Appendix-A 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	23.11	20.46	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.34	20.69	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.29	20.64	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.47	19.82	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.18	19.53	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.19	19.54	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.51	19.86	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.45	18.8	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.37	20.72	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.49	20.84	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.26	20.61	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.53	19.88	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.48	19.83	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.5	19.85	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.44	19.79	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.42	18.77	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.42	20.77	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.74	21.09	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.43	20.78	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.55	19.9	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.54	19.89	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.62	19.97	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.46	19.81	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.58	18.93	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.53	20.88	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.41	20.76	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.55	20.9	34.77	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.58	19.93	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.52	19.87	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.27	19.62	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.17	19.52	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.64	18.99	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.49	20.84	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.5	20.85	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.52	20.87	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.56	19.91	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.63	19.98	34.77	PASS

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Band17	10MHz	16QAM	23790	1RB#24	22.44	19.79	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.43	19.78	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.49	18.84	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.29	20.64	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.64	20.99	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.5	20.85	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.56	19.91	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.51	19.86	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	22.37	19.72	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.47	19.82	34.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.42	18.77	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	6.44	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.68	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.43	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.58	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.35	13	PASS

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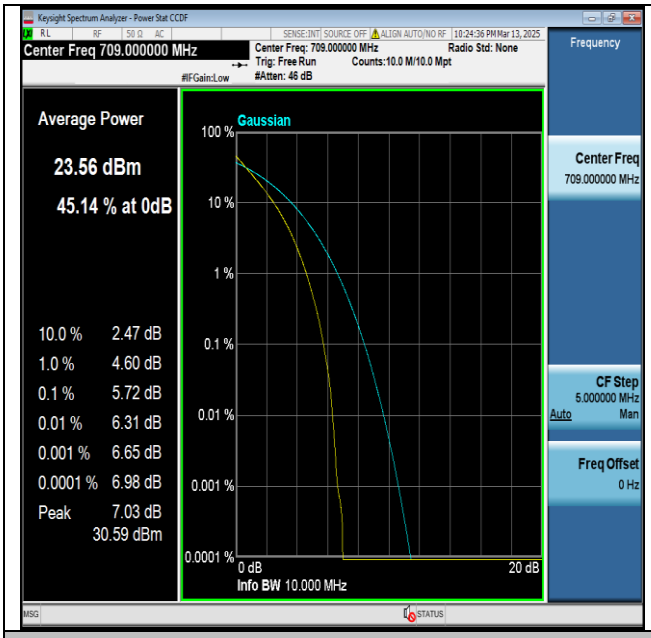
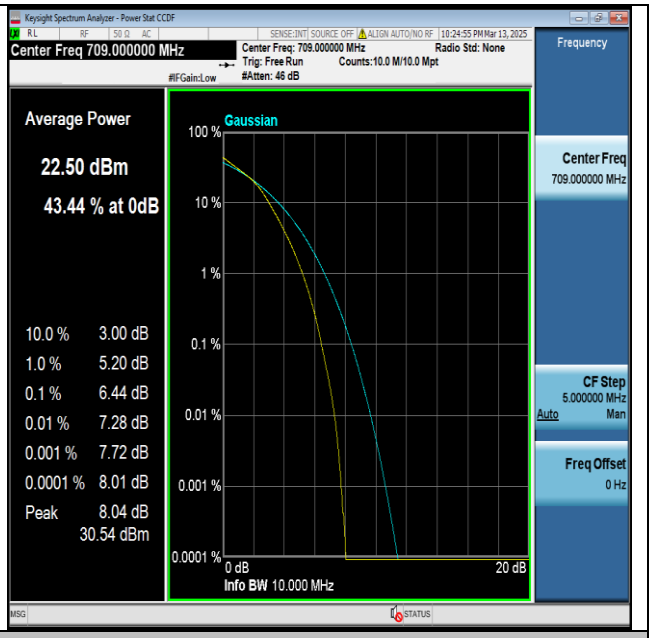
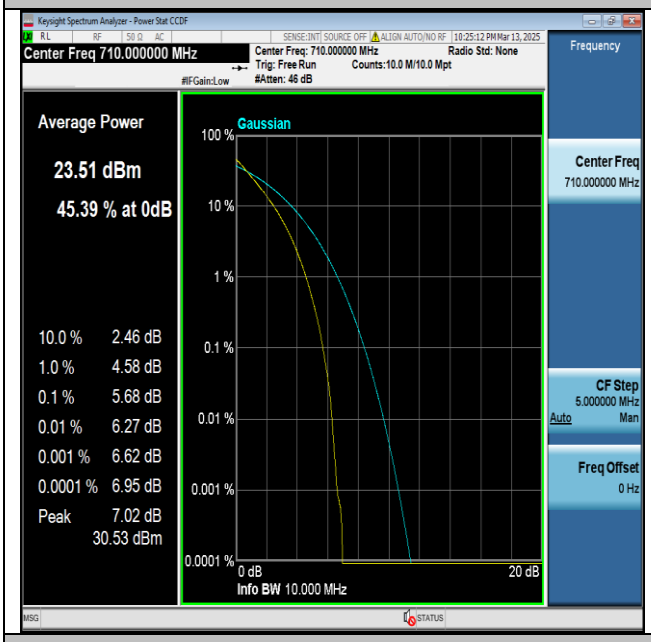
Test Graphs



