

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	23.72	50	PASS
26(814-824)	1.4MHz	QPSK	26697	1RB#2	24.26	50	PASS
26(814-824)	1.4MHz	QPSK	26697	1RB#5	24.19	50	PASS
26(814-824)	1.4MHz	QPSK	26697	6RB#0	22.90	50	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#0	22.95	50	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#2	22.79	50	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#5	23.46	50	PASS
26(814-824)	1.4MHz	16QAM	26697	6RB#0	21.90	50	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#0	24.00	50	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#2	24.21	50	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#5	23.90	50	PASS
26(814-824)	1.4MHz	QPSK	26740	6RB#0	23.08	50	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#0	23.05	50	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#2	23.08	50	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#5	23.19	50	PASS
26(814-824)	1.4MHz	16QAM	26740	6RB#0	22.14	50	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#0	23.90	50	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#2	23.98	50	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#5	23.91	50	PASS
26(814-824)	1.4MHz	QPSK	26783	6RB#0	23.09	50	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#0	22.87	50	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#2	22.90	50	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#5	22.80	50	PASS
26(814-824)	1.4MHz	16QAM	26783	6RB#0	21.88	50	PASS
26(814-824)	3MHz	QPSK	26705	1RB#0	23.76	50	PASS
26(814-824)	3MHz	QPSK	26705	1RB#8	23.95	50	PASS
26(814-824)	3MHz	QPSK	26705	1RB#14	23.94	50	PASS
26(814-824)	3MHz	QPSK	26705	15RB#0	23.06	50	PASS
26(814-824)	3MHz	16QAM	26705	1RB#0	22.88	50	PASS
26(814-824)	3MHz	16QAM	26705	1RB#8	22.94	50	PASS
26(814-824)	3MHz	16QAM	26705	1RB#14	23.04	50	PASS
26(814-824)	3MHz	16QAM	26705	15RB#0	21.96	50	PASS
26(814-824)	3MHz	QPSK	26740	1RB#0	24.35	50	PASS
26(814-824)	3MHz	QPSK	26740	1RB#8	24.31	50	PASS
26(814-824)	3MHz	QPSK	26740	1RB#14	23.98	50	PASS
26(814-824)	3MHz	QPSK	26740	15RB#0	23.18	50	PASS
26(814-824)	3MHz	16QAM	26740	1RB#0	23.63	50	PASS

