

Appendix-A LTE Band 71

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	24.32	26.57	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	24.31	26.56	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	24.28	26.53	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	23.83	26.08	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	23.94	26.19	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	23.98	26.23	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	23.89	26.14	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	22.88	25.13	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#0	23.07	25.32	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#12	23.22	25.47	34.77	PASS
Band71	5MHz	64QAM	133147	1RB#24	22.56	24.81	34.77	PASS
Band71	5MHz	64QAM	133147	25RB#0	21.79	24.04	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#0	19.88	22.13	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#12	19.94	22.19	34.77	PASS
Band71	5MHz	256QAM	133147	1RB#24	19.93	22.18	34.77	PASS
Band71	5MHz	256QAM	133147	25RB#0	19.94	22.19	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	24.55	26.8	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	24.41	26.66	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	24.39	26.64	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	23.93	26.18	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	23.92	26.17	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	23.95	26.2	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	23.91	26.16	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	22.98	25.23	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#0	22.79	25.04	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#12	23.07	25.32	34.77	PASS
Band71	5MHz	64QAM	133297	1RB#24	23.29	25.54	34.77	PASS
Band71	5MHz	64QAM	133297	25RB#0	21.84	24.09	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#0	20.02	22.27	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#12	19.93	22.18	34.77	PASS
Band71	5MHz	256QAM	133297	1RB#24	19.87	22.12	34.77	PASS
Band71	5MHz	256QAM	133297	25RB#0	19.88	22.13	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	24.44	26.69	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	24.48	26.73	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	24.37	26.62	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	23.89	26.14	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	23.89	26.14	34.77	PASS

Band71	5MHz	16QAM	133447	1RB#12	23.87	26.12	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	23.91	26.16	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	22.97	25.22	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#0	23.11	25.36	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#12	22.79	25.04	34.77	PASS
Band71	5MHz	64QAM	133447	1RB#24	22.8	25.05	34.77	PASS
Band71	5MHz	64QAM	133447	25RB#0	21.86	24.11	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#0	20.15	22.4	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#12	20.19	22.44	34.77	PASS
Band71	5MHz	256QAM	133447	1RB#24	19.91	22.16	34.77	PASS
Band71	5MHz	256QAM	133447	25RB#0	19.86	22.11	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	24.16	26.41	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	24.27	26.52	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	24.27	26.52	34.77	PASS
Band71	10MHz	QPSK	133172	50RB#0	23.92	26.17	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#0	23.97	26.22	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#24	23.78	26.03	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	23.92	26.17	34.77	PASS
Band71	10MHz	16QAM	133172	50RB#0	23	25.25	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#0	23.15	25.4	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#24	22.77	25.02	34.77	PASS
Band71	10MHz	64QAM	133172	1RB#49	22.98	25.23	34.77	PASS
Band71	10MHz	64QAM	133172	50RB#0	21.79	24.04	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#0	20.17	22.42	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#24	19.82	22.07	34.77	PASS
Band71	10MHz	256QAM	133172	1RB#49	19.72	21.97	34.77	PASS
Band71	10MHz	256QAM	133172	50RB#0	19.98	22.23	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	24.36	26.61	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#24	24.68	26.93	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	24.38	26.63	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	24.03	26.28	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#0	23.95	26.2	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	23.91	26.16	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#49	23.95	26.2	34.77	PASS
Band71	10MHz	16QAM	133297	50RB#0	23.02	25.27	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#0	23.1	25.35	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#24	23.02	25.27	34.77	PASS
Band71	10MHz	64QAM	133297	1RB#49	22.94	25.19	34.77	PASS
Band71	10MHz	64QAM	133297	50RB#0	21.95	24.2	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#0	20.03	22.28	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#24	20.05	22.3	34.77	PASS
Band71	10MHz	256QAM	133297	1RB#49	19.75	22	34.77	PASS
Band71	10MHz	256QAM	133297	50RB#0	19.85	22.1	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	24.52	26.77	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#24	24.43	26.68	34.77	PASS

Band71	10MHz	QPSK	133422	1RB#49	24.35	26.6	34.77	PASS
Band71	10MHz	QPSK	133422	50RB#0	24.06	26.31	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#0	24.01	26.26	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#24	23.8	26.05	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#49	23.86	26.11	34.77	PASS
Band71	10MHz	16QAM	133422	50RB#0	23.04	25.29	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#0	23.26	25.51	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#24	23.18	25.43	34.77	PASS
Band71	10MHz	64QAM	133422	1RB#49	23.03	25.28	34.77	PASS
Band71	10MHz	64QAM	133422	50RB#0	22.05	24.3	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#0	19.91	22.16	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#24	20	22.25	34.77	PASS
Band71	10MHz	256QAM	133422	1RB#49	19.77	22.02	34.77	PASS
Band71	10MHz	256QAM	133422	50RB#0	20.03	22.28	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	24.44	26.69	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#38	24.21	26.46	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	24.13	26.38	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	23.81	26.06	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	23.73	25.98	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	23.83	26.08	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	23.87	26.12	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	22.88	25.13	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#0	23.11	25.36	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#38	22.75	25	34.77	PASS
Band71	15MHz	64QAM	133197	1RB#74	22.85	25.1	34.77	PASS
Band71	15MHz	64QAM	133197	75RB#0	21.84	24.09	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#0	20.07	22.32	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#38	19.93	22.18	34.77	PASS
Band71	15MHz	256QAM	133197	1RB#74	19.76	22.01	34.77	PASS
Band71	15MHz	256QAM	133197	75RB#0	19.88	22.13	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	24.44	26.69	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	24.32	26.57	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	24.54	26.79	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	23.94	26.19	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#0	23.82	26.07	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	23.75	26	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	23.98	26.23	34.77	PASS
Band71	15MHz	16QAM	133297	75RB#0	22.95	25.2	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#0	22.66	24.91	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#38	22.89	25.14	34.77	PASS
Band71	15MHz	64QAM	133297	1RB#74	22.65	24.9	34.77	PASS
Band71	15MHz	64QAM	133297	75RB#0	21.78	24.03	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#0	20.02	22.27	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#38	19.95	22.2	34.77	PASS
Band71	15MHz	256QAM	133297	1RB#74	19.87	22.12	34.77	PASS

Band71	15MHz	256QAM	133297	75RB#0	19.9	22.15	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	24.82	27.07	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	24.49	26.74	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	24.36	26.61	34.77	PASS
Band71	15MHz	QPSK	133397	75RB#0	24	26.25	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	23.89	26.14	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#38	23.85	26.1	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#74	24.01	26.26	34.77	PASS
Band71	15MHz	16QAM	133397	75RB#0	23.04	25.29	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#0	22.9	25.15	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#38	22.8	25.05	34.77	PASS
Band71	15MHz	64QAM	133397	1RB#74	23.17	25.42	34.77	PASS
Band71	15MHz	64QAM	133397	75RB#0	21.95	24.2	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#0	19.97	22.22	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#38	20.11	22.36	34.77	PASS
Band71	15MHz	256QAM	133397	1RB#74	20	22.25	34.77	PASS
Band71	15MHz	256QAM	133397	75RB#0	20	22.25	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	24.58	26.83	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	24.55	26.8	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	24.2	26.45	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	23.91	26.16	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	23.96	26.21	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	23.95	26.2	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	23.89	26.14	34.77	PASS
Band71	20MHz	16QAM	133222	100RB#0	23.09	25.34	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#0	23.22	25.47	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#49	23.2	25.45	34.77	PASS
Band71	20MHz	64QAM	133222	1RB#99	22.77	25.02	34.77	PASS
Band71	20MHz	64QAM	133222	100RB#0	21.92	24.17	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#0	19.85	22.1	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#49	19.78	22.03	34.77	PASS
Band71	20MHz	256QAM	133222	1RB#99	19.82	22.07	34.77	PASS
Band71	20MHz	256QAM	133222	100RB#0	19.9	22.15	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	24.38	26.63	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	24.52	26.77	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	24.25	26.5	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	23.97	26.22	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	23.8	26.05	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	23.77	26.02	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#99	24.09	26.34	34.77	PASS
Band71	20MHz	16QAM	133322	100RB#0	22.95	25.2	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#0	23.06	25.31	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#49	23	25.25	34.77	PASS
Band71	20MHz	64QAM	133322	1RB#99	23.28	25.53	34.77	PASS
Band71	20MHz	64QAM	133322	100RB#0	21.83	24.08	34.77	PASS

