

# 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	23.11	50	PASS
26(814-824)	1.4MHz	QPSK	26697	1RB#2	23.15	50	PASS
26(814-824)	1.4MHz	QPSK	26697	1RB#5	23.18	50	PASS
26(814-824)	1.4MHz	QPSK	26697	6RB#0	22.17	50	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#0	22.61	50	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#2	22.35	50	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#5	22.39	50	PASS
26(814-824)	1.4MHz	16QAM	26697	6RB#0	21.24	50	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#0	23.12	50	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#2	23.21	50	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#5	23.15	50	PASS
26(814-824)	1.4MHz	QPSK	26740	6RB#0	22.16	50	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#0	22.58	50	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#2	22.52	50	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#5	22.33	50	PASS
26(814-824)	1.4MHz	16QAM	26740	6RB#0	21.27	50	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#0	23.02	50	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#2	23.11	50	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#5	23.01	50	PASS
26(814-824)	1.4MHz	QPSK	26783	6RB#0	22.15	50	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#0	22.43	50	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#2	22.44	50	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#5	22.57	50	PASS
26(814-824)	1.4MHz	16QAM	26783	6RB#0	21.33	50	PASS
26(814-824)	3MHz	QPSK	26705	1RB#0	23.18	50	PASS
26(814-824)	3MHz	QPSK	26705	1RB#8	23.2	50	PASS
26(814-824)	3MHz	QPSK	26705	1RB#14	23.22	50	PASS
26(814-824)	3MHz	QPSK	26705	15RB#0	22.28	50	PASS
26(814-824)	3MHz	16QAM	26705	1RB#0	22.62	50	PASS
26(814-824)	3MHz	16QAM	26705	1RB#8	22.33	50	PASS
26(814-824)	3MHz	16QAM	26705	1RB#14	22.5	50	PASS
26(814-824)	3MHz	16QAM	26705	15RB#0	21.34	50	PASS
26(814-824)	3MHz	QPSK	26740	1RB#0	23.28	50	PASS
26(814-824)	3MHz	QPSK	26740	1RB#8	23.19	50	PASS
26(814-824)	3MHz	QPSK	26740	1RB#14	23.19	50	PASS
26(814-824)	3MHz	QPSK	26740	15RB#0	22.16	50	PASS
26(814-824)	3MHz	16QAM	26740	1RB#0	22.29	50	PASS