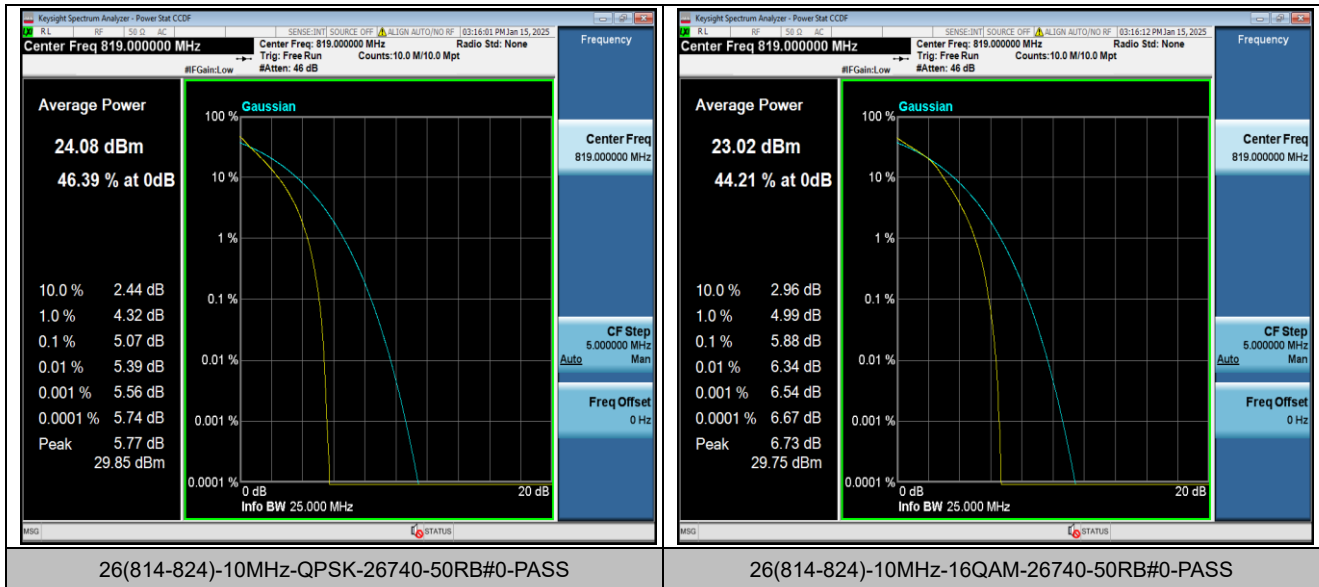
26(814-824)	3MHz	16QAM	26740	1RB#8	22.98	50	PASS
26(814-824)	3MHz	16QAM	26740	1RB#14	23.07	50	PASS
26(814-824)	3MHz	16QAM	26740	15RB#0	22.09	50	PASS
26(814-824)	3MHz	QPSK	26775	1RB#0	24.05	50	PASS
26(814-824)	3MHz	QPSK	26775	1RB#8	24.20	50	PASS
26(814-824)	3MHz	QPSK	26775	1RB#14	23.88	50	PASS
26(814-824)	3MHz	QPSK	26775	15RB#0	23.06	50	PASS
26(814-824)	3MHz	16QAM	26775	1RB#0	23.25	50	PASS
26(814-824)	3MHz	16QAM	26775	1RB#8	22.89	50	PASS
26(814-824)	3MHz	16QAM	26775	1RB#14	23.06	50	PASS
26(814-824)	3MHz	16QAM	26775	15RB#0	21.94	50	PASS
26(814-824)	5MHz	QPSK	26715	1RB#0	23.78	50	PASS
26(814-824)	5MHz	QPSK	26715	1RB#12	24.15	50	PASS
26(814-824)	5MHz	QPSK	26715	1RB#24	23.97	50	PASS
26(814-824)	5MHz	QPSK	26715	25RB#0	23.01	50	PASS
26(814-824)	5MHz	16QAM	26715	1RB#0	22.67	50	PASS
26(814-824)	5MHz	16QAM	26715	1RB#12	22.95	50	PASS
26(814-824)	5MHz	16QAM	26715	1RB#24	22.90	50	PASS
26(814-824)	5MHz	16QAM	26715	25RB#0	21.99	50	PASS
26(814-824)	5MHz	QPSK	26740	1RB#0	24.12	50	PASS
26(814-824)	5MHz	QPSK	26740	1RB#12	24.43	50	PASS
26(814-824)	5MHz	QPSK	26740	1RB#24	23.81	50	PASS
26(814-824)	5MHz	QPSK	26740	25RB#0	23.17	50	PASS
26(814-824)	5MHz	16QAM	26740	1RB#0	23.05	50	PASS
26(814-824)	5MHz	16QAM	26740	1RB#12	22.97	50	PASS
26(814-824)	5MHz	16QAM	26740	1RB#24	22.93	50	PASS
26(814-824)	5MHz	16QAM	26740	25RB#0	22.15	50	PASS
26(814-824)	5MHz	QPSK	26765	1RB#0	24.05	50	PASS
26(814-824)	5MHz	QPSK	26765	1RB#12	24.37	50	PASS
26(814-824)	5MHz	QPSK	26765	1RB#24	23.97	50	PASS
26(814-824)	5MHz	QPSK	26765	25RB#0	23.07	50	PASS
26(814-824)	5MHz	16QAM	26765	1RB#0	22.97	50	PASS
26(814-824)	5MHz	16QAM	26765	1RB#12	22.93	50	PASS
26(814-824)	5MHz	16QAM	26765	1RB#24	23.10	50	PASS
26(814-824)	5MHz	16QAM	26765	25RB#0	22.24	50	PASS
26(814-824)	10MHz	QPSK	26740	1RB#0	23.99	50	PASS
26(814-824)	10MHz	QPSK	26740	1RB#24	24.21	50	PASS
26(814-824)	10MHz	QPSK	26740	1RB#49	23.80	50	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	23.17	50	PASS
26(814-824)	10MHz	16QAM	26740	1RB#0	22.75	50	PASS
26(814-824)	10MHz	16QAM	26740	1RB#24	23.00	50	PASS
26(814-824)	10MHz	16QAM	26740	1RB#49	22.90	50	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	22.00	50	PASS

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	5.07	13	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	5.88	13	PASS