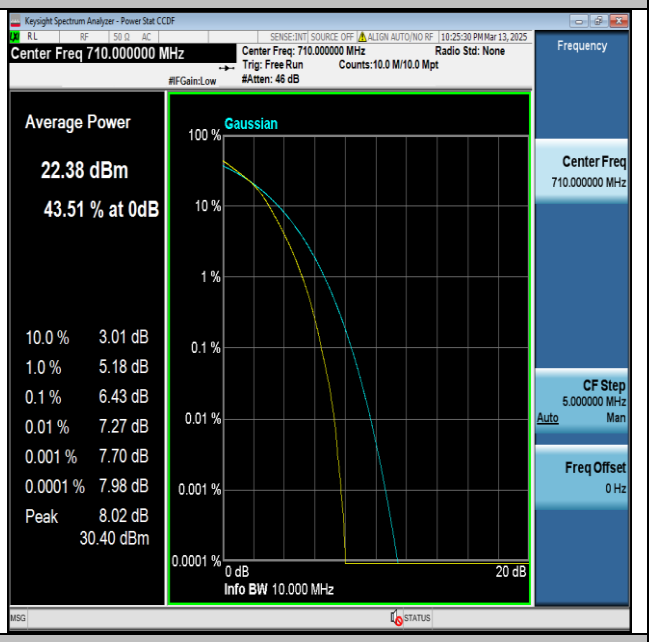
Band17-10MHz-QPSK-23780-50RB#0-PASS



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



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



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

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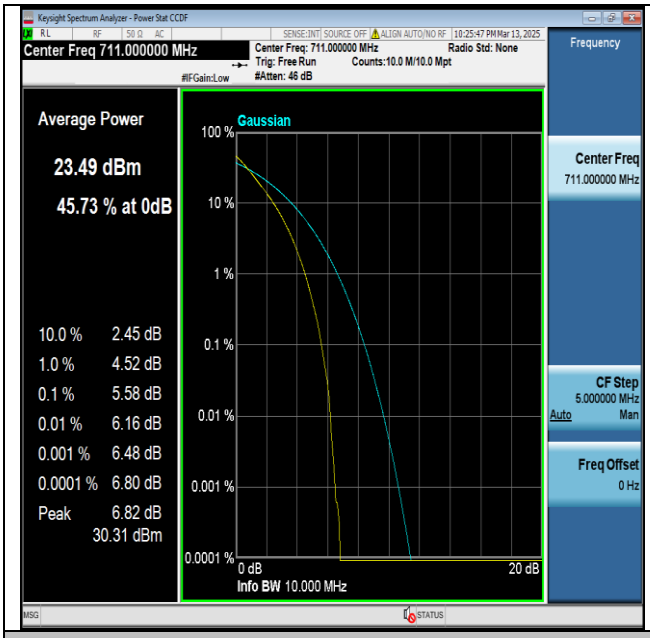
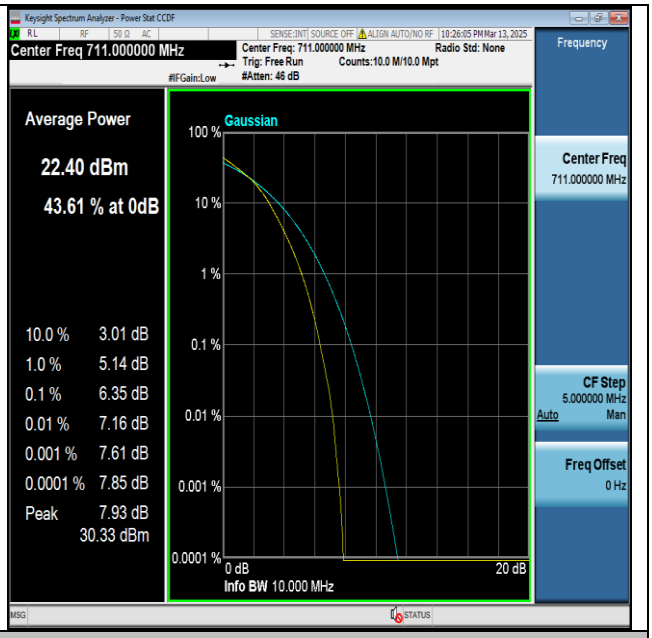


Band17-10MHz-QPSK-23800-50RB#0-PASS



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	4.4873	4.974	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.4825	4.995	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.4833	4.964	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.4775	4.964	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.4784	4.969	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.4693	4.958	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9749	9.791	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9609	9.783	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9863	9.791	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9420	9.782	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9370	9.741	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9412	9.705	PASS

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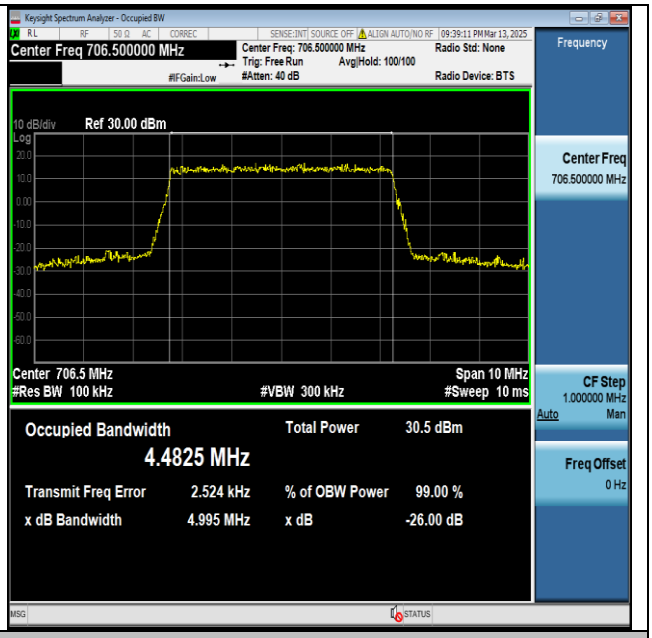
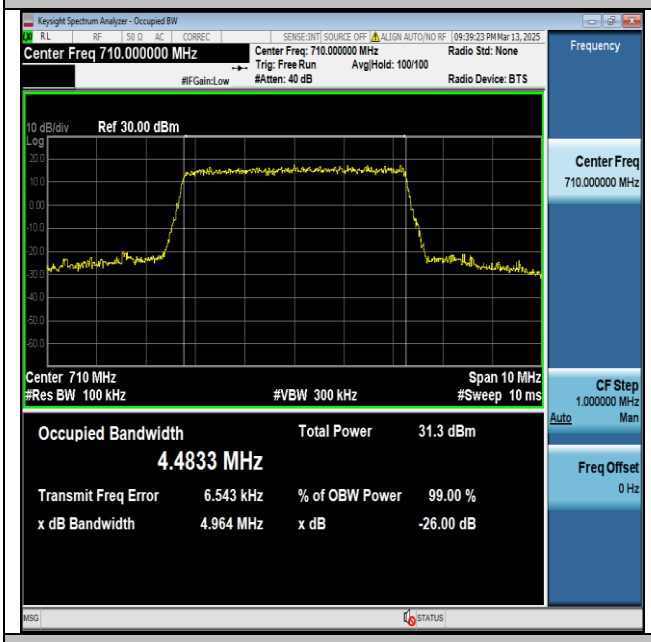
Test Graphs

