

Appendix-A LTE Band 66

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	23.38	24.88	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	23.11	24.61	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	23.1	24.6	30	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	22.36	23.86	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	22.14	23.64	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	22.56	24.06	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	22.53	24.03	30	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.42	22.92	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	23.28	24.78	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	23.24	24.74	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	23.22	24.72	30	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	22.41	23.91	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	22.42	23.92	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	22.16	23.66	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	22.31	23.81	30	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.43	22.93	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	23.33	24.83	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	23.07	24.57	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	23.24	24.74	30	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	22.53	24.03	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	22.32	23.82	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	22.32	23.82	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	22.41	23.91	30	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	21.45	22.95	30	PASS
Band66	3MHz	QPSK	131987	1RB#0	23.19	24.69	30	PASS
Band66	3MHz	QPSK	131987	1RB#8	23.31	24.81	30	PASS
Band66	3MHz	QPSK	131987	1RB#14	23.23	24.73	30	PASS
Band66	3MHz	QPSK	131987	15RB#0	23.42	24.92	30	PASS
Band66	3MHz	16QAM	131987	1RB#0	22.12	23.62	30	PASS
Band66	3MHz	16QAM	131987	1RB#8	22.23	23.73	30	PASS
Band66	3MHz	16QAM	131987	1RB#14	22.16	23.66	30	PASS
Band66	3MHz	16QAM	131987	15RB#0	22.31	23.81	30	PASS
Band66	3MHz	QPSK	132322	1RB#0	23.25	24.75	30	PASS
Band66	3MHz	QPSK	132322	1RB#8	23.12	24.62	30	PASS
Band66	3MHz	QPSK	132322	1RB#14	23.11	24.61	30	PASS
Band66	3MHz	QPSK	132322	15RB#0	23.49	24.99	30	PASS
Band66	3MHz	16QAM	132322	1RB#0	22.46	23.96	30	PASS

Band66	3MHz	16QAM	132322	1RB#8	22.35	23.85	30	PASS
Band66	3MHz	16QAM	132322	1RB#14	22.42	23.92	30	PASS
Band66	3MHz	16QAM	132322	15RB#0	22.16	23.66	30	PASS
Band66	3MHz	QPSK	132657	1RB#0	23.28	24.78	30	PASS
Band66	3MHz	QPSK	132657	1RB#8	23.29	24.79	30	PASS
Band66	3MHz	QPSK	132657	1RB#14	23.13	24.63	30	PASS
Band66	3MHz	QPSK	132657	15RB#0	23.54	25.04	30	PASS
Band66	3MHz	16QAM	132657	1RB#0	22.13	23.63	30	PASS
Band66	3MHz	16QAM	132657	1RB#8	22.16	23.66	30	PASS
Band66	3MHz	16QAM	132657	1RB#14	22.74	24.24	30	PASS
Band66	3MHz	16QAM	132657	15RB#0	22.44	23.94	30	PASS
Band66	5MHz	QPSK	131997	1RB#0	23.23	24.73	30	PASS
Band66	5MHz	QPSK	131997	1RB#12	23.52	25.02	30	PASS
Band66	5MHz	QPSK	131997	1RB#24	23.24	24.74	30	PASS
Band66	5MHz	QPSK	131997	25RB#0	22.54	24.04	30	PASS
Band66	5MHz	16QAM	131997	1RB#0	22.23	23.73	30	PASS
Band66	5MHz	16QAM	131997	1RB#12	22.56	24.06	30	PASS
Band66	5MHz	16QAM	131997	1RB#24	22.33	23.83	30	PASS
Band66	5MHz	16QAM	131997	25RB#0	21.56	23.06	30	PASS
Band66	5MHz	QPSK	132322	1RB#0	23.23	24.73	30	PASS
Band66	5MHz	QPSK	132322	1RB#12	23.22	24.72	30	PASS
Band66	5MHz	QPSK	132322	1RB#24	23.09	24.59	30	PASS
Band66	5MHz	QPSK	132322	25RB#0	22.49	23.99	30	PASS
Band66	5MHz	16QAM	132322	1RB#0	22.38	23.88	30	PASS
Band66	5MHz	16QAM	132322	1RB#12	22.31	23.81	30	PASS
Band66	5MHz	16QAM	132322	1RB#24	22.61	24.11	30	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.61	23.11	30	PASS
Band66	5MHz	QPSK	132647	1RB#0	23.22	24.72	30	PASS
Band66	5MHz	QPSK	132647	1RB#12	23.52	25.02	30	PASS
Band66	5MHz	QPSK	132647	1RB#24	23.15	24.65	30	PASS
Band66	5MHz	QPSK	132647	25RB#0	22.57	24.07	30	PASS
Band66	5MHz	16QAM	132647	1RB#0	22.43	23.93	30	PASS
Band66	5MHz	16QAM	132647	1RB#12	22.2	23.7	30	PASS
Band66	5MHz	16QAM	132647	1RB#24	22.34	23.84	30	PASS
Band66	5MHz	16QAM	132647	25RB#0	21.37	22.87	30	PASS
Band66	10MHz	QPSK	132022	1RB#0	23.25	24.75	30	PASS
Band66	10MHz	QPSK	132022	1RB#24	23.42	24.92	30	PASS
Band66	10MHz	QPSK	132022	1RB#49	23.01	24.51	30	PASS
Band66	10MHz	QPSK	132022	50RB#0	22.44	23.94	30	PASS
Band66	10MHz	16QAM	132022	1RB#0	22.38	23.88	30	PASS
Band66	10MHz	16QAM	132022	1RB#24	22.41	23.91	30	PASS
Band66	10MHz	16QAM	132022	1RB#49	22.26	23.76	30	PASS
Band66	10MHz	16QAM	132022	50RB#0	21.61	23.11	30	PASS
Band66	10MHz	QPSK	132322	1RB#0	23.49	24.99	30	PASS
Band66	10MHz	QPSK	132322	1RB#24	23.23	24.73	30	PASS

Band66	10MHz	QPSK	132322	1RB#49	23.18	24.68	30	PASS
Band66	10MHz	QPSK	132322	50RB#0	22.41	23.91	30	PASS
Band66	10MHz	16QAM	132322	1RB#0	22.31	23.81	30	PASS
Band66	10MHz	16QAM	132322	1RB#24	22.28	23.78	30	PASS
Band66	10MHz	16QAM	132322	1RB#49	22.58	24.08	30	PASS
Band66	10MHz	16QAM	132322	50RB#0	21.56	23.06	30	PASS
Band66	10MHz	QPSK	132622	1RB#0	23.11	24.61	30	PASS
Band66	10MHz	QPSK	132622	1RB#24	23.33	24.83	30	PASS
Band66	10MHz	QPSK	132622	1RB#49	23.09	24.59	30	PASS
Band66	10MHz	QPSK	132622	50RB#0	22.48	23.98	30	PASS
Band66	10MHz	16QAM	132622	1RB#0	22.28	23.78	30	PASS
Band66	10MHz	16QAM	132622	1RB#24	22.19	23.69	30	PASS
Band66	10MHz	16QAM	132622	1RB#49	22.38	23.88	30	PASS
Band66	10MHz	16QAM	132622	50RB#0	21.74	23.24	30	PASS
Band66	15MHz	QPSK	132047	1RB#0	23.05	24.55	30	PASS
Band66	15MHz	QPSK	132047	1RB#38	23.22	24.72	30	PASS
Band66	15MHz	QPSK	132047	1RB#74	23.03	24.53	30	PASS
Band66	15MHz	QPSK	132047	75RB#0	22.49	23.99	30	PASS
Band66	15MHz	16QAM	132047	1RB#0	22.41	23.91	30	PASS
Band66	15MHz	16QAM	132047	1RB#38	22.12	23.62	30	PASS
Band66	15MHz	16QAM	132047	1RB#74	22.55	24.05	30	PASS
Band66	15MHz	16QAM	132047	75RB#0	21.62	23.12	30	PASS
Band66	15MHz	QPSK	132322	1RB#0	23.24	24.74	30	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.32	24.82	30	PASS
Band66	15MHz	QPSK	132322	1RB#74	23.41	24.91	30	PASS
Band66	15MHz	QPSK	132322	75RB#0	22.55	24.05	30	PASS
Band66	15MHz	16QAM	132322	1RB#0	22.47	23.97	30	PASS
Band66	15MHz	16QAM	132322	1RB#38	22.33	23.83	30	PASS
Band66	15MHz	16QAM	132322	1RB#74	22.68	24.18	30	PASS
Band66	15MHz	16QAM	132322	75RB#0	21.73	23.23	30	PASS
Band66	15MHz	QPSK	132597	1RB#0	23.08	24.58	30	PASS
Band66	15MHz	QPSK	132597	1RB#38	23.48	24.98	30	PASS
Band66	15MHz	QPSK	132597	1RB#74	23.07	24.57	30	PASS
Band66	15MHz	QPSK	132597	75RB#0	22.62	24.12	30	PASS
Band66	15MHz	16QAM	132597	1RB#0	22.35	23.85	30	PASS
Band66	15MHz	16QAM	132597	1RB#38	22.34	23.84	30	PASS
Band66	15MHz	16QAM	132597	1RB#74	22.47	23.97	30	PASS
Band66	15MHz	16QAM	132597	75RB#0	21.63	23.13	30	PASS
Band66	20MHz	QPSK	132072	1RB#0	23.29	24.79	30	PASS
Band66	20MHz	QPSK	132072	1RB#49	23.25	24.75	30	PASS
Band66	20MHz	QPSK	132072	1RB#99	23.24	24.74	30	PASS
Band66	20MHz	QPSK	132072	100RB#0	22.52	24.02	30	PASS
Band66	20MHz	16QAM	132072	1RB#0	22.66	24.16	30	PASS
Band66	20MHz	16QAM	132072	1RB#49	22.31	23.81	30	PASS
Band66	20MHz	16QAM	132072	1RB#99	22.36	23.86	30	PASS

