

FCC LTE Band Test Data

FCC ID : 2BF4O-CC4PRO

Company: : Shenzhen TEYES High tech Co., Ltd.

EUT : Car Headunit

Model Number : CC4PRO

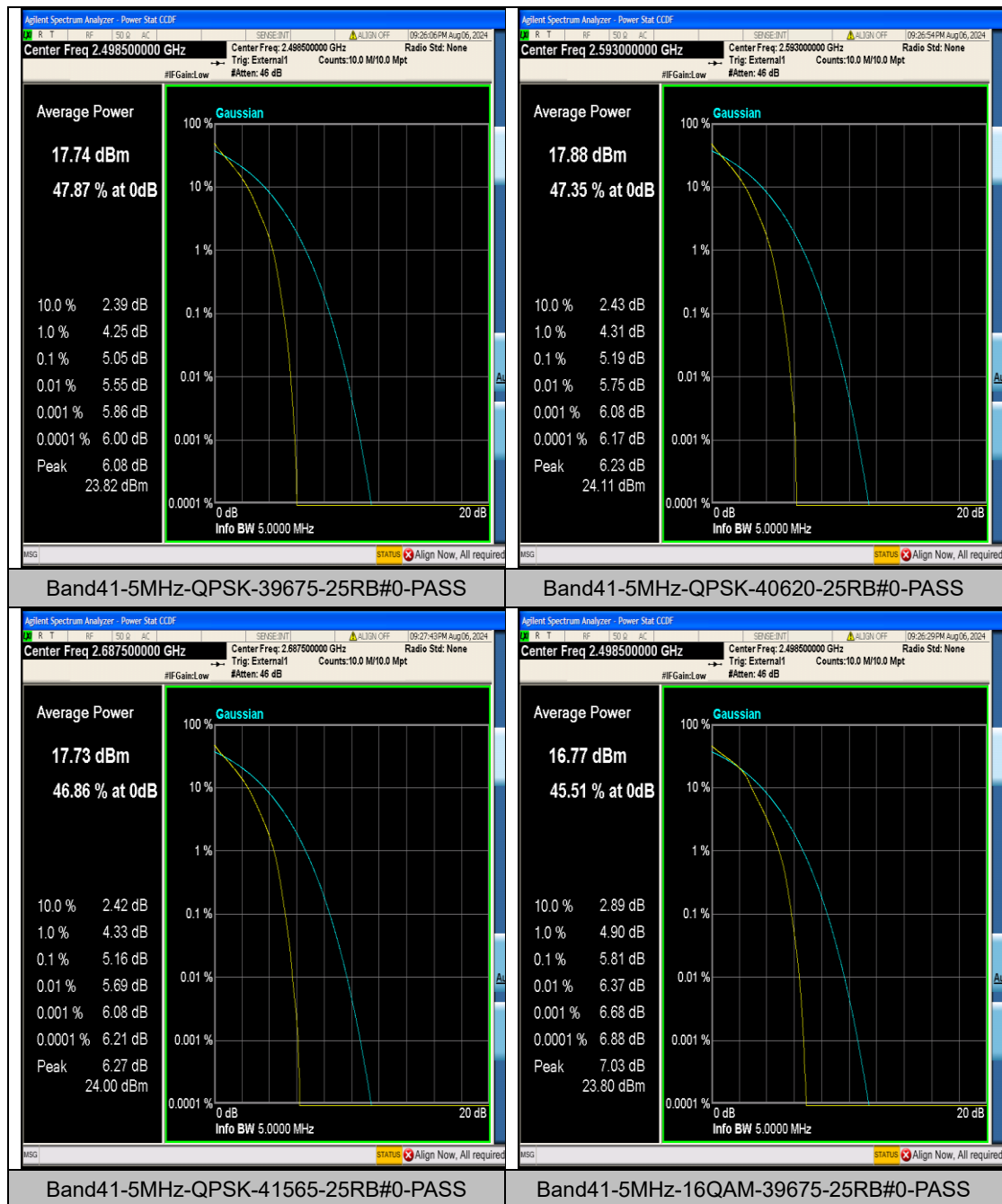
Reviewed By : Eric Wang

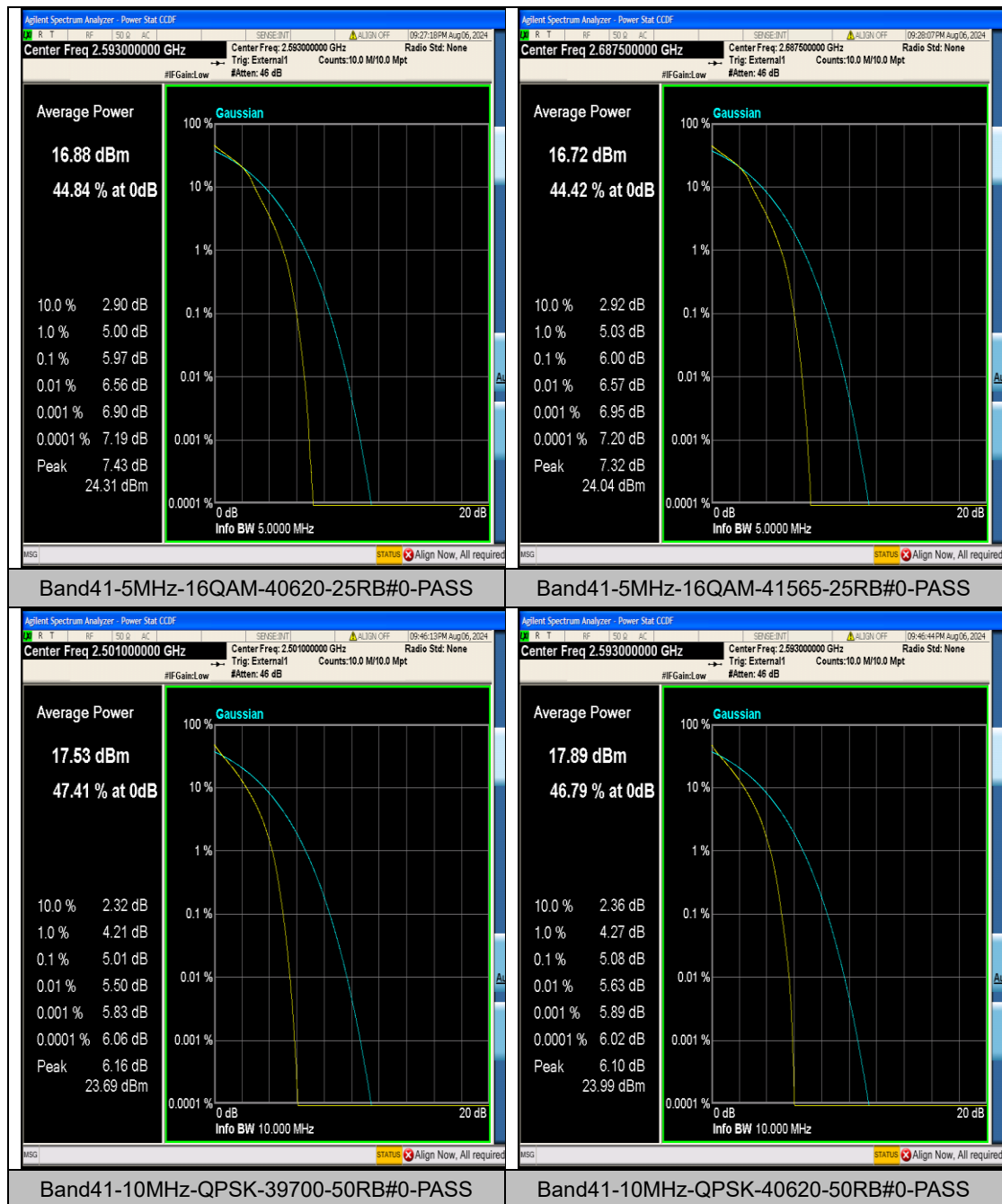
Appendix B: Peak-to-Average Ratio(CCDF)

