

Appendix-D LTE Band 26(814-824)

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Limit (dBm)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	1RB#0	23.31	50	PASS
Band26(814-824)	1.4MHz	QPSK	26697	1RB#2	23.34	50	PASS
Band26(814-824)	1.4MHz	QPSK	26697	1RB#5	23.28	50	PASS
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	22.23	50	PASS
Band26(814-824)	1.4MHz	16QAM	26697	1RB#0	22.69	50	PASS
Band26(814-824)	1.4MHz	16QAM	26697	1RB#2	22.58	50	PASS
Band26(814-824)	1.4MHz	16QAM	26697	1RB#5	22.62	50	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	21.34	50	PASS
Band26(814-824)	1.4MHz	64QAM	26697	1RB#0	21.49	50	PASS
Band26(814-824)	1.4MHz	64QAM	26697	1RB#2	21.32	50	PASS
Band26(814-824)	1.4MHz	64QAM	26697	1RB#5	21.52	50	PASS
Band26(814-824)	1.4MHz	64QAM	26697	6RB#0	20.22	50	PASS
Band26(814-824)	1.4MHz	256QAM	26697	1RB#0	18.35	50	PASS
Band26(814-824)	1.4MHz	256QAM	26697	1RB#2	18.29	50	PASS
Band26(814-824)	1.4MHz	256QAM	26697	1RB#5	18.48	50	PASS
Band26(814-824)	1.4MHz	256QAM	26697	6RB#0	18.48	50	PASS
Band26(814-824)	1.4MHz	QPSK	26740	1RB#0	23.36	50	PASS
Band26(814-824)	1.4MHz	QPSK	26740	1RB#2	23.46	50	PASS
Band26(814-824)	1.4MHz	QPSK	26740	1RB#5	23.31	50	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	22.26	50	PASS
Band26(814-824)	1.4MHz	16QAM	26740	1RB#0	22.6	50	PASS
Band26(814-824)	1.4MHz	16QAM	26740	1RB#2	22.19	50	PASS
Band26(814-824)	1.4MHz	16QAM	26740	1RB#5	22.56	50	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	21.33	50	PASS
Band26(814-824)	1.4MHz	64QAM	26740	1RB#0	21.39	50	PASS
Band26(814-824)	1.4MHz	64QAM	26740	1RB#2	21.35	50	PASS
Band26(814-824)	1.4MHz	64QAM	26740	1RB#5	21.25	50	PASS
Band26(814-824)	1.4MHz	64QAM	26740	6RB#0	20.14	50	PASS
Band26(814-824)	1.4MHz	256QAM	26740	1RB#0	18.34	50	PASS
Band26(814-824)	1.4MHz	256QAM	26740	1RB#2	18.42	50	PASS
Band26(814-824)	1.4MHz	256QAM	26740	1RB#5	18.41	50	PASS
Band26(814-824)	1.4MHz	256QAM	26740	6RB#0	18.21	50	PASS
Band26(814-824)	1.4MHz	QPSK	26783	1RB#0	23.26	50	PASS

Band26(814-824)	1.4MHz	QPSK	26783	1RB#2	23.24	50	PASS
Band26(814-824)	1.4MHz	QPSK	26783	1RB#5	23.19	50	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	22.22	50	PASS
Band26(814-824)	1.4MHz	16QAM	26783	1RB#0	22.25	50	PASS
Band26(814-824)	1.4MHz	16QAM	26783	1RB#2	22.33	50	PASS
Band26(814-824)	1.4MHz	16QAM	26783	1RB#5	22.31	50	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	21.33	50	PASS
Band26(814-824)	1.4MHz	64QAM	26783	1RB#0	21.22	50	PASS
Band26(814-824)	1.4MHz	64QAM	26783	1RB#2	21.36	50	PASS
Band26(814-824)	1.4MHz	64QAM	26783	1RB#5	21.25	50	PASS
Band26(814-824)	1.4MHz	64QAM	26783	6RB#0	20.1	50	PASS
Band26(814-824)	1.4MHz	256QAM	26783	1RB#0	18.23	50	PASS
Band26(814-824)	1.4MHz	256QAM	26783	1RB#2	18.28	50	PASS
Band26(814-824)	1.4MHz	256QAM	26783	1RB#5	18.45	50	PASS
Band26(814-824)	1.4MHz	256QAM	26783	6RB#0	18.3	50	PASS
Band26(814-824)	3MHz	QPSK	26705	1RB#0	23.37	50	PASS
Band26(814-824)	3MHz	QPSK	26705	1RB#8	23.29	50	PASS
Band26(814-824)	3MHz	QPSK	26705	1RB#14	23.28	50	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	22.24	50	PASS
Band26(814-824)	3MHz	16QAM	26705	1RB#0	22.51	50	PASS
Band26(814-824)	3MHz	16QAM	26705	1RB#8	22.59	50	PASS
Band26(814-824)	3MHz	16QAM	26705	1RB#14	22.58	50	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	21.23	50	PASS
Band26(814-824)	3MHz	64QAM	26705	1RB#0	21.34	50	PASS
Band26(814-824)	3MHz	64QAM	26705	1RB#8	21.42	50	PASS
Band26(814-824)	3MHz	64QAM	26705	1RB#14	21.31	50	PASS
Band26(814-824)	3MHz	64QAM	26705	15RB#0	20.19	50	PASS
Band26(814-824)	3MHz	256QAM	26705	1RB#0	18.51	50	PASS
Band26(814-824)	3MHz	256QAM	26705	1RB#8	18.43	50	PASS
Band26(814-824)	3MHz	256QAM	26705	1RB#14	18.22	50	PASS
Band26(814-824)	3MHz	256QAM	26705	15RB#0	18.35	50	PASS
Band26(814-824)	3MHz	QPSK	26740	1RB#0	23.42	50	PASS
Band26(814-824)	3MHz	QPSK	26740	1RB#8	23.27	50	PASS
Band26(814-824)	3MHz	QPSK	26740	1RB#14	23.29	50	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	22.25	50	PASS
Band26(814-824)	3MHz	16QAM	26740	1RB#0	22.51	50	PASS
Band26(814-824)	3MHz	16QAM	26740	1RB#8	22.42	50	PASS
Band26(814-824)	3MHz	16QAM	26740	1RB#14	22.2	50	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	21.26	50	PASS
Band26(814-824)	3MHz	64QAM	26740	1RB#0	21.47	50	PASS
Band26(814-824)	3MHz	64QAM	26740	1RB#8	21.39	50	PASS

