

Appendix-A LTE Band 5

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	24.42	27.27	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	24.43	27.28	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	24.39	27.24	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	23.72	26.57	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	24.04	26.89	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.98	26.83	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.99	26.84	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	23.02	25.87	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	23.11	25.96	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	23.05	25.9	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	22.97	25.82	38.45	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	21.97	24.82	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#0	19.92	22.77	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#2	19.96	22.81	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#5	19.91	22.76	38.45	PASS
Band5	1.4MHz	256QAM	20407	6RB#0	19.85	22.7	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	24.31	27.16	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	24.59	27.44	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	24.34	27.19	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	23.8	26.65	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	24.01	26.86	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	24.04	26.89	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	24.03	26.88	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.91	25.76	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	23.05	25.9	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	22.98	25.83	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	22.91	25.76	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	21.64	24.49	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#0	19.84	22.69	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#2	19.85	22.7	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#5	19.9	22.75	38.45	PASS
Band5	1.4MHz	256QAM	20525	6RB#0	19.79	22.64	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	24.15	27	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	24.23	27.08	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	24.09	26.94	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	23.62	26.47	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.9	26.75	38.45	PASS

Band5	1.4MHz	16QAM	20643	1RB#2	24.03	26.88	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	24.01	26.86	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.93	25.78	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	22.8	25.65	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	22.87	25.72	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	22.86	25.71	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	21.66	24.51	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#0	19.71	22.56	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#2	19.69	22.54	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#5	19.94	22.79	38.45	PASS
Band5	1.4MHz	256QAM	20643	6RB#0	19.7	22.55	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	24.59	27.44	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	24.39	27.24	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	24.44	27.29	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	23.84	26.69	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	24.07	26.92	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	24.07	26.92	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	24.05	26.9	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	23.06	25.91	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	23.01	25.86	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	23.06	25.91	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	22.79	25.64	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	22.02	24.87	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#0	20.02	22.87	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#8	19.96	22.81	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#14	19.84	22.69	38.45	PASS
Band5	3MHz	256QAM	20415	15RB#0	19.98	22.83	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	24.57	27.42	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	24.39	27.24	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	24.3	27.15	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	23.86	26.71	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	24.2	27.05	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	24.04	26.89	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	24.03	26.88	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	23.05	25.9	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	23.09	25.94	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	23.1	25.95	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	22.87	25.72	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	21.67	24.52	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#0	19.99	22.84	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#8	20.04	22.89	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#14	19.96	22.81	38.45	PASS
Band5	3MHz	256QAM	20525	15RB#0	19.78	22.63	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	24.3	27.15	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	24.43	27.28	38.45	PASS

Band5	3MHz	QPSK	20635	1RB#14	24.52	27.37	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	23.82	26.67	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	24.05	26.9	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	24.08	26.93	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	24.05	26.9	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.93	25.78	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	22.96	25.81	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	23.01	25.86	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	22.82	25.67	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	21.77	24.62	38.45	PASS
Band5	3MHz	256QAM	20635	1RB#0	19.85	22.7	38.45	PASS
Band5	3MHz	256QAM	20635	1RB#8	19.87	22.72	38.45	PASS
Band5	3MHz	256QAM	20635	1RB#14	19.85	22.7	38.45	PASS
Band5	3MHz	256QAM	20635	15RB#0	19.78	22.63	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	24.3	27.15	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	24.56	27.41	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	24.46	27.31	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	23.71	26.56	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.88	26.73	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	24.08	26.93	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	24.05	26.9	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.99	25.84	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	22.95	25.8	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	23.11	25.96	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	23.05	25.9	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	21.91	24.76	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#0	19.88	22.73	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#12	19.99	22.84	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#24	19.95	22.8	38.45	PASS
Band5	5MHz	256QAM	20425	25RB#0	19.97	22.82	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.46	27.31	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.46	27.31	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	24.43	27.28	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	23.89	26.74	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	24.02	26.87	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	24.01	26.86	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	24.03	26.88	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.89	25.74	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	22.86	25.71	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	23.07	25.92	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	22.73	25.58	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	21.77	24.62	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#0	19.84	22.69	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#12	19.97	22.82	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#24	19.85	22.7	38.45	PASS

Band5	5MHz	256QAM	20525	25RB#0	19.78	22.63	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	24.2	27.05	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	24.52	27.37	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	24.45	27.3	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	23.88	26.73	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	24.02	26.87	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	24.02	26.87	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	24.29	27.14	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.89	25.74	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	23.02	25.87	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	22.89	25.74	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	22.98	25.83	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	21.79	24.64	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#0	19.87	22.72	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#12	19.58	22.43	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#24	19.72	22.57	38.45	PASS
Band5	5MHz	256QAM	20625	25RB#0	19.76	22.61	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	24.4	27.25	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	24.38	27.23	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	24.31	27.16	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	23.88	26.73	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	24.03	26.88	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	24.05	26.9	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	24.05	26.9	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	23.01	25.86	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	22.92	25.77	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	23.02	25.87	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	23.03	25.88	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	21.97	24.82	38.45	PASS
Band5	10MHz	256QAM	20450	1RB#0	20.06	22.91	38.45	PASS
Band5	10MHz	256QAM	20450	1RB#24	20.03	22.88	38.45	PASS
Band5	10MHz	256QAM	20450	1RB#49	19.98	22.83	38.45	PASS
Band5	10MHz	256QAM	20450	50RB#0	20.02	22.87	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	24.49	27.34	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	24.48	27.33	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	24.32	27.17	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	23.89	26.74	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	24.07	26.92	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	24.09	26.94	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	24.06	26.91	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.96	25.81	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	22.93	25.78	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	23.09	25.94	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	23.07	25.92	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	21.87	24.72	38.45	PASS

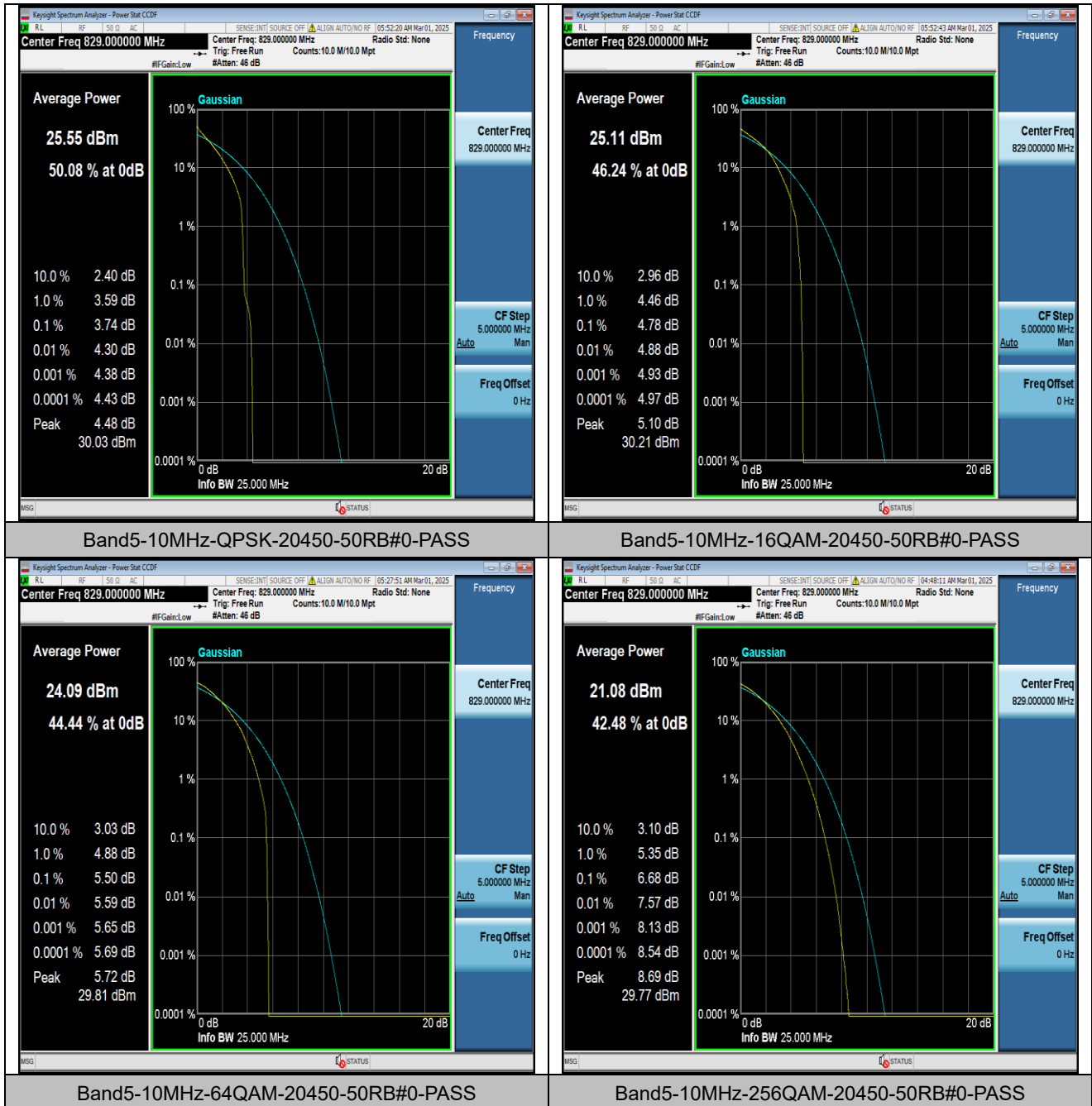
Band5	10MHz	256QAM	20525	1RB#0	19.83	22.68	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#24	19.95	22.8	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#49	19.9	22.75	38.45	PASS
Band5	10MHz	256QAM	20525	50RB#0	19.86	22.71	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	24.3	27.15	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	24.27	27.12	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	24.23	27.08	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	23.87	26.72	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.89	26.74	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	24.01	26.86	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	24.06	26.91	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.89	25.74	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	23.05	25.9	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	22.91	25.76	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	22.97	25.82	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	21.82	24.67	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#0	19.5	22.35	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#24	19.8	22.65	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#49	19.84	22.69	38.45	PASS
Band5	10MHz	256QAM	20600	50RB#0	19.89	22.74	38.45	PASS

