Appendix-A LTE Band 26(814-824)

Transmitter Conducted Output Power

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Limit (dBm)	Verdict
26(814-824)	1.4MHz	QPSK	26697	1RB#0	23.41	50	PASS
26(814-824)	1.4MHz	QPSK	26697	1RB#2	23.68	50	PASS
26(814-824)	1.4MHz	QPSK	26697	1RB#5	23.68	50	PASS
26(814-824)	1.4MHz	QPSK	26697	6RB#0	22.74	50	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#0	22.57	50	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#2	22.83	50	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#5	22.53	50	PASS
26(814-824)	1.4MHz	16QAM	26697	6RB#0	21.90	50	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#0	23.90	50	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#2	23.97	50	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#5	23.75	50	PASS
26(814-824)	1.4MHz	QPSK	26740	6RB#0	23.04	50	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#0	22.51	50	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#2	22.53	50	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#5	22.83	50	PASS
26(814-824)	1.4MHz	16QAM	26740	6RB#0	22.14	50	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#0	23.87	50	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#2	23.90	50	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#5	23.79	50	PASS
26(814-824)	1.4MHz	QPSK	26783	6RB#0	23.02	50	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#0	22.79	50	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#2	22.99	50	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#5	22.66	50	PASS
26(814-824)	1.4MHz	16QAM	26783	6RB#0	21.89	50	PASS
26(814-824)	3MHz	QPSK	26705	1RB#0	23.50	50	PASS
26(814-824)	3MHz	QPSK	26705	1RB#8	23.63	50	PASS
26(814-824)	3MHz	QPSK	26705	1RB#14	23.61	50	PASS
26(814-824)	3MHz	QPSK	26705	15RB#0	22.90	50	PASS
26(814-824)	3MHz	16QAM	26705	1RB#0	22.42	50	PASS
26(814-824)	3MHz	16QAM	26705	1RB#8	22.76	50	PASS
26(814-824)	3MHz	16QAM	26705	1RB#14	22.44	50	PASS
26(814-824)	3MHz	16QAM	26705	15RB#0	21.77	50	PASS
26(814-824)	3MHz	QPSK	26740	1RB#0	24.75	50	PASS
26(814-824)	3MHz	QPSK	26740	1RB#8	24.00	50	PASS
26(814-824)	3MHz	QPSK	26740	1RB#14	23.81	50	PASS
26(814-824)	3MHz	QPSK	26740	15RB#0	23.01	50	PASS
26(814-824)	3MHz	16QAM	26740	1RB#0	22.77	50	PASS

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26(814-824)	3MHz	16QAM	26740	1RB#8	22.95	50	PASS
26(814-824)	3MHz	16QAM	26740	1RB#14	23.04	50	PASS
26(814-824)	3MHz	16QAM	26740	15RB#0	22.06	50	PASS
26(814-824)	3MHz	QPSK	26775	1RB#0	23.83	50	PASS
26(814-824)	3MHz	QPSK	26775	1RB#8	23.93	50	PASS
26(814-824)	3MHz	QPSK	26775	1RB#14	23.81	50	PASS
26(814-824)	3MHz	QPSK	26775	15RB#0	23.00	50	PASS
26(814-824)	3MHz	16QAM	26775	1RB#0	23.02	50	PASS
26(814-824)	3MHz	16QAM	26775	1RB#8	22.65	50	PASS
26(814-824)	3MHz	16QAM	26775	1RB#14	22.40	50	PASS
26(814-824)	3MHz	16QAM	26775	15RB#0	21.83	50	PASS
26(814-824)	5MHz	QPSK	26715	1RB#0	23.57	50	PASS
26(814-824)	5MHz	QPSK	26715	1RB#12	23.78	50	PASS
26(814-824)	5MHz	QPSK	26715	1RB#24	23.35	50	PASS
26(814-824)	5MHz	QPSK	26715	25RB#0	22.92	50	PASS
26(814-824)	5MHz	16QAM	26715	1RB#0	22.24	50	PASS
26(814-824)	5MHz	16QAM	26715	1RB#12	22.82	50	PASS
26(814-824)	5MHz	16QAM	26715	1RB#24	22.75	50	PASS
26(814-824)	5MHz	16QAM	26715	25RB#0	21.79	50	PASS
26(814-824)	5MHz	QPSK	26740	1RB#0	23.97	50	PASS
26(814-824)	5MHz	QPSK	26740	1RB#12	24.08	50	PASS
26(814-824)	5MHz	QPSK	26740	1RB#24	23.39	50	PASS
26(814-824)	5MHz	QPSK	26740	25RB#0	22.95	50	PASS
26(814-824)	5MHz	16QAM	26740	1RB#0	22.72	50	PASS
26(814-824)	5MHz	16QAM	26740	1RB#12	22.62	50	PASS
26(814-824)	5MHz	16QAM	26740	1RB#24	22.94	50	PASS
26(814-824)	5MHz	16QAM	26740	25RB#0	21.94	50	PASS
26(814-824)	5MHz	QPSK	26765	1RB#0	23.39	50	PASS
26(814-824)	5MHz	QPSK	26765	1RB#12	23.84	50	PASS
26(814-824)	5MHz	QPSK	26765	1RB#24	24.36	50	PASS
26(814-824)	5MHz	QPSK	26765	25RB#0	22.96	50	PASS
26(814-824)	5MHz	16QAM	26765	1RB#0	22.96	50	PASS
26(814-824)	5MHz	16QAM	26765	1RB#12	22.99	50	PASS
26(814-824)	5MHz	16QAM	26765	1RB#24	22.82	50	PASS
26(814-824)	5MHz	16QAM	26765	25RB#0	22.04	50	PASS
26(814-824)	10MHz	QPSK	26740	1RB#0	23.55	50	PASS
26(814-824)	10MHz	QPSK	26740	1RB#24	24.07	50	PASS
26(814-824)	10MHz	QPSK	26740	1RB#49	23.54	50	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	22.95	50	PASS
26(814-824)	10MHz	16QAM	26740	1RB#0	22.88	50	PASS
26(814-824)	10MHz	16QAM	26740	1RB#24	22.88	50	PASS
26(814-824)	10MHz	16QAM	26740	1RB#49	22.48	50	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	21.81	50	PASS

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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
26(814-824)	10MHz	QPSK	26740	50RB#0	5.24	13	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	6.14	13	PASS

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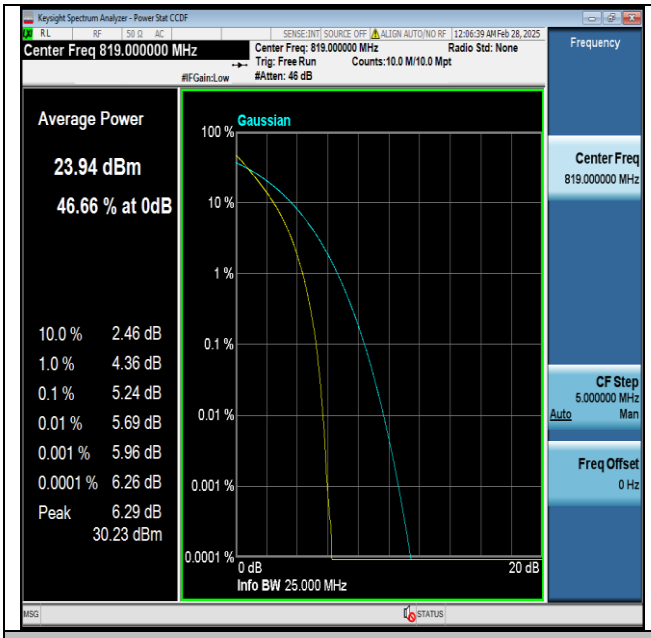
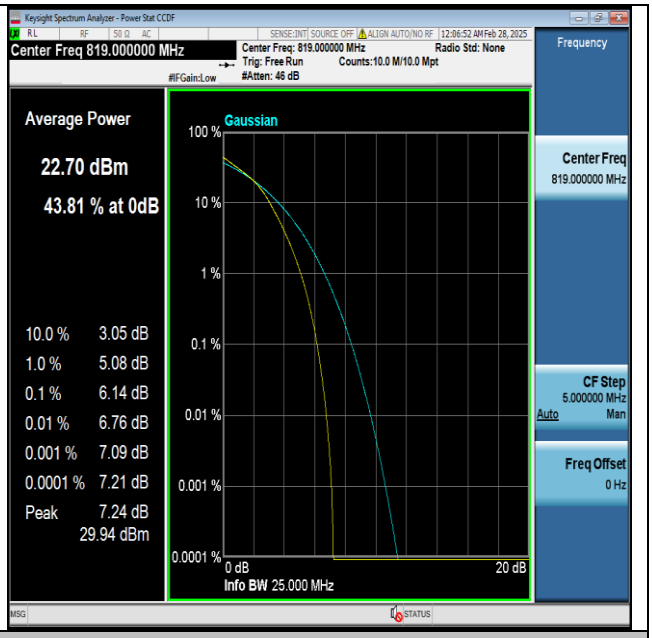
Test Graphs



