

Appendix-B 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	23.59	25.59	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	23.66	25.66	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	23.46	25.46	30.00	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	22.72	24.72	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	23.81	25.81	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	23.72	25.72	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	23.69	25.69	30.00	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	22.85	24.85	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	23.87	25.87	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	24.23	26.23	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	23.79	25.79	30.00	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	23.00	25	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	22.44	24.44	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	23.47	25.47	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	22.55	24.55	30.00	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.74	23.74	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	23.19	25.19	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	22.89	24.89	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	22.87	24.87	30.00	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.92	23.92	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	23.01	25.01	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	23.68	25.68	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	22.90	24.9	30.00	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	22.05	24.05	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#0	23.58	25.58	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#8	23.77	25.77	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#14	23.65	25.65	30.00	PASS
Band66	3MHz	QPSK	131987	15RB#0	22.70	24.7	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#0	23.87	25.87	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#8	23.85	25.85	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#14	23.72	25.72	30.00	PASS
Band66	3MHz	QPSK	132322	15RB#0	22.78	24.78	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#0	23.81	25.81	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#8	23.87	25.87	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#14	23.66	25.66	30.00	PASS

Band66	3MHz	QPSK	132657	15RB#0	23.05	25.05	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#0	22.80	24.8	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#8	23.00	25	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#14	22.77	24.77	30.00	PASS
Band66	3MHz	16QAM	131987	15RB#0	21.70	23.7	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#0	22.46	24.46	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#8	23.60	25.6	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#14	22.61	24.61	30.00	PASS
Band66	3MHz	16QAM	132322	15RB#0	21.57	23.57	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#0	22.95	24.95	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#8	22.86	24.86	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#14	23.07	25.07	30.00	PASS
Band66	3MHz	16QAM	132657	15RB#0	22.09	24.09	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#0	23.67	25.67	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#12	23.73	25.73	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#24	23.80	25.8	30.00	PASS
Band66	5MHz	QPSK	131997	25RB#0	22.70	24.7	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#0	23.97	25.97	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#12	23.89	25.89	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#24	23.70	25.7	30.00	PASS
Band66	5MHz	QPSK	132322	25RB#0	22.73	24.73	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#0	23.66	25.66	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#12	23.99	25.99	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#24	23.81	25.81	30.00	PASS
Band66	5MHz	QPSK	132647	25RB#0	22.97	24.97	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#0	22.72	24.72	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#12	22.72	24.72	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#24	22.70	24.7	30.00	PASS
Band66	5MHz	16QAM	131997	25RB#0	21.97	23.97	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#0	22.69	24.69	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#12	23.35	25.35	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#24	22.93	24.93	30.00	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.76	23.76	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#0	22.83	24.83	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#12	23.03	25.03	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#24	22.93	24.93	30.00	PASS
Band66	5MHz	16QAM	132647	25RB#0	22.08	24.08	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#0	23.72	25.72	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#24	23.71	25.71	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#49	23.76	25.76	30.00	PASS
Band66	10MHz	QPSK	132022	50RB#0	22.90	24.9	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#0	23.92	25.92	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#24	23.69	25.69	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#49	23.73	25.73	30.00	PASS

Band66	10MHz	QPSK	132322	50RB#0	23.01	25.01	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#0	23.73	25.73	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#24	23.93	25.93	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#49	23.72	25.72	30.00	PASS
Band66	10MHz	QPSK	132622	50RB#0	22.90	24.9	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#0	22.86	24.86	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#24	23.37	25.37	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#49	22.96	24.96	30.00	PASS
Band66	10MHz	16QAM	132022	50RB#0	21.92	23.92	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#0	22.83	24.83	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#24	23.75	25.75	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#49	22.66	24.66	30.00	PASS
Band66	10MHz	16QAM	132322	50RB#0	21.90	23.9	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#0	22.88	24.88	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#24	23.03	25.03	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#49	23.02	25.02	30.00	PASS
Band66	10MHz	16QAM	132622	50RB#0	21.88	23.88	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#0	23.50	25.5	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#38	23.95	25.95	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#74	23.88	25.88	30.00	PASS
Band66	15MHz	QPSK	132047	75RB#0	22.82	24.82	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#0	23.77	25.77	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.82	25.82	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#74	23.67	25.67	30.00	PASS
Band66	15MHz	QPSK	132322	75RB#0	22.81	24.81	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#0	23.84	25.84	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#38	23.82	25.82	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#74	23.70	25.7	30.00	PASS
Band66	15MHz	QPSK	132597	75RB#0	22.86	24.86	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#0	22.70	24.7	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#38	23.30	25.3	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#74	22.87	24.87	30.00	PASS
Band66	15MHz	16QAM	132047	75RB#0	21.86	23.86	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#0	22.97	24.97	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#38	23.11	25.11	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#74	22.75	24.75	30.00	PASS
Band66	15MHz	16QAM	132322	75RB#0	21.90	23.9	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#0	22.76	24.76	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#38	22.62	24.62	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#74	22.87	24.87	30.00	PASS
Band66	15MHz	16QAM	132597	75RB#0	21.90	23.9	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#0	23.59	25.59	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#49	23.69	25.69	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#99	23.83	25.83	30.00	PASS

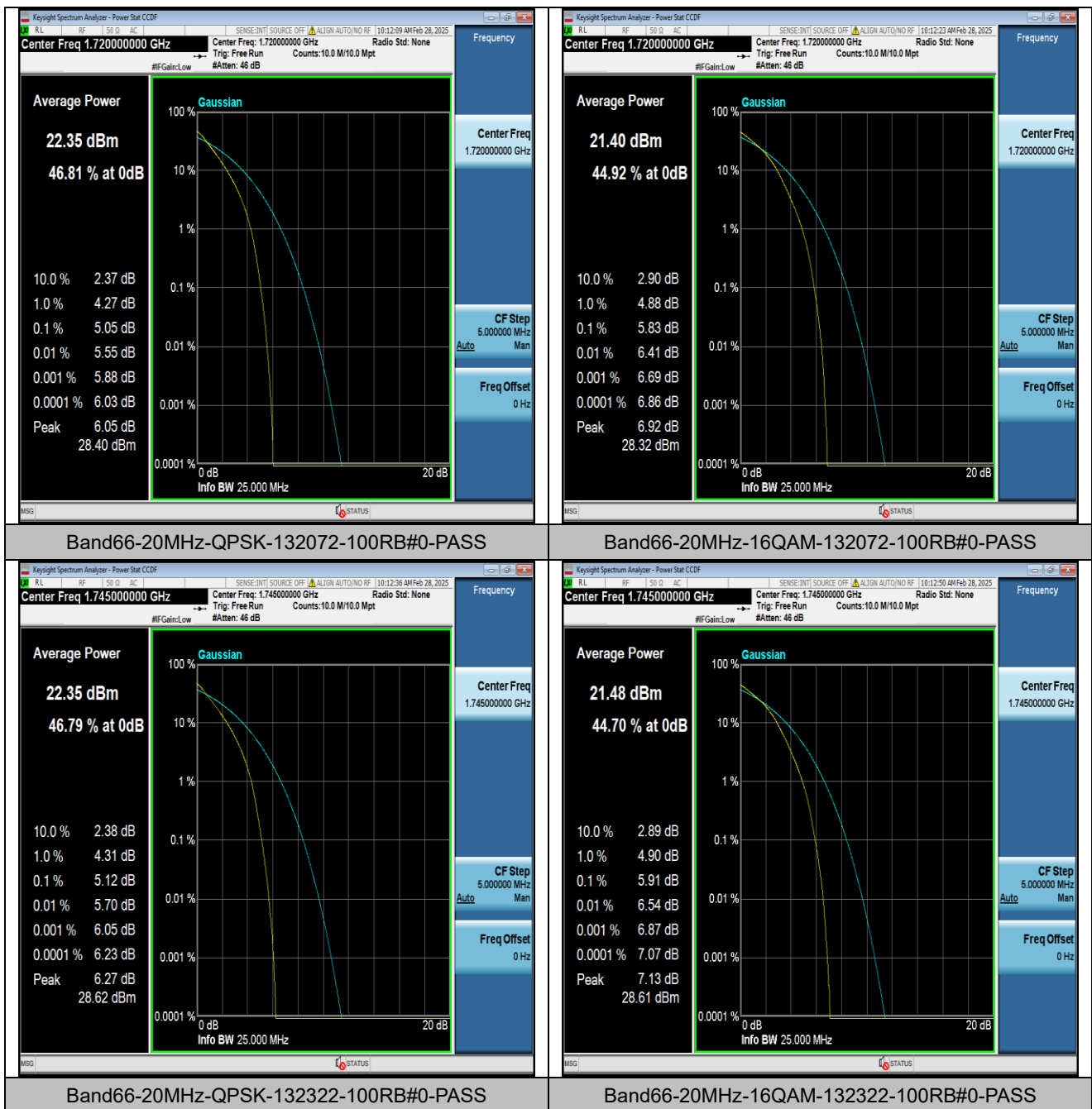
Band66	20MHz	QPSK	132072	100RB#0	22.75	24.75	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#0	23.98	25.98	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.97	25.97	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#99	23.91	25.91	30.00	PASS
Band66	20MHz	QPSK	132322	100RB#0	22.91	24.91	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#0	23.87	25.87	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#49	23.82	25.82	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#99	23.66	25.66	30.00	PASS
Band66	20MHz	QPSK	132572	100RB#0	22.85	24.85	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#0	22.60	24.6	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#49	23.19	25.19	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#99	22.78	24.78	30.00	PASS
Band66	20MHz	16QAM	132072	100RB#0	21.72	23.72	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#0	23.33	25.33	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#49	22.81	24.81	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#99	23.61	25.61	30.00	PASS
Band66	20MHz	16QAM	132322	100RB#0	21.91	23.91	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#0	22.73	24.73	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#49	22.69	24.69	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#99	22.85	24.85	30.00	PASS
Band66	20MHz	16QAM	132572	100RB#0	21.96	23.96	30.00	PASS