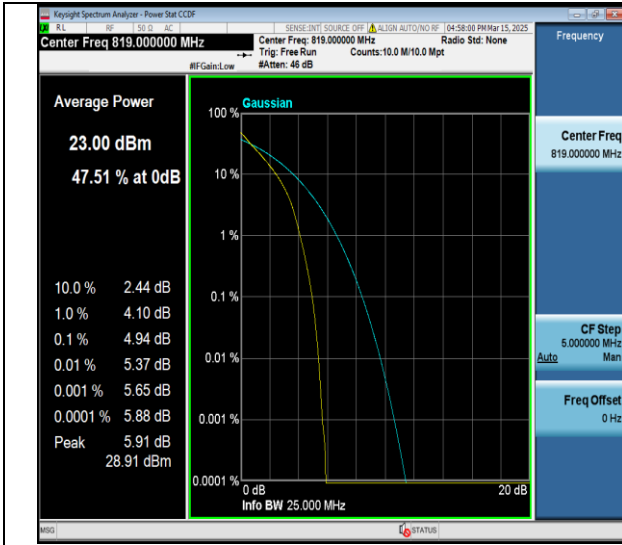
26(814-824)	3MHz	16QAM	26740	1RB#8	22.38	50	PASS
26(814-824)	3MHz	16QAM	26740	1RB#14	22.25	50	PASS
26(814-824)	3MHz	16QAM	26740	15RB#0	21.24	50	PASS
26(814-824)	3MHz	QPSK	26775	1RB#0	23.18	50	PASS
26(814-824)	3MHz	QPSK	26775	1RB#8	23.05	50	PASS
26(814-824)	3MHz	QPSK	26775	1RB#14	23.12	50	PASS
26(814-824)	3MHz	QPSK	26775	15RB#0	22.25	50	PASS
26(814-824)	3MHz	16QAM	26775	1RB#0	22.14	50	PASS
26(814-824)	3MHz	16QAM	26775	1RB#8	22.63	50	PASS
26(814-824)	3MHz	16QAM	26775	1RB#14	22.49	50	PASS
26(814-824)	3MHz	16QAM	26775	15RB#0	21.36	50	PASS
26(814-824)	5MHz	QPSK	26715	1RB#0	23.19	50	PASS
26(814-824)	5MHz	QPSK	26715	1RB#12	23.22	50	PASS
26(814-824)	5MHz	QPSK	26715	1RB#24	23.09	50	PASS
26(814-824)	5MHz	QPSK	26715	25RB#0	22.2	50	PASS
26(814-824)	5MHz	16QAM	26715	1RB#0	22.64	50	PASS
26(814-824)	5MHz	16QAM	26715	1RB#12	22.35	50	PASS
26(814-824)	5MHz	16QAM	26715	1RB#24	22.2	50	PASS
26(814-824)	5MHz	16QAM	26715	25RB#0	21.3	50	PASS
26(814-824)	5MHz	QPSK	26740	1RB#0	23.28	50	PASS
26(814-824)	5MHz	QPSK	26740	1RB#12	23.17	50	PASS
26(814-824)	5MHz	QPSK	26740	1RB#24	23.12	50	PASS
26(814-824)	5MHz	QPSK	26740	25RB#0	22.24	50	PASS
26(814-824)	5MHz	16QAM	26740	1RB#0	22.58	50	PASS
26(814-824)	5MHz	16QAM	26740	1RB#12	22.57	50	PASS
26(814-824)	5MHz	16QAM	26740	1RB#24	22.49	50	PASS
26(814-824)	5MHz	16QAM	26740	25RB#0	21.31	50	PASS
26(814-824)	5MHz	QPSK	26765	1RB#0	23.16	50	PASS
26(814-824)	5MHz	QPSK	26765	1RB#12	23.12	50	PASS
26(814-824)	5MHz	QPSK	26765	1RB#24	23	50	PASS
26(814-824)	5MHz	QPSK	26765	25RB#0	22.11	50	PASS
26(814-824)	5MHz	16QAM	26765	1RB#0	22.42	50	PASS
26(814-824)	5MHz	16QAM	26765	1RB#12	22.51	50	PASS
26(814-824)	5MHz	16QAM	26765	1RB#24	22.47	50	PASS
26(814-824)	5MHz	16QAM	26765	25RB#0	21.21	50	PASS
26(814-824)	10MHz	QPSK	26740	1RB#0	23.35	50	PASS
26(814-824)	10MHz	QPSK	26740	1RB#24	23.24	50	PASS
26(814-824)	10MHz	QPSK	26740	1RB#49	23.07	50	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	22.25	50	PASS
26(814-824)	10MHz	16QAM	26740	1RB#0	22.57	50	PASS
26(814-824)	10MHz	16QAM	26740	1RB#24	22.58	50	PASS
26(814-824)	10MHz	16QAM	26740	1RB#49	22.43	50	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	21.35	50	PASS

## Peak-to-Average Ratio(CCDF)

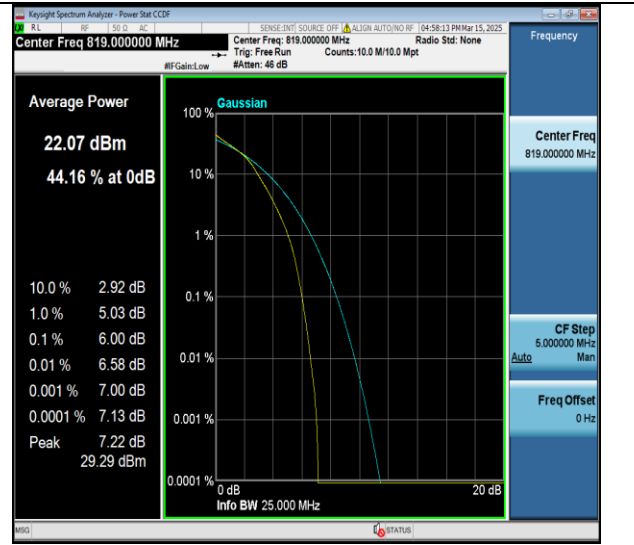
### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
26(814-824)	10MHz	QPSK	26740	50RB#0	4.94	13	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	6.00	13	PASS

## Test Graphs



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



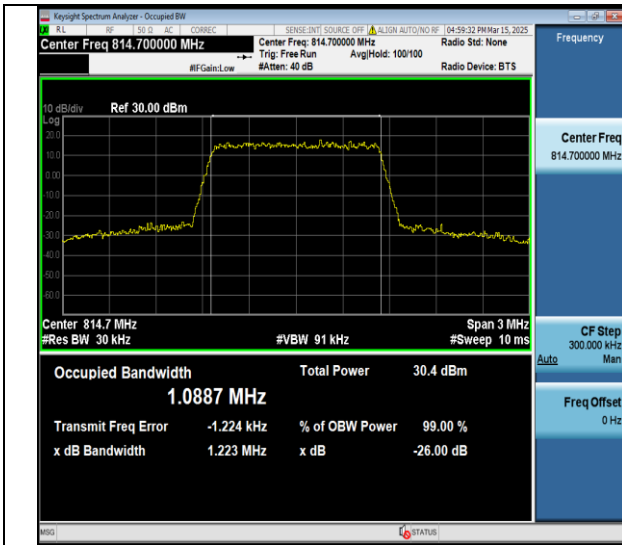
26(814-824)-10MHz-16QAM-26740-50RB#0-PASS

