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	23.19	19.04	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.16	19.01	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.18	19.03	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.22	18.07	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.08	17.93	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.19	18.04	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.11	17.96	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.17	18.02	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.15	18	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.16	18.01	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.24	17.09	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.24	17.09	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.29	17.14	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.44	17.29	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.28	19.13	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.25	19.1	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.42	19.27	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.25	18.1	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.27	18.12	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.39	18.24	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.36	18.21	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.27	18.12	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.18	18.03	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.31	18.16	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.32	17.17	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#6	21.39	17.24	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.71	17.56	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.58	17.43	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.43	19.28	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.37	19.22	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.34	19.19	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#0	22.42	18.27	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#6	22.38	18.23	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#13	22.38	18.23	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.38	18.23	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.38	18.23	34.77	PASS

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Band17	5MHz	16QAM	23825	1RB#12	22.35	18.2	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.37	18.22	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#0	21.79	17.64	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#6	21.47	17.32	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#13	21.29	17.14	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.6	17.45	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.13	18.98	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.18	19.03	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.45	19.3	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#0	22.22	18.07	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.28	18.13	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#25	22.41	18.26	34.77	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.3	18.15	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.63	18.48	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.63	18.48	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.89	18.74	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.22	17.07	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#12	21.37	17.22	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.71	17.56	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.29	17.14	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.17	19.02	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.32	19.17	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.35	19.2	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#0	22.2	18.05	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#12	22.41	18.26	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#25	22.39	18.24	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.31	18.16	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.22	18.07	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#24	22.1	17.95	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.26	18.11	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.52	17.37	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.49	17.34	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#25	21.93	17.78	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.37	17.22	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.15	19	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.32	19.17	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.45	19.3	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#0	22.29	18.14	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#12	22.33	18.18	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#25	22.45	18.3	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.22	18.07	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.69	18.54	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	22.76	18.61	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.8	18.65	34.77	PASS

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Band17	10MHz	16QAM	23800	25RB#0	21.31	17.16	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#12	21.35	17.2	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#25	21.4	17.25	34.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.43	17.28	34.77	PASS

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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band17	10MHz	QPSK	23780	50RB#0	5.72	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.39	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.61	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.30	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.55	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.24	13	PASS

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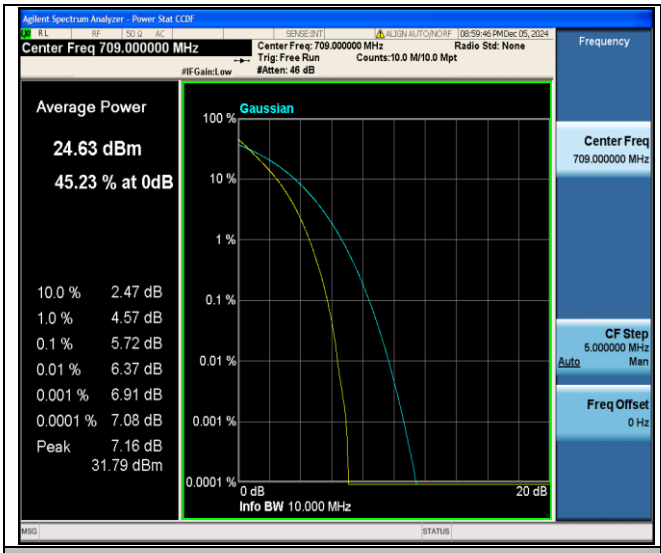
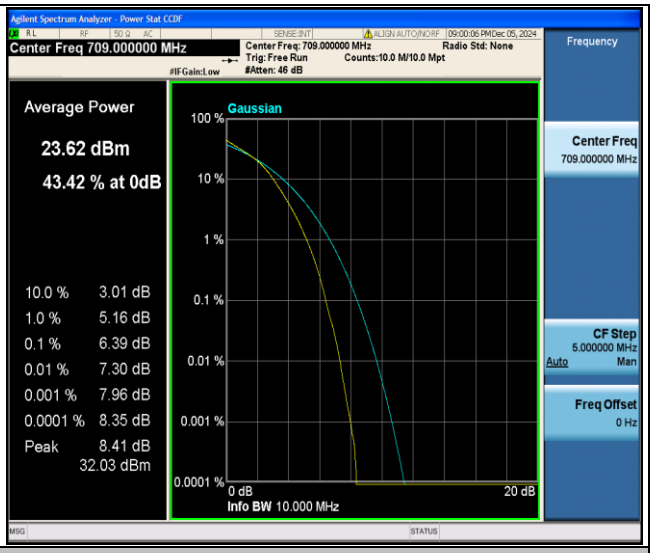
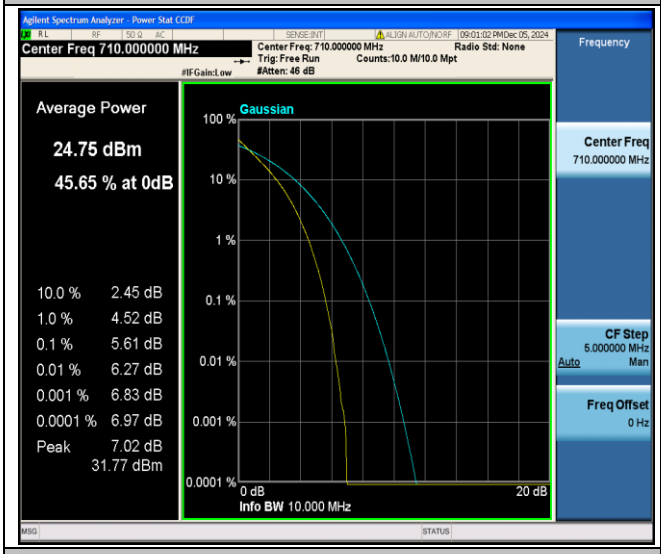
Test Graphs



