

Appendix-B 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	23.49	18.35	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.51	18.37	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.47	18.33	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	23.5	18.36	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.45	18.31	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.57	18.43	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.46	18.32	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	23.47	18.33	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.47	18.33	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.48	18.34	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.4	18.26	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	23.49	18.35	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	23.29	18.15	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#12	23.44	18.3	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	23.31	18.17	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	22.57	17.43	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	23.6	18.46	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#12	23.54	18.4	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	23.65	18.51	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	22.49	17.35	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	23.29	18.15	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#12	23.63	18.49	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	23.29	18.15	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	22.53	17.39	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#0	22.62	17.48	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#12	22.48	17.34	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#24	22.6	17.46	34.77	PASS
Band17	5MHz	64QAM	23755	25RB#0	21.48	16.34	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#0	22.49	17.35	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#12	22.87	17.73	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#24	22.49	17.35	34.77	PASS
Band17	5MHz	64QAM	23790	25RB#0	21.42	16.28	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#0	22.64	17.5	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#12	22.7	17.56	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#24	22.75	17.61	34.77	PASS
Band17	5MHz	64QAM	23825	25RB#0	21.5	16.36	34.77	PASS
Band17	5MHz	256QAM	23755	1RB#0	19.67	14.53	34.77	PASS

Band17	5MHz	256QAM	23755	1RB#12	19.64	14.5	34.77	PASS
Band17	5MHz	256QAM	23755	1RB#24	19.35	14.21	34.77	PASS
Band17	5MHz	256QAM	23755	25RB#0	19.49	14.35	34.77	PASS
Band17	5MHz	256QAM	23790	1RB#0	19.75	14.61	34.77	PASS
Band17	5MHz	256QAM	23790	1RB#12	19.9	14.76	34.77	PASS
Band17	5MHz	256QAM	23790	1RB#24	19.63	14.49	34.77	PASS
Band17	5MHz	256QAM	23790	25RB#0	19.42	14.28	34.77	PASS
Band17	5MHz	256QAM	23825	1RB#0	19.8	14.66	34.77	PASS
Band17	5MHz	256QAM	23825	1RB#12	19.94	14.8	34.77	PASS
Band17	5MHz	256QAM	23825	1RB#24	19.77	14.63	34.77	PASS
Band17	5MHz	256QAM	23825	25RB#0	19.57	14.43	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.46	18.32	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.57	18.43	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.44	18.3	34.77	PASS
Band17	10MHz	QPSK	23780	50RB#0	23.57	18.43	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.54	18.4	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.5	18.36	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.44	18.3	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	23.47	18.33	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.47	18.33	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.49	18.35	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.46	18.32	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	23.53	18.39	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	23.52	18.38	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	23.35	18.21	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	23.5	18.36	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	22.57	17.43	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	23.48	18.34	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#24	23.64	18.5	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	23.44	18.3	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	22.49	17.35	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	23.32	18.18	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	23.37	18.23	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	23.4	18.26	34.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	22.55	17.41	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#0	22.6	17.46	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#24	23.13	17.99	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#49	22.55	17.41	34.77	PASS
Band17	10MHz	64QAM	23780	50RB#0	21.59	16.45	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#0	22.57	17.43	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#24	22.76	17.62	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#49	22.45	17.31	34.77	PASS
Band17	10MHz	64QAM	23790	50RB#0	21.5	16.36	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#0	22.58	17.44	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#24	22.71	17.57	34.77	PASS