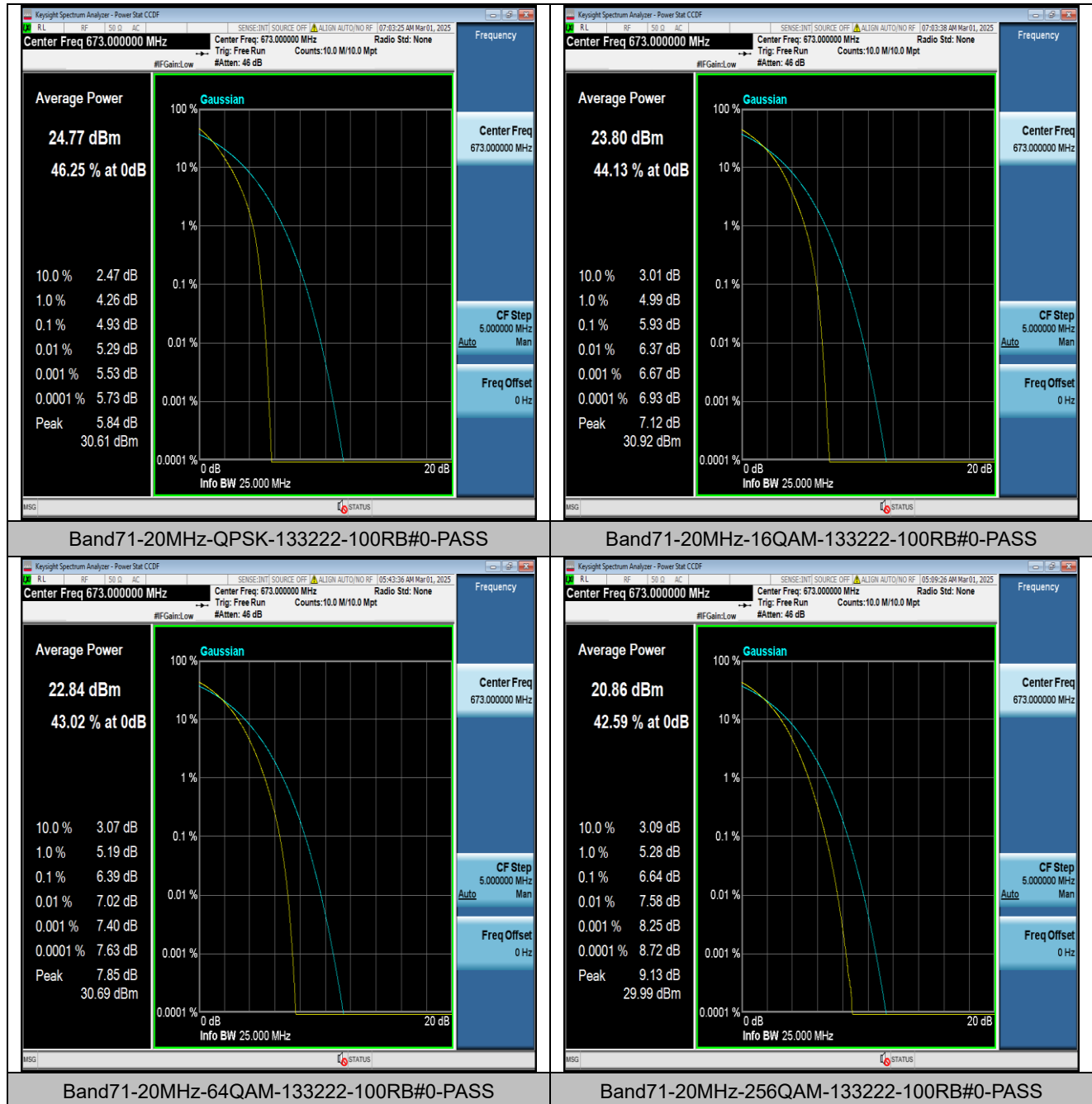
Band71	20MHz	256QAM	133322	1RB#0	19.7	21.95	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#49	19.67	21.92	34.77	PASS
Band71	20MHz	256QAM	133322	1RB#99	19.79	22.04	34.77	PASS
Band71	20MHz	256QAM	133322	100RB#0	19.88	22.13	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	24.36	26.61	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	24.52	26.77	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	24.27	26.52	34.77	PASS
Band71	20MHz	QPSK	133372	100RB#0	23.95	26.2	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	23.83	26.08	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	23.86	26.11	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	23.78	26.03	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	22.97	25.22	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#0	23.01	25.26	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#49	23.03	25.28	34.77	PASS
Band71	20MHz	64QAM	133372	1RB#99	22.79	25.04	34.77	PASS
Band71	20MHz	64QAM	133372	100RB#0	21.94	24.19	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#0	19.91	22.16	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#49	20.04	22.29	34.77	PASS
Band71	20MHz	256QAM	133372	1RB#99	19.83	22.08	34.77	PASS
Band71	20MHz	256QAM	133372	100RB#0	19.9	22.15	34.77	PASS

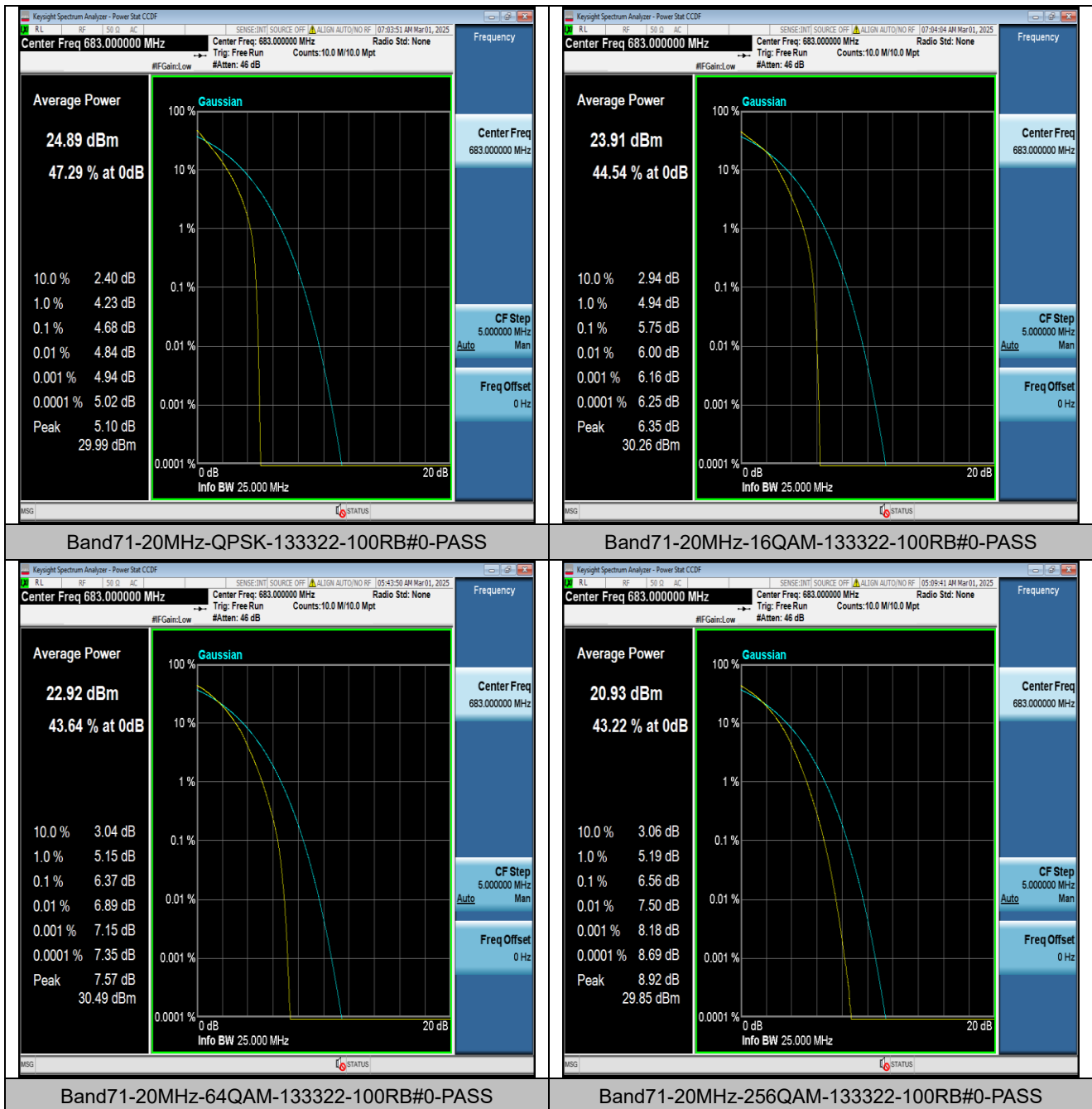
Peak-to-Average Ratio(CCDF)

