

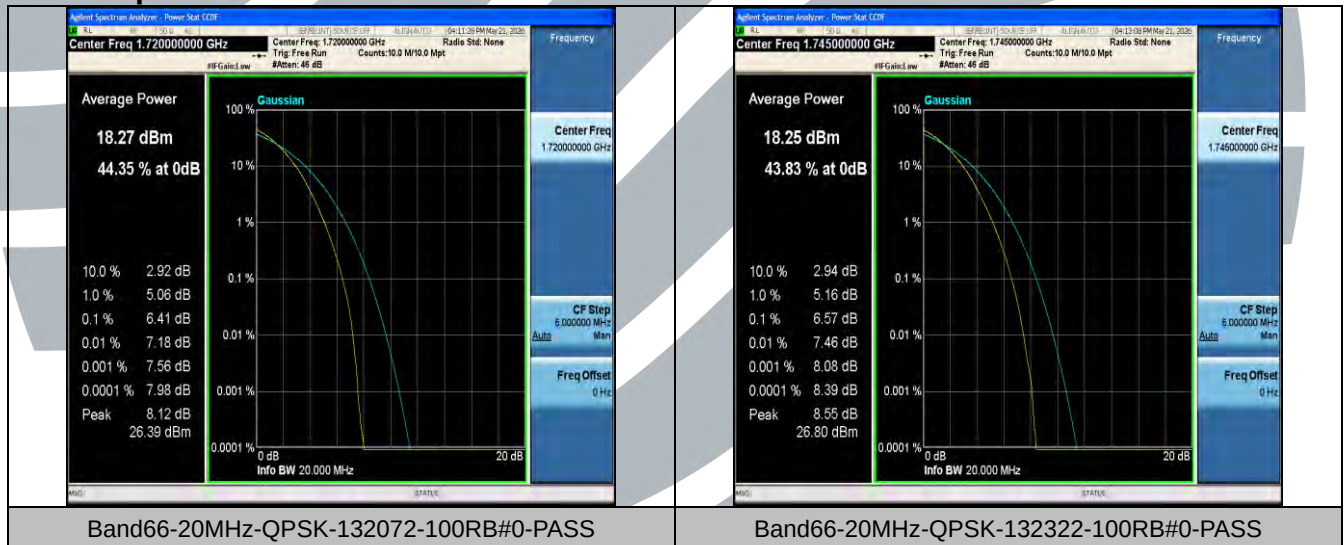
APPENDIX I LTE BAND 66 RF TEST DATA

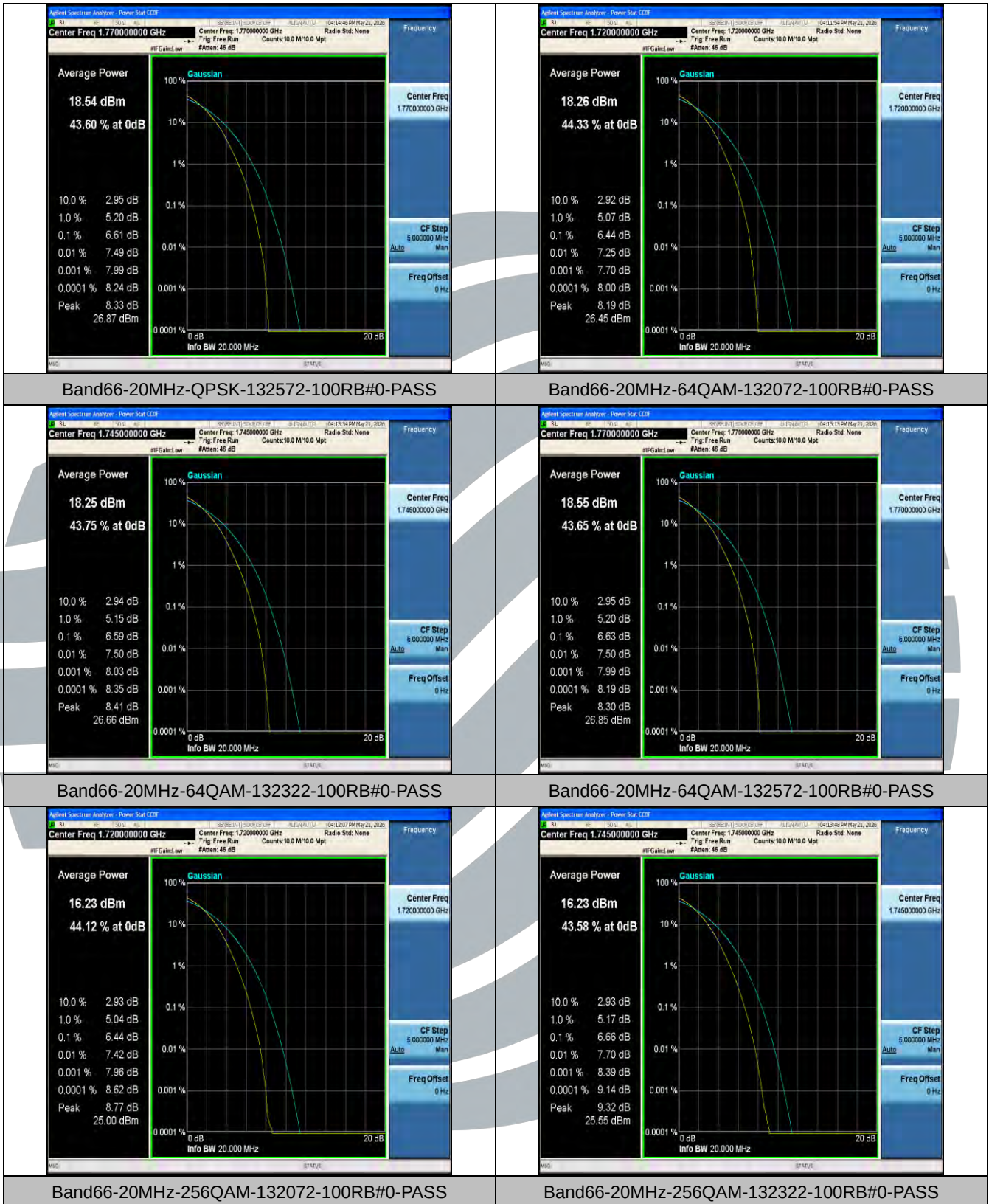
I.1 PEAK-TO-AVERAGE RATIO(CCDF)