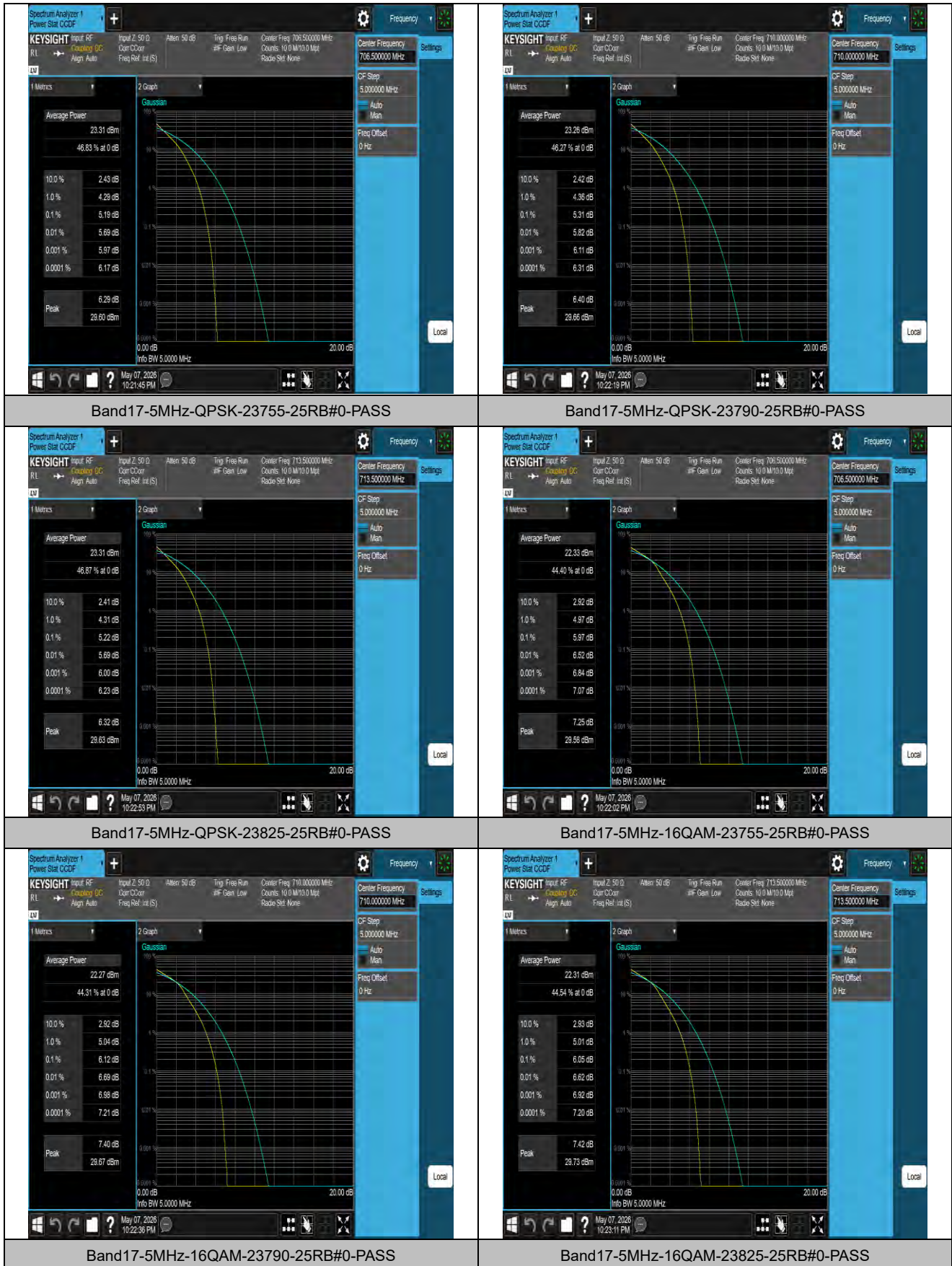
Band17	10MHz	64QAM	23800	1RB#49	22.49	17.35	34.77	PASS
Band17	10MHz	64QAM	23800	50RB#0	21.61	16.47	34.77	PASS
Band17	10MHz	256QAM	23780	1RB#0	19.6	14.46	34.77	PASS
Band17	10MHz	256QAM	23780	1RB#24	19.51	14.37	34.77	PASS
Band17	10MHz	256QAM	23780	1RB#49	19.67	14.53	34.77	PASS
Band17	10MHz	256QAM	23780	50RB#0	19.55	14.41	34.77	PASS
Band17	10MHz	256QAM	23790	1RB#0	19.56	14.42	34.77	PASS
Band17	10MHz	256QAM	23790	1RB#24	19.47	14.33	34.77	PASS
Band17	10MHz	256QAM	23790	1RB#49	19.91	14.77	34.77	PASS
Band17	10MHz	256QAM	23790	50RB#0	19.46	14.32	34.77	PASS
Band17	10MHz	256QAM	23800	1RB#0	19.62	14.48	34.77	PASS
Band17	10MHz	256QAM	23800	1RB#24	19.79	14.65	34.77	PASS
Band17	10MHz	256QAM	23800	1RB#49	19.56	14.42	34.77	PASS
Band17	10MHz	256QAM	23800	50RB#0	19.53	14.39	34.77	PASS

Peak-to-Average Ratio(CCDF)