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



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



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

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

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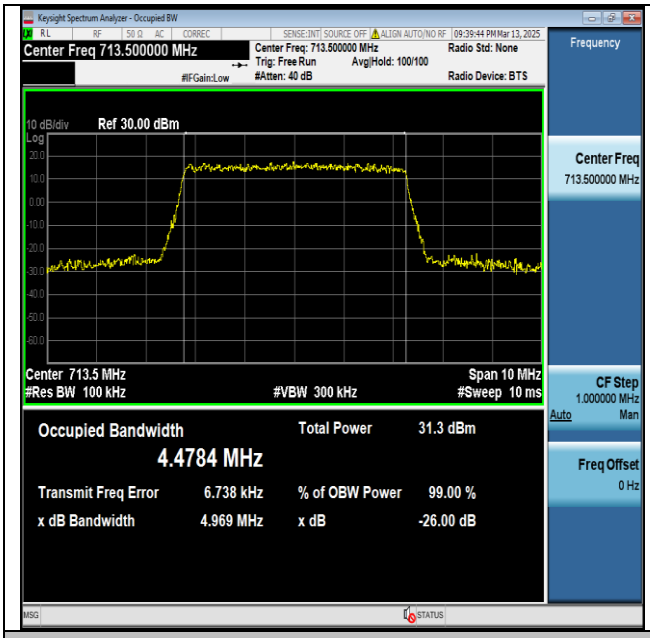
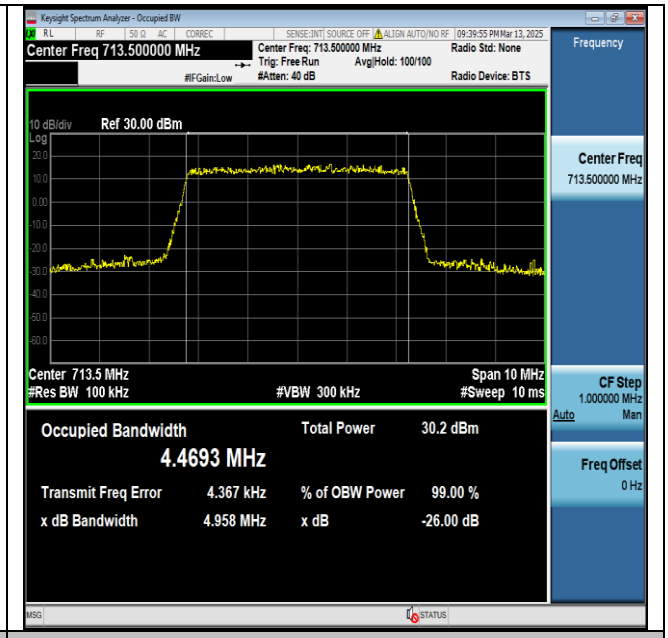
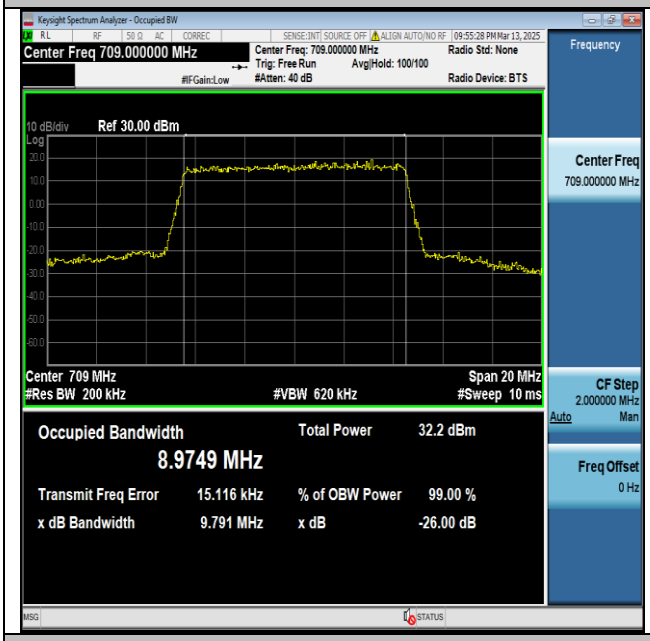