## 26dB Bandwidth and Occupied Bandwidth

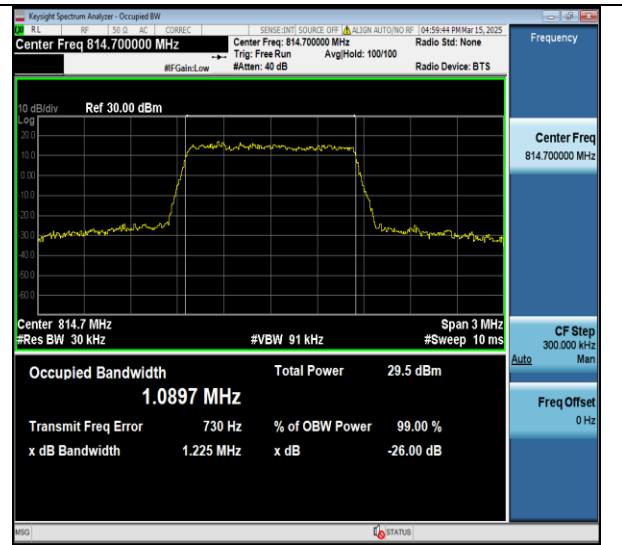
### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
26(814-824)	1.4MHz	QPSK	26697	6RB#0	1.0887	1.223	PASS
26(814-824)	1.4MHz	16QAM	26697	6RB#0	1.0897	1.225	PASS
26(814-824)	1.4MHz	QPSK	26740	6RB#0	1.0904	1.243	PASS
26(814-824)	1.4MHz	16QAM	26740	6RB#0	1.0938	1.231	PASS
26(814-824)	1.4MHz	QPSK	26783	6RB#0	1.0901	1.226	PASS
26(814-824)	1.4MHz	16QAM	26783	6RB#0	1.0938	1.232	PASS
26(814-824)	3MHz	QPSK	26705	15RB#0	2.6934	2.964	PASS
26(814-824)	3MHz	16QAM	26705	15RB#0	2.6845	2.975	PASS
26(814-824)	3MHz	QPSK	26740	15RB#0	2.6911	2.975	PASS
26(814-824)	3MHz	16QAM	26740	15RB#0	2.6942	2.969	PASS
26(814-824)	3MHz	QPSK	26775	15RB#0	2.6975	2.981	PASS
26(814-824)	3MHz	16QAM	26775	15RB#0	2.6915	2.979	PASS
26(814-824)	5MHz	QPSK	26715	25RB#0	4.4906	4.948	PASS
26(814-824)	5MHz	16QAM	26715	25RB#0	4.5023	4.947	PASS
26(814-824)	5MHz	QPSK	26740	25RB#0	4.4960	4.976	PASS
26(814-824)	5MHz	16QAM	26740	25RB#0	4.4935	4.943	PASS
26(814-824)	5MHz	QPSK	26765	25RB#0	4.4962	4.935	PASS
26(814-824)	5MHz	16QAM	26765	25RB#0	4.4951	4.962	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	8.9927	9.834	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	8.9764	9.779	PASS