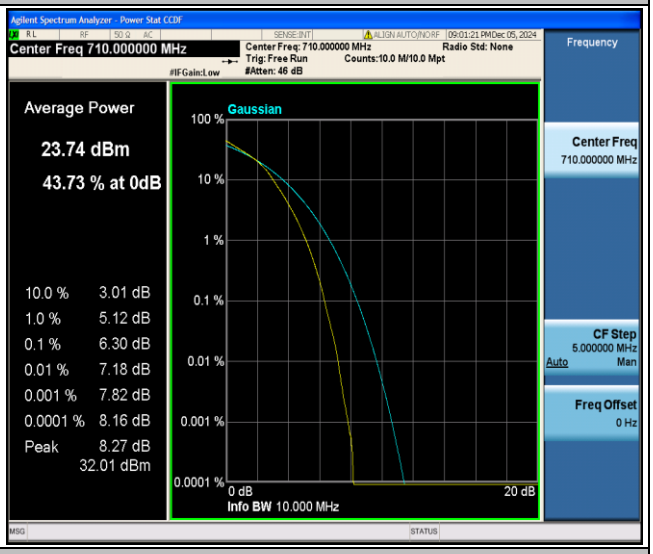
Band17-10MHz-QPSK-23780-50RB#0-PASS



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



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



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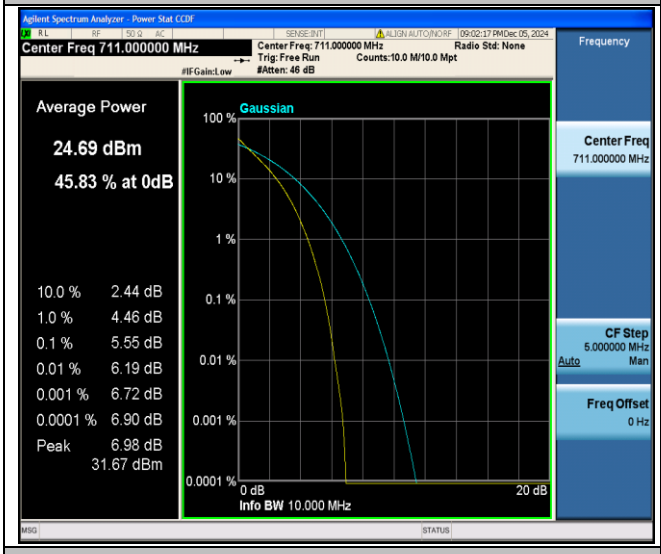

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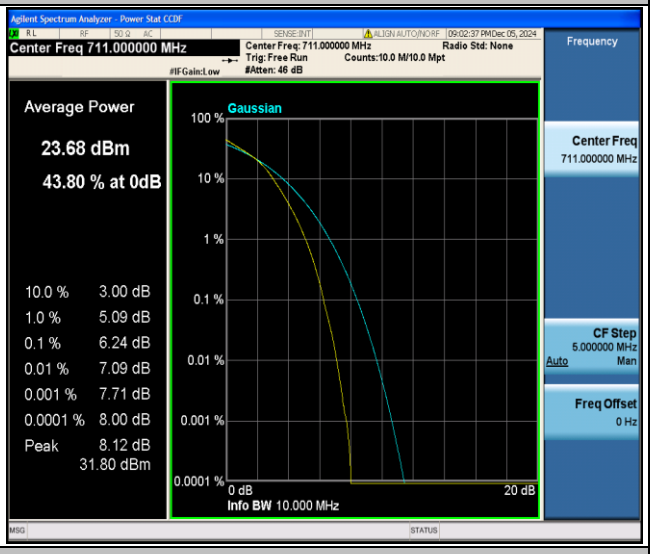

Band17-10MHz-16QAM-23800-50RB#0-PASS

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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	4.4914	4.971	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.4942	4.986	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.4844	4.959	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.4882	4.972	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.4881	4.961	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.4881	4.991	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9984	9.867	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9707	9.804	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9942	9.815	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9624	9.809	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9802	9.862	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9468	9.798	PASS

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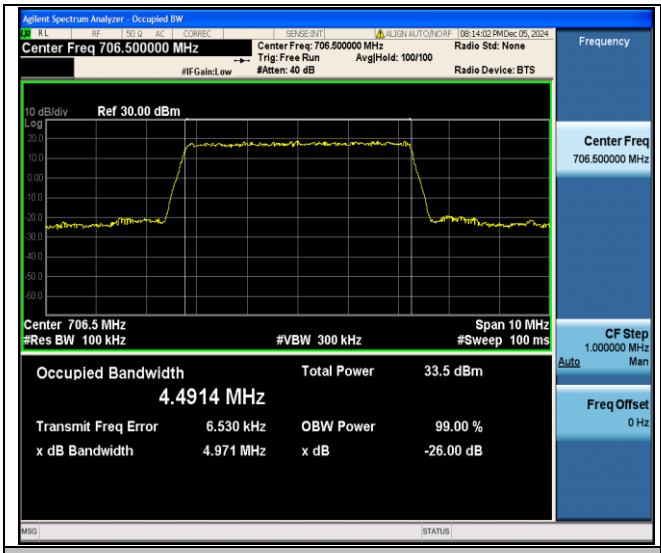
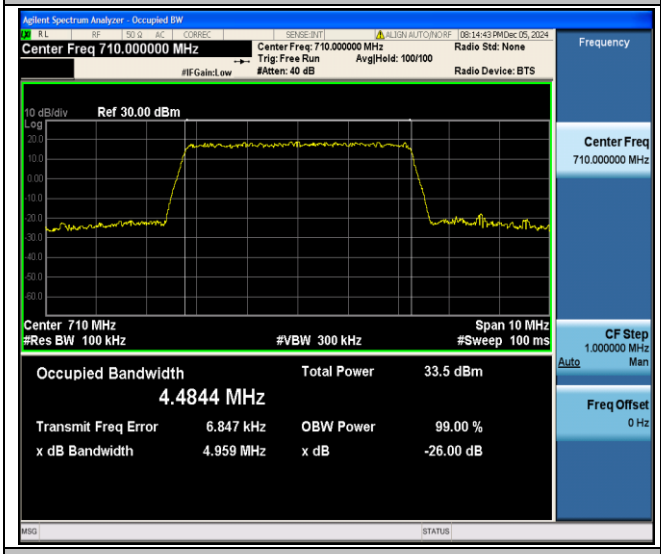
Test Graphs



