

Appendix-A LTE Band 17

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	22.3	18.73	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#12	22.01	18.44	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	21.78	18.21	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	20.79	17.22	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	21.67	18.1	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#12	21.88	18.31	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	21.6	18.03	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	20.7	17.13	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	21.65	18.08	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#12	21.87	18.3	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	21.63	18.06	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	20.61	17.04	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	21.21	17.64	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#12	21.27	17.7	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	20.79	17.22	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	19.86	16.29	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	20.73	17.16	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#12	21.23	17.66	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	20.67	17.1	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	19.7	16.13	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	20.92	17.35	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#12	21.34	17.77	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	20.83	17.26	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	19.61	16.04	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#0	20.75	17.18	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#12	21.2	17.63	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#24	20.84	17.27	34.77	PASS
Band17	5MHz	64QAM	23755	25RB#0	19.69	16.12	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#0	20.84	17.27	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#12	20.63	17.06	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#24	20.67	17.1	34.77	PASS
Band17	5MHz	64QAM	23790	25RB#0	19.6	16.03	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#0	20.63	17.06	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#12	20.7	17.13	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#24	20.69	17.12	34.77	PASS
Band17	5MHz	64QAM	23825	25RB#0	19.46	15.89	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	21.68	18.11	34.77	PASS

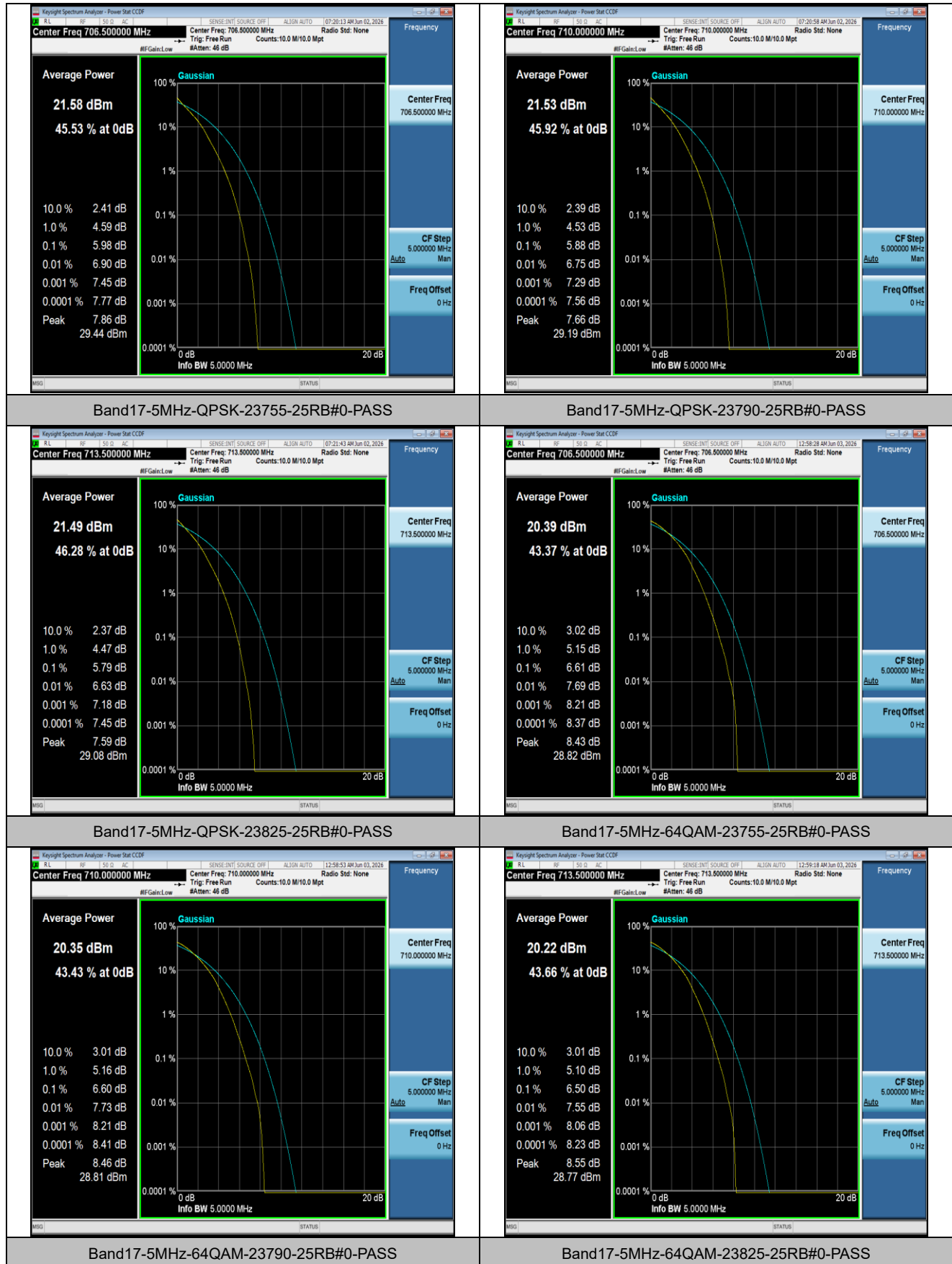
Band17	10MHz	QPSK	23780	1RB#24	21.87	18.3	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	21.57	18	34.77	PASS
Band17	10MHz	QPSK	23780	50RB#0	20.82	17.25	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	21.74	18.17	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	21.84	18.27	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	21.61	18.04	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	20.69	17.12	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	21.76	18.19	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	21.87	18.3	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	21.72	18.15	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	20.63	17.06	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	20.94	17.37	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	21.19	17.62	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	20.78	17.21	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	19.8	16.23	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	20.9	17.33	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#24	21.25	17.68	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	20.75	17.18	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	19.73	16.16	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	20.69	17.12	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	21.21	17.64	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	20.59	17.02	34.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	19.62	16.05	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#0	20.86	17.29	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#24	20.78	17.21	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#49	20.67	17.1	34.77	PASS
Band17	10MHz	64QAM	23780	50RB#0	19.74	16.17	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#0	20.95	17.38	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#24	20.88	17.31	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#49	20.56	16.99	34.77	PASS
Band17	10MHz	64QAM	23790	50RB#0	19.7	16.13	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#0	20.98	17.41	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#24	21.05	17.48	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#49	20.66	17.09	34.77	PASS
Band17	10MHz	64QAM	23800	50RB#0	19.59	16.02	34.77	PASS