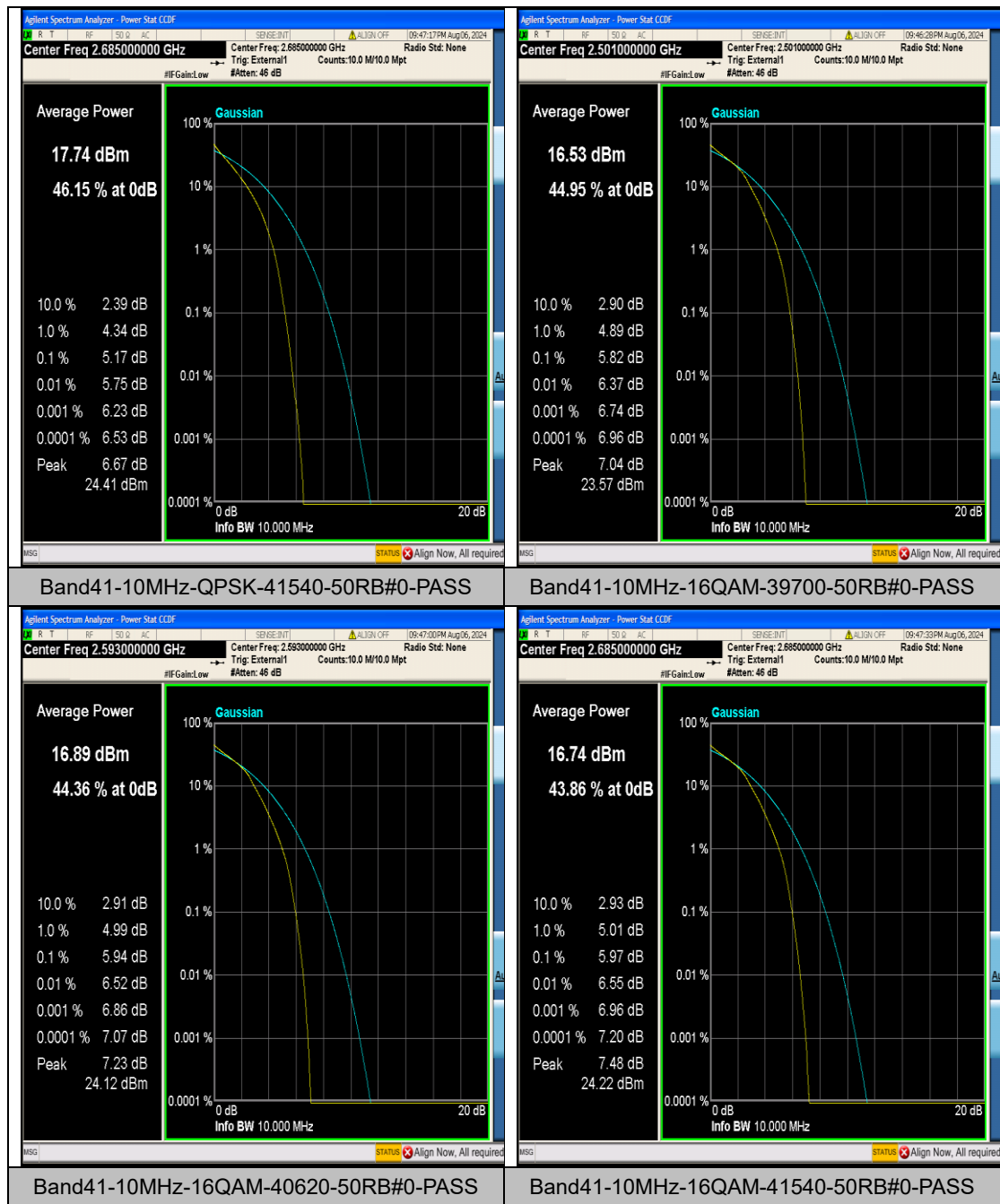
Test Result

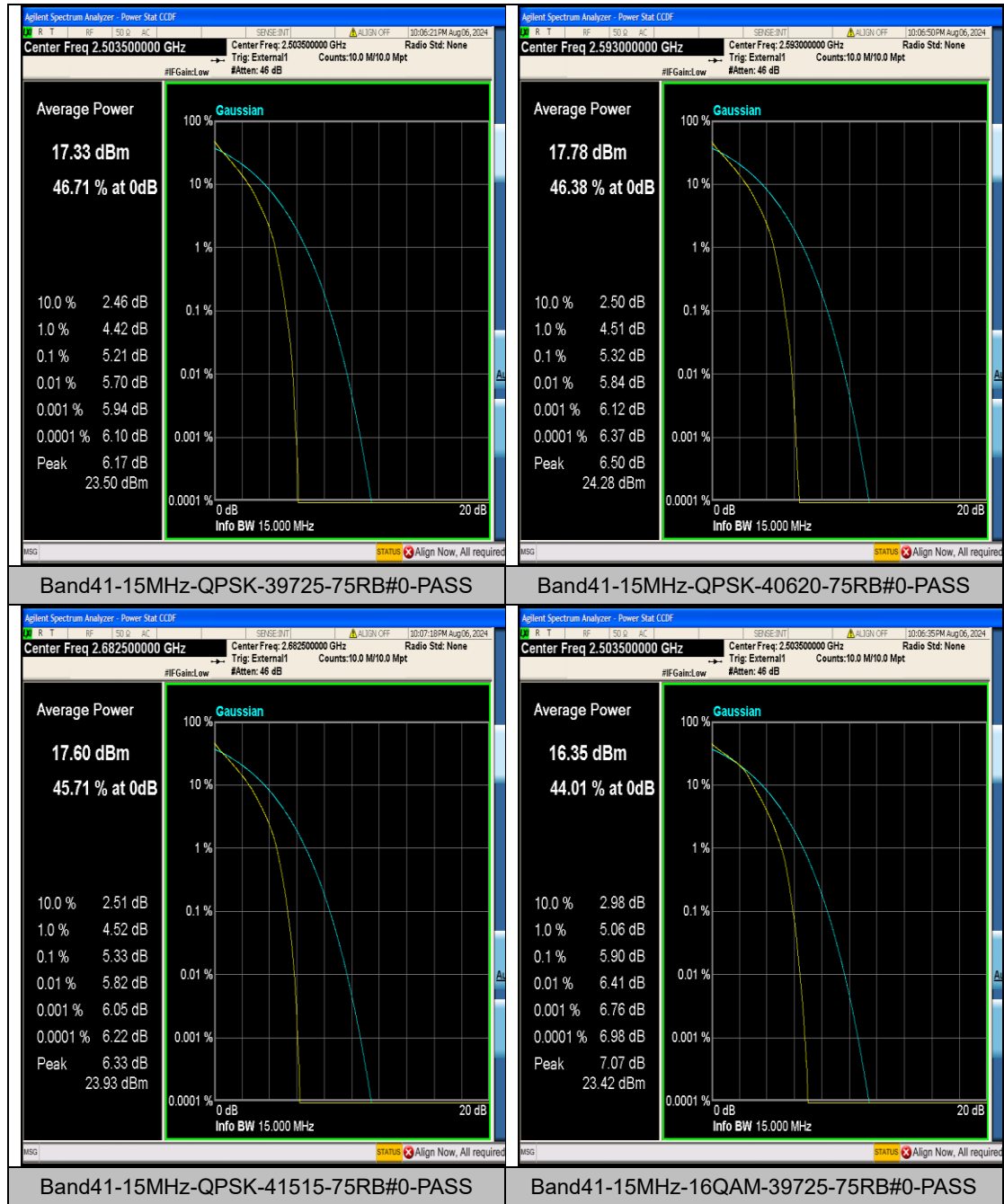
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	5.05	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	5.19	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	5.16	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	5.81	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	5.97	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	6.00	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	5.01	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	5.08	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	5.17	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	5.82	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	5.94	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	5.97	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	5.21	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	5.32	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	5.33	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	5.90	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	6.02	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	6.06	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	4.99	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	5.12	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	5.14	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	5.80	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	5.93	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	5.95	13	PASS

