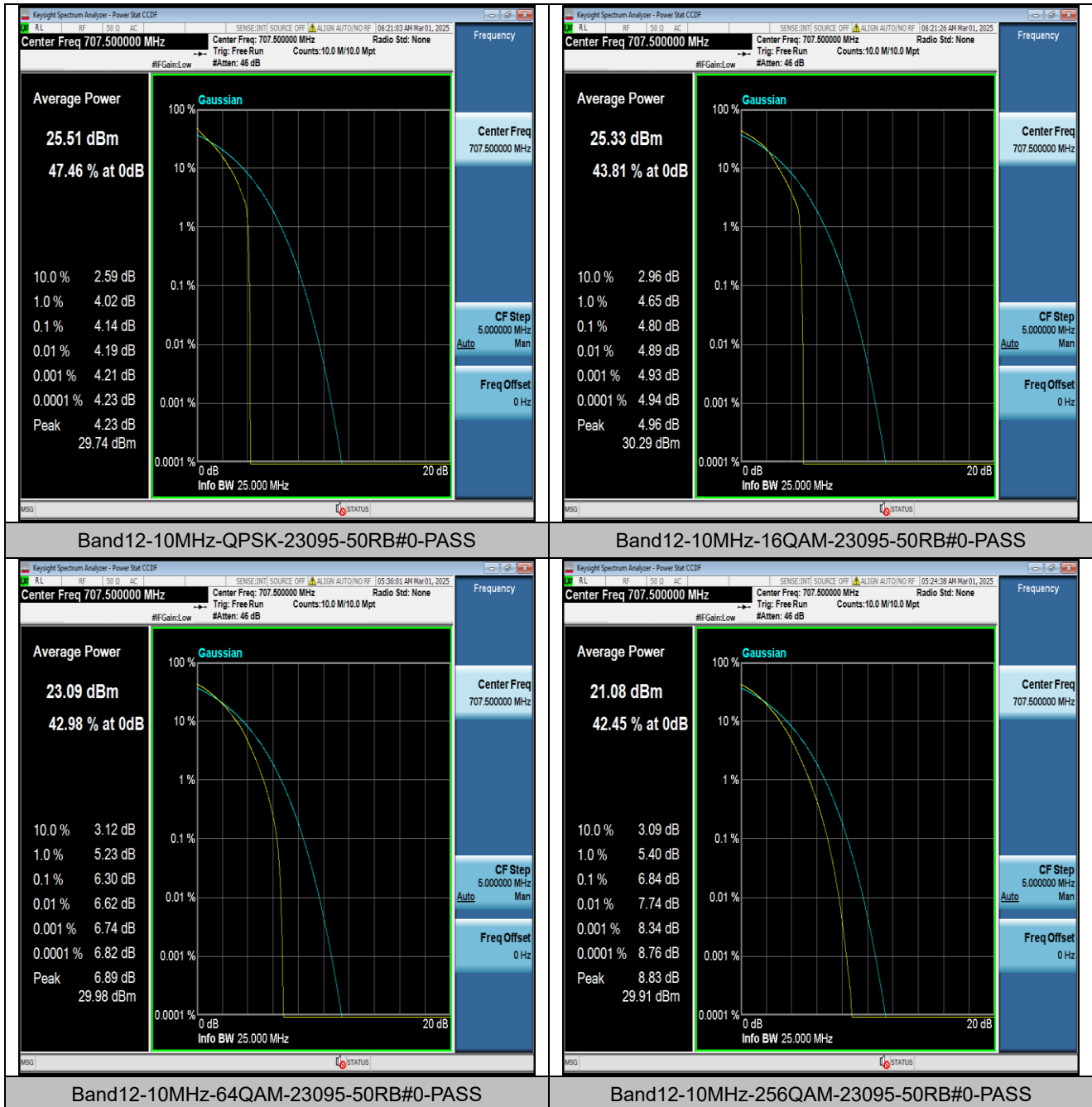
Peak-to-Average Ratio(CCDF)

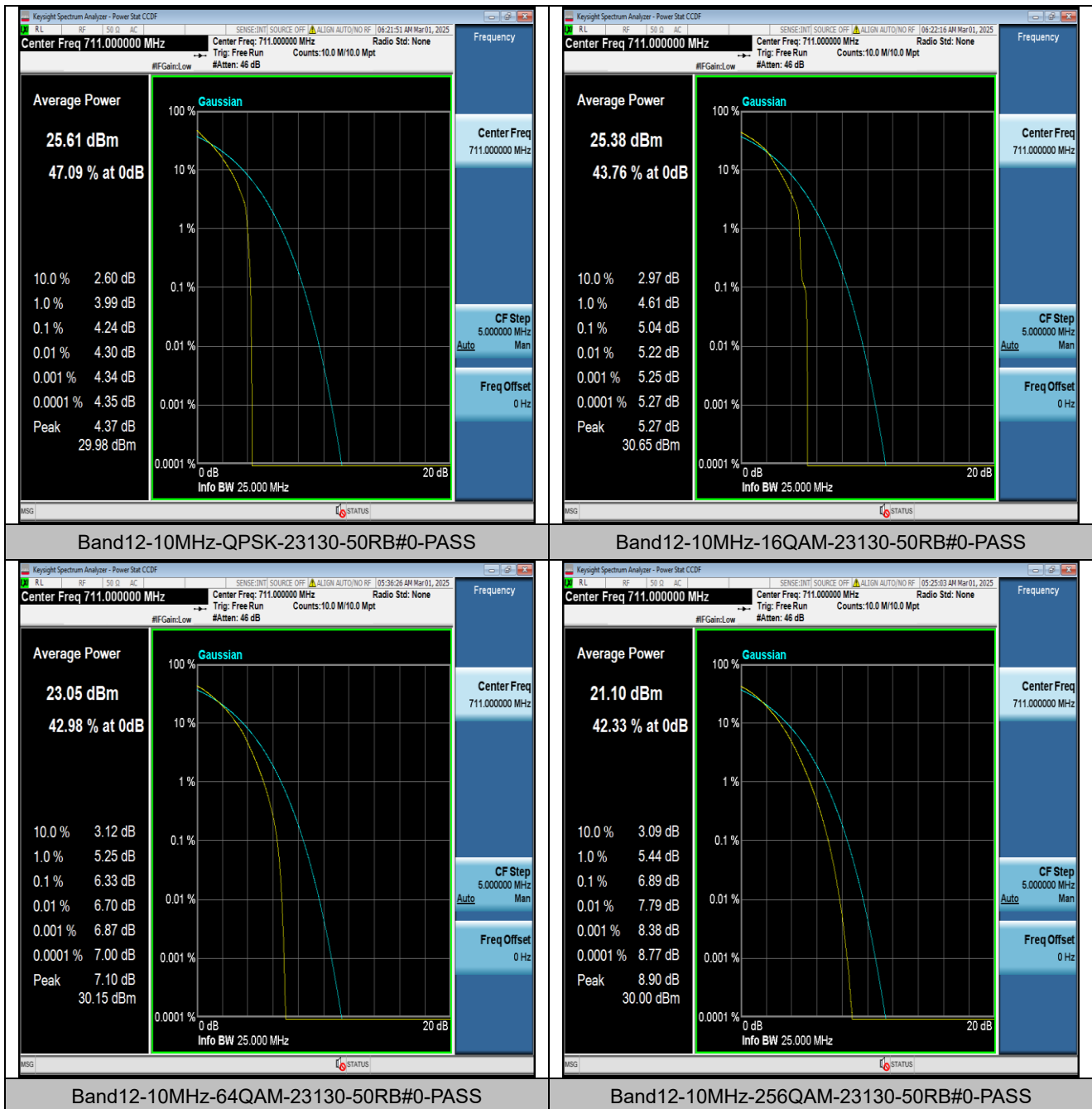
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	4.28	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.16	13	PASS
Band12	10MHz	64QAM	23060	50RB#0	6.27	13	PASS
Band12	10MHz	256QAM	23060	50RB#0	6.85	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	4.14	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	4.80	13	PASS
Band12	10MHz	64QAM	23095	50RB#0	6.30	13	PASS
Band12	10MHz	256QAM	23095	50RB#0	6.84	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	4.24	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.04	13	PASS
Band12	10MHz	64QAM	23130	50RB#0	6.33	13	PASS
Band12	10MHz	256QAM	23130	50RB#0	6.89	13	PASS