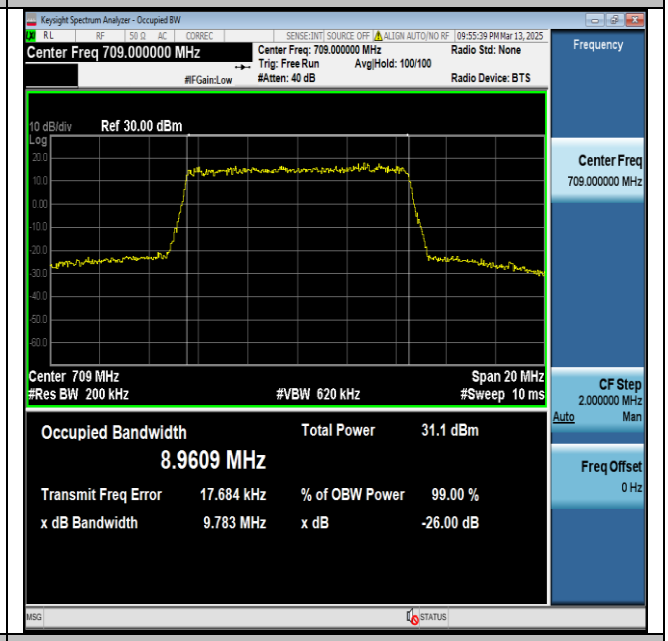
Band17-5MHz-QPSK-23825-25RB#0-PASS



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



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



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

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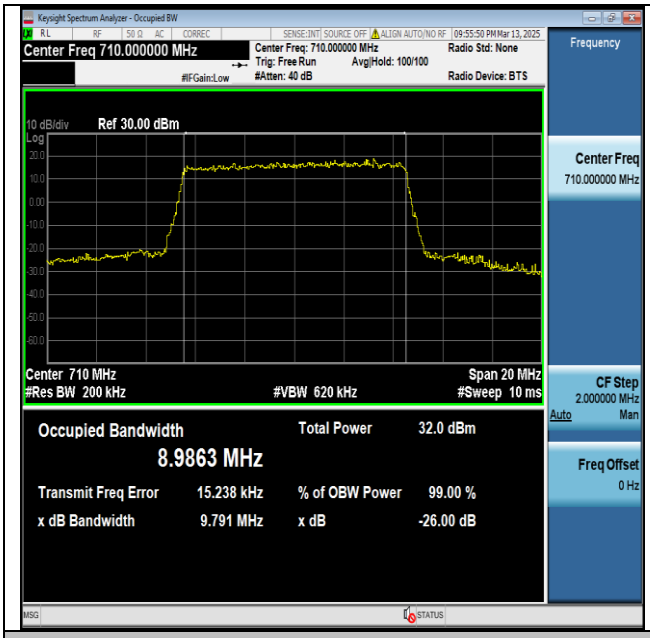
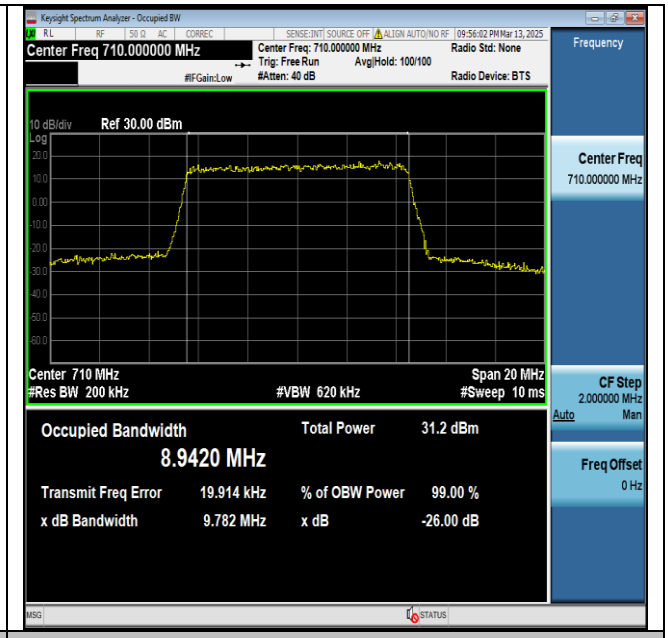
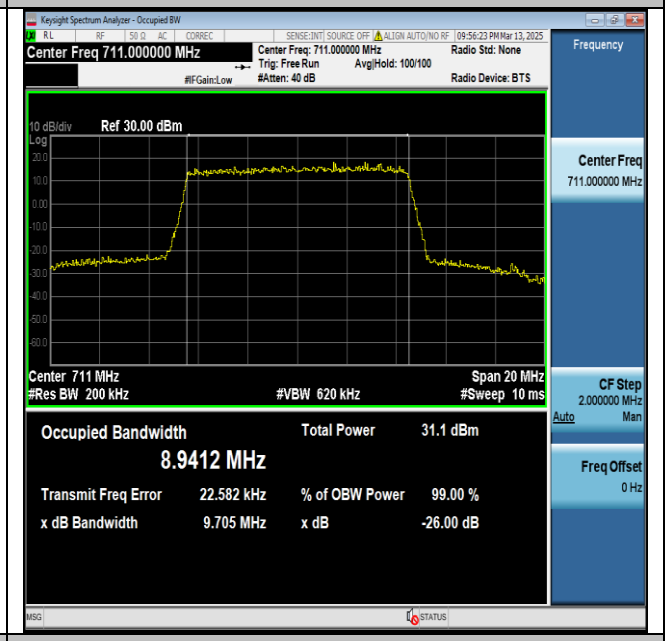


Band17-10MHz-QPSK-23790-50RB#0-PASS



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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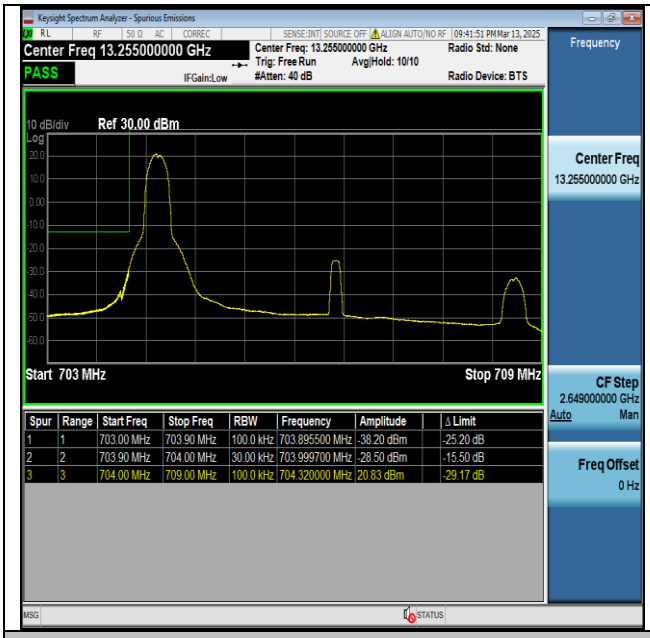
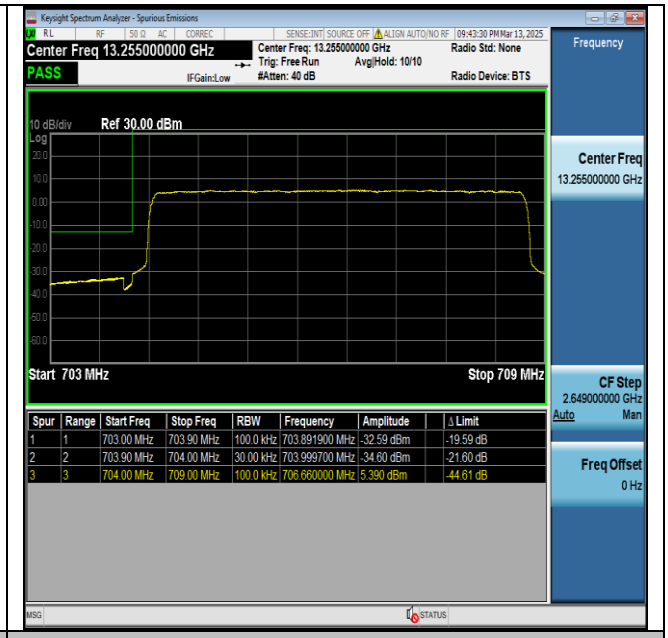
Band Edge