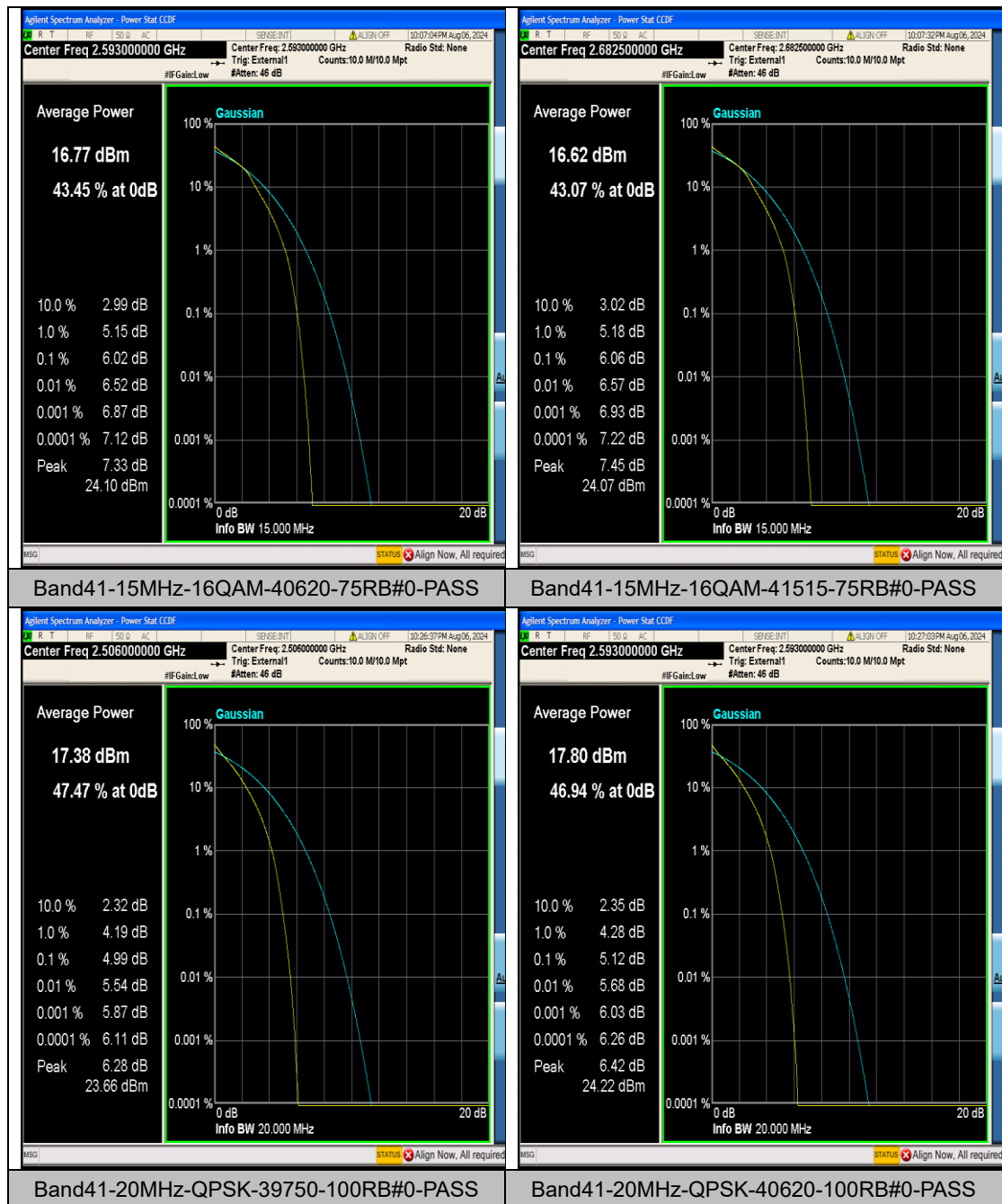
Test Graphs

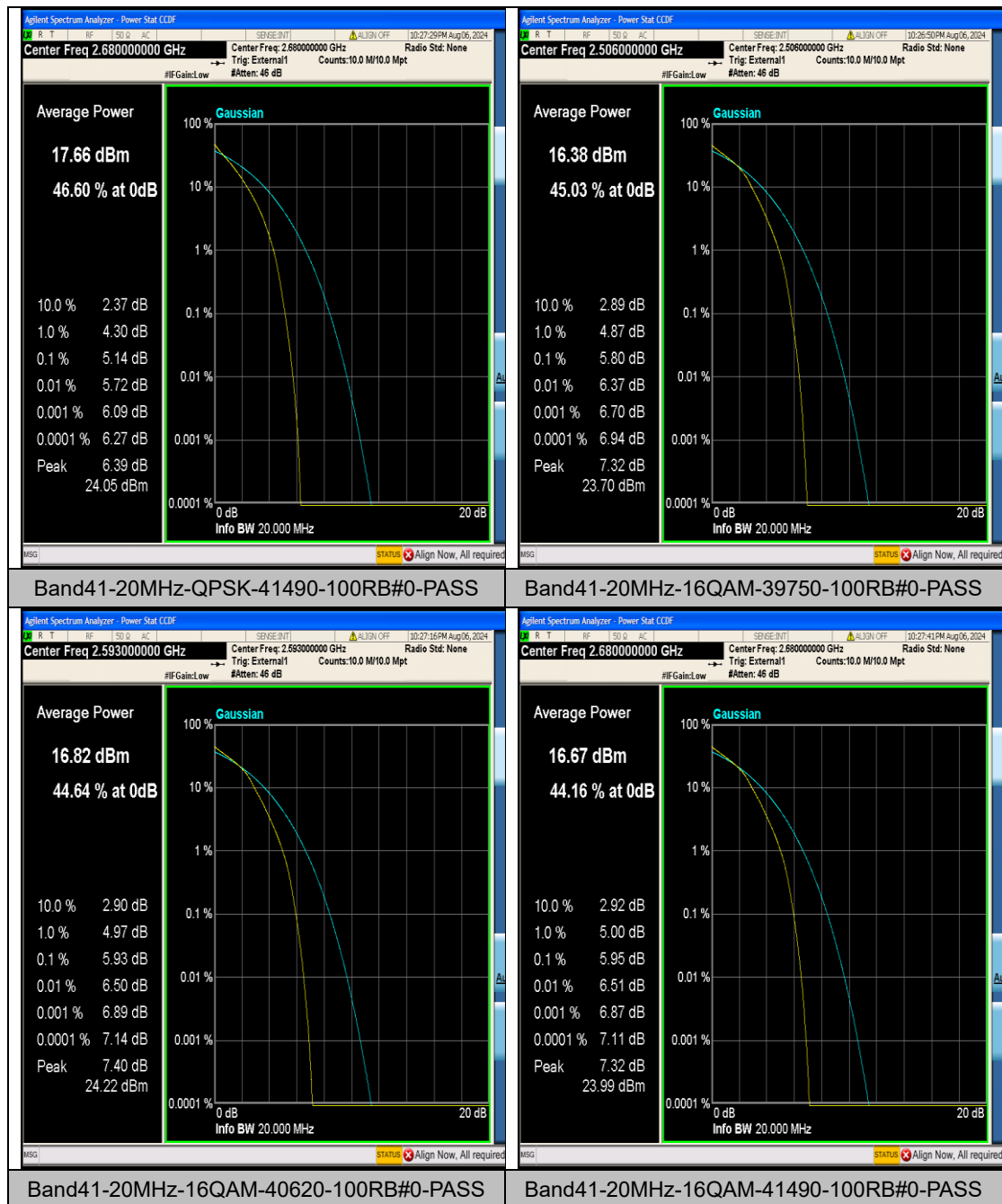










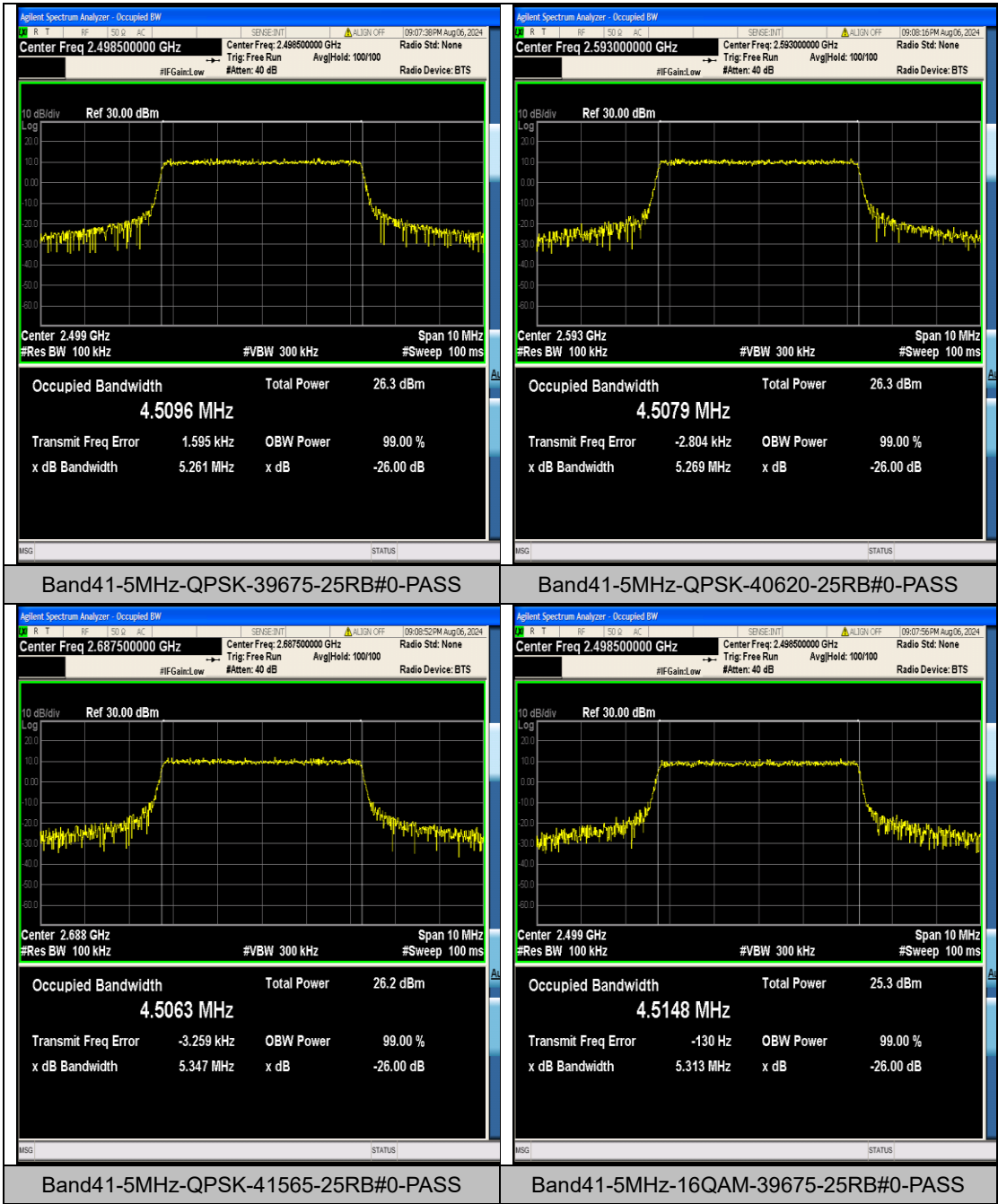


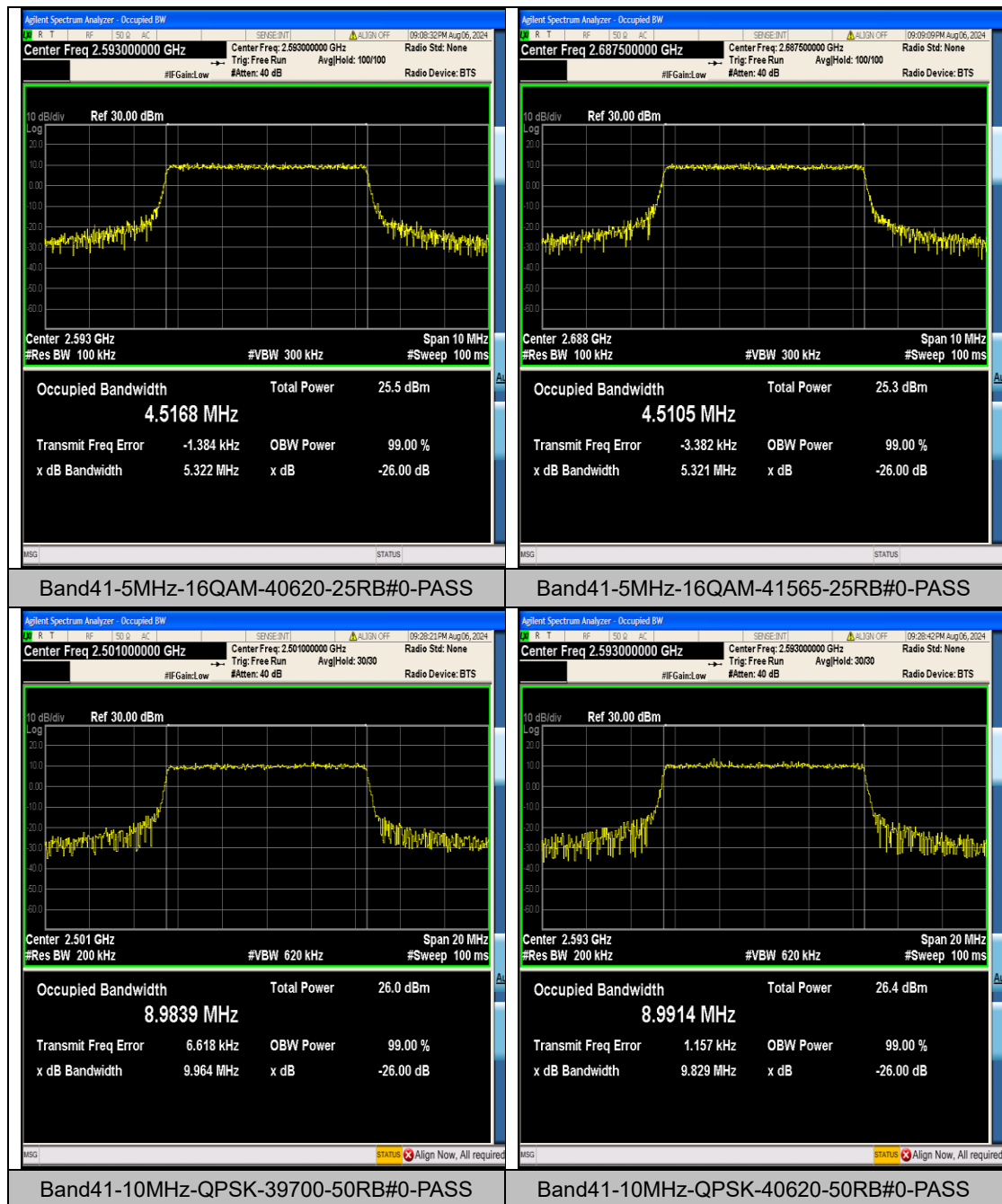
Appendix C: 26dB Bandwidth and Occupied Bandwidth

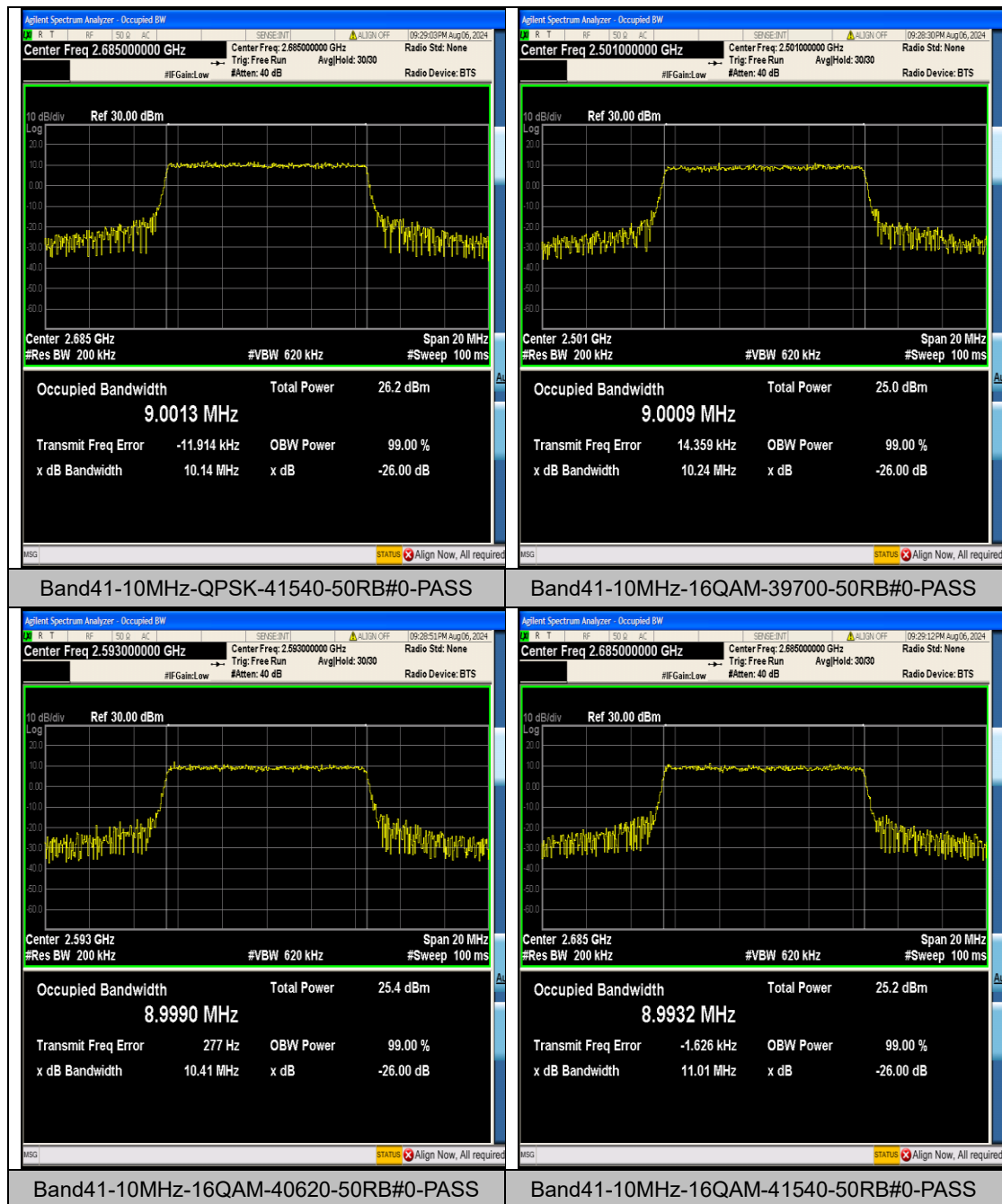
Test Result

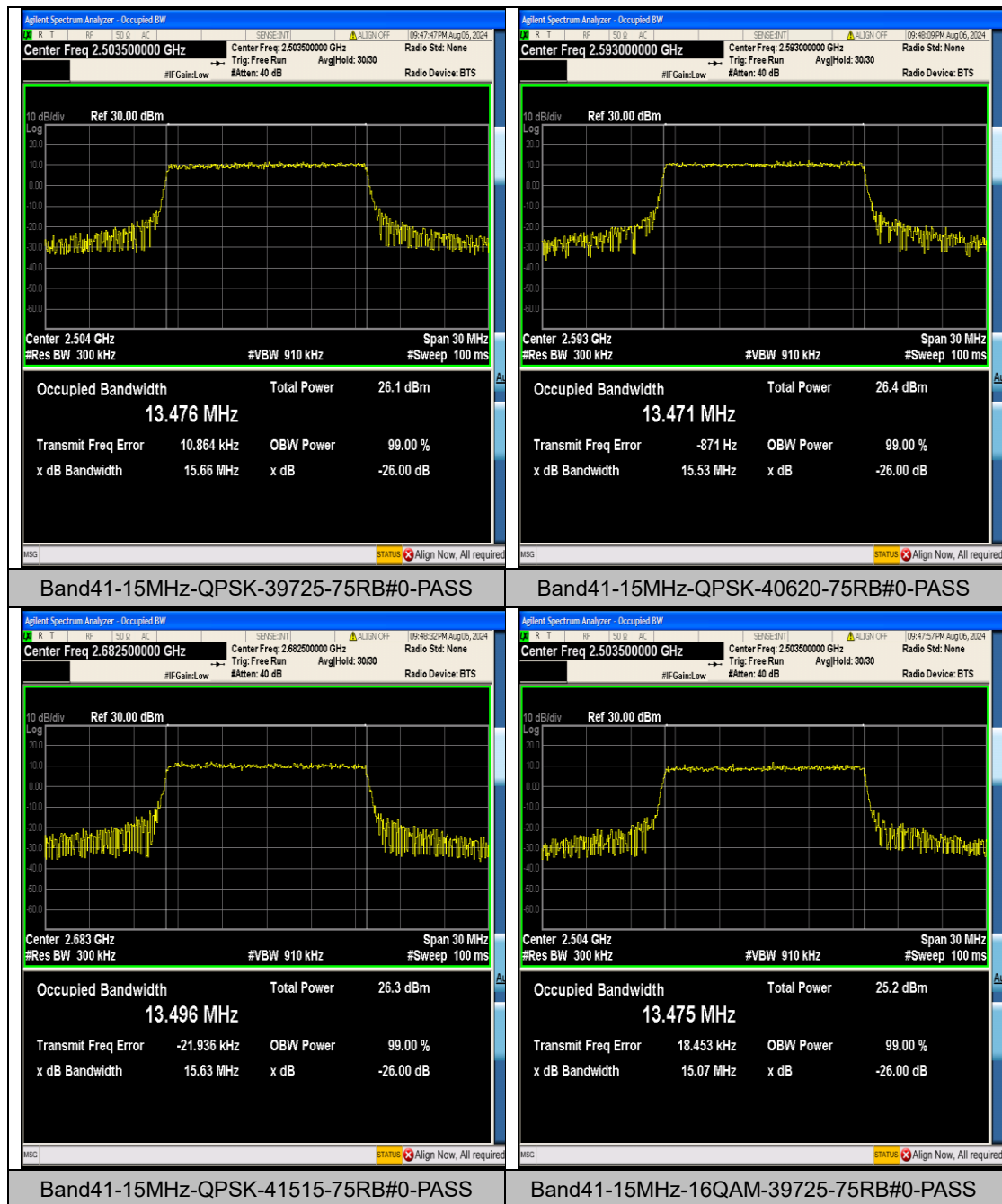
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.5096	5.261	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.5079	5.269	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.5063	5.347	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.5148	5.313	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.5168	5.322	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.5105	5.321	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9839	9.964	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9914	9.829	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.0013	10.14	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.0009	10.24	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.9990	10.41	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.9932	11.01	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.476	15.66	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.471	15.53	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.496	15.63	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.475	15.07	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.475	15.85	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.498	16.11	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.971	21.09	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.954	20.84	PASS
Band41	20MHz	QPSK	41490	100RB#0	18.010	20.34	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.999	21.47	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.990	20.57	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.970	21.20	PASS

