

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	23.91	21.95	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.96	22	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.86	21.9	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.87	20.91	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.83	20.87	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.80	20.84	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.75	20.79	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	24.12	22.16	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.97	22.01	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	24.33	22.37	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.78	20.82	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.76	20.8	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.89	20.93	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.82	20.86	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	24.06	22.1	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.99	22.03	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.90	21.94	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#0	22.92	20.96	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#6	22.93	20.97	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#13	22.84	20.88	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.88	20.92	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.63	20.67	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.55	20.59	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.48	20.52	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.86	19.9	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.52	19.56	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.79	19.83	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.77	19.81	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.81	20.85	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.89	20.93	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.83	20.87	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.78	19.82	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#6	21.76	19.8	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.70	19.74	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.84	19.88	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.91	20.95	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.91	20.95	34.77	PASS

Band17	5MHz	16QAM	23825	1RB#24	22.85	20.89	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#0	22.02	20.06	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#6	22.02	20.06	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#13	21.92	19.96	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.88	19.92	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.79	21.83	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.96	22	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.88	21.92	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#0	22.75	20.79	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.85	20.89	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#25	22.92	20.96	34.77	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.80	20.84	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.52	21.56	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	24.23	22.27	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.69	21.73	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#0	22.75	20.79	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#12	22.75	20.79	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#25	22.98	21.02	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.83	20.87	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.63	21.67	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.83	21.87	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.81	21.85	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#0	22.80	20.84	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#12	22.82	20.86	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#25	22.85	20.89	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.89	20.93	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.84	20.88	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.99	21.03	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.84	20.88	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.75	19.79	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#12	21.75	19.79	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.92	19.96	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.74	19.78	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.71	20.75	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#24	23.15	21.19	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.56	20.6	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.88	19.92	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.79	19.83	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#25	21.84	19.88	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.89	19.93	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	23.27	21.31	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	23.75	21.79	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	23.17	21.21	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.73	19.77	34.77	PASS

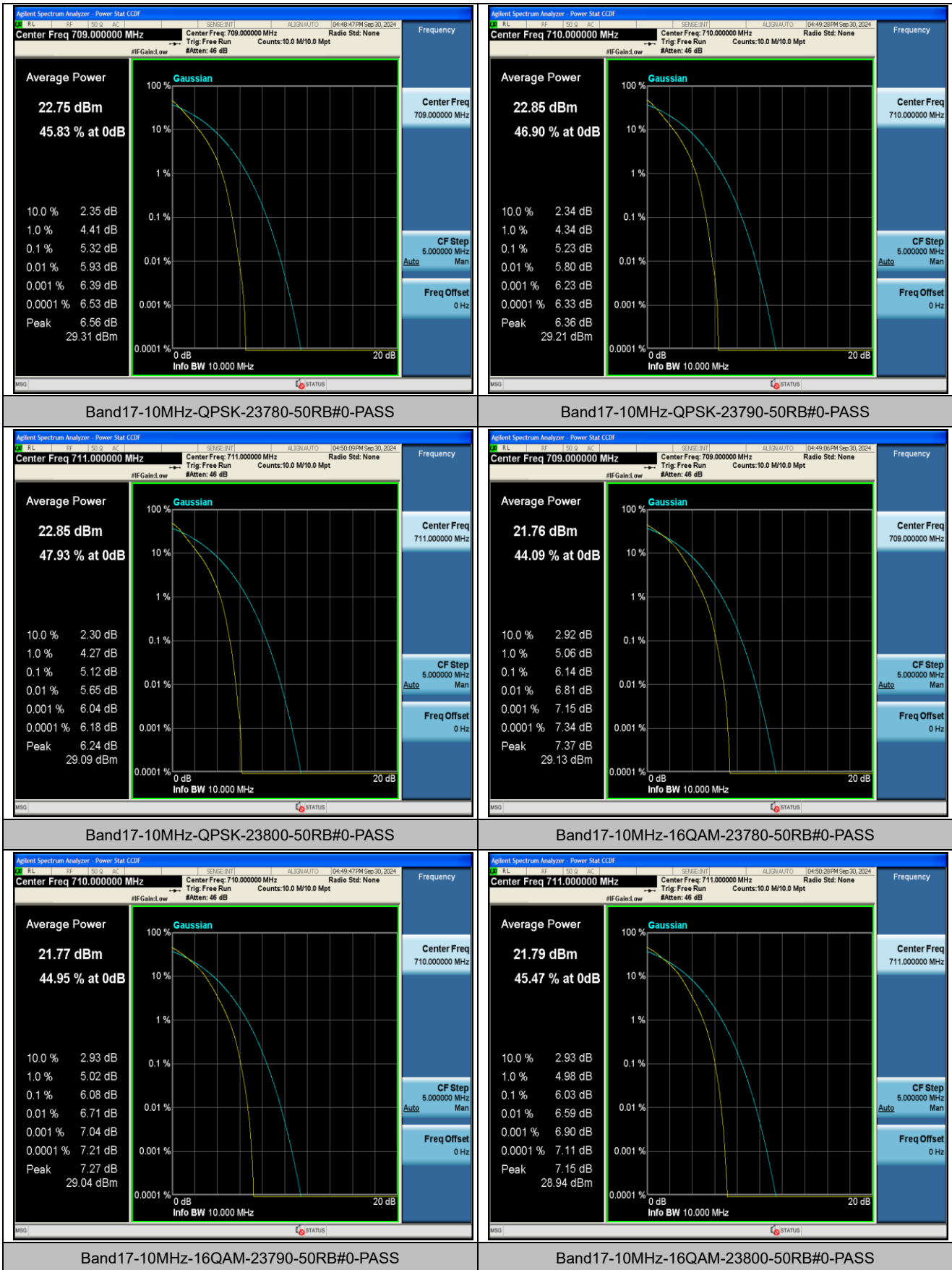
Band17	10MHz	16QAM	23800	25RB#12	21.74	19.78	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#25	22.01	20.05	34.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.92	19.96	34.77	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band17	10MHz	QPSK	23780	50RB#0	5.32	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.23	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.12	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.14	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.08	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.03	13	PASS