26(814-824)-10MHz-QPSK-26740-50RB#0-PASS



26(814-824)-10MHz-16QAM-26740-50RB#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
26(814-824)	1.4MHz	QPSK	26697	6RB#0	1.0895	1.260	PASS
26(814-824)	1.4MHz	16QAM	26697	6RB#0	1.0949	1.278	PASS
26(814-824)	1.4MHz	QPSK	26740	6RB#0	1.0880	1.284	PASS
26(814-824)	1.4MHz	16QAM	26740	6RB#0	1.0967	1.301	PASS
26(814-824)	1.4MHz	QPSK	26783	6RB#0	1.0872	1.269	PASS
26(814-824)	1.4MHz	16QAM	26783	6RB#0	1.0979	1.291	PASS
26(814-824)	3MHz	QPSK	26705	15RB#0	2.6937	2.950	PASS
26(814-824)	3MHz	16QAM	26705	15RB#0	2.6873	2.968	PASS
26(814-824)	3MHz	QPSK	26740	15RB#0	2.7008	2.956	PASS
26(814-824)	3MHz	16QAM	26740	15RB#0	2.6831	2.962	PASS
26(814-824)	3MHz	QPSK	26775	15RB#0	2.6971	2.956	PASS
26(814-824)	3MHz	16QAM	26775	15RB#0	2.6927	2.971	PASS
26(814-824)	5MHz	QPSK	26715	25RB#0	4.4802	4.969	PASS
26(814-824)	5MHz	16QAM	26715	25RB#0	4.4867	5.024	PASS
26(814-824)	5MHz	QPSK	26740	25RB#0	4.4820	4.967	PASS
26(814-824)	5MHz	16QAM	26740	25RB#0	4.4882	5.003	PASS
26(814-824)	5MHz	QPSK	26765	25RB#0	4.4841	4.978	PASS
26(814-824)	5MHz	16QAM	26765	25RB#0	4.4900	5.013	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	8.9702	9.820	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	8.9379	9.733	PASS

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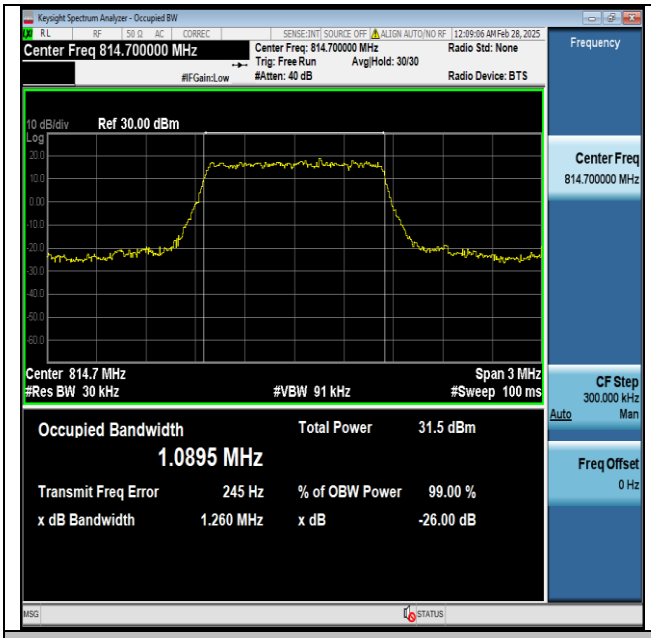
Test Graphs



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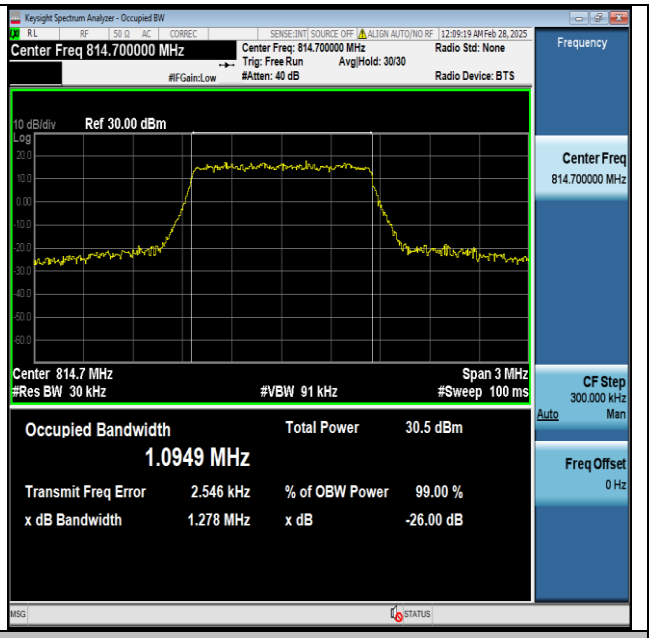

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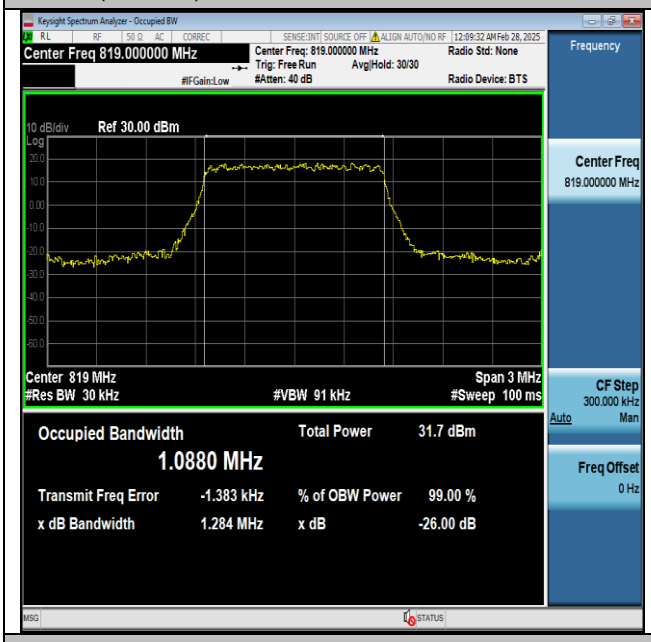

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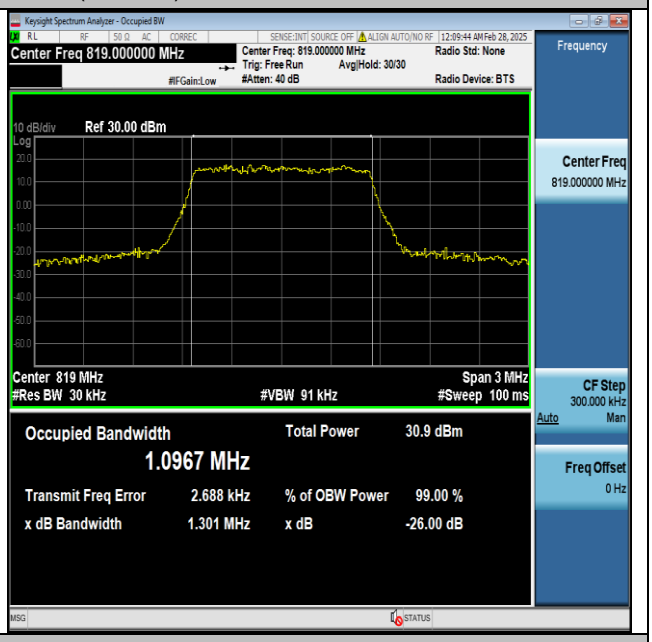

