Appendix-C 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	23.60	50	PASS
26(814-824)	1.4MHz	QPSK	26697	1RB#2	23.44	50	PASS
26(814-824)	1.4MHz	QPSK	26697	1RB#5	23.53	50	PASS
26(814-824)	1.4MHz	QPSK	26697	6RB#0	22.66	50	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#0	23.23	50	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#2	23.13	50	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#5	23.26	50	PASS
26(814-824)	1.4MHz	16QAM	26697	6RB#0	21.55	50	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#0	23.61	50	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#2	23.54	50	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#5	23.50	50	PASS
26(814-824)	1.4MHz	QPSK	26740	6RB#0	22.68	50	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#0	22.73	50	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#2	23.13	50	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#5	23.21	50	PASS
26(814-824)	1.4MHz	16QAM	26740	6RB#0	21.56	50	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#0	23.54	50	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#2	23.57	50	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#5	23.52	50	PASS
26(814-824)	1.4MHz	QPSK	26783	6RB#0	22.61	50	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#0	22.50	50	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#2	22.44	50	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#5	22.44	50	PASS
26(814-824)	1.4MHz	16QAM	26783	6RB#0	21.44	50	PASS
26(814-824)	3MHz	QPSK	26705	1RB#0	23.47	50	PASS
26(814-824)	3MHz	QPSK	26705	1RB#8	23.62	50	PASS
26(814-824)	3MHz	QPSK	26705	1RB#14	23.50	50	PASS
26(814-824)	3MHz	QPSK	26705	15RB#0	22.81	50	PASS
26(814-824)	3MHz	16QAM	26705	1RB#0	23.20	50	PASS
26(814-824)	3MHz	16QAM	26705	1RB#8	23.27	50	PASS
26(814-824)	3MHz	16QAM	26705	1RB#14	23.03	50	PASS
26(814-824)	3MHz	16QAM	26705	15RB#0	21.83	50	PASS
26(814-824)	3MHz	QPSK	26740	1RB#0	23.57	50	PASS
26(814-824)	3MHz	QPSK	26740	1RB#8	23.63	50	PASS
26(814-824)	3MHz	QPSK	26740	1RB#14	23.51	50	PASS
26(814-824)	3MHz	QPSK	26740	15RB#0	22.69	50	PASS
26(814-824)	3MHz	16QAM	26740	1RB#0	23.27	50	PASS
26(814-824)	3MHz	16QAM	26740	1RB#8	23.16	50	PASS

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26(814-824)	3MHz	16QAM	26740	1RB#14	23.11	50	PASS
26(814-824)	3MHz	16QAM	26740	15RB#0	21.90	50	PASS
26(814-824)	3MHz	QPSK	26775	1RB#0	23.65	50	PASS
26(814-824)	3MHz	QPSK	26775	1RB#8	23.62	50	PASS
26(814-824)	3MHz	QPSK	26775	1RB#14	23.53	50	PASS
26(814-824)	3MHz	QPSK	26775	15RB#0	22.66	50	PASS
26(814-824)	3MHz	16QAM	26775	1RB#0	22.64	50	PASS
26(814-824)	3MHz	16QAM	26775	1RB#8	22.53	50	PASS
26(814-824)	3MHz	16QAM	26775	1RB#14	22.55	50	PASS
26(814-824)	3MHz	16QAM	26775	15RB#0	21.76	50	PASS
26(814-824)	5MHz	QPSK	26715	1RB#0	23.72	50	PASS
26(814-824)	5MHz	QPSK	26715	1RB#12	23.65	50	PASS
26(814-824)	5MHz	QPSK	26715	1RB#24	23.64	50	PASS
26(814-824)	5MHz	QPSK	26715	25RB#0	22.74	50	PASS
26(814-824)	5MHz	16QAM	26715	1RB#0	22.69	50	PASS
26(814-824)	5MHz	16QAM	26715	1RB#12	22.55	50	PASS
26(814-824)	5MHz	16QAM	26715	1RB#24	22.61	50	PASS
26(814-824)	5MHz	16QAM	26715	25RB#0	21.93	50	PASS
26(814-824)	5MHz	QPSK	26740	1RB#0	23.76	50	PASS
26(814-824)	5MHz	QPSK	26740	1RB#12	23.74	50	PASS
26(814-824)	5MHz	QPSK	26740	1RB#24	23.66	50	PASS
26(814-824)	5MHz	QPSK	26740	25RB#0	22.73	50	PASS
26(814-824)	5MHz	16QAM	26740	1RB#0	23.27	50	PASS
26(814-824)	5MHz	16QAM	26740	1RB#12	23.21	50	PASS
26(814-824)	5MHz	16QAM	26740	1RB#24	-54.94	50	PASS
26(814-824)	5MHz	16QAM	26740	25RB#0	21.74	50	PASS
26(814-824)	5MHz	QPSK	26765	1RB#0	23.79	50	PASS
26(814-824)	5MHz	QPSK	26765	1RB#12	23.68	50	PASS
26(814-824)	5MHz	QPSK	26765	1RB#24	23.52	50	PASS
26(814-824)	5MHz	QPSK	26765	25RB#0	22.72	50	PASS
26(814-824)	5MHz	16QAM	26765	1RB#0	22.74	50	PASS
26(814-824)	5MHz	16QAM	26765	1RB#12	22.69	50	PASS
26(814-824)	5MHz	16QAM	26765	1RB#24	22.58	50	PASS
26(814-824)	5MHz	16QAM	26765	25RB#0	21.85	50	PASS
26(814-824)	10MHz	QPSK	26740	1RB#0	23.76	50	PASS
26(814-824)	10MHz	QPSK	26740	1RB#24	23.69	50	PASS
26(814-824)	10MHz	QPSK	26740	1RB#49	23.64	50	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	22.70	50	PASS
26(814-824)	10MHz	16QAM	26740	1RB#0	23.28	50	PASS
26(814-824)	10MHz	16QAM	26740	1RB#24	22.68	50	PASS
26(814-824)	10MHz	16QAM	26740	1RB#49	22.61	50	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	21.84	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	5.46	13	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	6.14	13	PASS