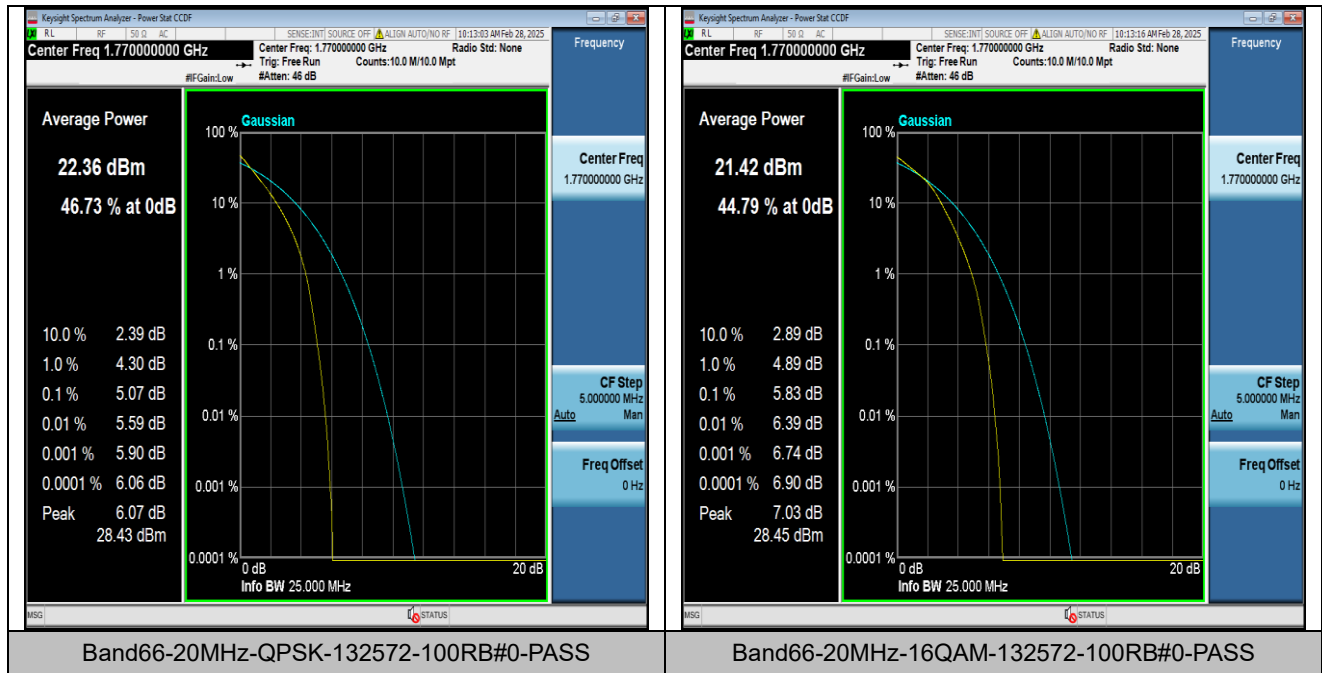
Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	5.05	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	5.83	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.12	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	5.91	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.07	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	5.83	13	PASS