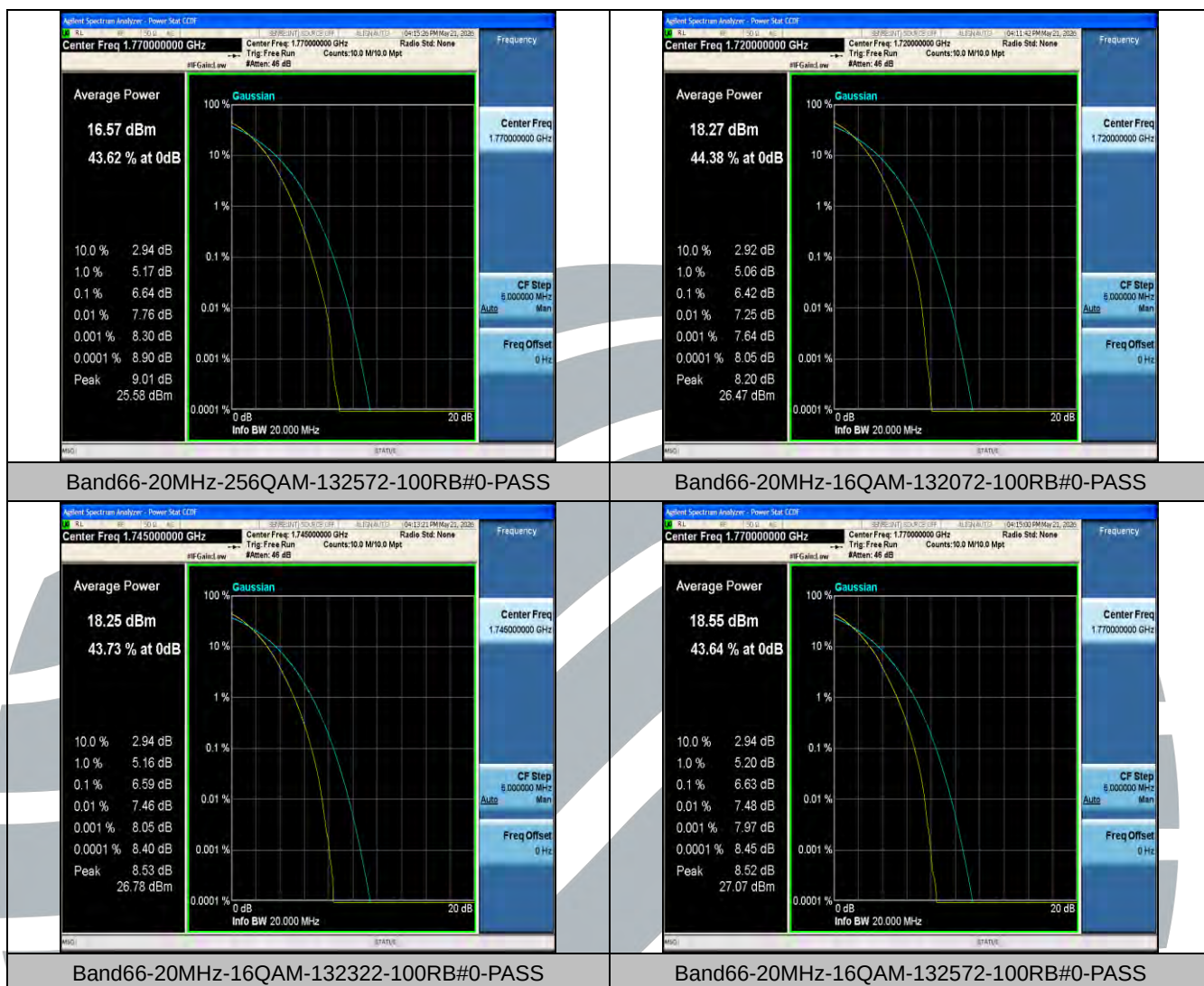
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	6.41	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	6.57	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	6.61	13	PASS
Band66	20MHz	64QAM	132072	100RB#0	6.44	13	PASS
Band66	20MHz	64QAM	132322	100RB#0	6.59	13	PASS
Band66	20MHz	64QAM	132572	100RB#0	6.63	13	PASS
Band66	20MHz	256QAM	132072	100RB#0	6.44	13	PASS
Band66	20MHz	256QAM	132322	100RB#0	6.66	13	PASS
Band66	20MHz	256QAM	132572	100RB#0	6.64	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	6.42	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	6.59	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	6.63	13	PASS

