

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
Band7	5MHz	QPSK	20775	1RB#0	23.39	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.86	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.56	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.73	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.61	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.73	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.79	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.73	PASS
Band7	5MHz	QPSK	21100	1RB#12	24.14	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.81	PASS
Band7	5MHz	QPSK	21100	12RB#0	22.85	PASS
Band7	5MHz	QPSK	21100	12RB#6	22.88	PASS
Band7	5MHz	QPSK	21100	12RB#13	22.97	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.94	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.43	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.76	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.54	PASS
Band7	5MHz	QPSK	21425	12RB#0	22.65	PASS
Band7	5MHz	QPSK	21425	12RB#6	22.65	PASS
Band7	5MHz	QPSK	21425	12RB#13	22.47	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.61	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.19	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.71	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.65	PASS
Band7	5MHz	16QAM	20775	12RB#0	21.55	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.76	PASS
Band7	5MHz	16QAM	20775	12RB#13	21.73	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.62	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.38	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.55	PASS
Band7	5MHz	16QAM	21100	1RB#24	23.07	PASS
Band7	5MHz	16QAM	21100	12RB#0	21.97	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.79	PASS
Band7	5MHz	16QAM	21100	12RB#13	21.98	PASS
Band7	5MHz	16QAM	21100	25RB#0	22.14	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.70	PASS

Band7	5MHz	16QAM	21425	1RB#12	22.23	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.55	PASS
Band7	5MHz	16QAM	21425	12RB#0	21.79	PASS
Band7	5MHz	16QAM	21425	12RB#6	21.60	PASS
Band7	5MHz	16QAM	21425	12RB#13	21.72	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.51	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.32	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.78	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.66	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.74	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.75	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.67	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.72	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.80	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.90	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.77	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.89	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.99	PASS
Band7	10MHz	QPSK	21100	25RB#25	23.03	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.90	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.33	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.82	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.47	PASS
Band7	10MHz	QPSK	21400	25RB#0	22.46	PASS
Band7	10MHz	QPSK	21400	25RB#12	22.52	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.56	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.49	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.92	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.96	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.53	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.62	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.83	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.85	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.79	PASS
Band7	10MHz	16QAM	21100	1RB#24	23.40	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.81	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.85	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.94	PASS
Band7	10MHz	16QAM	21100	25RB#25	21.96	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.30	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.77	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.49	PASS
Band7	10MHz	16QAM	21400	25RB#0	21.47	PASS

Band7	10MHz	16QAM	21400	25RB#12	21.47	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.61	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.64	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.64	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.77	PASS
Band7	15MHz	QPSK	20825	38RB#0	22.88	PASS
Band7	15MHz	QPSK	20825	38RB#18	22.77	PASS
Band7	15MHz	QPSK	20825	38RB#37	22.88	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.72	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.69	PASS
Band7	15MHz	QPSK	21100	1RB#38	24.12	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.83	PASS
Band7	15MHz	QPSK	21100	38RB#0	22.85	PASS
Band7	15MHz	QPSK	21100	38RB#18	22.87	PASS
Band7	15MHz	QPSK	21100	38RB#37	22.88	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.90	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.51	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.19	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.47	PASS
Band7	15MHz	QPSK	21375	38RB#0	22.42	PASS
Band7	15MHz	QPSK	21375	38RB#18	22.44	PASS
Band7	15MHz	QPSK	21375	38RB#37	22.49	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.49	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.66	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.83	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.70	PASS
Band7	15MHz	16QAM	20825	38RB#0	22.71	PASS
Band7	15MHz	16QAM	20825	38RB#18	22.88	PASS
Band7	15MHz	16QAM	20825	38RB#37	22.83	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.80	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.83	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.78	PASS
Band7	15MHz	16QAM	21100	38RB#0	22.86	PASS
Band7	15MHz	16QAM	21100	38RB#18	22.87	PASS
Band7	15MHz	16QAM	21100	38RB#37	22.88	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.56	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.25	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.46	PASS
Band7	15MHz	16QAM	21375	38RB#0	22.45	PASS
Band7	15MHz	16QAM	21375	38RB#18	22.49	PASS
Band7	15MHz	16QAM	21375	38RB#37	22.49	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.54	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.90	PASS

