

FCC Appendix RF Test Data for LTE Band 7

Company: : AGRISOUND LIMITED

EUT : AGRISOUND_POLLY

Model Number : PV_3.1

FCC ID : 2BTNL-PV

Report No. : CTA25101401505

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	22.90	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.42	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.96	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.13	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.12	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.25	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.20	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.38	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.53	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.40	PASS
Band7	5MHz	QPSK	21100	12RB#0	22.34	PASS
Band7	5MHz	QPSK	21100	12RB#6	22.37	PASS
Band7	5MHz	QPSK	21100	12RB#13	22.39	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.39	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.88	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.18	PASS
Band7	5MHz	QPSK	21425	12RB#0	22.20	PASS
Band7	5MHz	QPSK	21425	12RB#6	22.20	PASS
Band7	5MHz	QPSK	21425	12RB#13	22.29	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.26	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.57	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.64	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.55	PASS
Band7	5MHz	16QAM	20775	12RB#0	21.22	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.33	PASS
Band7	5MHz	16QAM	20775	12RB#13	21.37	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.26	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.11	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.47	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.58	PASS
Band7	5MHz	16QAM	21100	12RB#0	21.62	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.63	PASS
Band7	5MHz	16QAM	21100	12RB#13	21.66	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.48	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.96	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.21	PASS

Band7	5MHz	16QAM	21425	1RB#24	22.06	PASS
Band7	5MHz	16QAM	21425	12RB#0	21.23	PASS
Band7	5MHz	16QAM	21425	12RB#6	21.15	PASS
Band7	5MHz	16QAM	21425	12RB#13	21.18	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.34	PASS
Band7	10MHz	QPSK	20800	1RB#0	21.22	PASS
Band7	10MHz	QPSK	20800	1RB#24	21.41	PASS
Band7	10MHz	QPSK	20800	1RB#49	21.63	PASS
Band7	10MHz	QPSK	20800	25RB#0	20.55	PASS
Band7	10MHz	QPSK	20800	25RB#12	20.54	PASS
Band7	10MHz	QPSK	20800	25RB#25	20.55	PASS
Band7	10MHz	QPSK	20800	50RB#0	20.54	PASS
Band7	10MHz	QPSK	21100	1RB#0	21.45	PASS
Band7	10MHz	QPSK	21100	1RB#24	21.76	PASS
Band7	10MHz	QPSK	21100	1RB#49	21.44	PASS
Band7	10MHz	QPSK	21100	25RB#0	20.46	PASS
Band7	10MHz	QPSK	21100	25RB#12	20.48	PASS
Band7	10MHz	QPSK	21100	25RB#25	20.54	PASS
Band7	10MHz	QPSK	21100	50RB#0	20.45	PASS
Band7	10MHz	QPSK	21400	1RB#0	21.20	PASS
Band7	10MHz	QPSK	21400	1RB#24	21.16	PASS
Band7	10MHz	QPSK	21400	1RB#49	21.31	PASS
Band7	10MHz	QPSK	21400	25RB#0	20.16	PASS
Band7	10MHz	QPSK	21400	25RB#12	20.11	PASS
Band7	10MHz	QPSK	21400	25RB#25	20.25	PASS
Band7	10MHz	QPSK	21400	50RB#0	20.16	PASS
Band7	10MHz	16QAM	20800	1RB#0	20.59	PASS
Band7	10MHz	16QAM	20800	1RB#24	20.68	PASS
Band7	10MHz	16QAM	20800	1RB#49	20.45	PASS
Band7	10MHz	16QAM	20800	25RB#0	19.60	PASS
Band7	10MHz	16QAM	20800	25RB#12	19.60	PASS
Band7	10MHz	16QAM	20800	25RB#25	19.56	PASS
Band7	10MHz	16QAM	21100	1RB#0	20.69	PASS
Band7	10MHz	16QAM	21100	1RB#24	20.65	PASS
Band7	10MHz	16QAM	21100	1RB#49	20.33	PASS
Band7	10MHz	16QAM	21100	25RB#0	19.52	PASS
Band7	10MHz	16QAM	21100	25RB#12	19.52	PASS
Band7	10MHz	16QAM	21100	25RB#25	19.49	PASS
Band7	10MHz	16QAM	21400	1RB#0	20.43	PASS
Band7	10MHz	16QAM	21400	1RB#24	20.75	PASS
Band7	10MHz	16QAM	21400	1RB#49	20.84	PASS
Band7	10MHz	16QAM	21400	25RB#0	19.20	PASS
Band7	10MHz	16QAM	21400	25RB#12	19.32	PASS

Band7	10MHz	16QAM	21400	25RB#25	19.45	PASS
Band7	15MHz	QPSK	20825	1RB#0	21.64	PASS
Band7	15MHz	QPSK	20825	1RB#38	21.33	PASS
Band7	15MHz	QPSK	20825	1RB#74	21.66	PASS
Band7	15MHz	QPSK	20825	38RB#0	20.62	PASS
Band7	15MHz	QPSK	20825	38RB#18	20.67	PASS
Band7	15MHz	QPSK	20825	38RB#37	20.67	PASS
Band7	15MHz	QPSK	20825	75RB#0	20.64	PASS
Band7	15MHz	QPSK	21100	1RB#0	21.56	PASS
Band7	15MHz	QPSK	21100	1RB#38	21.57	PASS
Band7	15MHz	QPSK	21100	1RB#74	21.38	PASS
Band7	15MHz	QPSK	21100	38RB#0	20.47	PASS
Band7	15MHz	QPSK	21100	38RB#18	20.48	PASS
Band7	15MHz	QPSK	21100	38RB#37	20.48	PASS
Band7	15MHz	QPSK	21100	75RB#0	20.45	PASS
Band7	15MHz	QPSK	21375	1RB#0	21.57	PASS
Band7	15MHz	QPSK	21375	1RB#38	21.20	PASS
Band7	15MHz	QPSK	21375	1RB#74	21.52	PASS
Band7	15MHz	QPSK	21375	38RB#0	20.18	PASS
Band7	15MHz	QPSK	21375	38RB#18	20.11	PASS
Band7	15MHz	QPSK	21375	38RB#37	20.11	PASS
Band7	15MHz	QPSK	21375	75RB#0	20.17	PASS
Band7	15MHz	16QAM	20825	1RB#0	20.31	PASS
Band7	15MHz	16QAM	20825	1RB#38	20.34	PASS
Band7	15MHz	16QAM	20825	1RB#74	20.51	PASS
Band7	15MHz	16QAM	20825	38RB#0	20.56	PASS
Band7	15MHz	16QAM	20825	38RB#18	20.50	PASS
Band7	15MHz	16QAM	20825	38RB#37	20.55	PASS
Band7	15MHz	16QAM	21100	1RB#0	20.23	PASS
Band7	15MHz	16QAM	21100	1RB#38	20.73	PASS
Band7	15MHz	16QAM	21100	1RB#74	20.60	PASS
Band7	15MHz	16QAM	21100	38RB#0	20.47	PASS
Band7	15MHz	16QAM	21100	38RB#18	20.48	PASS
Band7	15MHz	16QAM	21100	38RB#37	20.48	PASS
Band7	15MHz	16QAM	21375	1RB#0	20.27	PASS
Band7	15MHz	16QAM	21375	1RB#38	20.45	PASS
Band7	15MHz	16QAM	21375	1RB#74	20.58	PASS
Band7	15MHz	16QAM	21375	38RB#0	20.14	PASS
Band7	15MHz	16QAM	21375	38RB#18	20.11	PASS
Band7	15MHz	16QAM	21375	38RB#37	20.11	PASS
Band7	20MHz	QPSK	20850	1RB#0	21.40	PASS
Band7	20MHz	QPSK	20850	1RB#49	21.85	PASS
Band7	20MHz	QPSK	20850	1RB#99	21.49	PASS