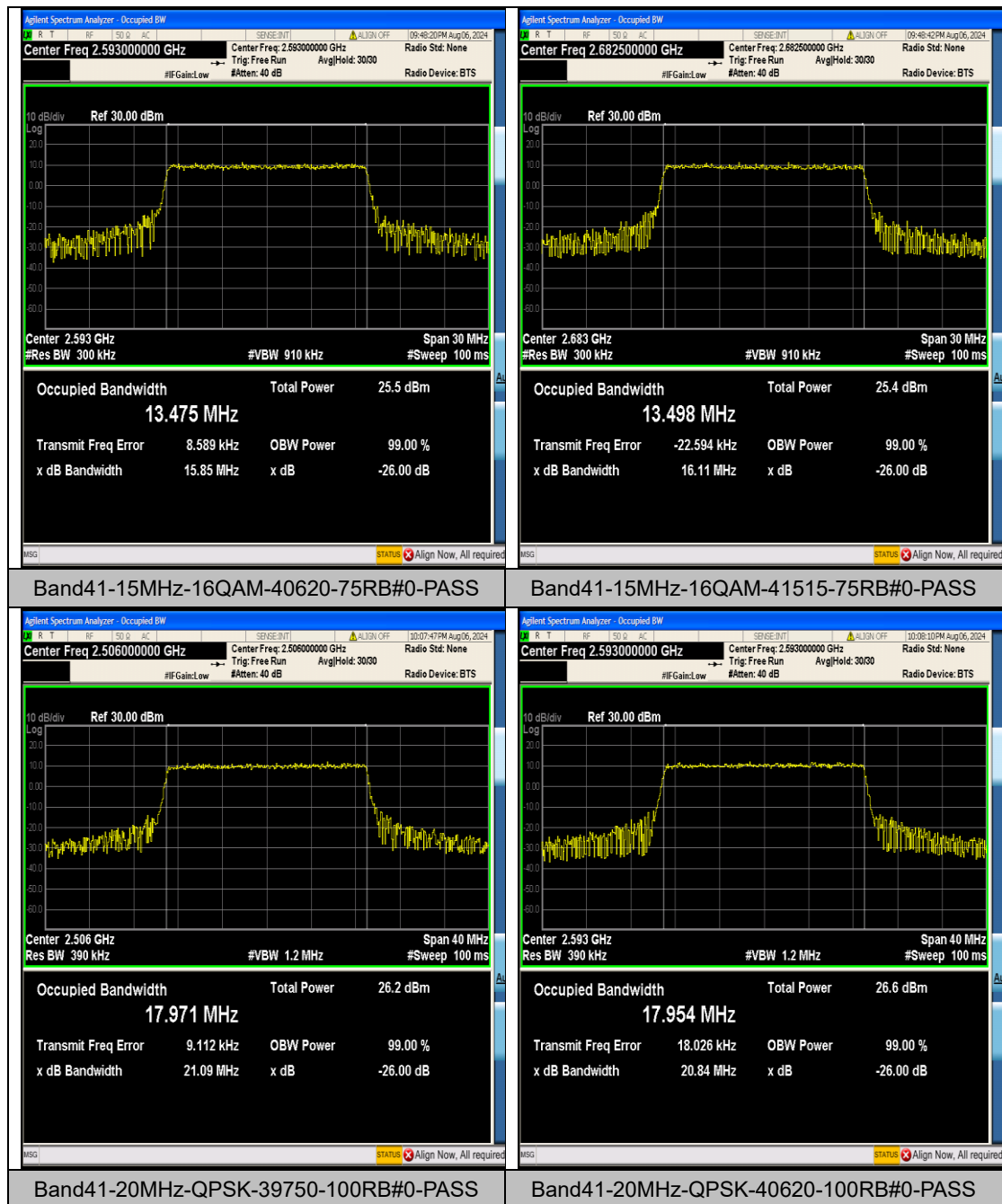
Test Graphs

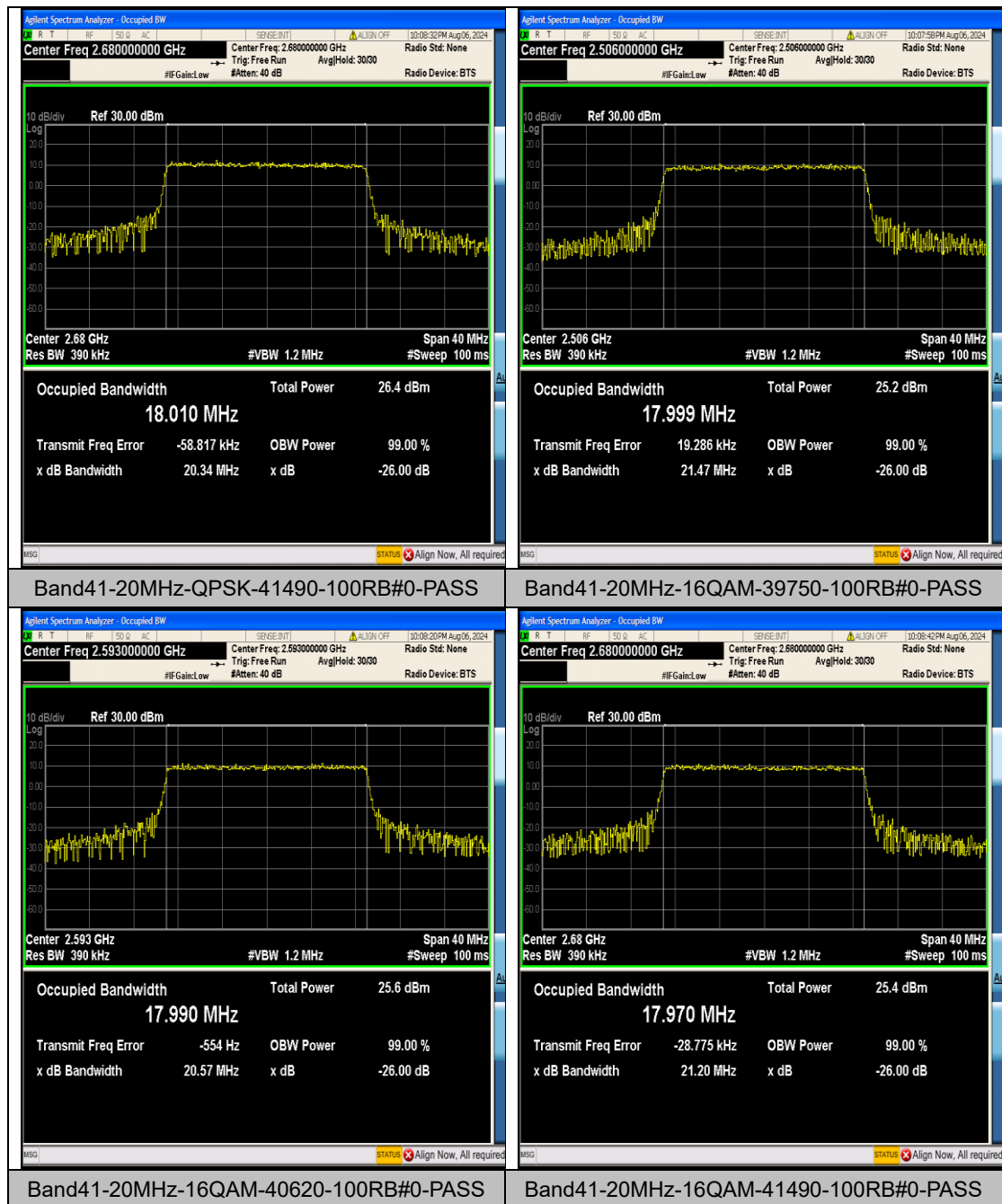










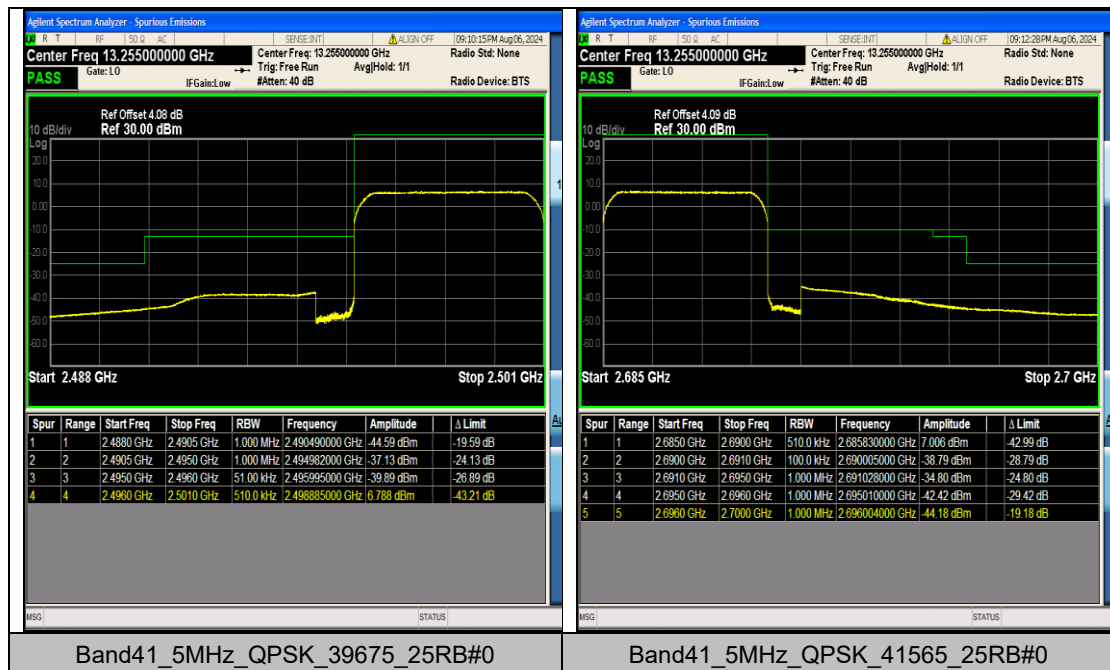


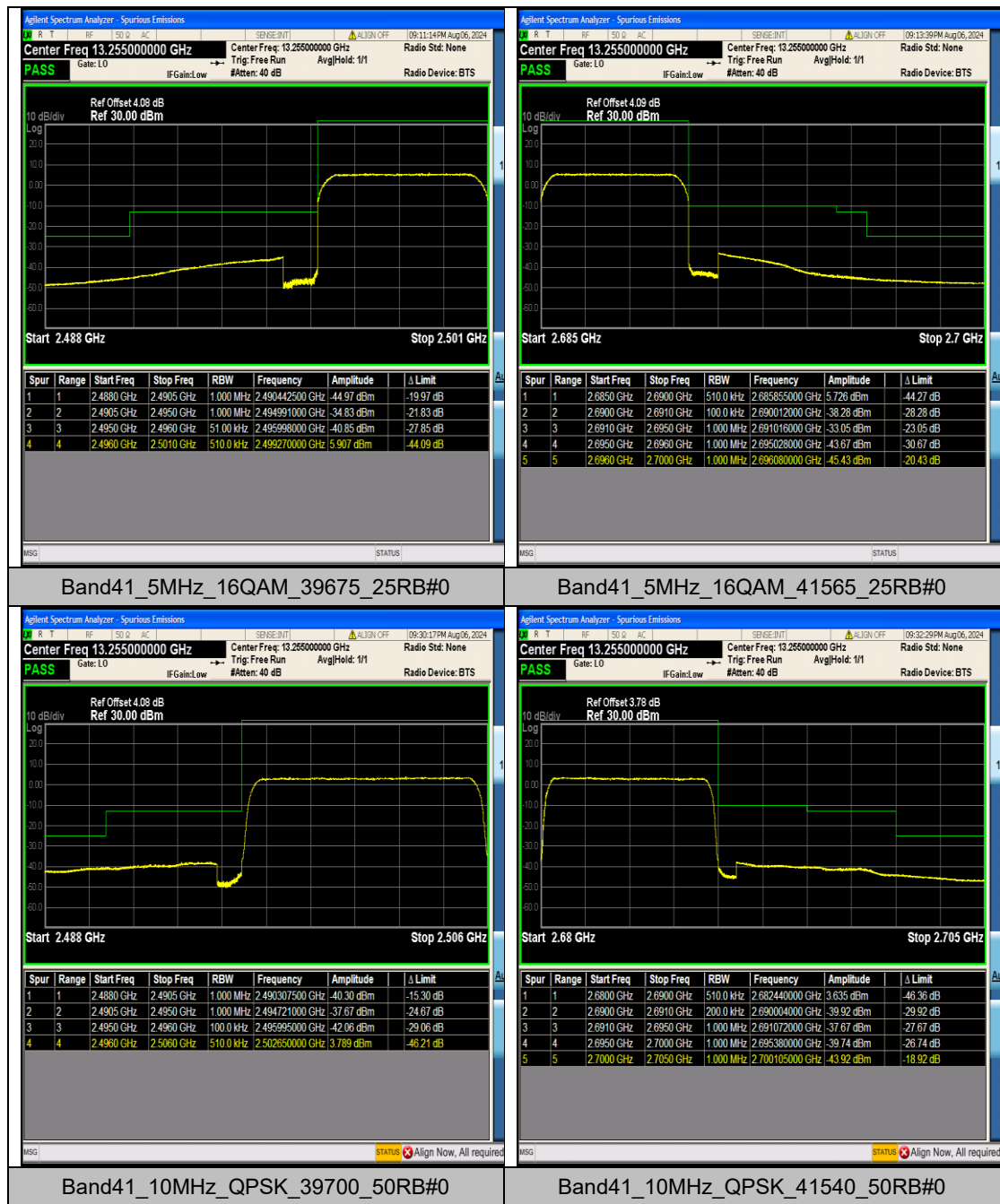
Appendix D: Band Edge

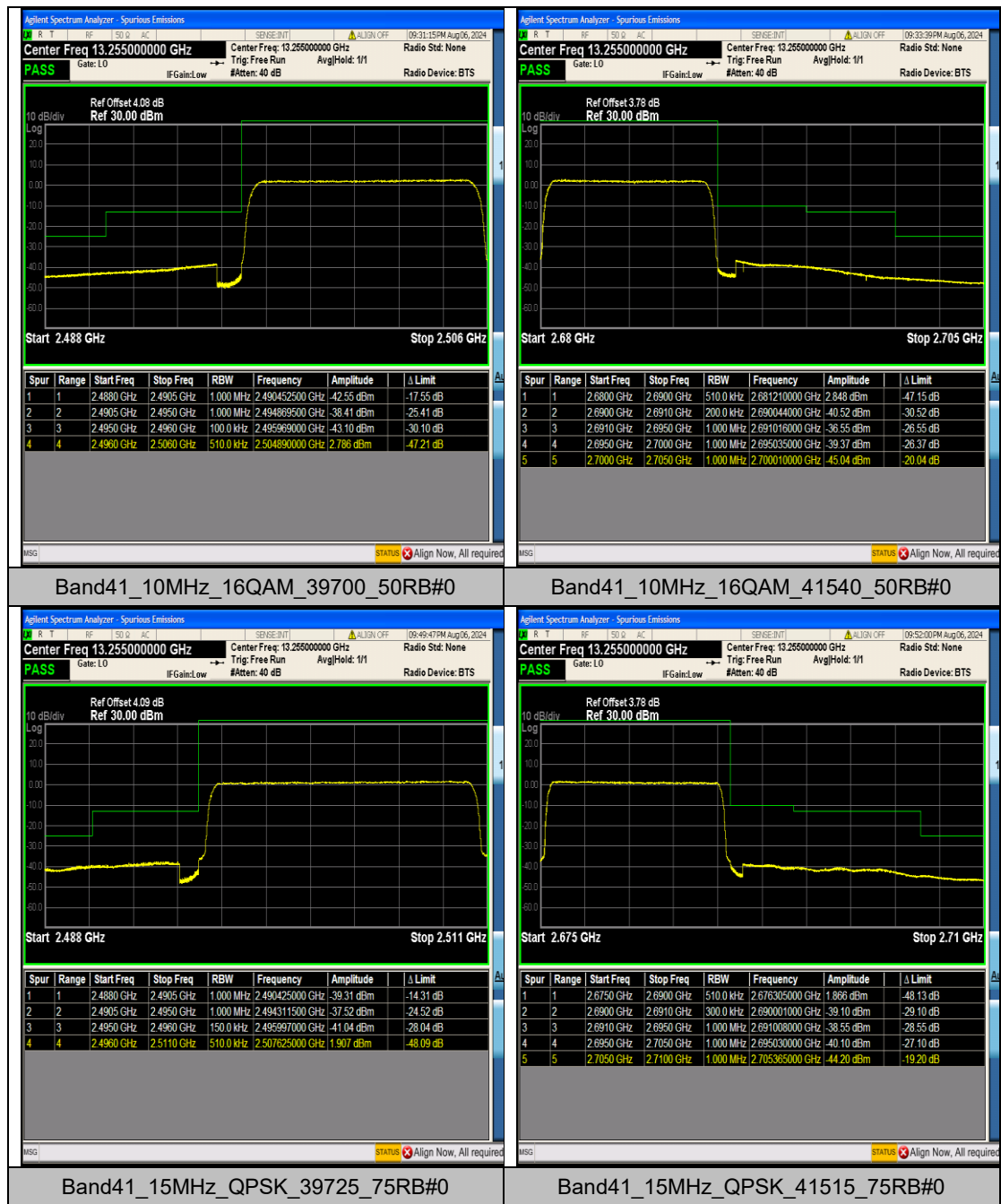
Test Result

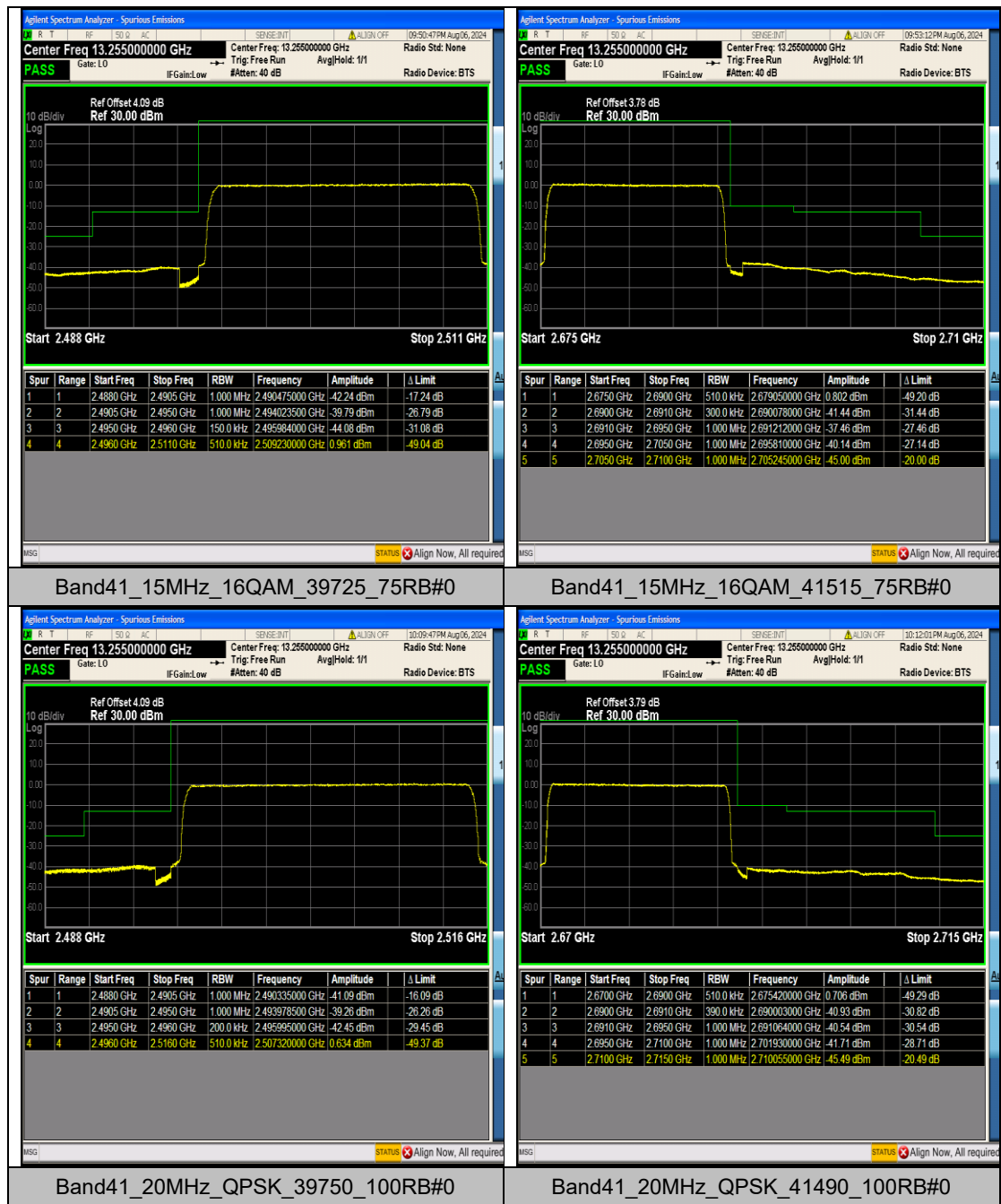
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	-44.59	PASS
Band41	5MHz	QPSK	41565	25RB#0	-44.18	PASS
Band41	5MHz	16QAM	39675	25RB#0	-44.97	PASS
Band41	5MHz	16QAM	41565	25RB#0	-45.43	PASS
Band41	10MHz	QPSK	39700	50RB#0	-40.30	PASS
Band41	10MHz	QPSK	41540	50RB#0	-43.92	PASS
Band41	10MHz	16QAM	39700	50RB#0	-42.55	PASS
Band41	10MHz	16QAM	41540	50RB#0	-45.04	PASS
Band41	15MHz	QPSK	39725	75RB#0	-39.31	PASS
Band41	15MHz	QPSK	41515	75RB#0	-44.20	PASS
Band41	15MHz	16QAM	39725	75RB#0	-42.24	PASS
Band41	15MHz	16QAM	41515	75RB#0	-45.00	PASS
Band41	20MHz	QPSK	39750	100RB#0	-41.09	PASS
Band41	20MHz	QPSK	41490	100RB#0	-45.49	PASS
Band41	20MHz	16QAM	39750	100RB#0	-43.53	PASS
