

Appendix-D 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	23.4	24.6	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	23.39	24.59	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	23.43	24.63	30.00	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	22.48	23.68	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	24.09	25.29	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	23.9	25.1	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	23.85	25.05	30.00	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	23.03	24.23	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	23.62	24.82	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	23.96	25.16	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	23.86	25.06	30.00	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	22.74	23.94	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	22.27	23.47	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	22.5	23.7	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	22.2	23.4	30.00	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.52	22.72	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	22.52	23.72	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	23.16	24.36	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	22.97	24.17	30.00	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.76	22.96	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	23.28	24.48	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	23.14	24.34	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	22.35	23.55	30.00	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	21.72	22.92	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#0	23.31	24.51	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#8	23.41	24.61	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#14	23.18	24.38	30.00	PASS
Band66	3MHz	QPSK	131987	15RB#0	22.51	23.71	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#0	23.9	25.1	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#8	23.75	24.95	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#14	23.87	25.07	30.00	PASS
Band66	3MHz	QPSK	132322	15RB#0	23.01	24.21	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#0	23.72	24.92	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#8	23.66	24.86	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#14	23.62	24.82	30.00	PASS
Band66	3MHz	QPSK	132657	15RB#0	22.77	23.97	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#0	22.41	23.61	30.00	PASS

Band66	3MHz	16QAM	131987	1RB#8	22.4	23.6	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#14	22.32	23.52	30.00	PASS
Band66	3MHz	16QAM	131987	15RB#0	21.37	22.57	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#0	22.94	24.14	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#8	22.94	24.14	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#14	22.98	24.18	30.00	PASS
Band66	3MHz	16QAM	132322	15RB#0	21.81	23.01	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#0	22.86	24.06	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#8	23.12	24.32	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#14	22.54	23.74	30.00	PASS
Band66	3MHz	16QAM	132657	15RB#0	21.79	22.99	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#0	23.3	24.5	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#12	23.36	24.56	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#24	23.5	24.7	30.00	PASS
Band66	5MHz	QPSK	131997	25RB#0	22.55	23.75	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#0	24.02	25.22	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#12	24.07	25.27	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#24	24.21	25.41	30.00	PASS
Band66	5MHz	QPSK	132322	25RB#0	23.04	24.24	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#0	23.32	24.52	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#12	23.66	24.86	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#24	23.29	24.49	30.00	PASS
Band66	5MHz	QPSK	132647	25RB#0	22.66	23.86	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#0	22.16	23.36	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#12	22.89	24.09	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#24	22.47	23.67	30.00	PASS
Band66	5MHz	16QAM	131997	25RB#0	21.44	22.64	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#0	23.02	24.22	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#12	23	24.2	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#24	23.05	24.25	30.00	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.99	23.19	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#0	22.49	23.69	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#12	22.7	23.9	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#24	22.21	23.41	30.00	PASS
Band66	5MHz	16QAM	132647	25RB#0	21.65	22.85	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#0	23.16	24.36	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#24	23.92	25.12	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#49	23.37	24.57	30.00	PASS
Band66	10MHz	QPSK	132022	50RB#0	22.76	23.96	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#0	23.87	25.07	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#24	24.23	25.43	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#49	24.33	25.53	30.00	PASS
Band66	10MHz	QPSK	132322	50RB#0	23.08	24.28	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#0	23.77	24.97	30.00	PASS

Band66	10MHz	QPSK	132622	1RB#24	23.97	25.17	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#49	23.59	24.79	30.00	PASS
Band66	10MHz	QPSK	132622	50RB#0	22.7	23.9	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#0	22.56	23.76	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#24	22.91	24.11	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#49	22.6	23.8	30.00	PASS
Band66	10MHz	16QAM	132022	50RB#0	21.81	23.01	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#0	22.78	23.98	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#24	23.48	24.68	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#49	22.78	23.98	30.00	PASS
Band66	10MHz	16QAM	132322	50RB#0	22.06	23.26	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#0	22.98	24.18	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#24	23.2	24.4	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#49	22.85	24.05	30.00	PASS
Band66	10MHz	16QAM	132622	50RB#0	21.61	22.81	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#0	23.31	24.51	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#38	23.61	24.81	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#74	23.69	24.89	30.00	PASS
Band66	15MHz	QPSK	132047	75RB#0	22.75	23.95	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#0	23.8	25	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.8	25	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#74	23.83	25.03	30.00	PASS
Band66	15MHz	QPSK	132322	75RB#0	23.05	24.25	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#0	23.82	25.02	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#38	23.9	25.1	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#74	23.92	25.12	30.00	PASS
Band66	15MHz	QPSK	132597	75RB#0	22.72	23.92	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#0	22.52	23.72	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#38	22.59	23.79	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#74	22.76	23.96	30.00	PASS
Band66	15MHz	16QAM	132047	75RB#0	21.7	22.9	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#0	22.93	24.13	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#38	23.15	24.35	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#74	22.98	24.18	30.00	PASS
Band66	15MHz	16QAM	132322	75RB#0	22.04	23.24	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#0	23.25	24.45	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#38	23.32	24.52	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#74	23.07	24.27	30.00	PASS
Band66	15MHz	16QAM	132597	75RB#0	21.71	22.91	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#0	23.32	24.52	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#49	23.98	25.18	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#99	23.49	24.69	30.00	PASS
Band66	20MHz	QPSK	132072	100RB#0	22.7	23.9	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#0	23.69	24.89	30.00	PASS

