

FCC Appendix RF Test Data for LTE Band 66

FCC ID : 2BVMZ-Q153

Company : Shenzhen Yingtuo Intelligent Technology Co., Ltd

EUT : 4G kids smart watch

Model Number : Q153

Report No. : CTA26040900609

Reviewed By : Eric Wang

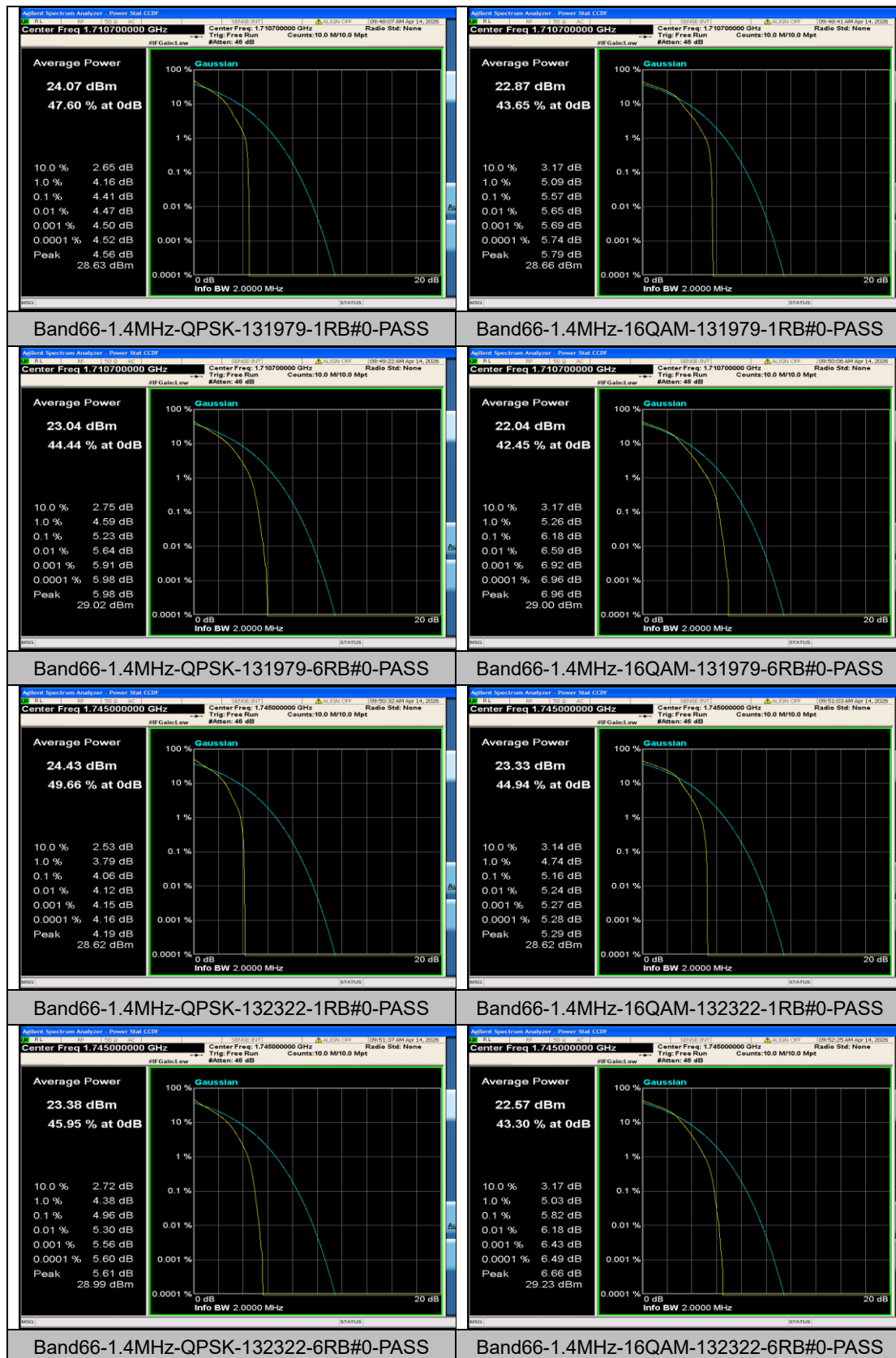
Appendix A: Peak-to-Average Ratio(CCDF)