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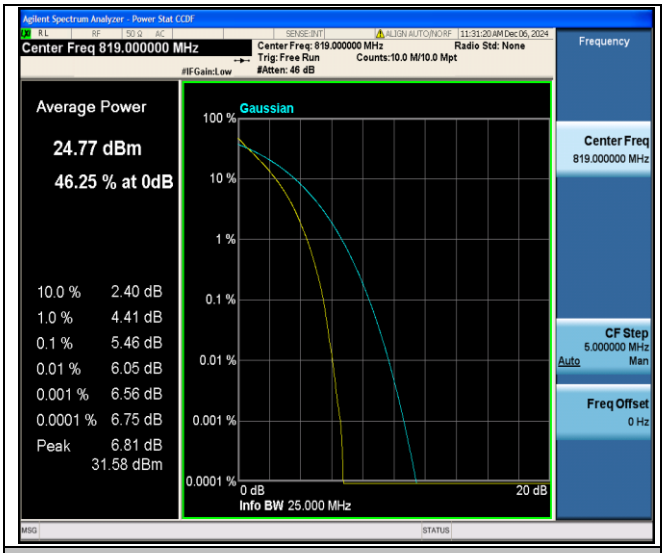
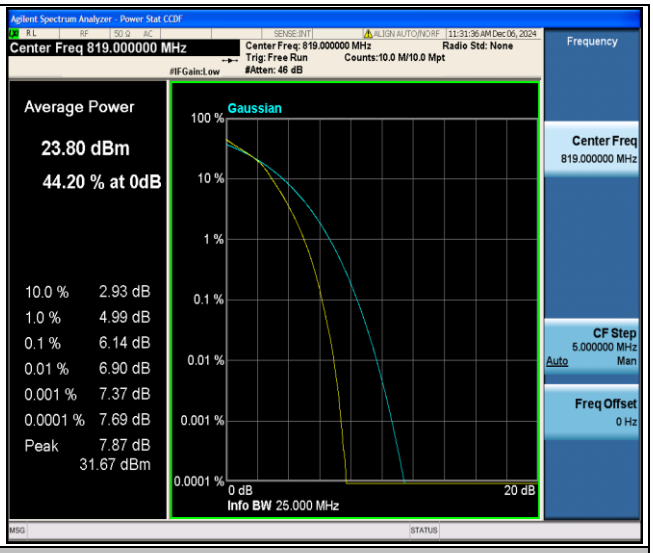
Test Graphs



26(814-824)-10MHz-QPSK-26740-100RB#0-PASS



26(814-824)-10MHz-16QAM-26740-100RB#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	1.0880	1.237	PASS
26(814-824)	1.4MHz	16QAM	26697	6RB#0	1.0970	1.248	PASS
26(814-824)	1.4MHz	QPSK	26740	6RB#0	1.0892	1.241	PASS
26(814-824)	1.4MHz	16QAM	26740	6RB#0	1.0957	1.247	PASS
26(814-824)	1.4MHz	QPSK	26783	6RB#0	1.0894	1.237	PASS
26(814-824)	1.4MHz	16QAM	26783	6RB#0	1.0952	1.244	PASS
26(814-824)	3MHz	QPSK	26705	15RB#0	2.7039	3.032	PASS
26(814-824)	3MHz	16QAM	26705	15RB#0	2.6939	3.033	PASS
26(814-824)	3MHz	QPSK	26740	15RB#0	2.7032	3.031	PASS
26(814-824)	3MHz	16QAM	26740	15RB#0	2.6974	3.035	PASS
26(814-824)	3MHz	QPSK	26775	15RB#0	2.6941	3.011	PASS
26(814-824)	3MHz	16QAM	26775	15RB#0	2.6992	3.025	PASS
26(814-824)	5MHz	QPSK	26715	25RB#0	4.4889	4.966	PASS
26(814-824)	5MHz	16QAM	26715	25RB#0	4.4915	4.974	PASS
26(814-824)	5MHz	QPSK	26740	25RB#0	4.4875	4.956	PASS
26(814-824)	5MHz	16QAM	26740	25RB#0	4.4874	4.978	PASS
26(814-824)	5MHz	QPSK	26765	25RB#0	4.4863	4.958	PASS
26(814-824)	5MHz	16QAM	26765	25RB#0	4.4889	4.984	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	8.9923	9.877	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	8.9534	9.795	PASS

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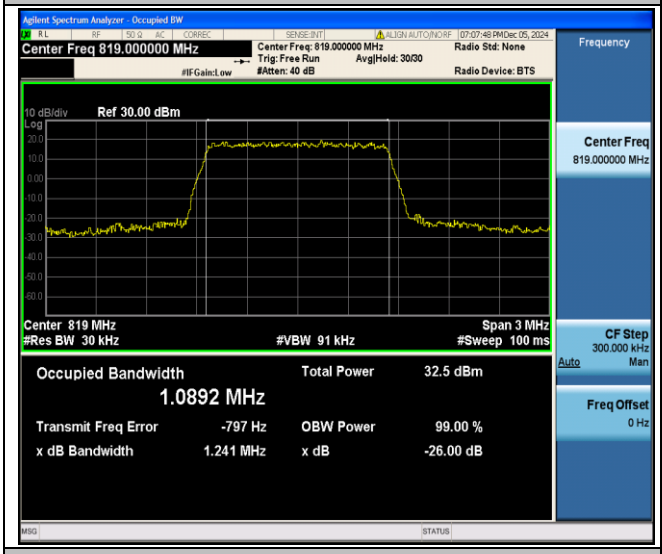
Test Graphs