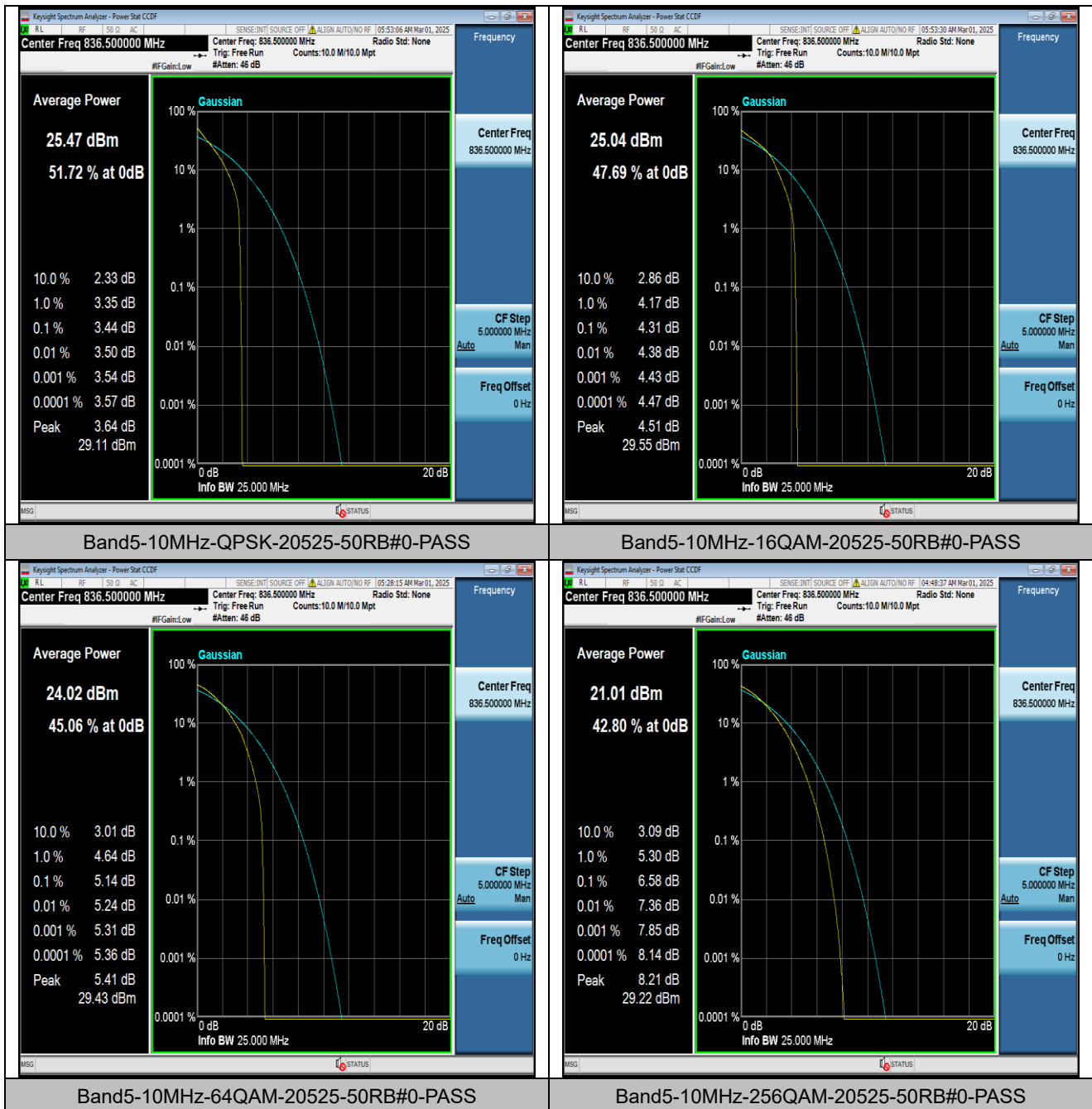
Peak-to-Average Ratio(CCDF)

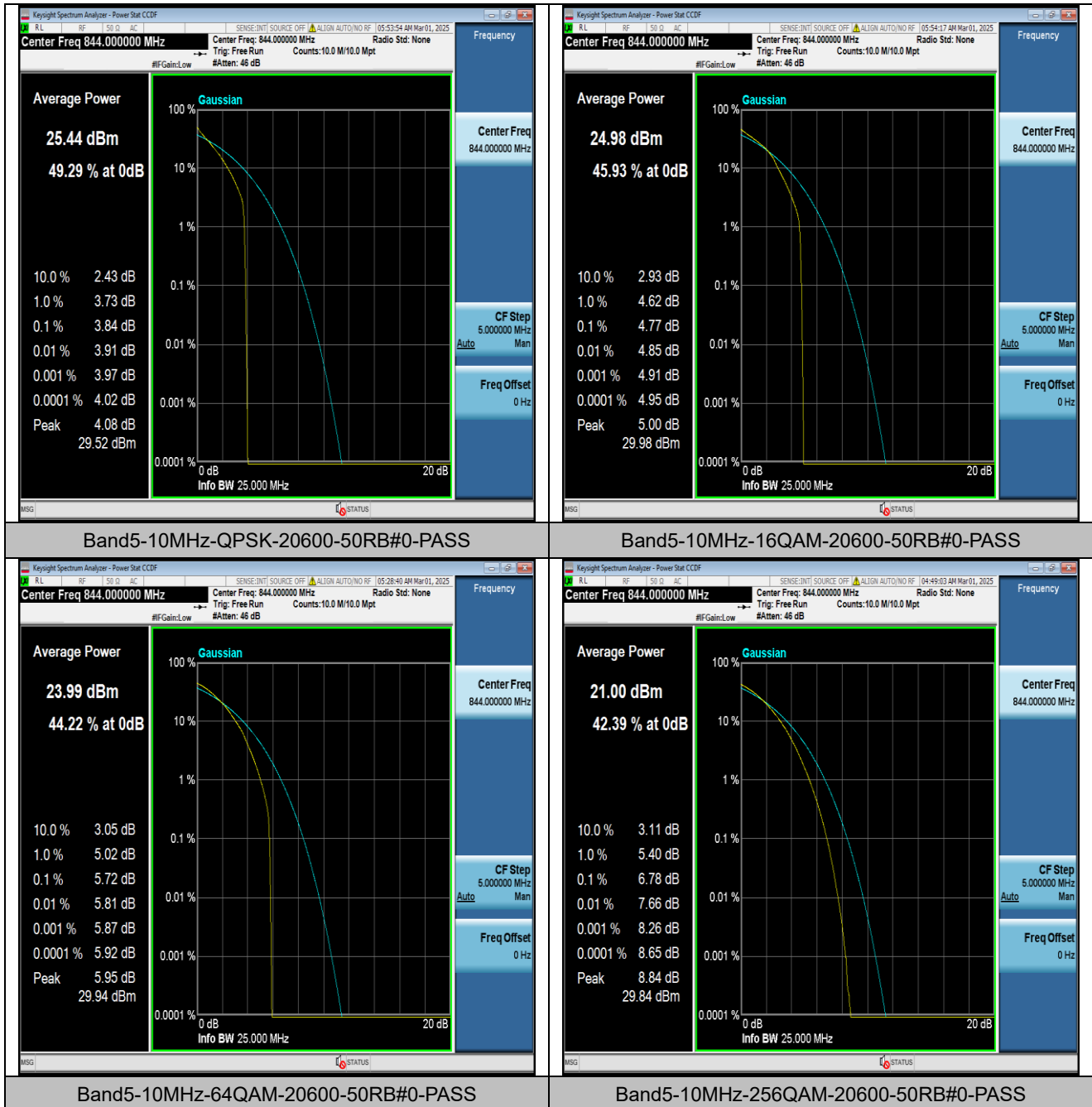
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	3.74	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	4.78	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	5.50	13	PASS
Band5	10MHz	256QAM	20450	50RB#0	6.68	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	3.44	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	4.31	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	5.14	13	PASS
Band5	10MHz	256QAM	20525	50RB#0	6.58	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	3.84	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	4.77	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	5.72	13	PASS
Band5	10MHz	256QAM	20600	50RB#0	6.78	13	PASS