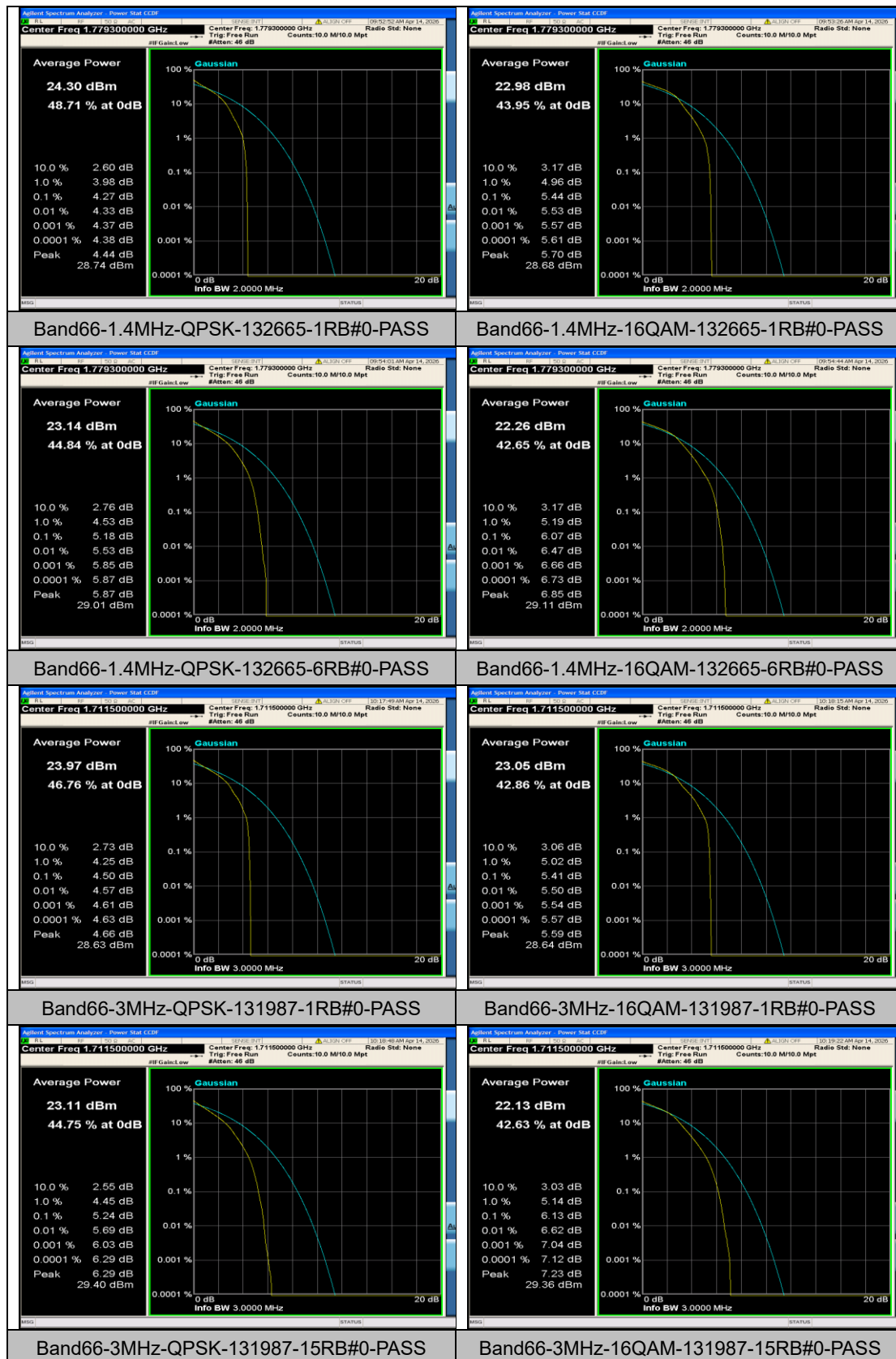
Test Result

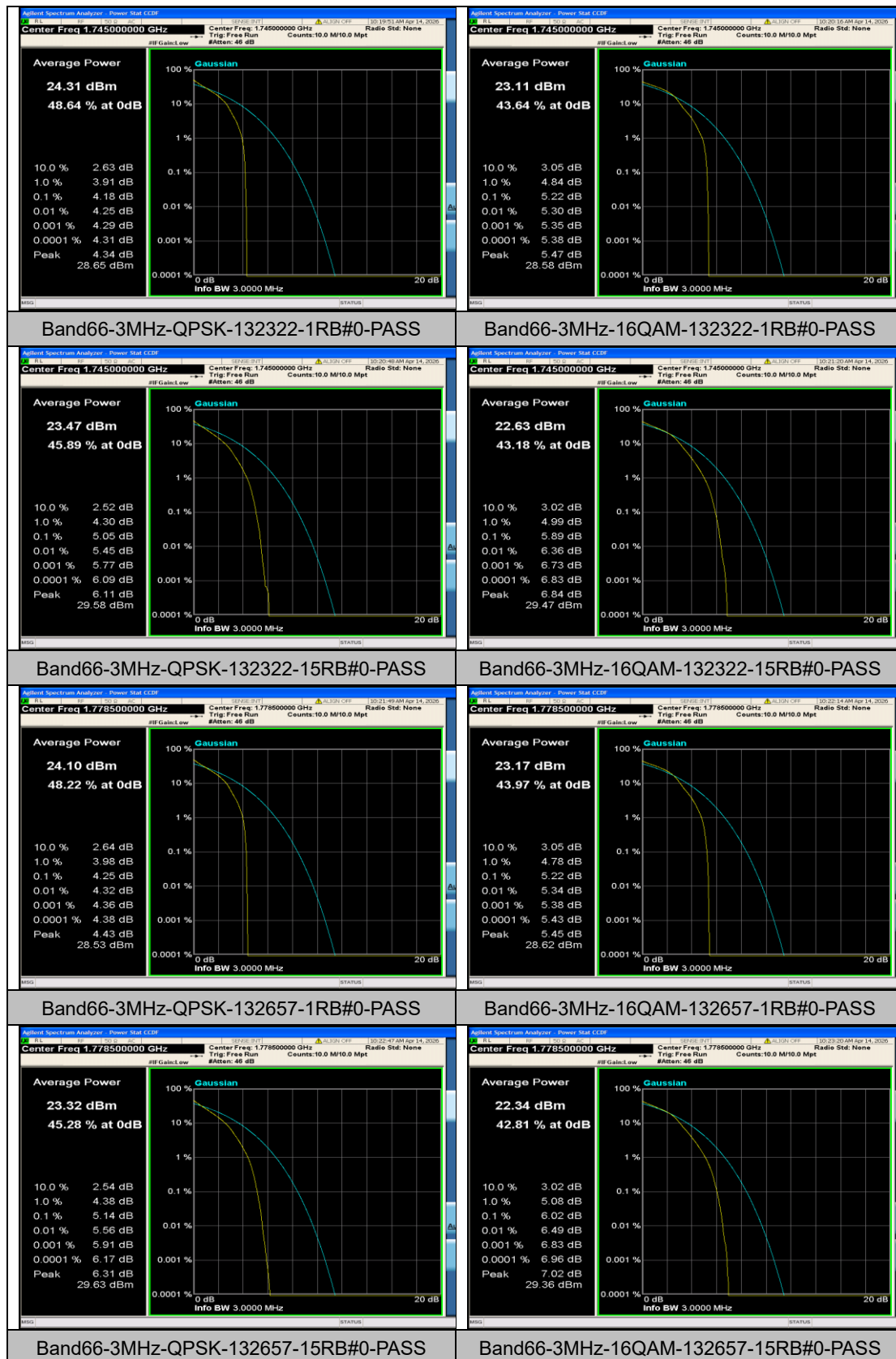
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	4.41	13	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	5.57	13	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	5.23	13	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	6.18	13	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	4.06	13	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	5.16	13	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	4.96	13	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	5.82	13	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	4.27	13	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	5.44	13	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	5.18	13	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	6.07	13	PASS
Band66	3MHz	QPSK	131987	1RB#0	4.50	13	PASS
Band66	3MHz	16QAM	131987	1RB#0	5.41	13	PASS
Band66	3MHz	QPSK	131987	15RB#0	5.24	13	PASS
Band66	3MHz	16QAM	131987	15RB#0	6.13	13	PASS
Band66	3MHz	QPSK	132322	1RB#0	4.18	13	PASS
Band66	3MHz	16QAM	132322	1RB#0	5.22	13	PASS
Band66	3MHz	QPSK	132322	15RB#0	5.05	13	PASS
Band66	3MHz	16QAM	132322	15RB#0	5.89	13	PASS
Band66	3MHz	QPSK	132657	1RB#0	4.25	13	PASS
Band66	3MHz	16QAM	132657	1RB#0	5.22	13	PASS
Band66	3MHz	QPSK	132657	15RB#0	5.14	13	PASS
Band66	3MHz	16QAM	132657	15RB#0	6.02	13	PASS
Band66	5MHz	QPSK	131997	1RB#0	4.51	13	PASS
Band66	5MHz	16QAM	131997	1RB#0	5.44	13	PASS
Band66	5MHz	QPSK	131997	25RB#0	5.19	13	PASS
Band66	5MHz	16QAM	131997	25RB#0	6.05	13	PASS
Band66	5MHz	QPSK	132322	1RB#0	4.18	13	PASS
Band66	5MHz	16QAM	132322	1RB#0	5.08	13	PASS
Band66	5MHz	QPSK	132322	25RB#0	5.01	13	PASS
Band66	5MHz	16QAM	132322	25RB#0	5.90	13	PASS
Band66	5MHz	QPSK	132647	1RB#0	4.06	13	PASS
Band66	5MHz	16QAM	132647	1RB#0	4.96	13	PASS
Band66	5MHz	QPSK	132647	25RB#0	5.06	13	PASS
Band66	5MHz	16QAM	132647	25RB#0	5.90	13	PASS
Band66	10MHz	QPSK	132022	1RB#0	4.45	13	PASS

