

FCC LTE Band Test Data

FCC ID : 2BL6E-KDC-LT31

Company: : Eyesun Technology Co.,Ltd

EUT : Kids Smart Watch

HVIN(Model) : KDC-LT31

Reviewed By : Eric Wang

Appendix A: Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	24.08	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	24.19	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	24.08	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	24.28	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	24.26	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	24.22	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	23.35	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	24.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	24.30	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	24.38	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	24.48	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	24.48	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	24.43	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	23.49	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	24.02	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	24.29	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.96	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	24.34	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	24.18	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	24.10	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	23.20	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.14	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.16	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.04	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	23.03	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	23.02	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	23.27	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.14	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.60	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.79	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.50	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	23.18	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	23.18	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	23.05	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.52	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.00	PASS

Band5	1.4MHz	16QAM	20643	1RB#2	23.28	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.16	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.92	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	23.08	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.94	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.16	PASS
Band5	3MHz	QPSK	20415	1RB#0	24.00	PASS
Band5	3MHz	QPSK	20415	1RB#8	24.09	PASS
Band5	3MHz	QPSK	20415	1RB#14	24.12	PASS
Band5	3MHz	QPSK	20415	8RB#0	23.35	PASS
Band5	3MHz	QPSK	20415	8RB#4	23.35	PASS
Band5	3MHz	QPSK	20415	8RB#7	23.32	PASS
Band5	3MHz	QPSK	20415	15RB#0	23.32	PASS
Band5	3MHz	QPSK	20525	1RB#0	24.27	PASS
Band5	3MHz	QPSK	20525	1RB#8	24.65	PASS
Band5	3MHz	QPSK	20525	1RB#14	24.40	PASS
Band5	3MHz	QPSK	20525	8RB#0	23.61	PASS
Band5	3MHz	QPSK	20525	8RB#4	23.57	PASS
Band5	3MHz	QPSK	20525	8RB#7	23.56	PASS
Band5	3MHz	QPSK	20525	15RB#0	23.57	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.99	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.97	PASS
Band5	3MHz	QPSK	20635	1RB#14	24.02	PASS
Band5	3MHz	QPSK	20635	8RB#0	23.24	PASS
Band5	3MHz	QPSK	20635	8RB#4	23.25	PASS
Band5	3MHz	QPSK	20635	8RB#7	23.25	PASS
Band5	3MHz	QPSK	20635	15RB#0	23.19	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.80	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.14	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.15	PASS
Band5	3MHz	16QAM	20415	8RB#0	22.47	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.47	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.54	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.35	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.51	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.42	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.39	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.49	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.97	PASS
Band5	3MHz	16QAM	20525	8RB#7	22.30	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.61	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.80	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.15	PASS

Band5	3MHz	16QAM	20635	1RB#14	23.13	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.94	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.94	PASS
Band5	3MHz	16QAM	20635	8RB#7	22.38	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.43	PASS
Band5	5MHz	QPSK	20425	1RB#0	24.31	PASS
Band5	5MHz	QPSK	20425	1RB#12	24.18	PASS
Band5	5MHz	QPSK	20425	1RB#24	24.18	PASS
Band5	5MHz	QPSK	20425	12RB#0	23.37	PASS
Band5	5MHz	QPSK	20425	12RB#6	23.37	PASS
Band5	5MHz	QPSK	20425	12RB#13	23.28	PASS
Band5	5MHz	QPSK	20425	25RB#0	23.38	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.64	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.35	PASS
Band5	5MHz	QPSK	20525	1RB#24	24.60	PASS
Band5	5MHz	QPSK	20525	12RB#0	23.60	PASS
Band5	5MHz	QPSK	20525	12RB#6	23.61	PASS
Band5	5MHz	QPSK	20525	12RB#13	23.53	PASS
Band5	5MHz	QPSK	20525	25RB#0	23.62	PASS
Band5	5MHz	QPSK	20625	1RB#0	24.30	PASS
Band5	5MHz	QPSK	20625	1RB#12	24.32	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.90	PASS
Band5	5MHz	QPSK	20625	12RB#0	23.26	PASS
Band5	5MHz	QPSK	20625	12RB#6	23.27	PASS
Band5	5MHz	QPSK	20625	12RB#13	23.20	PASS
Band5	5MHz	QPSK	20625	25RB#0	23.33	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.65	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.80	PASS
Band5	5MHz	16QAM	20425	1RB#24	23.35	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.27	PASS
Band5	5MHz	16QAM	20425	12RB#6	22.26	PASS
Band5	5MHz	16QAM	20425	12RB#13	22.28	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.29	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.32	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.46	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.15	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.33	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.52	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.43	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.39	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.33	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.73	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.59	PASS