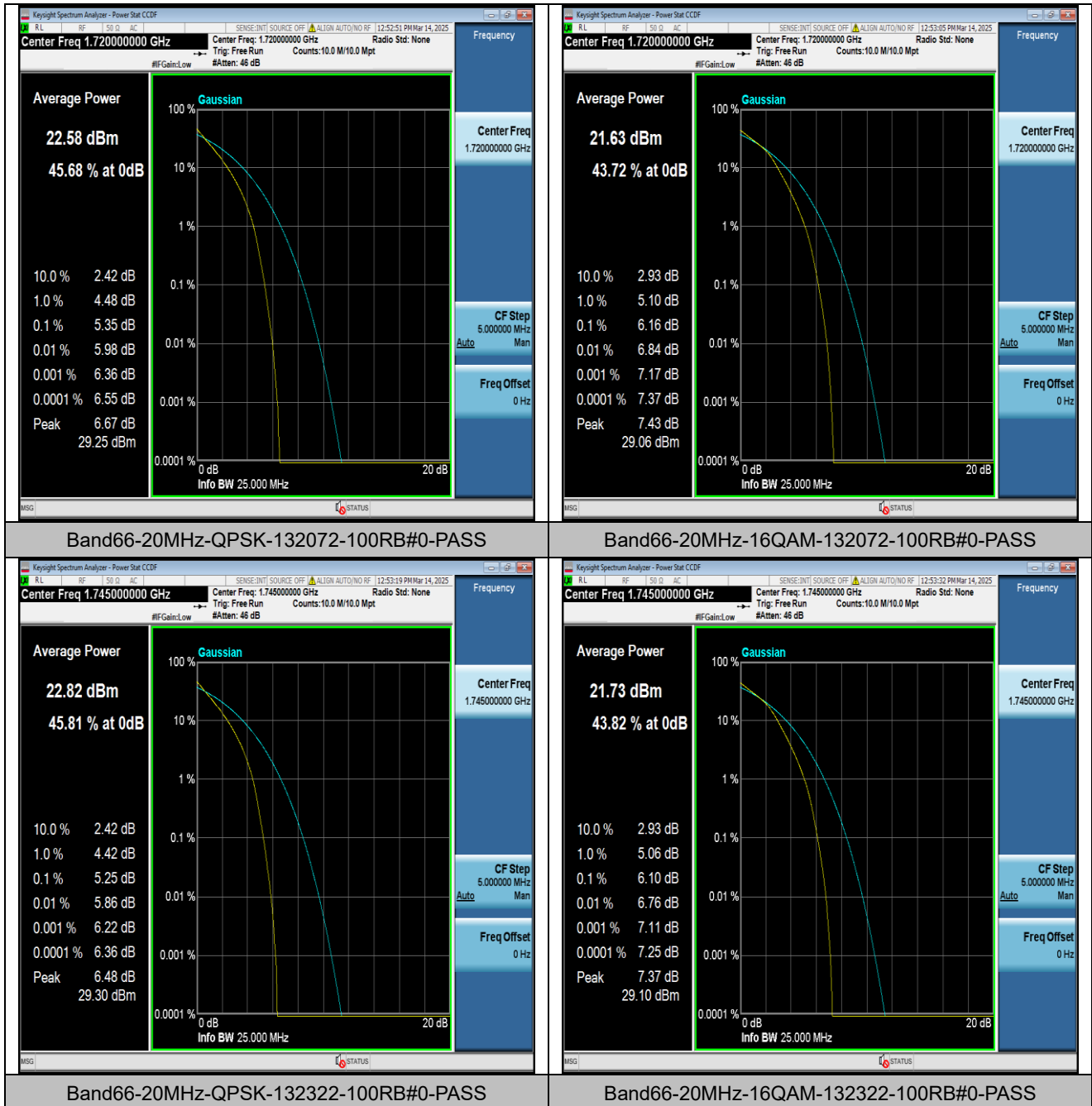
Band66	20MHz	16QAM	132072	100RB#0	21.52	23.02	30	PASS
Band66	20MHz	QPSK	132322	1RB#0	23.23	24.73	30	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.41	24.91	30	PASS
Band66	20MHz	QPSK	132322	1RB#99	23.52	25.02	30	PASS
Band66	20MHz	QPSK	132322	100RB#0	22.63	24.13	30	PASS
Band66	20MHz	16QAM	132322	1RB#0	22.42	23.92	30	PASS
Band66	20MHz	16QAM	132322	1RB#49	22.61	24.11	30	PASS
Band66	20MHz	16QAM	132322	1RB#99	22.41	23.91	30	PASS
Band66	20MHz	16QAM	132322	100RB#0	21.52	23.02	30	PASS
Band66	20MHz	QPSK	132572	1RB#0	23.25	24.75	30	PASS
Band66	20MHz	QPSK	132572	1RB#49	23.53	25.03	30	PASS
Band66	20MHz	QPSK	132572	1RB#99	23.09	24.59	30	PASS
Band66	20MHz	QPSK	132572	100RB#0	22.62	24.12	30	PASS
Band66	20MHz	16QAM	132572	1RB#0	22.25	23.75	30	PASS
Band66	20MHz	16QAM	132572	1RB#49	22.34	23.84	30	PASS
Band66	20MHz	16QAM	132572	1RB#99	22.25	23.75	30	PASS
Band66	20MHz	16QAM	132572	100RB#0	21.61	23.11	30	PASS

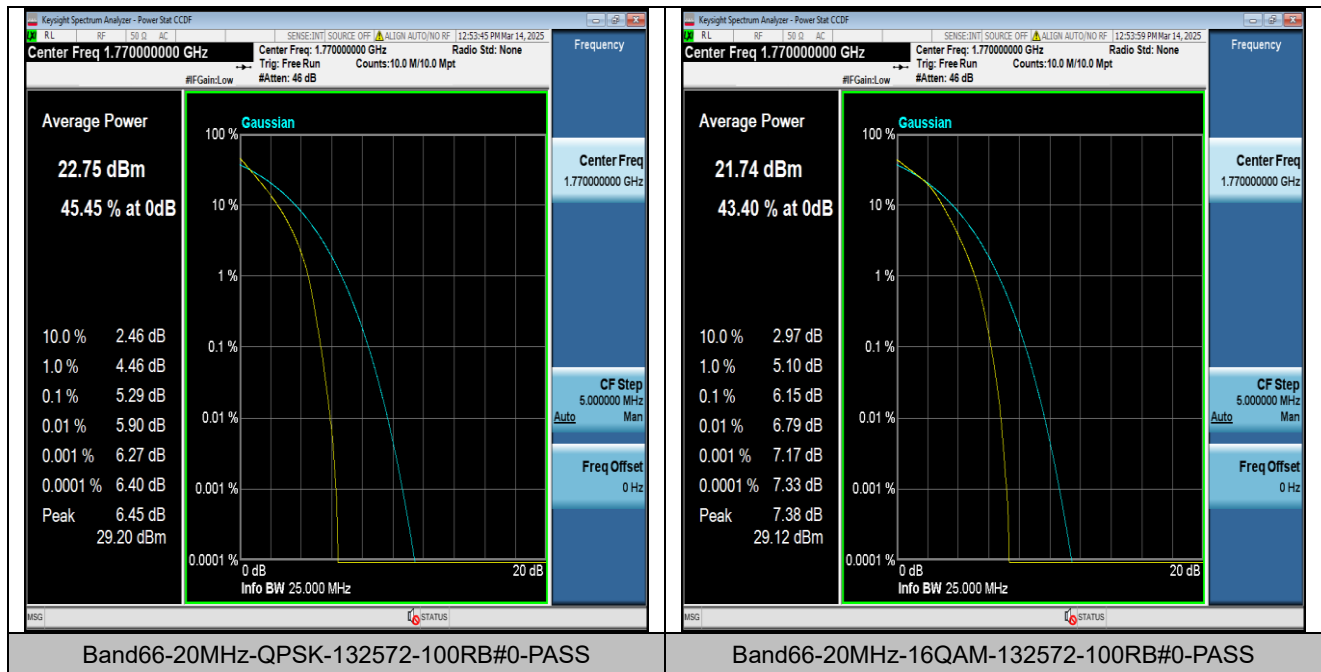
Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	5.35	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	6.16	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.25	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	6.10	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.29	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	6.15	13	PASS

