

Appendix-C 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	23.44	19.79	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.47	19.82	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.59	19.94	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.58	18.93	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.58	19.93	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.55	19.9	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.67	20.02	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.57	18.92	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.67	20.02	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.53	19.88	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.74	20.09	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.53	18.88	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.58	18.93	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.68	19.03	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.61	18.96	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.52	17.87	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.45	18.8	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.49	18.84	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.41	18.76	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.57	17.92	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.45	18.8	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.4	18.75	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.53	18.88	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.52	17.87	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#0	21.48	17.83	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#12	21.48	17.83	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#24	21.27	17.62	34.77	PASS
Band17	5MHz	64QAM	23755	25RB#0	20.35	16.7	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#0	21.78	18.13	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#12	21.08	17.43	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#24	21.37	17.72	34.77	PASS
Band17	5MHz	64QAM	23790	25RB#0	20.35	16.7	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#0	21.22	17.57	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#12	21.22	17.57	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#24	21.57	17.92	34.77	PASS
Band17	5MHz	64QAM	23825	25RB#0	20.35	16.7	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.43	19.78	34.77	PASS

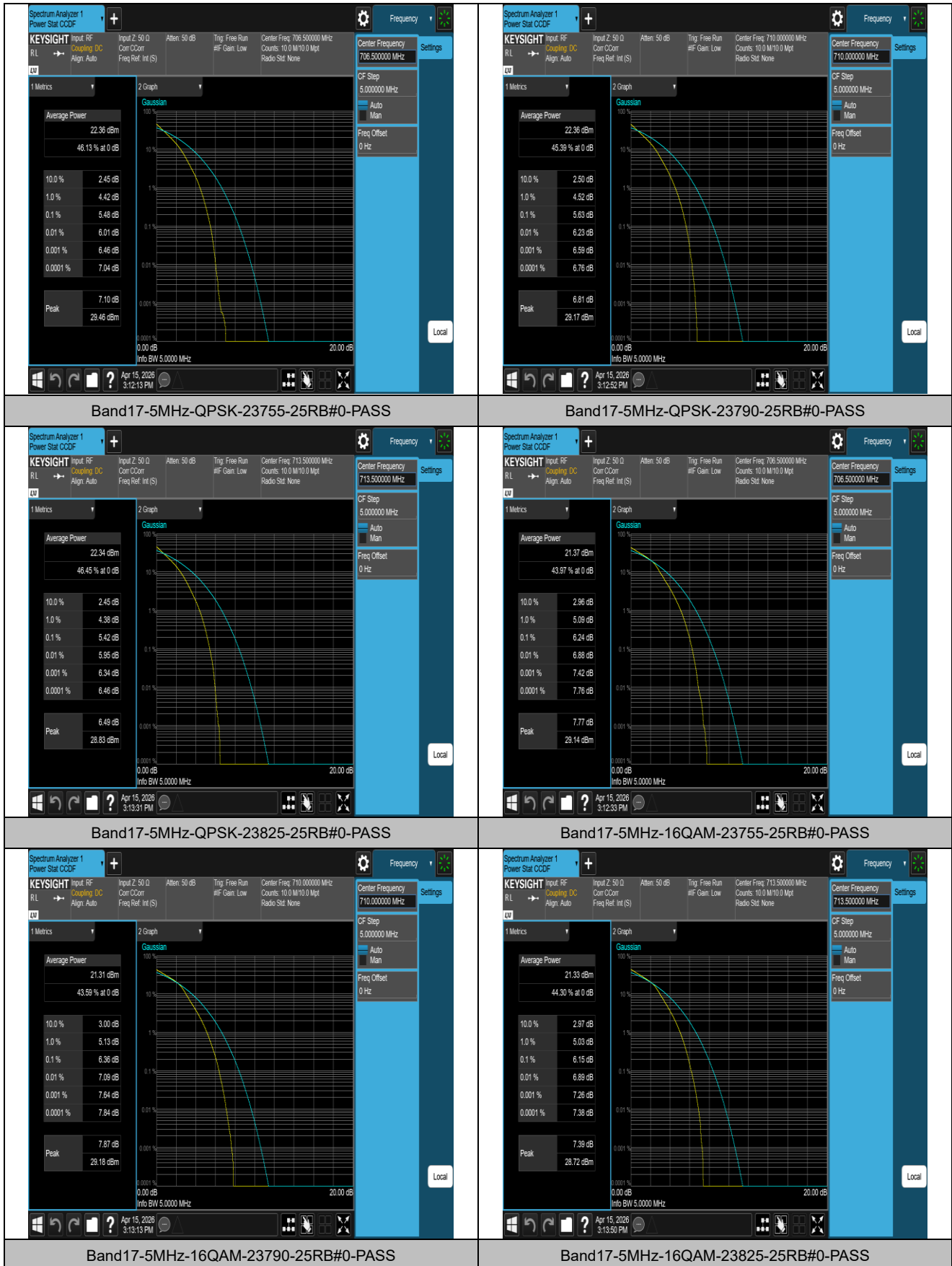
Band17	10MHz	QPSK	23780	1RB#24	23.55	19.9	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.63	19.98	34.77	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.56	18.91	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.51	19.86	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.64	19.99	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.62	19.97	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.6	18.95	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.53	19.88	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.69	20.04	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.6	19.95	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.57	18.92	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.3	18.65	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.49	18.84	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.22	18.57	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.53	17.88	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.57	18.92	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#24	22.45	18.8	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.54	18.89	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.55	17.9	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.43	18.78	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	22.59	18.94	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.38	18.73	34.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.58	17.93	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#0	21.13	17.48	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#24	21.31	17.66	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#49	21.05	17.4	34.77	PASS
Band17	10MHz	64QAM	23780	50RB#0	20.29	16.64	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#0	21.72	18.07	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#24	21.07	17.42	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#49	21.3	17.65	34.77	PASS
Band17	10MHz	64QAM	23790	50RB#0	20.32	16.67	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#0	21.42	17.77	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#24	21.24	17.59	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#49	21.16	17.51	34.77	PASS
Band17	10MHz	64QAM	23800	50RB#0	20.36	16.71	34.77	PASS