Band5	5MHz	16QAM	20625	12RB#0	22.38	PASS
Band5	5MHz	16QAM	20625	12RB#6	22.28	PASS
Band5	5MHz	16QAM	20625	12RB#13	22.21	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.46	PASS
Band5	10MHz	QPSK	20450	1RB#0	24.29	PASS
Band5	10MHz	QPSK	20450	1RB#24	24.24	PASS
Band5	10MHz	QPSK	20450	1RB#49	24.49	PASS
Band5	10MHz	QPSK	20450	25RB#0	23.46	PASS
Band5	10MHz	QPSK	20450	25RB#12	23.44	PASS
Band5	10MHz	QPSK	20450	25RB#25	23.52	PASS
Band5	10MHz	QPSK	20450	50RB#0	23.40	PASS
Band5	10MHz	QPSK	20525	1RB#0	24.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	24.46	PASS
Band5	10MHz	QPSK	20525	1RB#49	24.52	PASS
Band5	10MHz	QPSK	20525	25RB#0	23.58	PASS
Band5	10MHz	QPSK	20525	25RB#12	23.60	PASS
Band5	10MHz	QPSK	20525	25RB#25	23.55	PASS
Band5	10MHz	QPSK	20525	50RB#0	23.61	PASS
Band5	10MHz	QPSK	20600	1RB#0	24.02	PASS
Band5	10MHz	QPSK	20600	1RB#24	24.27	PASS
Band5	10MHz	QPSK	20600	1RB#49	24.16	PASS
Band5	10MHz	QPSK	20600	25RB#0	23.52	PASS
Band5	10MHz	QPSK	20600	25RB#12	23.52	PASS
Band5	10MHz	QPSK	20600	25RB#25	23.35	PASS
Band5	10MHz	QPSK	20600	50RB#0	23.37	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.01	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.44	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.43	PASS
Band5	10MHz	16QAM	20450	25RB#0	22.59	PASS
Band5	10MHz	16QAM	20450	25RB#12	22.64	PASS
Band5	10MHz	16QAM	20450	25RB#25	22.65	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.78	PASS
Band5	10MHz	16QAM	20525	1RB#24	24.12	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.84	PASS
Band5	10MHz	16QAM	20525	25RB#0	22.63	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.64	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.48	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.52	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.33	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.09	PASS
Band5	10MHz	16QAM	20600	25RB#0	22.23	PASS
Band5	10MHz	16QAM	20600	25RB#12	22.33	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.36	PASS

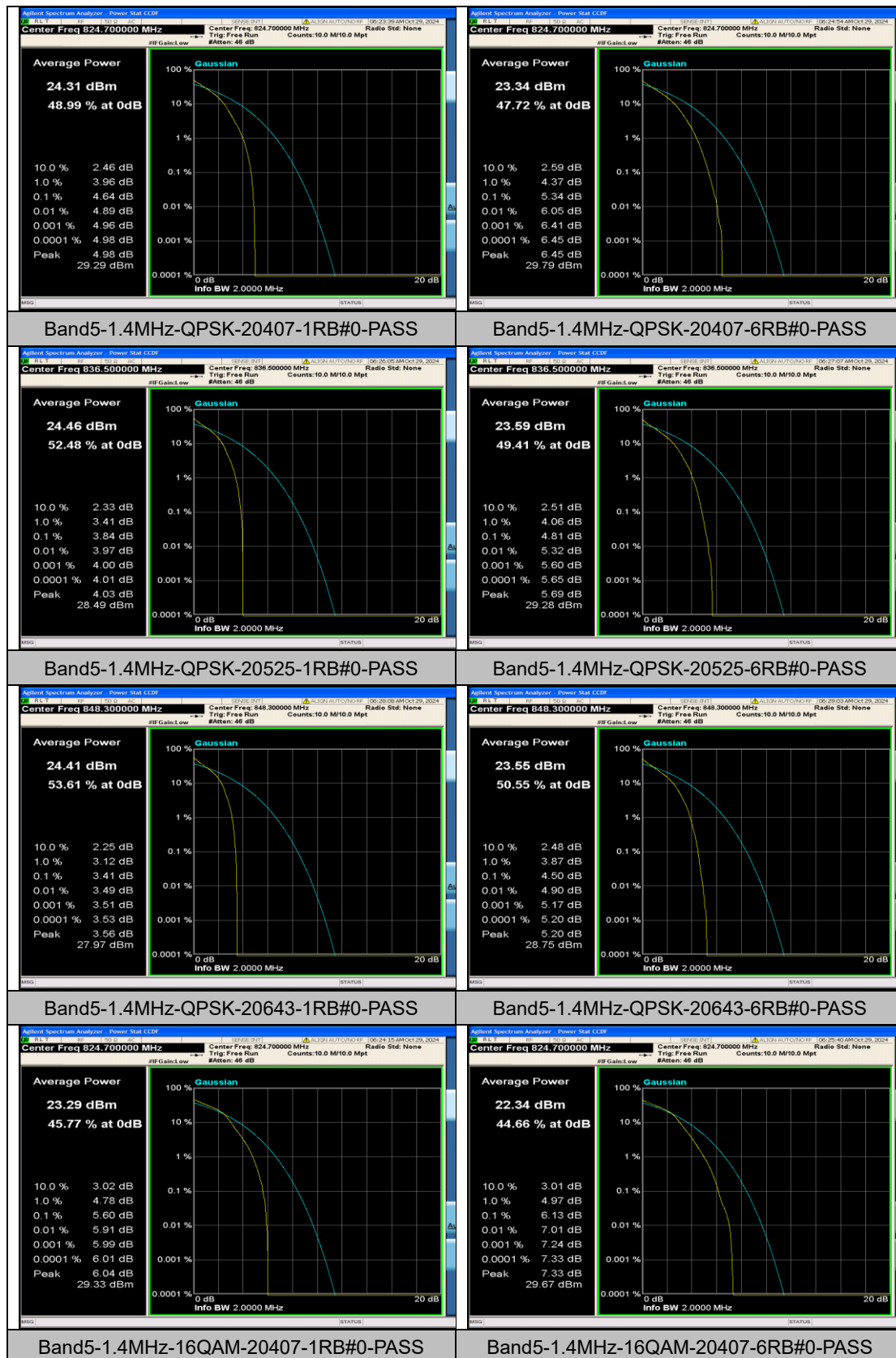
Appendix B: Peak-to-Average Ratio(CCDF)