Test Graphs



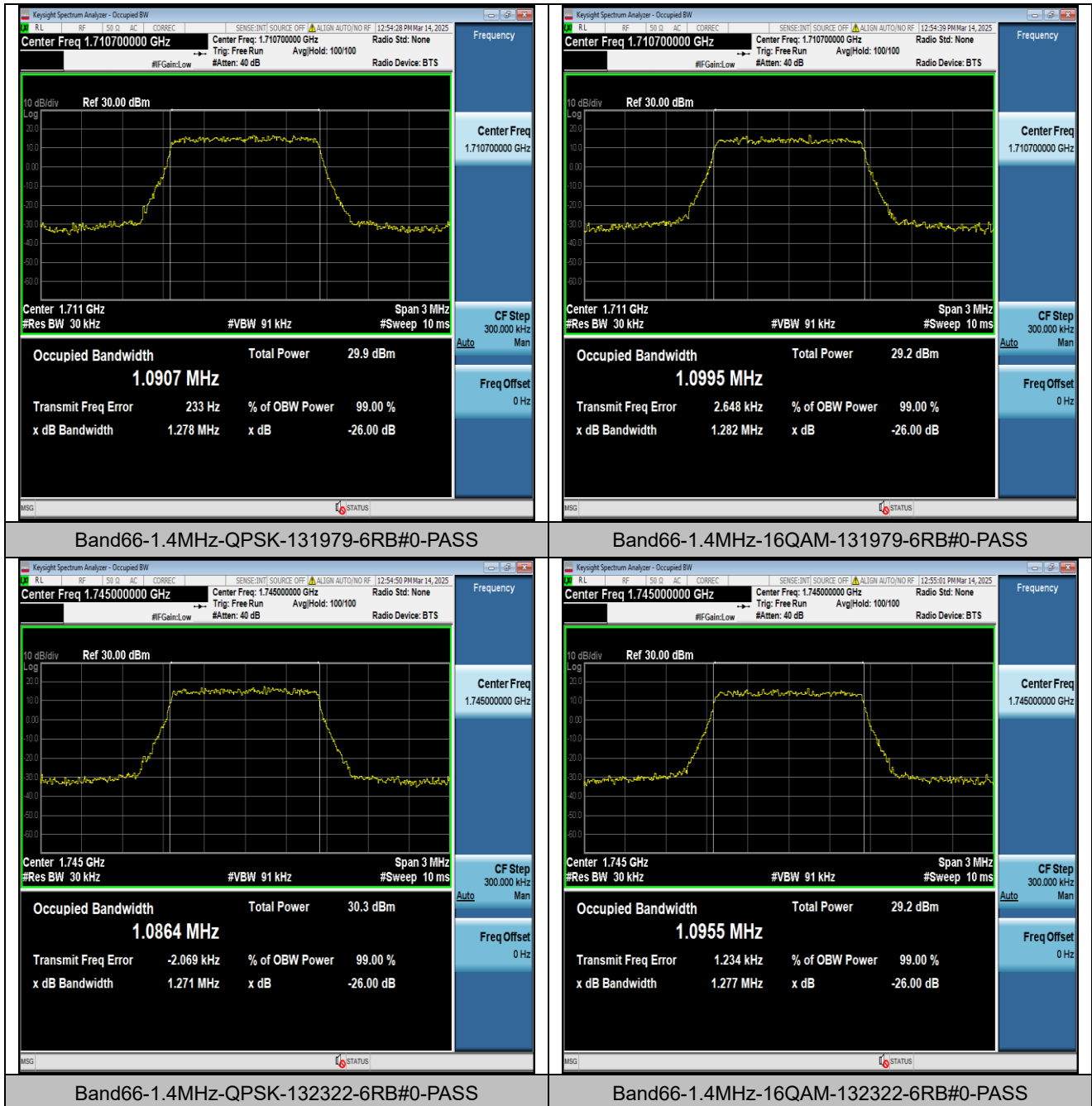


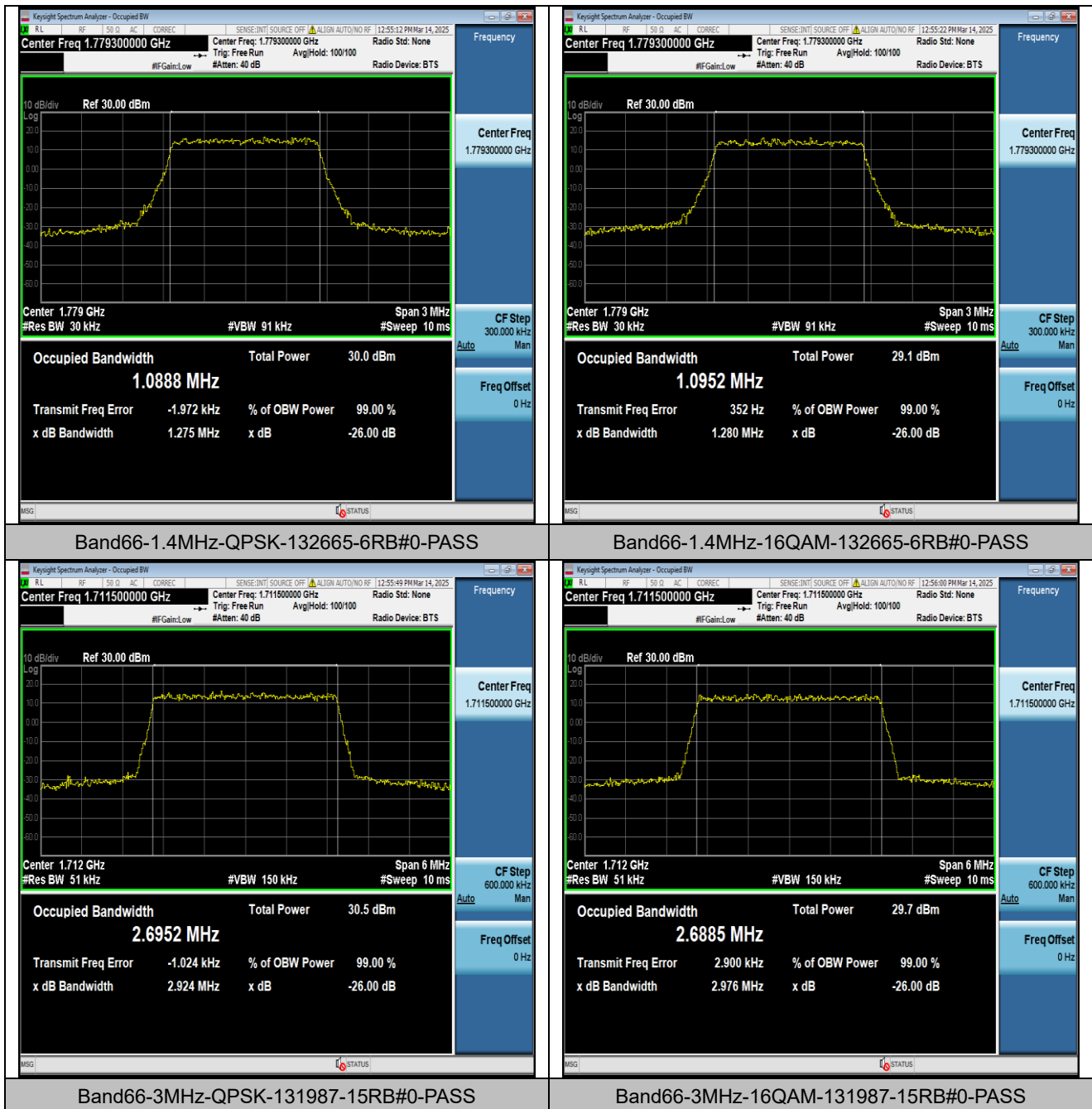
26dB Bandwidth and Occupied Bandwidth

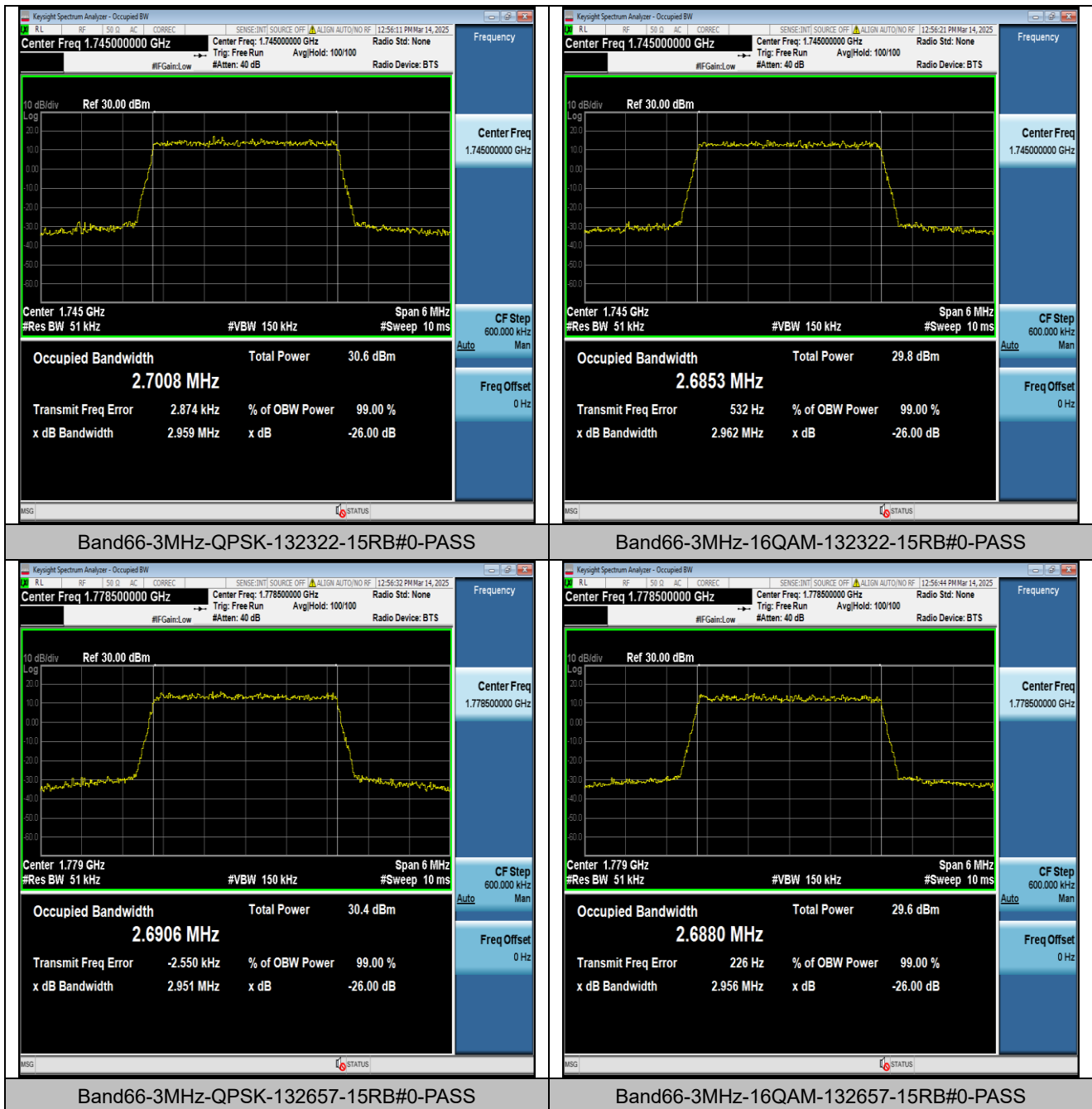
Test Result

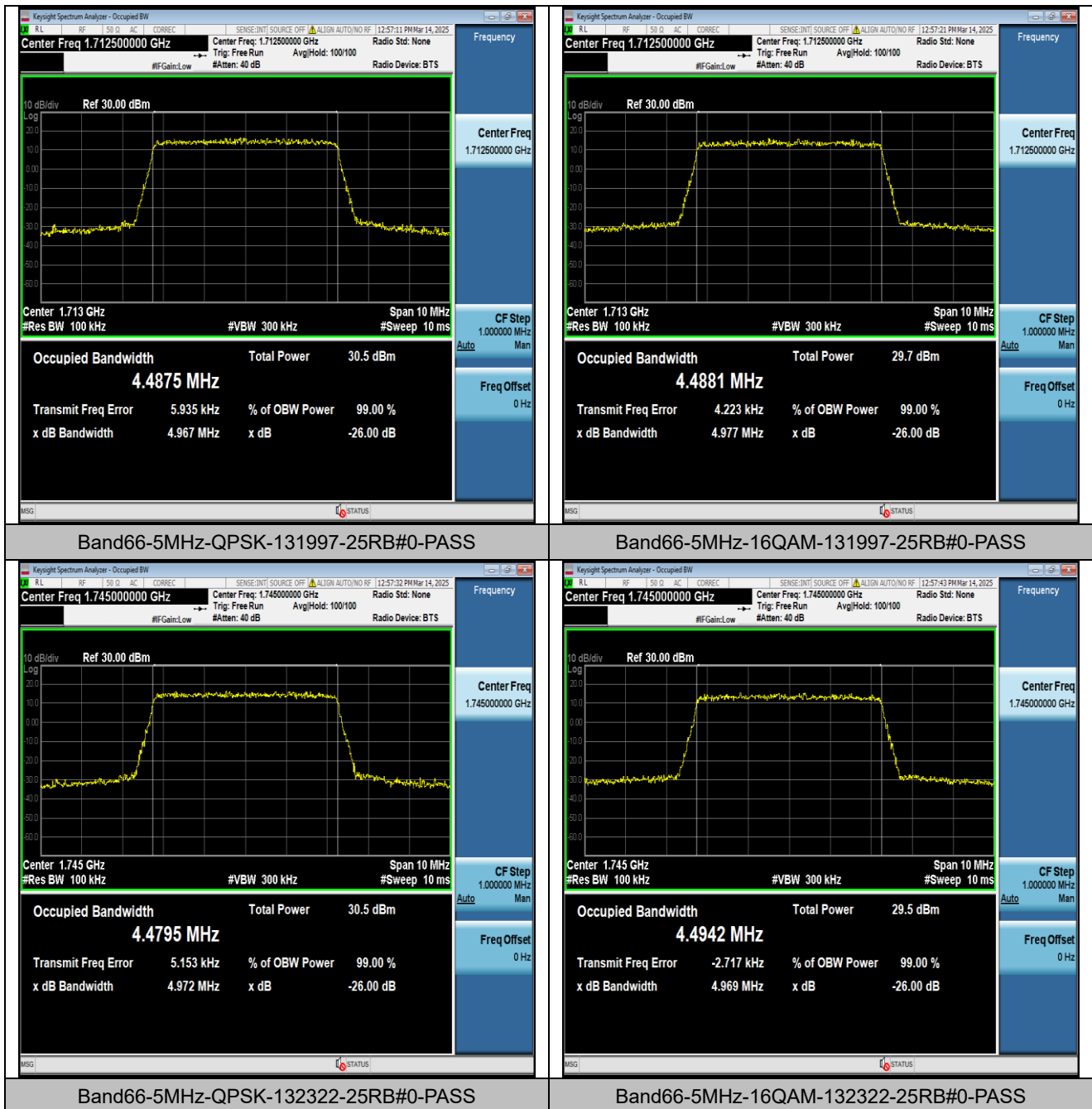
Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.0907	1.278	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.0995	1.282	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0864	1.271	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.0955	1.277	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.0888	1.275	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.0952	1.280	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.6952	2.924	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.6885	2.976	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.7008	2.959	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.6853	2.962	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.6906	2.951	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.6880	2.956	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.4875	4.967	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.4881	4.977	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.4795	4.972	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.4942	4.969	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.4875	4.939	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.4859	4.958	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.9532	9.789	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.9469	9.804	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.9459	9.880	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.9471	9.800	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.9721	9.805	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.9501	9.794	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.439	14.64	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.403	14.73	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.418	14.62	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.389	14.78	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.421	14.62	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.375	14.67	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.967	19.49	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.871	19.40	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.899	19.52	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.877	19.36	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.915	19.41	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.868	19.39	PASS