Test Graphs

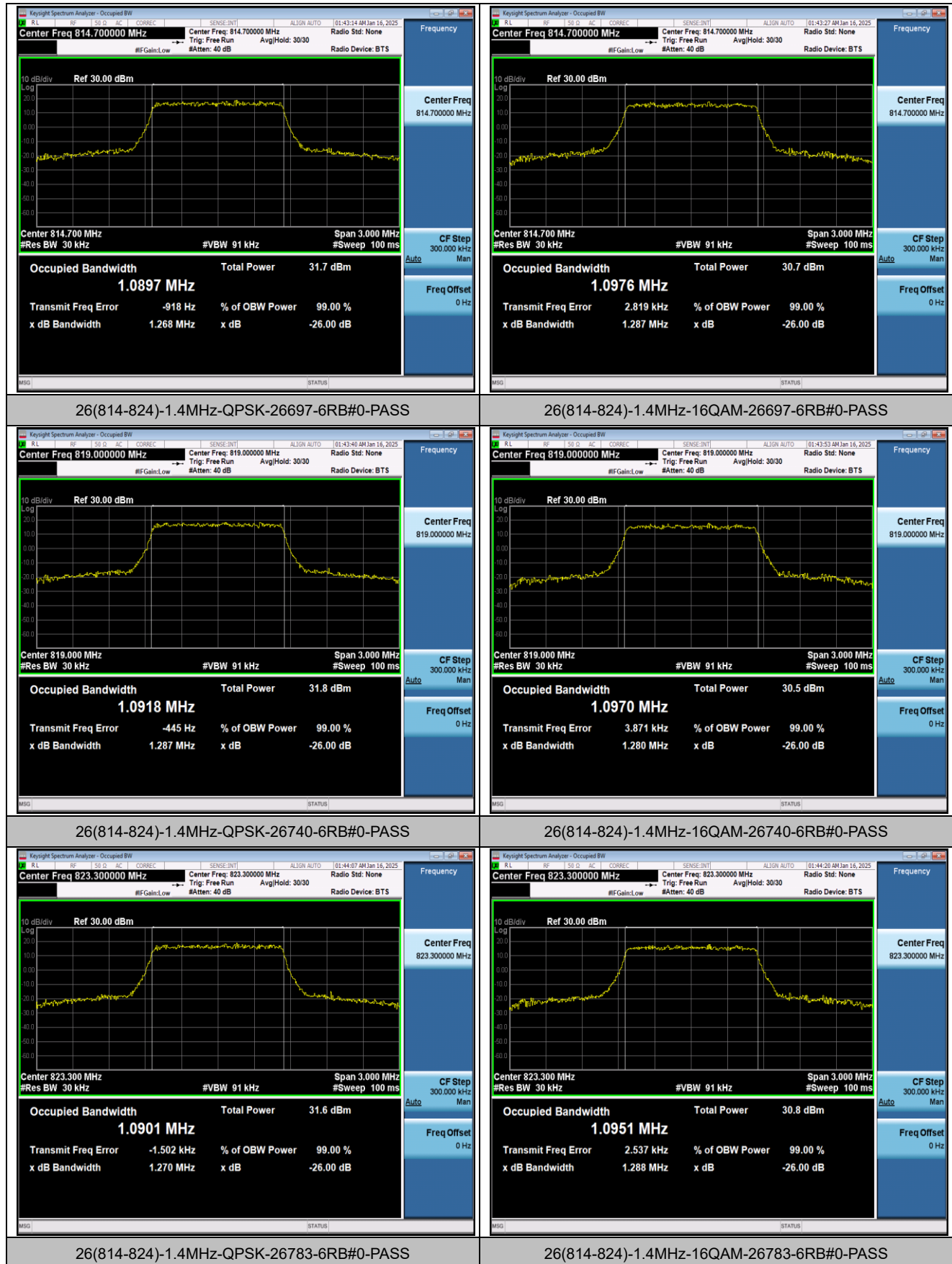


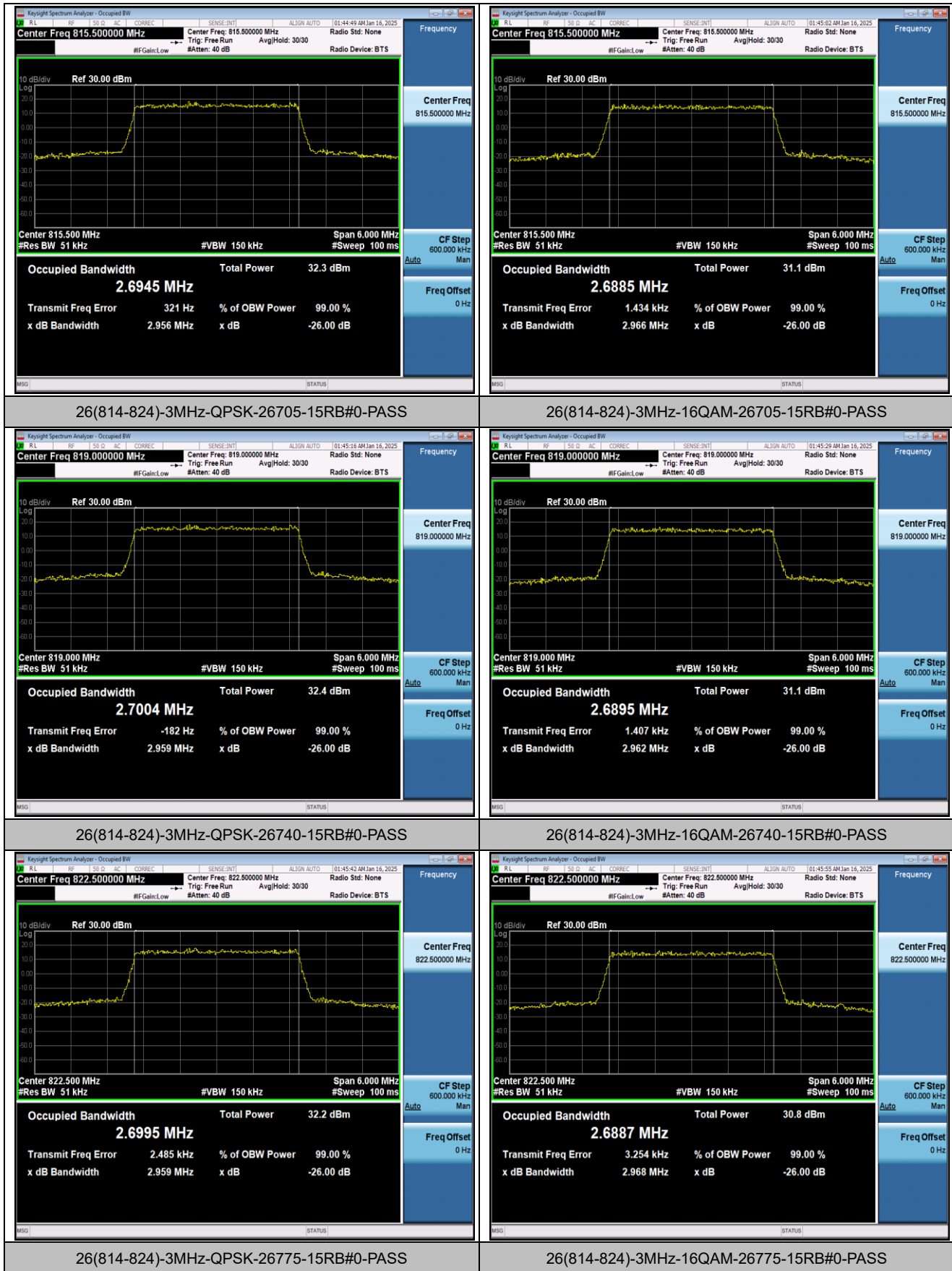
26dB Bandwidth and Occupied Bandwidth

Test Result

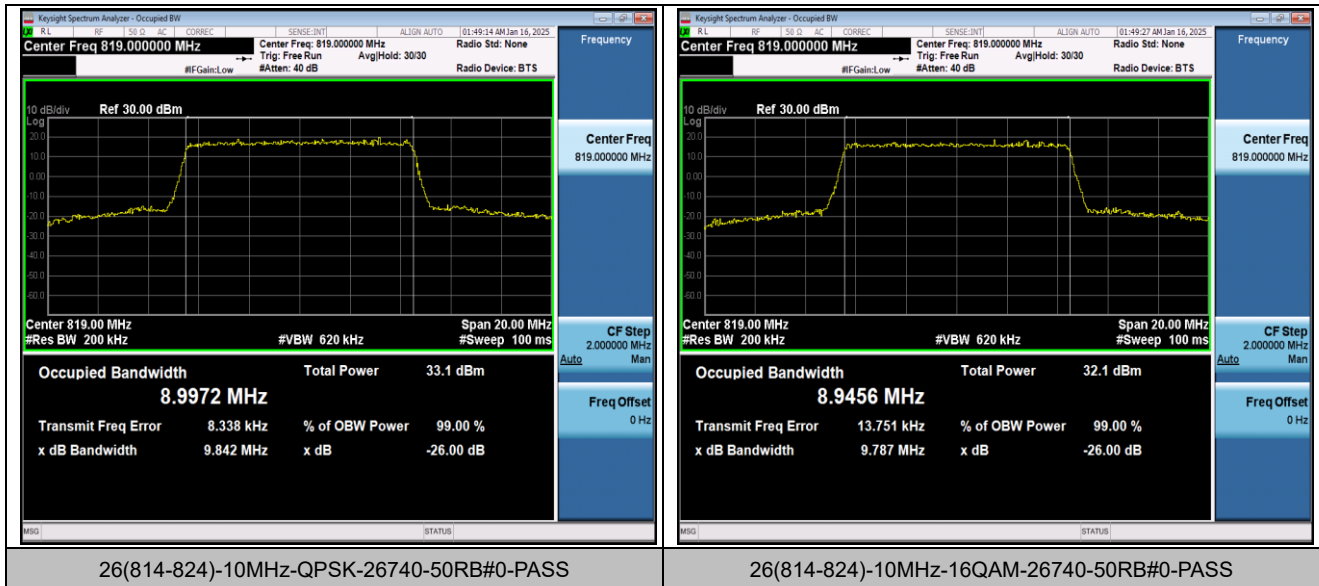
Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
26(814-824)	1.4MHz	QPSK	26697	6RB#0	1.0897	1.268	PASS
26(814-824)	1.4MHz	16QAM	26697	6RB#0	1.0976	1.287	PASS
26(814-824)	1.4MHz	QPSK	26740	6RB#0	1.0918	1.287	PASS
26(814-824)	1.4MHz	16QAM	26740	6RB#0	1.0970	1.280	PASS