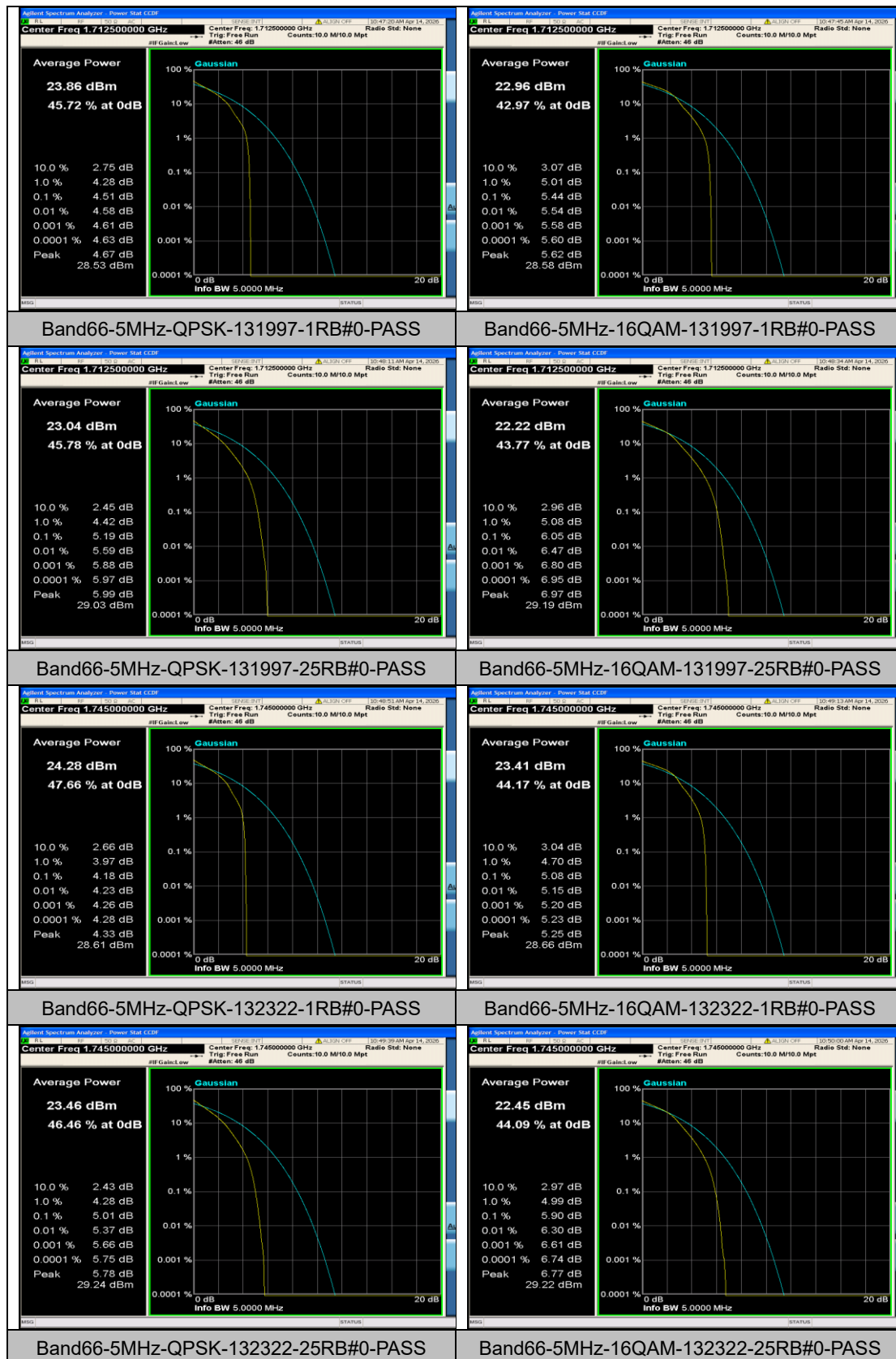
Band66	10MHz	16QAM	132022	1RB#0	5.32	13	PASS
Band66	10MHz	QPSK	132322	1RB#0	4.30	13	PASS
Band66	10MHz	16QAM	132322	1RB#0	5.15	13	PASS
Band66	10MHz	QPSK	132622	1RB#0	4.26	13	PASS
Band66	10MHz	16QAM	132622	1RB#0	5.20	13	PASS
Band66	10MHz	QPSK	132022	50RB#0	5.14	13	PASS
Band66	10MHz	QPSK	132322	50RB#0	5.21	13	PASS
Band66	10MHz	QPSK	132622	50RB#0	5.20	13	PASS
Band66	15MHz	QPSK	132047	1RB#0	4.41	13	PASS
Band66	15MHz	16QAM	132047	1RB#0	5.36	13	PASS
Band66	15MHz	QPSK	132322	1RB#0	4.39	13	PASS
Band66	15MHz	16QAM	132322	1RB#0	5.41	13	PASS
Band66	15MHz	QPSK	132597	1RB#0	4.63	13	PASS
Band66	15MHz	16QAM	132597	1RB#0	5.62	13	PASS
Band66	15MHz	QPSK	132047	75RB#0	5.21	13	PASS
Band66	15MHz	QPSK	132322	75RB#0	5.37	13	PASS
Band66	15MHz	QPSK	132597	75RB#0	5.46	13	PASS
Band66	20MHz	QPSK	132072	1RB#0	4.41	13	PASS
Band66	20MHz	QPSK	132322	1RB#0	4.90	13	PASS
Band66	20MHz	QPSK	132572	1RB#0	5.04	13	PASS
Band66	20MHz	QPSK	132072	100RB#0	5.07	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.29	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.47	13	PASS