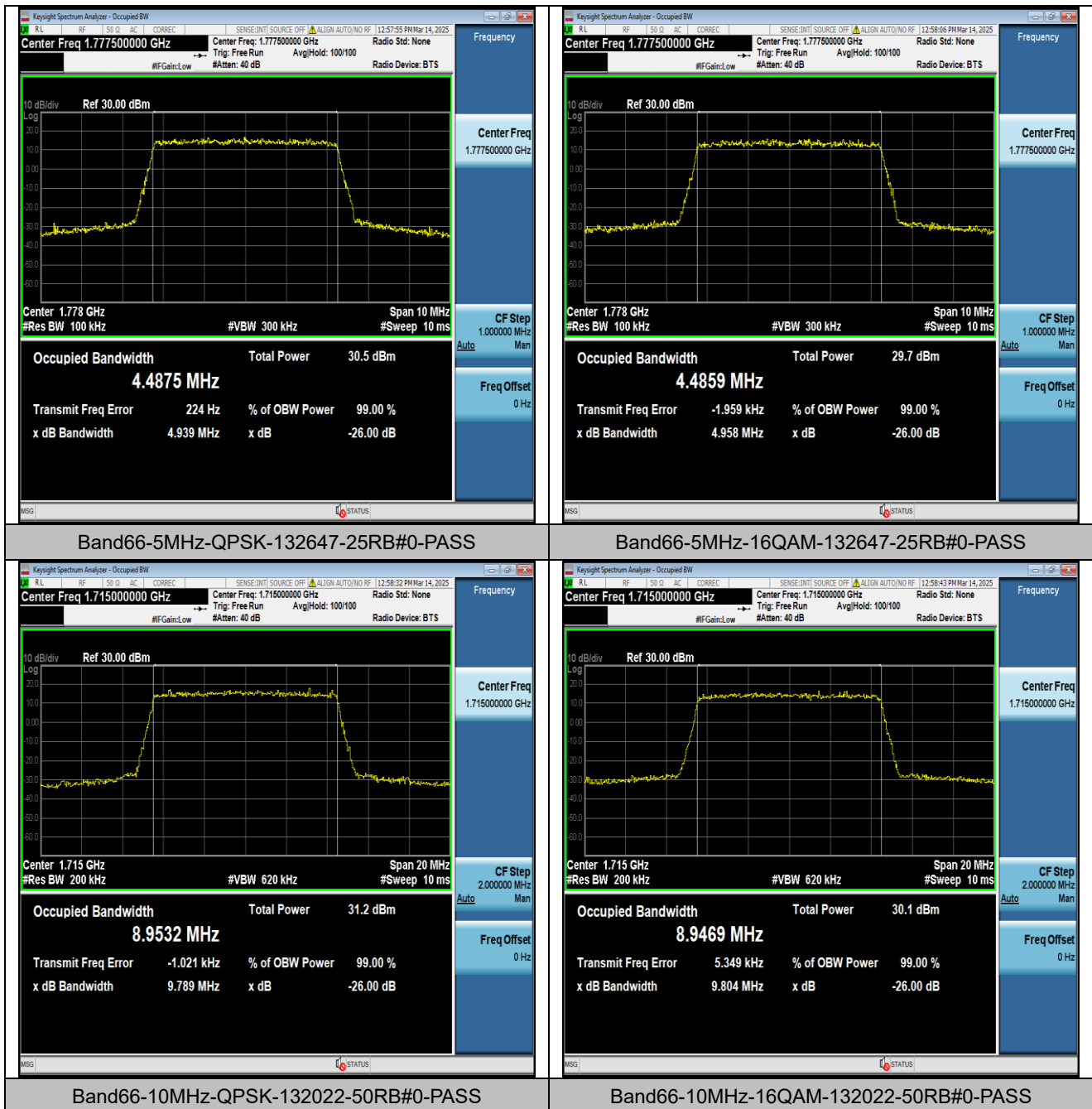
Test Graphs

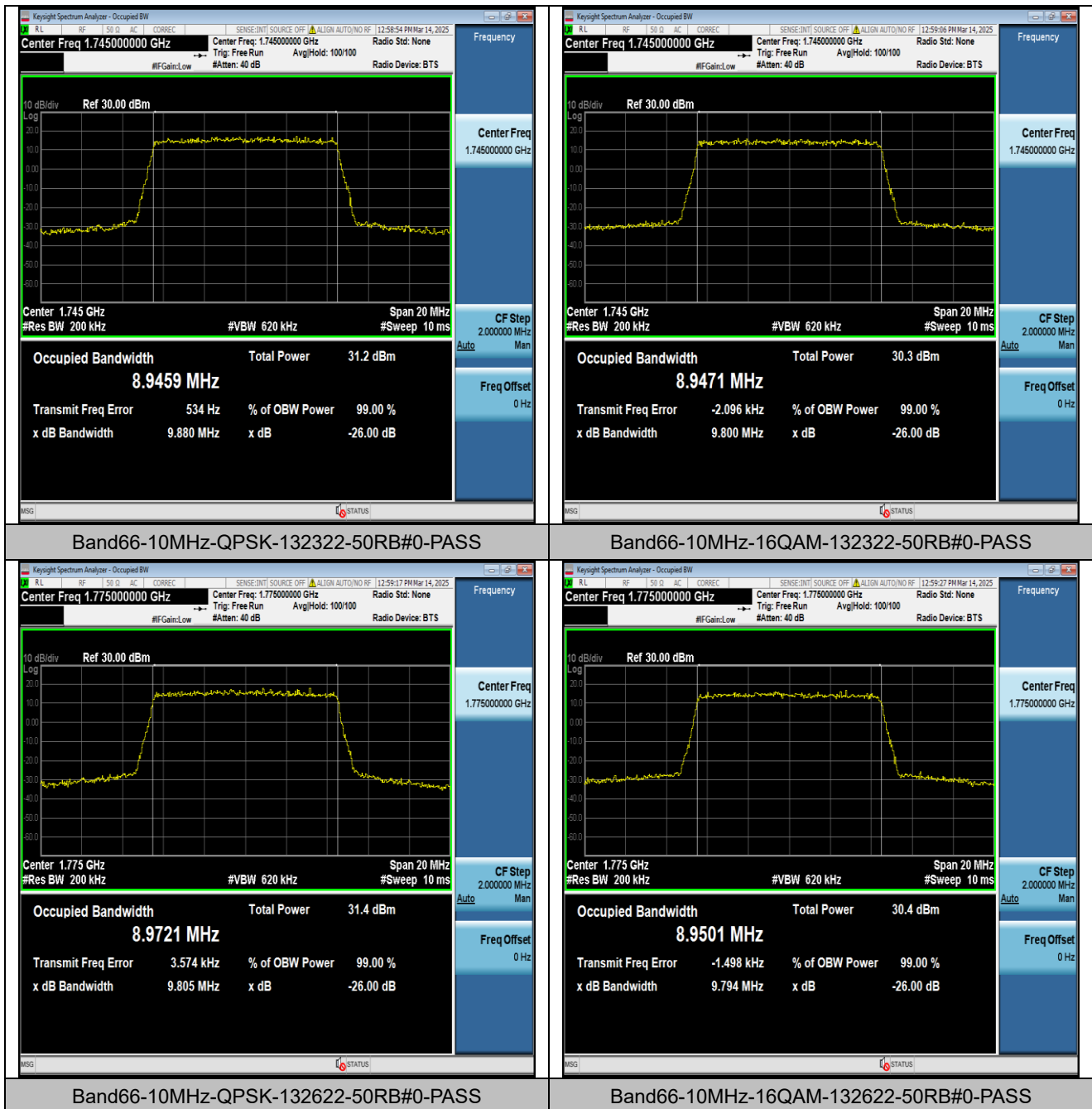


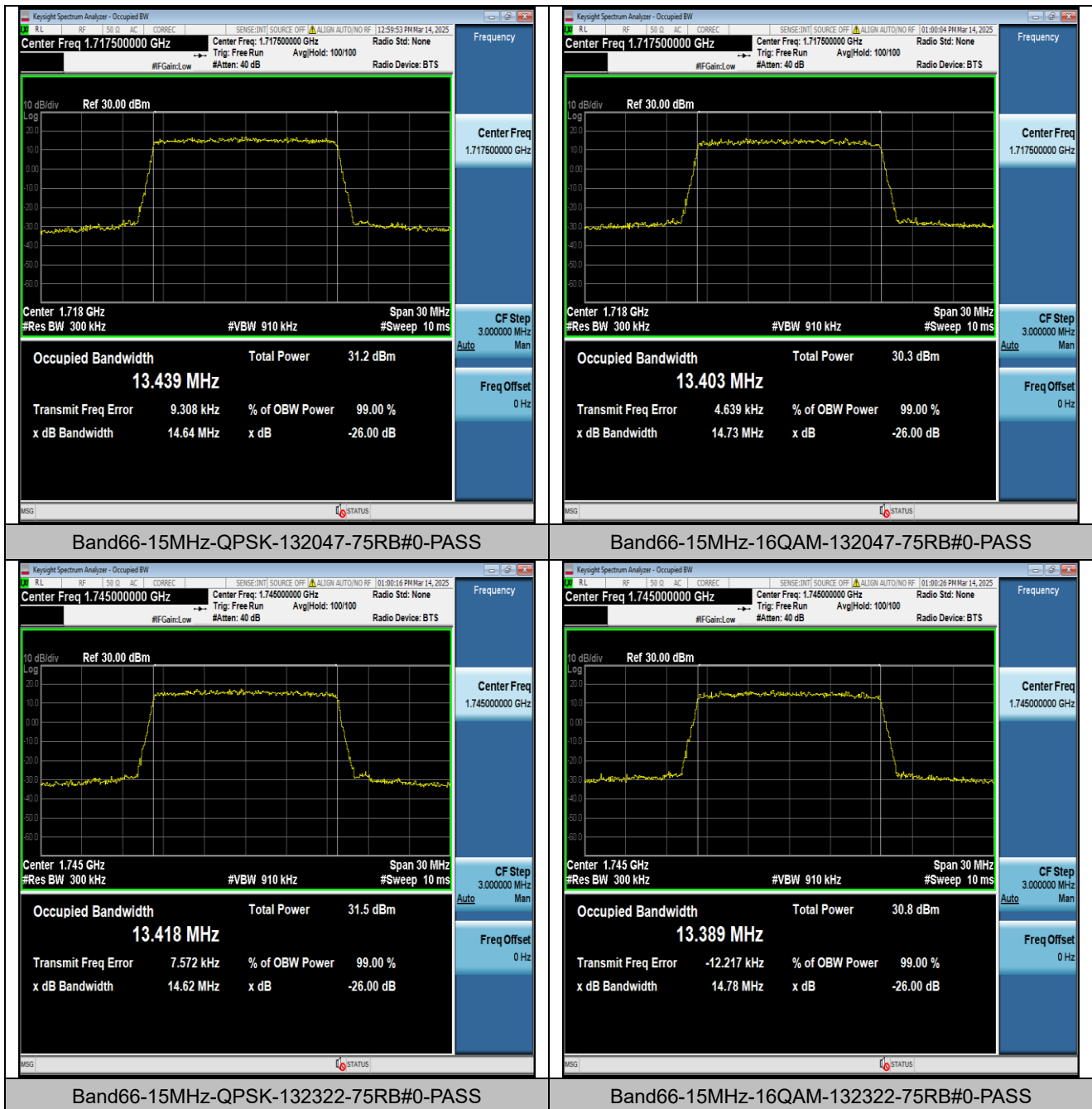


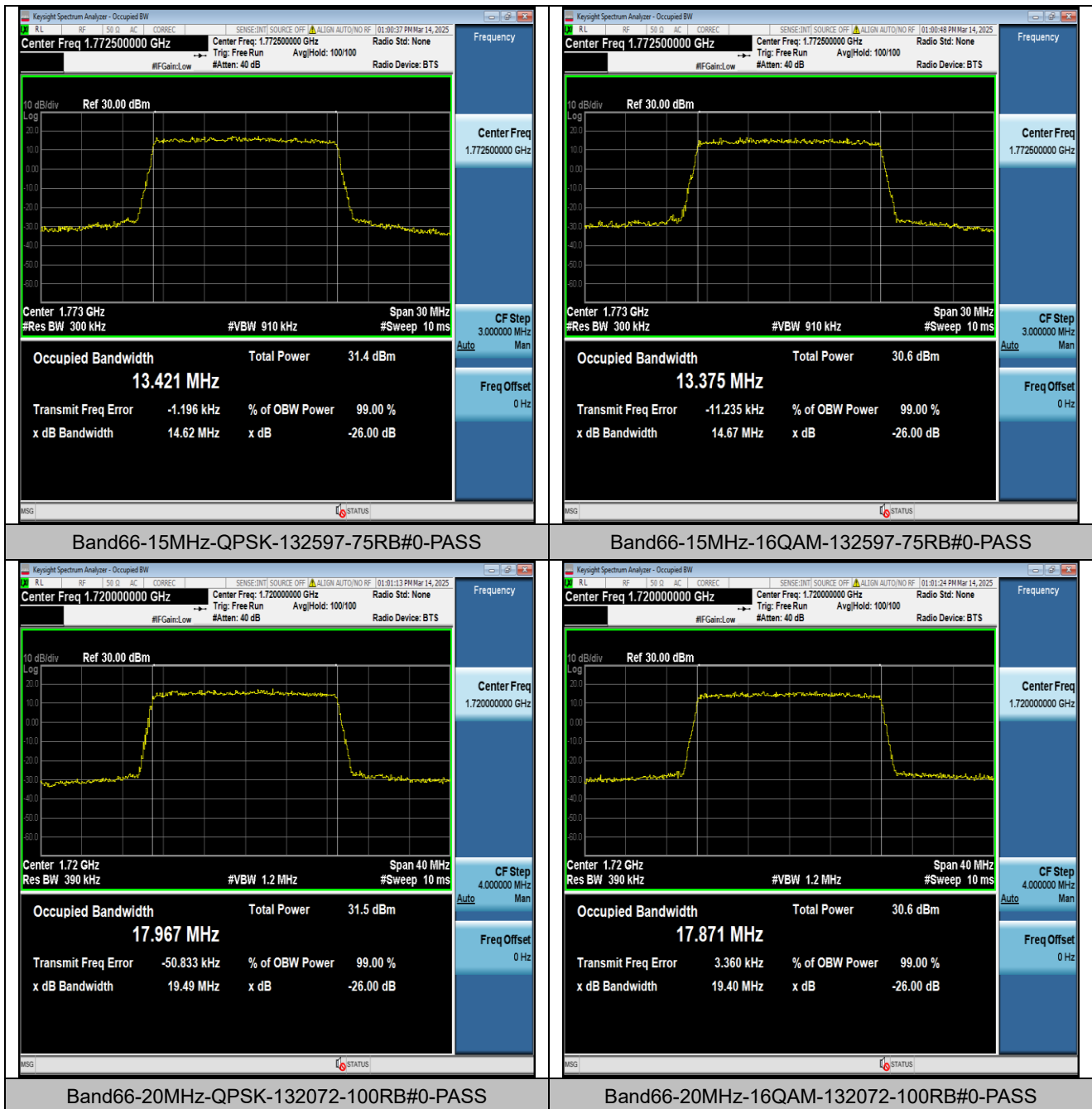


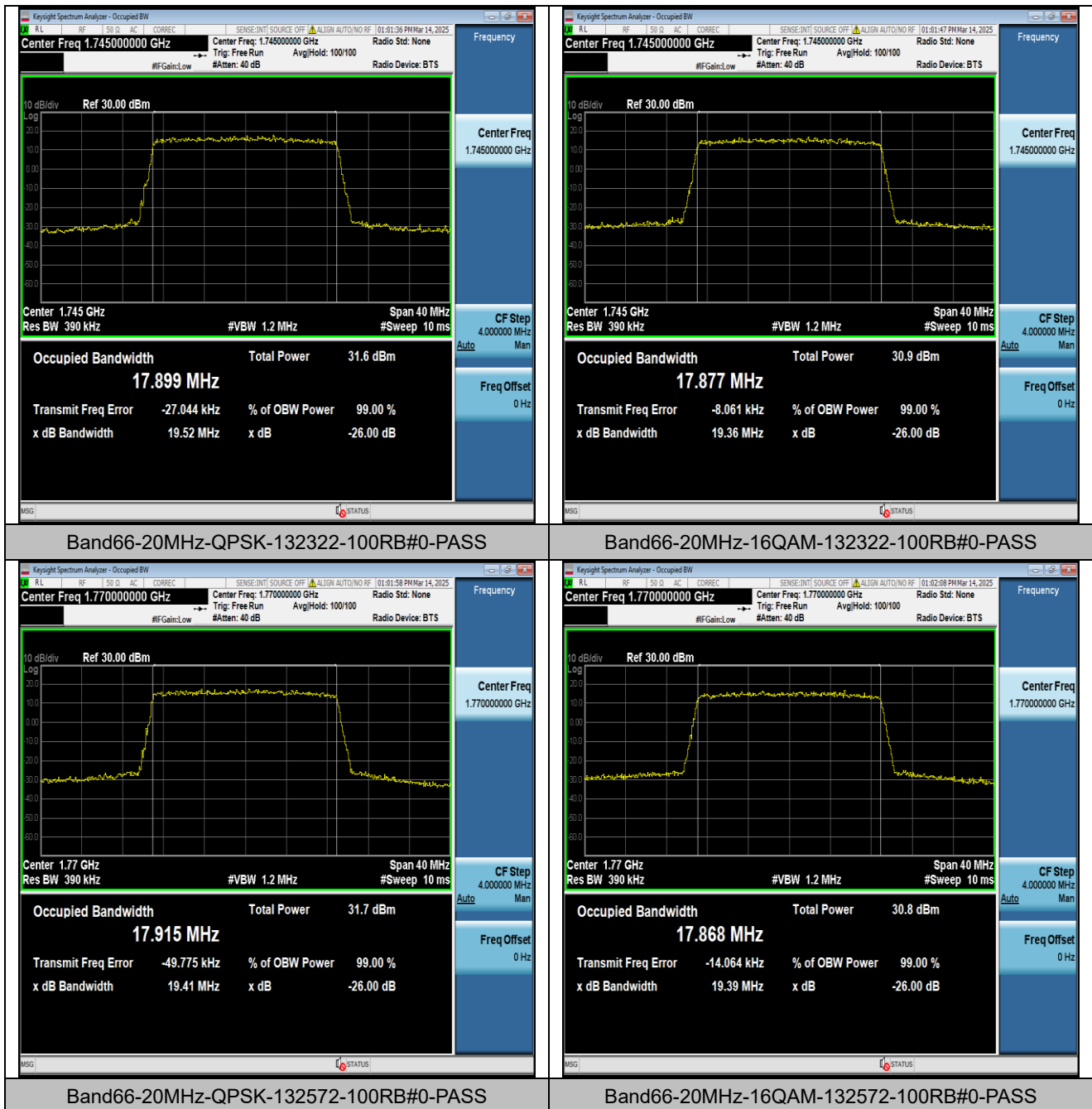






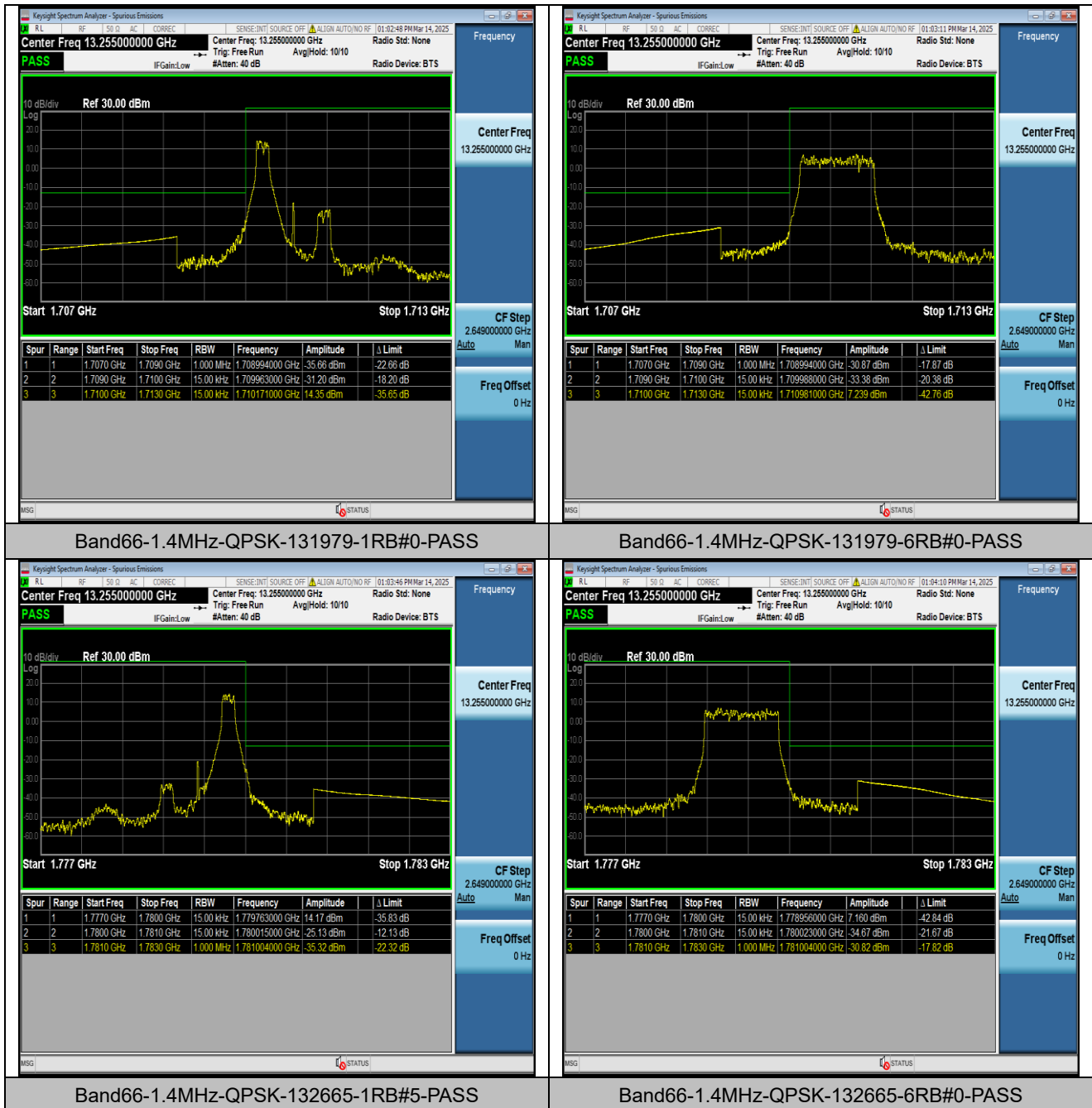


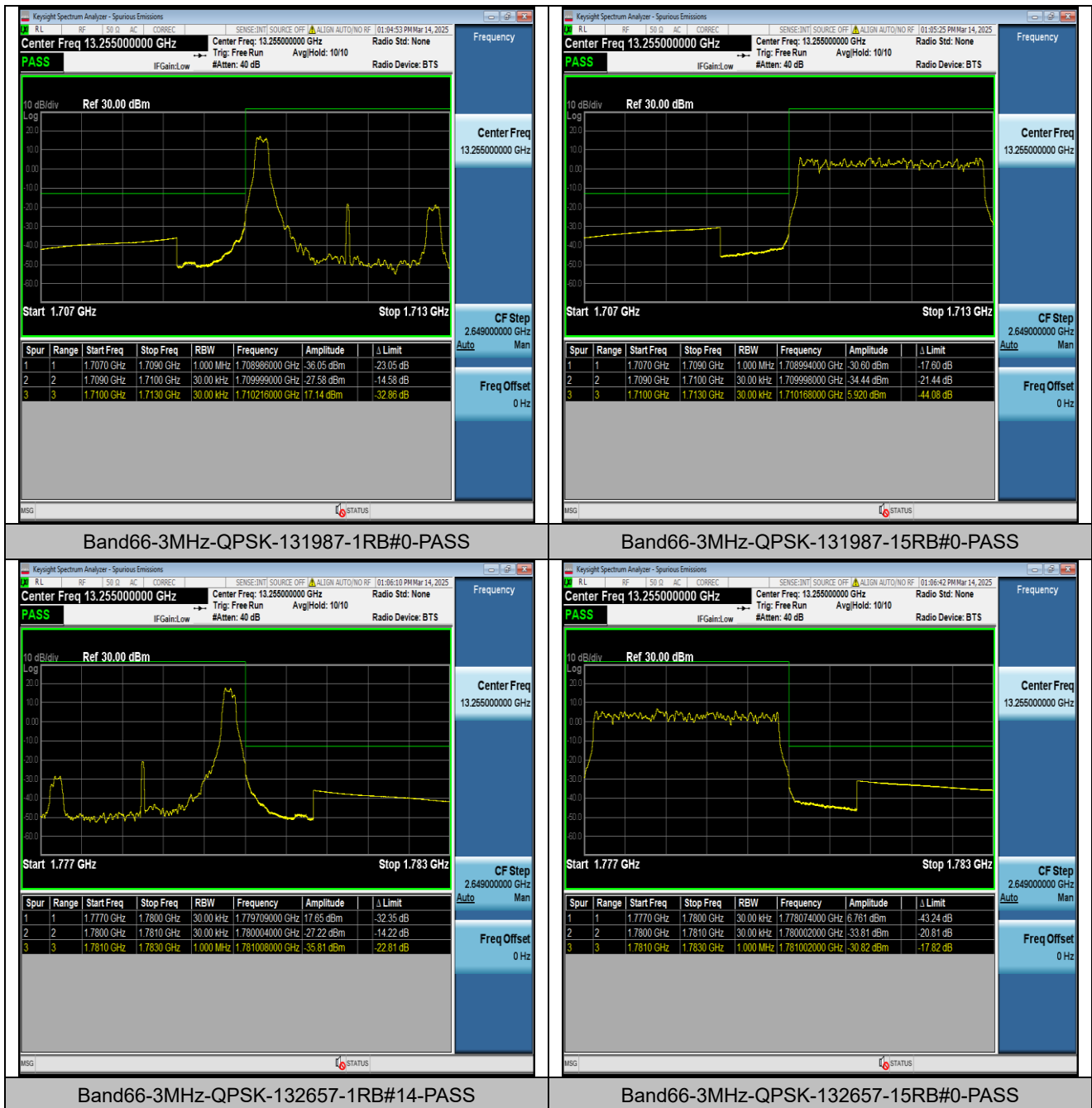


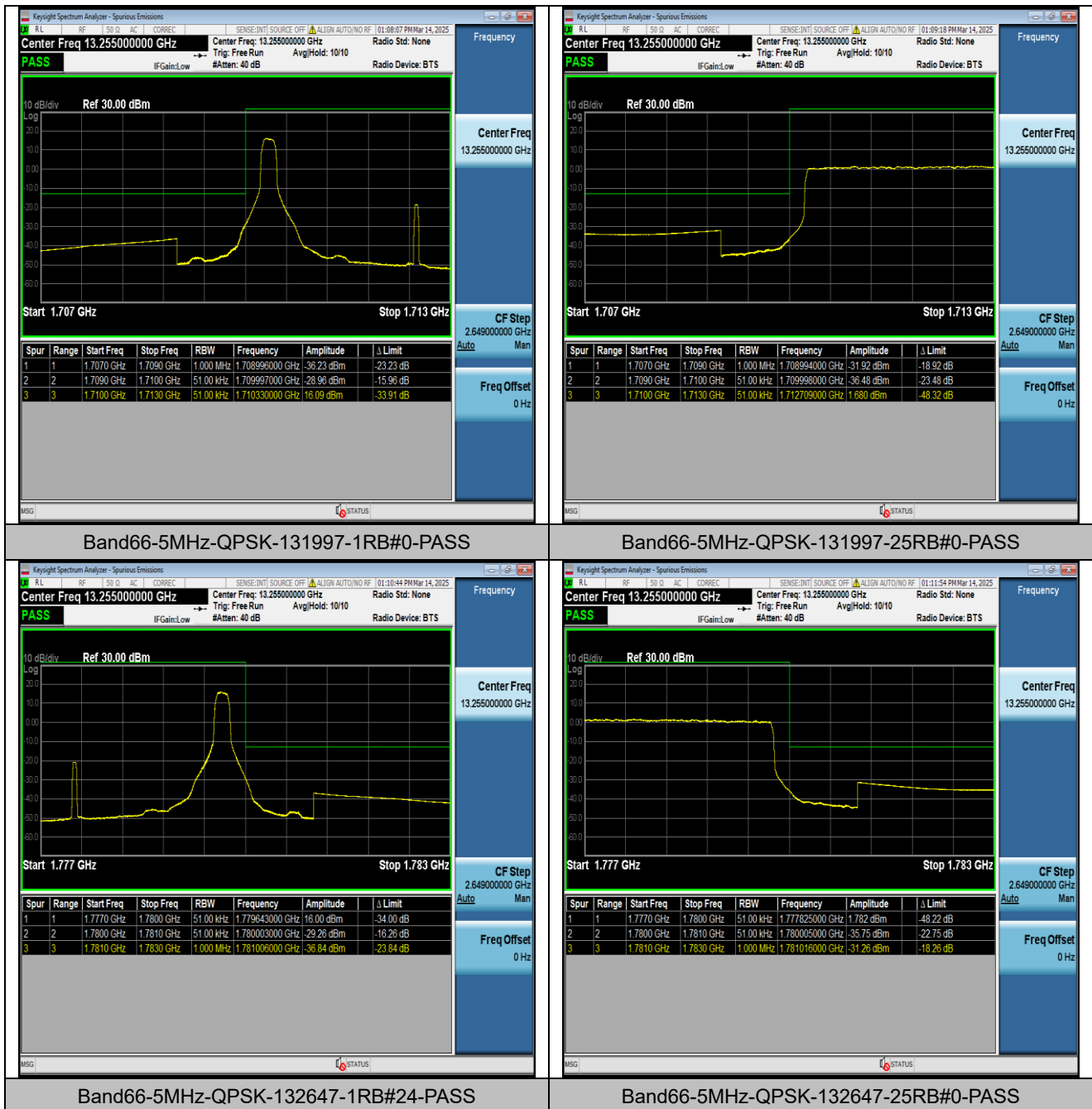


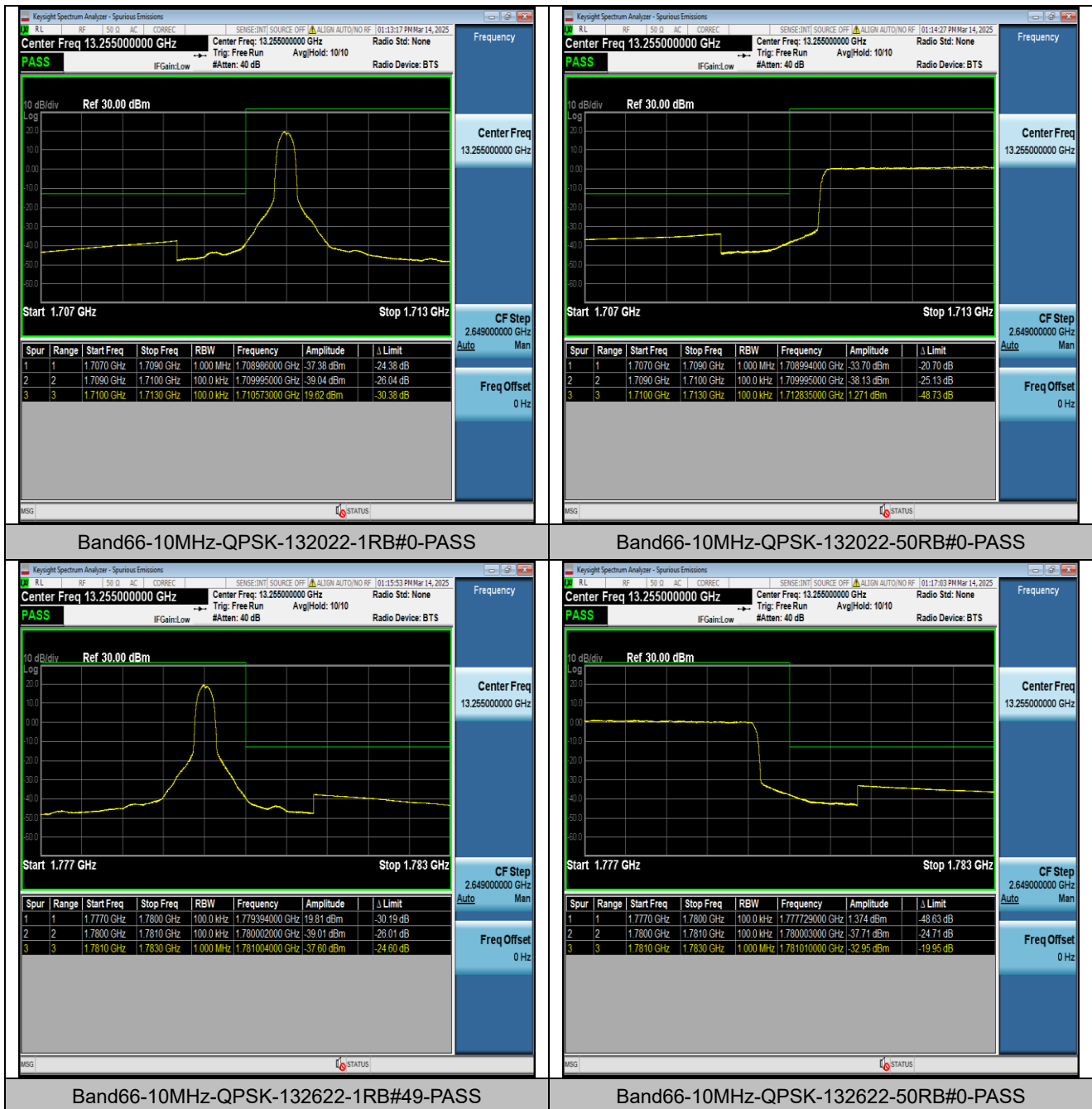