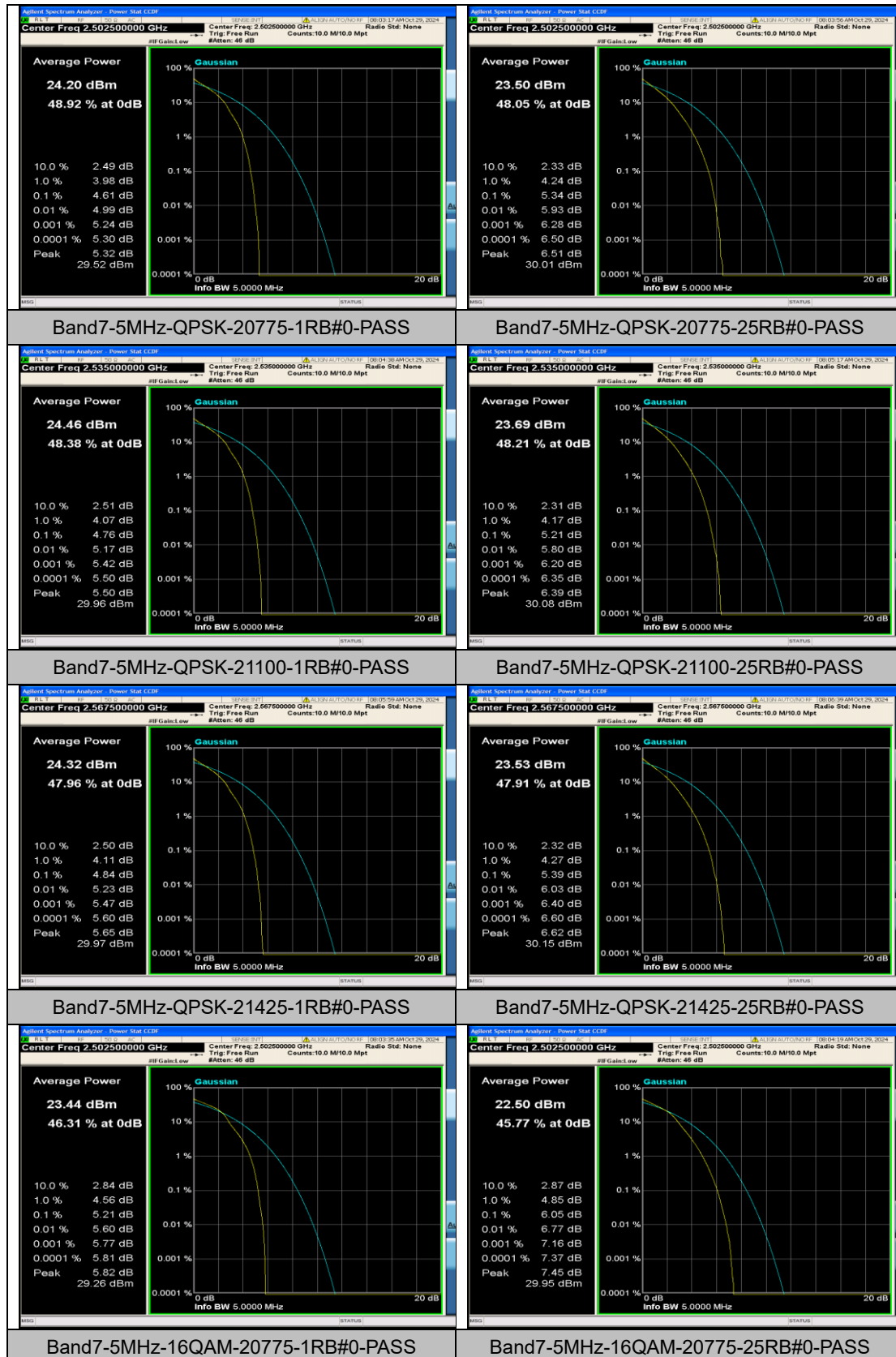
Band7	20MHz	QPSK	20850	1RB#99	23.68	PASS
Band7	20MHz	QPSK	20850	50RB#0	22.64	PASS
Band7	20MHz	QPSK	20850	50RB#25	22.75	PASS
Band7	20MHz	QPSK	20850	50RB#50	22.65	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.73	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.87	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.98	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.83	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.90	PASS
Band7	20MHz	QPSK	21100	50RB#25	22.85	PASS
Band7	20MHz	QPSK	21100	50RB#50	22.93	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.82	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.52	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.42	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.62	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.58	PASS
Band7	20MHz	QPSK	21350	50RB#25	22.54	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.38	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.46	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.68	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.86	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.62	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.89	PASS
Band7	20MHz	16QAM	21100	1RB#49	23.51	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.69	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.41	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.98	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.34	PASS