Test Graphs

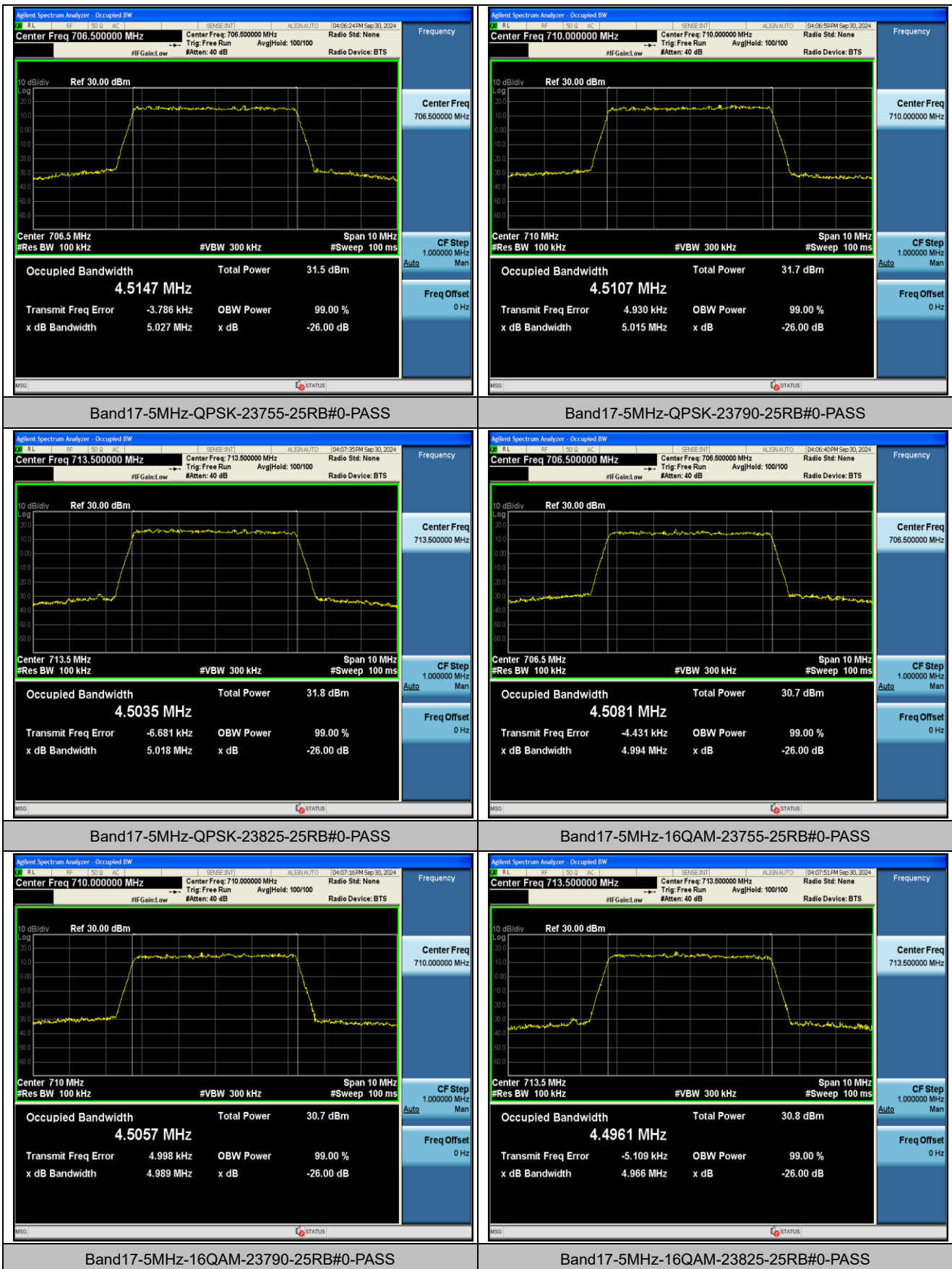


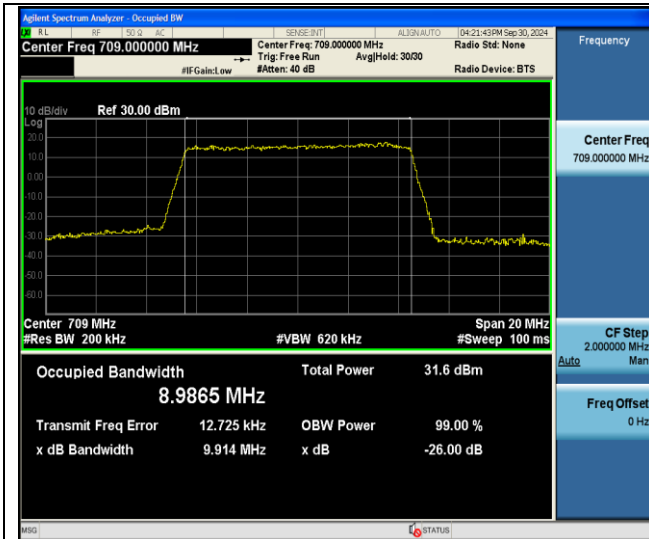
26dB Bandwidth and Occupied Bandwidth

Test Result

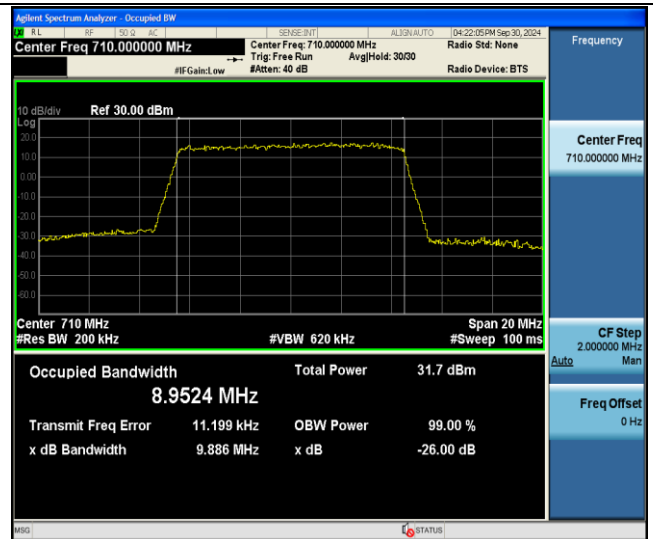
Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5147	5.027	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5107	5.015	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5035	5.018	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5081	4.994	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5057	4.989	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.4961	4.966	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9865	9.914	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9524	9.886	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9684	9.882	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9732	9.833	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9433	9.845	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9632	9.850	PASS

