

FCC Appendix RF Test Data for LTE Band 7

FCC ID : **R38YLCPK23**

Company : **Yulong Computer Telecommunication Scientific
(Shenzhen) Co., Ltd**

EUT : **Smart Phone**

Model Number : **K23**

Report No. : **CTA26032500706**

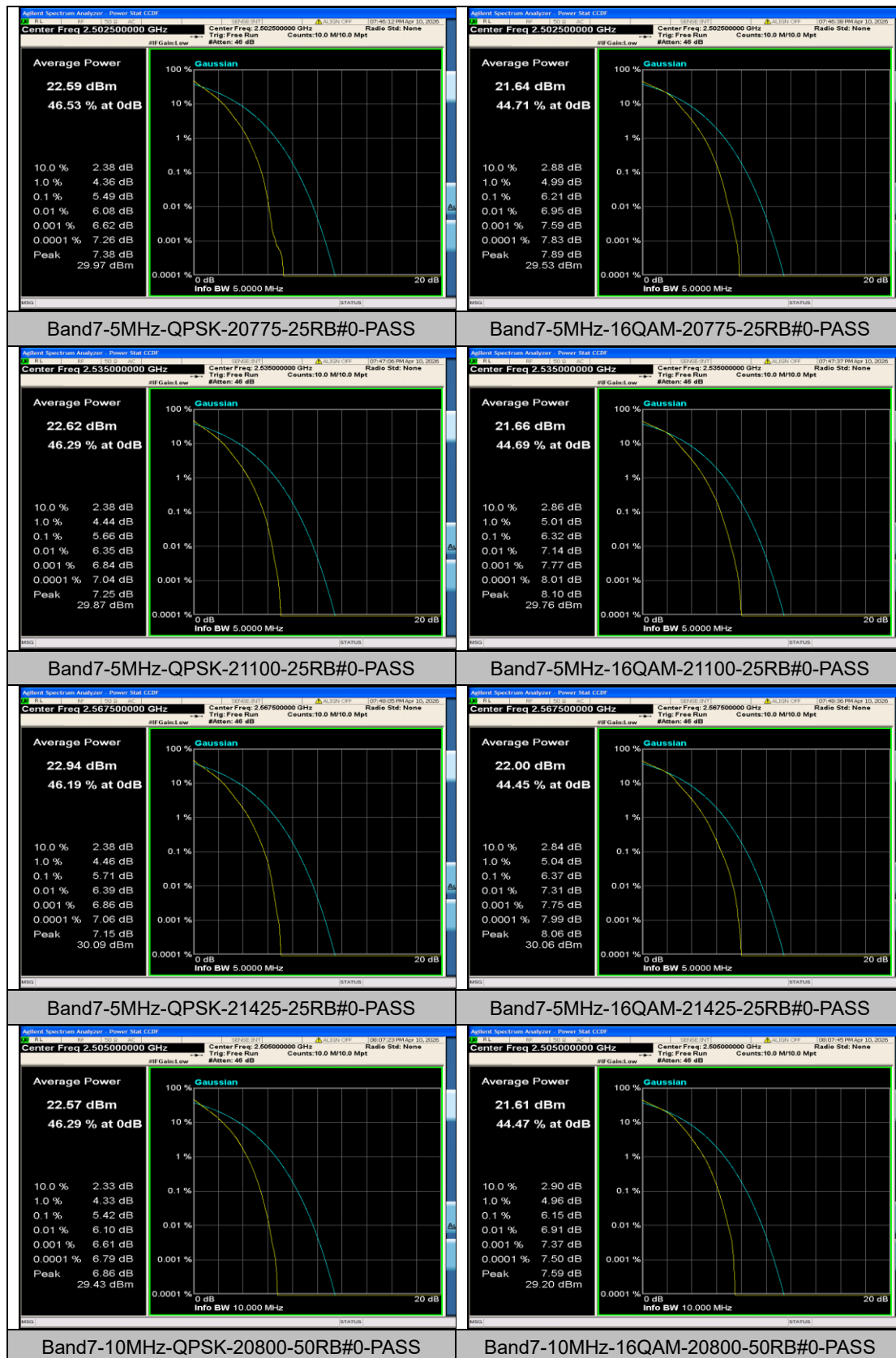
Reviewed By : **Eric Wang**

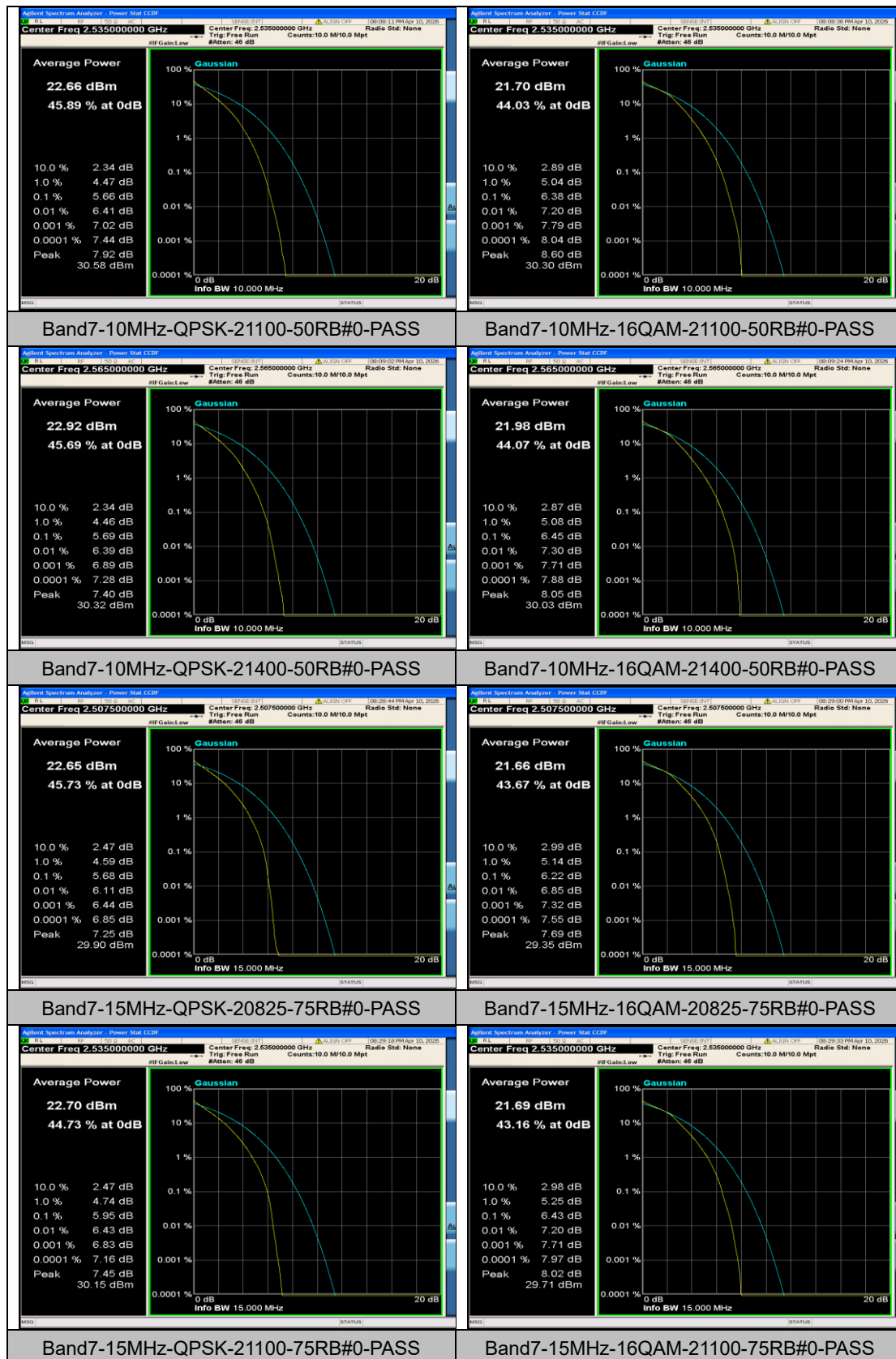
Appendix A: Peak-to-Average Ratio(CCDF)

