

Appendix-D LTE Band 17

Effective 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	23.76	18.21	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.80	18.25	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.71	18.16	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.76	17.21	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.86	17.31	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.78	17.23	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.81	17.26	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	23.09	17.54	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#12	23.05	17.5	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.83	17.28	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.77	16.22	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.91	16.36	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.82	16.27	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.83	16.28	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#0	21.95	16.4	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#12	21.85	16.3	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#24	21.86	16.31	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#0	20.68	15.13	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#6	20.79	15.24	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#13	20.75	15.2	34.77	PASS
Band17	5MHz	64QAM	23755	25RB#0	20.75	15.2	34.77	PASS
Band17	5MHz	256QAM	23755	1RB#0	18.29	12.74	34.77	PASS
Band17	5MHz	256QAM	23755	1RB#12	18.49	12.94	34.77	PASS
Band17	5MHz	256QAM	23755	1RB#24	18.43	12.88	34.77	PASS
Band17	5MHz	256QAM	23755	12RB#0	18.36	12.81	34.77	PASS
Band17	5MHz	256QAM	23755	12RB#6	18.43	12.88	34.77	PASS
Band17	5MHz	256QAM	23755	12RB#13	18.40	12.85	34.77	PASS
Band17	5MHz	256QAM	23755	25RB#0	18.46	12.91	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.77	18.22	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.76	18.21	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.65	18.1	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.78	17.23	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.80	17.25	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.84	17.29	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.75	17.2	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	23.06	17.51	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#12	23.14	17.59	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.92	17.37	34.77	PASS

Band17	5MHz	16QAM	23790	12RB#0	21.85	16.3	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#6	21.87	16.32	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.71	16.16	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.74	16.19	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#0	21.89	16.34	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#12	22.04	16.49	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#24	22.01	16.46	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#0	20.66	15.11	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#6	20.70	15.15	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#13	20.72	15.17	34.77	PASS
Band17	5MHz	64QAM	23790	25RB#0	20.70	15.15	34.77	PASS
Band17	5MHz	256QAM	23790	1RB#0	18.28	12.73	34.77	PASS
Band17	5MHz	256QAM	23790	1RB#12	18.61	13.06	34.77	PASS
Band17	5MHz	256QAM	23790	1RB#24	18.44	12.89	34.77	PASS
Band17	5MHz	256QAM	23790	12RB#0	18.44	12.89	34.77	PASS
Band17	5MHz	256QAM	23790	12RB#6	18.46	12.91	34.77	PASS
Band17	5MHz	256QAM	23790	12RB#13	18.44	12.89	34.77	PASS
Band17	5MHz	256QAM	23790	25RB#0	18.32	12.77	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.66	18.11	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.74	18.19	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.74	18.19	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#0	22.74	17.19	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#6	22.73	17.18	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#13	22.71	17.16	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.68	17.13	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	23.02	17.47	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#12	23.10	17.55	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.96	17.41	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#0	21.79	16.24	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#6	21.71	16.16	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#13	21.75	16.2	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.71	16.16	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#0	22.02	16.47	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#12	21.82	16.27	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#24	21.87	16.32	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#0	20.65	15.1	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#6	20.57	15.02	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#13	20.69	15.14	34.77	PASS
Band17	5MHz	64QAM	23825	25RB#0	20.61	15.06	34.77	PASS
Band17	5MHz	256QAM	23825	1RB#0	18.54	12.99	34.77	PASS
Band17	5MHz	256QAM	23825	1RB#12	18.48	12.93	34.77	PASS
Band17	5MHz	256QAM	23825	1RB#24	18.43	12.88	34.77	PASS
Band17	5MHz	256QAM	23825	12RB#0	18.30	12.75	34.77	PASS
Band17	5MHz	256QAM	23825	12RB#6	18.41	12.86	34.77	PASS
Band17	5MHz	256QAM	23825	12RB#13	18.38	12.83	34.77	PASS
Band17	5MHz	256QAM	23825	25RB#0	18.30	12.75	34.77	PASS

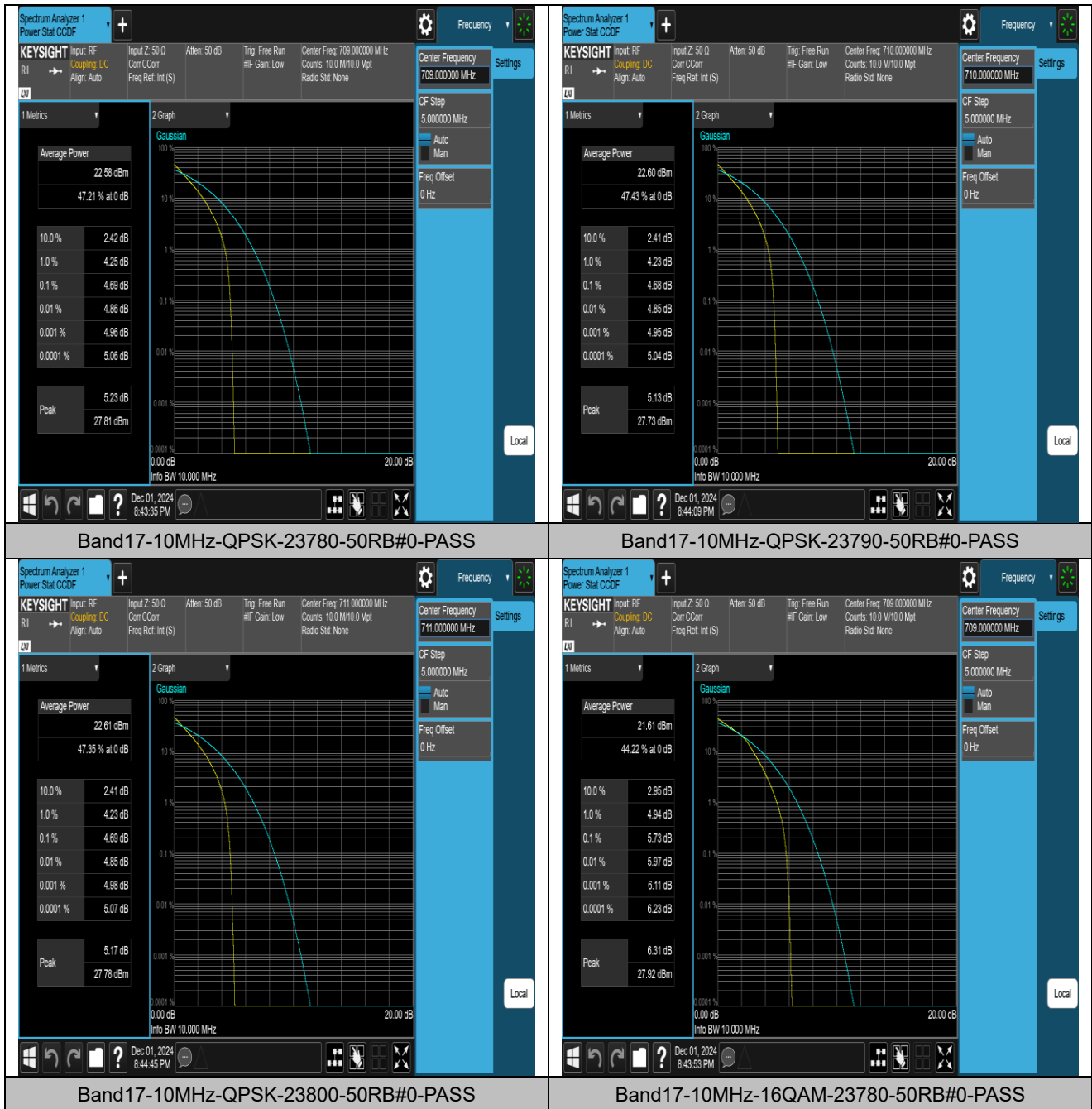
Band17	10MHz	QPSK	23780	1RB#0	23.81	18.26	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.73	18.18	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.95	18.4	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#0	22.79	17.24	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.82	17.27	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#25	22.80	17.25	34.77	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.75	17.2	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	23.18	17.63	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.97	17.42	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	23.05	17.5	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.77	16.22	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#12	21.89	16.34	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.85	16.3	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.80	16.25	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#0	21.81	16.26	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#24	21.93	16.38	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#49	21.87	16.32	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#0	20.70	15.15	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#12	20.75	15.2	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#25	20.70	15.15	34.77	PASS
Band17	10MHz	64QAM	23780	50RB#0	20.65	15.1	34.77	PASS
Band17	10MHz	256QAM	23780	1RB#0	18.44	12.89	34.77	PASS
Band17	10MHz	256QAM	23780	1RB#24	18.51	12.96	34.77	PASS
Band17	10MHz	256QAM	23780	1RB#49	18.19	12.64	34.77	PASS
Band17	10MHz	256QAM	23780	25RB#0	18.36	12.81	34.77	PASS
Band17	10MHz	256QAM	23780	25RB#12	18.53	12.98	34.77	PASS
Band17	10MHz	256QAM	23780	25RB#25	18.37	12.82	34.77	PASS
Band17	10MHz	256QAM	23780	50RB#0	18.38	12.83	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.89	18.34	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.78	18.23	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.47	17.92	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#0	22.78	17.23	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#12	22.76	17.21	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#25	22.81	17.26	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.66	17.11	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.87	17.32	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#24	23.17	17.62	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.99	17.44	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.85	16.3	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.81	16.26	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#25	21.82	16.27	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.79	16.24	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#0	22.11	16.56	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#24	22.04	16.49	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#49	21.79	16.24	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#0	20.72	15.17	34.77	PASS

