

FCC Appendix RF Test Data for LTE Band 41

Company: : AGRISOUND LIMITED

EUT : AGRISOUND_POLLY

Model Number : PV_3.1

FCC ID : 2BTNL-PV

Report No. : CTA25101401512

Reviewed By : Eric Wang

Appendix A: Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	23.44	PASS
Band41	5MHz	QPSK	39675	1RB#12	23.50	PASS
Band41	5MHz	QPSK	39675	1RB#24	23.64	PASS
Band41	5MHz	QPSK	39675	12RB#0	22.60	PASS
Band41	5MHz	QPSK	39675	12RB#6	22.53	PASS
Band41	5MHz	QPSK	39675	12RB#13	22.62	PASS
Band41	5MHz	QPSK	39675	25RB#0	22.52	PASS
Band41	5MHz	QPSK	40620	1RB#0	23.48	PASS
Band41	5MHz	QPSK	40620	1RB#12	23.68	PASS
Band41	5MHz	QPSK	40620	1RB#24	23.60	PASS
Band41	5MHz	QPSK	40620	12RB#0	22.84	PASS
Band41	5MHz	QPSK	40620	12RB#6	22.80	PASS
Band41	5MHz	QPSK	40620	12RB#13	22.77	PASS
Band41	5MHz	QPSK	40620	25RB#0	22.80	PASS
Band41	5MHz	QPSK	41565	1RB#0	23.40	PASS
Band41	5MHz	QPSK	41565	1RB#12	23.50	PASS
Band41	5MHz	QPSK	41565	1RB#24	23.54	PASS
Band41	5MHz	QPSK	41565	12RB#0	22.76	PASS
Band41	5MHz	QPSK	41565	12RB#6	22.77	PASS
Band41	5MHz	QPSK	41565	12RB#13	22.67	PASS
Band41	5MHz	QPSK	41565	25RB#0	22.69	PASS
Band41	5MHz	16QAM	39675	1RB#0	23.24	PASS
Band41	5MHz	16QAM	39675	1RB#12	23.13	PASS
Band41	5MHz	16QAM	39675	1RB#24	22.91	PASS
Band41	5MHz	16QAM	39675	12RB#0	21.42	PASS
Band41	5MHz	16QAM	39675	12RB#6	21.42	PASS
Band41	5MHz	16QAM	39675	12RB#13	21.47	PASS
Band41	5MHz	16QAM	39675	25RB#0	21.60	PASS
Band41	5MHz	16QAM	40620	1RB#0	22.67	PASS
Band41	5MHz	16QAM	40620	1RB#12	23.31	PASS
Band41	5MHz	16QAM	40620	1RB#24	23.17	PASS
Band41	5MHz	16QAM	40620	12RB#0	21.79	PASS
Band41	5MHz	16QAM	40620	12RB#6	21.79	PASS
Band41	5MHz	16QAM	40620	12RB#13	21.79	PASS
Band41	5MHz	16QAM	40620	25RB#0	21.86	PASS
Band41	5MHz	16QAM	41565	1RB#0	23.16	PASS
Band41	5MHz	16QAM	41565	1RB#12	22.99	PASS

Band41	5MHz	16QAM	41565	1RB#24	22.82	PASS
Band41	5MHz	16QAM	41565	12RB#0	21.73	PASS
Band41	5MHz	16QAM	41565	12RB#6	21.73	PASS
Band41	5MHz	16QAM	41565	12RB#13	21.69	PASS
Band41	5MHz	16QAM	41565	25RB#0	21.86	PASS
Band41	10MHz	QPSK	39700	1RB#0	23.46	PASS
Band41	10MHz	QPSK	39700	1RB#24	23.54	PASS
Band41	10MHz	QPSK	39700	1RB#49	24.01	PASS
Band41	10MHz	QPSK	39700	25RB#0	22.63	PASS
Band41	10MHz	QPSK	39700	25RB#12	22.64	PASS
Band41	10MHz	QPSK	39700	25RB#25	22.72	PASS
Band41	10MHz	QPSK	39700	50RB#0	22.57	PASS
Band41	10MHz	QPSK	40620	1RB#0	23.96	PASS
Band41	10MHz	QPSK	40620	1RB#24	23.92	PASS
Band41	10MHz	QPSK	40620	1RB#49	23.75	PASS
Band41	10MHz	QPSK	40620	25RB#0	22.81	PASS
Band41	10MHz	QPSK	40620	25RB#12	22.84	PASS
Band41	10MHz	QPSK	40620	25RB#25	22.83	PASS
Band41	10MHz	QPSK	40620	50RB#0	22.86	PASS
Band41	10MHz	QPSK	41540	1RB#0	23.60	PASS
Band41	10MHz	QPSK	41540	1RB#24	23.56	PASS
Band41	10MHz	QPSK	41540	1RB#49	23.70	PASS
Band41	10MHz	QPSK	41540	25RB#0	22.69	PASS
Band41	10MHz	QPSK	41540	25RB#12	22.81	PASS
Band41	10MHz	QPSK	41540	25RB#25	22.77	PASS
Band41	10MHz	QPSK	41540	50RB#0	22.75	PASS
Band41	10MHz	16QAM	39700	1RB#0	22.80	PASS
Band41	10MHz	16QAM	39700	1RB#24	22.79	PASS
Band41	10MHz	16QAM	39700	1RB#49	22.82	PASS
Band41	10MHz	16QAM	39700	25RB#0	21.64	PASS
Band41	10MHz	16QAM	39700	25RB#12	21.65	PASS
Band41	10MHz	16QAM	39700	25RB#25	21.70	PASS
Band41	10MHz	16QAM	40620	1RB#0	23.12	PASS
Band41	10MHz	16QAM	40620	1RB#24	22.78	PASS
Band41	10MHz	16QAM	40620	1RB#49	23.13	PASS
Band41	10MHz	16QAM	40620	25RB#0	21.87	PASS
Band41	10MHz	16QAM	40620	25RB#12	21.88	PASS
Band41	10MHz	16QAM	40620	25RB#25	21.89	PASS
Band41	10MHz	16QAM	41540	1RB#0	22.78	PASS
Band41	10MHz	16QAM	41540	1RB#24	22.92	PASS
Band41	10MHz	16QAM	41540	1RB#49	22.88	PASS
Band41	10MHz	16QAM	41540	25RB#0	21.82	PASS
Band41	10MHz	16QAM	41540	25RB#12	21.83	PASS

