

FCC LTE Band Test Data

FCC ID : 2BMDZ-Z-VOYAGE

Company: : Advanced Rugged System Co., LTD

EUT : Rugged Tablet

Model Number : Z_Voyage

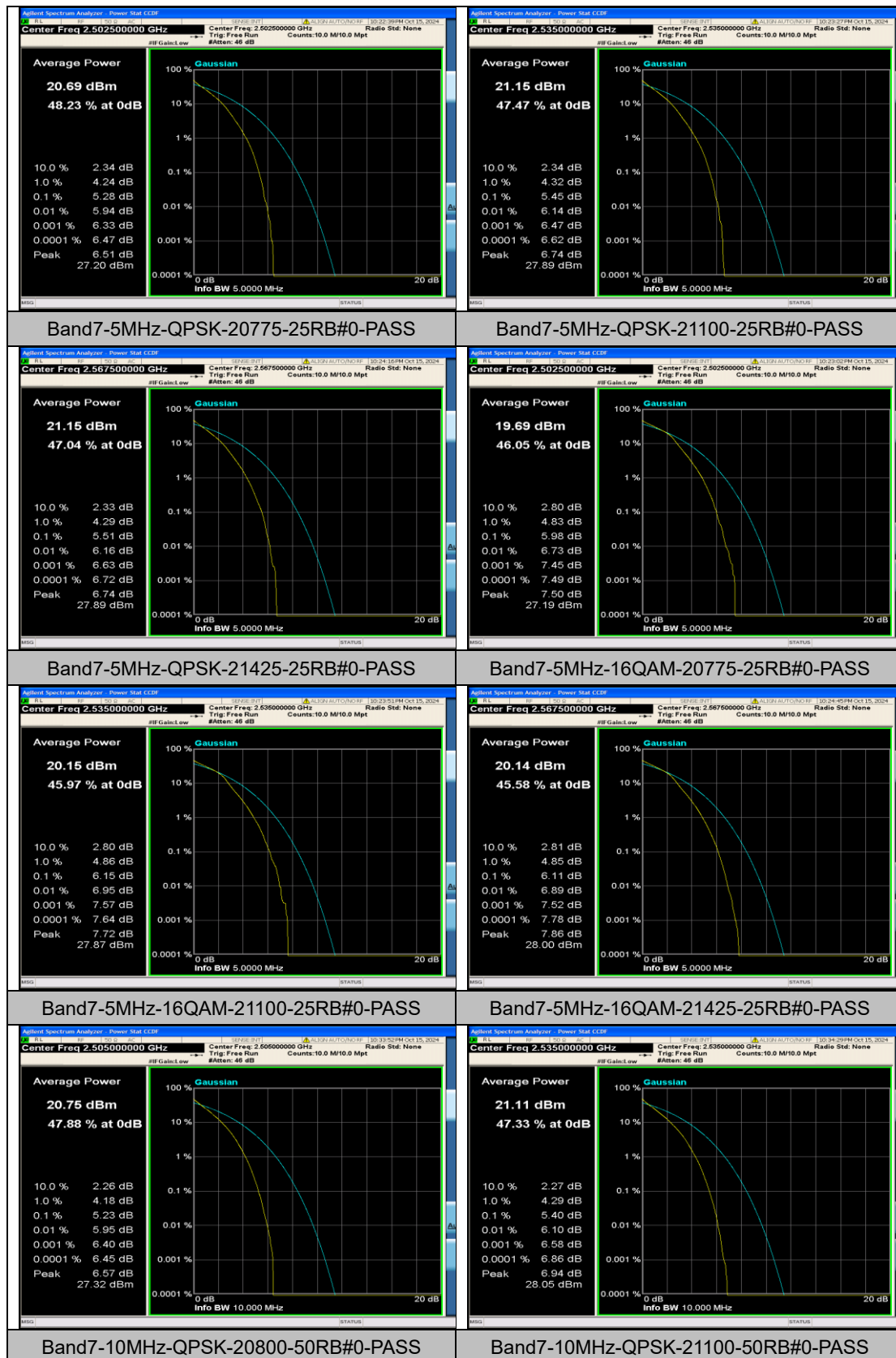
Reviewed By : Eric Wang

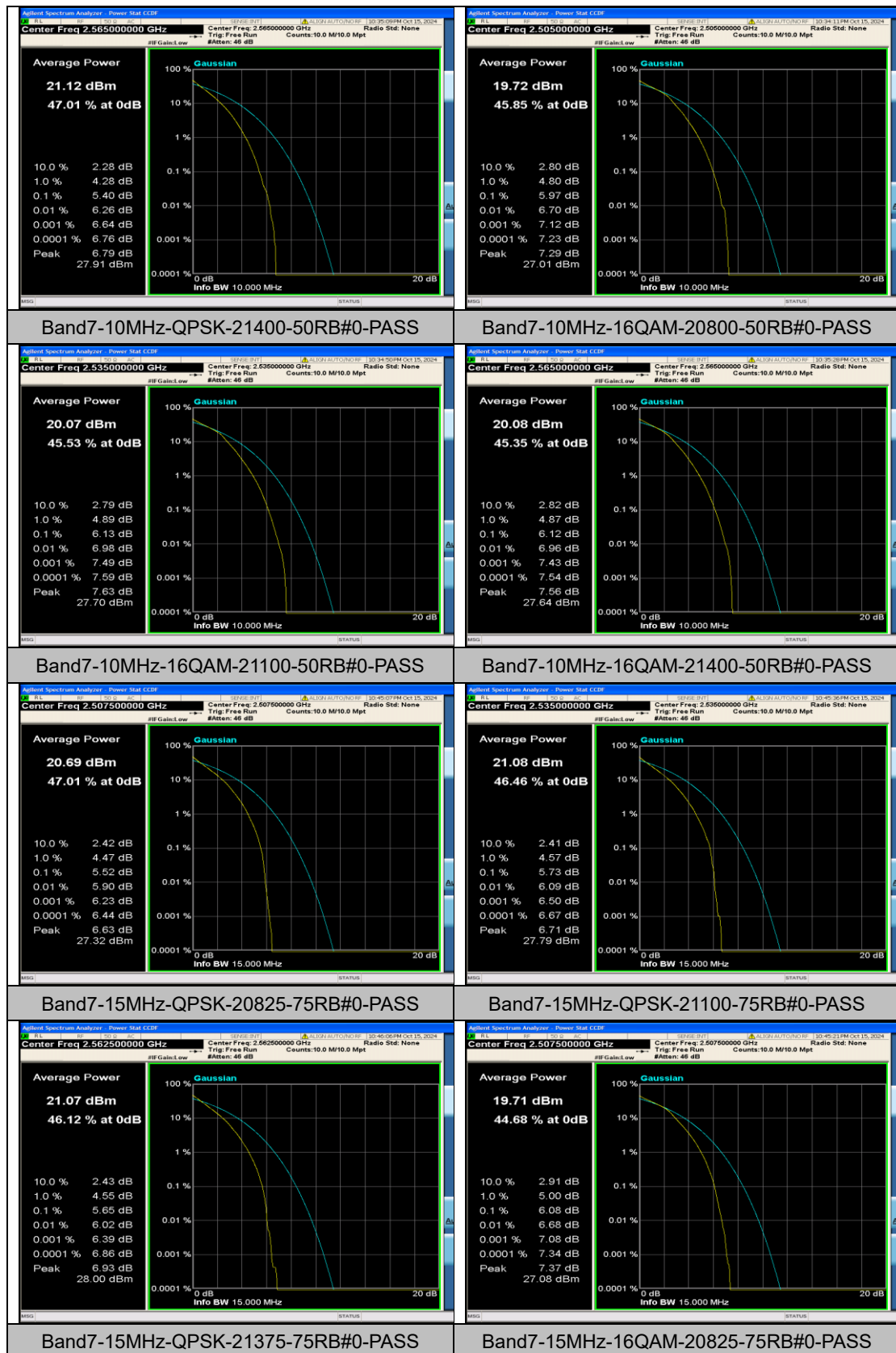
Appendix B: Peak-to-Average Ratio(CCDF)

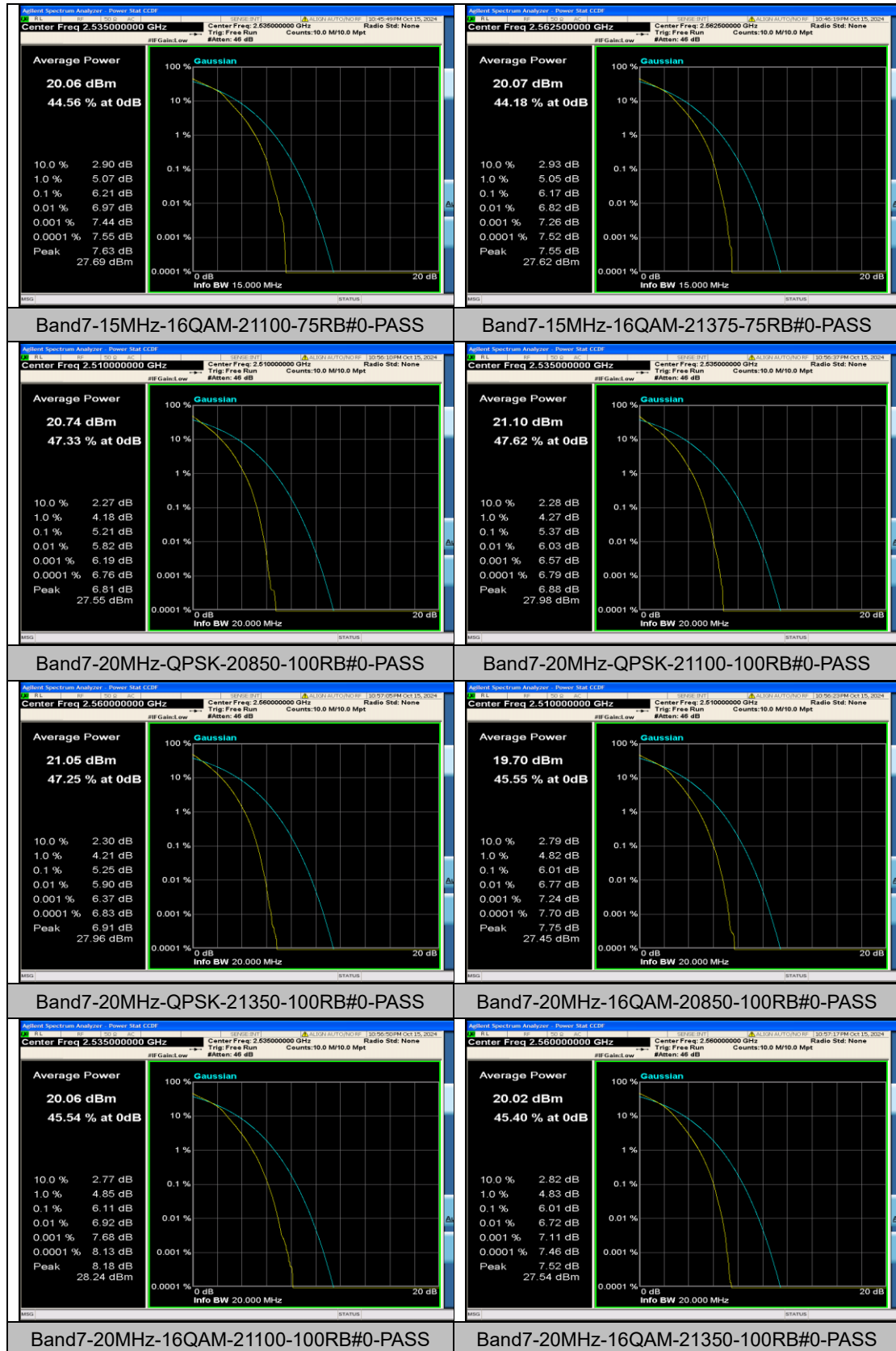
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	5.28	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.45	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.51	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.98	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.15	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.11	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.23	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.40	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.40	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.97	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.13	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	6.12	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.52	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.73	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.65	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.08	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.21	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.17	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.21	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.37	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.25	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.01	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.11	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.01	13	PASS