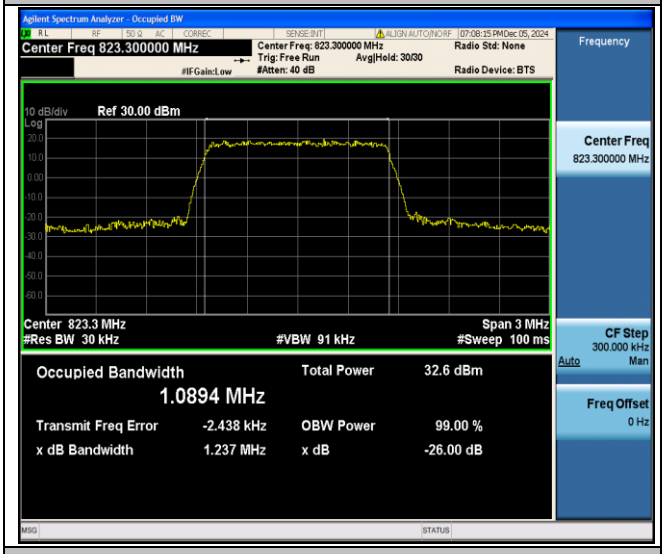
26(814-824)-1.4MHz-QPSK-26697-6RB#0-PASS

26(814-824)-1.4MHz-16QAM-26697-6RB#0-PASS



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

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



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

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

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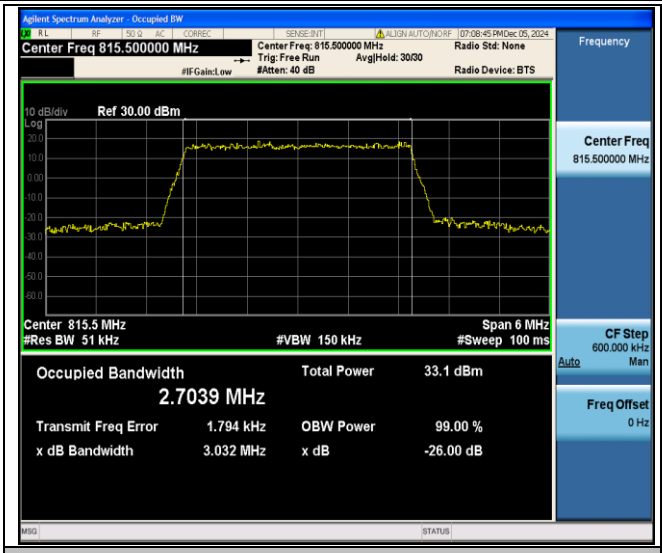
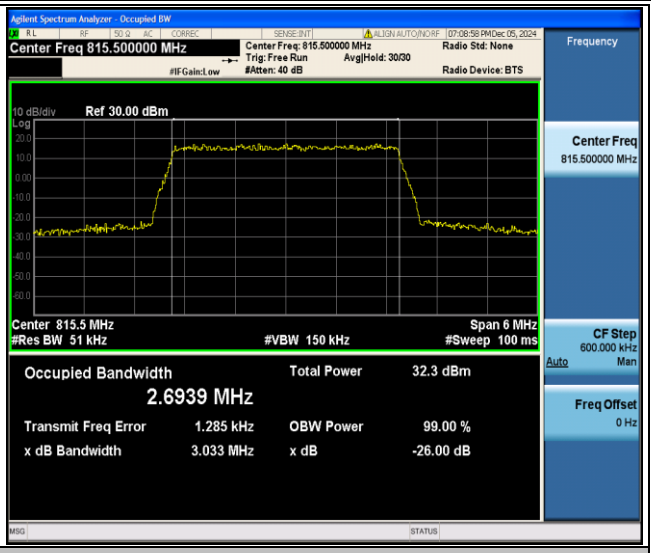
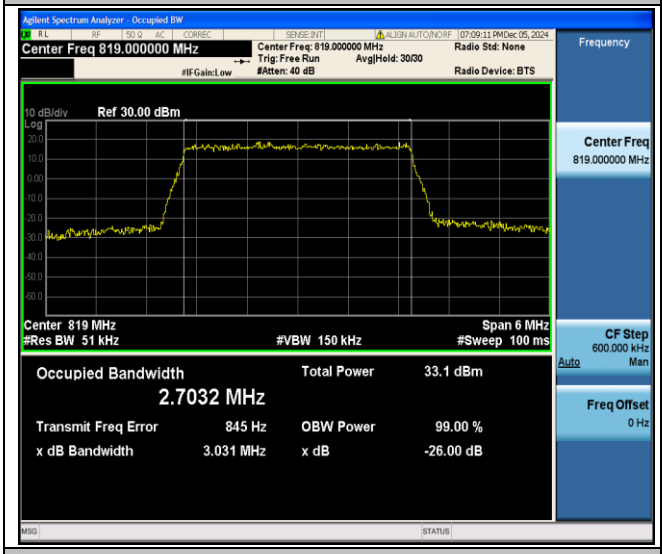


