

Appendix-A LTE Band 25

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band25	1.4MHz	QPSK	26047	1RB#0	24.2	26	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	24.11	25.91	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	24.21	26.01	33.00	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	23.28	25.08	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	23.01	24.81	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	23	24.8	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	22.73	24.53	33.00	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	22.32	24.12	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	24.07	25.87	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	24.15	25.95	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	24.07	25.87	33.00	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	23.33	25.13	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	23.1	24.9	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	23.1	24.9	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	23.15	24.95	33.00	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	22.21	24.01	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	24.27	26.07	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	24.27	26.07	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	24.39	26.19	33.00	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	23.37	25.17	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	23.49	25.29	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	23.6	25.4	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	23.31	25.11	33.00	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	22.2	24	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#0	24.1	25.9	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#8	24.07	25.87	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#14	23.92	25.72	33.00	PASS
Band25	3MHz	QPSK	26055	15RB#0	23.27	25.07	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#0	22.46	24.26	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#8	23.04	24.84	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#14	22.67	24.47	33.00	PASS
Band25	3MHz	16QAM	26055	15RB#0	22.28	24.08	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#0	23.94	25.74	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#8	24.12	25.92	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#14	23.96	25.76	33.00	PASS
Band25	3MHz	QPSK	26365	15RB#0	23.32	25.12	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#0	23.13	24.93	33.00	PASS

Band25	3MHz	16QAM	26365	1RB#8	23.34	25.14	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#14	23.16	24.96	33.00	PASS
Band25	3MHz	16QAM	26365	15RB#0	22.27	24.07	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#0	24.31	26.11	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#8	24.48	26.28	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#14	24.34	26.14	33.00	PASS
Band25	3MHz	QPSK	26675	15RB#0	23.48	25.28	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#0	23.54	25.34	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#8	22.9	24.7	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#14	23.07	24.87	33.00	PASS
Band25	3MHz	16QAM	26675	15RB#0	22.51	24.31	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#0	24.05	25.85	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#12	24.13	25.93	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#24	24.16	25.96	33.00	PASS
Band25	5MHz	QPSK	26065	25RB#0	23.21	25.01	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#0	22.93	24.73	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#12	22.66	24.46	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#24	23.01	24.81	33.00	PASS
Band25	5MHz	16QAM	26065	25RB#0	22.22	24.02	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#0	24.15	25.95	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#12	24.28	26.08	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#24	24.01	25.81	33.00	PASS
Band25	5MHz	QPSK	26365	25RB#0	23.2	25	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#0	23.2	25	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#12	23.06	24.86	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#24	23.06	24.86	33.00	PASS
Band25	5MHz	16QAM	26365	25RB#0	22.42	24.22	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#0	24.34	26.14	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#12	24.79	26.59	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#24	24.38	26.18	33.00	PASS
Band25	5MHz	QPSK	26665	25RB#0	23.5	25.3	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#0	23.52	25.32	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#12	23.65	25.45	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#24	23.64	25.44	33.00	PASS
Band25	5MHz	16QAM	26665	25RB#0	22.61	24.41	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#0	24.17	25.97	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#24	24.2	26	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#49	24.19	25.99	33.00	PASS
Band25	10MHz	QPSK	26090	50RB#0	23.24	25.04	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#0	23.08	24.88	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#24	23.15	24.95	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#49	22.77	24.57	33.00	PASS
Band25	10MHz	16QAM	26090	50RB#0	22.11	23.91	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#0	24.33	26.13	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#24	24.45	26.25	33.00	PASS

Band25	10MHz	QPSK	26365	1RB#49	24.16	25.96	33.00	PASS
Band25	10MHz	QPSK	26365	50RB#0	23.28	25.08	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#0	23.18	24.98	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#24	23.65	25.45	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#49	22.9	24.7	33.00	PASS
Band25	10MHz	16QAM	26365	50RB#0	22.25	24.05	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#0	24.36	26.16	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#24	24.69	26.49	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#49	24.81	26.61	33.00	PASS
Band25	10MHz	QPSK	26640	50RB#0	23.51	25.31	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#0	23.27	25.07	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#24	24.16	25.96	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#49	23.59	25.39	33.00	PASS
Band25	10MHz	16QAM	26640	50RB#0	22.37	24.17	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#0	24.26	26.06	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#38	24.05	25.85	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#74	24.24	26.04	33.00	PASS
Band25	15MHz	QPSK	26115	75RB#0	23.23	25.03	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#0	23.16	24.96	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#38	23	24.8	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#74	23.18	24.98	33.00	PASS
Band25	15MHz	16QAM	26115	75RB#0	22.17	23.97	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#0	24.24	26.04	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#38	24.07	25.87	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#74	24.13	25.93	33.00	PASS
Band25	15MHz	QPSK	26365	75RB#0	23.22	25.02	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#0	23.06	24.86	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#38	22.69	24.49	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#74	23.11	24.91	33.00	PASS
Band25	15MHz	16QAM	26365	75RB#0	22.19	23.99	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#0	24.26	26.06	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#38	24.41	26.21	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#74	24.34	26.14	33.00	PASS
Band25	15MHz	QPSK	26615	75RB#0	23.52	25.32	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#0	23.34	25.14	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#38	23.36	25.16	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#74	23.49	25.29	33.00	PASS
Band25	15MHz	16QAM	26615	75RB#0	22.57	24.37	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#0	23.9	25.7	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#49	24.31	26.11	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#99	24.12	25.92	33.00	PASS
Band25	20MHz	QPSK	26140	100RB#0	23.16	24.96	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#0	23.01	24.81	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#49	23.04	24.84	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#99	22.96	24.76	33.00	PASS

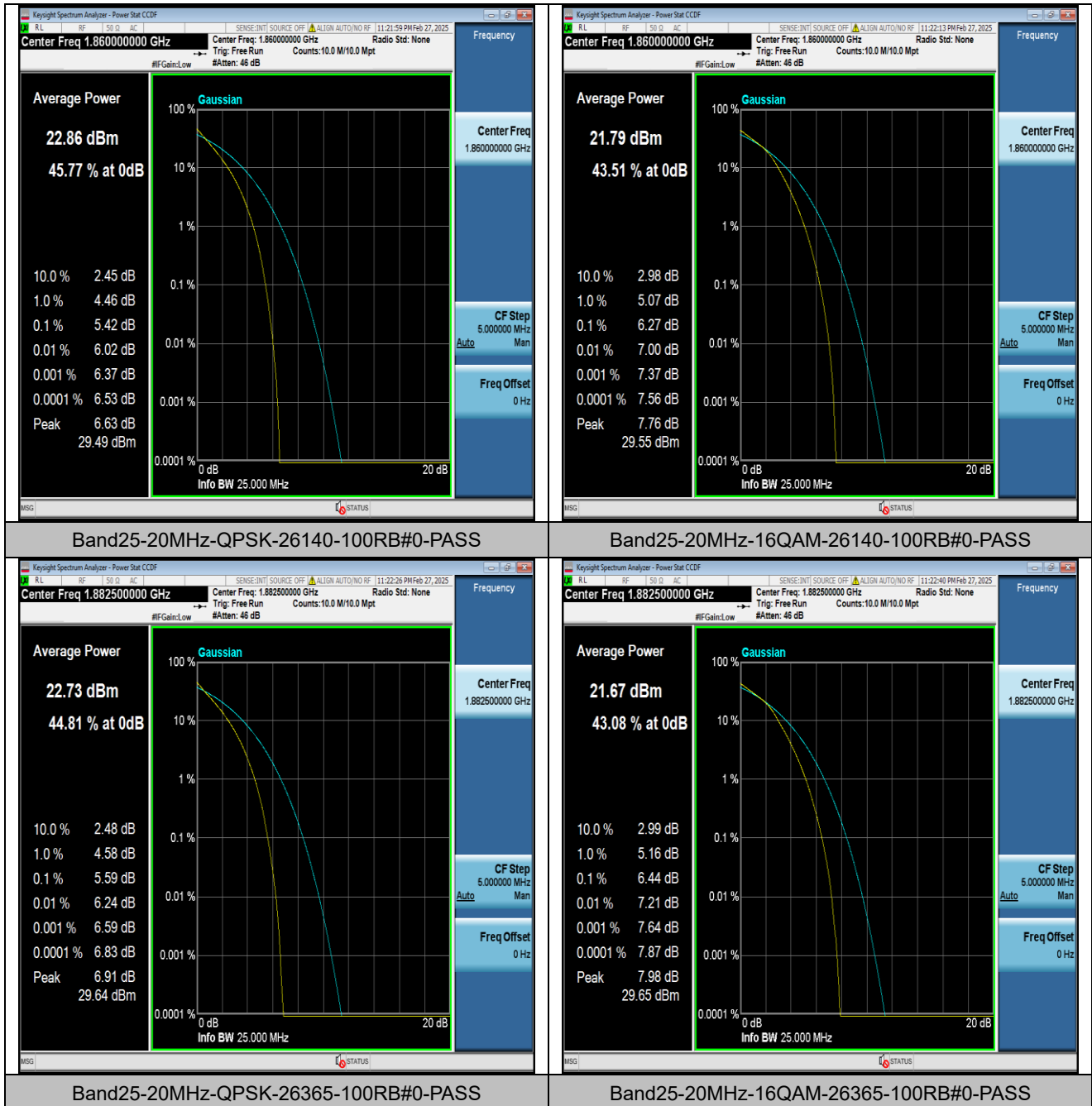
Band25	20MHz	16QAM	26140	100RB#0	22.21	24.01	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#0	24.08	25.88	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#49	24.25	26.05	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#99	24.13	25.93	33.00	PASS
Band25	20MHz	QPSK	26365	100RB#0	23.28	25.08	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#0	22.82	24.62	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#49	23.22	25.02	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#99	23.04	24.84	33.00	PASS
Band25	20MHz	16QAM	26365	100RB#0	22.32	24.12	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#0	24.07	25.87	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#49	24.54	26.34	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#99	24.28	26.08	33.00	PASS
Band25	20MHz	QPSK	26590	100RB#0	23.46	25.26	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#0	23.3	25.1	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#49	23.38	25.18	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#99	22.96	24.76	33.00	PASS
Band25	20MHz	16QAM	26590	100RB#0	22.34	24.14	33.00	PASS