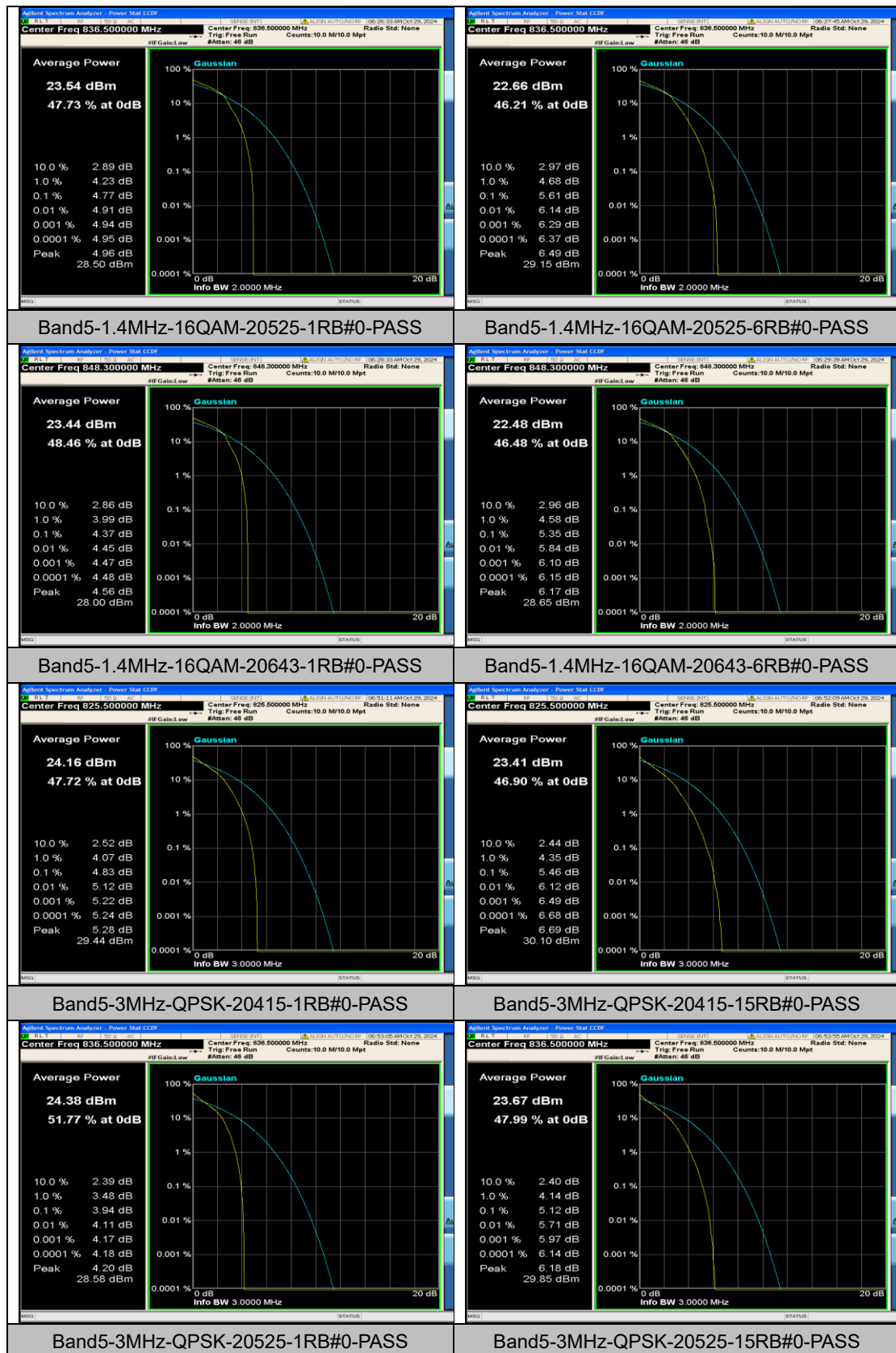
Test Result

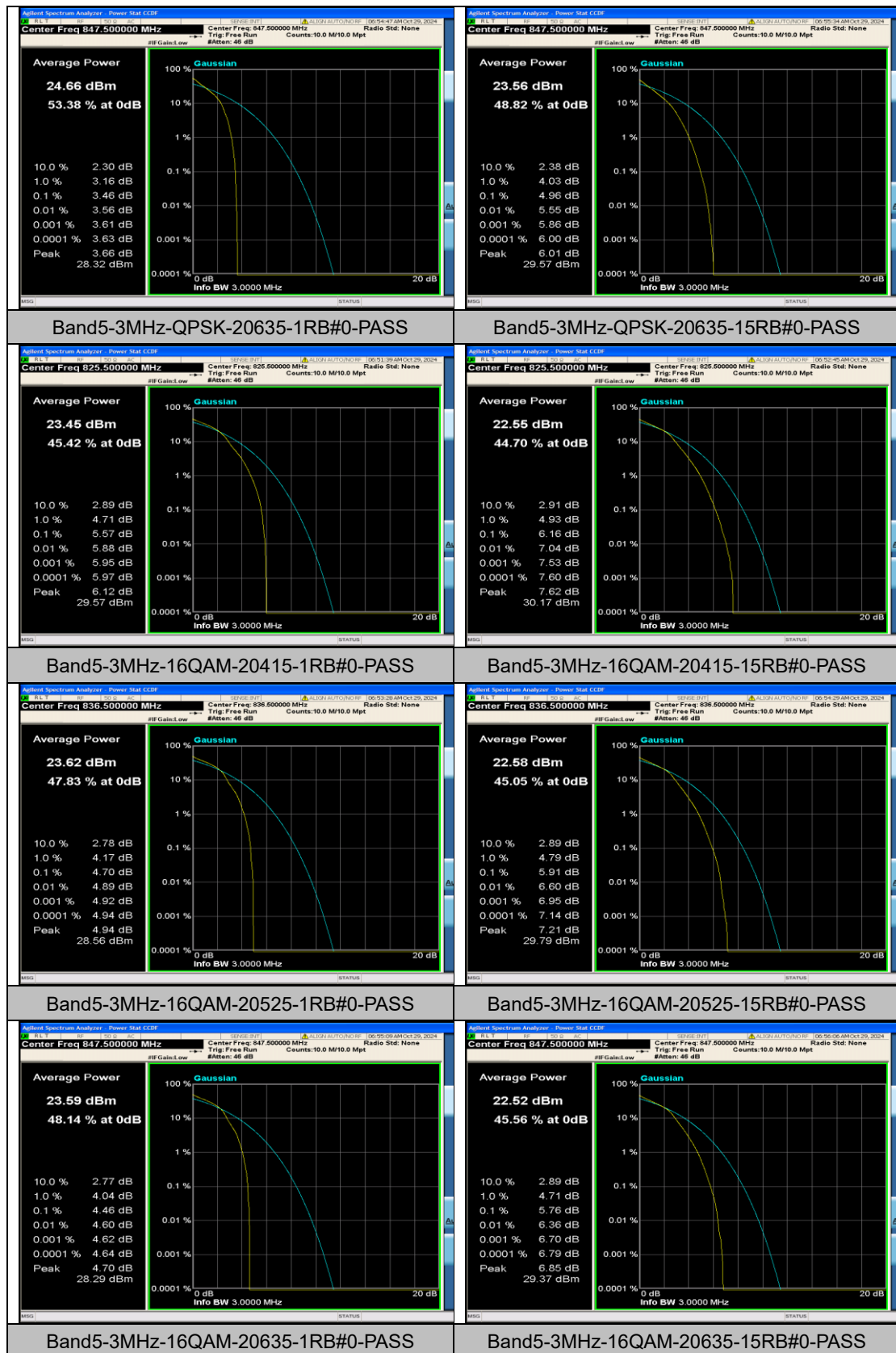
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	4.64	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.34	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	3.84	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.81	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.41	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.50	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.60	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.13	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	4.77	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.61	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	4.37	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.35	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.83	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.46	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	3.94	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.12	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.46	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.96	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.57	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.16	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	4.70	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.91	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.46	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.76	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.78	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.42	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	3.80	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.09	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.02	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.99	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.36	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.12	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	4.53	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.75	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.99	13	PASS