Band41	10MHz	16QAM	41540	25RB#25	21.81	PASS
Band41	15MHz	QPSK	39725	1RB#0	23.48	PASS
Band41	15MHz	QPSK	39725	1RB#38	23.55	PASS
Band41	15MHz	QPSK	39725	1RB#74	23.58	PASS
Band41	15MHz	QPSK	39725	38RB#0	22.56	PASS
Band41	15MHz	QPSK	39725	38RB#18	22.43	PASS
Band41	15MHz	QPSK	39725	38RB#37	22.56	PASS
Band41	15MHz	QPSK	39725	75RB#0	22.61	PASS
Band41	15MHz	QPSK	40620	1RB#0	23.78	PASS
Band41	15MHz	QPSK	40620	1RB#38	23.67	PASS
Band41	15MHz	QPSK	40620	1RB#74	23.66	PASS
Band41	15MHz	QPSK	40620	38RB#0	22.89	PASS
Band41	15MHz	QPSK	40620	38RB#18	22.90	PASS
Band41	15MHz	QPSK	40620	38RB#37	22.90	PASS
Band41	15MHz	QPSK	40620	75RB#0	22.88	PASS
Band41	15MHz	QPSK	41515	1RB#0	23.69	PASS
Band41	15MHz	QPSK	41515	1RB#38	23.68	PASS
Band41	15MHz	QPSK	41515	1RB#74	23.57	PASS
Band41	15MHz	QPSK	41515	38RB#0	22.73	PASS
Band41	15MHz	QPSK	41515	38RB#18	22.73	PASS
Band41	15MHz	QPSK	41515	38RB#37	22.73	PASS
Band41	15MHz	QPSK	41515	75RB#0	22.74	PASS
Band41	15MHz	16QAM	39725	1RB#0	22.43	PASS
Band41	15MHz	16QAM	39725	1RB#38	22.51	PASS
Band41	15MHz	16QAM	39725	1RB#74	22.62	PASS
Band41	15MHz	16QAM	39725	38RB#0	22.50	PASS
Band41	15MHz	16QAM	39725	38RB#18	22.56	PASS
Band41	15MHz	16QAM	39725	38RB#37	22.56	PASS
Band41	15MHz	16QAM	40620	1RB#0	22.77	PASS
Band41	15MHz	16QAM	40620	1RB#38	22.72	PASS
Band41	15MHz	16QAM	40620	1RB#74	22.70	PASS
Band41	15MHz	16QAM	40620	38RB#0	22.89	PASS
Band41	15MHz	16QAM	40620	38RB#18	22.89	PASS
Band41	15MHz	16QAM	40620	38RB#37	22.89	PASS
Band41	15MHz	16QAM	41515	1RB#0	23.01	PASS
Band41	15MHz	16QAM	41515	1RB#38	22.94	PASS
Band41	15MHz	16QAM	41515	1RB#74	22.77	PASS
Band41	15MHz	16QAM	41515	38RB#0	22.73	PASS
Band41	15MHz	16QAM	41515	38RB#18	22.73	PASS
Band41	15MHz	16QAM	41515	38RB#37	22.73	PASS
Band41	20MHz	QPSK	39750	1RB#0	23.38	PASS
Band41	20MHz	QPSK	39750	1RB#49	24.02	PASS
Band41	20MHz	QPSK	39750	1RB#99	23.57	PASS

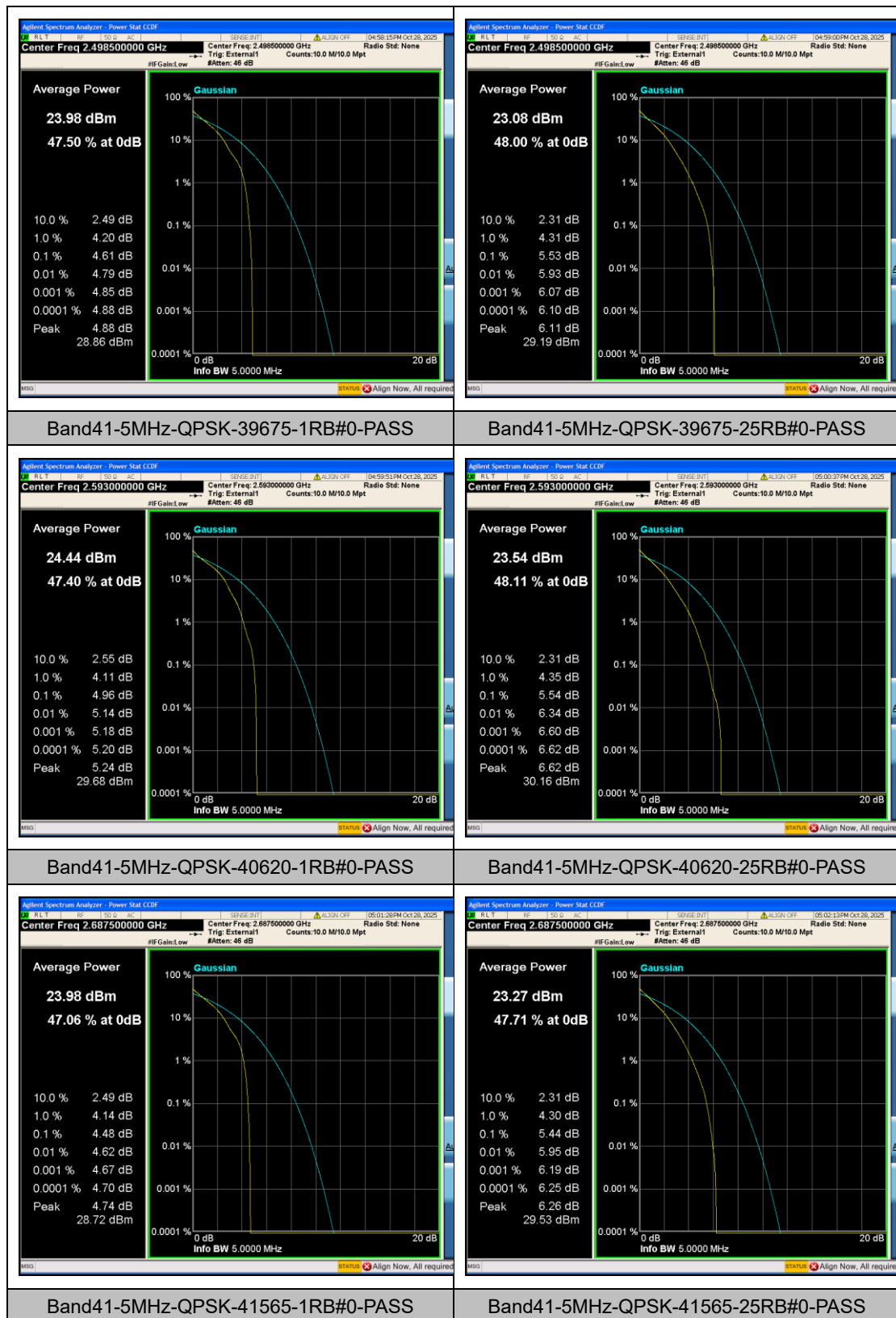
Band41	20MHz	QPSK	39750	50RB#0	22.45	PASS
Band41	20MHz	QPSK	39750	50RB#25	22.45	PASS
Band41	20MHz	QPSK	39750	50RB#50	22.63	PASS
Band41	20MHz	QPSK	39750	100RB#0	22.52	PASS
Band41	20MHz	QPSK	40620	1RB#0	23.94	PASS
Band41	20MHz	QPSK	40620	1RB#49	24.12	PASS
Band41	20MHz	QPSK	40620	1RB#99	23.82	PASS
Band41	20MHz	QPSK	40620	50RB#0	22.82	PASS
Band41	20MHz	QPSK	40620	50RB#25	22.86	PASS
Band41	20MHz	QPSK	40620	50RB#50	22.76	PASS
Band41	20MHz	QPSK	40620	100RB#0	22.93	PASS
Band41	20MHz	QPSK	41490	1RB#0	23.79	PASS
Band41	20MHz	QPSK	41490	1RB#49	23.88	PASS
Band41	20MHz	QPSK	41490	1RB#99	23.71	PASS
Band41	20MHz	QPSK	41490	50RB#0	22.78	PASS
Band41	20MHz	QPSK	41490	50RB#25	22.84	PASS
Band41	20MHz	QPSK	41490	50RB#50	22.59	PASS
Band41	20MHz	QPSK	41490	100RB#0	22.80	PASS
Band41	20MHz	16QAM	39750	1RB#0	22.92	PASS
Band41	20MHz	16QAM	39750	1RB#49	23.40	PASS
Band41	20MHz	16QAM	39750	1RB#99	23.02	PASS
Band41	20MHz	16QAM	40620	1RB#0	23.08	PASS
Band41	20MHz	16QAM	40620	1RB#49	23.01	PASS
Band41	20MHz	16QAM	40620	1RB#99	22.98	PASS
Band41	20MHz	16QAM	41490	1RB#0	23.45	PASS
Band41	20MHz	16QAM	41490	1RB#49	23.39	PASS
Band41	20MHz	16QAM	41490	1RB#99	23.04	PASS