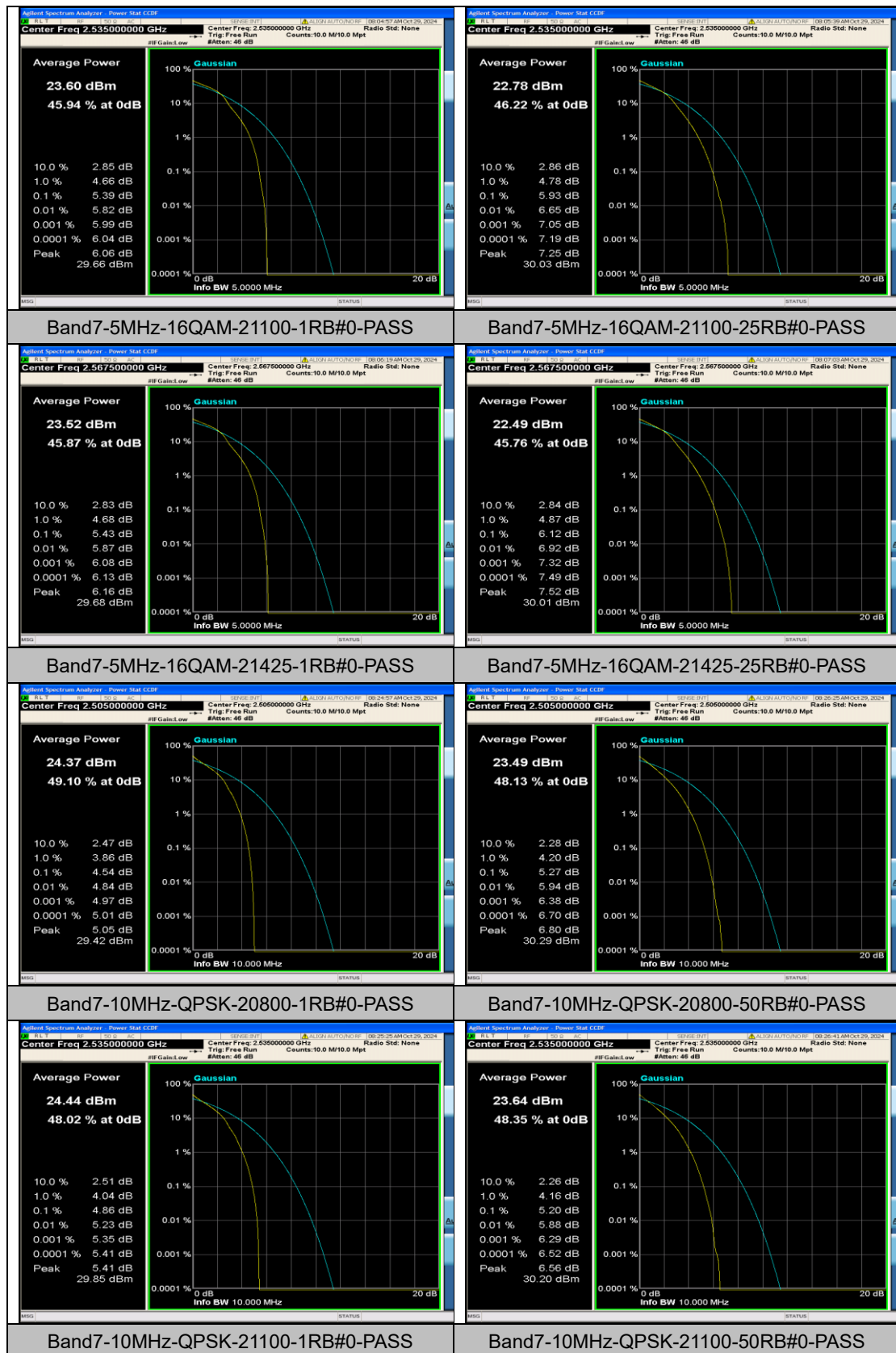
Appendix B: Peak-to-Average Ratio(CCDF)