Test Result

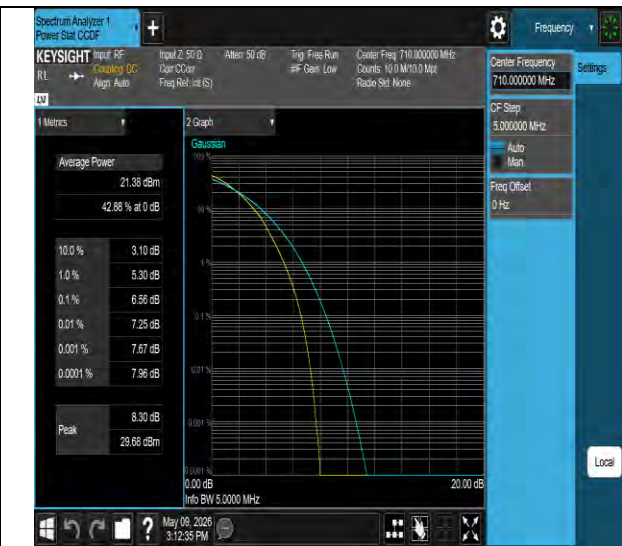
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	5.19	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.31	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.22	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	5.97	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.12	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.05	13	PASS
Band17	5MHz	64QAM	23755	25RB#0	6.44	13	PASS
Band17	5MHz	64QAM	23790	25RB#0	6.56	13	PASS
Band17	5MHz	64QAM	23825	25RB#0	6.52	13	PASS
Band17	5MHz	256QAM	23755	25RB#0	6.90	13	PASS
Band17	5MHz	256QAM	23790	25RB#0	6.89	13	PASS
Band17	5MHz	256QAM	23825	25RB#0	6.91	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.27	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.27	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.21	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.06	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.08	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.05	13	PASS
Band17	10MHz	64QAM	23780	50RB#0	6.50	13	PASS
Band17	10MHz	64QAM	23790	50RB#0	6.52	13	PASS
Band17	10MHz	64QAM	23800	50RB#0	6.48	13	PASS
Band17	10MHz	256QAM	23780	50RB#0	6.84	13	PASS
Band17	10MHz	256QAM	23790	50RB#0	6.84	13	PASS
Band17	10MHz	256QAM	23800	50RB#0	6.86	13	PASS

Test Graphs





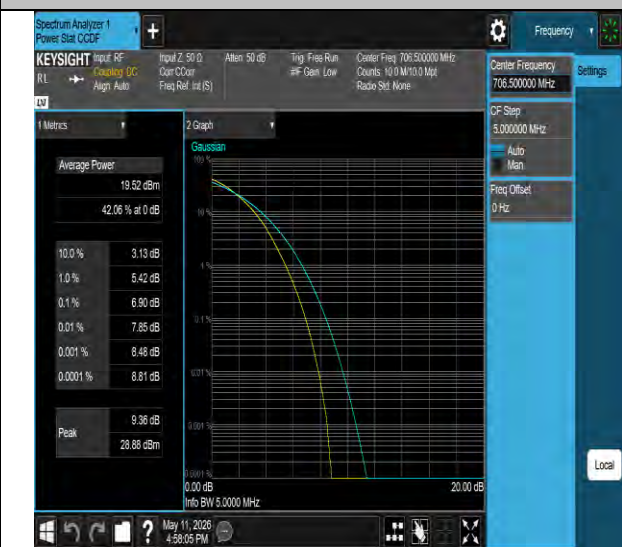
Band17-5MHz-64QAM-23755-25RB#0-PASS



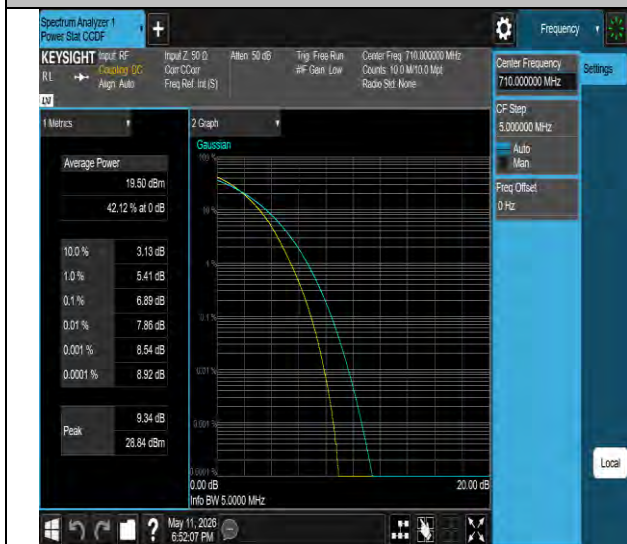
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Band17-5MHz-64QAM-23825-25RB#0-PASS