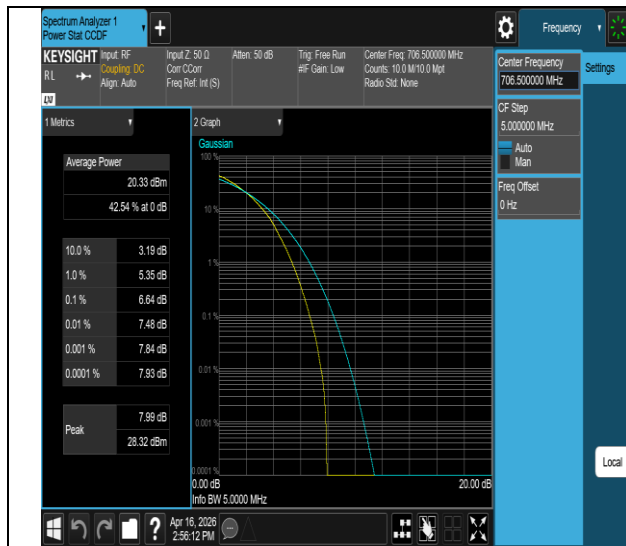
Peak-to-Average Ratio(CCDF)

Test Result

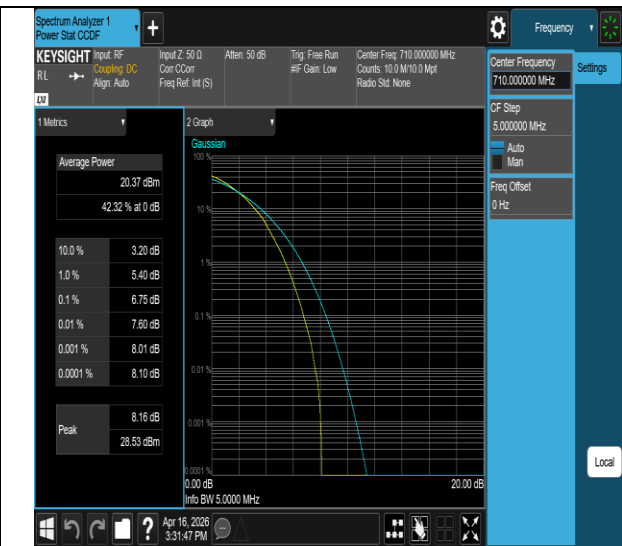
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	5.48	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.63	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.42	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.24	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.36	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.15	13	PASS
Band17	5MHz	64QAM	23755	25RB#0	6.64	13	PASS
Band17	5MHz	64QAM	23790	25RB#0	6.75	13	PASS
Band17	5MHz	64QAM	23825	25RB#0	6.62	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.49	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.55	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.54	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.31	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.34	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.35	13	PASS
Band17	10MHz	64QAM	23780	50RB#0	6.68	13	PASS
Band17	10MHz	64QAM	23790	50RB#0	6.71	13	PASS
Band17	10MHz	64QAM	23800	50RB#0	6.73	13	PASS

