

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	23.19	21.34	38.45	PASS
Band26(824-849)	1.4MHz	QPSK	26797	1RB#2	23.14	21.29	38.45	PASS
Band26(824-849)	1.4MHz	QPSK	26797	1RB#5	23.12	21.27	38.45	PASS
Band26(824-849)	1.4MHz	QPSK	26797	6RB#0	22.42	20.57	38.45	PASS
Band26(824-849)	1.4MHz	16QAM	26797	1RB#0	22.33	20.48	38.45	PASS
Band26(824-849)	1.4MHz	16QAM	26797	1RB#2	22.31	20.46	38.45	PASS
Band26(824-849)	1.4MHz	16QAM	26797	1RB#5	22.36	20.51	38.45	PASS
Band26(824-849)	1.4MHz	16QAM	26797	6RB#0	21.36	19.51	38.45	PASS
Band26(824-849)	1.4MHz	QPSK	26915	1RB#0	23.27	21.42	38.45	PASS
Band26(824-849)	1.4MHz	QPSK	26915	1RB#2	23.23	21.38	38.45	PASS
Band26(824-849)	1.4MHz	QPSK	26915	1RB#5	23.14	21.29	38.45	PASS
Band26(824-849)	1.4MHz	QPSK	26915	6RB#0	22.35	20.5	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	22.19	20.34	38.45	PASS
Band26(824-849)	1.4MHz	16QAM	26915	1RB#5	22.43	20.58	38.45	PASS
Band26(824-849)	1.4MHz	16QAM	26915	6RB#0	21.42	19.57	38.45	PASS
Band26(824-849)	1.4MHz	QPSK	27033	1RB#0	23.17	21.32	38.45	PASS
Band26(824-849)	1.4MHz	QPSK	27033	1RB#2	23.25	21.4	38.45	PASS
Band26(824-849)	1.4MHz	QPSK	27033	1RB#5	23.32	21.47	38.45	PASS
Band26(824-849)	1.4MHz	QPSK	27033	6RB#0	22.03	20.18	38.45	PASS
Band26(824-849)	1.4MHz	16QAM	27033	1RB#0	22.35	20.5	38.45	PASS
Band26(824-849)	1.4MHz	16QAM	27033	1RB#2	22.42	20.57	38.45	PASS
Band26(824-849)	1.4MHz	16QAM	27033	1RB#5	22.32	20.47	38.45	PASS
Band26(824-849)	1.4MHz	16QAM	27033	6RB#0	21.38	19.53	38.45	PASS
Band26(824-849)	3MHz	QPSK	26805	1RB#0	23.26	21.41	38.45	PASS
Band26(824-849)	3MHz	QPSK	26805	1RB#8	23.26	21.41	38.45	PASS
Band26(824-849)	3MHz	QPSK	26805	1RB#14	23.24	21.39	38.45	PASS
Band26(824-849)	3MHz	QPSK	26805	15RB#0	22.47	20.62	38.45	PASS
Band26(824-849)	3MHz	16QAM	26805	1RB#0	22.8	20.95	38.45	PASS
Band26(824-849)	3MHz	16QAM	26805	1RB#8	22.79	20.94	38.45	PASS
Band26(824-849)	3MHz	16QAM	26805	1RB#14	22.42	20.57	38.45	PASS
Band26(824-849)	3MHz	16QAM	26805	15RB#0	21.22	19.37	38.45	PASS
Band26(824-849)	3MHz	QPSK	26915	1RB#0	23.04	21.19	38.45	PASS
Band26(824-849)	3MHz	QPSK	26915	1RB#8	23.04	21.19	38.45	PASS
Band26(824-849)	3MHz	QPSK	26915	1RB#14	23.03	21.18	38.45	PASS
Band26(824-849)	3MHz	QPSK	26915	15RB#0	22.41	20.56	38.45	PASS
Band26(824-849)	3MHz	16QAM	26915	1RB#0	22.18	20.33	38.45	PASS

Band26(824-849)	3MHz	16QAM	26915	1RB#8	22.19	20.34	38.45	PASS
Band26(824-849)	3MHz	16QAM	26915	1RB#14	22.51	20.66	38.45	PASS
Band26(824-849)	3MHz	16QAM	26915	15RB#0	21.36	19.51	38.45	PASS
Band26(824-849)	3MHz	QPSK	27025	1RB#0	23.19	21.34	38.45	PASS
Band26(824-849)	3MHz	QPSK	27025	1RB#8	23.29	21.44	38.45	PASS
Band26(824-849)	3MHz	QPSK	27025	1RB#14	23.28	21.43	38.45	PASS
Band26(824-849)	3MHz	QPSK	27025	15RB#0	22.11	20.26	38.45	PASS
Band26(824-849)	3MHz	16QAM	27025	1RB#0	22.41	20.56	38.45	PASS
Band26(824-849)	3MHz	16QAM	27025	1RB#8	22.02	20.17	38.45	PASS
Band26(824-849)	3MHz	16QAM	27025	1RB#14	22.07	20.22	38.45	PASS
Band26(824-849)	3MHz	16QAM	27025	15RB#0	21.31	19.46	38.45	PASS
Band26(824-849)	5MHz	QPSK	26815	1RB#0	23.03	21.18	38.45	PASS
Band26(824-849)	5MHz	QPSK	26815	1RB#12	23.05	21.2	38.45	PASS
Band26(824-849)	5MHz	QPSK	26815	1RB#24	23.21	21.36	38.45	PASS
Band26(824-849)	5MHz	QPSK	26815	25RB#0	22.41	20.56	38.45	PASS
Band26(824-849)	5MHz	16QAM	26815	1RB#0	22.23	20.38	38.45	PASS
Band26(824-849)	5MHz	16QAM	26815	1RB#12	22.42	20.57	38.45	PASS
Band26(824-849)	5MHz	16QAM	26815	1RB#24	22.07	20.22	38.45	PASS
Band26(824-849)	5MHz	16QAM	26815	25RB#0	21.43	19.58	38.45	PASS
Band26(824-849)	5MHz	QPSK	26915	1RB#0	23.23	21.38	38.45	PASS
Band26(824-849)	5MHz	QPSK	26915	1RB#12	23.08	21.23	38.45	PASS
Band26(824-849)	5MHz	QPSK	26915	1RB#24	23.06	21.21	38.45	PASS
Band26(824-849)	5MHz	QPSK	26915	25RB#0	22.33	20.48	38.45	PASS
Band26(824-849)	5MHz	16QAM	26915	1RB#0	22.01	20.16	38.45	PASS
Band26(824-849)	5MHz	16QAM	26915	1RB#12	22.15	20.3	38.45	PASS
Band26(824-849)	5MHz	16QAM	26915	1RB#24	22.17	20.32	38.45	PASS
Band26(824-849)	5MHz	16QAM	26915	25RB#0	21.32	19.47	38.45	PASS
Band26(824-849)	5MHz	QPSK	27015	1RB#0	23.02	21.17	38.45	PASS
Band26(824-849)	5MHz	QPSK	27015	1RB#12	23.19	21.34	38.45	PASS
Band26(824-849)	5MHz	QPSK	27015	1RB#24	23.06	21.21	38.45	PASS
Band26(824-849)	5MHz	QPSK	27015	25RB#0	22.15	20.3	38.45	PASS
Band26(824-849)	5MHz	16QAM	27015	1RB#0	22.35	20.5	38.45	PASS
Band26(824-849)	5MHz	16QAM	27015	1RB#12	22.56	20.71	38.45	PASS
Band26(824-849)	5MHz	16QAM	27015	1RB#24	22.42	20.57	38.45	PASS
Band26(824-849)	5MHz	16QAM	27015	25RB#0	21.15	19.3	38.45	PASS
Band26(824-849)	10MHz	QPSK	26840	1RB#0	23.14	21.29	38.45	PASS
Band26(824-849)	10MHz	QPSK	26840	1RB#24	23.07	21.22	38.45	PASS
Band26(824-849)	10MHz	QPSK	26840	1RB#49	23.21	21.36	38.45	PASS
Band26(824-849)	10MHz	QPSK	26840	50RB#0	22.45	20.6	38.45	PASS
Band26(824-849)	10MHz	16QAM	26840	1RB#0	22.09	20.24	38.45	PASS
Band26(824-849)	10MHz	16QAM	26840	1RB#24	22.44	20.59	38.45	PASS
Band26(824-849)	10MHz	16QAM	26840	1RB#49	22.31	20.46	38.45	PASS
Band26(824-849)	10MHz	16QAM	26840	50RB#0	21.52	19.67	38.45	PASS
Band26(824-849)	10MHz	QPSK	26915	1RB#0	23.09	21.24	38.45	PASS
Band26(824-849)	10MHz	QPSK	26915	1RB#24	23.29	21.44	38.45	PASS

