

Appendix-B LTE Band26(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	24.44	50.00	PASS
26(814-824)	1.4MHz	QPSK	26697	6RB#0	22.93	50.00	PASS
26(814-824)	1.4MHz	QPSK	26697	1RB#2	24.32	50.00	PASS
26(814-824)	1.4MHz	QPSK	26697	1RB#5	23.32	50.00	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#0	24.16	50.00	PASS
26(814-824)	1.4MHz	QPSK	26740	6RB#0	23.41	50.00	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#2	24.42	50.00	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#5	23.45	50.00	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#0	24.15	50.00	PASS
26(814-824)	1.4MHz	QPSK	26783	6RB#0	23.46	50.00	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#2	24.38	50.00	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#5	23.25	50.00	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#0	23.59	50.00	PASS
26(814-824)	1.4MHz	16QAM	26697	6RB#0	22.1	50.00	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#2	23.71	50.00	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#5	22.66	50.00	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#0	23.41	50.00	PASS
26(814-824)	1.4MHz	16QAM	26740	6RB#0	22.56	50.00	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#2	23.86	50.00	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#5	22.83	50.00	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#0	23.54	50.00	PASS
26(814-824)	1.4MHz	16QAM	26783	6RB#0	22.7	50.00	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#2	23.72	50.00	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#5	22.61	50.00	PASS
26(814-824)	3MHz	QPSK	26705	1RB#0	24.46	50.00	PASS
26(814-824)	3MHz	QPSK	26705	15RB#0	23.02	50.00	PASS
26(814-824)	3MHz	QPSK	26705	1RB#8	24.27	50.00	PASS
26(814-824)	3MHz	QPSK	26705	1RB#14	22.9	50.00	PASS
26(814-824)	3MHz	QPSK	26740	1RB#0	24.12	50.00	PASS
26(814-824)	3MHz	QPSK	26740	15RB#0	23.32	50.00	PASS
26(814-824)	3MHz	QPSK	26740	1RB#8	24.46	50.00	PASS
26(814-824)	3MHz	QPSK	26740	1RB#14	23.07	50.00	PASS
26(814-824)	3MHz	QPSK	26775	1RB#0	24.28	50.00	PASS
26(814-824)	3MHz	QPSK	26775	15RB#0	23.41	50.00	PASS
26(814-824)	3MHz	QPSK	26775	1RB#8	24.4	50.00	PASS
26(814-824)	3MHz	QPSK	26775	1RB#14	23	50.00	PASS