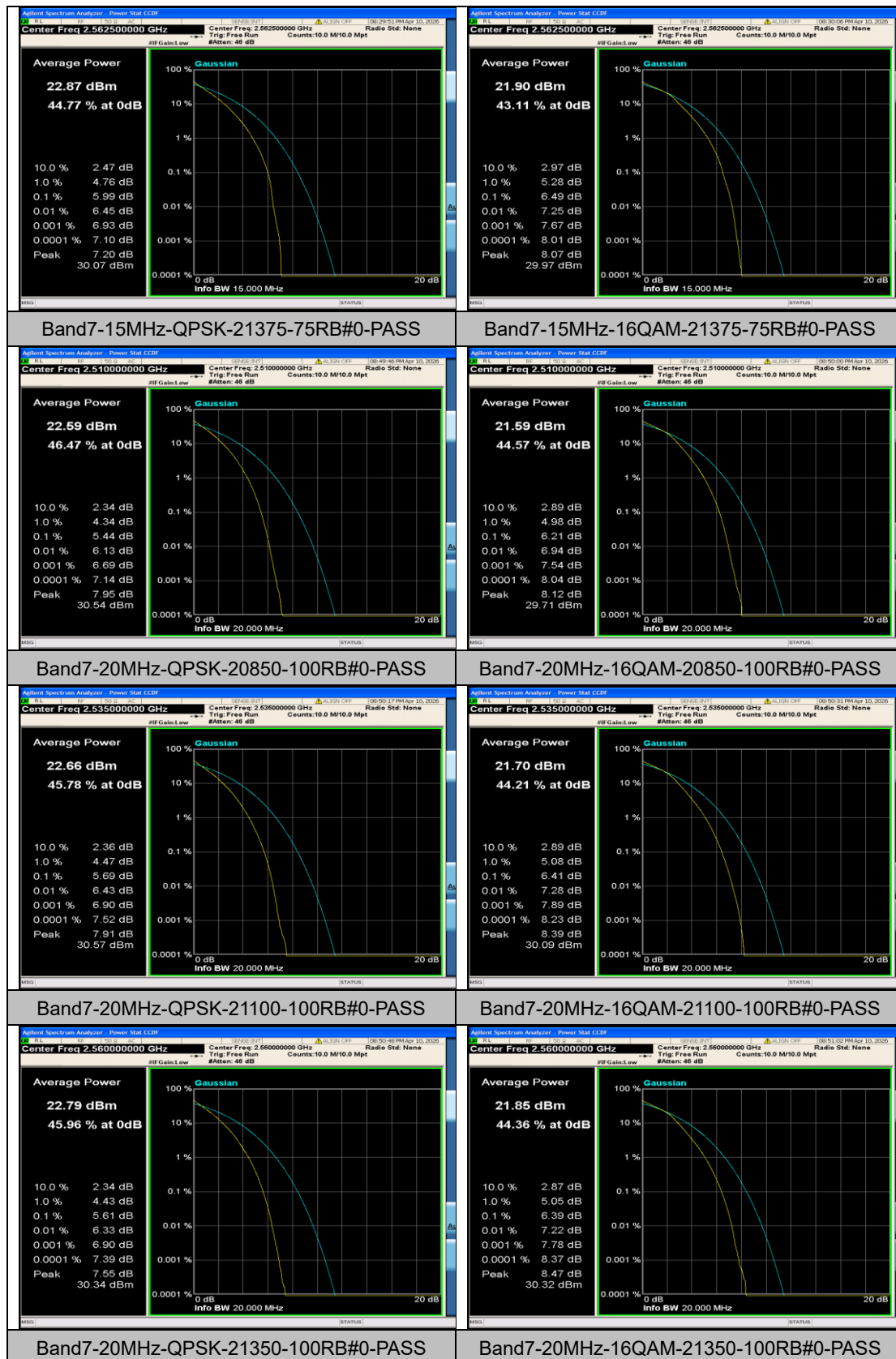
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	5.49	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	6.21	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.66	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.32	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.71	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.37	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.42	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	6.15	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.66	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.38	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.69	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	6.45	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.68	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.22	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.95	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.43	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.99	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.49	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.44	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.21	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.69	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.41	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.61	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.39	13	PASS