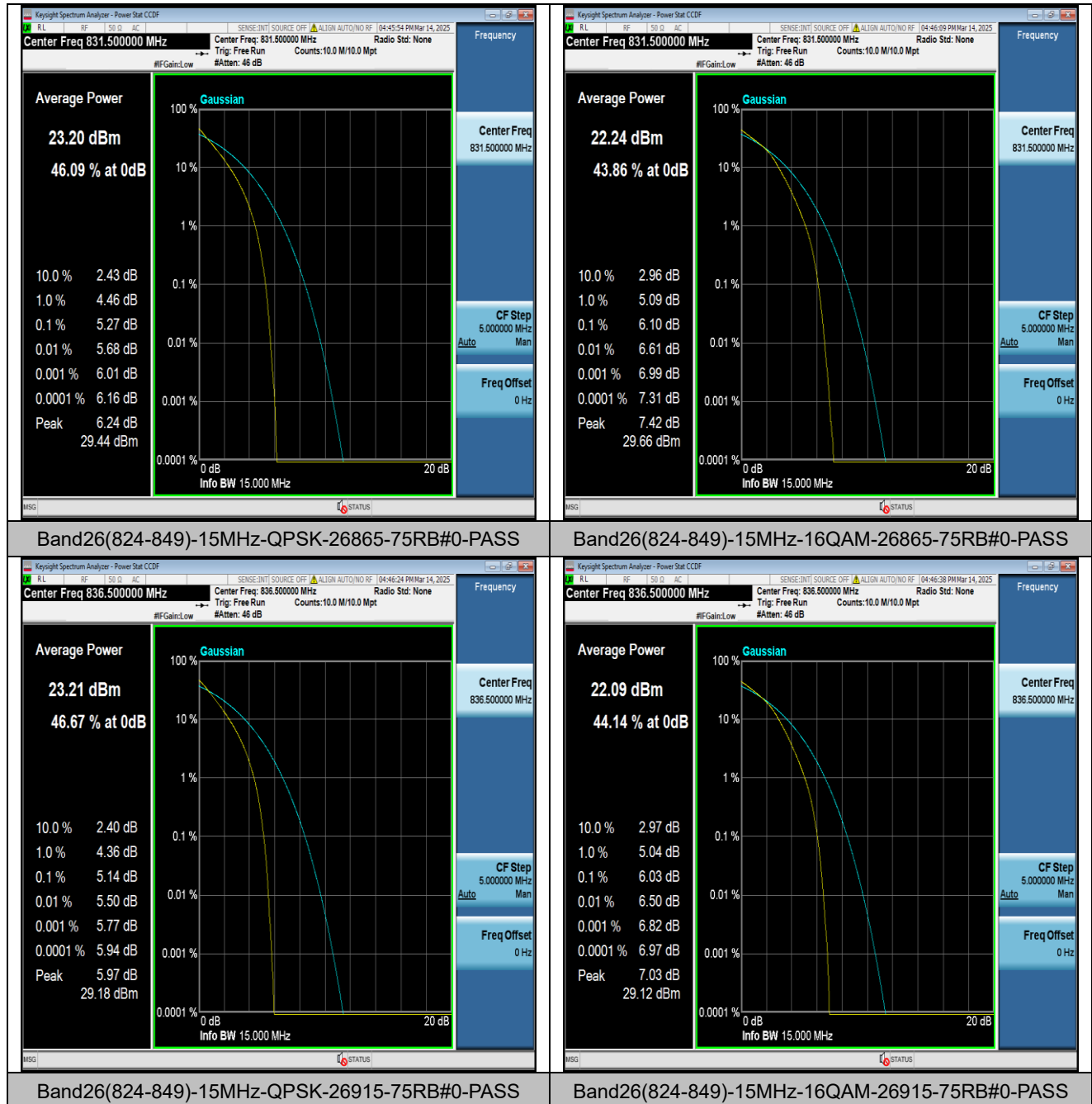
Band26(824-849)	10MHz	QPSK	26915	1RB#49	23.12	21.27	38.45	PASS
Band26(824-849)	10MHz	QPSK	26915	50RB#0	22.33	20.48	38.45	PASS
Band26(824-849)	10MHz	16QAM	26915	1RB#0	22.11	20.26	38.45	PASS
Band26(824-849)	10MHz	16QAM	26915	1RB#24	22.01	20.16	38.45	PASS
Band26(824-849)	10MHz	16QAM	26915	1RB#49	22.17	20.32	38.45	PASS
Band26(824-849)	10MHz	16QAM	26915	50RB#0	21.39	19.54	38.45	PASS
Band26(824-849)	10MHz	QPSK	26990	1RB#0	23.21	21.36	38.45	PASS
Band26(824-849)	10MHz	QPSK	26990	1RB#24	23.21	21.36	38.45	PASS
Band26(824-849)	10MHz	QPSK	26990	1RB#49	23.07	21.22	38.45	PASS
Band26(824-849)	10MHz	QPSK	26990	50RB#0	22.25	20.4	38.45	PASS
Band26(824-849)	10MHz	16QAM	26990	1RB#0	22.35	20.5	38.45	PASS
Band26(824-849)	10MHz	16QAM	26990	1RB#24	22.03	20.18	38.45	PASS
Band26(824-849)	10MHz	16QAM	26990	1RB#49	22.06	20.21	38.45	PASS
Band26(824-849)	10MHz	16QAM	26990	50RB#0	21.18	19.33	38.45	PASS
Band26(824-849)	15MHz	QPSK	26865	1RB#0	23.03	21.18	38.45	PASS
Band26(824-849)	15MHz	QPSK	26865	1RB#38	23.25	21.4	38.45	PASS
Band26(824-849)	15MHz	QPSK	26865	1RB#74	23.14	21.29	38.45	PASS
Band26(824-849)	15MHz	QPSK	26865	75RB#0	22.46	20.61	38.45	PASS
Band26(824-849)	15MHz	16QAM	26865	1RB#0	22.01	20.16	38.45	PASS
Band26(824-849)	15MHz	16QAM	26865	1RB#38	22.35	20.5	38.45	PASS
Band26(824-849)	15MHz	16QAM	26865	1RB#74	22.25	20.4	38.45	PASS
Band26(824-849)	15MHz	16QAM	26865	75RB#0	21.51	19.66	38.45	PASS
Band26(824-849)	15MHz	QPSK	26915	1RB#0	23.22	21.37	38.45	PASS
Band26(824-849)	15MHz	QPSK	26915	1RB#38	23.15	21.3	38.45	PASS
Band26(824-849)	15MHz	QPSK	26915	1RB#74	23.17	21.32	38.45	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	22.35	20.5	38.45	PASS
Band26(824-849)	15MHz	16QAM	26915	1RB#0	22.02	20.17	38.45	PASS
Band26(824-849)	15MHz	16QAM	26915	1RB#38	22.23	20.38	38.45	PASS
Band26(824-849)	15MHz	16QAM	26915	1RB#74	22.36	20.51	38.45	PASS
Band26(824-849)	15MHz	16QAM	26915	75RB#0	21.19	19.34	38.45	PASS
Band26(824-849)	15MHz	QPSK	26965	1RB#0	23.23	21.38	38.45	PASS
Band26(824-849)	15MHz	QPSK	26965	1RB#38	23.07	21.22	38.45	PASS
Band26(824-849)	15MHz	QPSK	26965	1RB#74	23.09	21.24	38.45	PASS
Band26(824-849)	15MHz	QPSK	26965	75RB#0	22.38	20.53	38.45	PASS
Band26(824-849)	15MHz	16QAM	26965	1RB#0	22.29	20.44	38.45	PASS
Band26(824-849)	15MHz	16QAM	26965	1RB#38	22.14	20.29	38.45	PASS
Band26(824-849)	15MHz	16QAM	26965	1RB#74	22.06	20.21	38.45	PASS
Band26(824-849)	15MHz	16QAM	26965	75RB#0	21.31	19.46	38.45	PASS

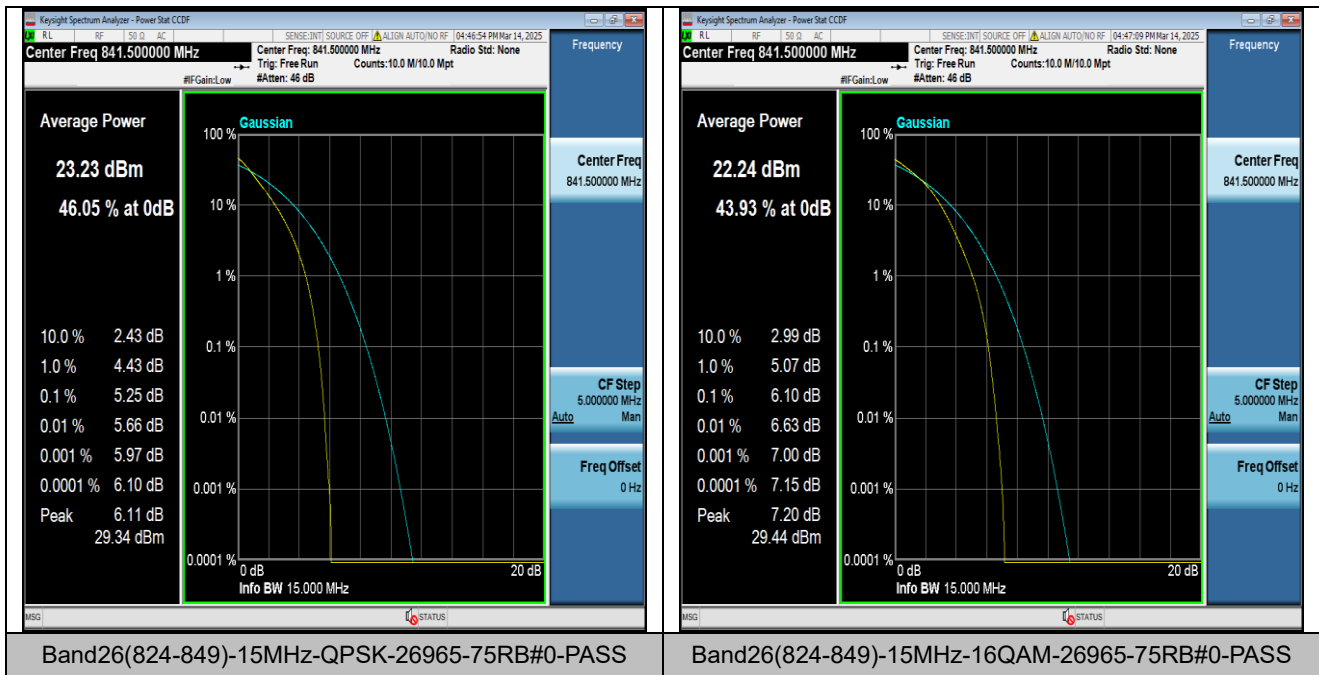
Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band26(824-849)	15MHz	QPSK	26865	75RB#0	5.27	13	PASS
Band26(824-849)	15MHz	16QAM	26865	75RB#0	6.10	13	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	5.14	13	PASS
Band26(824-849)	15MHz	16QAM	26915	75RB#0	6.03	13	PASS
Band26(824-849)	15MHz	QPSK	26965	75RB#0	5.25	13	PASS
Band26(824-849)	15MHz	16QAM	26965	75RB#0	6.10	13	PASS