Band26(814-824)	3MHz	64QAM	26740	1RB#14	21.34	50	PASS
Band26(814-824)	3MHz	64QAM	26740	15RB#0	20.21	50	PASS
Band26(814-824)	3MHz	256QAM	26740	1RB#0	18.65	50	PASS
Band26(814-824)	3MHz	256QAM	26740	1RB#8	18.52	50	PASS
Band26(814-824)	3MHz	256QAM	26740	1RB#14	18.33	50	PASS
Band26(814-824)	3MHz	256QAM	26740	15RB#0	18.38	50	PASS
Band26(814-824)	3MHz	QPSK	26775	1RB#0	23.25	50	PASS
Band26(814-824)	3MHz	QPSK	26775	1RB#8	23.25	50	PASS
Band26(814-824)	3MHz	QPSK	26775	1RB#14	23.25	50	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	22.16	50	PASS
Band26(814-824)	3MHz	16QAM	26775	1RB#0	22.51	50	PASS
Band26(814-824)	3MHz	16QAM	26775	1RB#8	22.32	50	PASS
Band26(814-824)	3MHz	16QAM	26775	1RB#14	22.67	50	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	21.2	50	PASS
Band26(814-824)	3MHz	64QAM	26775	1RB#0	21.36	50	PASS
Band26(814-824)	3MHz	64QAM	26775	1RB#8	21.29	50	PASS
Band26(814-824)	3MHz	64QAM	26775	1RB#14	21.28	50	PASS
Band26(814-824)	3MHz	64QAM	26775	15RB#0	20.04	50	PASS
Band26(814-824)	3MHz	256QAM	26775	1RB#0	18.56	50	PASS
Band26(814-824)	3MHz	256QAM	26775	1RB#8	18.4	50	PASS
Band26(814-824)	3MHz	256QAM	26775	1RB#14	18.3	50	PASS
Band26(814-824)	3MHz	256QAM	26775	15RB#0	18.38	50	PASS
Band26(814-824)	5MHz	QPSK	26715	1RB#0	23.45	50	PASS
Band26(814-824)	5MHz	QPSK	26715	1RB#12	23.32	50	PASS
Band26(814-824)	5MHz	QPSK	26715	1RB#24	23.3	50	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	22.23	50	PASS
Band26(814-824)	5MHz	16QAM	26715	1RB#0	22.69	50	PASS
Band26(814-824)	5MHz	16QAM	26715	1RB#12	22.45	50	PASS
Band26(814-824)	5MHz	16QAM	26715	1RB#24	22.68	50	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	21.19	50	PASS
Band26(814-824)	5MHz	64QAM	26715	1RB#0	21.5	50	PASS
Band26(814-824)	5MHz	64QAM	26715	1RB#12	21.31	50	PASS
Band26(814-824)	5MHz	64QAM	26715	1RB#24	21.5	50	PASS
Band26(814-824)	5MHz	64QAM	26715	25RB#0	20.07	50	PASS
Band26(814-824)	5MHz	256QAM	26715	1RB#0	18.52	50	PASS
Band26(814-824)	5MHz	256QAM	26715	1RB#12	18.65	50	PASS
Band26(814-824)	5MHz	256QAM	26715	1RB#24	18.42	50	PASS
Band26(814-824)	5MHz	256QAM	26715	25RB#0	18.32	50	PASS
Band26(814-824)	5MHz	QPSK	26740	1RB#0	23.46	50	PASS
Band26(814-824)	5MHz	QPSK	26740	1RB#12	23.48	50	PASS
Band26(814-824)	5MHz	QPSK	26740	1RB#24	23.43	50	PASS

Band26(814-824)	5MHz	QPSK	26740	25RB#0	22.37	50	PASS
Band26(814-824)	5MHz	16QAM	26740	1RB#0	22.55	50	PASS
Band26(814-824)	5MHz	16QAM	26740	1RB#12	22.59	50	PASS
Band26(814-824)	5MHz	16QAM	26740	1RB#24	22.24	50	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	21.35	50	PASS
Band26(814-824)	5MHz	64QAM	26740	1RB#0	21.59	50	PASS
Band26(814-824)	5MHz	64QAM	26740	1RB#12	21.26	50	PASS
Band26(814-824)	5MHz	64QAM	26740	1RB#24	21.54	50	PASS
Band26(814-824)	5MHz	64QAM	26740	25RB#0	20.32	50	PASS
Band26(814-824)	5MHz	256QAM	26740	1RB#0	18.48	50	PASS
Band26(814-824)	5MHz	256QAM	26740	1RB#12	18.44	50	PASS
Band26(814-824)	5MHz	256QAM	26740	1RB#24	18.39	50	PASS
Band26(814-824)	5MHz	256QAM	26740	25RB#0	18.39	50	PASS
Band26(814-824)	5MHz	QPSK	26765	1RB#0	23.4	50	PASS
Band26(814-824)	5MHz	QPSK	26765	1RB#12	23.3	50	PASS
Band26(814-824)	5MHz	QPSK	26765	1RB#24	23.32	50	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	22.26	50	PASS
Band26(814-824)	5MHz	16QAM	26765	1RB#0	22.24	50	PASS
Band26(814-824)	5MHz	16QAM	26765	1RB#12	22.67	50	PASS
Band26(814-824)	5MHz	16QAM	26765	1RB#24	22.32	50	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	21.27	50	PASS
Band26(814-824)	5MHz	64QAM	26765	1RB#0	21.42	50	PASS
Band26(814-824)	5MHz	64QAM	26765	1RB#12	21.48	50	PASS
Band26(814-824)	5MHz	64QAM	26765	1RB#24	21.45	50	PASS
Band26(814-824)	5MHz	64QAM	26765	25RB#0	20.22	50	PASS
Band26(814-824)	5MHz	256QAM	26765	1RB#0	18.31	50	PASS
Band26(814-824)	5MHz	256QAM	26765	1RB#12	18.37	50	PASS
Band26(814-824)	5MHz	256QAM	26765	1RB#24	18.47	50	PASS
Band26(814-824)	5MHz	256QAM	26765	25RB#0	18.31	50	PASS
Band26(814-824)	10MHz	QPSK	26740	1RB#0	23.39	50	PASS
Band26(814-824)	10MHz	QPSK	26740	1RB#24	23.4	50	PASS
Band26(814-824)	10MHz	QPSK	26740	1RB#49	23.25	50	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	22.38	50	PASS
Band26(814-824)	10MHz	16QAM	26740	1RB#0	22.82	50	PASS
Band26(814-824)	10MHz	16QAM	26740	1RB#24	22.27	50	PASS
Band26(814-824)	10MHz	16QAM	26740	1RB#49	22.67	50	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	21.42	50	PASS
Band26(814-824)	10MHz	64QAM	26740	1RB#0	21.61	50	PASS
Band26(814-824)	10MHz	64QAM	26740	1RB#24	21.51	50	PASS
Band26(814-824)	10MHz	64QAM	26740	1RB#49	21.38	50	PASS
Band26(814-824)	10MHz	64QAM	26740	50RB#0	20.33	50	PASS