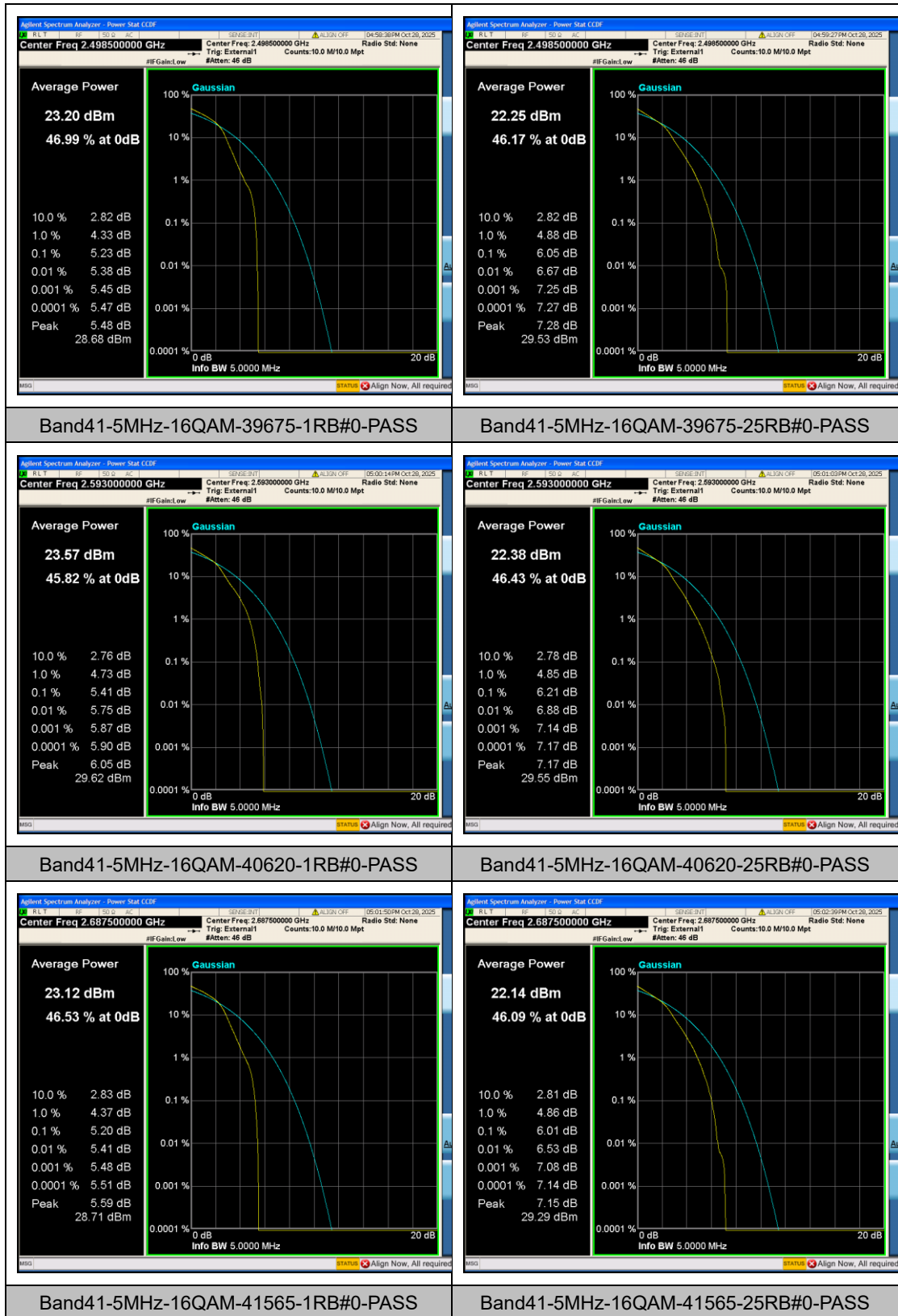
Appendix B: Peak-to-Average Ratio(CCDF)