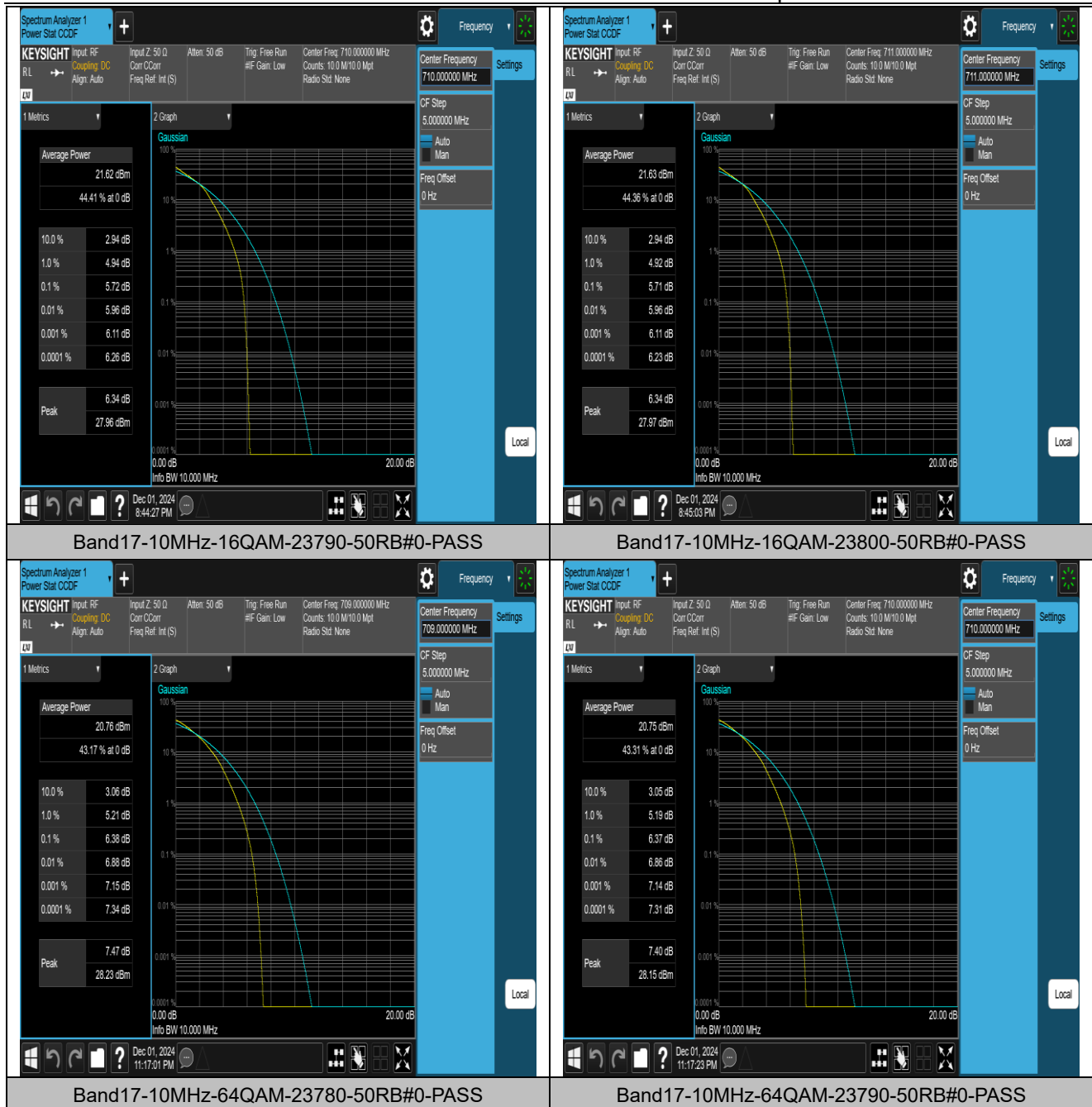
Band17	10MHz	64QAM	23790	25RB#12	20.77	15.22	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#25	20.72	15.17	34.77	PASS
Band17	10MHz	64QAM	23790	50RB#0	20.62	15.07	34.77	PASS
Band17	10MHz	256QAM	23790	1RB#0	18.48	12.93	34.77	PASS
Band17	10MHz	256QAM	23790	1RB#24	18.68	13.13	34.77	PASS
Band17	10MHz	256QAM	23790	1RB#49	18.29	12.74	34.77	PASS
Band17	10MHz	256QAM	23790	25RB#0	18.47	12.92	34.77	PASS
Band17	10MHz	256QAM	23790	25RB#12	18.48	12.93	34.77	PASS
Band17	10MHz	256QAM	23790	25RB#25	18.29	12.74	34.77	PASS
Band17	10MHz	256QAM	23790	50RB#0	18.35	12.8	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.89	18.34	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.52	17.97	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.70	18.15	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#0	22.79	17.24	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#12	22.79	17.24	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#25	22.79	17.24	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.72	17.17	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	23.15	17.6	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	23.14	17.59	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.92	17.37	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.75	16.2	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#12	21.82	16.27	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#25	21.79	16.24	34.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.68	16.13	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#0	21.80	16.25	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#24	21.89	16.34	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#49	21.78	16.23	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#0	20.68	15.13	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#12	20.66	15.11	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#25	20.69	15.14	34.77	PASS
Band17	10MHz	64QAM	23800	50RB#0	20.73	15.18	34.77	PASS
Band17	10MHz	256QAM	23800	1RB#0	18.46	12.91	34.77	PASS
Band17	10MHz	256QAM	23800	1RB#24	18.31	12.76	34.77	PASS
Band17	10MHz	256QAM	23800	1RB#49	18.69	13.14	34.77	PASS
Band17	10MHz	256QAM	23800	25RB#0	18.32	12.77	34.77	PASS
Band17	10MHz	256QAM	23800	25RB#12	18.46	12.91	34.77	PASS
Band17	10MHz	256QAM	23800	25RB#25	18.40	12.85	34.77	PASS
Band17	10MHz	256QAM	23800	50RB#0	18.36	12.81	34.77	PASS

Peak-to-Average Ratio(CCDF)**Test Result**

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band17	10MHz	QPSK	23780	50RB#0	4.69	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	4.68	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	4.69	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	5.73	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	5.72	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	5.71	13	PASS
Band17	10MHz	64QAM	23780	50RB#0	6.38	13	PASS
Band17	10MHz	64QAM	23790	50RB#0	6.37	13	PASS
Band17	10MHz	64QAM	23800	50RB#0	6.37	13	PASS
Band17	10MHz	256QAM	23780	50RB#0	6.66	13	PASS
Band17	10MHz	256QAM	23790	50RB#0	6.68	13	PASS
Band17	10MHz	256QAM	23800	50RB#0	6.70	13	PASS