Band41	20MHz	16QAM	41490	100RB#0	-46.44	PASS

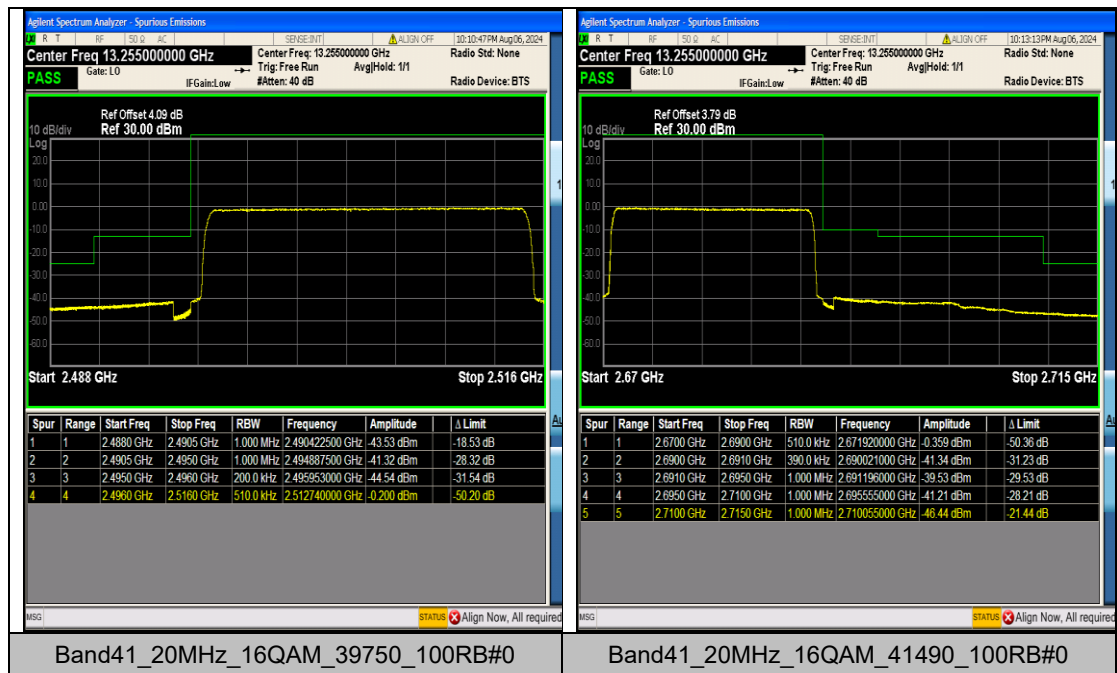
Test Graphs











Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	0.009~0.15	-75.63	PASS
Band41	5MHz	QPSK	39675	25RB#0	0.15~30	-64.68	PASS
Band41	5MHz	QPSK	39675	25RB#0	30~1000	-66.27	PASS
Band41	5MHz	QPSK	39675	25RB#0	1000~20000	-46.07	PASS
Band41	5MHz	QPSK	39675	25RB#0	20000~27000	-39.66	PASS
Band41	5MHz	QPSK	40620	25RB#0	0.009~0.15	-73.87	PASS
Band41	5MHz	QPSK	40620	25RB#0	0.15~30	-68.06	PASS
Band41	5MHz	QPSK	40620	25RB#0	30~1000	-66.56	PASS
Band41	5MHz	QPSK	40620	25RB#0	1000~20000	-46.04	PASS
Band41	5MHz	QPSK	40620	25RB#0	20000~27000	-39.77	PASS
Band41	5MHz	QPSK	41565	25RB#0	0.009~0.15	-71.42	PASS
Band41	5MHz	QPSK	41565	25RB#0	0.15~30	-66.16	PASS
Band41	5MHz	QPSK	41565	25RB#0	30~1000	-66.67	PASS
Band41	5MHz	QPSK	41565	25RB#0	1000~20000	-46.10	PASS
Band41	5MHz	QPSK	41565	25RB#0	20000~27000	-39.48	PASS
Band41	5MHz	16QAM	39675	25RB#0	0.009~0.15	-74.09	PASS
Band41	5MHz	16QAM	39675	25RB#0	0.15~30	-66.72	PASS