Test Graphs





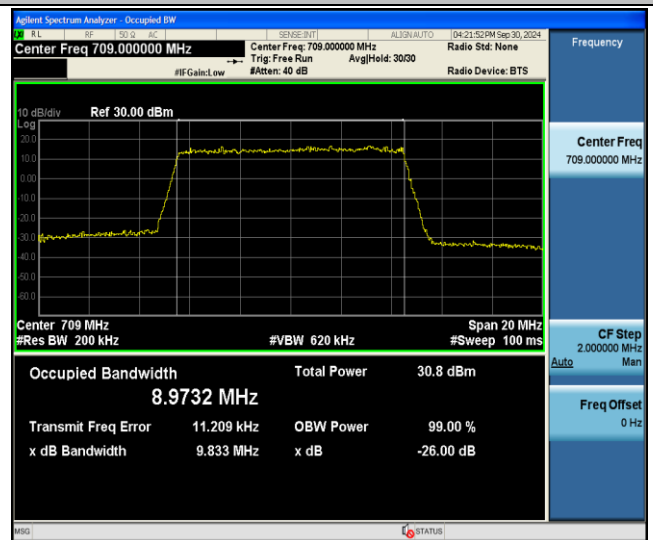
Band17-10MHz-QPSK-23780-50RB#0-PASS



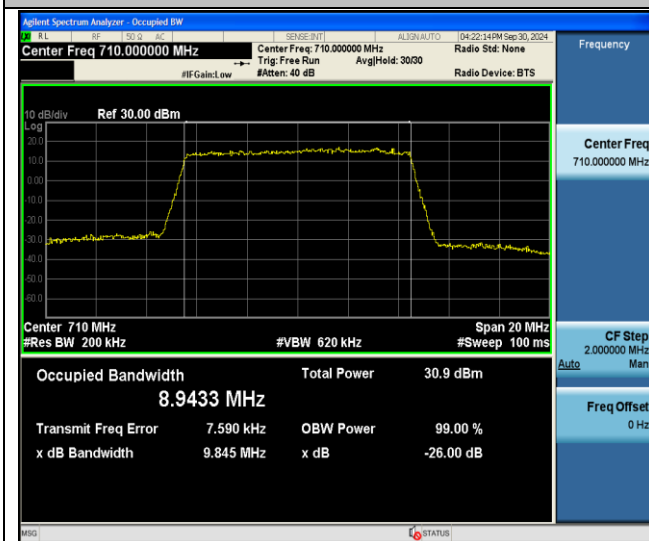
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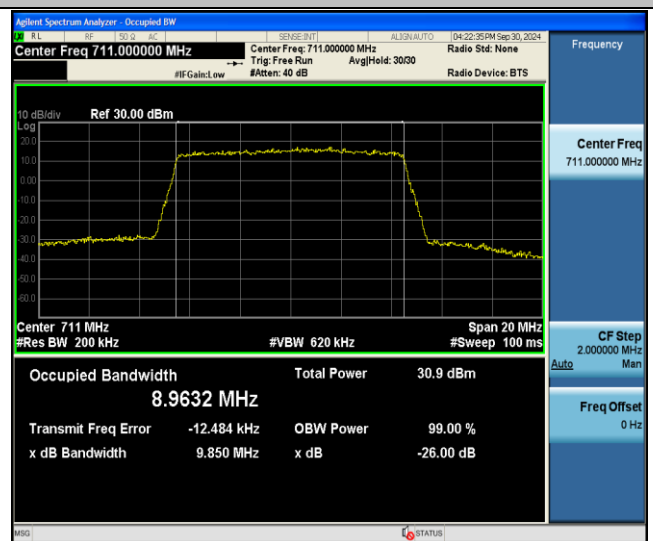
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Band17-10MHz-16QAM-23780-50RB#0-PASS



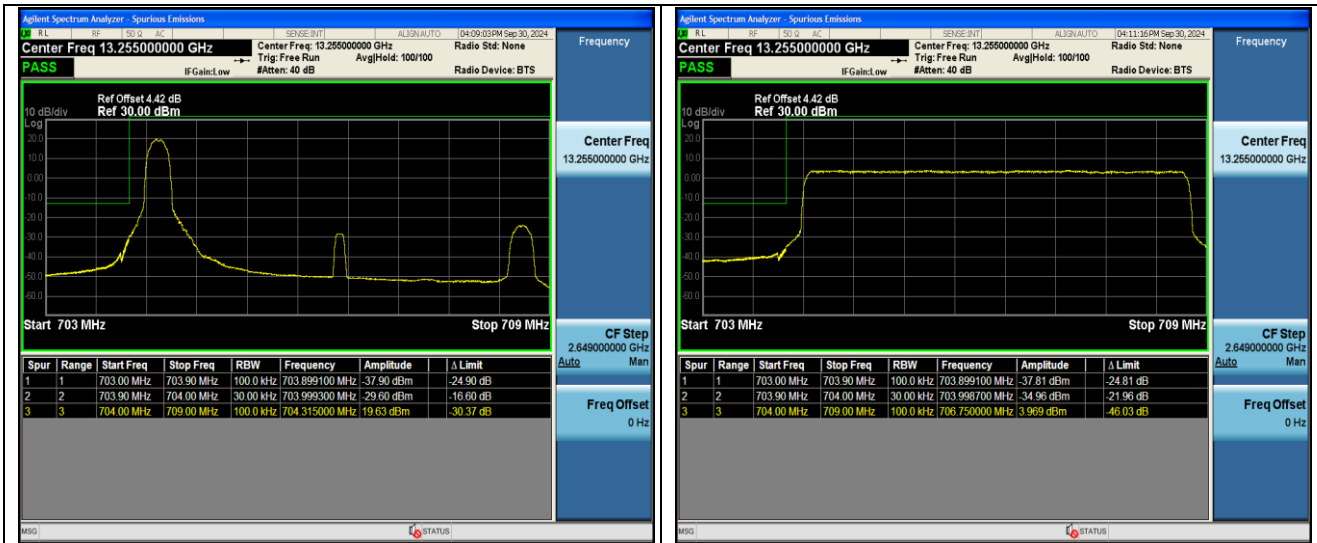
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Band17-10MHz-16QAM-23800-50RB#0-PASS