Test Graphs



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



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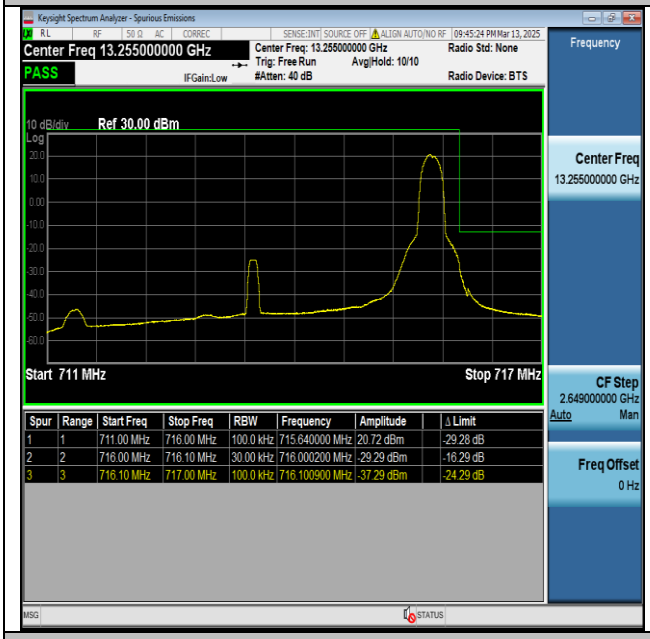
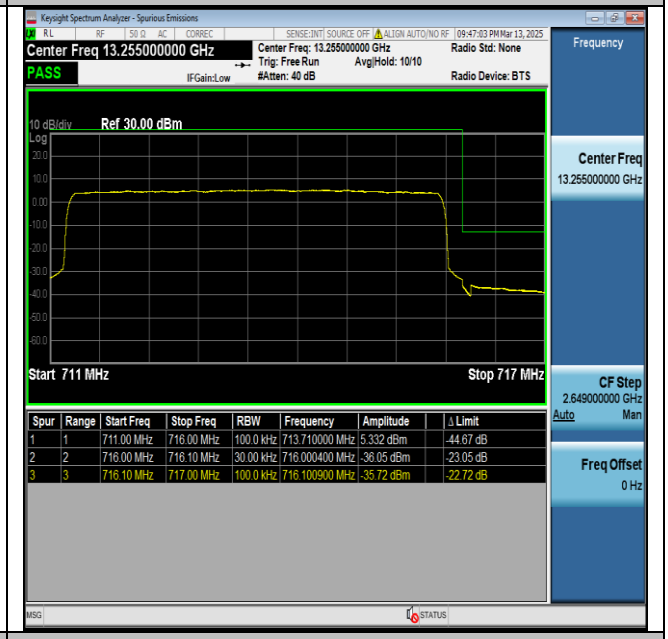


Band17-5MHz-QPSK-23825-1RB#24-PASS



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

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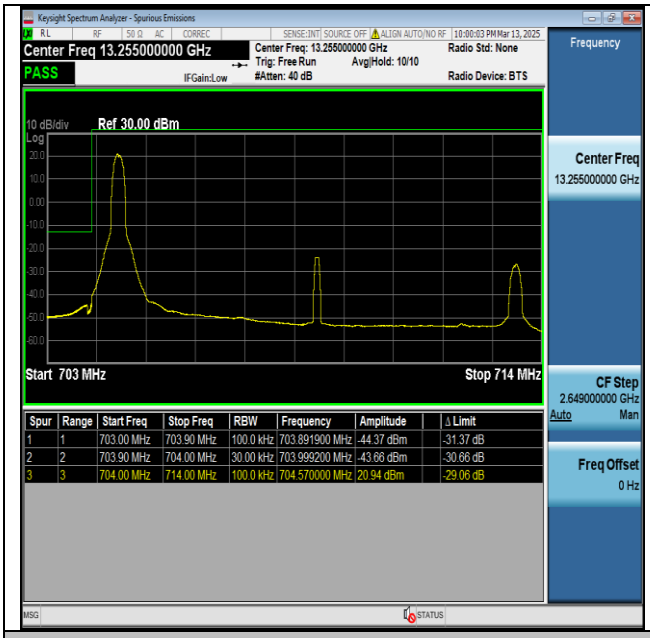

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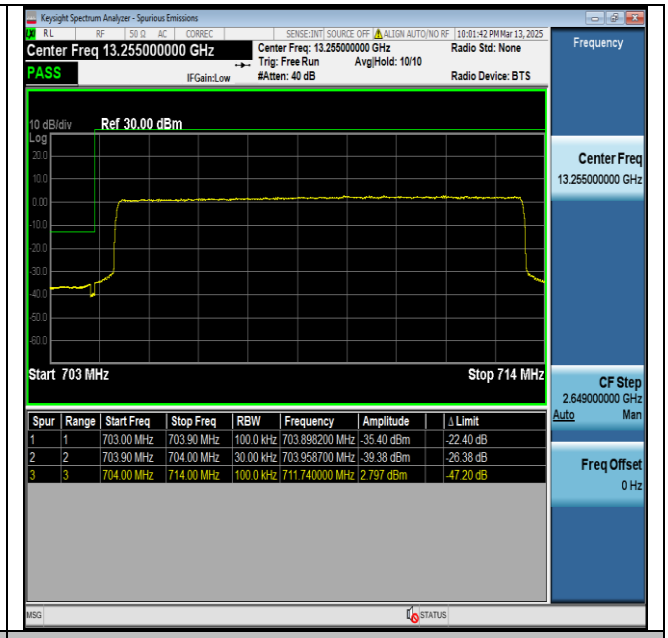
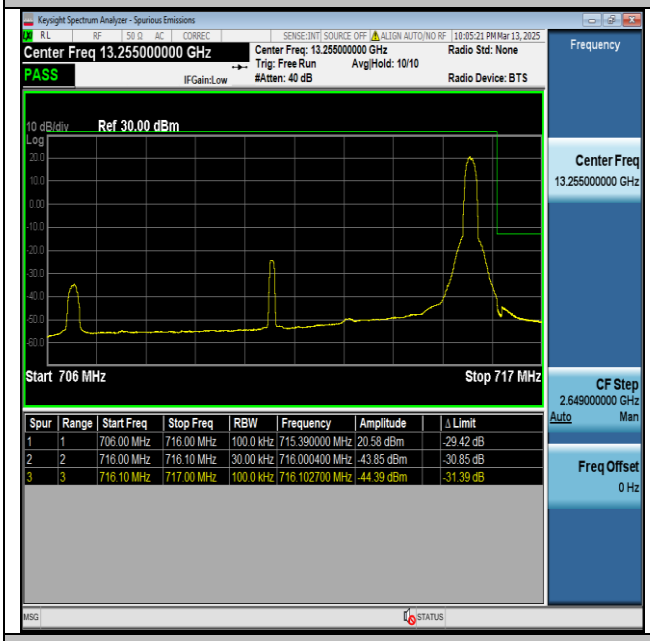
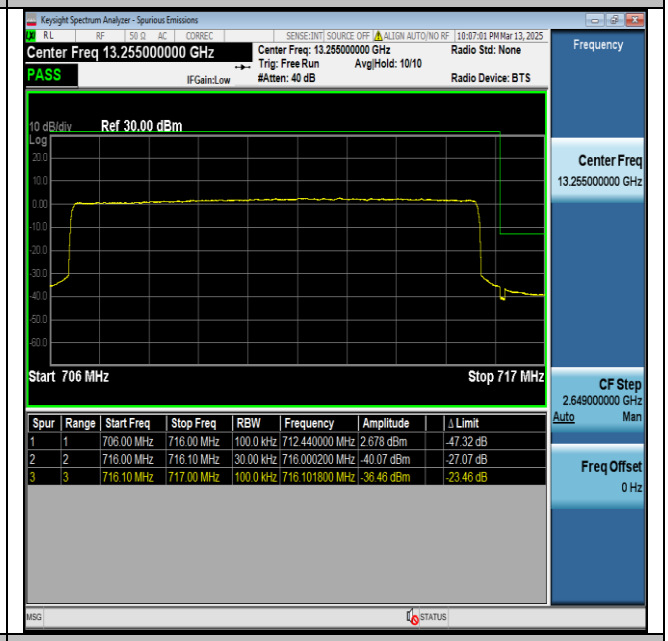