Test Graphs



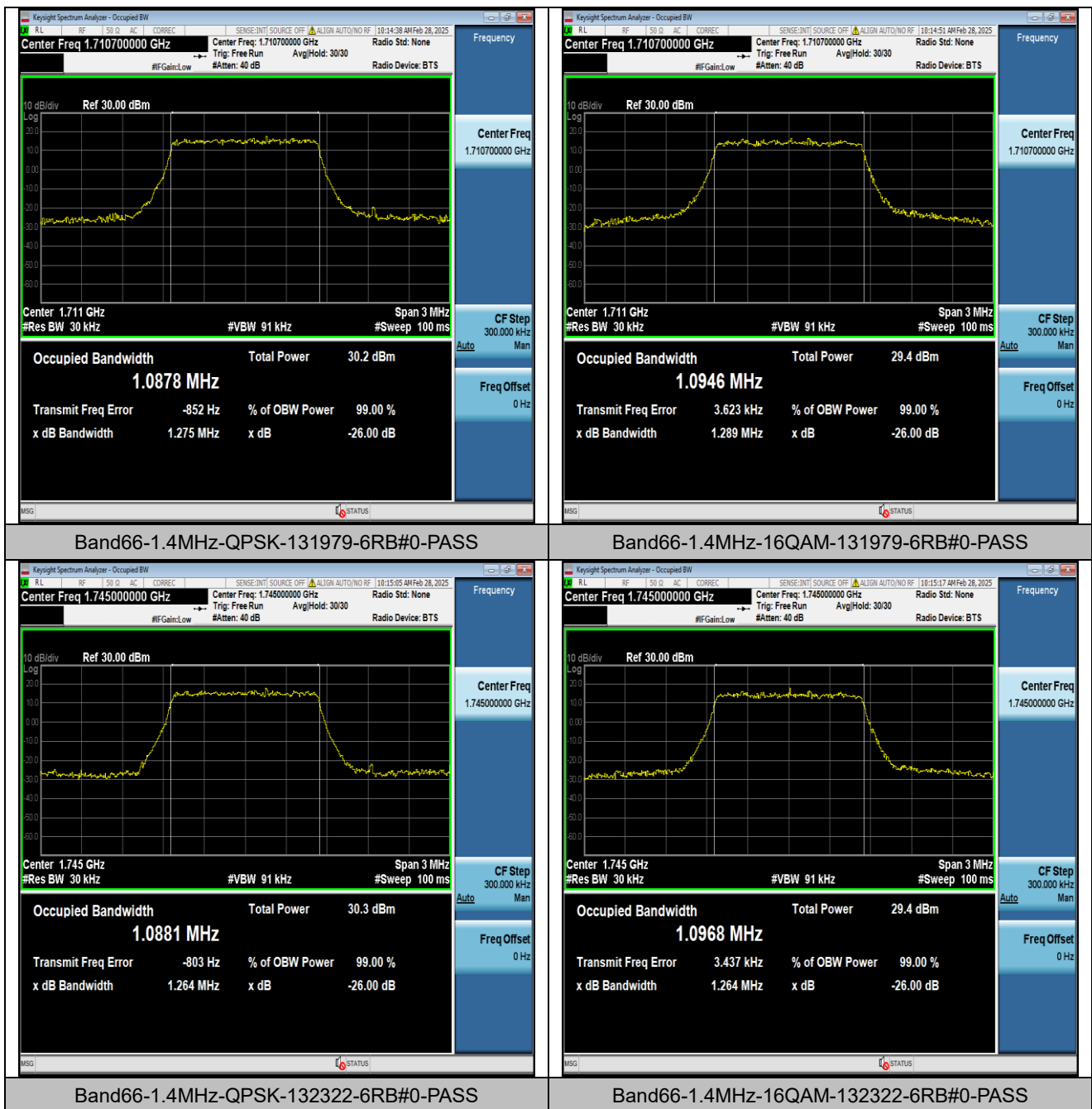


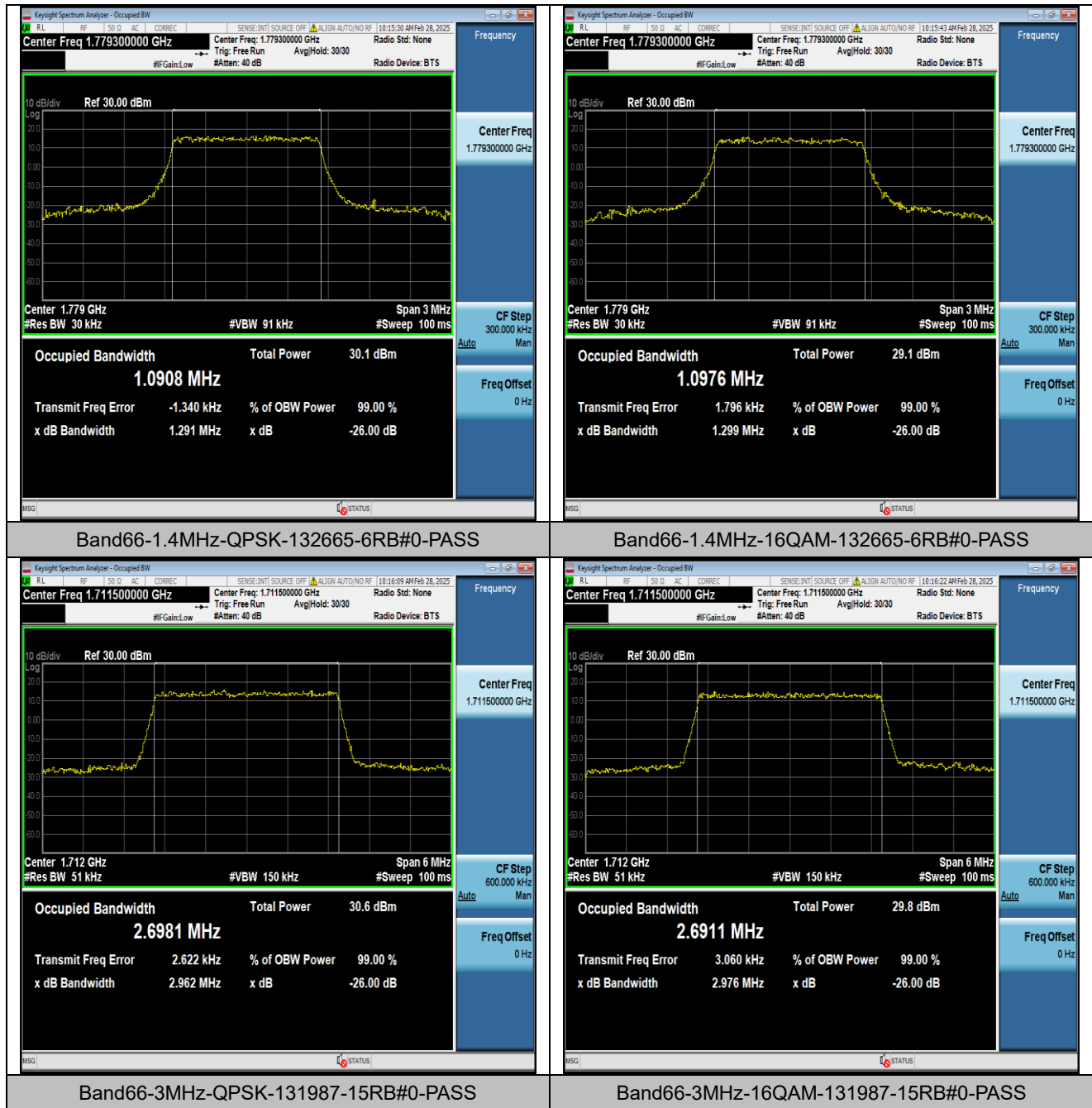
26dB Bandwidth and Occupied Bandwidth

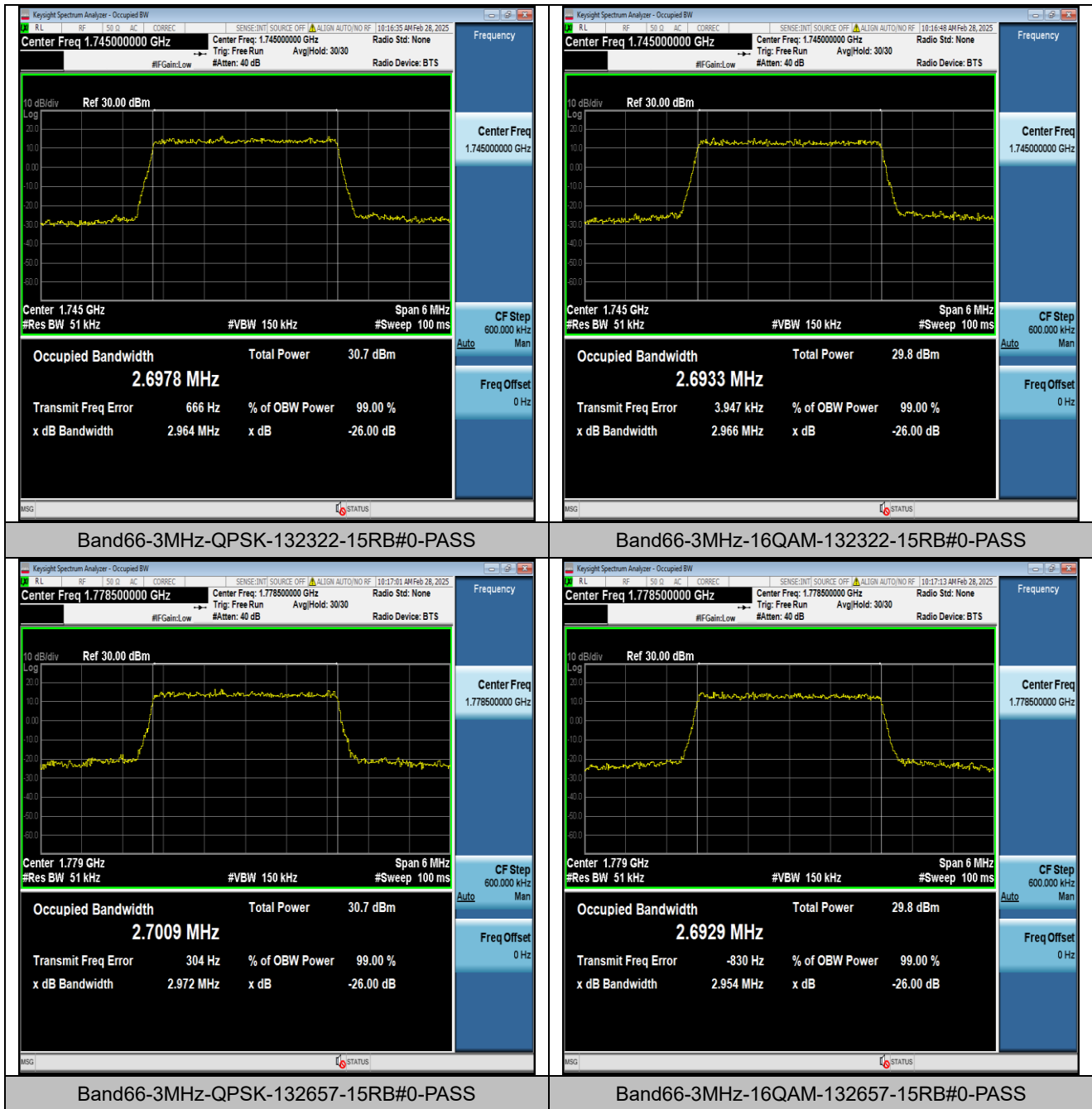
Test Result

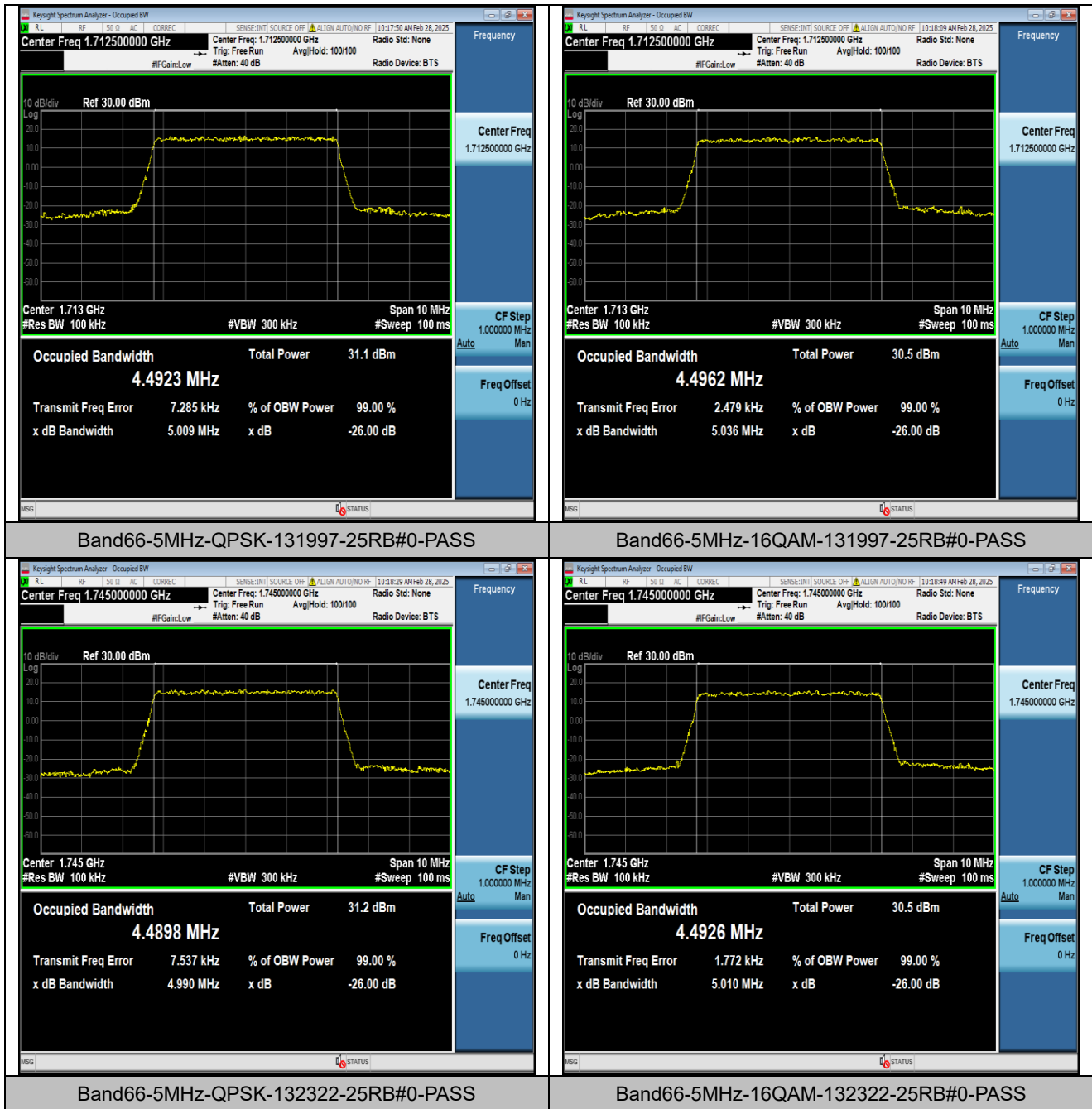
Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.0878	1.275	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.0946	1.289	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0881	1.264	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.0968	1.264	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.0908	1.291	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.0976	1.299	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.6981	2.962	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.6911	2.976	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.6978	2.964	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.6933	2.966	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.7009	2.972	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.6929	2.954	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.4923	5.009	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.4962	5.036	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.4898	4.990	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.4926	5.010	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.4925	5.010	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.4915	5.022	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.9526	9.827	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.9308	9.827	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.9690	9.830	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.9310	9.836	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.9584	9.848	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.9396	9.834	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.426	14.69	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.413	14.58	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.442	14.71	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.416	14.75	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.472	14.71	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.436	14.83	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.941	19.46	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.876	19.47	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.922	19.53	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.873	19.40	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.958	19.54	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.906	19.43	PASS