26(814-824)-1.4MHz-16QAM-26740-6RB#0-PASS

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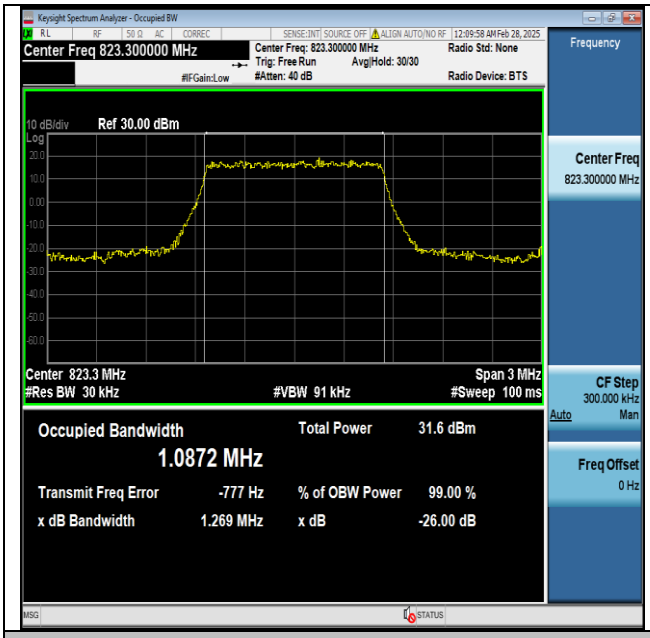
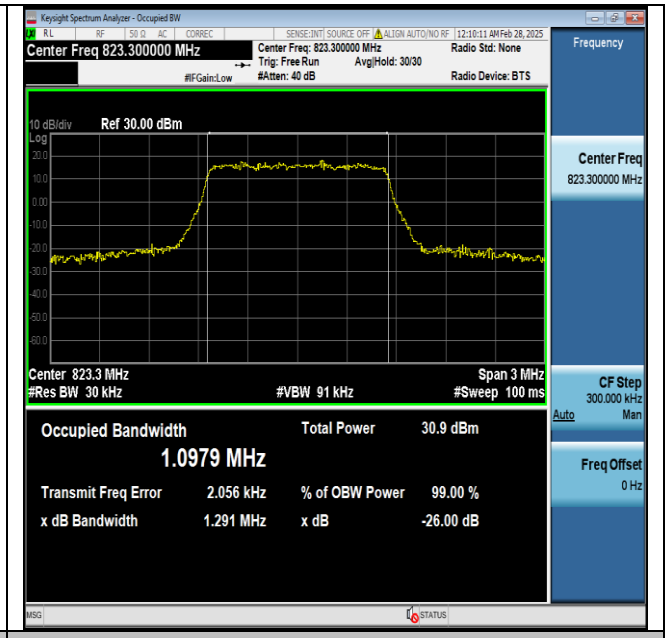
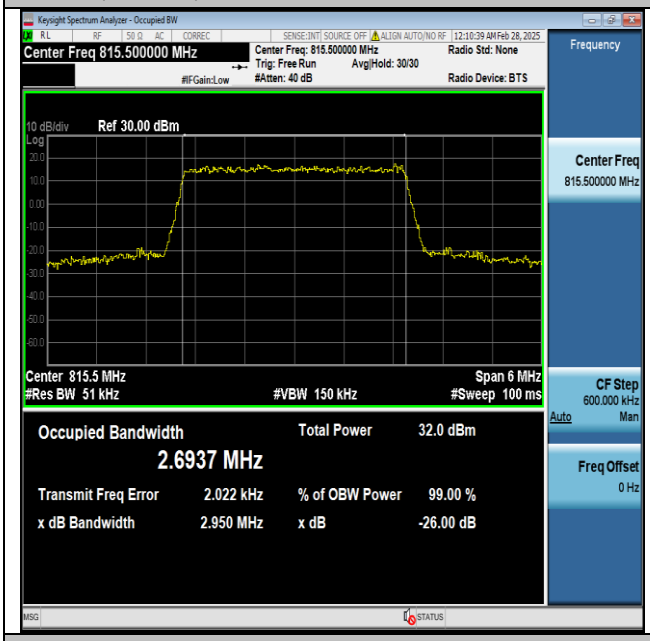


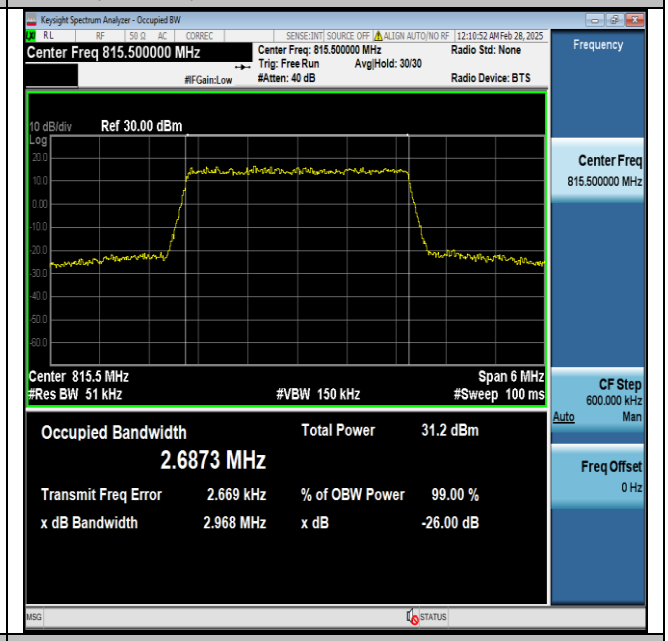
26(814-824)-1.4MHz-QPSK-26783-6RB#0-PASS



26(814-824)-1.4MHz-16QAM-26783-6RB#0-PASS



26(814-824)-3MHz-QPSK-26705-15RB#0-PASS



26(814-824)-3MHz-16QAM-26705-15RB#0-PASS

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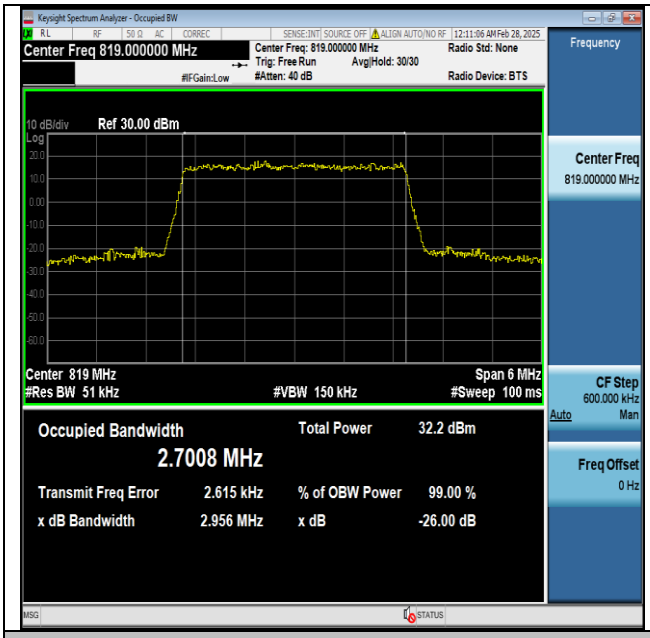

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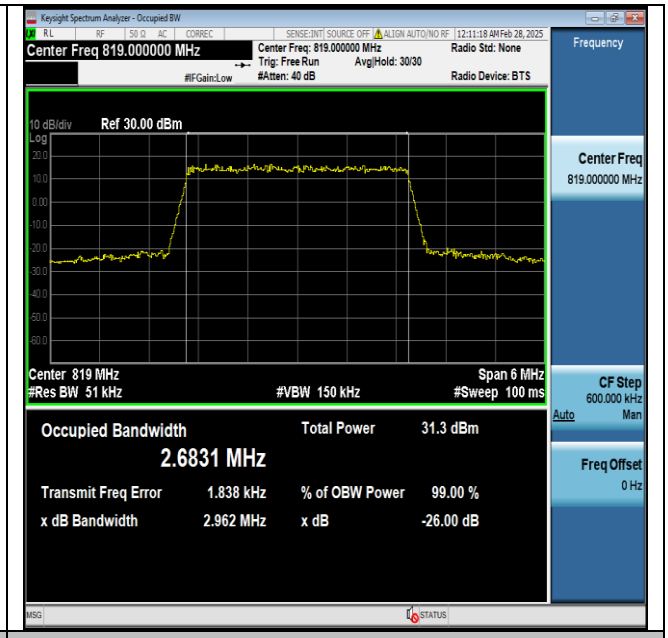