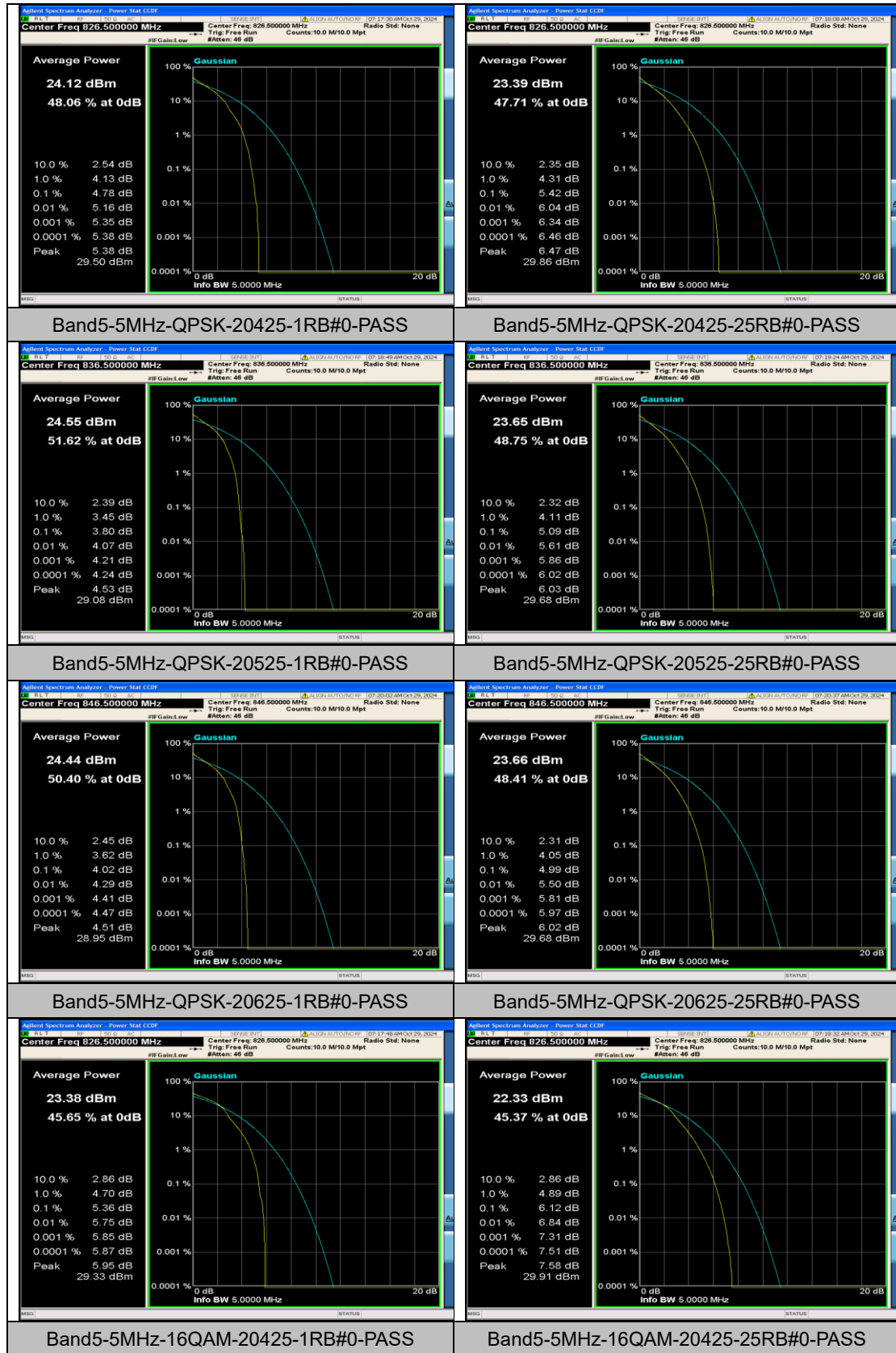
Band5	5MHz	16QAM	20625	25RB#0	5.72	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	4.65	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.24	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	3.94	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.01	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	3.87	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.02	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.60	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	4.85	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	4.83	13	PASS