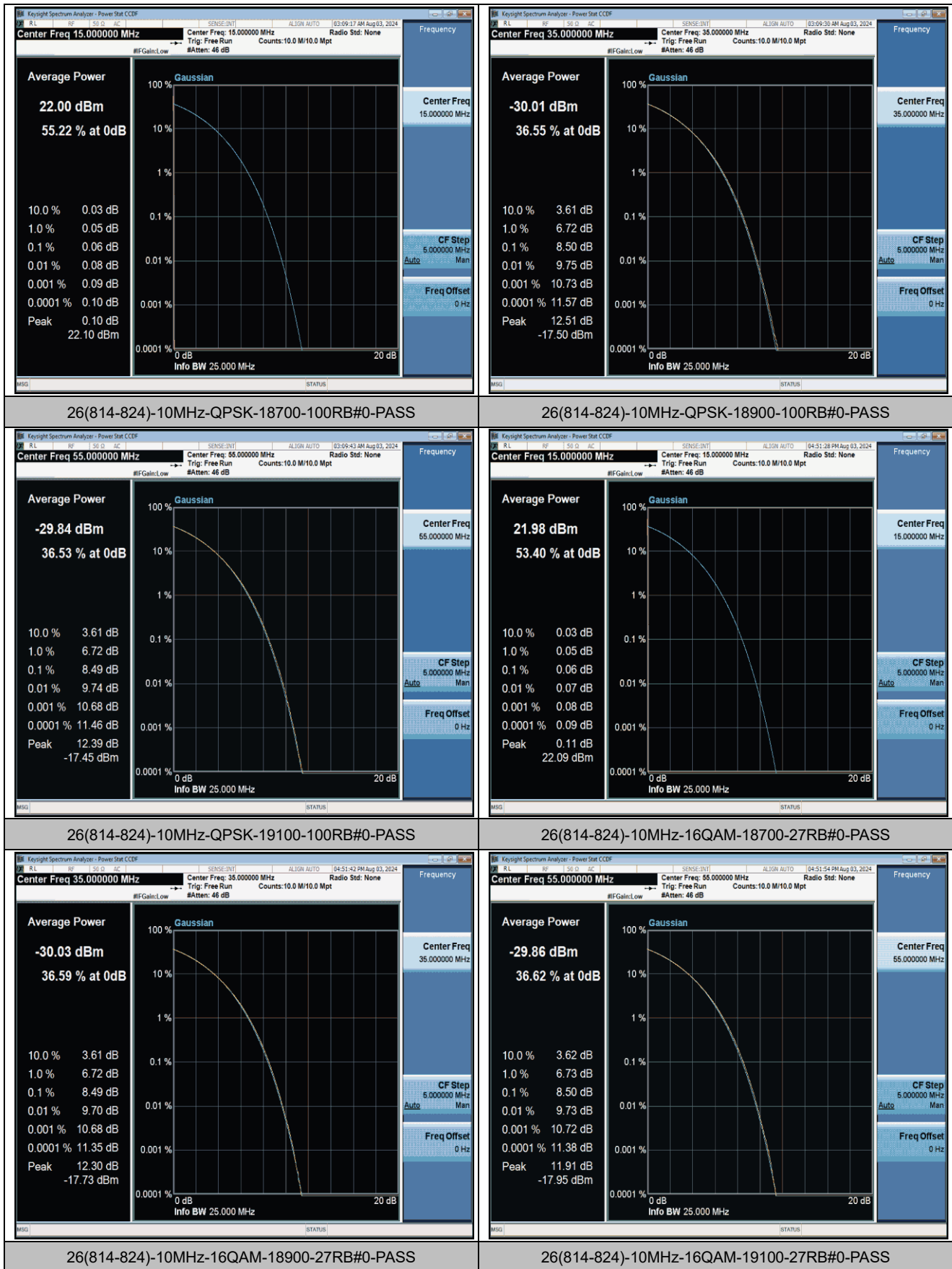
26(814-824)	3MHz	16QAM	26705	1RB#0	23.7	50.00	PASS
26(814-824)	3MHz	16QAM	26705	15RB#0	22.17	50.00	PASS
26(814-824)	3MHz	16QAM	26705	1RB#8	23.65	50.00	PASS
26(814-824)	3MHz	16QAM	26705	1RB#14	22.1	50.00	PASS
26(814-824)	3MHz	16QAM	26740	1RB#0	23.44	50.00	PASS
26(814-824)	3MHz	16QAM	26740	15RB#0	22.41	50.00	PASS
26(814-824)	3MHz	16QAM	26740	1RB#8	23.75	50.00	PASS
26(814-824)	3MHz	16QAM	26740	1RB#14	22.46	50.00	PASS
26(814-824)	3MHz	16QAM	26775	1RB#0	23.63	50.00	PASS
26(814-824)	3MHz	16QAM	26775	15RB#0	22.48	50.00	PASS
26(814-824)	3MHz	16QAM	26775	1RB#8	23.73	50.00	PASS
26(814-824)	3MHz	16QAM	26775	1RB#14	22.32	50.00	PASS
26(814-824)	5MHz	QPSK	26715	1RB#0	24.4	50.00	PASS
26(814-824)	5MHz	QPSK	26715	25RB#0	23.34	50.00	PASS
26(814-824)	5MHz	QPSK	26715	1RB#12	23.86	50.00	PASS
26(814-824)	5MHz	QPSK	26715	1RB#24	23.91	50.00	PASS
26(814-824)	5MHz	QPSK	26740	1RB#0	24.24	50.00	PASS
26(814-824)	5MHz	QPSK	26740	25RB#0	23.58	50.00	PASS
26(814-824)	5MHz	QPSK	26740	1RB#12	23.94	50.00	PASS
26(814-824)	5MHz	QPSK	26740	1RB#24	24.51	50.00	PASS
26(814-824)	5MHz	QPSK	26765	1RB#0	24.36	50.00	PASS
26(814-824)	5MHz	QPSK	26765	25RB#0	23.5	50.00	PASS
26(814-824)	5MHz	QPSK	26765	1RB#12	23.9	50.00	PASS
26(814-824)	5MHz	QPSK	26765	1RB#24	24.23	50.00	PASS
26(814-824)	5MHz	16QAM	26715	1RB#0	23.74	50.00	PASS