Test Graphs



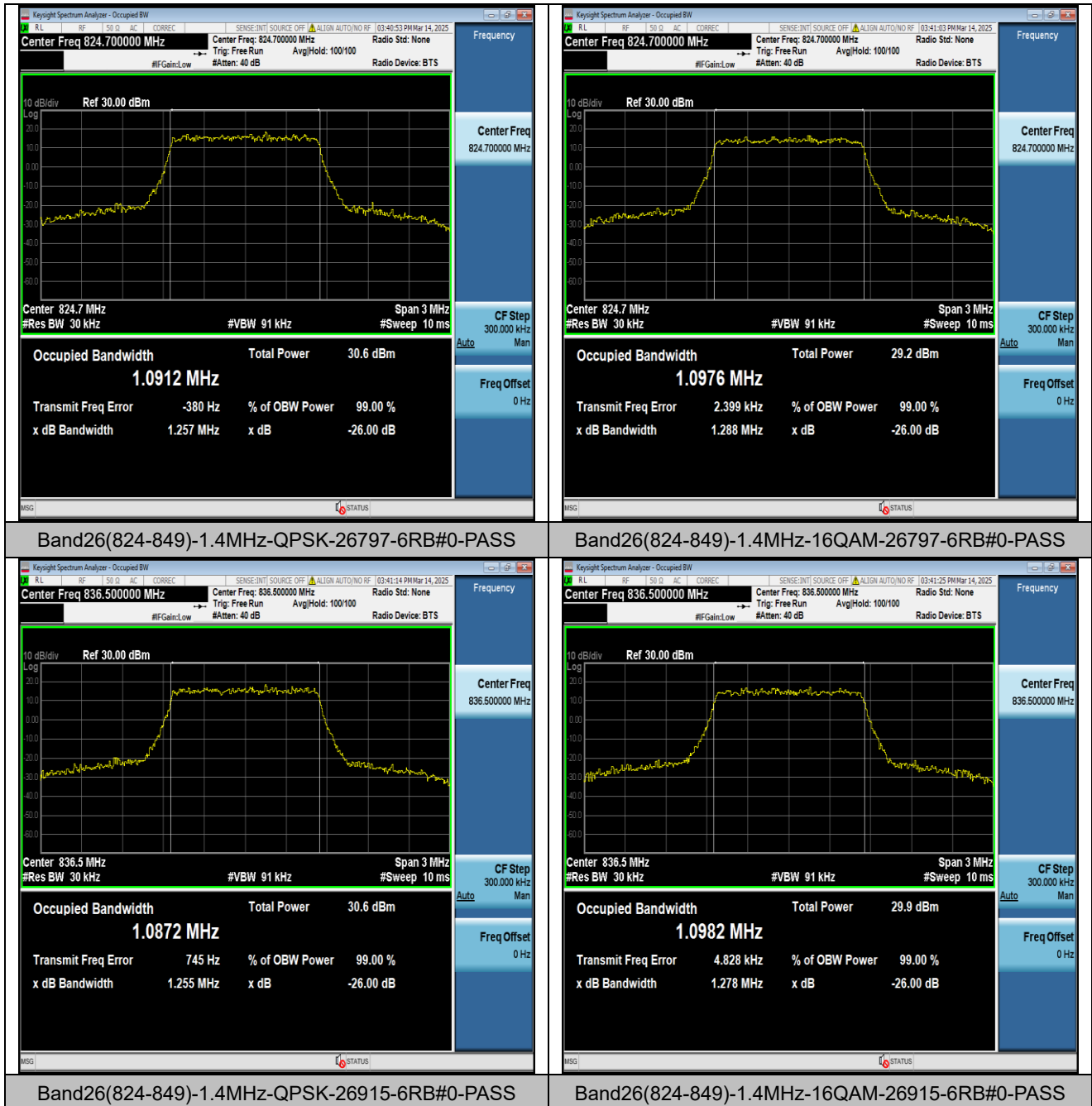


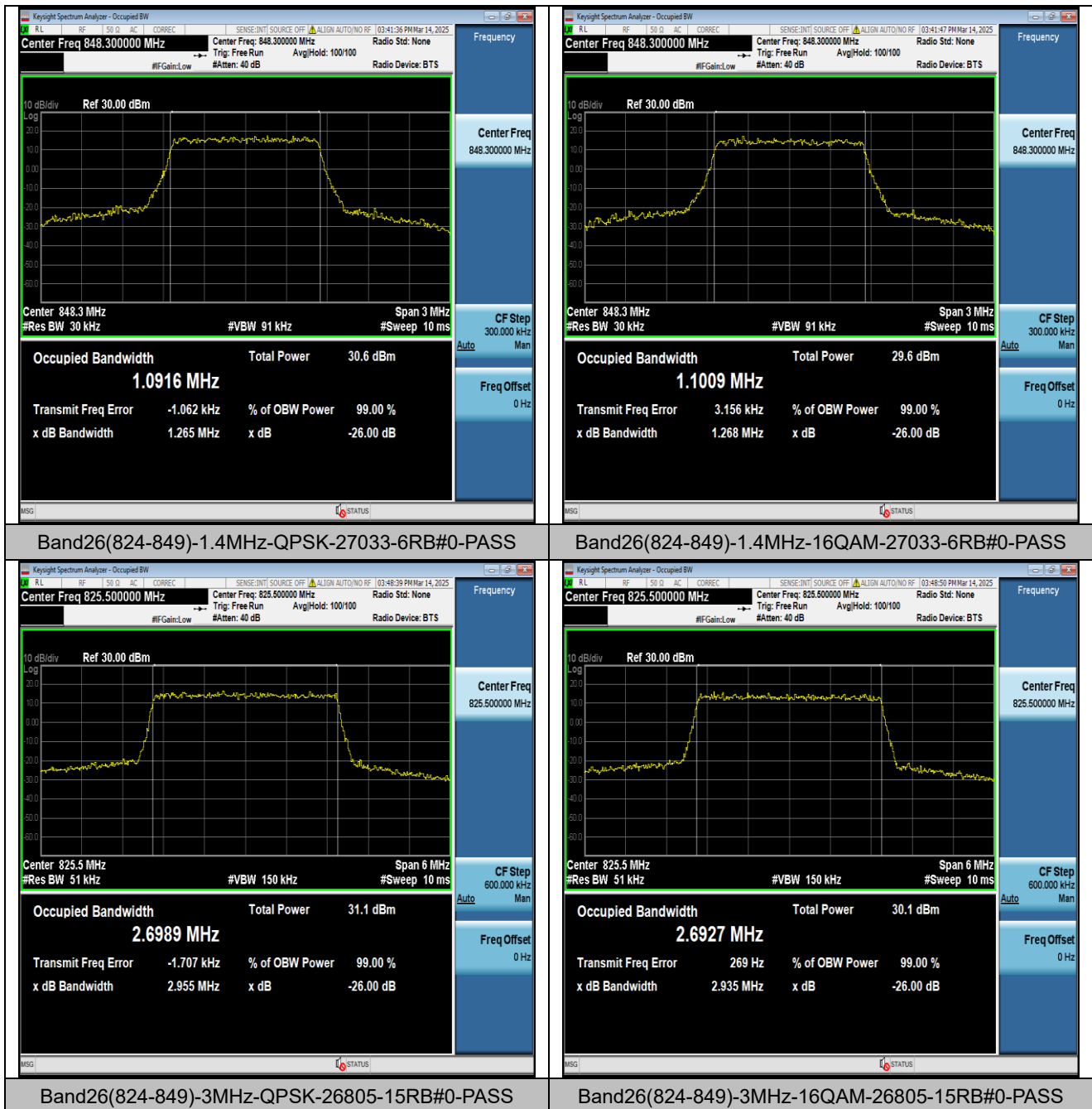
26dB Bandwidth and Occupied Bandwidth

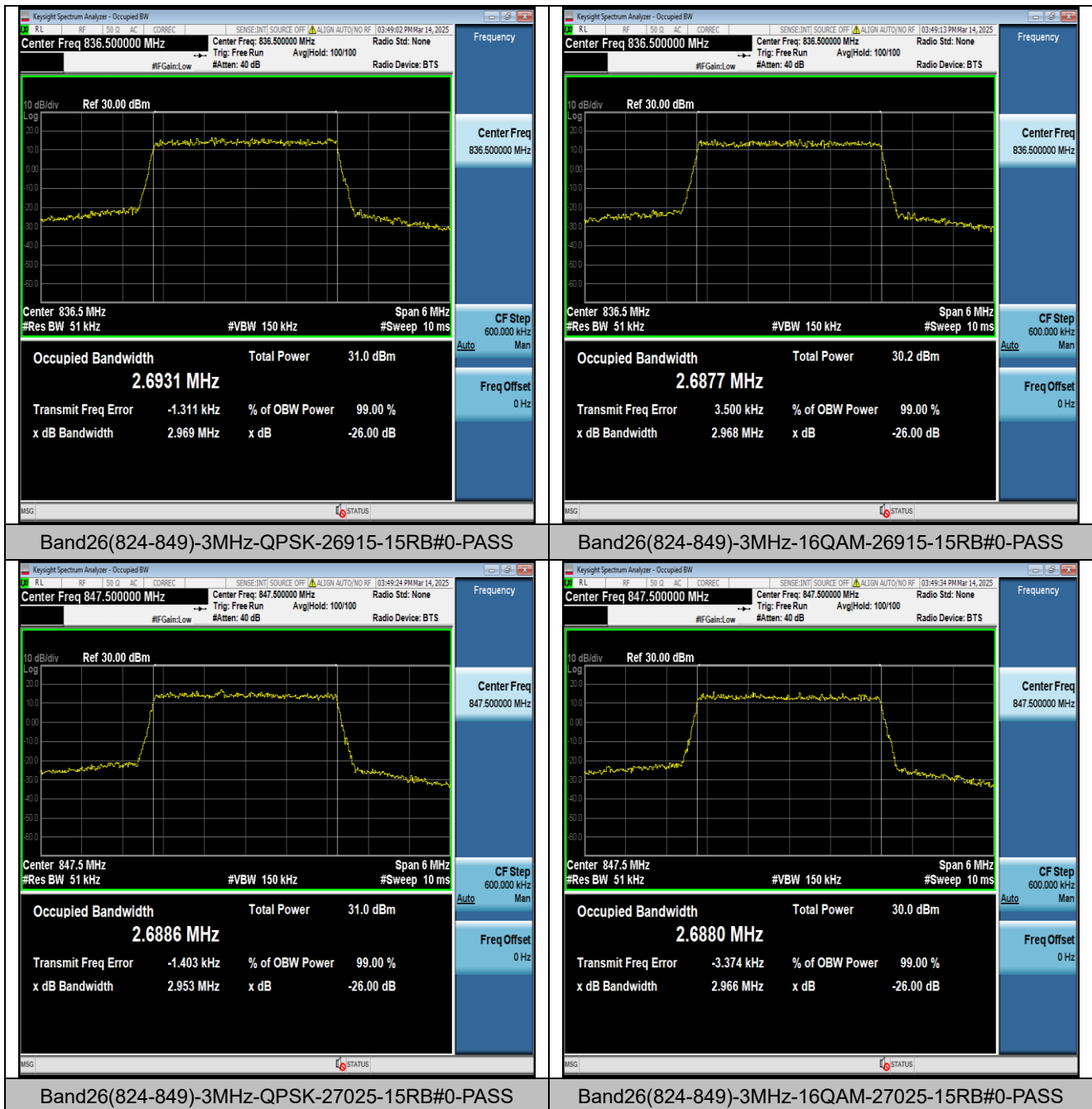
Test Result

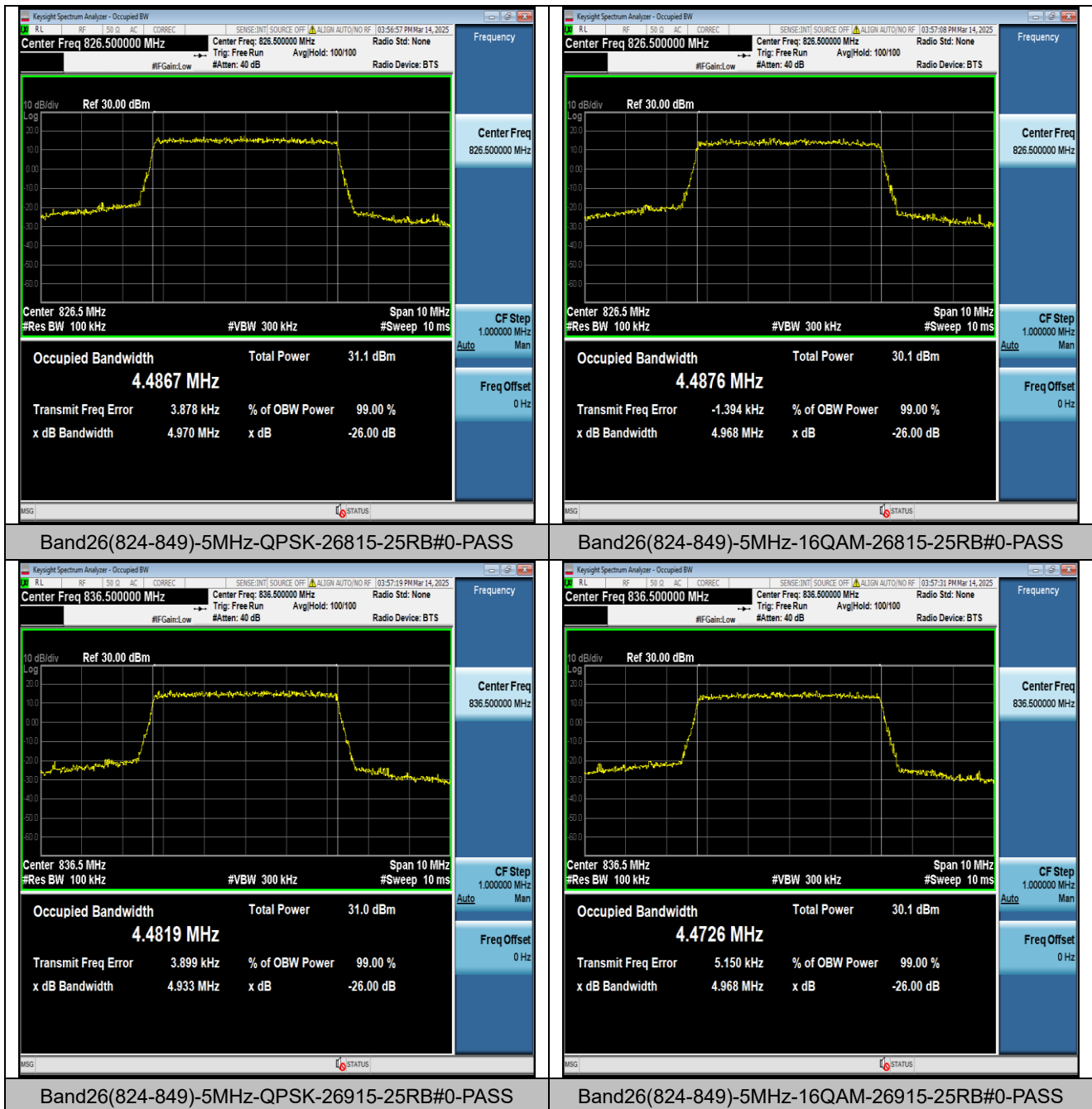
Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band26(824-849)	1.4MHz	QPSK	26797	6RB#0	1.0912	1.257	PASS
Band26(824-849)	1.4MHz	16QAM	26797	6RB#0	1.0976	1.288	PASS
Band26(824-849)	1.4MHz	QPSK	26915	6RB#0	1.0872	1.255	PASS
Band26(824-849)	1.4MHz	16QAM	26915	6RB#0	1.0982	1.278	PASS
Band26(824-849)	1.4MHz	QPSK	27033	6RB#0	1.0916	1.265	PASS
Band26(824-849)	1.4MHz	16QAM	27033	6RB#0	1.1009	1.268	PASS
Band26(824-849)	3MHz	QPSK	26805	15RB#0	2.6989	2.955	PASS
Band26(824-849)	3MHz	16QAM	26805	15RB#0	2.6927	2.935	PASS
Band26(824-849)	3MHz	QPSK	26915	15RB#0	2.6931	2.969	PASS
Band26(824-849)	3MHz	16QAM	26915	15RB#0	2.6877	2.968	PASS
Band26(824-849)	3MHz	QPSK	27025	15RB#0	2.6886	2.953	PASS
Band26(824-849)	3MHz	16QAM	27025	15RB#0	2.6880	2.966	PASS
Band26(824-849)	5MHz	QPSK	26815	25RB#0	4.4867	4.970	PASS