Band17-10MHz-QPSK-23780-50RB#0-PASS



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



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

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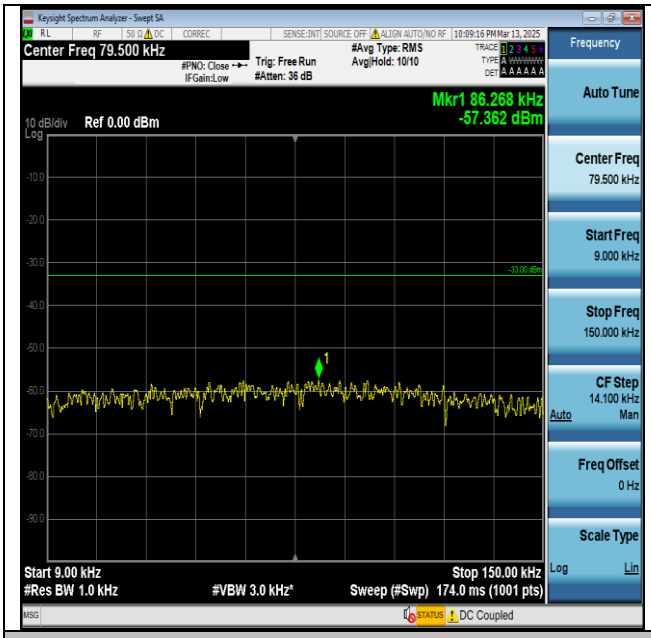
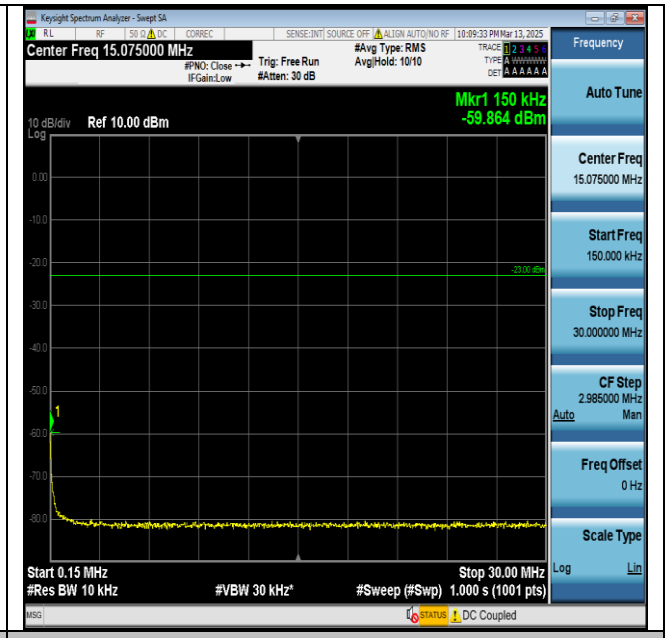
Conducted Spurious Emission

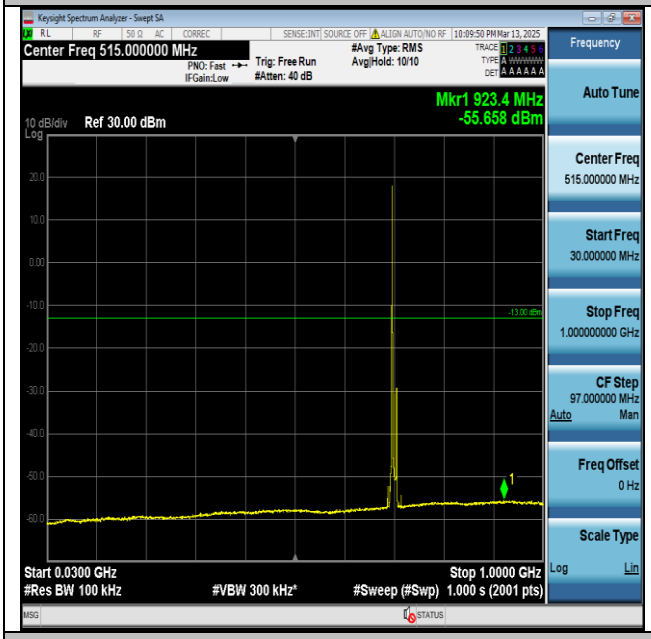
Test Graphs



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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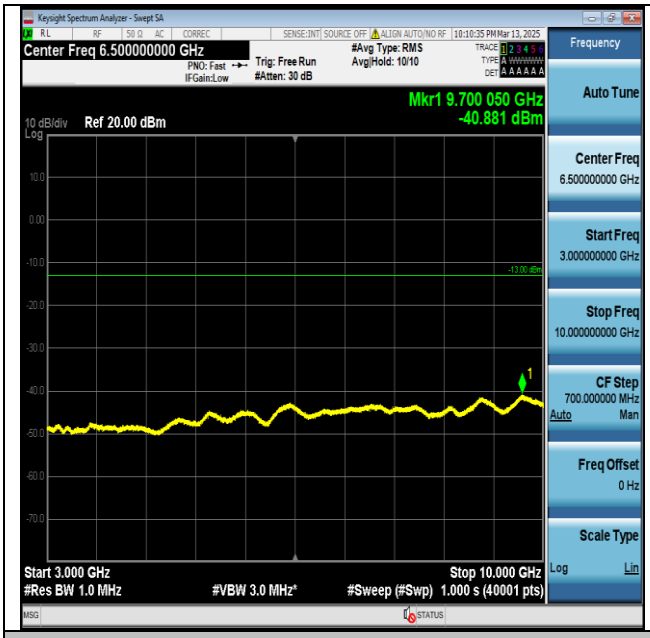