26(814-824)	5MHz	16QAM	26715	25RB#0	22.41	50.00	PASS
26(814-824)	5MHz	16QAM	26715	1RB#12	23.18	50.00	PASS
26(814-824)	5MHz	16QAM	26715	1RB#24	23.19	50.00	PASS
26(814-824)	5MHz	16QAM	26740	1RB#0	23.43	50.00	PASS
26(814-824)	5MHz	16QAM	26740	25RB#0	22.62	50.00	PASS
26(814-824)	5MHz	16QAM	26740	1RB#12	23.18	50.00	PASS
26(814-824)	5MHz	16QAM	26740	1RB#24	23.86	50.00	PASS
26(814-824)	5MHz	16QAM	26765	1RB#0	23.65	50.00	PASS
26(814-824)	5MHz	16QAM	26765	25RB#0	22.54	50.00	PASS
26(814-824)	5MHz	16QAM	26765	1RB#12	23.21	50.00	PASS
26(814-824)	5MHz	16QAM	26765	1RB#24	23.55	50.00	PASS
26(814-824)	10MHz	QPSK	26740	1RB#0	24.31	50.00	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	23.27	50.00	PASS
26(814-824)	10MHz	QPSK	26740	1RB#24	24.3	50.00	PASS
26(814-824)	10MHz	QPSK	26740	1RB#49	24.56	50.00	PASS
26(814-824)	10MHz	16QAM	26740	1RB#0	23.59	50.00	PASS
26(814-824)	10MHz	16QAM	26740	27RB#0	22.69	50.00	PASS
26(814-824)	10MHz	16QAM	26740	1RB#24	23.63	50.00	PASS
26(814-824)	10MHz	16QAM	26740	1RB#49	24.06	50.00	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
26(814-824)	10MHz	QPSK	18700	100RB#0	0.06	13	PASS
26(814-824)	10MHz	QPSK	18900	100RB#0	8.50	13	PASS
26(814-824)	10MHz	QPSK	19100	100RB#0	8.49	13	PASS
26(814-824)	10MHz	16QAM	18700	27RB#0	0.06	13	PASS
26(814-824)	10MHz	16QAM	18900	27RB#0	8.49	13	PASS
26(814-824)	10MHz	16QAM	19100	27RB#0	8.50	13	PASS