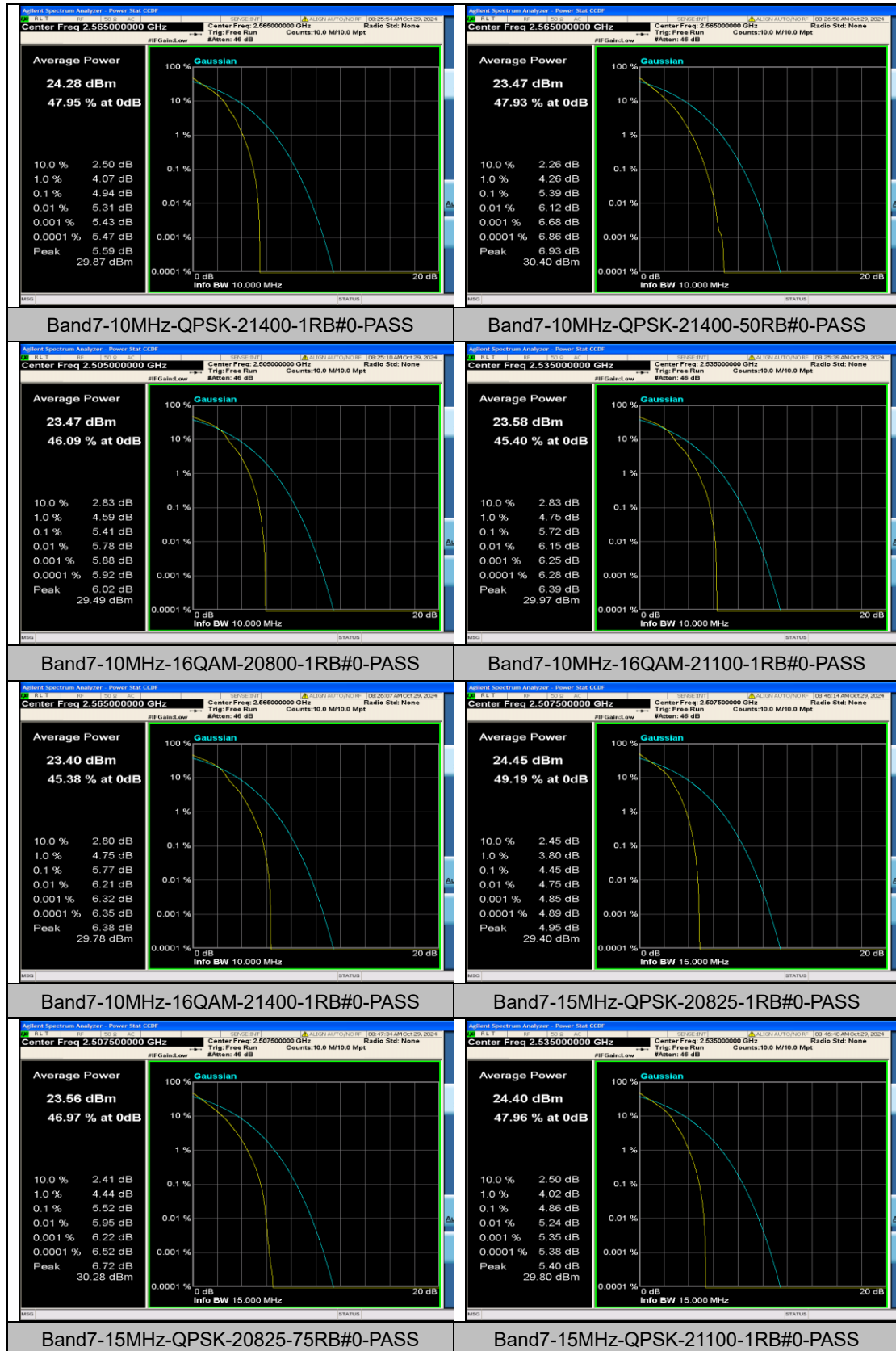
Test Result

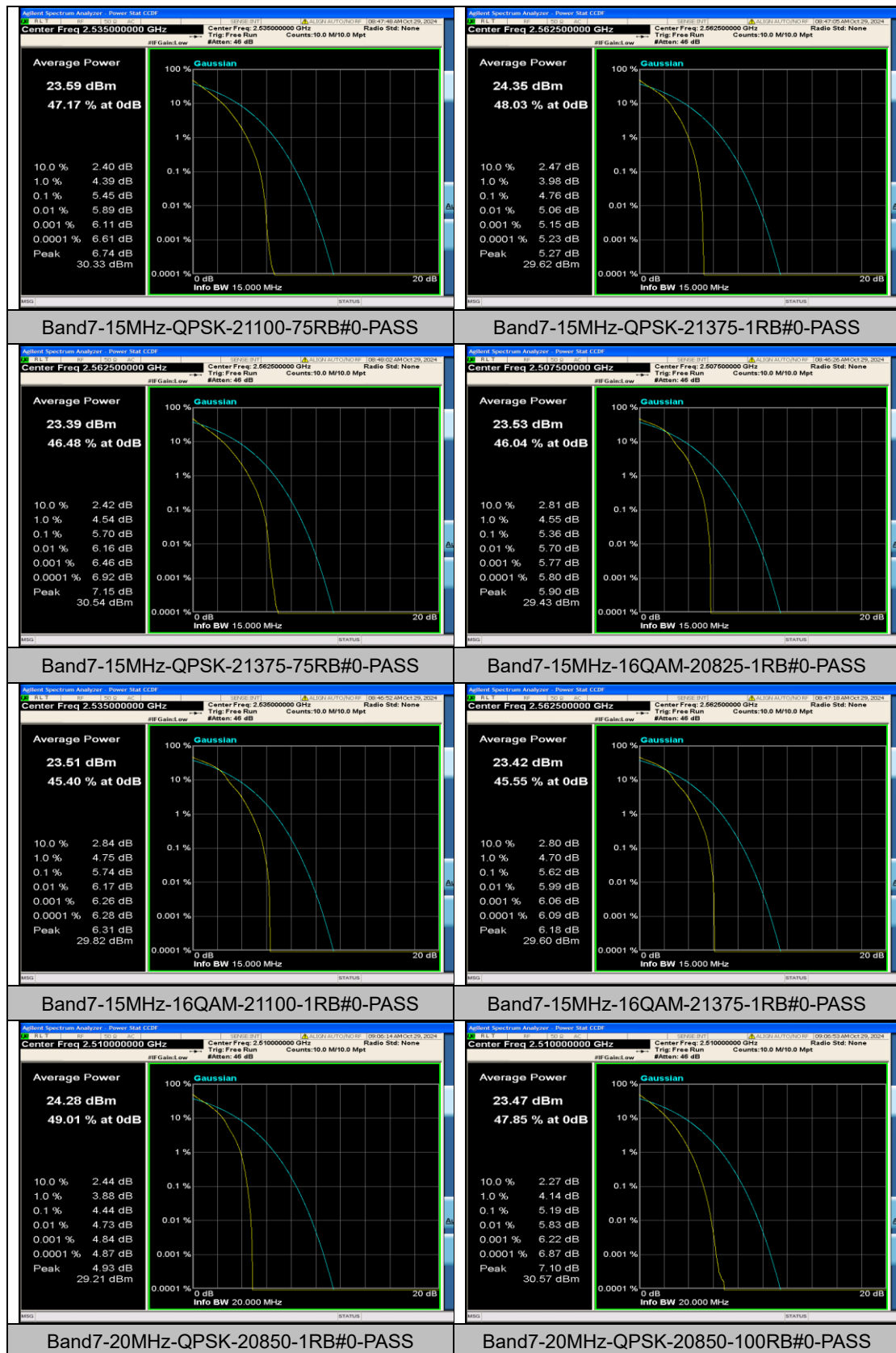
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	4.61	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.34	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	4.76	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.21	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	4.84	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.39	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	5.21	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	6.05	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.39	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.93	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	5.43	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.12	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	4.54	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.27	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	4.86	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.20	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	4.94	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.39	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	5.41	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	5.72	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	5.77	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	4.45	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.52	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	4.86	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.45	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	4.76	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.70	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	5.36	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.74	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	5.62	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	4.44	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.19	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.68	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.05	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.40	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.34	13	PASS