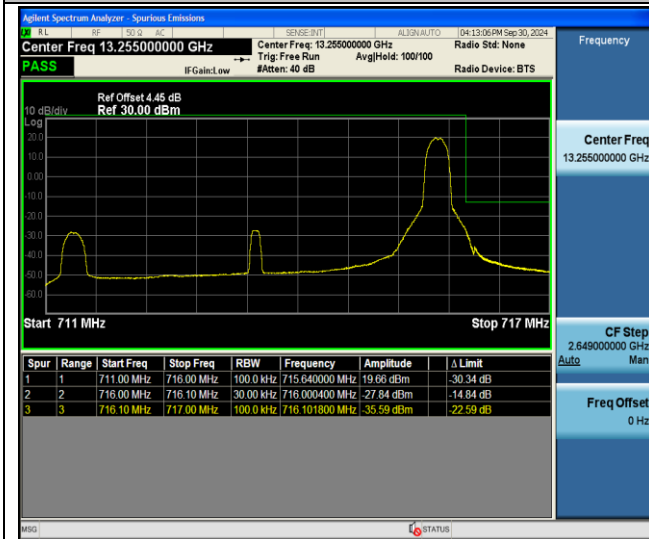
Band Edge

Test Graphs



Band17-5MHz-QPSK-23755-1RB#0-PASS

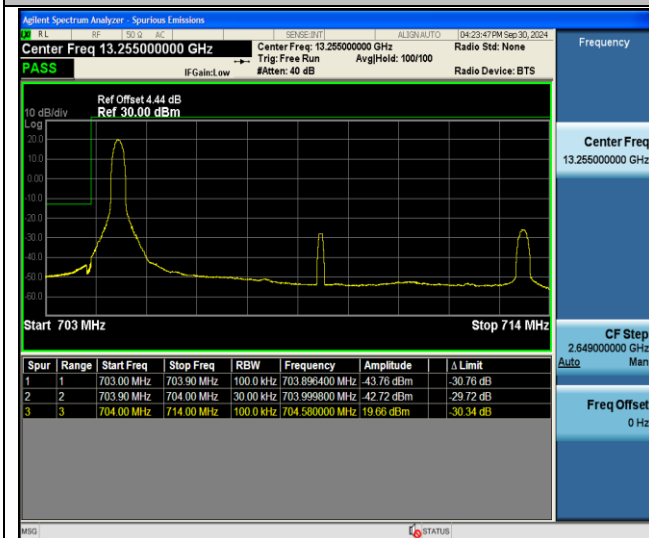
Band17-5MHz-QPSK-23755-25RB#0-PASS



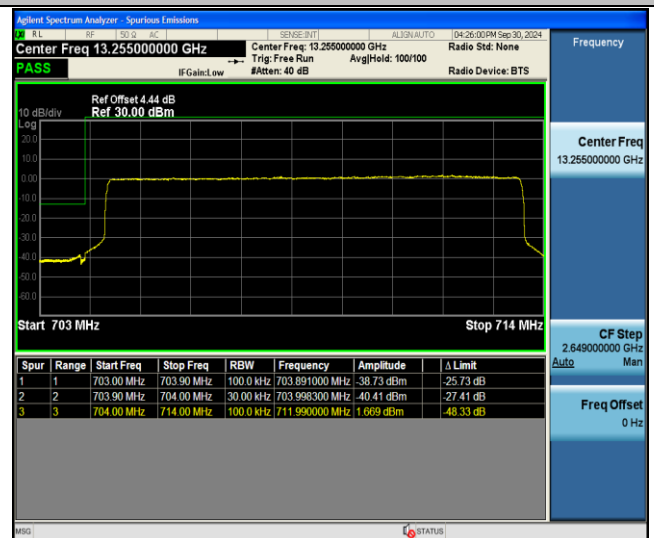
Band17-5MHz-QPSK-23825-1RB#24-PASS



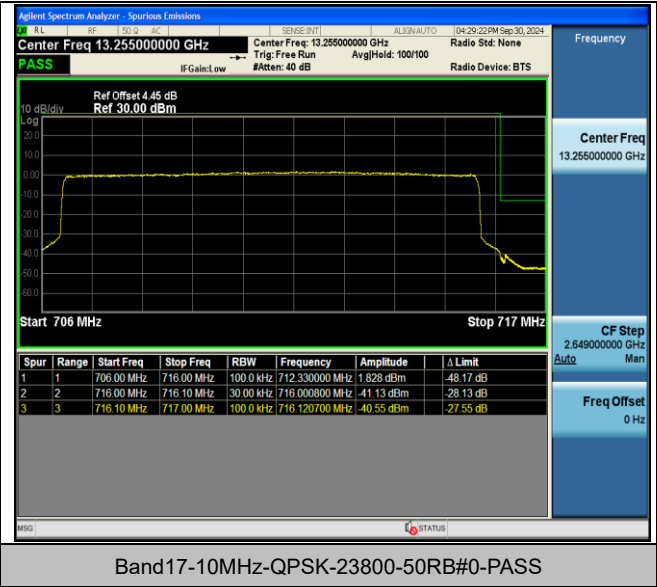
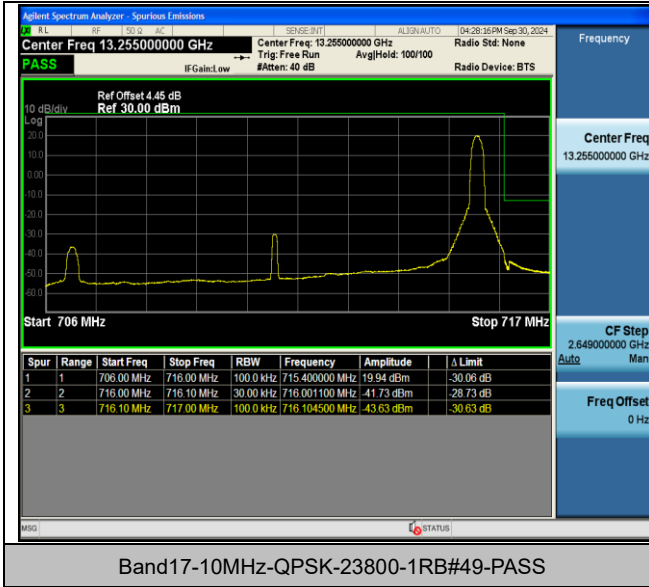
Band17-5MHz-QPSK-23825-25RB#0-PASS