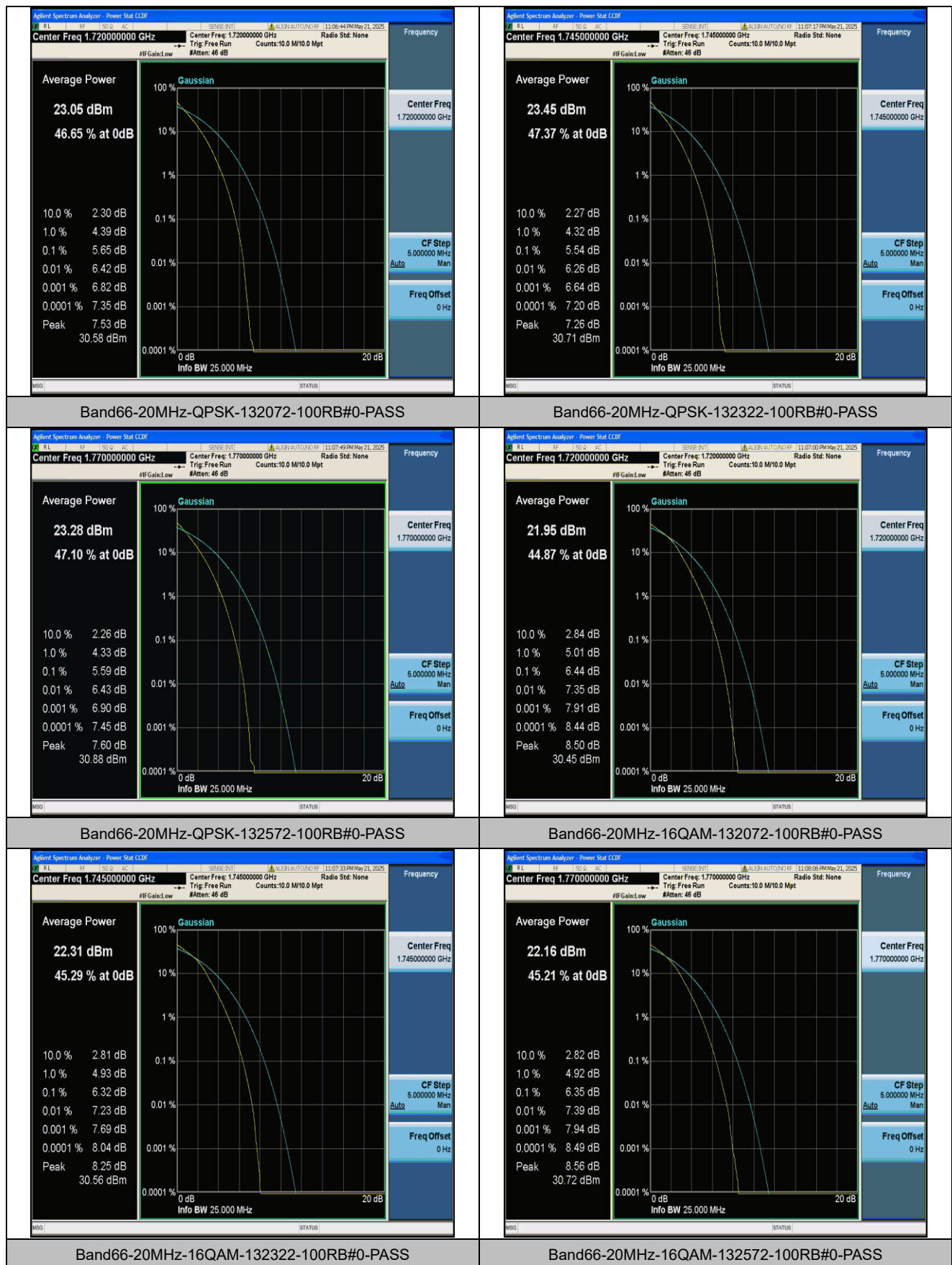
Band66	20MHz	QPSK	132322	1RB#49	24.24	25.44	30.00	PASS
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Band66	20MHz	QPSK	132322	100RB#0	23.03	24.23	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#0	23.64	24.84	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#49	23.94	25.14	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#99	23.54	24.74	30.00	PASS
Band66	20MHz	QPSK	132572	100RB#0	22.71	23.91	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#0	22.39	23.59	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#49	23.23	24.43	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#99	22.25	23.45	30.00	PASS
Band66	20MHz	16QAM	132072	100RB#0	21.68	22.88	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#0	23.66	24.86	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#49	24.05	25.25	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#99	23.75	24.95	30.00	PASS
Band66	20MHz	16QAM	132322	100RB#0	21.96	23.16	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#0	22.21	23.41	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#49	22.82	24.02	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#99	22.31	23.51	30.00	PASS
Band66	20MHz	16QAM	132572	100RB#0	21.71	22.91	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	5.65	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.54	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.59	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	6.44	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	6.32	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	6.35	13	PASS