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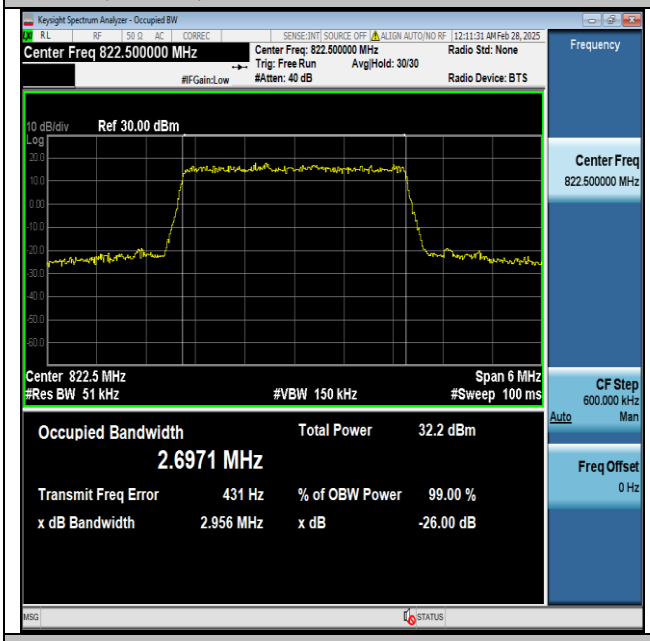
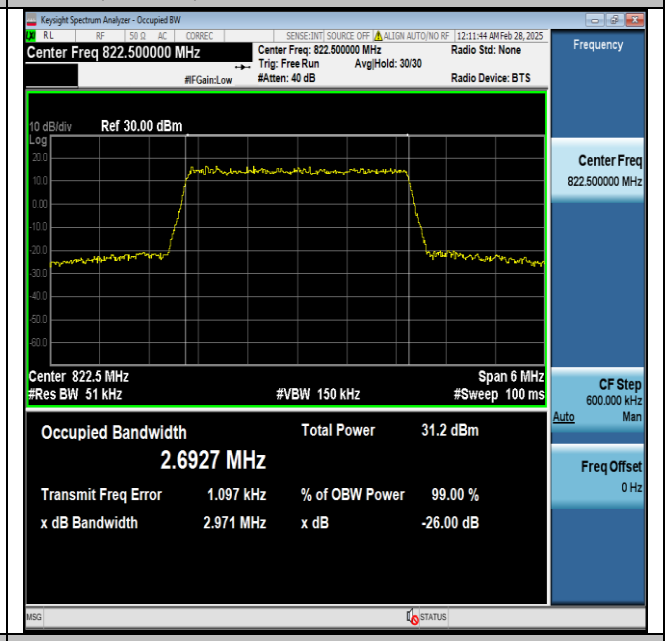


26(814-824)-3MHz-QPSK-26775-15RB#0-PASS



26(814-824)-3MHz-16QAM-26775-15RB#0-PASS

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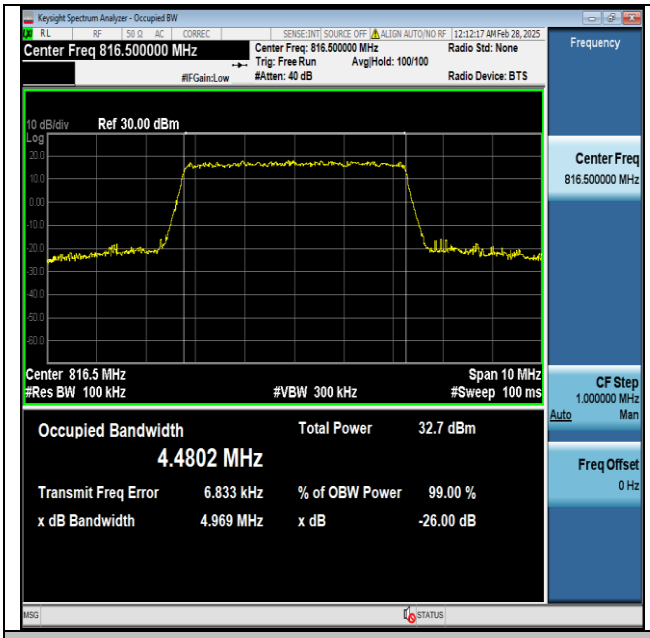
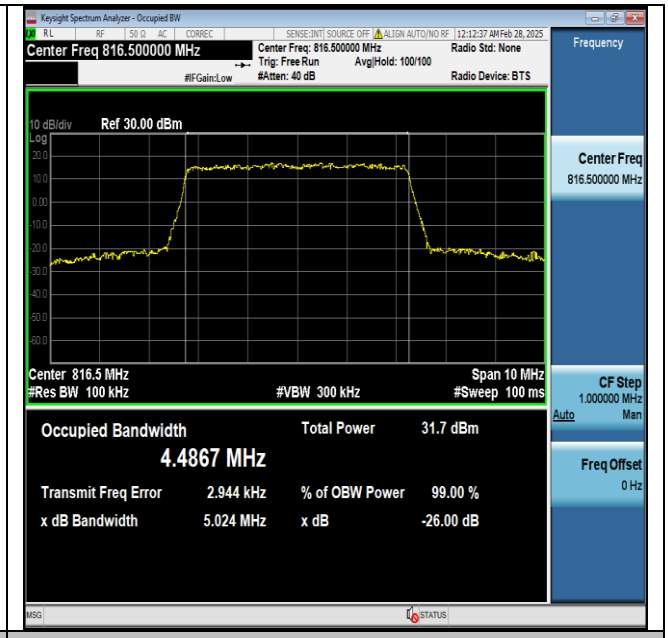


26(814-824)-5MHz-QPSK-26715-25RB#0-PASS



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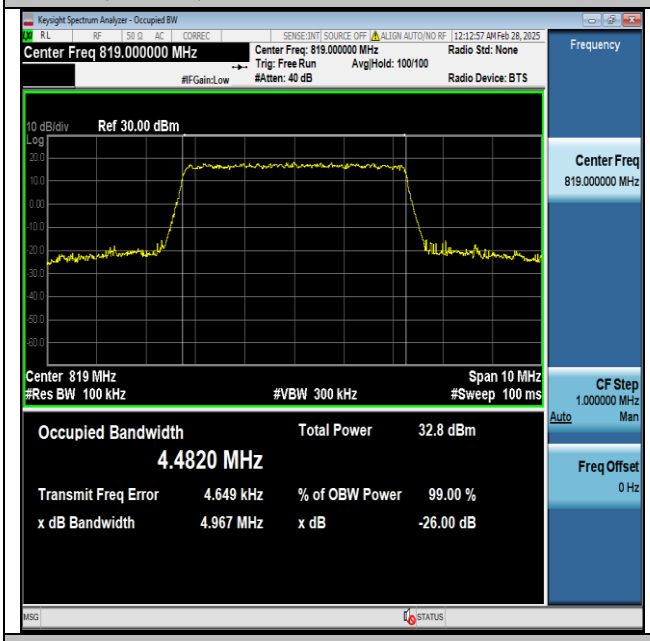

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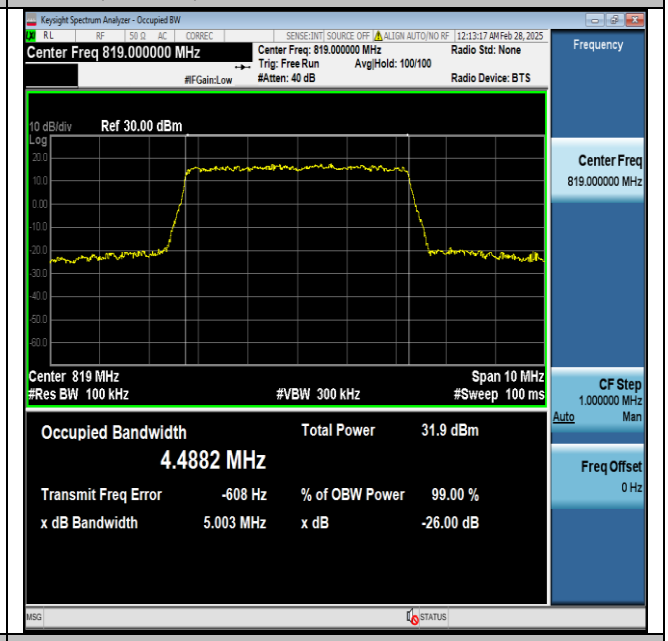