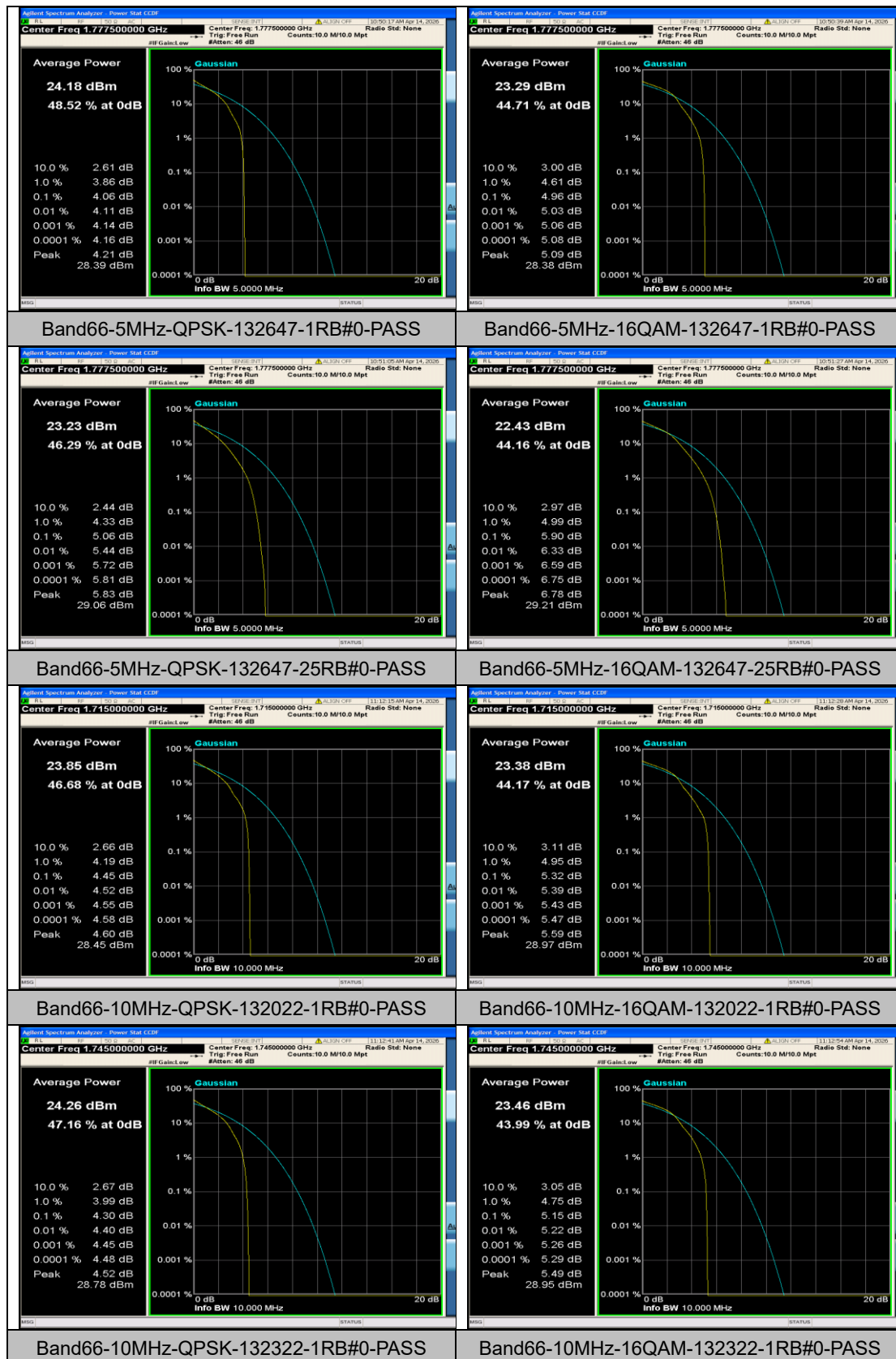
Test Graphs

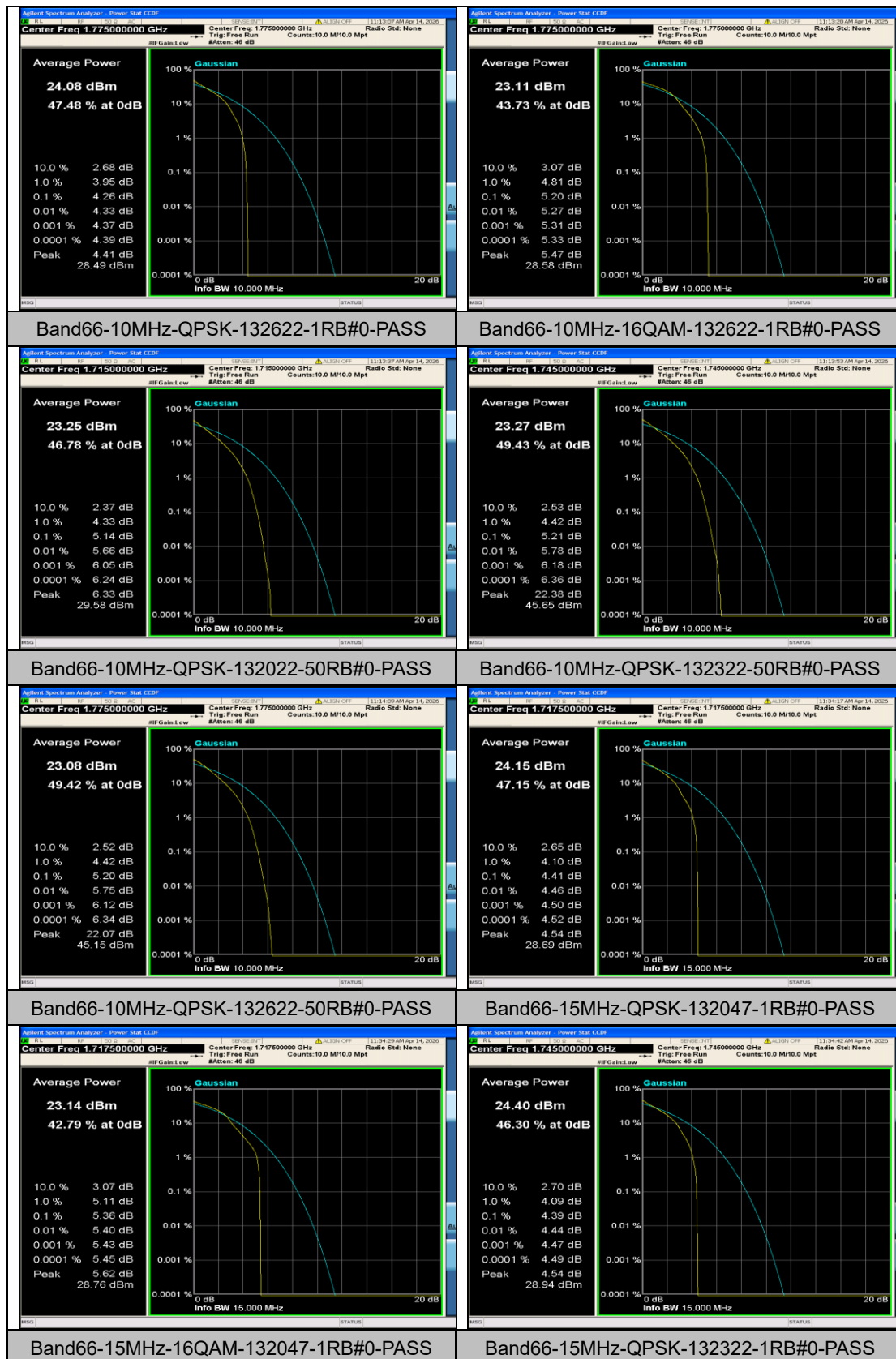