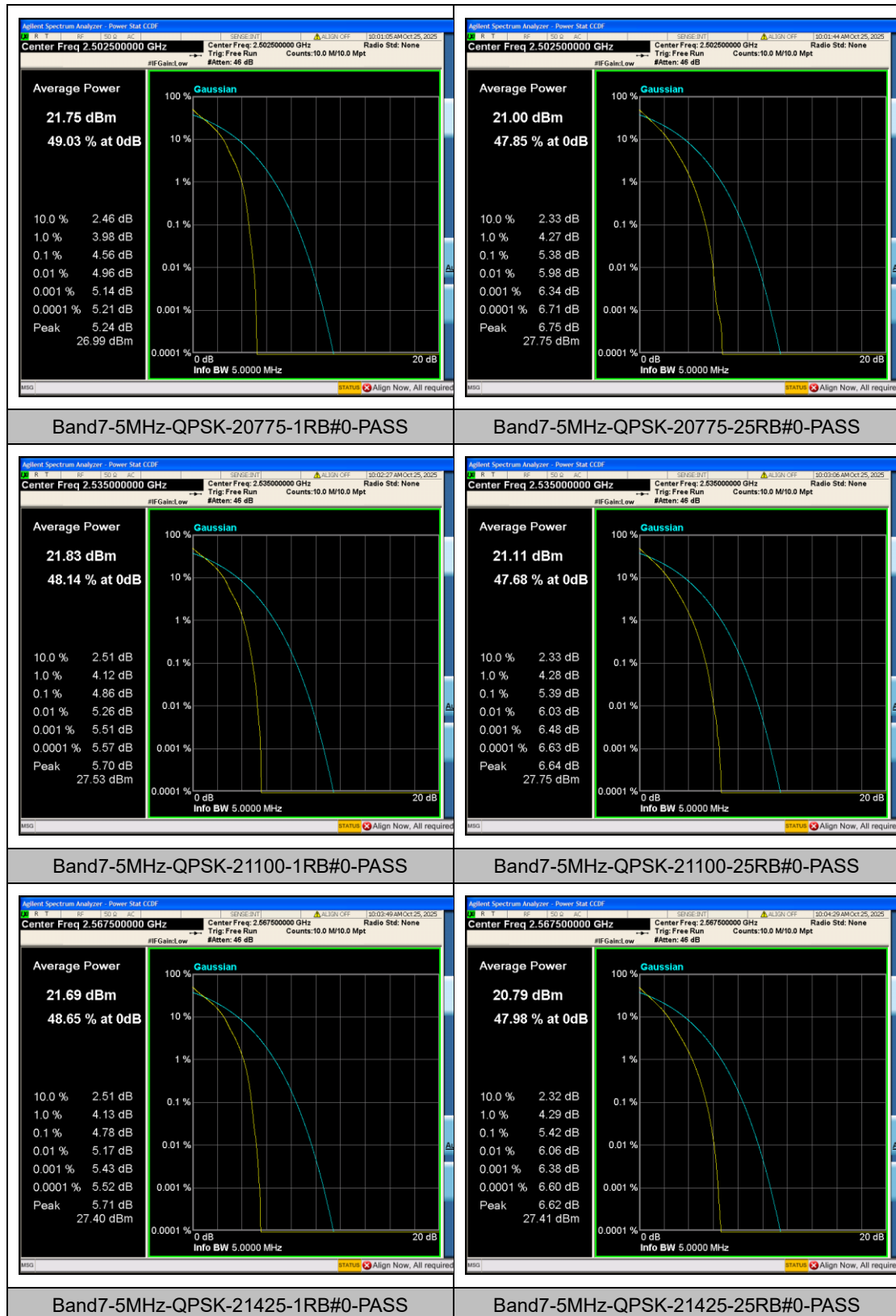
Band7	20MHz	QPSK	20850	50RB#0	20.44	PASS
Band7	20MHz	QPSK	20850	50RB#25	20.43	PASS
Band7	20MHz	QPSK	20850	50RB#50	20.46	PASS
Band7	20MHz	QPSK	20850	100RB#0	20.55	PASS
Band7	20MHz	QPSK	21100	1RB#0	21.63	PASS
Band7	20MHz	QPSK	21100	1RB#49	21.58	PASS
Band7	20MHz	QPSK	21100	1RB#99	21.14	PASS
Band7	20MHz	QPSK	21100	50RB#0	20.56	PASS
Band7	20MHz	QPSK	21100	50RB#25	20.62	PASS
Band7	20MHz	QPSK	21100	50RB#50	20.51	PASS
Band7	20MHz	QPSK	21100	100RB#0	20.50	PASS
Band7	20MHz	QPSK	21350	1RB#0	21.32	PASS
Band7	20MHz	QPSK	21350	1RB#49	21.39	PASS
Band7	20MHz	QPSK	21350	1RB#99	21.41	PASS
Band7	20MHz	QPSK	21350	50RB#0	20.31	PASS
Band7	20MHz	QPSK	21350	50RB#25	20.32	PASS
Band7	20MHz	QPSK	21350	50RB#50	20.18	PASS
Band7	20MHz	QPSK	21350	100RB#0	20.23	PASS
Band7	20MHz	16QAM	20850	1RB#0	20.45	PASS
Band7	20MHz	16QAM	20850	1RB#49	20.96	PASS
Band7	20MHz	16QAM	20850	1RB#99	19.91	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.32	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.15	PASS
Band7	20MHz	16QAM	21100	1RB#99	20.99	PASS
Band7	20MHz	16QAM	21350	1RB#0	20.20	PASS
Band7	20MHz	16QAM	21350	1RB#49	20.71	PASS
Band7	20MHz	16QAM	21350	1RB#99	20.16	PASS