26(814-824)-5MHz-16QAM-26740-25RB#0-PASS

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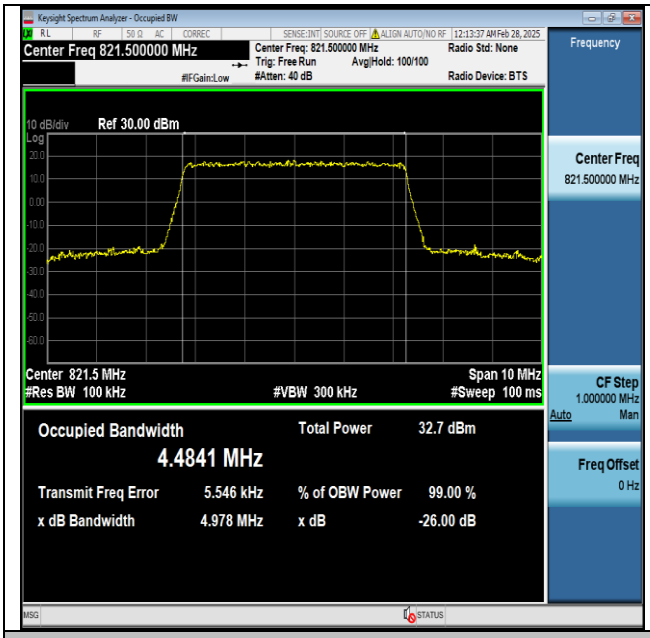

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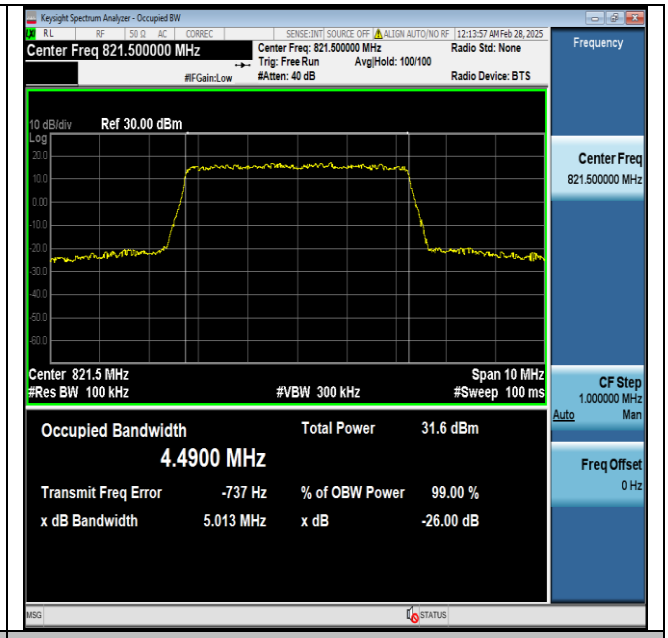
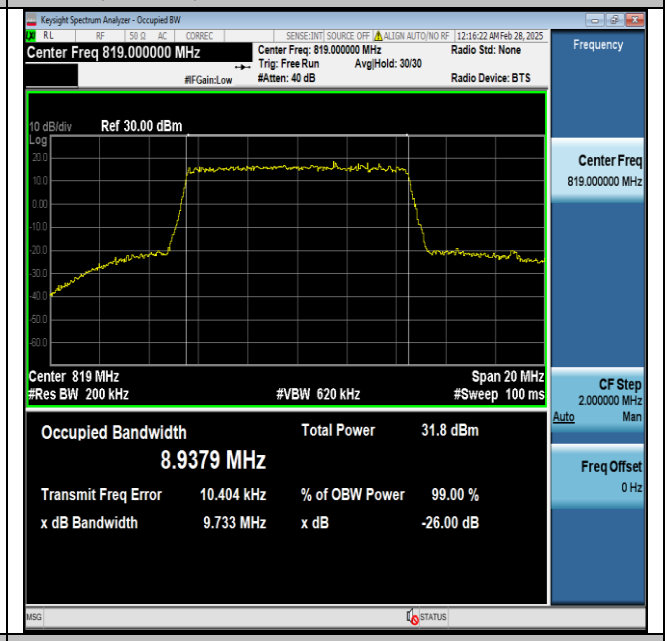


26(814-824)-5MHz-16QAM-26765-25RB#0-PASS

26(814-824)-10MHz-QPSK-26740-50RB#0-PASS



26(814-824)-10MHz-16QAM-26740-50RB#0-PASS

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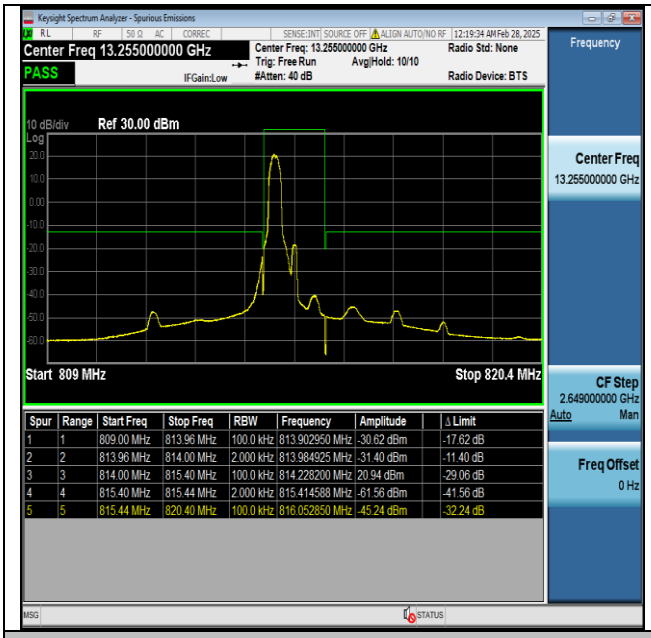
Band Edge

Test Graphs



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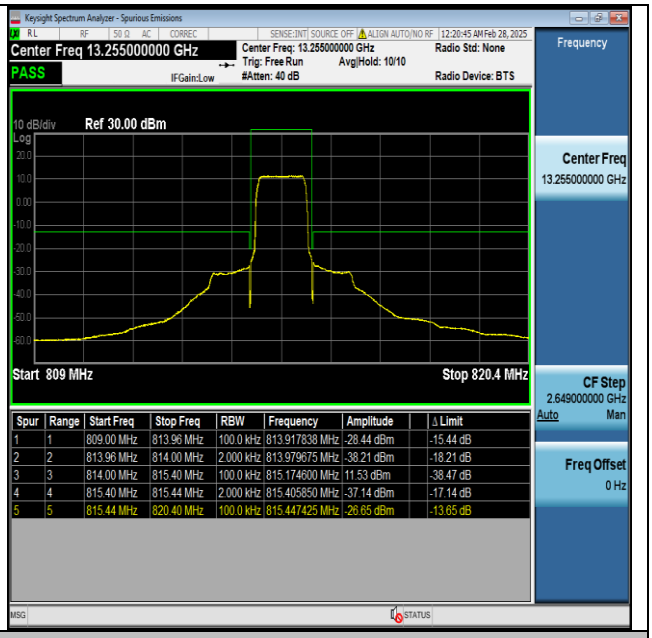