Test Graphs





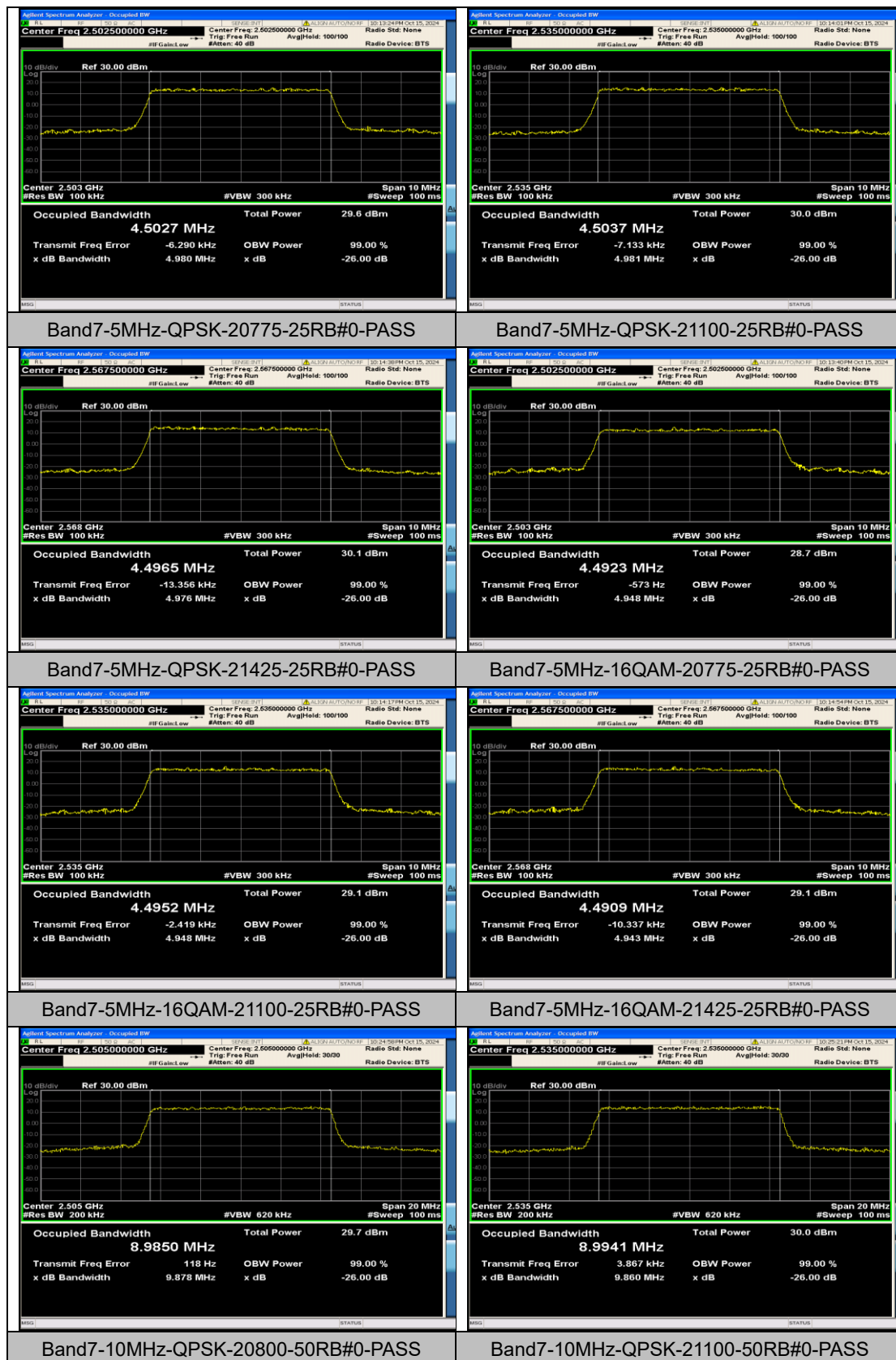


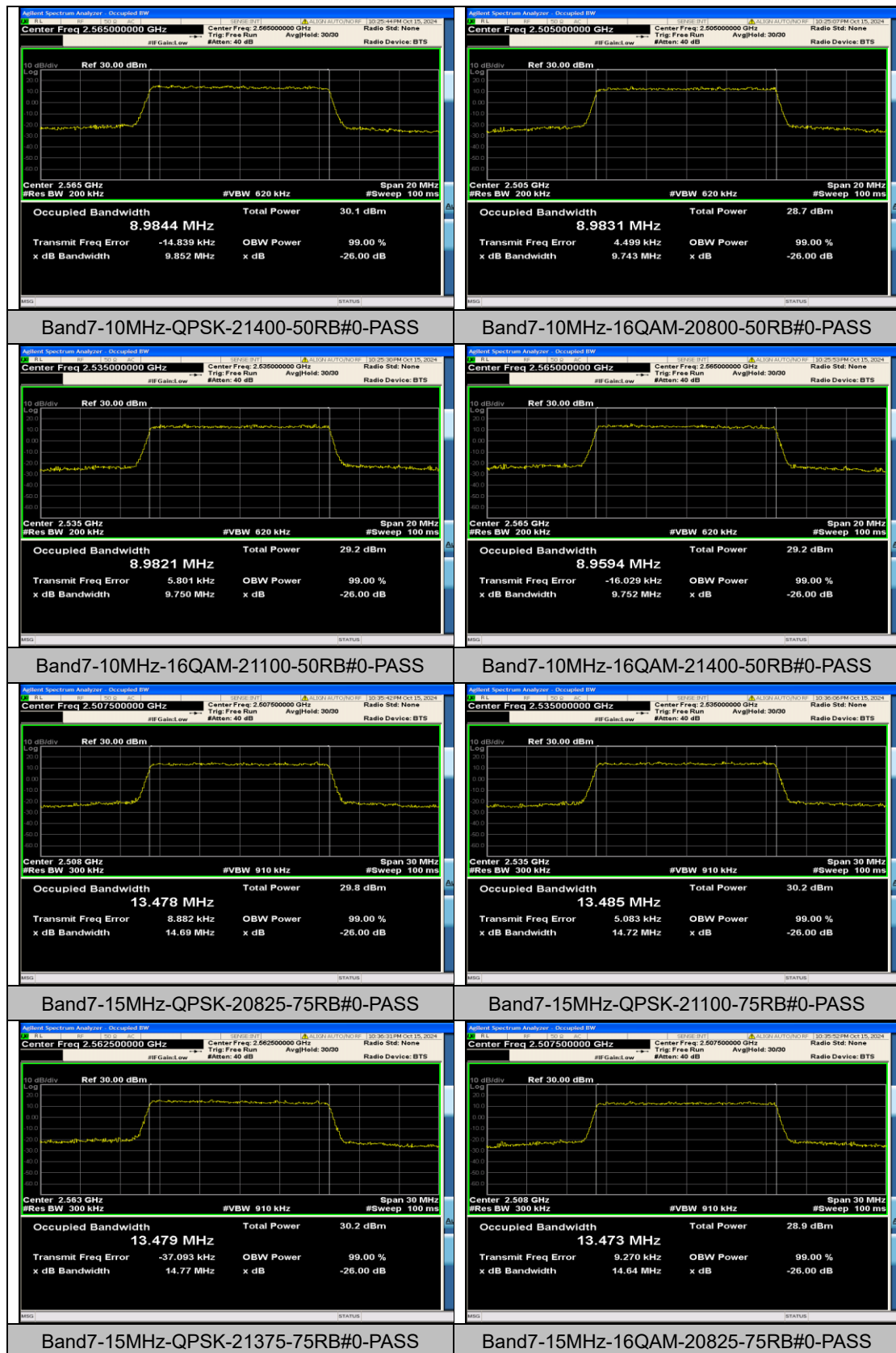
Appendix C: 26dB Bandwidth and Occupied Bandwidth