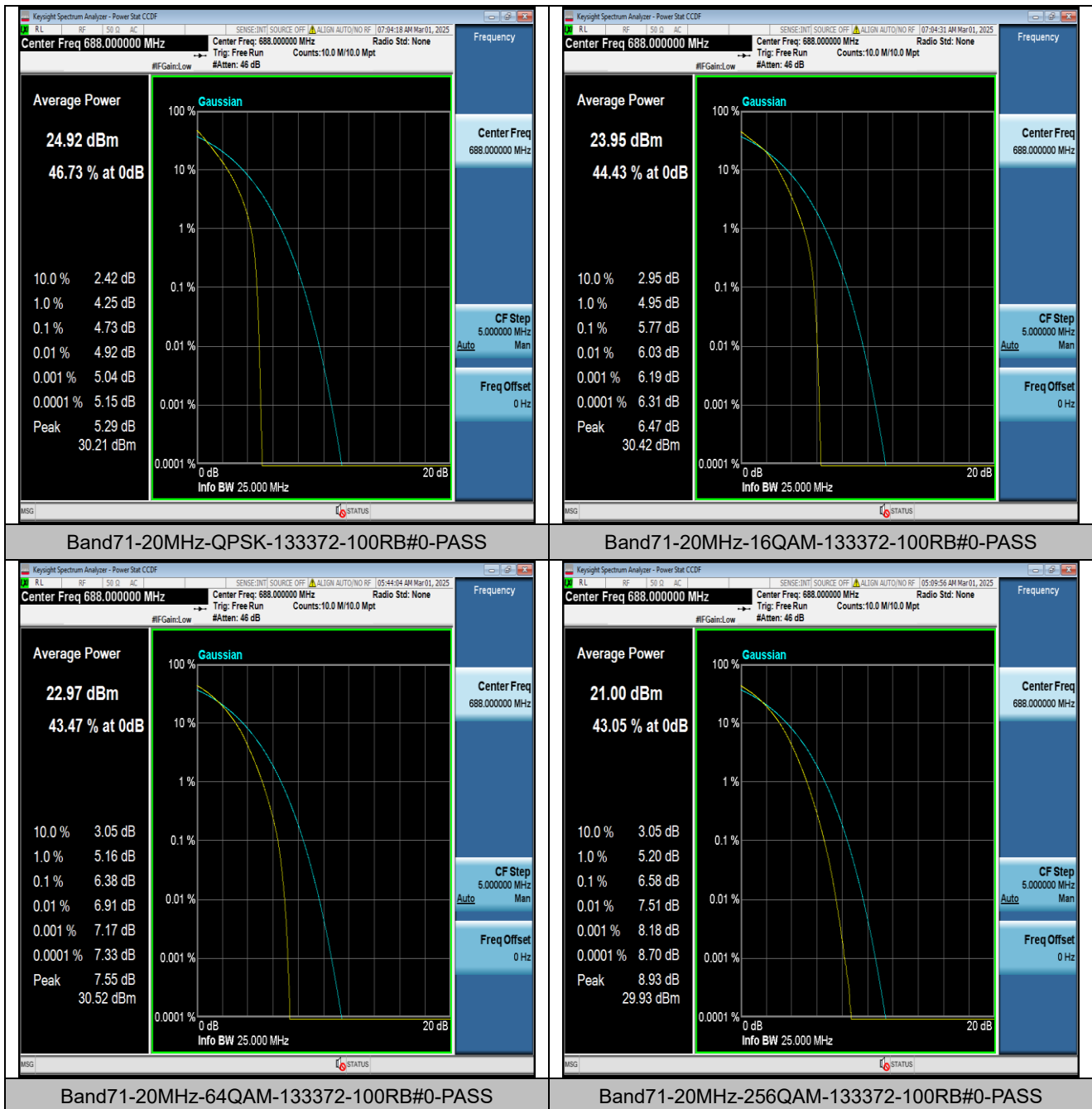
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band71	20MHz	QPSK	133222	100RB#0	4.93	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	5.93	13	PASS
Band71	20MHz	64QAM	133222	100RB#0	6.39	13	PASS
Band71	20MHz	256QAM	133222	100RB#0	6.64	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	4.68	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	5.75	13	PASS
Band71	20MHz	64QAM	133322	100RB#0	6.37	13	PASS
Band71	20MHz	256QAM	133322	100RB#0	6.56	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	4.73	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	5.77	13	PASS
Band71	20MHz	64QAM	133372	100RB#0	6.38	13	PASS
Band71	20MHz	256QAM	133372	100RB#0	6.58	13	PASS