Test Graphs







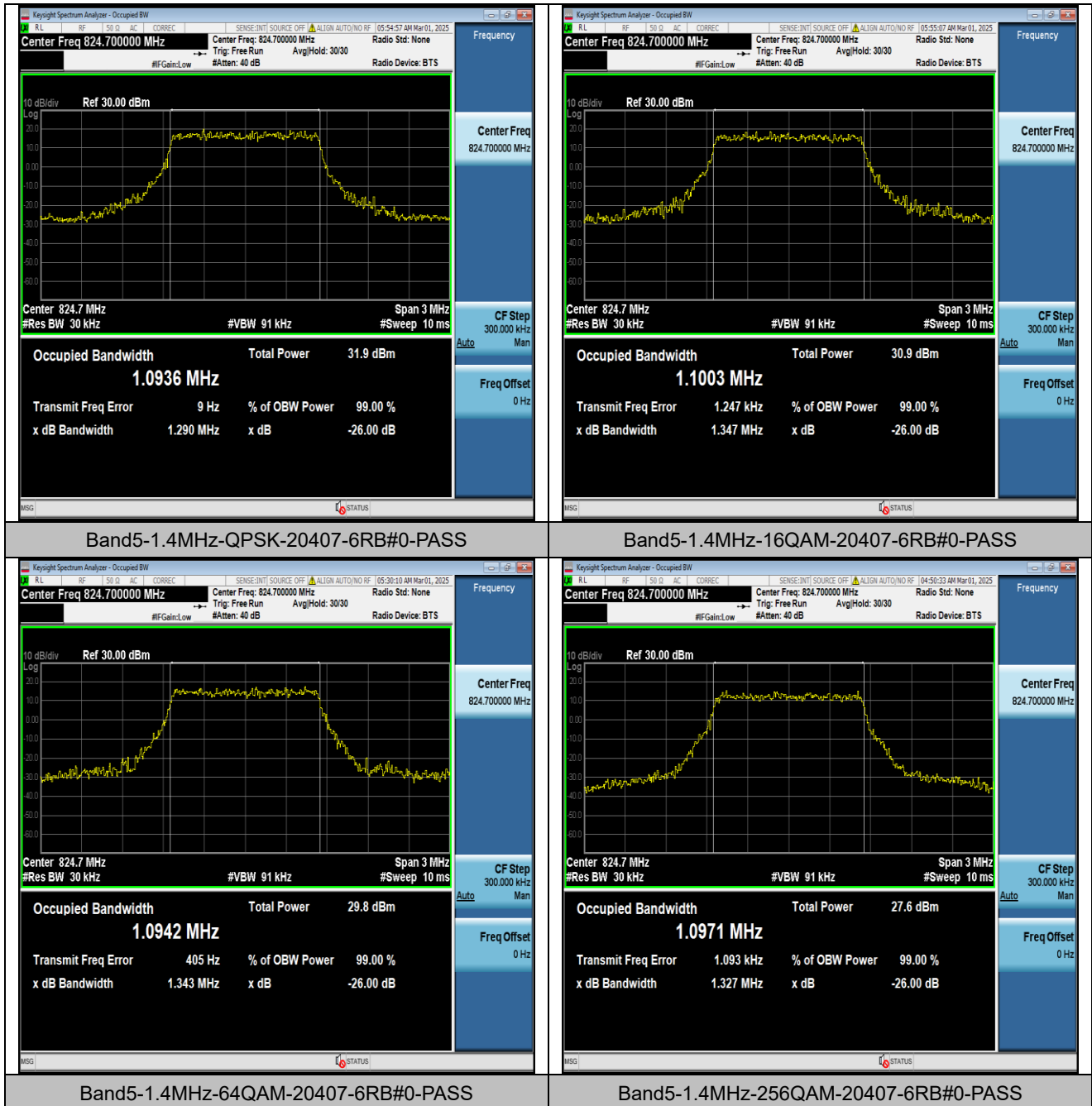
26dB Bandwidth and Occupied Bandwidth

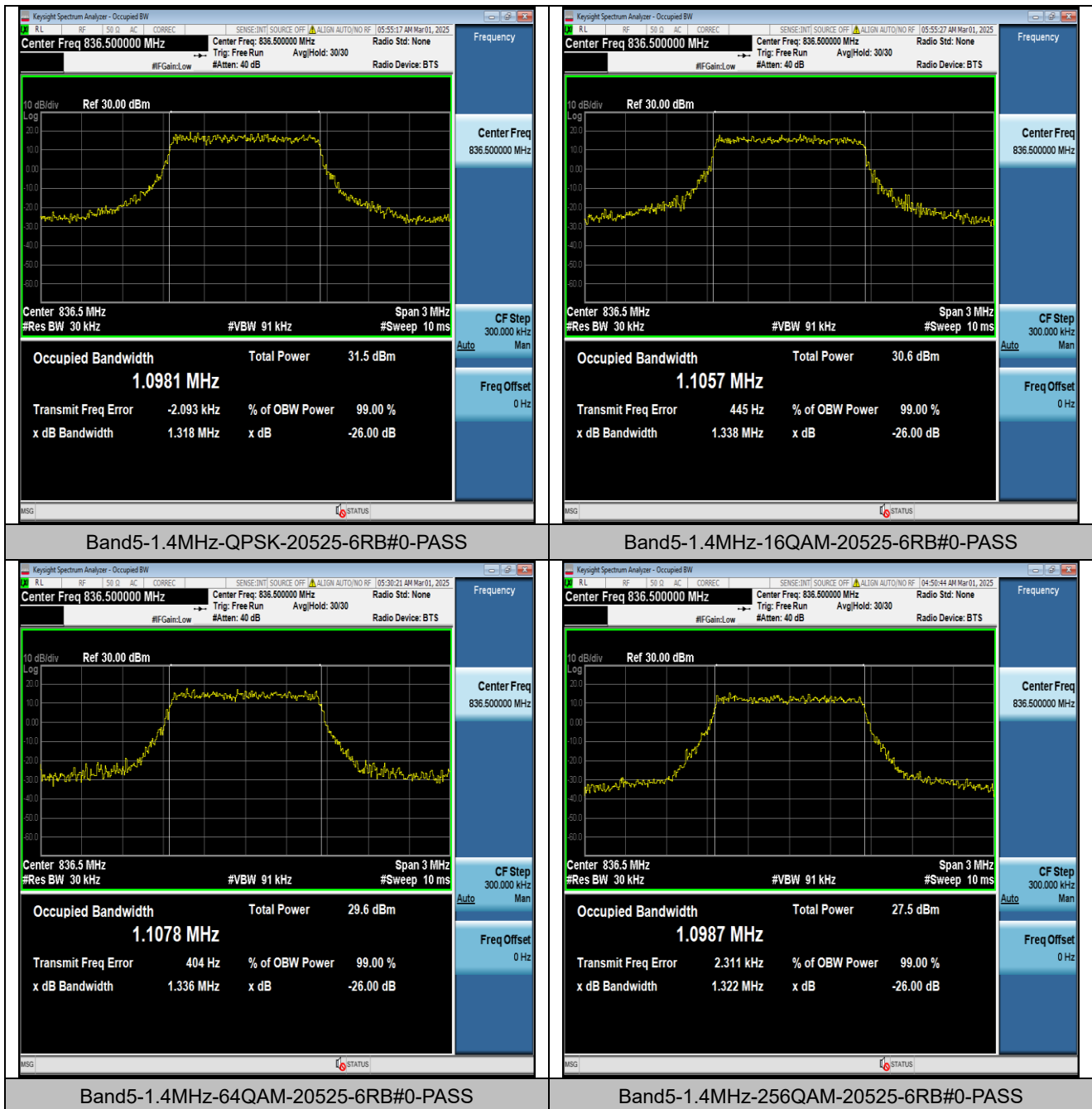
Test Result

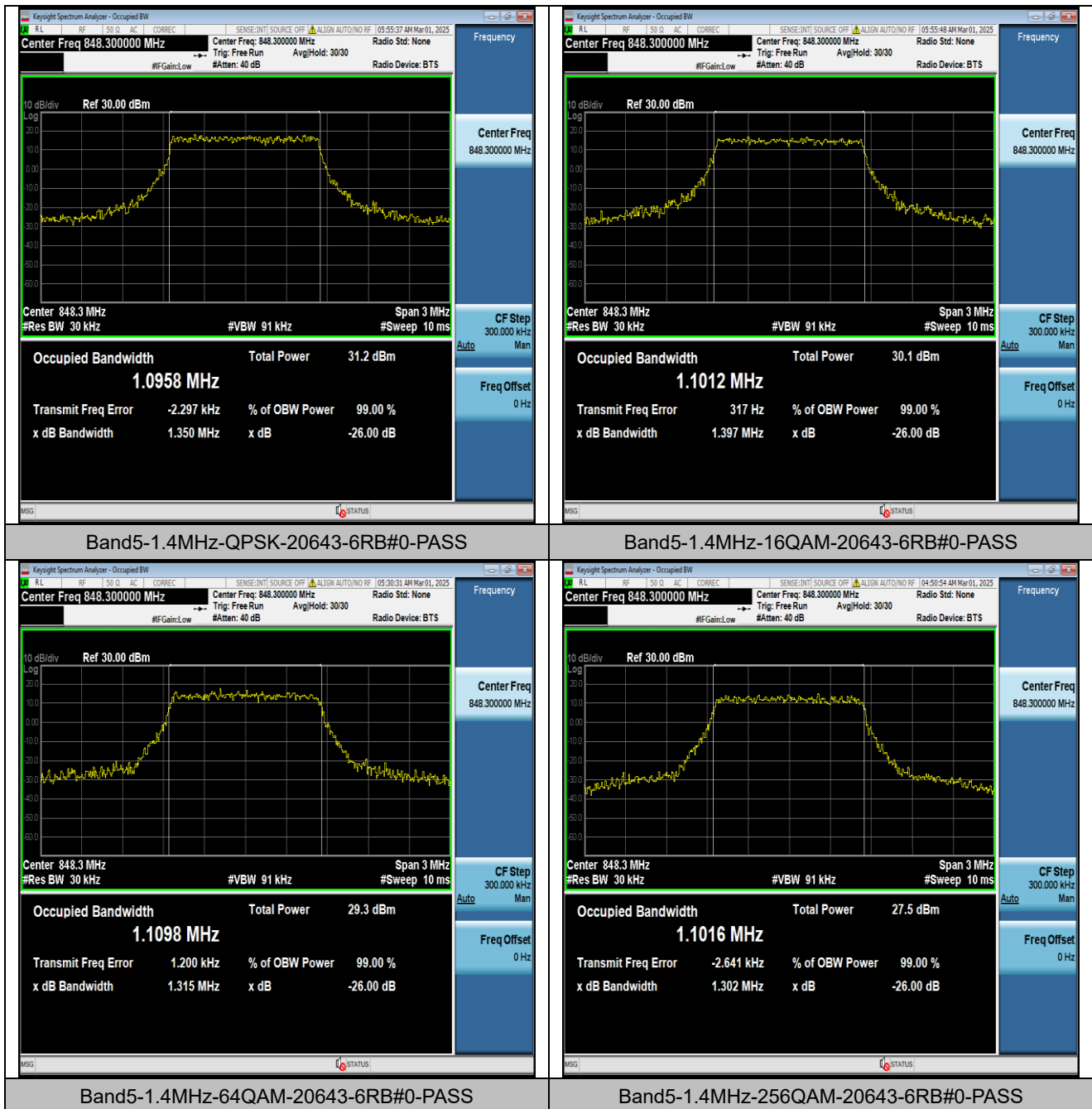
Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0936	1.290	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1003	1.347	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.0942	1.343	PASS
Band5	1.4MHz	256QAM	20407	6RB#0	1.0971	1.327	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0981	1.318	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1057	1.338	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.1078	1.336	PASS
Band5	1.4MHz	256QAM	20525	6RB#0	1.0987	1.322	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0958	1.350	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.1012	1.397	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.1098	1.315	PASS
Band5	1.4MHz	256QAM	20643	6RB#0	1.1016	1.302	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6936	3.014	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7030	3.043	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.7023	2.984	PASS
Band5	3MHz	256QAM	20415	15RB#0	2.7107	3.040	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6995	3.031	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6935	3.065	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.6920	2.992	PASS
Band5	3MHz	256QAM	20525	15RB#0	2.7034	3.022	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6901	3.009	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6955	3.015	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.7041	2.998	PASS
Band5	3MHz	256QAM	20635	15RB#0	2.6946	2.963	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.4887	5.098	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4835	5.114	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.4815	5.003	PASS
Band5	5MHz	256QAM	20425	25RB#0	4.4900	5.024	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4860	5.110	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4993	5.048	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.5063	5.088	PASS
Band5	5MHz	256QAM	20525	25RB#0	4.4999	5.127	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4923	5.041	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.4953	5.108	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.4784	5.020	PASS
Band5	5MHz	256QAM	20625	25RB#0	4.4943	4.981	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9860	10.03	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9896	10.00	PASS