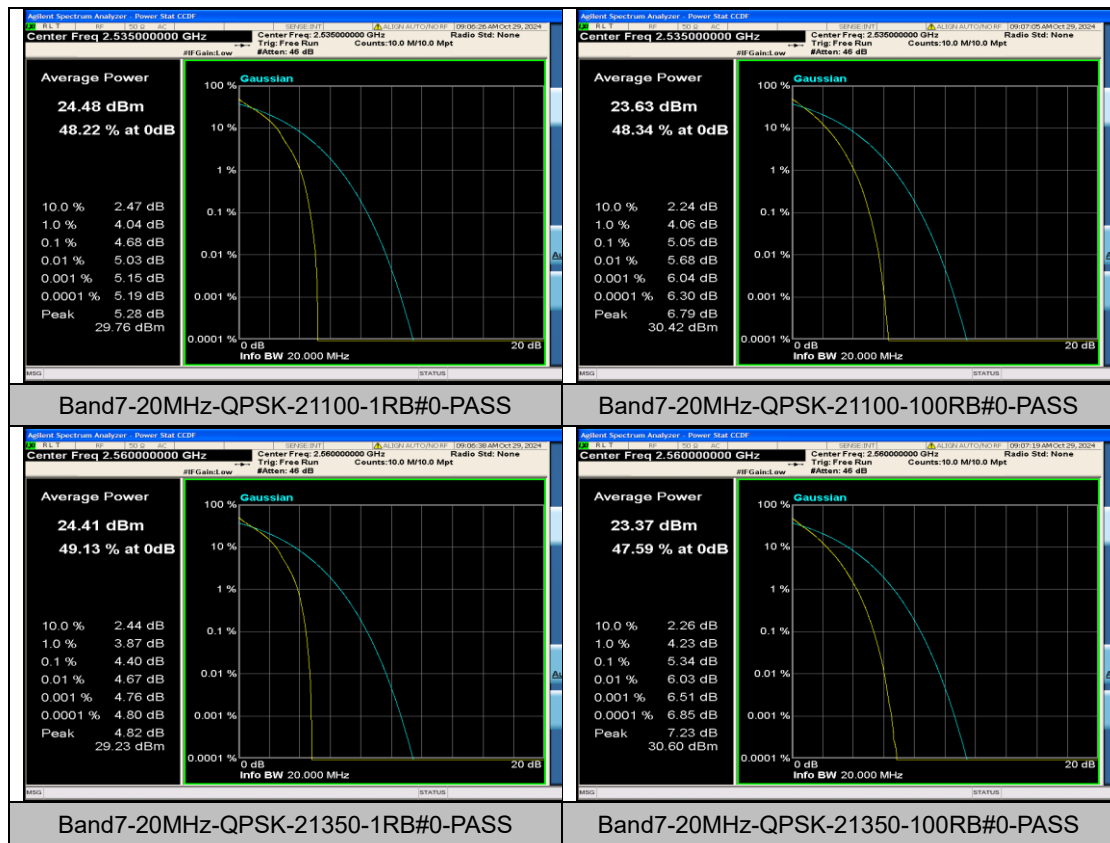
Test Graphs









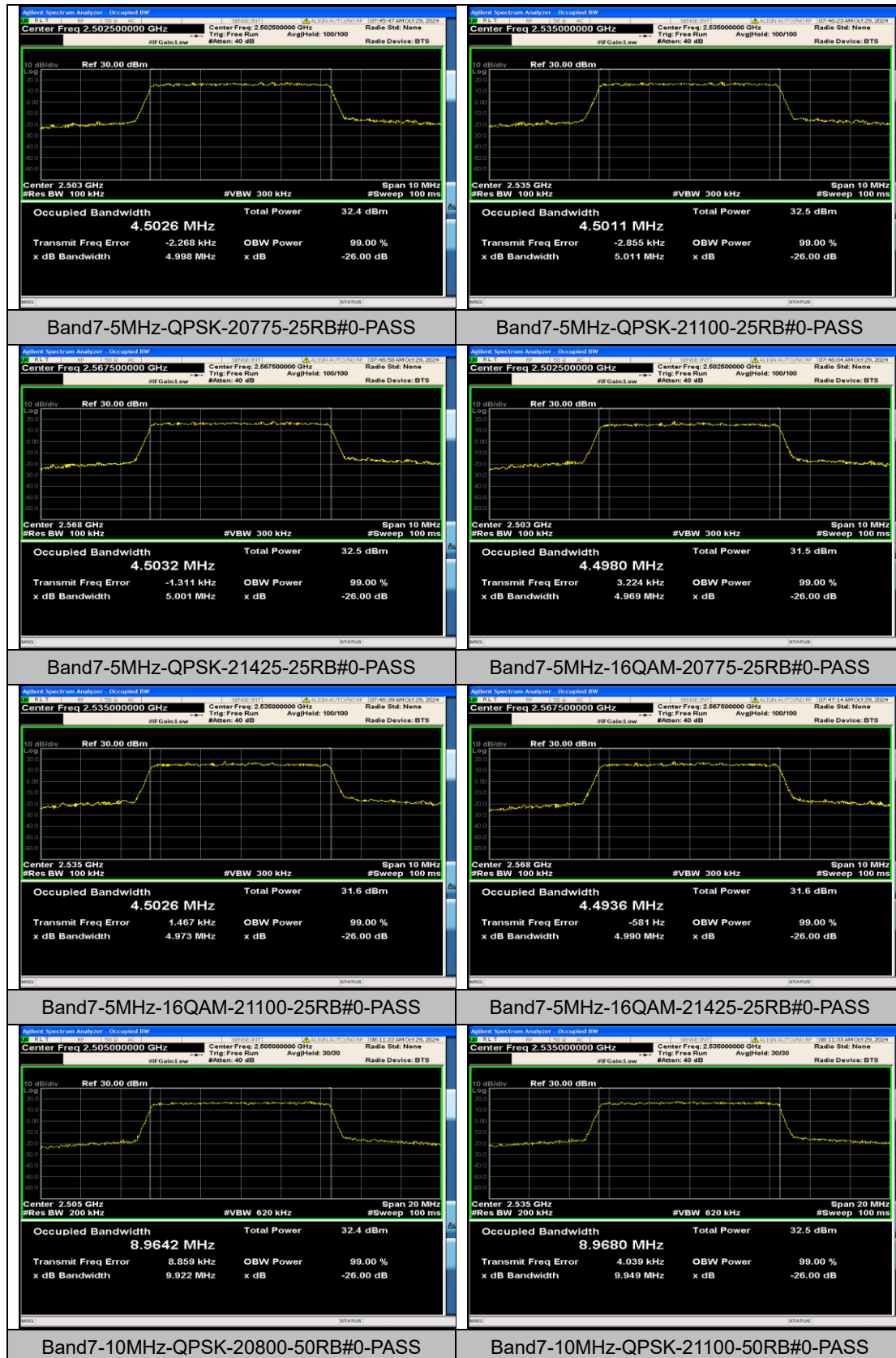