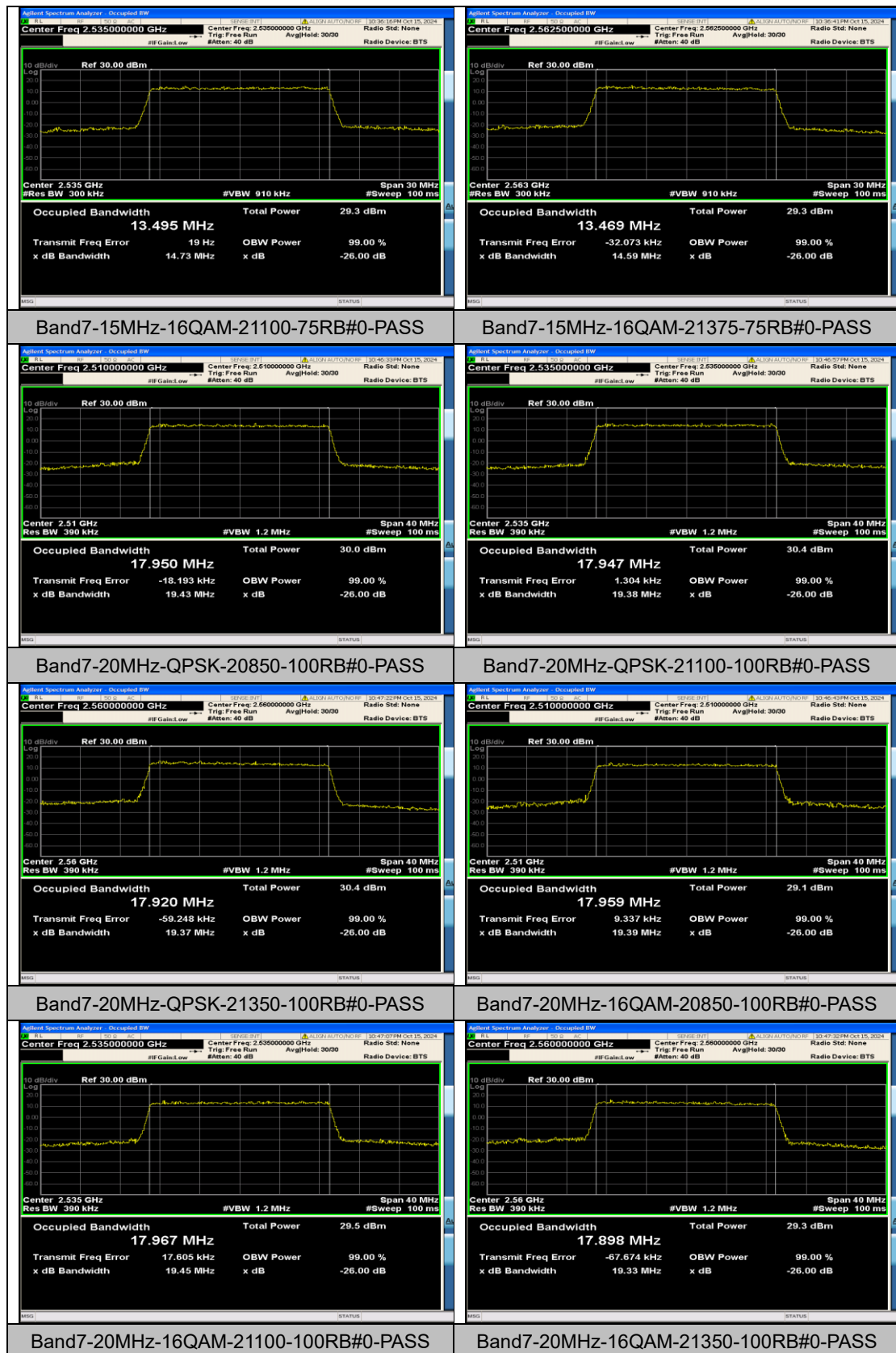
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5027	4.980	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5037	4.981	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.4965	4.976	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4923	4.948	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.4952	4.948	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.4909	4.943	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9850	9.878	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9941	9.860	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9844	9.852	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9831	9.743	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9821	9.750	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9594	9.752	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.478	14.69	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.485	14.72	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.479	14.77	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.473	14.64	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.495	14.73	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.469	14.59	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.950	19.43	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.947	19.38	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.920	19.37	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.959	19.39	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.967	19.45	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.898	19.33	PASS