Test Graphs

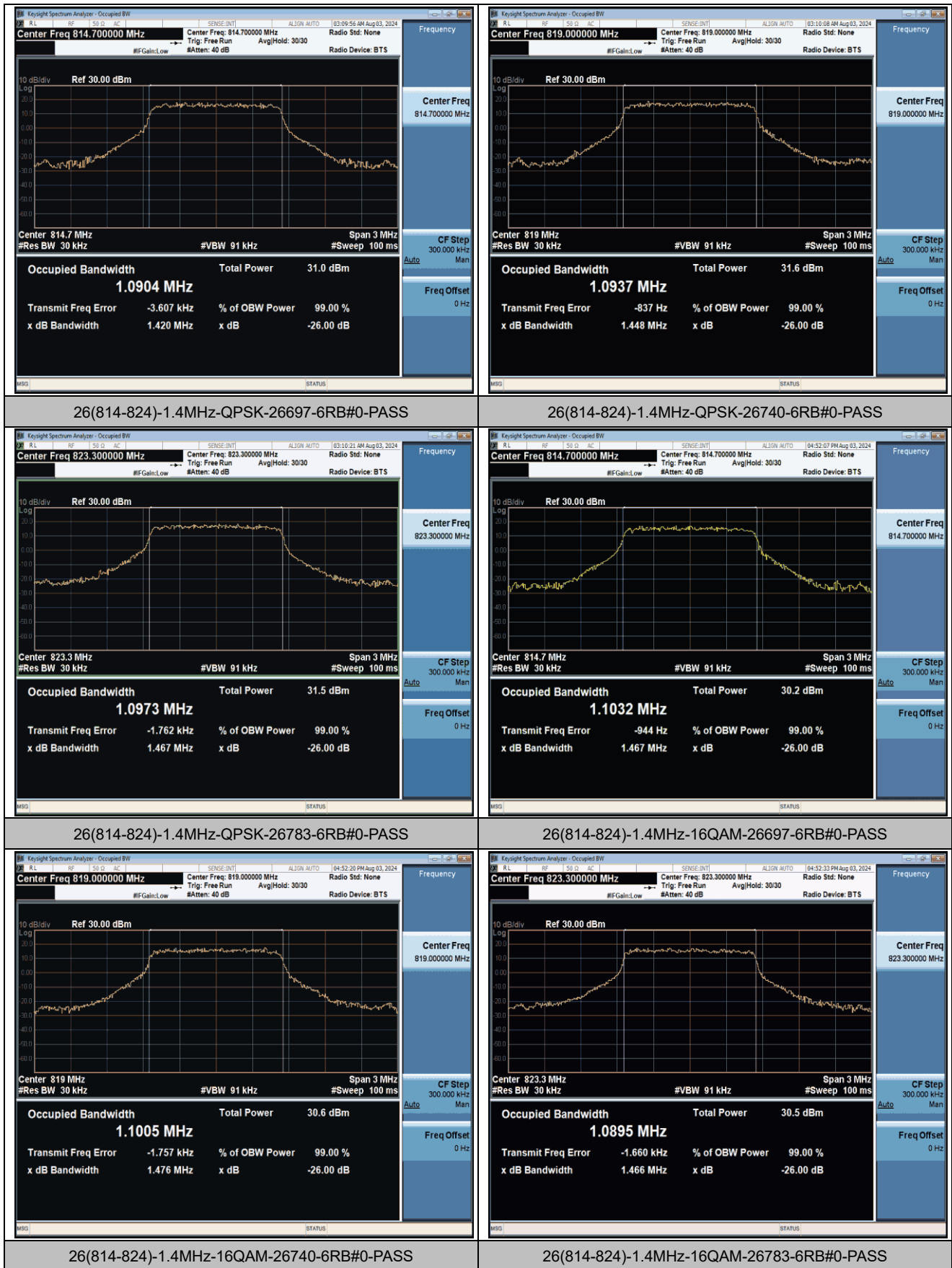


26dB Bandwidth and Occupied Bandwidth

Test Result

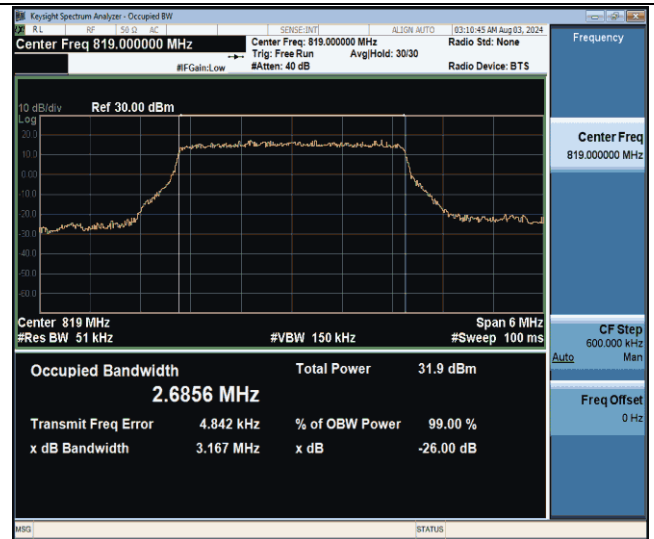
Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
26(814-824)	1.4MHz	QPSK	26697	6RB#0	1.0904	1.420	PASS
26(814-824)	1.4MHz	QPSK	26740	6RB#0	1.0937	1.448	PASS
26(814-824)	1.4MHz	QPSK	26783	6RB#0	1.0973	1.467	PASS
26(814-824)	1.4MHz	16QAM	26697	6RB#0	1.1032	1.467	PASS
26(814-824)	1.4MHz	16QAM	26740	6RB#0	1.1005	1.476	PASS
26(814-824)	1.4MHz	16QAM	26783	6RB#0	1.0895	1.466	PASS
26(814-824)	3MHz	QPSK	26705	15RB#0	2.6918	3.134	PASS
26(814-824)	3MHz	QPSK	26740	15RB#0	2.6856	3.167	PASS
26(814-824)	3MHz	QPSK	26775	15RB#0	2.6899	3.190	PASS
26(814-824)	3MHz	16QAM	26705	15RB#0	2.6863	3.182	PASS
26(814-824)	3MHz	16QAM	26740	15RB#0	2.6843	3.159	PASS
26(814-824)	3MHz	16QAM	26775	15RB#0	2.6861	3.169	PASS
26(814-824)	5MHz	QPSK	26715	25RB#0	4.4832	5.099	PASS
26(814-824)	5MHz	QPSK	26740	25RB#0	4.4716	5.083	PASS
26(814-824)	5MHz	QPSK	26765	25RB#0	4.4822	5.080	PASS
26(814-824)	5MHz	16QAM	26715	25RB#0	4.4808	5.064	PASS
26(814-824)	5MHz	16QAM	26740	25RB#0	4.4769	5.064	PASS
26(814-824)	5MHz	16QAM	26765	25RB#0	4.4889	5.102	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	8.9127	9.666	PASS
26(814-824)	10MHz	16QAM	26740	27RB#0	5.2582	7.813	PASS