Test Graphs





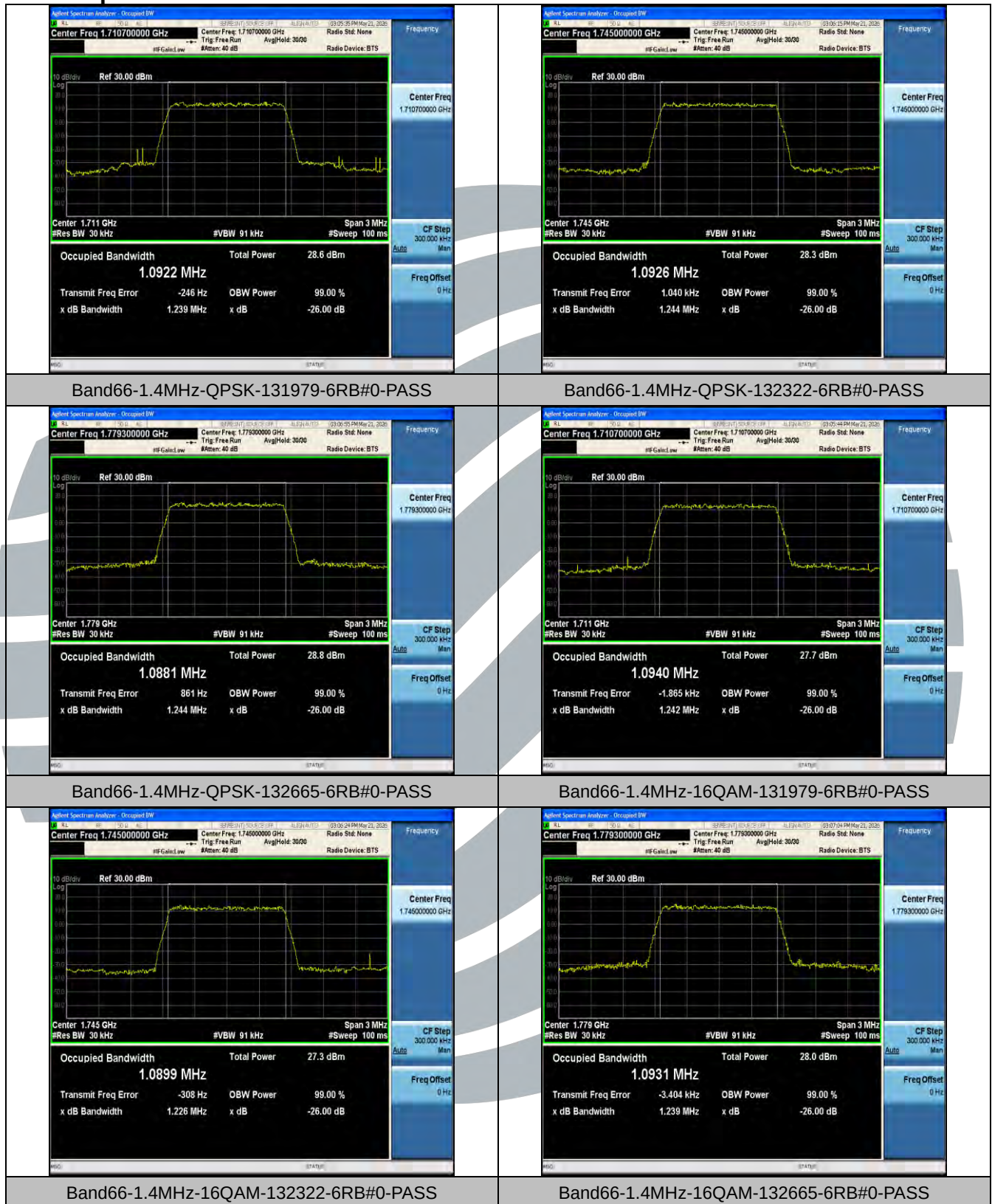


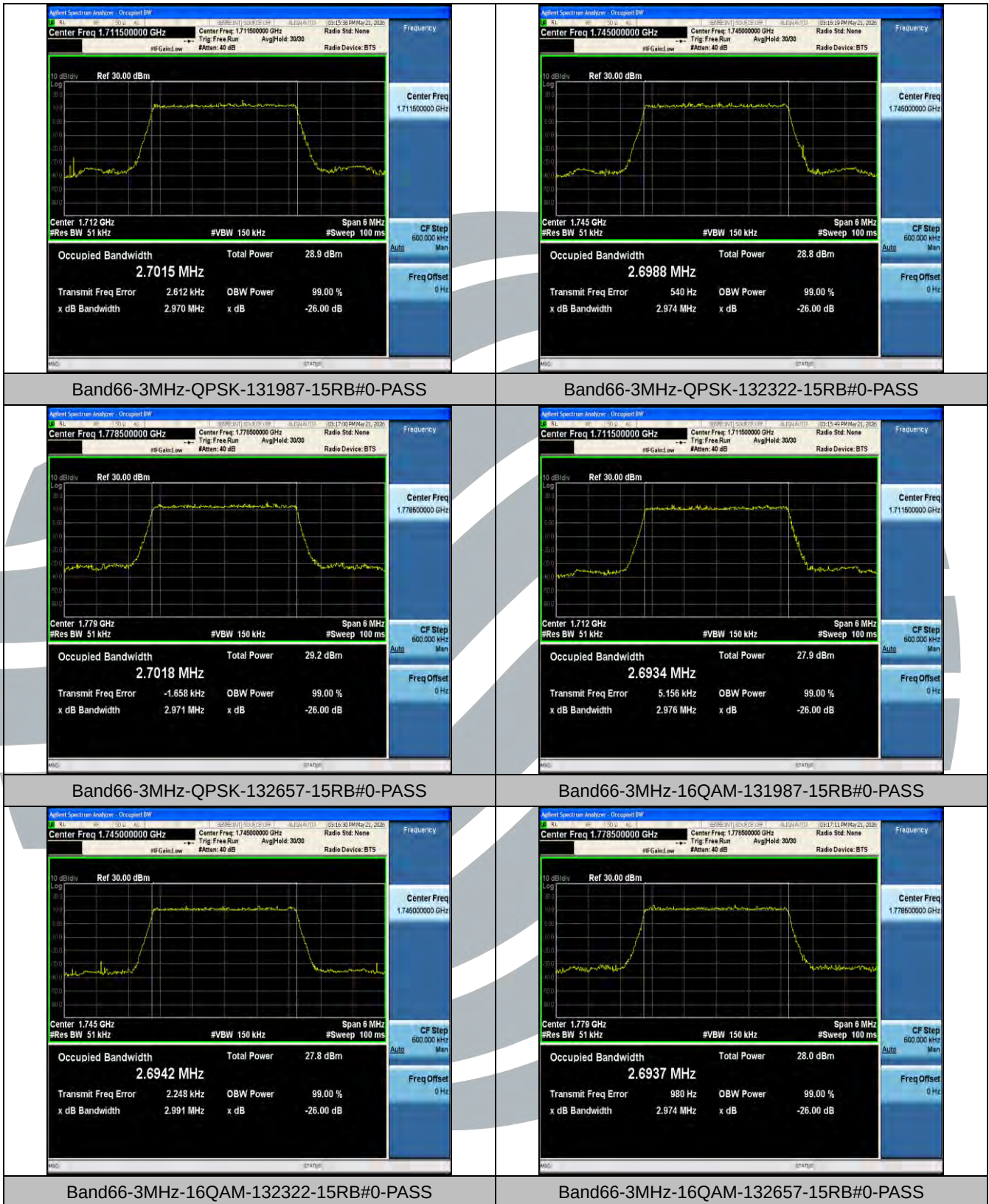
I.2 26DB BANDWIDTH AND OCCUPIED BANDWIDTH