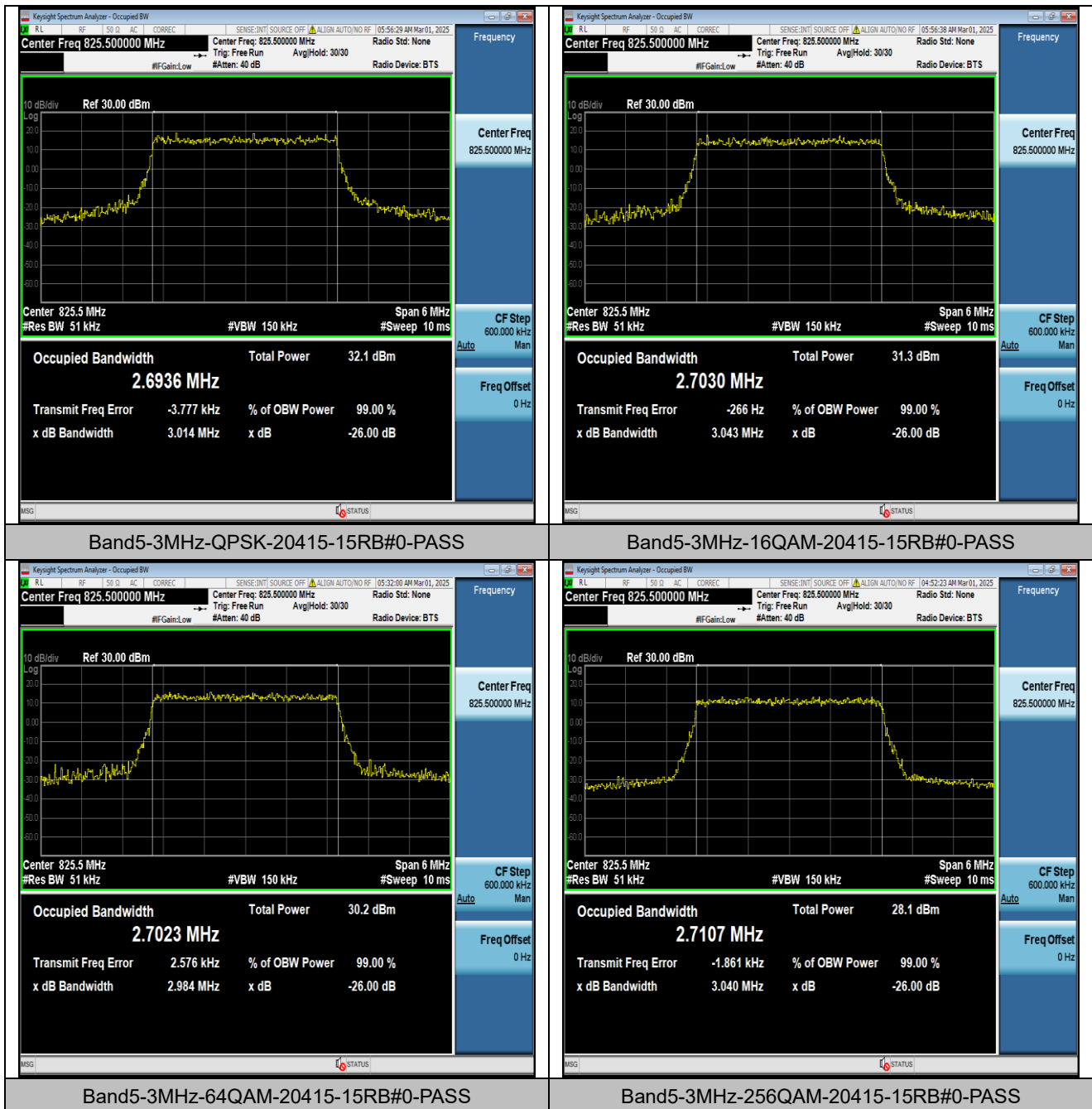
Band5	10MHz	64QAM	20450	50RB#0	8.9802	10.06	PASS
Band5	10MHz	256QAM	20450	50RB#0	8.9786	10.02	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9823	9.948	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9960	9.956	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.9789	9.915	PASS
Band5	10MHz	256QAM	20525	50RB#0	8.9735	10.02	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9631	9.833	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9897	9.949	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.9642	9.972	PASS
Band5	10MHz	256QAM	20600	50RB#0	8.9937	9.980	PASS

