

FCC LTE Band Test Data

FCC ID : 2BDCL-M616A

Company: : Signalinks Communication Technology Co.,Ltd

EUT : 4G LTE Mobile Wifi

Model Number : M616A

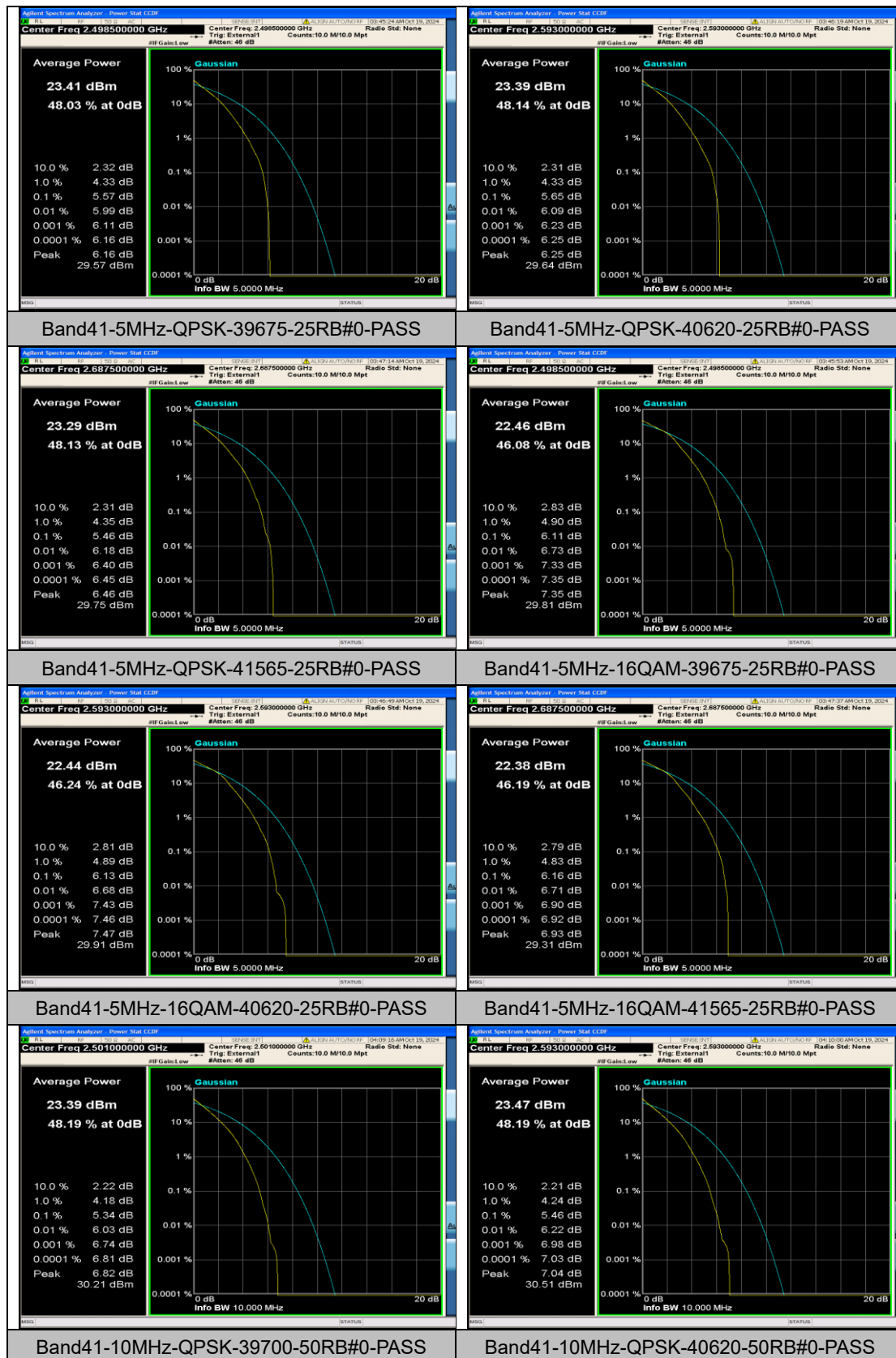
Reviewed By : Eric Wang

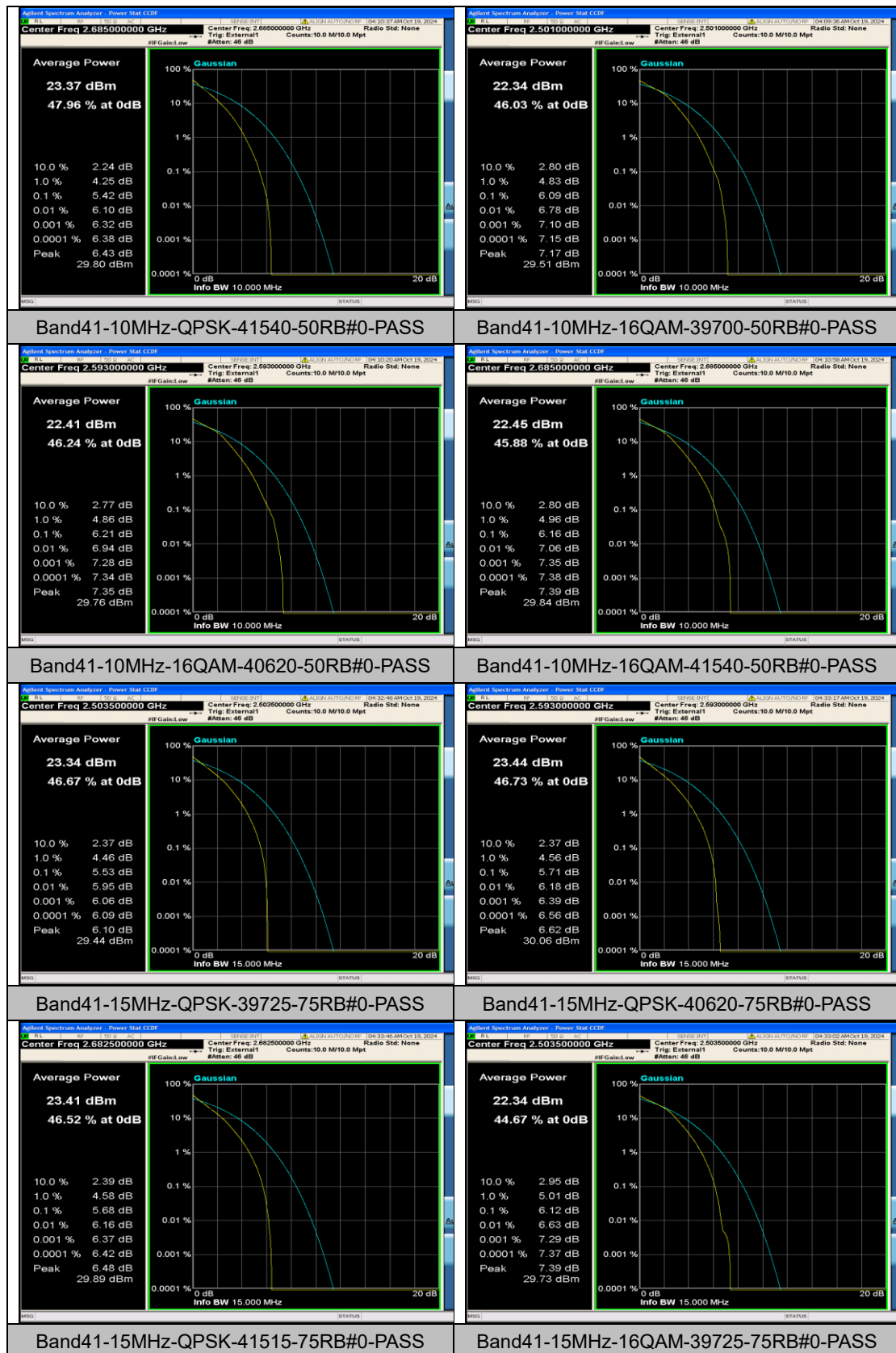
Appendix B: Peak-to-Average Ratio(CCDF)

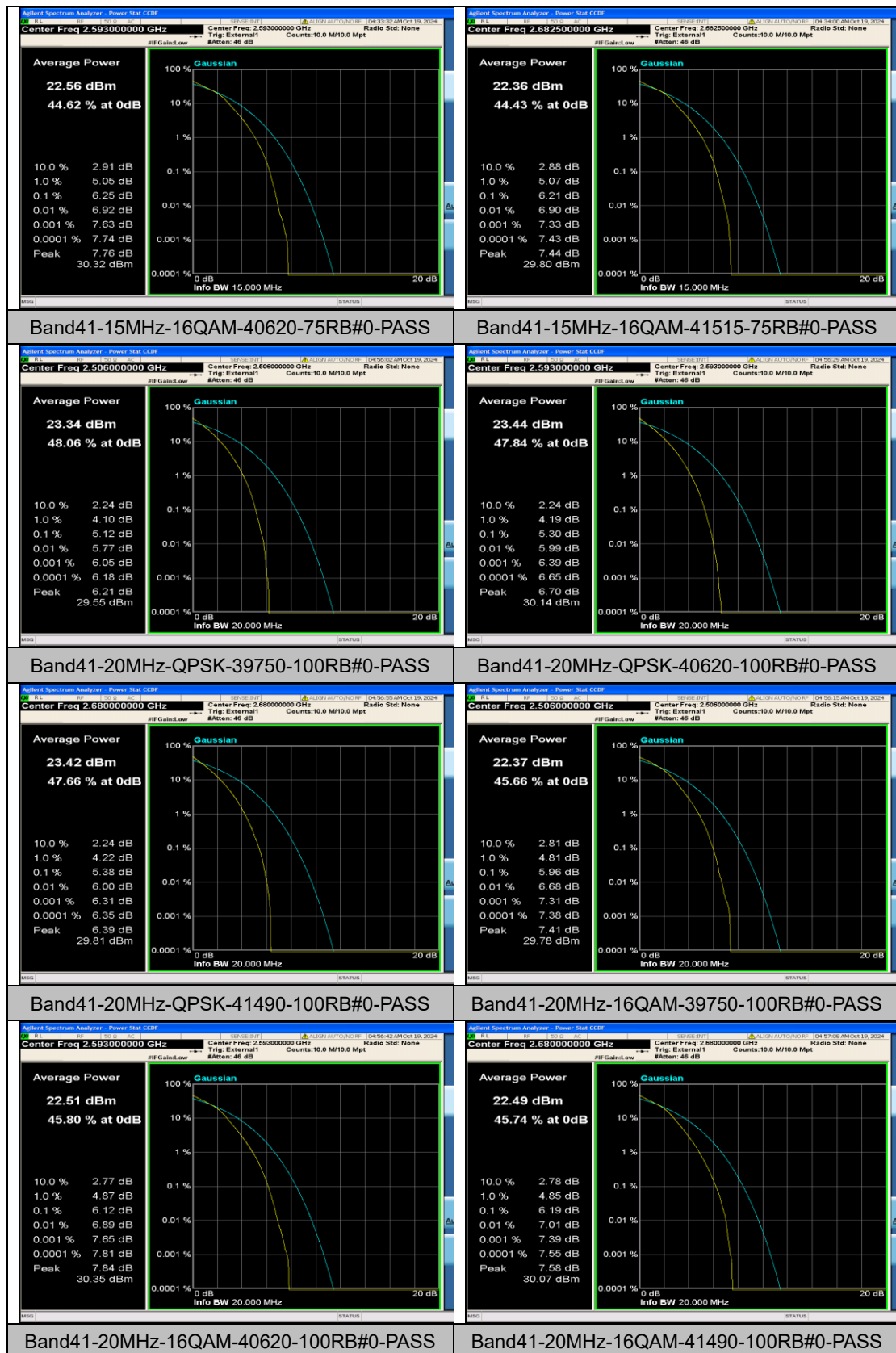
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	5.57	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	5.65	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	5.46	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	6.11	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	6.13	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	6.16	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	5.34	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	5.46	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	5.42	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	6.09	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	6.21	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	6.16	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	5.53	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	5.71	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	5.68	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	6.12	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	6.25	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	6.21	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	5.12	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	5.30	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	5.38	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	5.96	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	6.12	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	6.19	13	PASS