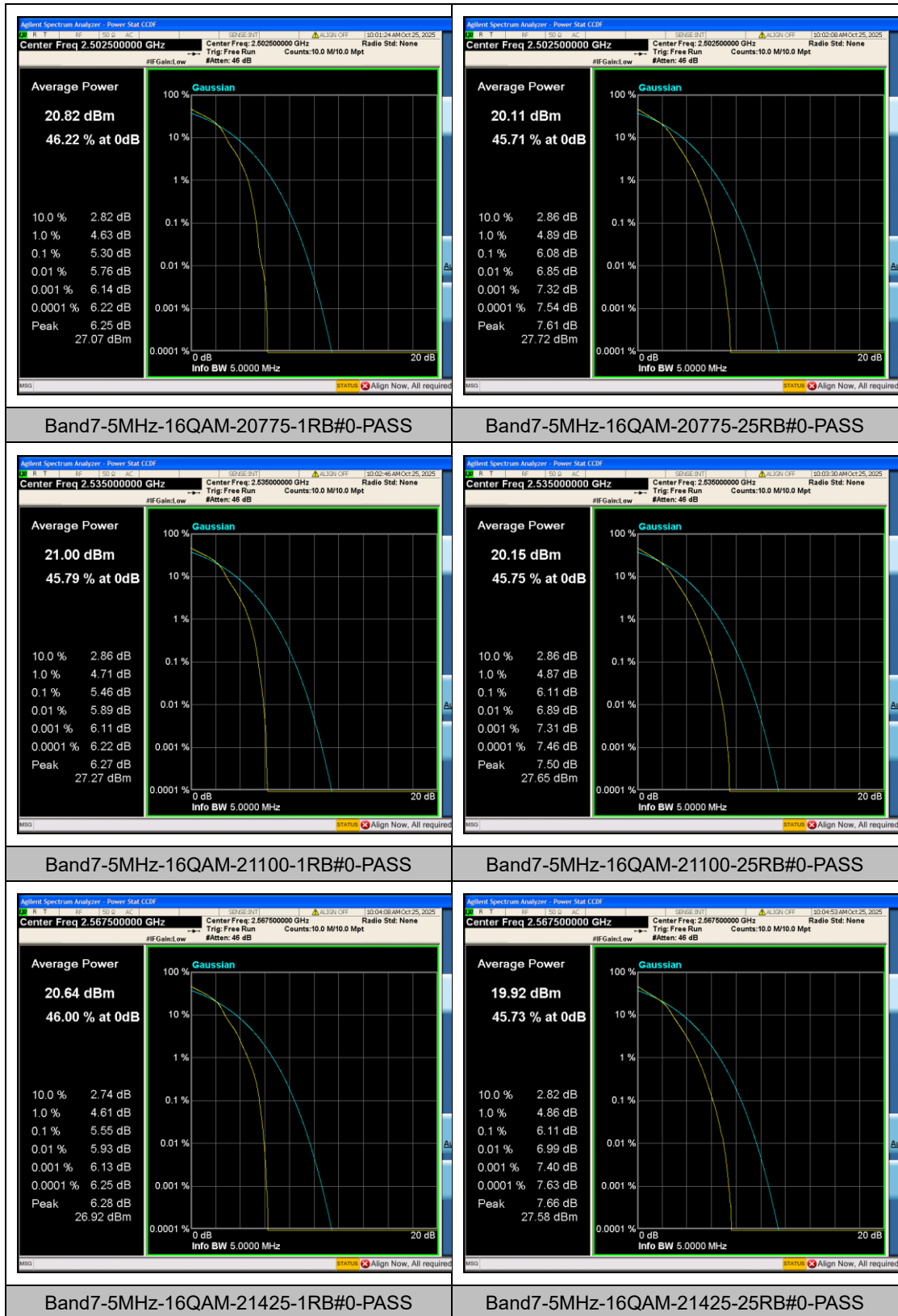
Appendix B: Peak-to-Average Ratio(CCDF)