26(814-824)-3MHz-QPSK-26705-15RB#0-PASS

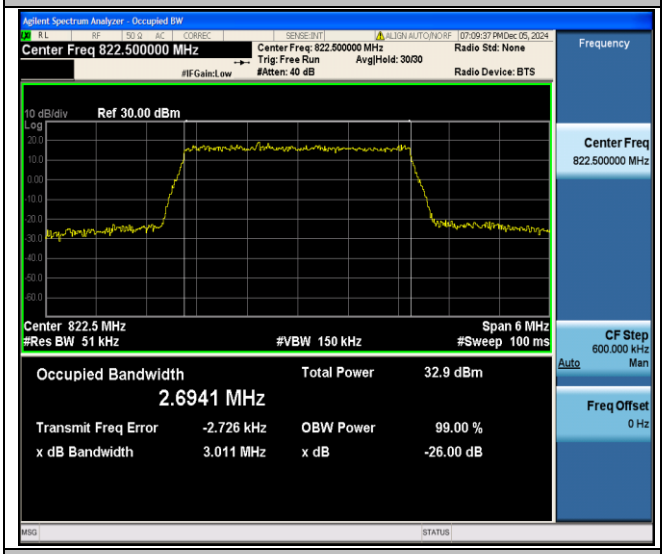


26(814-824)-3MHz-16QAM-26705-15RB#0-PASS



26(814-824)-3MHz-QPSK-26740-15RB#0-PASS

26(814-824)-3MHz-16QAM-26740-15RB#0-PASS



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

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

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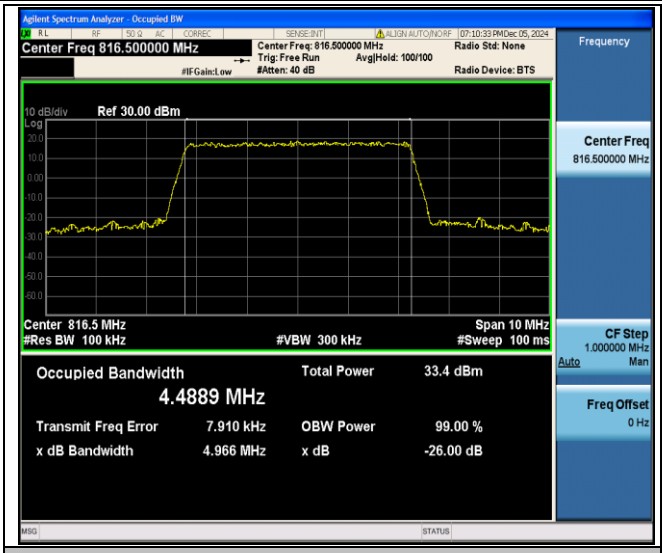
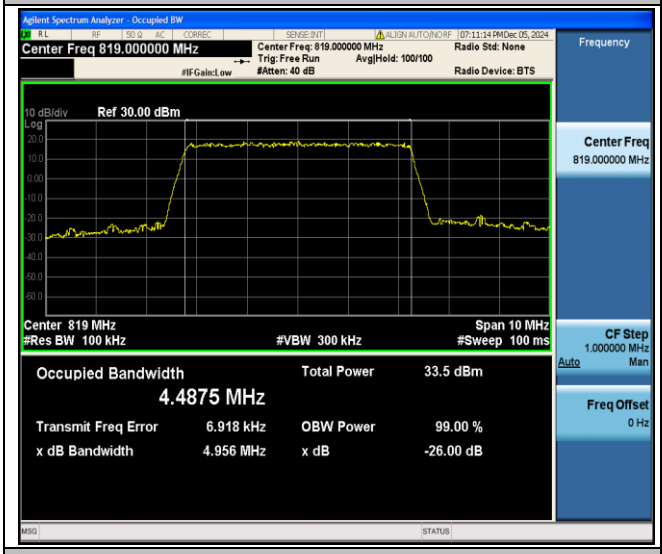


26(814-824)-5MHz-QPSK-26715-25RB#0-PASS

26(814-824)-5MHz-16QAM-26715-25RB#0-PASS



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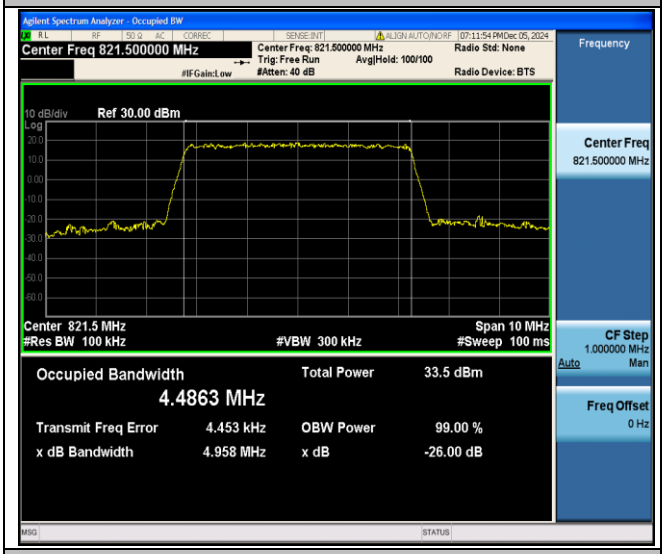
26(814-824)-5MHz-16QAM-26740-25RB#0-PASS