Test Graphs



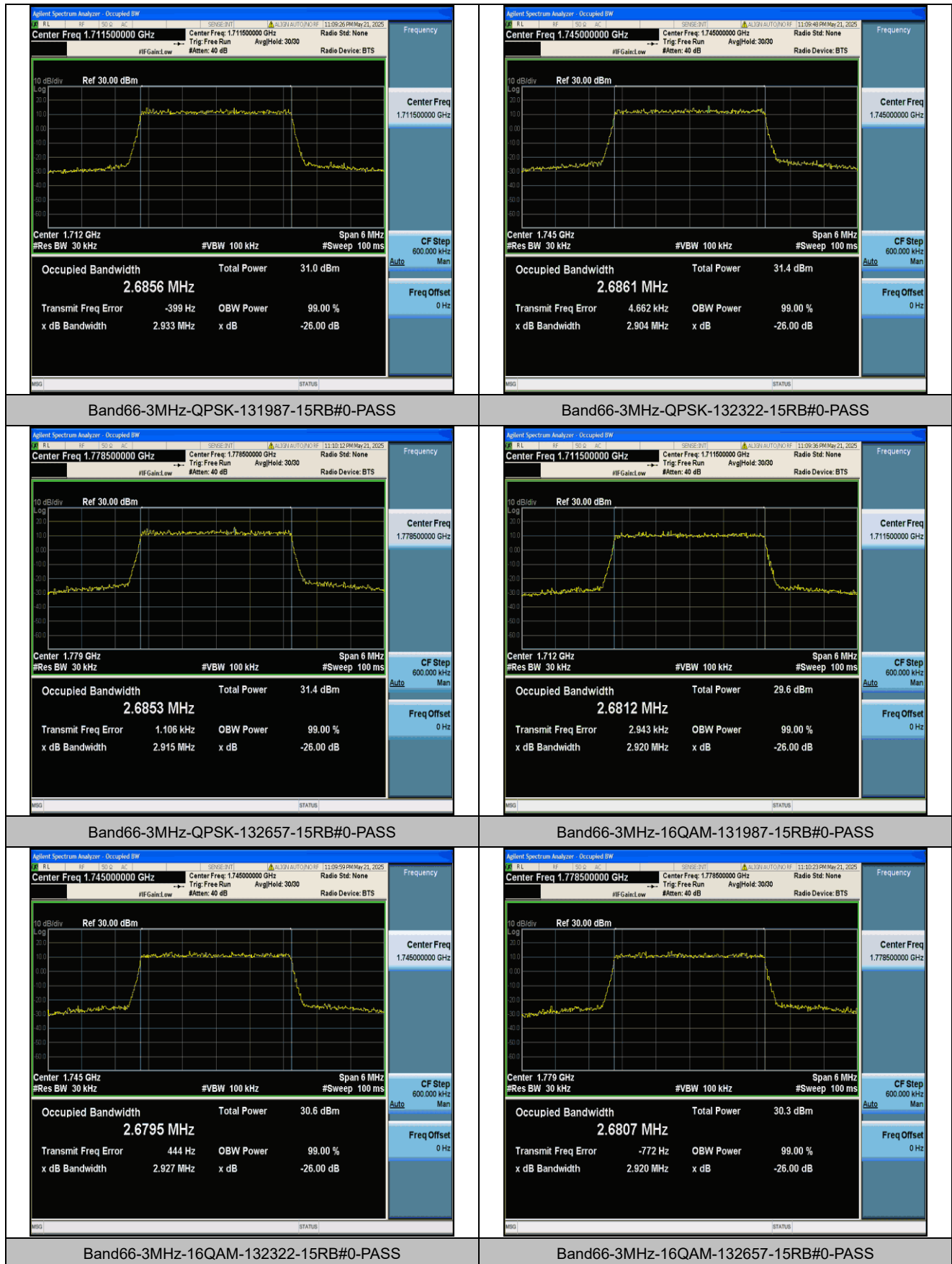
26dB Bandwidth and Occupied Bandwidth

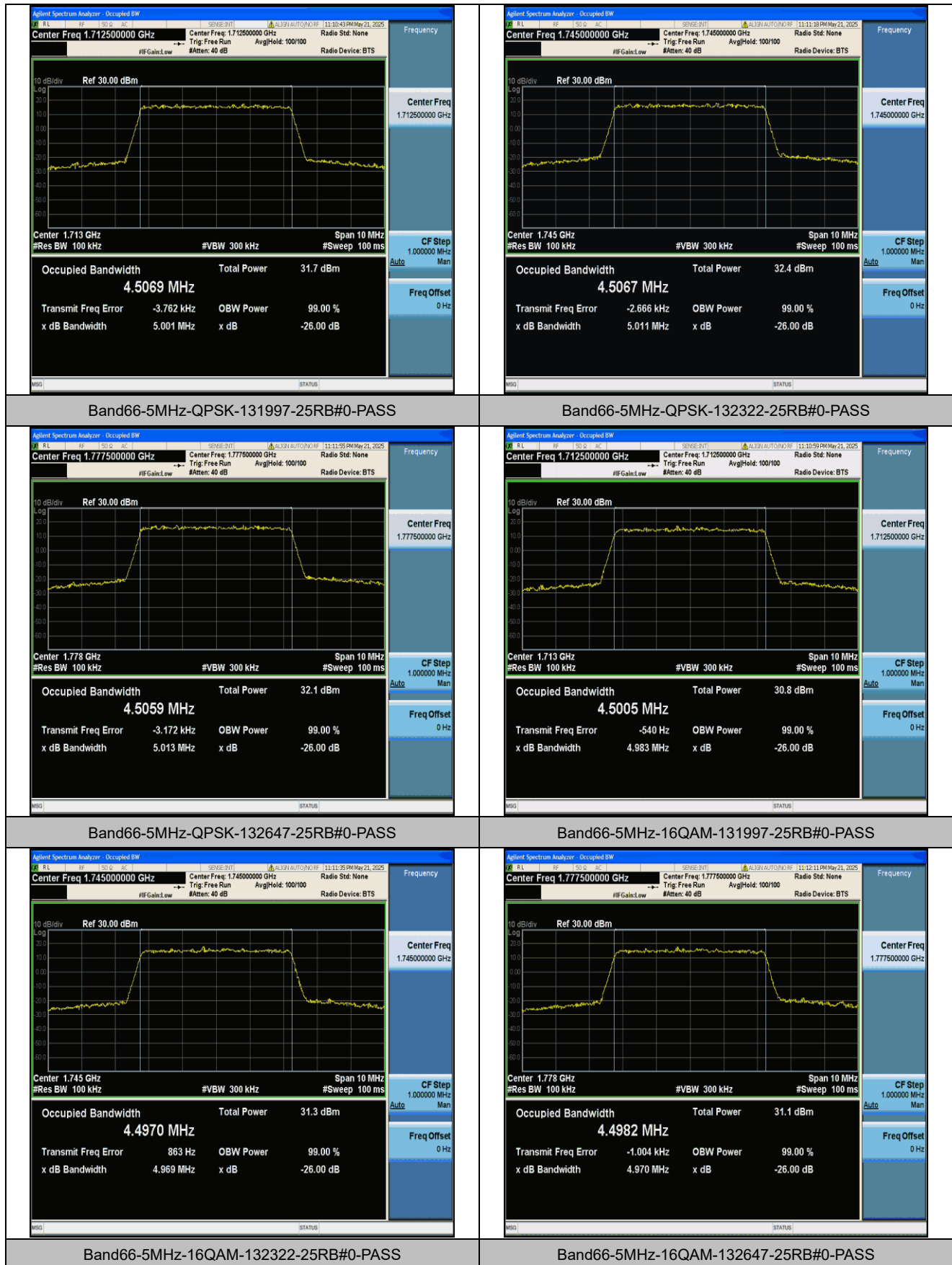
Test Result

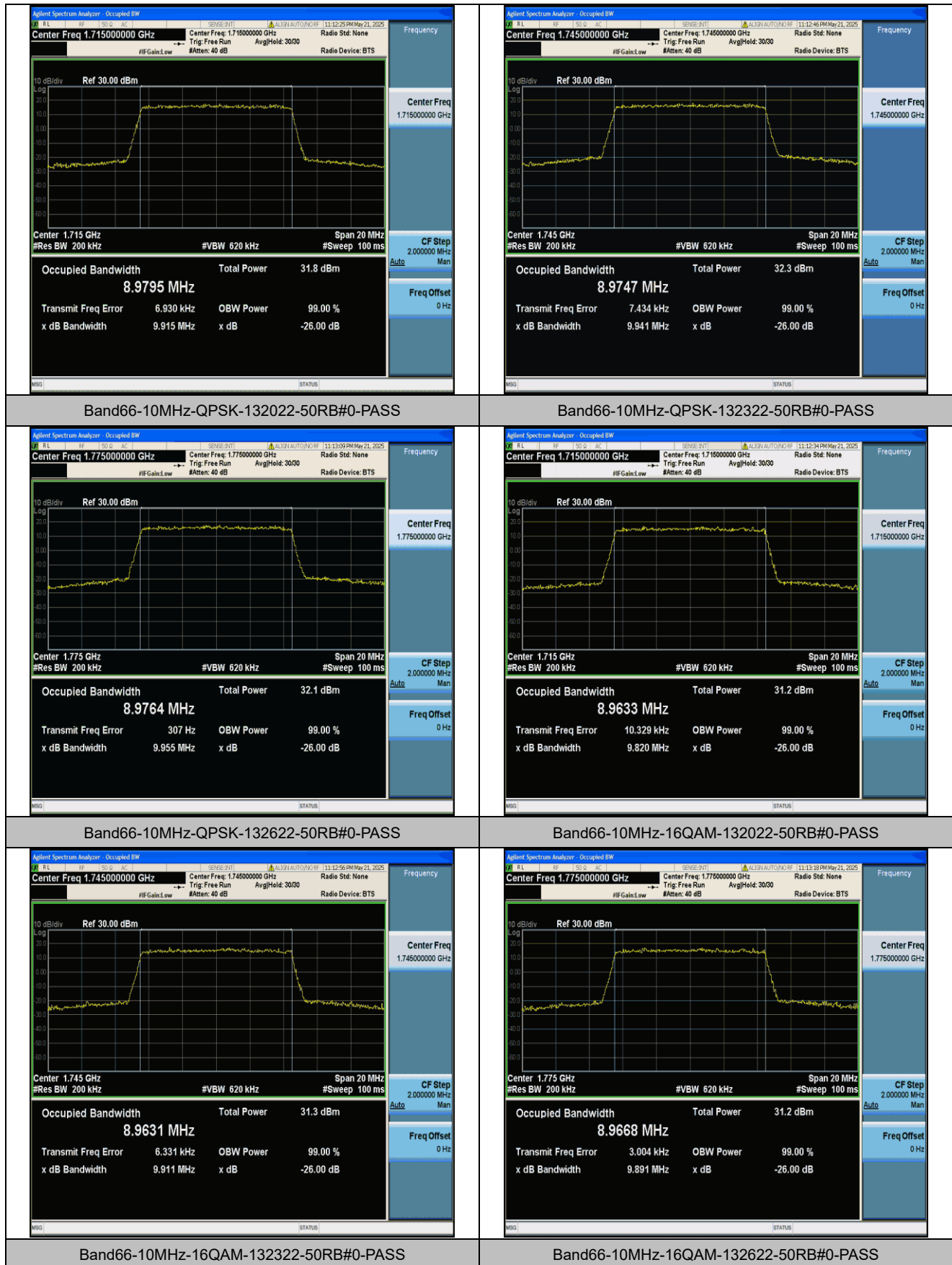
Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.0961	1.306	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0940	1.304	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.0950	1.292	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.0982	1.303	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.0962	1.302	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.0998	1.305	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.6856	2.933	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.6861	2.904	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.6853	2.915	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.6812	2.920	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.6795	2.927	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.6807	2.920	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.5069	5.001	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.5067	5.011	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.5059	5.013	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.5005	4.983	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.4970	4.969	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.4982	4.970	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.9795	9.915	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.9747	9.941	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.9764	9.955	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.9633	9.820	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.9631	9.911	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.9668	9.891	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.458	14.75	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.455	14.75	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.442	14.78	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.431	14.69	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.448	14.67	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.437	14.66	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.913	19.49	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.907	19.42	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.880	19.34	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.945	19.40	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.908	19.44	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.942	19.42	PASS