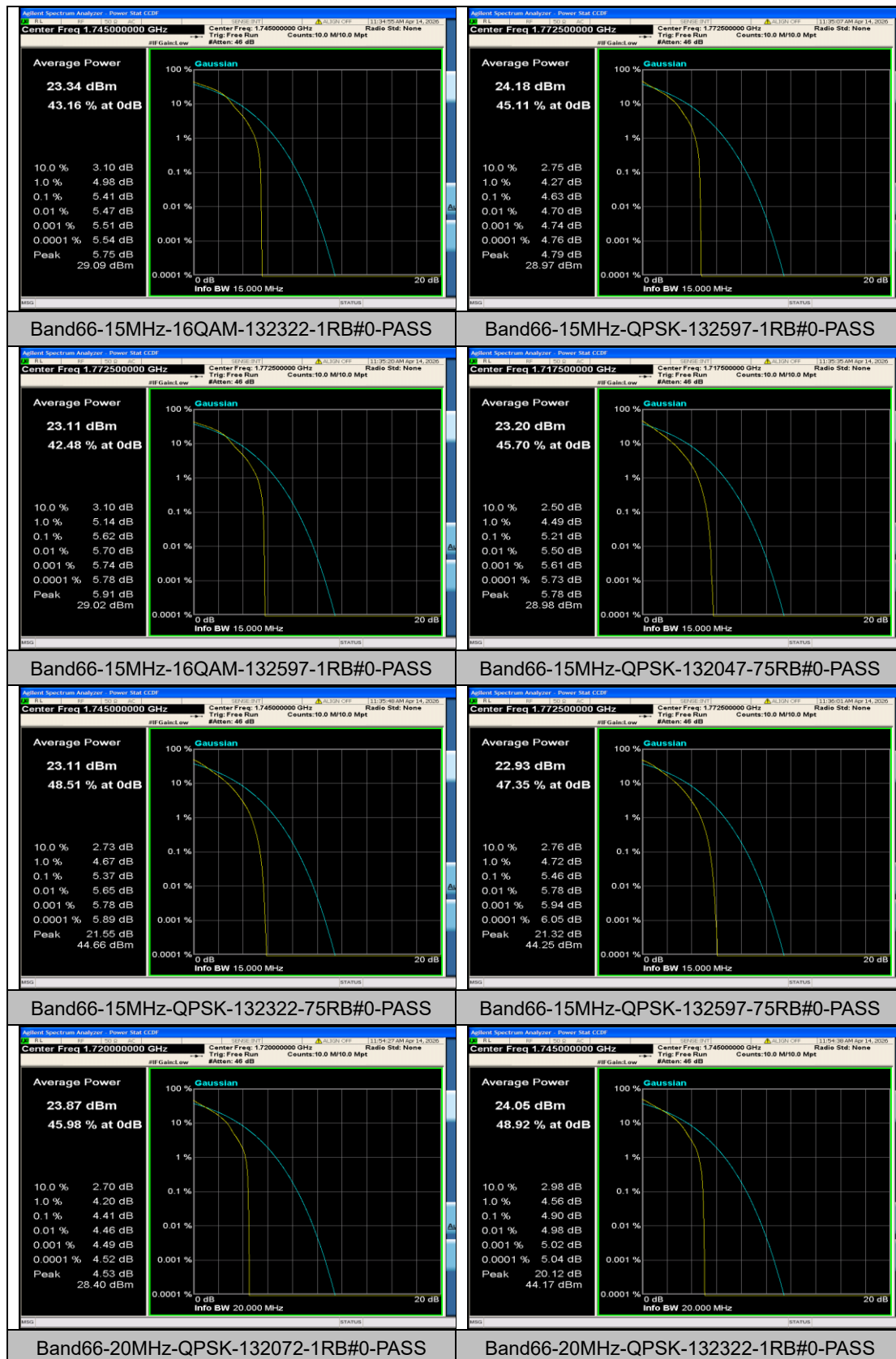


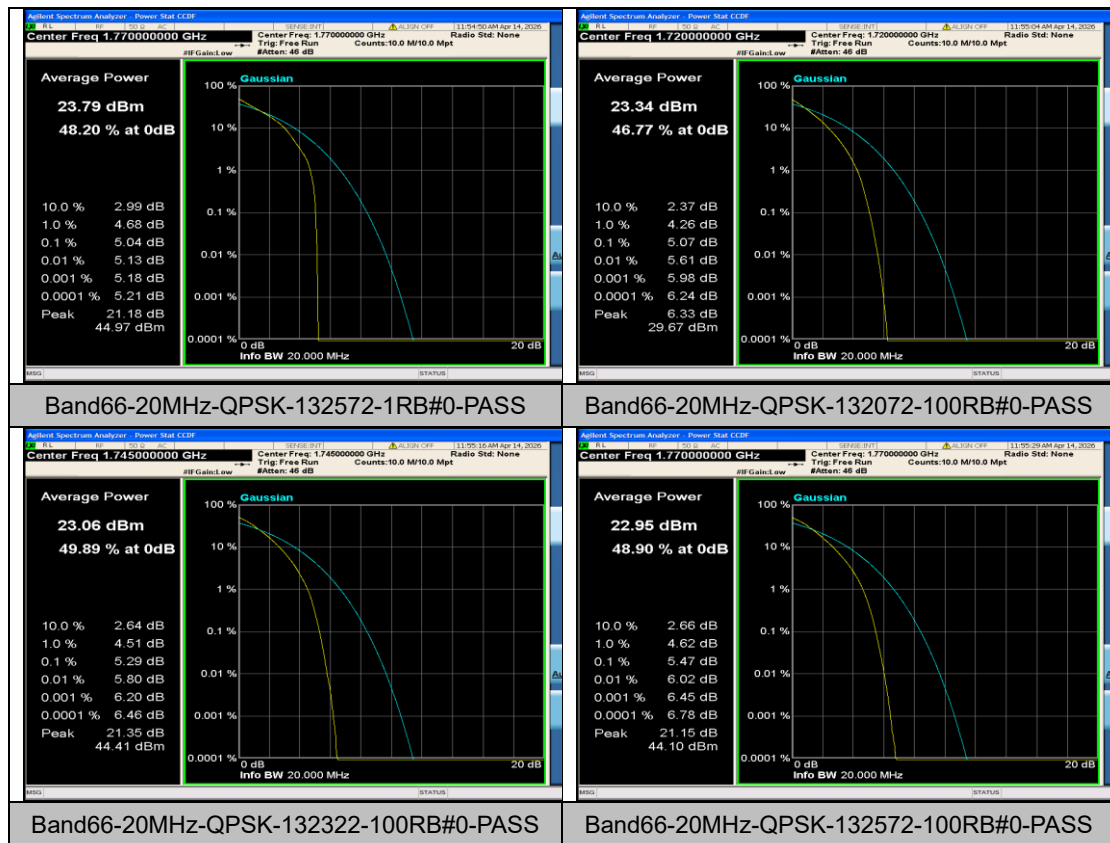










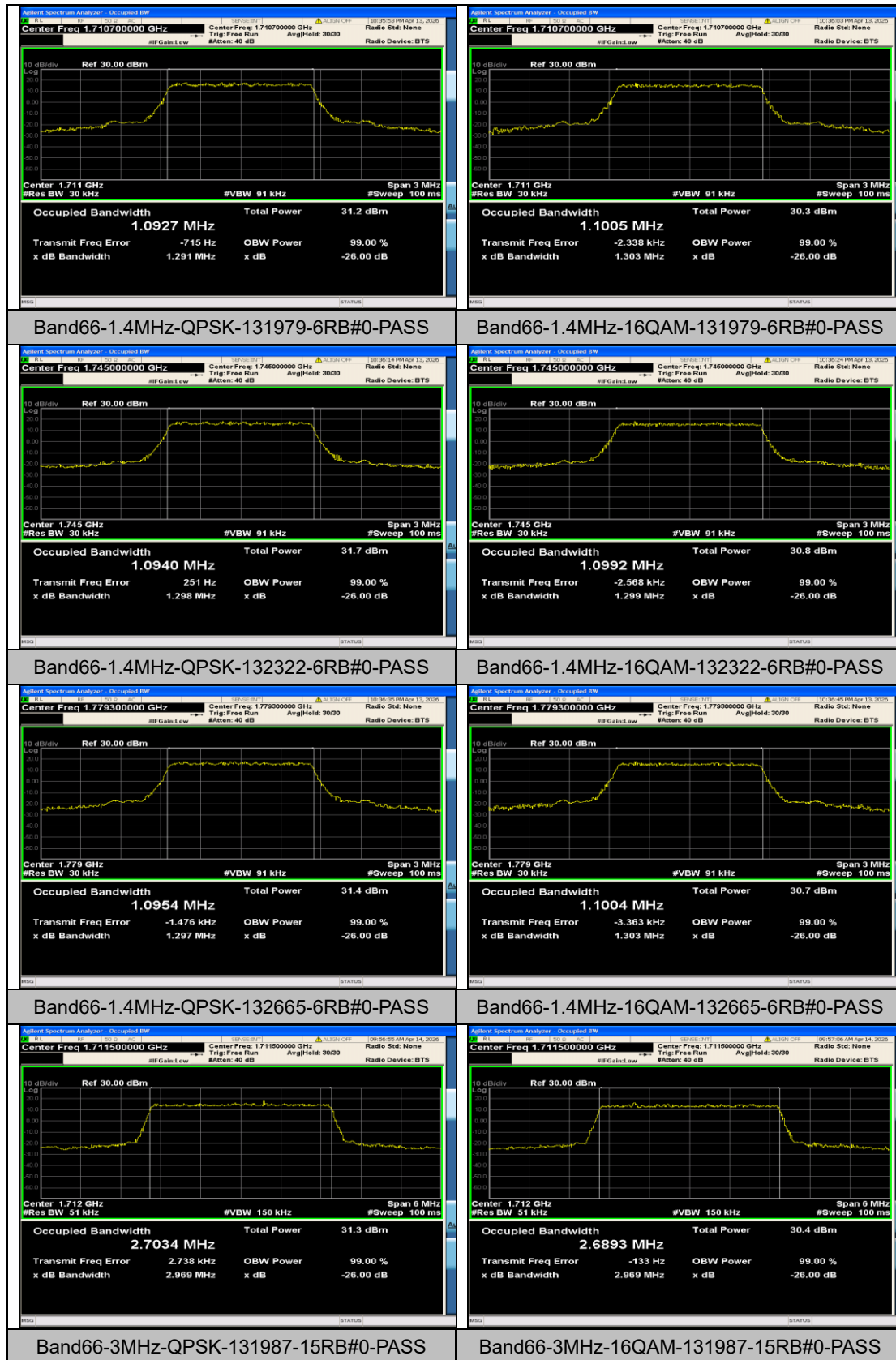