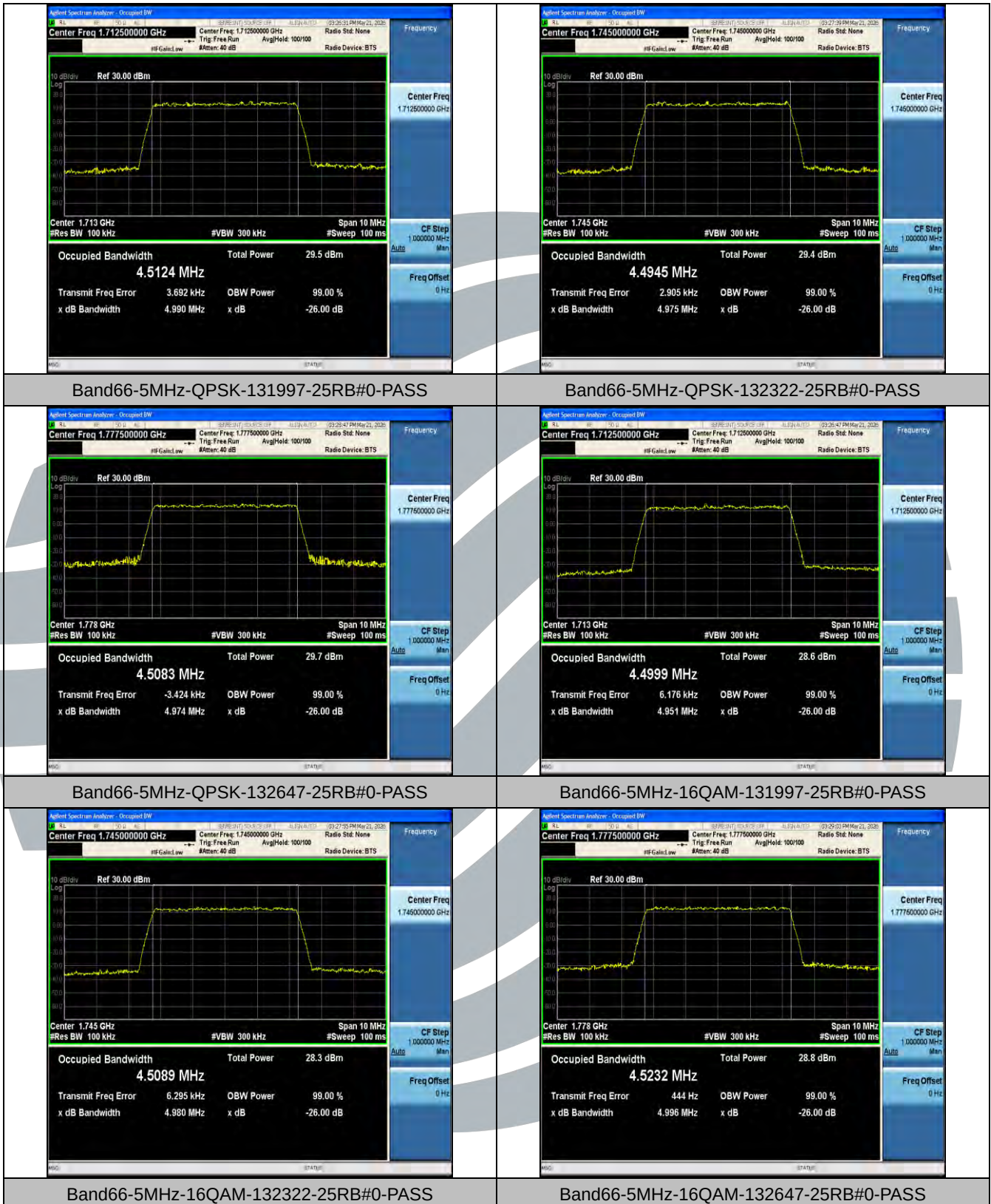
Test Result

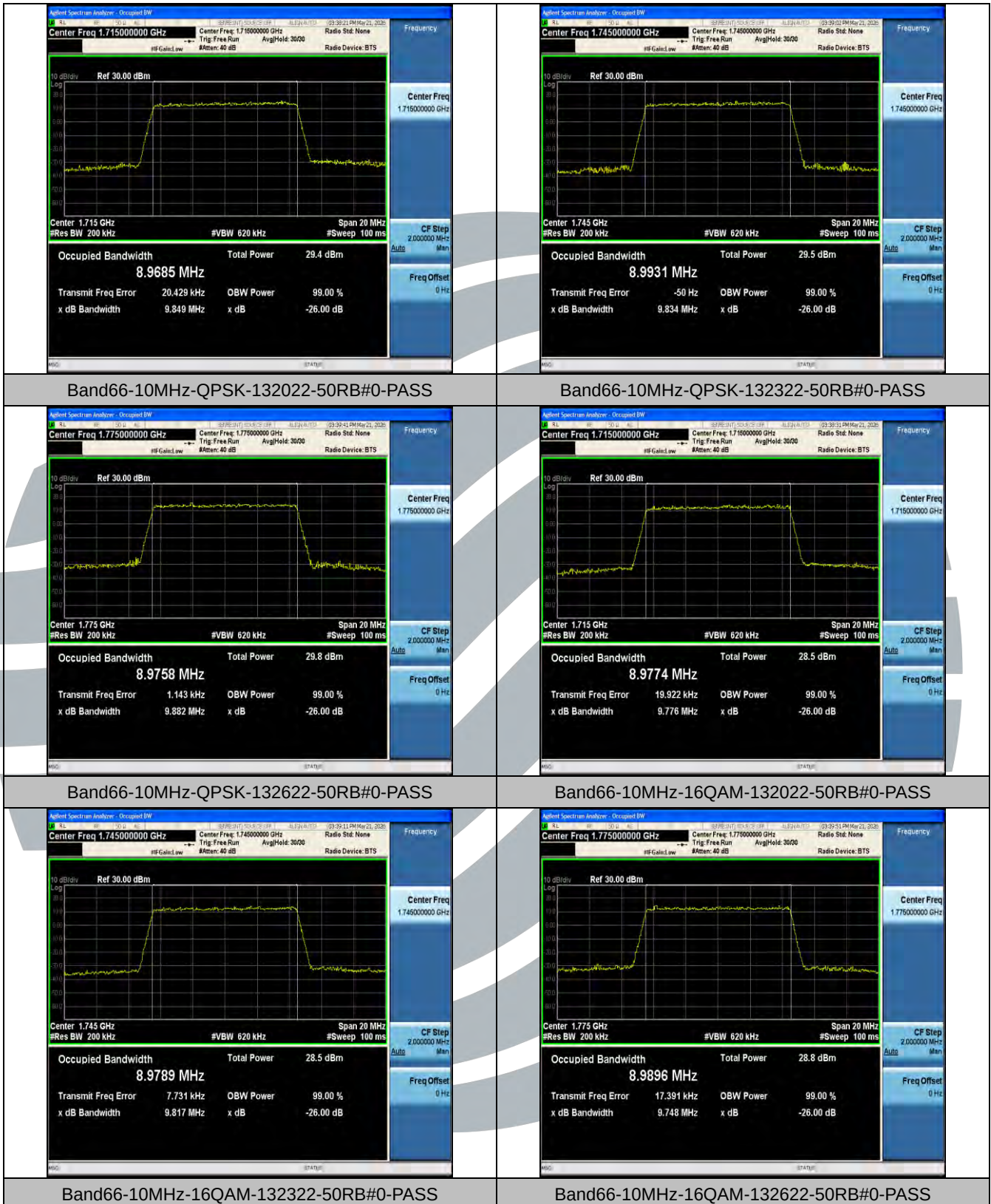
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.0922	1.239	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0926	1.244	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.0881	1.244	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.0940	1.242	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.0899	1.226	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.0931	1.239	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.7015	2.970	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.6988	2.974	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.7018	2.971	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.6934	2.976	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.6942	2.991	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.6937	2.974	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.5124	4.990	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.4945	4.975	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.5083	4.974	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.4999	4.951	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.5089	4.980	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.5232	4.996	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.9685	9.849	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.9931	9.834	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.9758	9.882	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.9774	9.776	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.9789	9.817	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.9896	9.748	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.475	14.71	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.460	14.79	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.452	14.74	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.442	14.68	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.493	14.65	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.487	14.71	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.860	19.41	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.976	19.76	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.972	19.50	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.889	19.41	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.940	19.45	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.989	19.68	PASS