Test Graphs







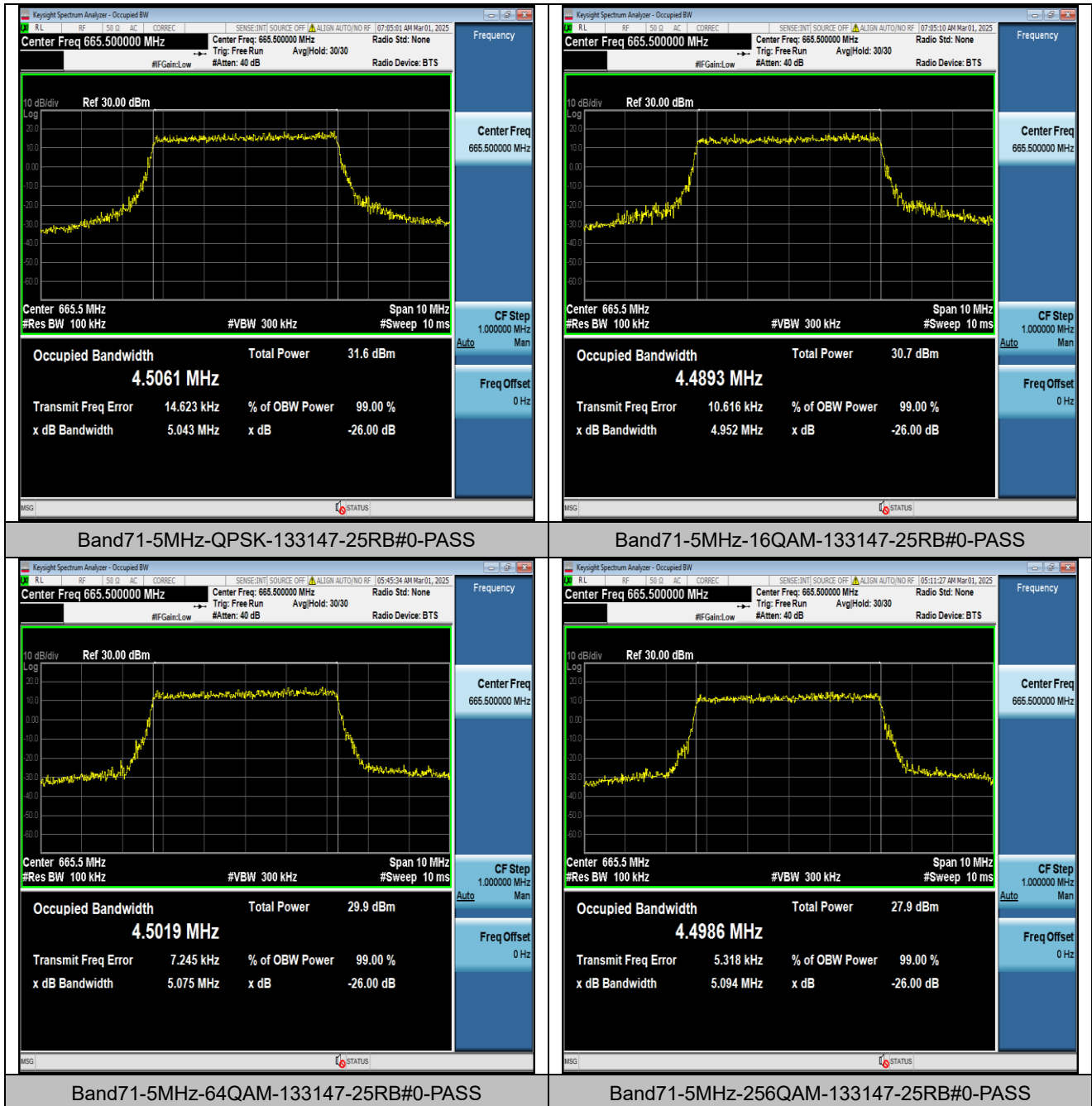
26dB Bandwidth and Occupied Bandwidth

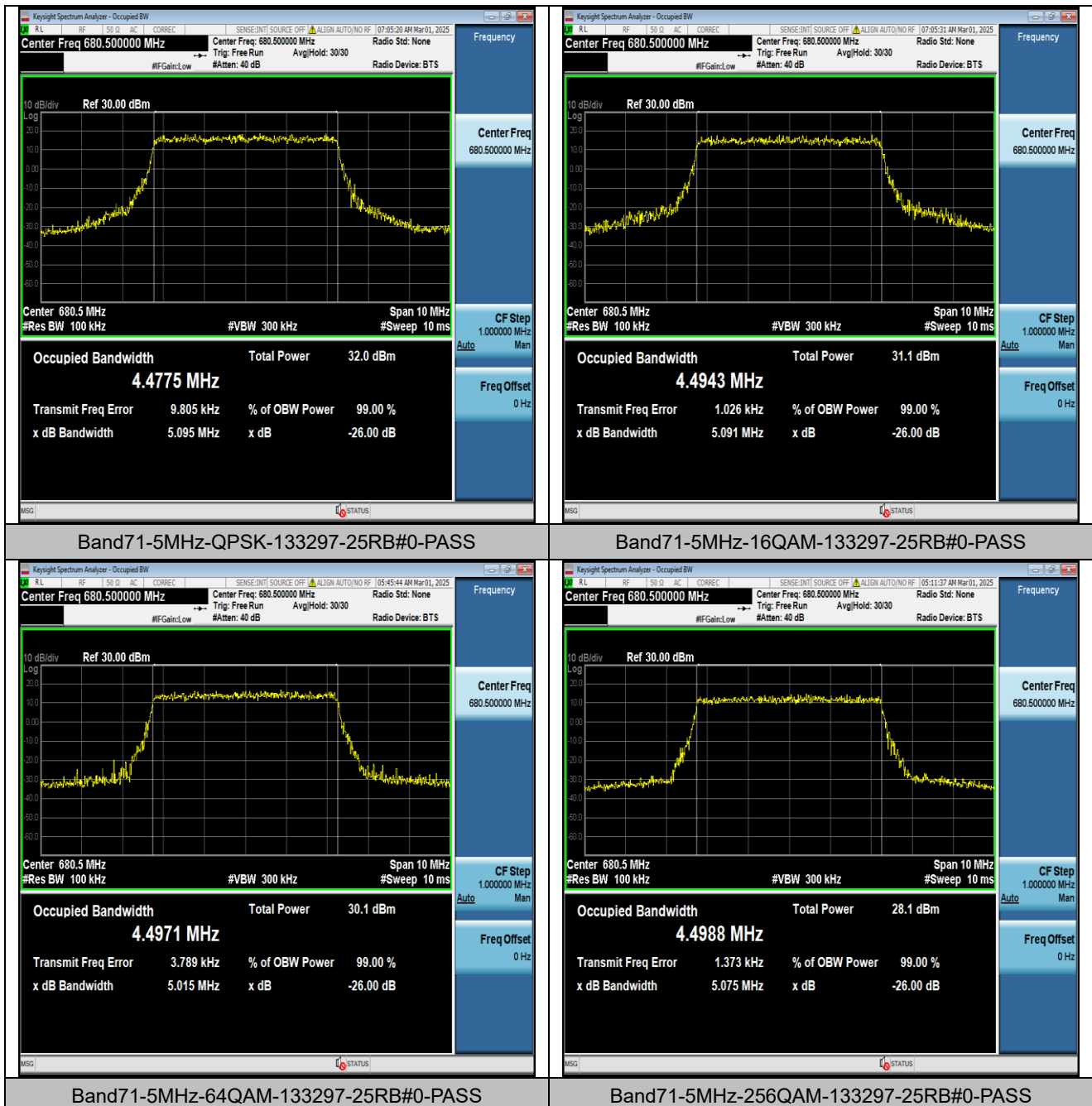
Test Result

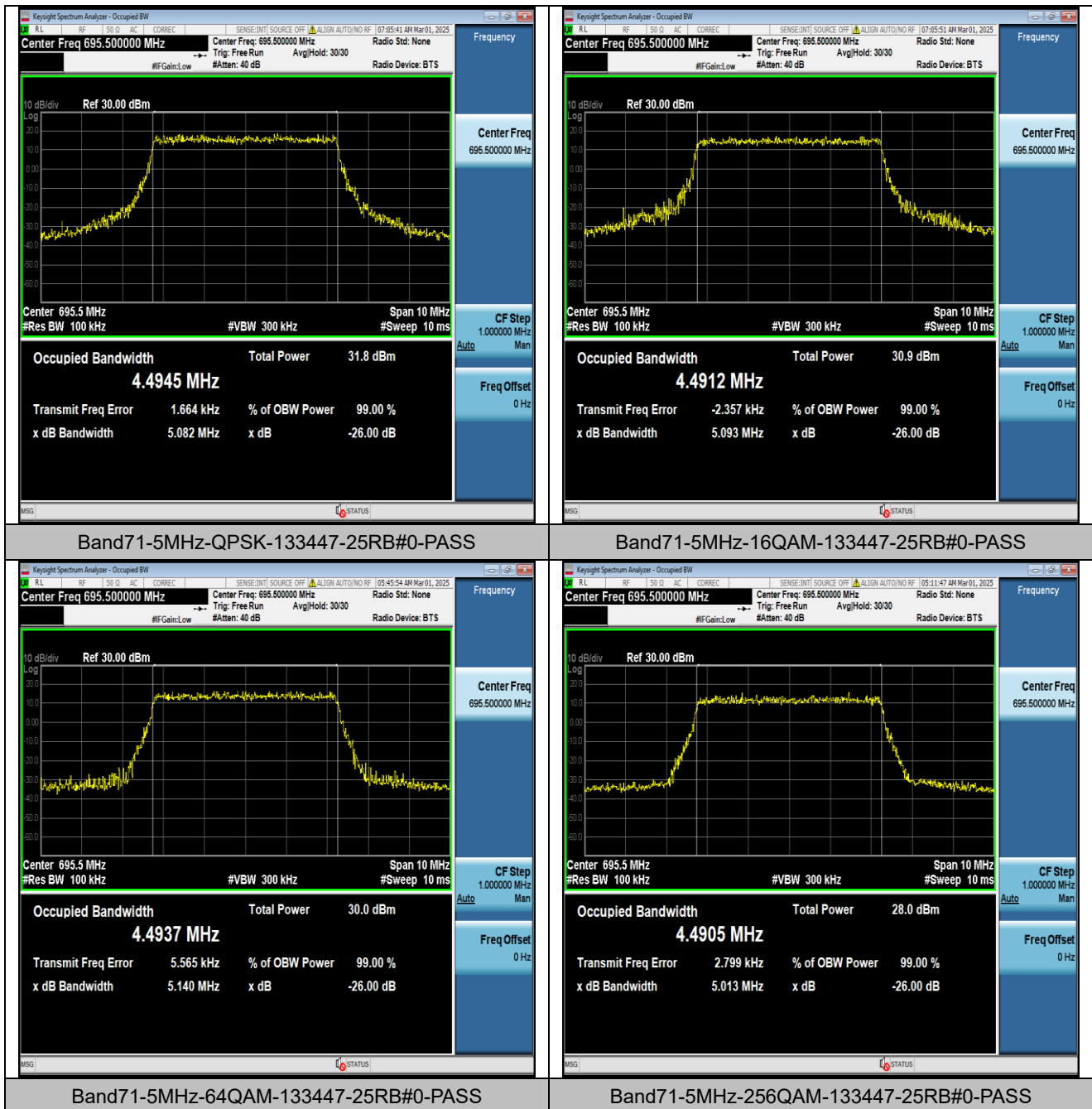
Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.5061	5.043	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.4893	4.952	PASS
Band71	5MHz	64QAM	133147	25RB#0	4.5019	5.075	PASS
Band71	5MHz	256QAM	133147	25RB#0	4.4986	5.094	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.4775	5.095	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.4943	5.091	PASS
Band71	5MHz	64QAM	133297	25RB#0	4.4971	5.015	PASS
Band71	5MHz	256QAM	133297	25RB#0	4.4988	5.075	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.4945	5.082	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.4912	5.093	PASS
Band71	5MHz	64QAM	133447	25RB#0	4.4937	5.140	PASS
Band71	5MHz	256QAM	133447	25RB#0	4.4905	5.013	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.9520	9.789	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.9334	9.885	PASS
Band71	10MHz	64QAM	133172	50RB#0	8.9694	9.905	PASS
Band71	10MHz	256QAM	133172	50RB#0	8.9417	9.785	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.9893	10.04	PASS
Band71	10MHz	16QAM	133297	50RB#0	9.0203	10.00	PASS
Band71	10MHz	64QAM	133297	50RB#0	8.9880	9.941	PASS
Band71	10MHz	256QAM	133297	50RB#0	8.9478	9.871	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.9777	10.10	PASS
Band71	10MHz	16QAM	133422	50RB#0	9.0057	9.922	PASS
Band71	10MHz	64QAM	133422	50RB#0	8.9927	9.768	PASS
Band71	10MHz	256QAM	133422	50RB#0	8.9818	9.902	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.441	14.68	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.437	14.71	PASS
Band71	15MHz	64QAM	133197	75RB#0	13.396	14.73	PASS
Band71	15MHz	256QAM	133197	75RB#0	13.458	14.65	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.447	14.83	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.448	14.68	PASS
Band71	15MHz	64QAM	133297	75RB#0	13.446	14.78	PASS
Band71	15MHz	256QAM	133297	75RB#0	13.431	14.82	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.497	14.89	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.474	14.95	PASS
Band71	15MHz	64QAM	133397	75RB#0	13.473	14.69	PASS
Band71	15MHz	256QAM	133397	75RB#0	13.453	14.68	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.877	19.79	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.928	19.46	PASS

