

Appendix-A LTE Band 26(824-849)

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band26(824-849)	1.4MHz	QPSK	26797	1RB#0	23.86	22.01	38.45	PASS
Band26(824-849)	1.4MHz	QPSK	26797	1RB#2	23.95	22.1	38.45	PASS
Band26(824-849)	1.4MHz	QPSK	26797	1RB#5	23.8	21.95	38.45	PASS
Band26(824-849)	1.4MHz	QPSK	26797	6RB#0	22.84	20.99	38.45	PASS
Band26(824-849)	1.4MHz	16QAM	26797	1RB#0	22.64	20.79	38.45	PASS
Band26(824-849)	1.4MHz	16QAM	26797	1RB#2	22.69	20.84	38.45	PASS
Band26(824-849)	1.4MHz	16QAM	26797	1RB#5	22.66	20.81	38.45	PASS
Band26(824-849)	1.4MHz	16QAM	26797	6RB#0	21.51	19.66	38.45	PASS
Band26(824-849)	1.4MHz	QPSK	26915	1RB#0	23.88	22.03	38.45	PASS
Band26(824-849)	1.4MHz	QPSK	26915	1RB#2	23.77	21.92	38.45	PASS
Band26(824-849)	1.4MHz	QPSK	26915	1RB#5	23.98	22.13	38.45	PASS
Band26(824-849)	1.4MHz	QPSK	26915	6RB#0	22.79	20.94	38.45	PASS
Band26(824-849)	1.4MHz	16QAM	26915	1RB#0	22.21	20.36	38.45	PASS
Band26(824-849)	1.4MHz	16QAM	26915	1RB#2	22.44	20.59	38.45	PASS
Band26(824-849)	1.4MHz	16QAM	26915	1RB#5	22.37	20.52	38.45	PASS
Band26(824-849)	1.4MHz	16QAM	26915	6RB#0	21.53	19.68	38.45	PASS
Band26(824-849)	1.4MHz	QPSK	27033	1RB#0	23.58	21.73	38.45	PASS
Band26(824-849)	1.4MHz	QPSK	27033	1RB#2	23.57	21.72	38.45	PASS
Band26(824-849)	1.4MHz	QPSK	27033	1RB#5	23.47	21.62	38.45	PASS
Band26(824-849)	1.4MHz	QPSK	27033	6RB#0	22.56	20.71	38.45	PASS
Band26(824-849)	1.4MHz	16QAM	27033	1RB#0	22.32	20.47	38.45	PASS
Band26(824-849)	1.4MHz	16QAM	27033	1RB#2	22.43	20.58	38.45	PASS
Band26(824-849)	1.4MHz	16QAM	27033	1RB#5	22.78	20.93	38.45	PASS
Band26(824-849)	1.4MHz	16QAM	27033	6RB#0	21.36	19.51	38.45	PASS
Band26(824-849)	3MHz	QPSK	26805	1RB#0	24.02	22.17	38.45	PASS
Band26(824-849)	3MHz	QPSK	26805	1RB#8	23.92	22.07	38.45	PASS
Band26(824-849)	3MHz	QPSK	26805	1RB#14	24.06	22.21	38.45	PASS
Band26(824-849)	3MHz	QPSK	26805	15RB#0	22.73	20.88	38.45	PASS
Band26(824-849)	3MHz	16QAM	26805	1RB#0	22.35	20.5	38.45	PASS
Band26(824-849)	3MHz	16QAM	26805	1RB#8	22.71	20.86	38.45	PASS
Band26(824-849)	3MHz	16QAM	26805	1RB#14	22.35	20.5	38.45	PASS
Band26(824-849)	3MHz	16QAM	26805	15RB#0	21.59	19.74	38.45	PASS
Band26(824-849)	3MHz	QPSK	26915	1RB#0	24.02	22.17	38.45	PASS
Band26(824-849)	3MHz	QPSK	26915	1RB#8	23.76	21.91	38.45	PASS
Band26(824-849)	3MHz	QPSK	26915	1RB#14	23.71	21.86	38.45	PASS
Band26(824-849)	3MHz	QPSK	26915	15RB#0	22.84	20.99	38.45	PASS
Band26(824-849)	3MHz	16QAM	26915	1RB#0	22.76	20.91	38.45	PASS

Band26(824-849)	3MHz	16QAM	26915	1RB#8	22.33	20.48	38.45	PASS
Band26(824-849)	3MHz	16QAM	26915	1RB#14	22.23	20.38	38.45	PASS
Band26(824-849)	3MHz	16QAM	26915	15RB#0	21.67	19.82	38.45	PASS
Band26(824-849)	3MHz	QPSK	27025	1RB#0	23.52	21.67	38.45	PASS
Band26(824-849)	3MHz	QPSK	27025	1RB#8	23.77	21.92	38.45	PASS
Band26(824-849)	3MHz	QPSK	27025	1RB#14	23.54	21.69	38.45	PASS
Band26(824-849)	3MHz	QPSK	27025	15RB#0	22.59	20.74	38.45	PASS
Band26(824-849)	3MHz	16QAM	27025	1RB#0	22.31	20.46	38.45	PASS
Band26(824-849)	3MHz	16QAM	27025	1RB#8	22.32	20.47	38.45	PASS
Band26(824-849)	3MHz	16QAM	27025	1RB#14	22.63	20.78	38.45	PASS
Band26(824-849)	3MHz	16QAM	27025	15RB#0	21.38	19.53	38.45	PASS
Band26(824-849)	5MHz	QPSK	26815	1RB#0	23.95	22.1	38.45	PASS
Band26(824-849)	5MHz	QPSK	26815	1RB#12	23.87	22.02	38.45	PASS
Band26(824-849)	5MHz	QPSK	26815	1RB#24	23.74	21.89	38.45	PASS
Band26(824-849)	5MHz	QPSK	26815	25RB#0	22.88	21.03	38.45	PASS
Band26(824-849)	5MHz	16QAM	26815	1RB#0	22.63	20.78	38.45	PASS
Band26(824-849)	5MHz	16QAM	26815	1RB#12	22.71	20.86	38.45	PASS
Band26(824-849)	5MHz	16QAM	26815	1RB#24	22.69	20.84	38.45	PASS
Band26(824-849)	5MHz	16QAM	26815	25RB#0	21.61	19.76	38.45	PASS
Band26(824-849)	5MHz	QPSK	26915	1RB#0	23.92	22.07	38.45	PASS
Band26(824-849)	5MHz	QPSK	26915	1RB#12	23.7	21.85	38.45	PASS
Band26(824-849)	5MHz	QPSK	26915	1RB#24	23.54	21.69	38.45	PASS
Band26(824-849)	5MHz	QPSK	26915	25RB#0	22.87	21.02	38.45	PASS
Band26(824-849)	5MHz	16QAM	26915	1RB#0	22.6	20.75	38.45	PASS
Band26(824-849)	5MHz	16QAM	26915	1RB#12	22.69	20.84	38.45	PASS
Band26(824-849)	5MHz	16QAM	26915	1RB#24	22.52	20.67	38.45	PASS
Band26(824-849)	5MHz	16QAM	26915	25RB#0	21.53	19.68	38.45	PASS
Band26(824-849)	5MHz	QPSK	27015	1RB#0	23.66	21.81	38.45	PASS
Band26(824-849)	5MHz	QPSK	27015	1RB#12	23.64	21.79	38.45	PASS
Band26(824-849)	5MHz	QPSK	27015	1RB#24	23.57	21.72	38.45	PASS
Band26(824-849)	5MHz	QPSK	27015	25RB#0	22.62	20.77	38.45	PASS
Band26(824-849)	5MHz	16QAM	27015	1RB#0	22.54	20.69	38.45	PASS
Band26(824-849)	5MHz	16QAM	27015	1RB#12	22.42	20.57	38.45	PASS
Band26(824-849)	5MHz	16QAM	27015	1RB#24	22.63	20.78	38.45	PASS
Band26(824-849)	5MHz	16QAM	27015	25RB#0	21.43	19.58	38.45	PASS
Band26(824-849)	10MHz	QPSK	26840	1RB#0	24.06	22.21	38.45	PASS
Band26(824-849)	10MHz	QPSK	26840	1RB#24	24.08	22.23	38.45	PASS
Band26(824-849)	10MHz	QPSK	26840	1RB#49	23.99	22.14	38.45	PASS
Band26(824-849)	10MHz	QPSK	26840	50RB#0	22.82	20.97	38.45	PASS
Band26(824-849)	10MHz	16QAM	26840	1RB#0	22.38	20.53	38.45	PASS
Band26(824-849)	10MHz	16QAM	26840	1RB#24	22.35	20.5	38.45	PASS
Band26(824-849)	10MHz	16QAM	26840	1RB#49	22.34	20.49	38.45	PASS
Band26(824-849)	10MHz	16QAM	26840	50RB#0	21.62	19.77	38.45	PASS
Band26(824-849)	10MHz	QPSK	26915	1RB#0	23.99	22.14	38.45	PASS
Band26(824-849)	10MHz	QPSK	26915	1RB#24	23.95	22.1	38.45	PASS