Test Graphs







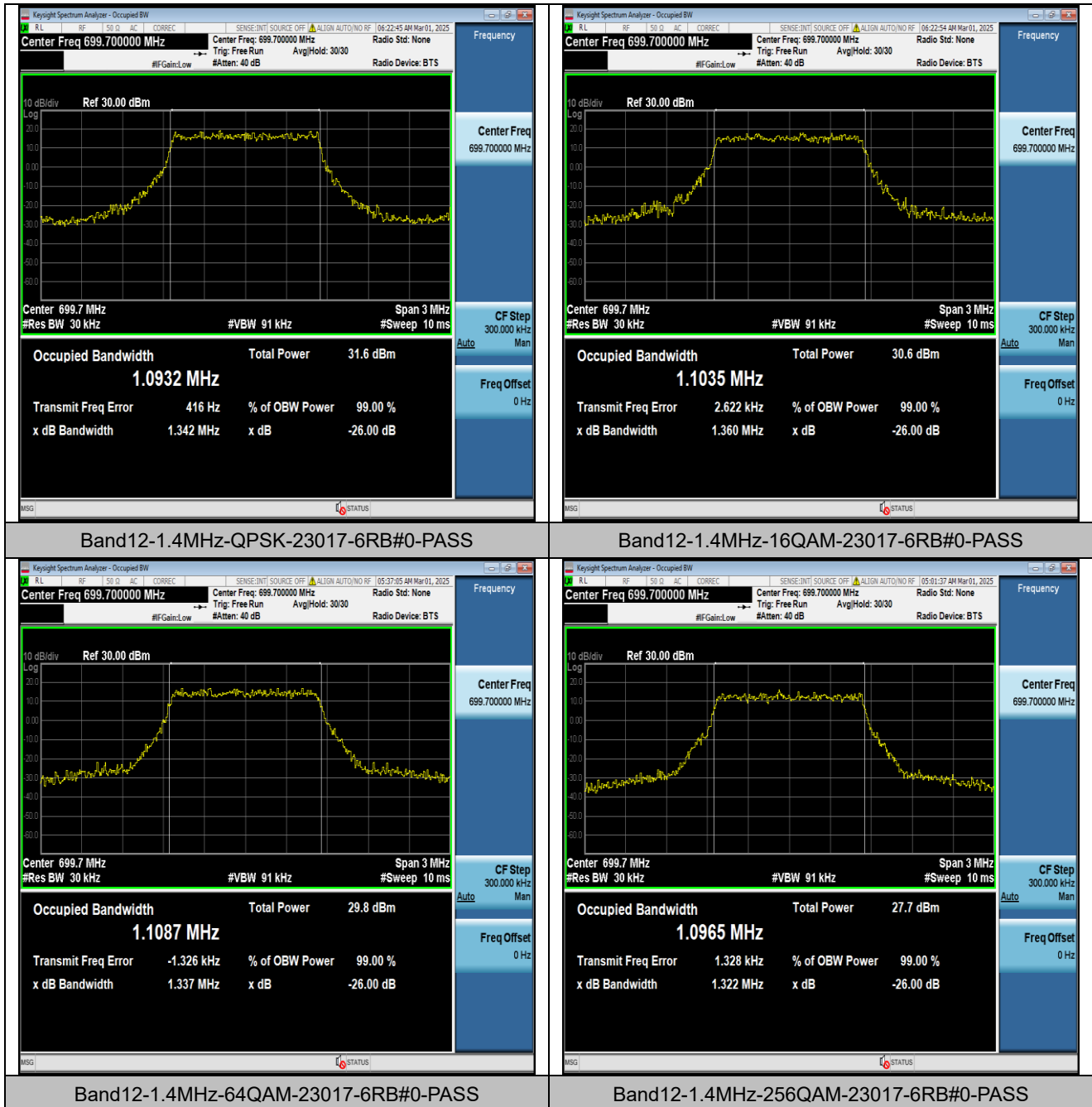
26dB Bandwidth and Occupied Bandwidth

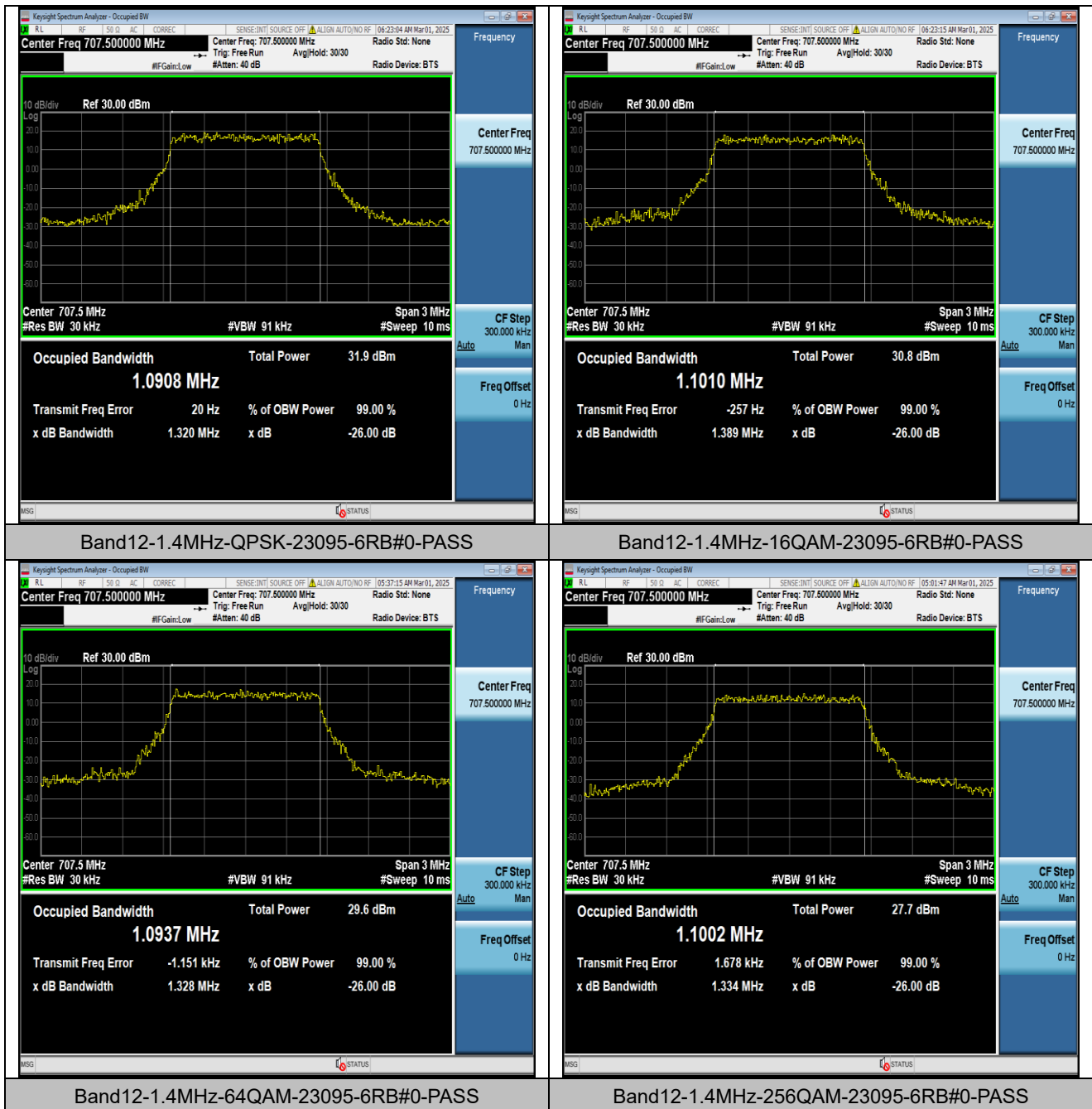
Test Result

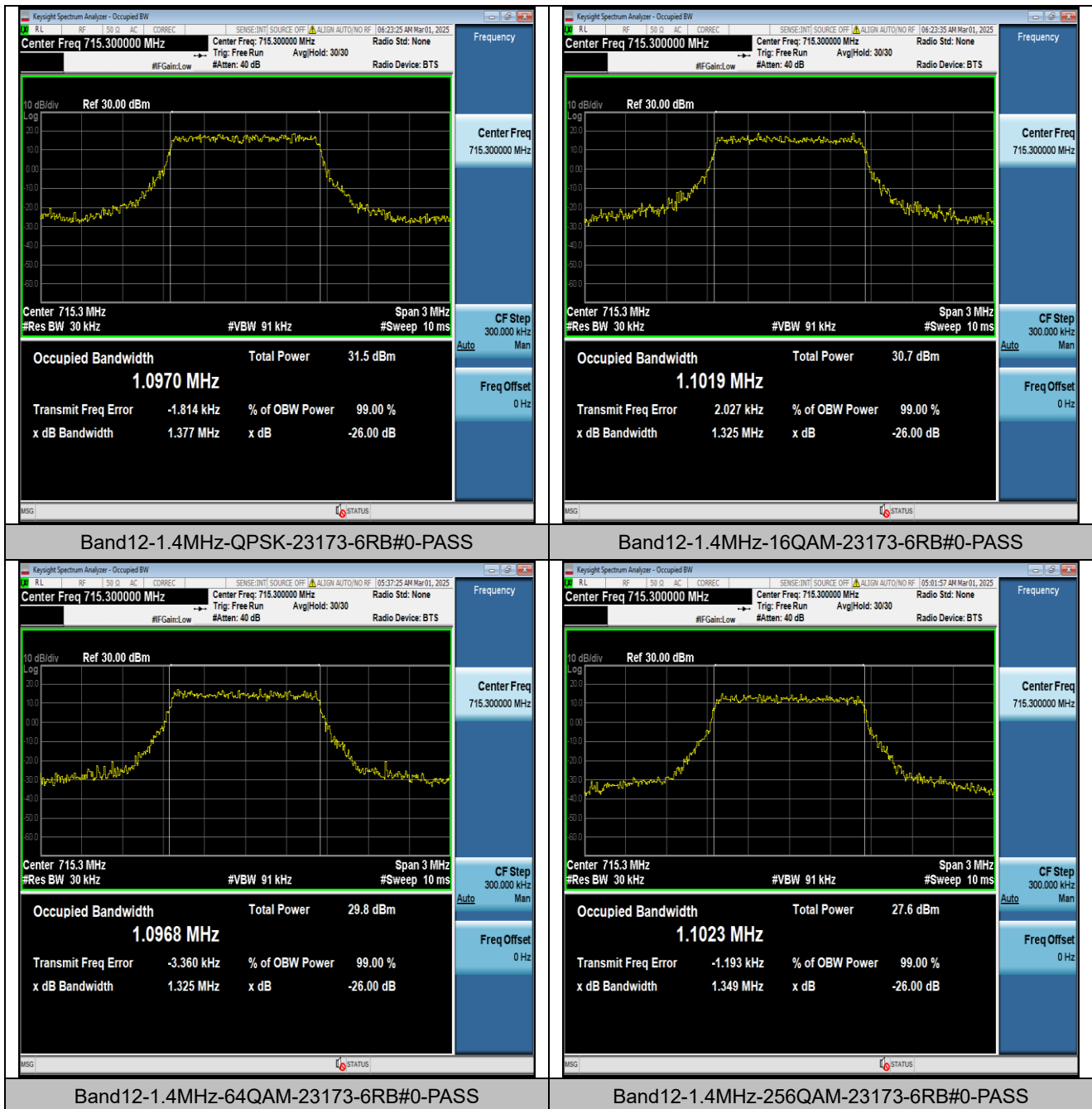
Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0932	1.342	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1035	1.360	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	1.1087	1.337	PASS
Band12	1.4MHz	256QAM	23017	6RB#0	1.0965	1.322	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0908	1.320	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.1010	1.389	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.0937	1.328	PASS
Band12	1.4MHz	256QAM	23095	6RB#0	1.1002	1.334	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0970	1.377	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.1019	1.325	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	1.0968	1.325	PASS
Band12	1.4MHz	256QAM	23173	6RB#0	1.1023	1.349	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7023	2.985	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6973	3.026	PASS
Band12	3MHz	64QAM	23025	15RB#0	2.7016	2.988	PASS
Band12	3MHz	256QAM	23025	15RB#0	2.6917	3.020	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6880	3.020	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6895	3.000	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.6950	2.997	PASS
Band12	3MHz	256QAM	23095	15RB#0	2.6905	3.026	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6891	2.994	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7009	2.994	PASS
Band12	3MHz	64QAM	23165	15RB#0	2.6928	2.990	PASS
Band12	3MHz	256QAM	23165	15RB#0	2.6954	3.032	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.4895	5.108	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.4913	4.958	PASS
Band12	5MHz	64QAM	23035	25RB#0	4.5089	5.126	PASS
Band12	5MHz	256QAM	23035	25RB#0	4.4878	5.028	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.4875	4.987	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.4969	5.078	PASS
Band12	5MHz	64QAM	23095	25RB#0	4.4827	5.088	PASS
Band12	5MHz	256QAM	23095	25RB#0	4.5011	5.076	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.4850	5.108	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.4995	5.055	PASS
Band12	5MHz	64QAM	23155	25RB#0	4.4913	4.984	PASS
Band12	5MHz	256QAM	23155	25RB#0	4.4850	5.071	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9511	9.953	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9780	9.980	PASS