Test Graphs

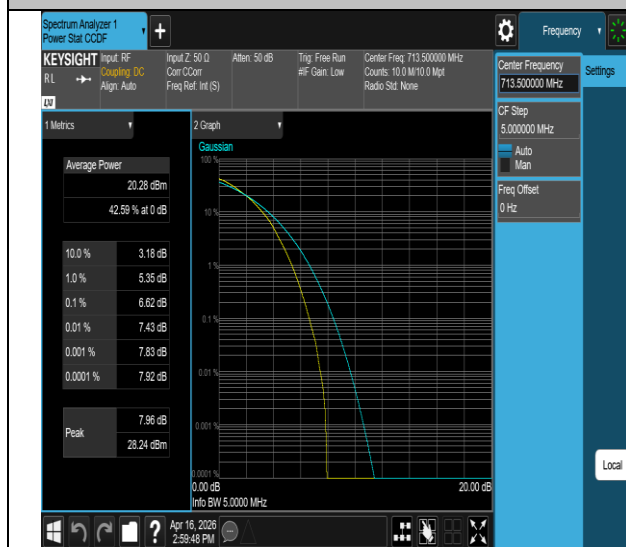




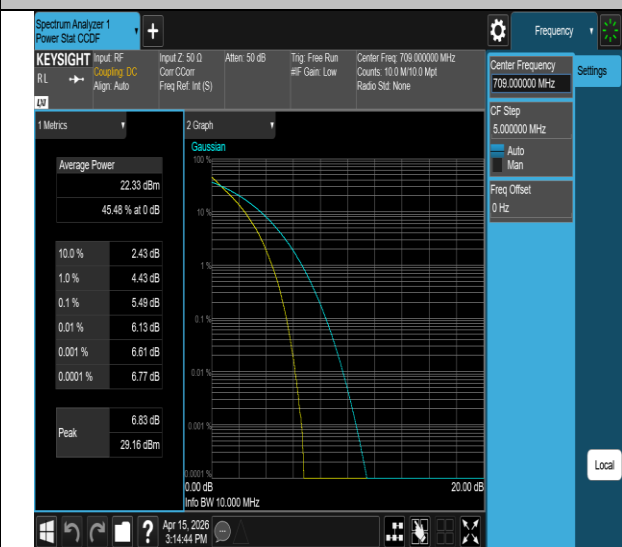
Band17-5MHz-64QAM-23755-25RB#0-PASS



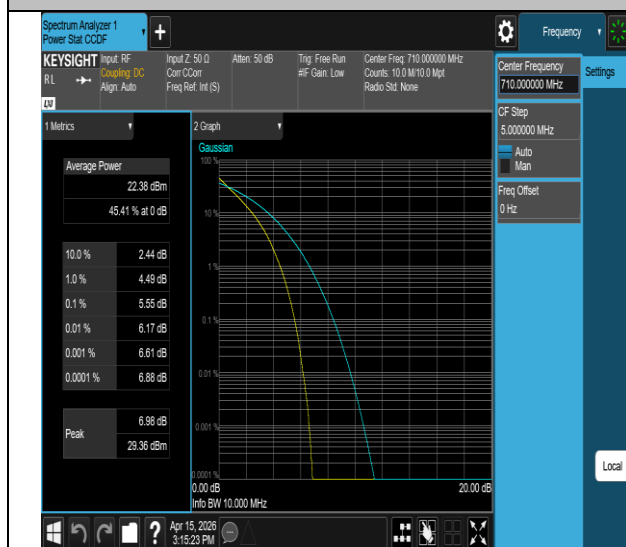
Band17-5MHz-64QAM-23790-25RB#0-PASS



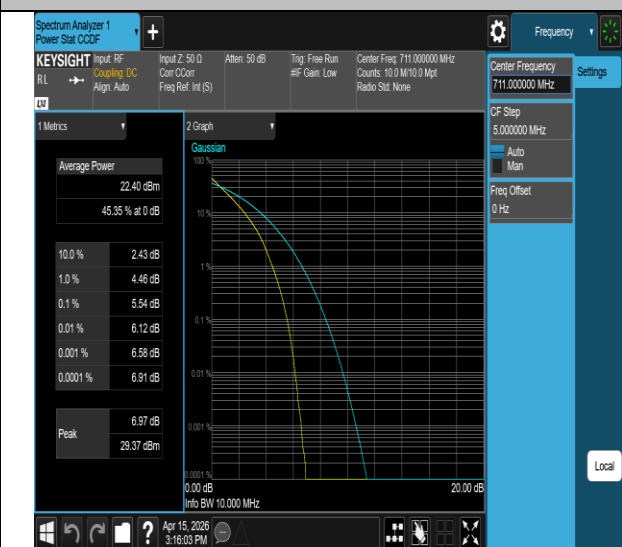
Band17-5MHz-64QAM-23825-25RB#0-PASS



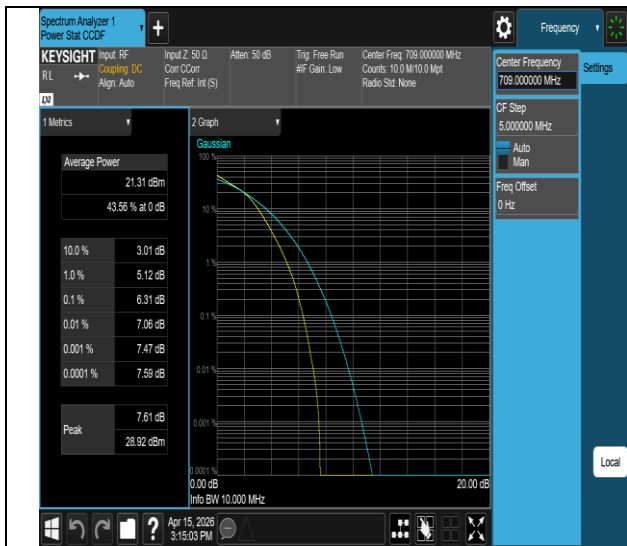
Band17-10MHz-QPSK-23780-50RB#0-PASS



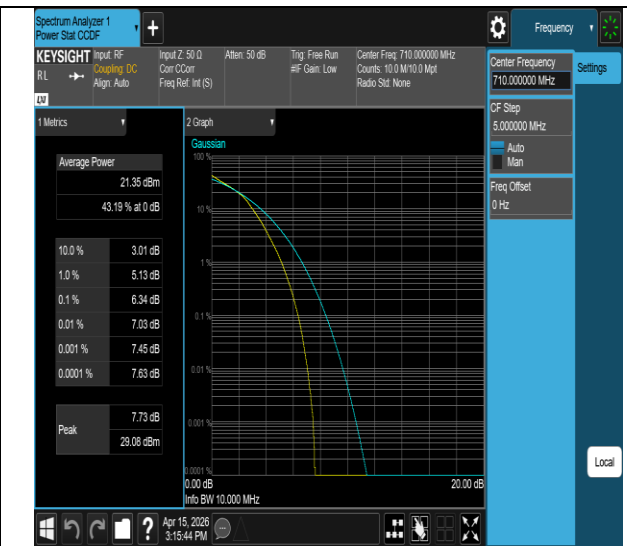
Band17-10MHz-QPSK-23790-50RB#0-PASS



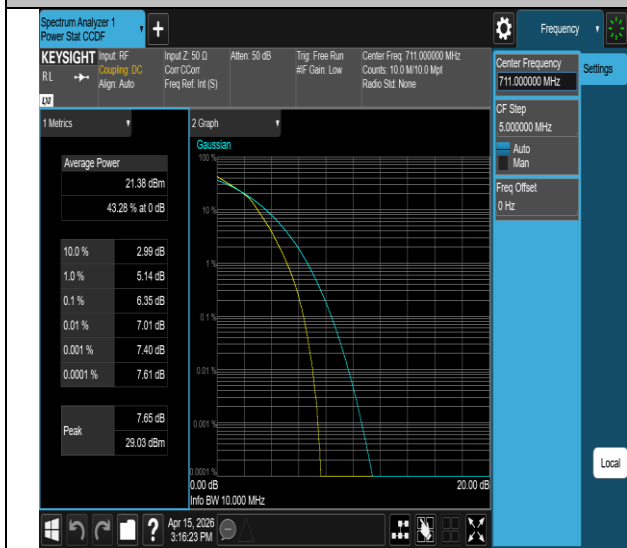
Band17-10MHz-QPSK-23800-50RB#0-PASS



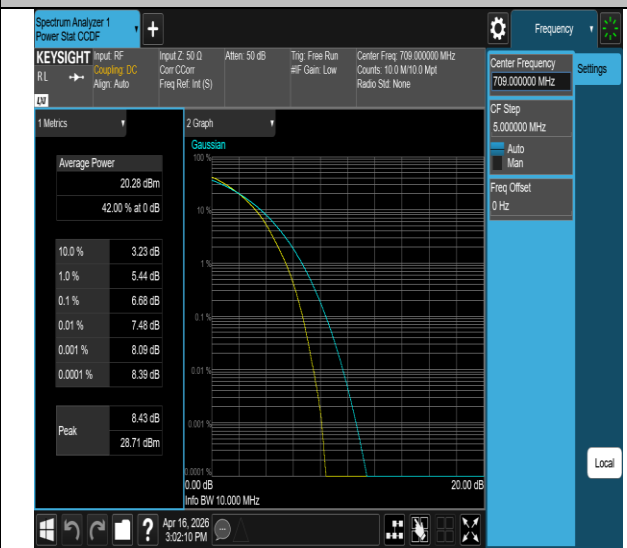
Band17-10MHz-16QAM-23780-50RB#0-PASS



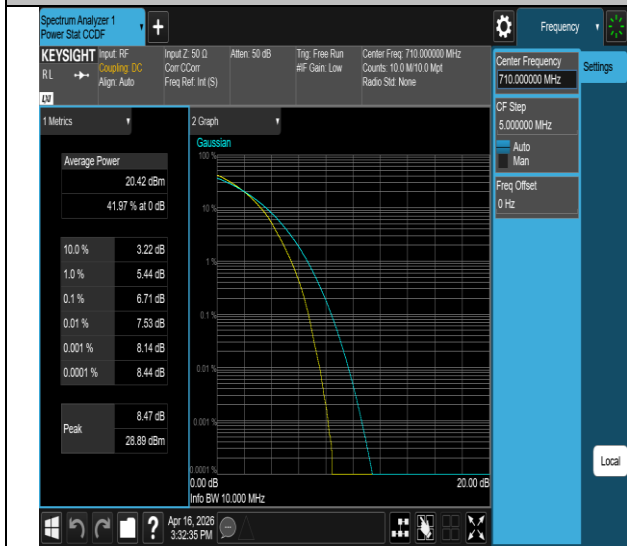
Band17-10MHz-16QAM-23790-50RB#0-PASS



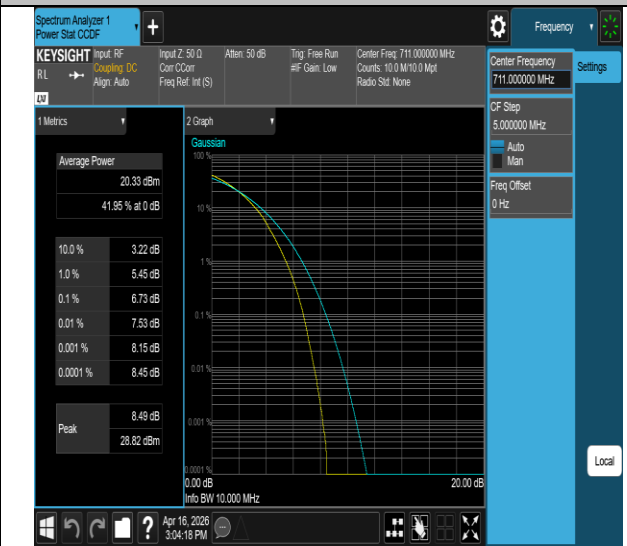
Band17-10MHz-16QAM-23800-50RB#0-PASS



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



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



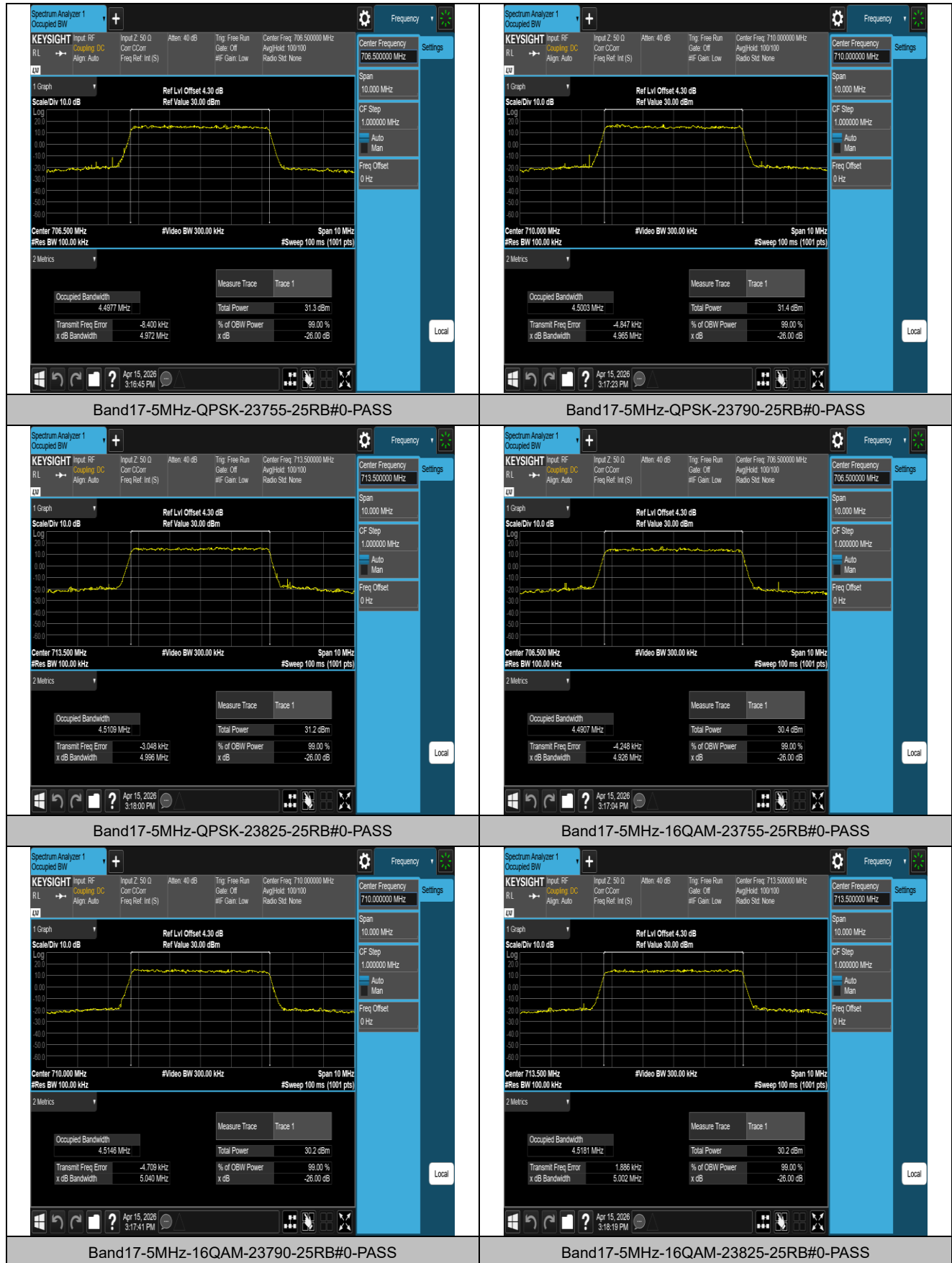
Band17-10MHz-64QAM-23800-50RB#0-PASS

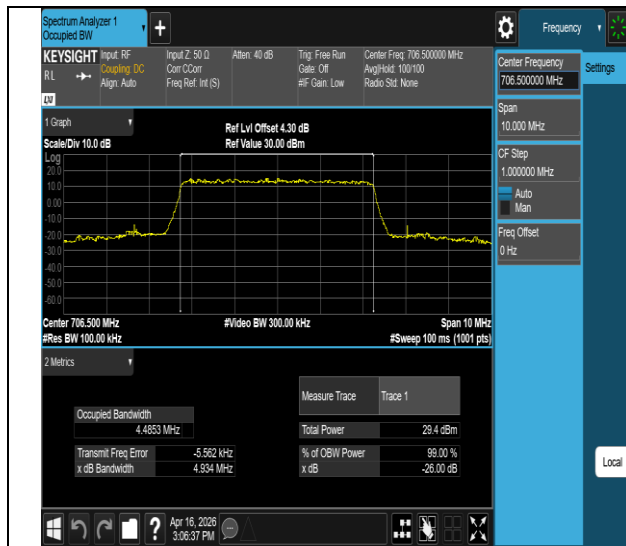
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.4977	4.972	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5003	4.965	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5109	4.996	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.4907	4.926	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5146	5.040	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5181	5.002	PASS
Band17	5MHz	64QAM	23755	25RB#0	4.4853	4.934	PASS
Band17	5MHz	64QAM	23790	25RB#0	4.4959	5.256	PASS
Band17	5MHz	64QAM	23825	25RB#0	4.4877	4.943	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9868	9.848	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9999	9.824	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9967	9.857	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9844	9.743	PASS
Band17	10MHz	16QAM	23790	50RB#0	9.0037	9.841	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9989	9.798	PASS
Band17	10MHz	64QAM	23780	50RB#0	8.9875	9.850	PASS
Band17	10MHz	64QAM	23790	50RB#0	9.0073	9.883	PASS
Band17	10MHz	64QAM	23800	50RB#0	9.0006	9.842	PASS