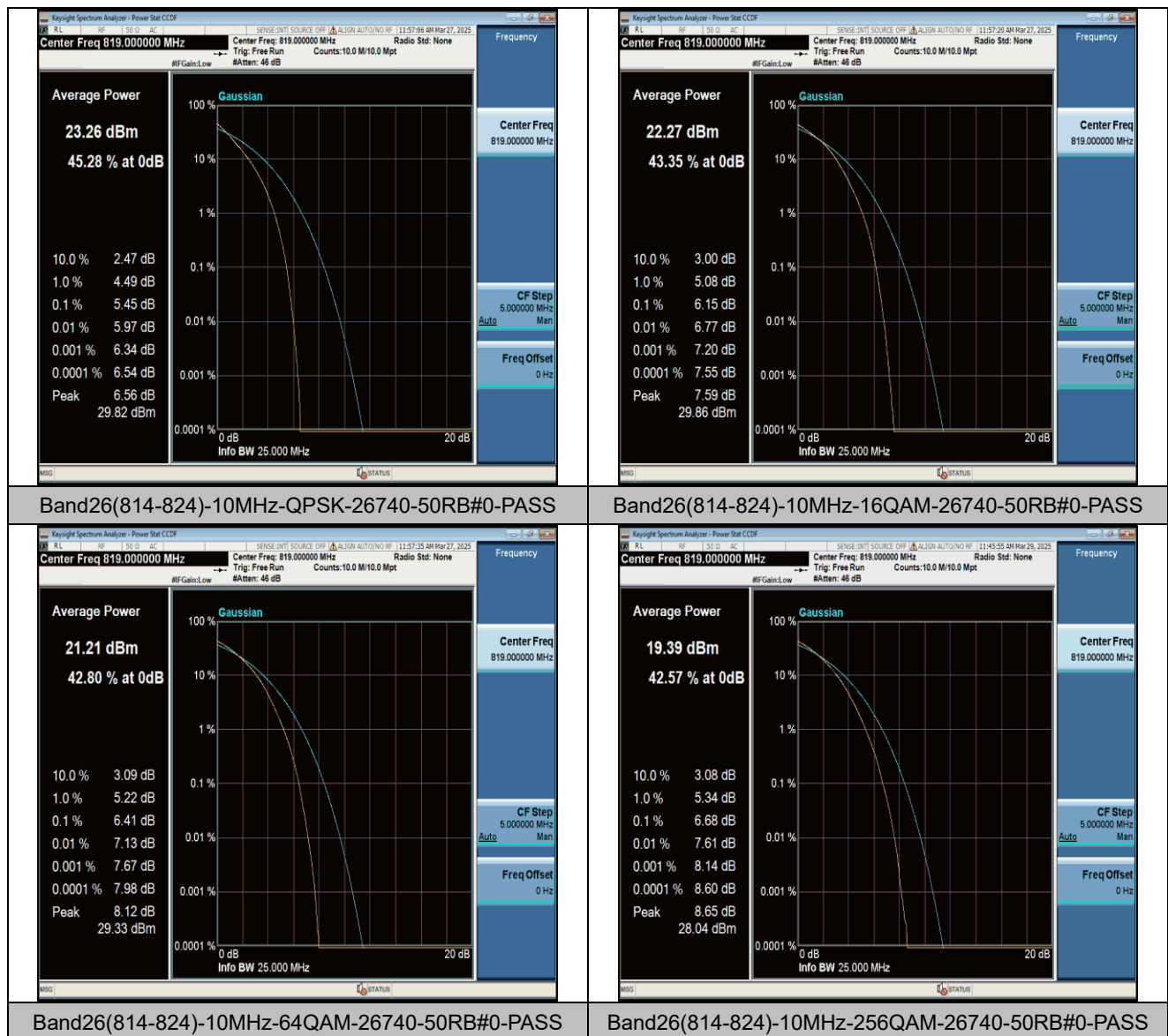
Band26(814-824)	10MHz	256QAM	26740	1RB#0	18.66	50	PASS
Band26(814-824)	10MHz	256QAM	26740	1RB#24	18.52	50	PASS
Band26(814-824)	10MHz	256QAM	26740	1RB#49	18.28	50	PASS
Band26(814-824)	10MHz	256QAM	26740	50RB#0	18.47	50	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band26(814-824)	10MHz	QPSK	26740	50RB#0	5.45	13	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	6.15	13	PASS
Band26(814-824)	10MHz	64QAM	26740	50RB#0	6.41	13	PASS
Band26(814-824)	10MHz	256QAM	26740	50RB#0	6.68	13	PASS