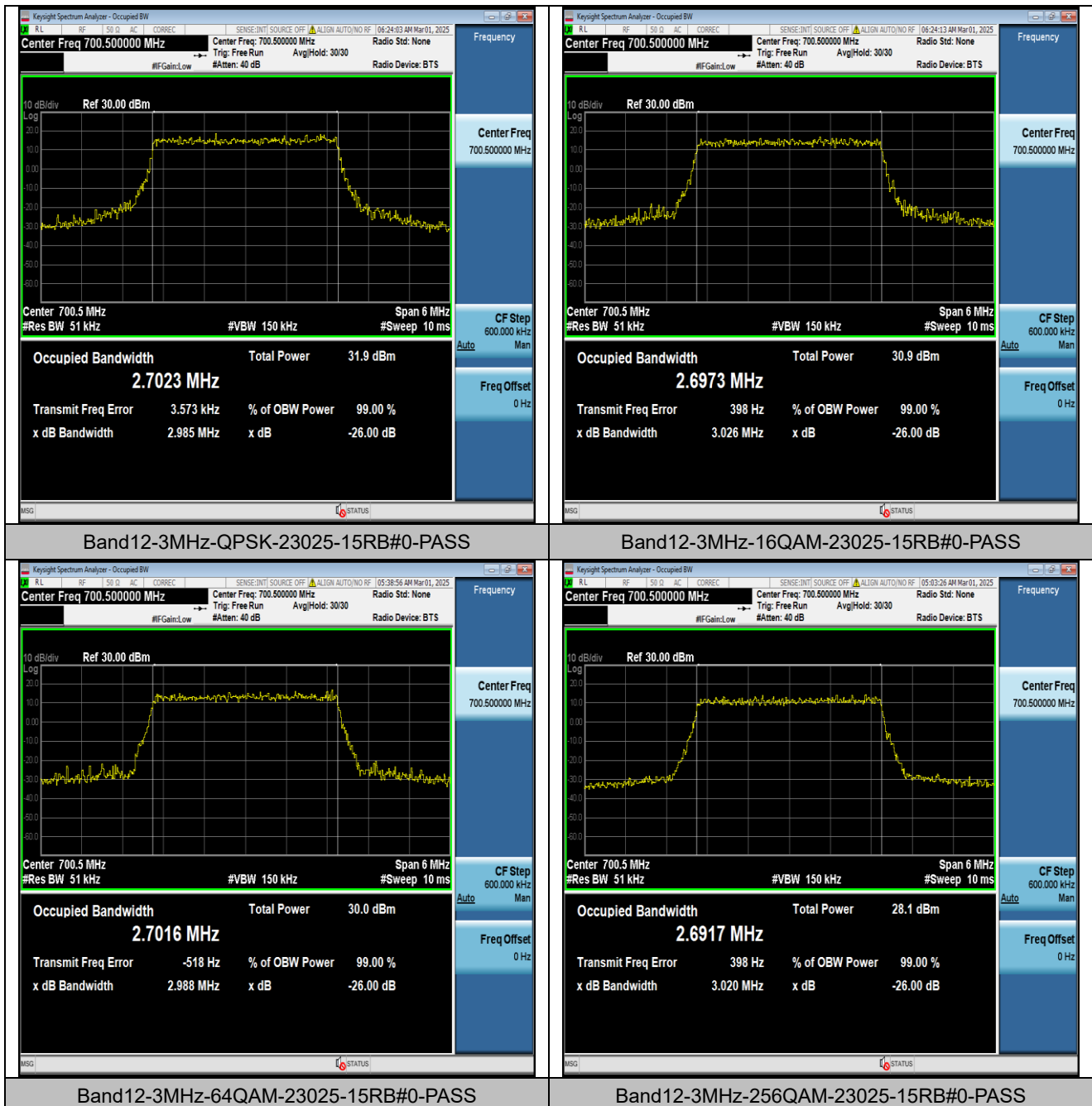
Band12	10MHz	64QAM	23060	50RB#0	8.9772	9.921	PASS
Band12	10MHz	256QAM	23060	50RB#0	8.9829	9.831	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9743	9.823	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9561	9.882	PASS
Band12	10MHz	64QAM	23095	50RB#0	8.9828	10.03	PASS
Band12	10MHz	256QAM	23095	50RB#0	8.9508	9.952	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9794	9.946	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9735	9.998	PASS
Band12	10MHz	64QAM	23130	50RB#0	8.9739	10.09	PASS
Band12	10MHz	256QAM	23130	50RB#0	8.9947	9.838	PASS