Test Graphs

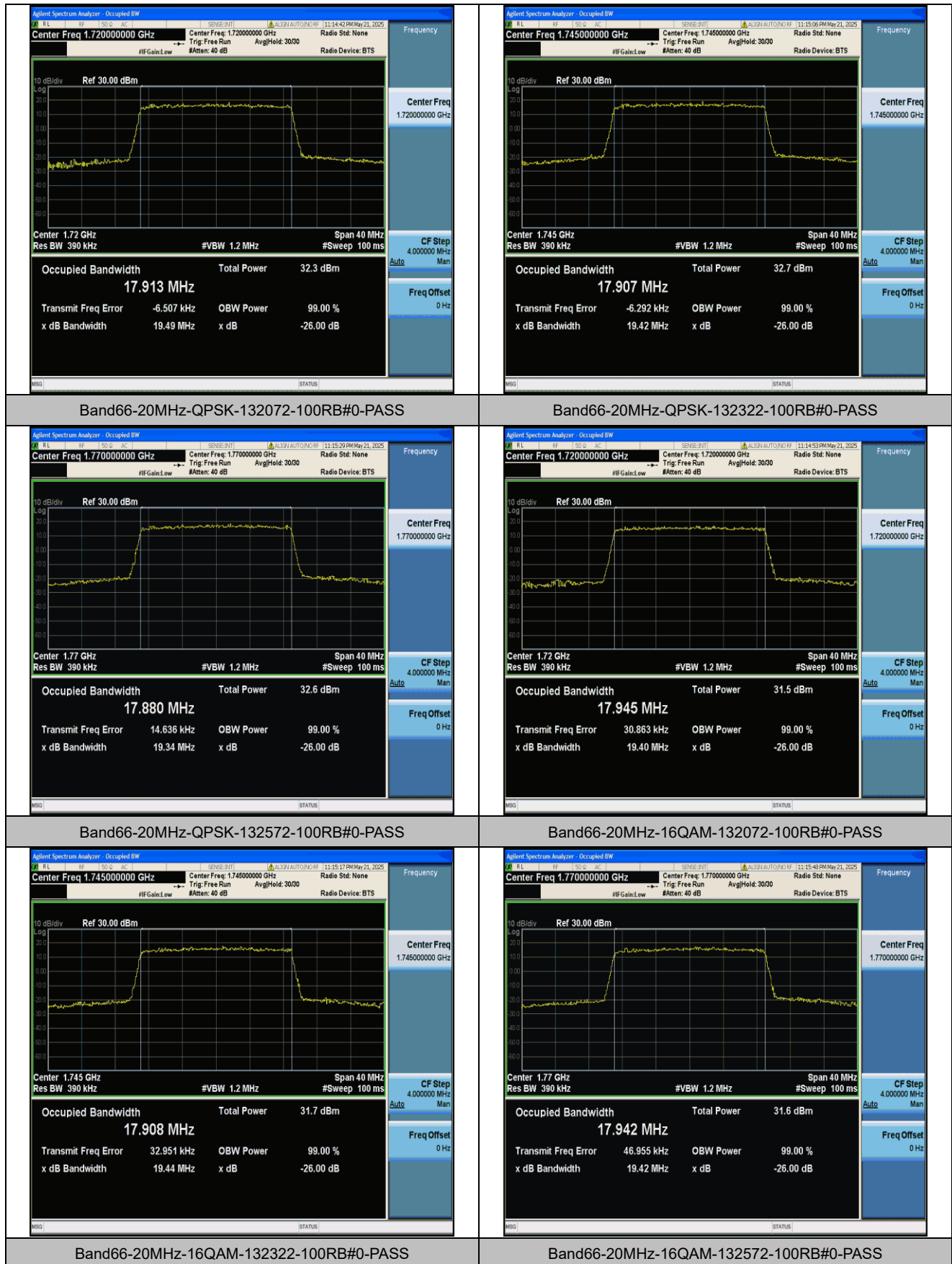






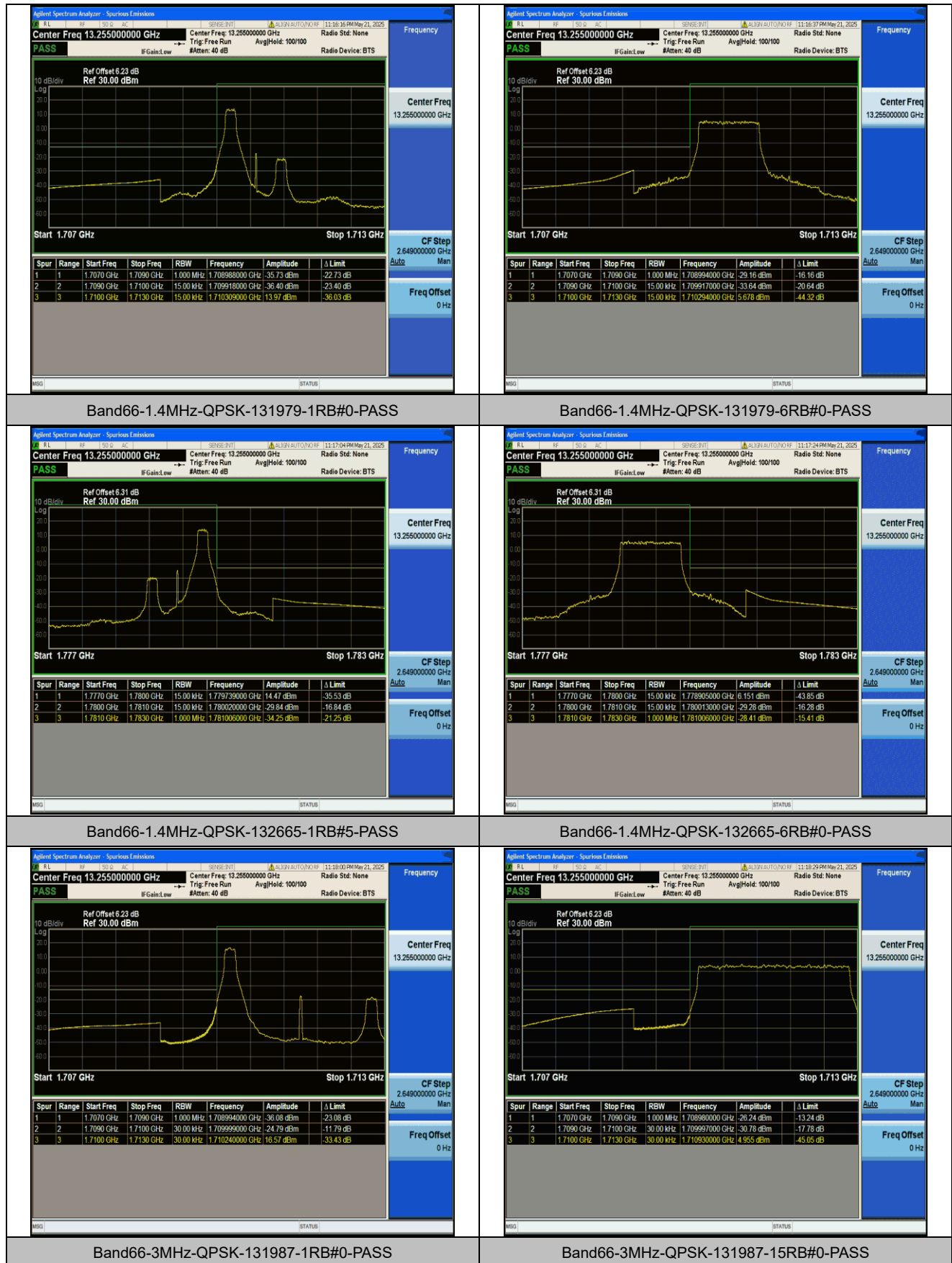


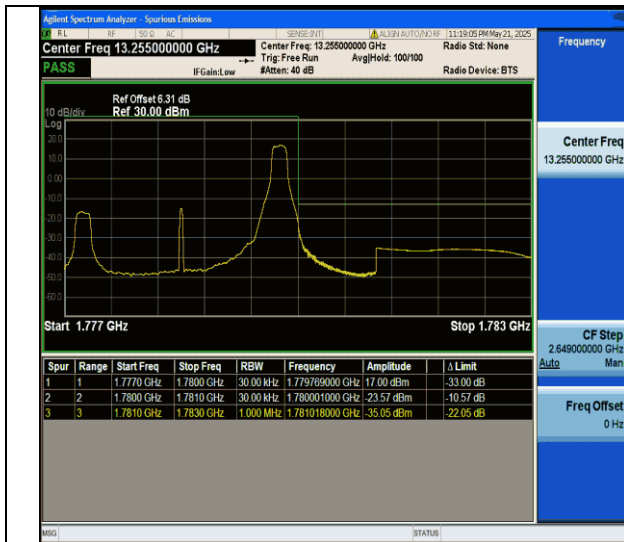




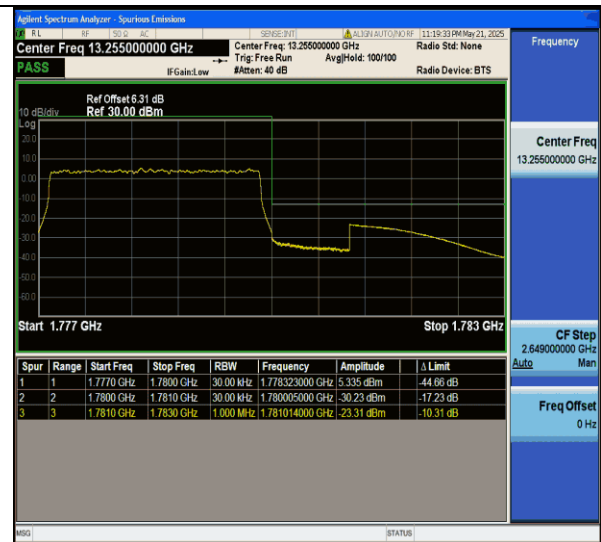
Band Edge

Test Graphs

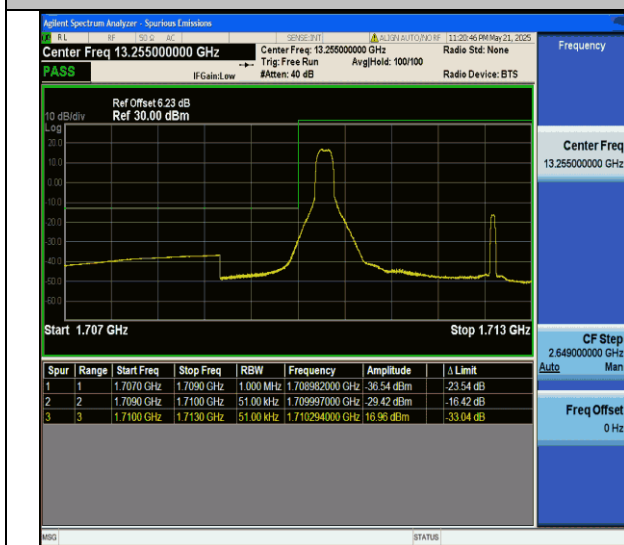




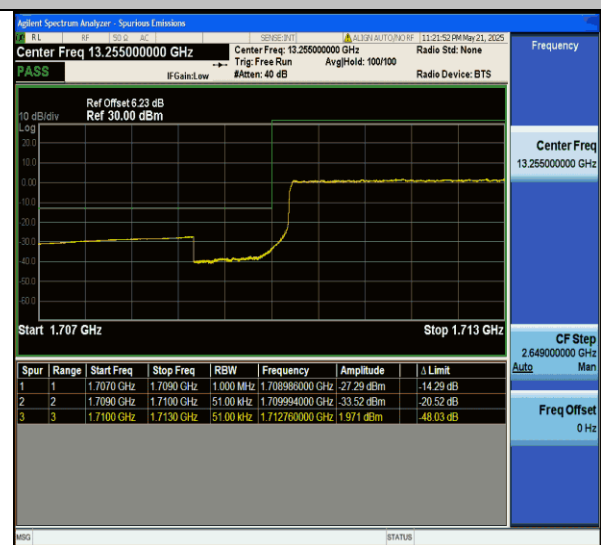
Band66-3MHz-QPSK-132657-1RB#14-PASS



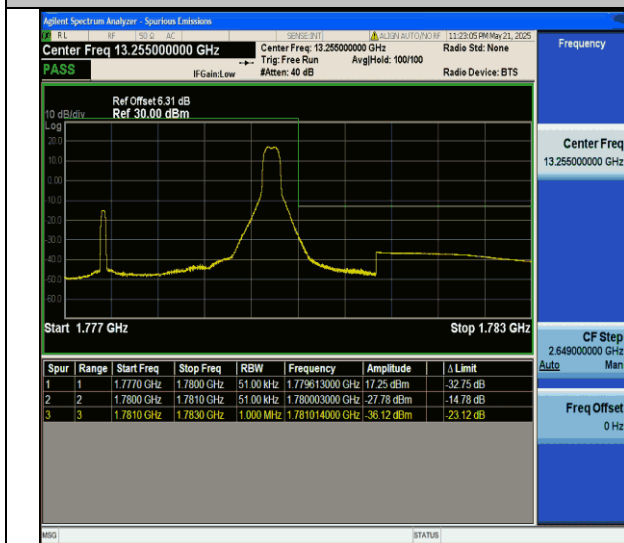
Band66-3MHz-QPSK-132657-15RB#0-PASS