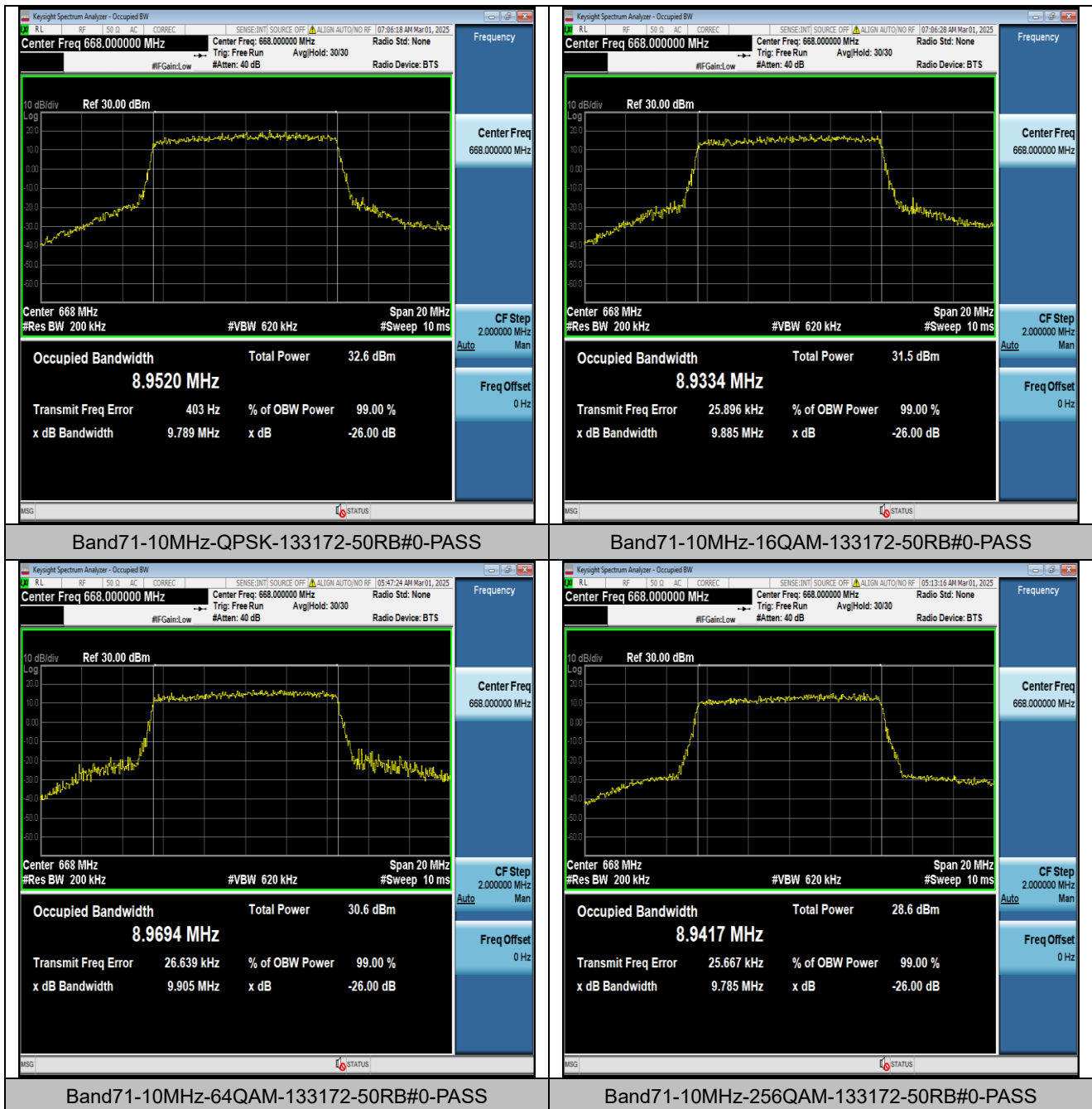
Band71	20MHz	64QAM	133222	100RB#0	17.927	19.47	PASS
Band71	20MHz	256QAM	133222	100RB#0	17.857	19.71	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.901	19.57	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.877	19.70	PASS
Band71	20MHz	64QAM	133322	100RB#0	17.890	19.55	PASS
Band71	20MHz	256QAM	133322	100RB#0	17.924	19.66	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.963	19.53	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.966	19.59	PASS
Band71	20MHz	64QAM	133372	100RB#0	17.960	19.62	PASS
Band71	20MHz	256QAM	133372	100RB#0	17.911	19.56	PASS