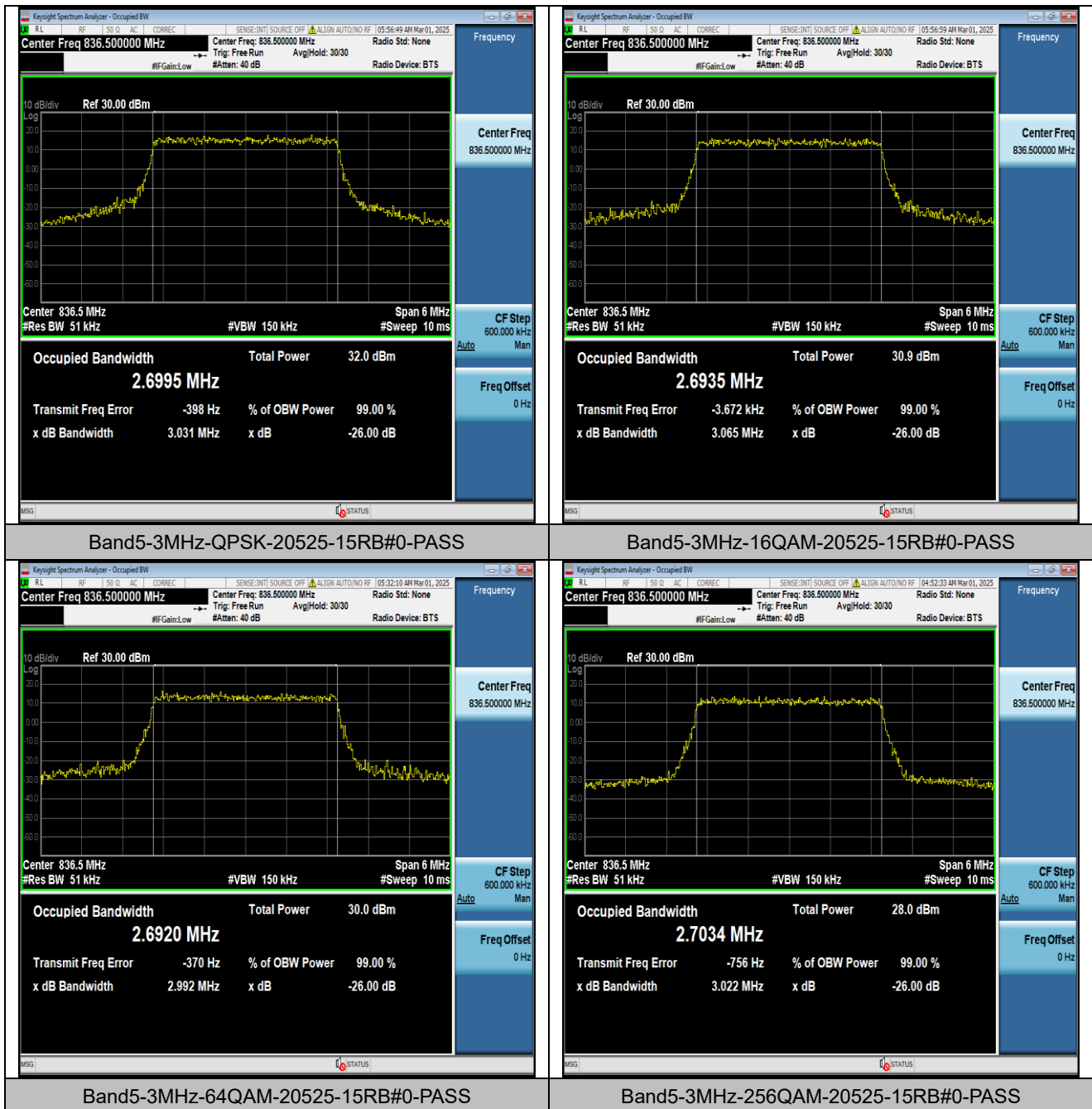
Test Graphs

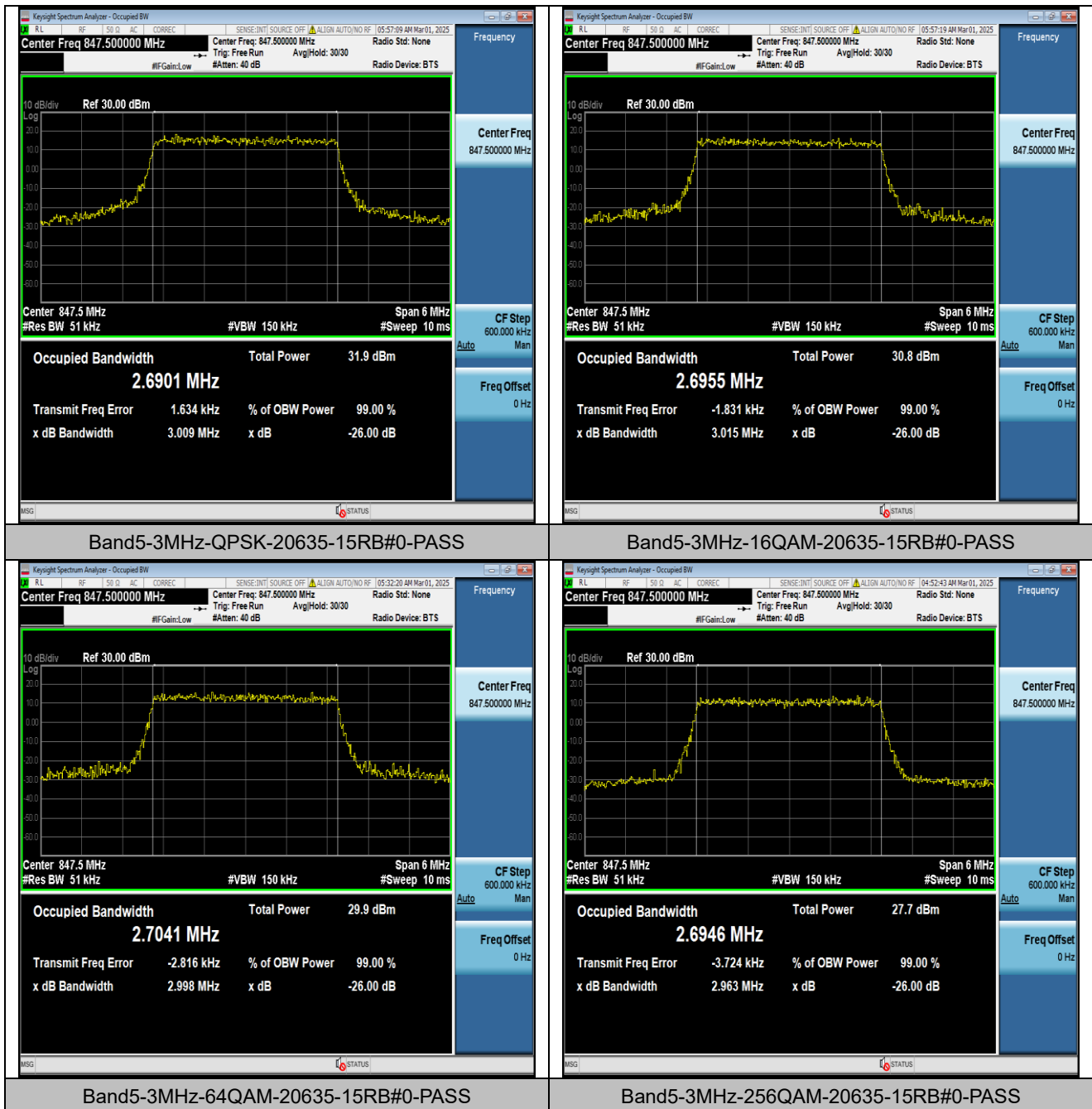