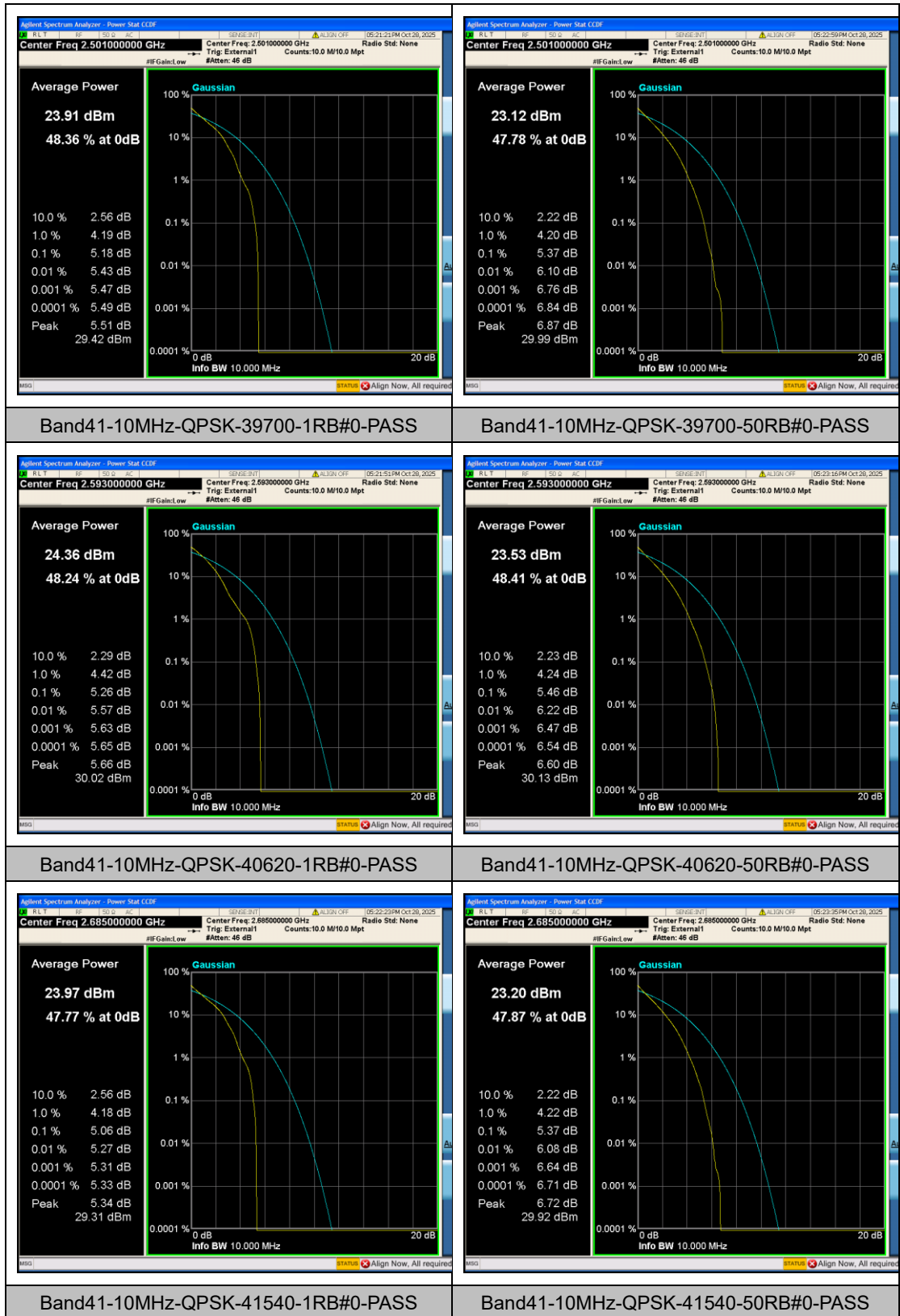
Test Result

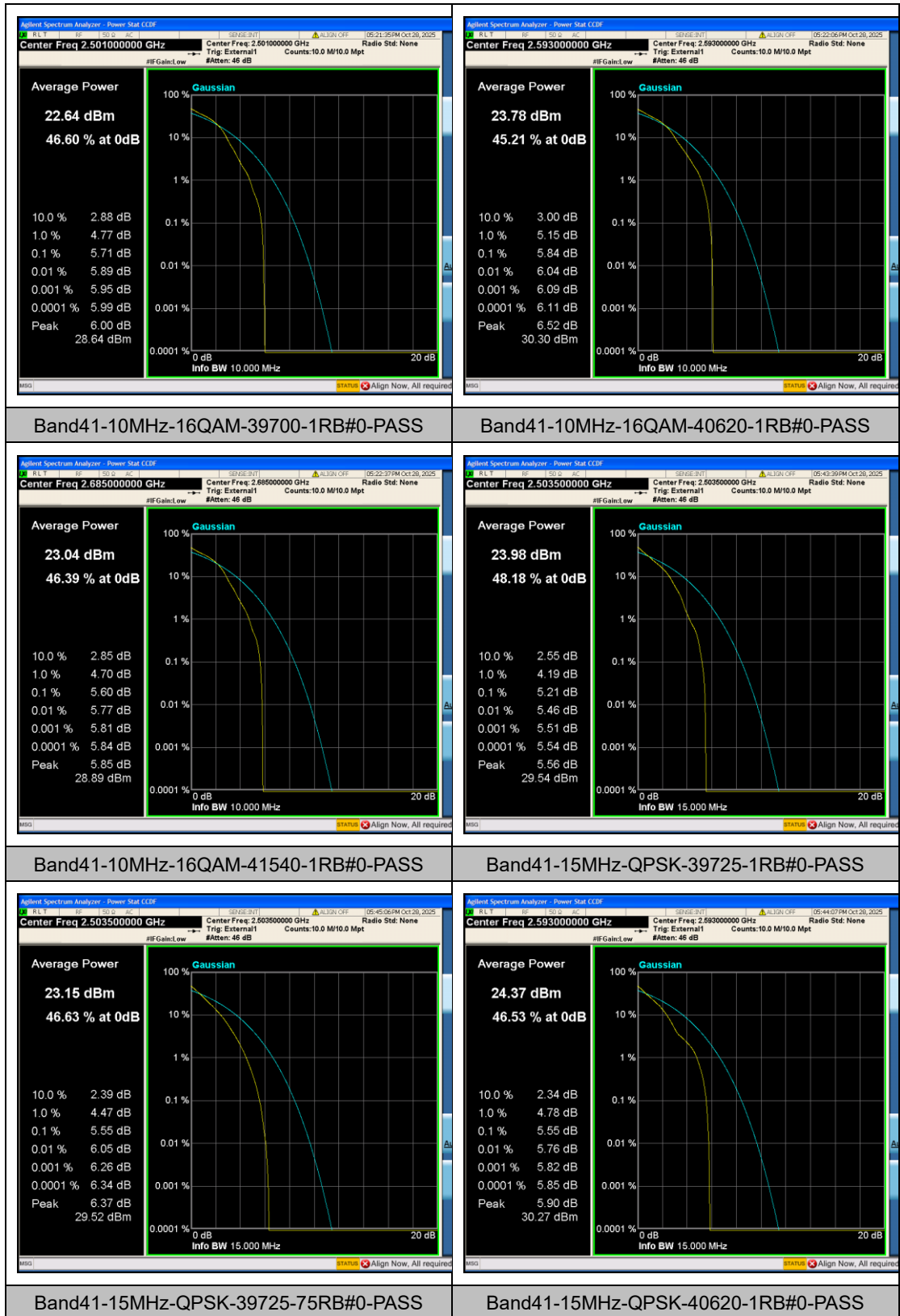
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	4.61	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	5.53	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	4.96	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	5.54	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	4.48	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	5.44	13	PASS
Band41	5MHz	16QAM	39675	1RB#0	5.23	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	6.05	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	5.41	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	6.21	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	5.20	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	6.01	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	5.18	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	5.37	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	5.26	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	5.46	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	5.06	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	5.37	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	5.71	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	5.84	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	5.60	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	5.21	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	5.55	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	5.55	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	5.71	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	5.19	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	5.62	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	5.73	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	5.76	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	5.70	13	PASS
Band41	20MHz	QPSK	39750	1RB#0	4.62	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	5.08	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	5.15	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	5.36	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	4.60	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	5.24	13	PASS