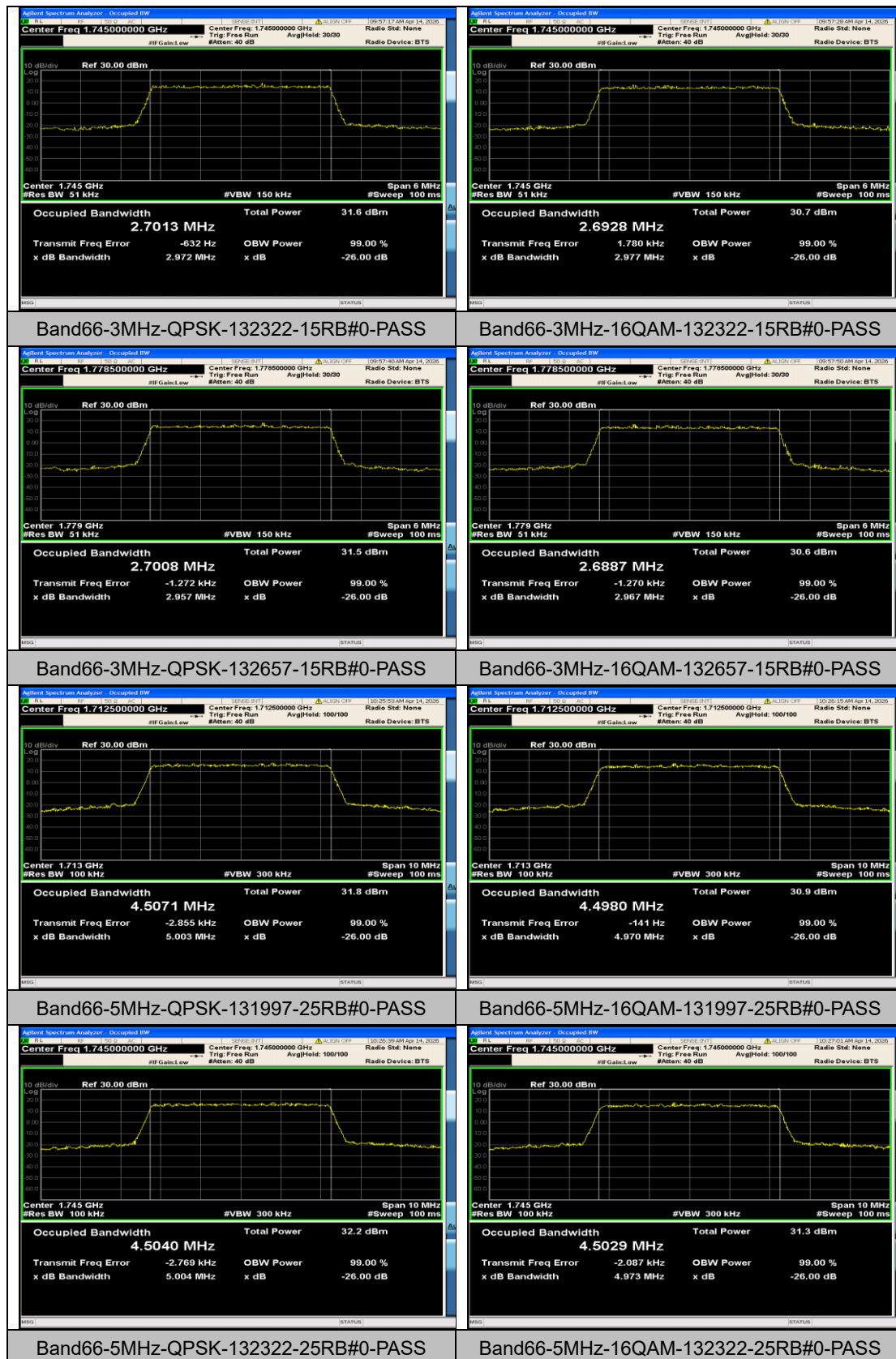
Appendix B: 26dB Bandwidth and Occupied Bandwidth