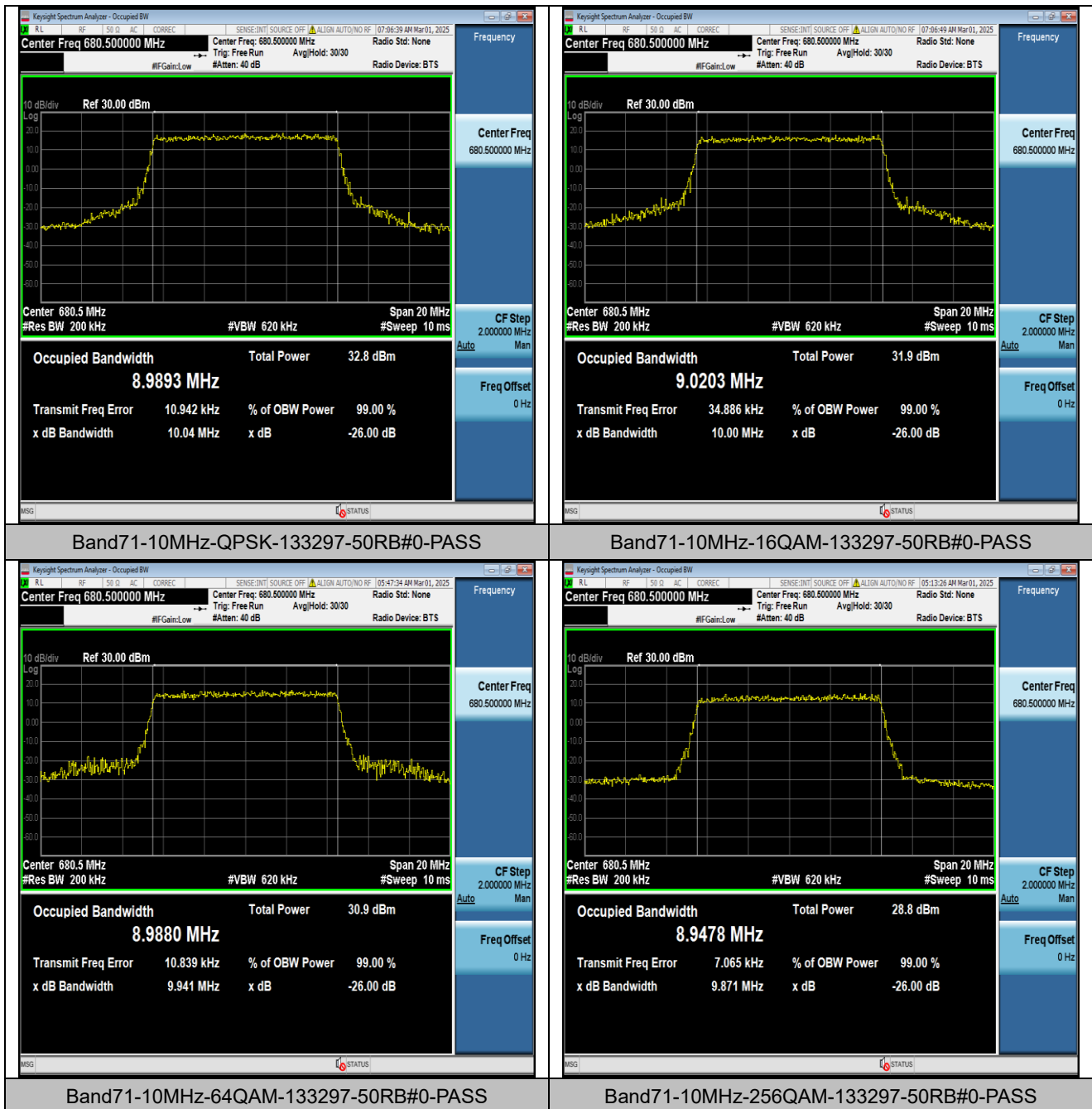
Test Graphs

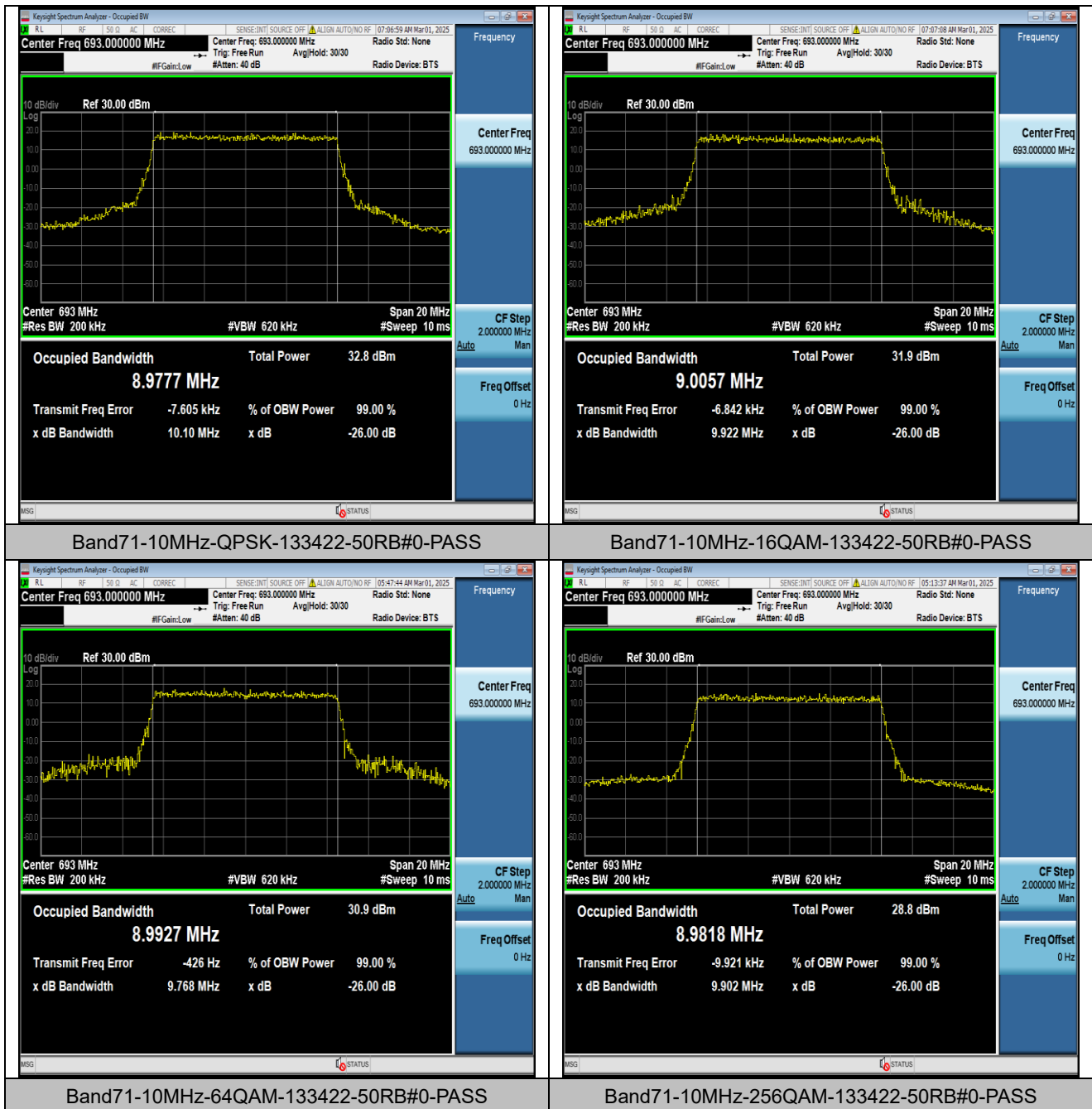


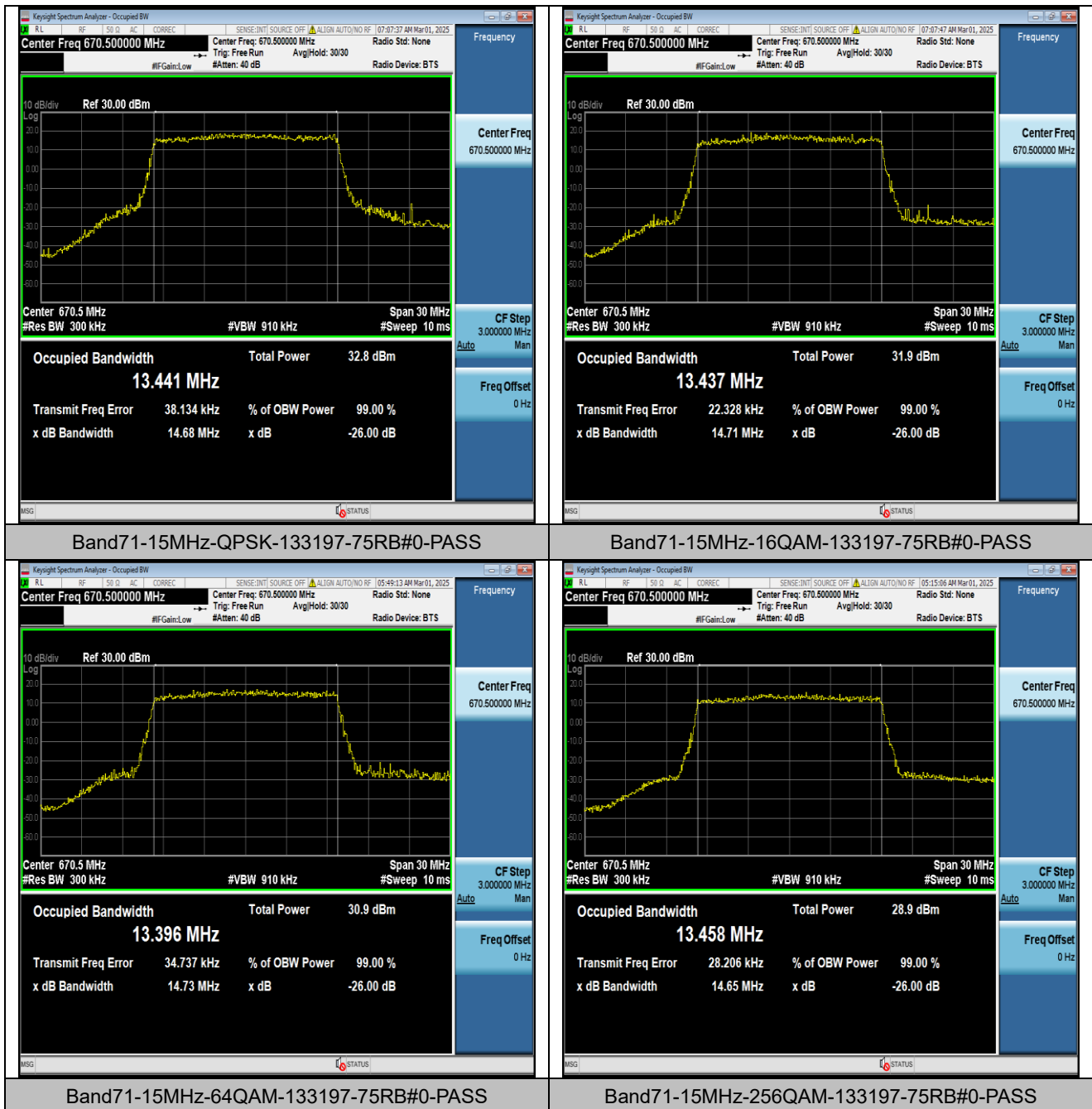