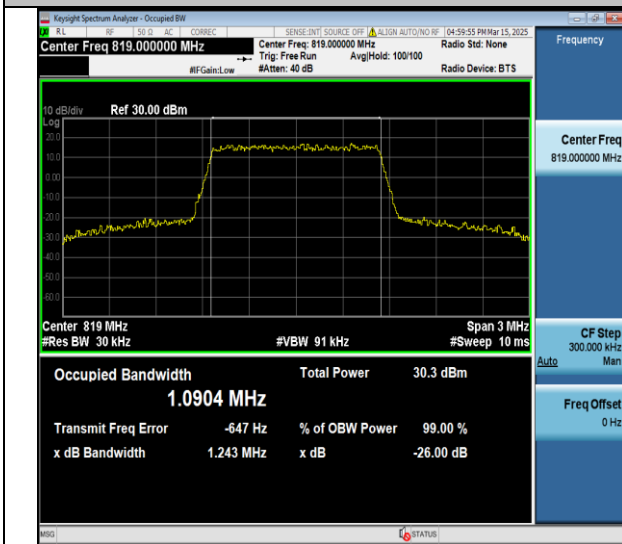
## Test Graphs



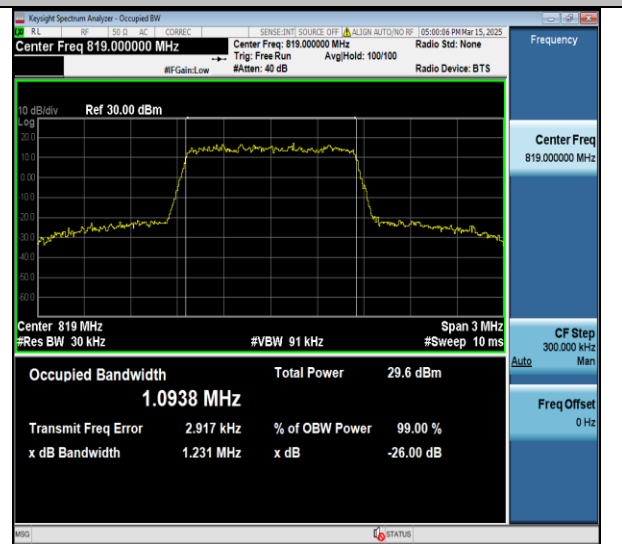
26(814-824)-1.4MHz-QPSK-26697-6RB#0-PASS



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



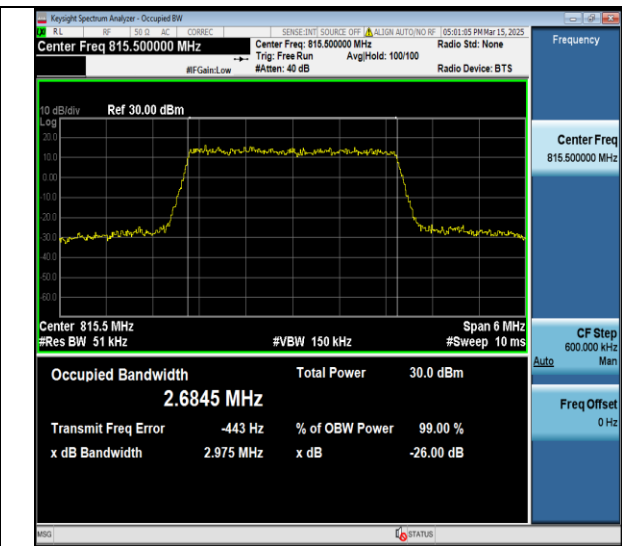
26(814-824)-1.4MHz-QPSK-26783-6RB#0-PASS



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



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



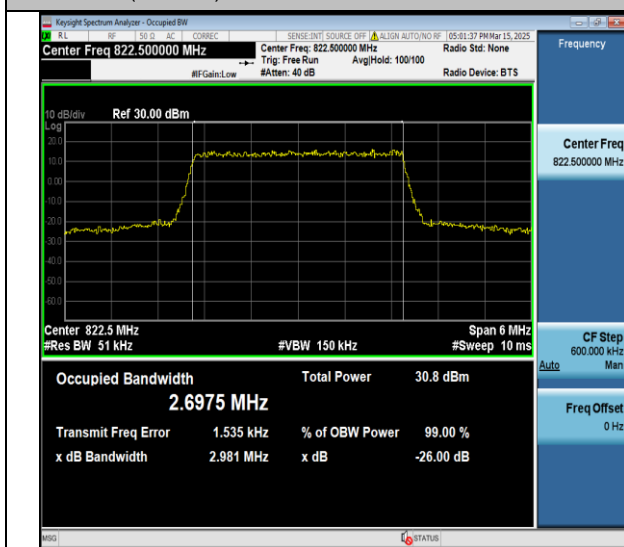
26(814-824)-3MHz-16QAM-26705-15RB#0-PASS