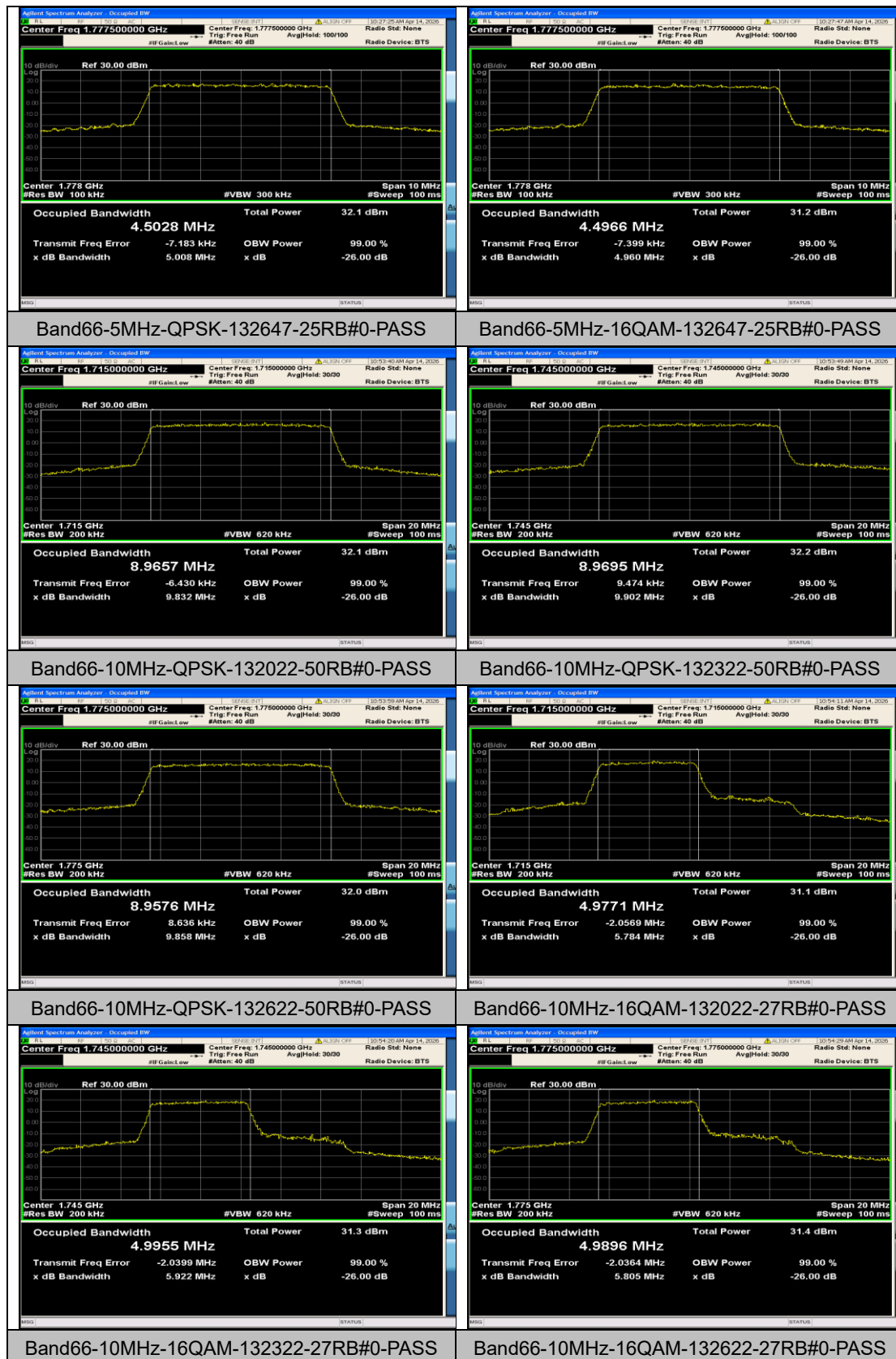
Test Result

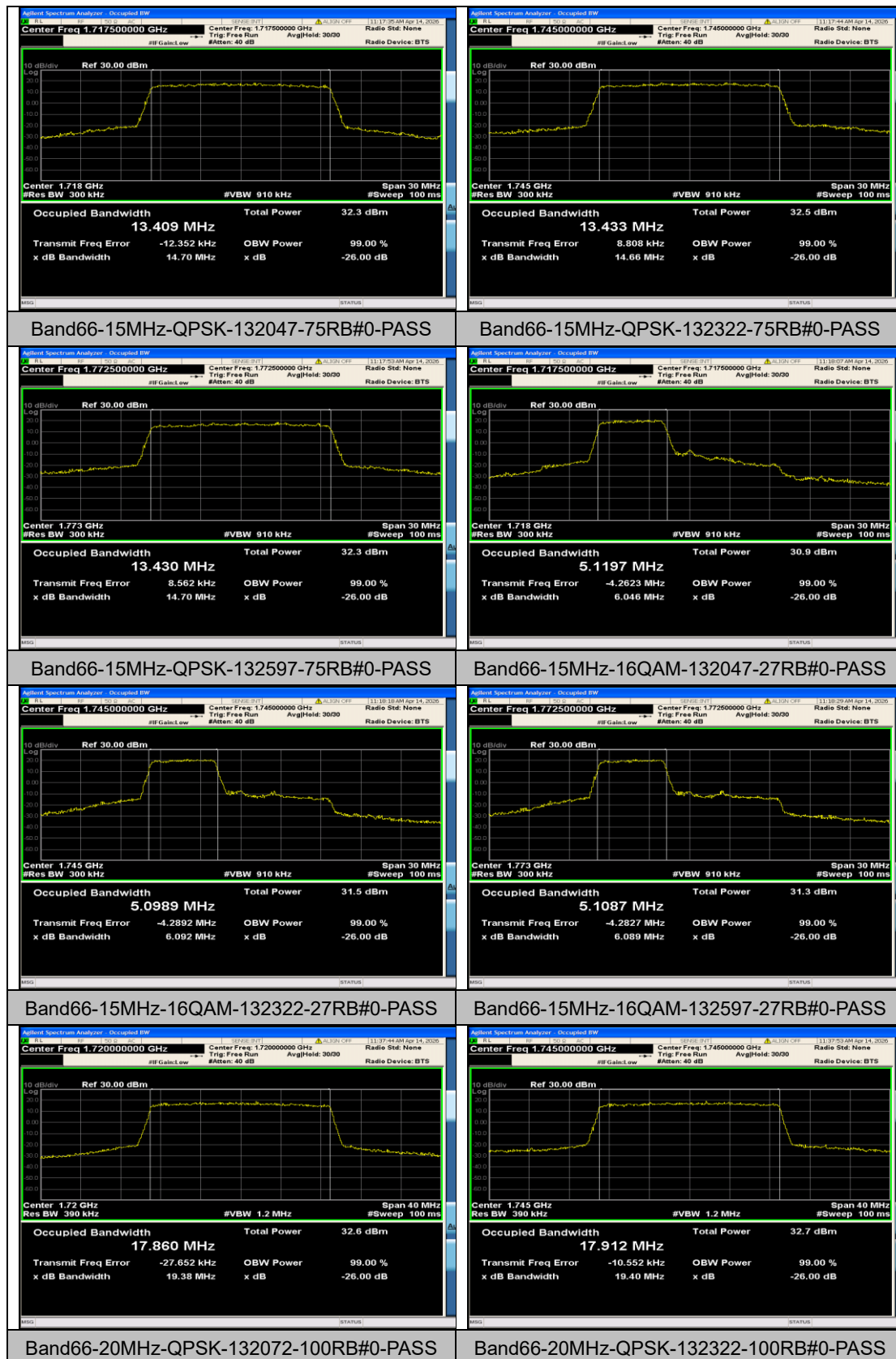
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.0927	1.291	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.1005	1.303	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0940	1.298	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.0992	1.299	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.0954	1.297	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.1004	1.303	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.7034	2.969	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.6893	2.969	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.7013	2.972	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.6928	2.977	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.7008	2.957	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.6887	2.967	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.5071	5.003	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.4980	4.970	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.5040	5.004	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.5029	4.973	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.5028	5.008	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.4966	4.960	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.9657	9.832	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.9695	9.902	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.9576	9.858	PASS
Band66	10MHz	16QAM	132022	27RB#0	4.9771	5.784	PASS
Band66	10MHz	16QAM	132322	27RB#0	4.9955	5.922	PASS
Band66	10MHz	16QAM	132622	27RB#0	4.9896	5.805	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.409	14.70	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.433	14.66	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.430	14.70	PASS
Band66	15MHz	16QAM	132047	27RB#0	5.1197	6.046	PASS
Band66	15MHz	16QAM	132322	27RB#0	5.0989	6.092	PASS
Band66	15MHz	16QAM	132597	27RB#0	5.1087	6.089	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.860	19.38	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.912	19.40	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.932	19.38	PASS
Band66	20MHz	16QAM	132072	27RB#0	5.2295	6.501	PASS
Band66	20MHz	16QAM	132322	27RB#0	5.2590	6.743	PASS
Band66	20MHz	16QAM	132572	27RB#0	5.2565	6.478	PASS