Test Graphs





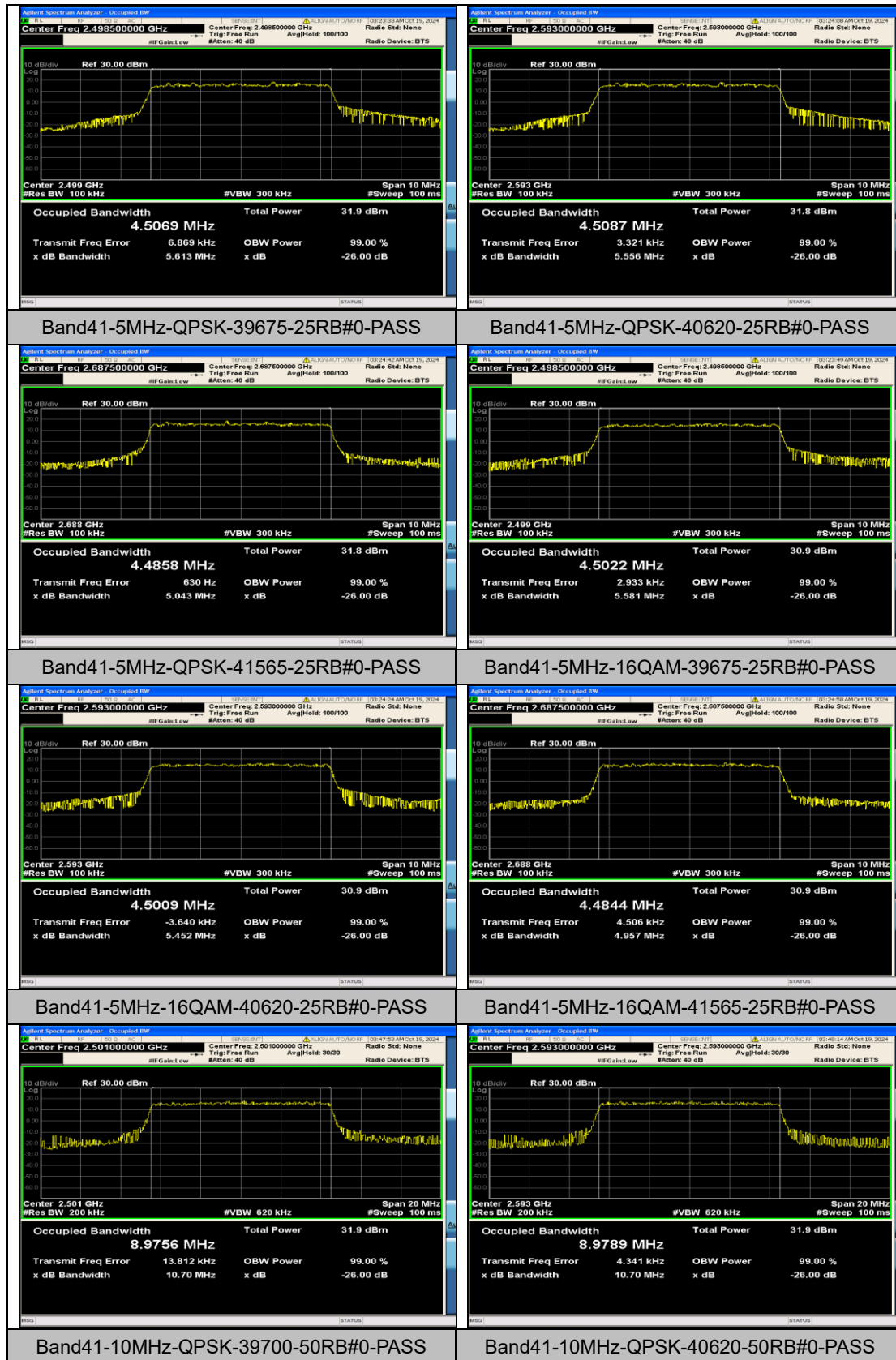


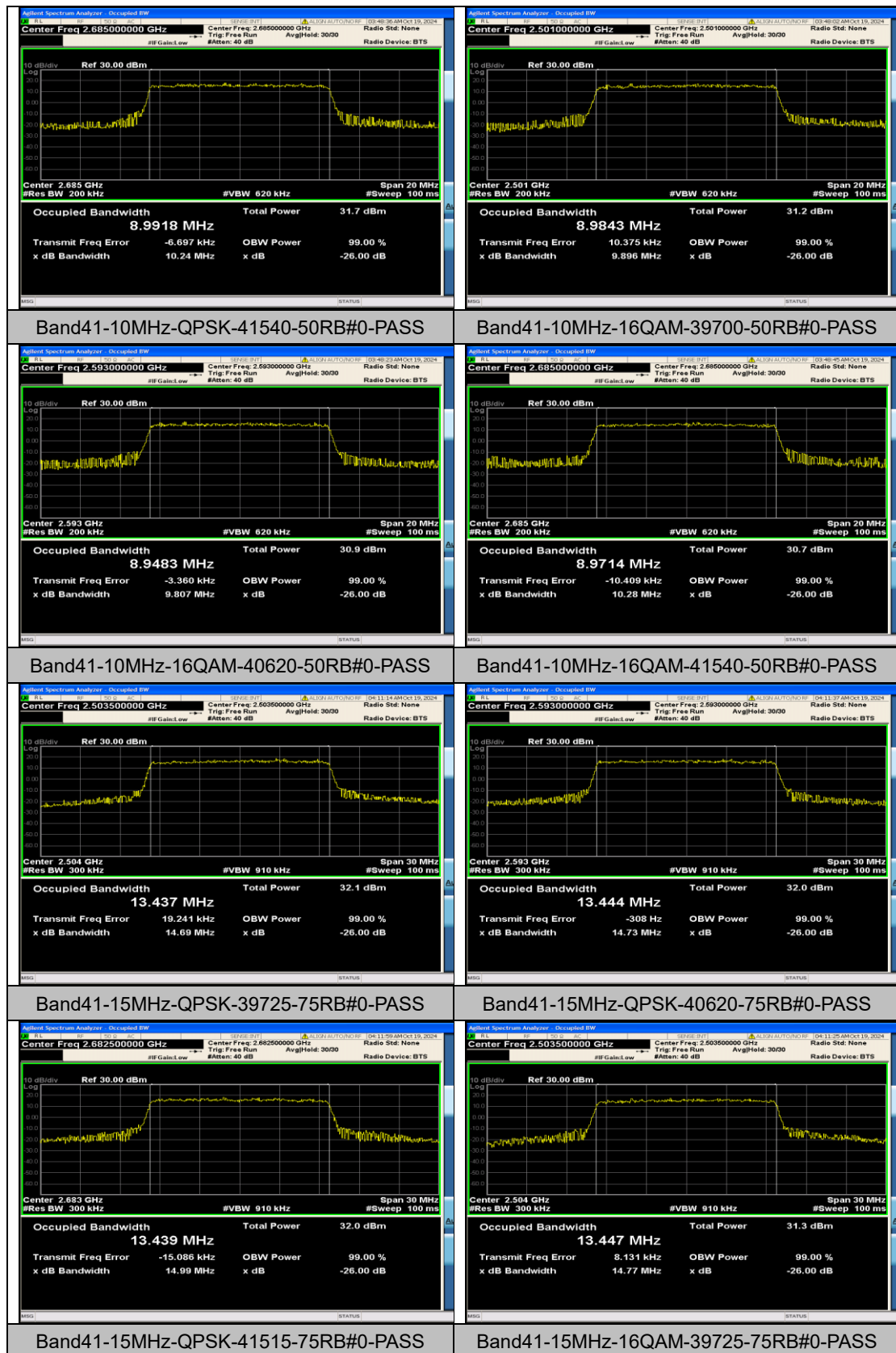
Appendix C: 26dB Bandwidth and Occupied Bandwidth

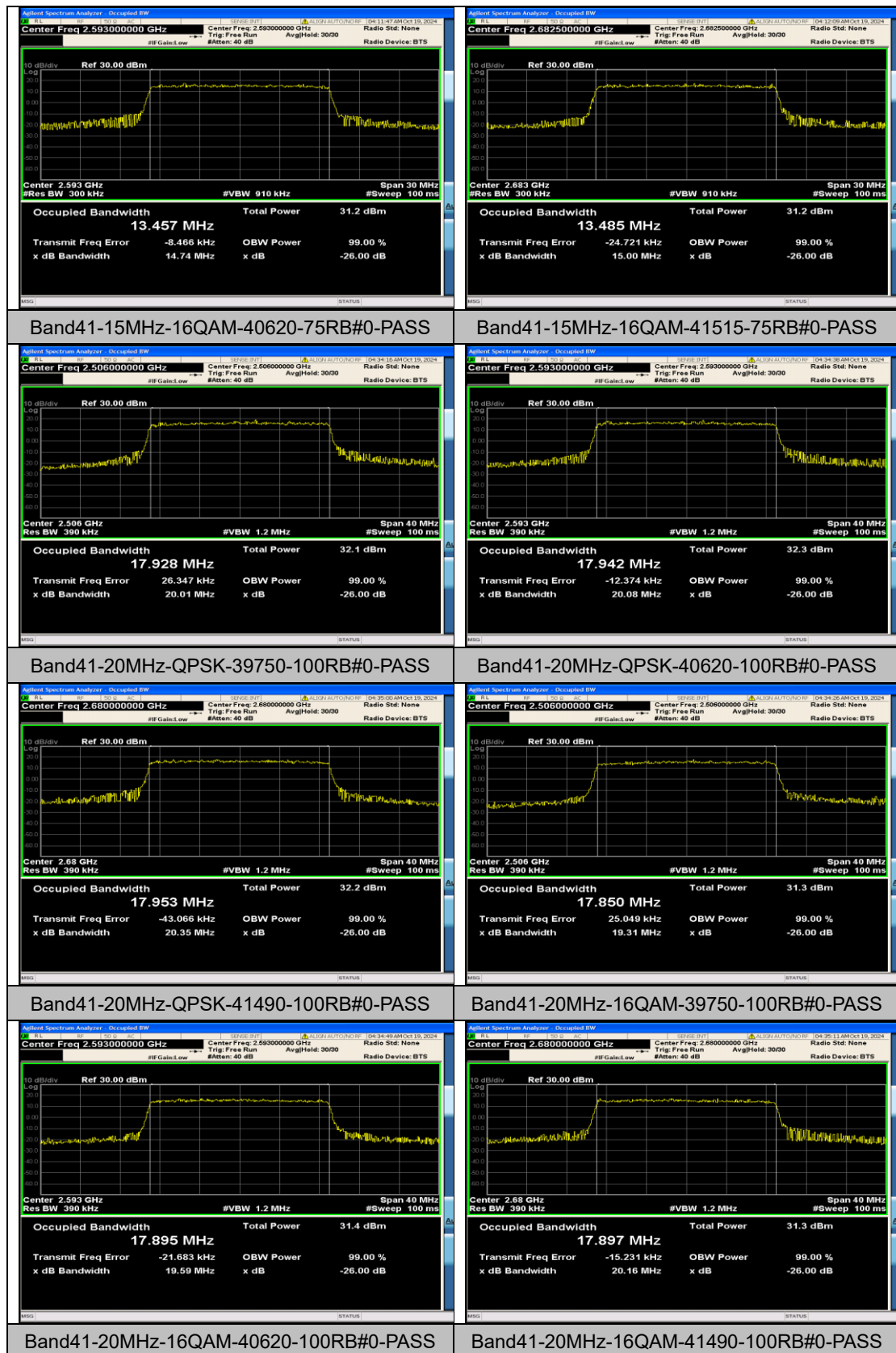
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.5069	5.613	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.5087	5.556	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.4858	5.043	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.5022	5.581	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.5009	5.452	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.4844	4.957	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9756	10.70	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9789	10.70	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.9918	10.24	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9843	9.896	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.9483	9.807	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.9714	10.28	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.437	14.69	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.444	14.73	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.439	14.99	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.447	14.77	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.457	14.74	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.485	15.00	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.928	20.01	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.942	20.08	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.953	20.35	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.850	19.31	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.895	19.59	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.897	20.16	PASS