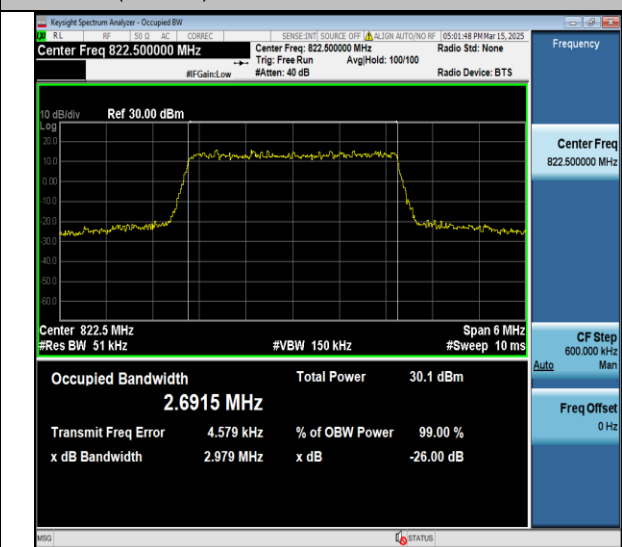
26(814-824)-3MHz-QPSK-26740-15RB#0-PASS



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



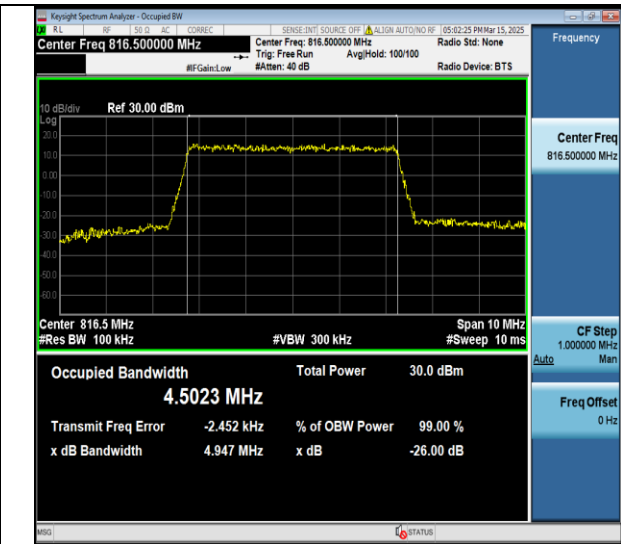
26(814-824)-3MHz-QPSK-26775-15RB#0-PASS



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



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



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