Band Edge

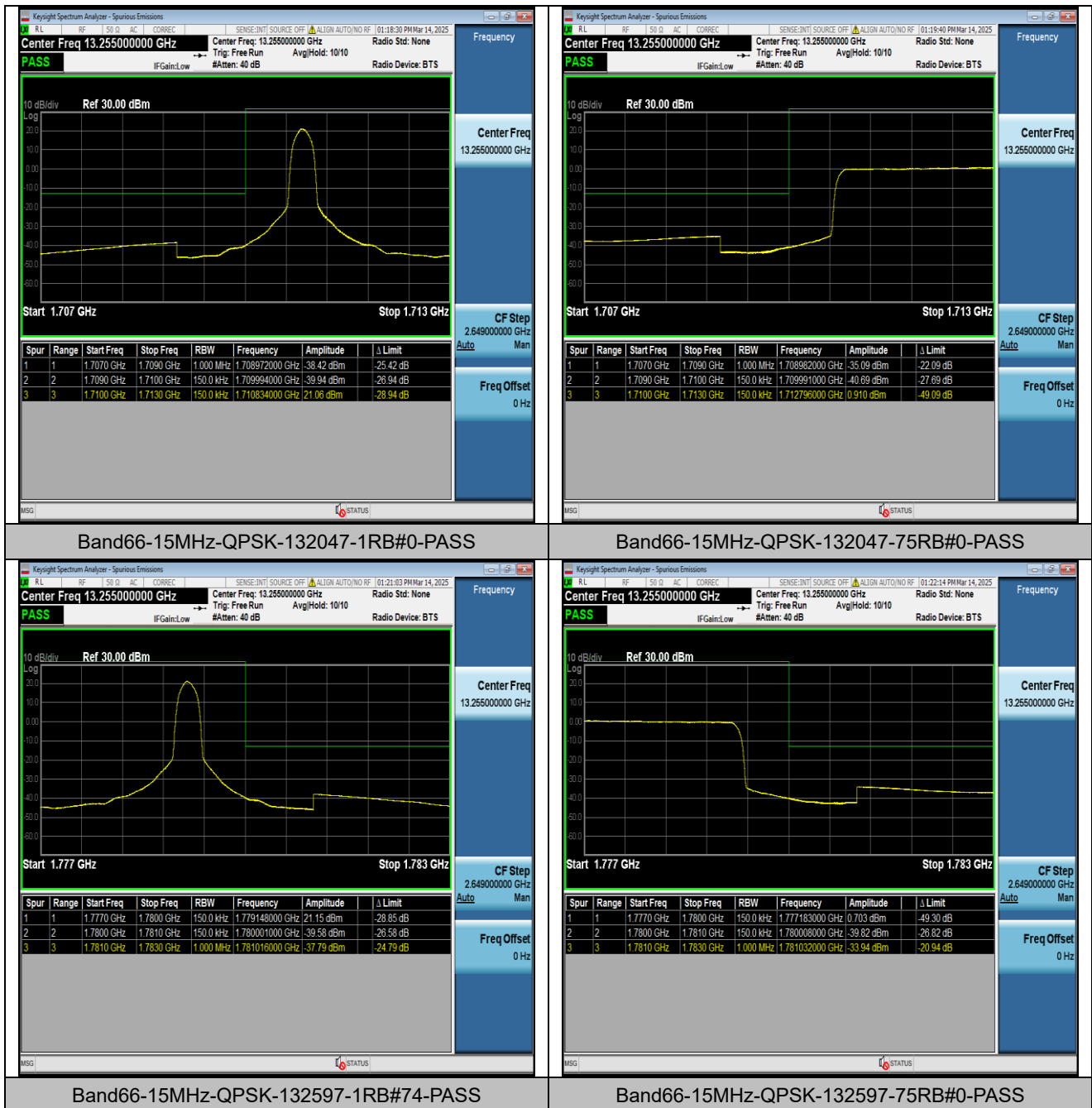
Test Graphs

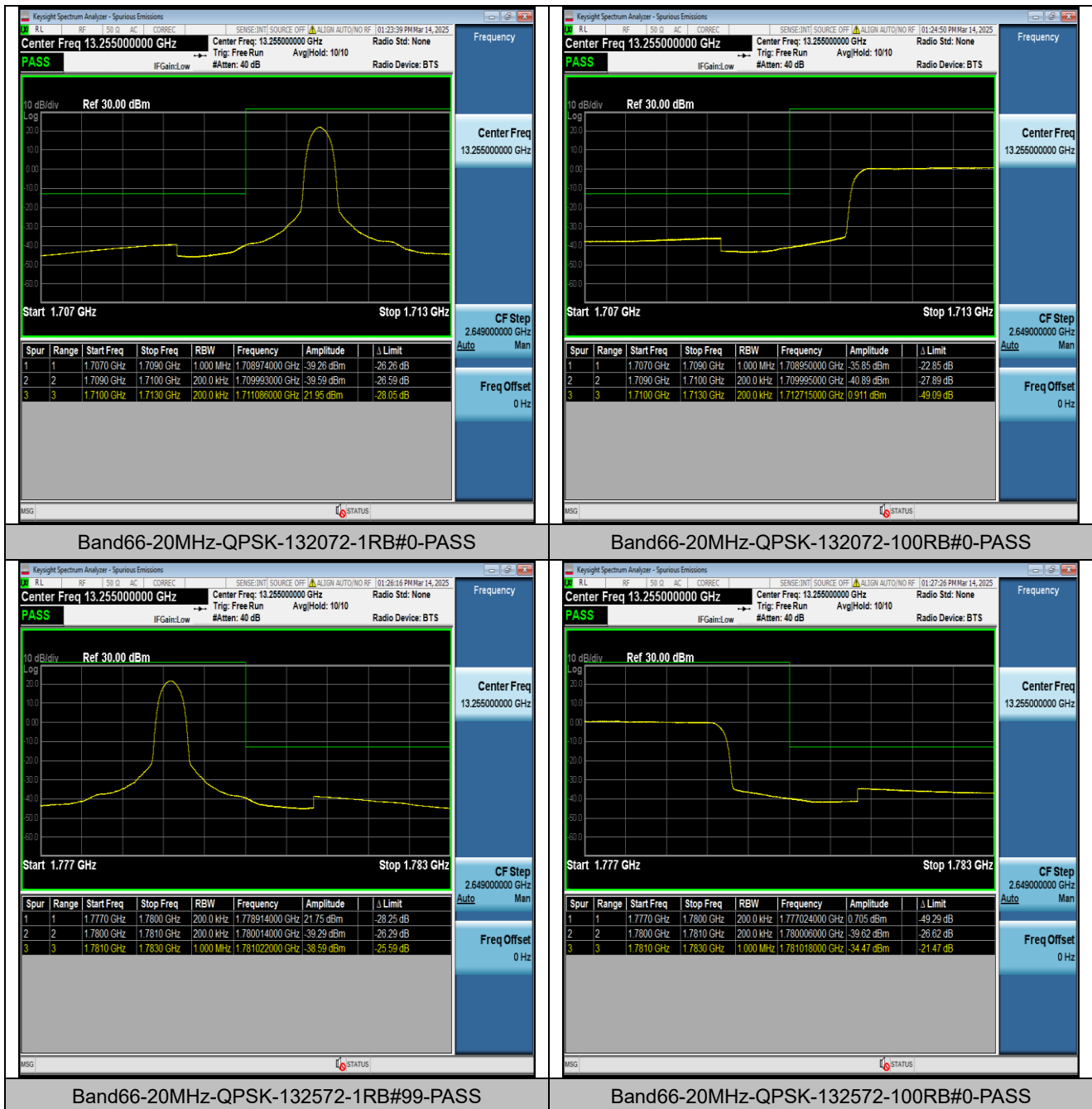






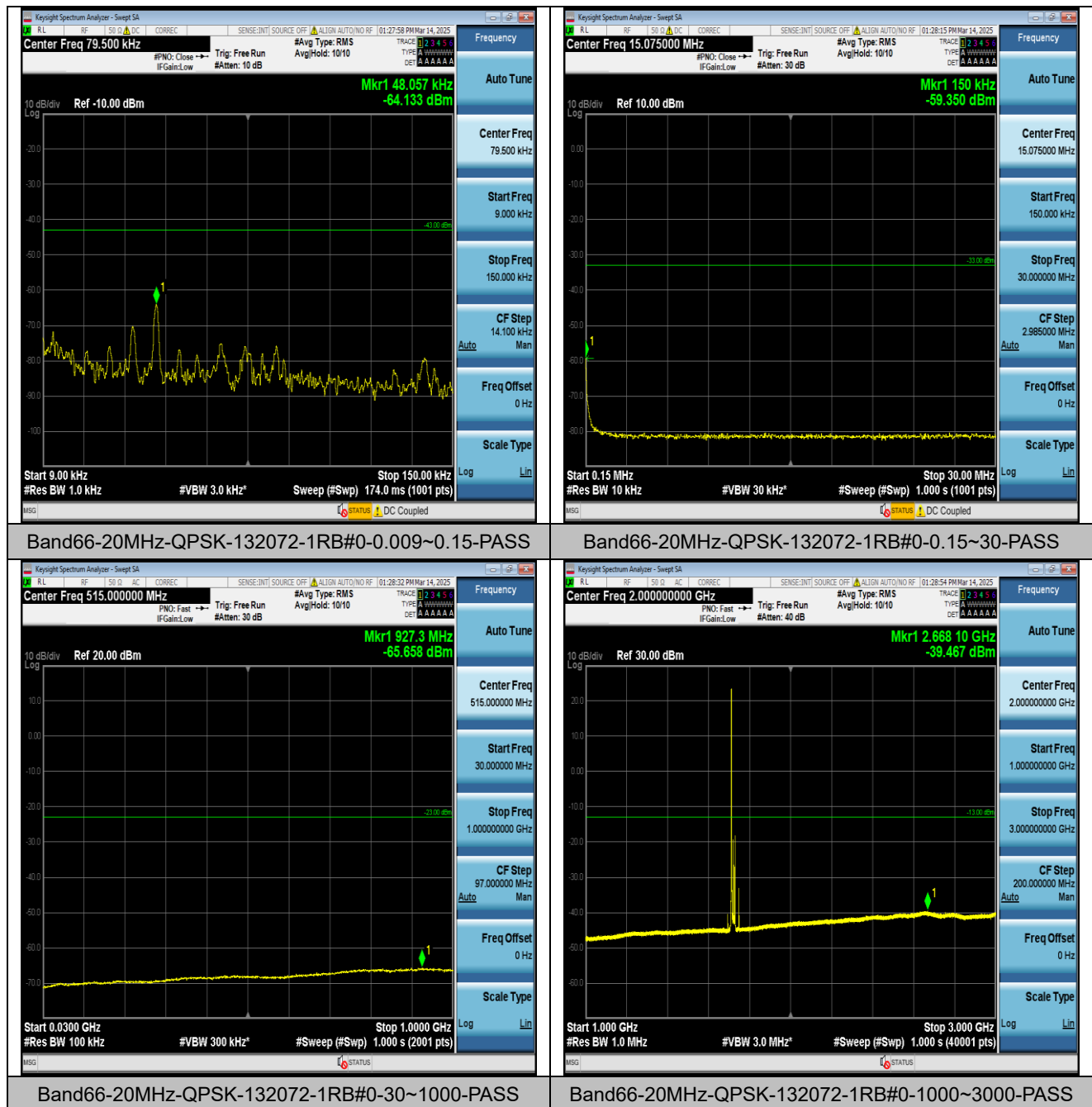


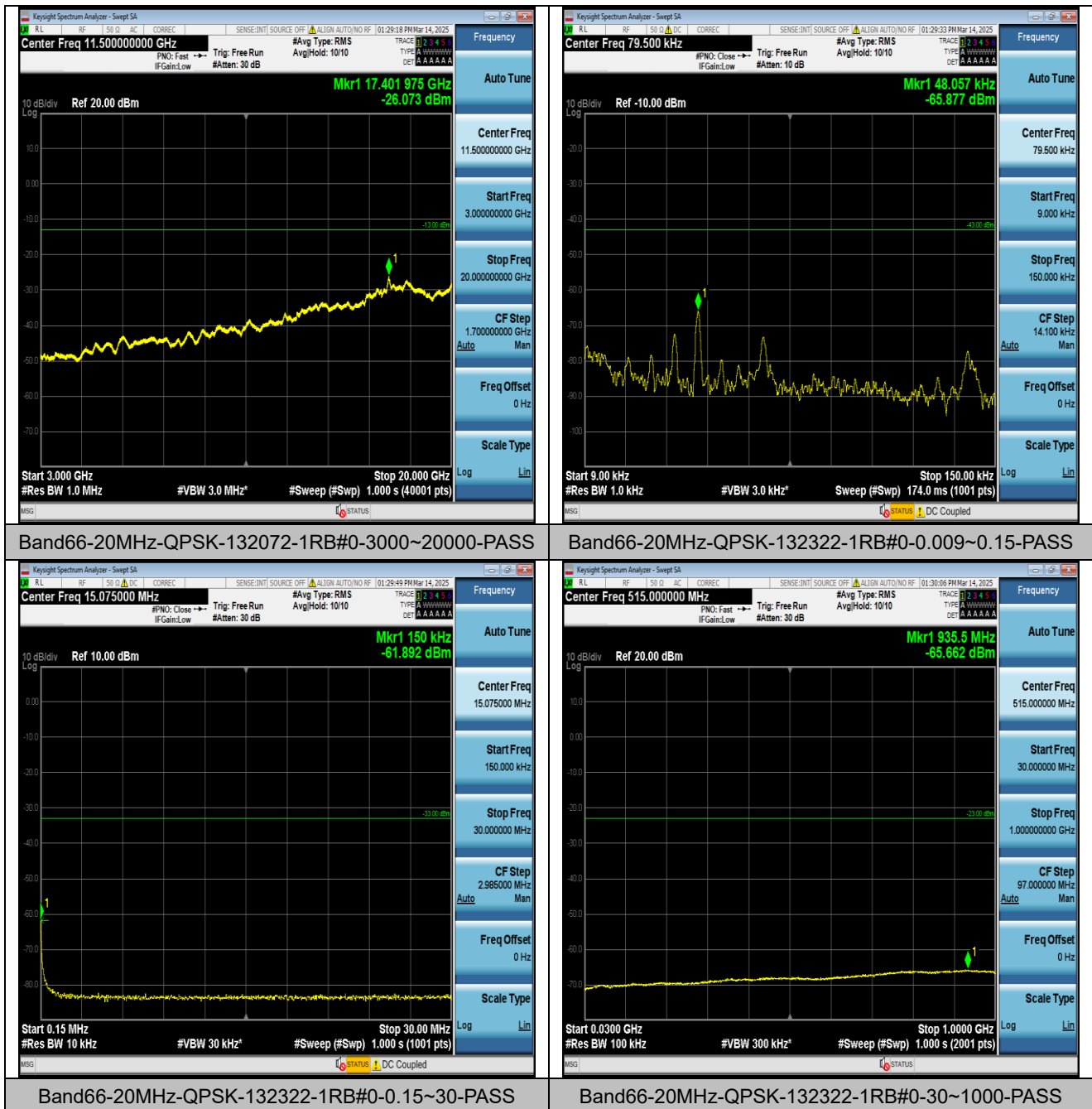




Conducted Spurious Emission

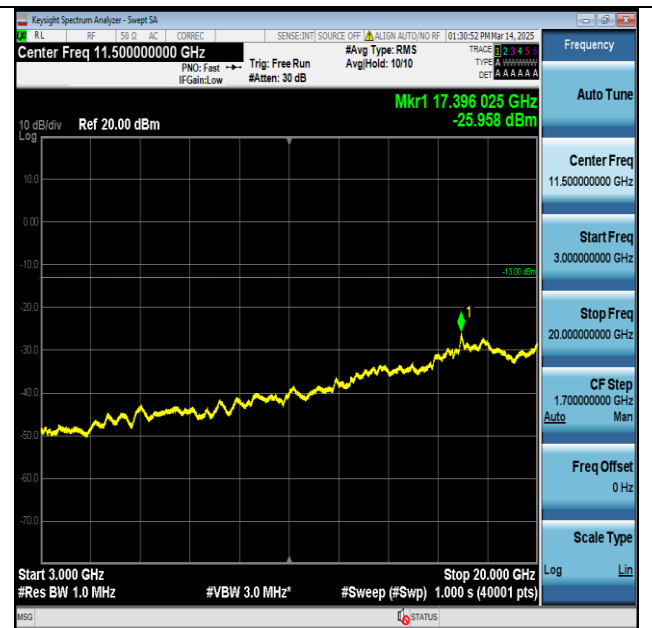
Test Graphs



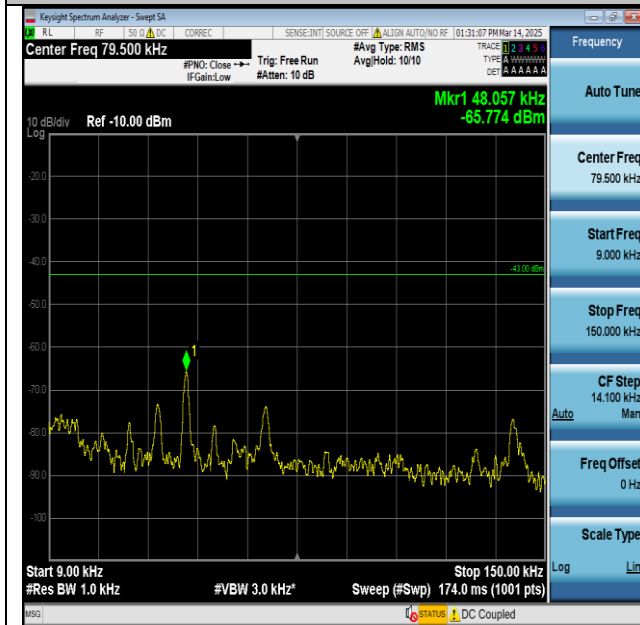




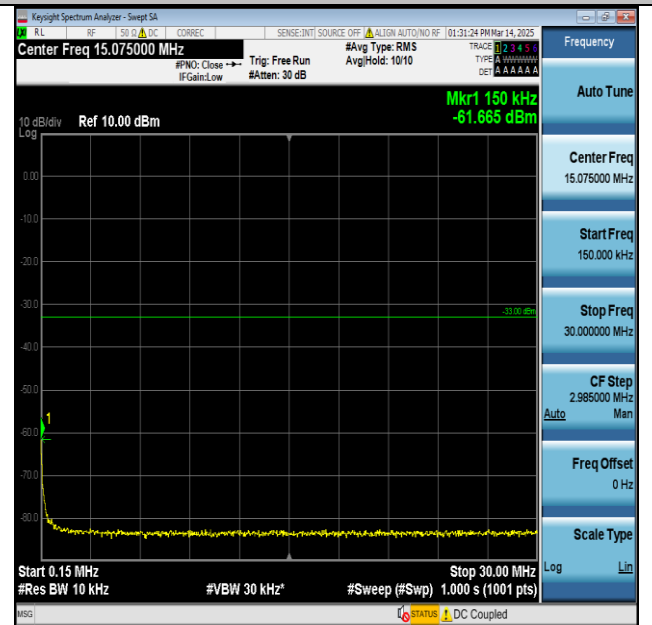
Band66-20MHz-QPSK-132322-1RB#0-1000~3000-PASS