Band17-10MHz-QPSK-23780-1RB#0-PASS

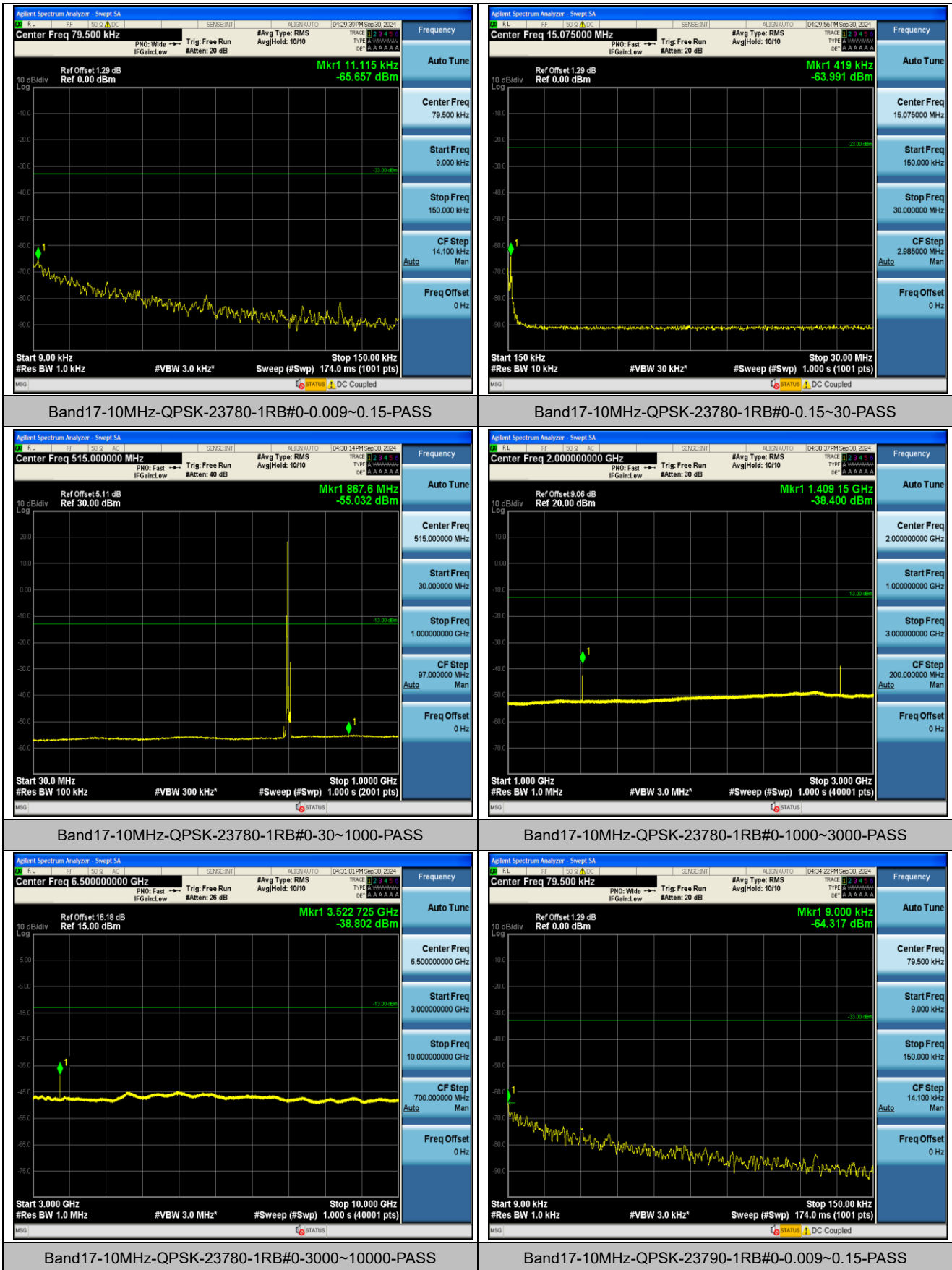


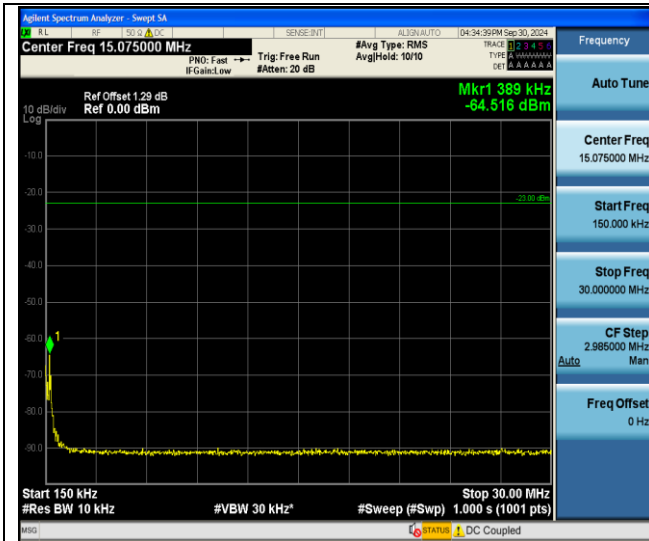
Band17-10MHz-QPSK-23780-50RB#0-PASS



Conducted Spurious Emission