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

Band17-5MHz-16QAM-23755-25RB#0-PASS



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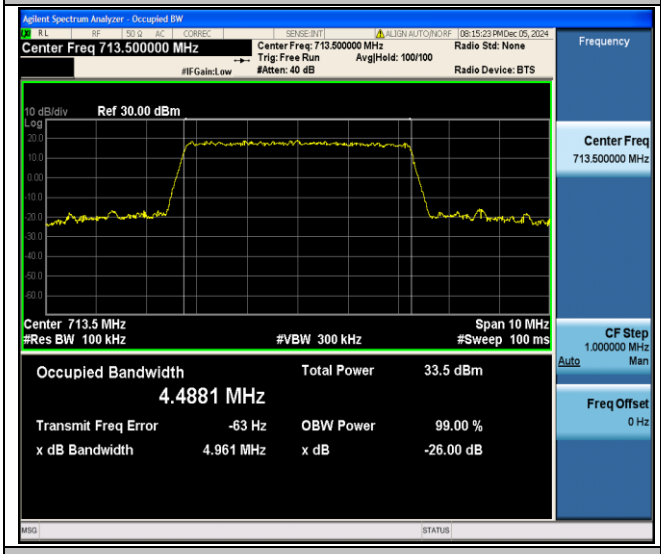
Band17-5MHz-16QAM-23790-25RB#0-PASS



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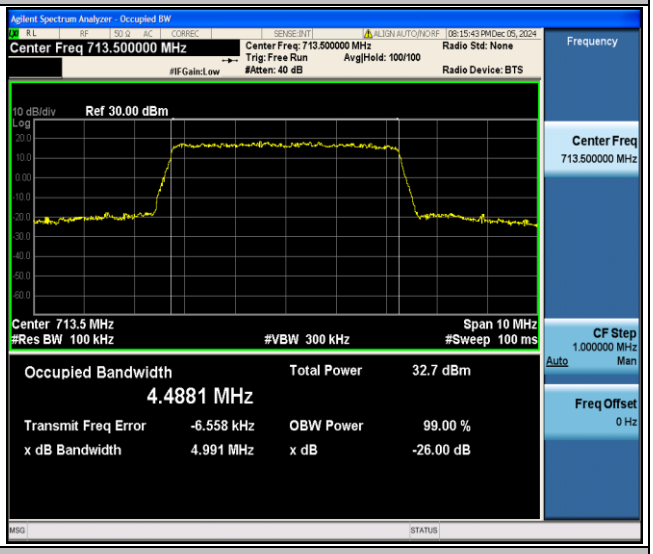

Band17-5MHz-16QAM-23825-25RB#0-PASS

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

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

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

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

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

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

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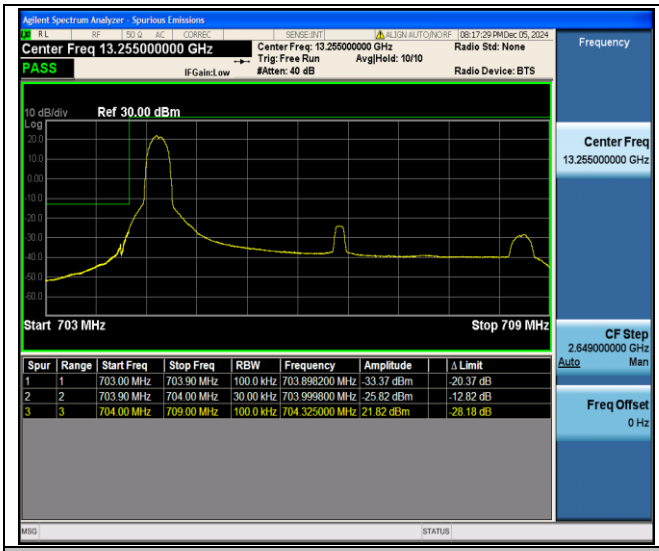
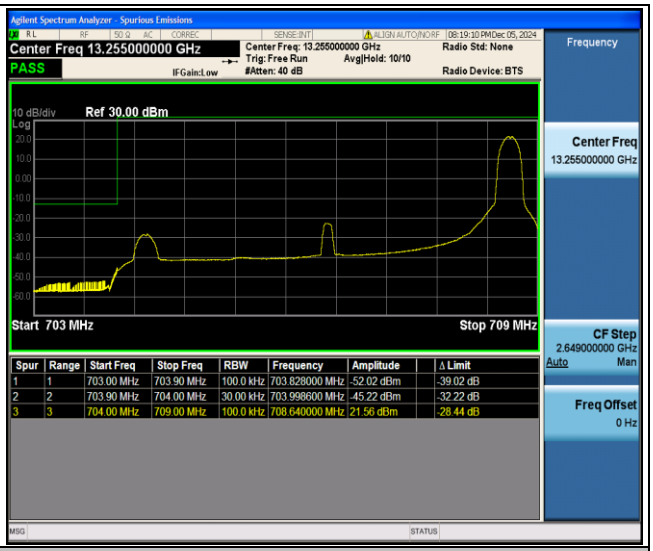
Band Edge