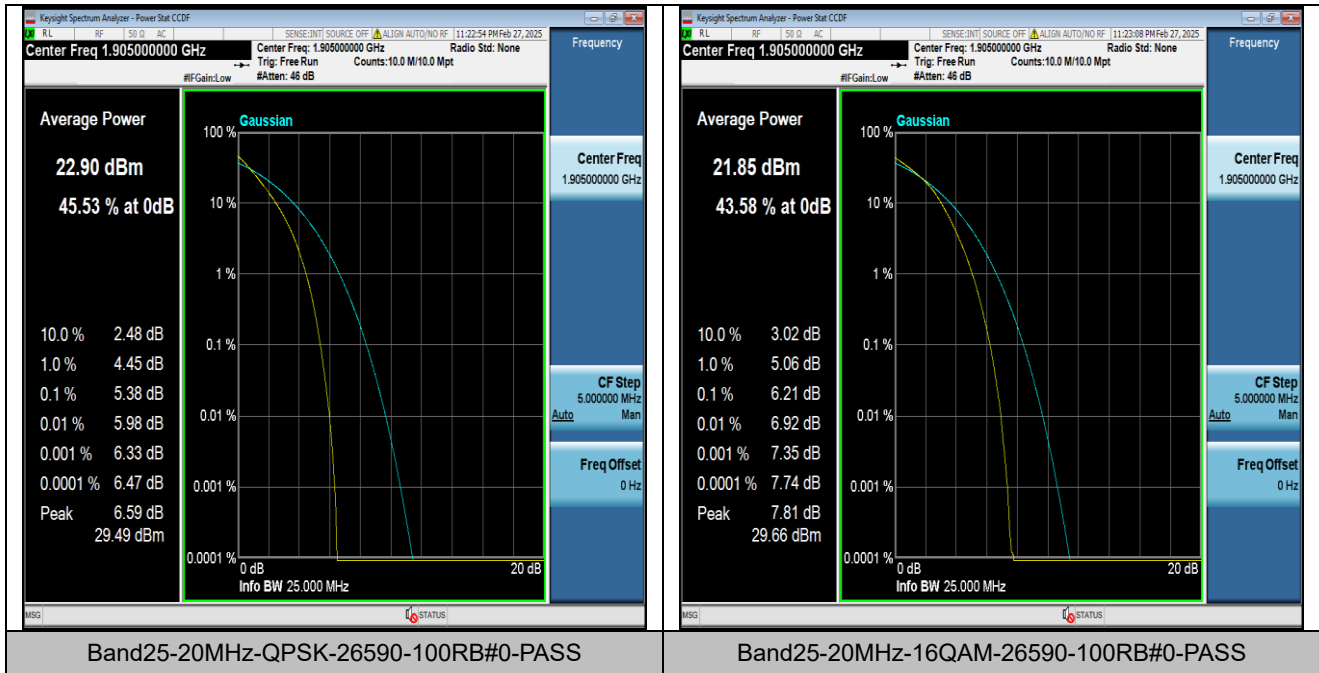
Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band25	20MHz	QPSK	26140	100RB#0	5.42	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	6.27	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	5.59	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	6.44	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	5.38	13	PASS
Band25	20MHz	16QAM	26590	100RB#0	6.21	13	PASS