Band41	5MHz	16QAM	39675	25RB#0	30~1000	-66.41	PASS
Band41	5MHz	16QAM	39675	25RB#0	1000~20000	-46.19	PASS
Band41	5MHz	16QAM	39675	25RB#0	20000~27000	-39.71	PASS
Band41	5MHz	16QAM	40620	25RB#0	0.009~0.15	-75.65	PASS
Band41	5MHz	16QAM	40620	25RB#0	0.15~30	-64.78	PASS
Band41	5MHz	16QAM	40620	25RB#0	30~1000	-66.80	PASS
Band41	5MHz	16QAM	40620	25RB#0	1000~20000	-46.05	PASS
Band41	5MHz	16QAM	40620	25RB#0	20000~27000	-39.60	PASS
Band41	5MHz	16QAM	41565	25RB#0	0.009~0.15	-73.55	PASS
Band41	5MHz	16QAM	41565	25RB#0	0.15~30	-66.08	PASS
Band41	5MHz	16QAM	41565	25RB#0	30~1000	-66.64	PASS
Band41	5MHz	16QAM	41565	25RB#0	1000~20000	-46.02	PASS
Band41	5MHz	16QAM	41565	25RB#0	20000~27000	-39.48	PASS
Band41	10MHz	QPSK	39700	50RB#0	0.009~0.15	-73.64	PASS
Band41	10MHz	QPSK	39700	50RB#0	0.15~30	-67.25	PASS
Band41	10MHz	QPSK	39700	50RB#0	30~1000	-66.65	PASS
Band41	10MHz	QPSK	39700	50RB#0	1000~20000	-46.16	PASS
Band41	10MHz	QPSK	39700	50RB#0	20000~27000	-39.64	PASS
Band41	10MHz	QPSK	40620	50RB#0	0.009~0.15	-74.89	PASS