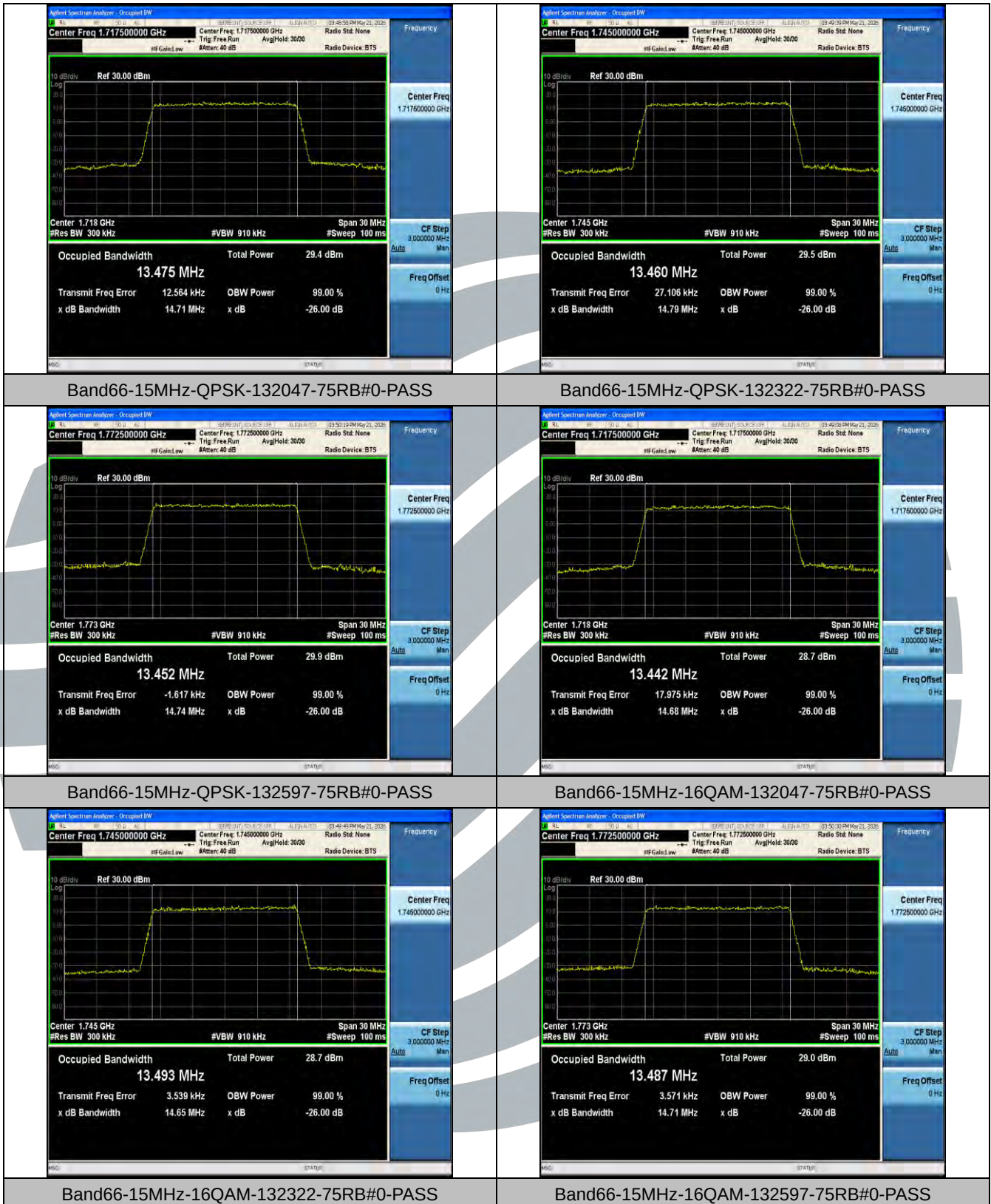
Test Graphs

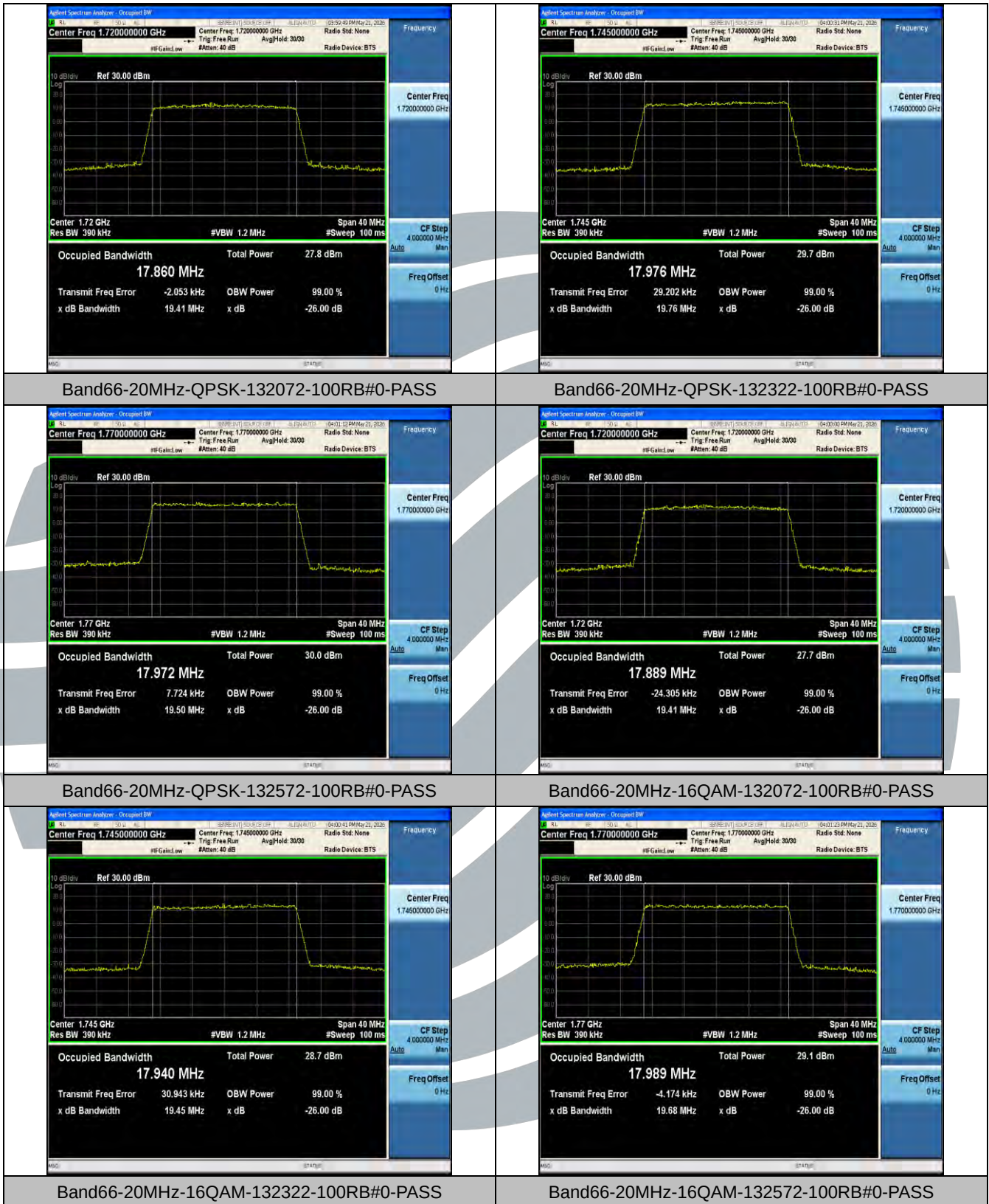












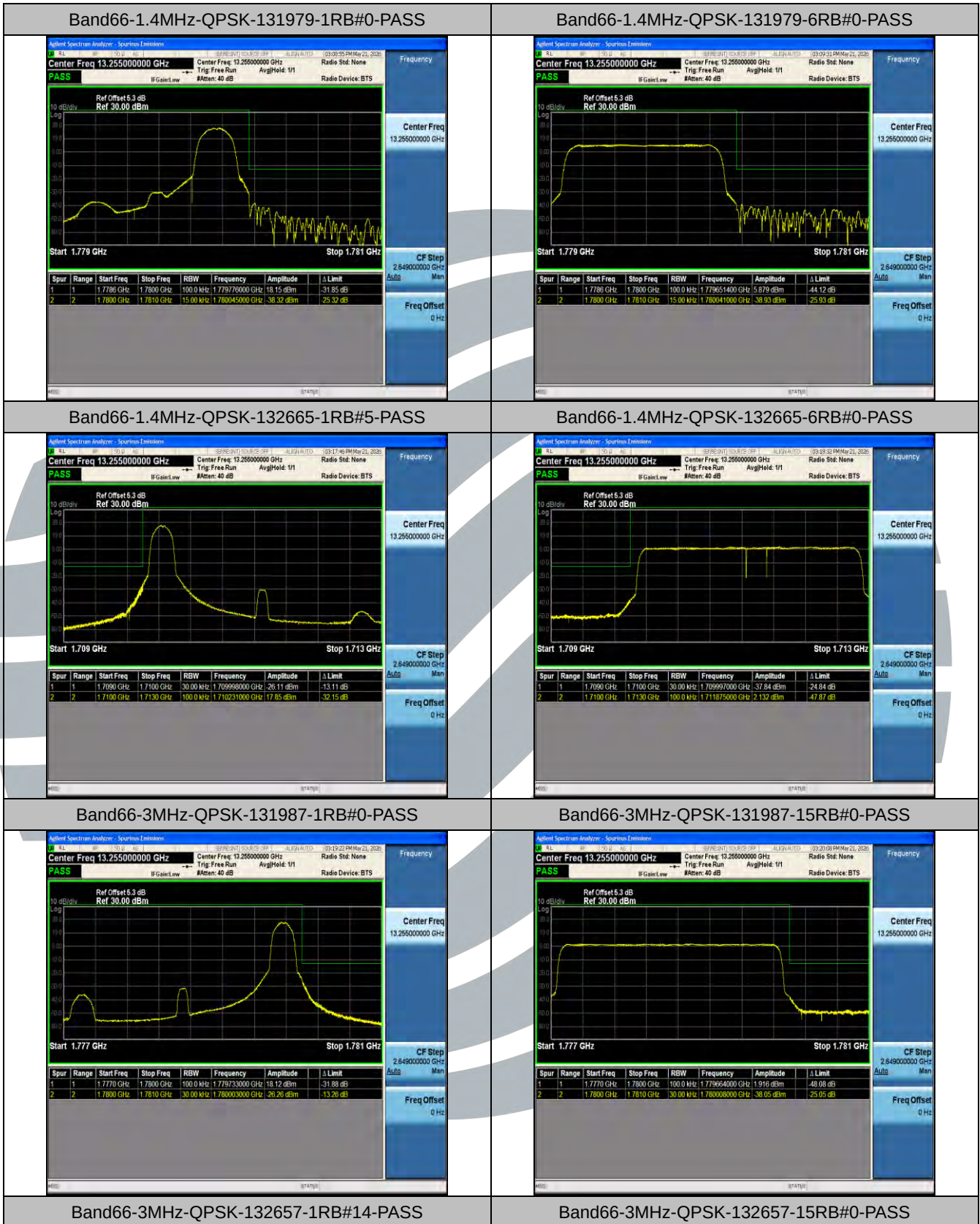
I.3 BAND EDGE

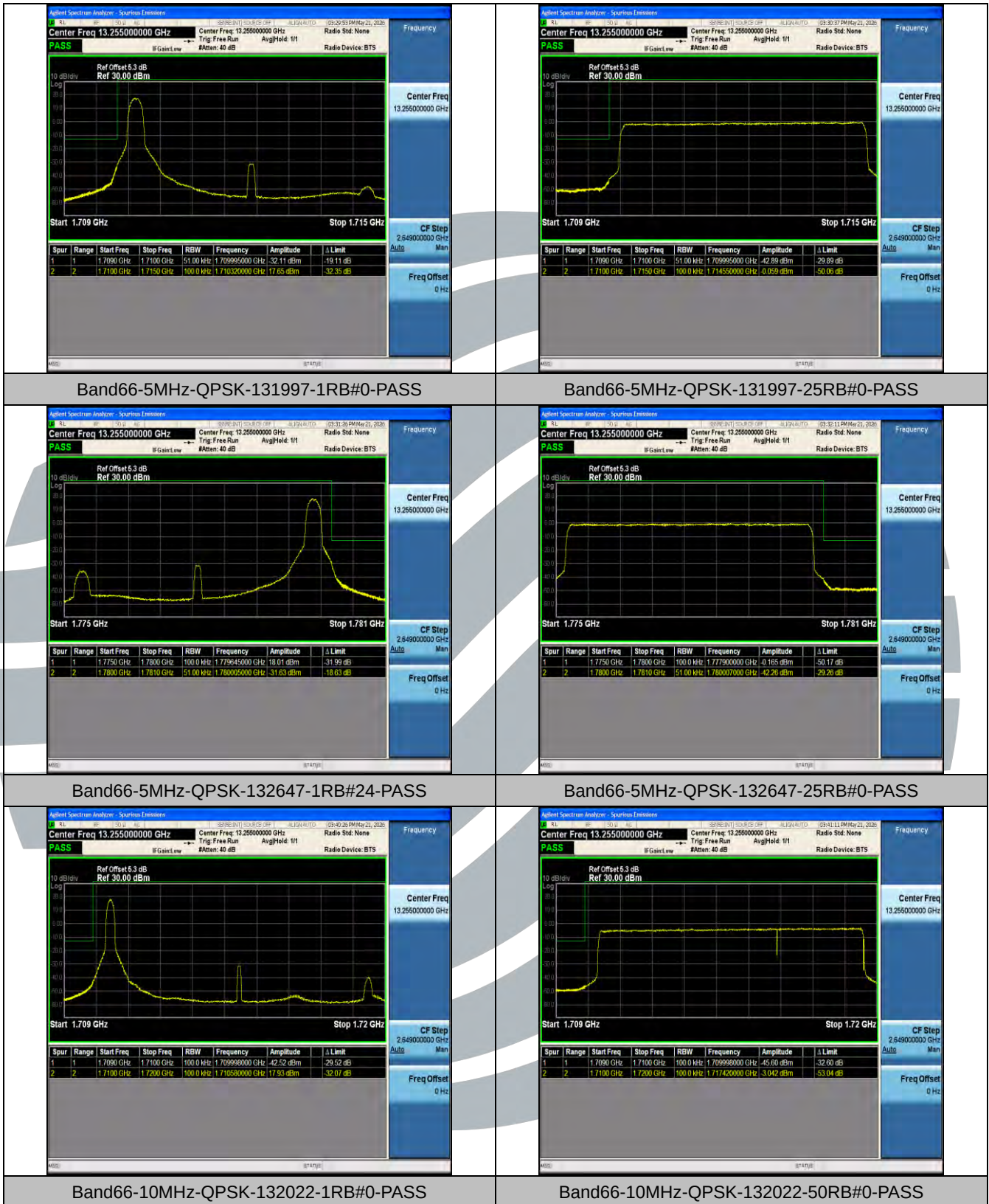
Test Result

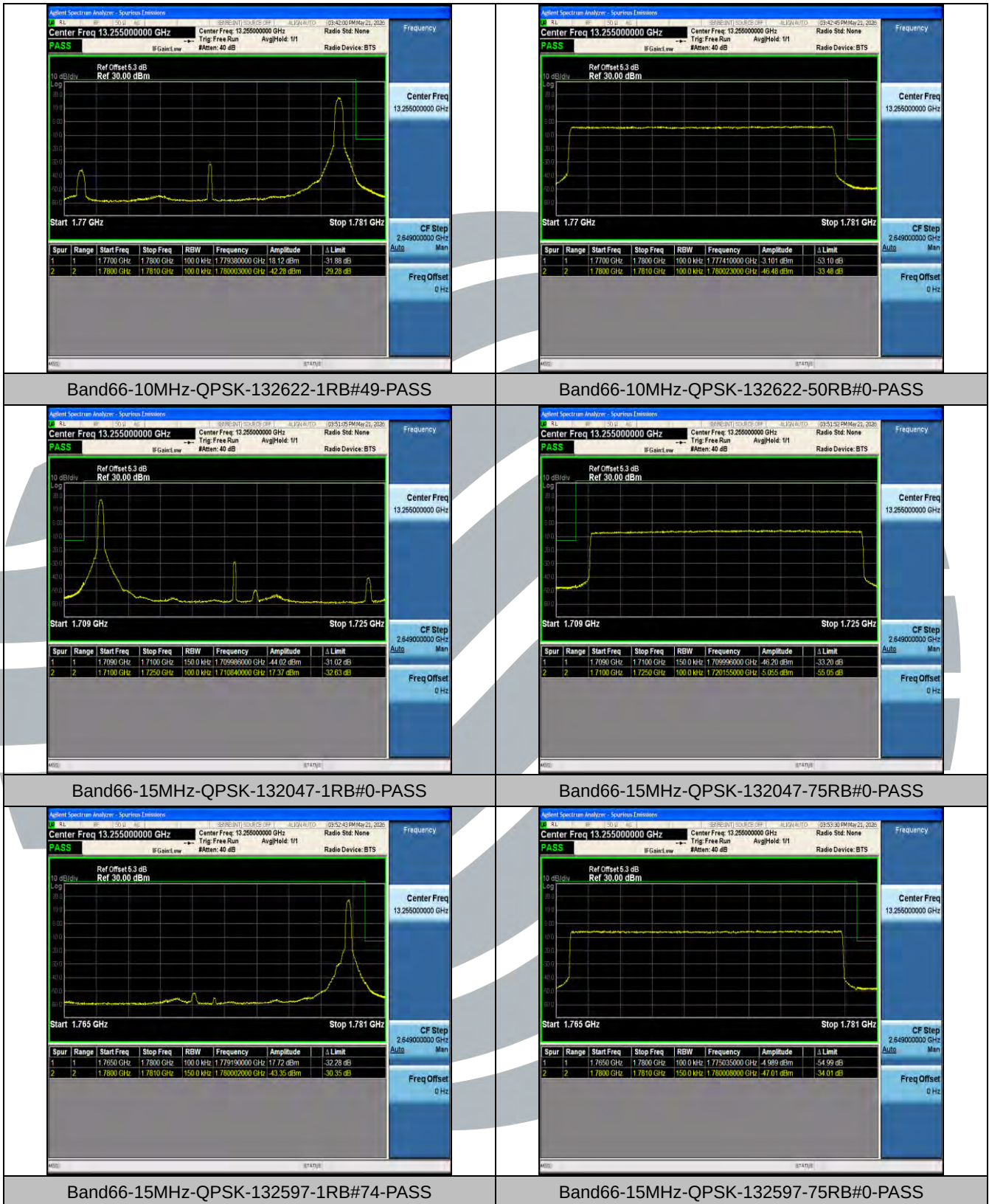
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	-37.85	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	-38.63	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	-38.32	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	-38.93	PASS