Band17-5MHz-256QAM-23755-25RB#0-PASS



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



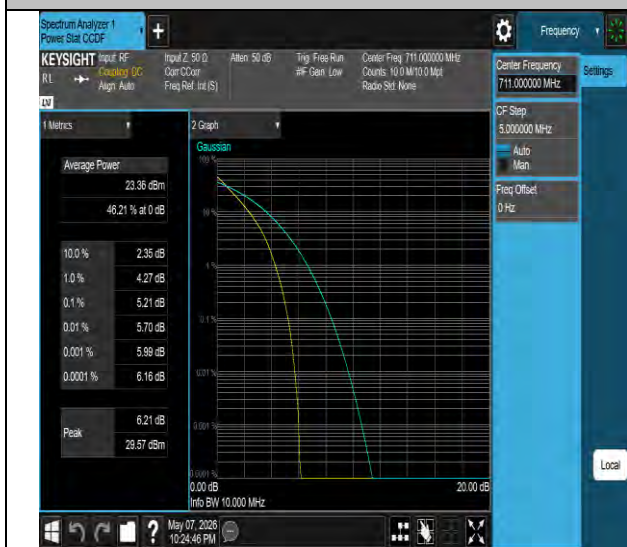
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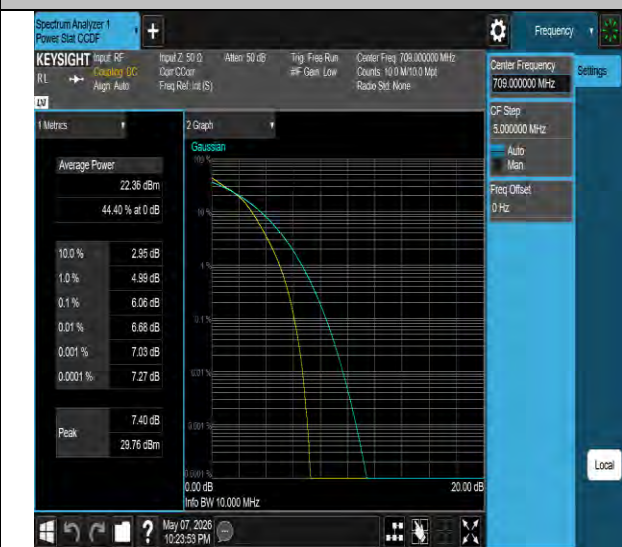
Band17-10MHz-QPSK-23780-50RB#0-PASS



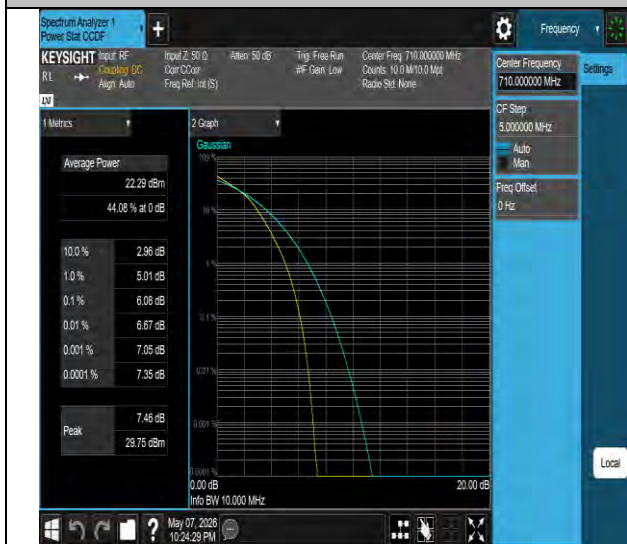
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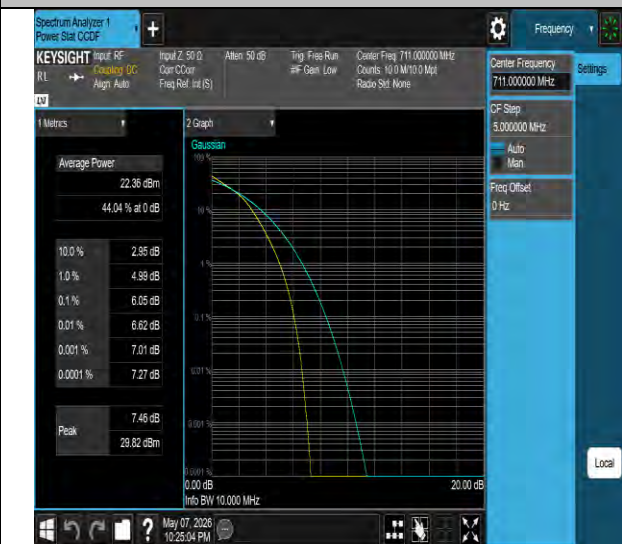
Band17-10MHz-QPSK-23800-50RB#0-PASS



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



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



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



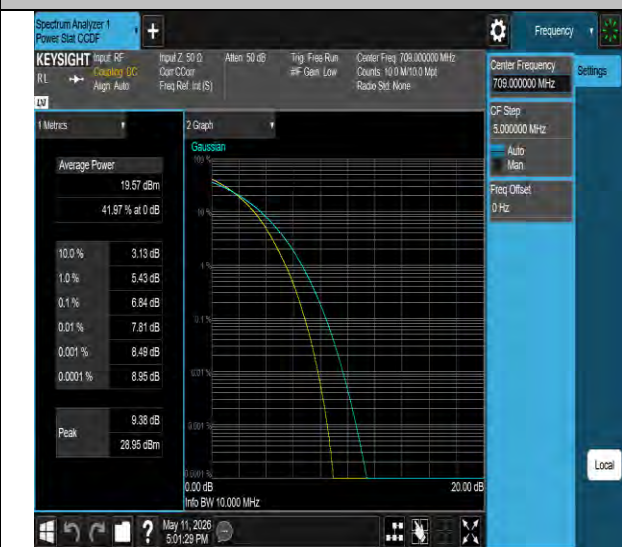
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Band17-10MHz-64QAM-23790-50RB#0-PASS