Test Graphs





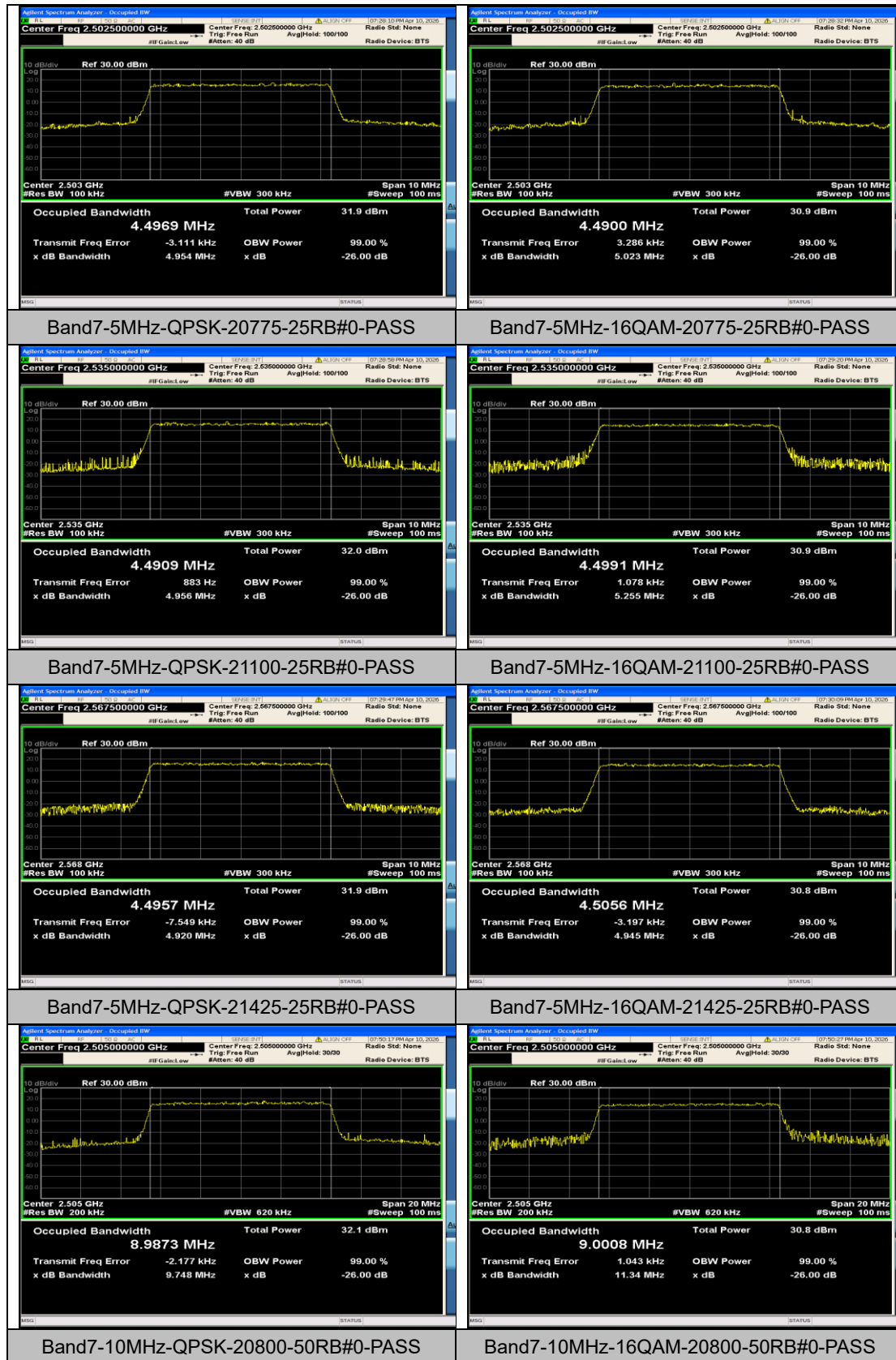