Band41	10MHz	QPSK	40620	50RB#0	0.15~30	-66.89	PASS
Band41	10MHz	QPSK	40620	50RB#0	30~1000	-66.57	PASS
Band41	10MHz	QPSK	40620	50RB#0	1000~20000	-46.32	PASS
Band41	10MHz	QPSK	40620	50RB#0	20000~27000	-39.63	PASS
Band41	10MHz	QPSK	41540	50RB#0	0.009~0.15	-74.85	PASS
Band41	10MHz	QPSK	41540	50RB#0	0.15~30	-67.50	PASS
Band41	10MHz	QPSK	41540	50RB#0	30~1000	-66.36	PASS
Band41	10MHz	QPSK	41540	50RB#0	1000~20000	-46.11	PASS
Band41	10MHz	QPSK	41540	50RB#0	20000~27000	-39.51	PASS
Band41	10MHz	16QAM	39700	50RB#0	0.009~0.15	-75.28	PASS
Band41	10MHz	16QAM	39700	50RB#0	0.15~30	-66.84	PASS
Band41	10MHz	16QAM	39700	50RB#0	30~1000	-66.86	PASS
Band41	10MHz	16QAM	39700	50RB#0	1000~20000	-46.36	PASS
Band41	10MHz	16QAM	39700	50RB#0	20000~27000	-39.43	PASS
Band41	10MHz	16QAM	40620	50RB#0	0.009~0.15	-75.30	PASS
Band41	10MHz	16QAM	40620	50RB#0	0.15~30	-65.52	PASS
Band41	10MHz	16QAM	40620	50RB#0	30~1000	-66.67	PASS
Band41	10MHz	16QAM	40620	50RB#0	1000~20000	-46.08	PASS
Band41	10MHz	16QAM	40620	50RB#0	20000~27000	-39.72	PASS
Band41	10MHz	16QAM	41540	50RB#0	0.009~0.15	-72.06	PASS
Band41	10MHz	16QAM	41540	50RB#0	0.15~30	-66.73	PASS
Band41	10MHz	16QAM	41540	50RB#0	30~1000	-66.74	PASS
Band41	10MHz	16QAM	41540	50RB#0	1000~20000	-45.39	PASS
Band41	10MHz	16QAM	41540	50RB#0	20000~27000	-39.45	PASS
Band41	15MHz	QPSK	39725	75RB#0	0.009~0.15	-74.34	PASS
Band41	15MHz	QPSK	39725	75RB#0	0.15~30	-66.58	PASS
Band41	15MHz	QPSK	39725	75RB#0	30~1000	-66.53	PASS
Band41	15MHz	QPSK	39725	75RB#0	1000~20000	-45.56	PASS
Band41	15MHz	QPSK	39725	75RB#0	20000~27000	-39.59	PASS
Band41	15MHz	QPSK	40620	75RB#0	0.009~0.15	-74.44	PASS
Band41	15MHz	QPSK	40620	75RB#0	0.15~30	-66.71	PASS
Band41	15MHz	QPSK	40620	75RB#0	30~1000	-66.68	PASS
Band41	15MHz	QPSK	40620	75RB#0	1000~20000	-45.66	PASS
Band41	15MHz	QPSK	40620	75RB#0	20000~27000	-39.87	PASS
Band41	15MHz	QPSK	41515	75RB#0	0.009~0.15	-74.24	PASS
Band41	15MHz	QPSK	41515	75RB#0	0.15~30	-65.45	PASS
Band41	15MHz	QPSK	41515	75RB#0	30~1000	-66.75	PASS
Band41	15MHz	QPSK	41515	75RB#0	1000~20000	-45.98	PASS
Band41	15MHz	QPSK	41515	75RB#0	20000~27000	-39.83	PASS
Band41	15MHz	16QAM	39725	75RB#0	0.009~0.15	-73.24	PASS
Band41	15MHz	16QAM	39725	75RB#0	0.15~30	-65.59	PASS
Band41	15MHz	16QAM	39725	75RB#0	30~1000	-66.62	PASS
Band41	15MHz	16QAM	39725	75RB#0	1000~20000	-46.13	PASS

Band41	15MHz	16QAM	39725	75RB#0	20000~27000	-39.79	PASS
Band41	15MHz	16QAM	40620	75RB#0	0.009~0.15	-72.59	PASS
Band41	15MHz	16QAM	40620	75RB#0	0.15~30	-64.41	PASS
Band41	15MHz	16QAM	40620	75RB#0	30~1000	-66.82	PASS
Band41	15MHz	16QAM	40620	75RB#0	1000~20000	-46.06	PASS
Band41	15MHz	16QAM	40620	75RB#0	20000~27000	-39.56	PASS
Band41	15MHz	16QAM	41515	75RB#0	0.009~0.15	-70.97	PASS
Band41	15MHz	16QAM	41515	75RB#0	0.15~30	-67.70	PASS
Band41	15MHz	16QAM	41515	75RB#0	30~1000	-66.49	PASS
Band41	15MHz	16QAM	41515	75RB#0	1000~20000	-46.11	PASS
Band41	15MHz	16QAM	41515	75RB#0	20000~27000	-39.58	PASS
Band41	20MHz	QPSK	39750	100RB#0	0.009~0.15	-72.62	PASS
Band41	20MHz	QPSK	39750	100RB#0	0.15~30	-68.76	PASS
Band41	20MHz	QPSK	39750	100RB#0	30~1000	-66.61	PASS
Band41	20MHz	QPSK	39750	100RB#0	1000~20000	-46.24	PASS
Band41	20MHz	QPSK	39750	100RB#0	20000~27000	-39.72	PASS
Band41	20MHz	QPSK	40620	100RB#0	0.009~0.15	-74.30	PASS
Band41	20MHz	QPSK	40620	100RB#0	0.15~30	-68.50	PASS
Band41	20MHz	QPSK	40620	100RB#0	30~1000	-66.69	PASS
Band41	20MHz	QPSK	40620	100RB#0	1000~20000	-46.26	PASS
Band41	20MHz	QPSK	40620	100RB#0	20000~27000	-39.67	PASS
Band41	20MHz	QPSK	41490	100RB#0	0.009~0.15	-74.37	PASS
Band41	20MHz	QPSK	41490	100RB#0	0.15~30	-67.49	PASS
Band41	20MHz	QPSK	41490	100RB#0	30~1000	-66.25	PASS
Band41	20MHz	QPSK	41490	100RB#0	1000~20000	-46.09	PASS
Band41	20MHz	QPSK	41490	100RB#0	20000~27000	-39.67	PASS
Band41	20MHz	16QAM	39750	100RB#0	0.009~0.15	-74.03	PASS
Band41	20MHz	16QAM	39750	100RB#0	0.15~30	-67.87	PASS
Band41	20MHz	16QAM	39750	100RB#0	30~1000	-66.81	PASS
Band41	20MHz	16QAM	39750	100RB#0	1000~20000	-46.04	PASS
Band41	20MHz	16QAM	39750	100RB#0	20000~27000	-39.63	PASS
Band41	20MHz	16QAM	40620	100RB#0	0.009~0.15	-71.50	PASS
Band41	20MHz	16QAM	40620	100RB#0	0.15~30	-66.36	PASS
Band41	20MHz	16QAM	40620	100RB#0	30~1000	-66.23	PASS
Band41	20MHz	16QAM	40620	100RB#0	1000~20000	-46.20	PASS
Band41	20MHz	16QAM	40620	100RB#0	20000~27000	-39.75	PASS
Band41	20MHz	16QAM	41490	100RB#0	0.009~0.15	-72.42	PASS
Band41	20MHz	16QAM	41490	100RB#0	0.15~30	-66.29	PASS
Band41	20MHz	16QAM	41490	100RB#0	30~1000	-66.45	PASS
Band41	20MHz	16QAM	41490	100RB#0	1000~20000	-46.14	PASS
Band41	20MHz	16QAM	41490	100RB#0	20000~27000	-39.72	PASS

Test Graphs