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



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



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



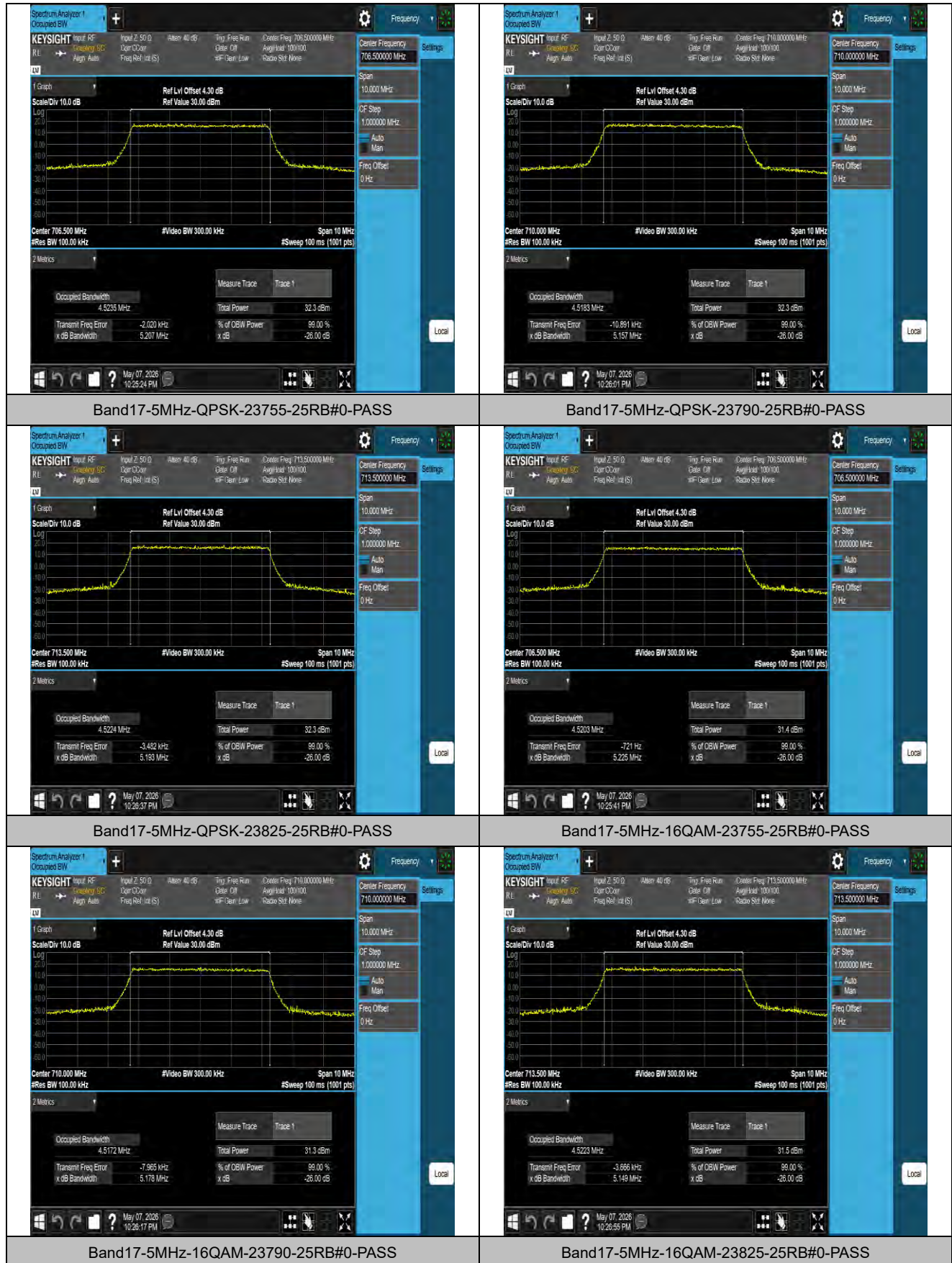
Band17-10MHz-256QAM-23800-50RB#0-PASS

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	4.5235	5.207	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5183	5.157	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5224	5.193	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5203	5.225	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5172	5.178	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5223	5.149	PASS
Band17	5MHz	64QAM	23755	25RB#0	4.5029	5.172	PASS
Band17	5MHz	64QAM	23790	25RB#0	4.4993	5.210	PASS
Band17	5MHz	64QAM	23825	25RB#0	4.5110	5.149	PASS
Band17	5MHz	256QAM	23755	25RB#0	4.4963	5.145	PASS
Band17	5MHz	256QAM	23790	25RB#0	4.5028	5.078	PASS
Band17	5MHz	256QAM	23825	25RB#0	4.5130	5.157	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9887	10.10	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9817	9.965	PASS
Band17	10MHz	QPSK	23800	50RB#0	9.0171	10.12	PASS
Band17	10MHz	16QAM	23780	50RB#0	9.0055	9.972	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9935	9.986	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9936	10.06	PASS
Band17	10MHz	64QAM	23780	50RB#0	8.9820	9.913	PASS
Band17	10MHz	64QAM	23790	50RB#0	8.9818	9.864	PASS
Band17	10MHz	64QAM	23800	50RB#0	8.9573	9.920	PASS
Band17	10MHz	256QAM	23780	50RB#0	8.9656	9.874	PASS
Band17	10MHz	256QAM	23790	50RB#0	8.9704	10.04	PASS
Band17	10MHz	256QAM	23800	50RB#0	8.9773	9.941	PASS