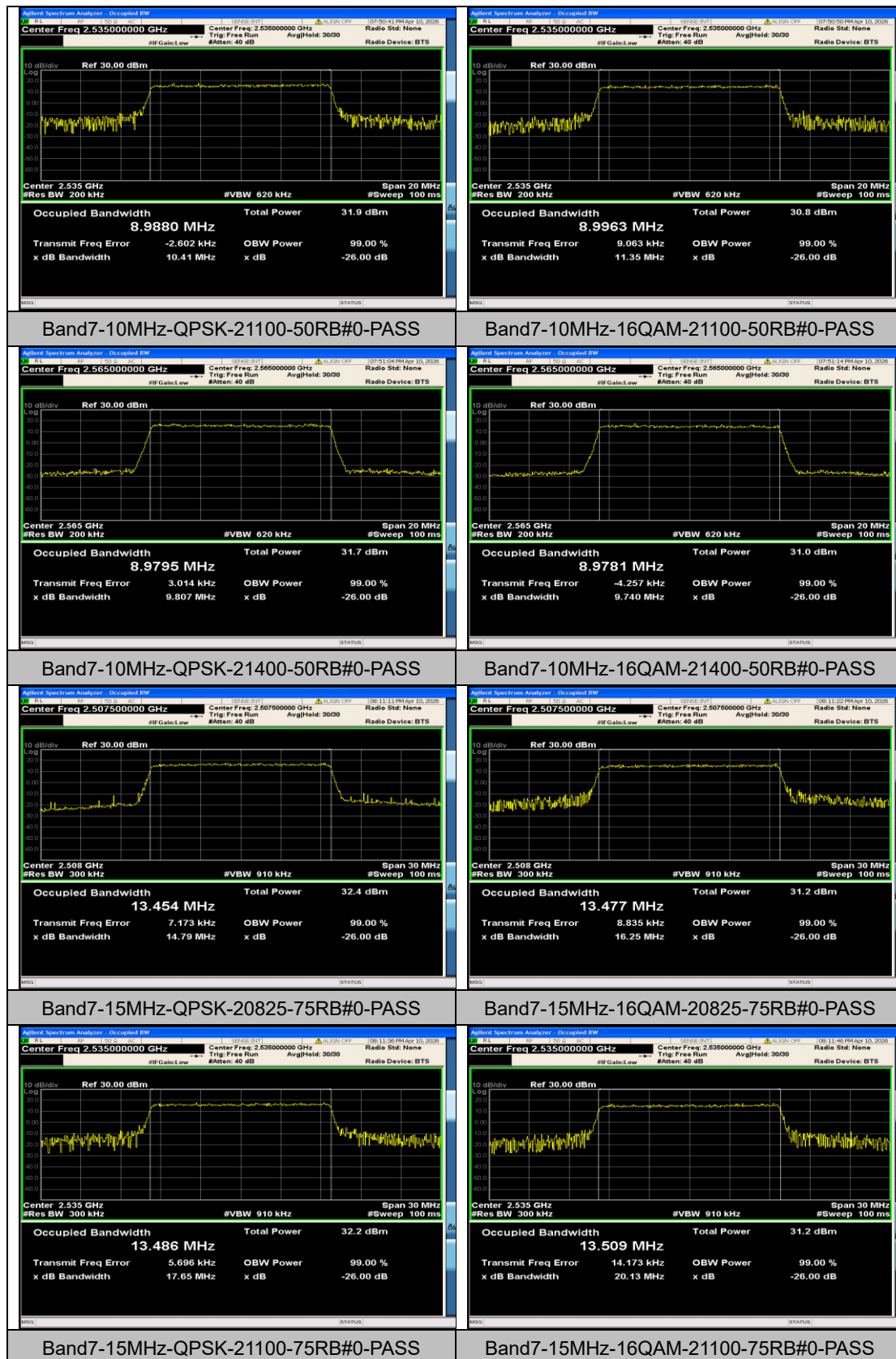
Appendix B: 26dB Bandwidth and Occupied Bandwidth