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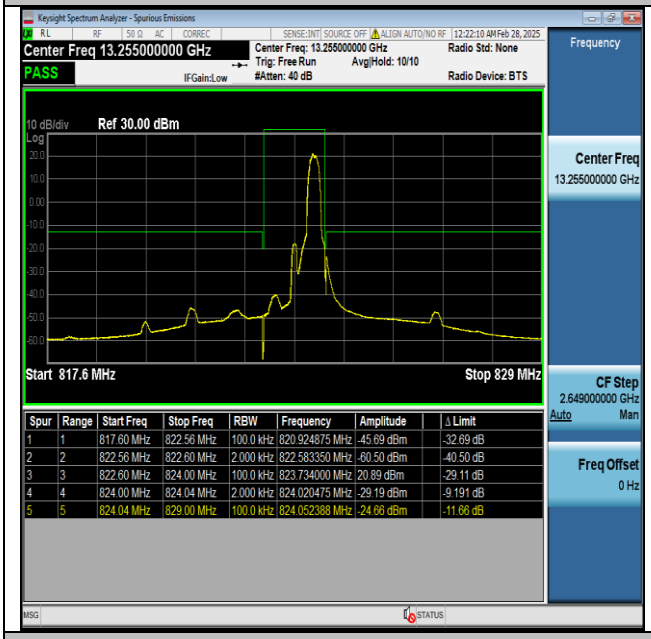
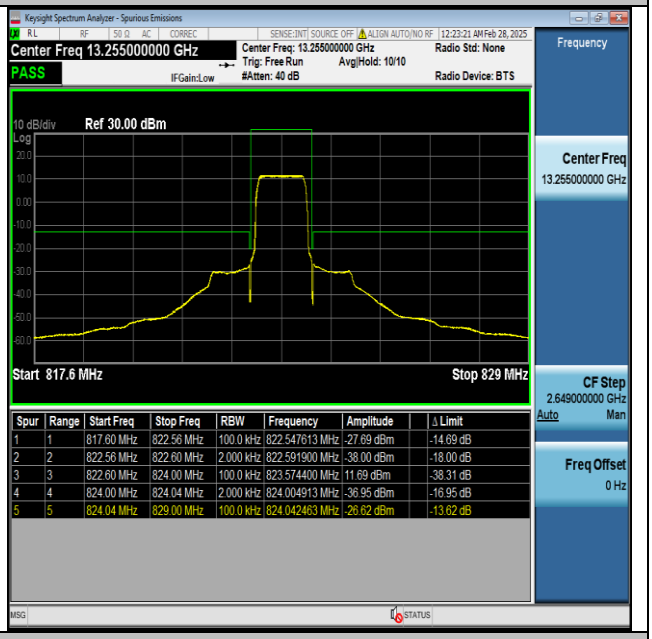


26(814-824)-1.4MHz-QPSK-26783-1RB#5-PASS



26(814-824)-1.4MHz-QPSK-26783-6RB#0-PASS

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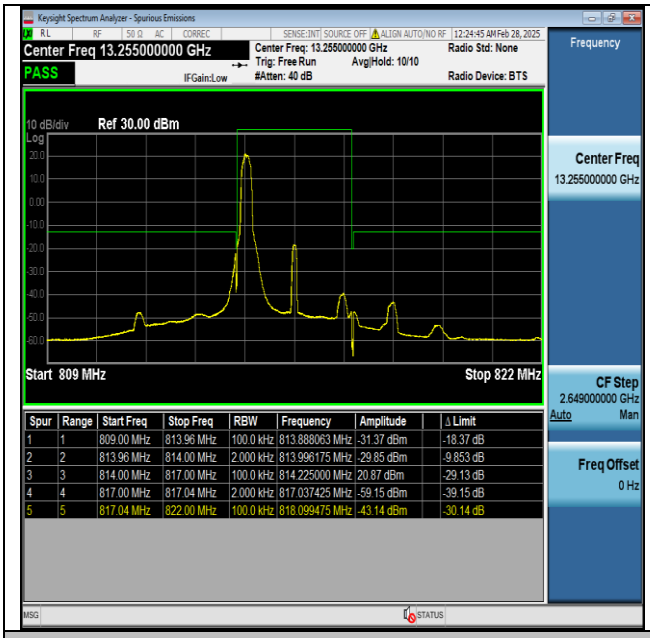
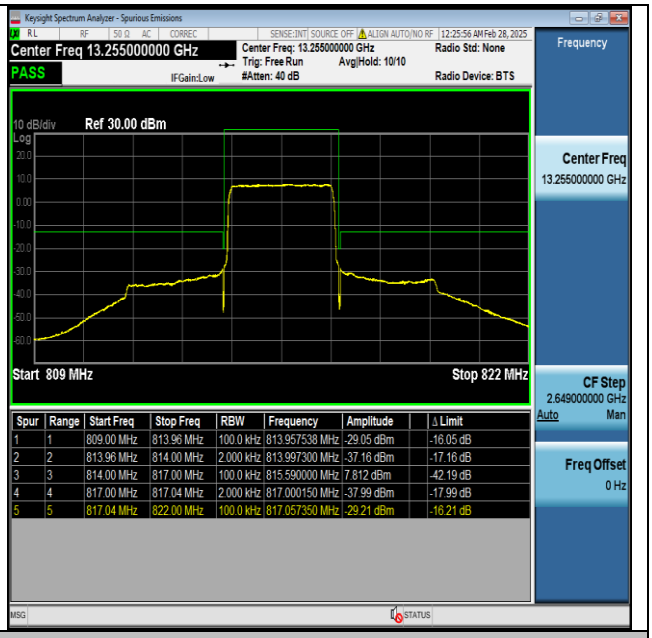
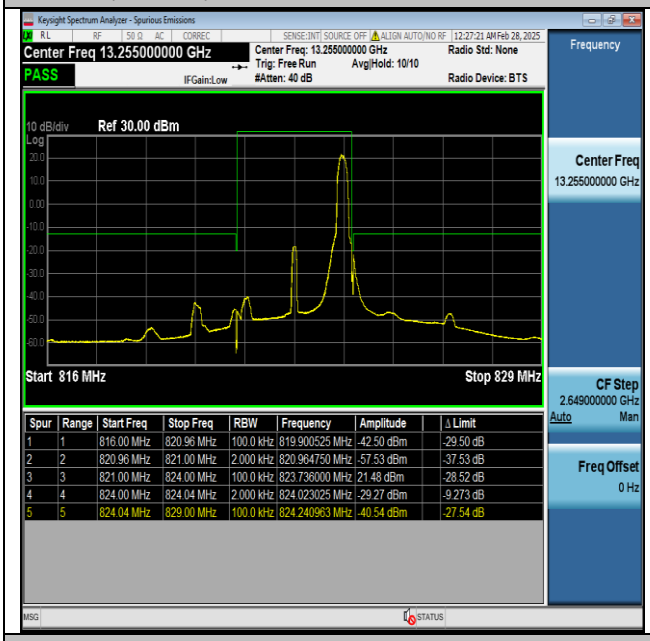