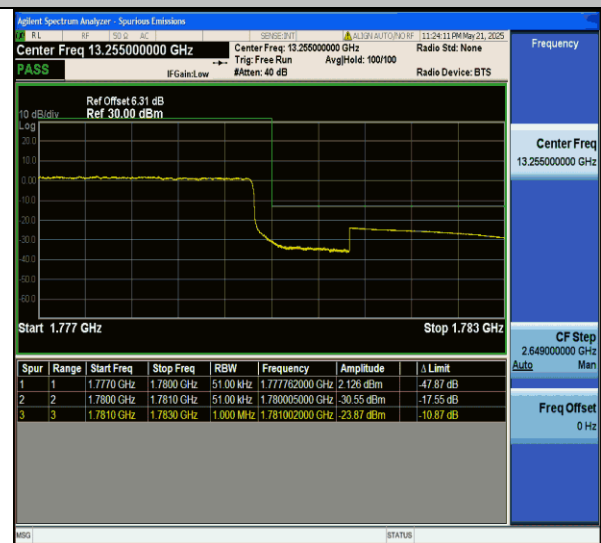
Band66-5MHz-QPSK-131997-1RB#0-PASS



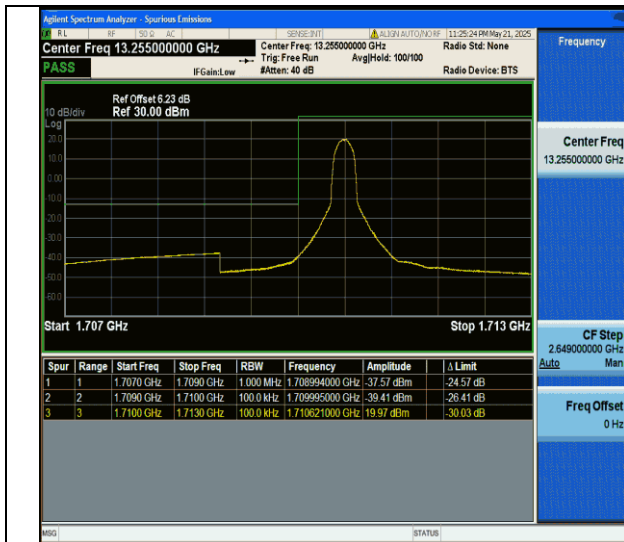
Band66-5MHz-QPSK-131997-25RB#0-PASS



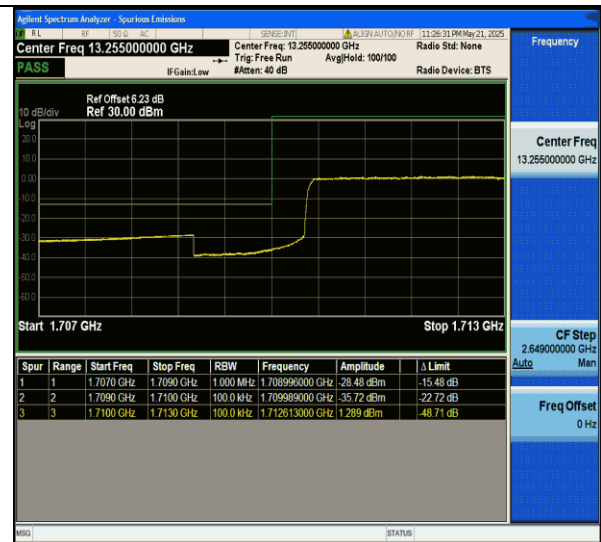
Band66-5MHz-QPSK-132647-1RB#24-PASS



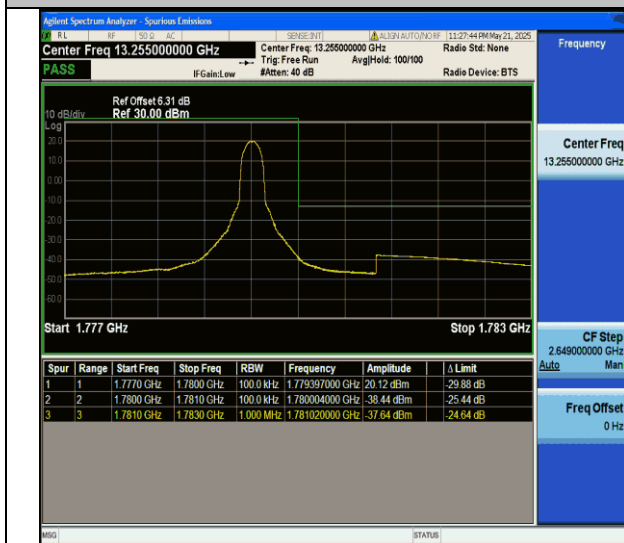
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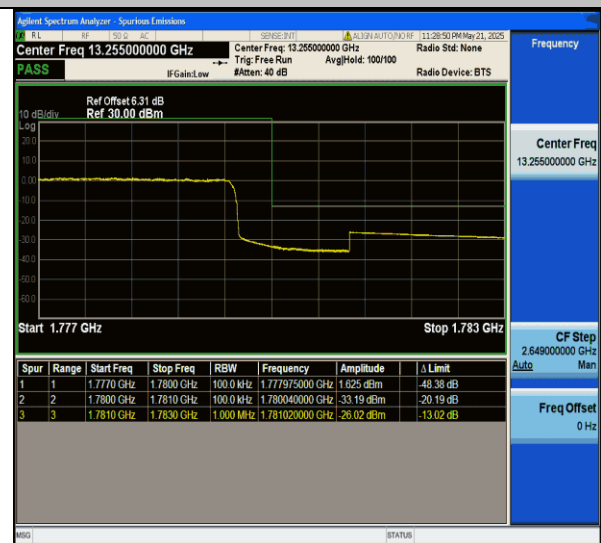
Band66-10MHz-QPSK-132022-1RB#0-PASS