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

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

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

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

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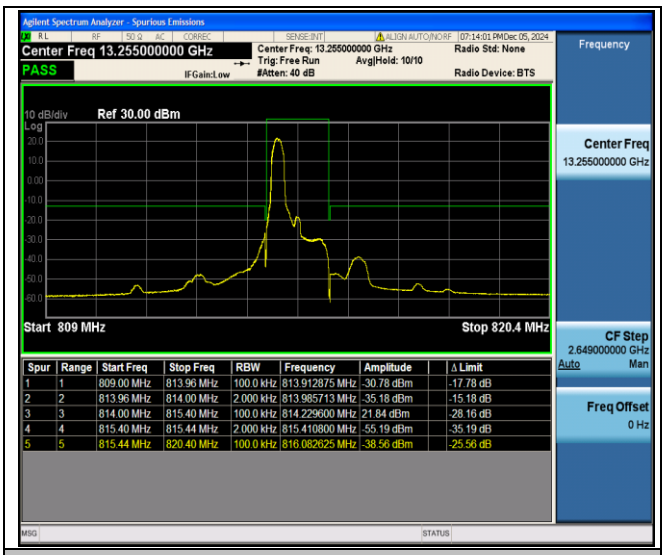
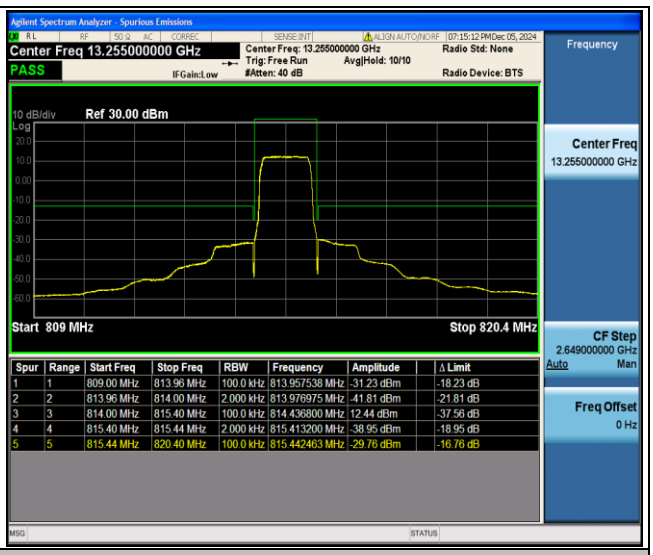
Band Edge

Test Graphs



26(814-824)-1.4MHz-QPSK-26697-1RB#0-PASS



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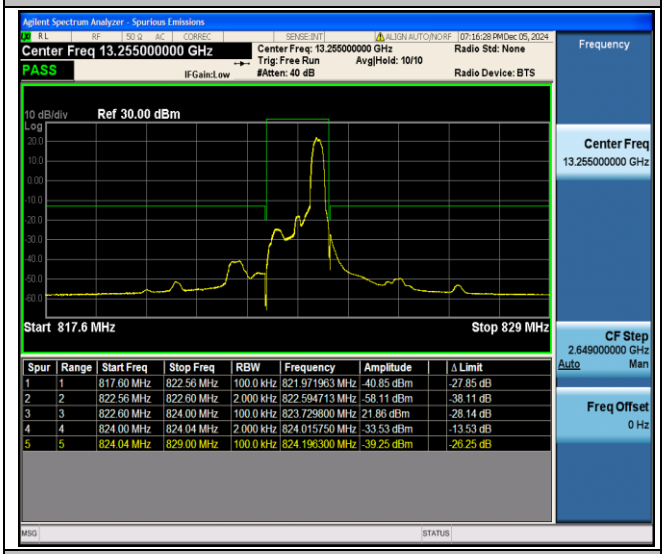
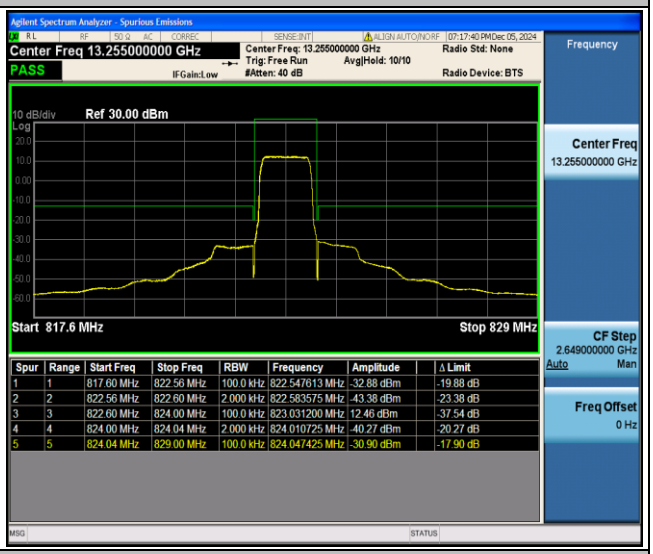
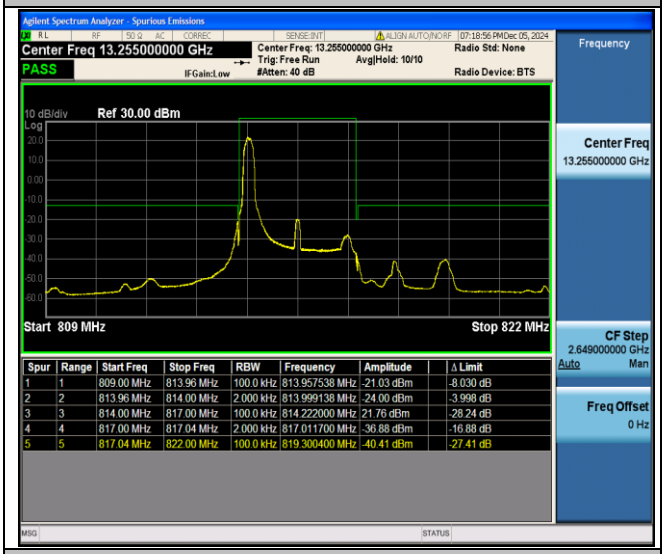


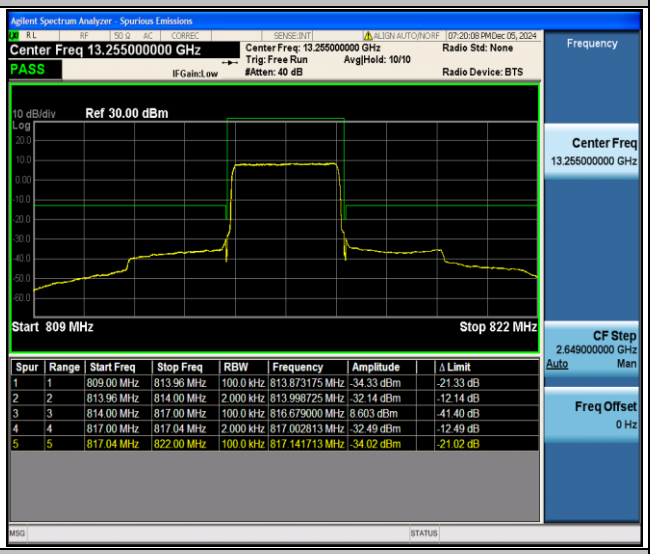
26(814-824)-1.4MHz-QPSK-26783-1RB#5-PASS