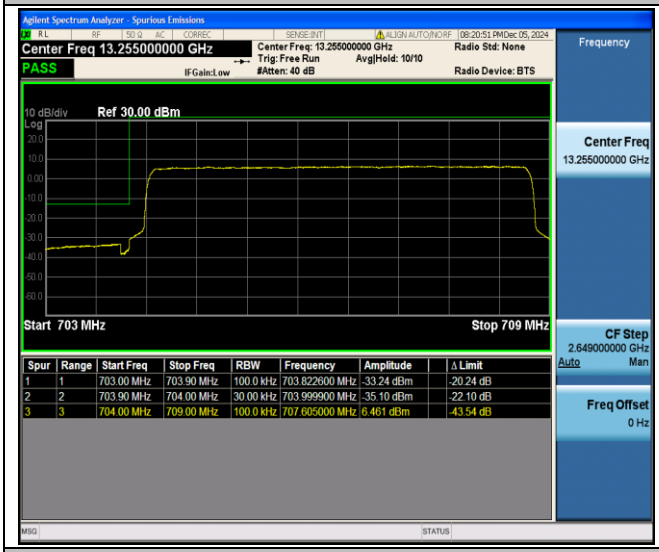
Test Graphs



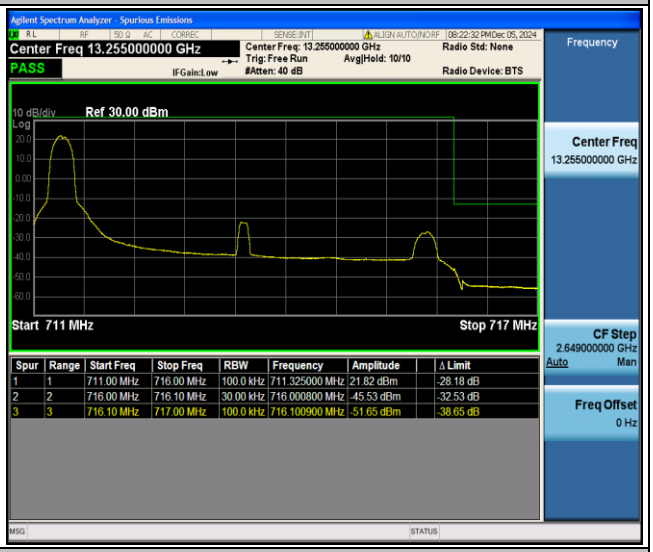
Band17-5MHz-QPSK-23755-1RB#0-PASS



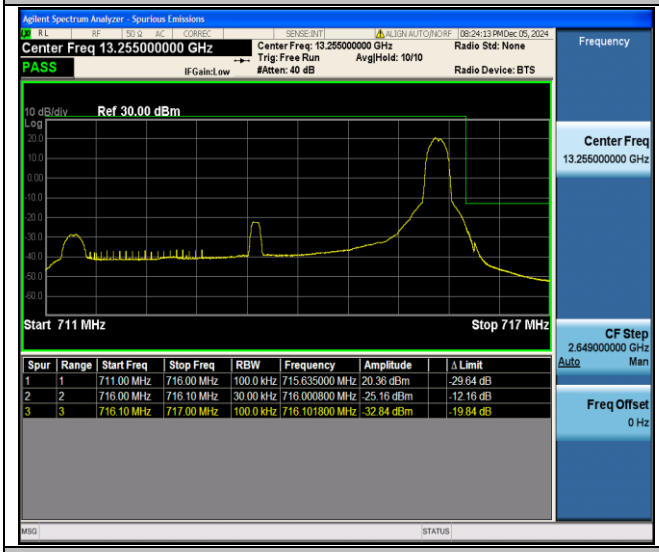
Band17-5MHz-QPSK-23755-1RB#24-PASS



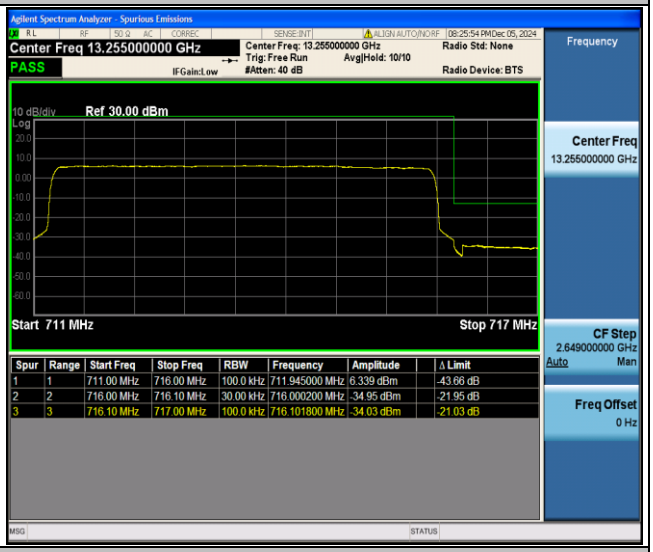
Band17-5MHz-QPSK-23755-25RB#0-PASS



Band17-5MHz-QPSK-23825-1RB#0-PASS



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



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