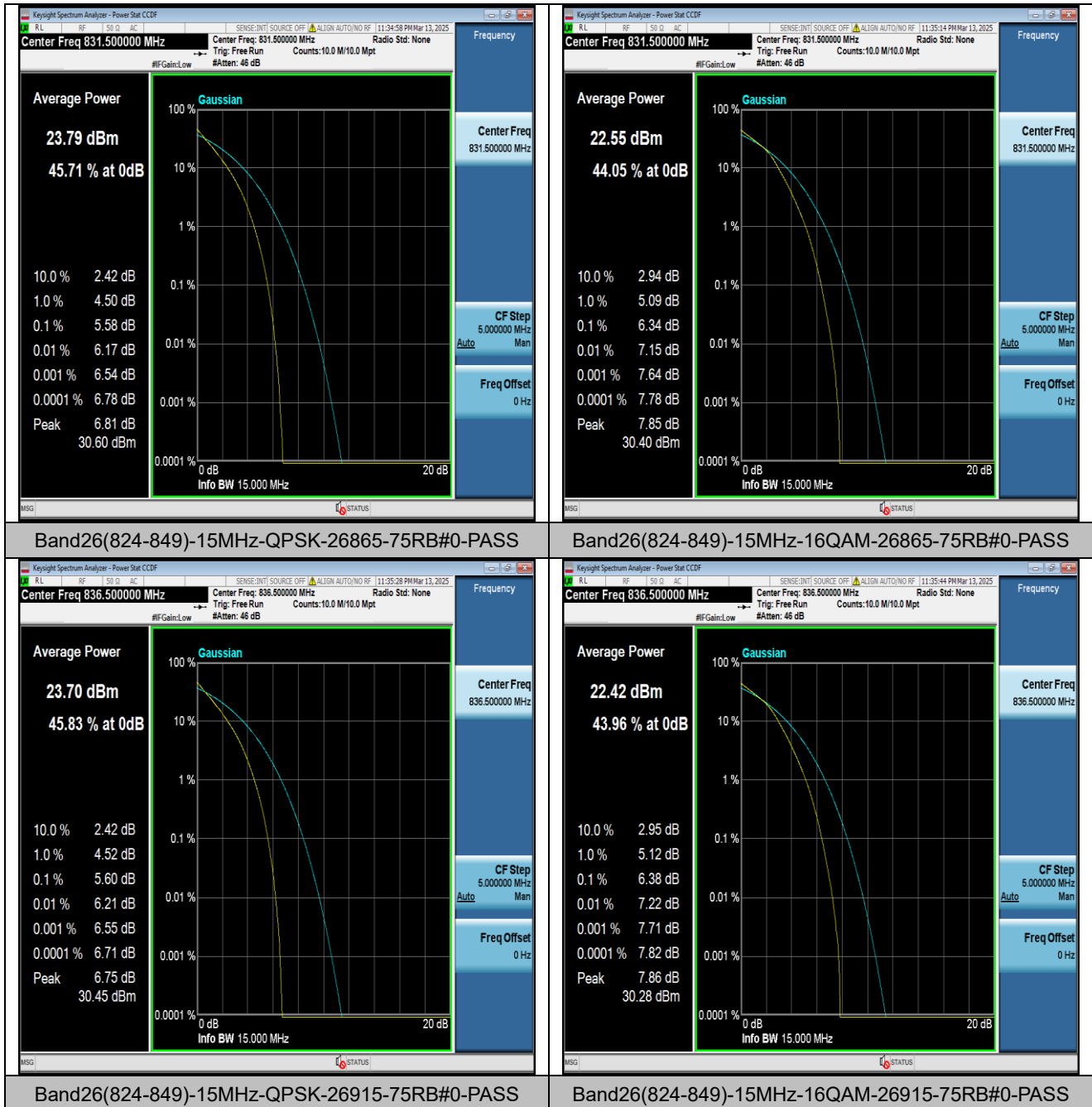
Band26(824-849)	10MHz	QPSK	26915	1RB#49	23.93	22.08	38.45	PASS
Band26(824-849)	10MHz	QPSK	26915	50RB#0	22.88	21.03	38.45	PASS
Band26(824-849)	10MHz	16QAM	26915	1RB#0	22.51	20.66	38.45	PASS
Band26(824-849)	10MHz	16QAM	26915	1RB#24	22.65	20.8	38.45	PASS
Band26(824-849)	10MHz	16QAM	26915	1RB#49	22.7	20.85	38.45	PASS
Band26(824-849)	10MHz	16QAM	26915	50RB#0	21.75	19.9	38.45	PASS
Band26(824-849)	10MHz	QPSK	26990	1RB#0	23.51	21.66	38.45	PASS
Band26(824-849)	10MHz	QPSK	26990	1RB#24	23.6	21.75	38.45	PASS
Band26(824-849)	10MHz	QPSK	26990	1RB#49	23.57	21.72	38.45	PASS
Band26(824-849)	10MHz	QPSK	26990	50RB#0	22.66	20.81	38.45	PASS
Band26(824-849)	10MHz	16QAM	26990	1RB#0	22.3	20.45	38.45	PASS
Band26(824-849)	10MHz	16QAM	26990	1RB#24	22.6	20.75	38.45	PASS
Band26(824-849)	10MHz	16QAM	26990	1RB#49	22.63	20.78	38.45	PASS
Band26(824-849)	10MHz	16QAM	26990	50RB#0	21.55	19.7	38.45	PASS
Band26(824-849)	15MHz	QPSK	26865	1RB#0	24.04	22.19	38.45	PASS
Band26(824-849)	15MHz	QPSK	26865	1RB#38	23.91	22.06	38.45	PASS
Band26(824-849)	15MHz	QPSK	26865	1RB#74	23.85	22	38.45	PASS
Band26(824-849)	15MHz	QPSK	26865	75RB#0	22.84	20.99	38.45	PASS
Band26(824-849)	15MHz	16QAM	26865	1RB#0	22.36	20.51	38.45	PASS
Band26(824-849)	15MHz	16QAM	26865	1RB#38	22.68	20.83	38.45	PASS
Band26(824-849)	15MHz	16QAM	26865	1RB#74	22.71	20.86	38.45	PASS
Band26(824-849)	15MHz	16QAM	26865	75RB#0	21.87	20.02	38.45	PASS
Band26(824-849)	15MHz	QPSK	26915	1RB#0	23.9	22.05	38.45	PASS
Band26(824-849)	15MHz	QPSK	26915	1RB#38	23.75	21.9	38.45	PASS
Band26(824-849)	15MHz	QPSK	26915	1RB#74	23.86	22.01	38.45	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	22.85	21	38.45	PASS
Band26(824-849)	15MHz	16QAM	26915	1RB#0	22.38	20.53	38.45	PASS
Band26(824-849)	15MHz	16QAM	26915	1RB#38	22.65	20.8	38.45	PASS
Band26(824-849)	15MHz	16QAM	26915	1RB#74	22.77	20.92	38.45	PASS
Band26(824-849)	15MHz	16QAM	26915	75RB#0	21.74	19.89	38.45	PASS
Band26(824-849)	15MHz	QPSK	26965	1RB#0	23.78	21.93	38.45	PASS
Band26(824-849)	15MHz	QPSK	26965	1RB#38	23.86	22.01	38.45	PASS
Band26(824-849)	15MHz	QPSK	26965	1RB#74	23.58	21.73	38.45	PASS
Band26(824-849)	15MHz	QPSK	26965	75RB#0	22.77	20.92	38.45	PASS
Band26(824-849)	15MHz	16QAM	26965	1RB#0	22.74	20.89	38.45	PASS
Band26(824-849)	15MHz	16QAM	26965	1RB#38	22.47	20.62	38.45	PASS
Band26(824-849)	15MHz	16QAM	26965	1RB#74	22.62	20.77	38.45	PASS
Band26(824-849)	15MHz	16QAM	26965	75RB#0	21.54	19.69	38.45	PASS

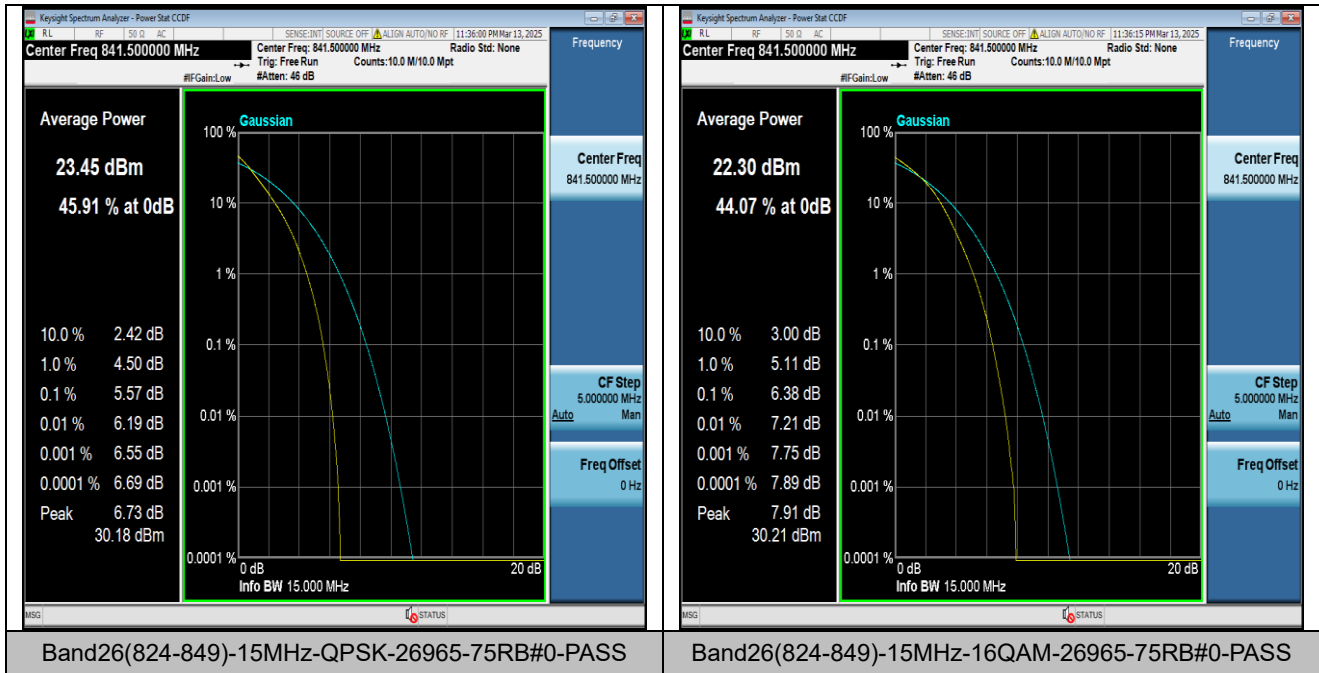
Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band26(824-849)	15MHz	QPSK	26865	75RB#0	5.58	13	PASS
Band26(824-849)	15MHz	16QAM	26865	75RB#0	6.34	13	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	5.60	13	PASS
Band26(824-849)	15MHz	16QAM	26915	75RB#0	6.38	13	PASS
Band26(824-849)	15MHz	QPSK	26965	75RB#0	5.57	13	PASS
Band26(824-849)	15MHz	16QAM	26965	75RB#0	6.38	13	PASS