Test Graphs





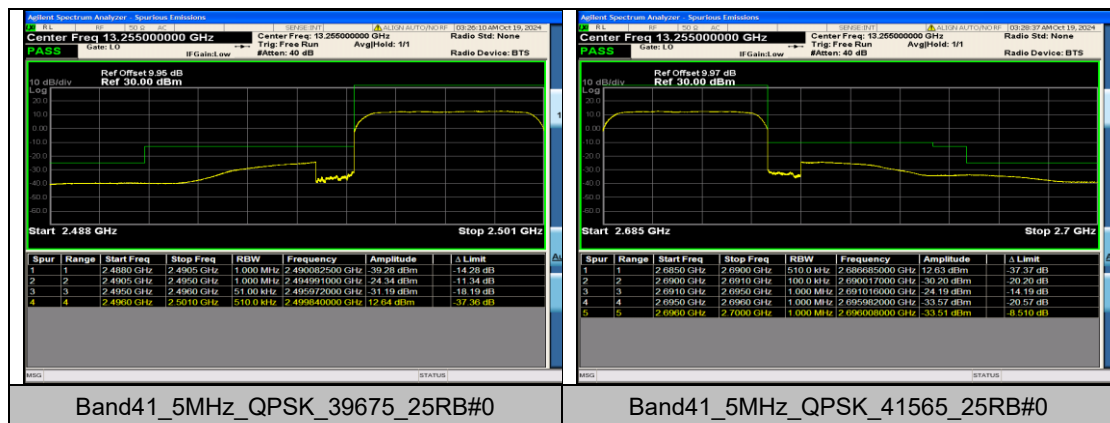


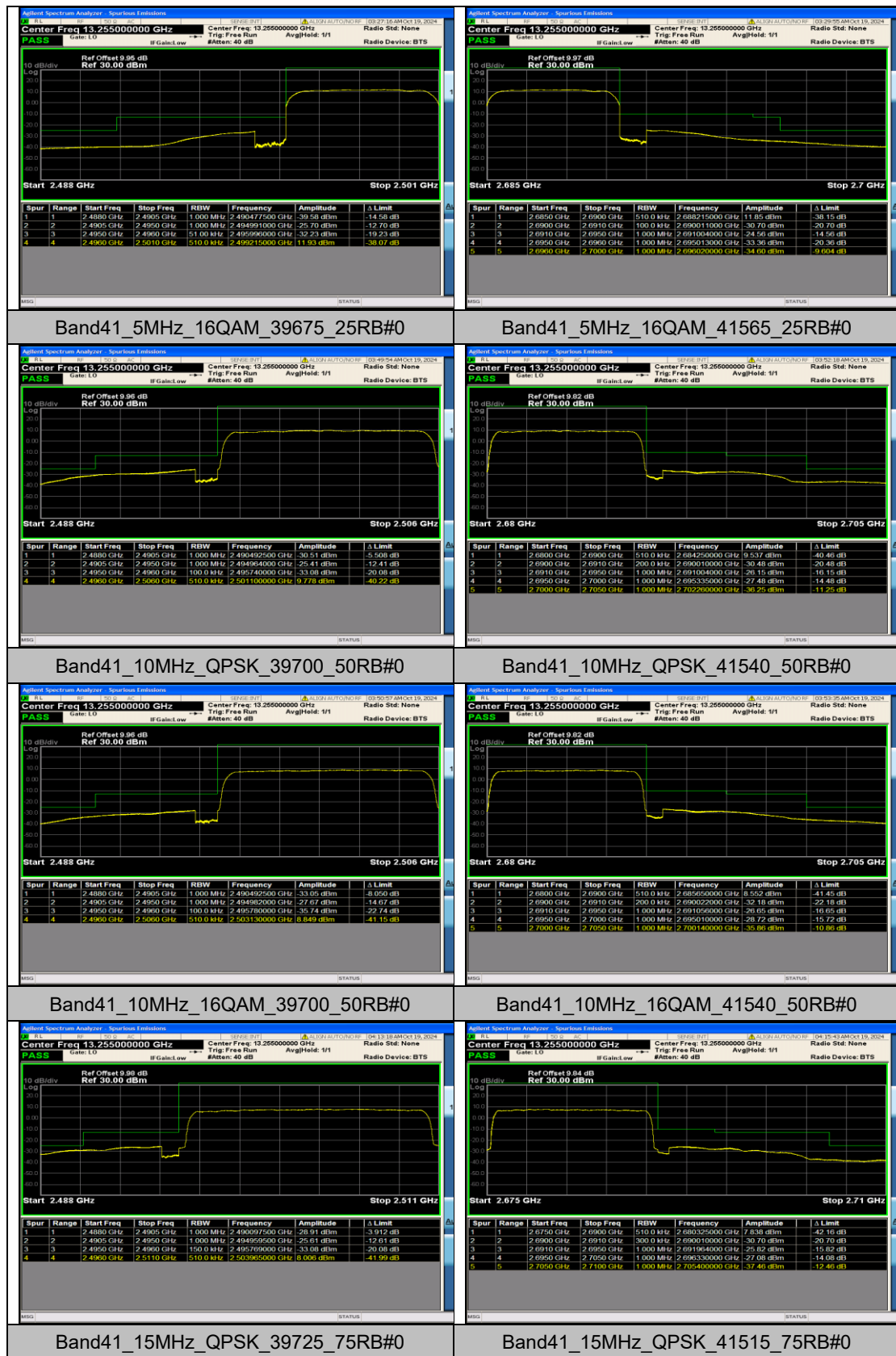
Appendix D: Band Edge

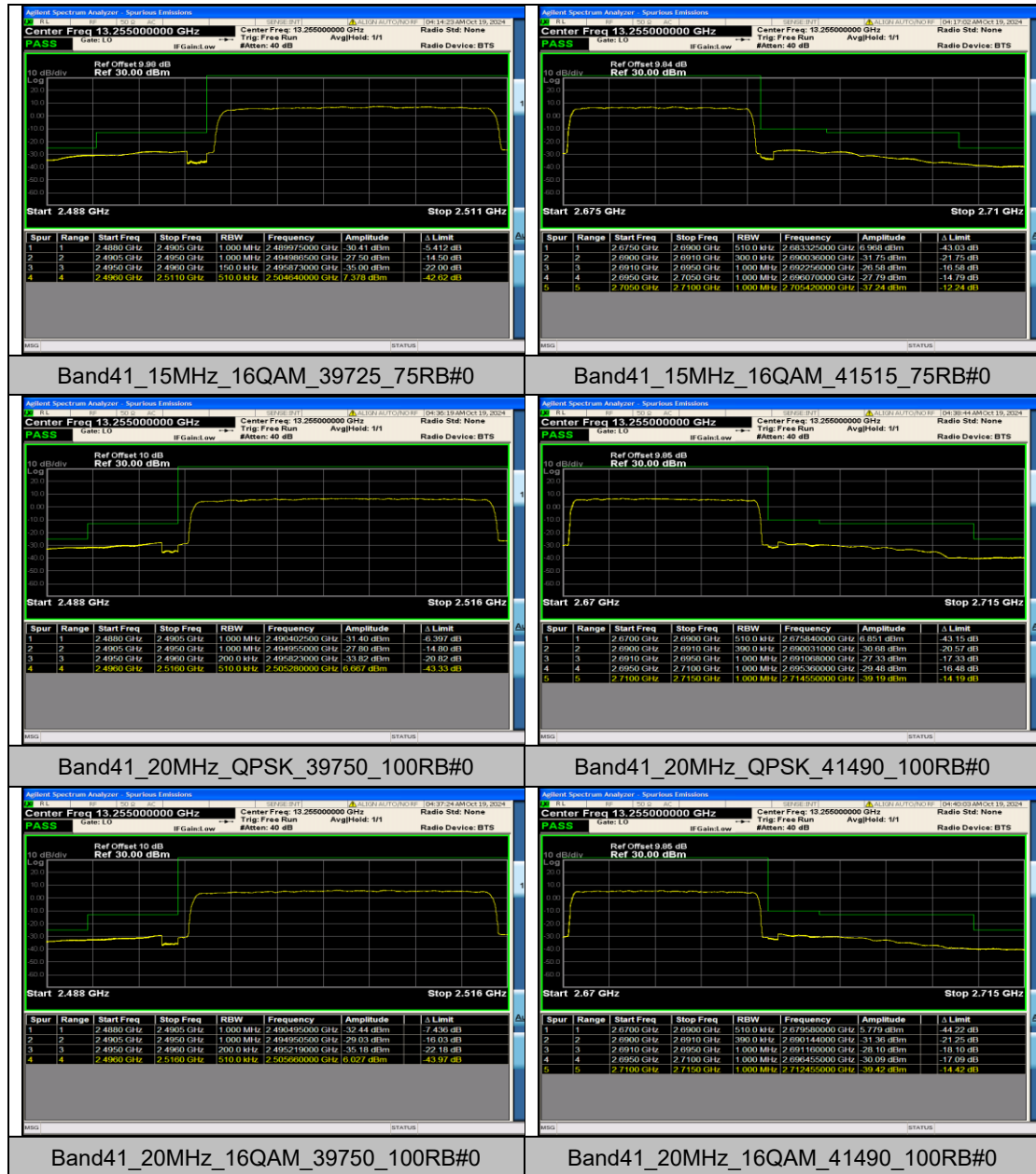
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	-24.34	PASS
Band41	5MHz	QPSK	41565	25RB#0	-33.51	PASS
Band41	5MHz	16QAM	39675	25RB#0	-25.70	PASS
Band41	5MHz	16QAM	41565	25RB#0	-34.60	PASS
Band41	10MHz	QPSK	39700	50RB#0	-30.51	PASS
Band41	10MHz	QPSK	41540	50RB#0	-36.25	PASS
Band41	10MHz	16QAM	39700	50RB#0	-33.05	PASS
Band41	10MHz	16QAM	41540	50RB#0	-35.86	PASS
Band41	15MHz	QPSK	39725	75RB#0	-28.91	PASS
Band41	15MHz	QPSK	41515	75RB#0	-37.46	PASS
Band41	15MHz	16QAM	39725	75RB#0	-30.41	PASS
Band41	15MHz	16QAM	41515	75RB#0	-37.24	PASS
Band41	20MHz	QPSK	39750	100RB#0	-31.40	PASS
Band41	20MHz	QPSK	41490	100RB#0	-39.19	PASS
Band41	20MHz	16QAM	39750	100RB#0	-32.44	PASS
Band41	20MHz	16QAM	41490	100RB#0	-39.42	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	-74.65	PASS
Band41	5MHz	QPSK	39675	25RB#0	0.15~30	-60.18	PASS
Band41	5MHz	QPSK	39675	25RB#0	30~1000	-62.03	PASS
Band41	5MHz	QPSK	39675	25RB#0	1000~20000	-37.81	PASS
Band41	5MHz	QPSK	39675	25RB#0	20000~27000	-31.42	PASS
Band41	5MHz	QPSK	40620	25RB#0	0.009~0.15	-72.76	PASS
Band41	5MHz	QPSK	40620	25RB#0	0.15~30	-60.75	PASS
Band41	5MHz	QPSK	40620	25RB#0	30~1000	-61.74	PASS
Band41	5MHz	QPSK	40620	25RB#0	1000~20000	-35.33	PASS
Band41	5MHz	QPSK	40620	25RB#0	20000~27000	-31.35	PASS