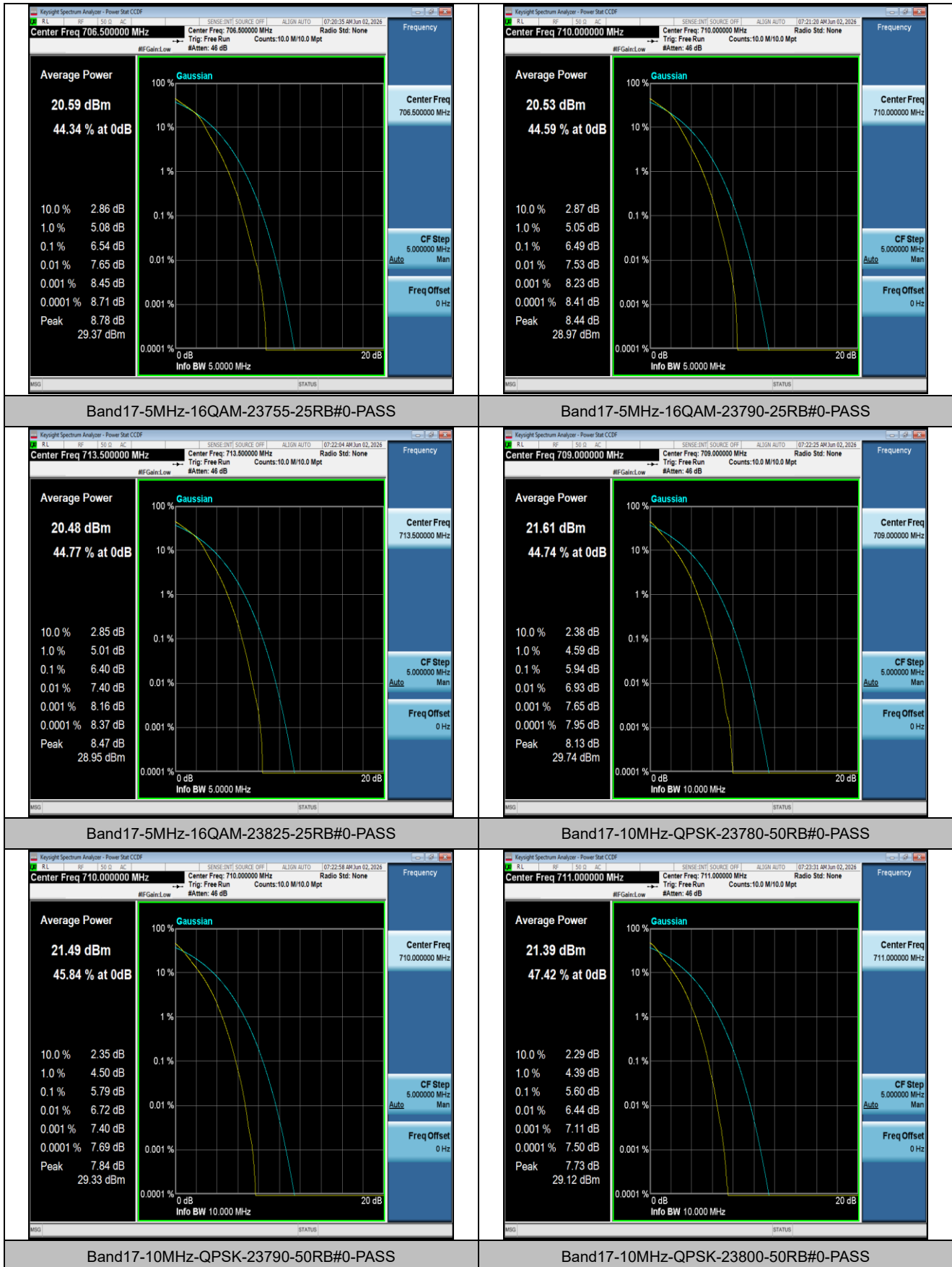
Peak-to-Average Ratio(CCDF)