26(814-824)	1.4MHz	QPSK	26783	6RB#0	1.0901	1.270	PASS
26(814-824)	1.4MHz	16QAM	26783	6RB#0	1.0951	1.288	PASS
26(814-824)	3MHz	QPSK	26705	15RB#0	2.6945	2.956	PASS
26(814-824)	3MHz	16QAM	26705	15RB#0	2.6885	2.966	PASS
26(814-824)	3MHz	QPSK	26740	15RB#0	2.7004	2.959	PASS
26(814-824)	3MHz	16QAM	26740	15RB#0	2.6895	2.962	PASS
26(814-824)	3MHz	QPSK	26775	15RB#0	2.6995	2.959	PASS
26(814-824)	3MHz	16QAM	26775	15RB#0	2.6887	2.968	PASS
26(814-824)	5MHz	QPSK	26715	25RB#0	4.4884	4.972	PASS
26(814-824)	5MHz	16QAM	26715	25RB#0	4.4877	5.010	PASS
26(814-824)	5MHz	QPSK	26740	25RB#0	4.4890	4.978	PASS
26(814-824)	5MHz	16QAM	26740	25RB#0	4.4877	5.026	PASS
26(814-824)	5MHz	QPSK	26765	25RB#0	4.4869	4.966	PASS
26(814-824)	5MHz	16QAM	26765	25RB#0	4.4902	5.012	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	8.9972	9.842	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	8.9456	9.787	PASS