Test Graphs

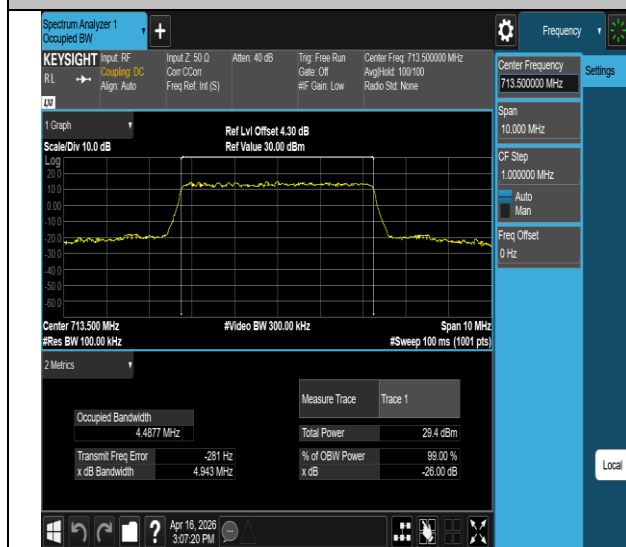




Band17-5MHz-64QAM-23755-25RB#0-PASS



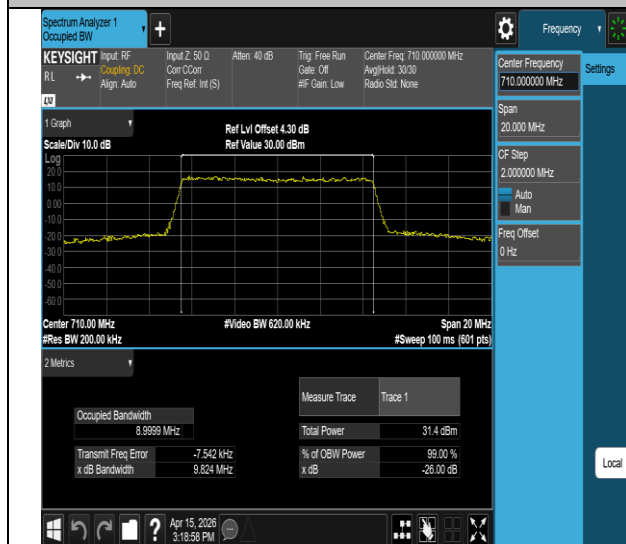
Band17-5MHz-64QAM-23790-25RB#0-PASS



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



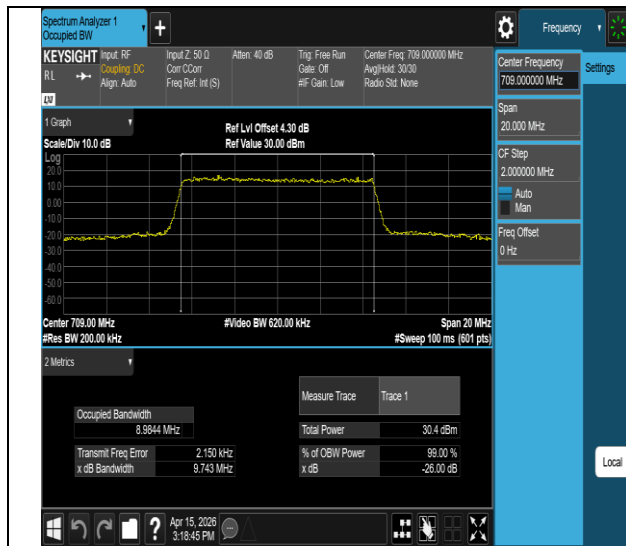
Band17-10MHz-QPSK-23780-50RB#0-PASS



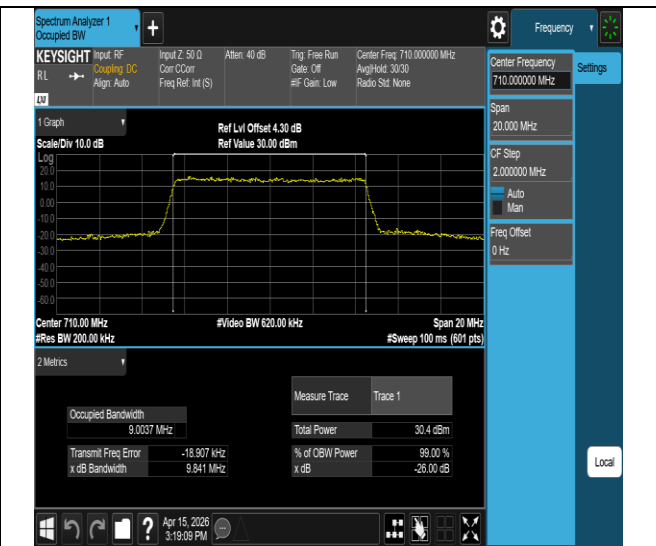
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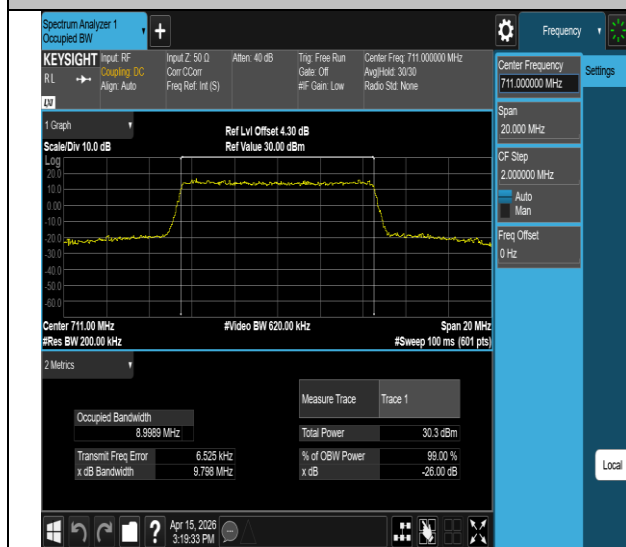
Band17-10MHz-QPSK-23800-50RB#0-PASS