Band66	3MHz	QPSK	131987	1RB#0	-26.11	PASS
Band66	3MHz	QPSK	131987	15RB#0	-37.84	PASS
Band66	3MHz	QPSK	132657	1RB#14	-26.26	PASS
Band66	3MHz	QPSK	132657	15RB#0	-38.05	PASS
Band66	5MHz	QPSK	131997	1RB#0	-32.11	PASS
Band66	5MHz	QPSK	131997	25RB#0	-42.89	PASS
Band66	5MHz	QPSK	132647	1RB#24	-31.63	PASS
Band66	5MHz	QPSK	132647	25RB#0	-42.26	PASS
Band66	10MHz	QPSK	132022	1RB#0	-42.52	PASS
Band66	10MHz	QPSK	132022	50RB#0	-45.60	PASS
Band66	10MHz	QPSK	132622	1RB#49	-42.28	PASS
Band66	10MHz	QPSK	132622	50RB#0	-46.48	PASS
Band66	15MHz	QPSK	132047	1RB#0	-44.02	PASS
Band66	15MHz	QPSK	132047	75RB#0	-46.20	PASS
Band66	15MHz	QPSK	132597	1RB#74	-43.35	PASS
Band66	15MHz	QPSK	132597	75RB#0	-47.01	PASS
Band66	20MHz	QPSK	132072	1RB#0	-46.40	PASS
Band66	20MHz	QPSK	132072	100RB#0	-45.18	PASS
Band66	20MHz	QPSK	132572	1RB#99	-45.16	PASS
Band66	20MHz	QPSK	132572	100RB#0	-46.66	PASS