Test Graphs





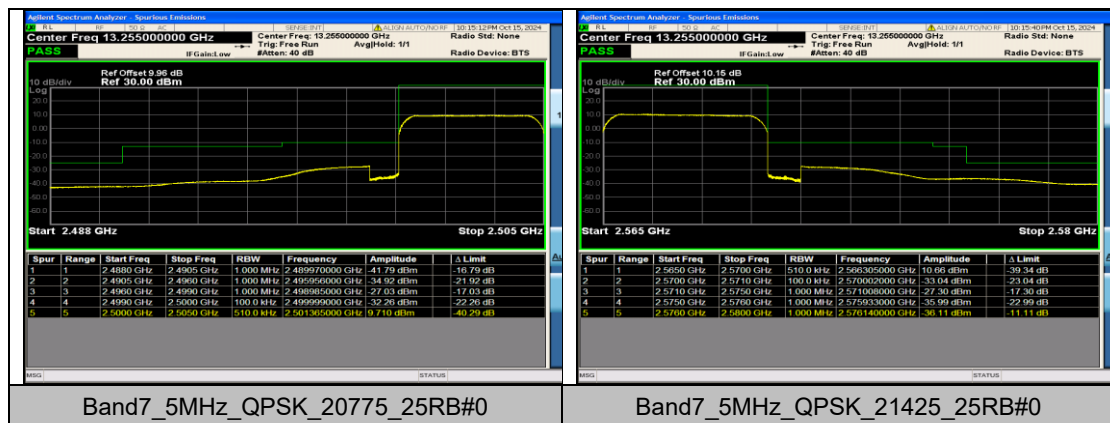


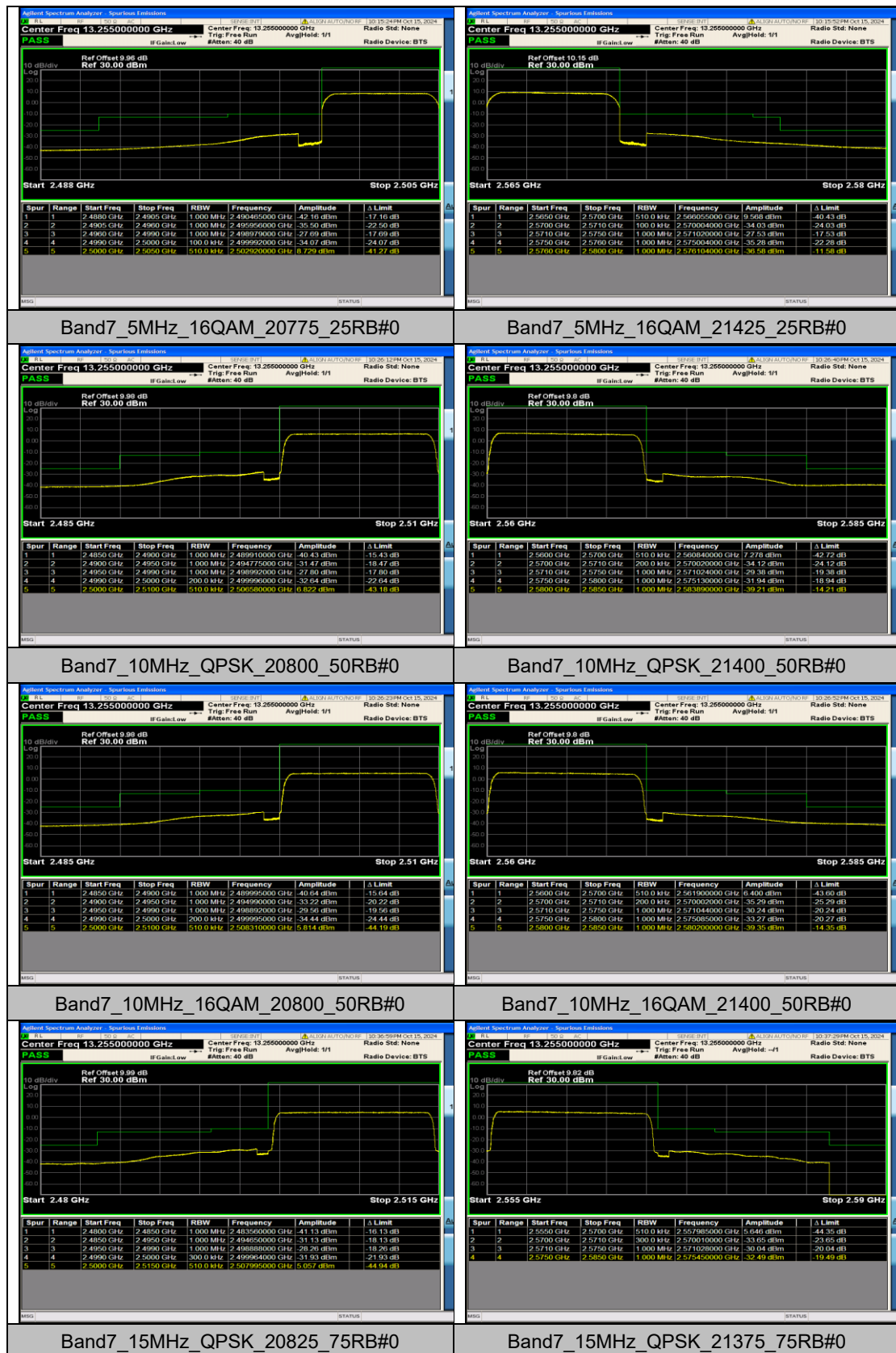
Appendix D: Band Edge

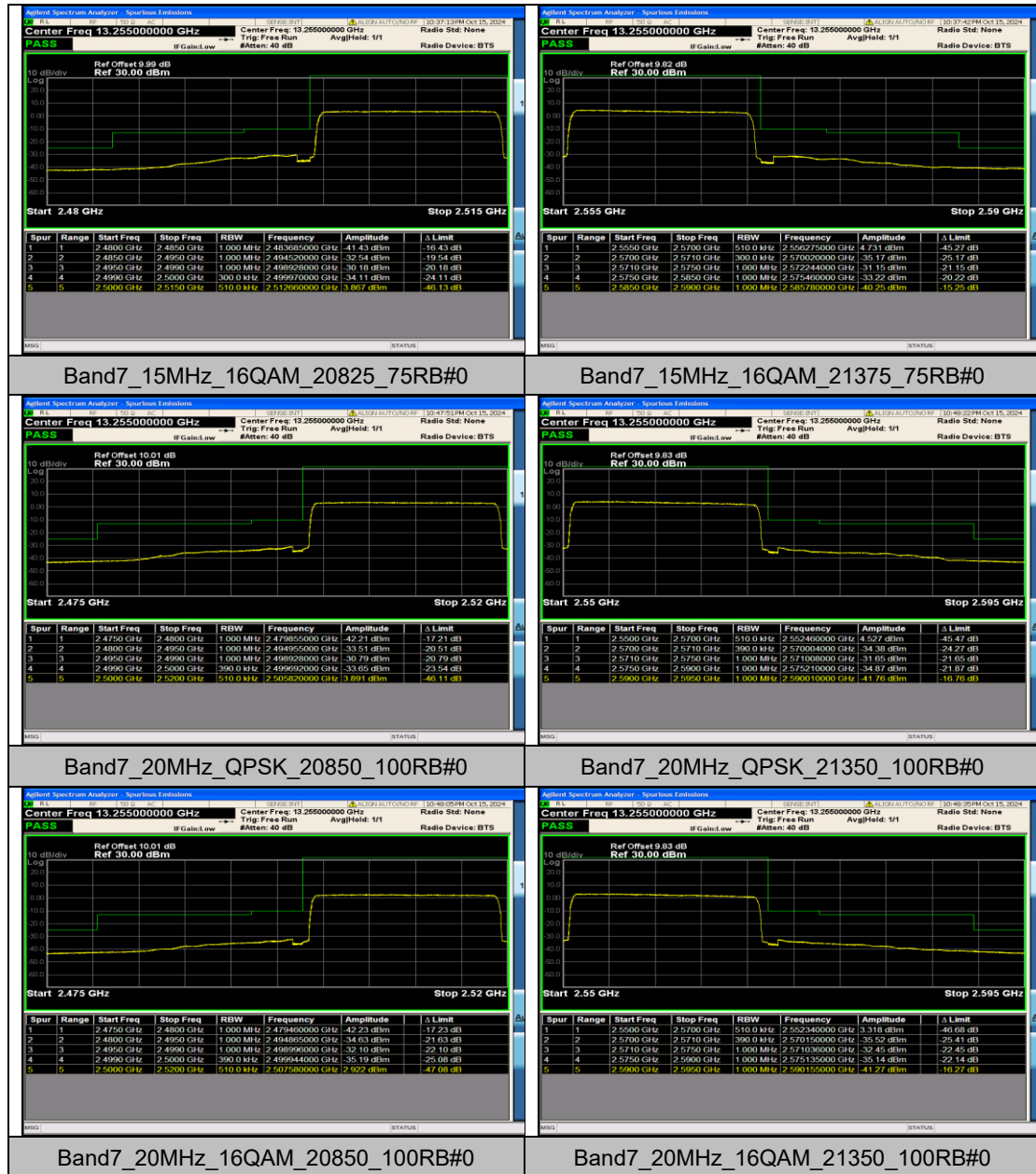
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	-41.79	PASS
Band7	5MHz	QPSK	21425	25RB#0	-36.11	PASS
Band7	5MHz	16QAM	20775	25RB#0	-42.16	PASS
Band7	5MHz	16QAM	21425	25RB#0	-36.58	PASS
Band7	10MHz	QPSK	20800	50RB#0	-40.43	PASS
Band7	10MHz	QPSK	21400	50RB#0	-39.21	PASS
Band7	10MHz	16QAM	20800	50RB#0	-40.64	PASS
Band7	10MHz	16QAM	21400	50RB#0	-39.35	PASS
Band7	15MHz	QPSK	20825	75RB#0	-41.13	PASS
Band7	15MHz	QPSK	21375	75RB#0	-32.49	PASS
Band7	15MHz	16QAM	20825	75RB#0	-41.43	PASS
Band7	15MHz	16QAM	21375	75RB#0	-40.25	PASS
Band7	20MHz	QPSK	20850	100RB#0	-42.21	PASS
Band7	20MHz	QPSK	21350	100RB#0	-41.76	PASS
Band7	20MHz	16QAM	20850	100RB#0	-42.23	PASS
Band7	20MHz	16QAM	21350	100RB#0	-41.27	PASS