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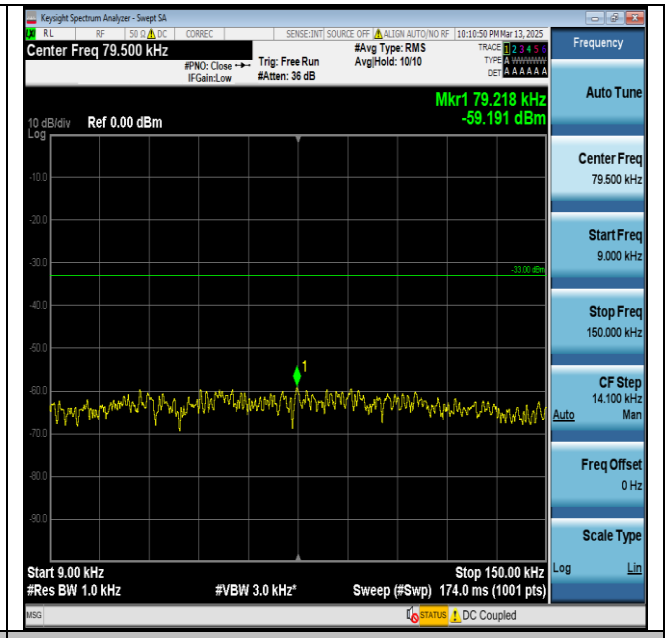
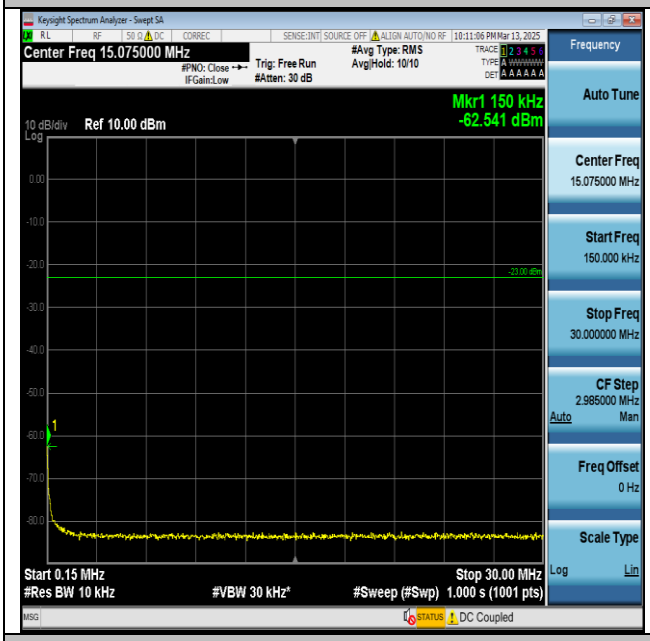
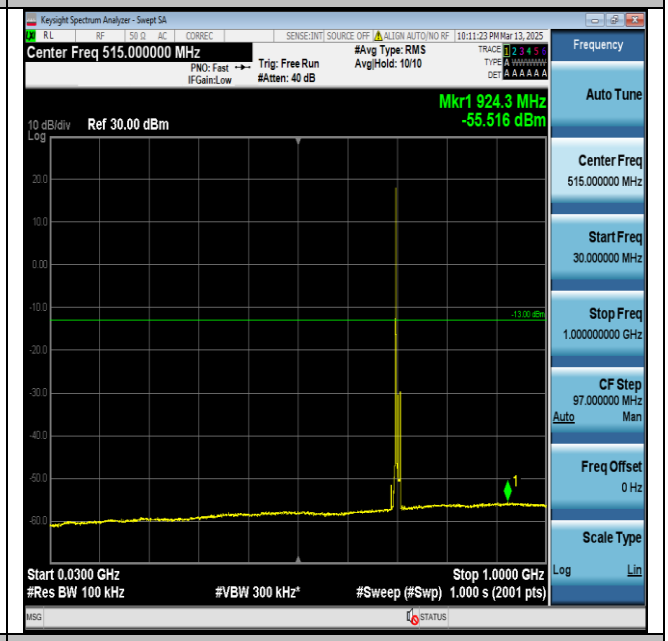


Band17-10MHz-QPSK-23790-1RB#0-0.009~0.15-PASS



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



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

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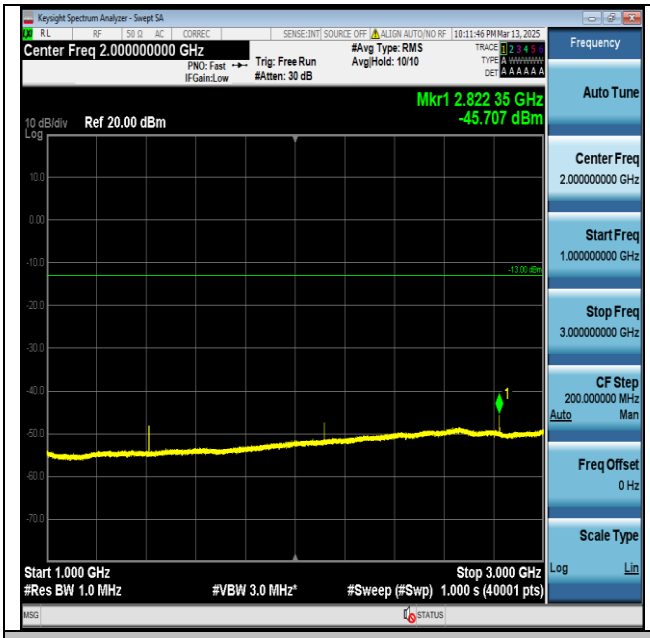
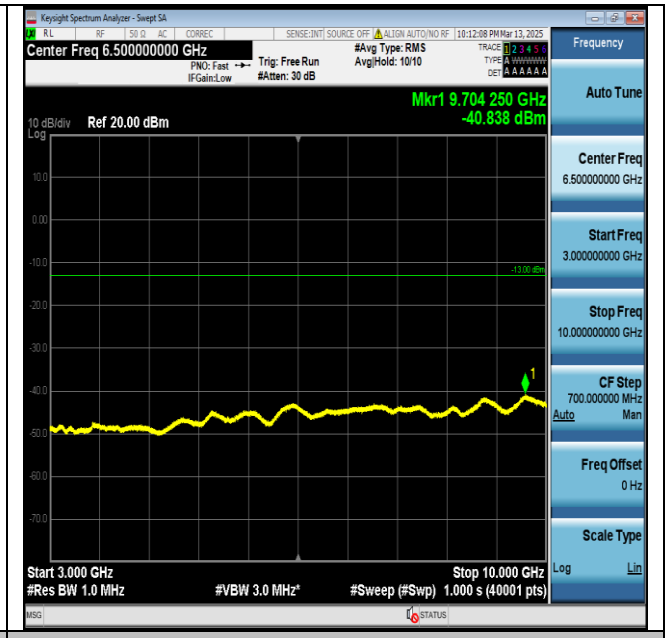
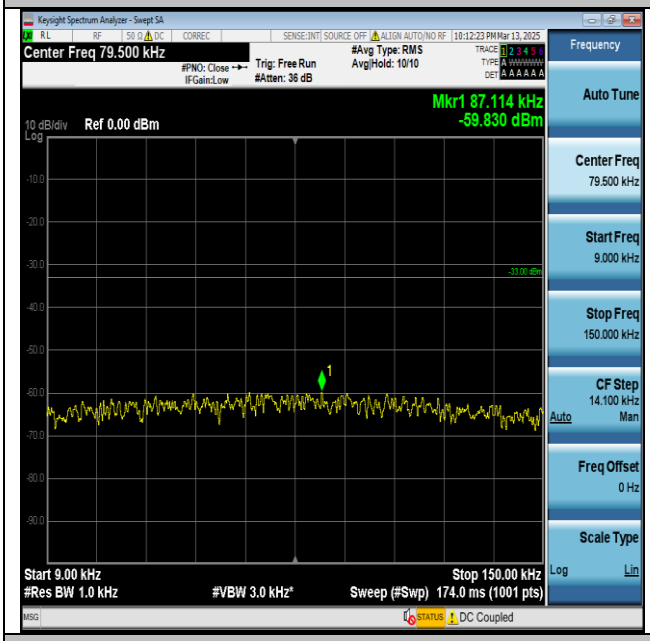