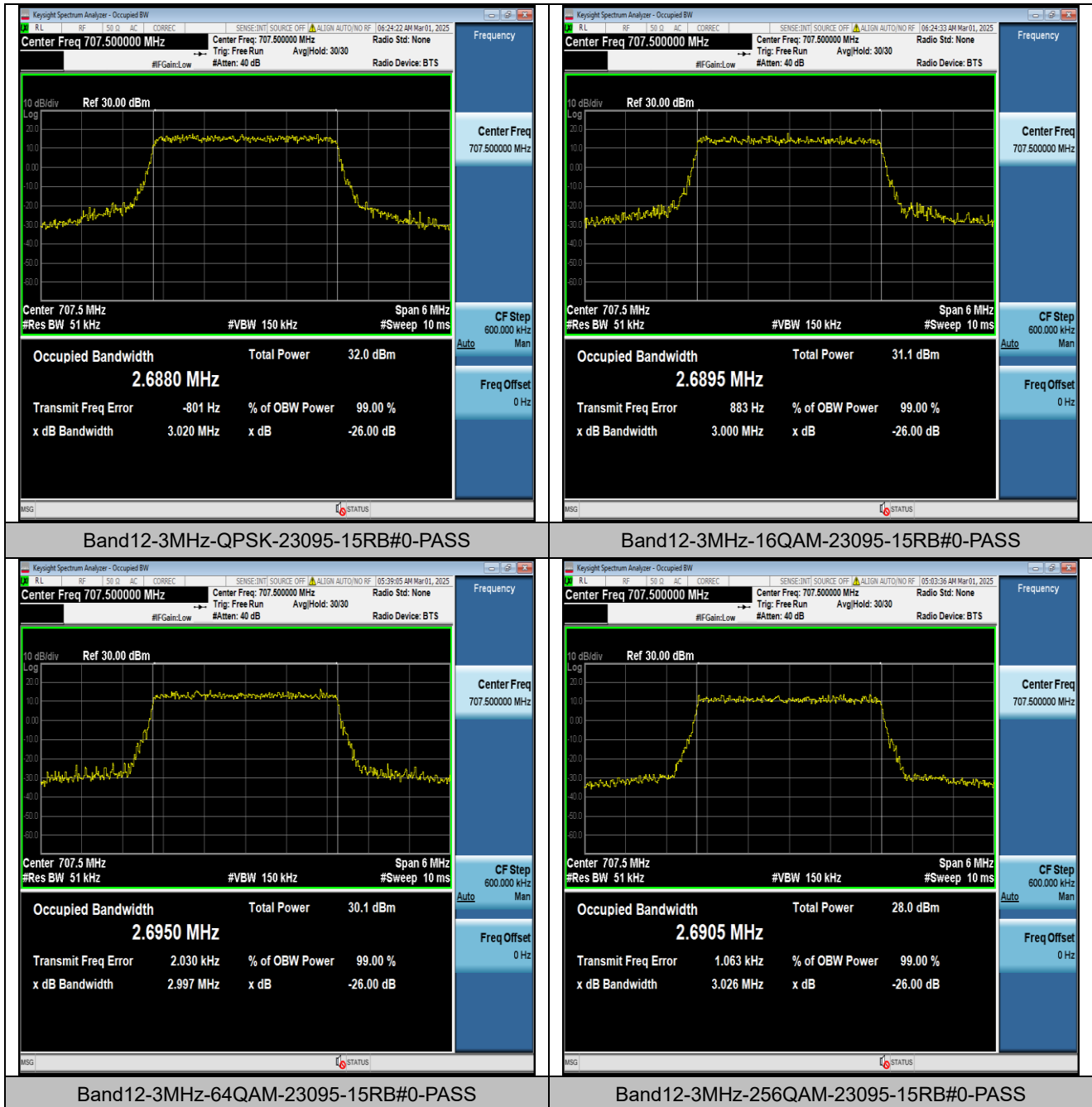
Test Graphs

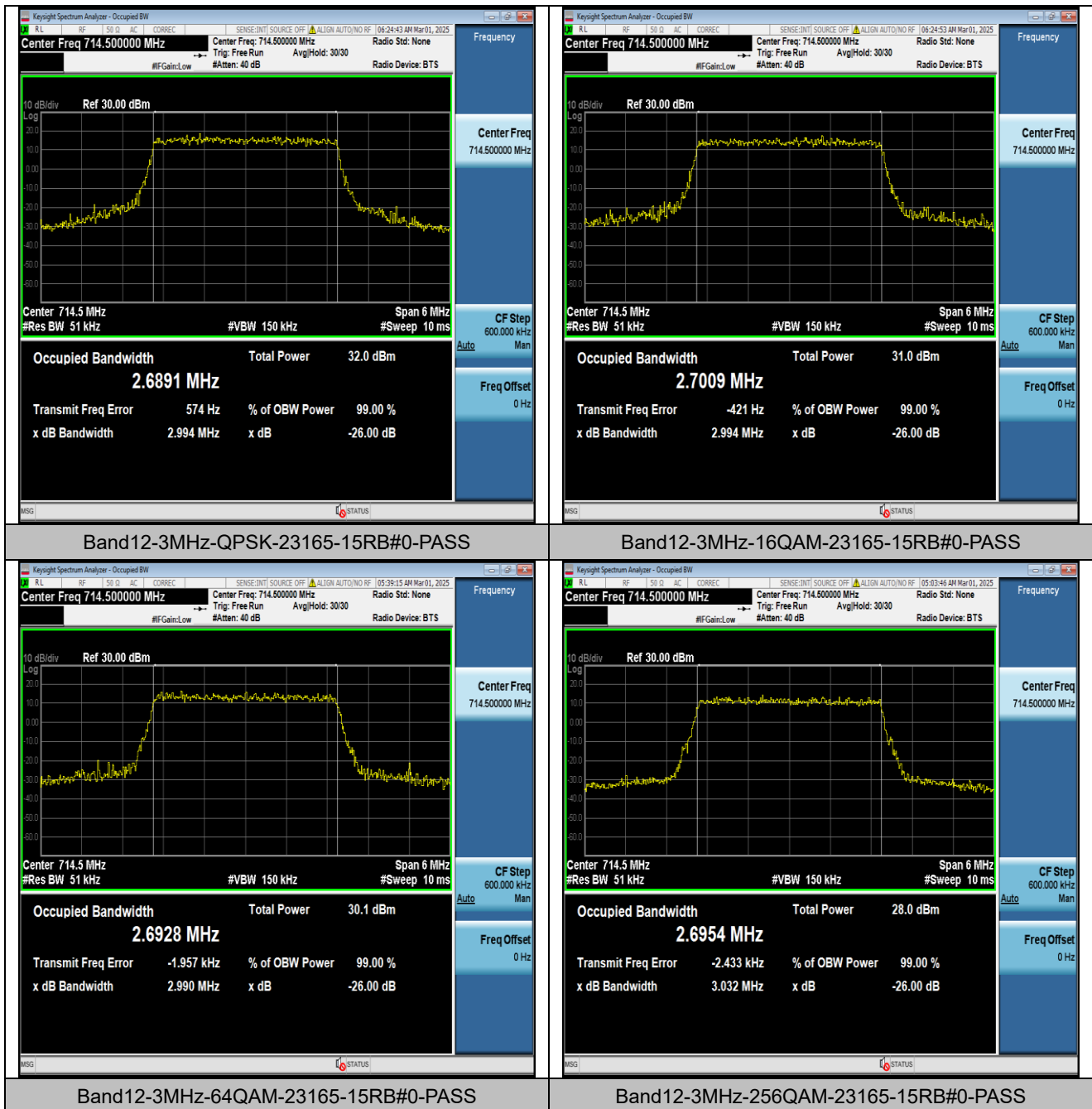