Test Graphs





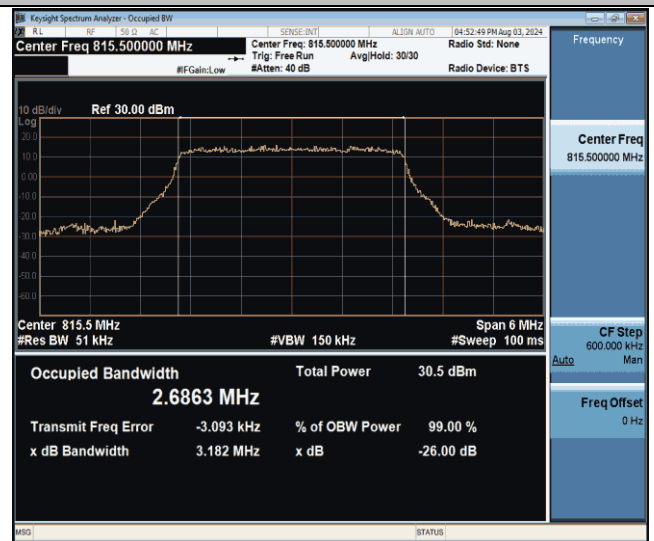
26(814-824)-3MHz-QPSK-26705-15RB#0-PASS



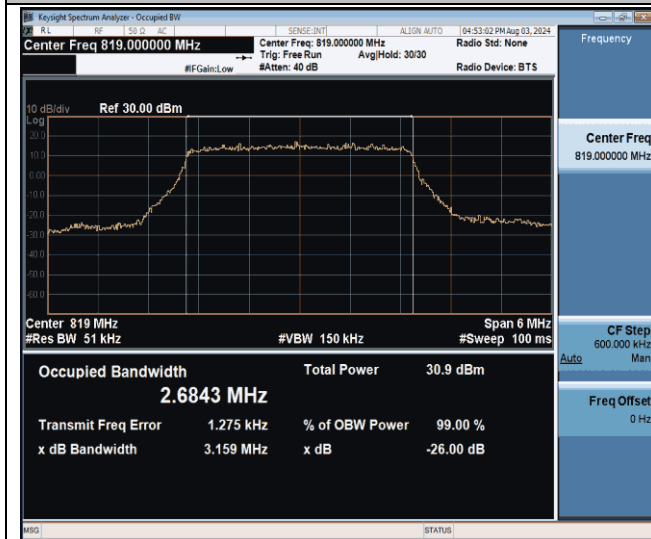
26(814-824)-3MHz-QPSK-26740-15RB#0-PASS



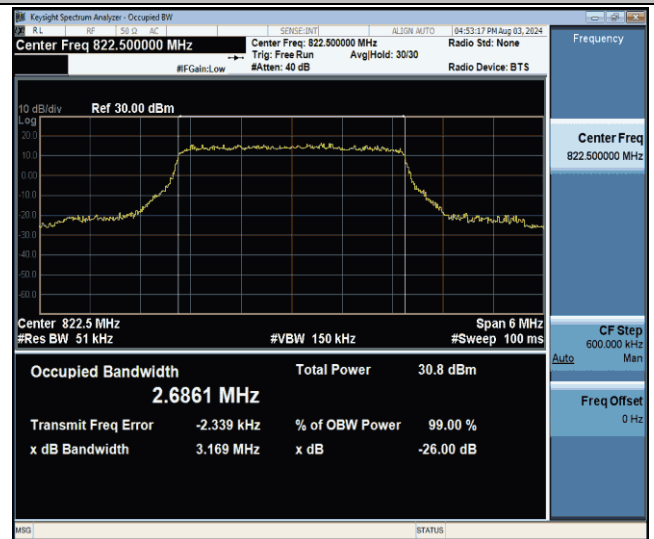
26(814-824)-3MHz-QPSK-26775-15RB#0-PASS



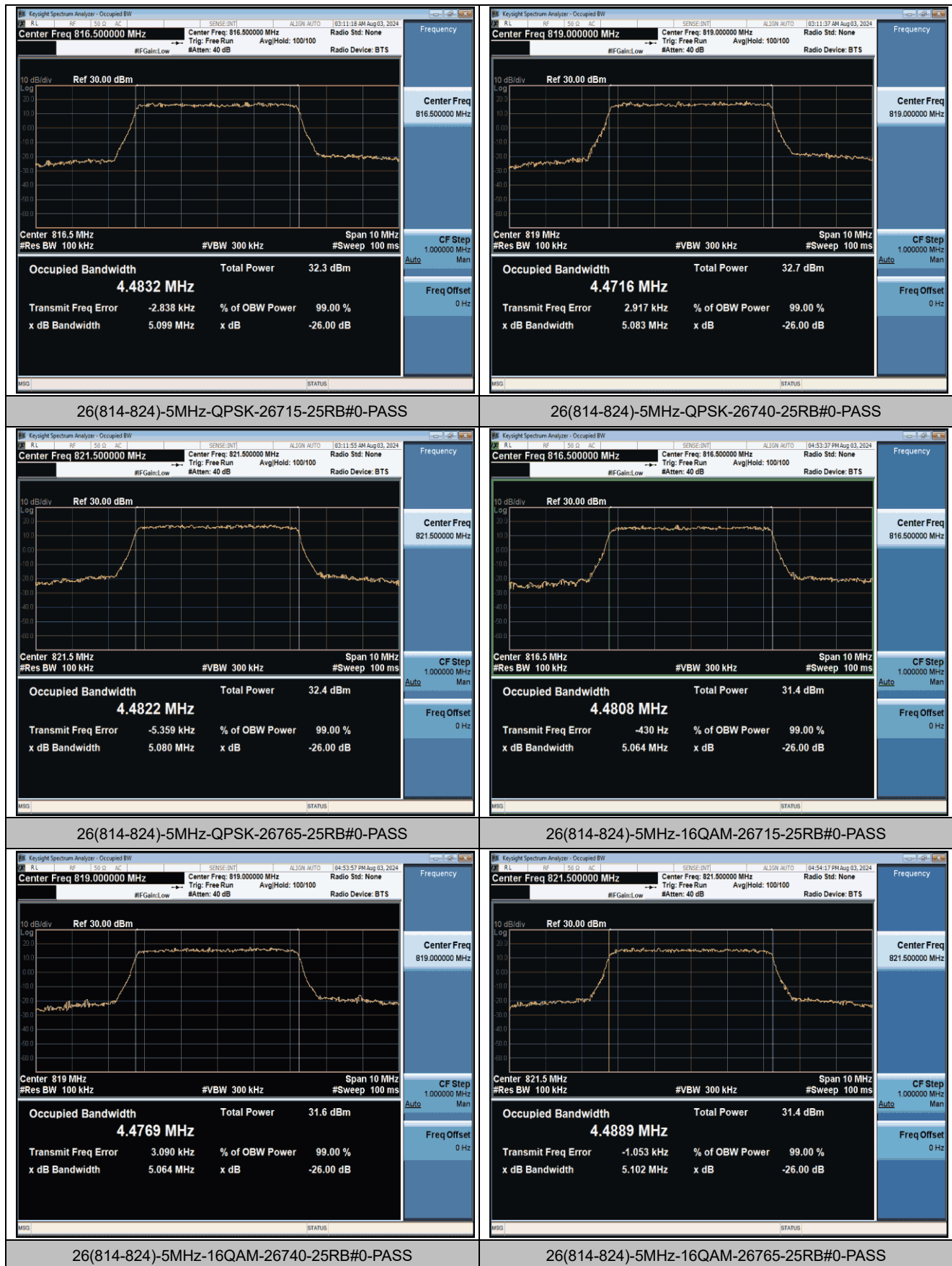
26(814-824)-3MHz-16QAM-26705-15RB#0-PASS