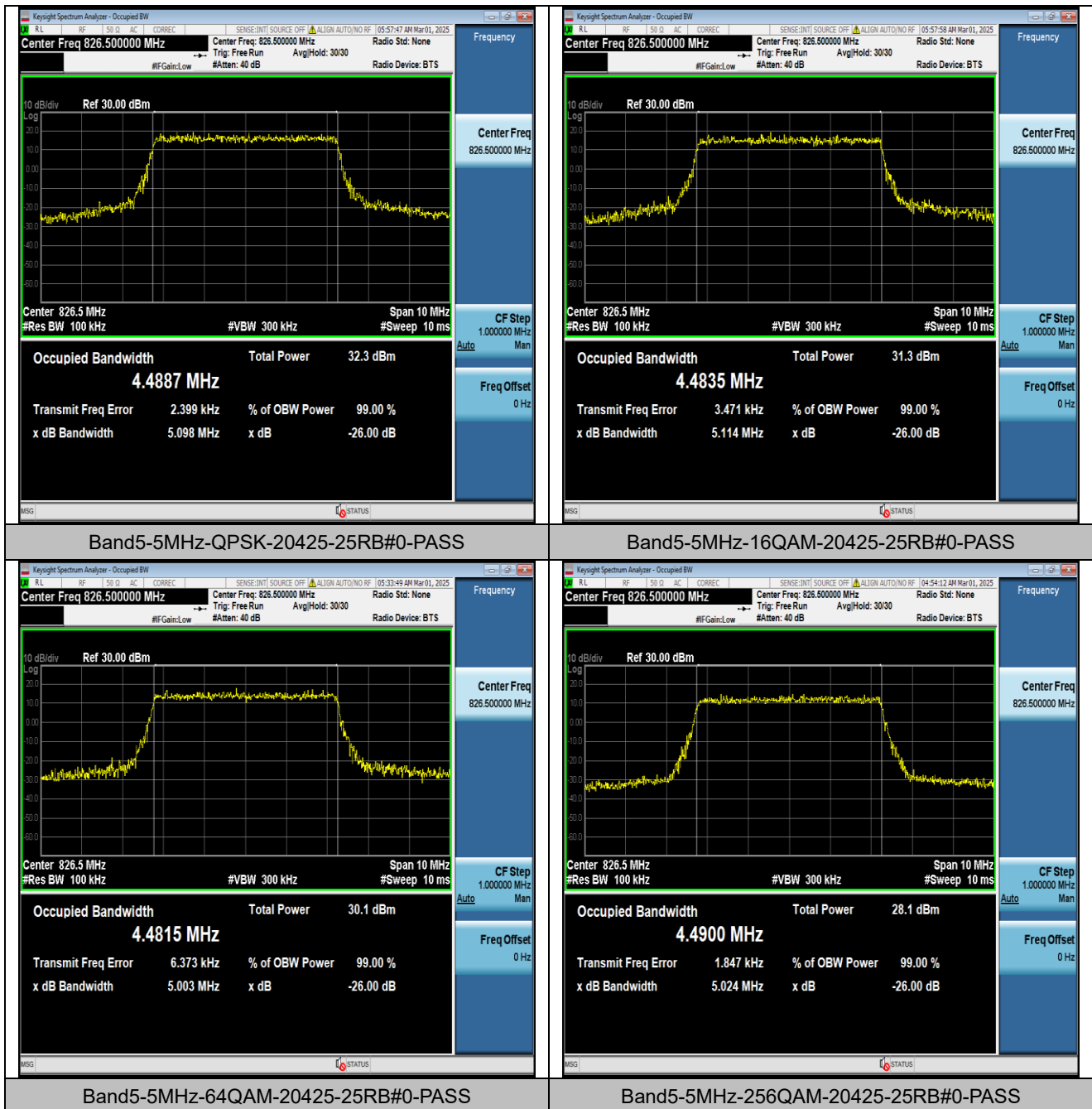


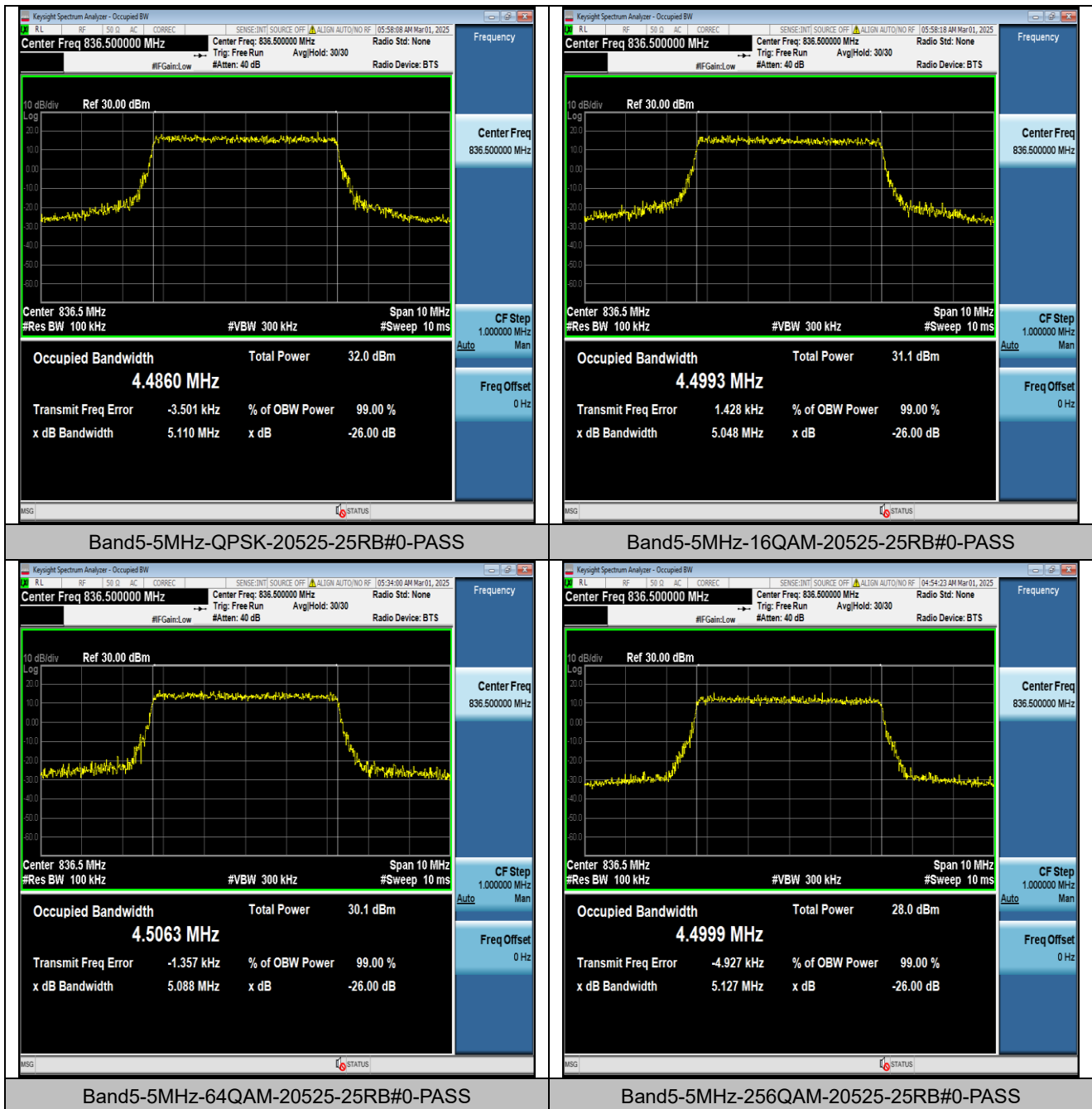