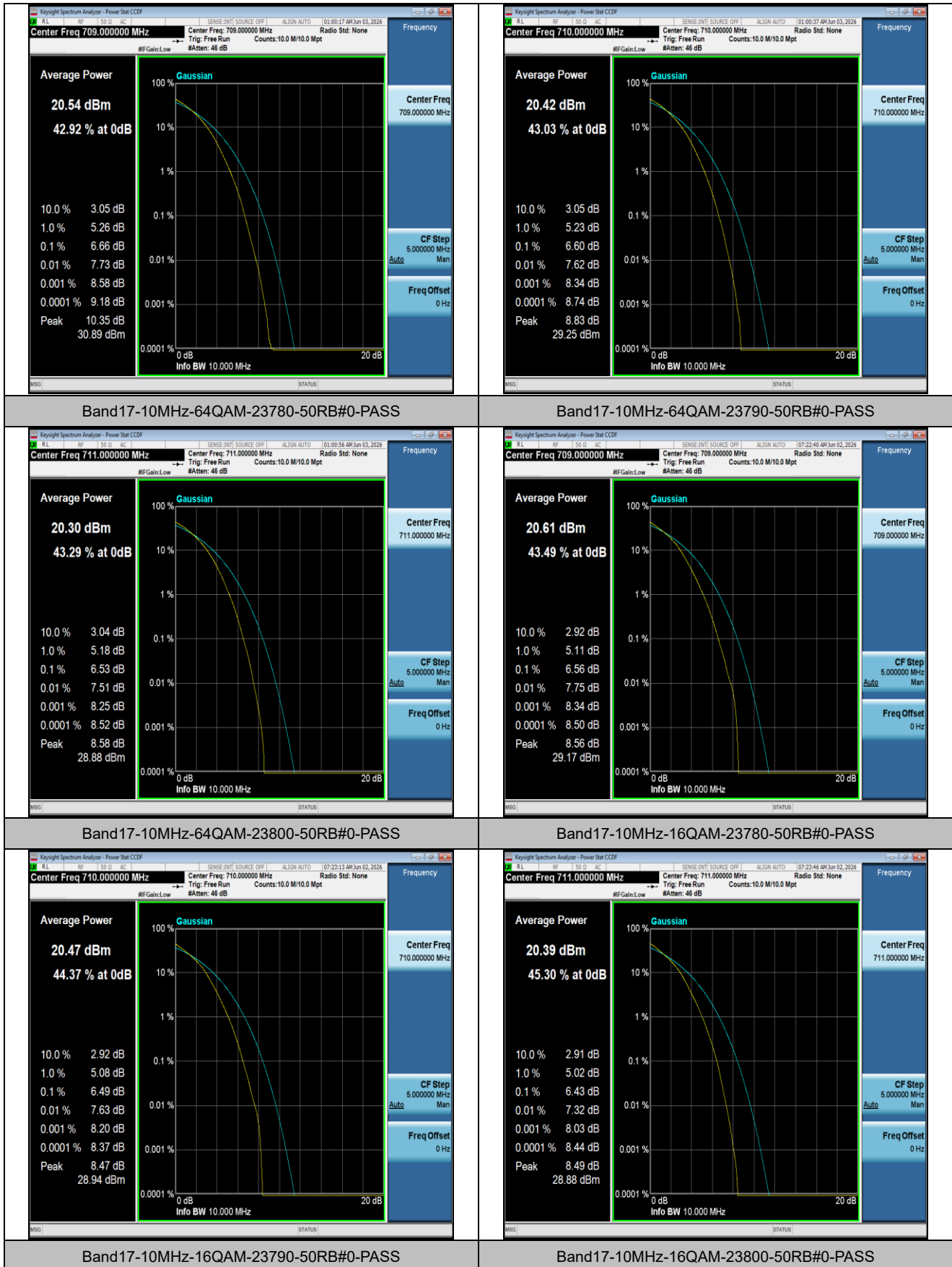
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	5.98	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.88	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.79	13	PASS
Band17	5MHz	64QAM	23755	25RB#0	6.61	13	PASS
Band17	5MHz	64QAM	23790	25RB#0	6.60	13	PASS
Band17	5MHz	64QAM	23825	25RB#0	6.50	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.54	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.49	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.40	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.94	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.79	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.60	13	PASS
Band17	10MHz	64QAM	23780	50RB#0	6.66	13	PASS
Band17	10MHz	64QAM	23790	50RB#0	6.60	13	PASS
Band17	10MHz	64QAM	23800	50RB#0	6.53	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.56	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.49	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.43	13	PASS