Band26(824-849)	5MHz	16QAM	26815	25RB#0	4.4876	4.968	PASS
Band26(824-849)	5MHz	QPSK	26915	25RB#0	4.4819	4.933	PASS
Band26(824-849)	5MHz	16QAM	26915	25RB#0	4.4726	4.968	PASS
Band26(824-849)	5MHz	QPSK	27015	25RB#0	4.4850	4.896	PASS
Band26(824-849)	5MHz	16QAM	27015	25RB#0	4.4743	4.987	PASS
Band26(824-849)	10MHz	QPSK	26840	50RB#0	8.9645	9.804	PASS
Band26(824-849)	10MHz	16QAM	26840	50RB#0	8.9536	9.823	PASS
Band26(824-849)	10MHz	QPSK	26915	50RB#0	8.9656	9.767	PASS
Band26(824-849)	10MHz	16QAM	26915	50RB#0	8.9372	9.801	PASS
Band26(824-849)	10MHz	QPSK	26990	50RB#0	8.9499	9.845	PASS
Band26(824-849)	10MHz	16QAM	26990	50RB#0	8.9386	9.731	PASS
Band26(824-849)	15MHz	QPSK	26865	75RB#0	13.456	14.71	PASS
Band26(824-849)	15MHz	16QAM	26865	75RB#0	13.445	14.71	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	13.428	14.64	PASS
Band26(824-849)	15MHz	16QAM	26915	75RB#0	13.404	14.72	PASS
Band26(824-849)	15MHz	QPSK	26965	75RB#0	13.415	14.69	PASS
Band26(824-849)	15MHz	16QAM	26965	75RB#0	13.422	14.68	PASS