Test Graphs



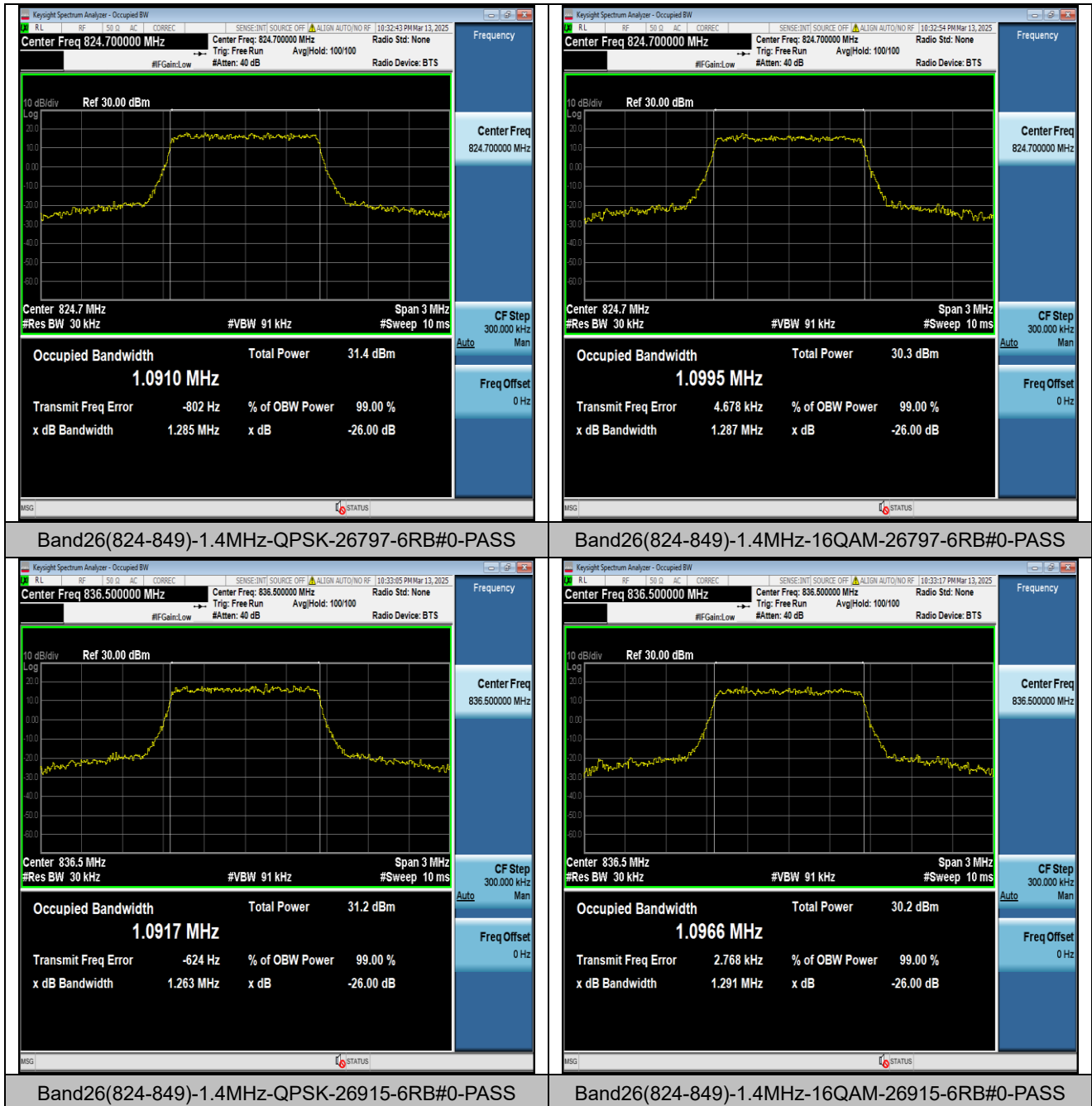


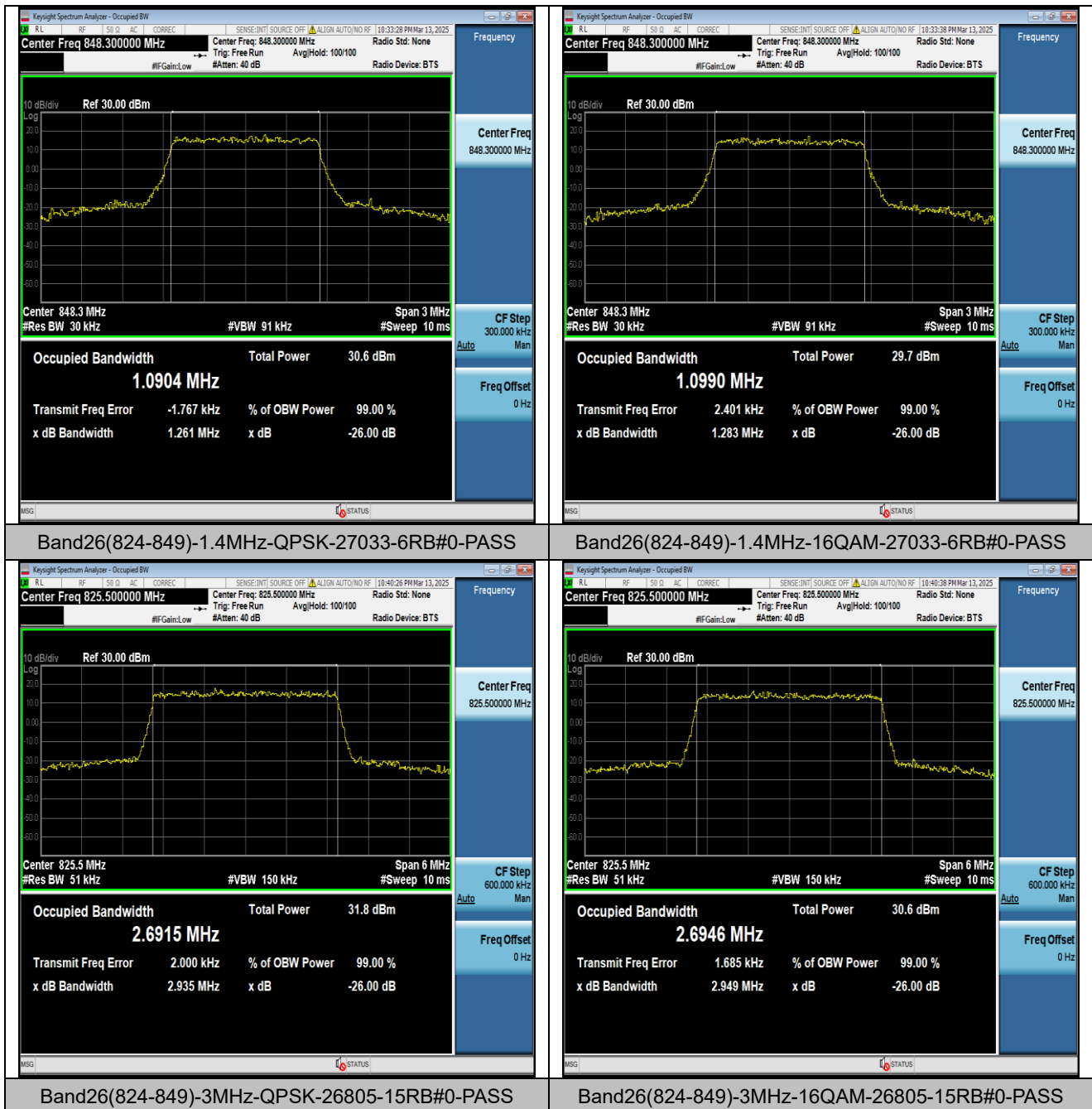
26dB Bandwidth and Occupied Bandwidth

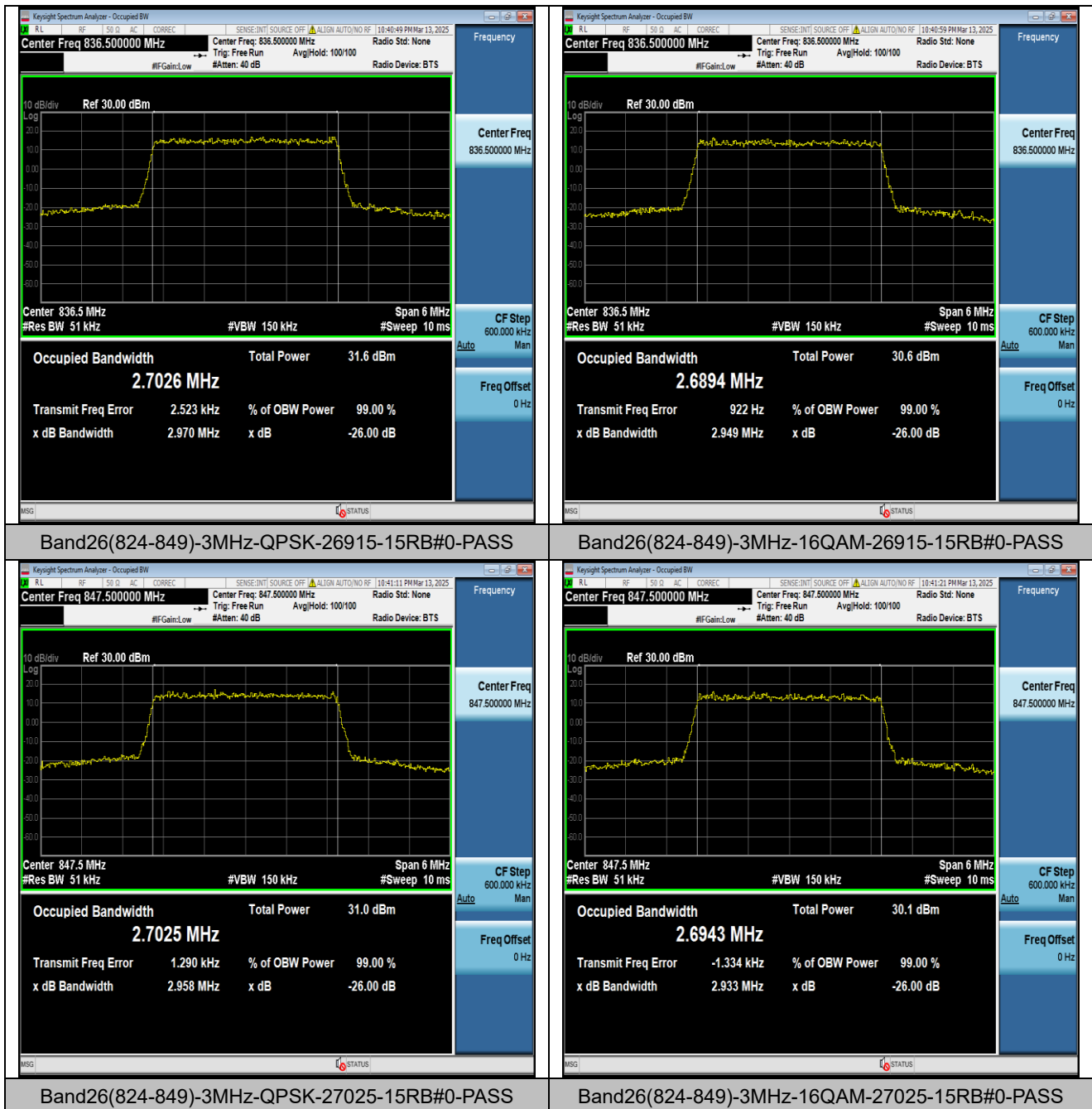
Test Result

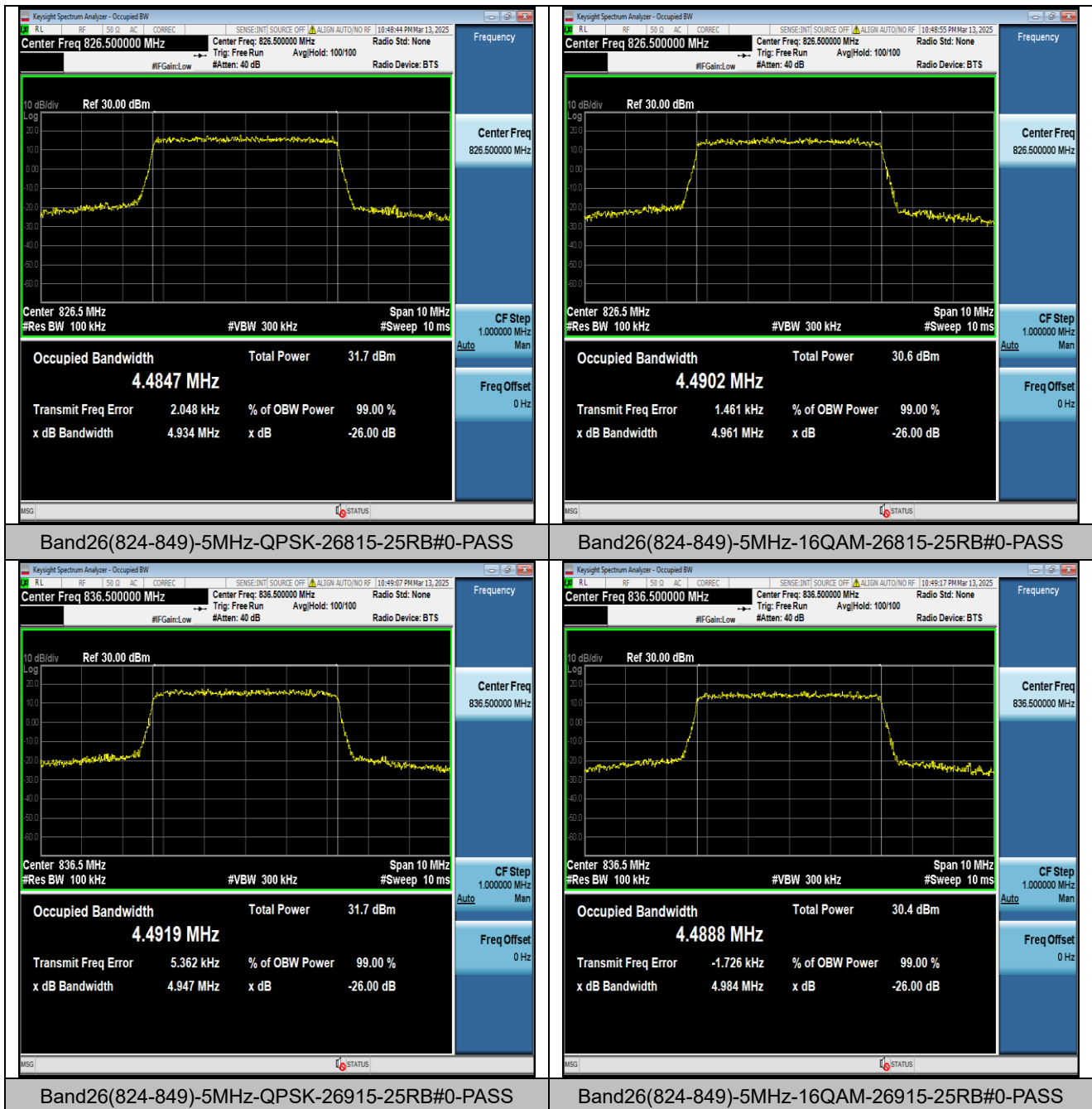
Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band26(824-849)	1.4MHz	QPSK	26797	6RB#0	1.0910	1.285	PASS
Band26(824-849)	1.4MHz	16QAM	26797	6RB#0	1.0995	1.287	PASS
Band26(824-849)	1.4MHz	QPSK	26915	6RB#0	1.0917	1.263	PASS
Band26(824-849)	1.4MHz	16QAM	26915	6RB#0	1.0966	1.291	PASS
Band26(824-849)	1.4MHz	QPSK	27033	6RB#0	1.0904	1.261	PASS
Band26(824-849)	1.4MHz	16QAM	27033	6RB#0	1.0990	1.283	PASS
Band26(824-849)	3MHz	QPSK	26805	15RB#0	2.6915	2.935	PASS
Band26(824-849)	3MHz	16QAM	26805	15RB#0	2.6946	2.949	PASS
Band26(824-849)	3MHz	QPSK	26915	15RB#0	2.7026	2.970	PASS
Band26(824-849)	3MHz	16QAM	26915	15RB#0	2.6894	2.949	PASS
Band26(824-849)	3MHz	QPSK	27025	15RB#0	2.7025	2.958	PASS
Band26(824-849)	3MHz	16QAM	27025	15RB#0	2.6943	2.933	PASS
Band26(824-849)	5MHz	QPSK	26815	25RB#0	4.4847	4.934	PASS