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



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



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

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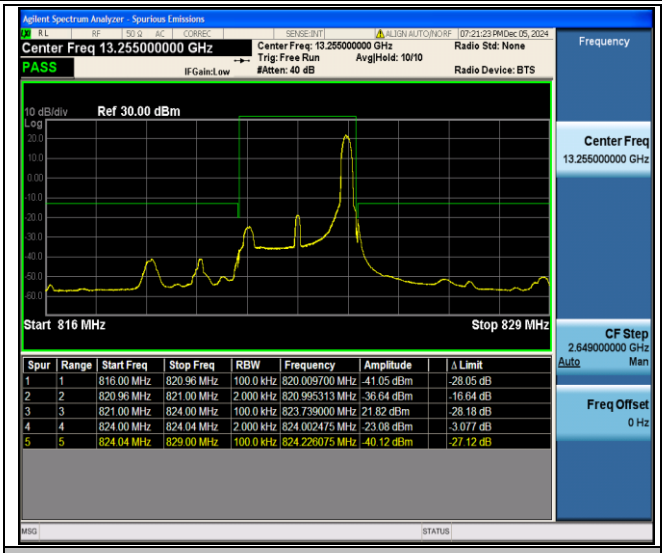
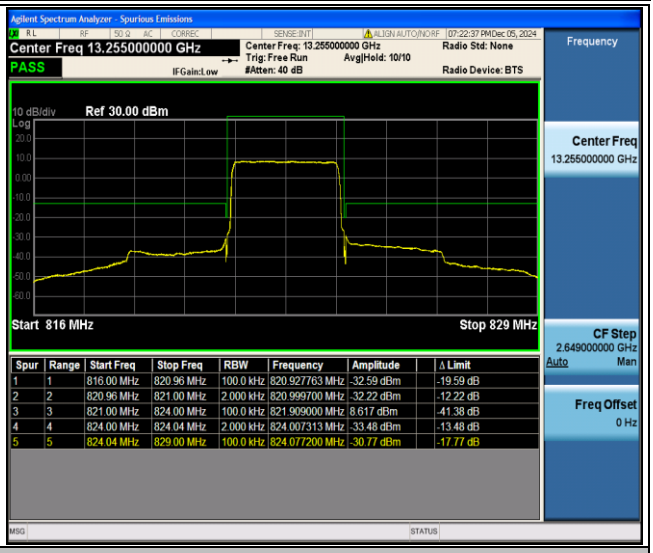
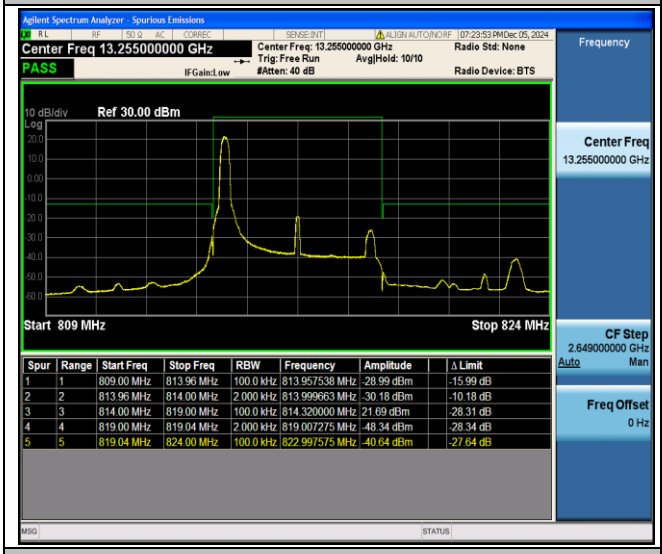