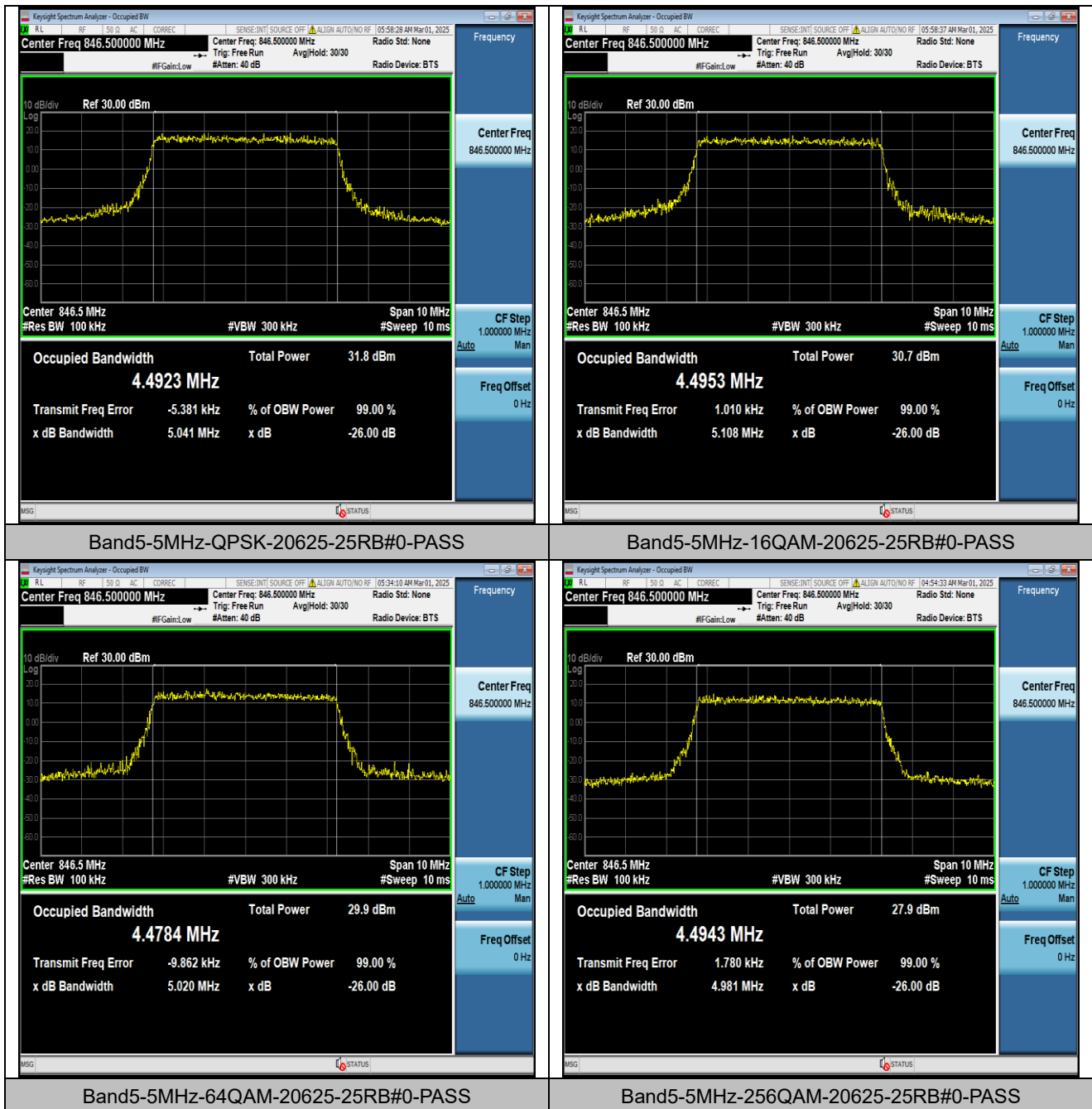


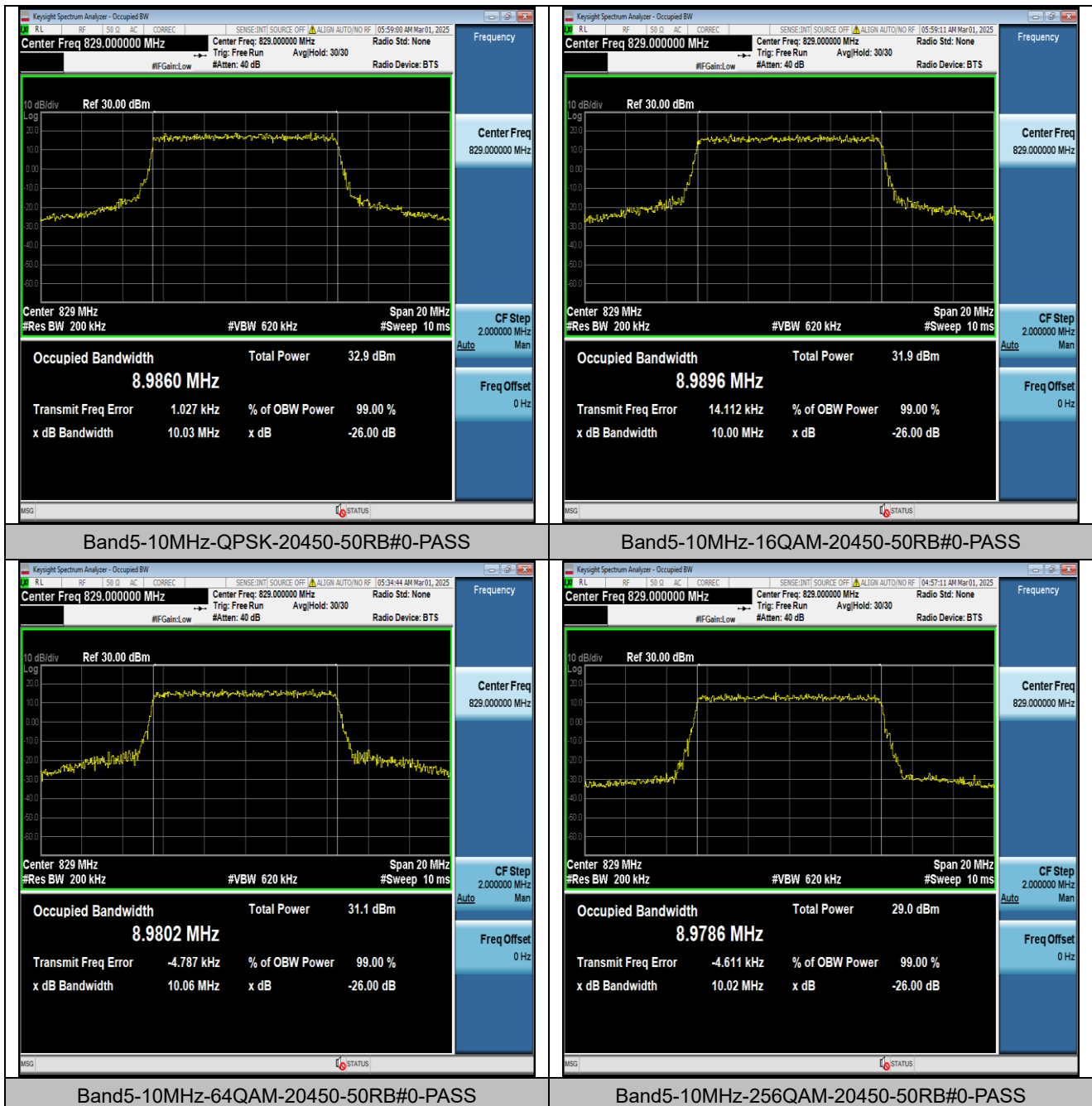


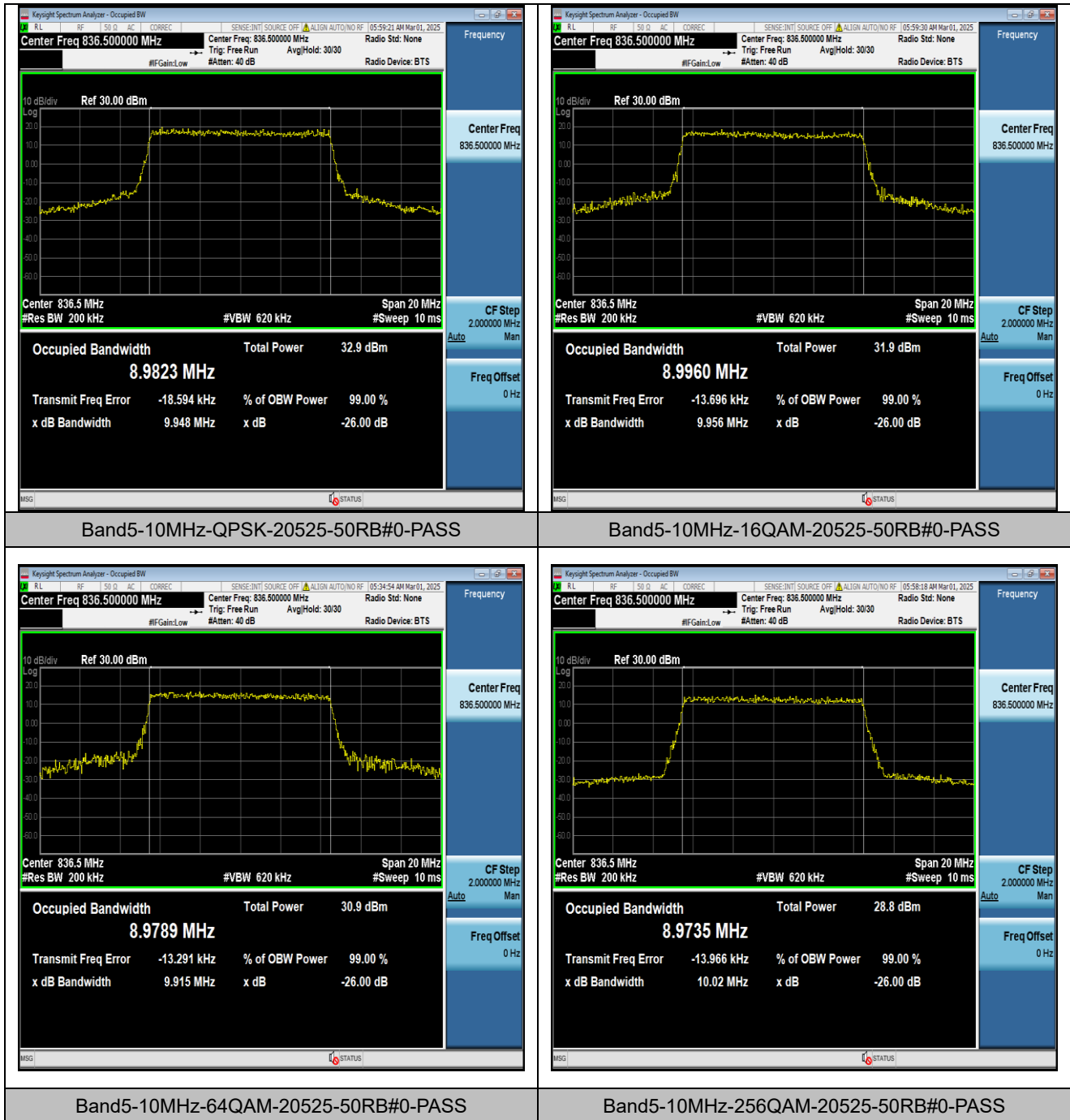