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



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



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

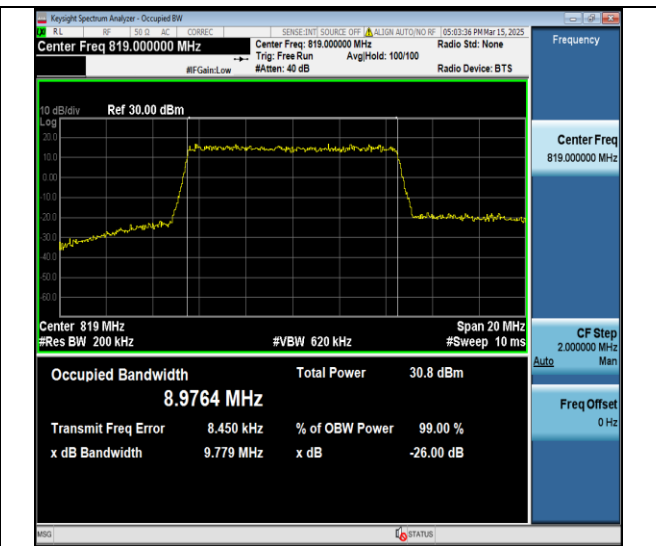


26(814-824)-5MHz-16QAM-26765-25RB#0-PASS





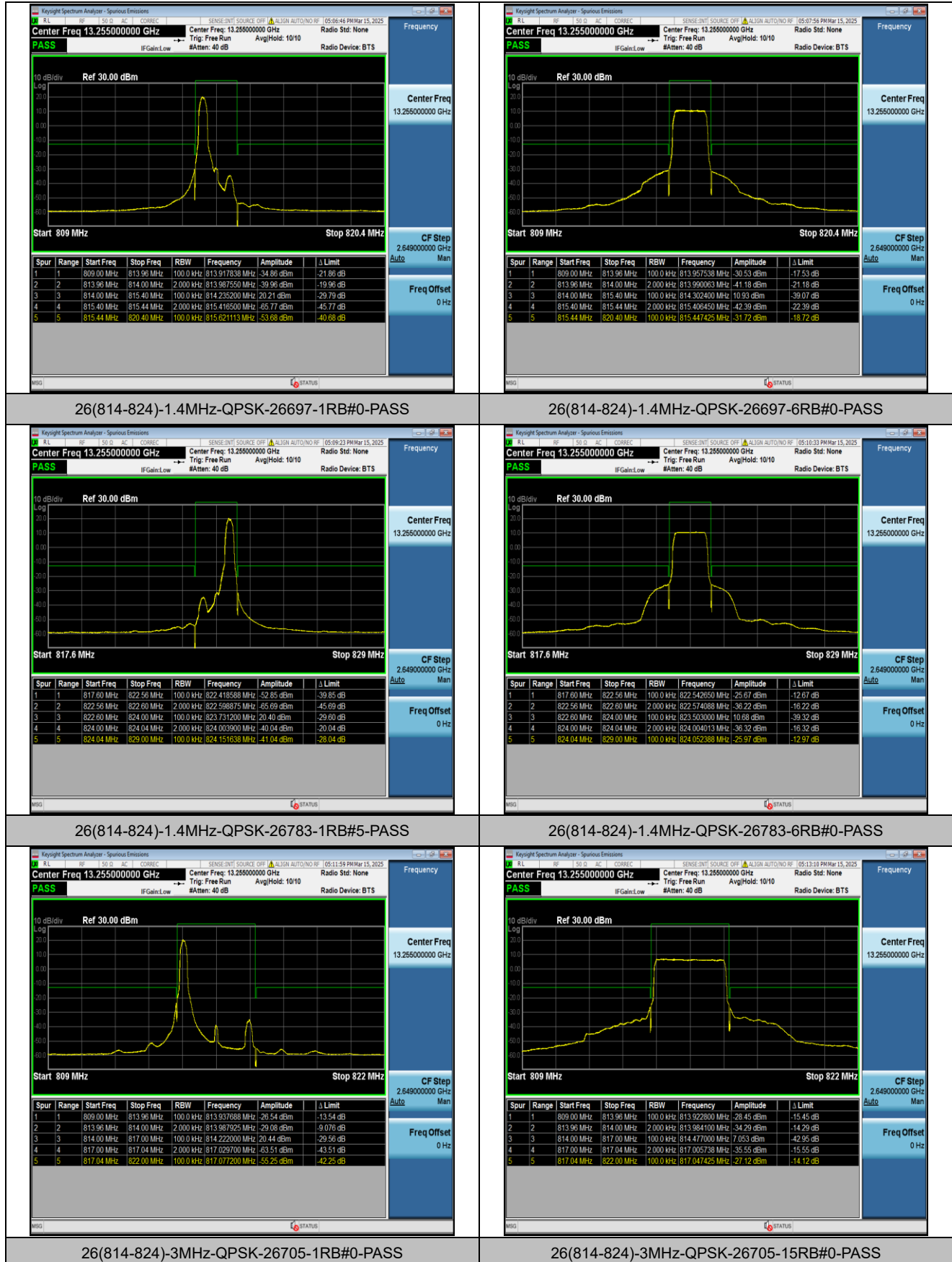
26(814-824)-10MHz-QPSK-26740-50RB#0-PASS