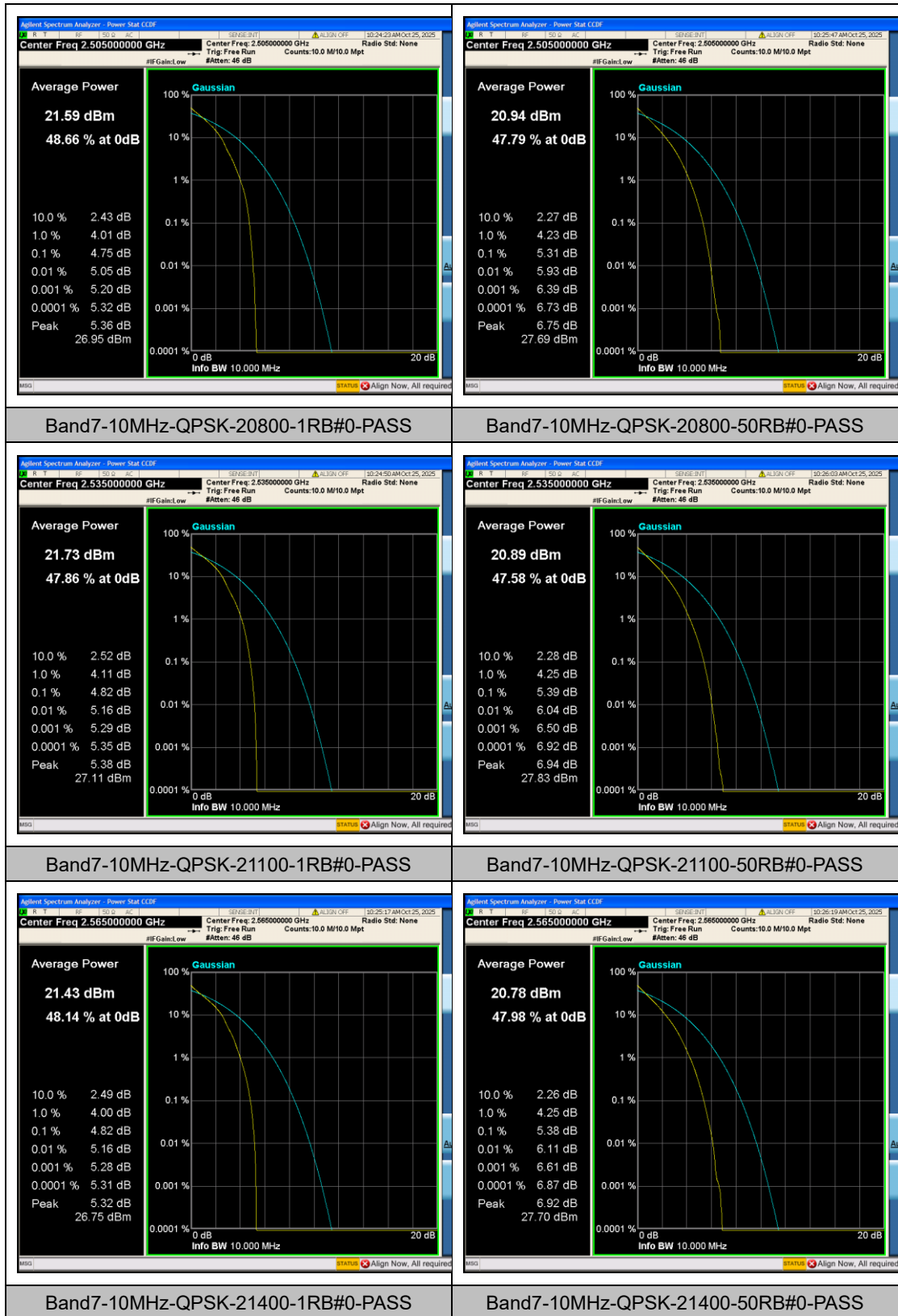
Test Result

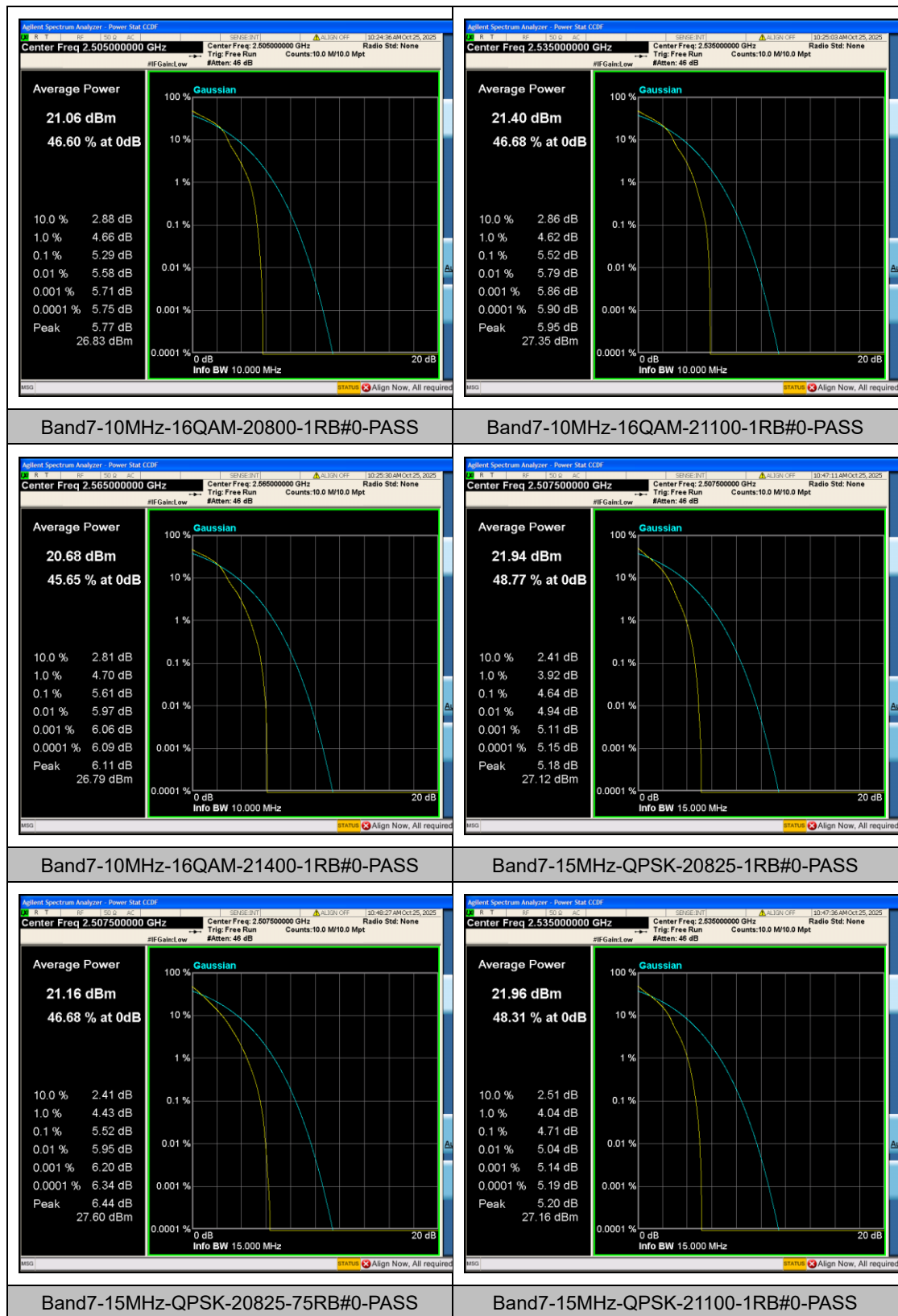
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	4.56	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.38	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	4.86	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.39	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	4.78	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.42	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	5.30	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	6.08	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.46	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.11	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	5.55	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.11	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	4.75	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.31	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	4.82	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.39	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	4.82	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.38	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	5.29	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	5.52	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	5.61	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	4.64	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.52	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	4.71	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.66	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	4.53	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.67	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	5.73	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.38	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	5.33	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	4.58	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.13	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.79	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.34	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.27	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.27	13	PASS