Test Graphs



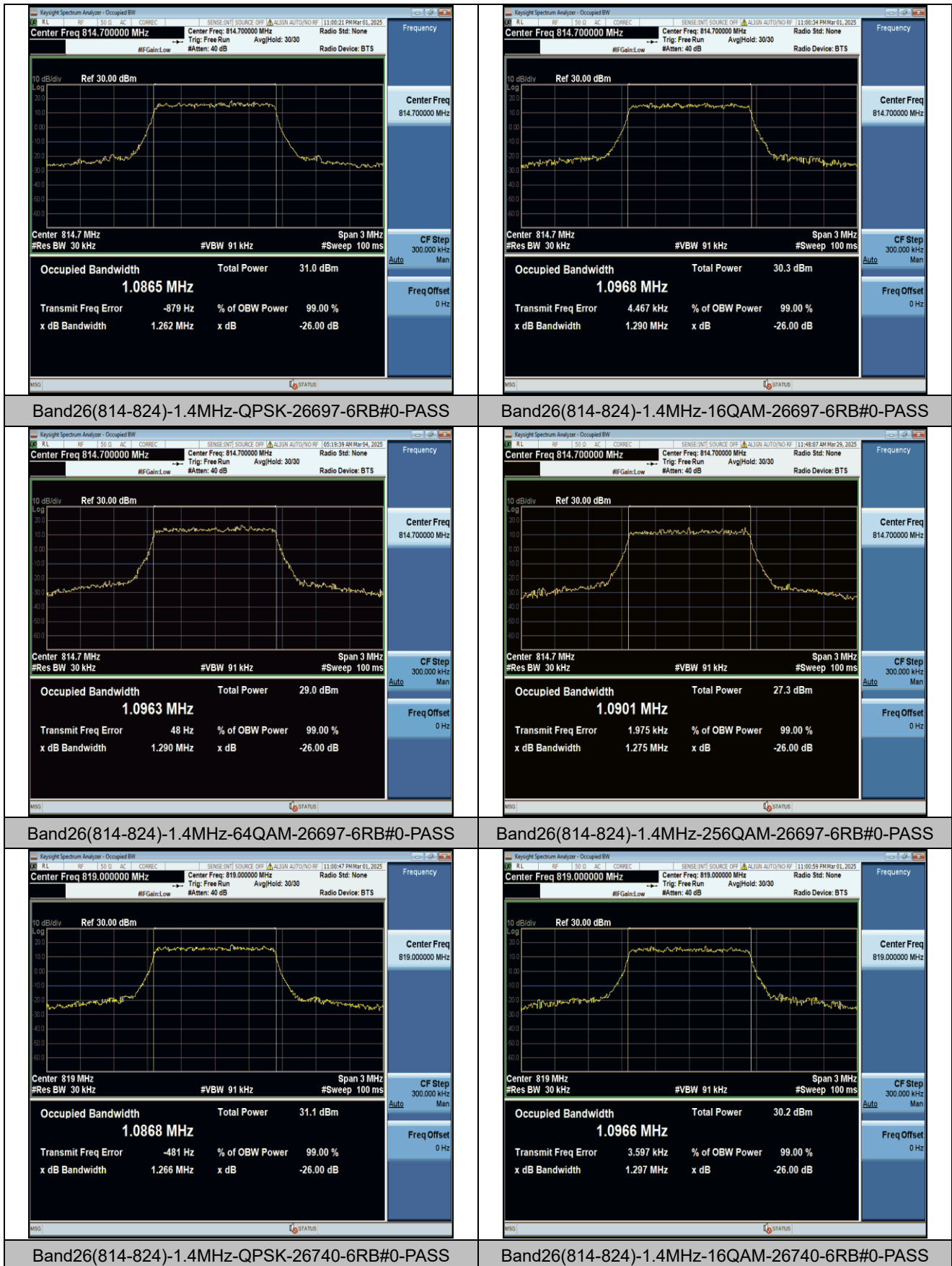
26dB Bandwidth and Occupied Bandwidth

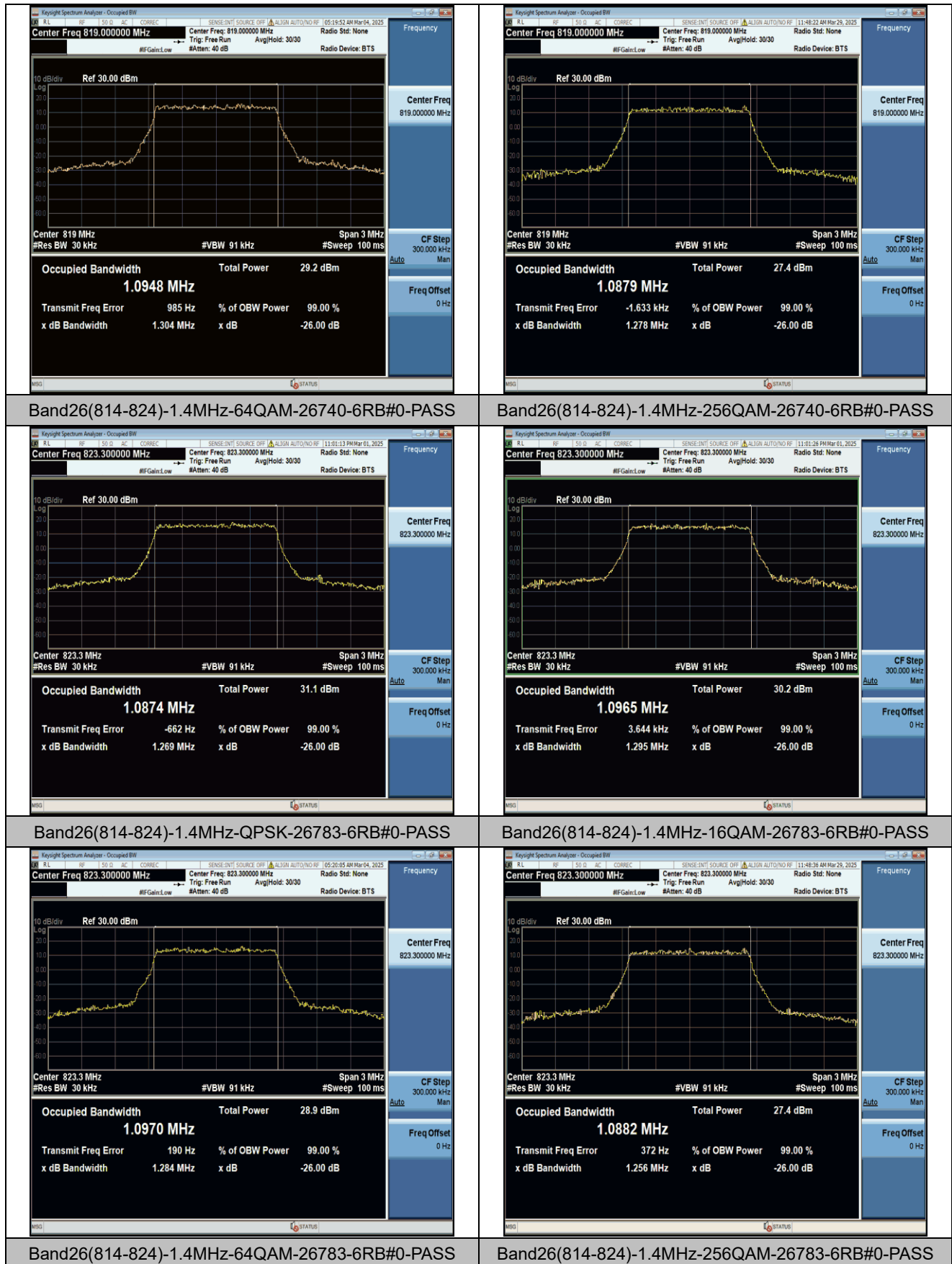
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	1.0865	1.262	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	1.0968	1.290	PASS
Band26(814-824)	1.4MHz	64QAM	26697	6RB#0	1.0963	1.290	PASS
Band26(814-824)	1.4MHz	256QAM	26697	6RB#0	1.0901	1.275	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	1.0868	1.266	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	1.0966	1.297	PASS
Band26(814-824)	1.4MHz	64QAM	26740	6RB#0	1.0948	1.304	PASS
Band26(814-824)	1.4MHz	256QAM	26740	6RB#0	1.0879	1.278	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	1.0874	1.269	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	1.0965	1.295	PASS
Band26(814-824)	1.4MHz	64QAM	26783	6RB#0	1.0970	1.284	PASS
Band26(814-824)	1.4MHz	256QAM	26783	6RB#0	1.0882	1.256	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	2.6941	2.900	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	2.6830	2.912	PASS
Band26(814-824)	3MHz	64QAM	26705	15RB#0	2.6843	2.909	PASS
Band26(814-824)	3MHz	256QAM	26705	15RB#0	2.6898	2.911	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	2.6895	2.912	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	2.6853	2.920	PASS
Band26(814-824)	3MHz	64QAM	26740	15RB#0	2.6877	2.901	PASS
Band26(814-824)	3MHz	256QAM	26740	15RB#0	2.6861	2.918	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	2.6958	2.914	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	2.6874	2.919	PASS
Band26(814-824)	3MHz	64QAM	26775	15RB#0	2.6859	3.067	PASS
Band26(814-824)	3MHz	256QAM	26775	15RB#0	2.6855	2.938	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	4.4811	4.941	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	4.4839	4.942	PASS
Band26(814-824)	5MHz	64QAM	26715	25RB#0	4.4886	4.928	PASS
Band26(814-824)	5MHz	256QAM	26715	25RB#0	4.4770	4.904	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	4.4930	4.965	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	4.4902	4.968	PASS
Band26(814-824)	5MHz	64QAM	26740	25RB#0	4.4956	4.966	PASS
Band26(814-824)	5MHz	256QAM	26740	25RB#0	4.4863	4.917	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	4.4899	4.958	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	4.4892	4.965	PASS
Band26(814-824)	5MHz	64QAM	26765	25RB#0	4.4999	4.966	PASS
Band26(814-824)	5MHz	256QAM	26765	25RB#0	4.4874	4.902	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	8.9951	9.694	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	8.9606	9.767	PASS