Band41	5MHz	QPSK	41565	25RB#0	0.009~0.15	-73.07	PASS
Band41	5MHz	QPSK	41565	25RB#0	0.15~30	-64.50	PASS
Band41	5MHz	QPSK	41565	25RB#0	30~1000	-61.91	PASS
Band41	5MHz	QPSK	41565	25RB#0	1000~20000	-33.28	PASS
Band41	5MHz	QPSK	41565	25RB#0	20000~27000	-31.04	PASS
Band41	5MHz	16QAM	39675	25RB#0	0.009~0.15	-75.75	PASS
Band41	5MHz	16QAM	39675	25RB#0	0.15~30	-65.77	PASS
Band41	5MHz	16QAM	39675	25RB#0	30~1000	-61.79	PASS
Band41	5MHz	16QAM	39675	25RB#0	1000~20000	-38.00	PASS
Band41	5MHz	16QAM	39675	25RB#0	20000~27000	-31.44	PASS
Band41	5MHz	16QAM	40620	25RB#0	0.009~0.15	-74.72	PASS
Band41	5MHz	16QAM	40620	25RB#0	0.15~30	-61.63	PASS
Band41	5MHz	16QAM	40620	25RB#0	30~1000	-61.91	PASS
Band41	5MHz	16QAM	40620	25RB#0	1000~20000	-35.73	PASS
Band41	5MHz	16QAM	40620	25RB#0	20000~27000	-31.15	PASS
Band41	5MHz	16QAM	41565	25RB#0	0.009~0.15	-75.17	PASS
Band41	5MHz	16QAM	41565	25RB#0	0.15~30	-60.51	PASS
Band41	5MHz	16QAM	41565	25RB#0	30~1000	-61.72	PASS
Band41	5MHz	16QAM	41565	25RB#0	1000~20000	-35.33	PASS
Band41	5MHz	16QAM	41565	25RB#0	20000~27000	-31.27	PASS
Band41	10MHz	QPSK	39700	50RB#0	0.009~0.15	-74.71	PASS
Band41	10MHz	QPSK	39700	50RB#0	0.15~30	-60.66	PASS
Band41	10MHz	QPSK	39700	50RB#0	30~1000	-61.64	PASS
Band41	10MHz	QPSK	39700	50RB#0	1000~20000	-37.78	PASS
Band41	10MHz	QPSK	39700	50RB#0	20000~27000	-31.28	PASS
Band41	10MHz	QPSK	40620	50RB#0	0.009~0.15	-74.33	PASS