Band66-20MHz-QPSK-132322-1RB#0-3000~20000-PASS



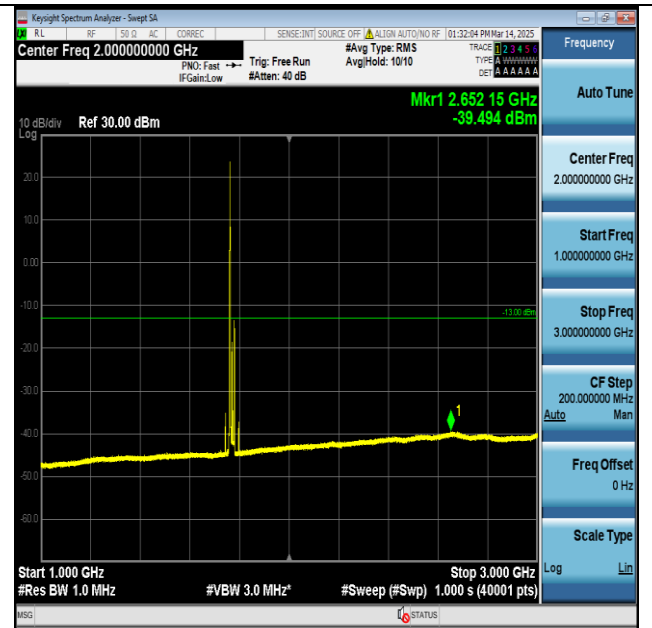
Band66-20MHz-QPSK-132572-1RB#0-0.009~0.15-PASS



Band66-20MHz-QPSK-132572-1RB#0-0.15~30-PASS



Band66-20MHz-QPSK-132572-1RB#0-30~1000-PASS



Band66-20MHz-QPSK-132572-1RB#0-1000~3000-PASS



Band66-20MHz-QPSK-132572-1RB#0-3000~20000-PASS

Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	-1.90	-0.001089	PASS
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	-1.70	-0.000974	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-1.40	-0.000802	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-3.40	-0.001948	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	-1.70	-0.000974	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-10	-2.30	-0.001318	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	-1.80	-0.001032	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	-2.50	-0.001433	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-2.40	-0.001375	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	30	-2.90	-0.001662	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	40	-3.10	-0.001777	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	50	-3.90	-0.002235	PASS

~The End~