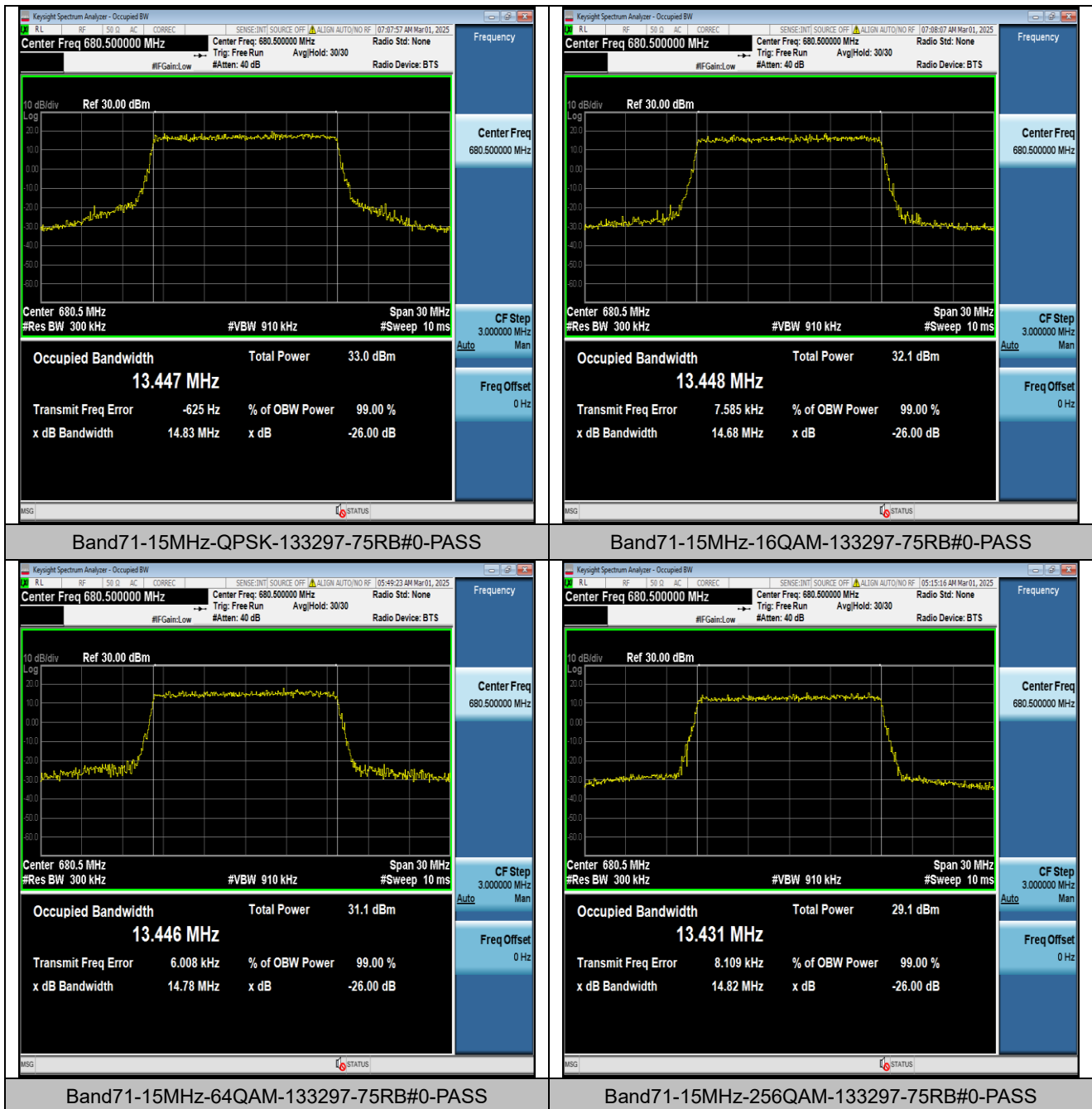


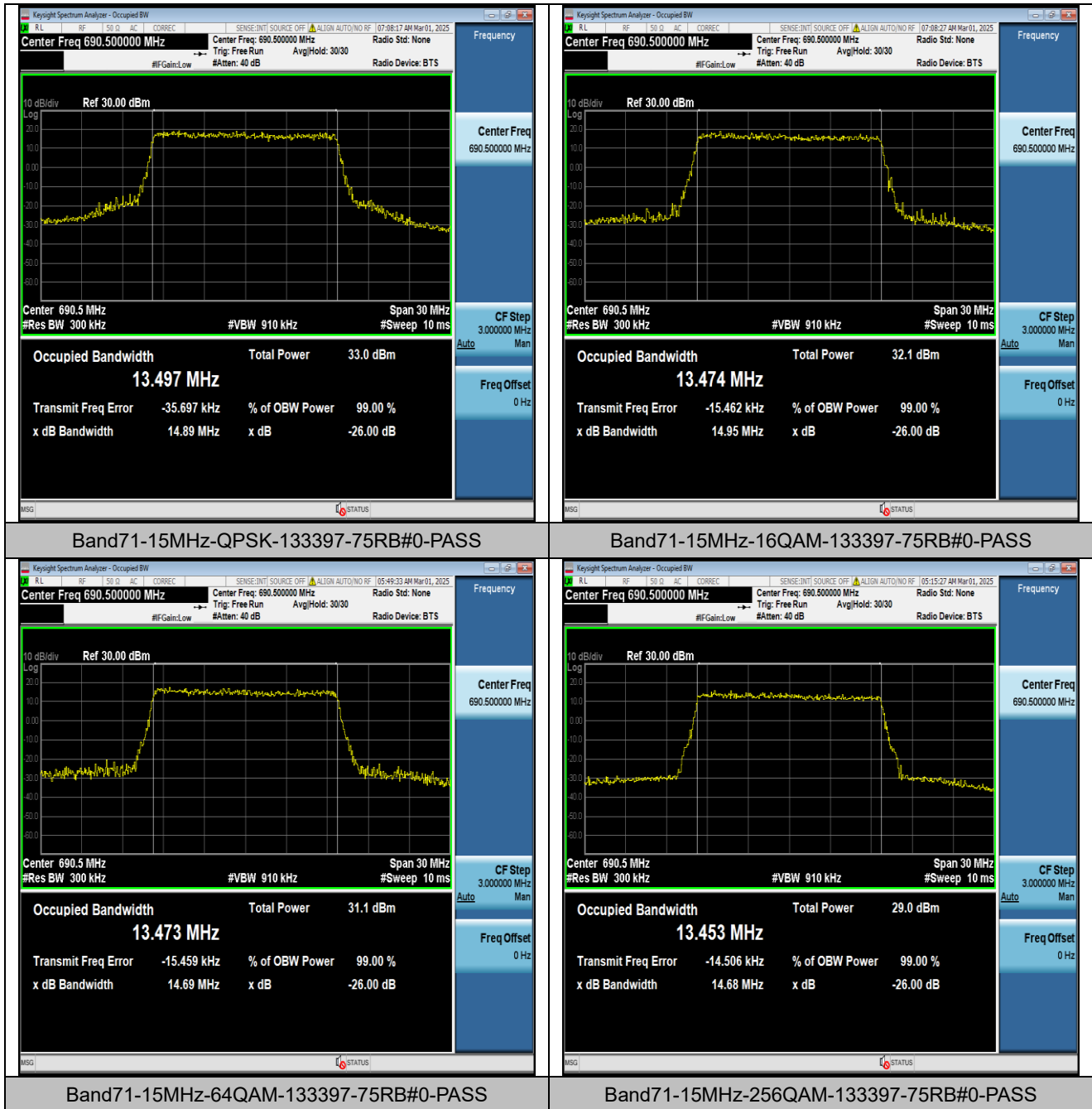


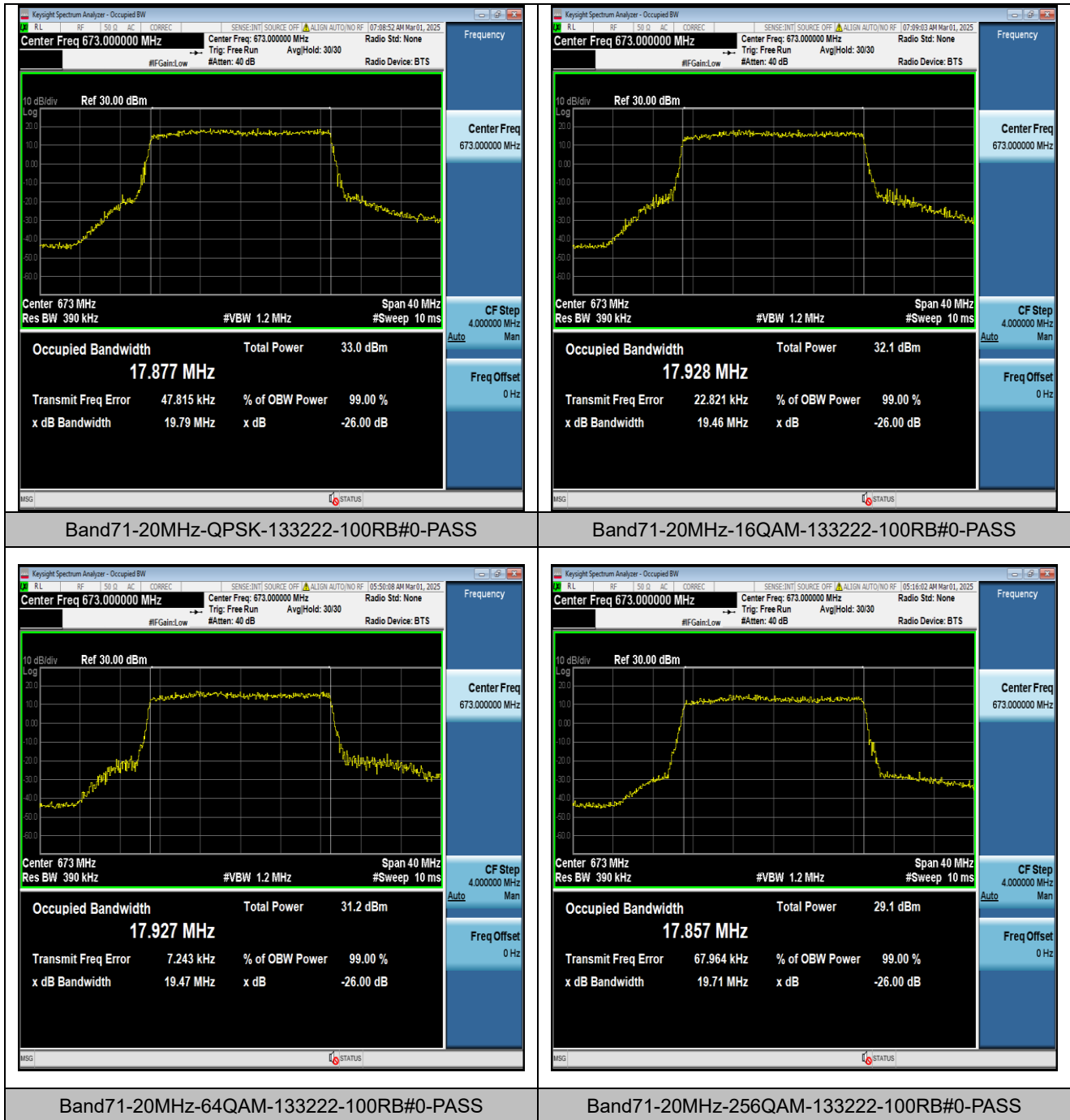