Test Graphs



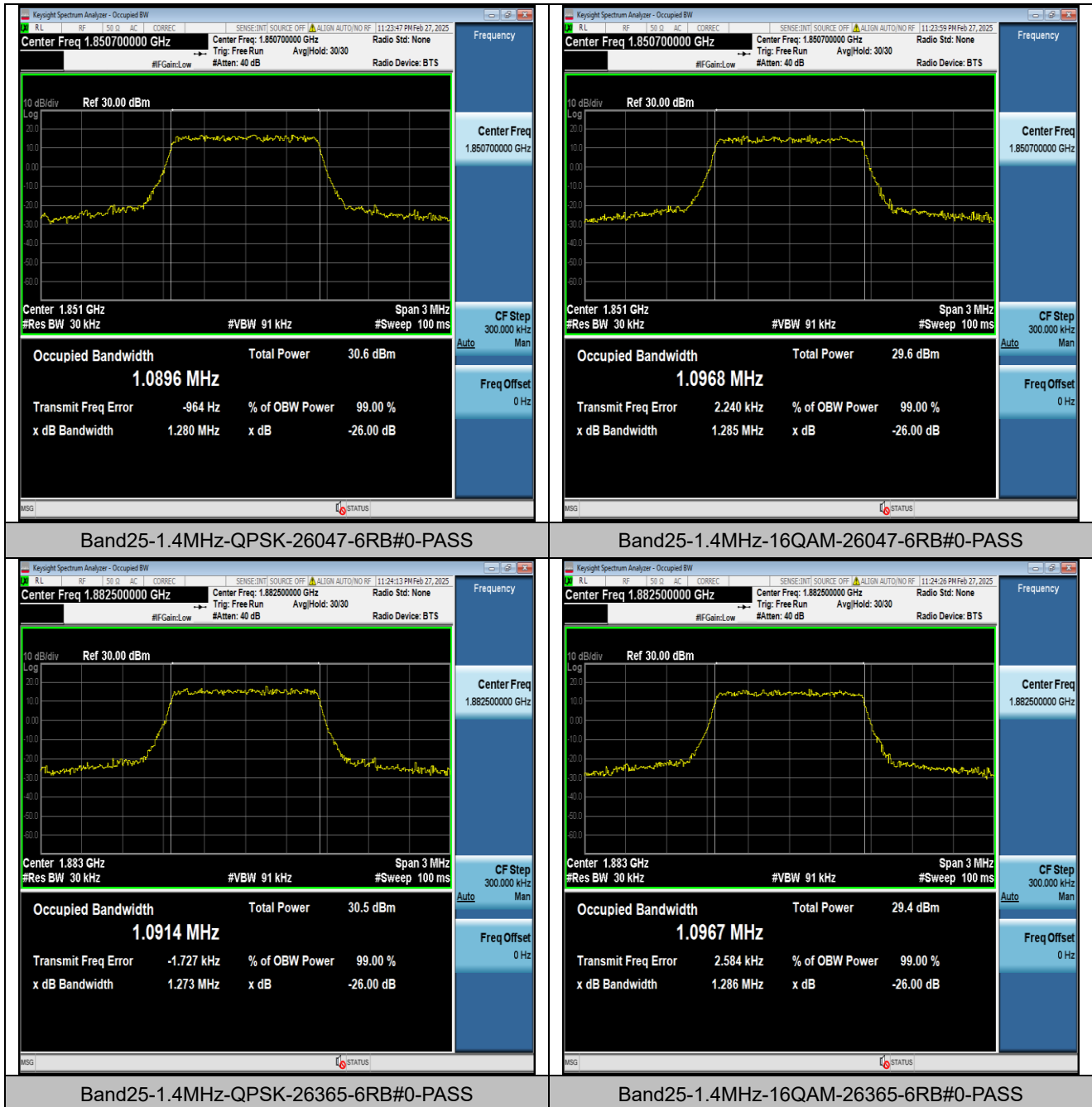


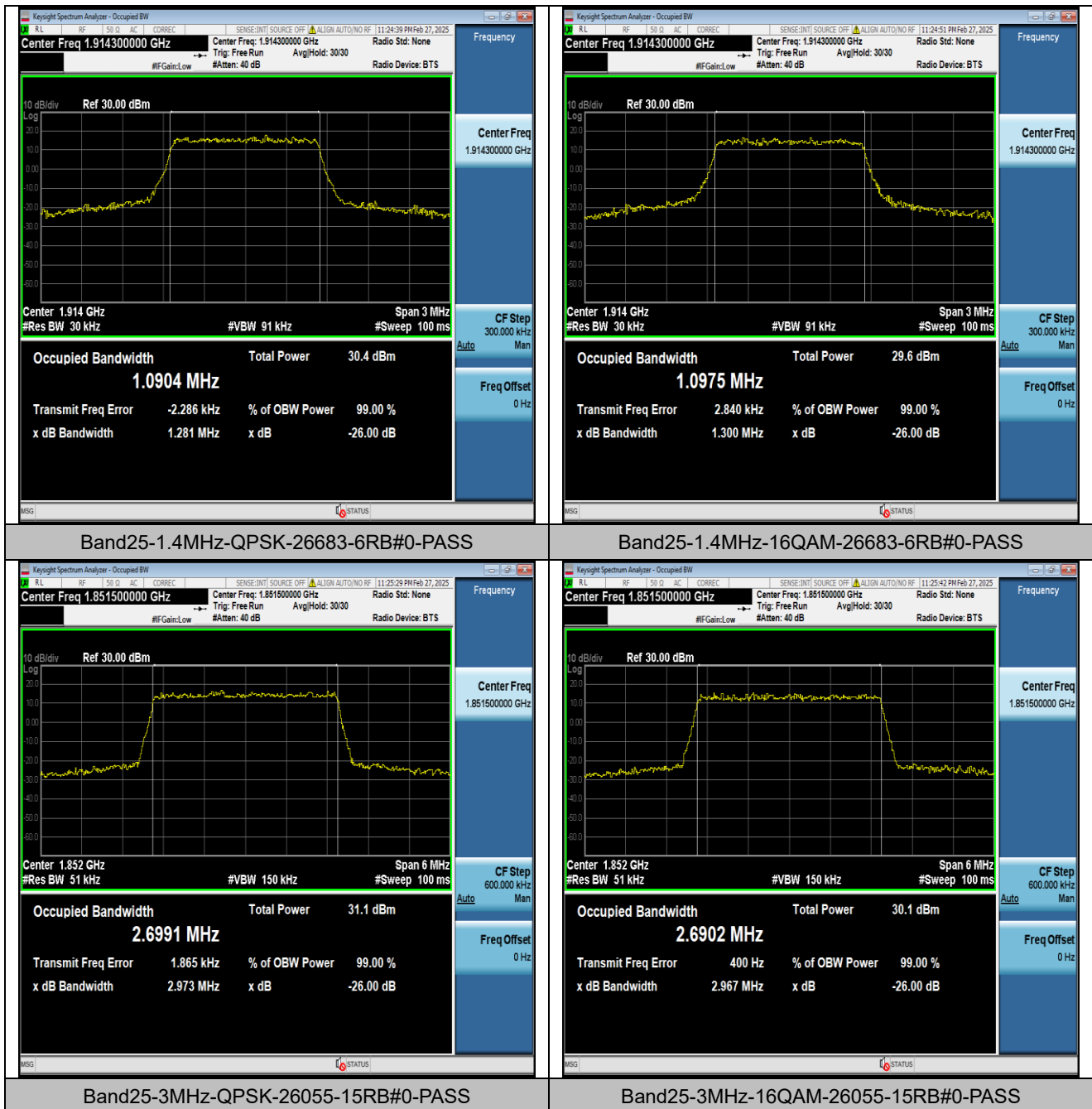
26dB Bandwidth and Occupied Bandwidth

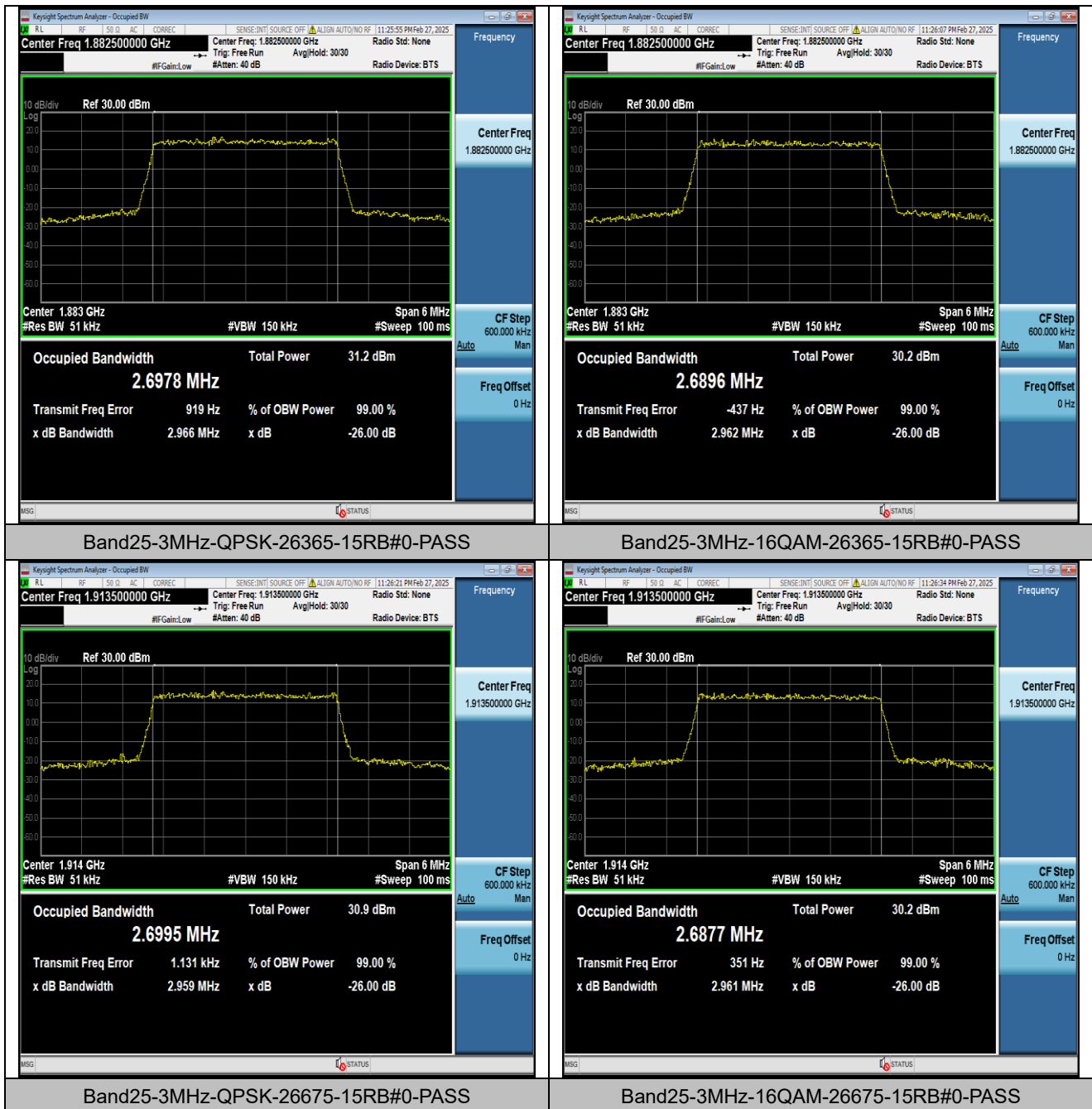
Test Result

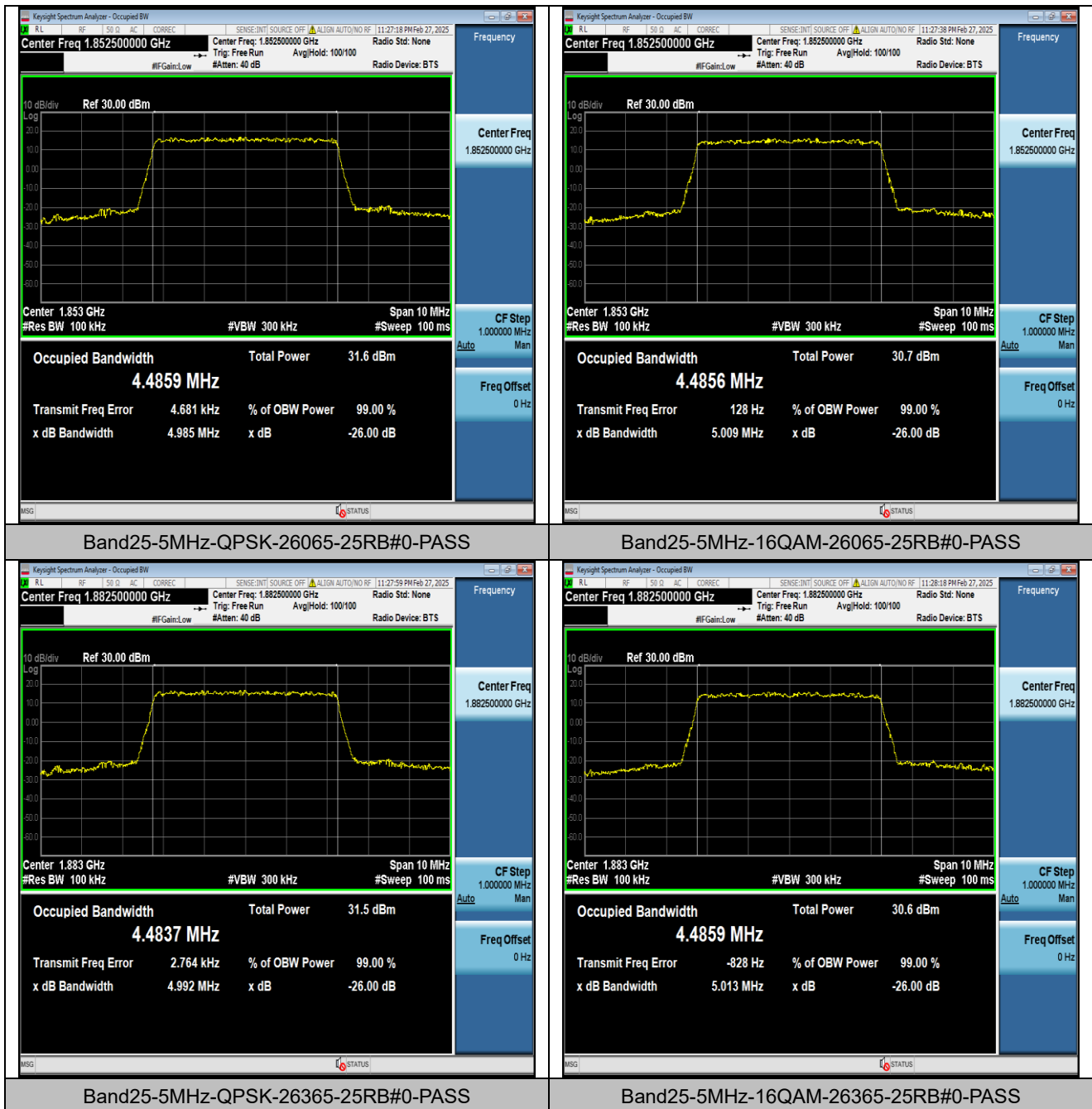
Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	1.0896	1.280	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.0968	1.285	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.0914	1.273	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.0967	1.286	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.0904	1.281	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.0975	1.300	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.6991	2.973	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.6902	2.967	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.6978	2.966	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.6896	2.962	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.6995	2.959	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.6877	2.961	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.4859	4.985	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.4856	5.009	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.4837	4.992	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.4859	5.013	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.4865	4.982	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.4896	5.027	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.9764	9.826	PASS
Band25	10MHz	16QAM	26090	50RB#0	8.9580	9.803	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.9858	9.774	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.9466	9.823	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.9783	9.861	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.9403	9.792	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.454	14.67	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.416	14.72	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.458	14.76	PASS
Band25	15MHz	16QAM	26365	75RB#0	13.439	14.70	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.458	14.73	PASS
Band25	15MHz	16QAM	26615	75RB#0	13.439	14.75	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.942	19.47	PASS
Band25	20MHz	16QAM	26140	100RB#0	17.917	19.46	PASS
Band25	20MHz	QPSK	26365	100RB#0	17.992	19.45	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.932	19.39	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.964	19.50	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.963	19.50	PASS