Test Graphs



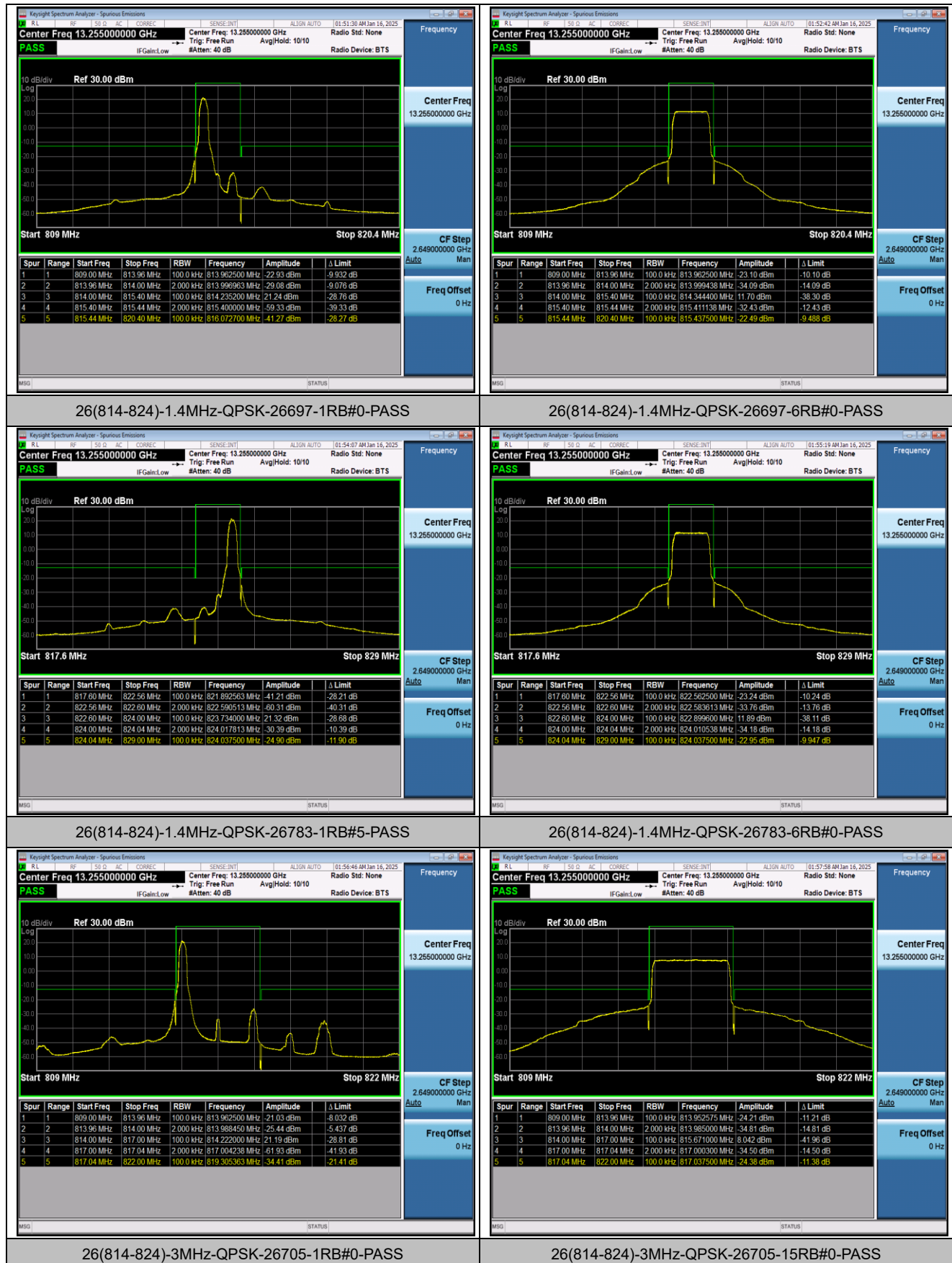


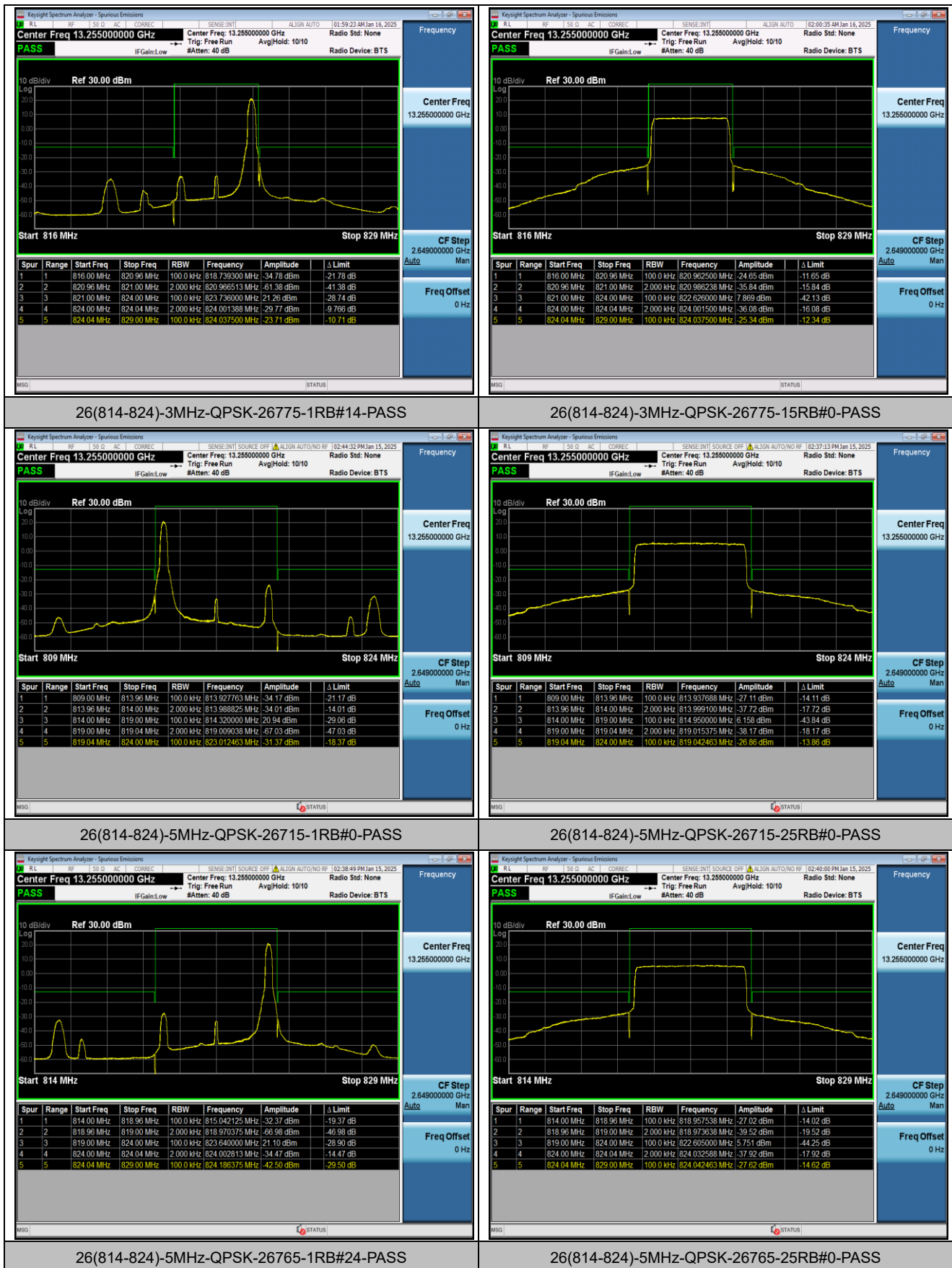


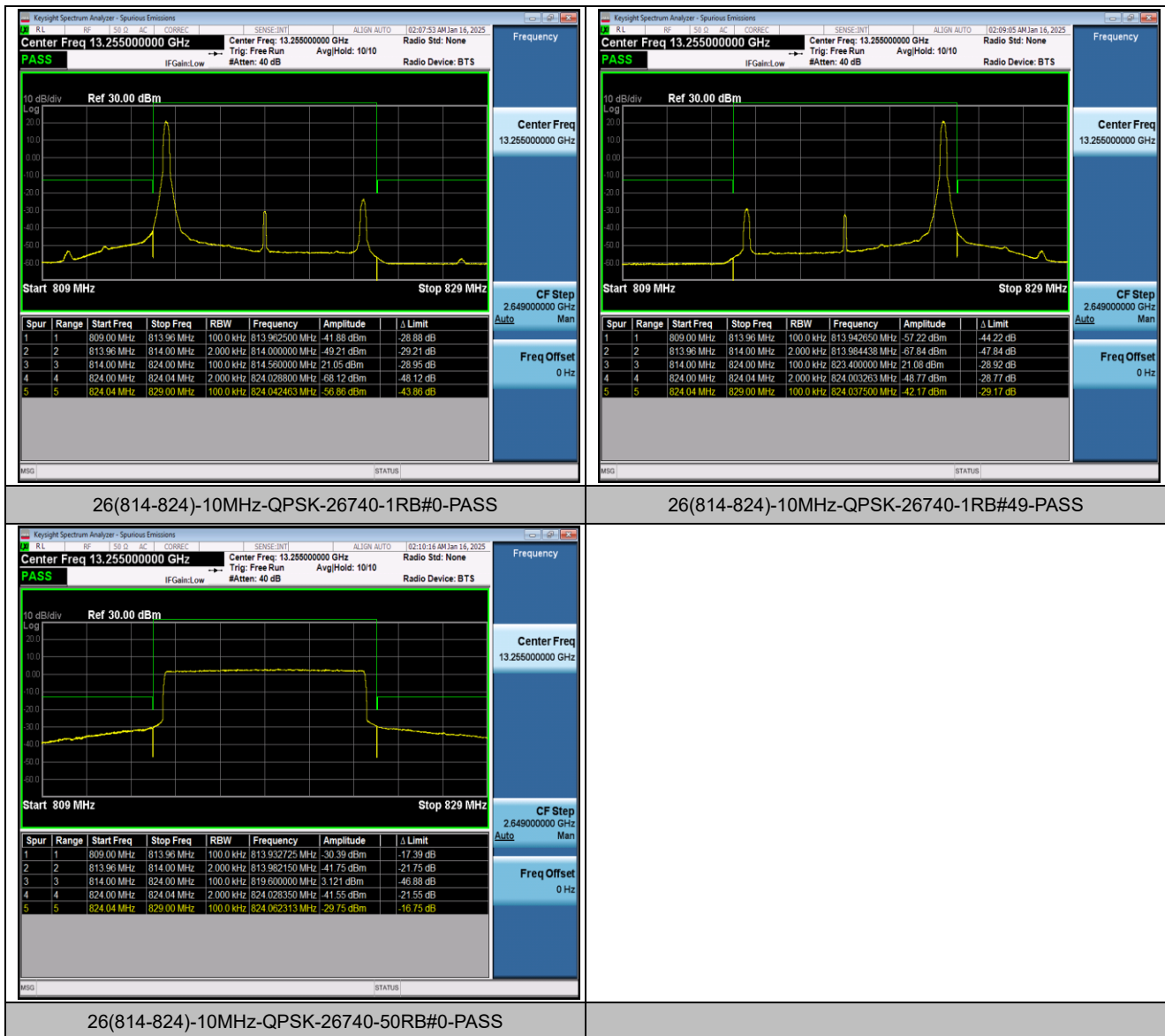


Band Edge

Test Graphs







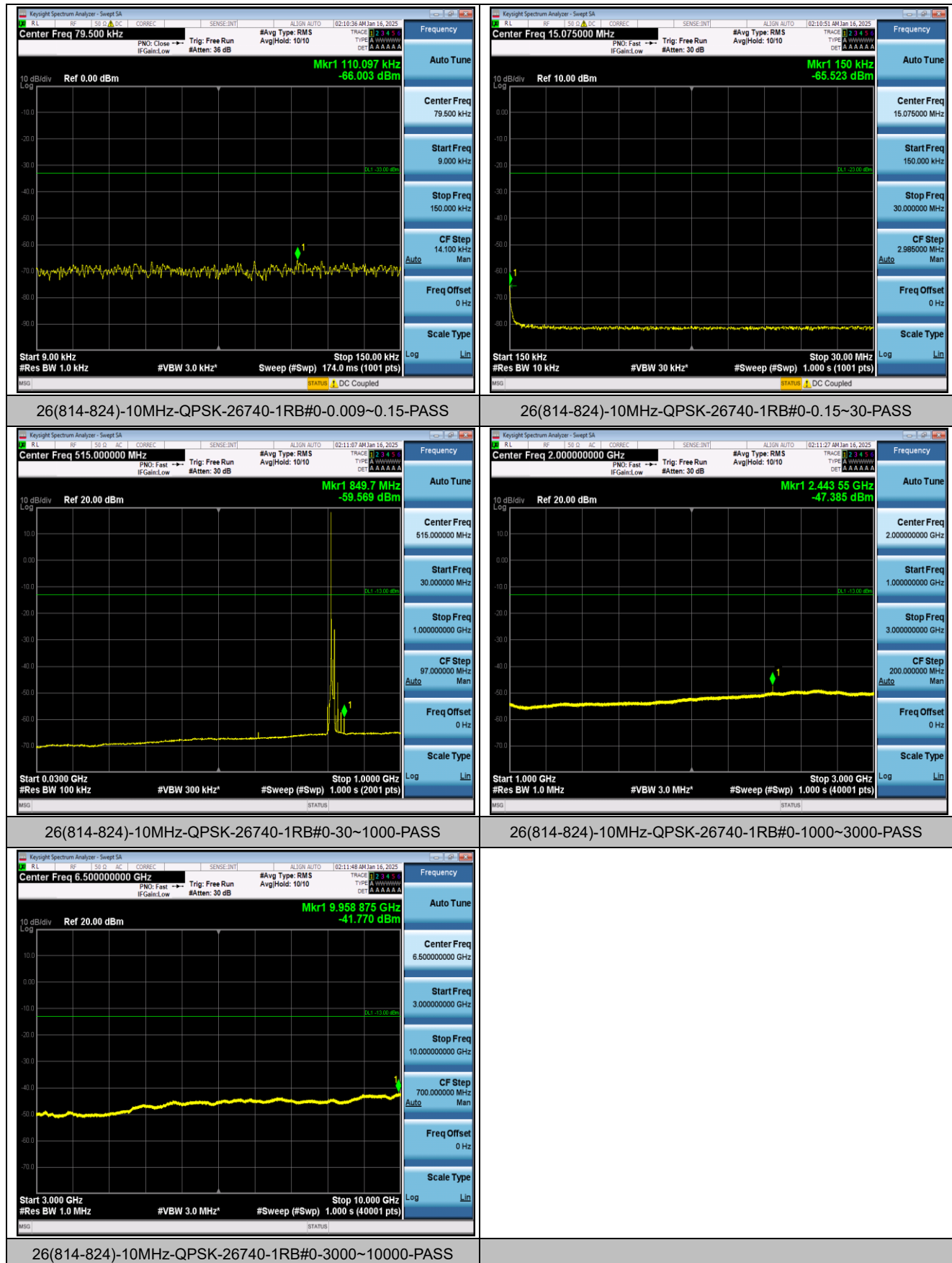
26(814-824)-10MHz-QPSK-26740-1RB#0-PASS

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

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

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	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	0.10	0.000122	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	-0.70	-0.000855	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	-20	0.10	0.000122	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	-10	-1.30	-0.001587	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	0	0.00	0.000000	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	10	-0.20	-0.000244	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	20	-0.10	-0.000122	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	30	-0.10	-0.000122	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	40	-0.80	-0.000977	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	50	-0.30	-0.000366	PASS

~The End~