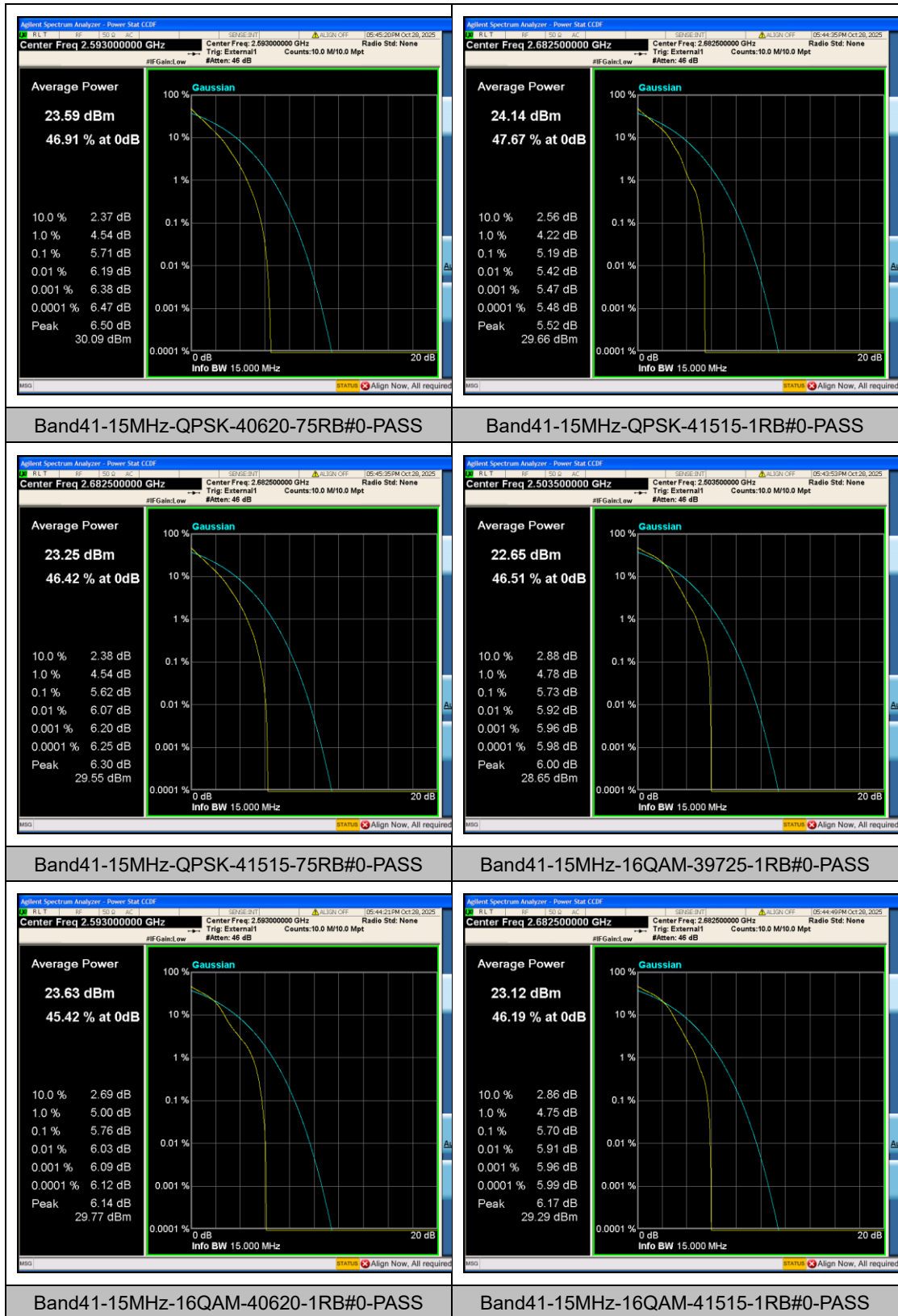
Test Graphs

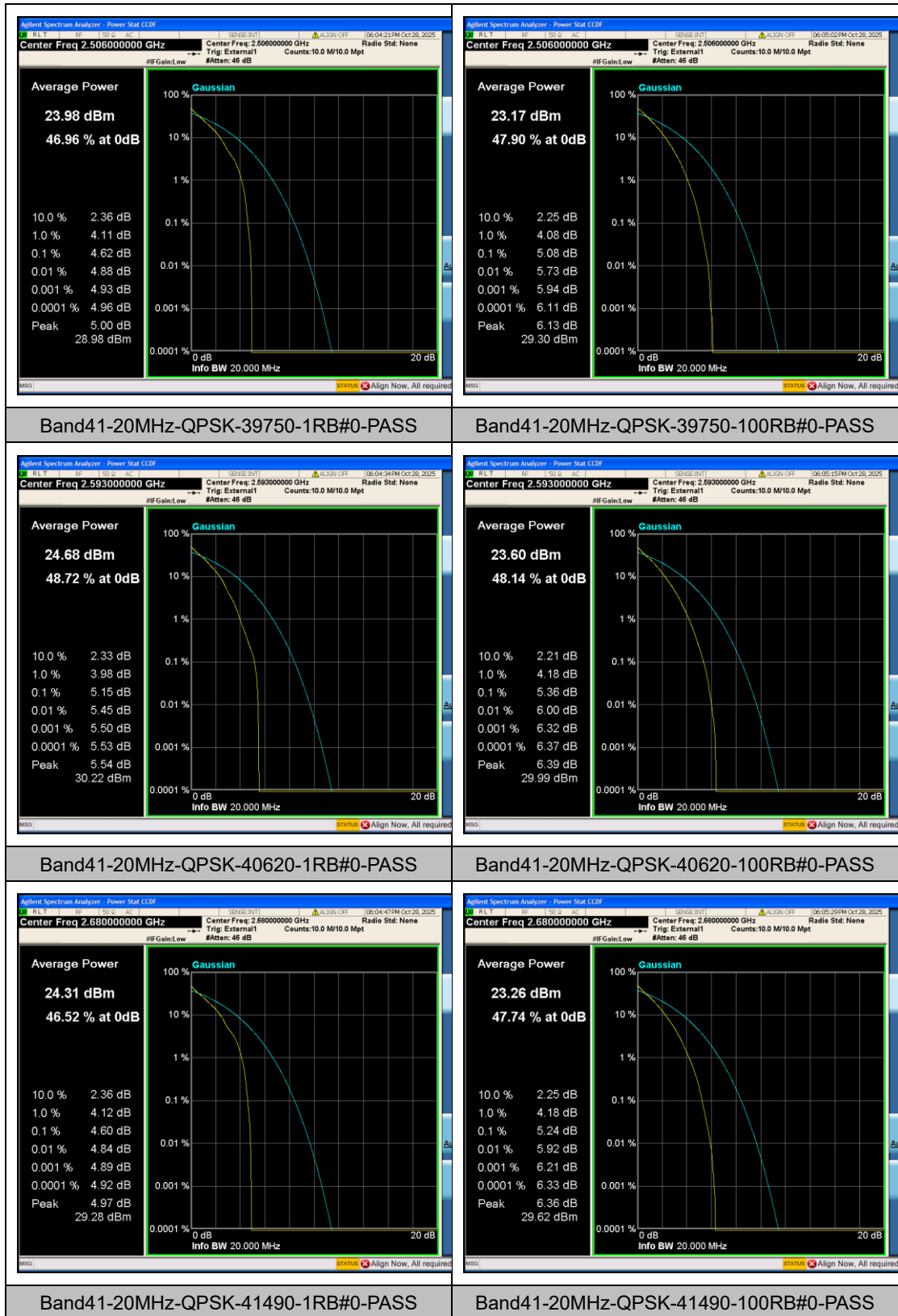