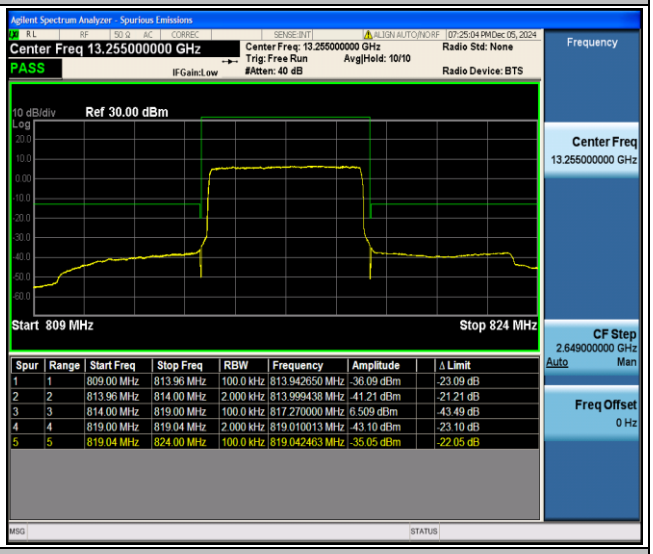
26(814-824)-3MHz-QPSK-26775-1RB#14-PASS



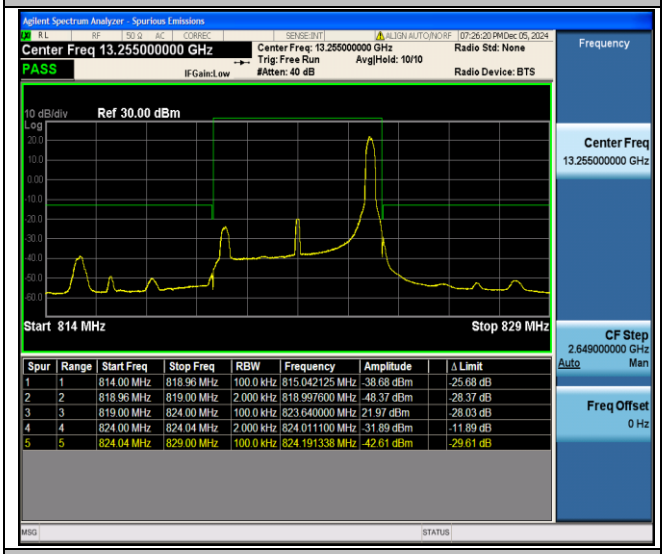
26(814-824)-3MHz-QPSK-26775-15RB#0-PASS



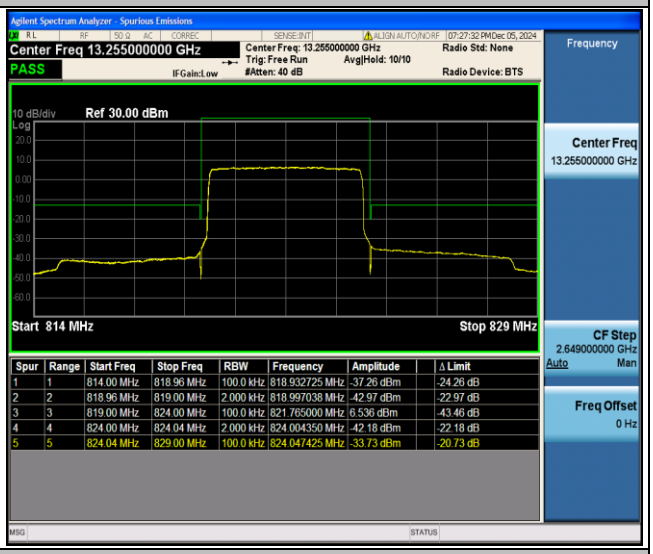
26(814-824)-5MHz-QPSK-26715-1RB#0-PASS



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



26(814-824)-5MHz-QPSK-26765-1RB#24-PASS



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

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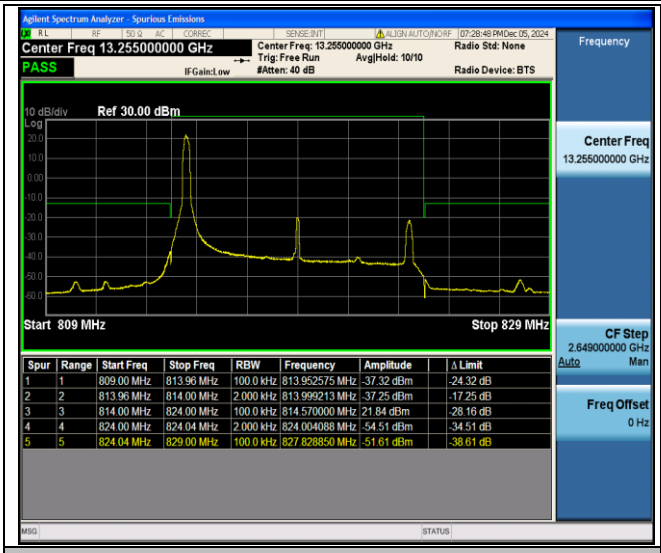
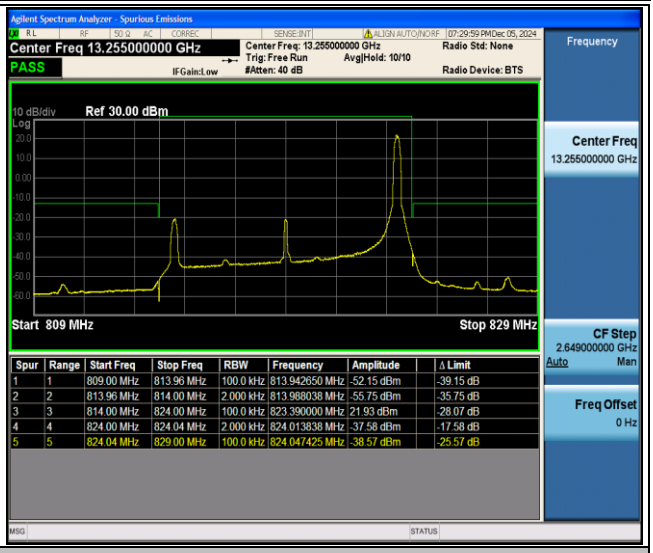
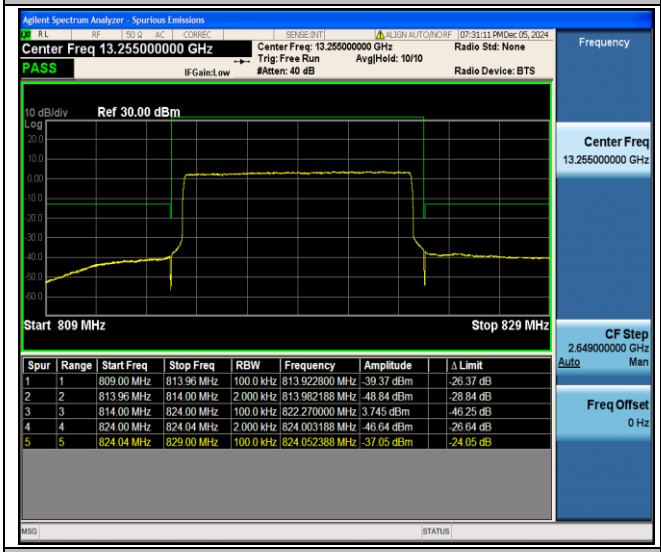