Band17-10MHz-16QAM-23780-50RB#0-PASS



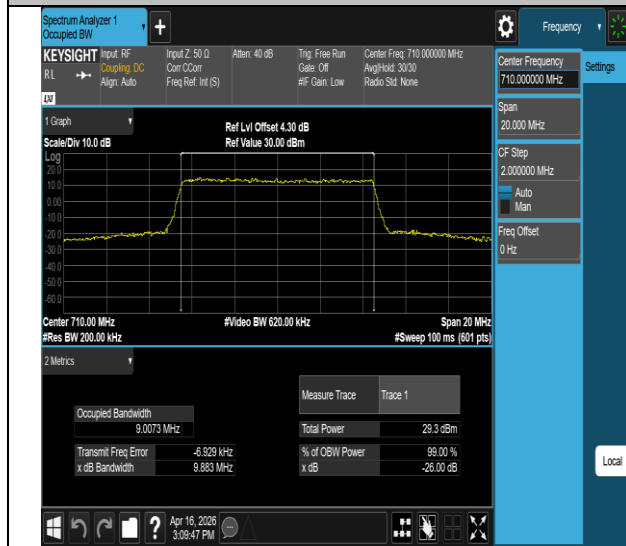
Band17-10MHz-16QAM-23790-50RB#0-PASS



Band17-10MHz-16QAM-23800-50RB#0-PASS



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



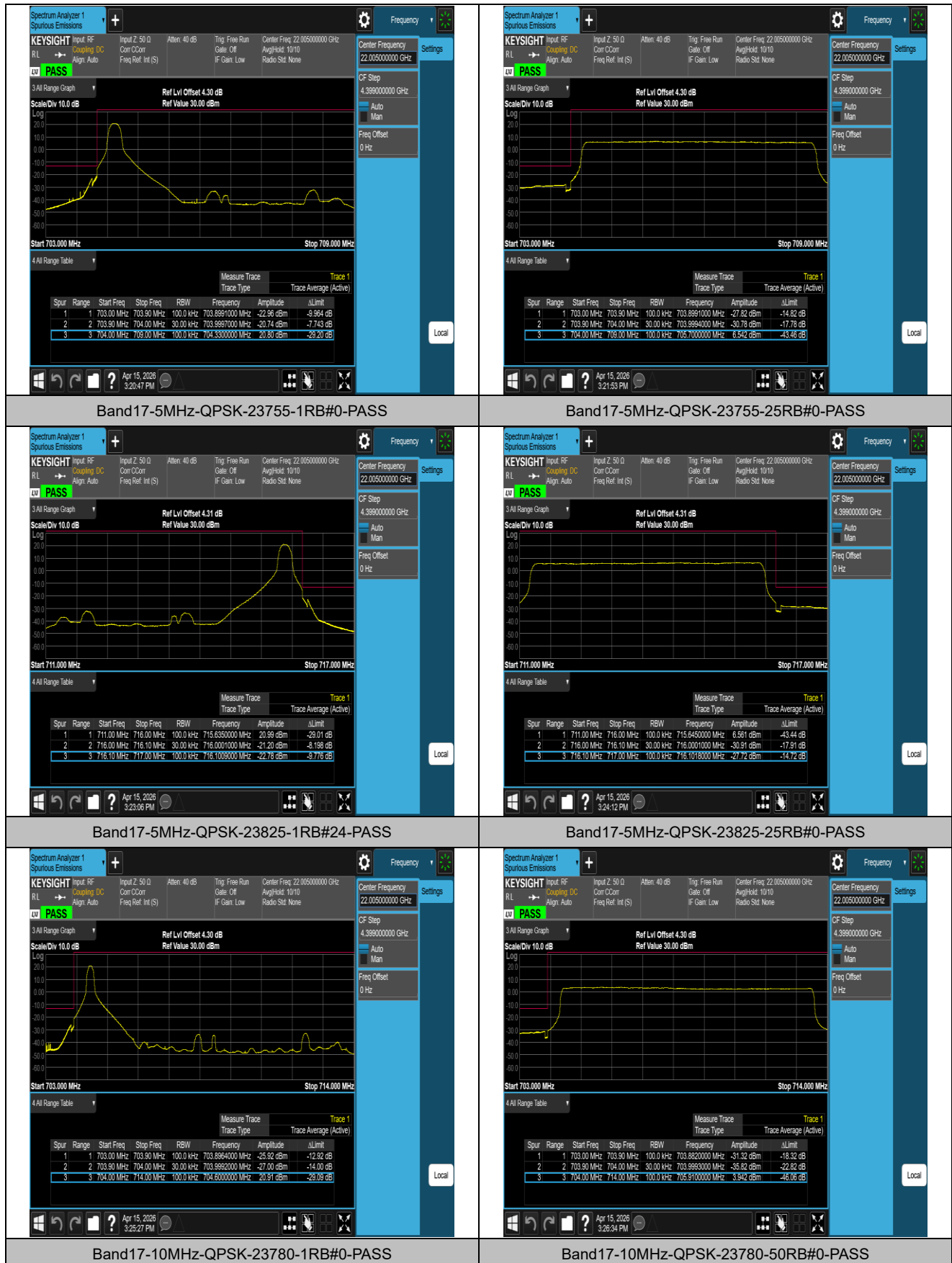
Band17-10MHz-64QAM-23790-50RB#0-PASS

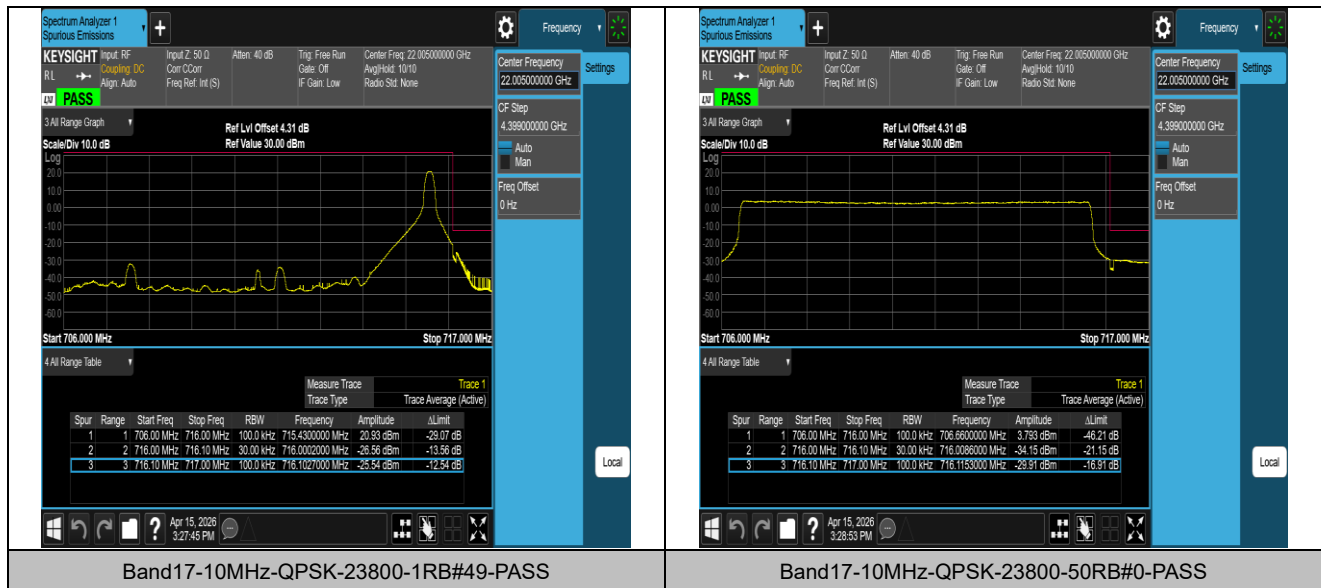


Band17-10MHz-64QAM-23800-50RB#0-PASS

Band Edge

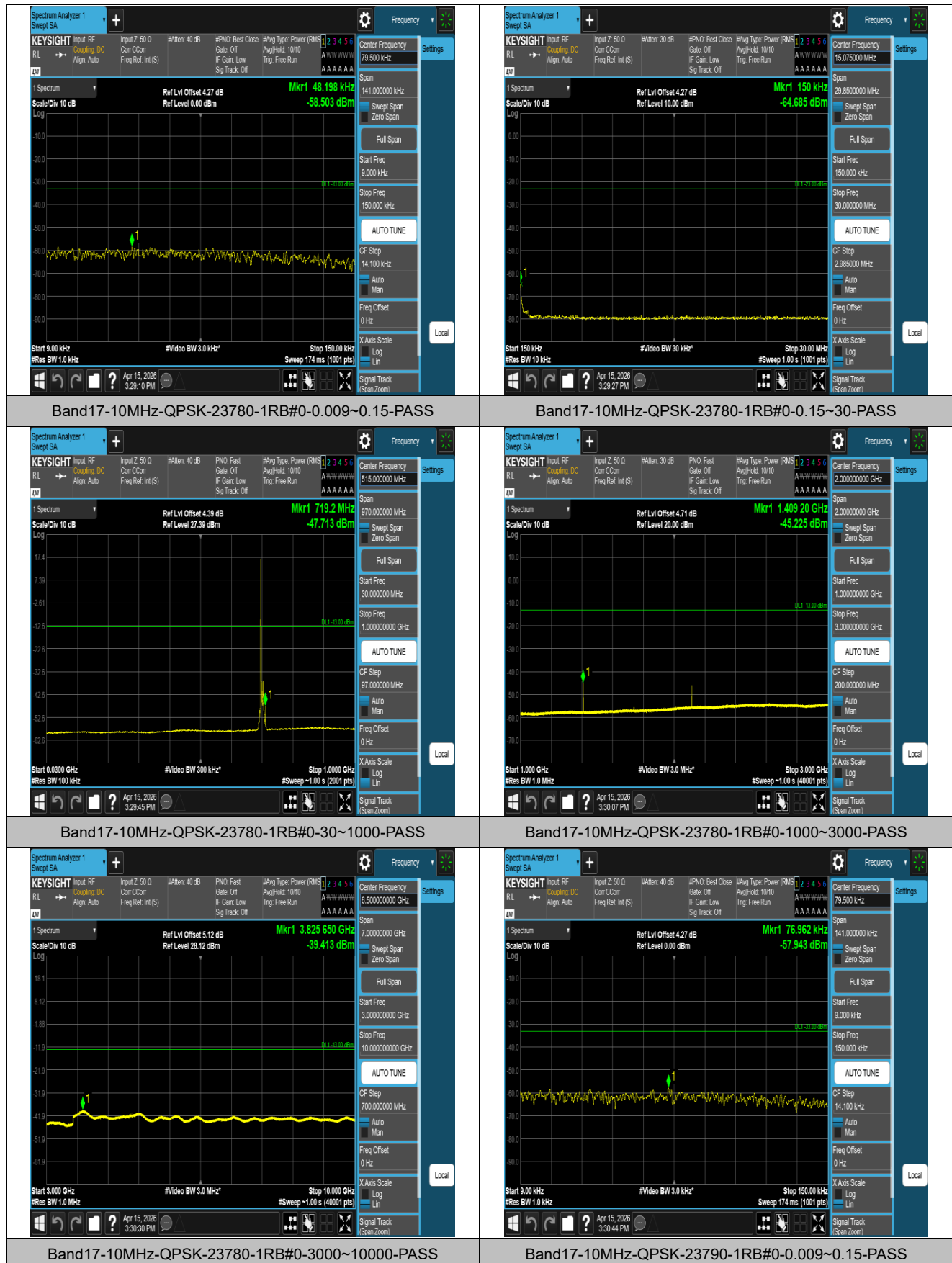
Test Graphs

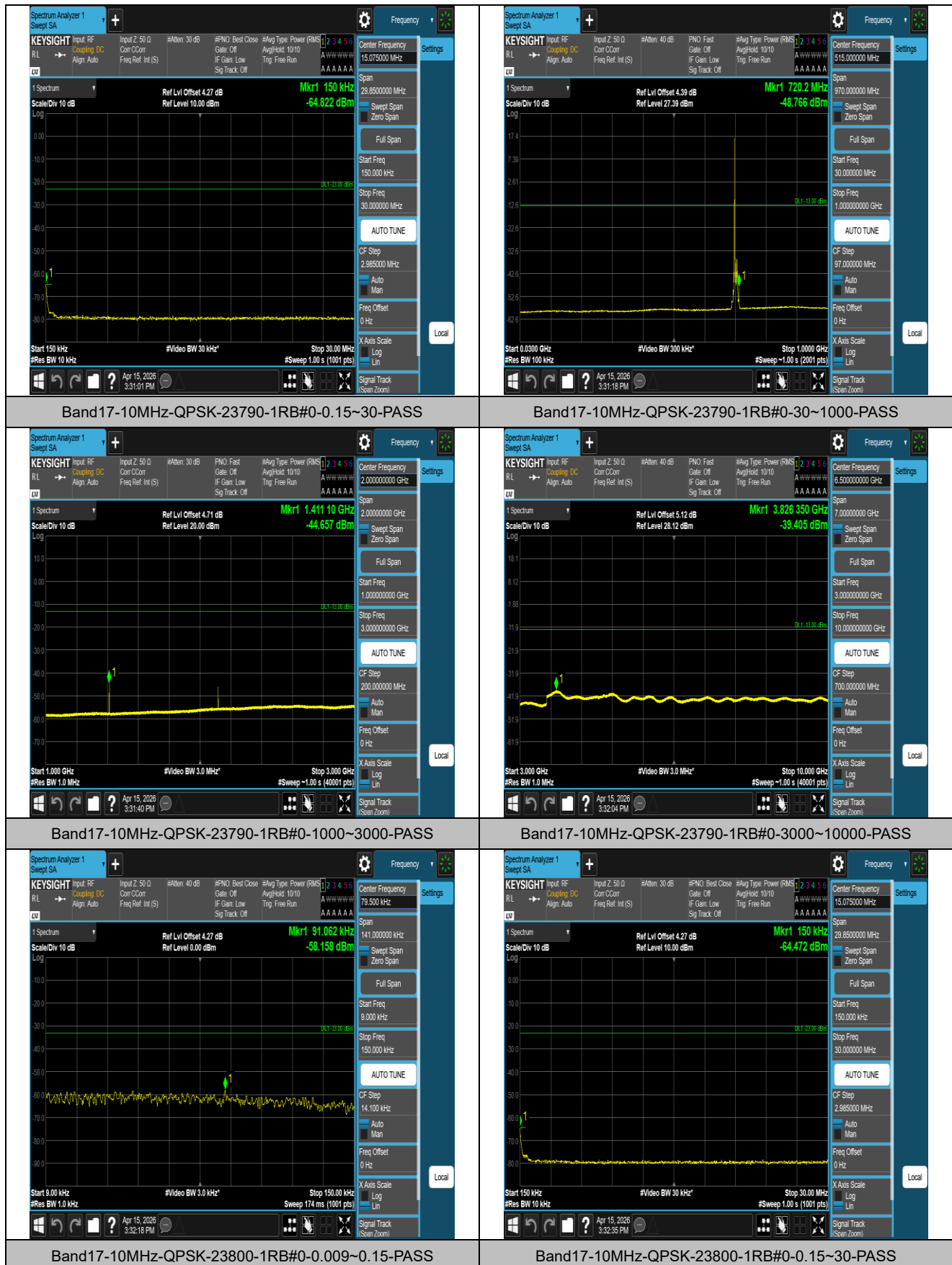