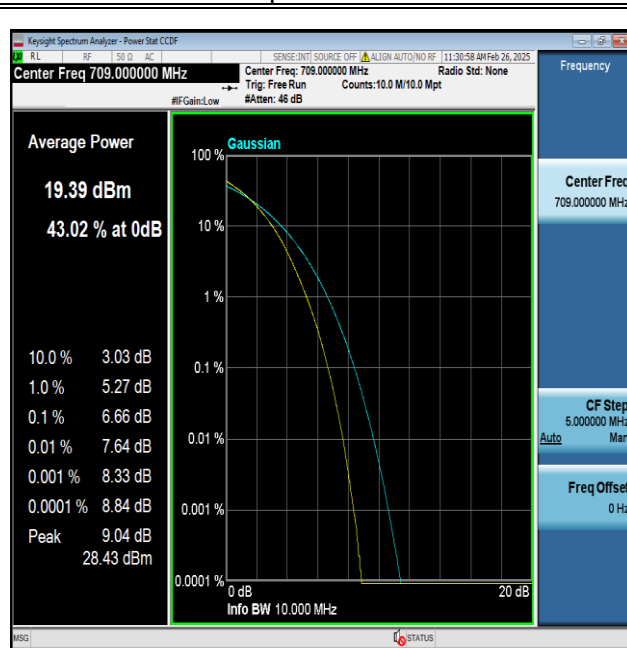
Test Graphs



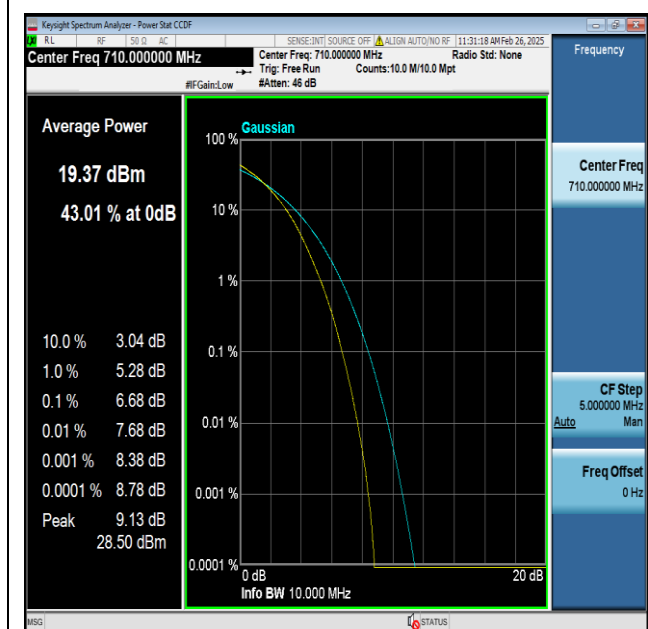




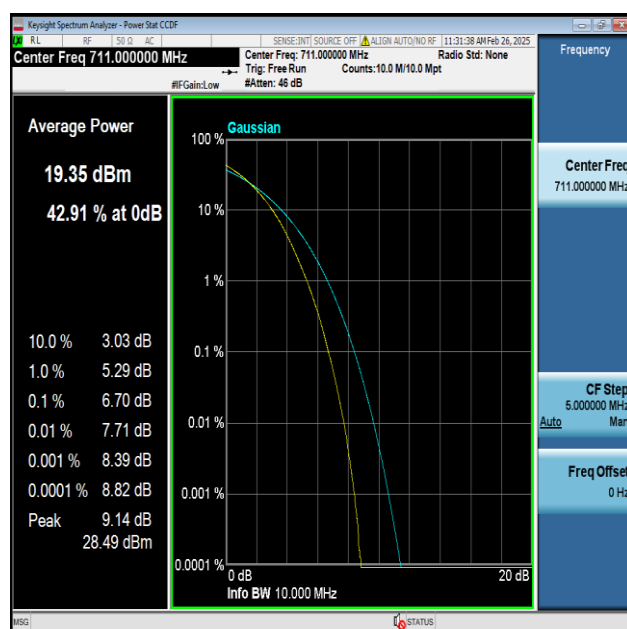
Band17-10MHz-64QAM-23800-50RB#0-PASS



Band17-10MHz-256QAM-23780-50RB#0-PASS



Band17-10MHz-256QAM-23790-50RB#0-PASS



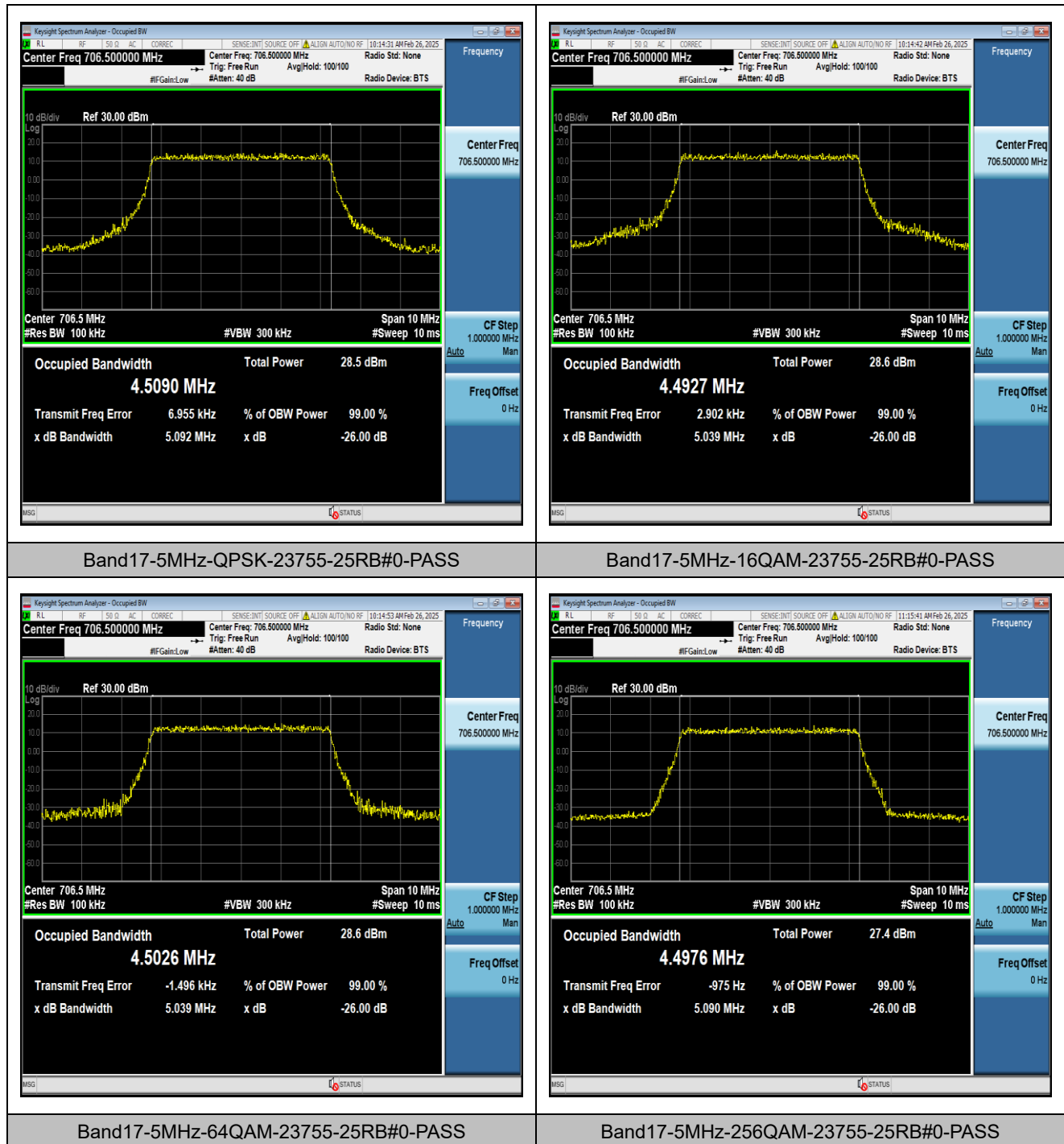
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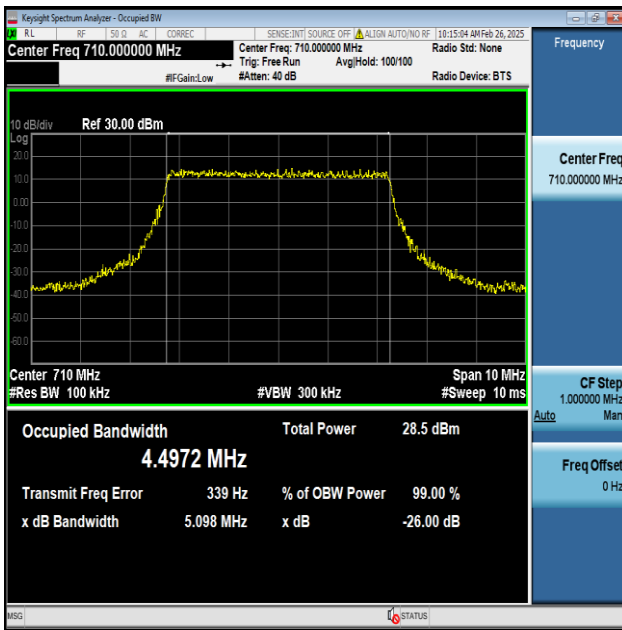
26dB Bandwidth and Occupied Bandwidth