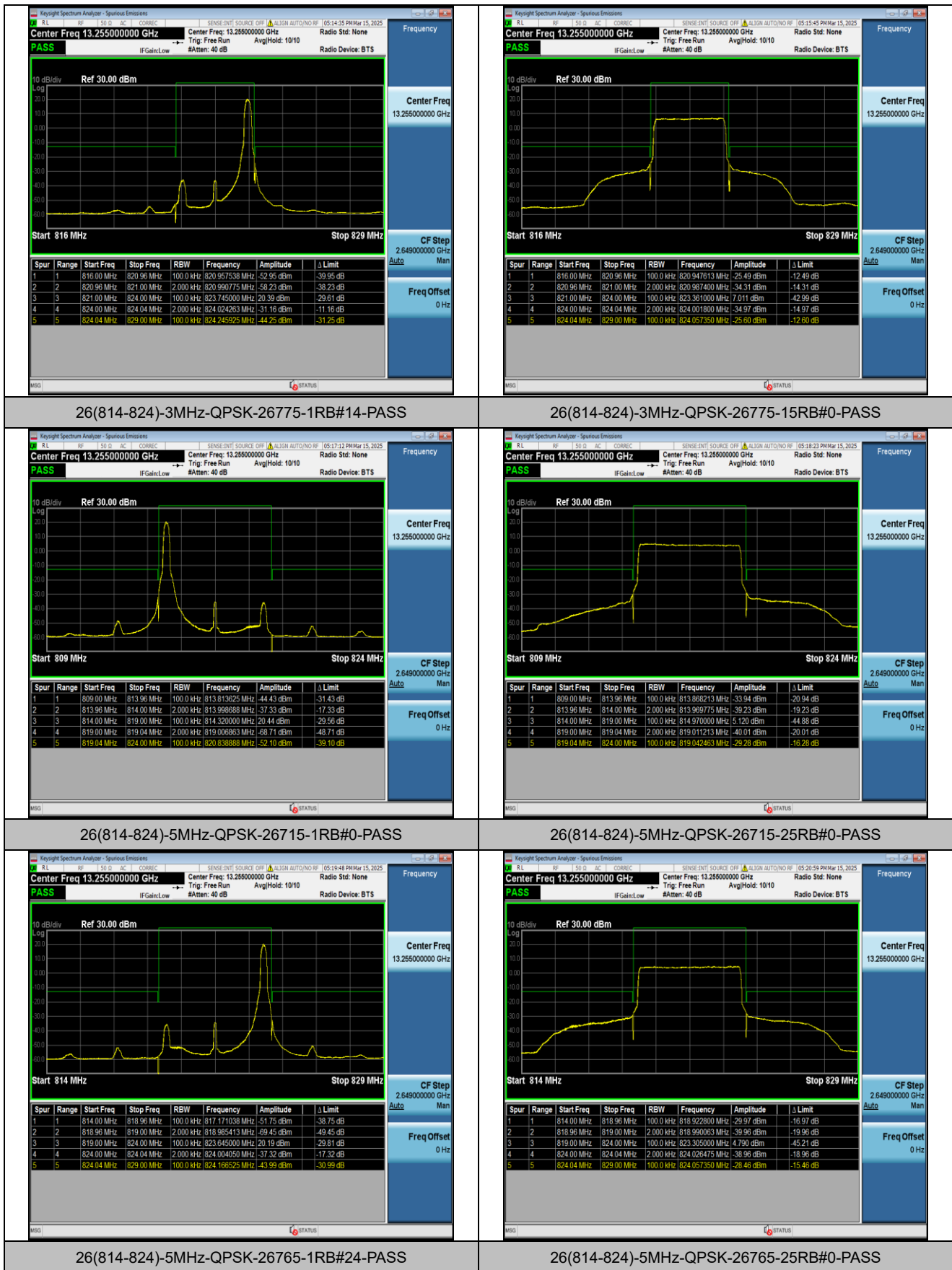


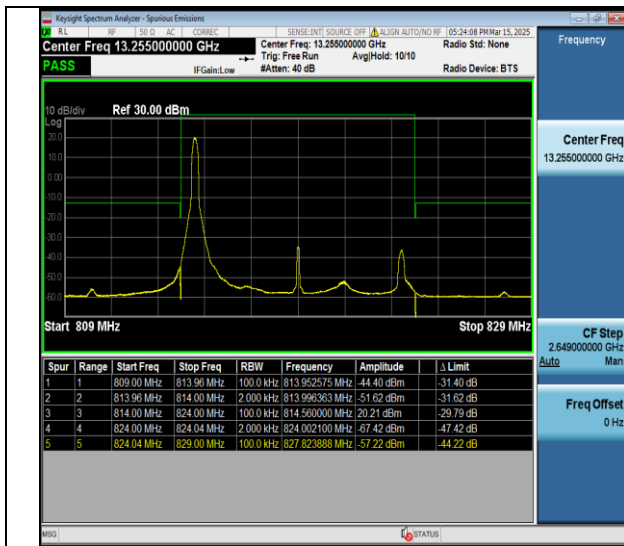
26(814-824)-10MHz-16QAM-26740-50RB#0-PASS