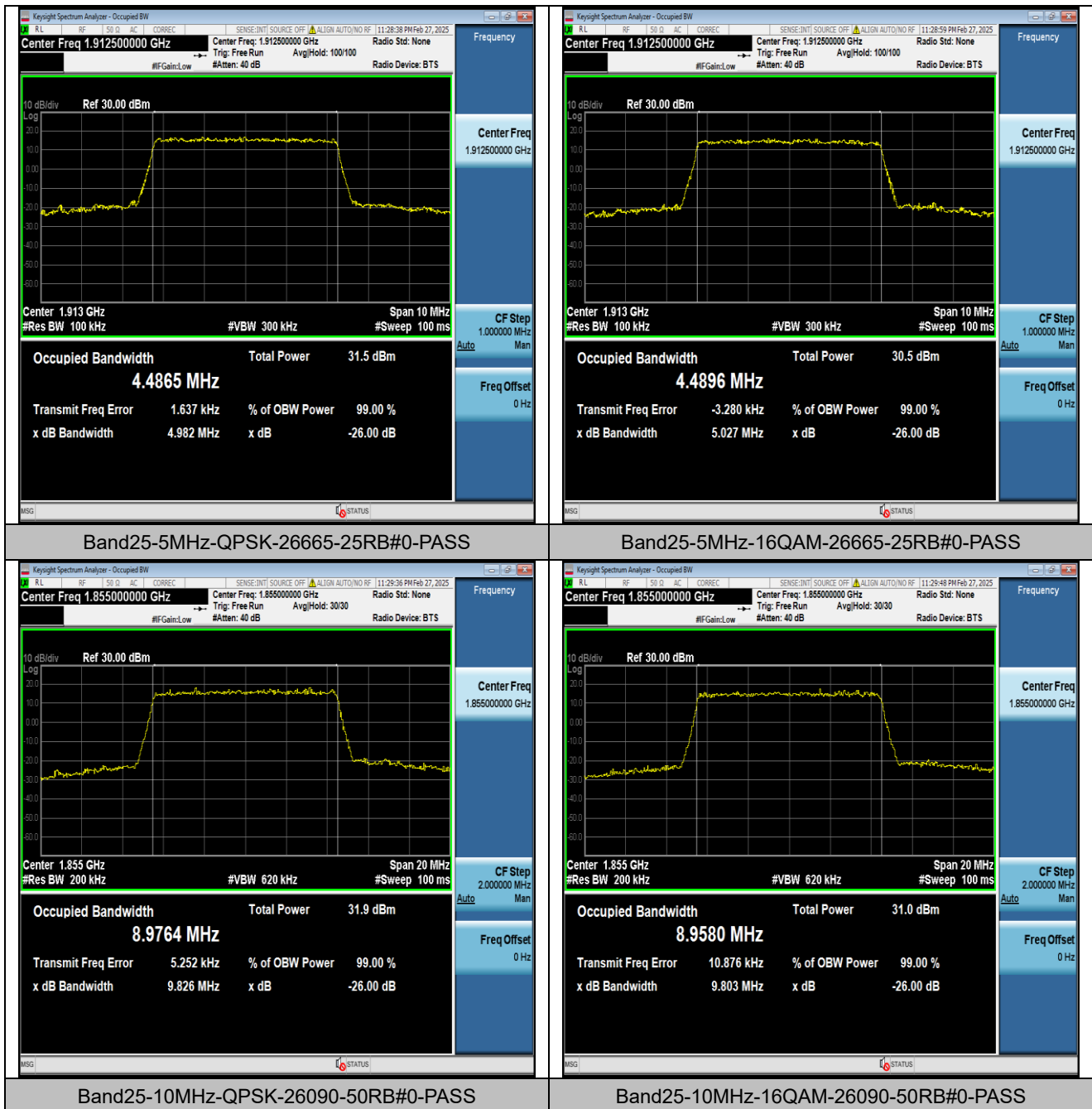
Test Graphs

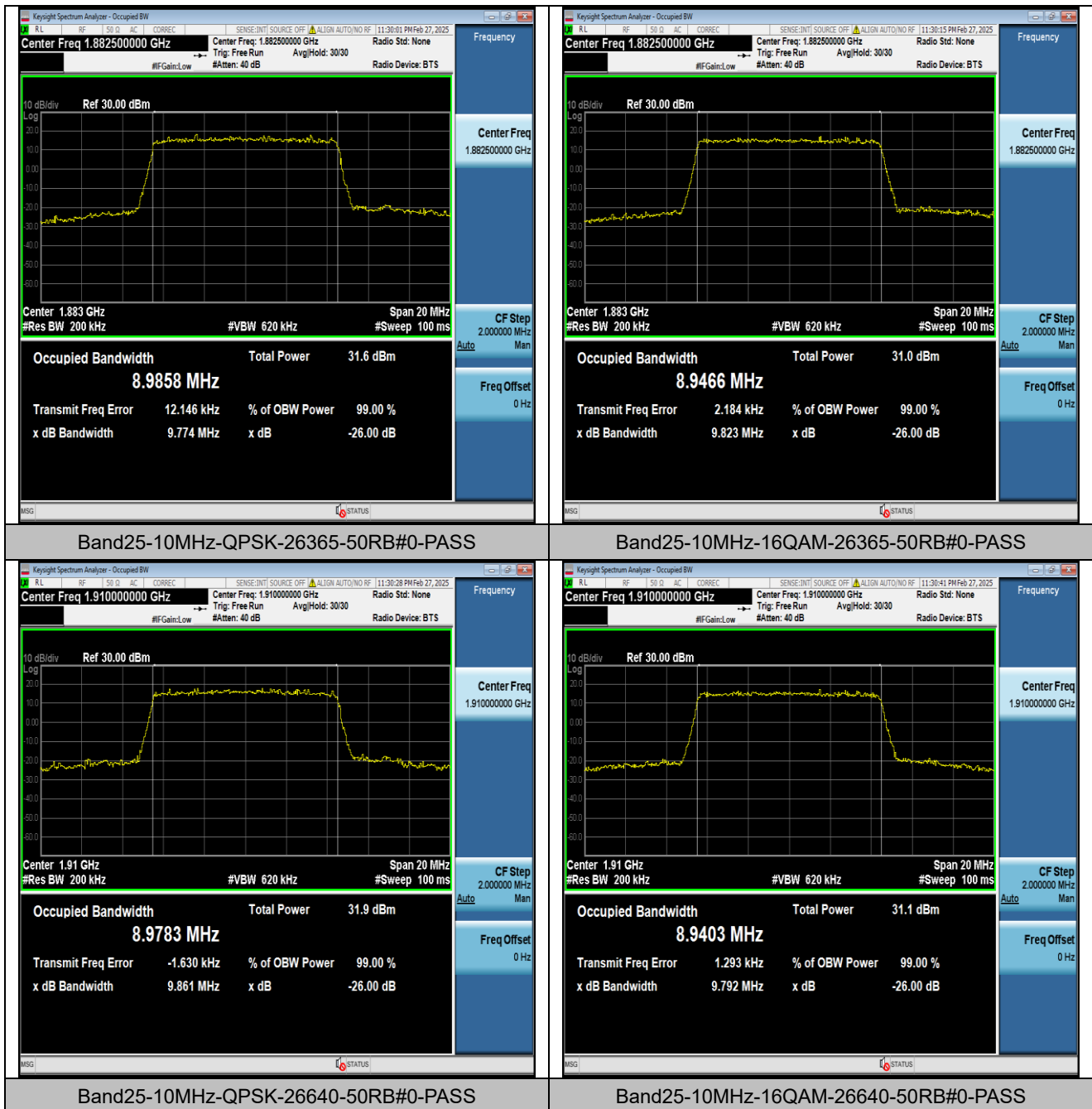


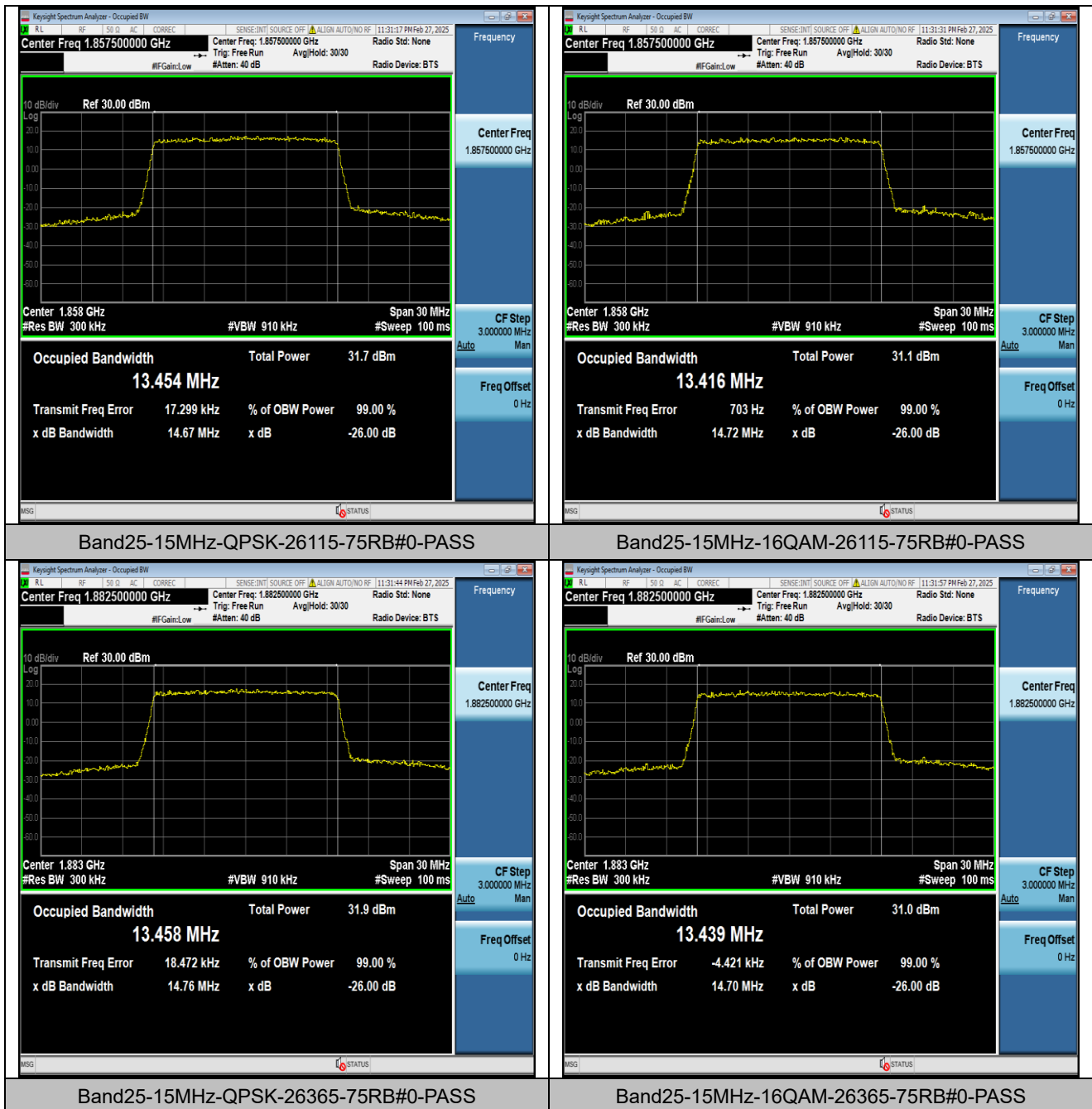


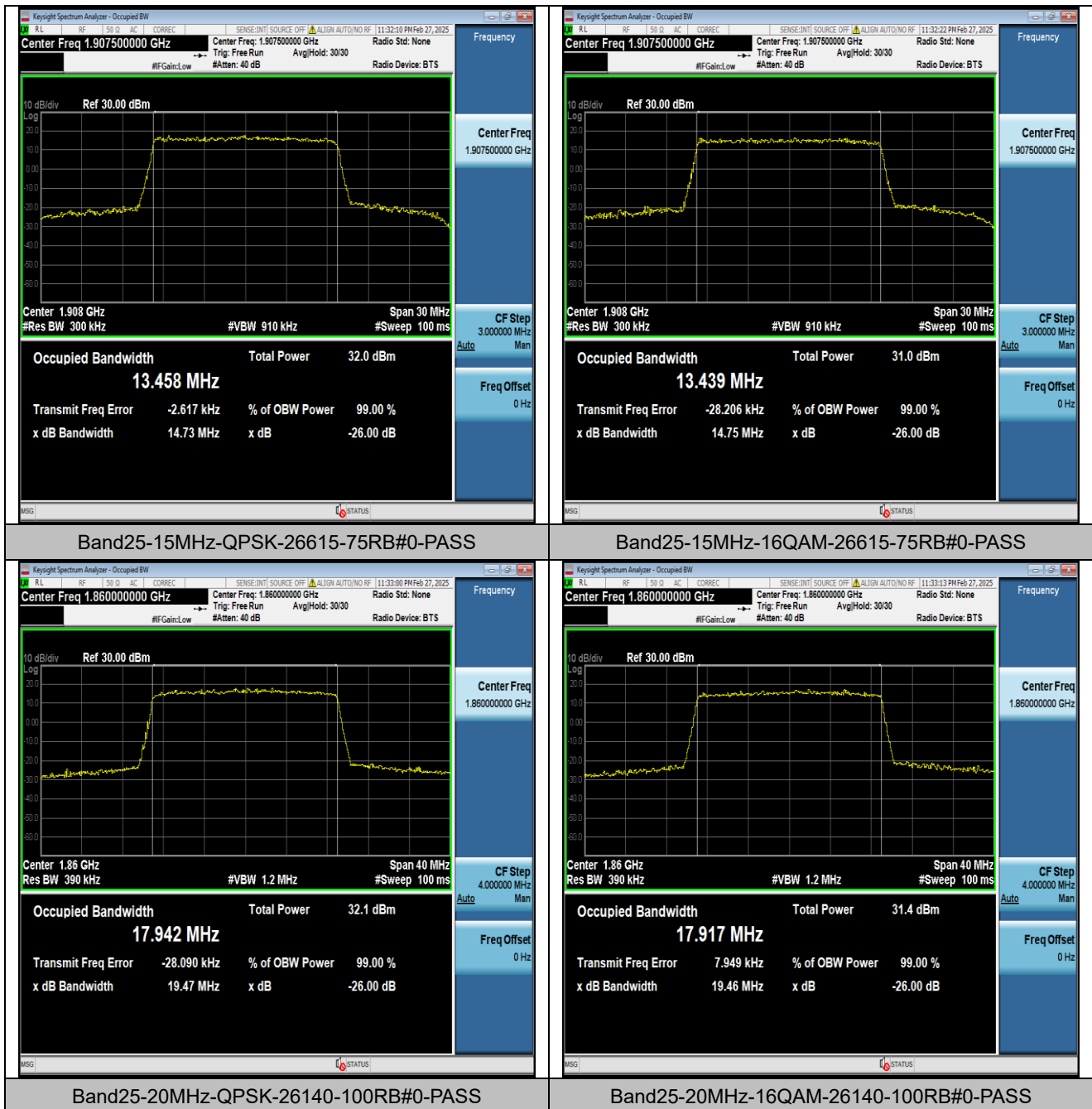


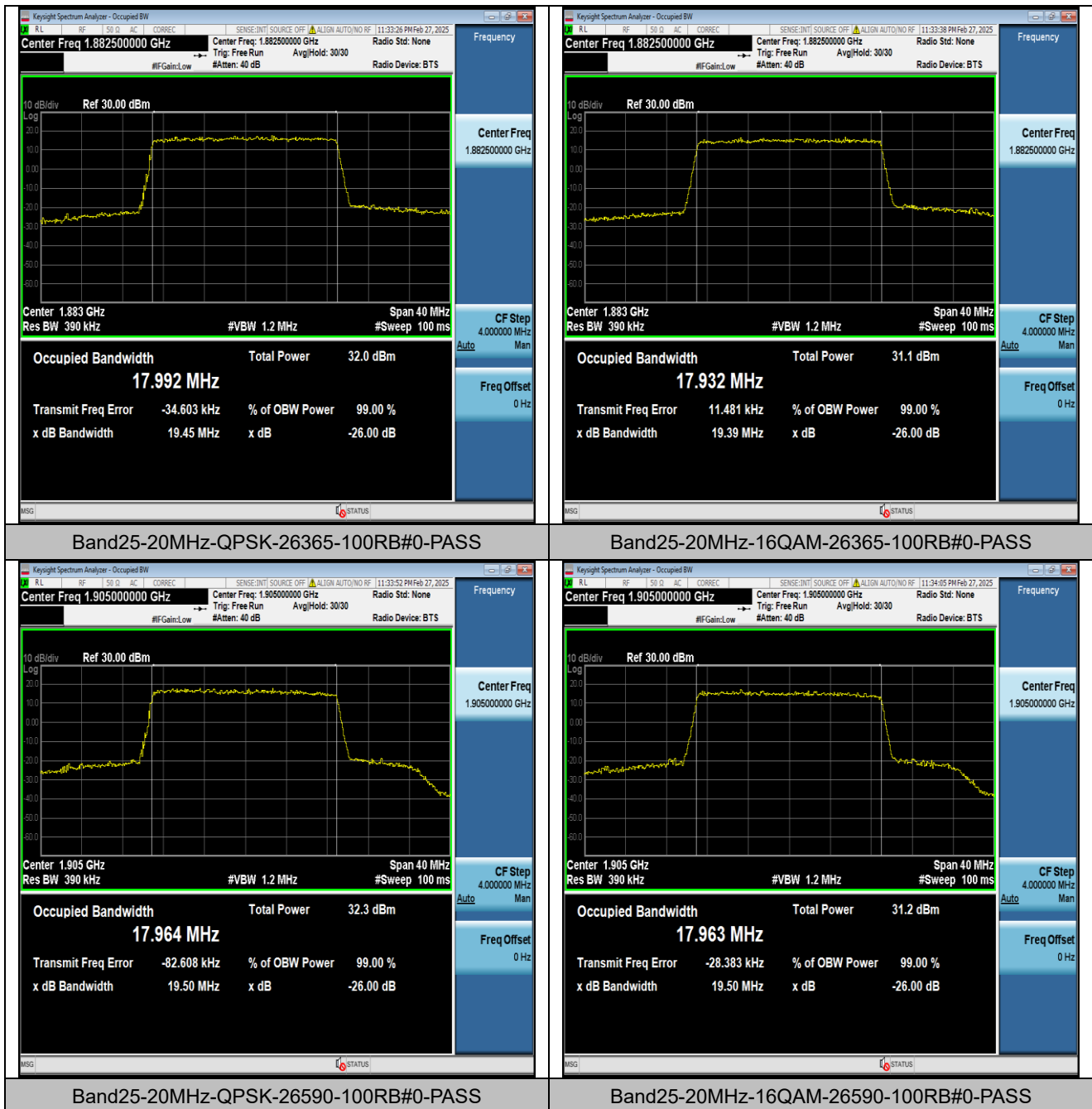






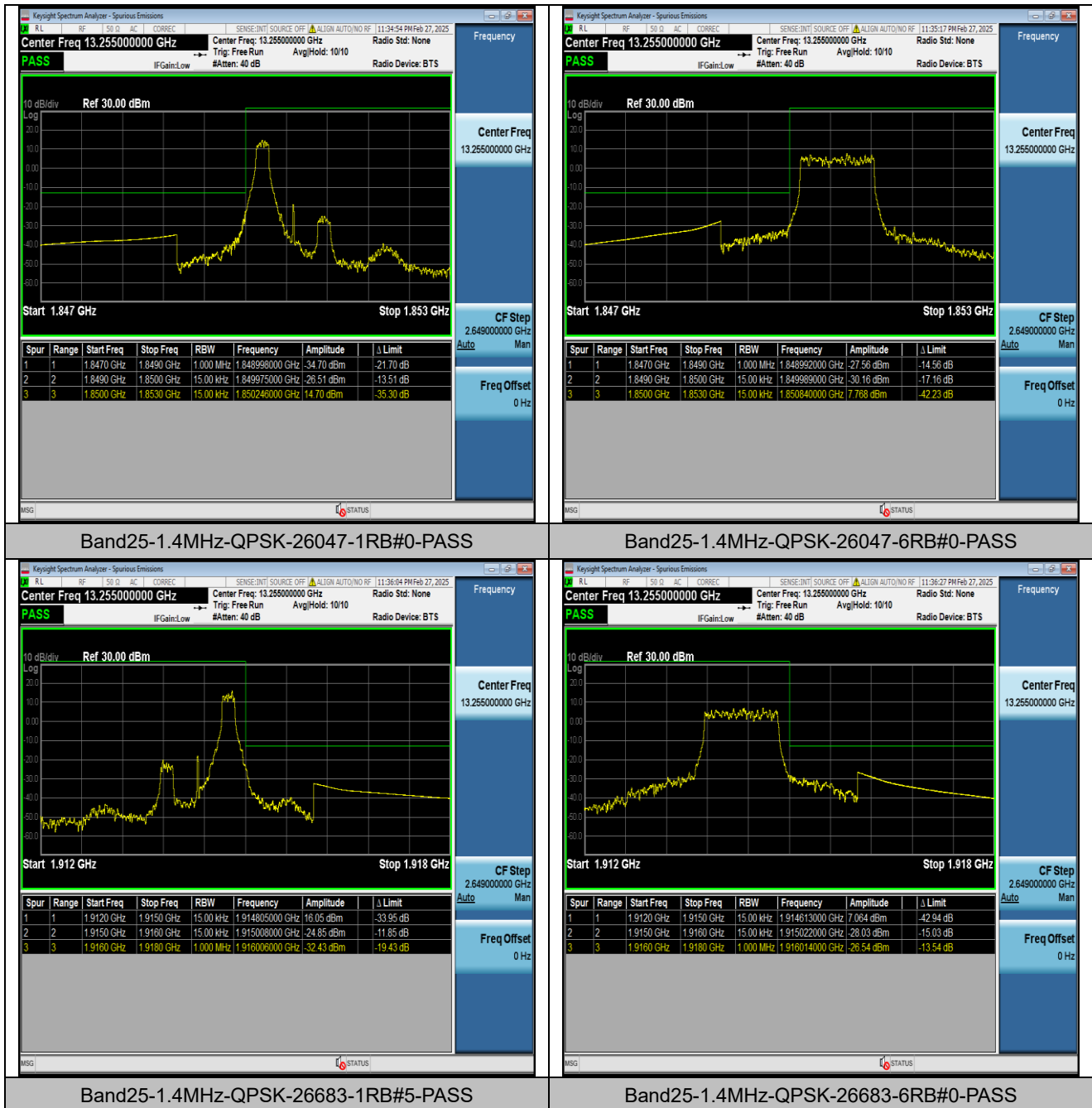


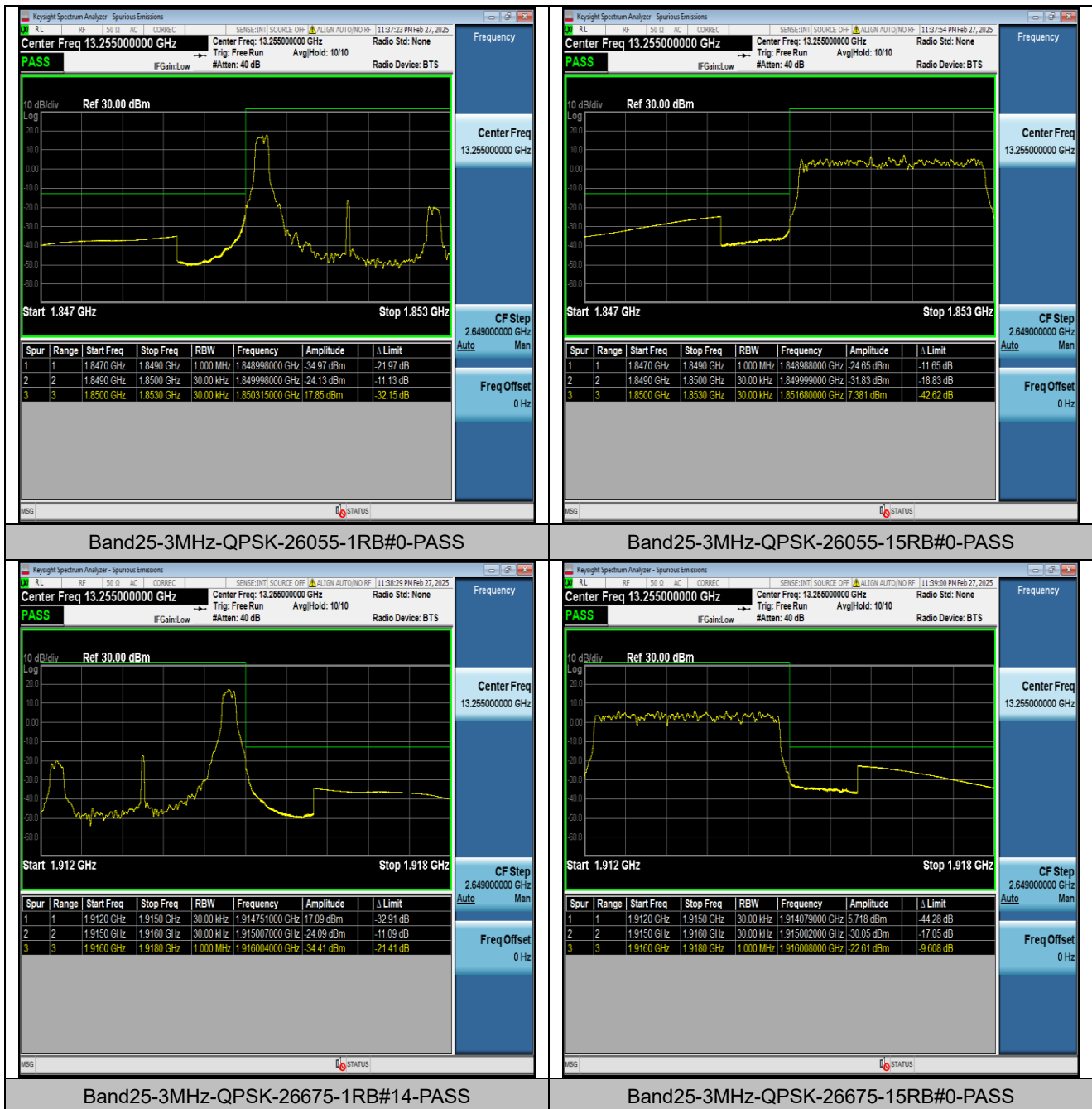


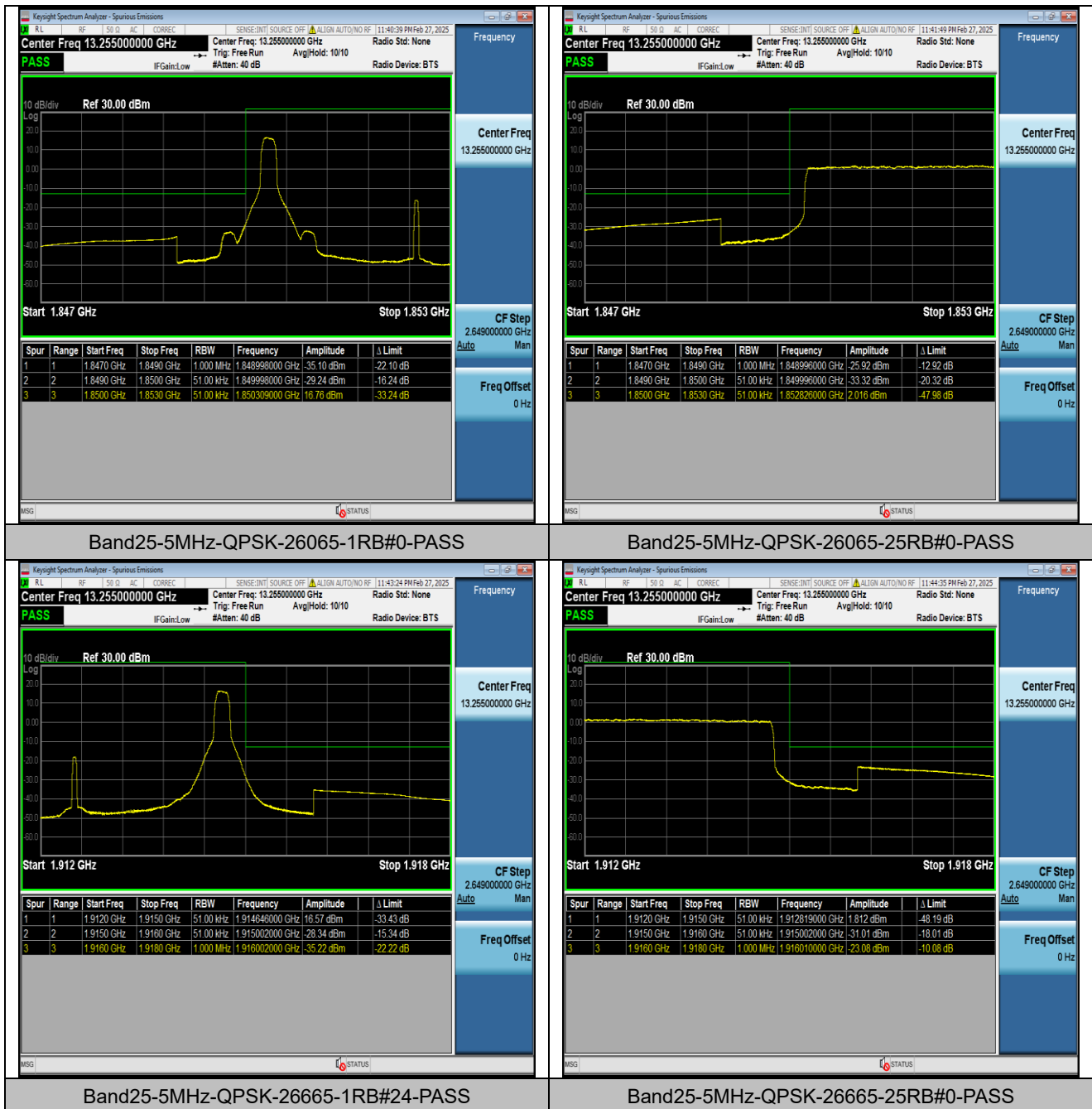