Test Graphs





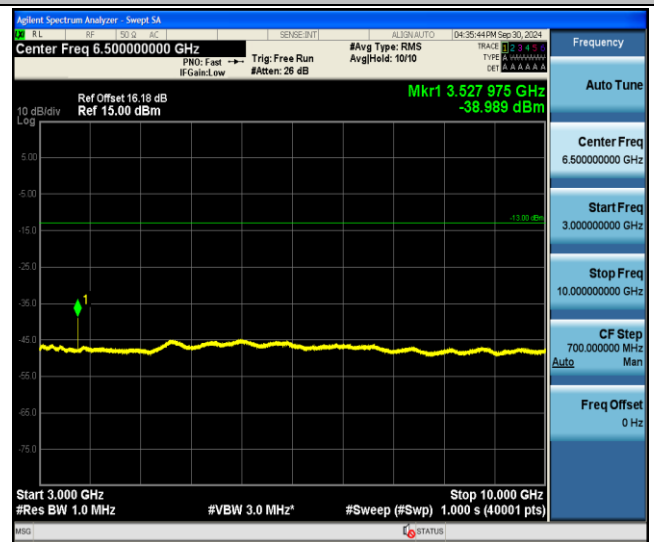
Band17-10MHz-QPSK-23790-1RB#0-0.15~30-PASS



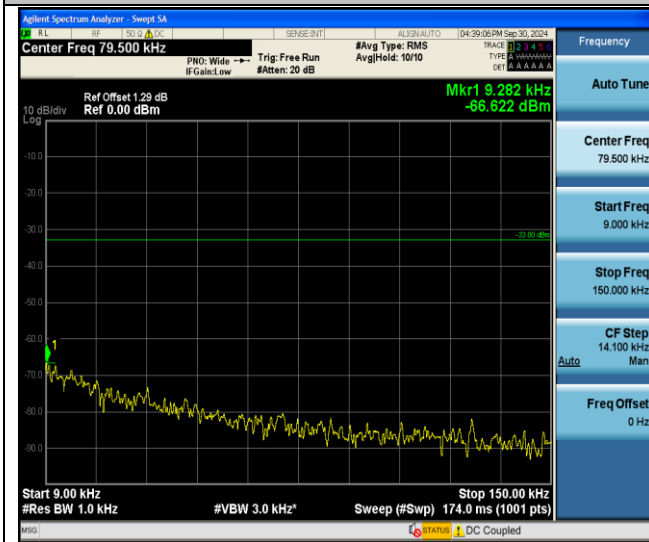
Band17-10MHz-QPSK-23790-1RB#0-30~1000-PASS