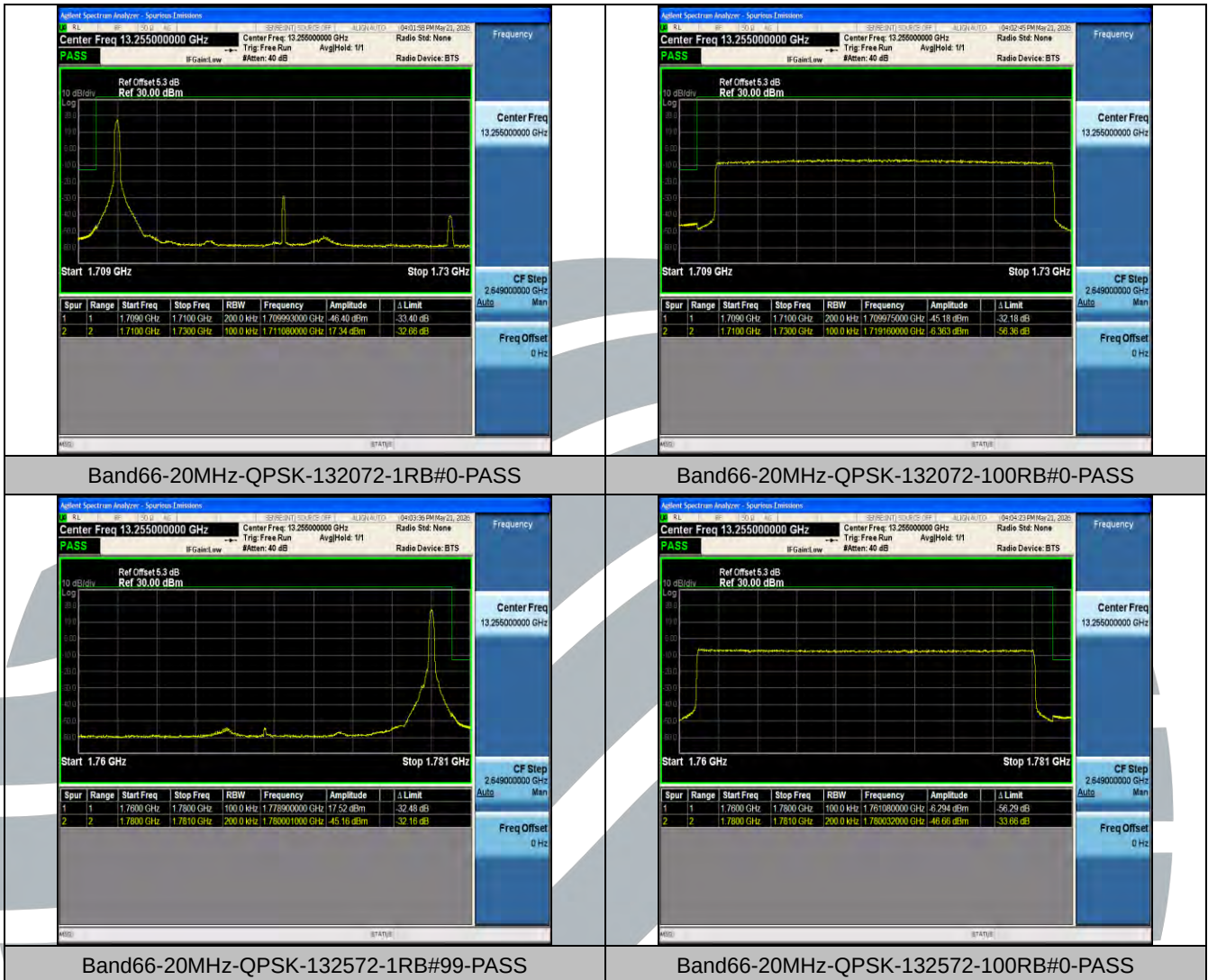
Test Graphs









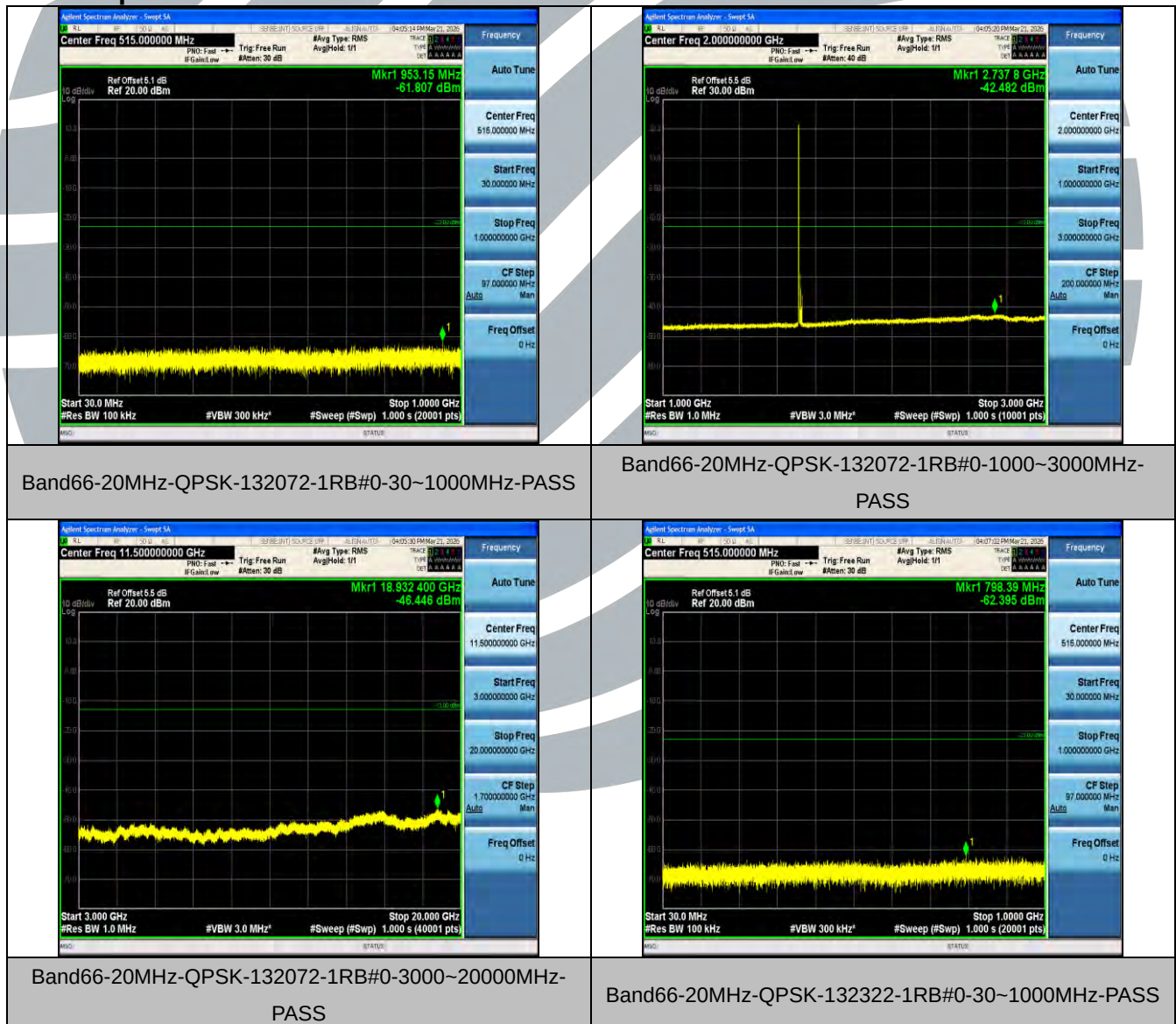


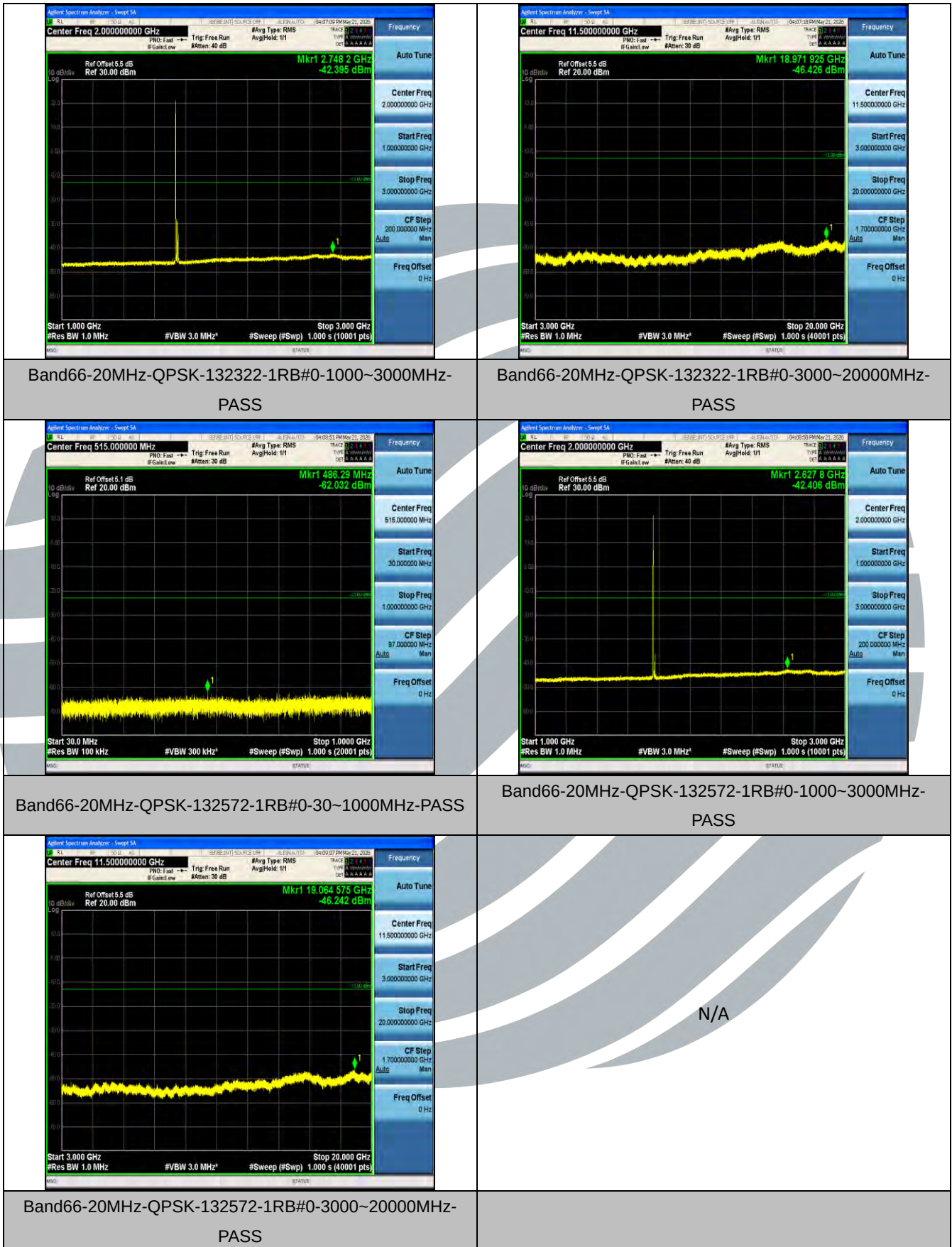
I.4 CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range (MHz)	Result (dBm)	Verdict
Band66	20MHz	QPSK	132072	1RB#0	30~1000	-61.81	PASS
Band66	20MHz	QPSK	132072	1RB#0	1000~3000	-42.48	PASS
Band66	20MHz	QPSK	132072	1RB#0	3000~20000	-46.45	PASS
Band66	20MHz	QPSK	132322	1RB#0	30~1000	-62.40	PASS
Band66	20MHz	QPSK	132322	1RB#0	1000~3000	-42.40	PASS
Band66	20MHz	QPSK	132322	1RB#0	3000~20000	-46.43	PASS
Band66	20MHz	QPSK	132572	1RB#0	30~1000	-62.03	PASS
Band66	20MHz	QPSK	132572	1RB#0	1000~3000	-42.41	PASS
Band66	20MHz	QPSK	132572	1RB#0	3000~20000	-46.24	PASS

Test Graphs







I.5 FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temp. (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	-8.43	-0.004831	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	-6.18	-0.003542	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-4.32	-0.002476	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temp. (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-5.58	-0.003198	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	-5.04	-0.002888	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-10	-6.72	-0.003851	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	-3.03	-0.001736	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	-4.79	-0.002745	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-4.75	-0.002722	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	30	-4.76	-0.002728	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	40	-2.89	-0.001656	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	50	-3.20	-0.001834	±2.5	PASS