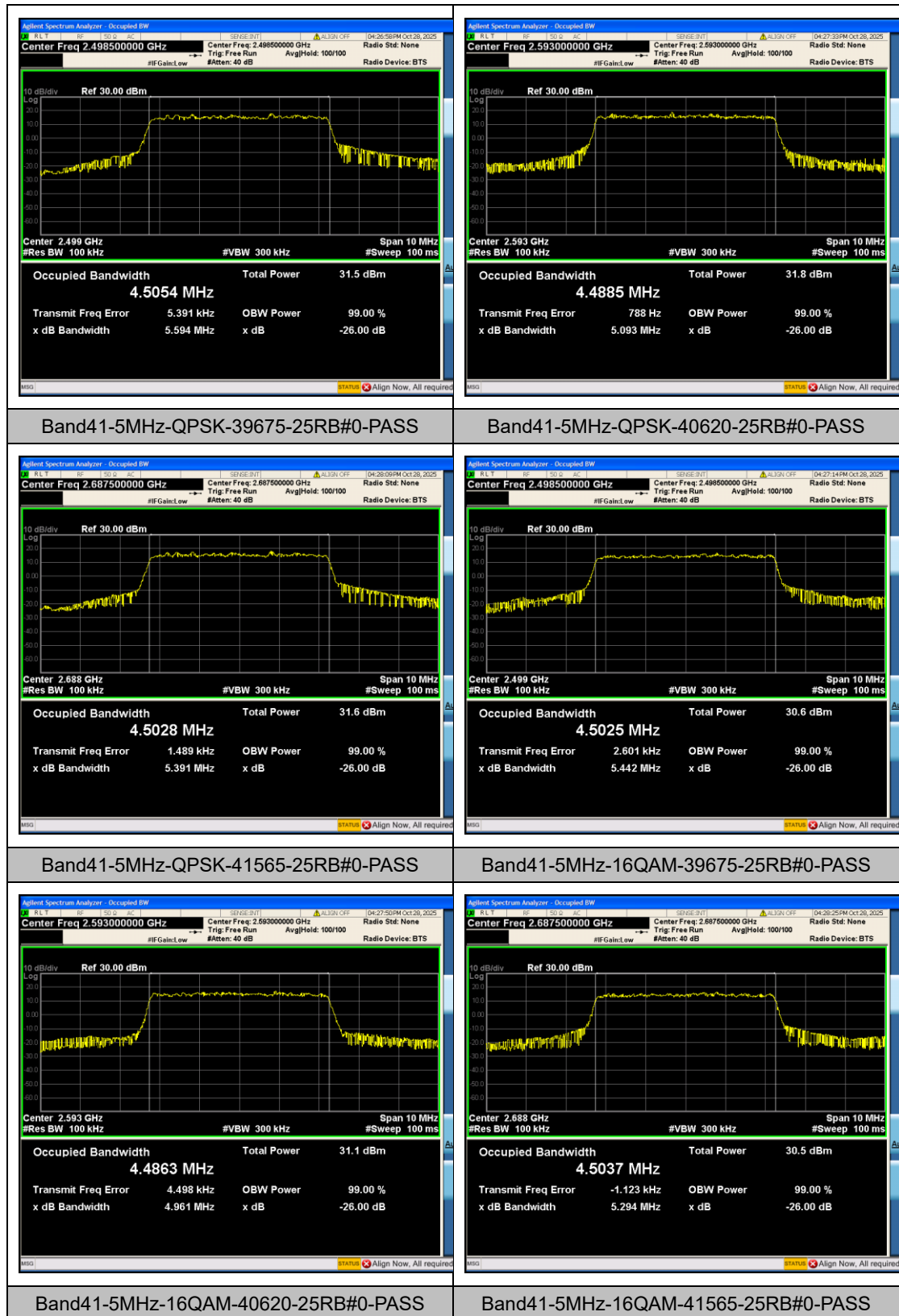


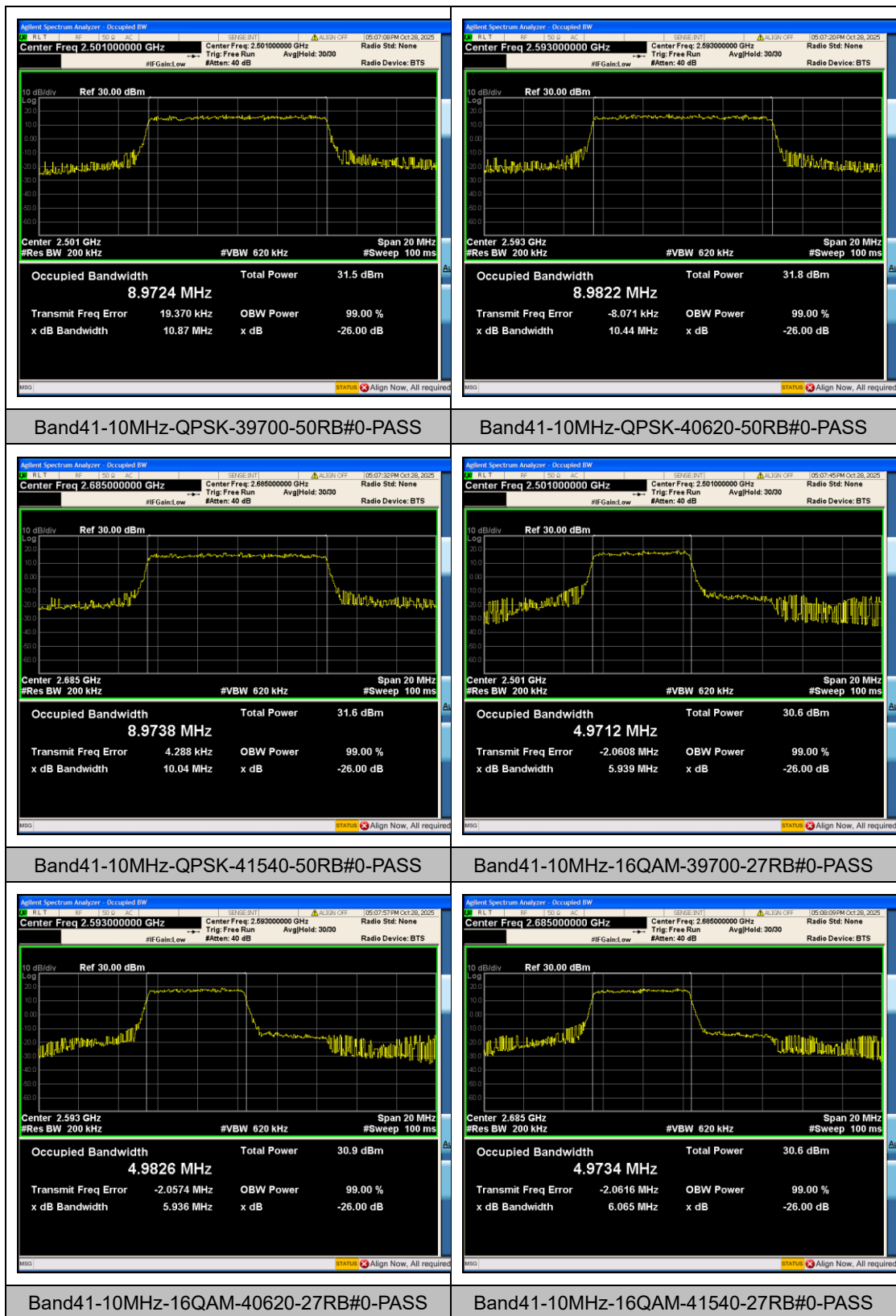
Appendix C: 26dB Bandwidth and Occupied Bandwidth