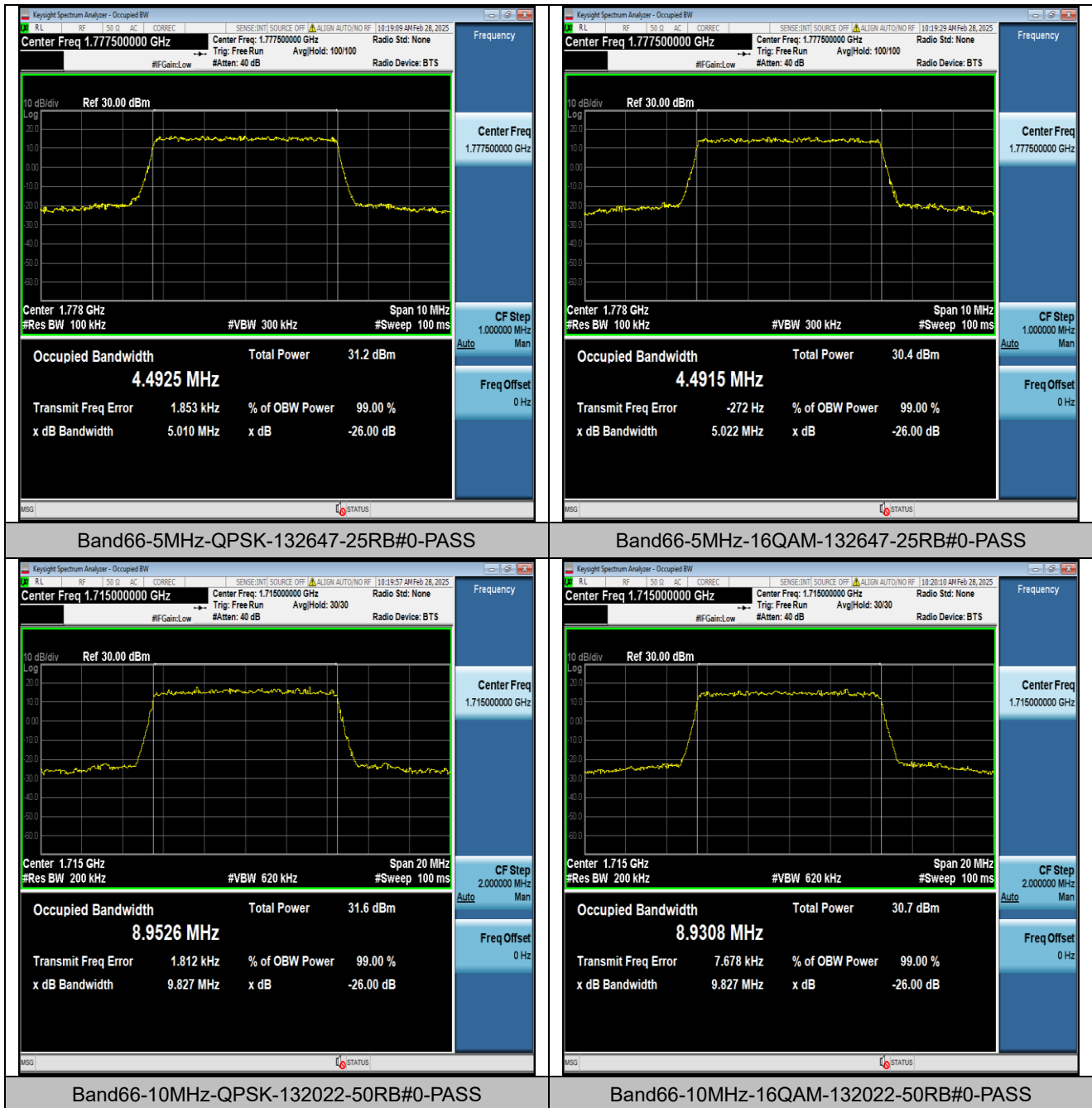
Test Graphs

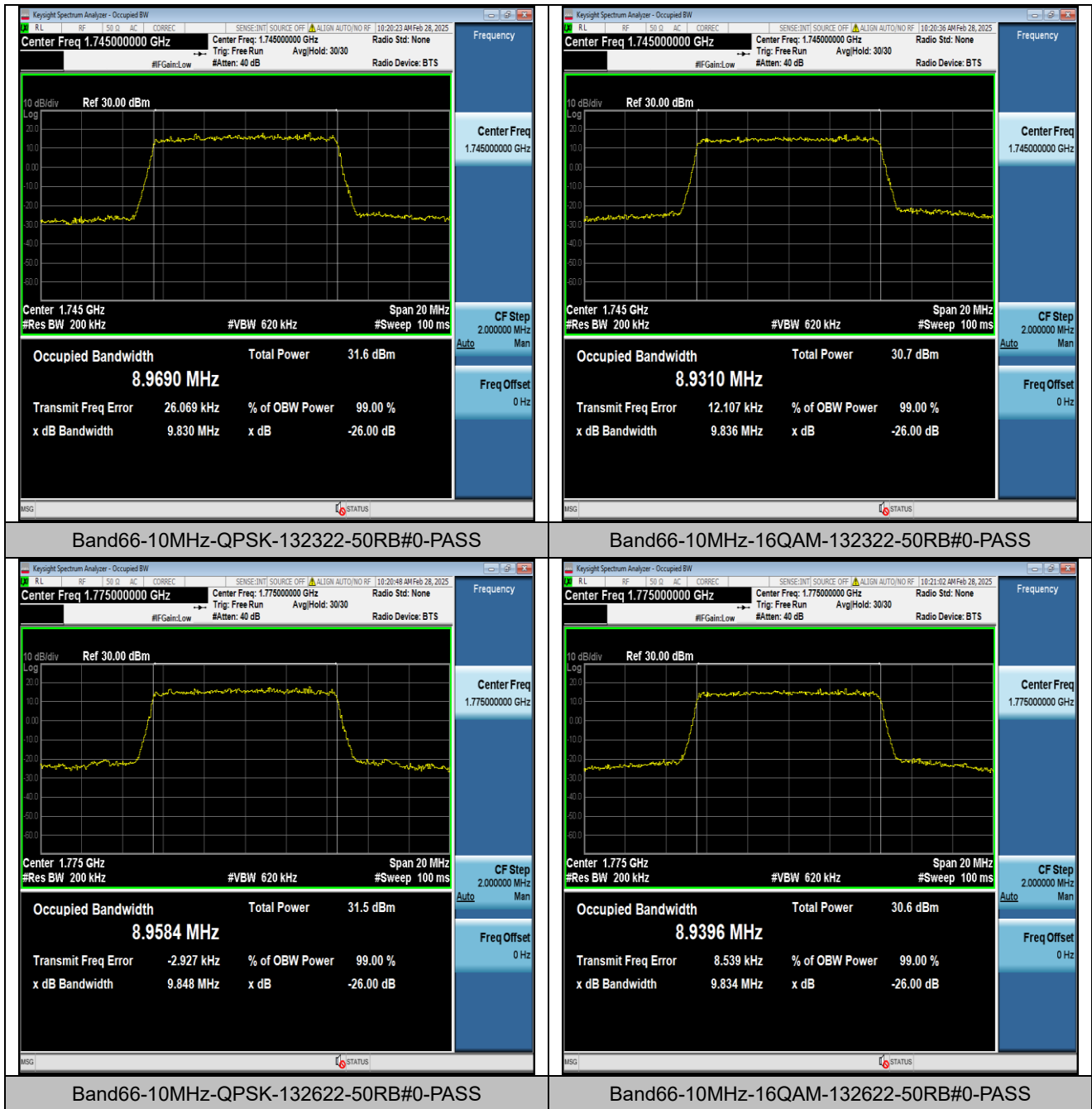


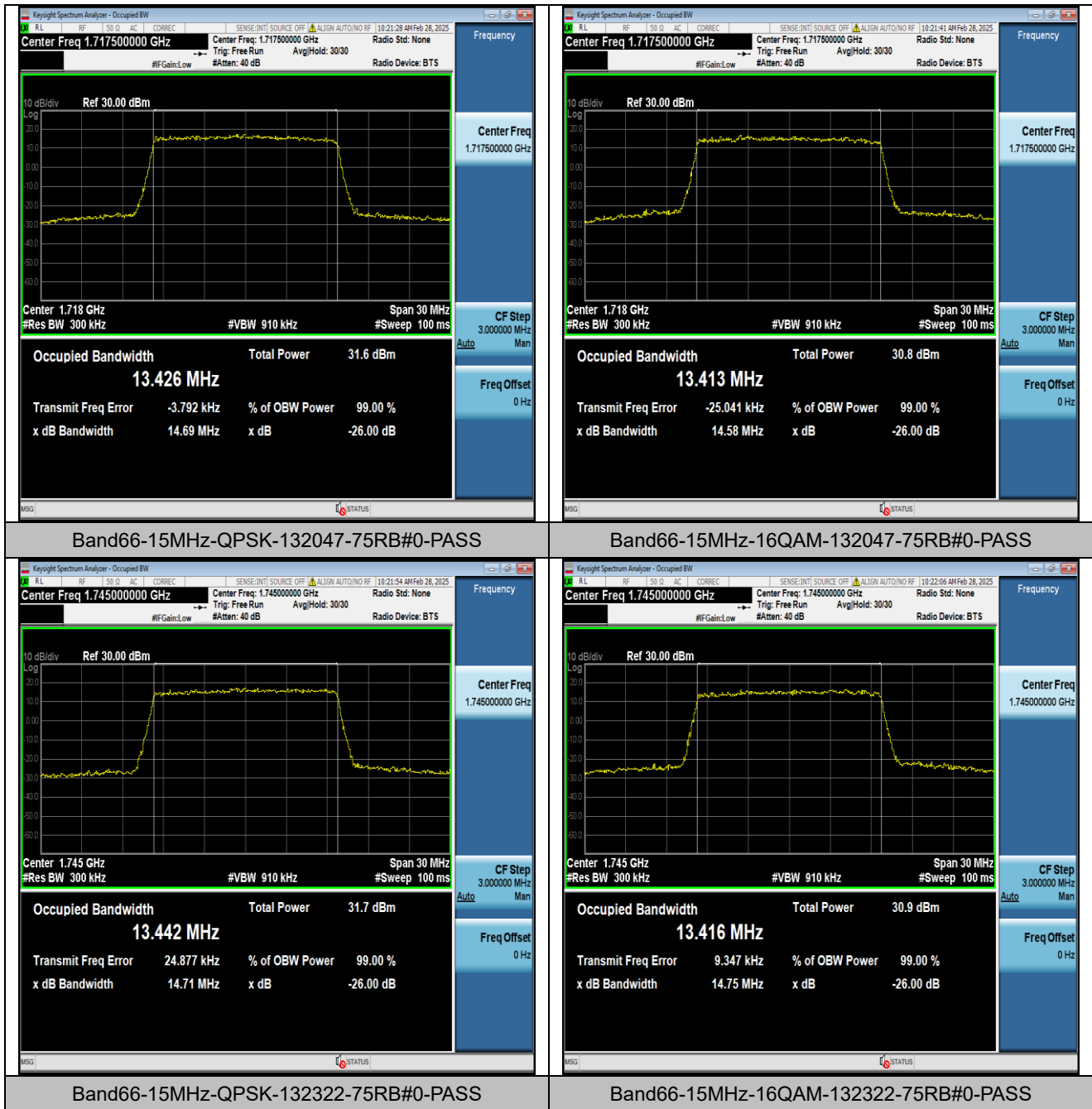


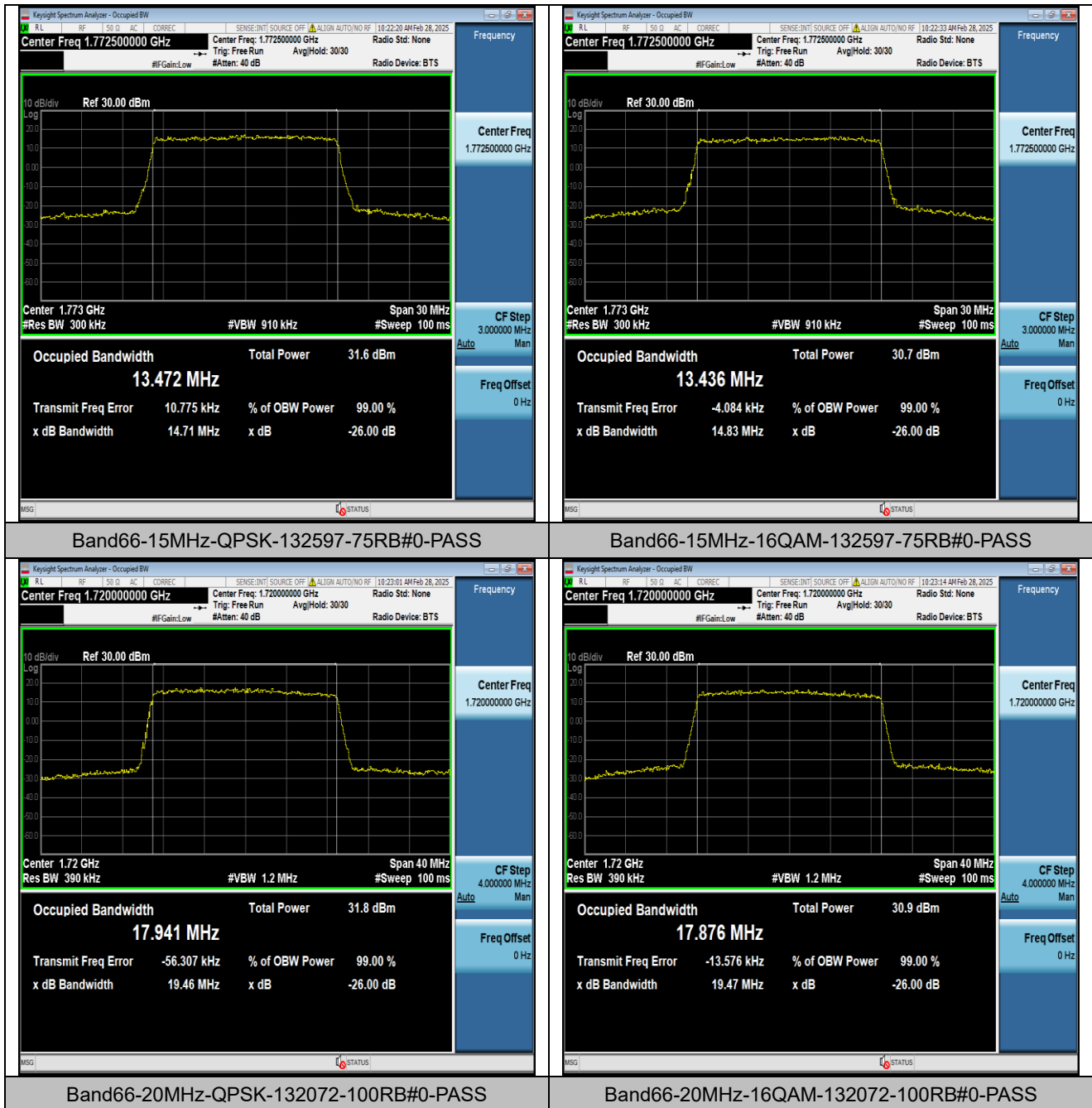


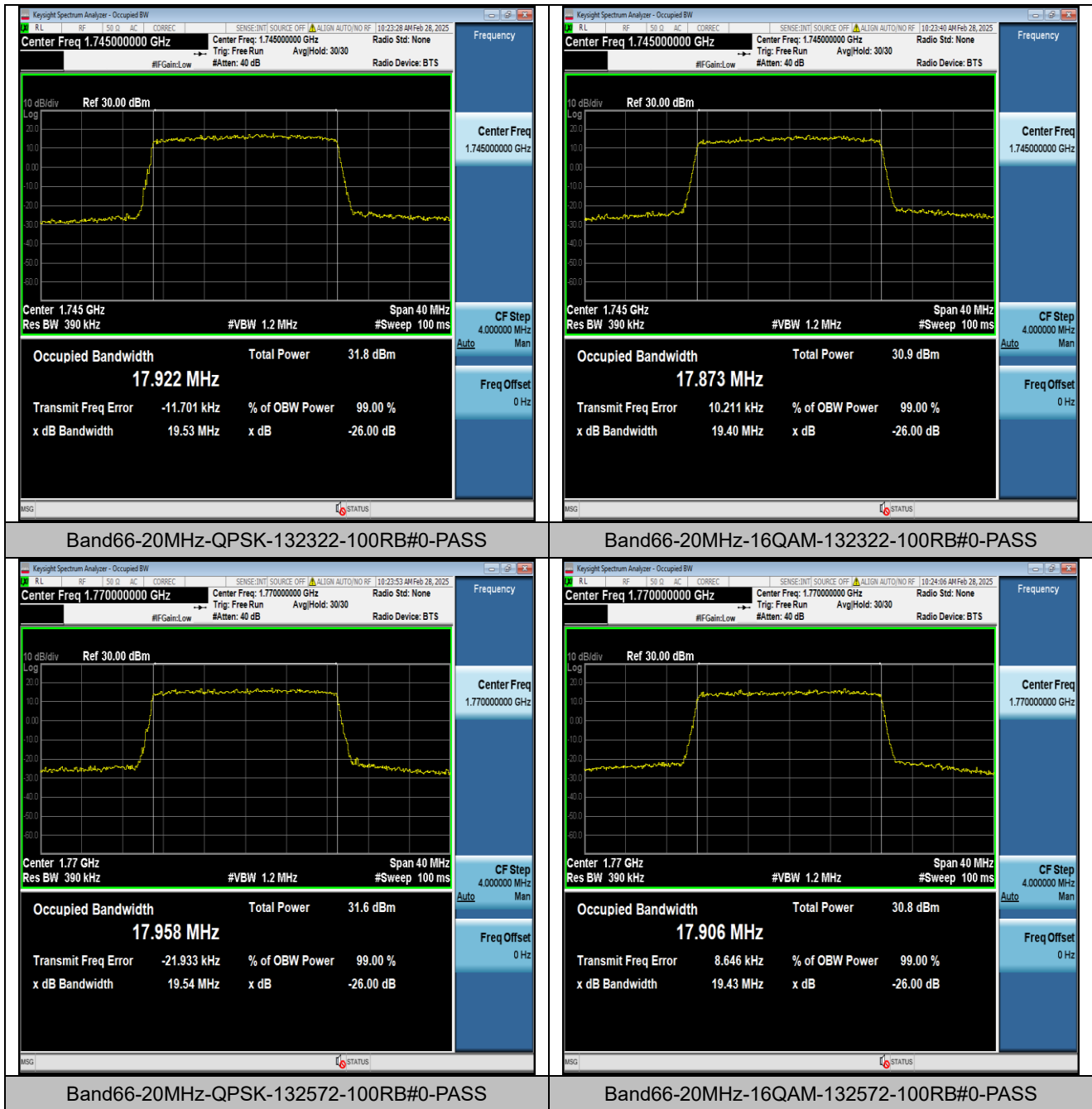






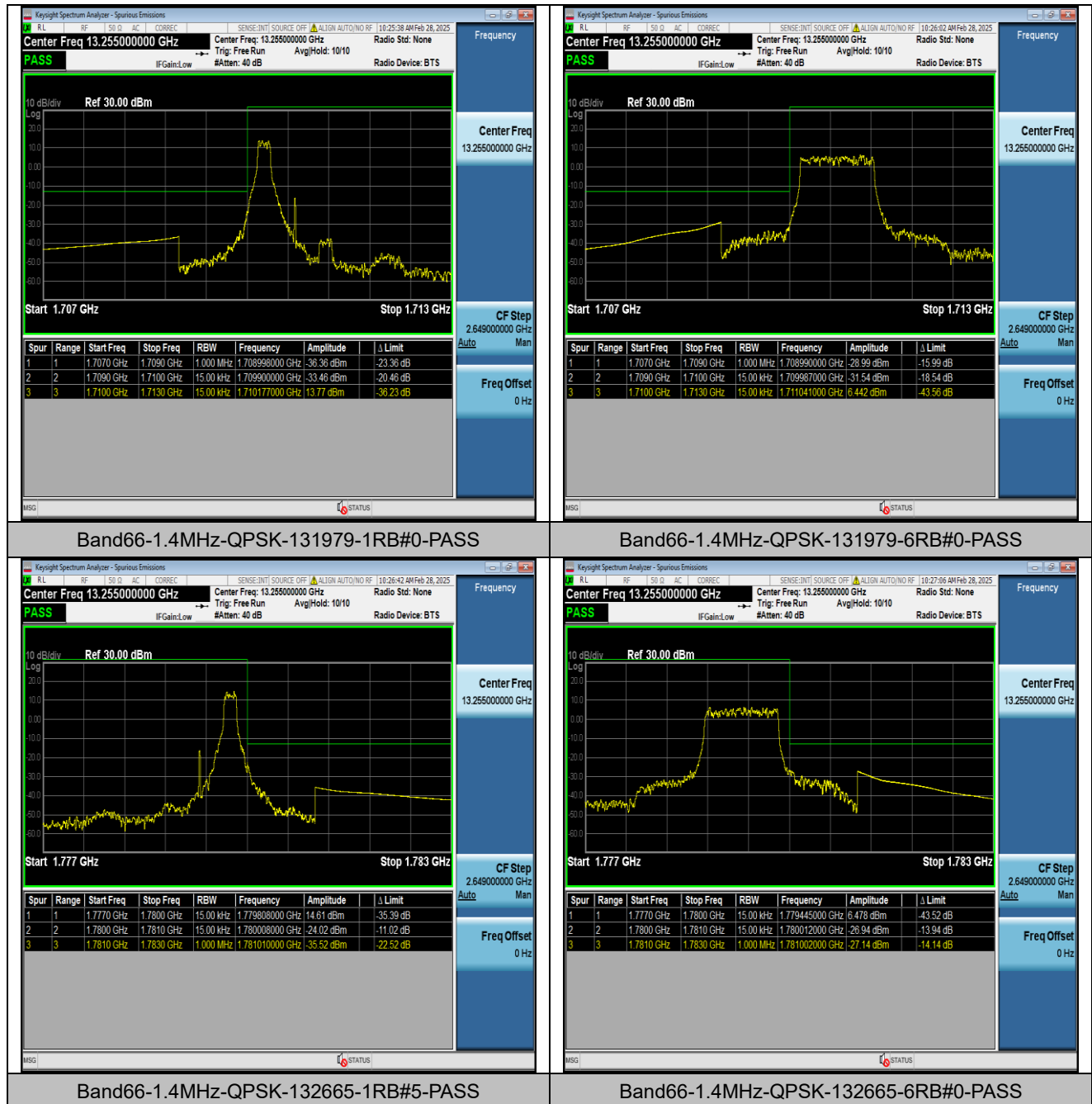


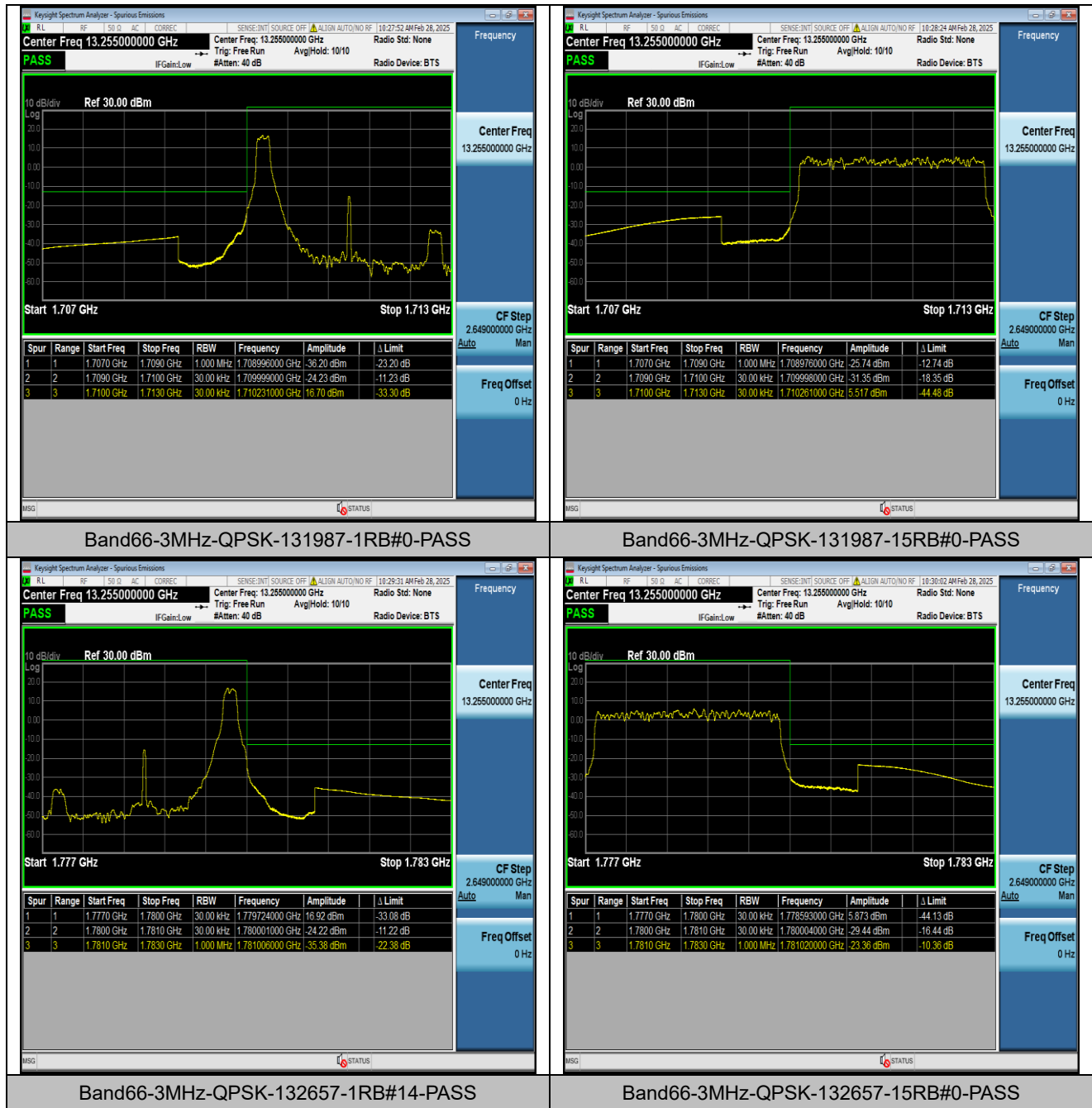