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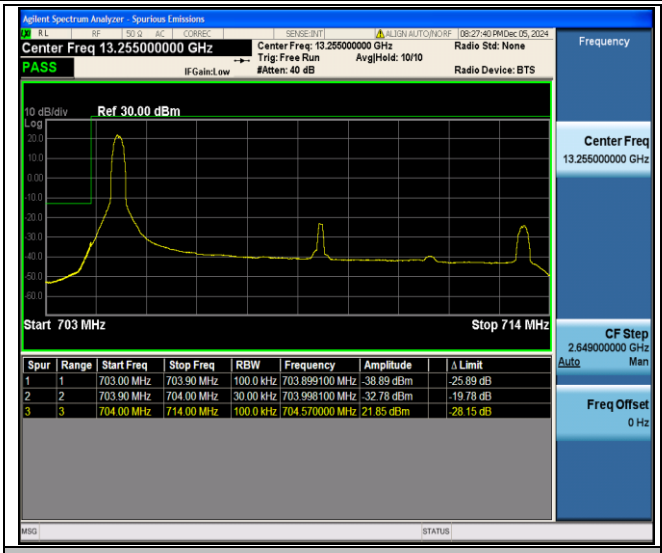
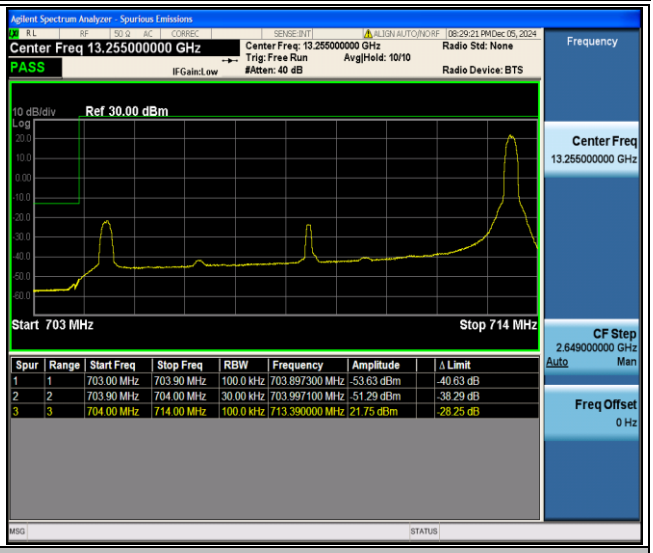
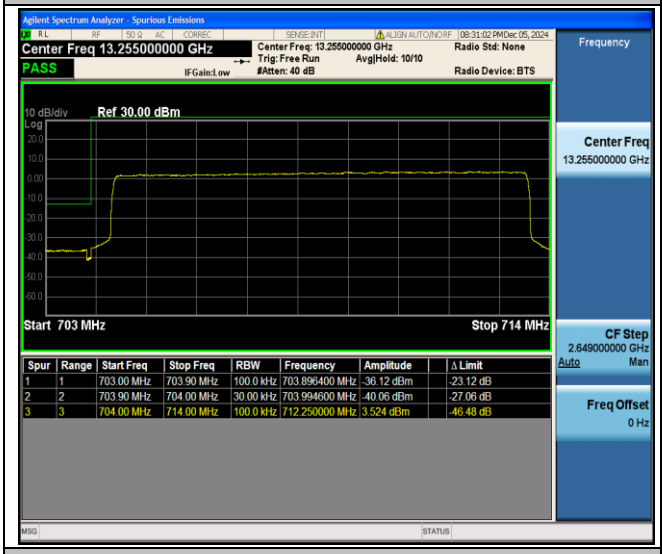


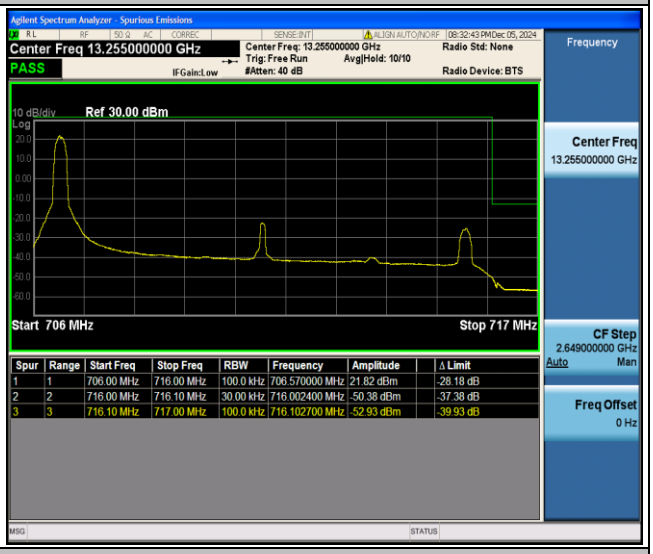
Band17-10MHz-QPSK-23780-1RB#0-PASS



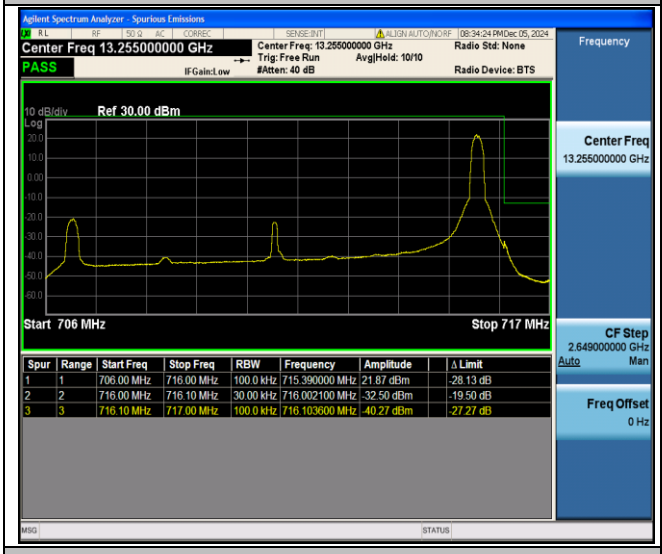
Band17-10MHz-QPSK-23780-1RB#49-PASS



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



Band17-10MHz-QPSK-23800-1RB#0-PASS



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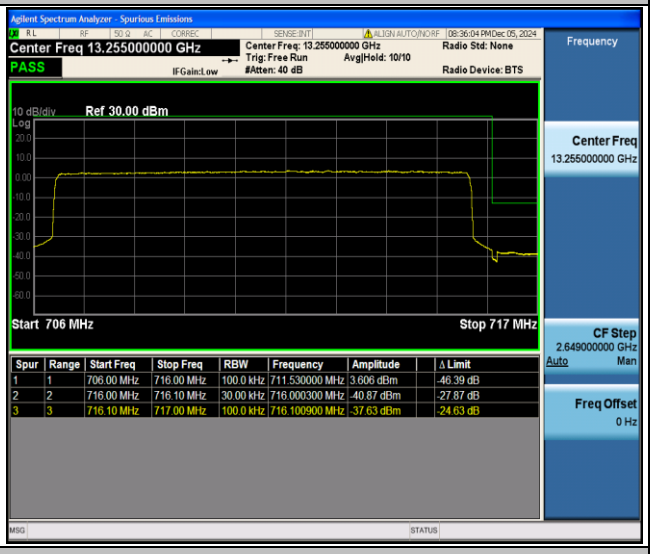