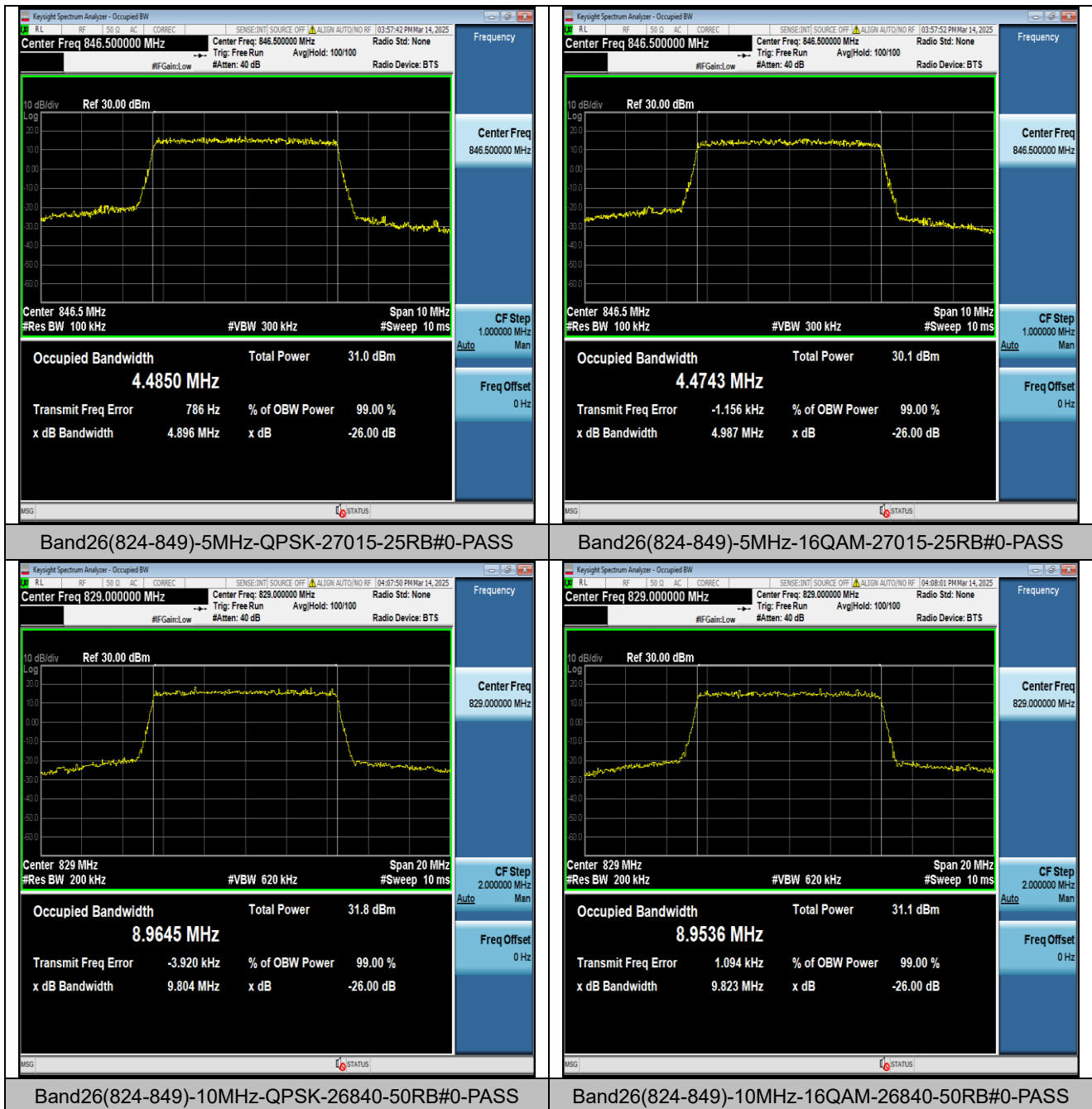
Test Graphs

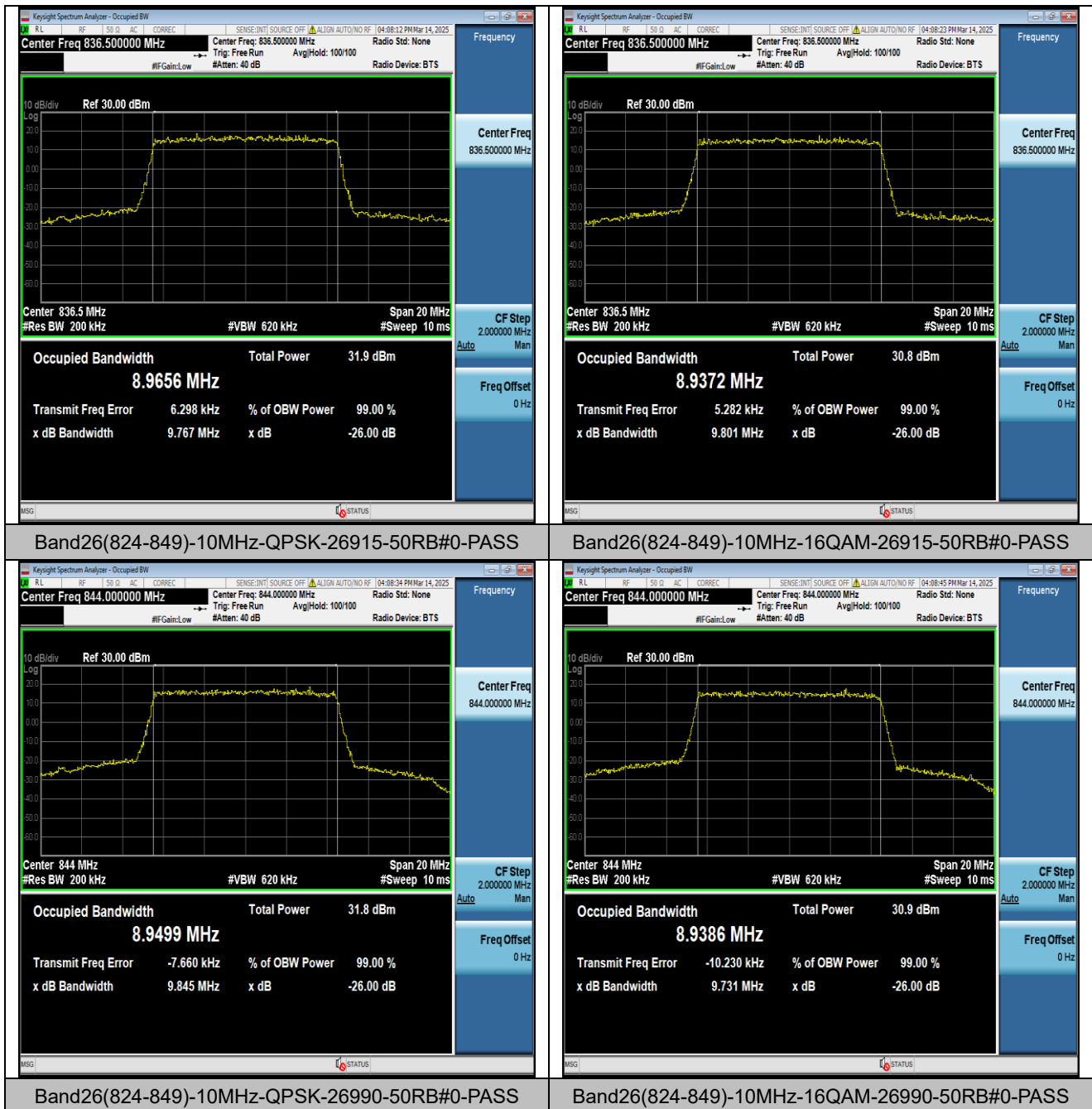


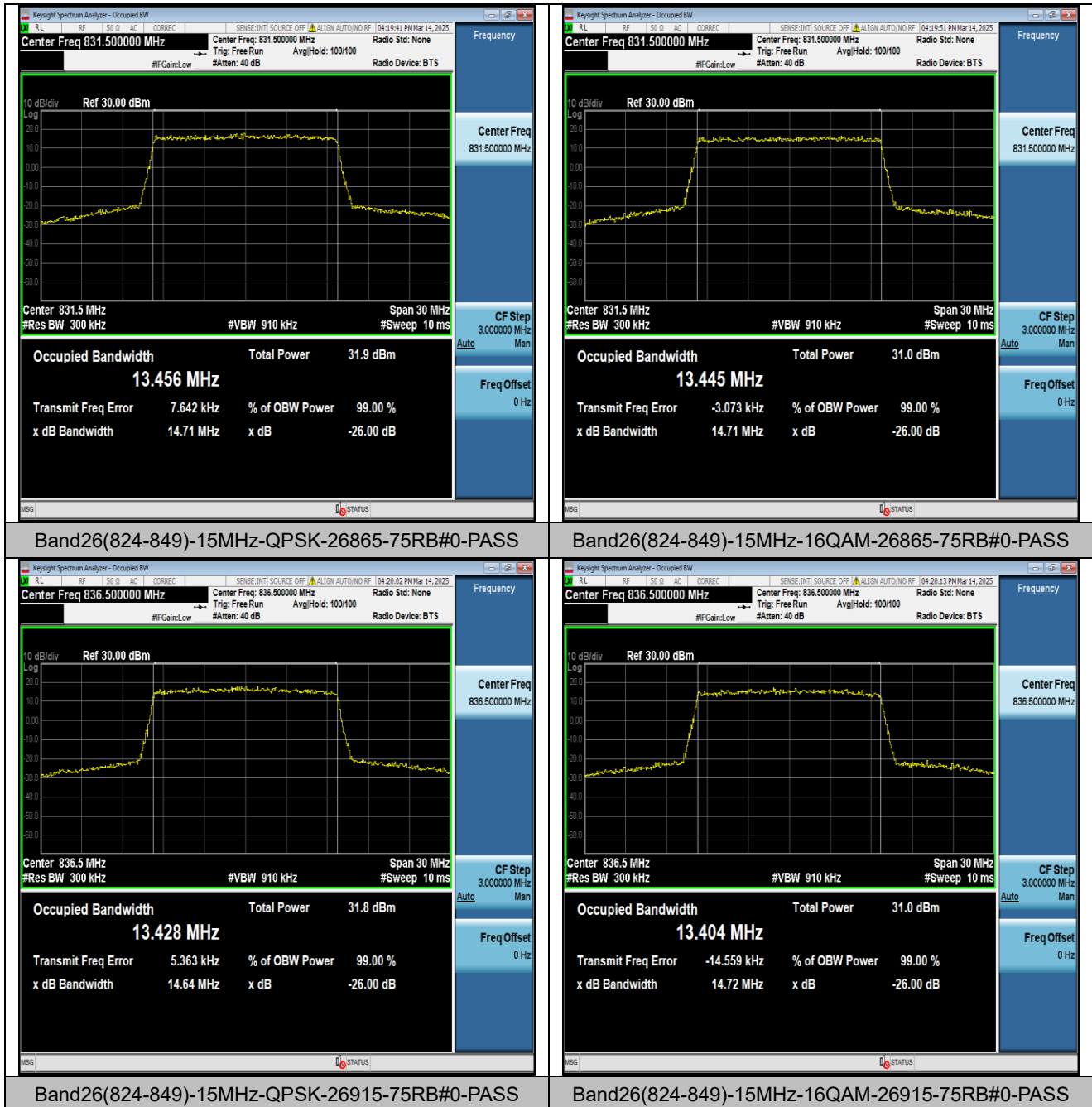


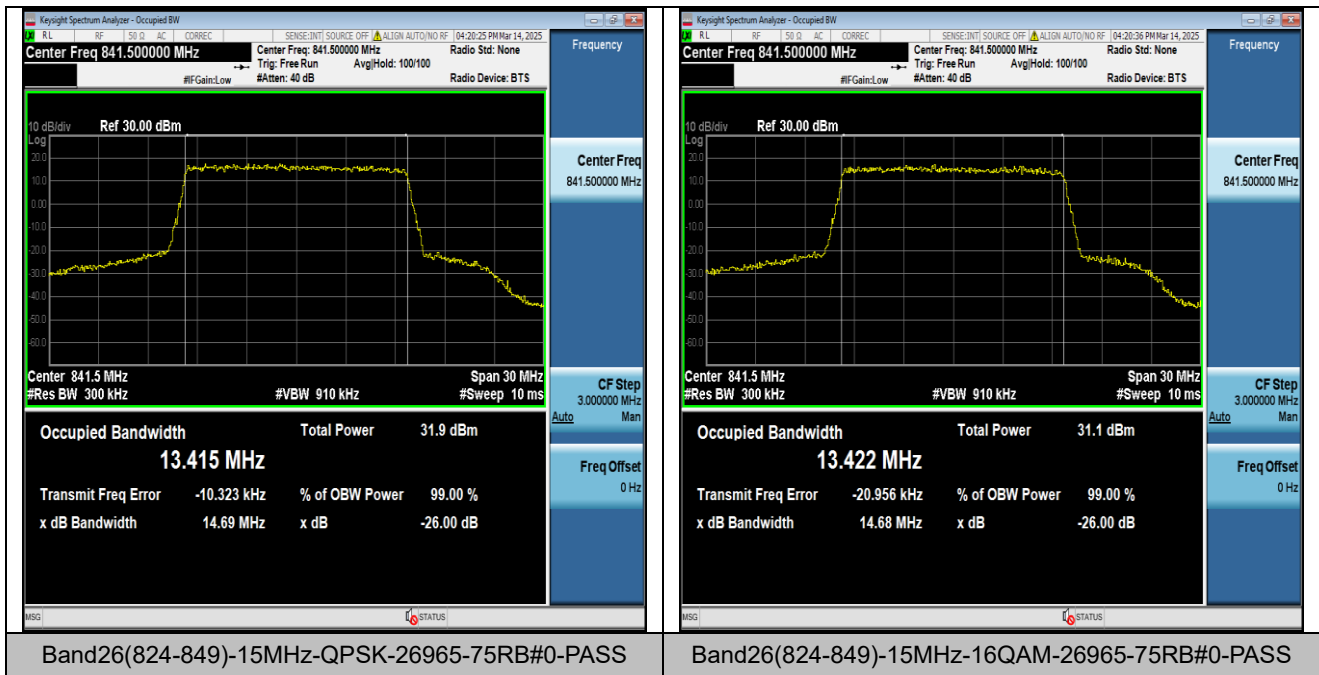






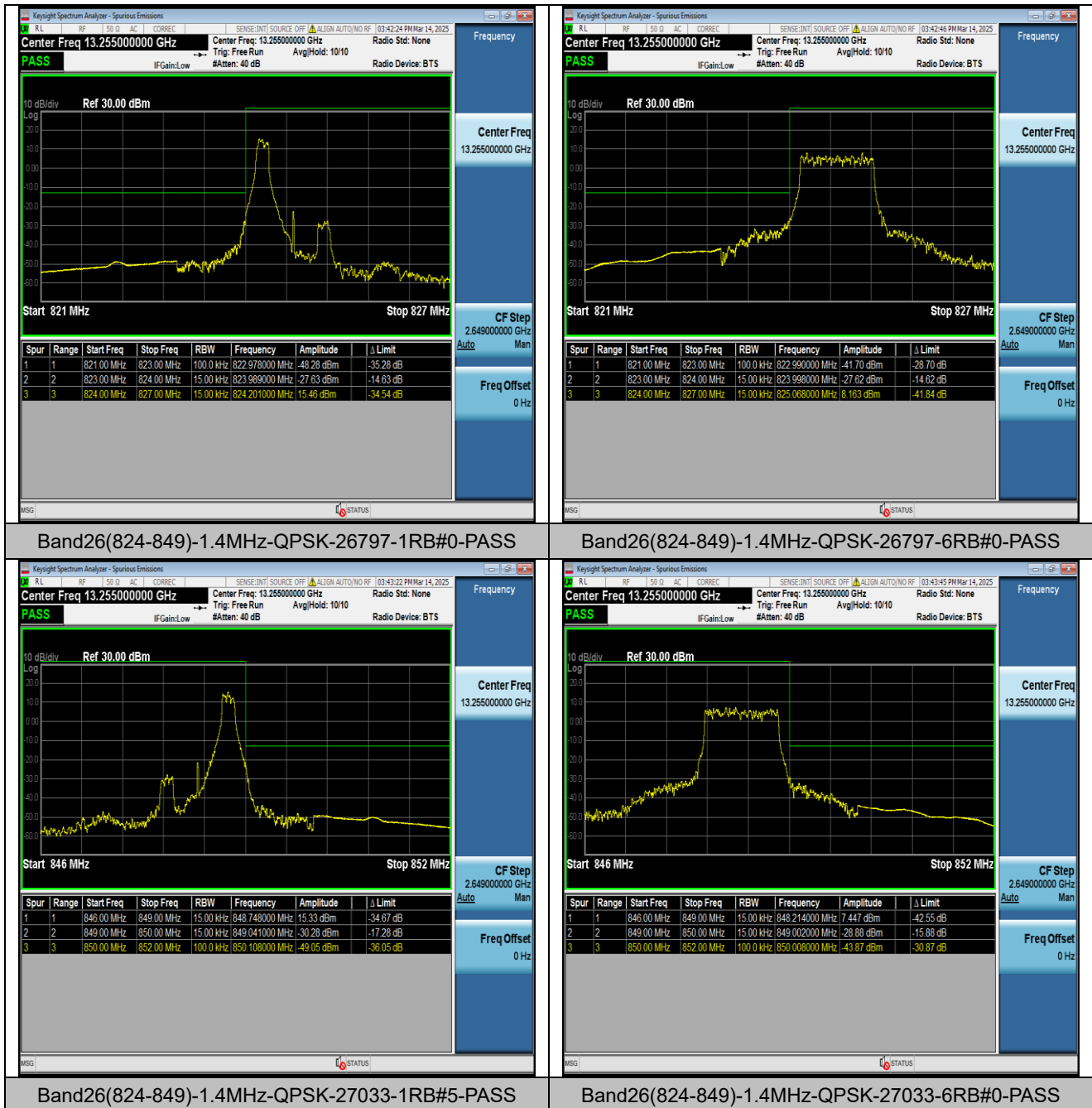


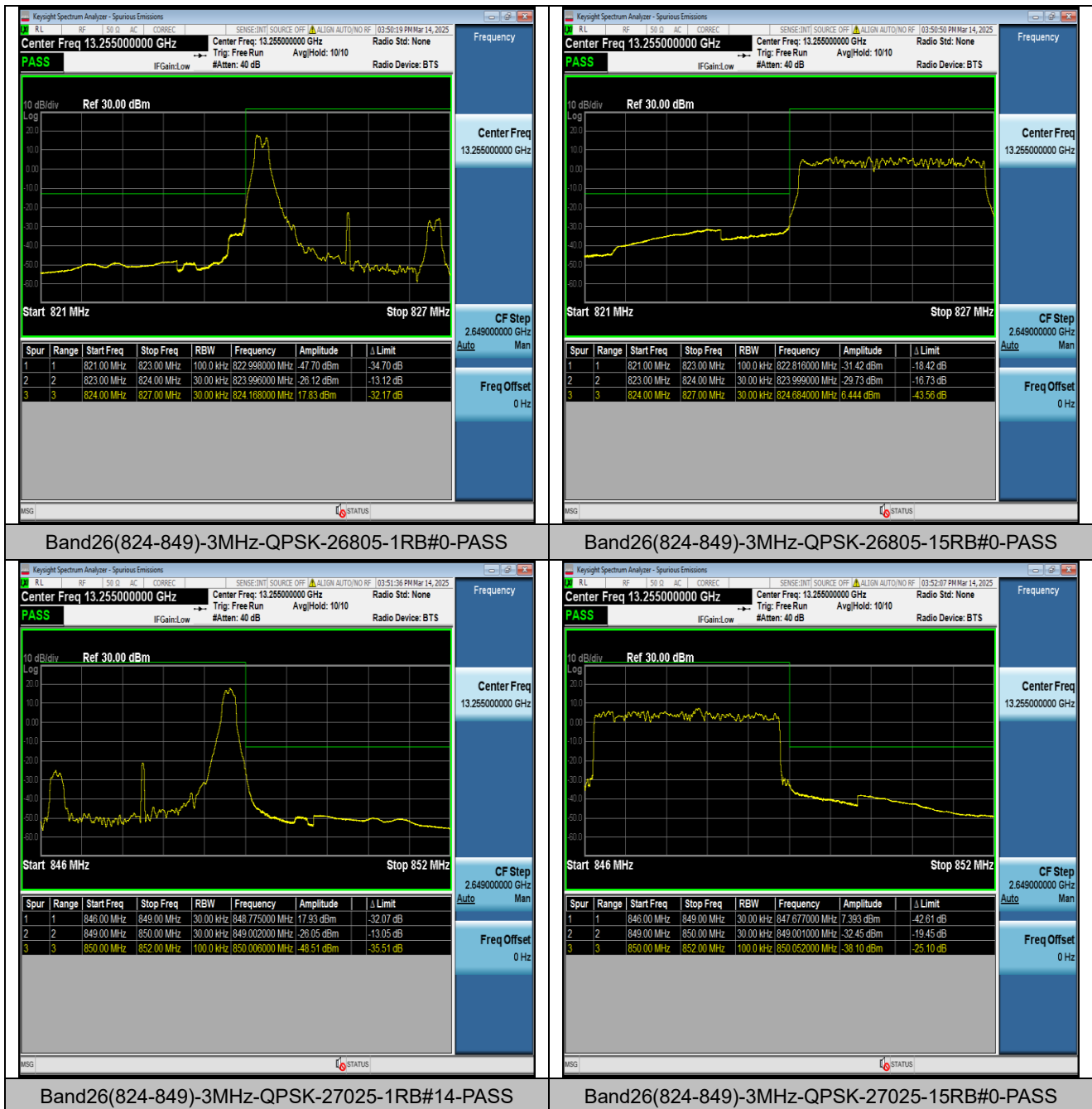


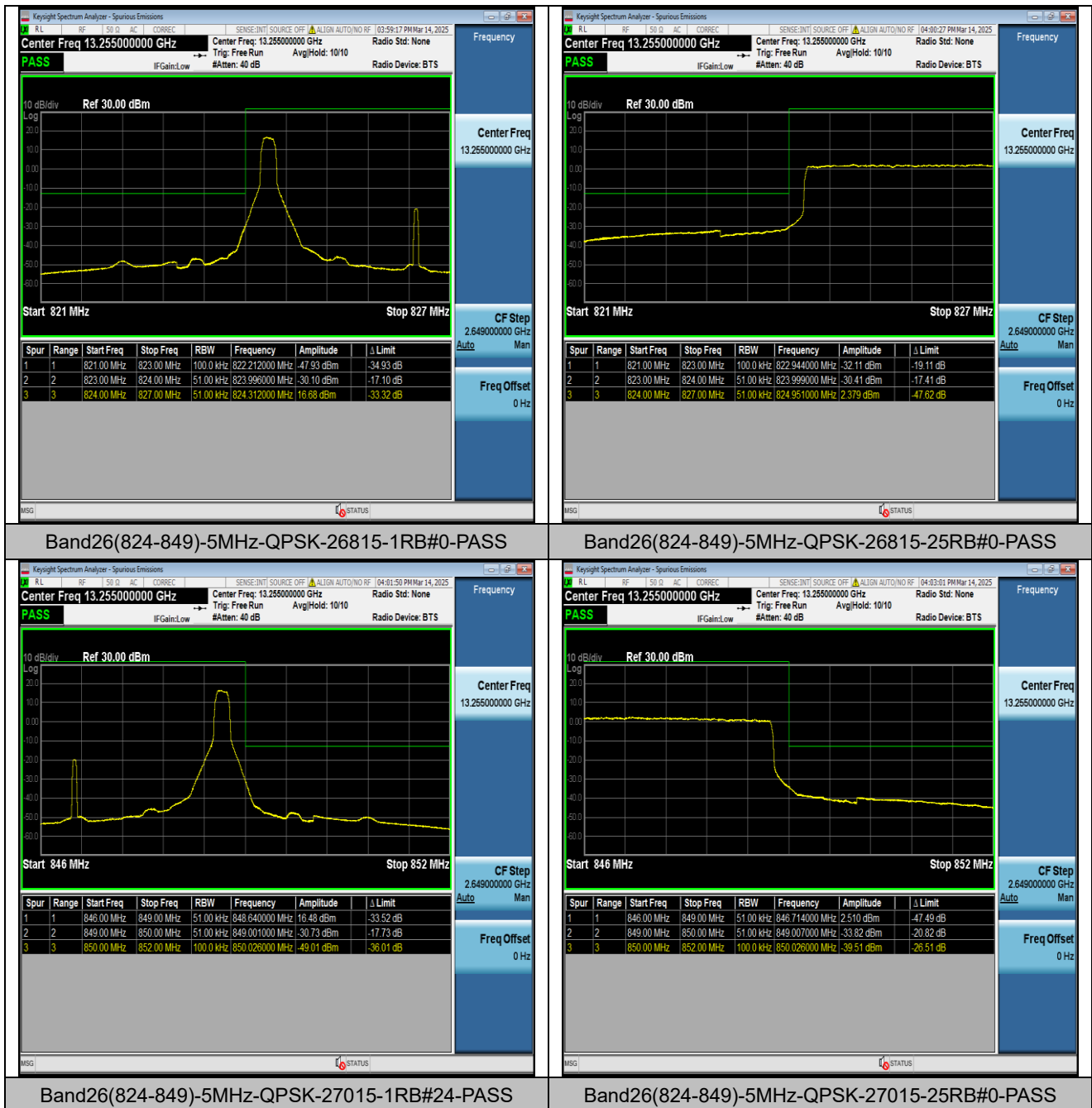


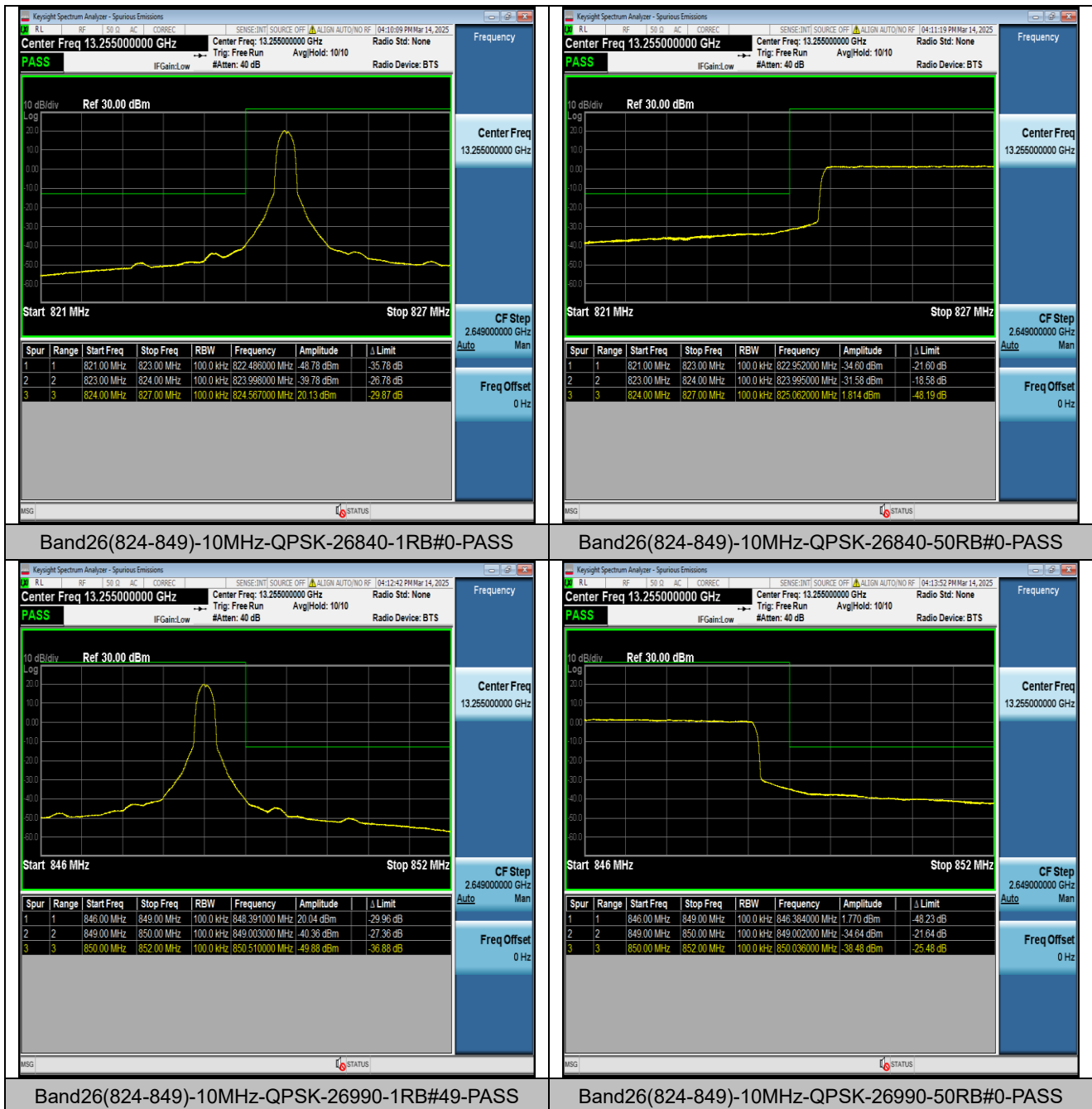
Band Edge

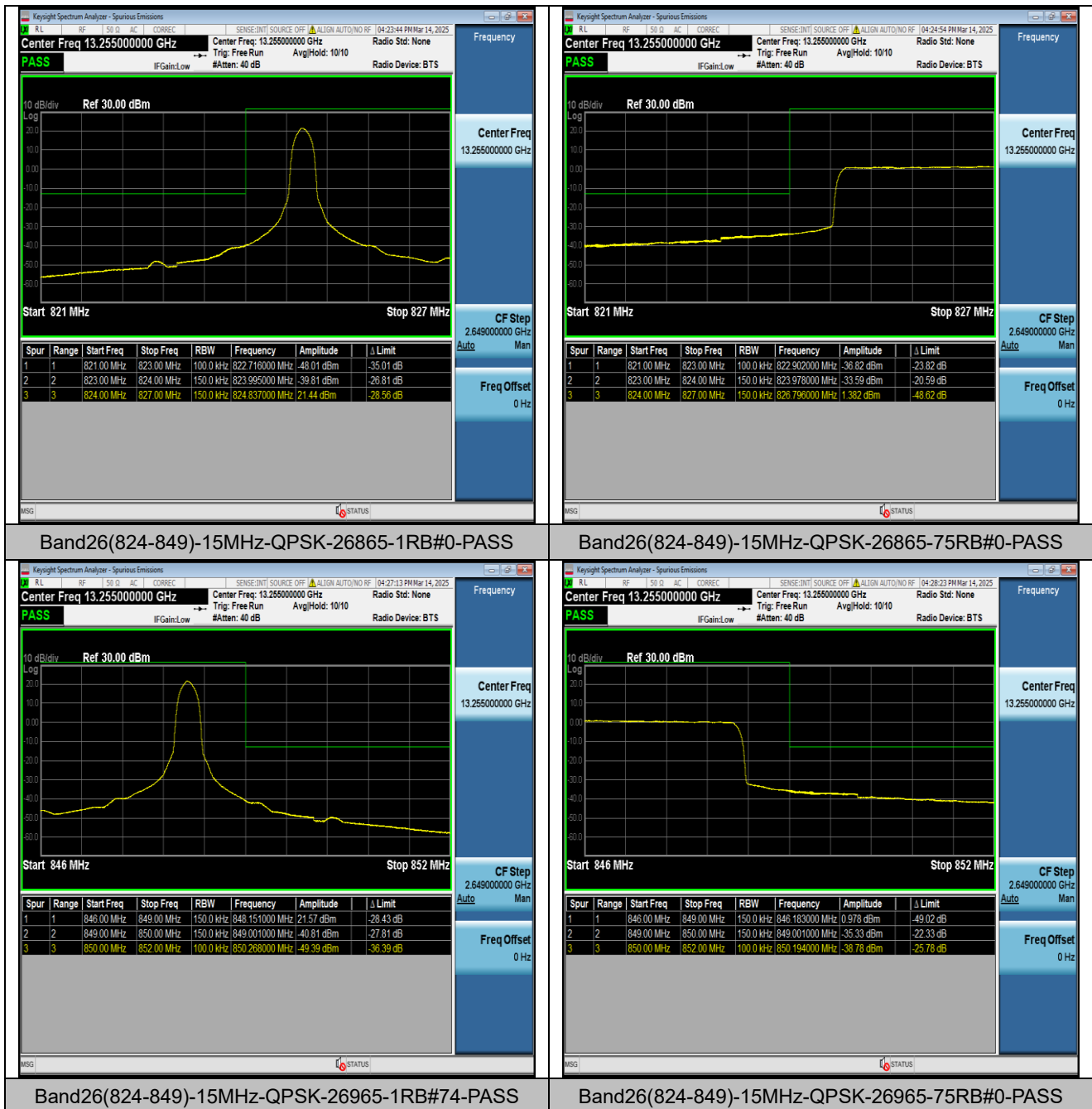
Test Graphs





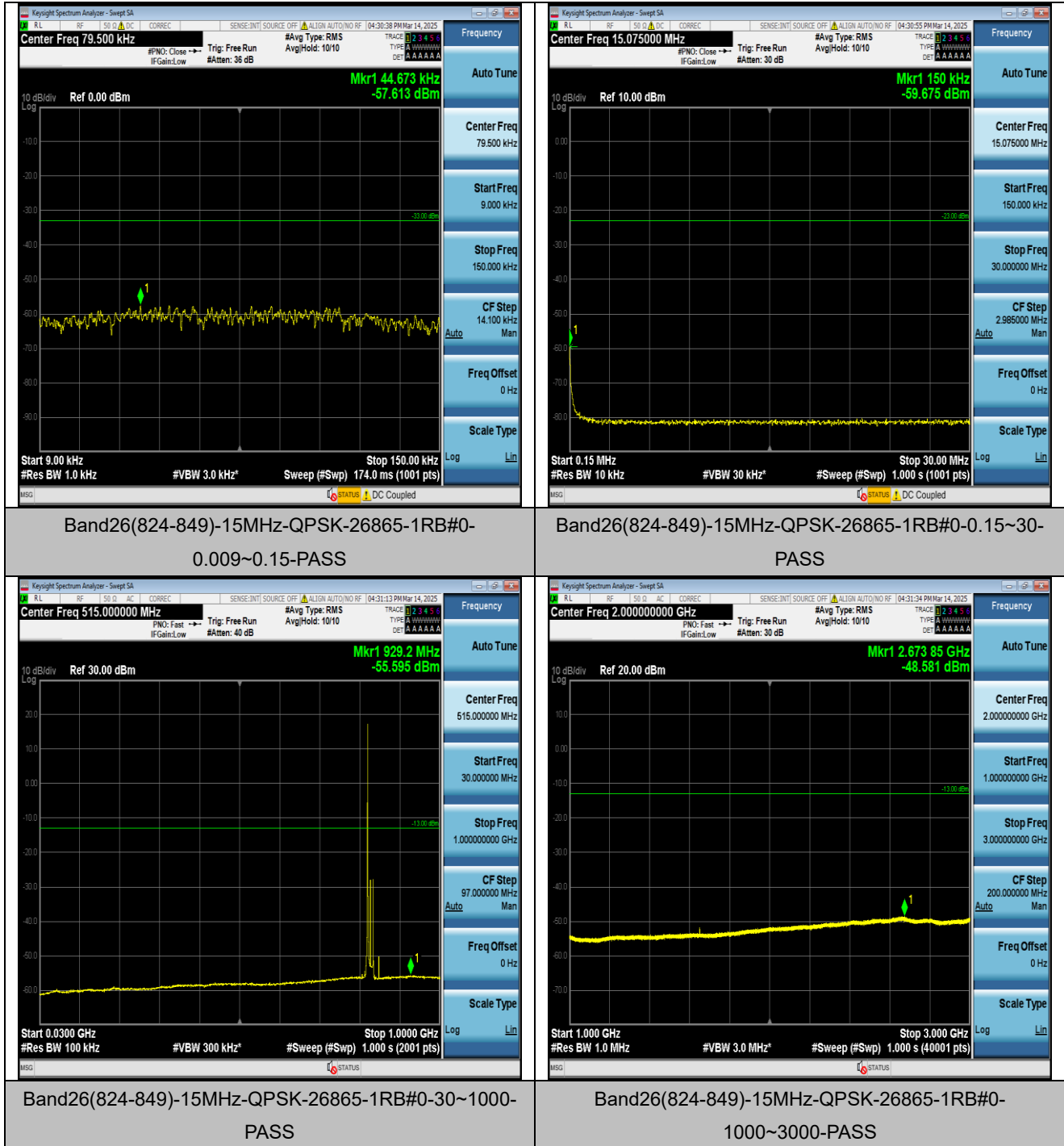


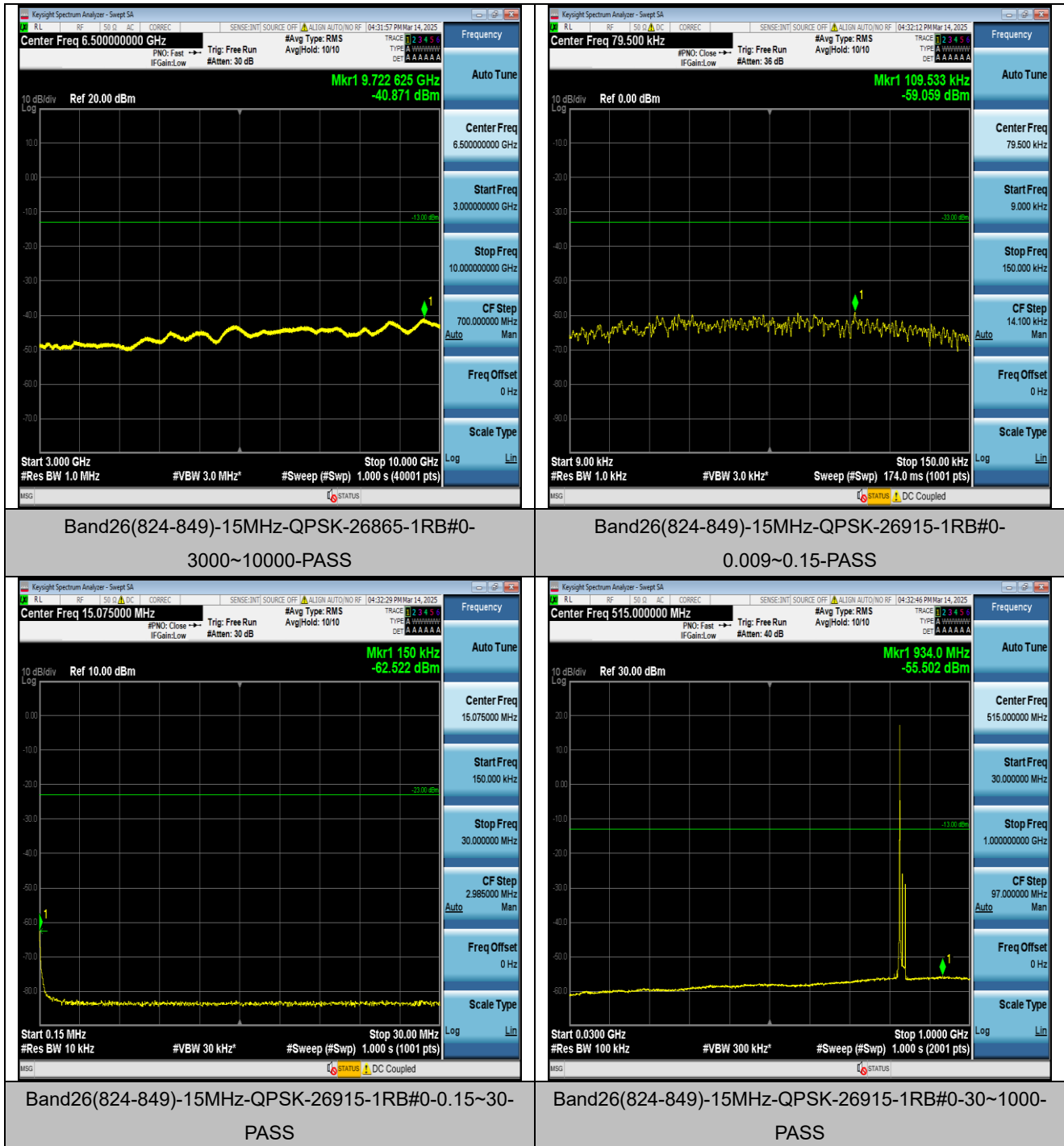