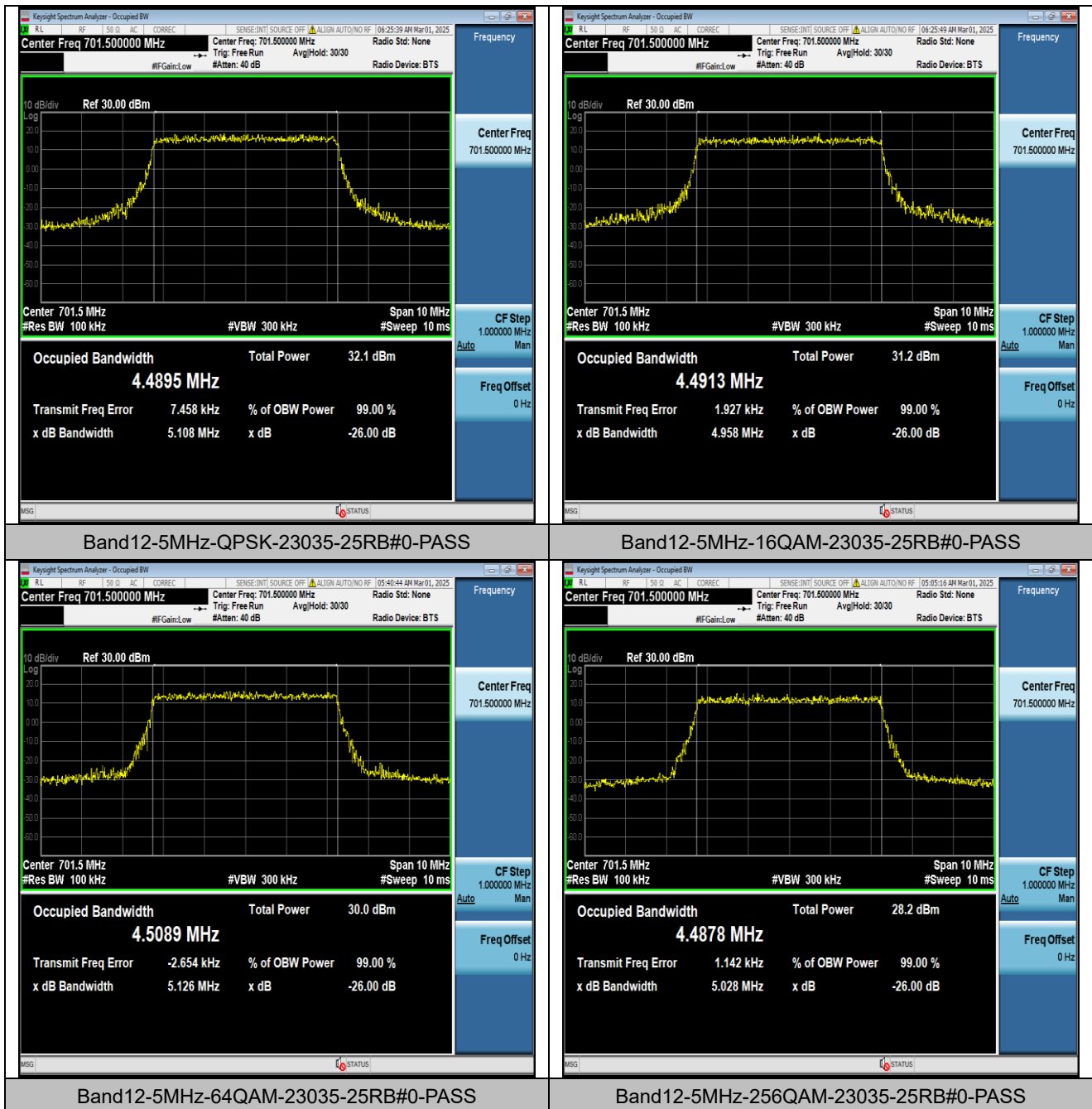


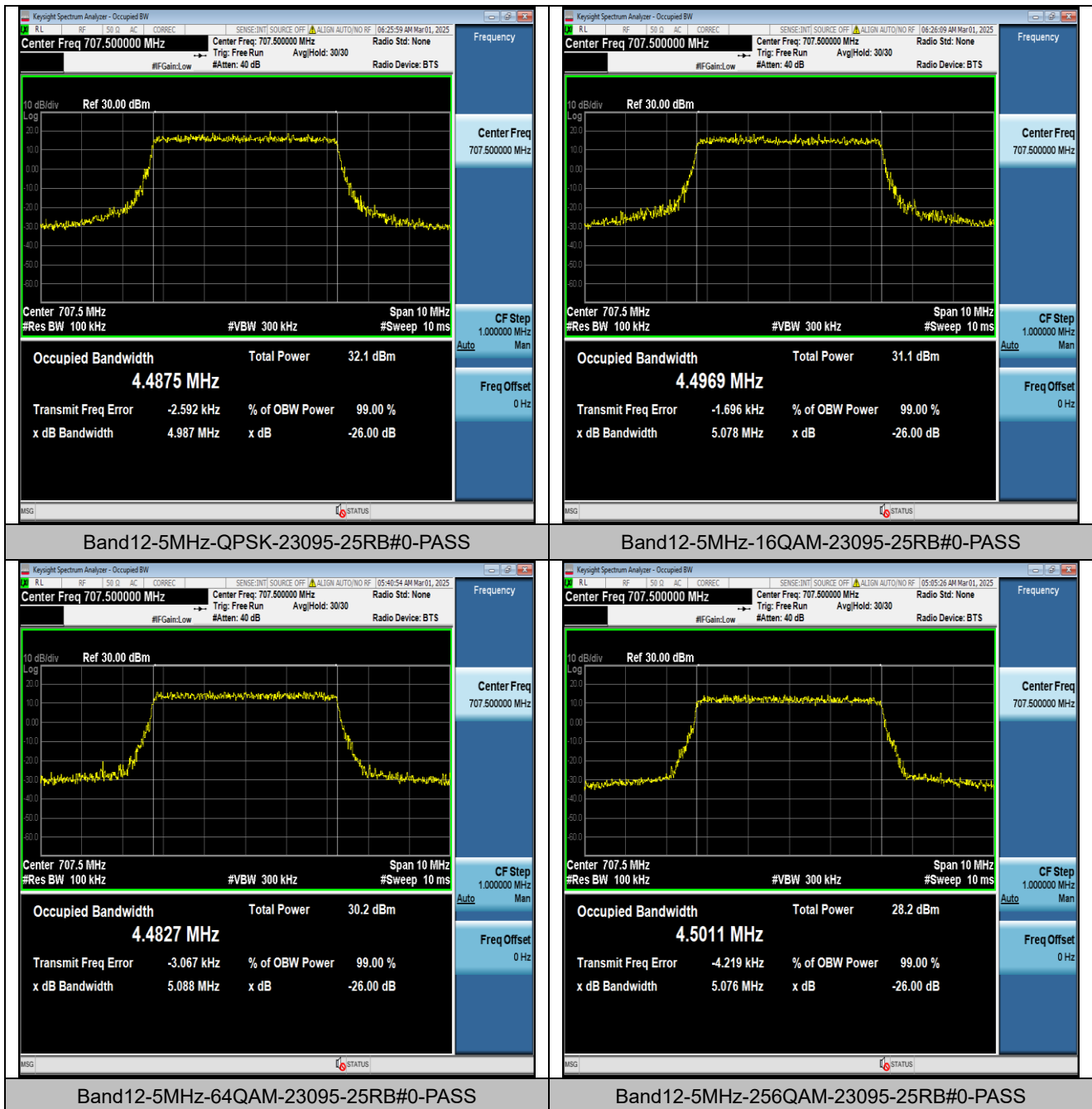