Band17-10MHz-QPSK-23800-50RB#0-PASS

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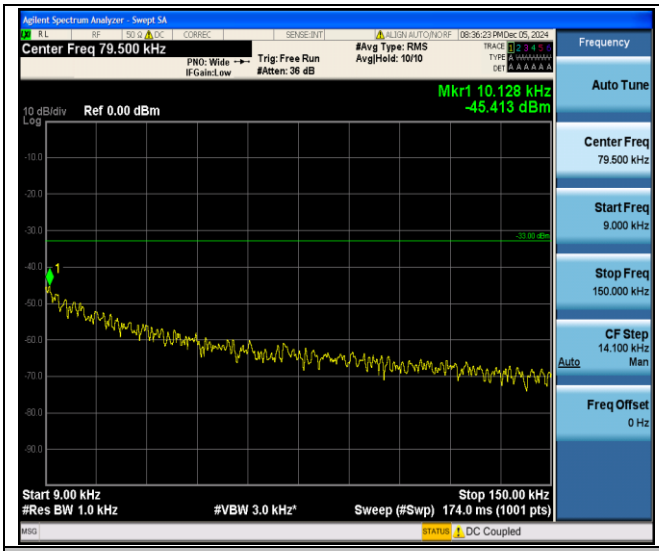
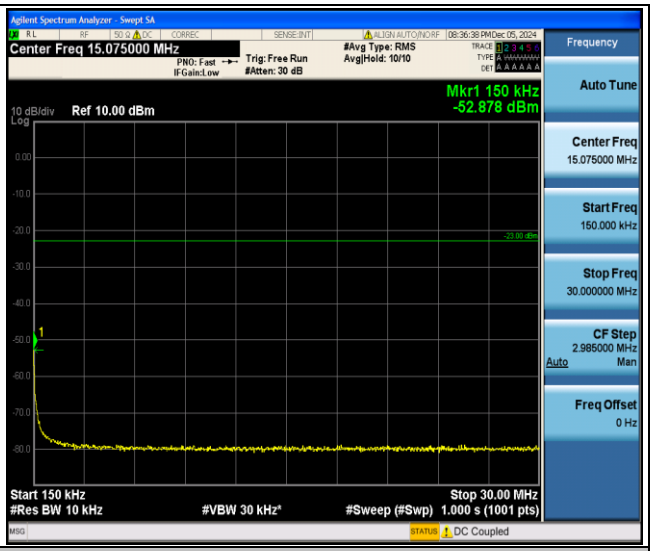
Conducted Spurious Emission

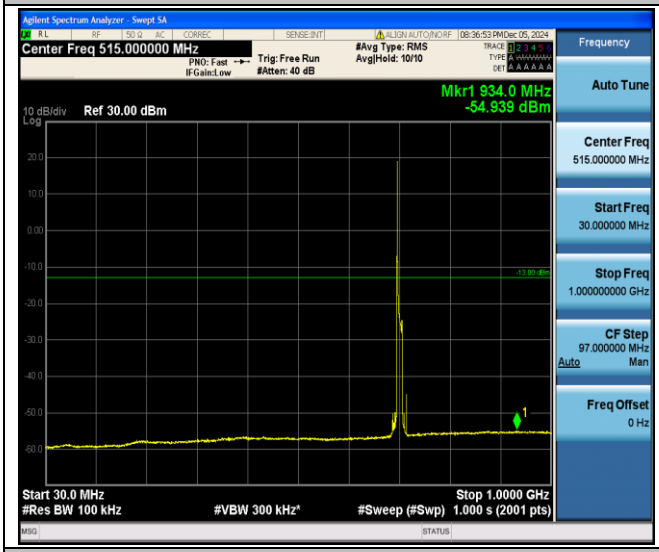
Test Graphs



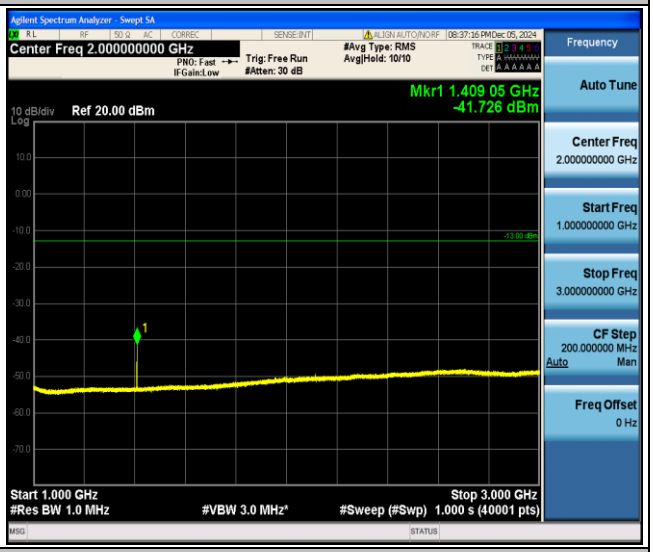
Band17-10MHz-QPSK-23780-1RB#0-0.009~0.15-PASS



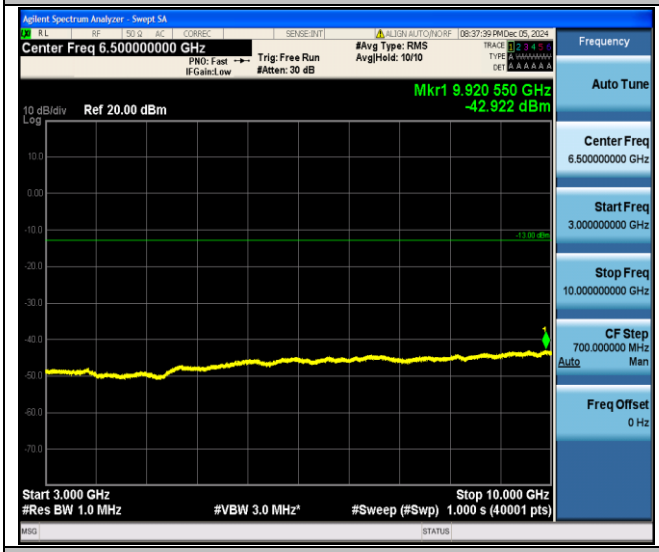
Band17-10MHz-QPSK-23780-1RB#0-0.15~30-PASS