Band26(814-824)	10MHz	64QAM	26740	50RB#0	8.9889	9.798	PASS
Band26(814-824)	10MHz	256QAM	26740	50RB#0	8.9562	9.717	PASS

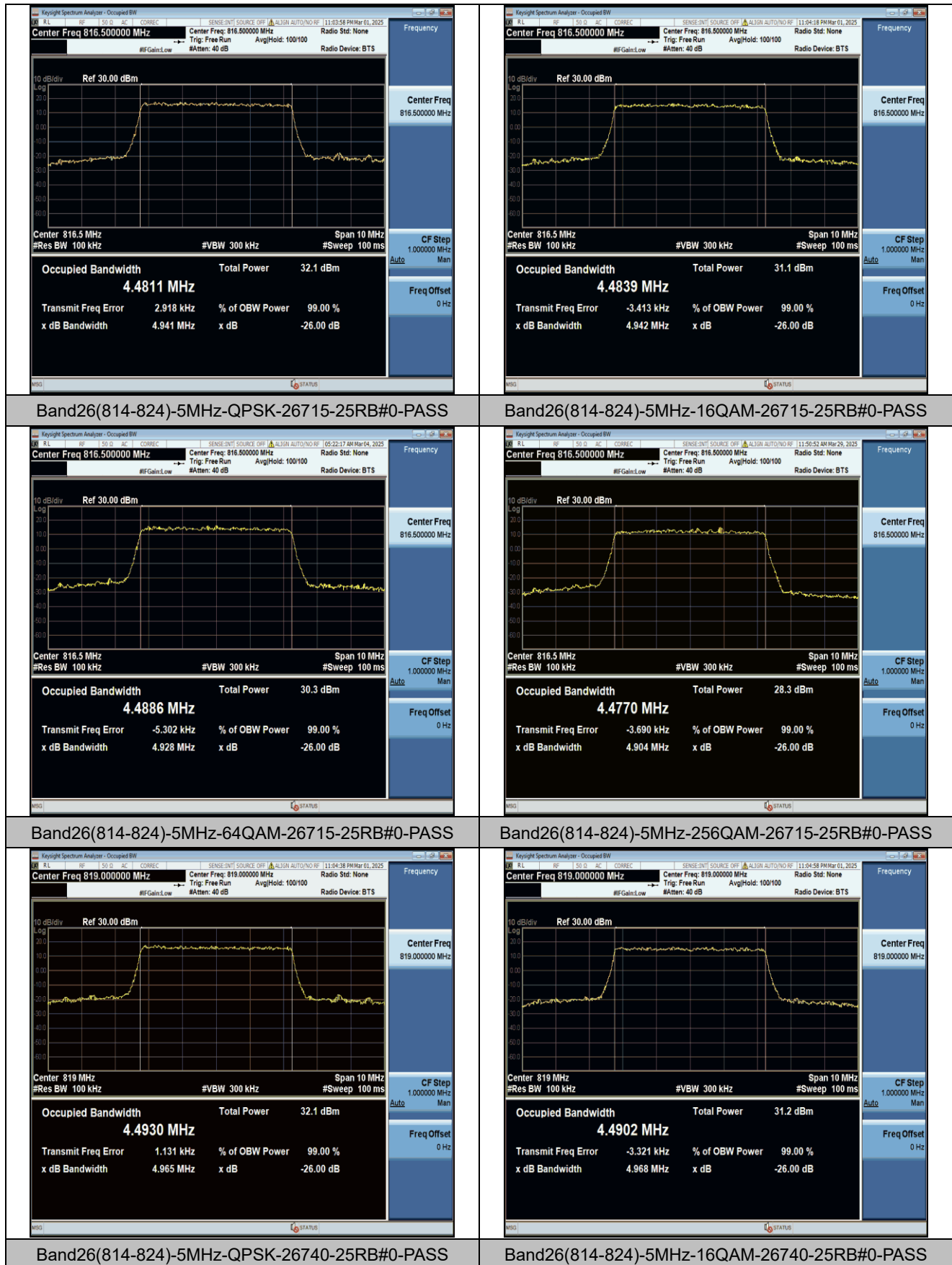
Test Graphs

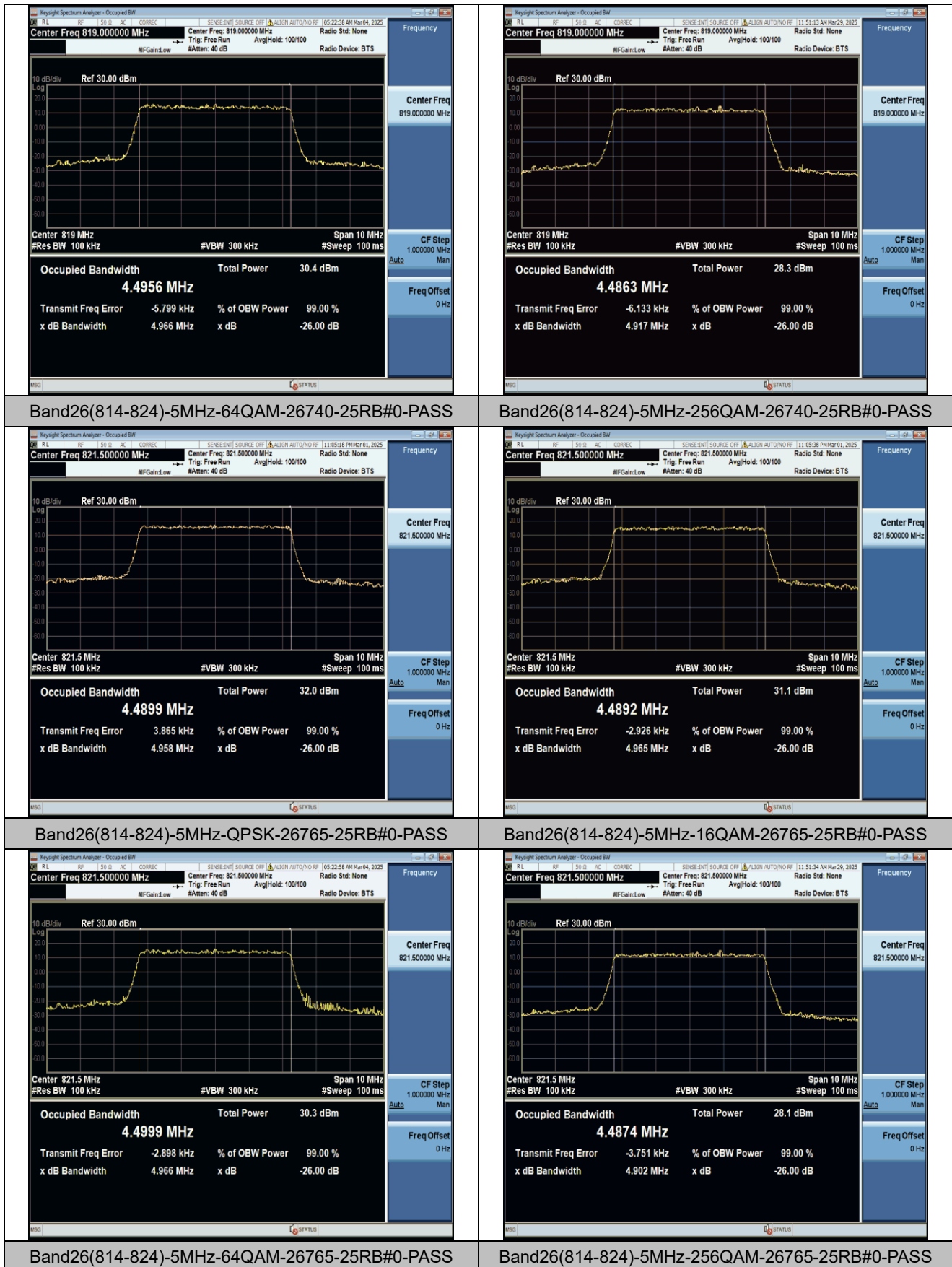


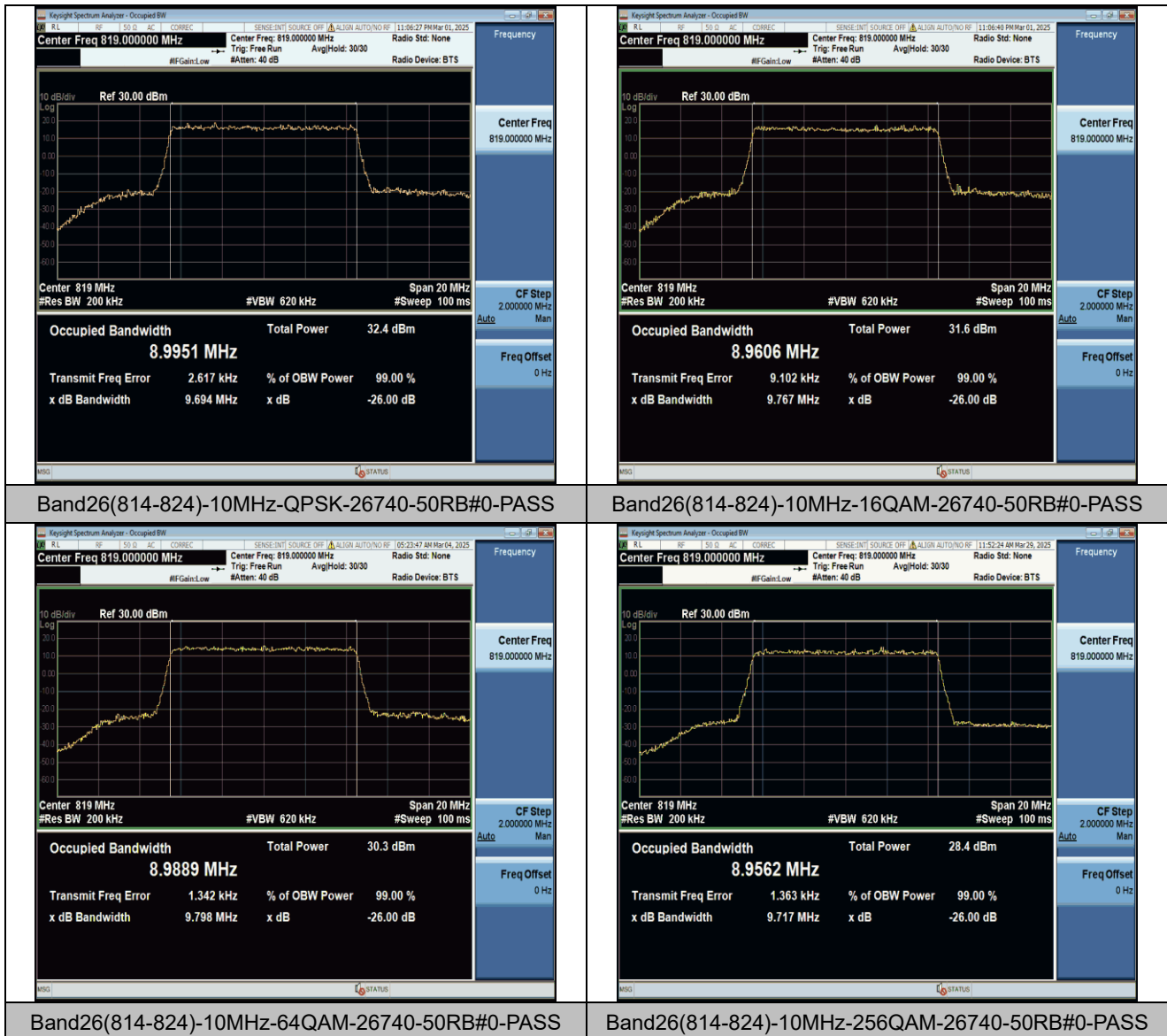






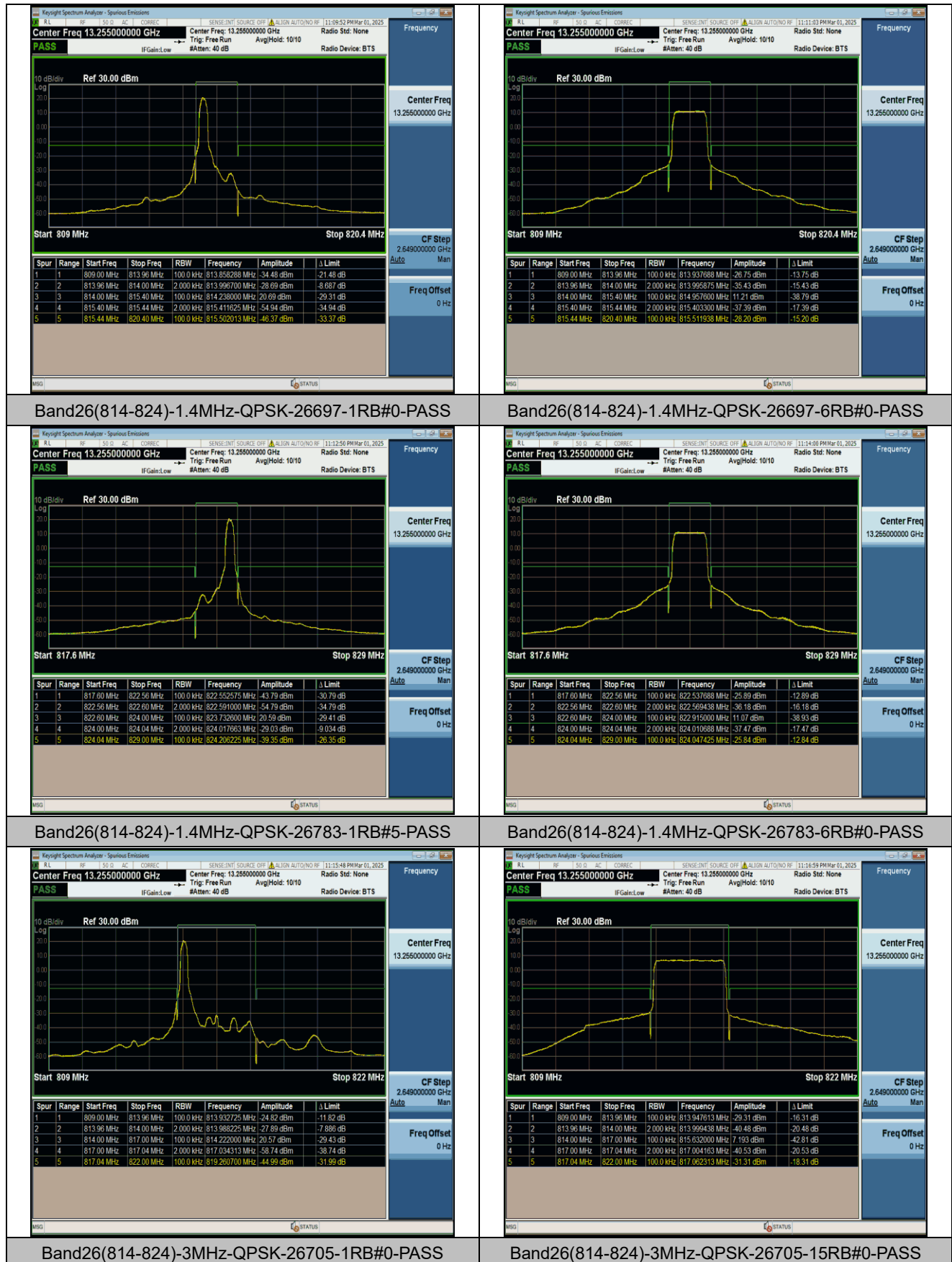


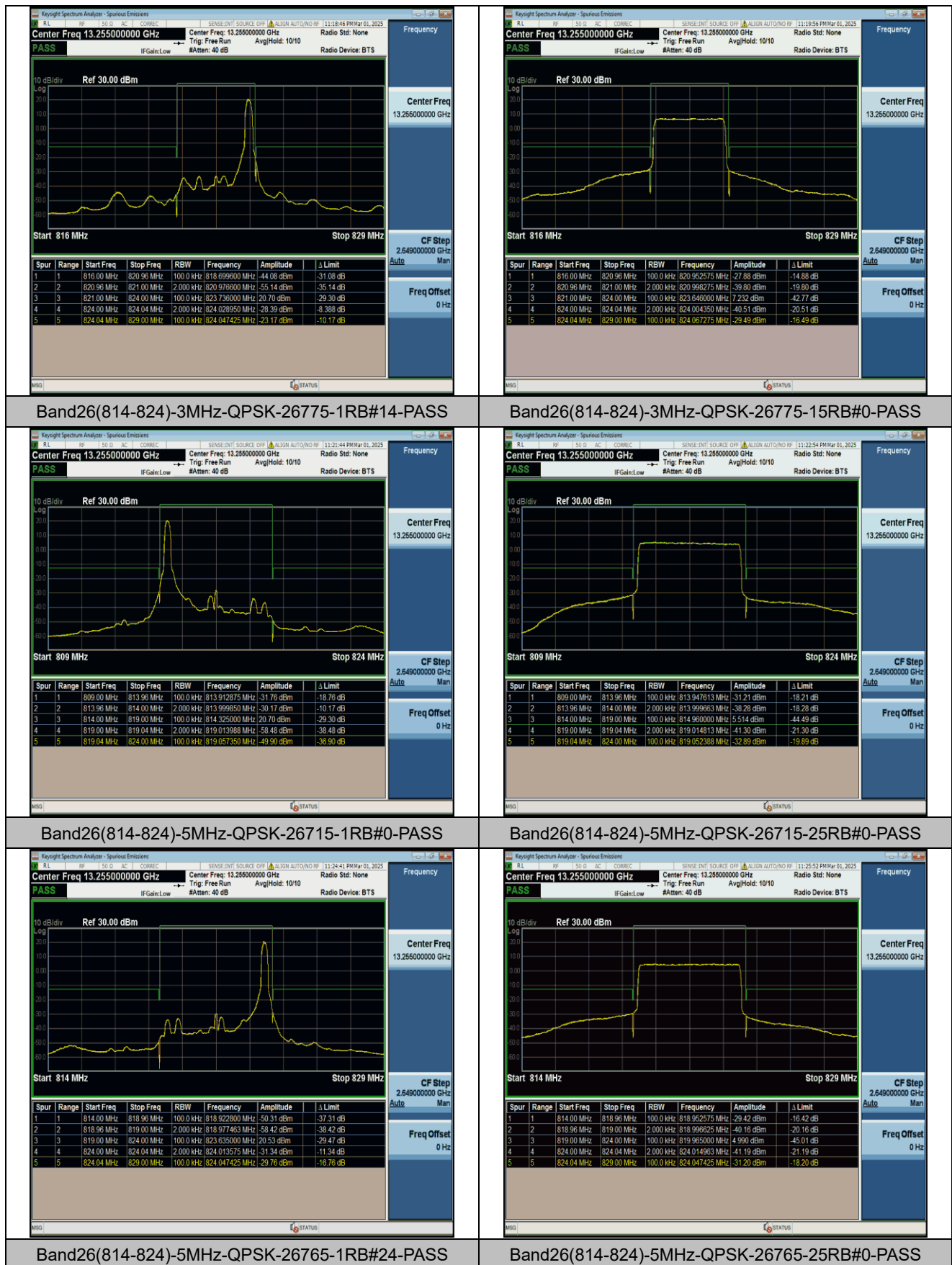




Band Edge

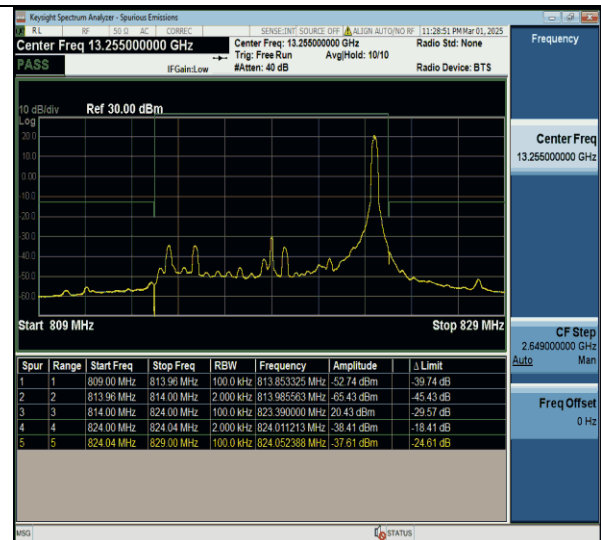