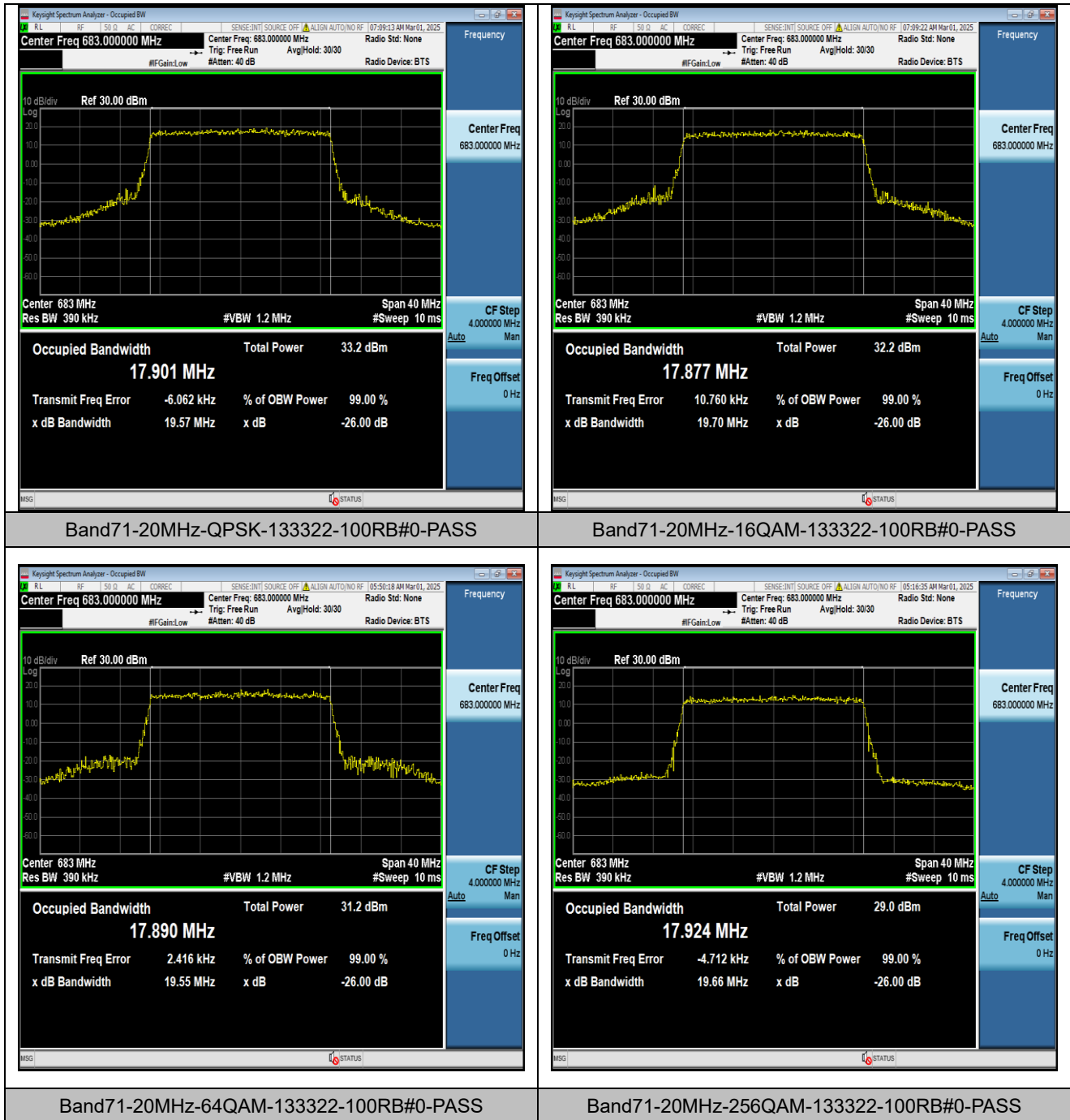


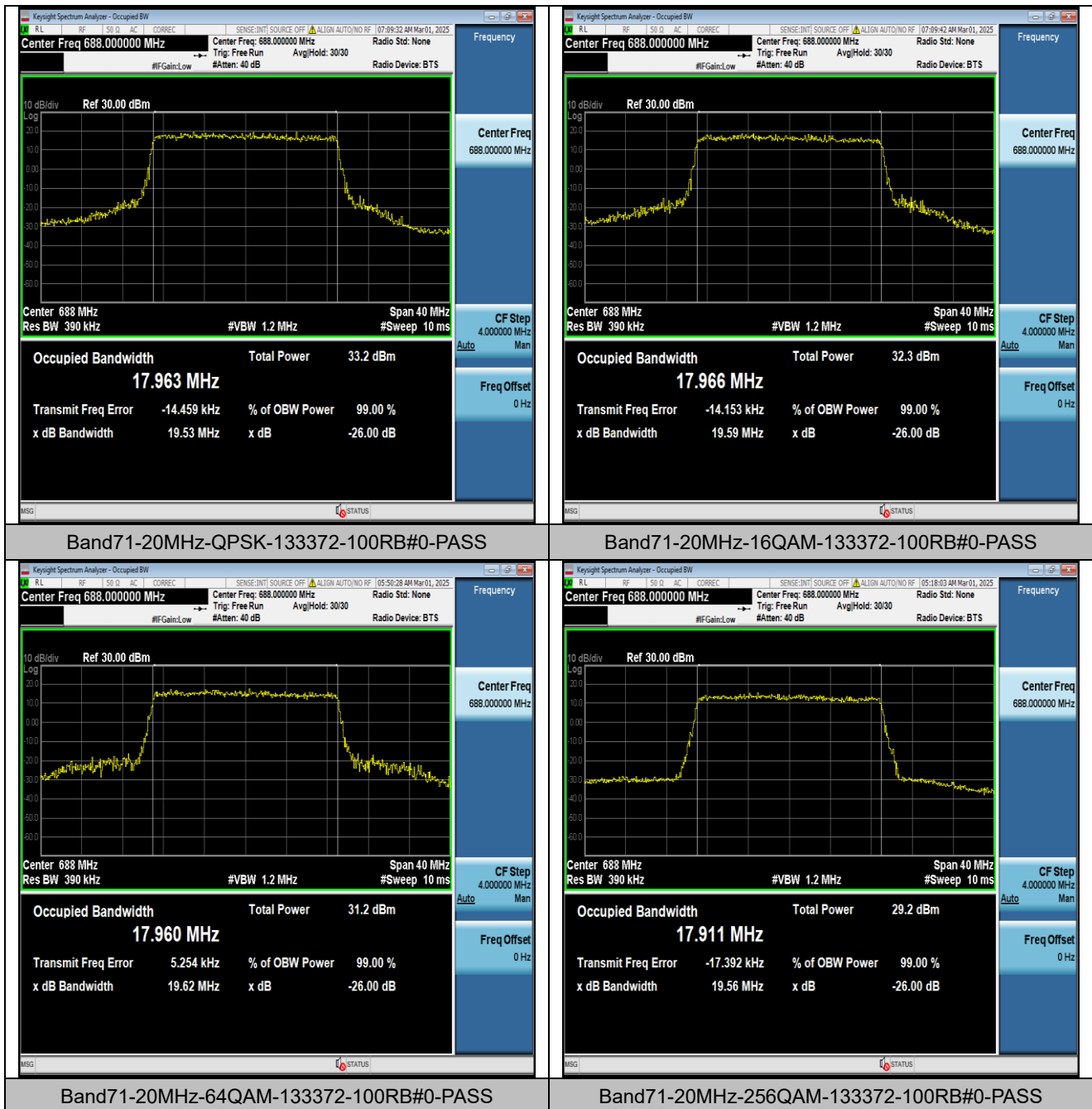












Band Edge

Test Graphs