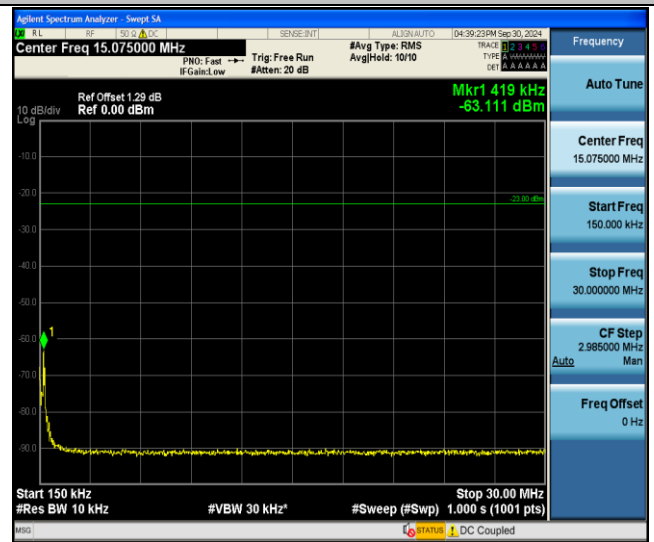
Band17-10MHz-QPSK-23790-1RB#0-1000~3000-PASS



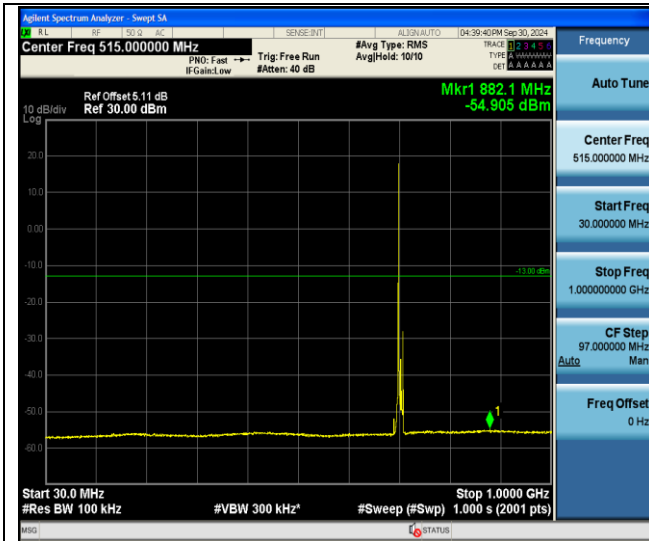
Band17-10MHz-QPSK-23790-1RB#0-3000~10000-PASS



Band17-10MHz-QPSK-23800-1RB#0-0.009~0.15-PASS



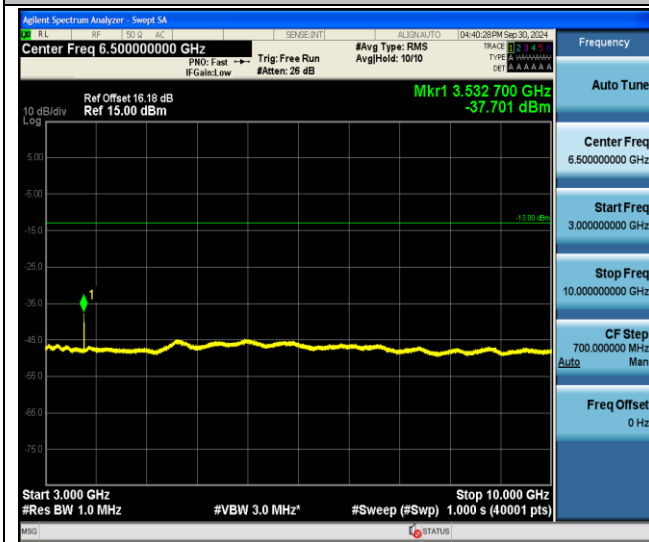
Band17-10MHz-QPSK-23800-1RB#0-0.15~30-PASS



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

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	-3.59	-0.005056	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	2.42	0.003408	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-1.23	-0.001732	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	2.92	0.004113	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	2.66	0.003746	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	-1.80	-0.002535	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	-1.13	-0.001592	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	1.42	0.002000	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	1.85	0.002606	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	-1.47	-0.002070	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	0.92	0.001296	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	-2.13	-0.003000	PASS