Band26(824-849)	5MHz	16QAM	26815	25RB#0	4.4902	4.961	PASS
Band26(824-849)	5MHz	QPSK	26915	25RB#0	4.4919	4.947	PASS
Band26(824-849)	5MHz	16QAM	26915	25RB#0	4.4888	4.984	PASS
Band26(824-849)	5MHz	QPSK	27015	25RB#0	4.4852	4.933	PASS
Band26(824-849)	5MHz	16QAM	27015	25RB#0	4.4779	4.945	PASS
Band26(824-849)	10MHz	QPSK	26840	50RB#0	8.9609	9.703	PASS
Band26(824-849)	10MHz	16QAM	26840	50RB#0	8.9404	9.821	PASS
Band26(824-849)	10MHz	QPSK	26915	50RB#0	8.9756	9.813	PASS
Band26(824-849)	10MHz	16QAM	26915	50RB#0	8.9524	9.784	PASS
Band26(824-849)	10MHz	QPSK	26990	50RB#0	8.9732	9.853	PASS
Band26(824-849)	10MHz	16QAM	26990	50RB#0	8.9423	9.780	PASS
Band26(824-849)	15MHz	QPSK	26865	75RB#0	13.448	14.73	PASS
Band26(824-849)	15MHz	16QAM	26865	75RB#0	13.429	14.64	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	13.451	14.66	PASS
Band26(824-849)	15MHz	16QAM	26915	75RB#0	13.437	14.66	PASS
Band26(824-849)	15MHz	QPSK	26965	75RB#0	13.412	14.69	PASS
Band26(824-849)	15MHz	16QAM	26965	75RB#0	13.423	14.75	PASS