Test Graphs





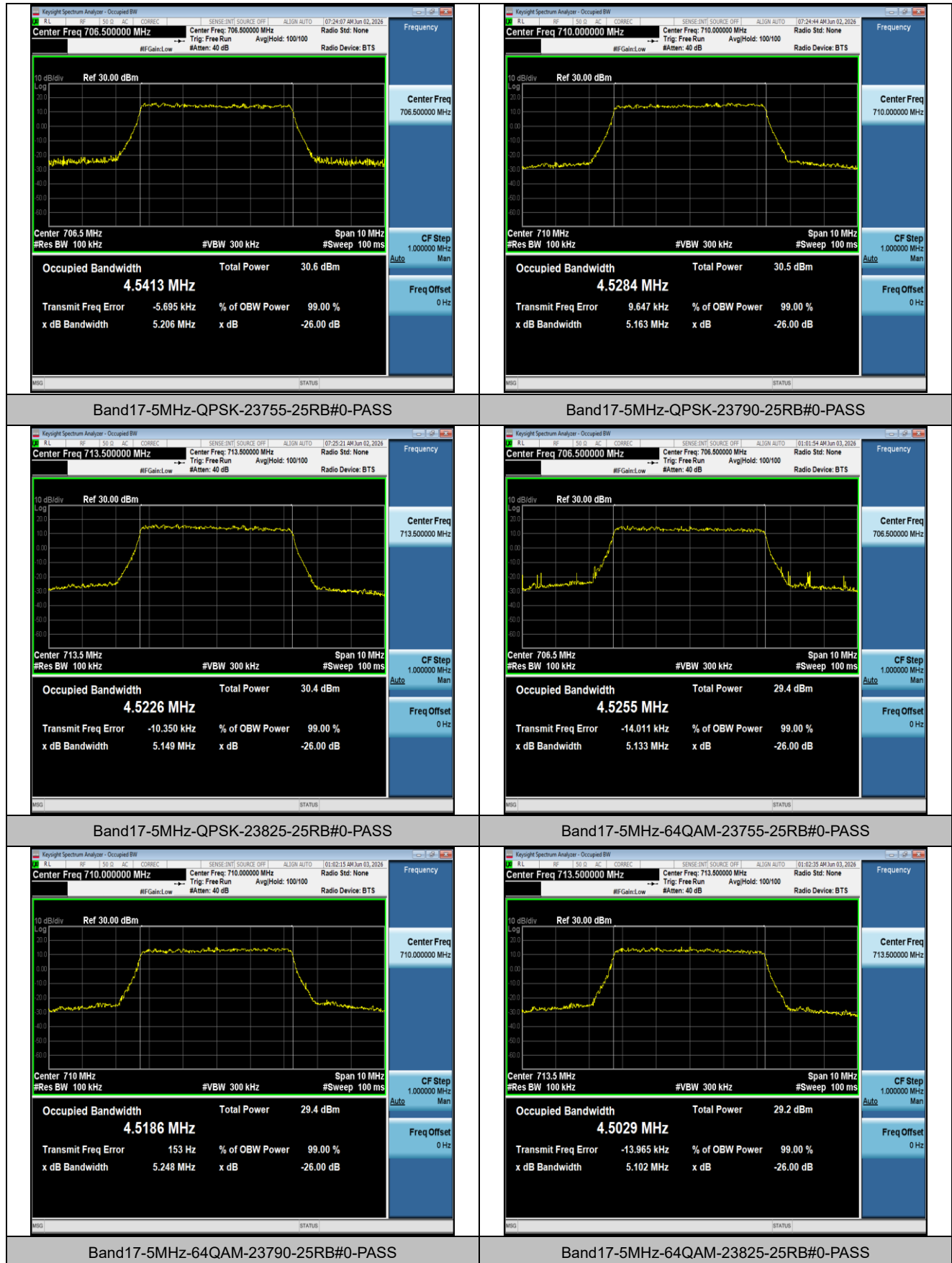


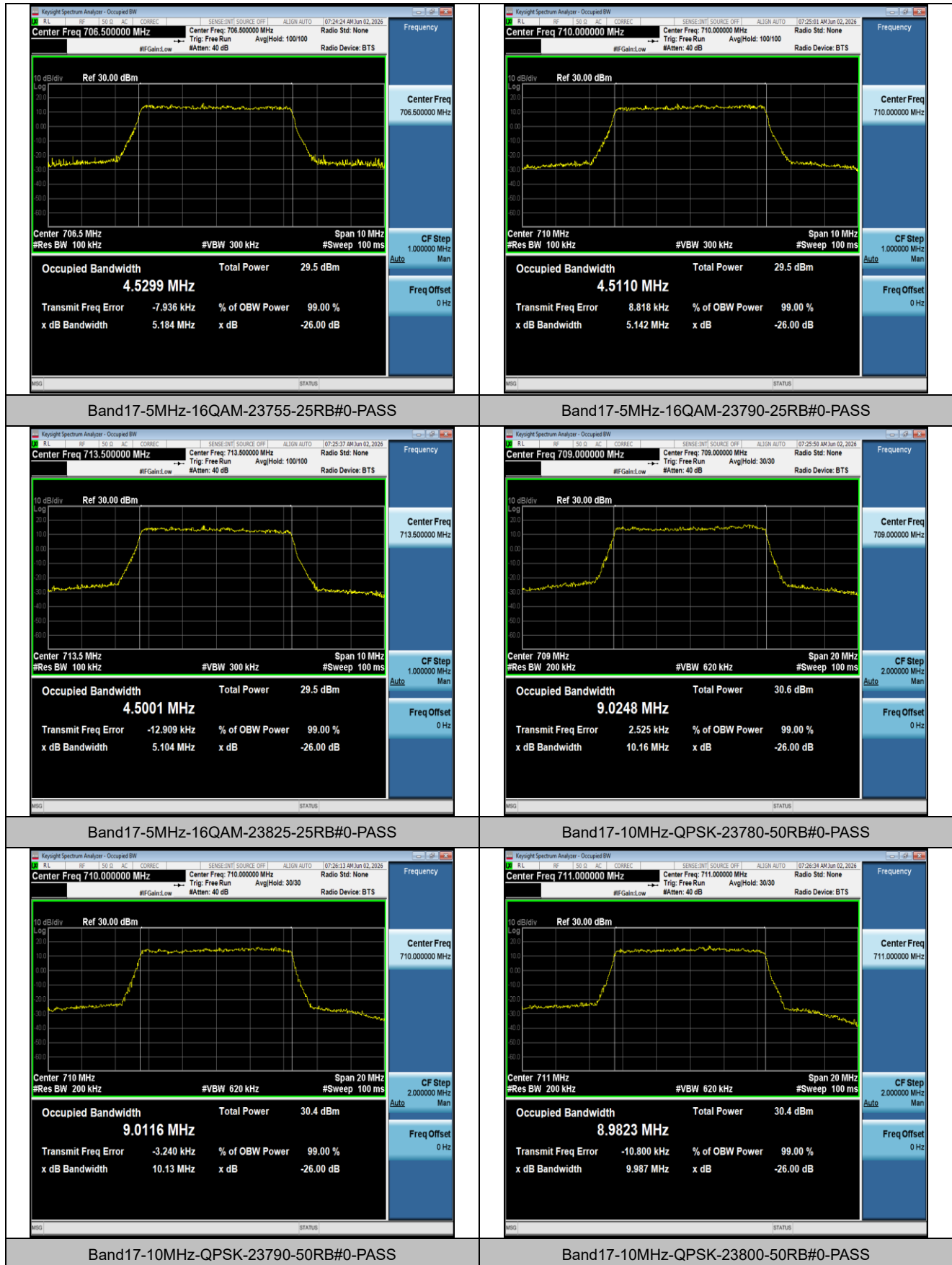
26dB Bandwidth and Occupied Bandwidth

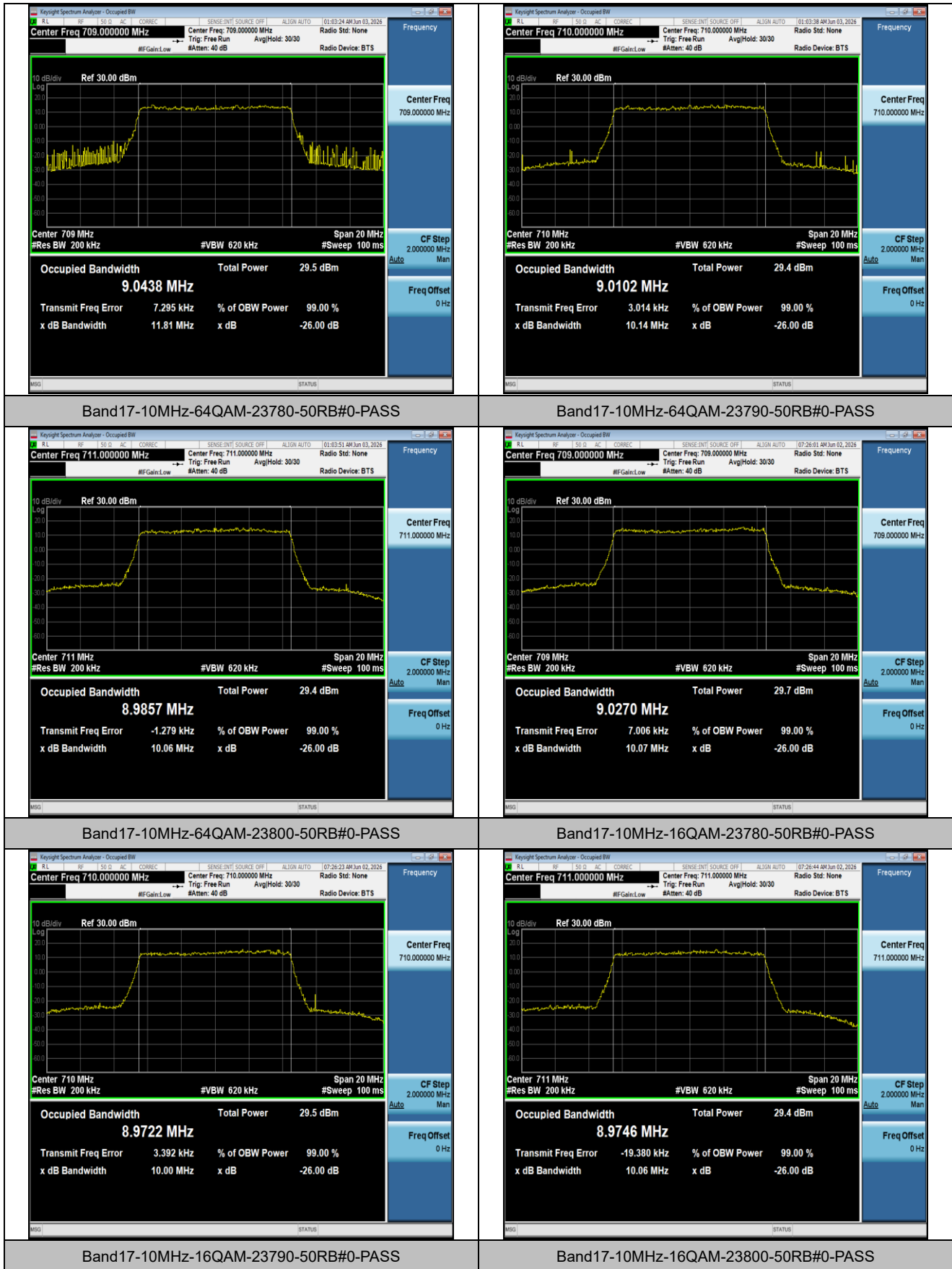
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5413	5.206	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5284	5.163	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5226	5.149	PASS
Band17	5MHz	64QAM	23755	25RB#0	4.5255	5.133	PASS
Band17	5MHz	64QAM	23790	25RB#0	4.5186	5.248	PASS
Band17	5MHz	64QAM	23825	25RB#0	4.5029	5.102	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5299	5.184	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5110	5.142	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5001	5.104	PASS
Band17	10MHz	QPSK	23780	50RB#0	9.0248	10.16	PASS
Band17	10MHz	QPSK	23790	50RB#0	9.0116	10.13	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9823	9.987	PASS
Band17	10MHz	64QAM	23780	50RB#0	9.0438	11.81	PASS
Band17	10MHz	64QAM	23790	50RB#0	9.0102	10.14	PASS
Band17	10MHz	64QAM	23800	50RB#0	8.9857	10.06	PASS
Band17	10MHz	16QAM	23780	50RB#0	9.0270	10.07	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9722	10.00	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9746	10.06	PASS