## Band Edge

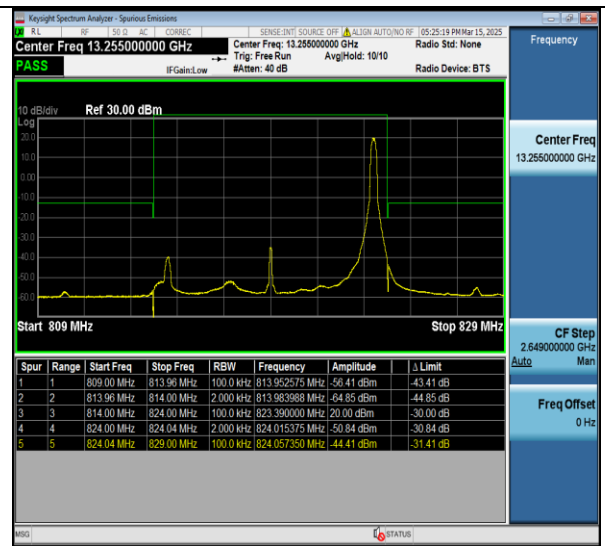
### Test Graphs



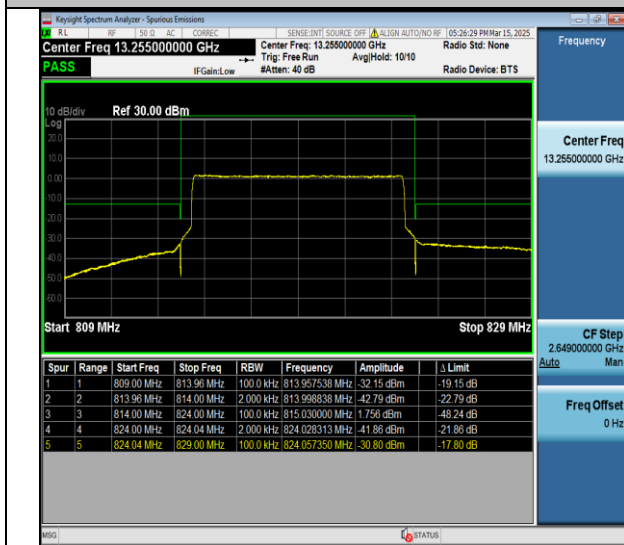




26(814-824)-10MHz-QPSK-26740-1RB#0-PASS



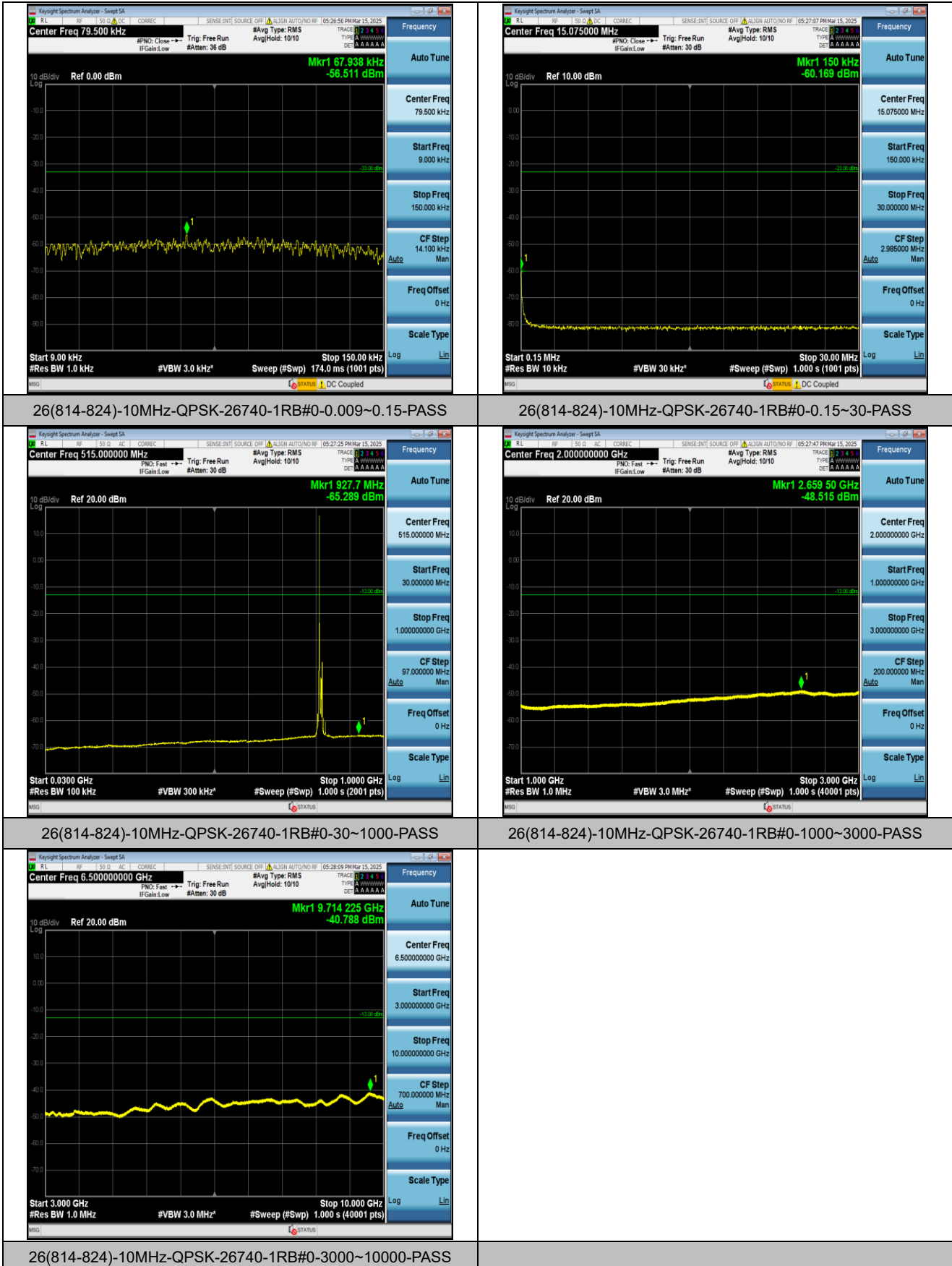
26(814-824)-10MHz-QPSK-26740-1RB#49-PASS



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	-7.40	-0.009035	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	VL	NT	-5.50	-0.006716	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	VH	NT	-5.30	-0.006471	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	-4.50	-0.005495	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	-20	-7.10	-0.008669	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	-10	-2.30	-0.002808	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	0	-1.60	-0.001954	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	10	-1.90	-0.002320	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	20	-7.80	-0.009524	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	30	-4.00	-0.004884	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	40	-3.80	-0.004640	PASS
26(814-824)	10MHz	QPSK	26740	100RB#0	NV	50	-2.90	-0.003541	PASS

~The End~