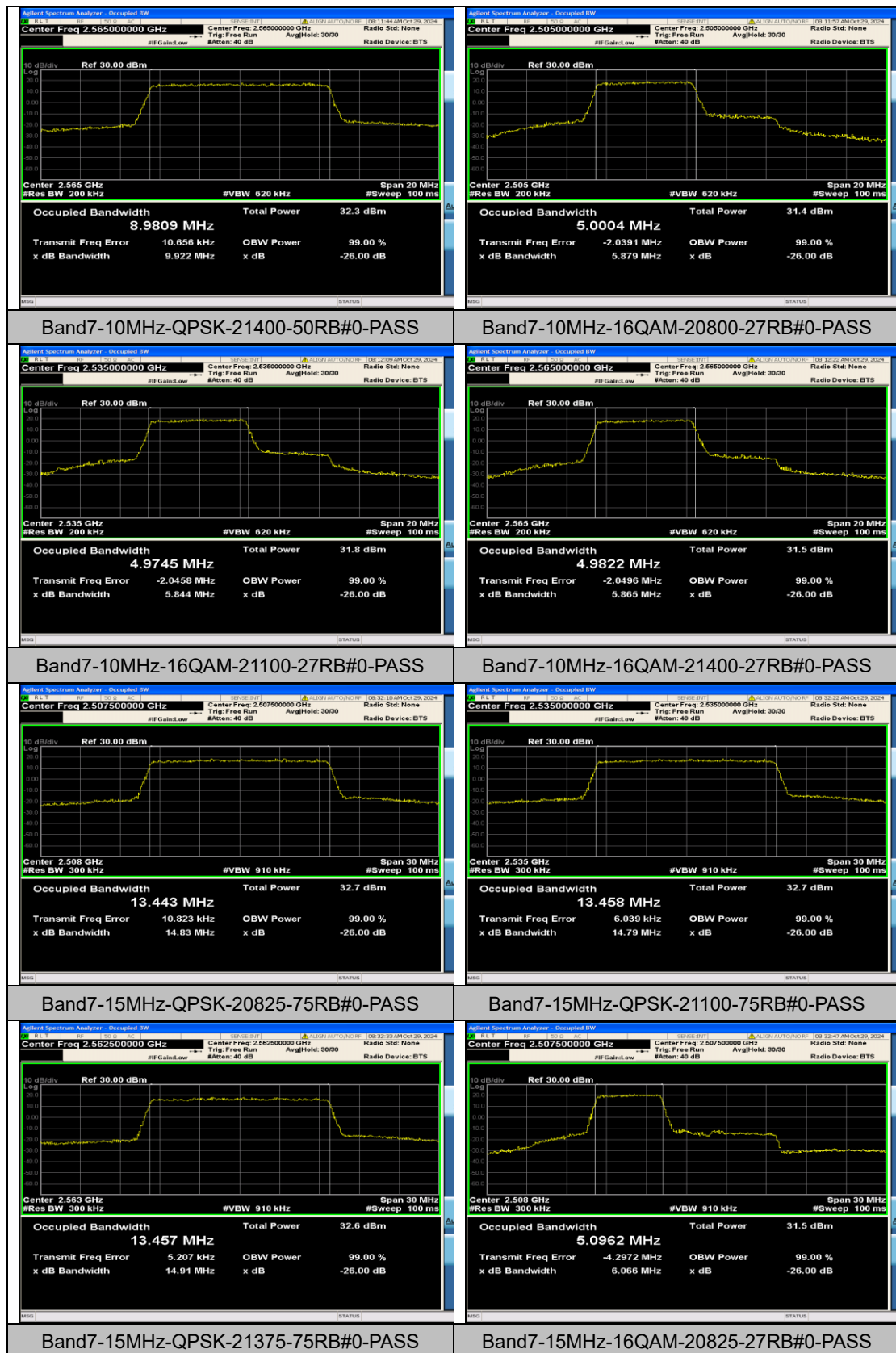
Appendix C: 26dB Bandwidth and Occupied Bandwidth