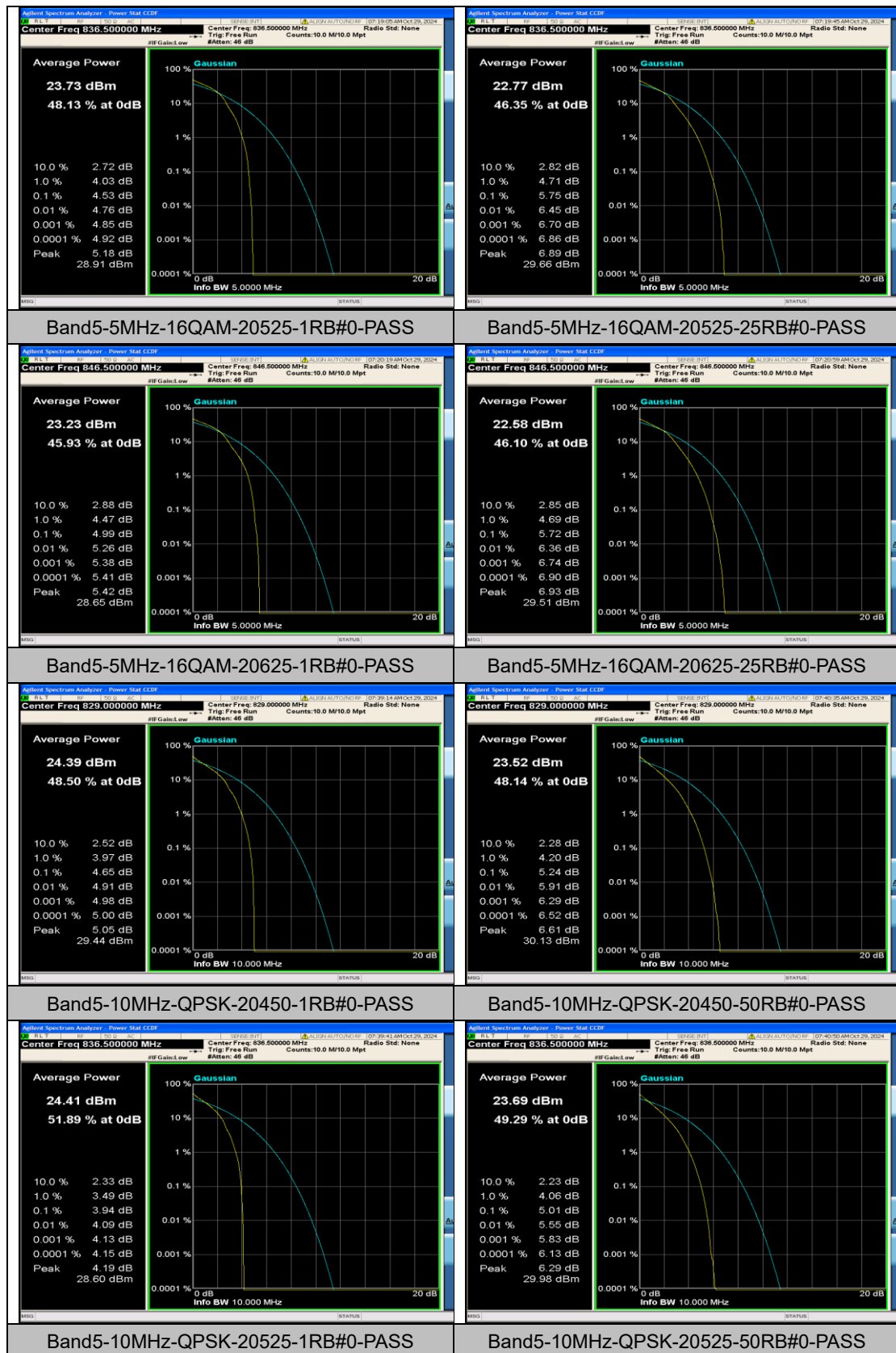
Test Graphs

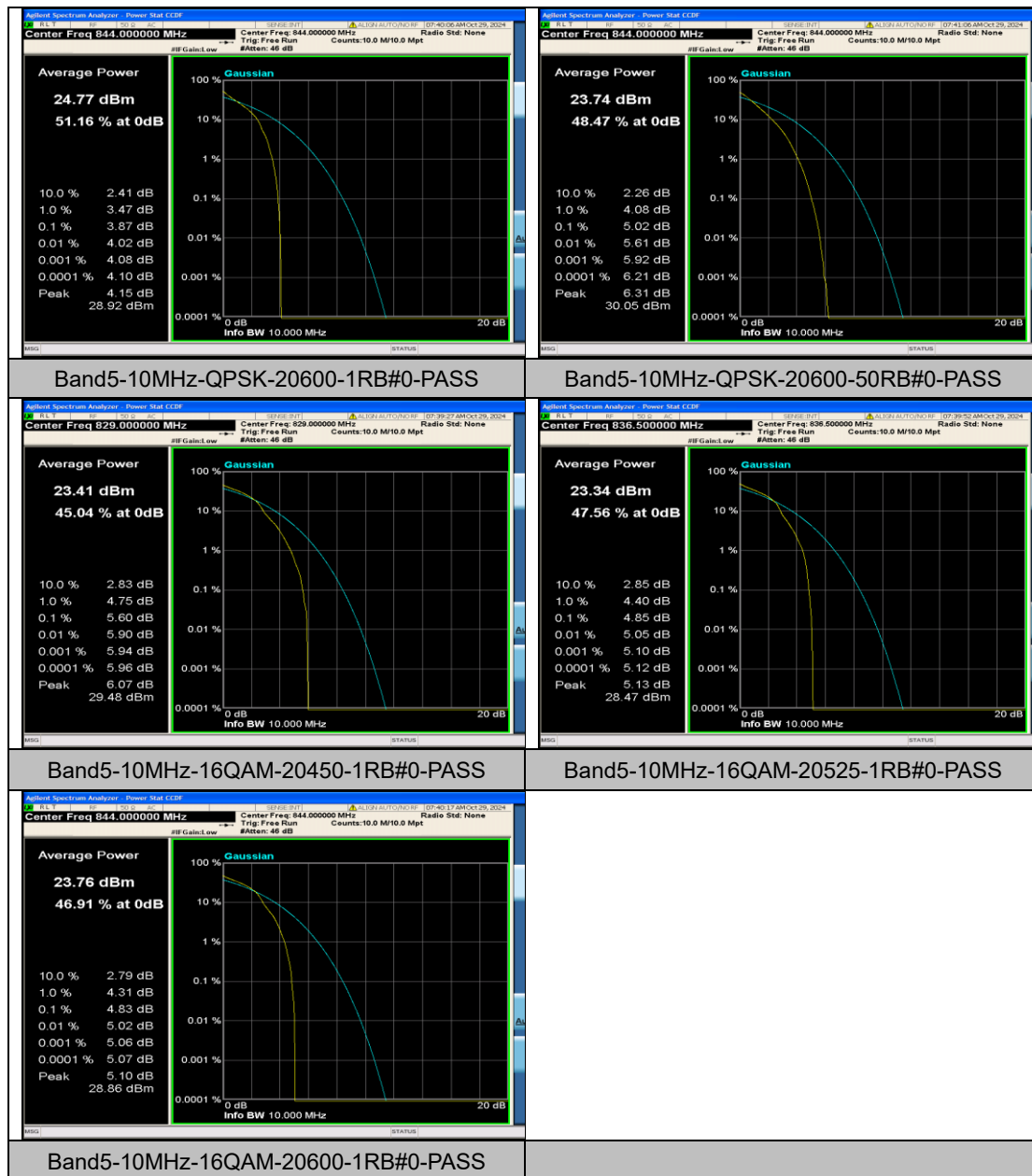