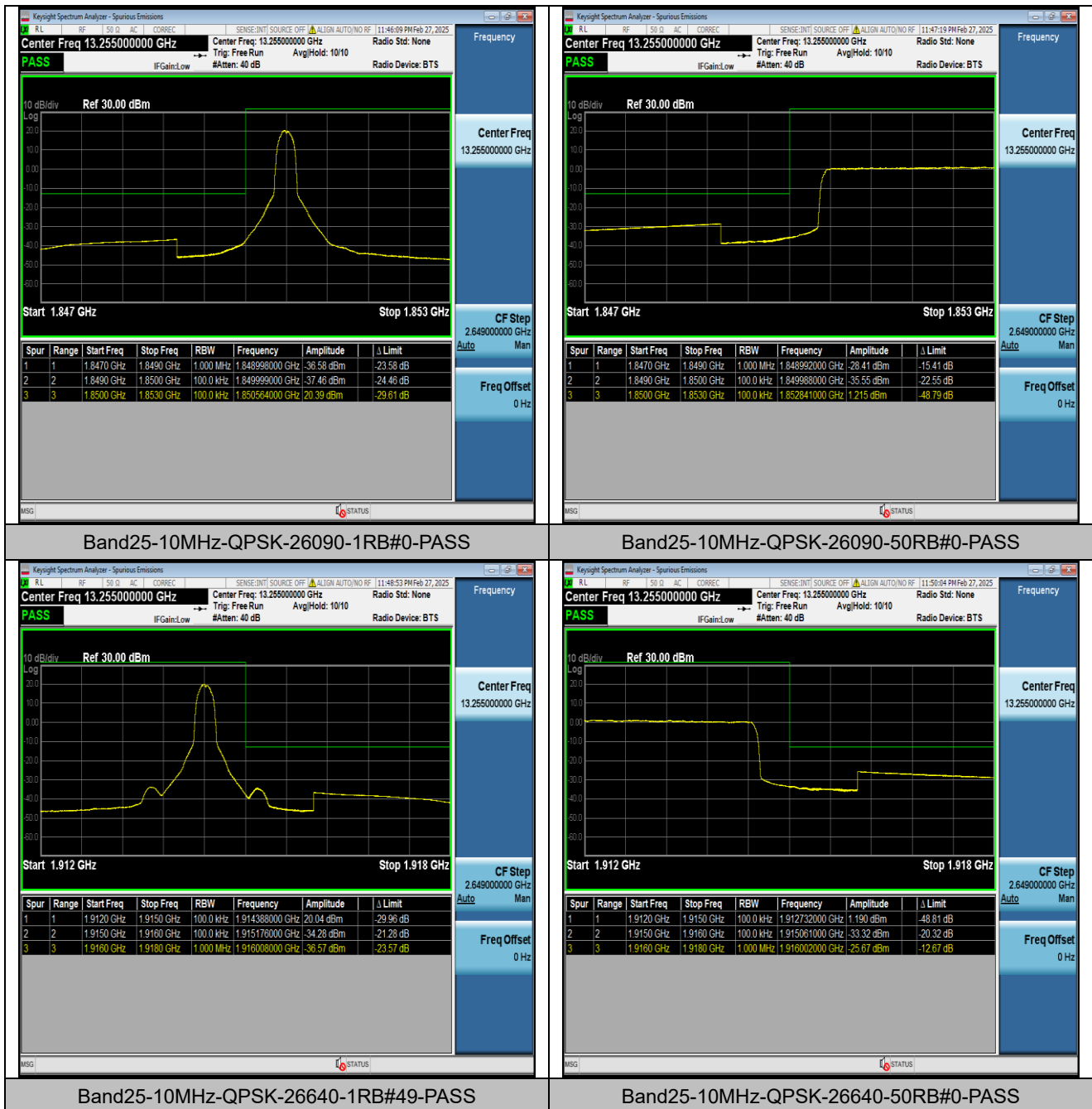
Band Edge

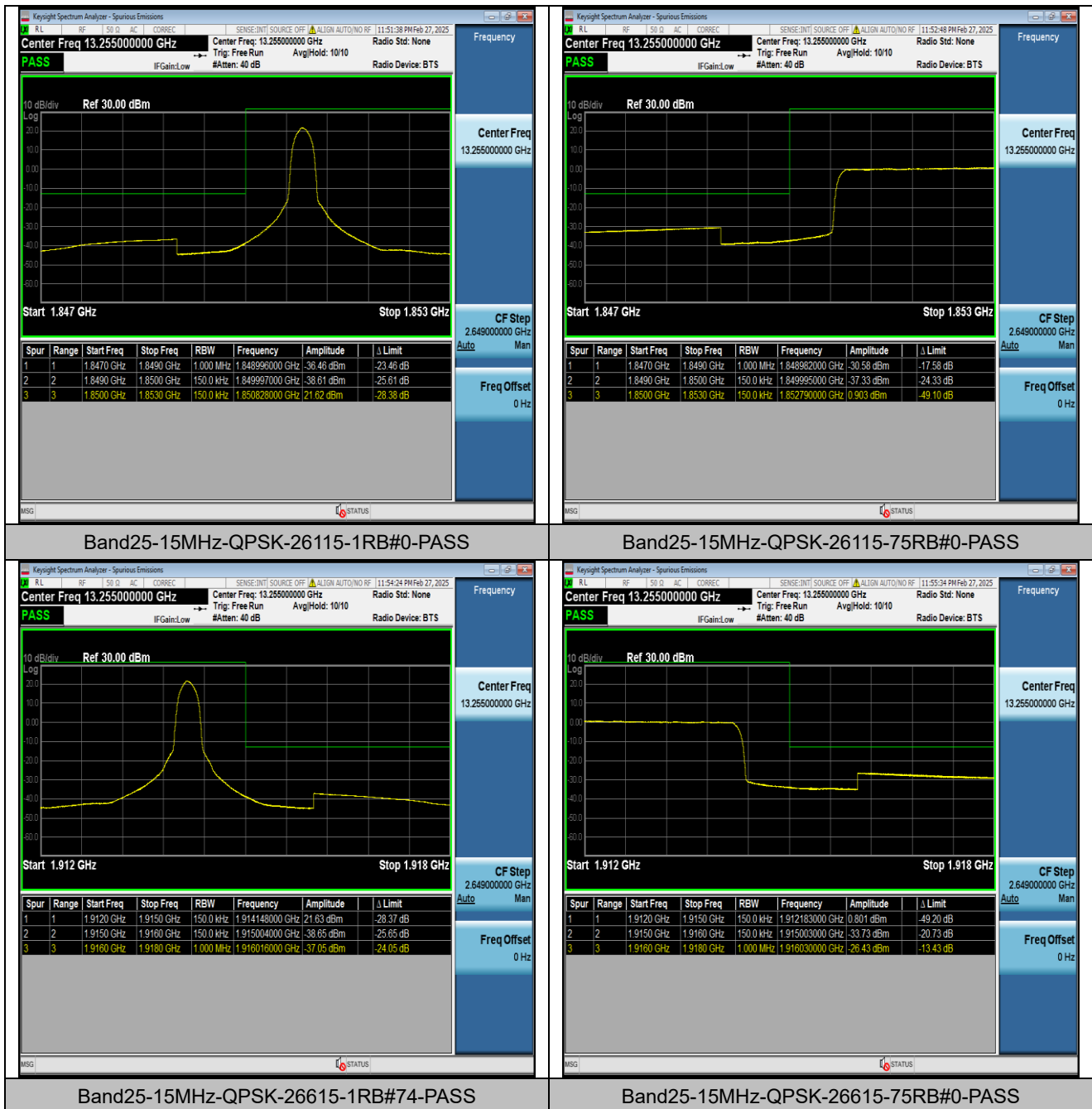
Test Graphs

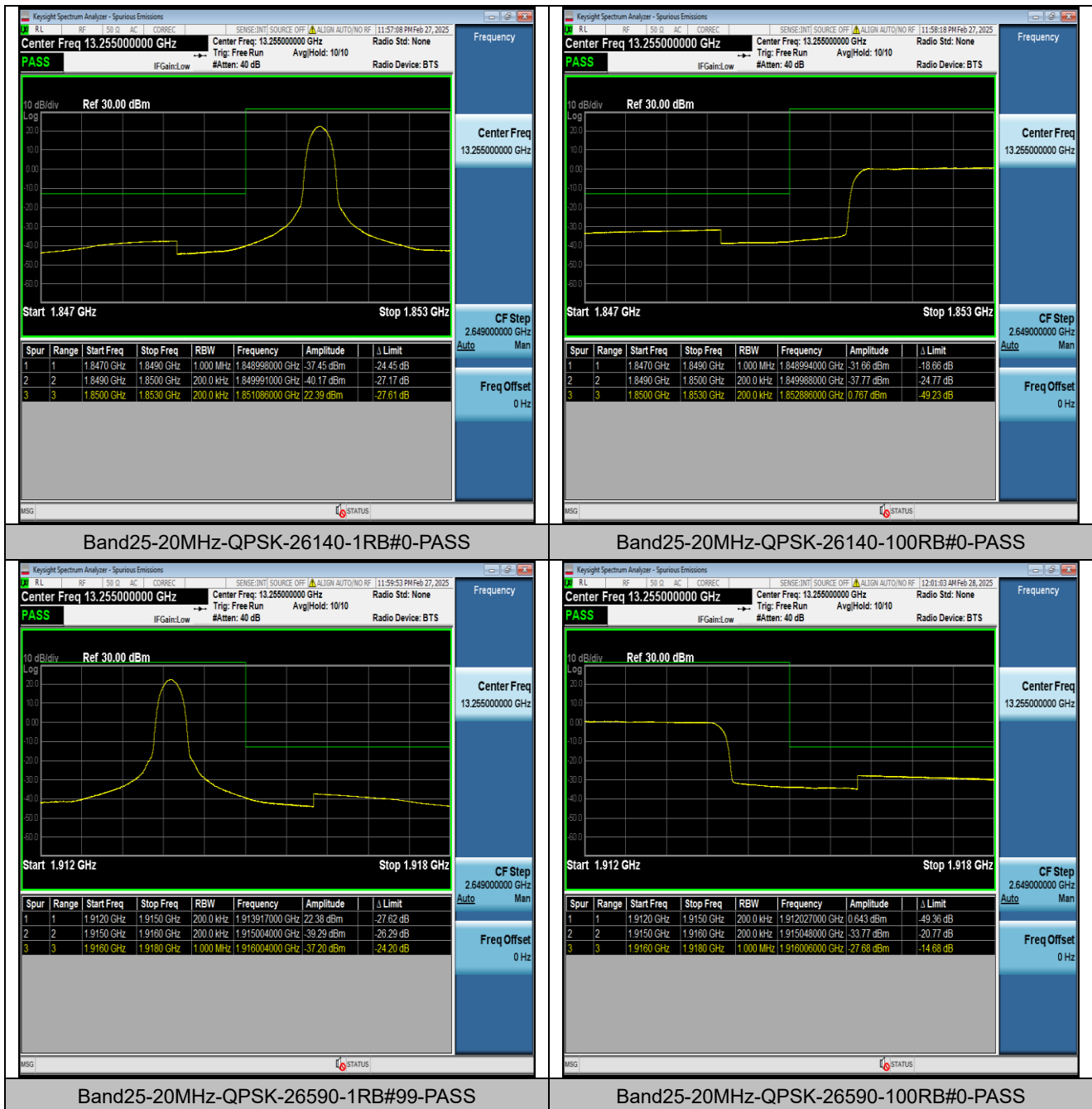






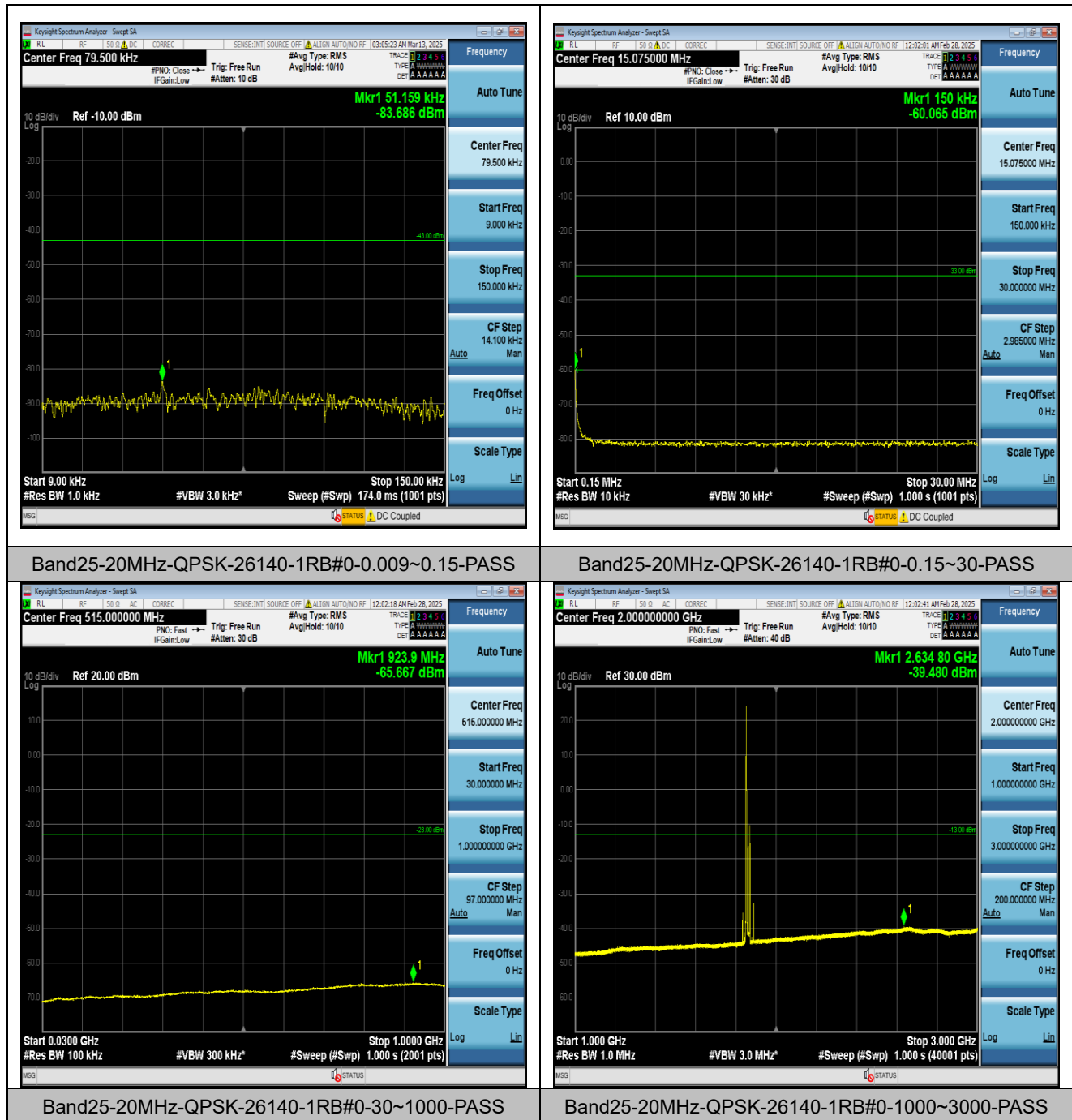


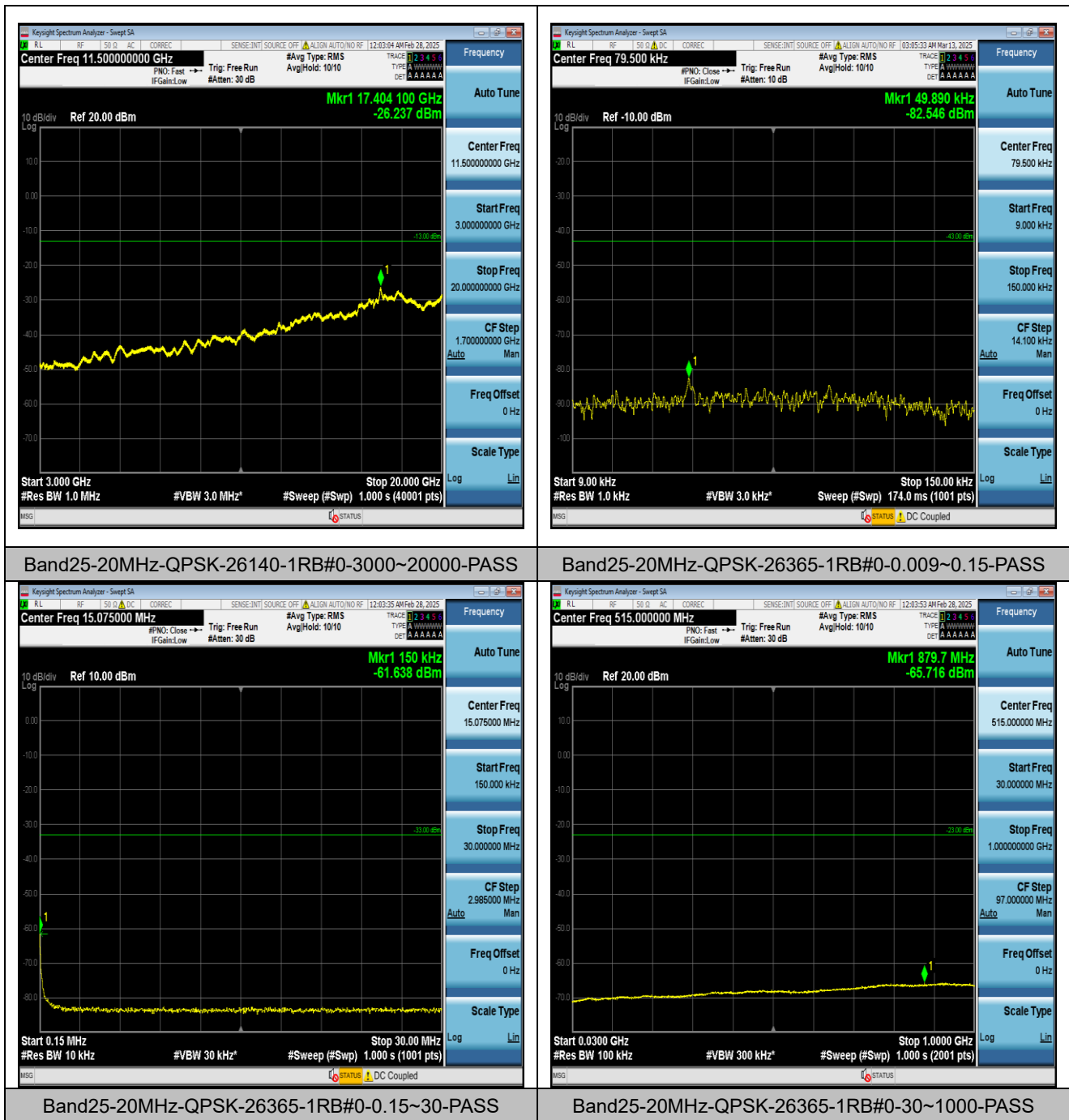


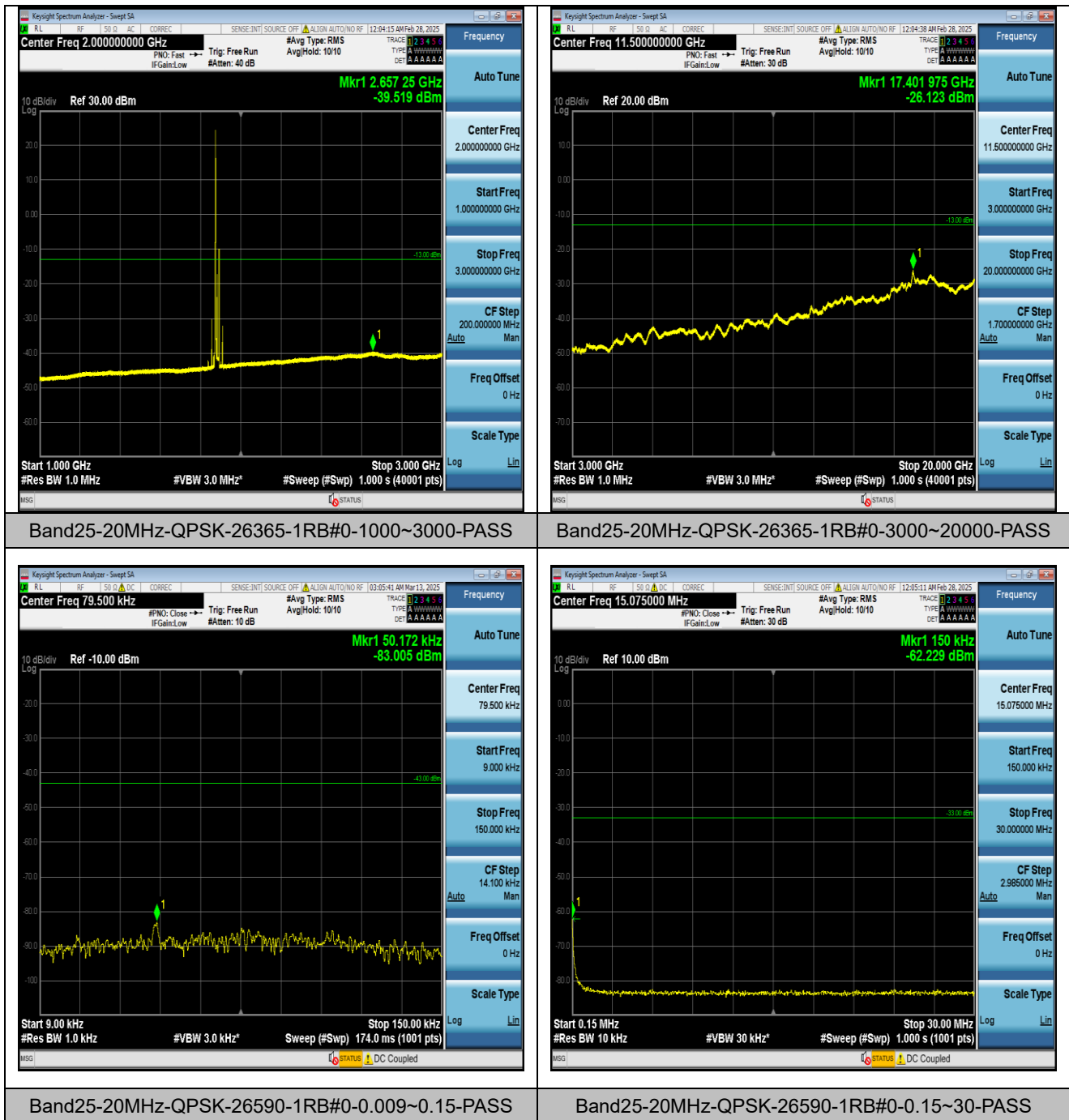


Conducted Spurious Emission

Test Graphs

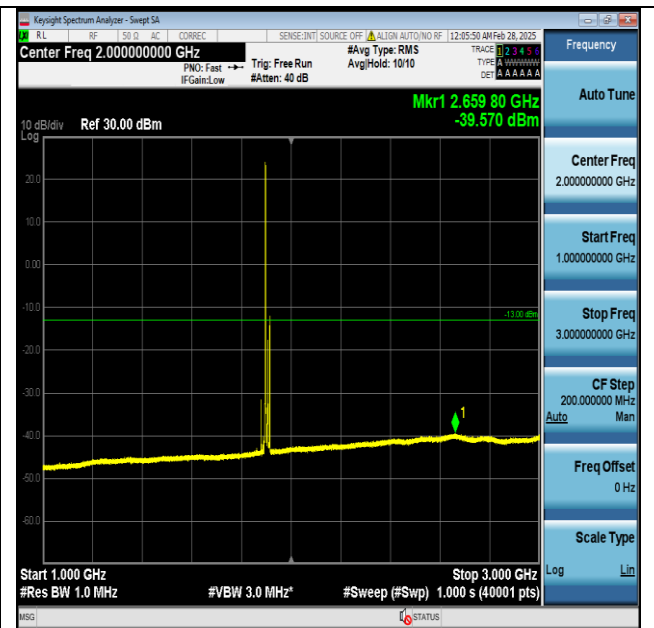








Band25-20MHz-QPSK-26590-1RB#0-30~1000-PASS



Band25-20MHz-QPSK-26590-1RB#0-1000~3000-PASS



Band25-20MHz-QPSK-26590-1RB#0-3000~20000-PASS

Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band25	20MHz	QPSK	26365	100RB#0	VN	NT	1.80	0.000956	PASS
Band25	20MHz	QPSK	26365	100RB#0	VL	NT	2.00	0.001062	PASS
Band25	20MHz	QPSK	26365	100RB#0	VH	NT	2.20	0.001169	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band25	20MHz	QPSK	26365	100RB#0	NV	-30	2.10	0.001116	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-20	1.70	0.000903	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-10	1.20	0.000637	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	0	3.00	0.001594	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	10	1.60	0.000850	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	20	2.30	0.001222	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	30	0.10	0.000053	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	40	1.30	0.000691	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	50	1.70	0.000903	PASS

~The End~