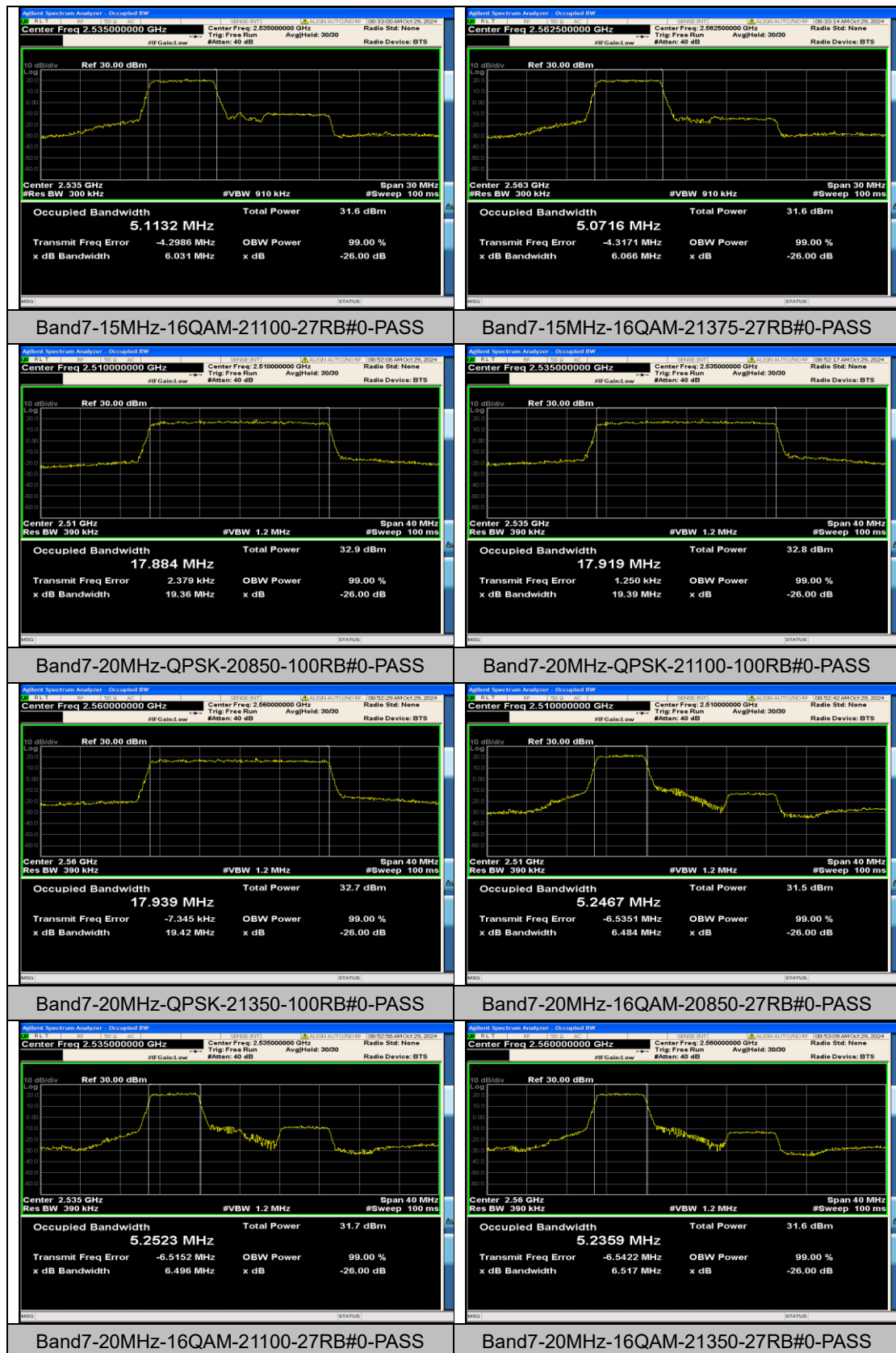
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5026	4.998	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5011	5.011	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5032	5.001	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4980	4.969	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5026	4.973	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.4936	4.990	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9642	9.922	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9680	9.949	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9809	9.922	PASS
Band7	10MHz	16QAM	20800	27RB#0	5.0004	5.879	PASS
Band7	10MHz	16QAM	21100	27RB#0	4.9745	5.844	PASS
Band7	10MHz	16QAM	21400	27RB#0	4.9822	5.865	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.443	14.83	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.458	14.79	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.457	14.91	PASS
Band7	15MHz	16QAM	20825	27RB#0	5.0962	6.066	PASS
Band7	15MHz	16QAM	21100	27RB#0	5.1132	6.031	PASS
Band7	15MHz	16QAM	21375	27RB#0	5.0716	6.066	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.884	19.36	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.919	19.39	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.939	19.42	PASS
Band7	20MHz	16QAM	20850	27RB#0	5.2467	6.484	PASS
Band7	20MHz	16QAM	21100	27RB#0	5.2523	6.496	PASS
Band7	20MHz	16QAM	21350	27RB#0	5.2359	6.517	PASS