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



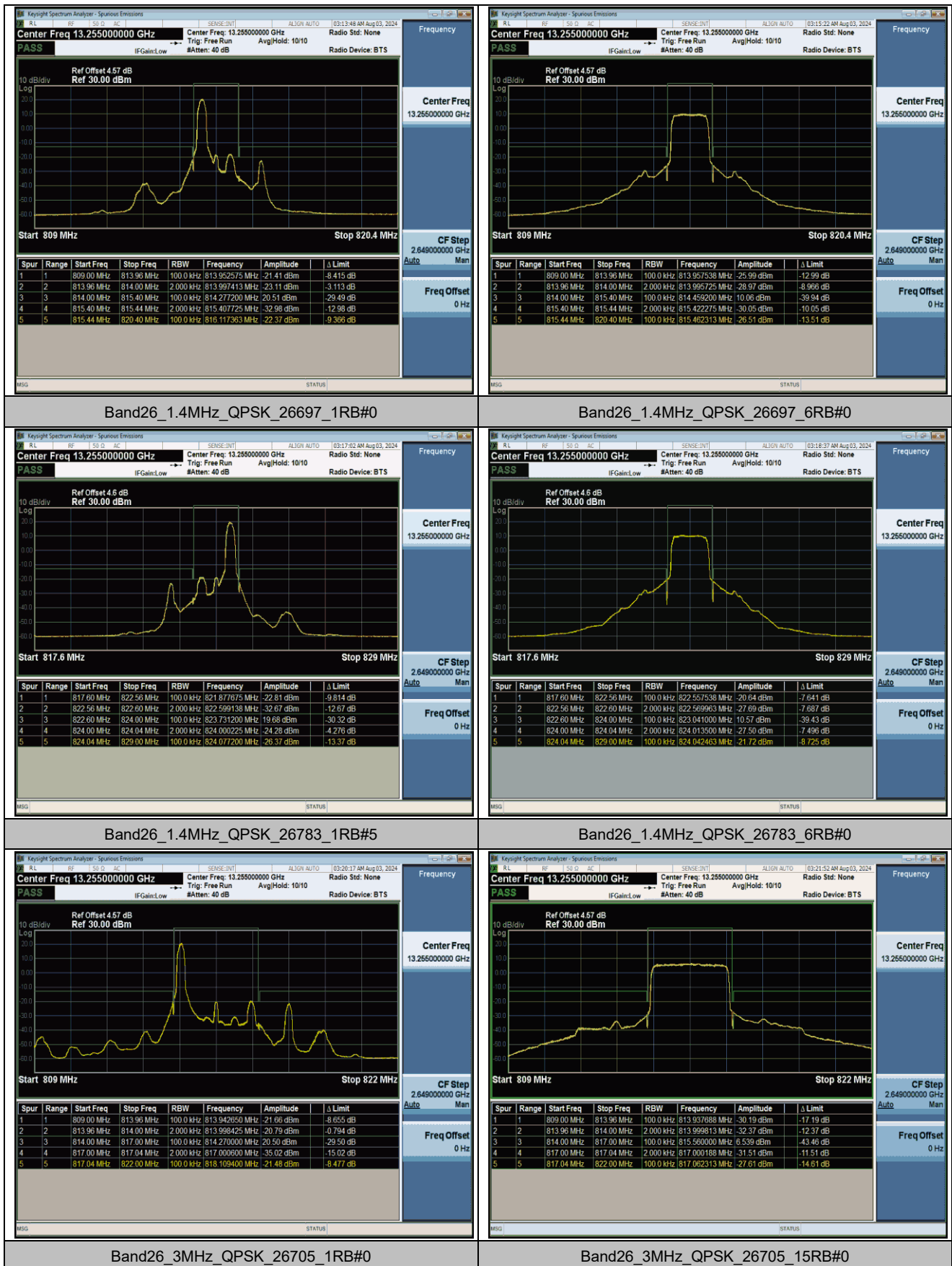
26(814-824)-3MHz-16QAM-26775-15RB#0-PASS