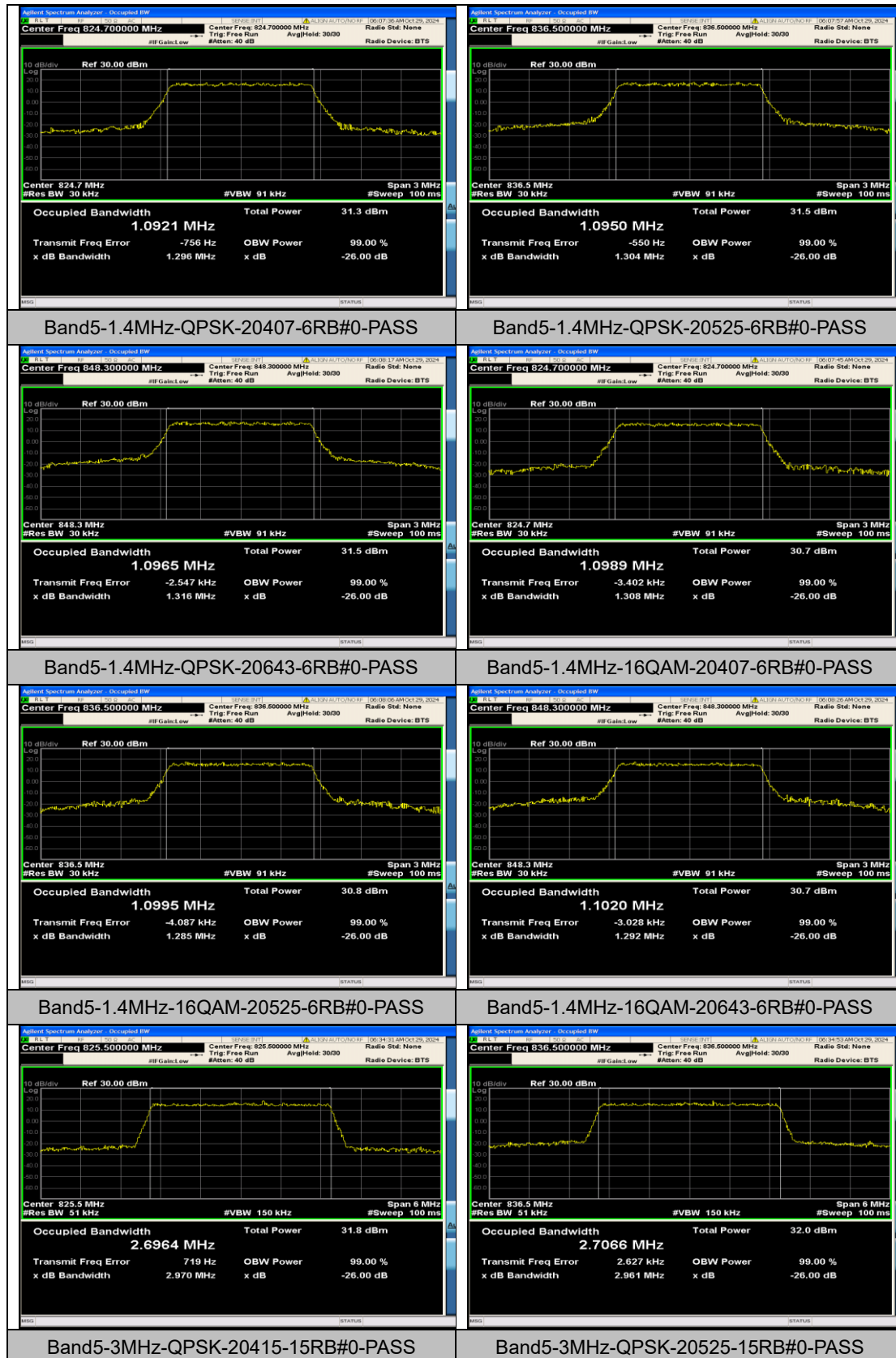