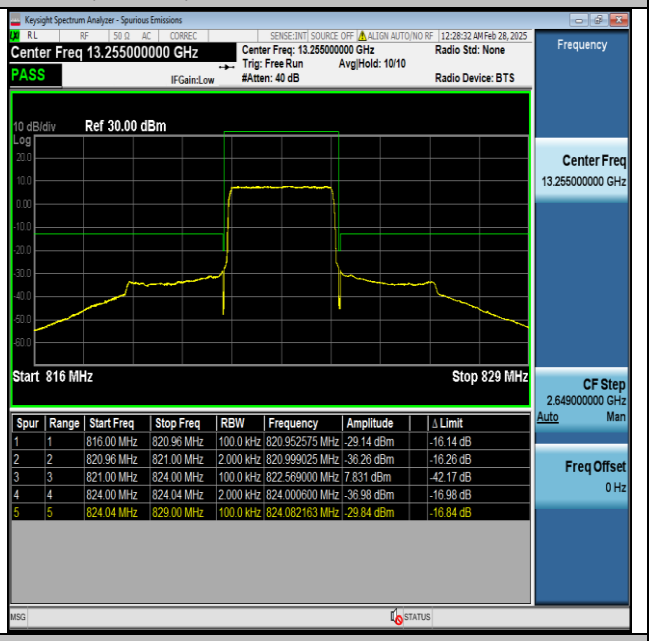
26(814-824)-3MHz-QPSK-26705-1RB#0-PASS



26(814-824)-3MHz-QPSK-26705-15RB#0-PASS



26(814-824)-3MHz-QPSK-26775-1RB#14-PASS



26(814-824)-3MHz-QPSK-26775-15RB#0-PASS

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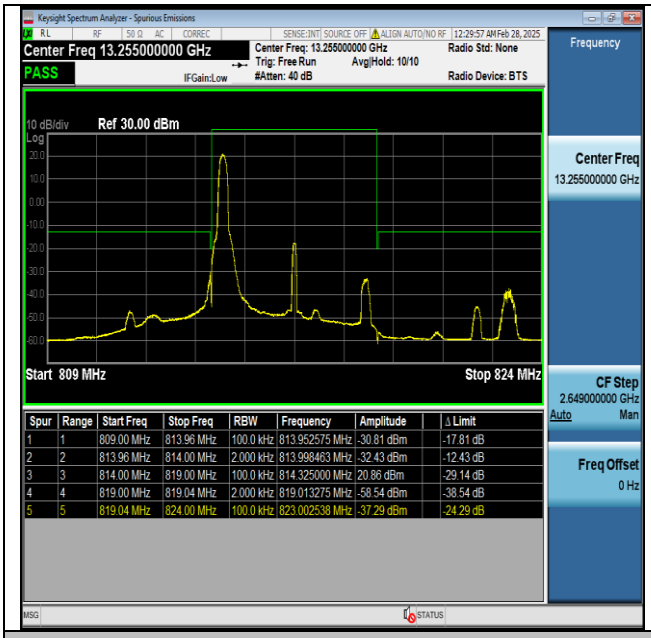
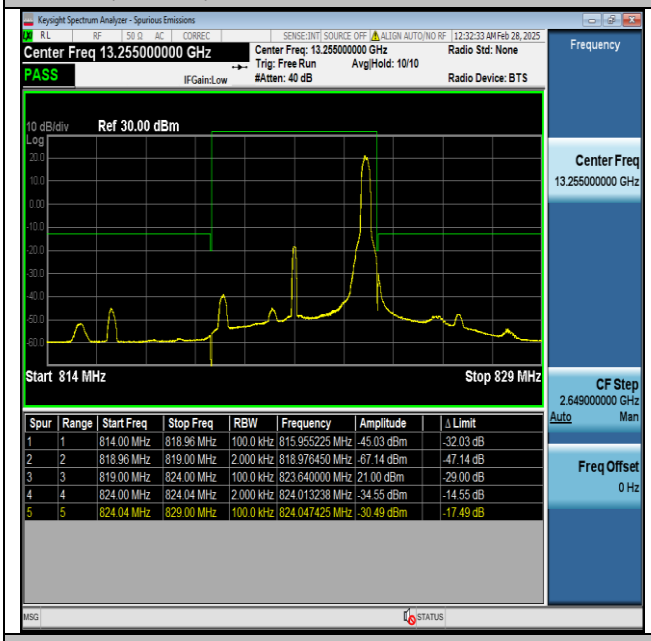


26(814-824)-5MHz-QPSK-26715-1RB#0-PASS

26(814-824)-5MHz-QPSK-26715-25RB#0-PASS



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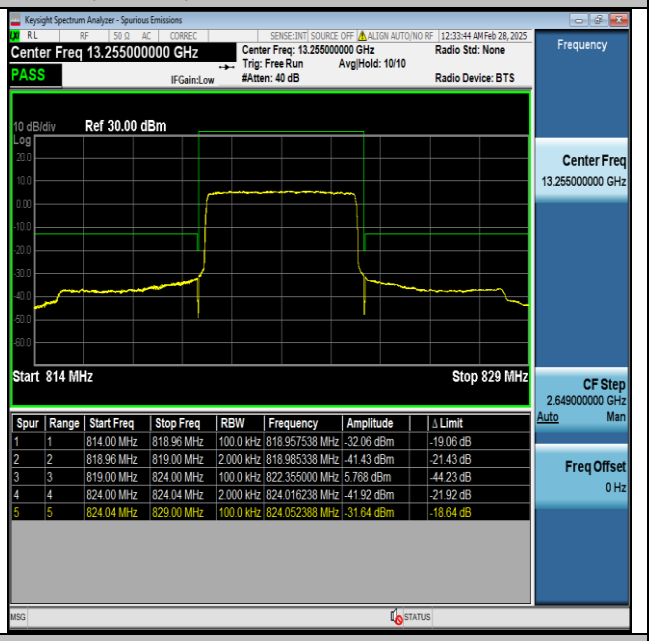

26(814-824)-5MHz-QPSK-26765-25RB#0-PASS

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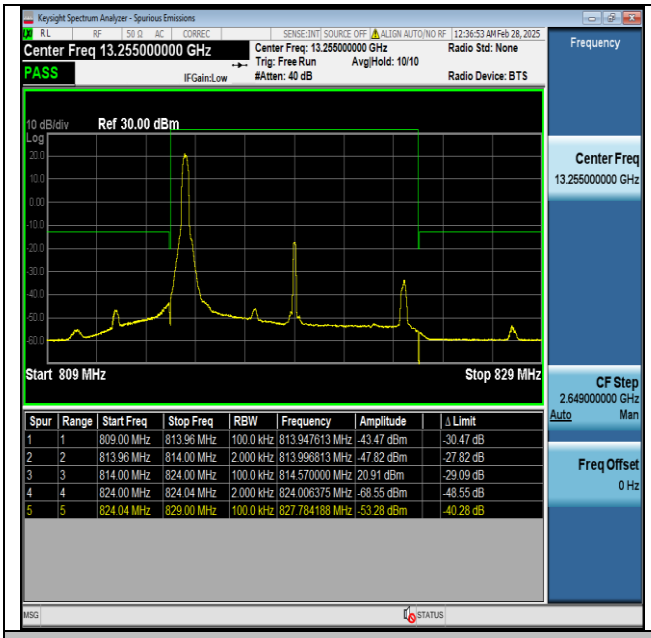
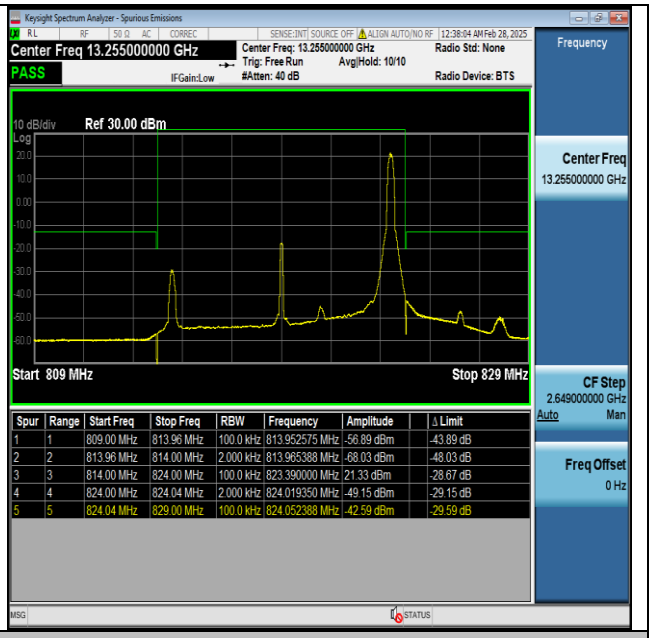
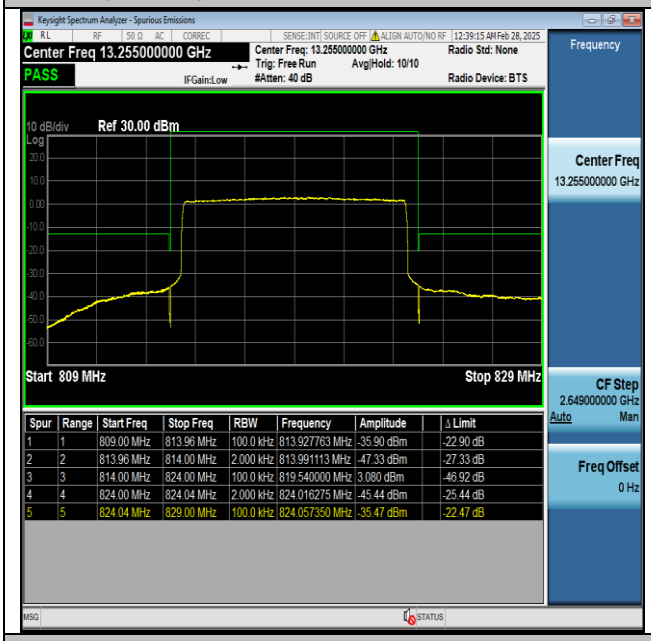