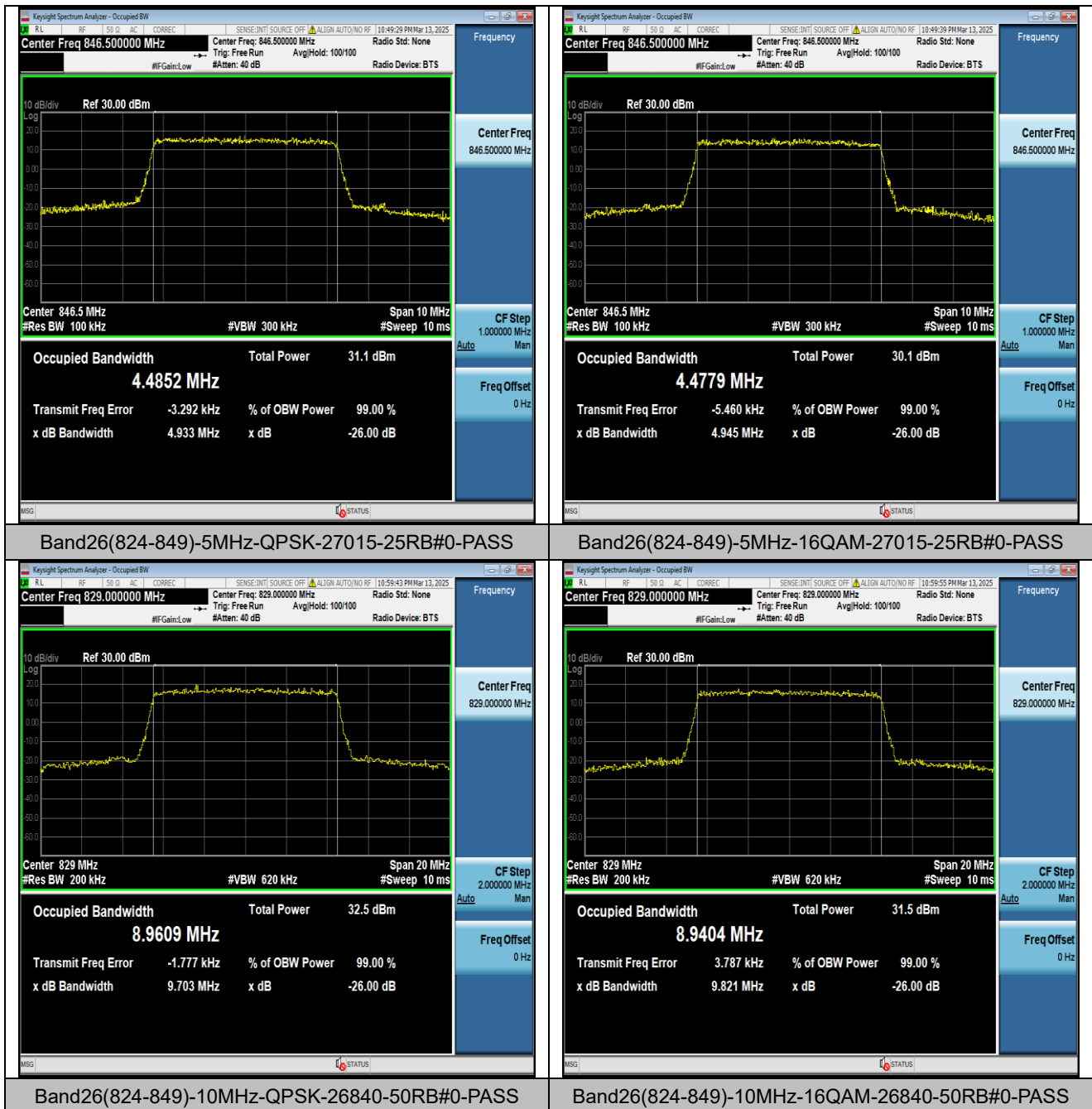
Test Graphs

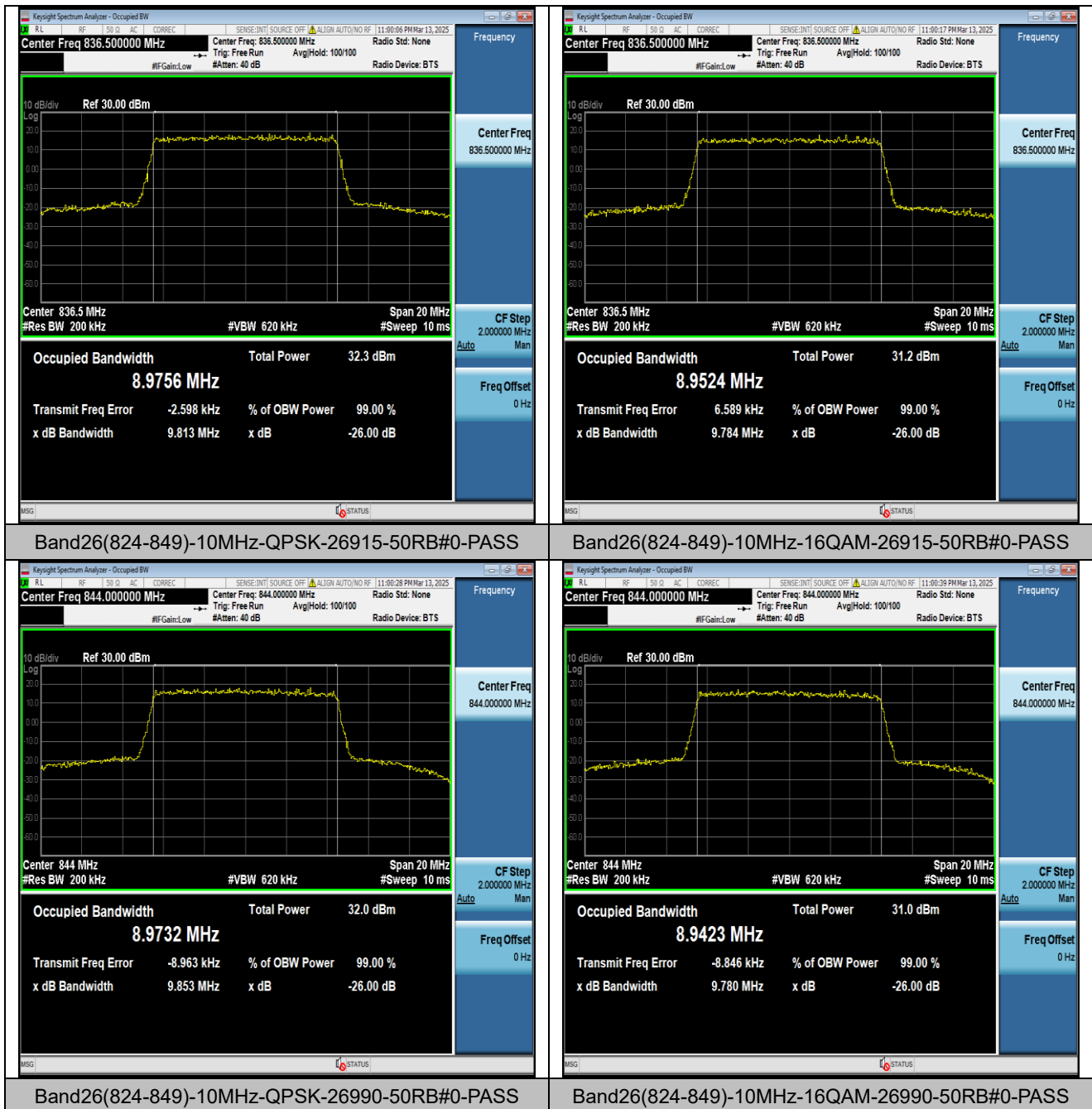


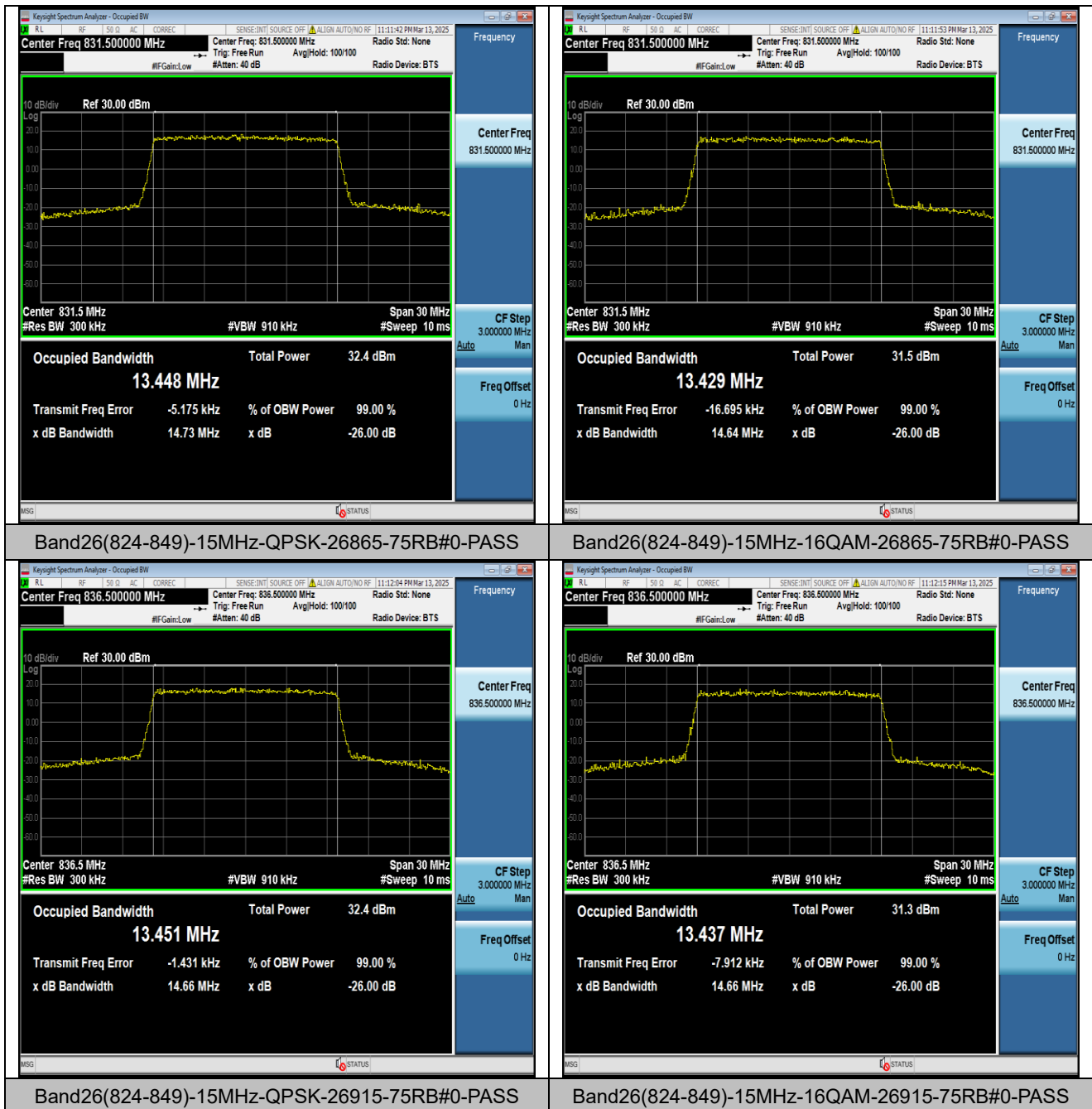


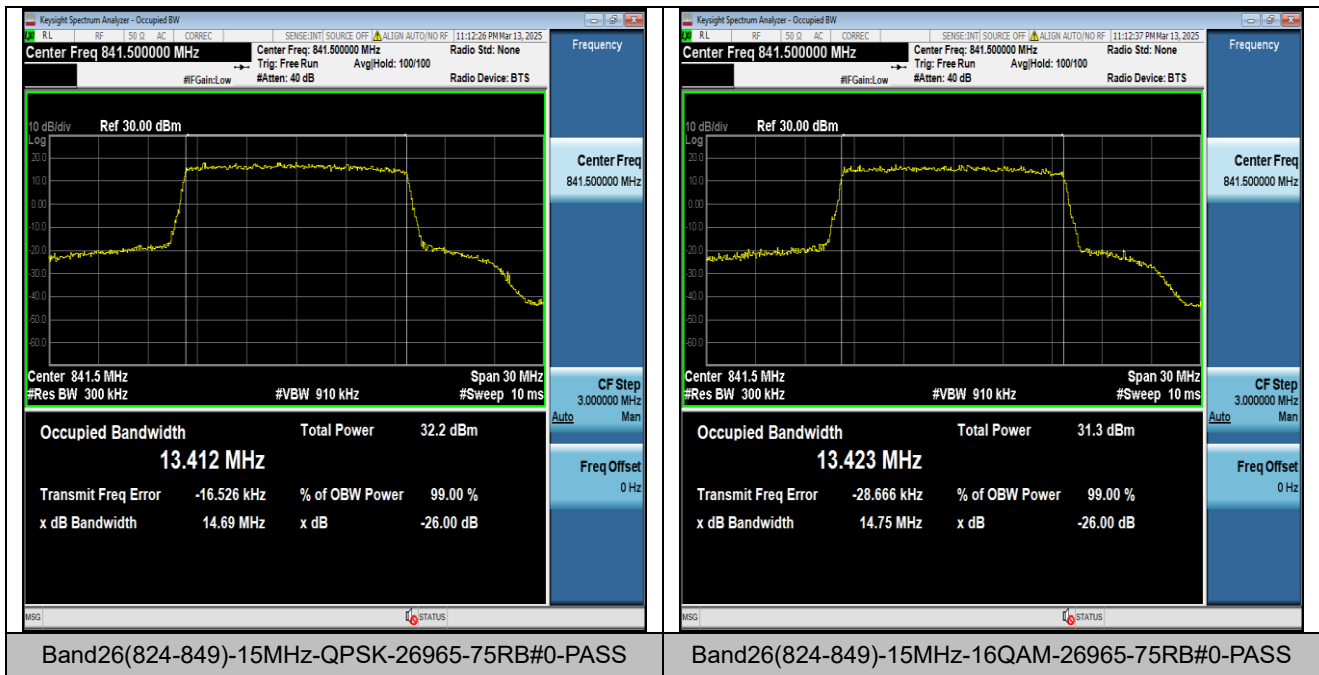






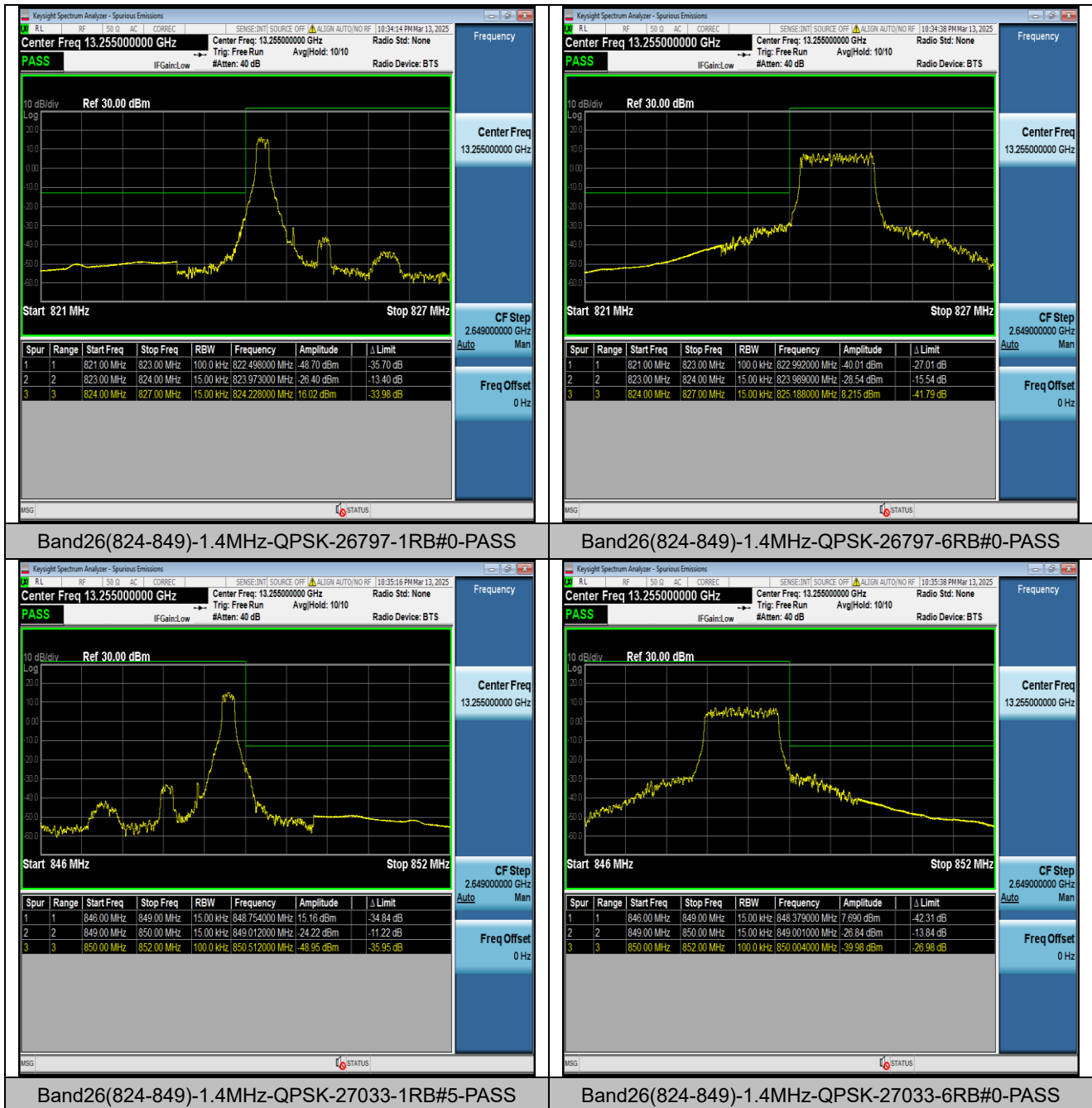


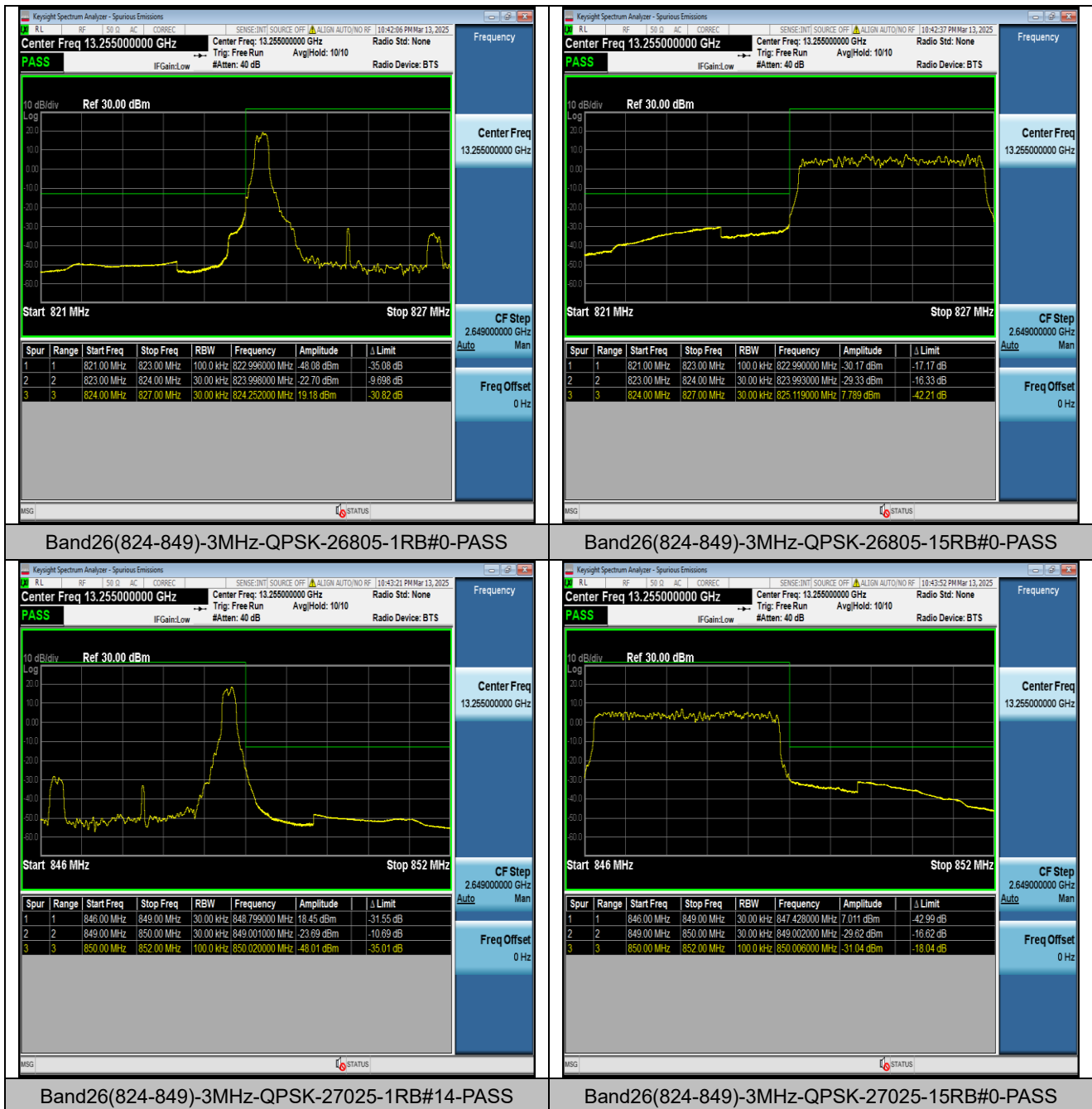


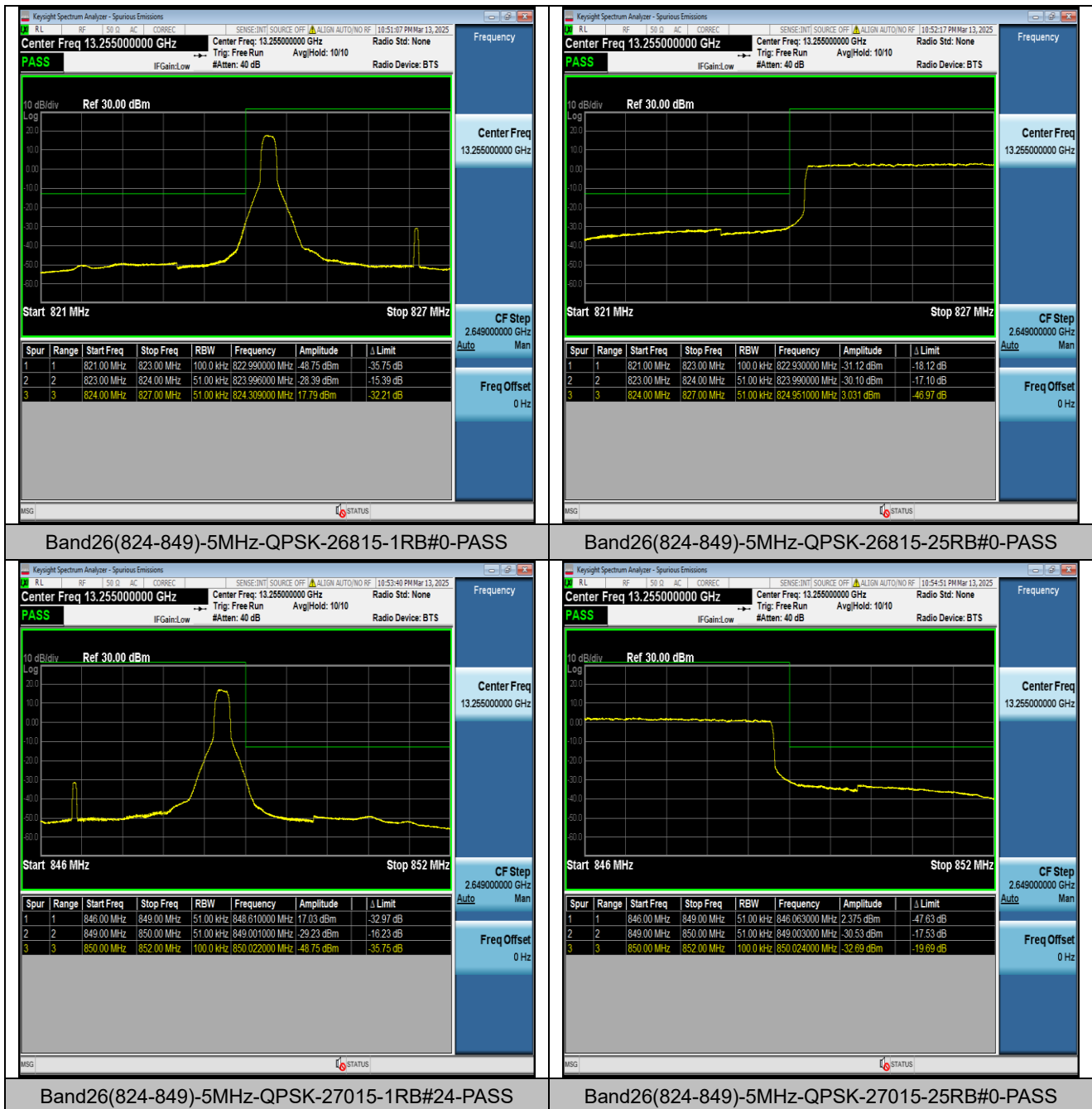


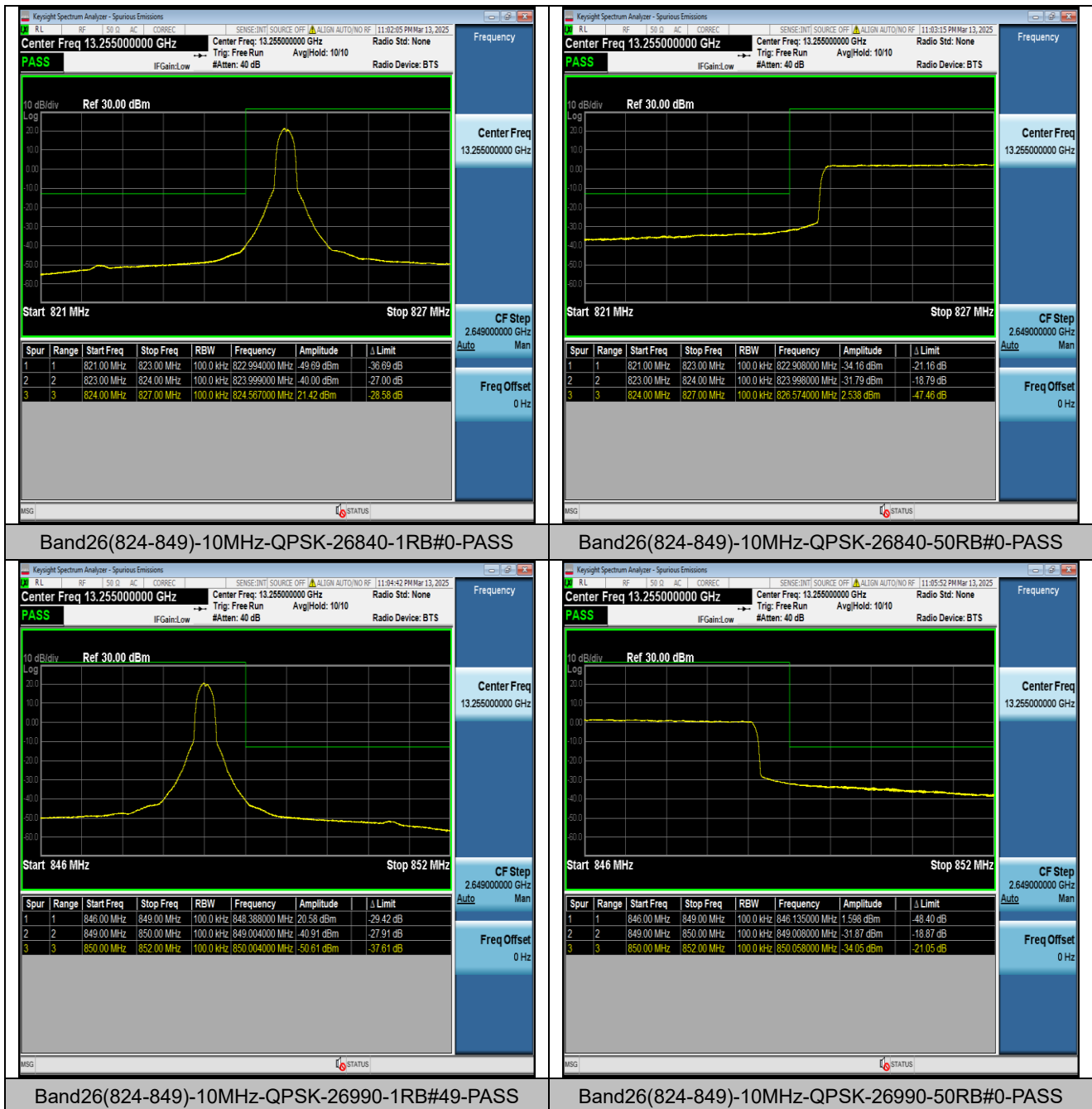
Band Edge

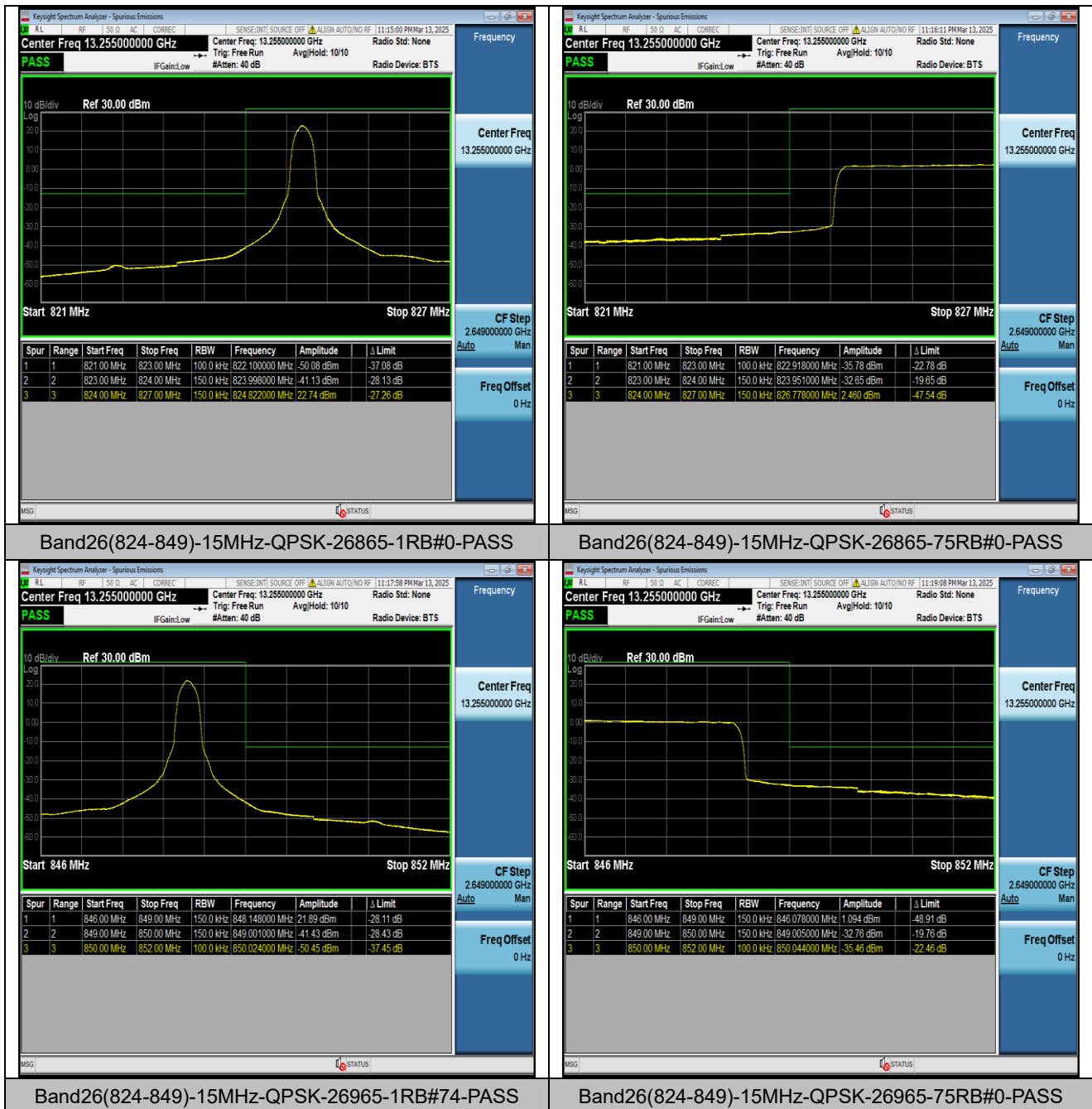
Test Graphs





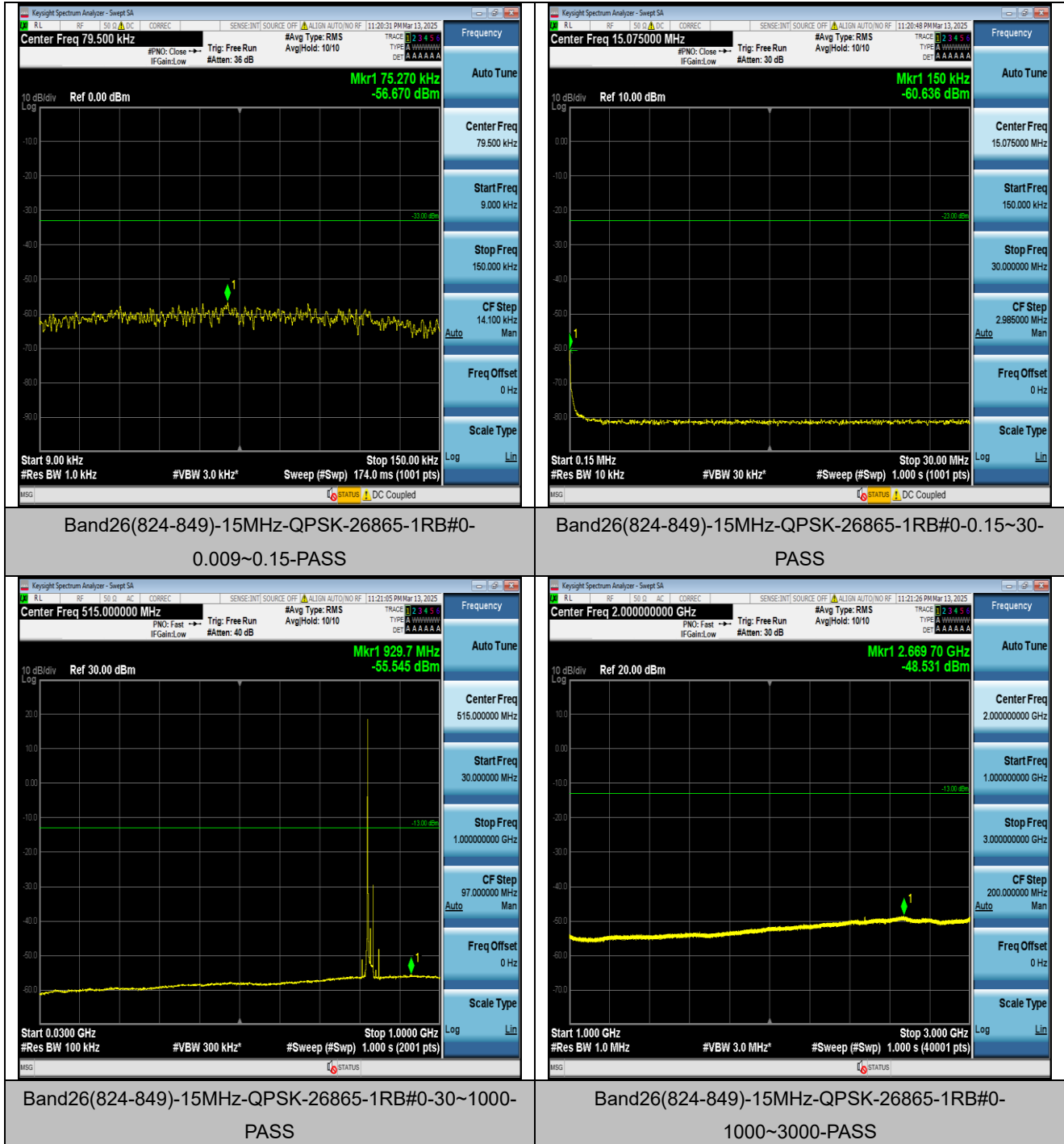


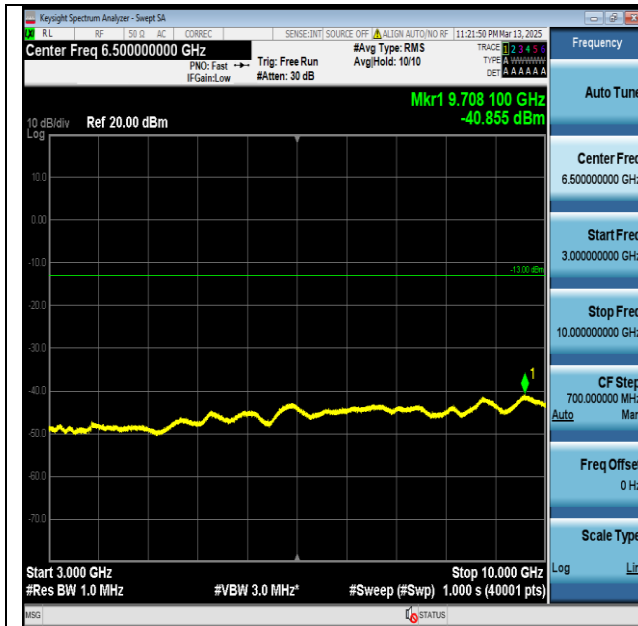




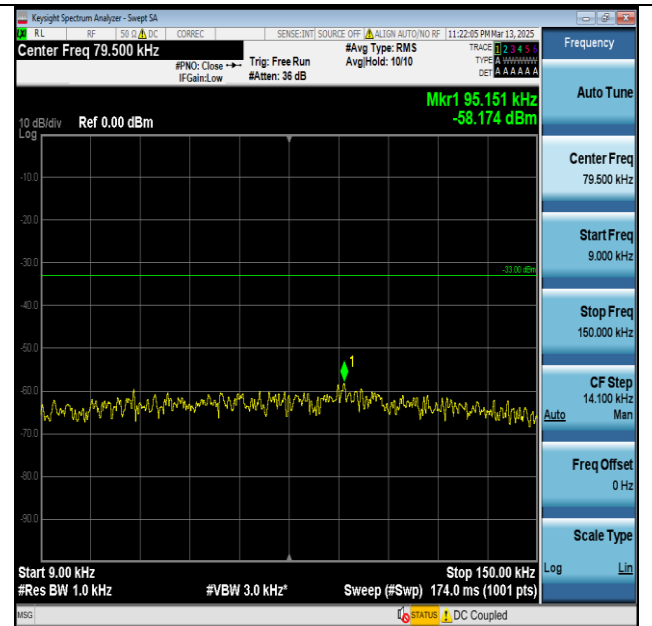