Band17-10MHz-QPSK-23780-1RB#0-30~1000-PASS



Band17-10MHz-QPSK-23780-1RB#0-1000~3000-PASS



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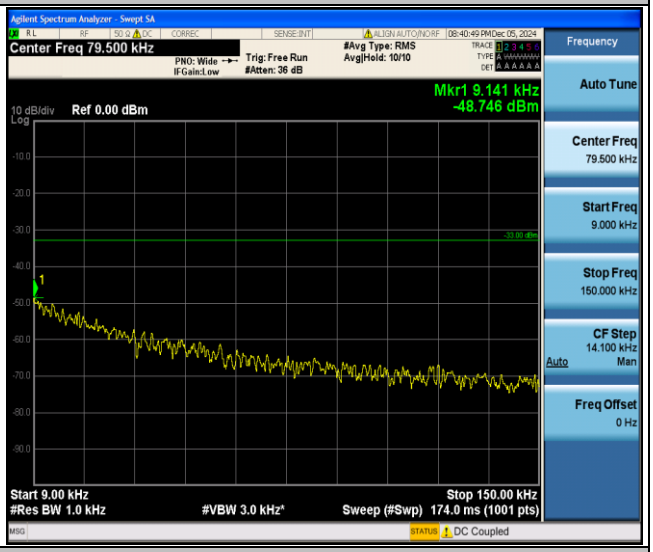

Band17-10MHz-QPSK-23790-1RB#0-0.009~0.15-PASS

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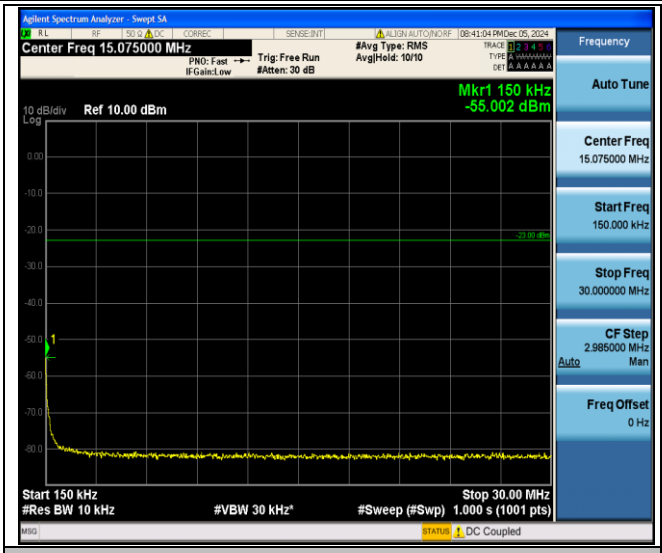

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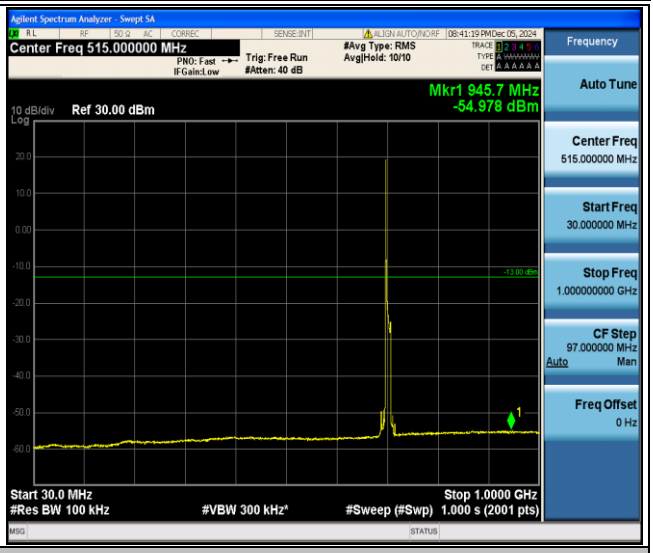
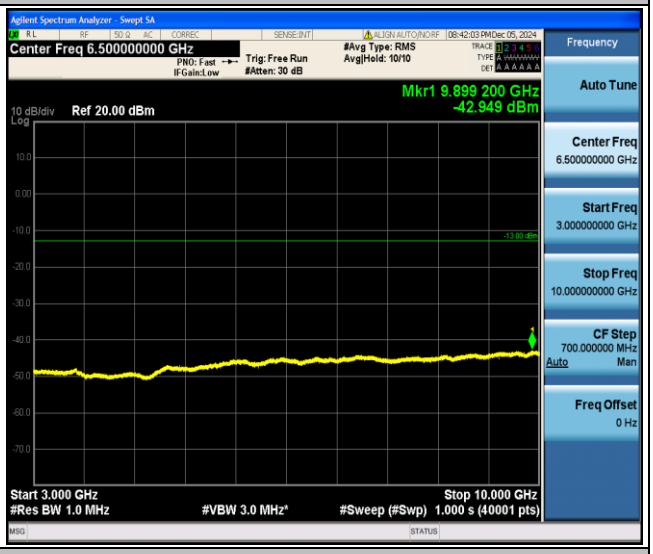
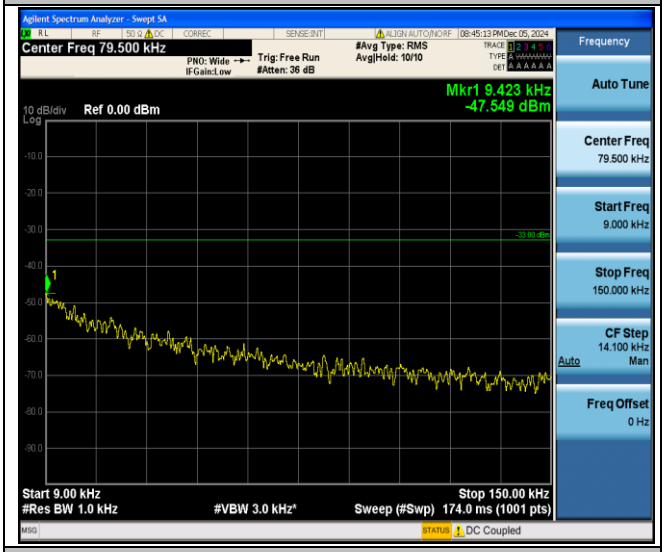