26(814-824)-10MHz-QPSK-26740-1RB#0-PASS



26(814-824)-10MHz-QPSK-26740-1RB#49-PASS



26(814-824)-10MHz-QPSK-26740-50RB#0-PASS

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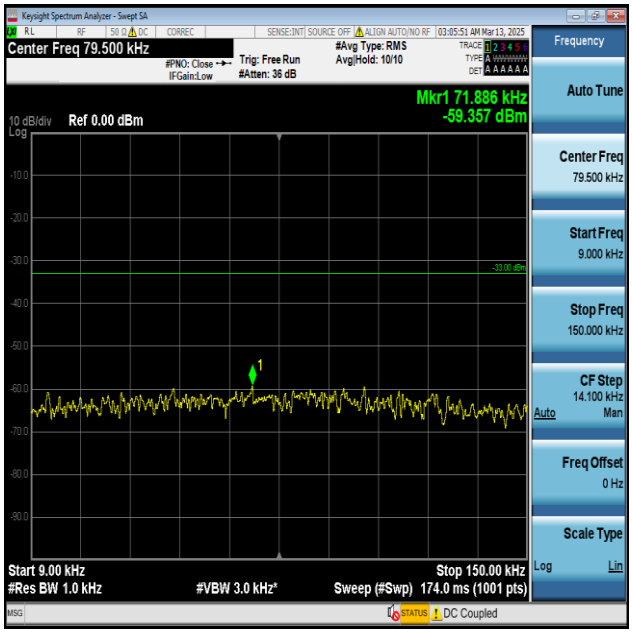
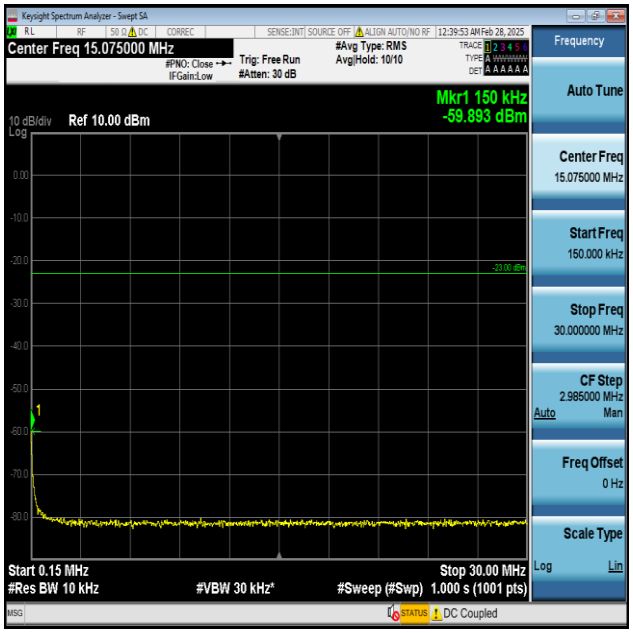
Conducted Spurious Emission

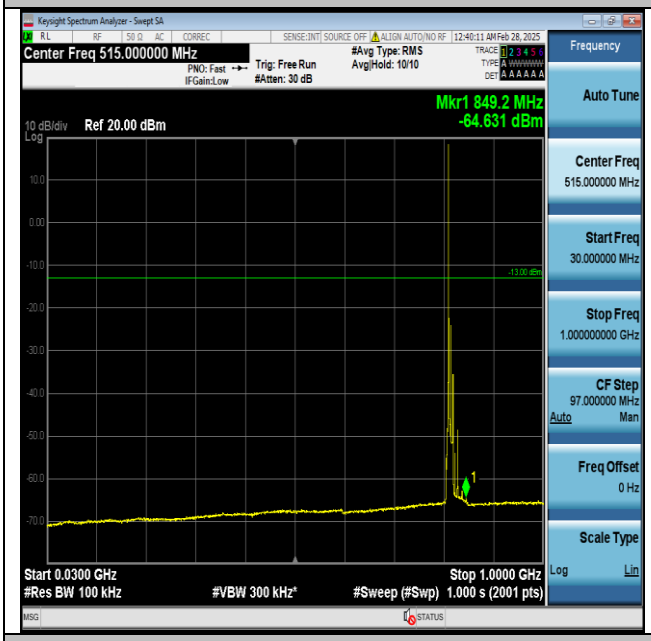
Test Graphs



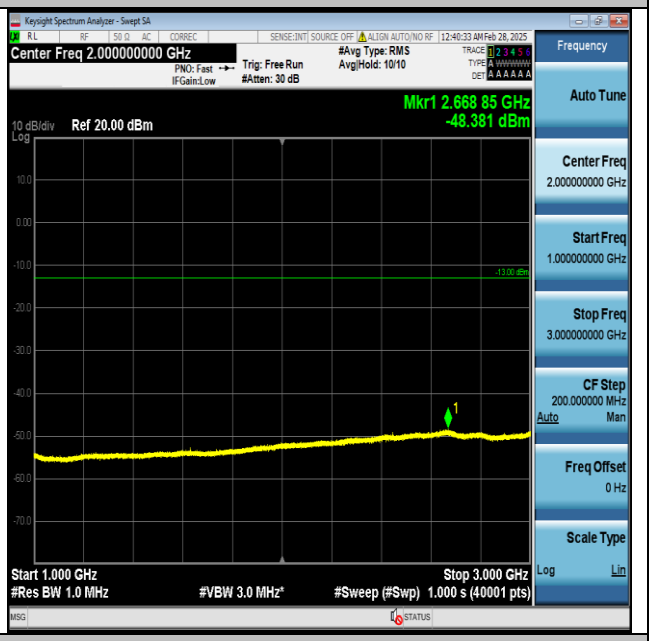
26(814-824)-10MHz-QPSK-26740-1RB#0-0.009~0.15-PASS



26(814-824)-10MHz-QPSK-26740-1RB#0-0.15~30-PASS



26(814-824)-10MHz-QPSK-26740-1RB#0-30~1000-PASS



26(814-824)-10MHz-QPSK-26740-1RB#0-1000~3000-PASS

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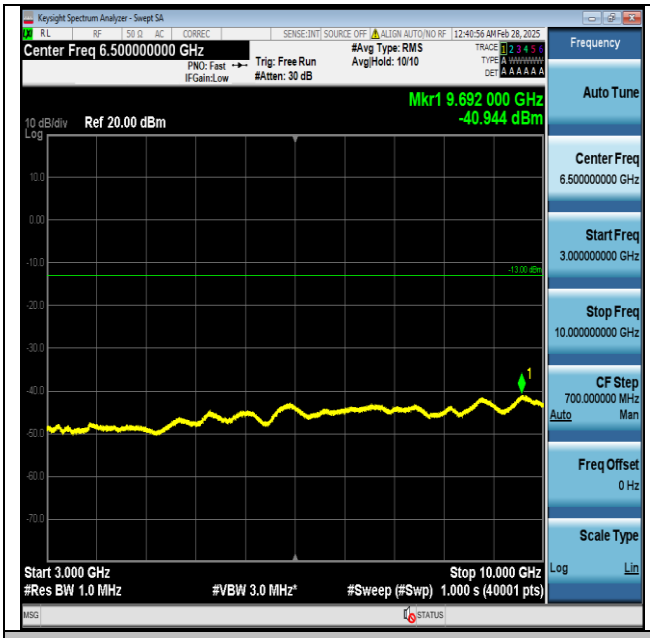

26(814-824)-10MHz-QPSK-26740-1RB#0-3000~10000-PASS

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Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
26(814-824)	10MHz	QPSK	26740	100RB#0	VN	NT	-0.10	-0.000122	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	VL	NT	-0.40	-0.000488	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	VH	NT	0.60	0.000733	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	-30	-0.50	-0.000611	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	-20	-1.20	-0.001465	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	-10	0.40	0.000488	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	0	-0.10	-0.000122	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	10	0.00	0.000000	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	20	-1.30	-0.001587	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	30	-0.40	-0.000488	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	40	-0.20	-0.000244	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	50	-0.60	-0.000733	PASS

~The End~

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