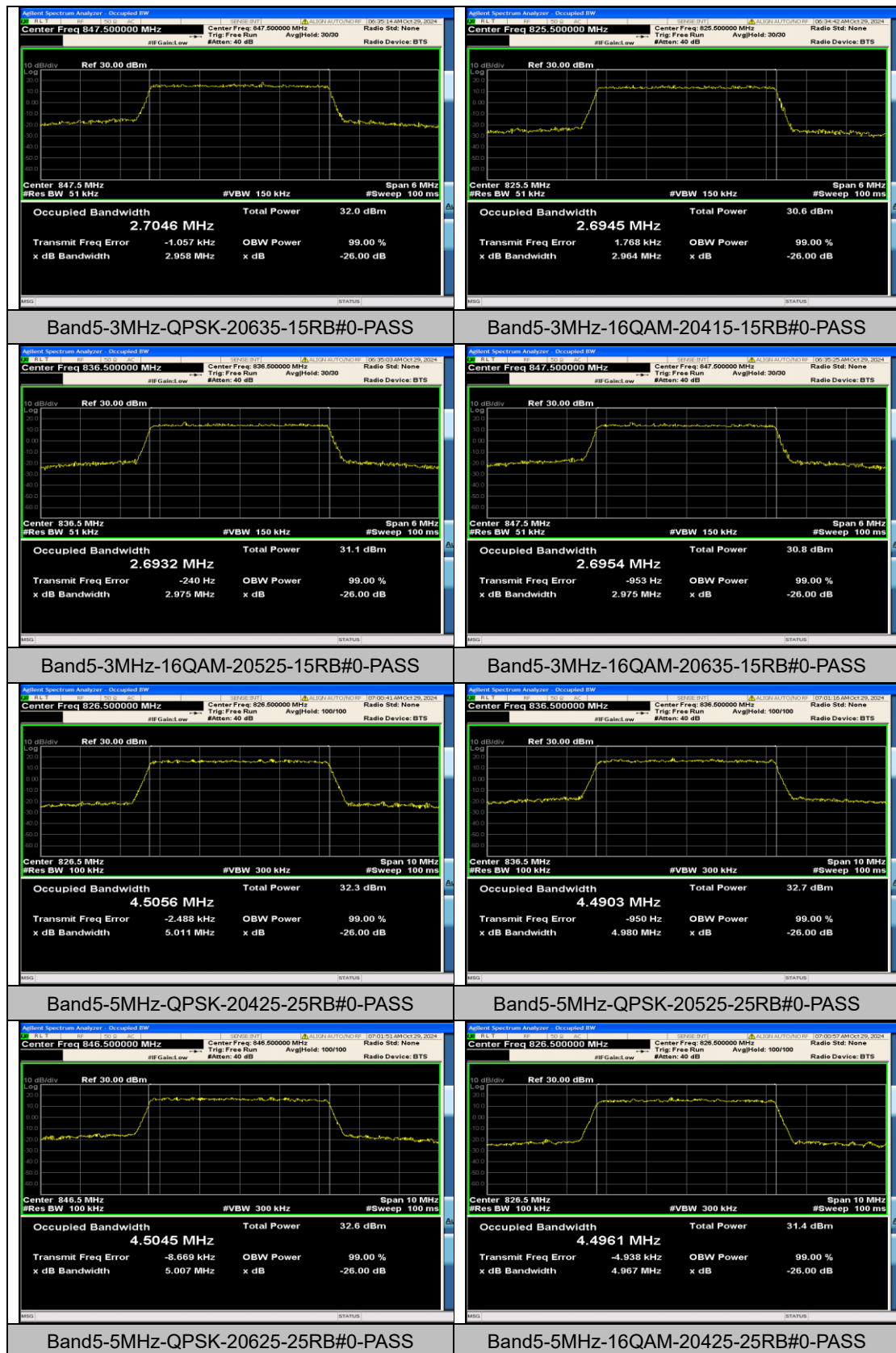
Appendix C: 26dB Bandwidth and Occupied Bandwidth