Test Result

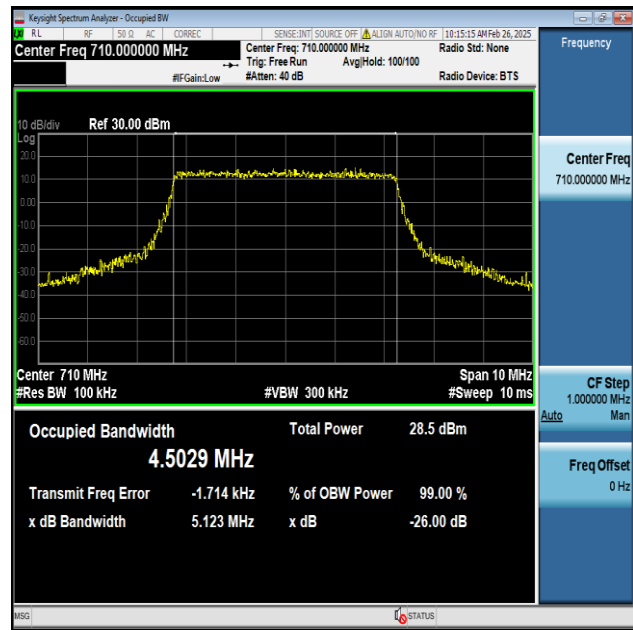
Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5090	5.092	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.4927	5.039	PASS
Band17	5MHz	64QAM	23755	25RB#0	4.5026	5.039	PASS
Band17	5MHz	256QAM	23755	25RB#0	4.4976	5.090	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.4972	5.098	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5029	5.123	PASS
Band17	5MHz	64QAM	23790	25RB#0	4.5070	5.118	PASS
Band17	5MHz	256QAM	23790	25RB#0	4.5030	5.055	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5008	5.081	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.4980	5.066	PASS
Band17	5MHz	64QAM	23825	25RB#0	4.5021	5.102	PASS
Band17	5MHz	256QAM	23825	25RB#0	4.5134	5.121	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9702	9.954	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9811	9.912	PASS
Band17	10MHz	64QAM	23780	50RB#0	8.9765	10.08	PASS
Band17	10MHz	256QAM	23780	50RB#0	8.9662	10.03	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9911	10.01	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9790	9.966	PASS
Band17	10MHz	64QAM	23790	50RB#0	9.0006	10.05	PASS
Band17	10MHz	256QAM	23790	50RB#0	8.9904	9.985	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9888	10.13	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9850	10.03	PASS
Band17	10MHz	64QAM	23800	50RB#0	9.0111	10.02	PASS
Band17	10MHz	256QAM	23800	50RB#0	8.9936	10.05	PASS