Test Graphs







Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-23.52	PASS
Band7	5MHz	QPSK	20775	1RB#24	-43.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	-22.52	PASS
Band7	5MHz	QPSK	21425	1RB#0	-42.57	PASS
Band7	5MHz	QPSK	21425	1RB#24	-24.14	PASS
Band7	5MHz	QPSK	21425	25RB#0	-20.85	PASS
Band7	5MHz	16QAM	20775	1RB#0	-26.26	PASS
Band7	5MHz	16QAM	20775	1RB#24	-43.07	PASS
Band7	5MHz	16QAM	20775	25RB#0	-23.69	PASS
Band7	5MHz	16QAM	21425	1RB#0	-42.48	PASS
Band7	5MHz	16QAM	21425	1RB#24	-25.12	PASS
Band7	5MHz	16QAM	21425	25RB#0	-22.24	PASS
Band7	10MHz	QPSK	20800	1RB#0	-42.93	PASS
Band7	10MHz	QPSK	20800	1RB#49	-43.06	PASS
Band7	10MHz	QPSK	20800	50RB#0	-24.38	PASS
Band7	10MHz	QPSK	21400	1RB#0	-42.85	PASS
Band7	10MHz	QPSK	21400	1RB#49	-42.81	PASS
Band7	10MHz	QPSK	21400	50RB#0	-23.07	PASS
Band7	10MHz	16QAM	20800	1RB#0	-42.94	PASS
Band7	10MHz	16QAM	20800	1RB#49	-42.96	PASS
Band7	10MHz	16QAM	21400	1RB#0	-42.80	PASS
Band7	10MHz	16QAM	21400	1RB#49	-42.85	PASS
Band7	15MHz	QPSK	20825	1RB#0	-43.05	PASS
Band7	15MHz	QPSK	20825	1RB#74	-43.04	PASS
Band7	15MHz	QPSK	20825	75RB#0	-24.85	PASS
Band7	15MHz	QPSK	21375	1RB#0	-42.89	PASS
Band7	15MHz	QPSK	21375	1RB#74	-42.86	PASS
Band7	15MHz	QPSK	21375	75RB#0	-22.81	PASS
Band7	15MHz	16QAM	20825	1RB#0	-43.05	PASS
Band7	15MHz	16QAM	20825	1RB#74	-43.03	PASS
Band7	15MHz	16QAM	21375	1RB#0	-42.87	PASS
Band7	15MHz	16QAM	21375	1RB#74	-42.83	PASS
Band7	20MHz	QPSK	20850	1RB#0	-43.04	PASS
Band7	20MHz	QPSK	20850	1RB#99	-43.10	PASS
Band7	20MHz	QPSK	20850	100RB#0	-27.13	PASS
Band7	20MHz	QPSK	21350	1RB#0	-42.80	PASS

Band7	20MHz	QPSK	21350	1RB#99	-42.79	PASS
Band7	20MHz	QPSK	21350	100RB#0	-24.37	PASS
Band7	20MHz	16QAM	20850	1RB#0	-43.09	PASS
Band7	20MHz	16QAM	20850	1RB#99	-43.13	PASS
Band7	20MHz	16QAM	21350	1RB#0	-42.87	PASS
Band7	20MHz	16QAM	21350	1RB#99	-42.85	PASS

Test Graphs