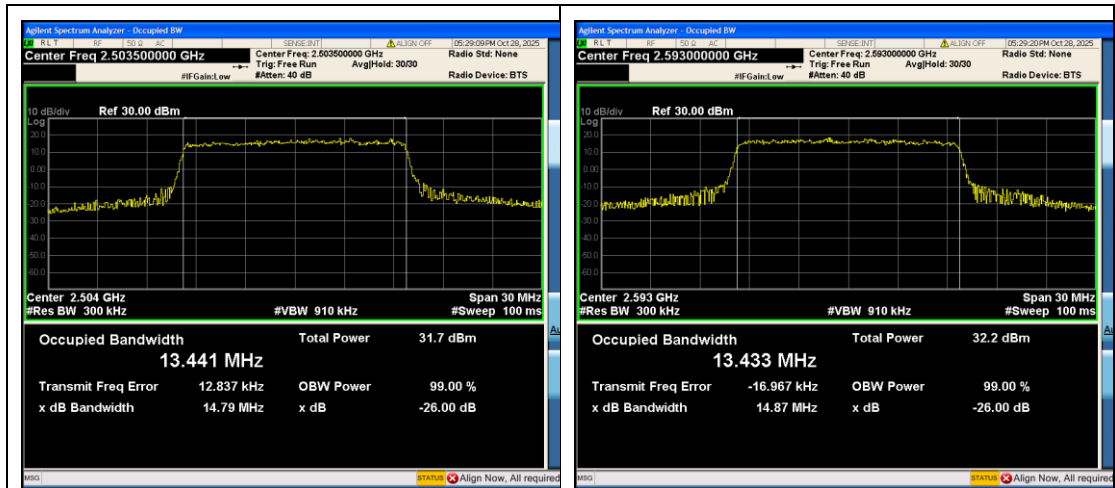
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.5054	5.594	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.4885	5.093	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.5028	5.391	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.5025	5.442	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.4863	4.961	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.5037	5.294	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9724	10.87	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9822	10.44	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.9738	10.04	PASS
Band41	10MHz	16QAM	39700	27RB#0	4.9712	5.939	PASS
Band41	10MHz	16QAM	40620	27RB#0	4.9826	5.936	PASS
Band41	10MHz	16QAM	41540	27RB#0	4.9734	6.065	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.441	14.79	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.433	14.87	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.451	14.78	PASS
Band41	15MHz	16QAM	39725	27RB#0	5.1041	6.081	PASS
Band41	15MHz	16QAM	40620	27RB#0	5.1092	6.718	PASS
Band41	15MHz	16QAM	41515	27RB#0	5.1062	6.226	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.943	19.90	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.932	20.30	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.909	19.78	PASS
Band41	20MHz	16QAM	39750	27RB#0	5.2786	6.929	PASS
Band41	20MHz	16QAM	40620	27RB#0	5.2928	7.628	PASS
Band41	20MHz	16QAM	41490	27RB#0	5.2914	6.816	PASS