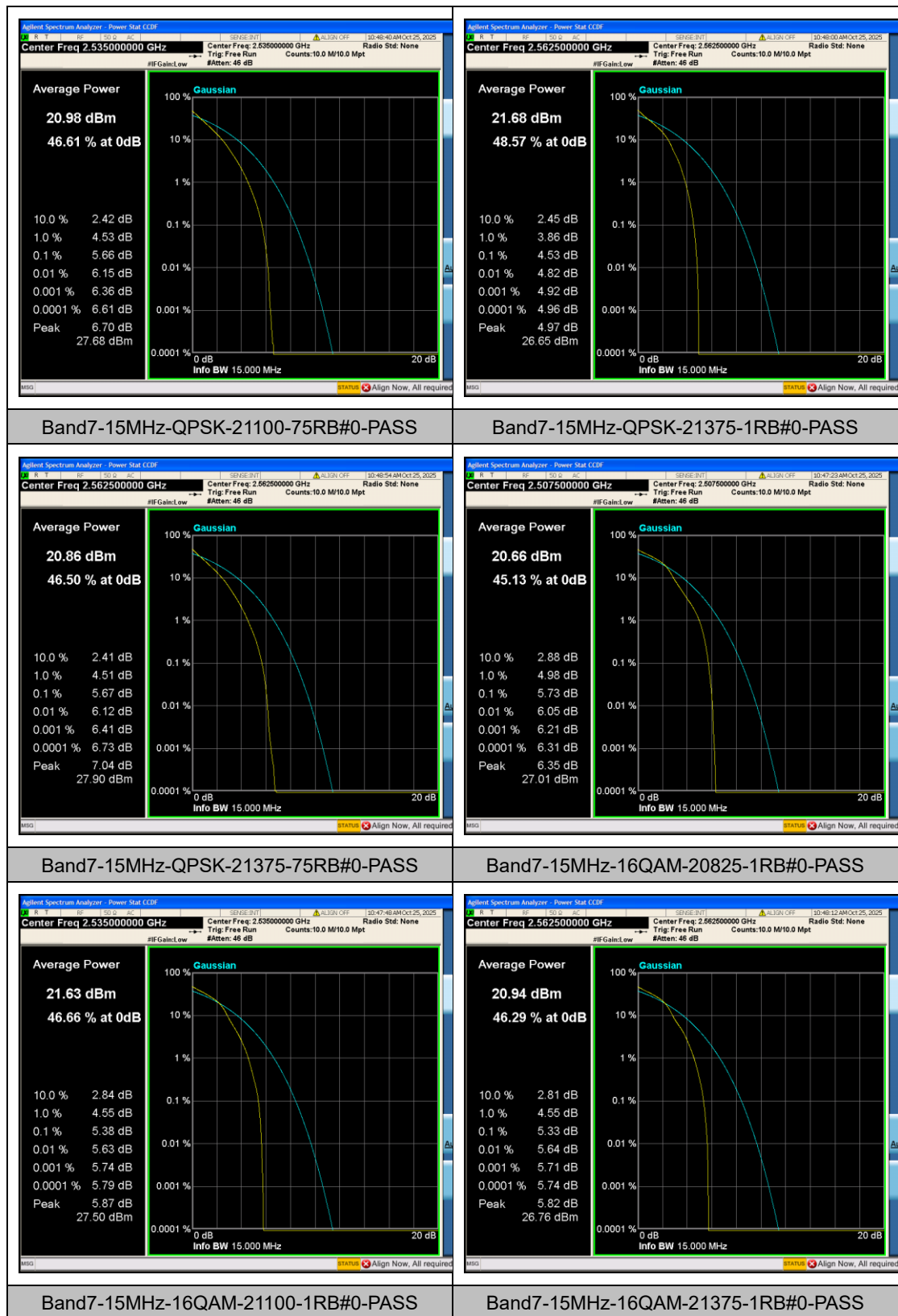
Test Graphs

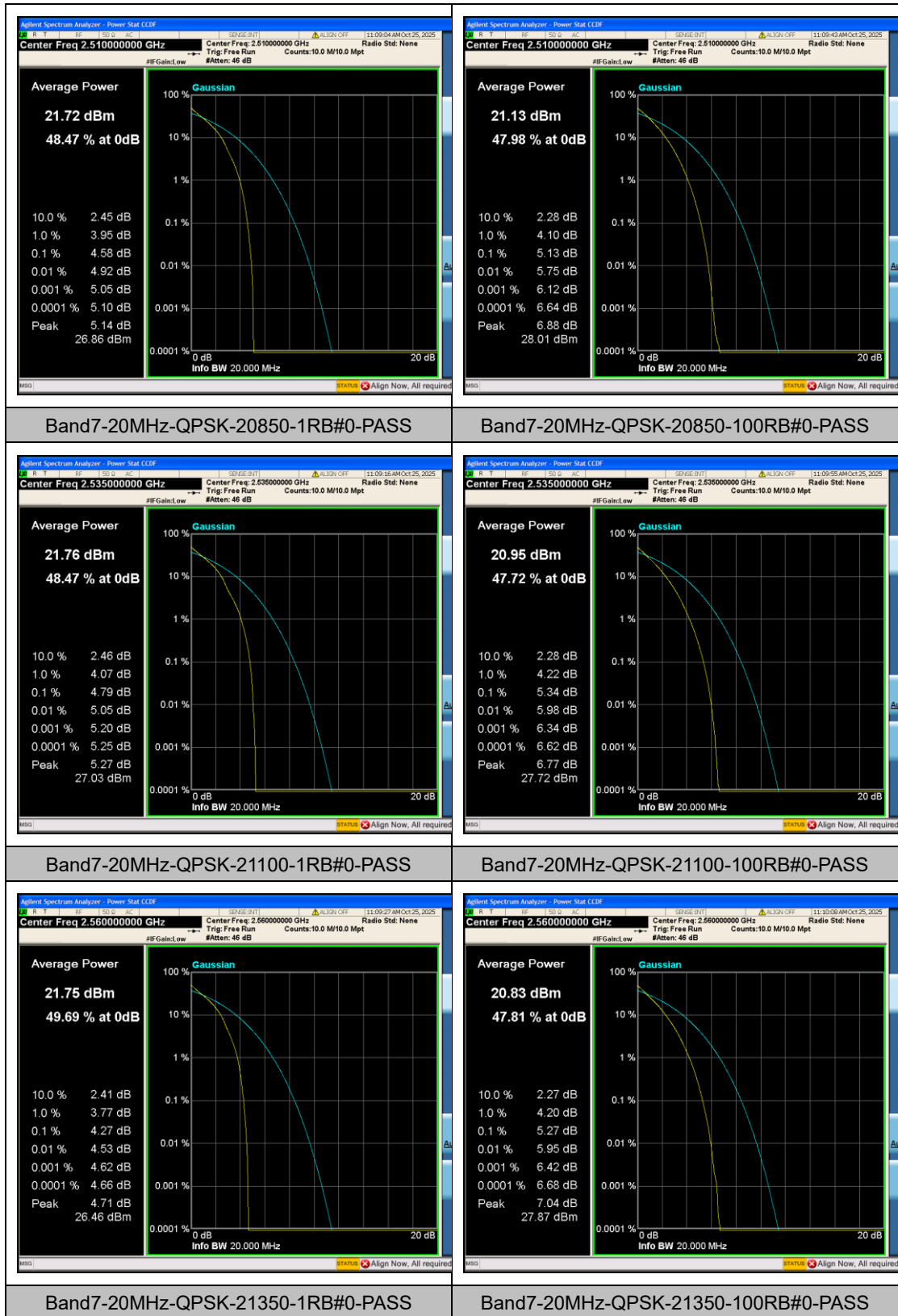