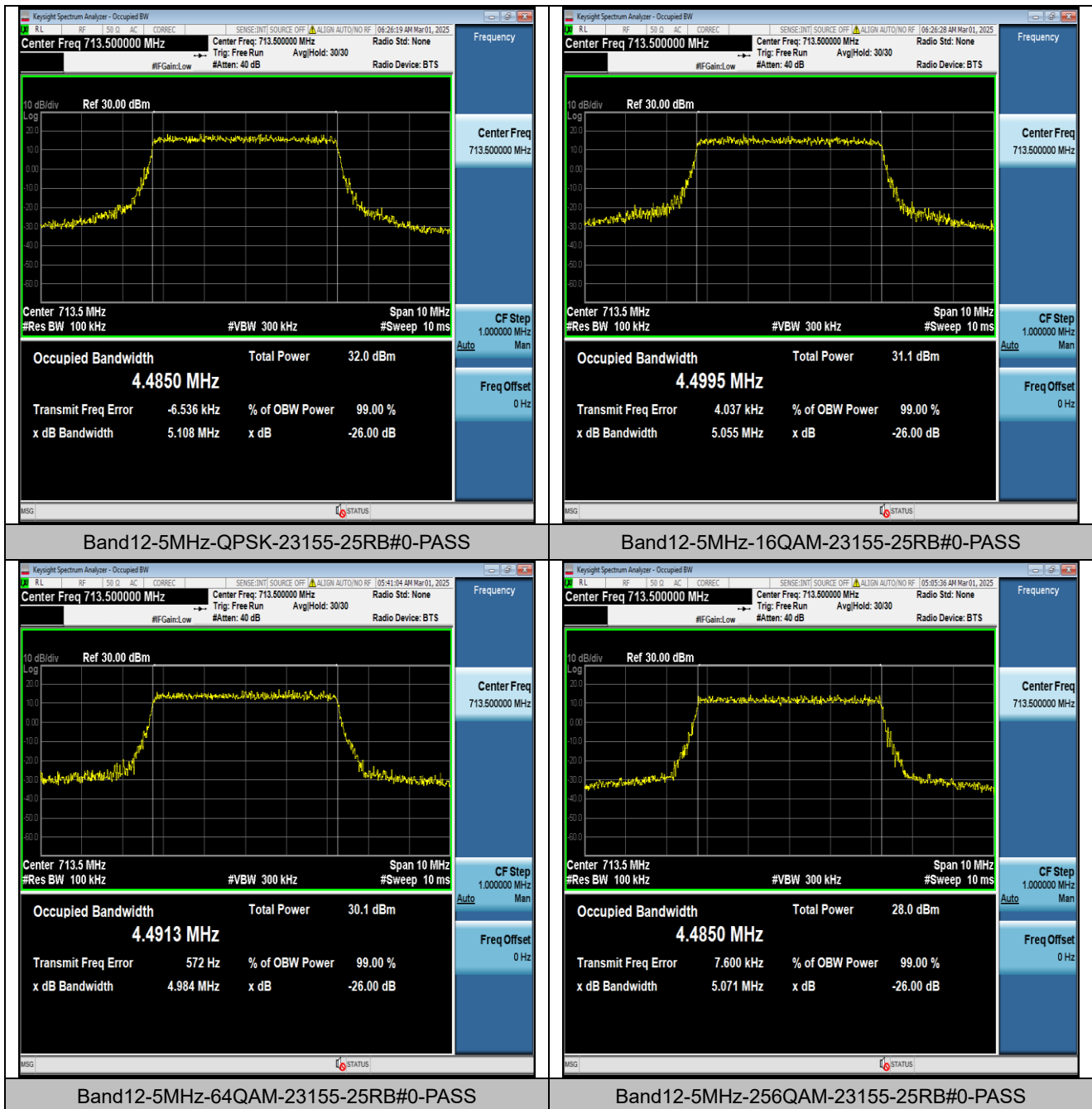


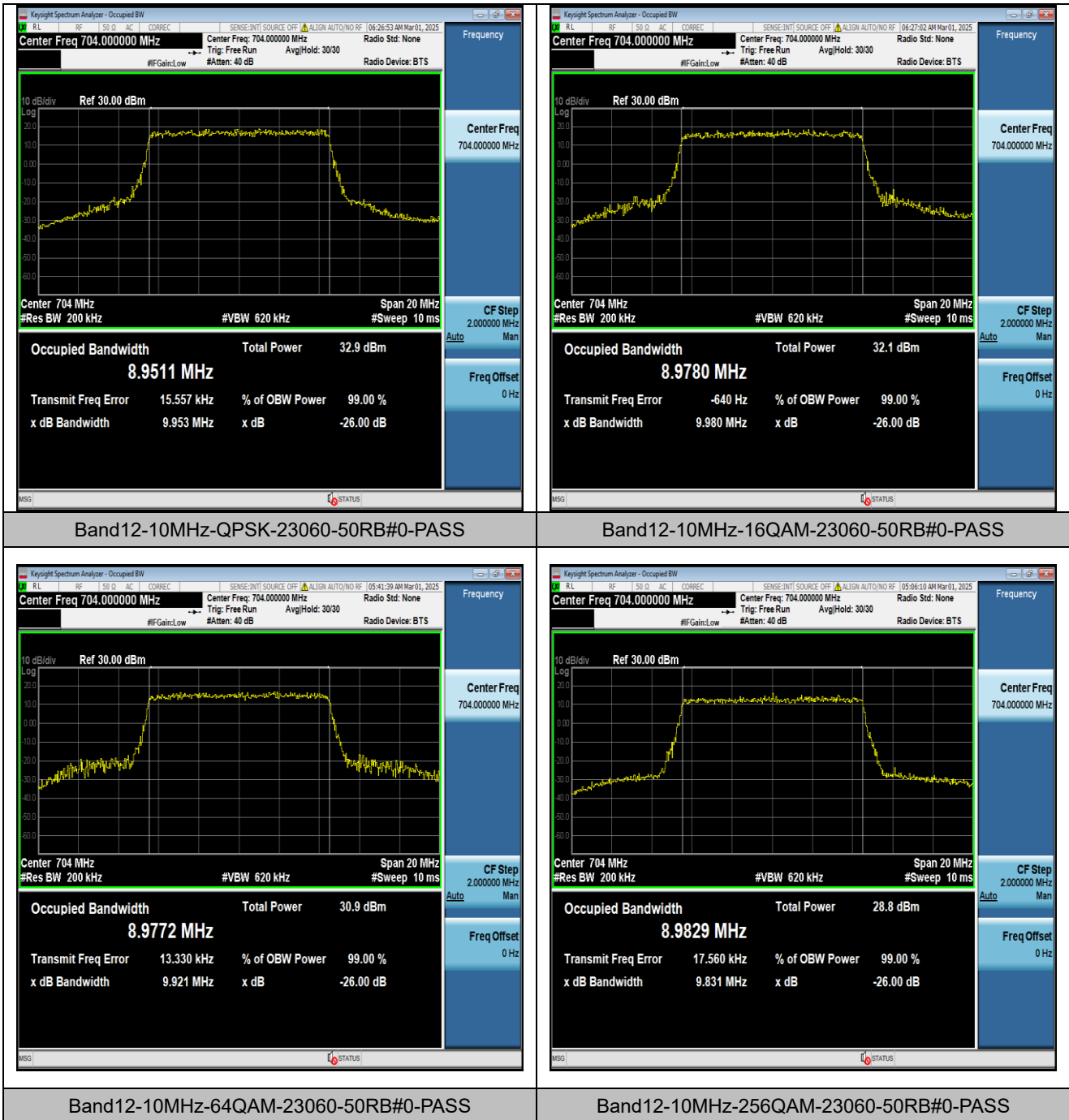


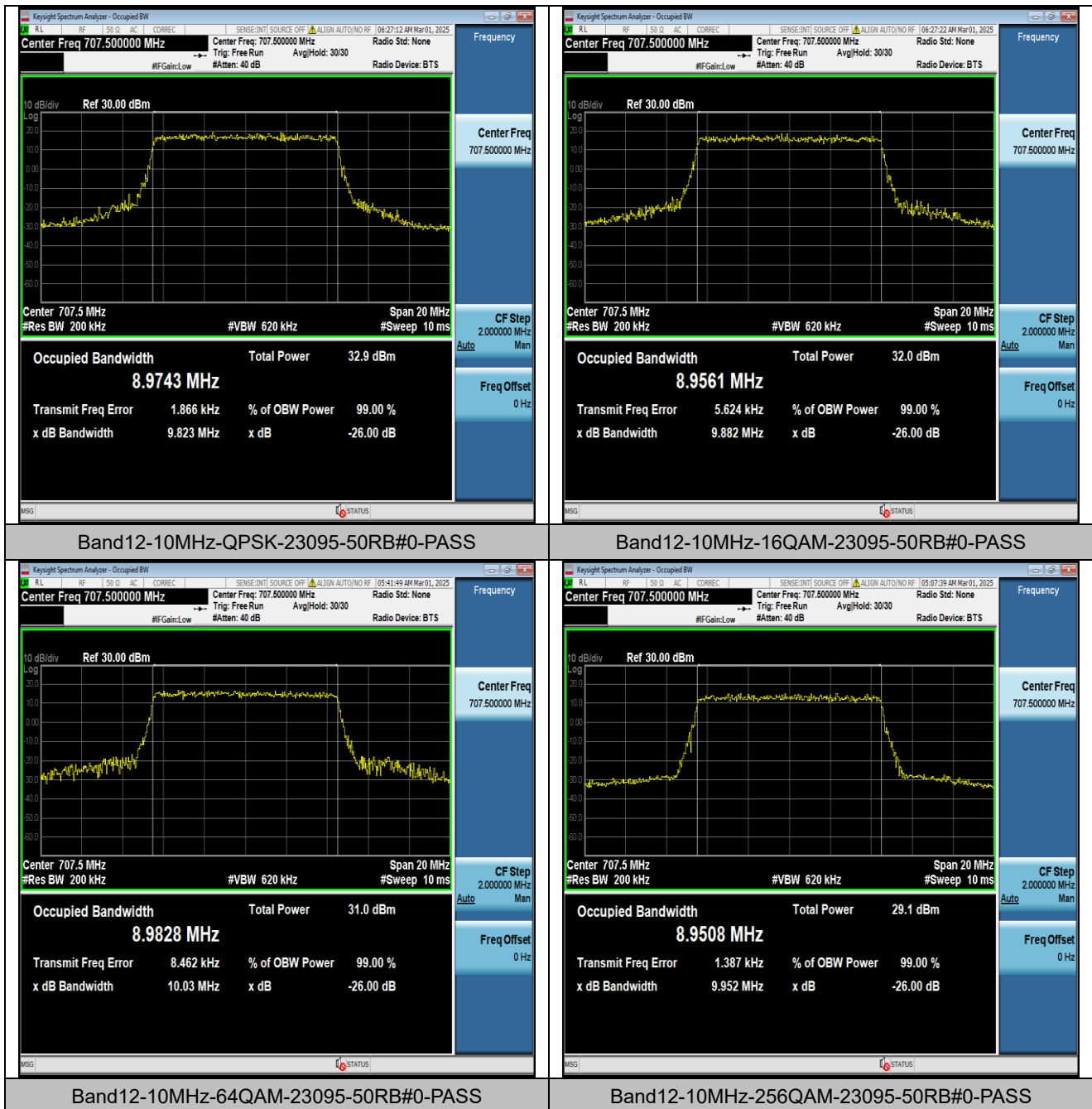