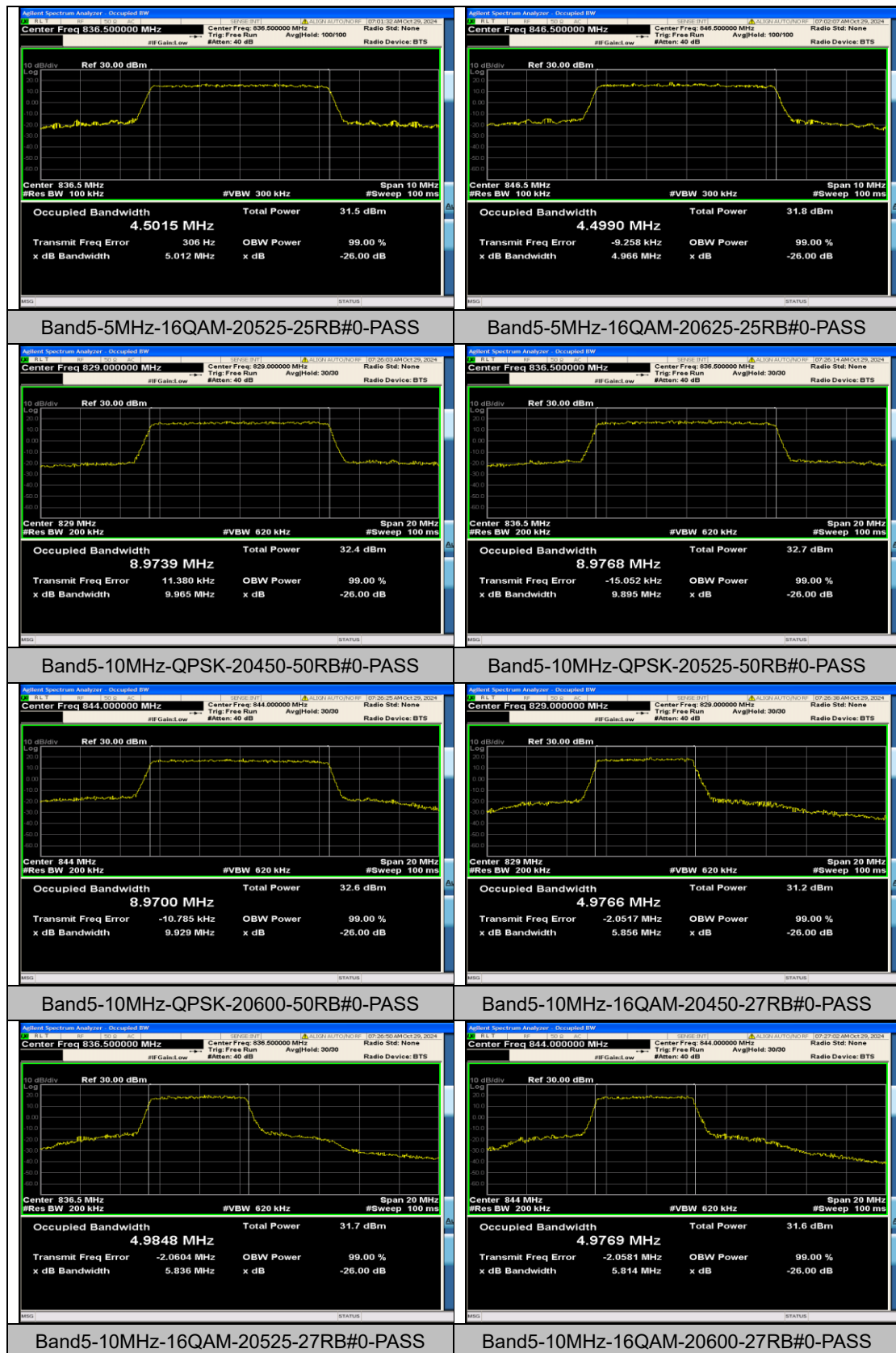
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0921	1.296	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0950	1.304	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0965	1.316	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0989	1.308	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0995	1.285	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.1020	1.292	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6964	2.970	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7066	2.961	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7046	2.958	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6945	2.964	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6932	2.975	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6954	2.975	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5056	5.011	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4903	4.980	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5045	5.007	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4961	4.967	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5015	5.012	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.4990	4.966	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9739	9.965	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9768	9.895	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9700	9.929	PASS
Band5	10MHz	16QAM	20450	27RB#0	4.9766	5.856	PASS
Band5	10MHz	16QAM	20525	27RB#0	4.9848	5.836	PASS
Band5	10MHz	16QAM	20600	27RB#0	4.9769	5.814	PASS

Test Graphs







Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	-27.13	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	-49.29	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-30.37	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	-44.00	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-24.18	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-24.07	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-26.80	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	-45.13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-29.75	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	-45.49	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-23.38	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-22.92	PASS
Band5	3MHz	QPSK	20415	1RB#0	-24.07	PASS
Band5	3MHz	QPSK	20415	1RB#14	-42.32	PASS
Band5	3MHz	QPSK	20415	15RB#0	-30.42	PASS
Band5	3MHz	QPSK	20635	1RB#0	-43.62	PASS
Band5	3MHz	QPSK	20635	1RB#14	-21.40	PASS
Band5	3MHz	QPSK	20635	15RB#0	-28.22	PASS
Band5	3MHz	16QAM	20415	1RB#0	-25.15	PASS
Band5	3MHz	16QAM	20415	1RB#14	-43.77	PASS
Band5	3MHz	16QAM	20415	15RB#0	-31.49	PASS
Band5	3MHz	16QAM	20635	1RB#0	-44.24	PASS
Band5	3MHz	16QAM	20635	1RB#14	-24.15	PASS
Band5	3MHz	16QAM	20635	15RB#0	-30.82	PASS
Band5	5MHz	QPSK	20425	1RB#0	-27.94	PASS
Band5	5MHz	QPSK	20425	1RB#24	-55.13	PASS
Band5	5MHz	QPSK	20425	25RB#0	-32.16	PASS
Band5	5MHz	QPSK	20625	1RB#0	-55.19	PASS
Band5	5MHz	QPSK	20625	1RB#24	-28.53	PASS
Band5	5MHz	QPSK	20625	25RB#0	-30.16	PASS
Band5	5MHz	16QAM	20425	1RB#0	-30.83	PASS
Band5	5MHz	16QAM	20425	1RB#24	-55.04	PASS
Band5	5MHz	16QAM	20425	25RB#0	-33.58	PASS
Band5	5MHz	16QAM	20625	1RB#0	-55.17	PASS
Band5	5MHz	16QAM	20625	1RB#24	-29.54	PASS
Band5	5MHz	16QAM	20625	25RB#0	-32.25	PASS

Band5	10MHz	QPSK	20450	1RB#0	-39.43	PASS
Band5	10MHz	QPSK	20450	1RB#49	-54.59	PASS
Band5	10MHz	QPSK	20450	50RB#0	-33.70	PASS
Band5	10MHz	QPSK	20600	1RB#0	-54.79	PASS
Band5	10MHz	QPSK	20600	1RB#49	-38.69	PASS
Band5	10MHz	QPSK	20600	50RB#0	-33.84	PASS
Band5	10MHz	16QAM	20450	1RB#0	-40.77	PASS
Band5	10MHz	16QAM	20450	1RB#49	-54.97	PASS
Band5	10MHz	16QAM	20600	1RB#0	-55.19	PASS
Band5	10MHz	16QAM	20600	1RB#49	-38.90	PASS

Test Graphs