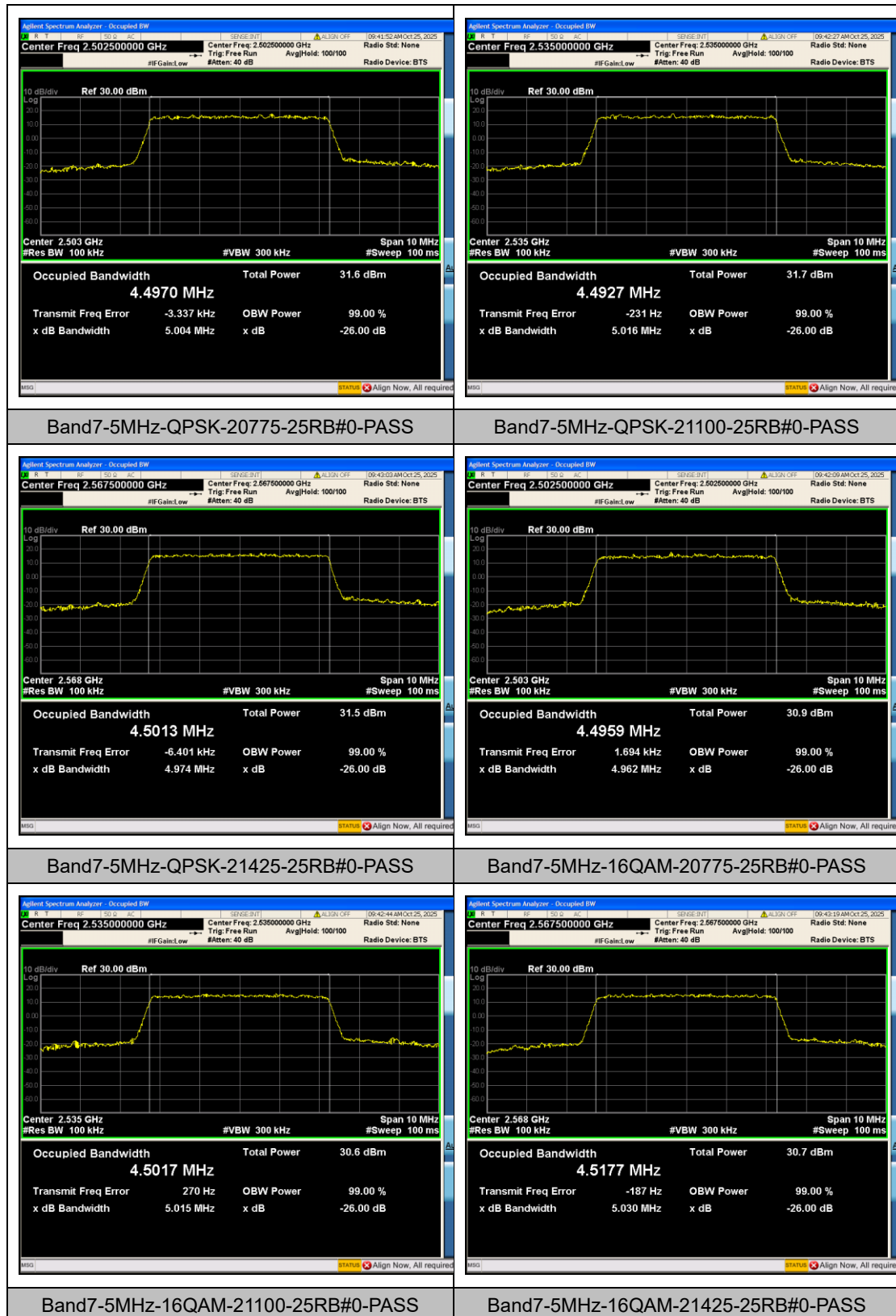


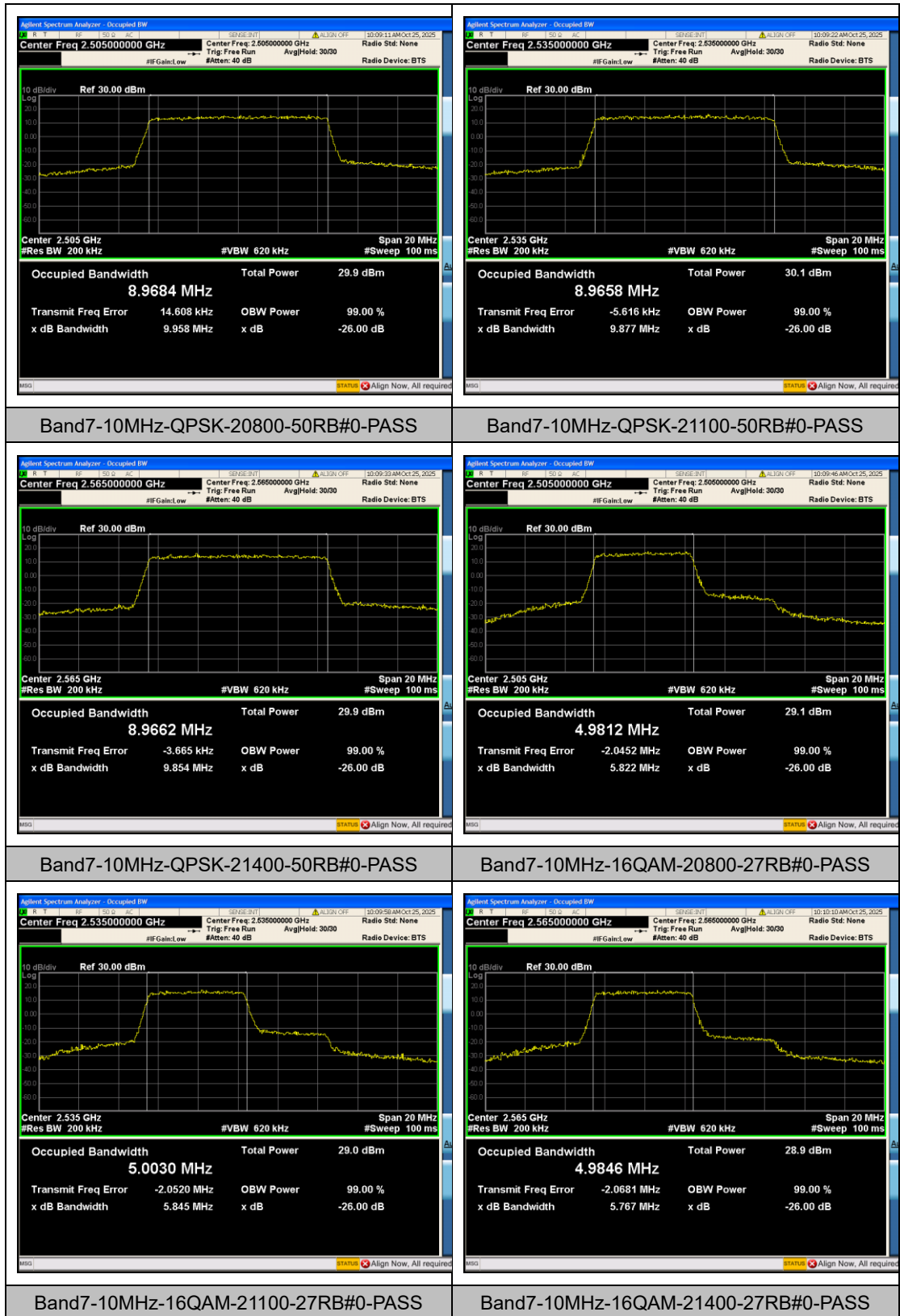
Appendix C: 26dB Bandwidth and Occupied Bandwidth