Band17-10MHz-QPSK-23790-1RB#0-30~1000-PASS

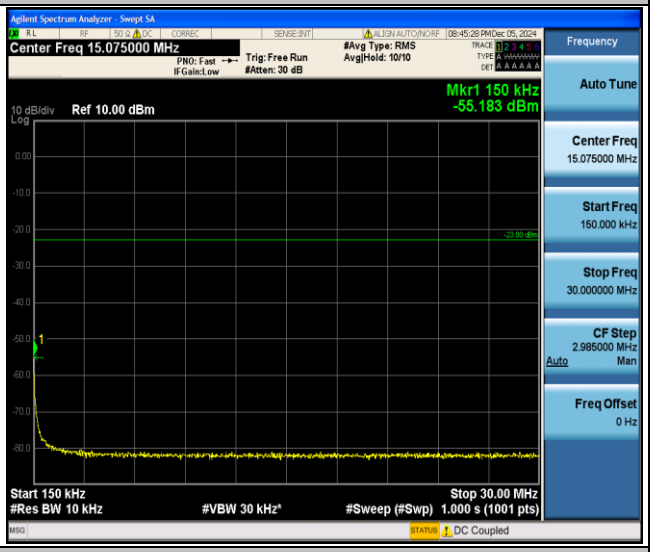
Band17-10MHz-QPSK-23790-1RB#0-1000~3000-PASS



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

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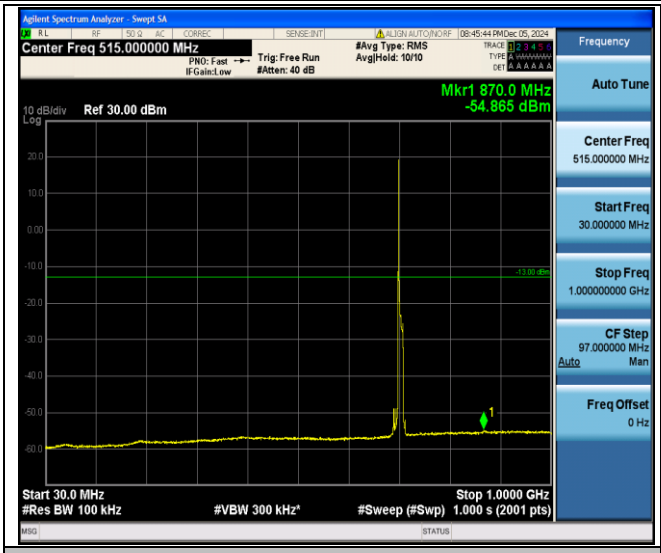
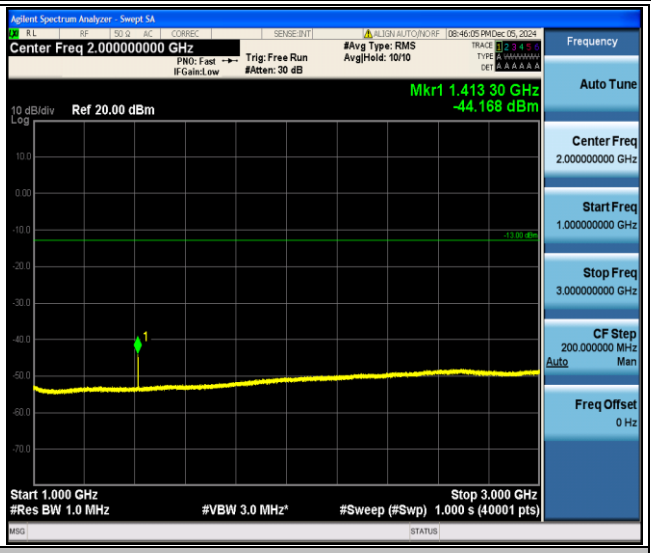
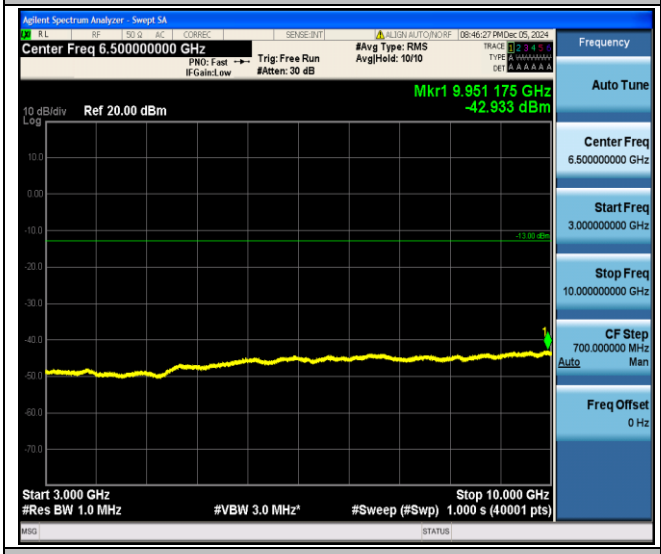


Band17-10MHz-QPSK-23800-1RB#0-30~1000-PASS



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



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

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Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	-12.80	-0.018028	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-4.60	-0.006479	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-3.50	-0.004930	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	-37.50	-0.052817	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-23.10	-0.032535	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	-8.50	-0.011972	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	-38.00	-0.053521	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-19.90	-0.028028	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-7.10	-0.010000	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	-39.30	-0.055352	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	-16.80	-0.023662	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	-40.20	-0.056620	PASS

~The End~

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