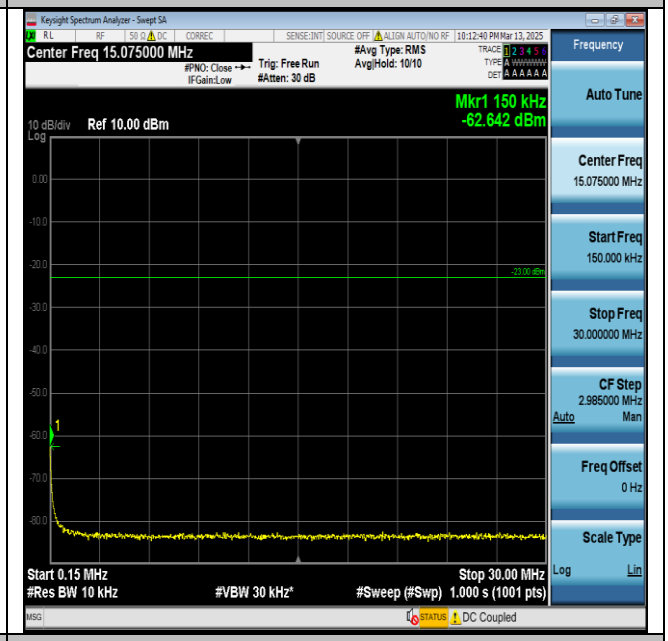
Band17-10MHz-QPSK-23790-1RB#0-1000~3000-PASS



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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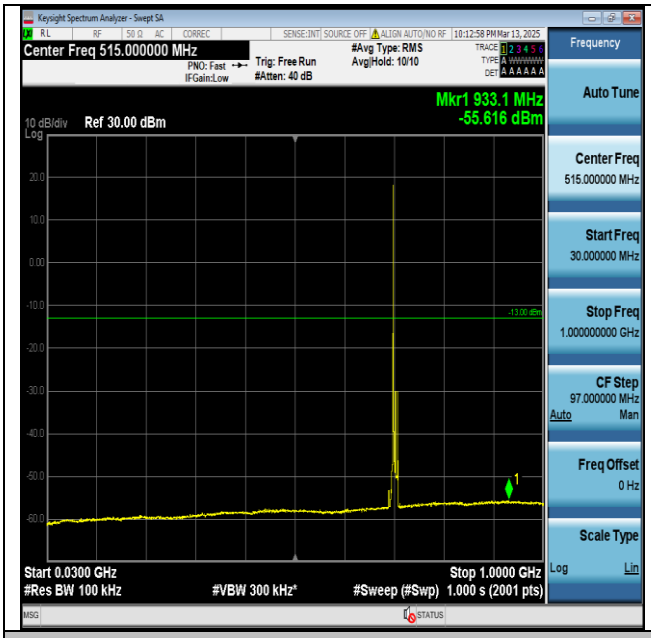
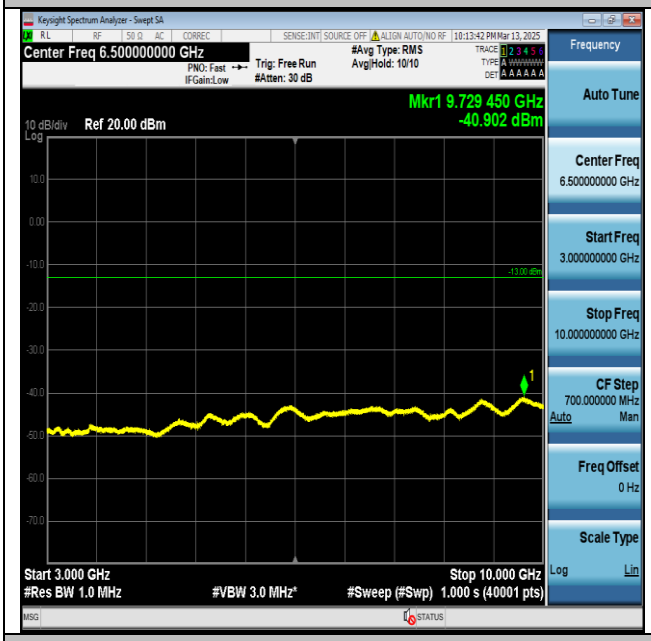


Band17-10MHz-QPSK-23800-1RB#0-30~1000-PASS

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	0.50	0.000704	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	1.60	0.002254	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	1.40	0.001972	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	1.10	0.001549	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	1.10	0.001549	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	-0.10	-0.000141	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	-0.60	-0.000845	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-0.50	-0.000704	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	1.30	0.001831	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	-1.00	-0.001408	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	1.00	0.001408	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	1.10	0.001549	PASS

~The End~

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