Band41	10MHz	QPSK	40620	50RB#0	0.15~30	-60.52	PASS
Band41	10MHz	QPSK	40620	50RB#0	30~1000	-61.94	PASS
Band41	10MHz	QPSK	40620	50RB#0	1000~20000	-37.04	PASS
Band41	10MHz	QPSK	40620	50RB#0	20000~27000	-31.23	PASS
Band41	10MHz	QPSK	41540	50RB#0	0.009~0.15	-72.98	PASS
Band41	10MHz	QPSK	41540	50RB#0	0.15~30	-60.50	PASS
Band41	10MHz	QPSK	41540	50RB#0	30~1000	-62.03	PASS
Band41	10MHz	QPSK	41540	50RB#0	1000~20000	-34.56	PASS
Band41	10MHz	QPSK	41540	50RB#0	20000~27000	-31.26	PASS
Band41	10MHz	16QAM	39700	50RB#0	0.009~0.15	-72.92	PASS
Band41	10MHz	16QAM	39700	50RB#0	0.15~30	-62.56	PASS
Band41	10MHz	16QAM	39700	50RB#0	30~1000	-61.67	PASS
Band41	10MHz	16QAM	39700	50RB#0	1000~20000	-38.10	PASS
Band41	10MHz	16QAM	39700	50RB#0	20000~27000	-30.90	PASS
Band41	10MHz	16QAM	40620	50RB#0	0.009~0.15	-74.38	PASS
Band41	10MHz	16QAM	40620	50RB#0	0.15~30	-62.25	PASS
Band41	10MHz	16QAM	40620	50RB#0	30~1000	-61.61	PASS
Band41	10MHz	16QAM	40620	50RB#0	1000~20000	-37.90	PASS
Band41	10MHz	16QAM	40620	50RB#0	20000~27000	-31.23	PASS
Band41	10MHz	16QAM	41540	50RB#0	0.009~0.15	-74.43	PASS
Band41	10MHz	16QAM	41540	50RB#0	0.15~30	-61.56	PASS
Band41	10MHz	16QAM	41540	50RB#0	30~1000	-62.10	PASS
Band41	10MHz	16QAM	41540	50RB#0	1000~20000	-37.73	PASS
Band41	10MHz	16QAM	41540	50RB#0	20000~27000	-31.37	PASS
Band41	15MHz	QPSK	39725	75RB#0	0.009~0.15	-75.69	PASS
Band41	15MHz	QPSK	39725	75RB#0	0.15~30	-63.51	PASS
Band41	15MHz	QPSK	39725	75RB#0	30~1000	-61.82	PASS
Band41	15MHz	QPSK	39725	75RB#0	1000~20000	-37.74	PASS
Band41	15MHz	QPSK	39725	75RB#0	20000~27000	-31.27	PASS
Band41	15MHz	QPSK	40620	75RB#0	0.009~0.15	-73.97	PASS
Band41	15MHz	QPSK	40620	75RB#0	0.15~30	-60.57	PASS
Band41	15MHz	QPSK	40620	75RB#0	30~1000	-62.03	PASS
Band41	15MHz	QPSK	40620	75RB#0	1000~20000	-35.62	PASS
Band41	15MHz	QPSK	40620	75RB#0	20000~27000	-31.17	PASS
Band41	15MHz	QPSK	41515	75RB#0	0.009~0.15	-72.42	PASS
Band41	15MHz	QPSK	41515	75RB#0	0.15~30	-60.82	PASS
Band41	15MHz	QPSK	41515	75RB#0	30~1000	-61.96	PASS
Band41	15MHz	QPSK	41515	75RB#0	1000~20000	-34.31	PASS
Band41	15MHz	QPSK	41515	75RB#0	20000~27000	-30.44	PASS
Band41	15MHz	16QAM	39725	75RB#0	0.009~0.15	-73.32	PASS
Band41	15MHz	16QAM	39725	75RB#0	0.15~30	-61.43	PASS
Band41	15MHz	16QAM	39725	75RB#0	30~1000	-61.68	PASS
Band41	15MHz	16QAM	39725	75RB#0	1000~20000	-38.13	PASS