Test Graphs





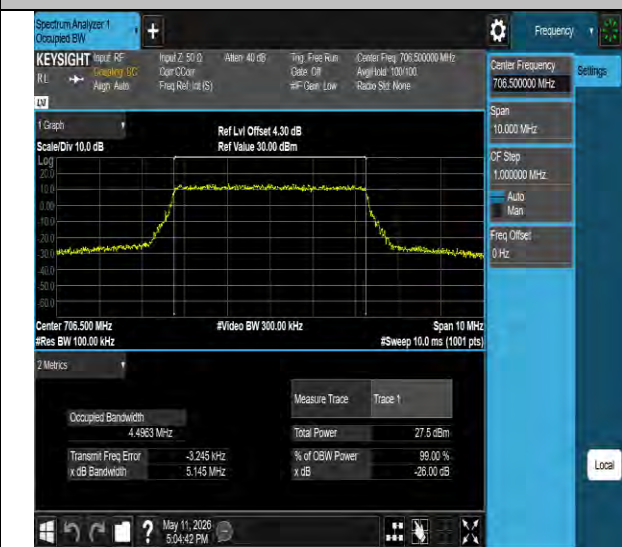
Band17-5MHz-64QAM-23755-25RB#0-PASS



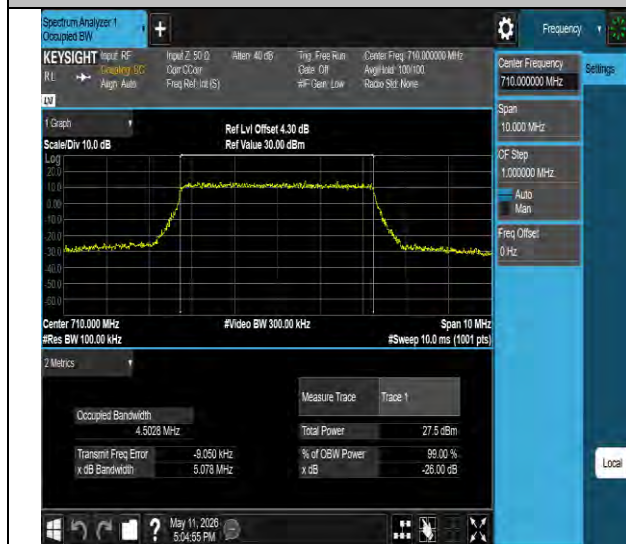
Band17-5MHz-64QAM-23790-25RB#0-PASS



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



Band17-5MHz-256QAM-23755-25RB#0-PASS



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



Band17-5MHz-256QAM-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



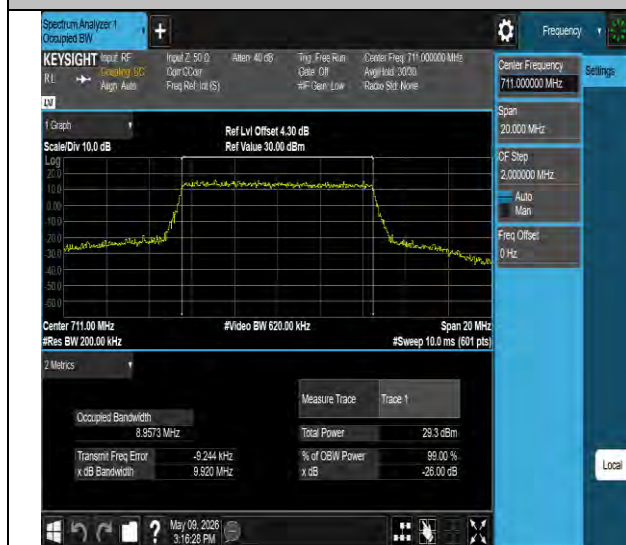
Band17-10MHz-16QAM-23800-50RB#0-PASS



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



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



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



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