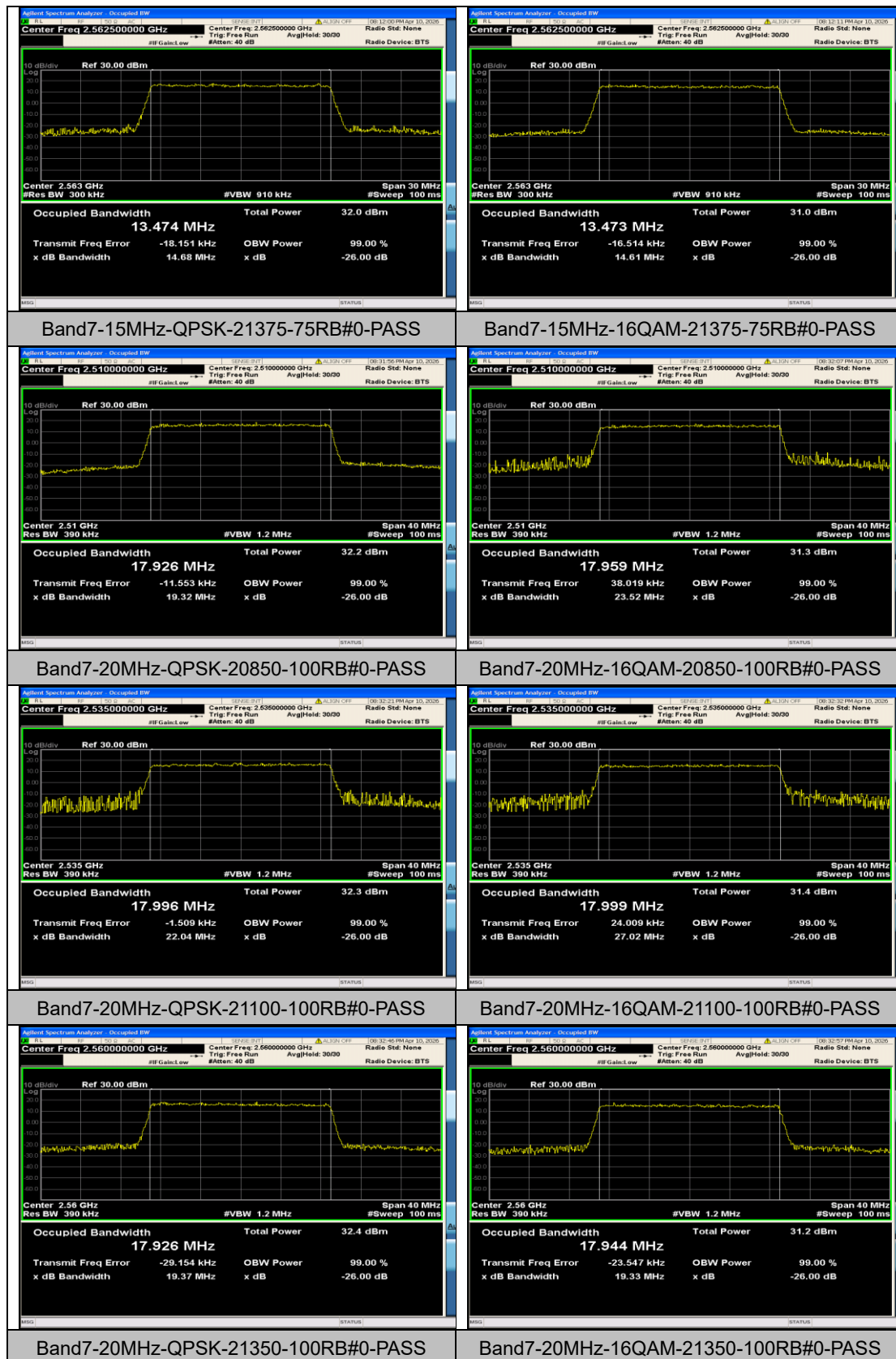
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.4969	4.954	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4900	5.023	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4909	4.956	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.4991	5.255	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.4957	4.920	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5056	4.945	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9873	9.748	PASS
Band7	10MHz	16QAM	20800	50RB#0	9.0008	11.34	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9880	10.41	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9963	11.35	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9795	9.807	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9781	9.740	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.454	14.79	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.477	16.25	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.486	17.65	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.509	20.13	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.474	14.68	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.473	14.61	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.926	19.32	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.959	23.52	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.996	22.04	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.999	27.02	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.926	19.37	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.944	19.33	PASS