Test Graphs

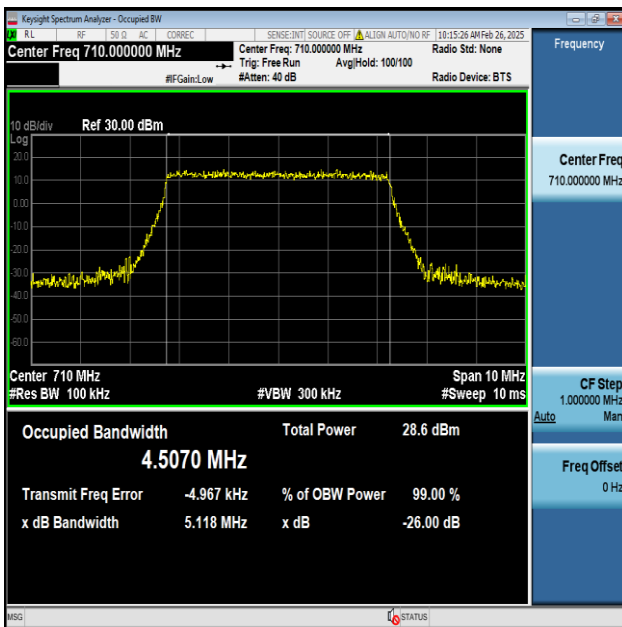




Band17-5MHz-QPSK-23790-25RB#0-PASS



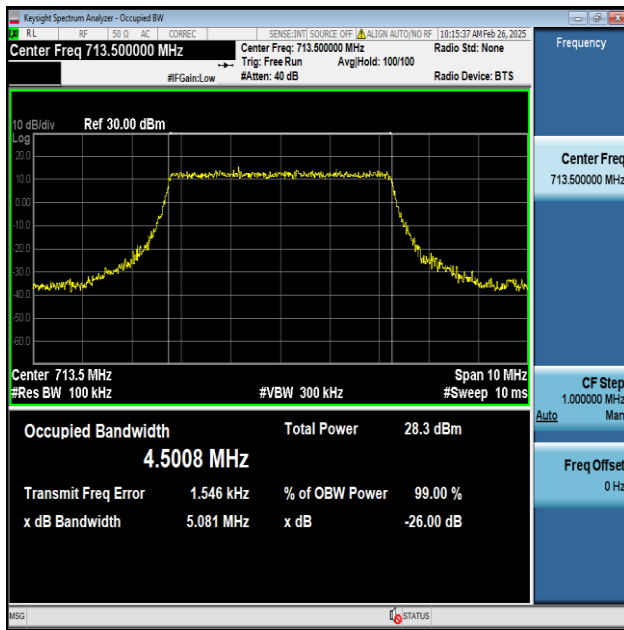
Band17-5MHz-16QAM-23790-25RB#0-PASS



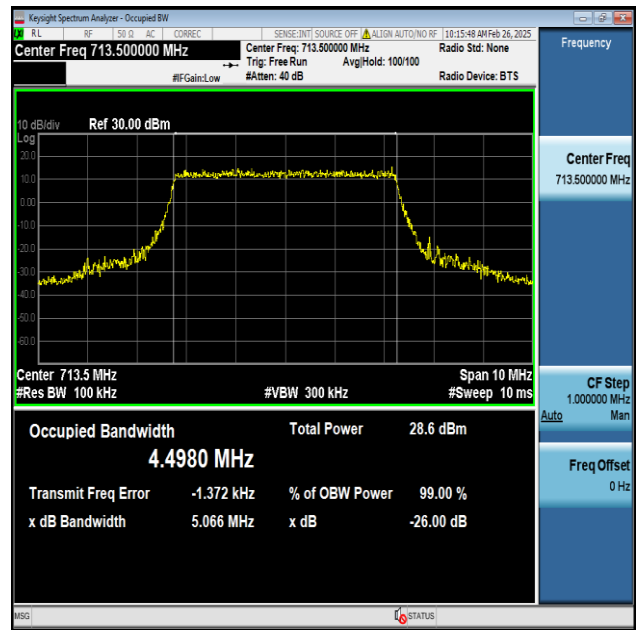
Band17-5MHz-64QAM-23790-25RB#0-PASS



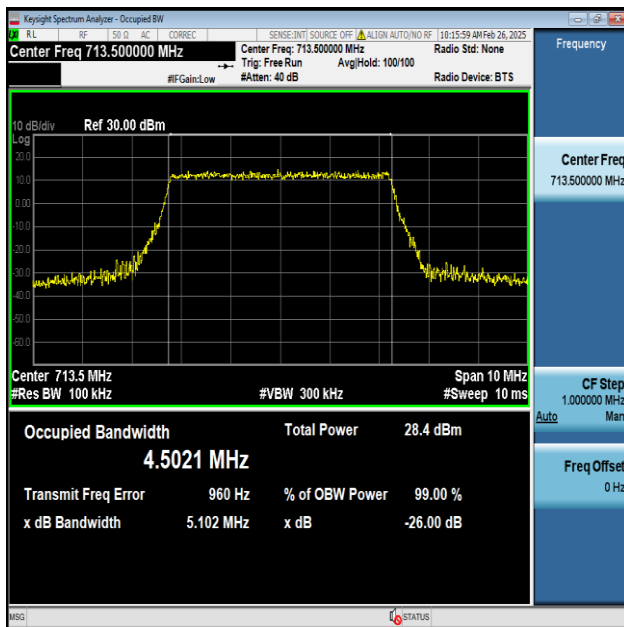
Band17-5MHz-256QAM-23790-25RB#0-PASS



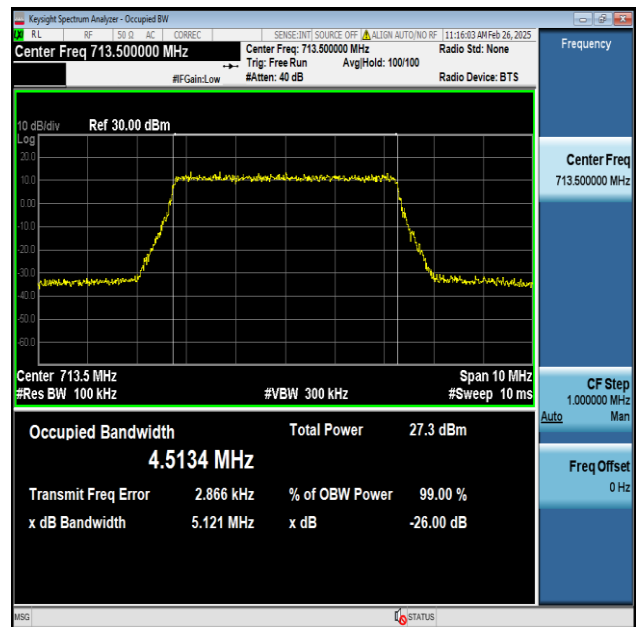
Band17-5MHz-QPSK-23825-25RB#0-PASS



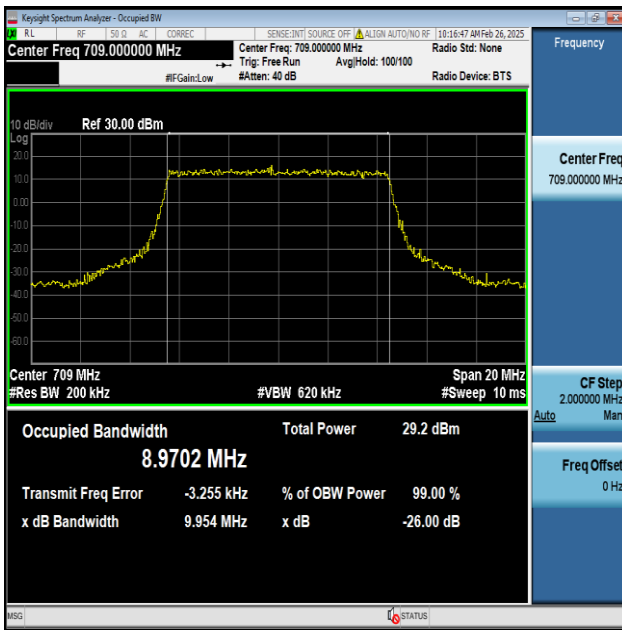
Band17-5MHz-16QAM-23825-25RB#0-PASS



Band17-5MHz-64QAM-23825-25RB#0-PASS



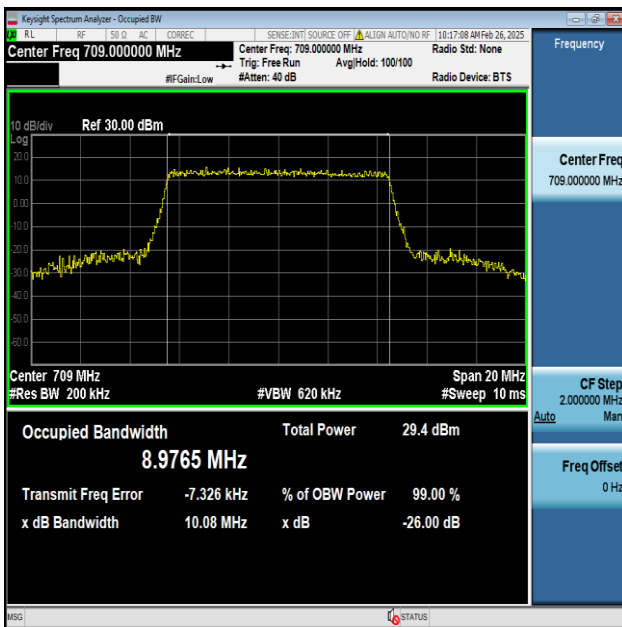
Band17-5MHz-256QAM-23825-25RB#0-PASS



Band17-10MHz-QPSK-23780-50RB#0-PASS



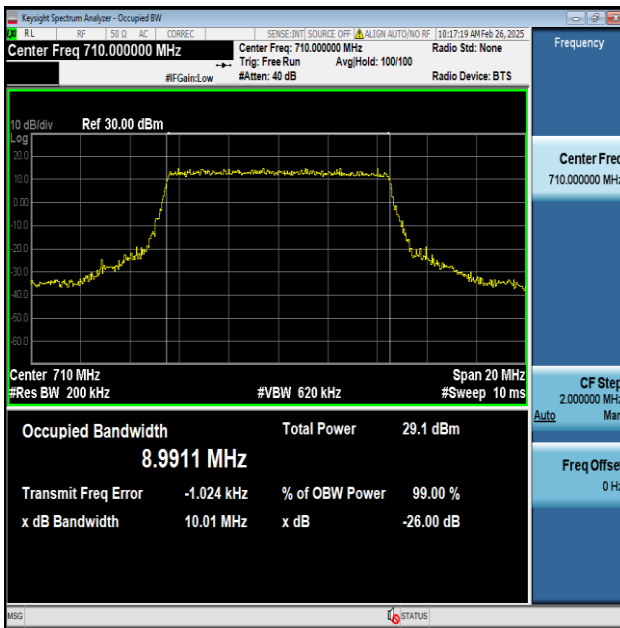
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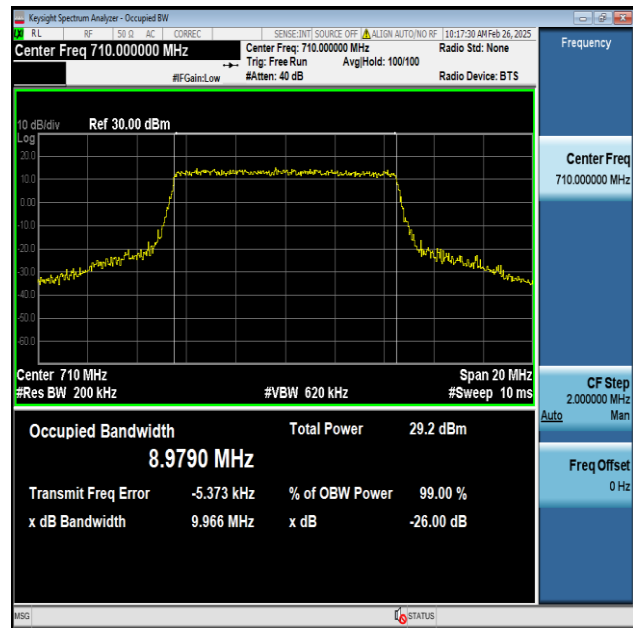
Band17-10MHz-64QAM-23780-50RB#0-PASS