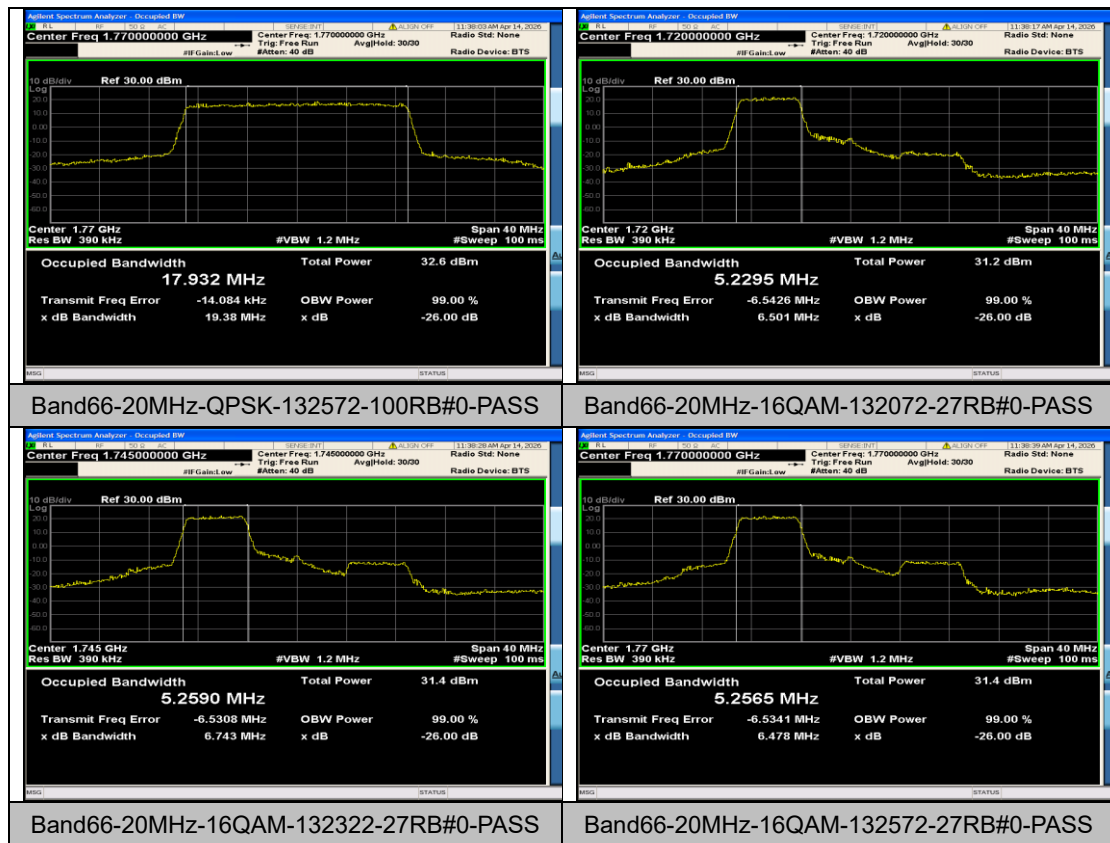
Test Graphs











Appendix C: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	-18.12	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	-21.50	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	-35.72	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	-38.61	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	-22.37	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	-25.58	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	-32.93	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	-39.24	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	-19.53	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	-26.77	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	-23.58	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	-27.13	PASS
Band66	3MHz	QPSK	131987	1RB#0	-23.76	PASS
Band66	3MHz	16QAM	131987	1RB#0	-25.64	PASS
Band66	3MHz	QPSK	131987	1RB#14	-46.19	PASS
Band66	3MHz	16QAM	131987	1RB#14	-47.23	PASS
Band66	3MHz	QPSK	131987	15RB#0	-29.00	PASS
Band66	3MHz	16QAM	131987	15RB#0	-30.95	PASS
Band66	3MHz	QPSK	132657	1RB#0	-46.51	PASS
Band66	3MHz	16QAM	132657	1RB#0	-47.54	PASS
Band66	3MHz	QPSK	132657	1RB#14	-22.87	PASS
Band66	3MHz	16QAM	132657	1RB#14	-25.05	PASS
Band66	3MHz	QPSK	132657	15RB#0	-30.09	PASS
Band66	3MHz	16QAM	132657	15RB#0	-31.08	PASS
Band66	5MHz	QPSK	131997	1RB#0	-29.07	PASS
Band66	5MHz	16QAM	131997	1RB#0	-30.00	PASS
Band66	5MHz	QPSK	131997	1RB#24	-54.23	PASS
Band66	5MHz	16QAM	131997	1RB#24	-54.21	PASS
Band66	5MHz	QPSK	131997	25RB#0	-31.08	PASS
Band66	5MHz	16QAM	131997	25RB#0	-32.36	PASS
Band66	5MHz	QPSK	132647	1RB#0	-51.58	PASS
Band66	5MHz	16QAM	132647	1RB#0	-52.25	PASS
Band66	5MHz	QPSK	132647	1RB#24	-27.98	PASS
Band66	5MHz	16QAM	132647	1RB#24	-29.65	PASS
Band66	5MHz	QPSK	132647	25RB#0	-31.05	PASS
Band66	5MHz	16QAM	132647	25RB#0	-32.37	PASS
Band66	10MHz	QPSK	132022	1RB#0	-38.75	PASS

Band66	10MHz	16QAM	132022	1RB#0	-40.40	PASS
Band66	10MHz	QPSK	132022	1RB#49	-53.20	PASS
Band66	10MHz	16QAM	132022	1RB#49	-53.22	PASS
Band66	10MHz	QPSK	132622	1RB#0	-52.41	PASS
Band66	10MHz	16QAM	132622	1RB#0	-53.10	PASS
Band66	10MHz	QPSK	132622	1RB#49	-38.75	PASS
Band66	10MHz	16QAM	132622	1RB#49	-38.70	PASS
Band66	10MHz	QPSK	132022	50RB#0	-33.48	PASS
Band66	10MHz	QPSK	132622	50RB#0	-33.08	PASS
Band66	15MHz	QPSK	132047	1RB#0	-39.71	PASS
Band66	15MHz	16QAM	132047	1RB#0	-40.67	PASS
Band66	15MHz	QPSK	132047	1RB#74	-51.99	PASS
Band66	15MHz	16QAM	132047	1RB#74	-52.19	PASS
Band66	15MHz	QPSK	132597	1RB#0	-51.37	PASS
Band66	15MHz	16QAM	132597	1RB#0	-52.26	PASS
Band66	15MHz	QPSK	132597	1RB#74	-39.17	PASS
Band66	15MHz	16QAM	132597	1RB#74	-39.65	PASS
Band66	15MHz	QPSK	132047	75RB#0	-34.96	PASS
Band66	15MHz	QPSK	132597	75RB#0	-33.78	PASS
Band66	20MHz	QPSK	132072	1RB#0	-40.82	PASS
Band66	20MHz	16QAM	132072	1RB#0	-41.39	PASS
Band66	20MHz	QPSK	132072	1RB#99	-51.43	PASS
Band66	20MHz	16QAM	132072	1RB#99	-51.61	PASS
Band66	20MHz	QPSK	132572	1RB#0	-51.49	PASS
Band66	20MHz	16QAM	132572	1RB#0	-51.35	PASS
Band66	20MHz	QPSK	132572	1RB#99	-39.84	PASS
Band66	20MHz	16QAM	132572	1RB#99	-40.97	PASS
Band66	20MHz	QPSK	132072	100RB#0	-34.55	PASS
Band66	20MHz	QPSK	132572	100RB#0	-33.86	PASS

Test Graphs