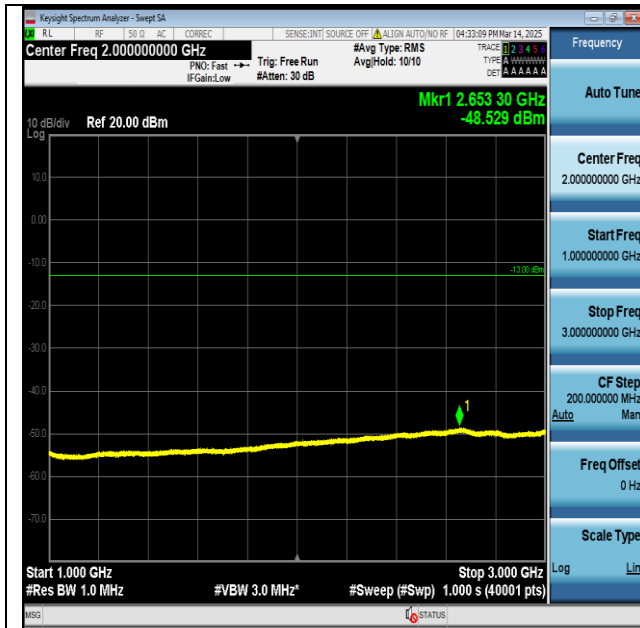


Conducted Spurious Emission

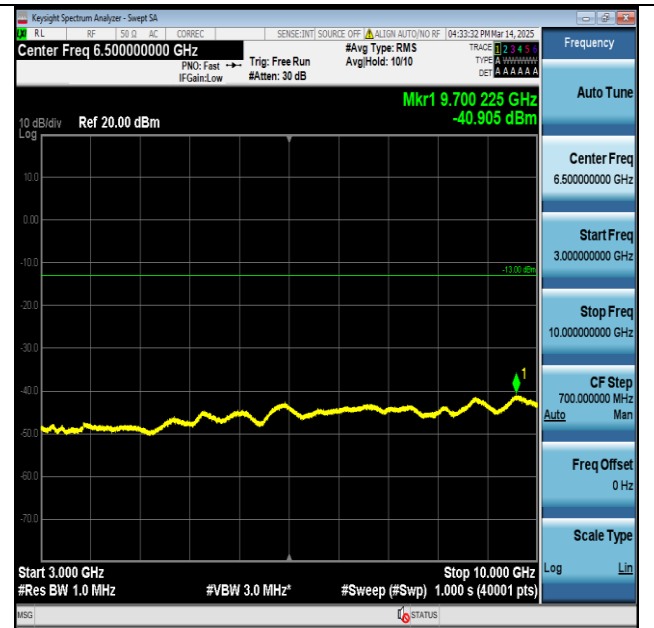
Test Graphs



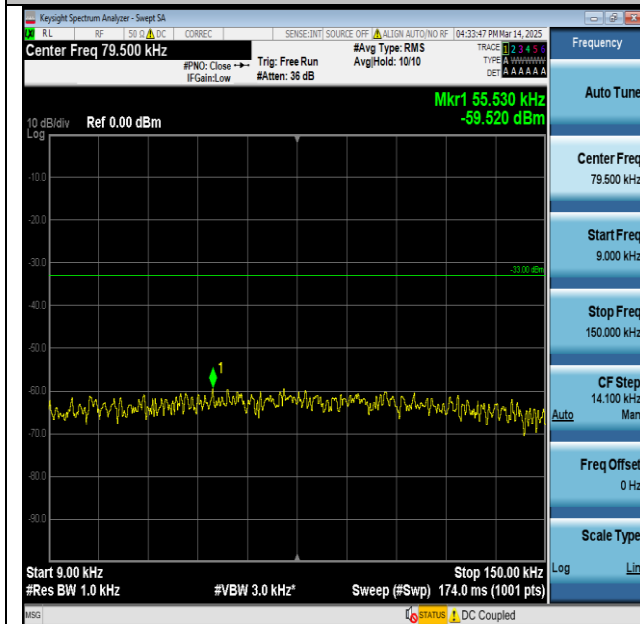




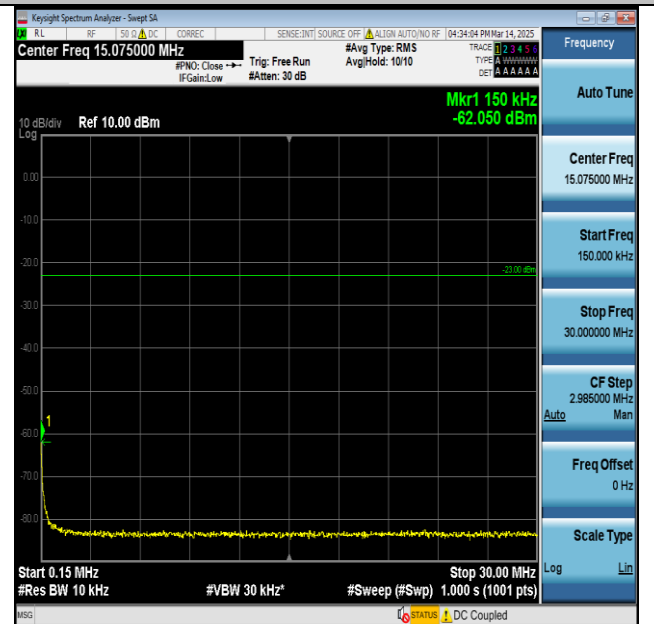
Band26(824-849)-15MHz-QPSK-26915-1RB#0-
1000~3000-PASS



Band26(824-849)-15MHz-QPSK-26915-1RB#0-
3000~10000-PASS



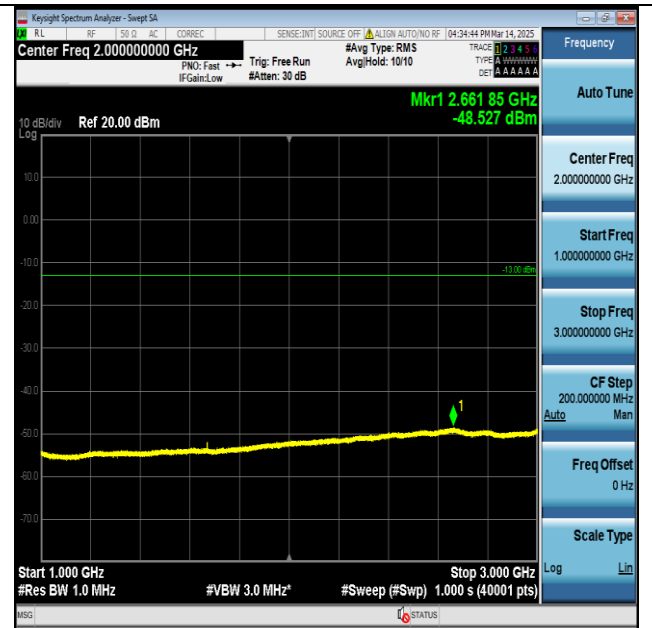
Band26(824-849)-15MHz-QPSK-26965-1RB#0-
0.009~0.15-PASS



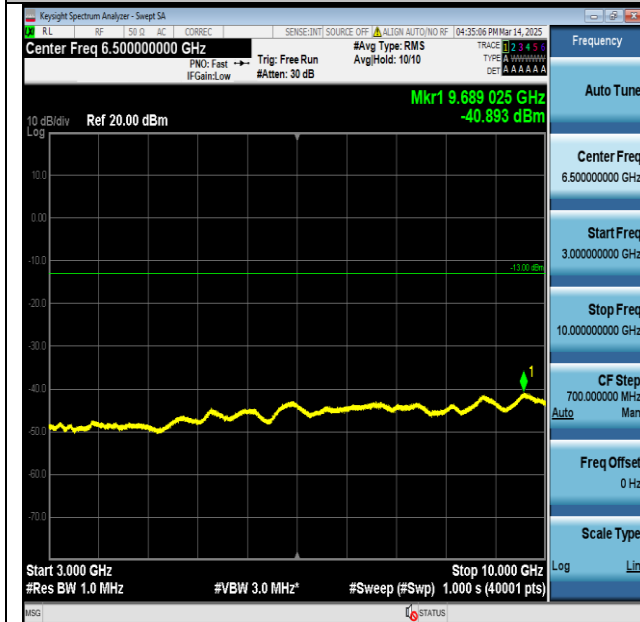
Band26(824-849)-15MHz-QPSK-26965-1RB#0-0.15~30-
PASS



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	0.70	0.000837	±2.5	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	VL	NT	0.40	0.000478	±2.5	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	VH	NT	-0.70	-0.000837	±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	-1.10	-0.001315	±2.5	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	NV	-20	0.90	0.001076	±2.5	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	NV	-10	0.70	0.000837	±2.5	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	NV	0	0.60	0.000717	±2.5	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	NV	10	0.80	0.000956	±2.5	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	NV	20	0.90	0.001076	±2.5	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	NV	30	-0.50	-0.000598	±2.5	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	NV	40	-0.90	-0.001076	±2.5	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	NV	50	-1.80	-0.002152	±2.5	PASS

~The End~