Conducted Spurious Emission

Test Graphs

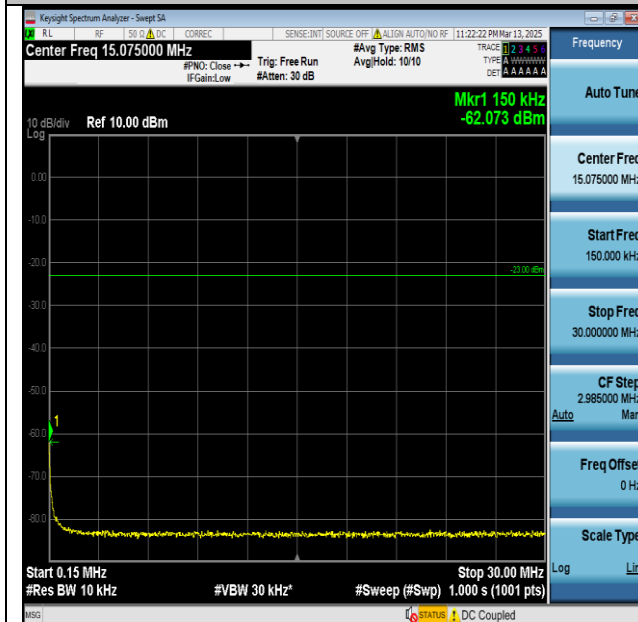




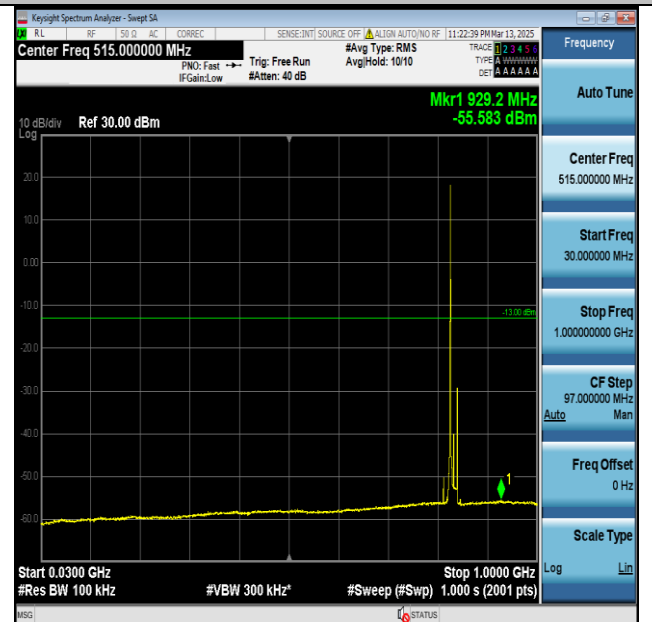
Band26(824-849)-15MHz-QPSK-26865-1RB#0-
3000~10000-PASS



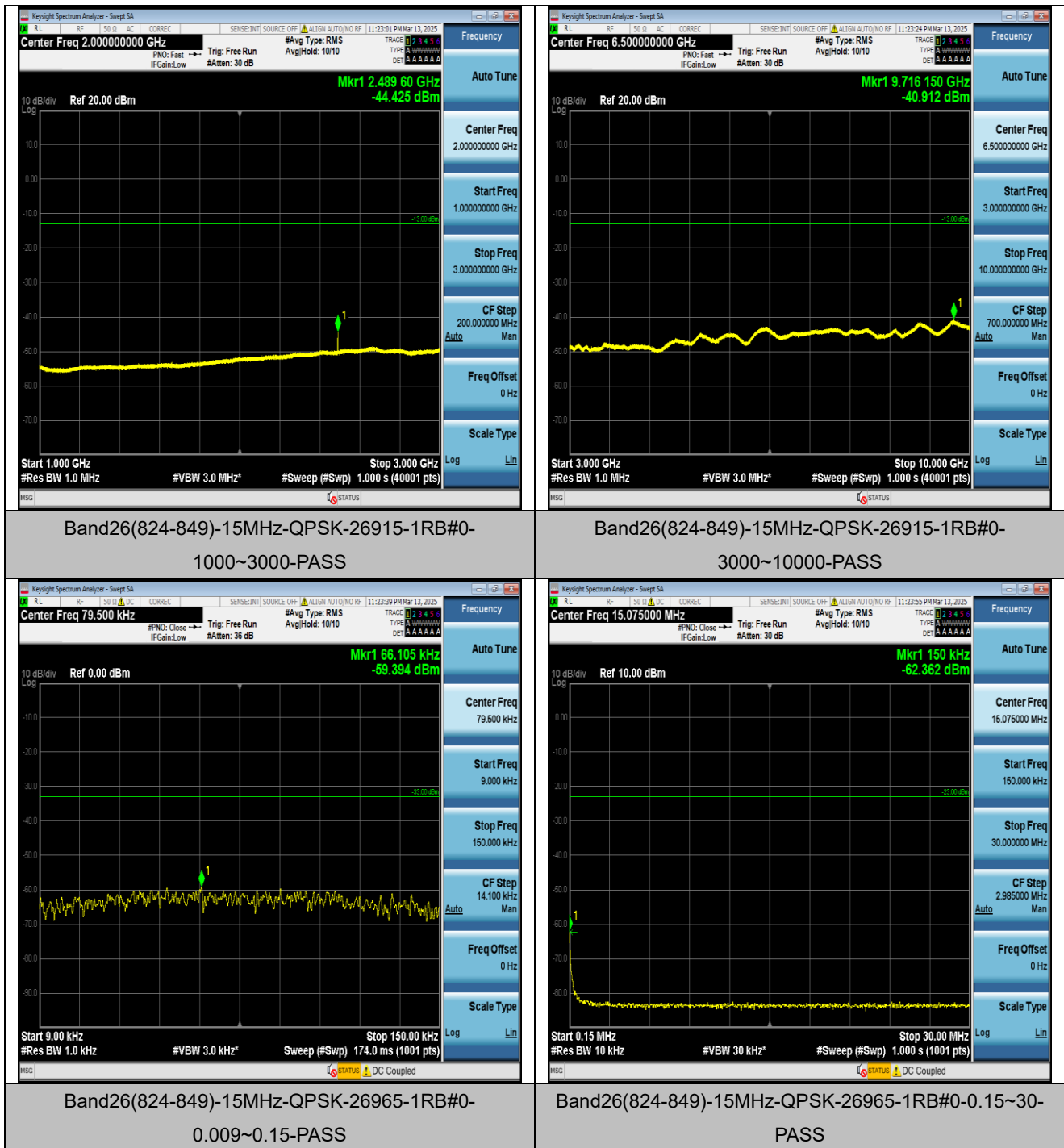
Band26(824-849)-15MHz-QPSK-26915-1RB#0-
0.009~0.15-PASS



Band26(824-849)-15MHz-QPSK-26915-1RB#0-0.15~30-
PASS

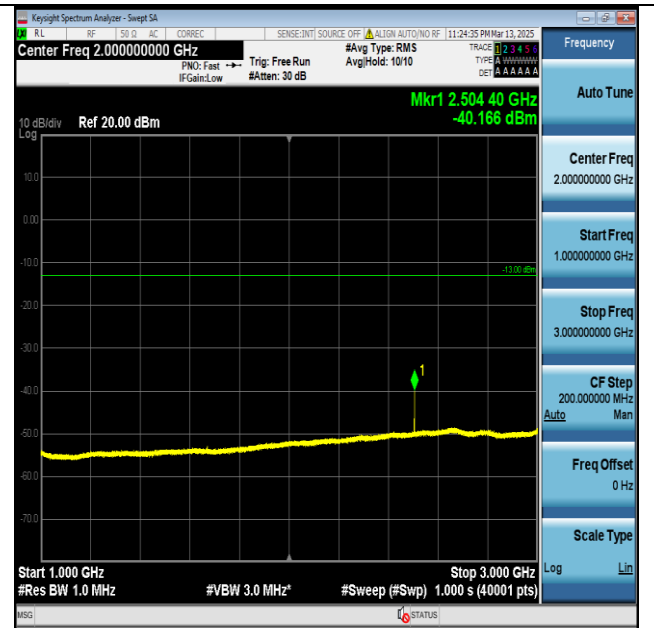


Band26(824-849)-15MHz-QPSK-26915-1RB#0-30~1000-
PASS

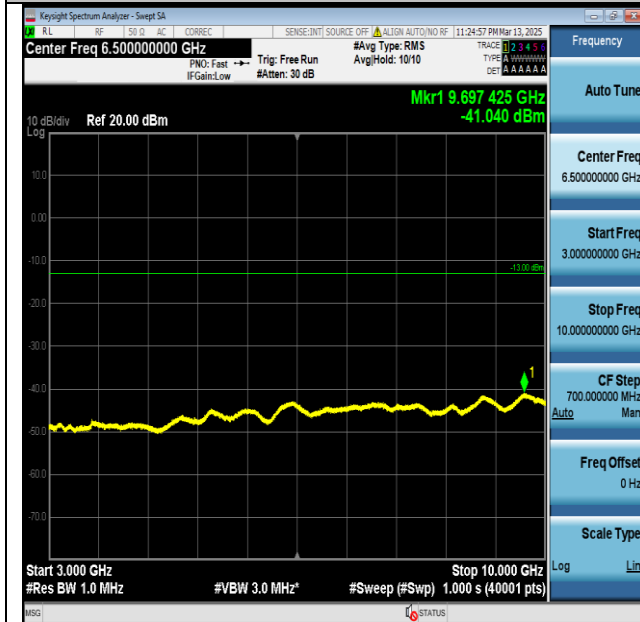




Band26(824-849)-15MHz-QPSK-26965-1RB#0-30~1000-PASS



Band26(824-849)-15MHz-QPSK-26965-1RB#0-1000~3000-PASS



Band26(824-849)-15MHz-QPSK-26965-1RB#0-3000~10000-PASS

Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26(824-849)	15MHz	QPSK	26915	75RB#0	VN	NT	0.00	0.000000	±2.5	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	VL	NT	0.30	0.000359	±2.5	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	VH	NT	0.00	0.000000	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26(824-849)	15MHz	QPSK	26915	75RB#0	NV	-30	0.40	0.000478	±2.5	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	NV	-20	-1.10	-0.001315	±2.5	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	NV	-10	0.50	0.000598	±2.5	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	NV	0	0.20	0.000239	±2.5	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	NV	10	1.90	0.002271	±2.5	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	NV	20	-0.10	-0.000120	±2.5	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	NV	30	-0.70	-0.000837	±2.5	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	NV	40	0.30	0.000359	±2.5	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	NV	50	-0.20	-0.000239	±2.5	PASS

~The End~