Band17-10MHz-256QAM-23780-50RB#0-PASS



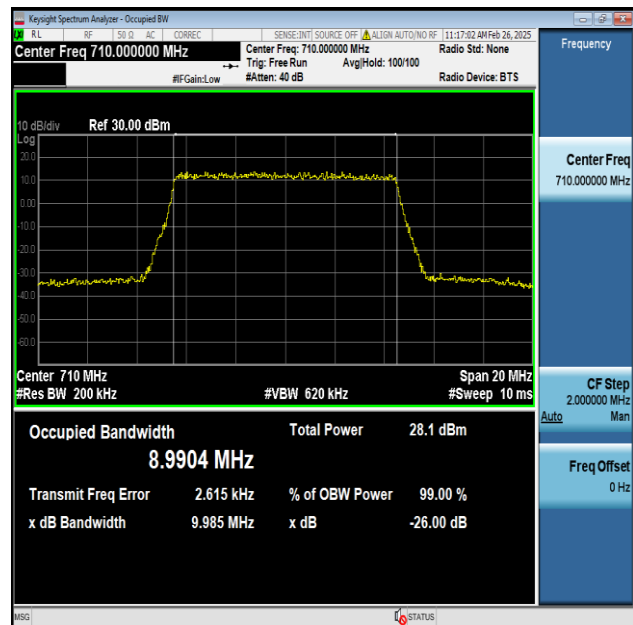
Band17-10MHz-QPSK-23790-50RB#0-PASS



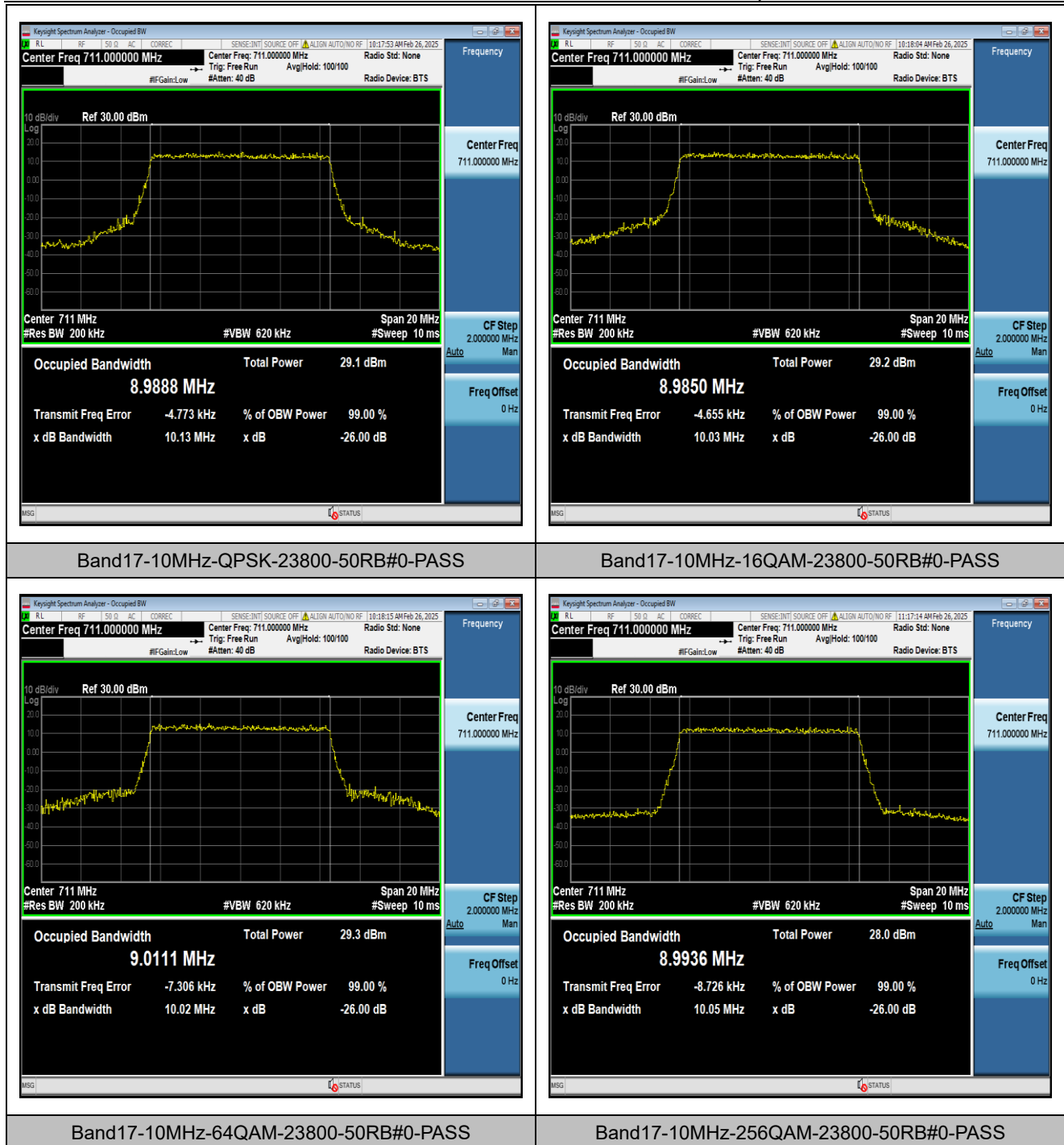
Band17-10MHz-16QAM-23790-50RB#0-PASS



Band17-10MHz-64QAM-23790-50RB#0-PASS



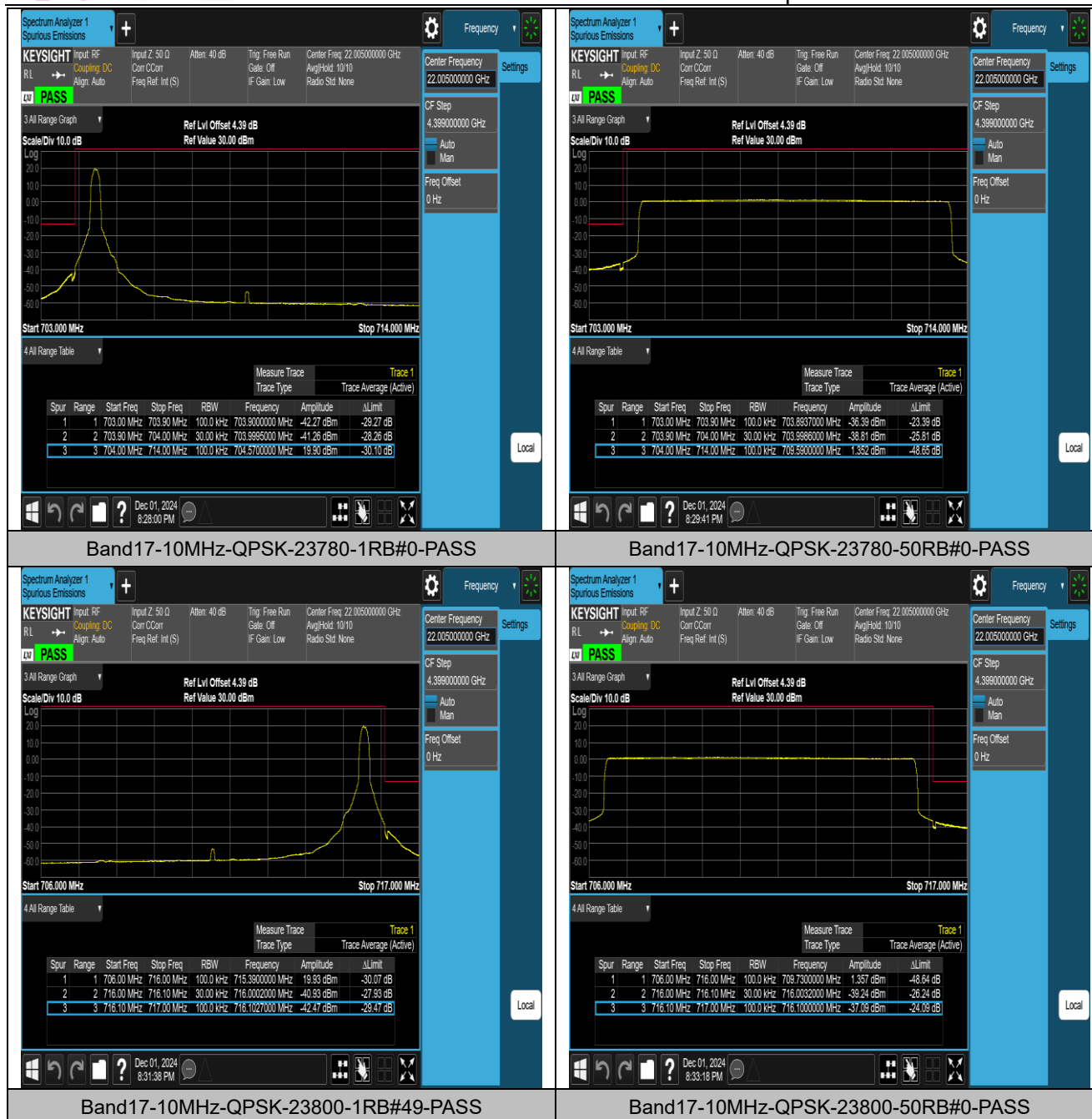
Band17-10MHz-256QAM-23790-50RB#0-PASS



Band Edge

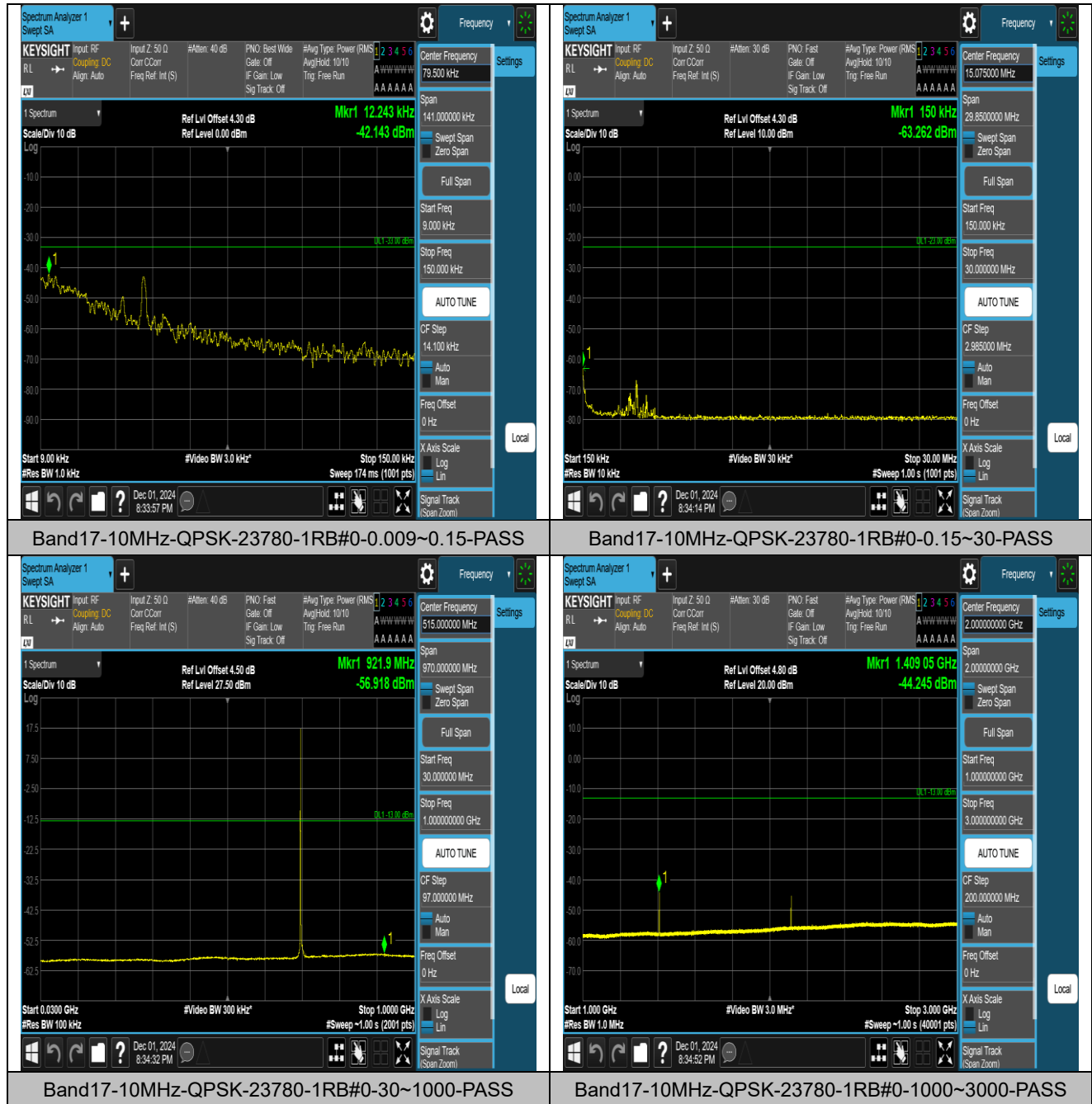
Test Graphs

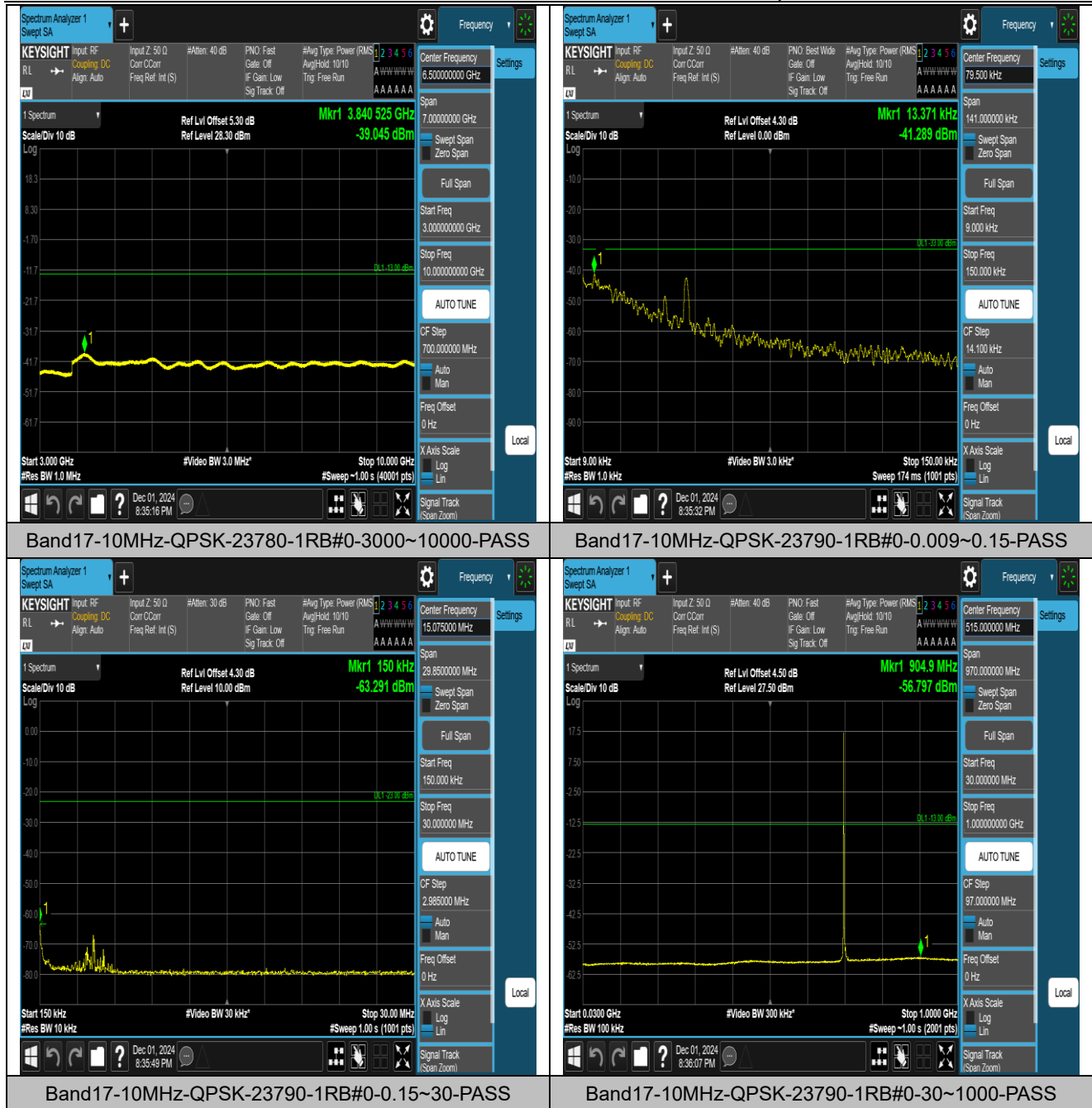


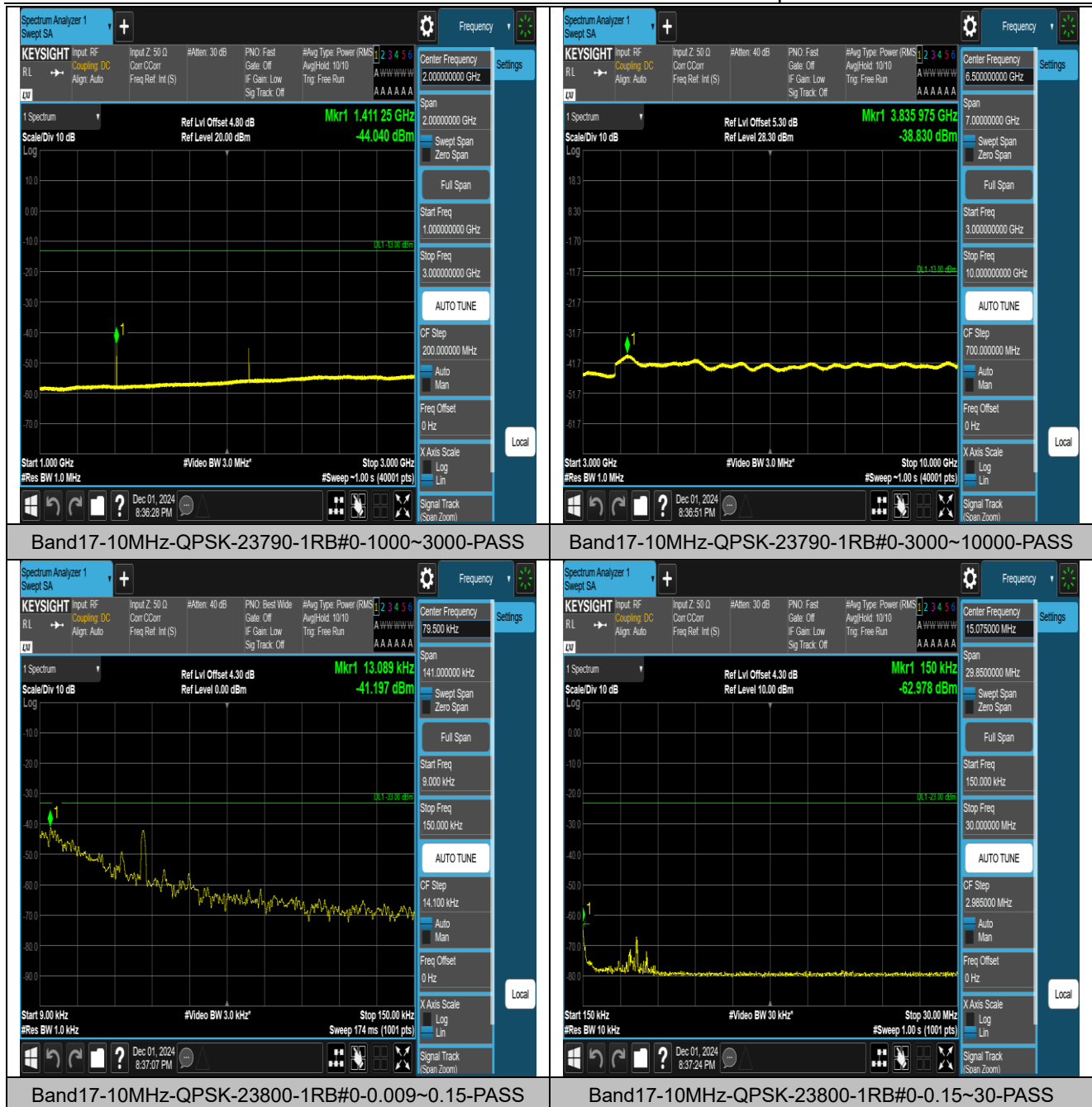