Test Graphs







Band26(814-824)-10MHz-QPSK-26740-1RB#0-PASS



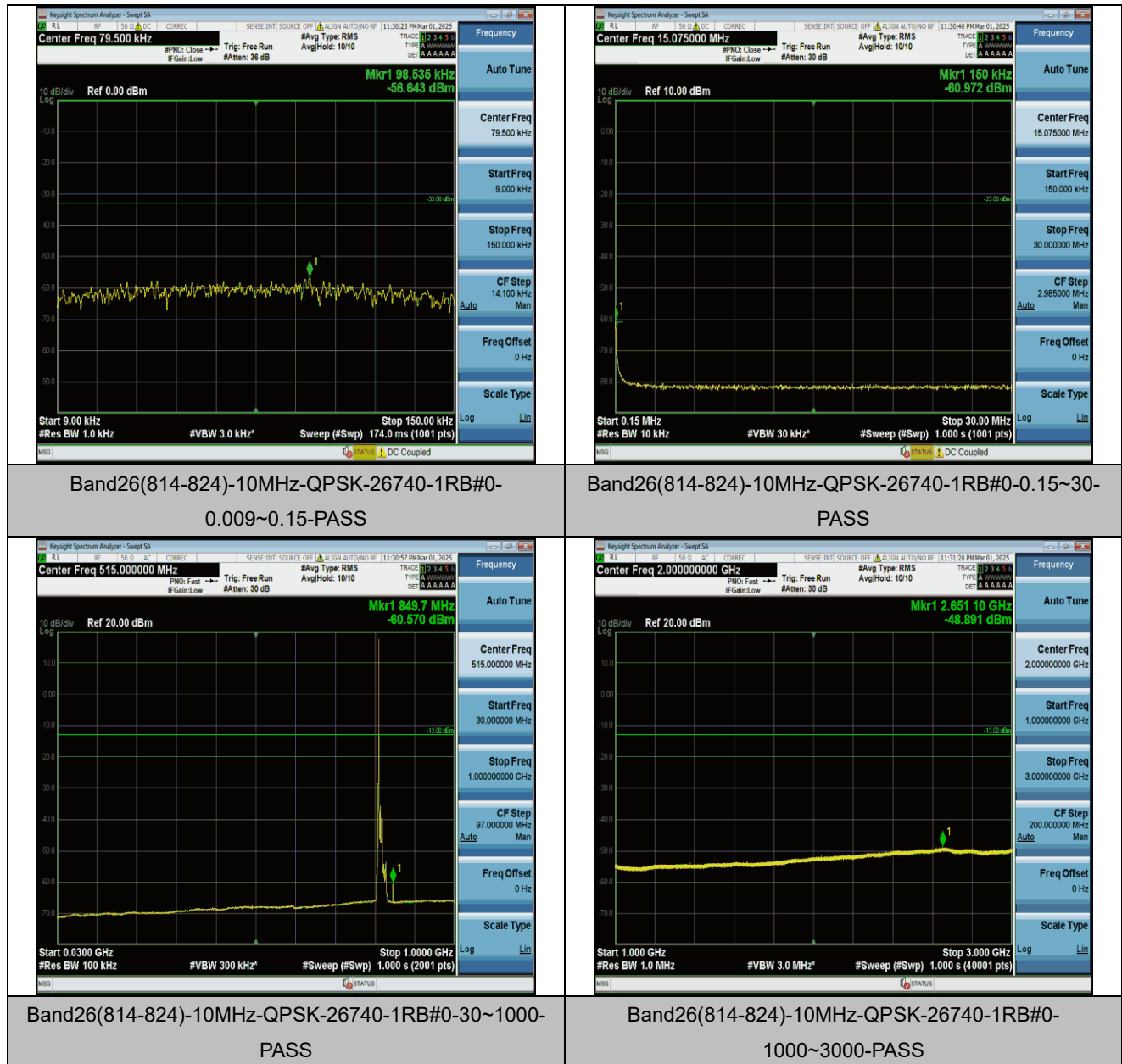
Band26(814-824)-10MHz-QPSK-26740-1RB#49-PASS

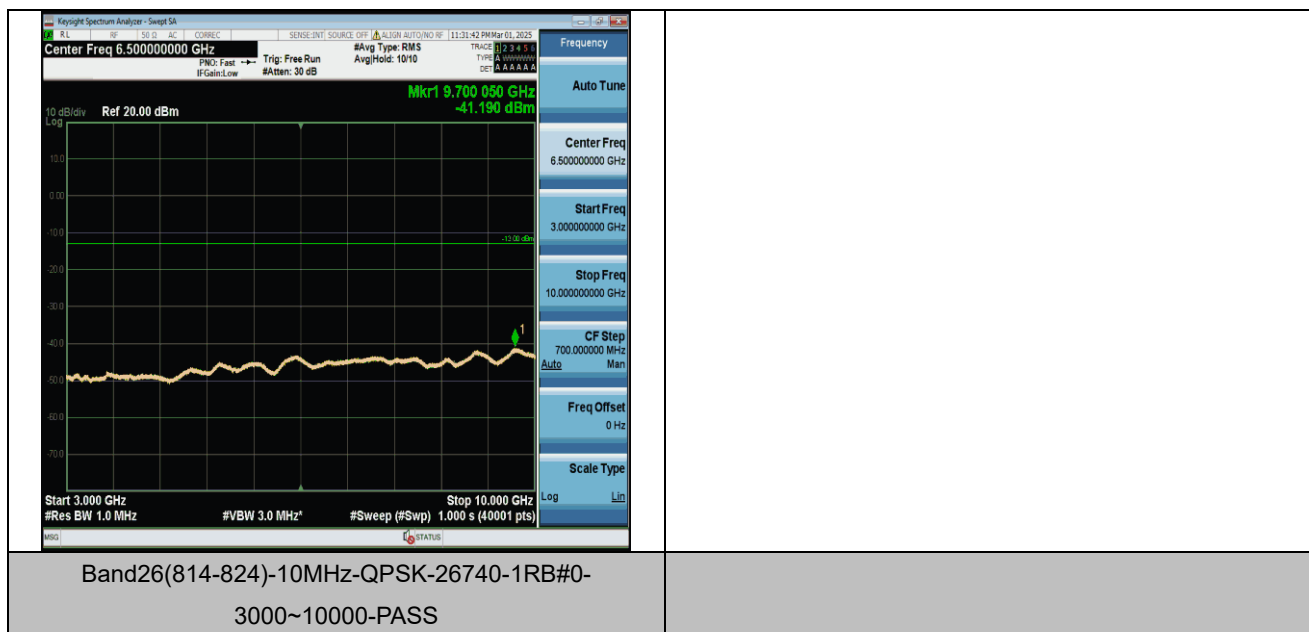


Band26(814-824)-10MHz-QPSK-26740-50RB#0-PASS

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
Band26(814-824)	10MHz	QPSK	26740	50RB#0	VN	NT	-1.00	-0.001221	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	VL	NT	0.90	0.001099	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	VH	NT	-0.50	-0.000611	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band26(814-824)	10MHz	QPSK	26740	50RB#0	NV	-30	-1.30	-0.001587	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	NV	-20	-4.10	-0.005006	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	NV	-10	-1.70	-0.002076	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	NV	0	0.00	0.000000	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	NV	10	1.20	0.001465	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	NV	20	0.60	0.000733	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	NV	30	-1.80	-0.002198	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	NV	40	-2.50	-0.003053	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	NV	50	1.20	0.001465	PASS

~The End~