Test Graphs

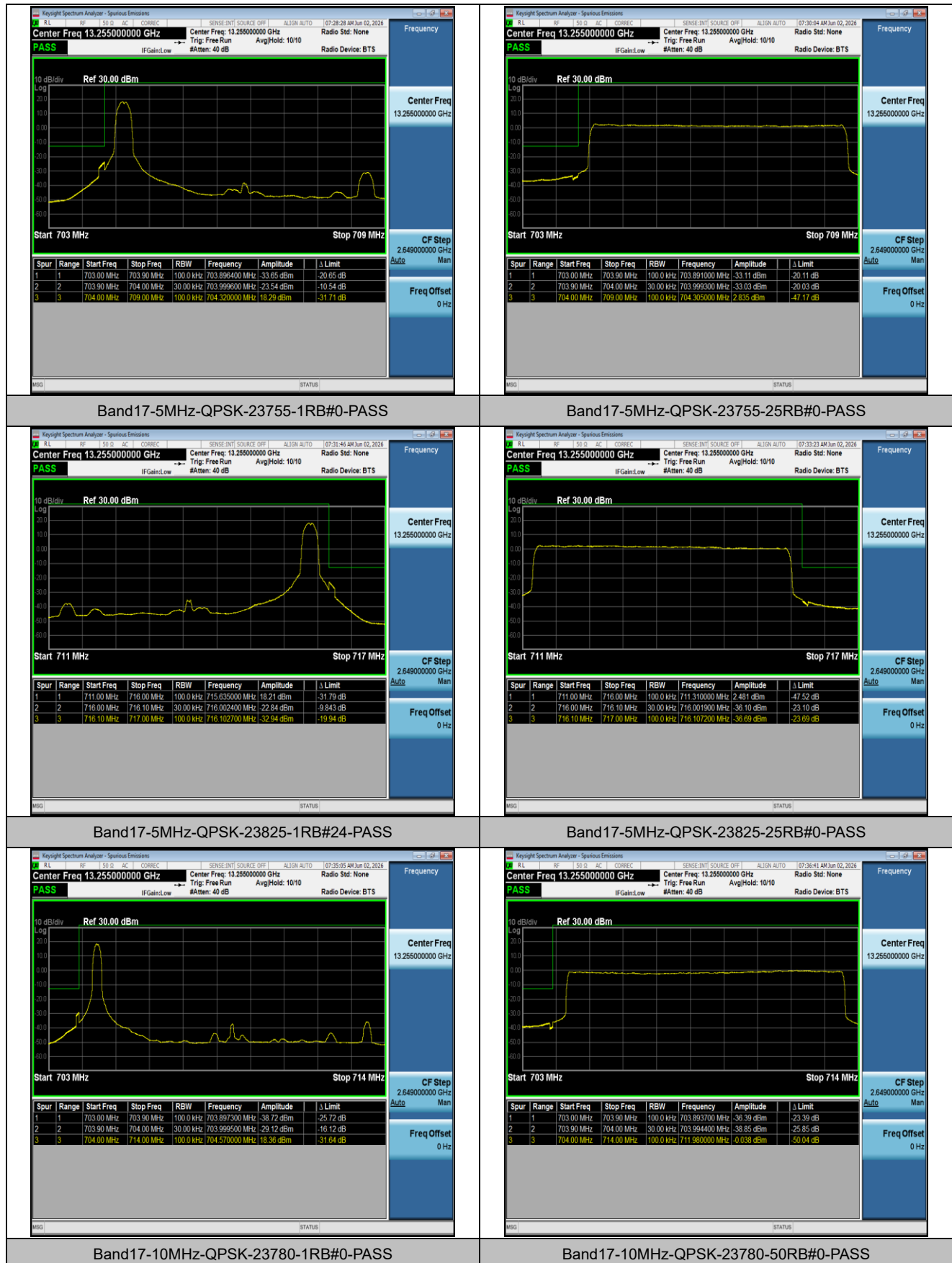


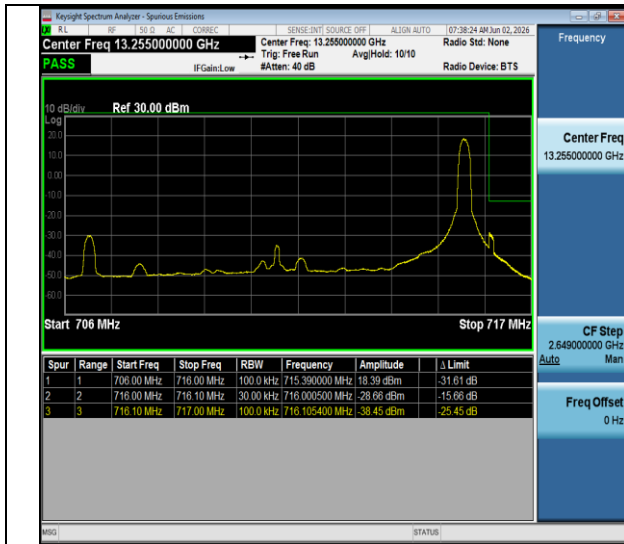




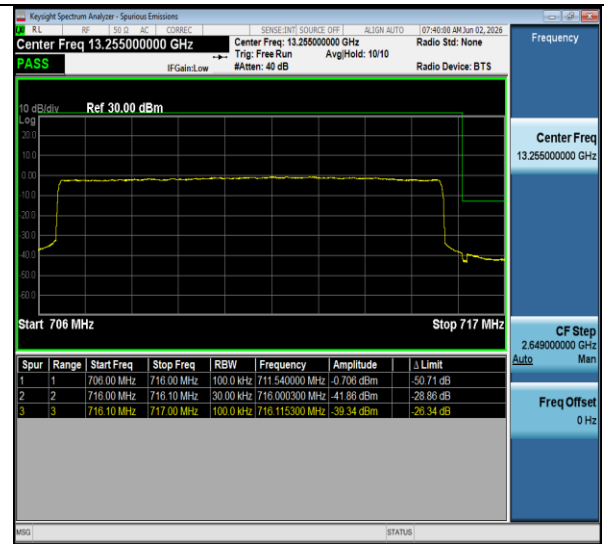
Band Edge

Test Graphs





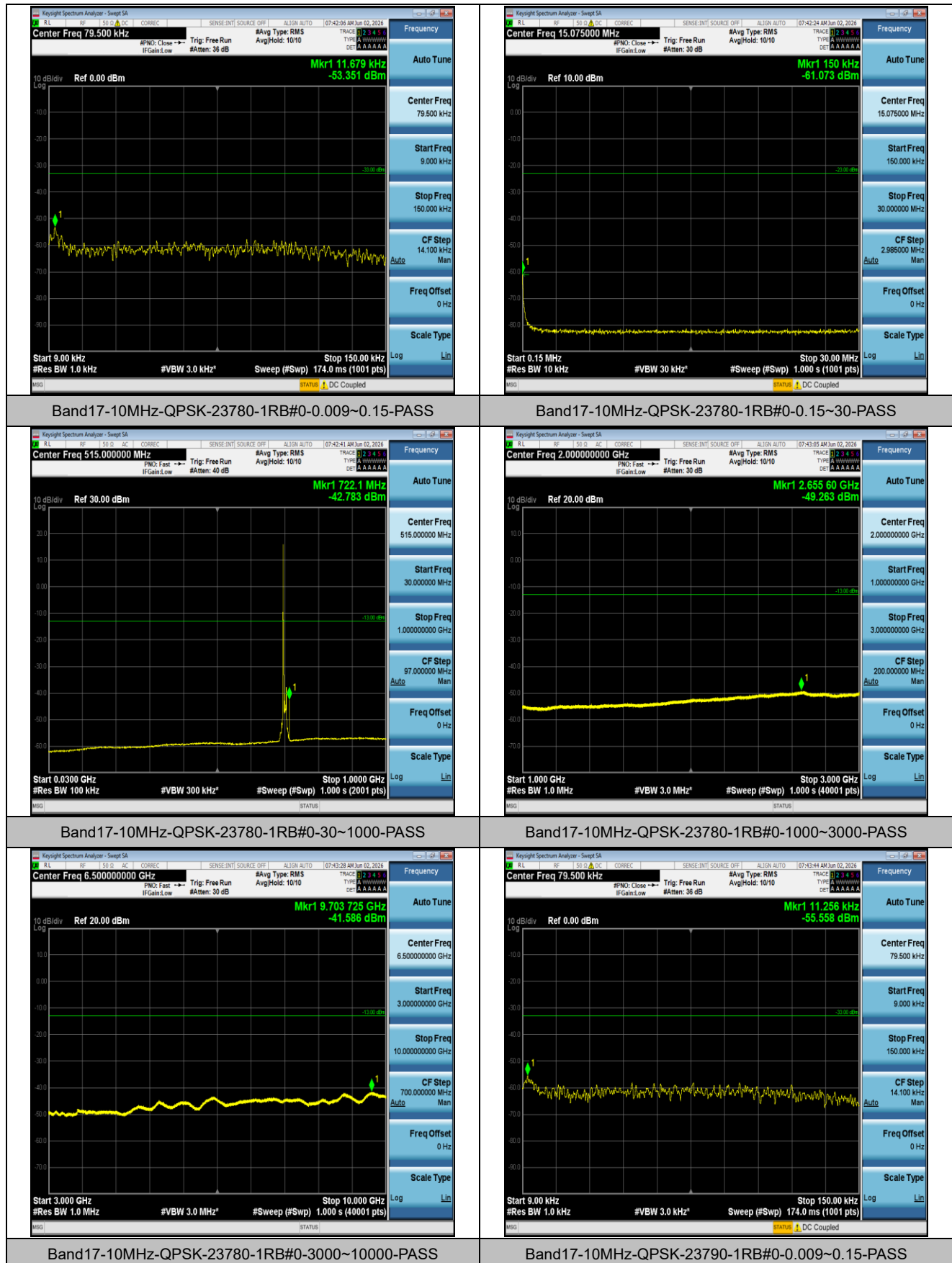
Band17-10MHz-QPSK-23800-1RB#49-PASS

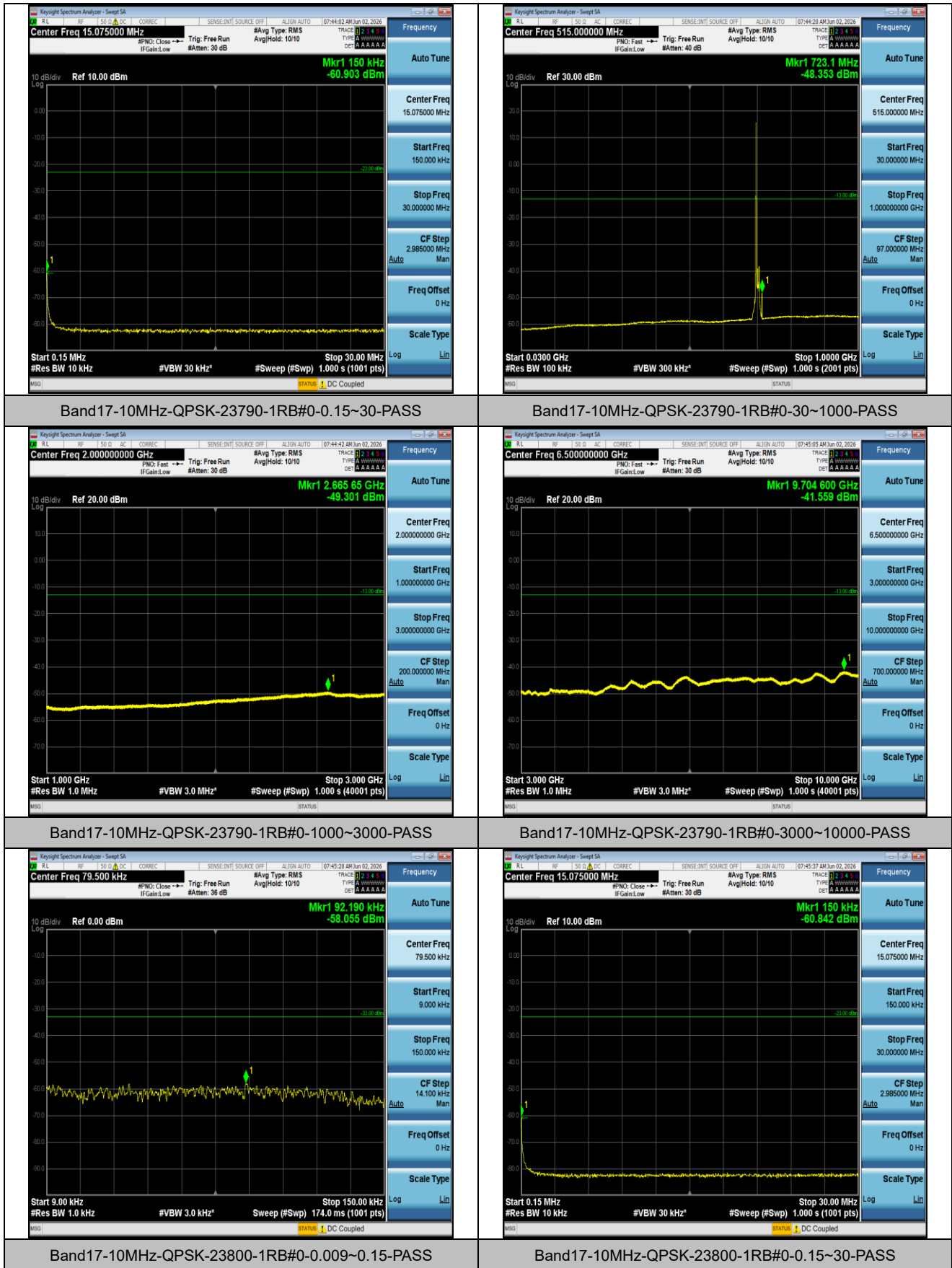


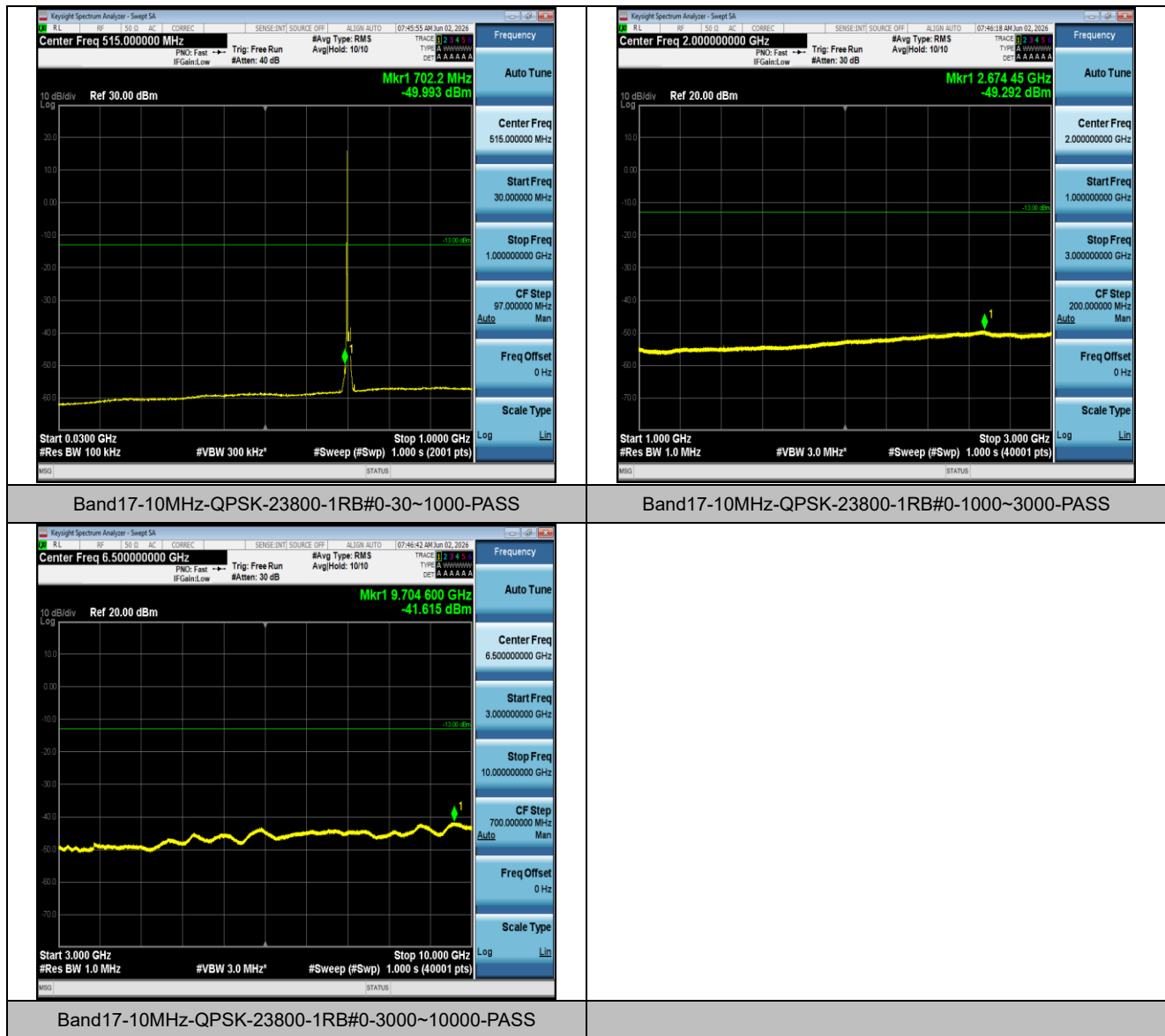
Band17-10MHz-QPSK-23800-50RB#0-PASS

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
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	-8.47	-0.011930	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-5.42	-0.007634	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-6.27	-0.008831	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	-9.57	-0.013479	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-7.60	-0.010704	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	2.30	0.003239	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	-8.34	-0.011746	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-4.08	-0.005746	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	5.06	0.007127	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	-10.50	-0.014789	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	-8.58	-0.012085	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	-8.25	-0.011620	PASS

~The End~