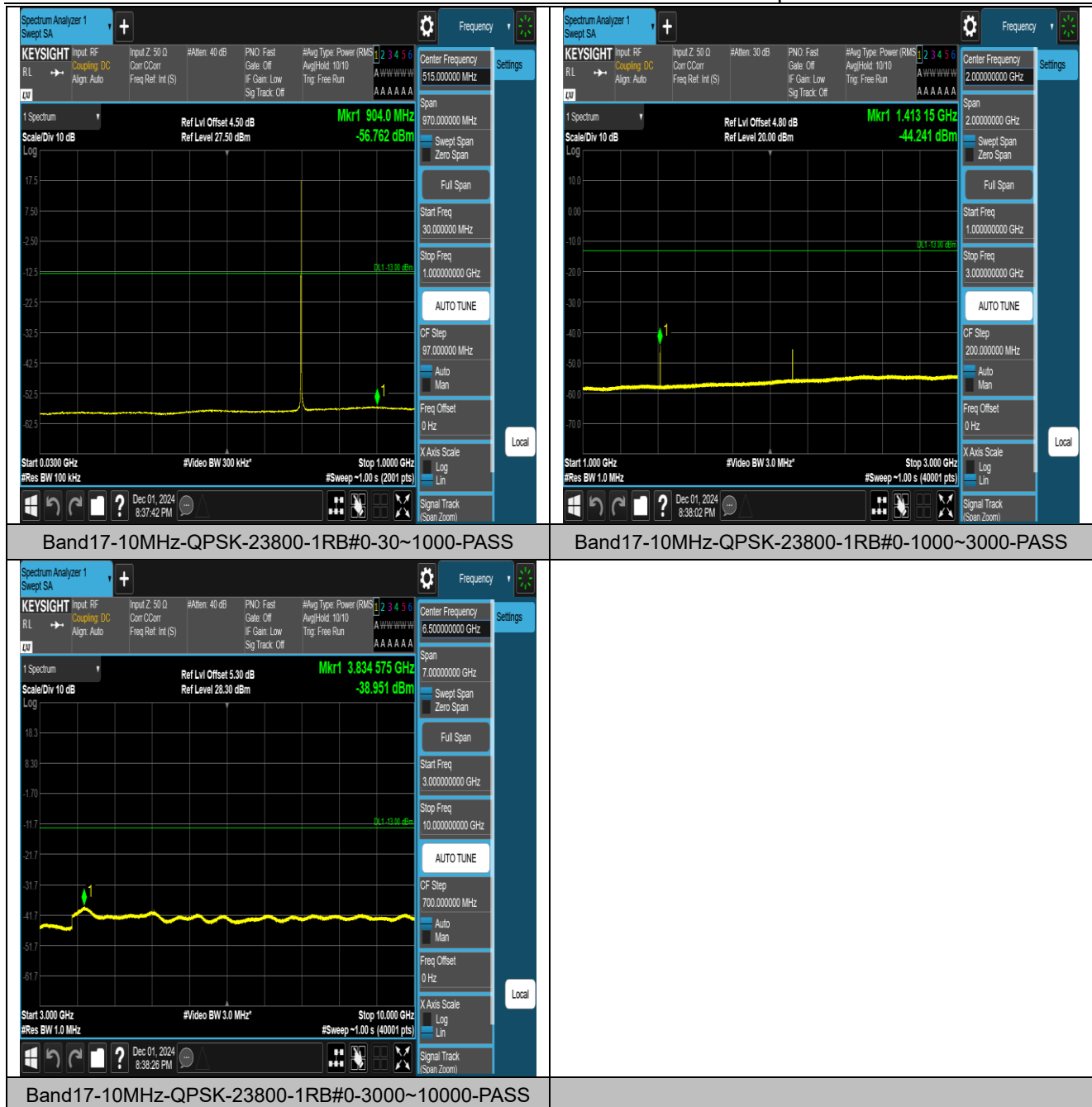
Conducted Spurious Emission

Test Graphs









Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	0.30	0.000423	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	2.90	0.004085	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	1.00	0.001408	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	-0.20	-0.000282	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	1.50	0.002113	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	-0.60	-0.000845	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	-0.40	-0.000563	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-0.80	-0.001127	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-0.20	-0.000282	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	-1.10	-0.001549	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	-1.20	-0.001690	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	-0.90	-0.001268	PASS

~The End~