26(814-824)-10MHz-QPSK-26740-1RB#0-PASS



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



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

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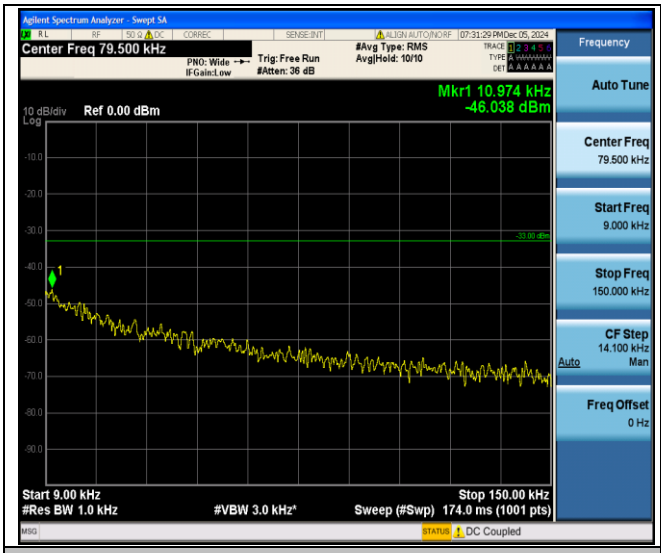
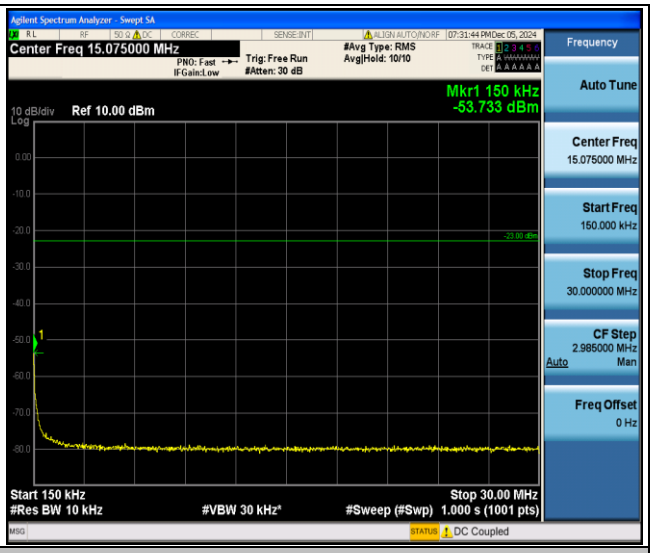
Conducted Spurious Emission

Test Graphs

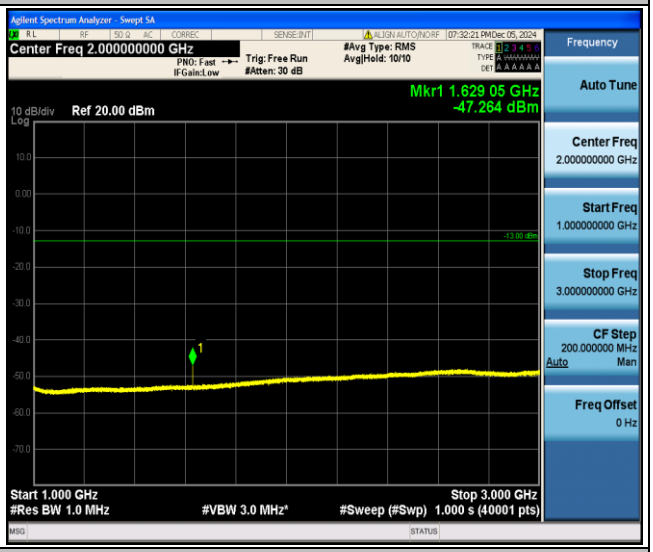


26(814-824)-10MHz-QPSK-26740-1RB#0-0.009~0.15-PASS

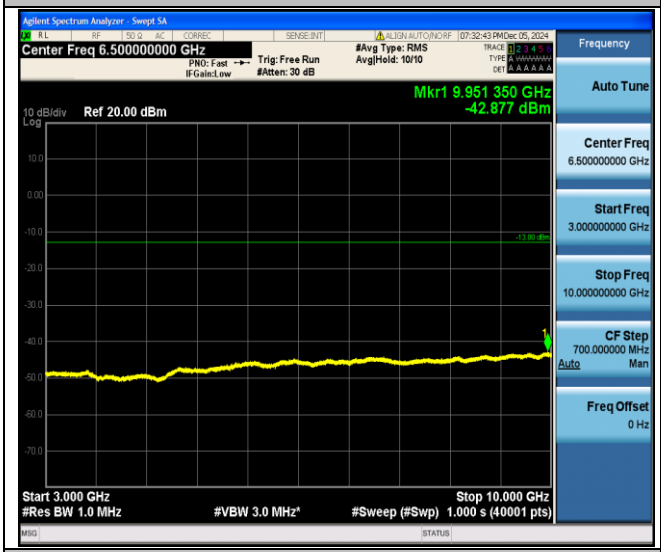


26(814-824)-10MHz-QPSK-26740-1RB#0-0.15~30-PASS

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



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



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	50RB#0	VN	NT	-4.90	-0.005983	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	VL	NT	-5.30	-0.006471	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	VH	NT	-4.70	-0.005739	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
26(814-824)	10MHz	QPSK	26740	50RB#0	NV	-30	-2.80	-0.003419	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	NV	-20	-4.10	-0.005006	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	NV	-10	-7.80	-0.009524	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	NV	0	-5.60	-0.006838	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	NV	10	-5.20	-0.006349	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	NV	20	-4.90	-0.005983	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	NV	30	-6.30	-0.007692	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	NV	40	-4.90	-0.005983	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	NV	50	-6.20	-0.007570	PASS

~The End~

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