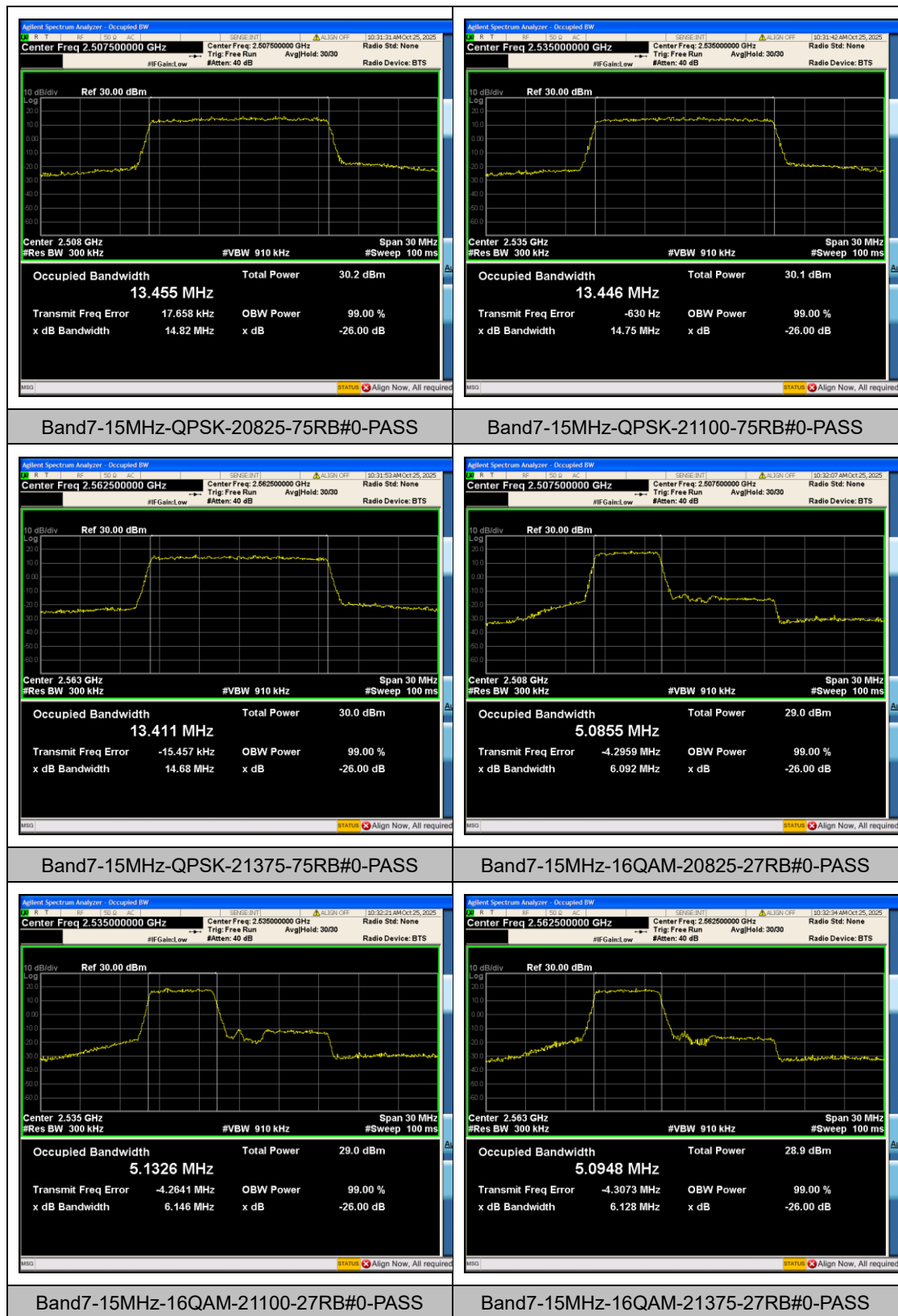
Test Result

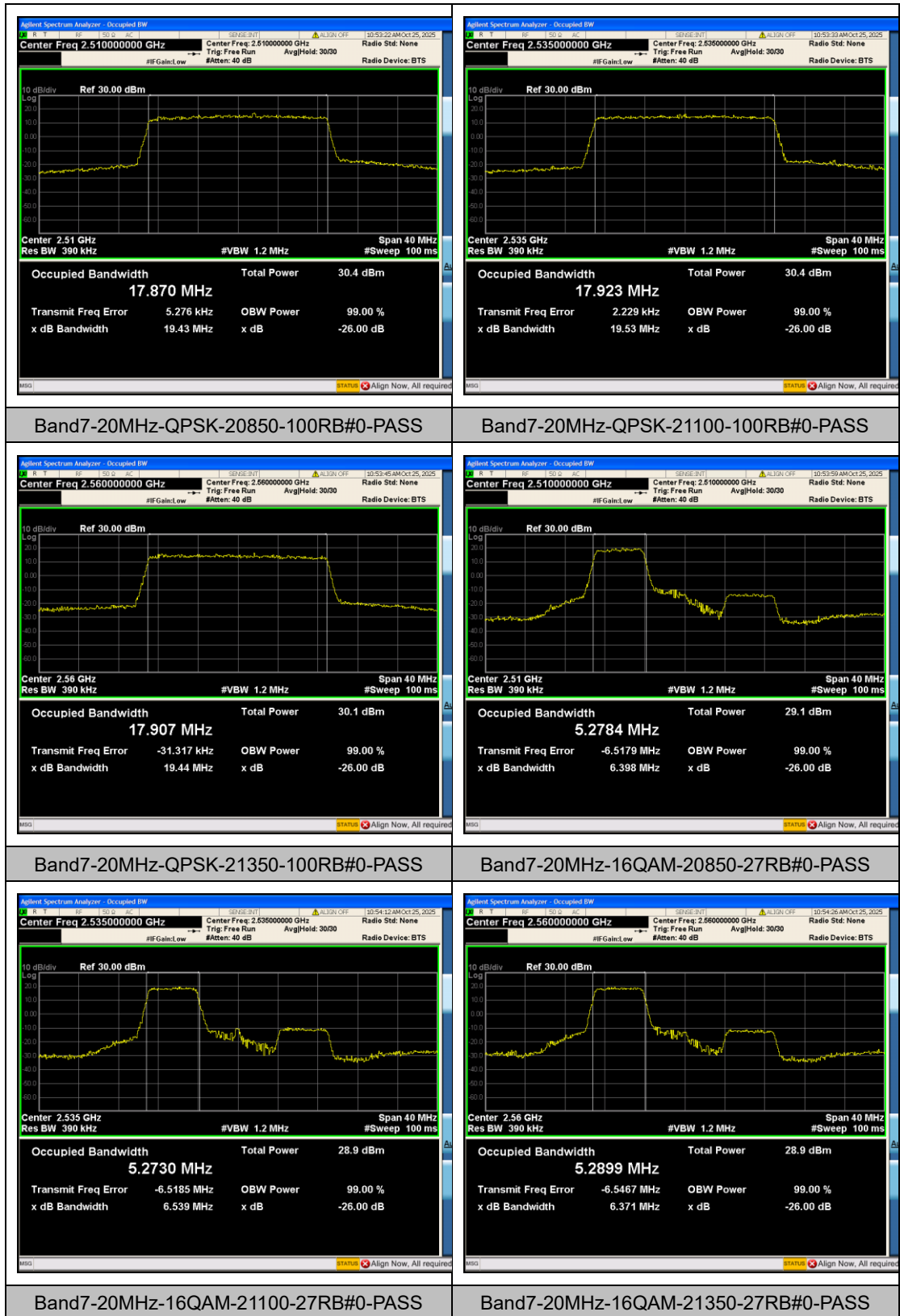
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.4970	5.004	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4927	5.016	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5013	4.974	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4959	4.962	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5017	5.015	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5177	5.030	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9684	9.958	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9658	9.877	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9662	9.854	PASS
Band7	10MHz	16QAM	20800	27RB#0	4.9812	5.822	PASS
Band7	10MHz	16QAM	21100	27RB#0	5.0030	5.845	PASS
Band7	10MHz	16QAM	21400	27RB#0	4.9846	5.767	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.455	14.82	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.446	14.75	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.411	14.68	PASS
Band7	15MHz	16QAM	20825	27RB#0	5.0855	6.092	PASS
Band7	15MHz	16QAM	21100	27RB#0	5.1326	6.146	PASS
Band7	15MHz	16QAM	21375	27RB#0	5.0948	6.128	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.870	19.43	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.923	19.53	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.907	19.44	PASS
Band7	20MHz	16QAM	20850	27RB#0	5.2784	6.398	PASS
Band7	20MHz	16QAM	21100	27RB#0	5.2730	6.539	PASS
Band7	20MHz	16QAM	21350	27RB#0	5.2899	6.371	PASS

Test Graphs









Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-23.77	PASS
Band7	5MHz	QPSK	20775	1RB#24	-43.04	PASS
Band7	5MHz	QPSK	20775	25RB#0	-23.64	PASS