Band41	15MHz	16QAM	39725	75RB#0	20000~27000	-31.20	PASS
Band41	15MHz	16QAM	40620	75RB#0	0.009~0.15	-73.26	PASS
Band41	15MHz	16QAM	40620	75RB#0	0.15~30	-63.07	PASS
Band41	15MHz	16QAM	40620	75RB#0	30~1000	-61.71	PASS
Band41	15MHz	16QAM	40620	75RB#0	1000~20000	-36.99	PASS
Band41	15MHz	16QAM	40620	75RB#0	20000~27000	-30.99	PASS
Band41	15MHz	16QAM	41515	75RB#0	0.009~0.15	-74.35	PASS
Band41	15MHz	16QAM	41515	75RB#0	0.15~30	-60.26	PASS
Band41	15MHz	16QAM	41515	75RB#0	30~1000	-62.08	PASS
Band41	15MHz	16QAM	41515	75RB#0	1000~20000	-36.41	PASS
Band41	15MHz	16QAM	41515	75RB#0	20000~27000	-30.40	PASS
Band41	20MHz	QPSK	39750	100RB#0	0.009~0.15	-73.80	PASS
Band41	20MHz	QPSK	39750	100RB#0	0.15~30	-62.76	PASS
Band41	20MHz	QPSK	39750	100RB#0	30~1000	-62.14	PASS
Band41	20MHz	QPSK	39750	100RB#0	1000~20000	-38.02	PASS
Band41	20MHz	QPSK	39750	100RB#0	20000~27000	-30.65	PASS
Band41	20MHz	QPSK	40620	100RB#0	0.009~0.15	-74.52	PASS
Band41	20MHz	QPSK	40620	100RB#0	0.15~30	-61.70	PASS
Band41	20MHz	QPSK	40620	100RB#0	30~1000	-62.09	PASS
Band41	20MHz	QPSK	40620	100RB#0	1000~20000	-37.63	PASS
Band41	20MHz	QPSK	40620	100RB#0	20000~27000	-31.27	PASS
Band41	20MHz	QPSK	41490	100RB#0	0.009~0.15	-74.97	PASS
Band41	20MHz	QPSK	41490	100RB#0	0.15~30	-60.42	PASS
Band41	20MHz	QPSK	41490	100RB#0	30~1000	-62.06	PASS
Band41	20MHz	QPSK	41490	100RB#0	1000~20000	-38.06	PASS
Band41	20MHz	QPSK	41490	100RB#0	20000~27000	-31.18	PASS
Band41	20MHz	16QAM	39750	100RB#0	0.009~0.15	-73.78	PASS
Band41	20MHz	16QAM	39750	100RB#0	0.15~30	-60.26	PASS
Band41	20MHz	16QAM	39750	100RB#0	30~1000	-61.97	PASS
Band41	20MHz	16QAM	39750	100RB#0	1000~20000	-37.66	PASS
Band41	20MHz	16QAM	39750	100RB#0	20000~27000	-30.84	PASS
Band41	20MHz	16QAM	40620	100RB#0	0.009~0.15	-75.40	PASS
Band41	20MHz	16QAM	40620	100RB#0	0.15~30	-62.63	PASS
Band41	20MHz	16QAM	40620	100RB#0	30~1000	-62.06	PASS
Band41	20MHz	16QAM	40620	100RB#0	1000~20000	-38.10	PASS
Band41	20MHz	16QAM	40620	100RB#0	20000~27000	-31.04	PASS
Band41	20MHz	16QAM	41490	100RB#0	0.009~0.15	-73.12	PASS
Band41	20MHz	16QAM	41490	100RB#0	0.15~30	-63.78	PASS
Band41	20MHz	16QAM	41490	100RB#0	30~1000	-61.65	PASS
Band41	20MHz	16QAM	41490	100RB#0	1000~20000	-37.88	PASS
Band41	20MHz	16QAM	41490	100RB#0	20000~27000	-30.95	PASS

Test Graphs