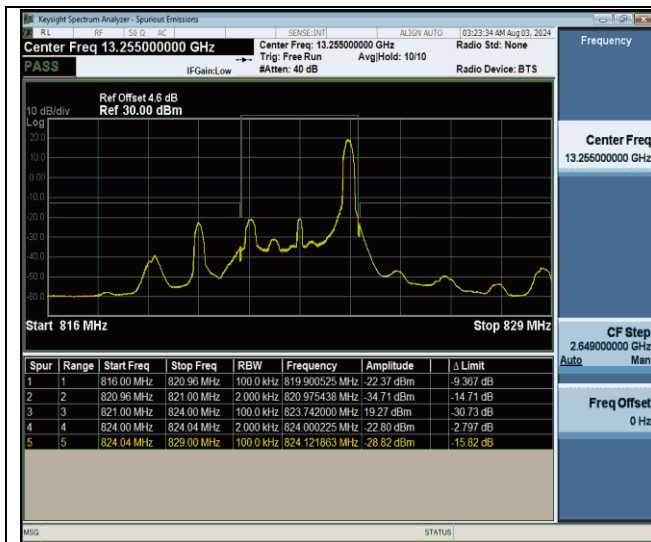




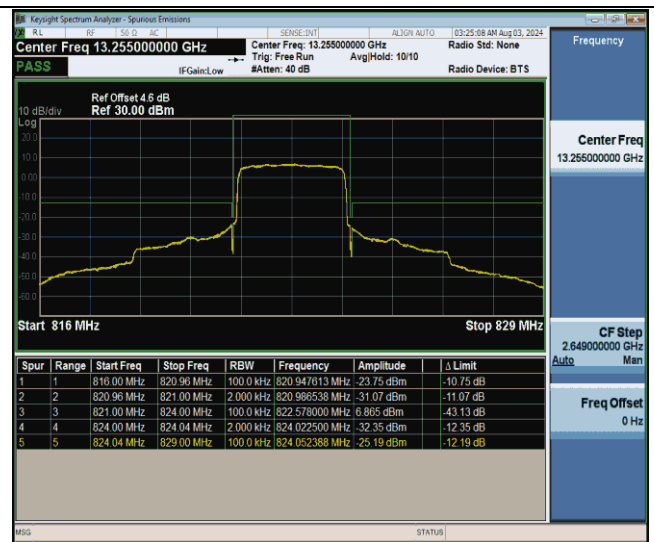
Band Edge

Test Graphs

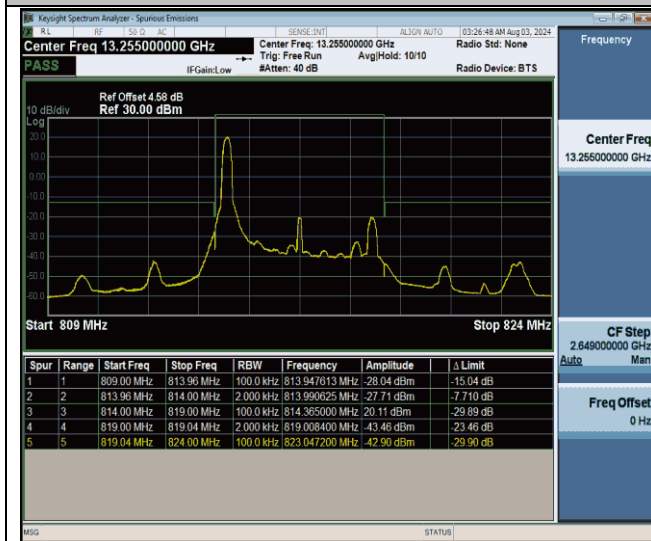




Band26_3MHz_QPSK_26775_1RB#14



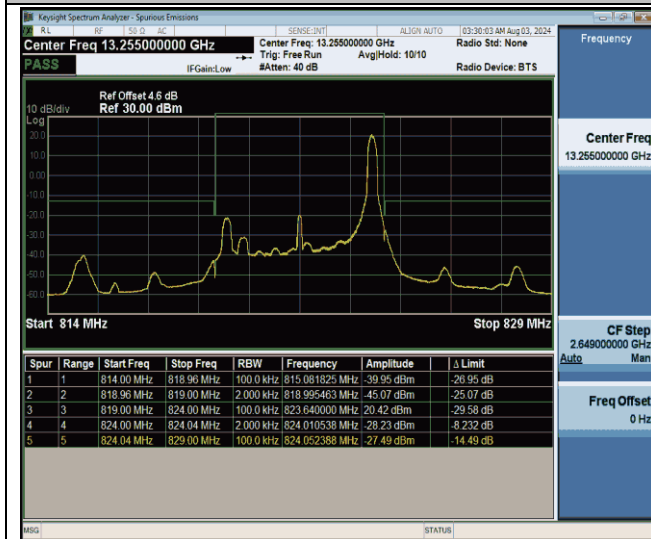
Band26_3MHz_QPSK_26775_15RB#0



Band26_5MHz_QPSK_26715_1RB#0



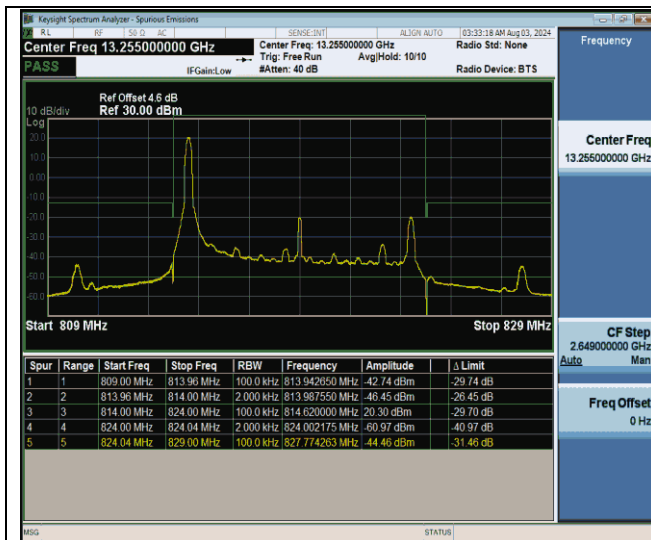
Band26_5MHz_QPSK_26715_25RB#0



Band26_5MHz_QPSK_26765_1RB#24



Band26_5MHz_QPSK_26765_25RB#0



Band26_10MHz_QPSK_26740_1RB#0



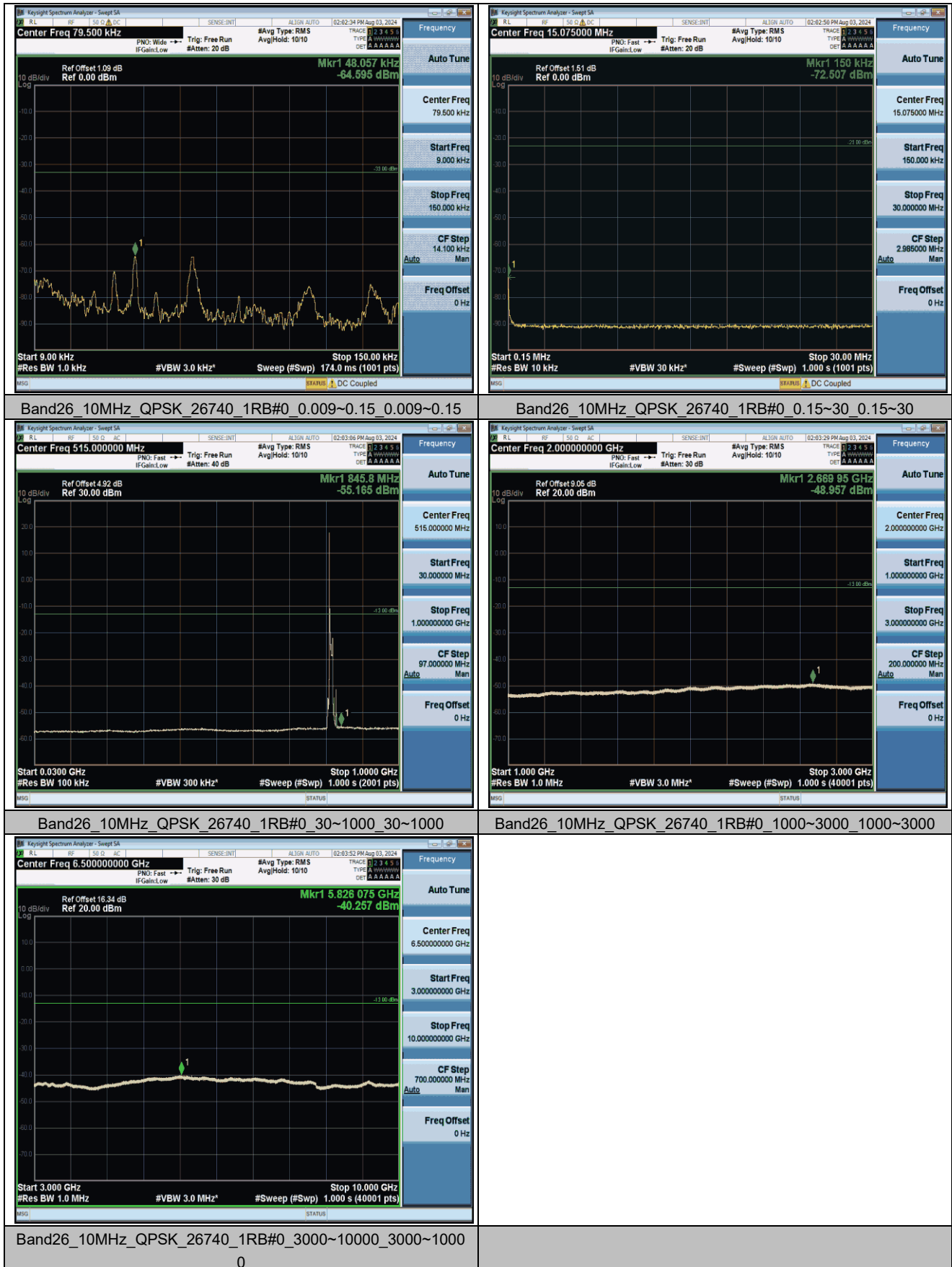
Band26_10MHz_QPSK_26740_1RB#49



Band26_10MHz_QPSK_26740_50RB#0

Conducted Spurious Emission

Test Graphs



Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
26(814-824)	10MHz	QPSK	26740	100RB#0	VN	NT	-8.75	-0.010684	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	VL	NT	-9.46	-0.011551	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	VH	NT	-5.09	-0.006215	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	-30	-7.65	-0.009341	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	-20	-8.88	-0.010842	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	-10	-7.27	-0.008877	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	0	-8.25	-0.010073	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	10	-3.18	-0.003883	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	20	-7.45	-0.009096	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	30	-8.73	-0.010659	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	40	-8.24	-0.010061	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	50	-2.73	-0.003333	PASS