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

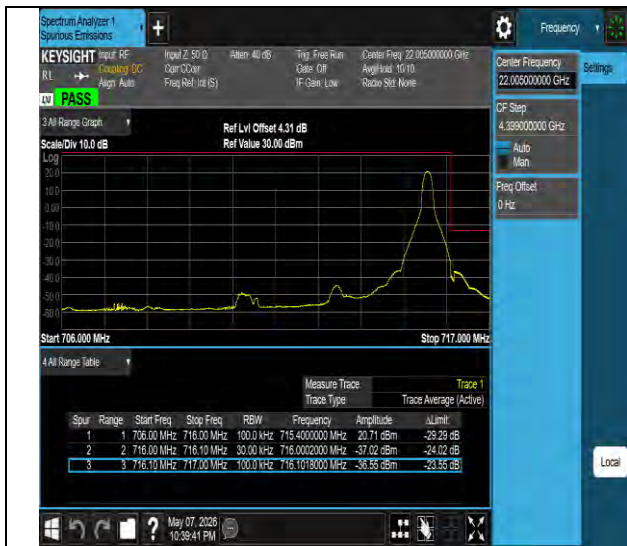


Band17-10MHz-256QAM-23800-50RB#0-PASS

Band Edge

Test Graphs





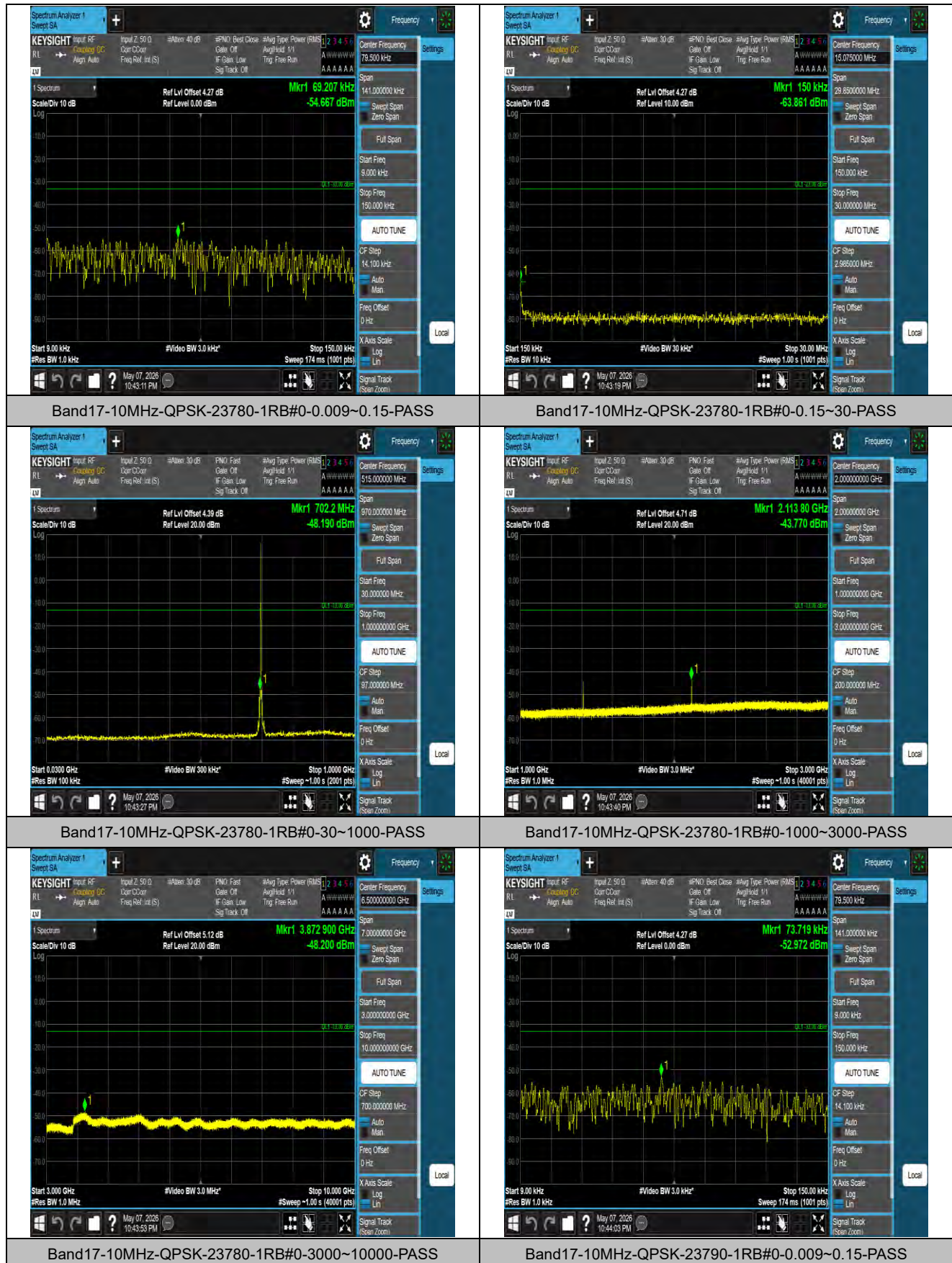
Band17-10MHz-QPSK-23800-1RB#49-PASS

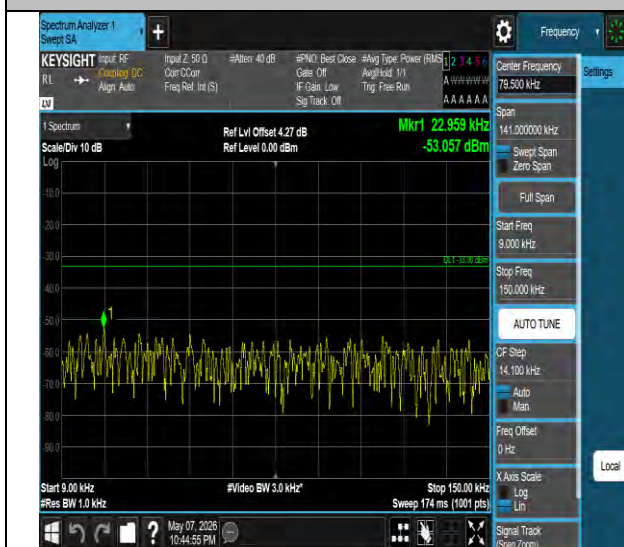
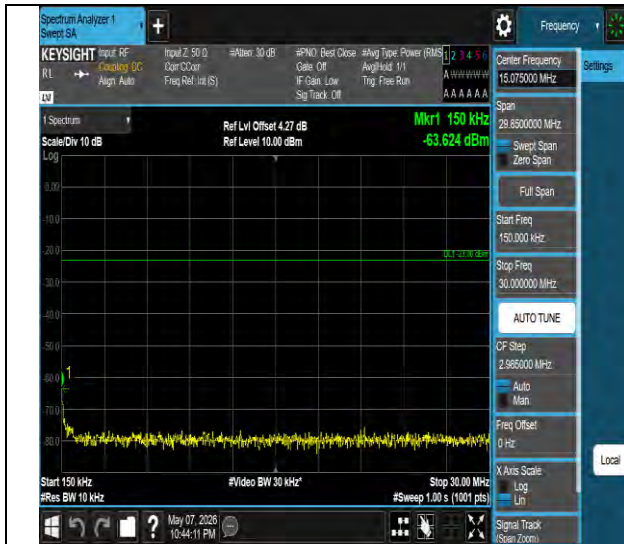


Band17-10MHz-QPSK-23800-50RB#0-PASS

Conducted Spurious Emission

Test Graphs



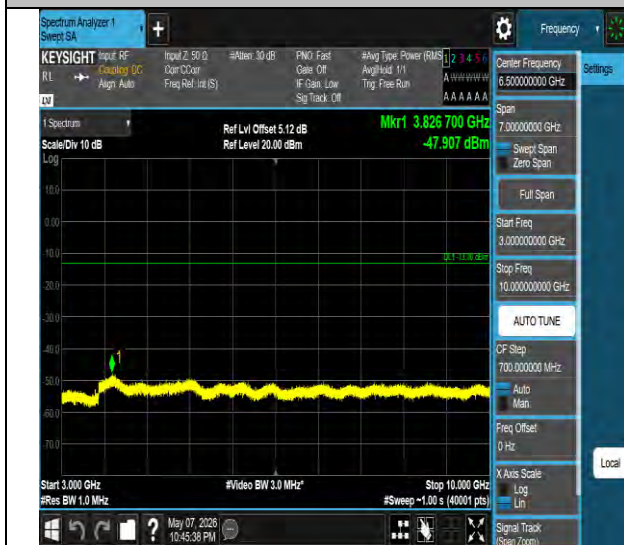




Band17-10MHz-QPSK-23800-1RB#0-30~1000-PASS



Band17-10MHz-QPSK-23800-1RB#0-1000~3000-PASS



Band17-10MHz-QPSK-23800-1RB#0-3000~10000-PASS

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	-12.92	-0.018197	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	4.69	0.006606	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	3.66	0.005155	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	2.62	0.003690	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-2.02	-0.002845	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	3.48	0.004901	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	3.91	0.005507	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	2.68	0.003775	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	3.00	0.004225	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	-1.44	-0.002028	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	-1.49	-0.002099	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	0.93	0.001310	PASS

~The End~