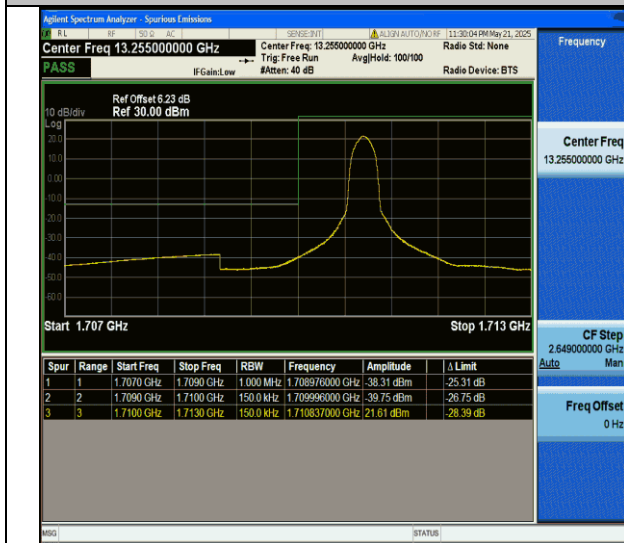
Band66-10MHz-QPSK-132022-50RB#0-PASS



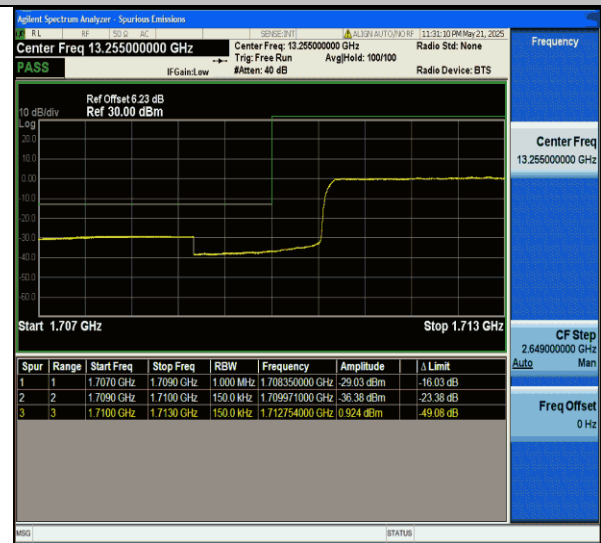
Band66-10MHz-QPSK-132622-1RB#49-PASS



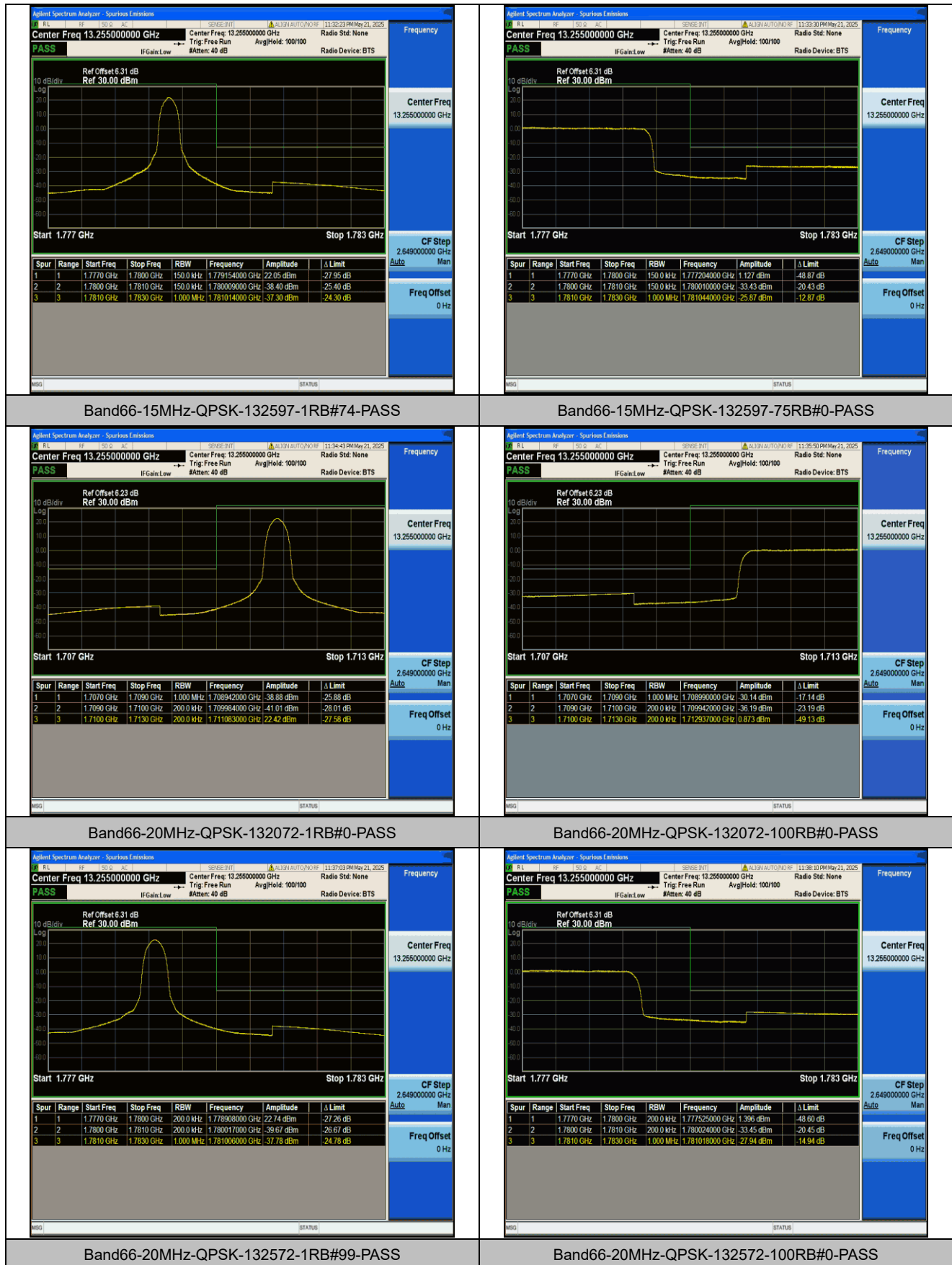
Band66-10MHz-QPSK-132622-50RB#0-PASS



Band66-15MHz-QPSK-132047-1RB#0-PASS

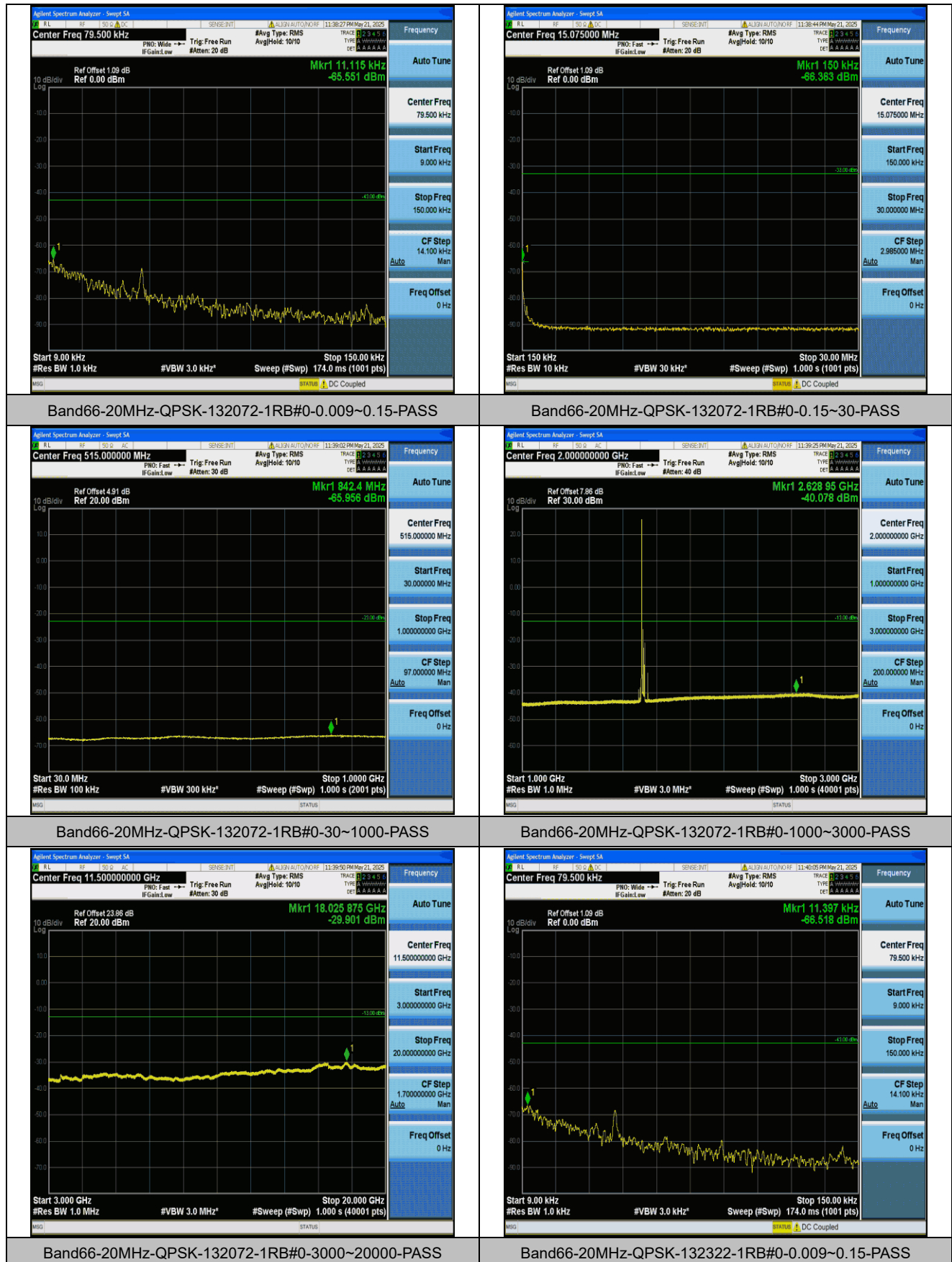


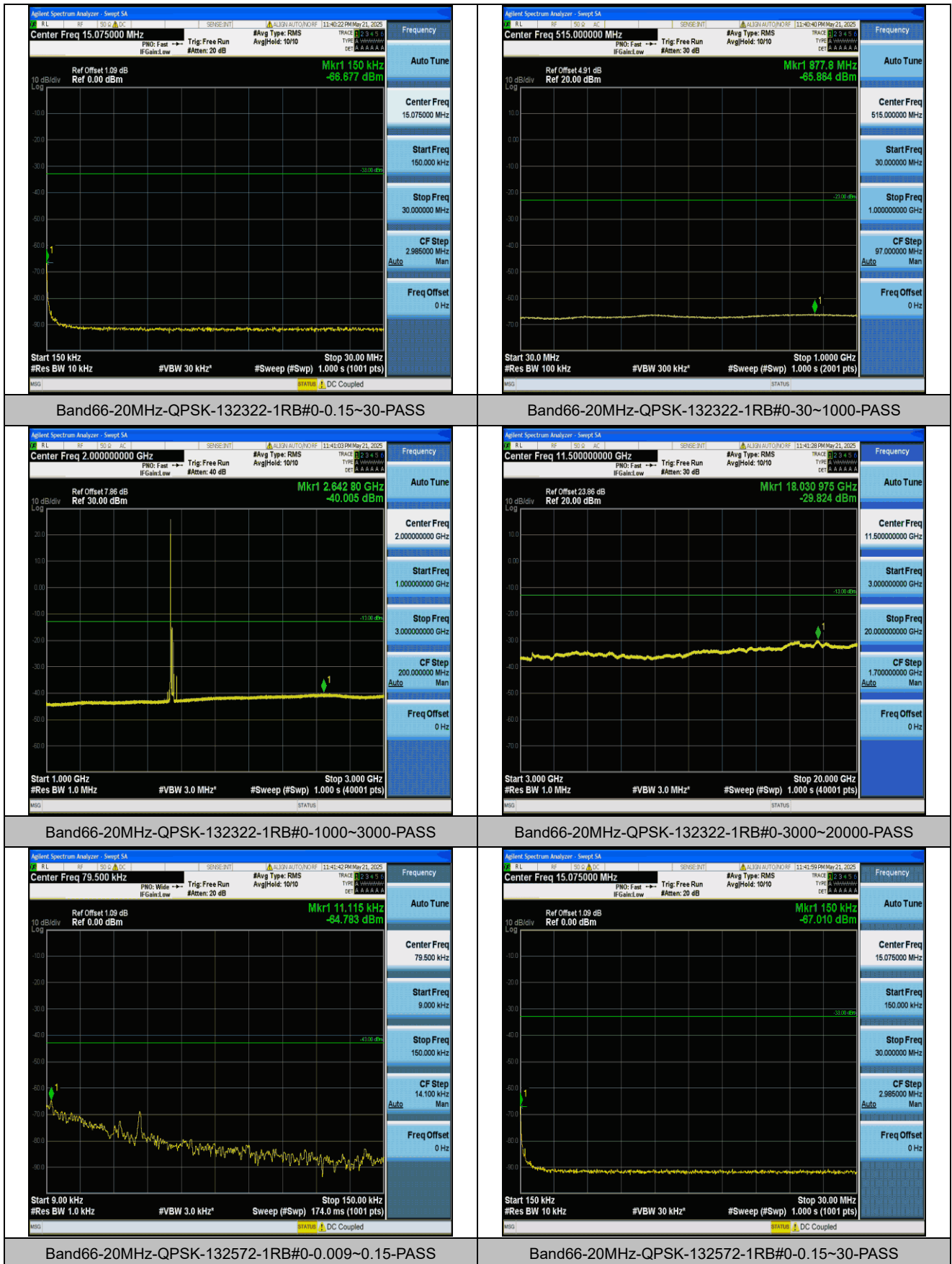
Band66-15MHz-QPSK-132047-75RB#0-PASS

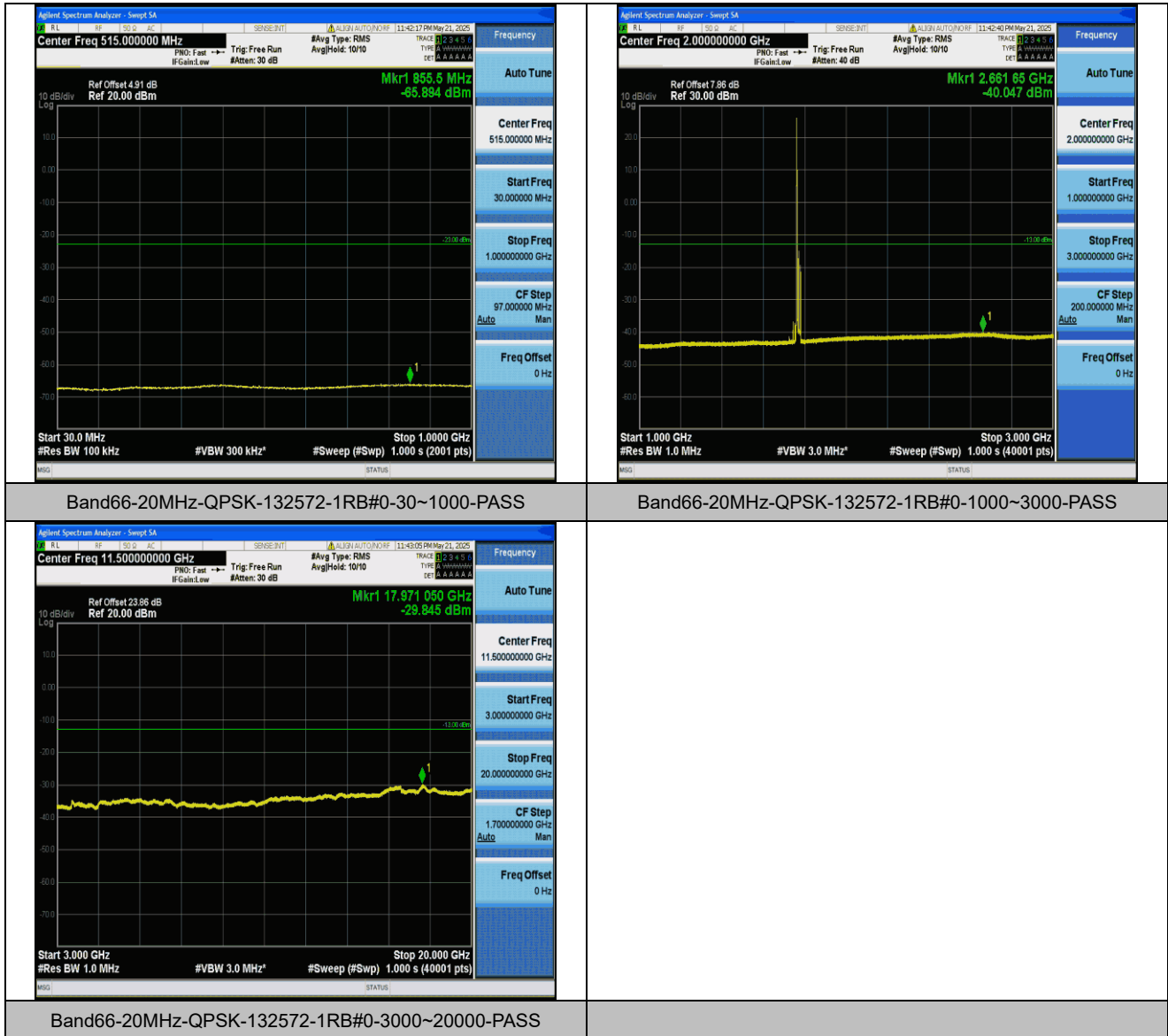


Conducted Spurious Emission

Test Graphs







Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	-6.64	-0.003805	PASS
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	-3.43	-0.001966	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-2.82	-0.001616	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-4.59	-0.002630	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	-5.87	-0.003364	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-10	-3.59	-0.002057	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	-3.48	-0.001994	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	-3.66	-0.002097	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-4.96	-0.002842	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	30	-4.51	-0.002585	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	40	-6.09	-0.003490	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	50	-3.93	-0.002252	PASS

~The End~