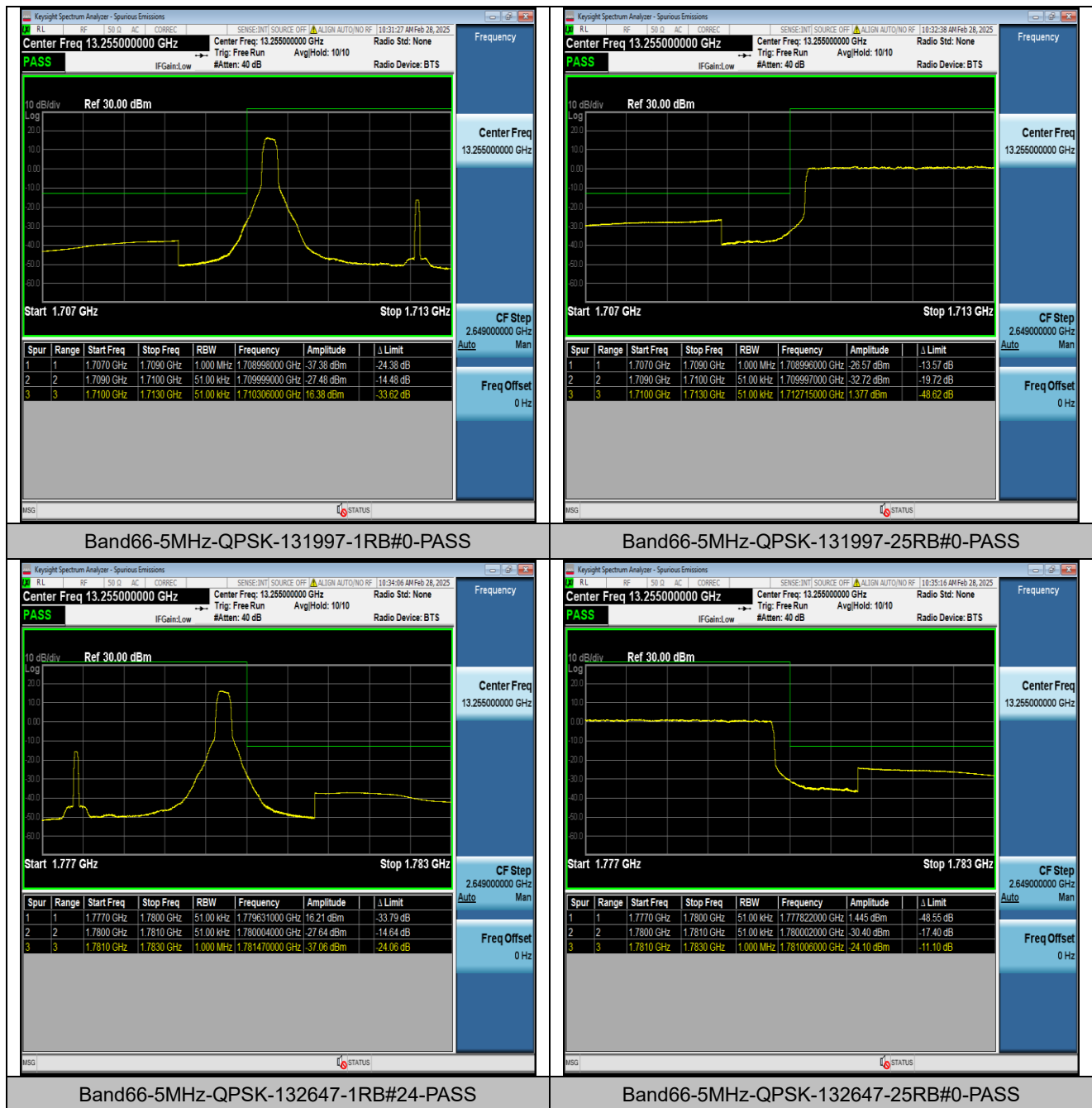


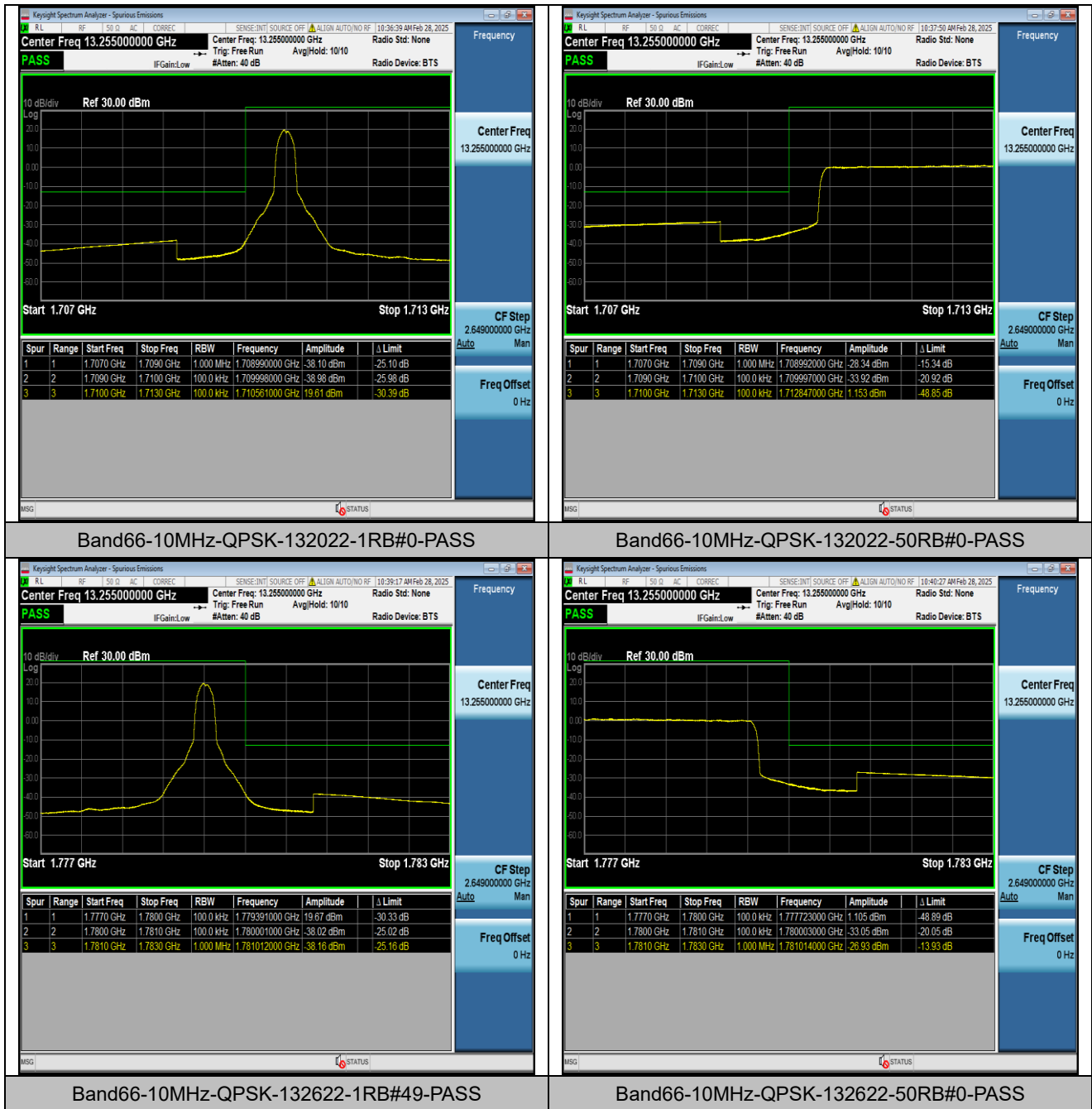
Band Edge

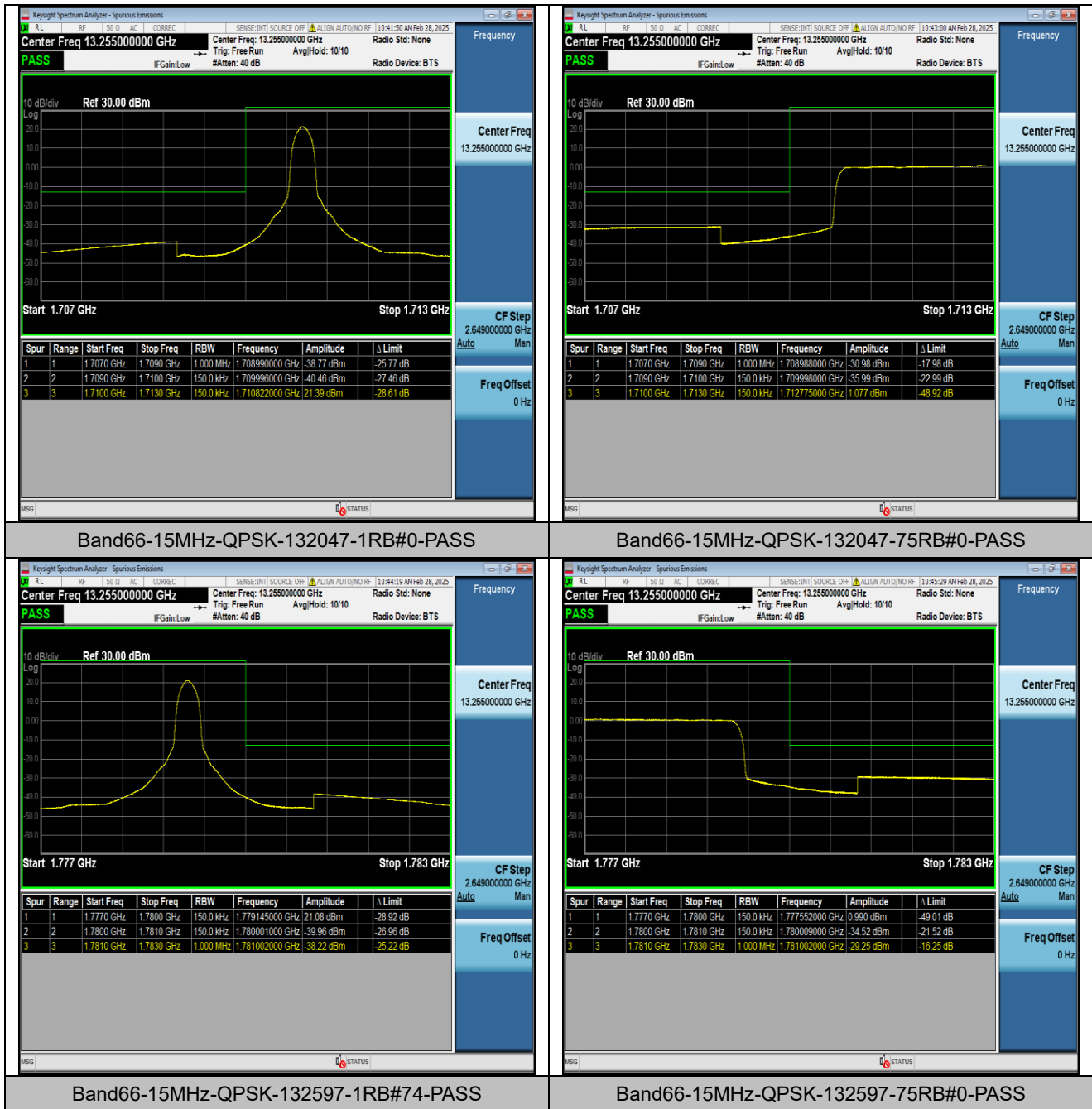
Test Graphs

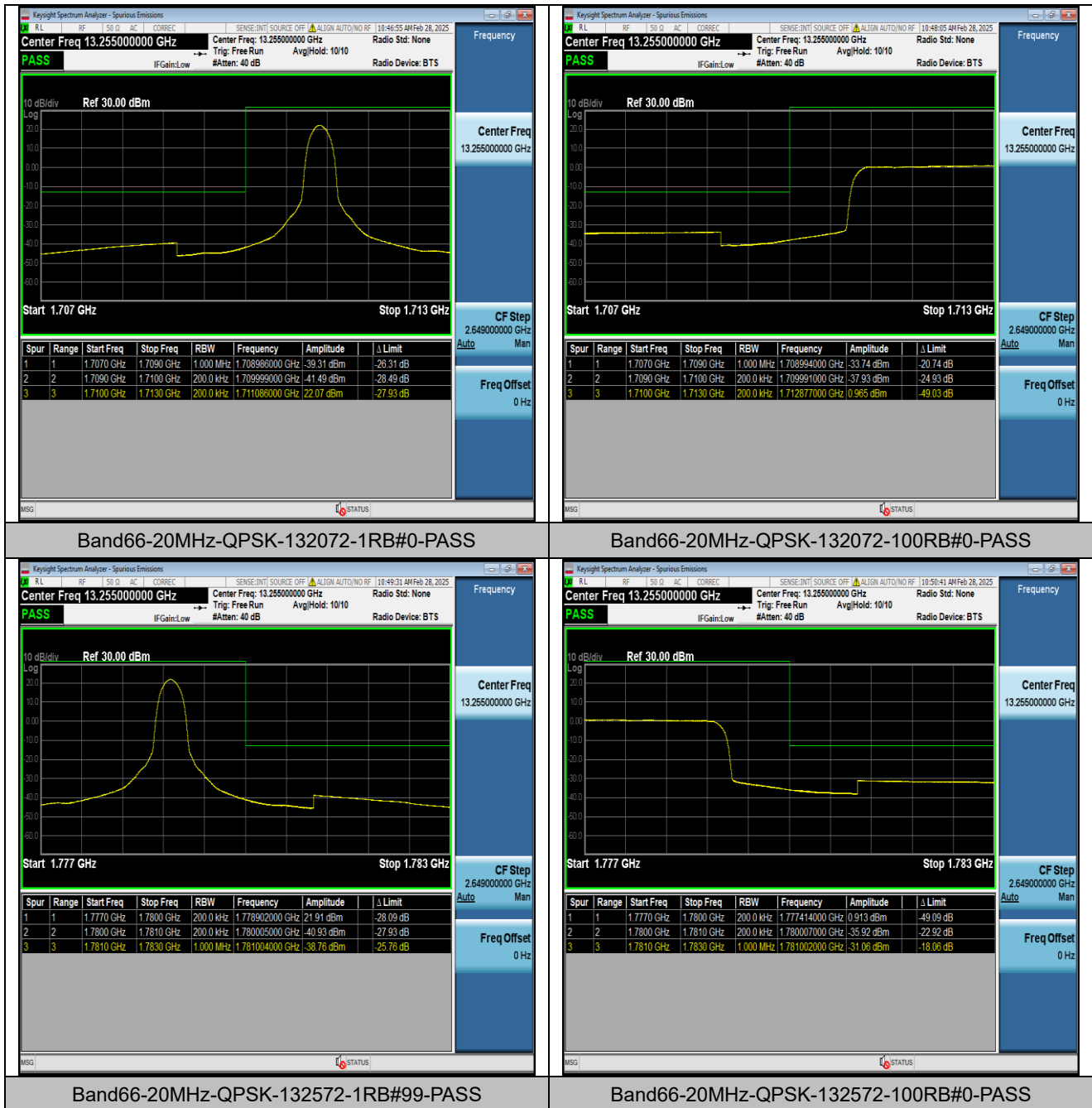






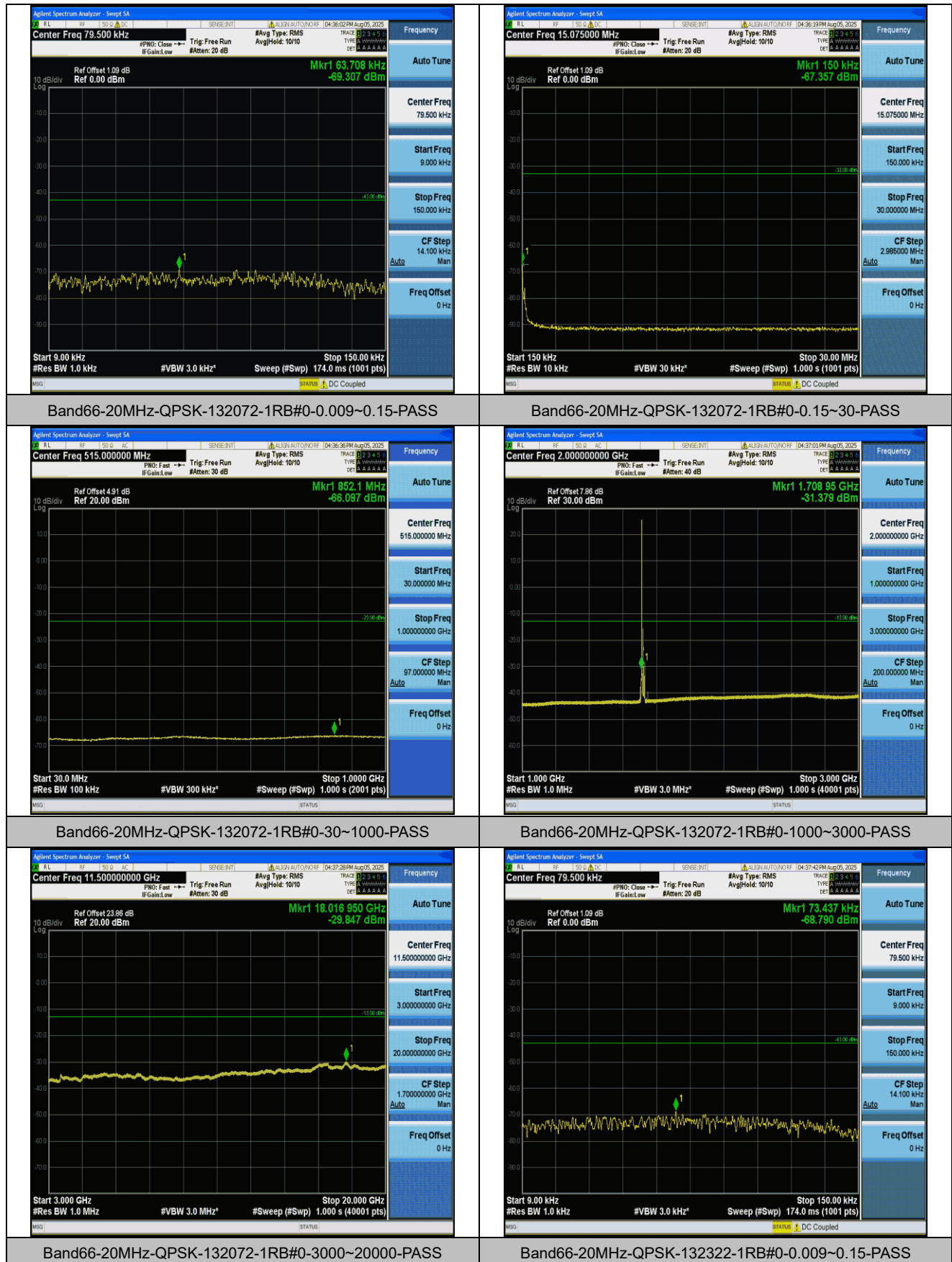


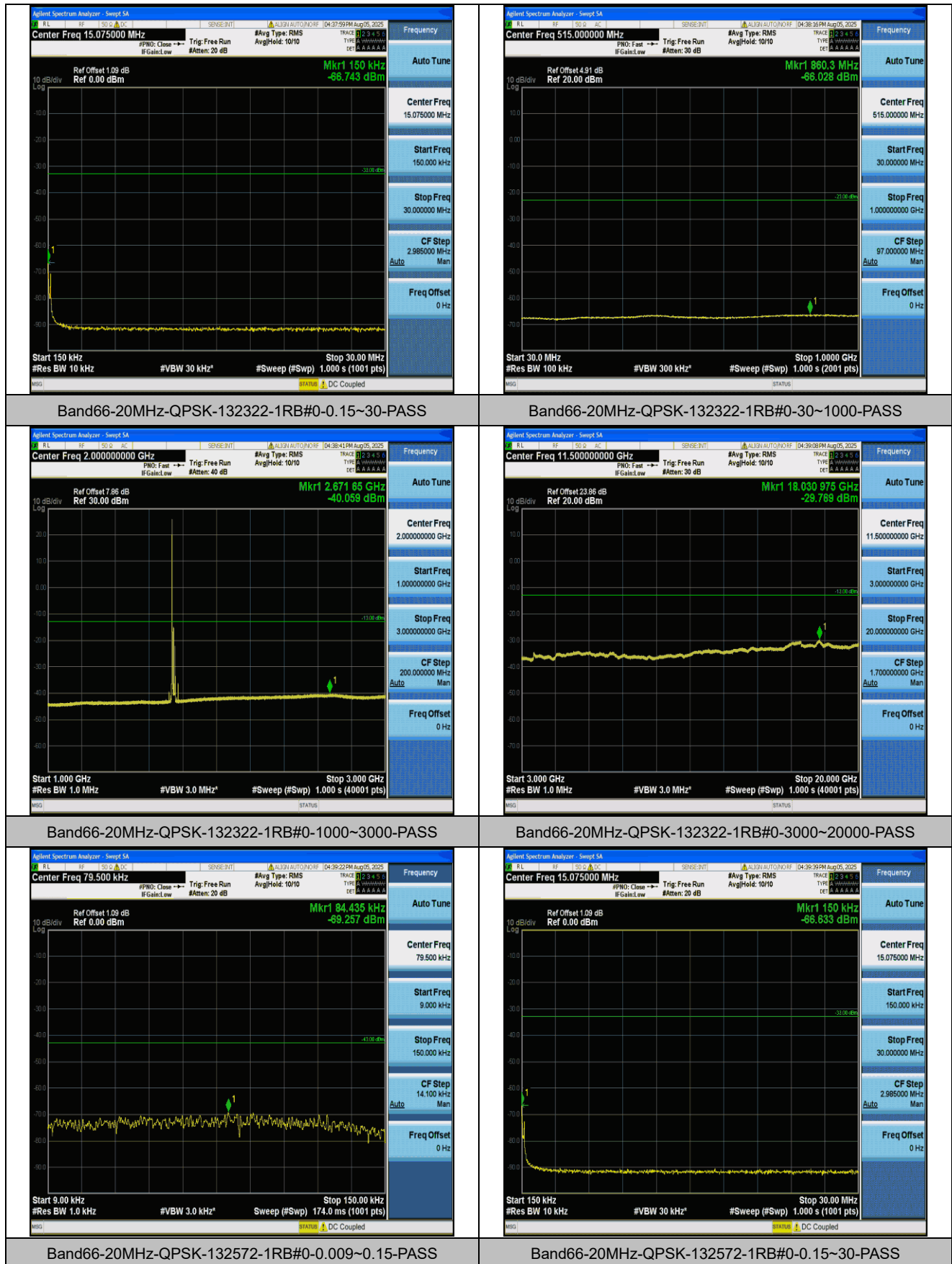