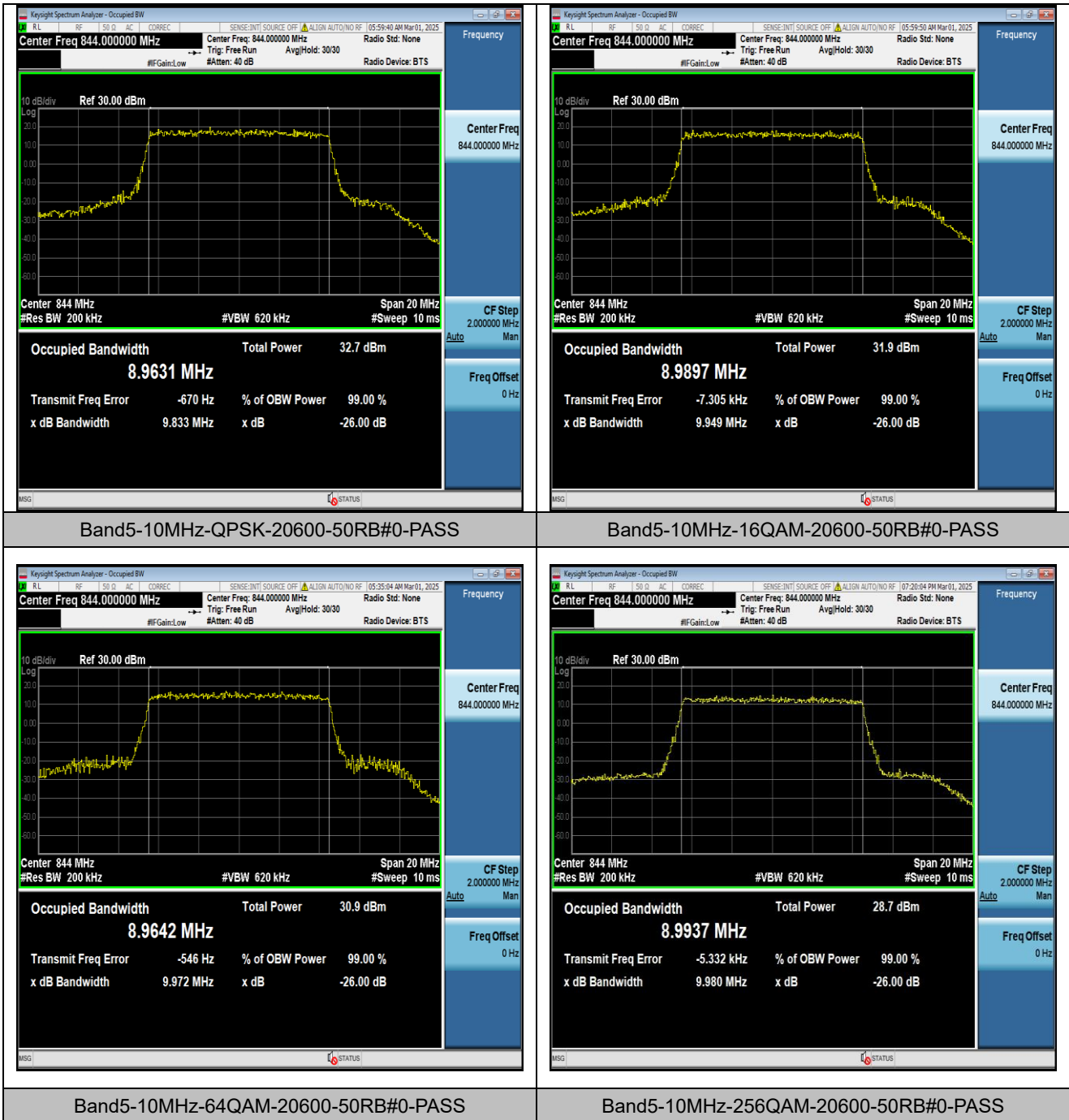












Band Edge

Test Graphs