Band7	5MHz	QPSK	21425	1RB#0	-42.56	PASS
Band7	5MHz	QPSK	21425	1RB#24	-23.66	PASS
Band7	5MHz	QPSK	21425	25RB#0	-21.85	PASS
Band7	5MHz	16QAM	20775	1RB#0	-25.51	PASS
Band7	5MHz	16QAM	20775	1RB#24	-43.12	PASS
Band7	5MHz	16QAM	20775	25RB#0	-24.57	PASS
Band7	5MHz	16QAM	21425	1RB#0	-42.60	PASS
Band7	5MHz	16QAM	21425	1RB#24	-24.79	PASS
Band7	5MHz	16QAM	21425	25RB#0	-21.92	PASS
Band7	10MHz	QPSK	20800	1RB#0	-43.01	PASS
Band7	10MHz	QPSK	20800	1RB#49	-43.01	PASS
Band7	10MHz	QPSK	20800	50RB#0	-42.22	PASS
Band7	10MHz	QPSK	21400	1RB#0	-42.55	PASS
Band7	10MHz	QPSK	21400	1RB#49	-42.55	PASS
Band7	10MHz	QPSK	21400	50RB#0	-26.01	PASS
Band7	10MHz	16QAM	20800	1RB#0	-42.96	PASS
Band7	10MHz	16QAM	20800	1RB#49	-42.84	PASS
Band7	10MHz	16QAM	21400	1RB#0	-42.55	PASS
Band7	10MHz	16QAM	21400	1RB#49	-42.49	PASS
Band7	15MHz	QPSK	20825	1RB#0	-42.99	PASS
Band7	15MHz	QPSK	20825	1RB#74	-43.05	PASS
Band7	15MHz	QPSK	20825	75RB#0	-27.49	PASS
Band7	15MHz	QPSK	21375	1RB#0	-42.69	PASS
Band7	15MHz	QPSK	21375	1RB#74	-42.63	PASS
Band7	15MHz	QPSK	21375	75RB#0	-28.96	PASS
Band7	15MHz	16QAM	20825	1RB#0	-43.10	PASS
Band7	15MHz	16QAM	20825	1RB#74	-43.06	PASS
Band7	15MHz	16QAM	21375	1RB#0	-42.67	PASS
Band7	15MHz	16QAM	21375	1RB#74	-42.60	PASS
Band7	20MHz	QPSK	20850	1RB#0	-43.05	PASS
Band7	20MHz	QPSK	20850	1RB#99	-43.08	PASS
Band7	20MHz	QPSK	20850	100RB#0	-43.04	PASS
Band7	20MHz	QPSK	21350	1RB#0	-42.61	PASS
Band7	20MHz	QPSK	21350	1RB#99	-42.63	PASS

Band7	20MHz	QPSK	21350	100RB#0	-42.55	PASS
Band7	20MHz	16QAM	20850	1RB#0	-43.11	PASS
Band7	20MHz	16QAM	20850	1RB#99	-43.01	PASS
Band7	20MHz	16QAM	21350	1RB#0	-42.67	PASS
Band7	20MHz	16QAM	21350	1RB#99	-42.66	PASS

Test Graphs