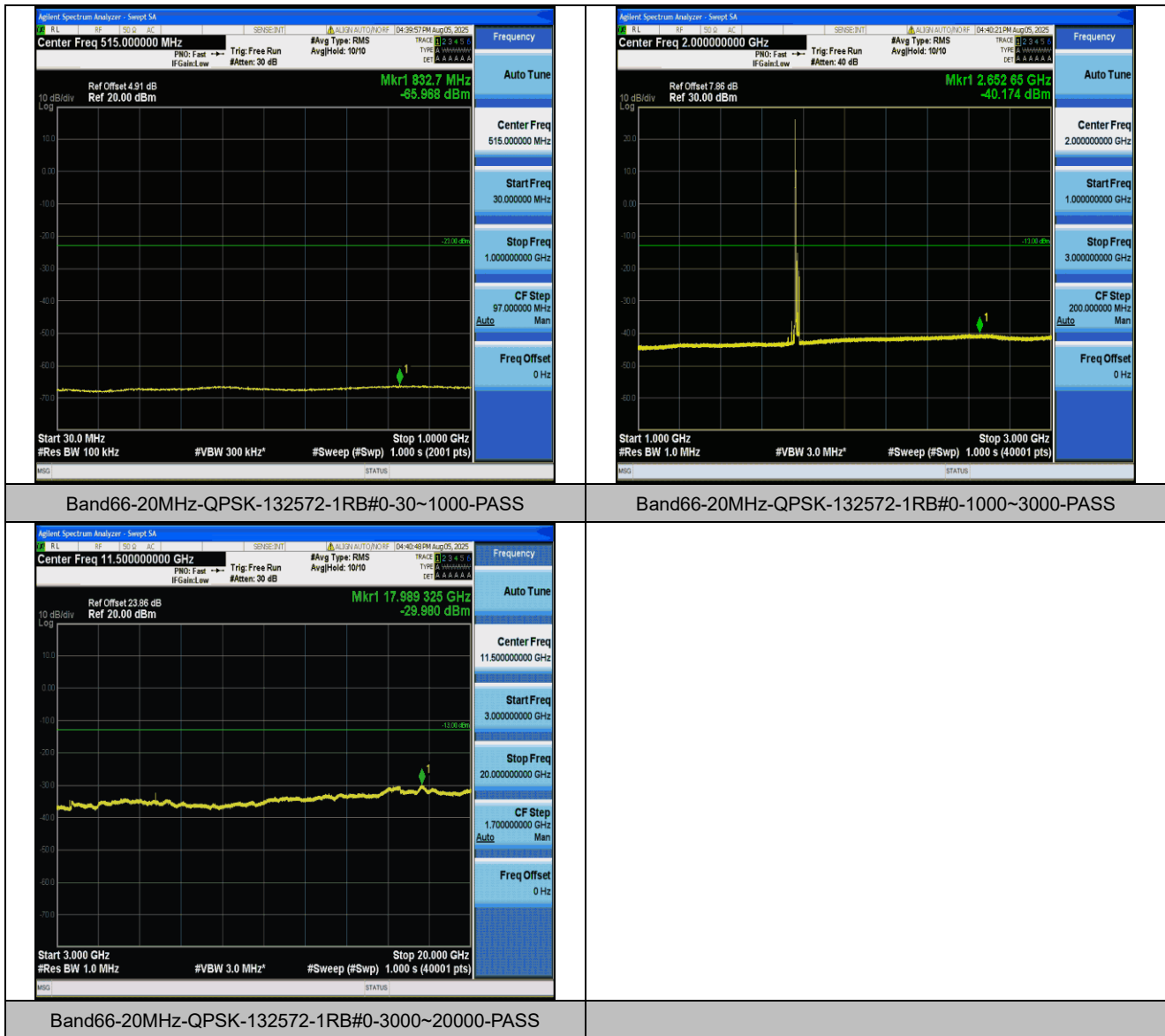


Conducted Spurious Emission

Test Graphs







Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	-1.70	-0.000974	PASS
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	-3.80	-0.002178	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-2.90	-0.001662	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	-3.00	-0.001719	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-10	-3.90	-0.002235	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	-1.80	-0.001032	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	-3.40	-0.001948	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-3.60	-0.002063	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	30	-2.60	-0.001490	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	40	-4.10	-0.002350	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	50	-3.90	-0.002235	PASS

~The End~