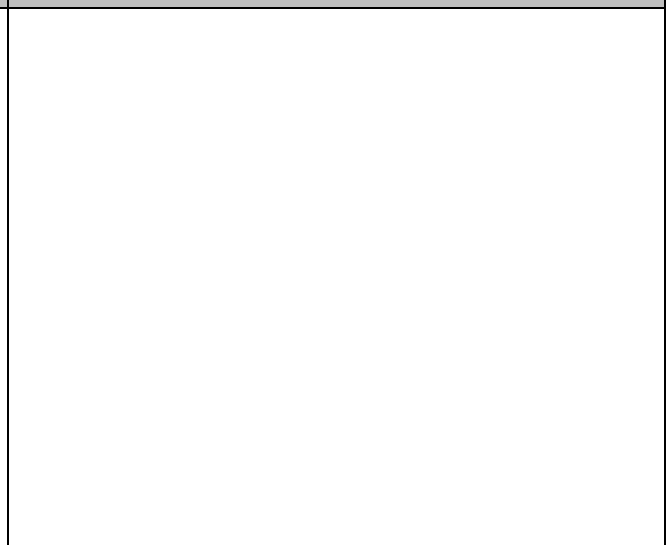
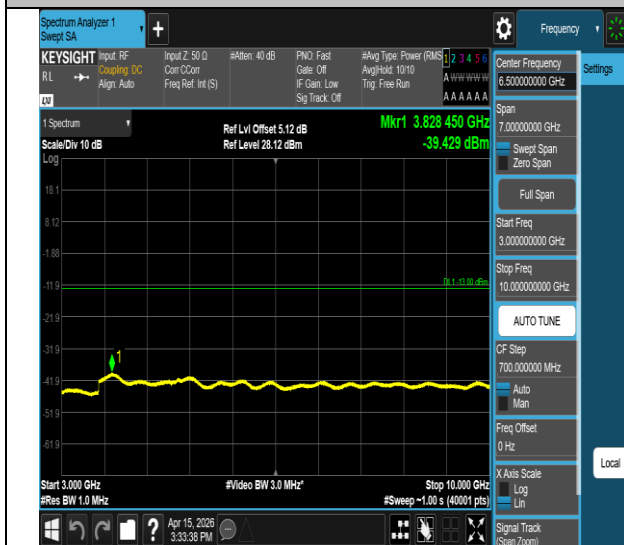
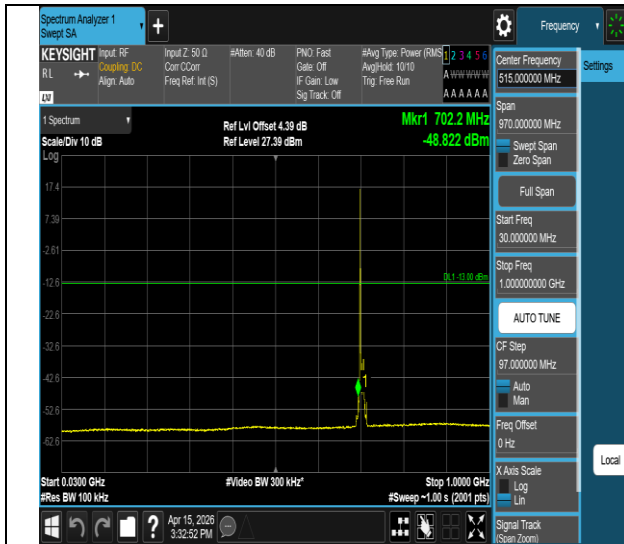


Conducted Spurious Emission

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	-7.08	-0.009972	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-7.71	-0.010859	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-6.52	-0.009183	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	-5.65	-0.007958	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-4.25	-0.005986	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	-6.14	-0.008648	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	-3.02	-0.004254	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-6.52	-0.009183	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-3.89	-0.005479	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	-5.88	-0.008282	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	-3.16	-0.004451	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	-2.17	-0.003056	PASS

~The End~