Test Graphs







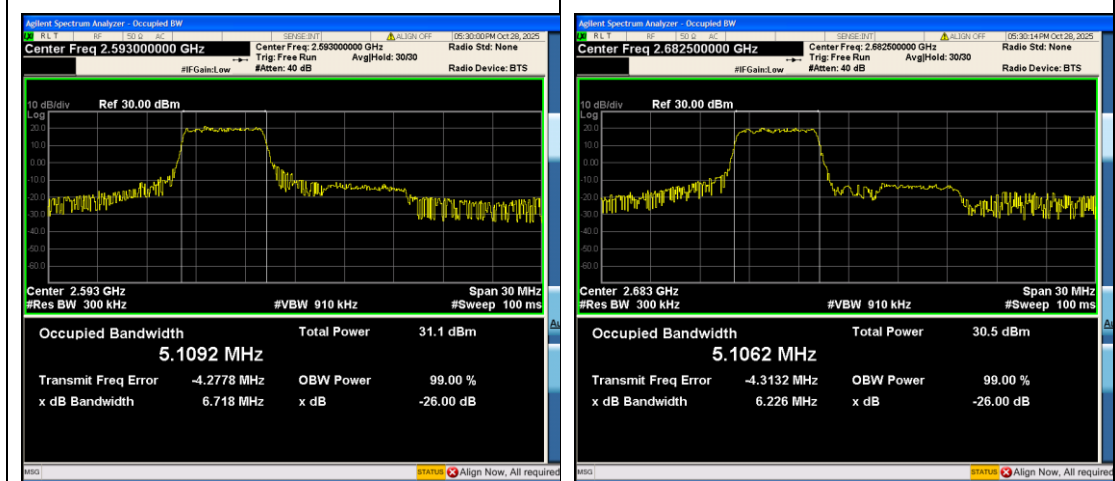
Band41-15MHz-QPSK-39725-75RB#0-PASS

Band41-15MHz-QPSK-40620-75RB#0-PASS



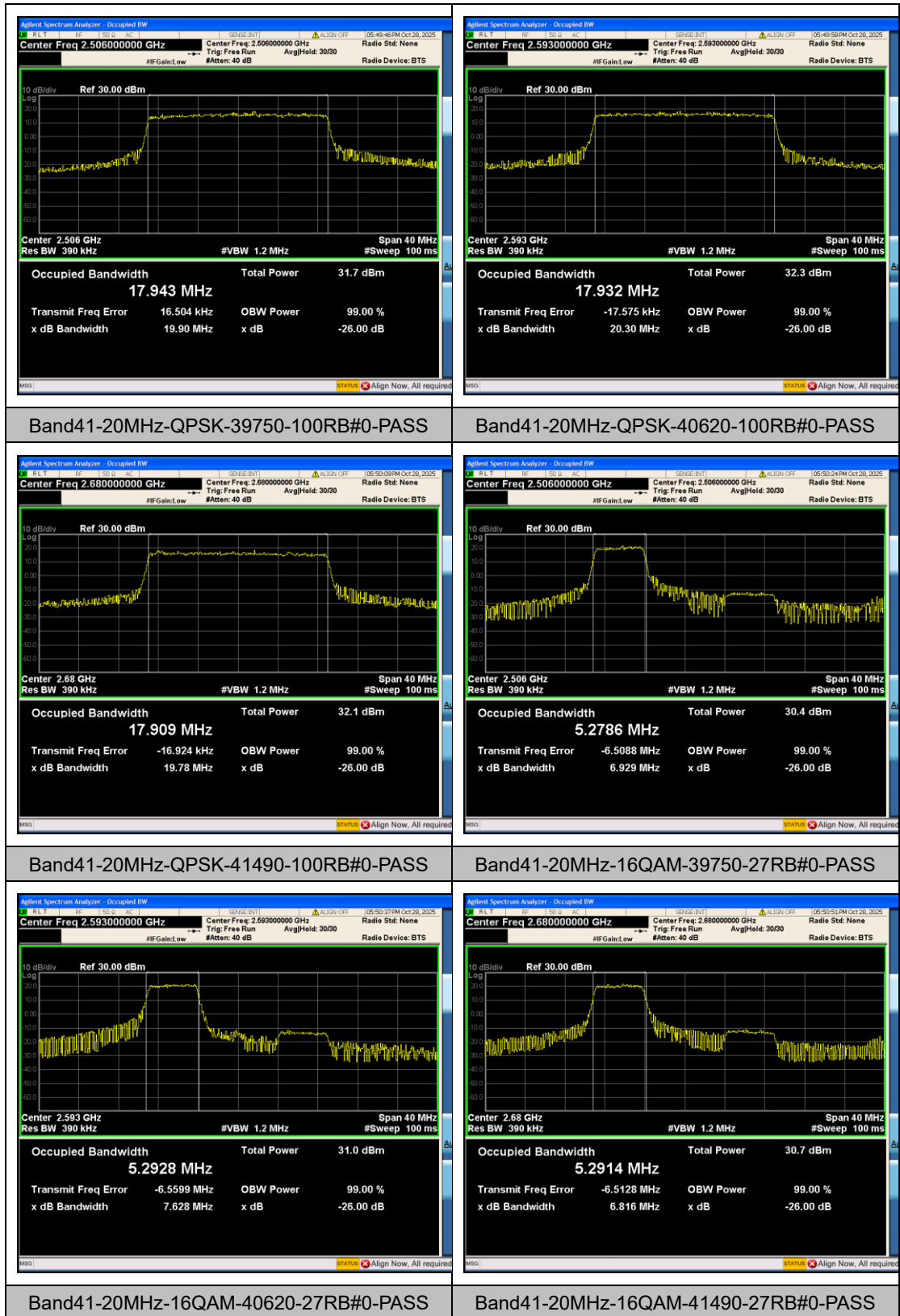
Band41-15MHz-QPSK-41515-75RB#0-PASS

Band41-15MHz-16QAM-39725-27RB#0-PASS



Band41-15MHz-16QAM-40620-27RB#0-PASS

Band41-15MHz-16QAM-41515-27RB#0-PASS



Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	-26.82	PASS
Band41	5MHz	QPSK	39675	1RB#24	-42.64	PASS
Band41	5MHz	QPSK	39675	25RB#0	-24.16	PASS
Band41	5MHz	QPSK	41565	1RB#0	-41.92	PASS
Band41	5MHz	QPSK	41565	1RB#24	-23.48	PASS
Band41	5MHz	QPSK	41565	25RB#0	-33.17	PASS
Band41	5MHz	16QAM	39675	1RB#0	-26.62	PASS
Band41	5MHz	16QAM	39675	1RB#24	-42.67	PASS
Band41	5MHz	16QAM	39675	25RB#0	-25.82	PASS
Band41	5MHz	16QAM	41565	1RB#0	-41.99	PASS
Band41	5MHz	16QAM	41565	1RB#24	-25.04	PASS
Band41	5MHz	16QAM	41565	25RB#0	-34.83	PASS
Band41	10MHz	QPSK	39700	1RB#0	-30.63	PASS
Band41	10MHz	QPSK	39700	1RB#49	-36.91	PASS
Band41	10MHz	QPSK	39700	50RB#0	-30.65	PASS
Band41	10MHz	QPSK	41540	1RB#0	-42.07	PASS
Band41	10MHz	QPSK	41540	1RB#49	-42.11	PASS
Band41	10MHz	QPSK	41540	50RB#0	-36.23	PASS
Band41	10MHz	16QAM	39700	1RB#0	-32.77	PASS
Band41	10MHz	16QAM	39700	1RB#49	-38.05	PASS
Band41	10MHz	16QAM	41540	1RB#0	-42.21	PASS
Band41	10MHz	16QAM	41540	1RB#49	-42.12	PASS
Band41	15MHz	QPSK	39725	1RB#0	-34.43	PASS
Band41	15MHz	QPSK	39725	1RB#74	-42.01	PASS
Band41	15MHz	QPSK	39725	75RB#0	-29.00	PASS
Band41	15MHz	QPSK	41515	1RB#0	-42.36	PASS
Band41	15MHz	QPSK	41515	1RB#74	-42.21	PASS
Band41	15MHz	QPSK	41515	75RB#0	-37.30	PASS
Band41	15MHz	16QAM	39725	1RB#0	-35.60	PASS
Band41	15MHz	16QAM	39725	1RB#74	-41.95	PASS
Band41	15MHz	16QAM	41515	1RB#0	-42.39	PASS
Band41	15MHz	16QAM	41515	1RB#74	-42.44	PASS
Band41	20MHz	QPSK	39750	1RB#0	-35.41	PASS
Band41	20MHz	QPSK	39750	1RB#99	-42.32	PASS
Band41	20MHz	QPSK	39750	100RB#0	-30.93	PASS
Band41	20MHz	QPSK	41490	1RB#0	-42.48	PASS
Band41	20MHz	QPSK	41490	1RB#99	-42.54	PASS

Band41	20MHz	QPSK	41490	100RB#0	-39.16	PASS
Band41	20MHz	16QAM	39750	1RB#0	-35.80	PASS
Band41	20MHz	16QAM	39750	1RB#99	-41.87	PASS
Band41	20MHz	16QAM	41490	1RB#0	-42.47	PASS
Band41	20MHz	16QAM	41490	1RB#99	-42.49	PASS

Test Graphs