Test Graphs







Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	0.009~0.15	-69.54	PASS
Band7	5MHz	QPSK	20775	25RB#0	0.15~30	-63.37	PASS
Band7	5MHz	QPSK	20775	25RB#0	30~1000	-61.71	PASS
Band7	5MHz	QPSK	20775	25RB#0	1000~20000	-35.98	PASS
Band7	5MHz	QPSK	20775	25RB#0	20000~27000	-31.31	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.009~0.15	-68.25	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.15~30	-64.25	PASS
Band7	5MHz	QPSK	21100	25RB#0	30~1000	-61.98	PASS
Band7	5MHz	QPSK	21100	25RB#0	1000~20000	-35.50	PASS
Band7	5MHz	QPSK	21100	25RB#0	20000~27000	-31.22	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.009~0.15	-73.65	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.15~30	-62.79	PASS
Band7	5MHz	QPSK	21425	25RB#0	30~1000	-61.97	PASS
Band7	5MHz	QPSK	21425	25RB#0	1000~20000	-33.08	PASS
Band7	5MHz	QPSK	21425	25RB#0	20000~27000	-31.44	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.009~0.15	-73.46	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.15~30	-63.06	PASS
Band7	5MHz	16QAM	20775	25RB#0	30~1000	-61.94	PASS
Band7	5MHz	16QAM	20775	25RB#0	1000~20000	-34.14	PASS
Band7	5MHz	16QAM	20775	25RB#0	20000~27000	-31.59	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.009~0.15	-72.39	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.15~30	-62.91	PASS
Band7	5MHz	16QAM	21100	25RB#0	30~1000	-61.71	PASS
Band7	5MHz	16QAM	21100	25RB#0	1000~20000	-37.18	PASS
Band7	5MHz	16QAM	21100	25RB#0	20000~27000	-31.52	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.009~0.15	-74.45	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.15~30	-61.84	PASS
Band7	5MHz	16QAM	21425	25RB#0	30~1000	-62.05	PASS
Band7	5MHz	16QAM	21425	25RB#0	1000~20000	-37.75	PASS
Band7	5MHz	16QAM	21425	25RB#0	20000~27000	-31.44	PASS
Band7	10MHz	QPSK	20800	50RB#0	0.009~0.15	-73.14	PASS
Band7	10MHz	QPSK	20800	50RB#0	0.15~30	-66.37	PASS
Band7	10MHz	QPSK	20800	50RB#0	30~1000	-62.05	PASS
Band7	10MHz	QPSK	20800	50RB#0	1000~20000	-37.82	PASS
Band7	10MHz	QPSK	20800	50RB#0	20000~27000	-31.61	PASS
Band7	10MHz	QPSK	21100	50RB#0	0.009~0.15	-74.28	PASS