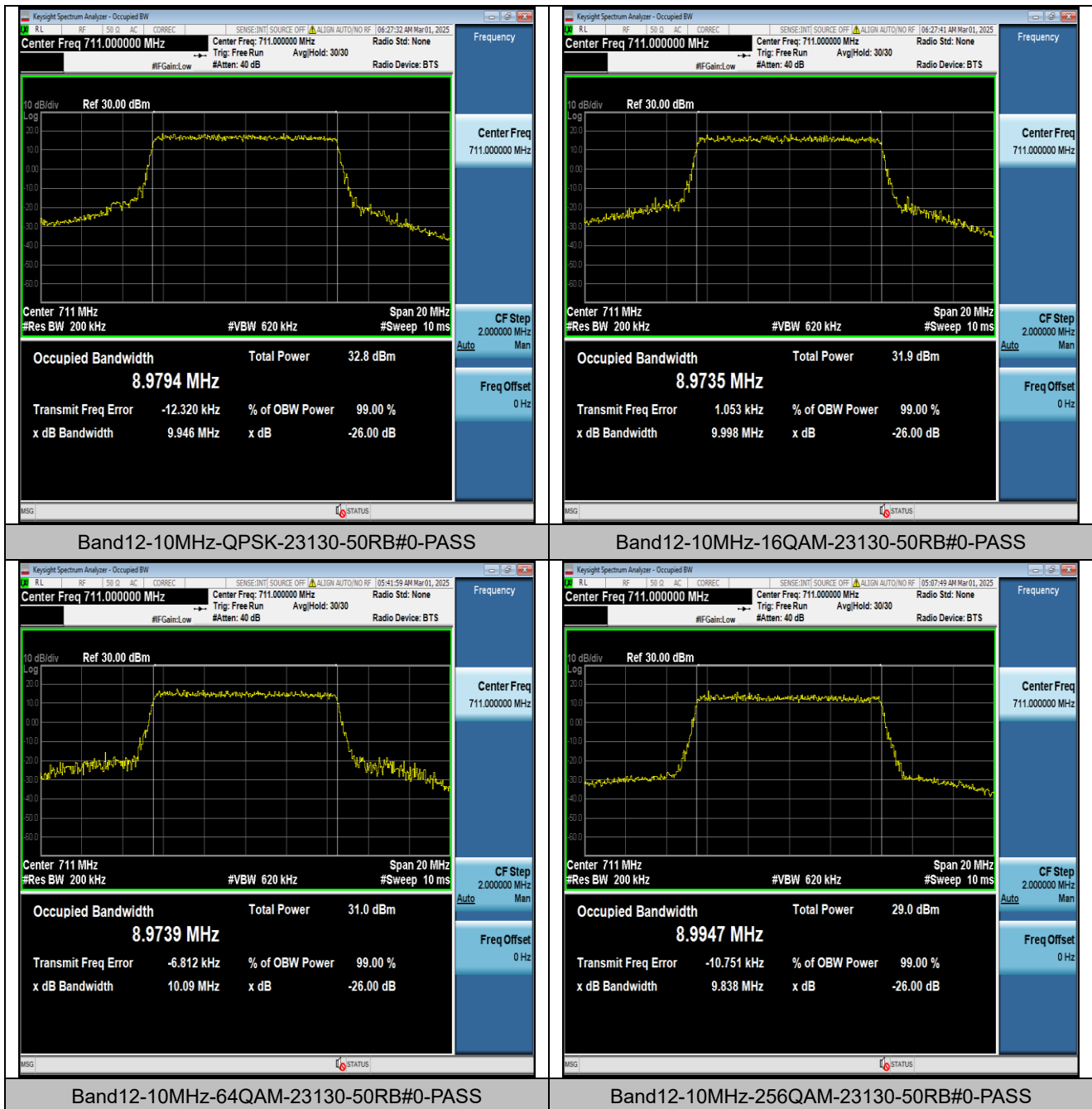












Band Edge

Test Graphs