Band7	10MHz	QPSK	21100	50RB#0	0.15~30	-64.06	PASS
Band7	10MHz	QPSK	21100	50RB#0	30~1000	-61.96	PASS
Band7	10MHz	QPSK	21100	50RB#0	1000~20000	-38.10	PASS
Band7	10MHz	QPSK	21100	50RB#0	20000~27000	-31.07	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.009~0.15	-71.67	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.15~30	-63.51	PASS
Band7	10MHz	QPSK	21400	50RB#0	30~1000	-61.85	PASS
Band7	10MHz	QPSK	21400	50RB#0	1000~20000	-37.30	PASS
Band7	10MHz	QPSK	21400	50RB#0	20000~27000	-31.16	PASS
Band7	10MHz	16QAM	20800	50RB#0	0.009~0.15	-73.20	PASS
Band7	10MHz	16QAM	20800	50RB#0	0.15~30	-63.63	PASS
Band7	10MHz	16QAM	20800	50RB#0	30~1000	-61.98	PASS
Band7	10MHz	16QAM	20800	50RB#0	1000~20000	-37.78	PASS
Band7	10MHz	16QAM	20800	50RB#0	20000~27000	-31.56	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.009~0.15	-74.07	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.15~30	-61.73	PASS
Band7	10MHz	16QAM	21100	50RB#0	30~1000	-61.94	PASS
Band7	10MHz	16QAM	21100	50RB#0	1000~20000	-37.98	PASS
Band7	10MHz	16QAM	21100	50RB#0	20000~27000	-31.52	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.009~0.15	-70.47	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.15~30	-64.18	PASS
Band7	10MHz	16QAM	21400	50RB#0	30~1000	-61.86	PASS
Band7	10MHz	16QAM	21400	50RB#0	1000~20000	-36.96	PASS
Band7	10MHz	16QAM	21400	50RB#0	20000~27000	-31.25	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.009~0.15	-74.34	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.15~30	-62.96	PASS
Band7	15MHz	QPSK	20825	75RB#0	30~1000	-62.01	PASS
Band7	15MHz	QPSK	20825	75RB#0	1000~20000	-37.59	PASS
Band7	15MHz	QPSK	20825	75RB#0	20000~27000	-31.39	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.009~0.15	-71.21	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.15~30	-65.22	PASS
Band7	15MHz	QPSK	21100	75RB#0	30~1000	-61.86	PASS
Band7	15MHz	QPSK	21100	75RB#0	1000~20000	-37.91	PASS
Band7	15MHz	QPSK	21100	75RB#0	20000~27000	-31.33	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.009~0.15	-71.42	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.15~30	-61.35	PASS
Band7	15MHz	QPSK	21375	75RB#0	30~1000	-61.99	PASS
Band7	15MHz	QPSK	21375	75RB#0	1000~20000	-37.95	PASS
Band7	15MHz	QPSK	21375	75RB#0	20000~27000	-31.42	PASS
Band7	15MHz	16QAM	20825	75RB#0	0.009~0.15	-72.79	PASS
Band7	15MHz	16QAM	20825	75RB#0	0.15~30	-62.16	PASS
Band7	15MHz	16QAM	20825	75RB#0	30~1000	-62.05	PASS
Band7	15MHz	16QAM	20825	75RB#0	1000~20000	-38.07	PASS

Band7	15MHz	16QAM	20825	75RB#0	20000~27000	-31.41	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.009~0.15	-72.63	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.15~30	-63.44	PASS
Band7	15MHz	16QAM	21100	75RB#0	30~1000	-61.97	PASS
Band7	15MHz	16QAM	21100	75RB#0	1000~20000	-37.73	PASS
Band7	15MHz	16QAM	21100	75RB#0	20000~27000	-31.43	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.009~0.15	-72.23	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.15~30	-61.46	PASS
Band7	15MHz	16QAM	21375	75RB#0	30~1000	-61.85	PASS
Band7	15MHz	16QAM	21375	75RB#0	1000~20000	-37.45	PASS
Band7	15MHz	16QAM	21375	75RB#0	20000~27000	-31.24	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.009~0.15	-69.28	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.15~30	-63.30	PASS
Band7	20MHz	QPSK	20850	100RB#0	30~1000	-61.75	PASS
Band7	20MHz	QPSK	20850	100RB#0	1000~20000	-37.79	PASS
Band7	20MHz	QPSK	20850	100RB#0	20000~27000	-31.50	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.009~0.15	-73.43	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.15~30	-63.23	PASS
Band7	20MHz	QPSK	21100	100RB#0	30~1000	-61.99	PASS
Band7	20MHz	QPSK	21100	100RB#0	1000~20000	-38.09	PASS
Band7	20MHz	QPSK	21100	100RB#0	20000~27000	-31.46	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.009~0.15	-72.64	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.15~30	-64.45	PASS
Band7	20MHz	QPSK	21350	100RB#0	30~1000	-61.97	PASS
Band7	20MHz	QPSK	21350	100RB#0	1000~20000	-38.22	PASS
Band7	20MHz	QPSK	21350	100RB#0	20000~27000	-31.49	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.009~0.15	-72.53	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.15~30	-63.28	PASS
Band7	20MHz	16QAM	20850	100RB#0	30~1000	-61.98	PASS
Band7	20MHz	16QAM	20850	100RB#0	1000~20000	-38.01	PASS
Band7	20MHz	16QAM	20850	100RB#0	20000~27000	-31.34	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.009~0.15	-74.37	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.15~30	-65.77	PASS
Band7	20MHz	16QAM	21100	100RB#0	30~1000	-61.88	PASS
Band7	20MHz	16QAM	21100	100RB#0	1000~20000	-37.84	PASS
Band7	20MHz	16QAM	21100	100RB#0	20000~27000	-31.31	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.009~0.15	-74.53	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.15~30	-63.31	PASS
Band7	20MHz	16QAM	21350	100RB#0	30~1000	-62.17	PASS
Band7	20MHz	16QAM	21350	100RB#0	1000~20000	-38.11	PASS
Band7	20MHz	16QAM	21350	100RB#0	20000~27000	-31.62	PASS

Test Graphs