Test Graphs





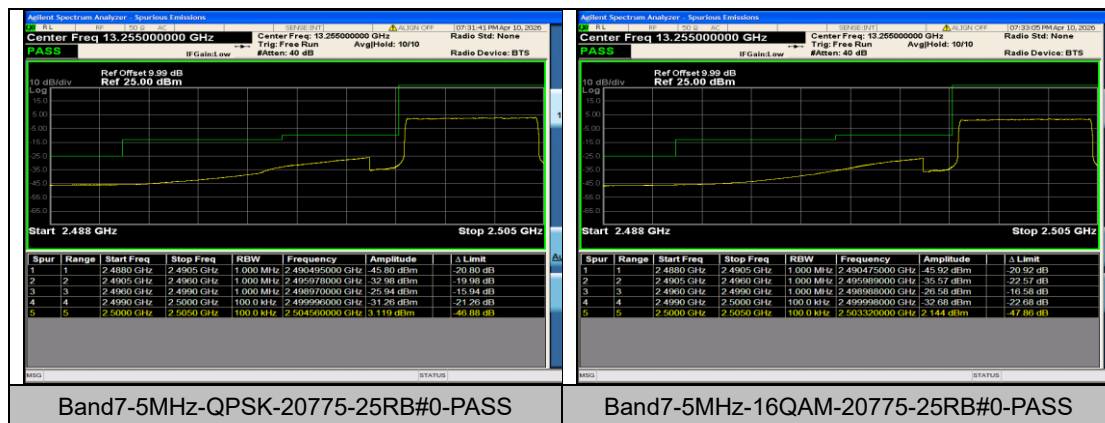


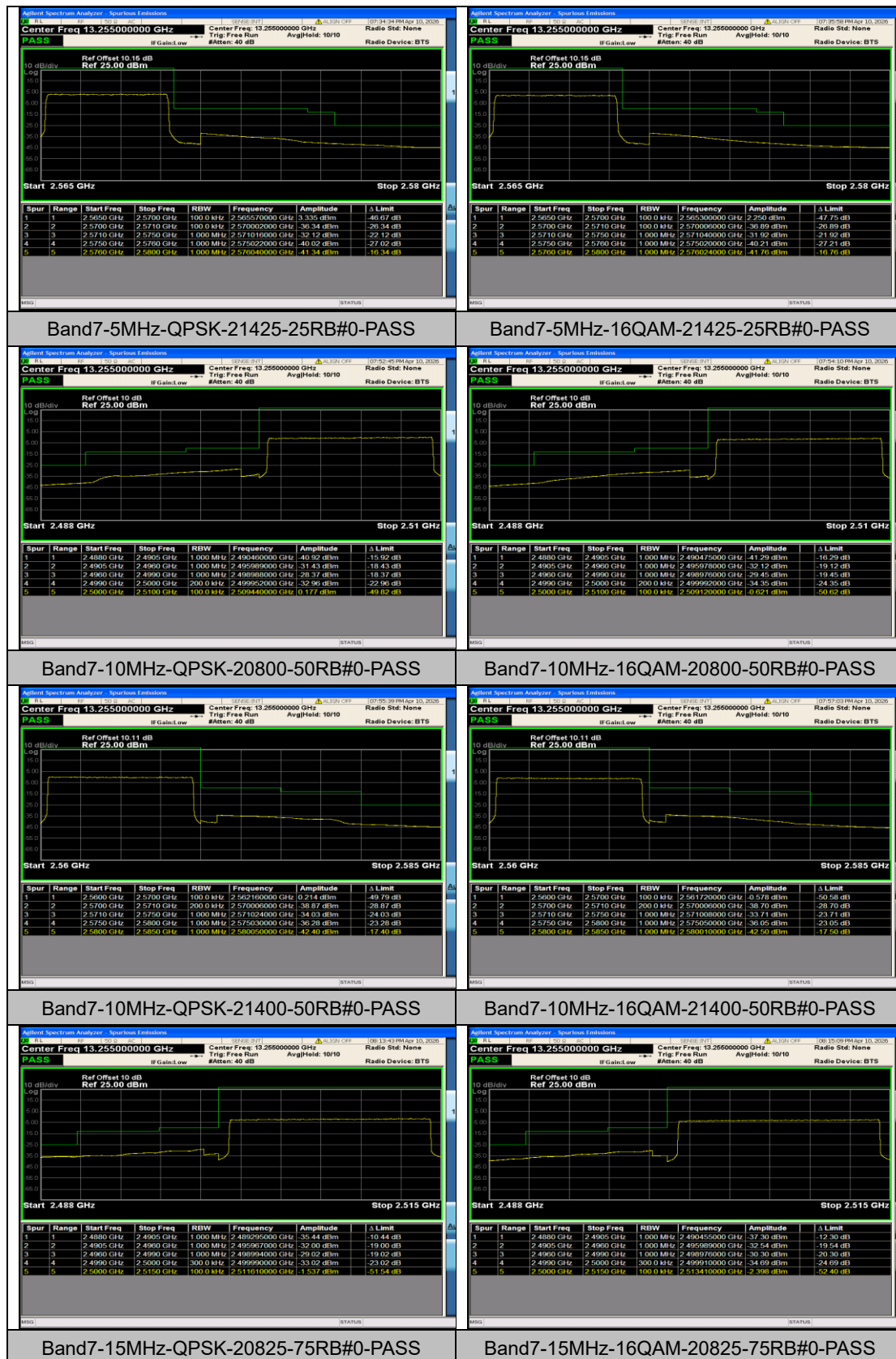
Appendix C: Band Edge

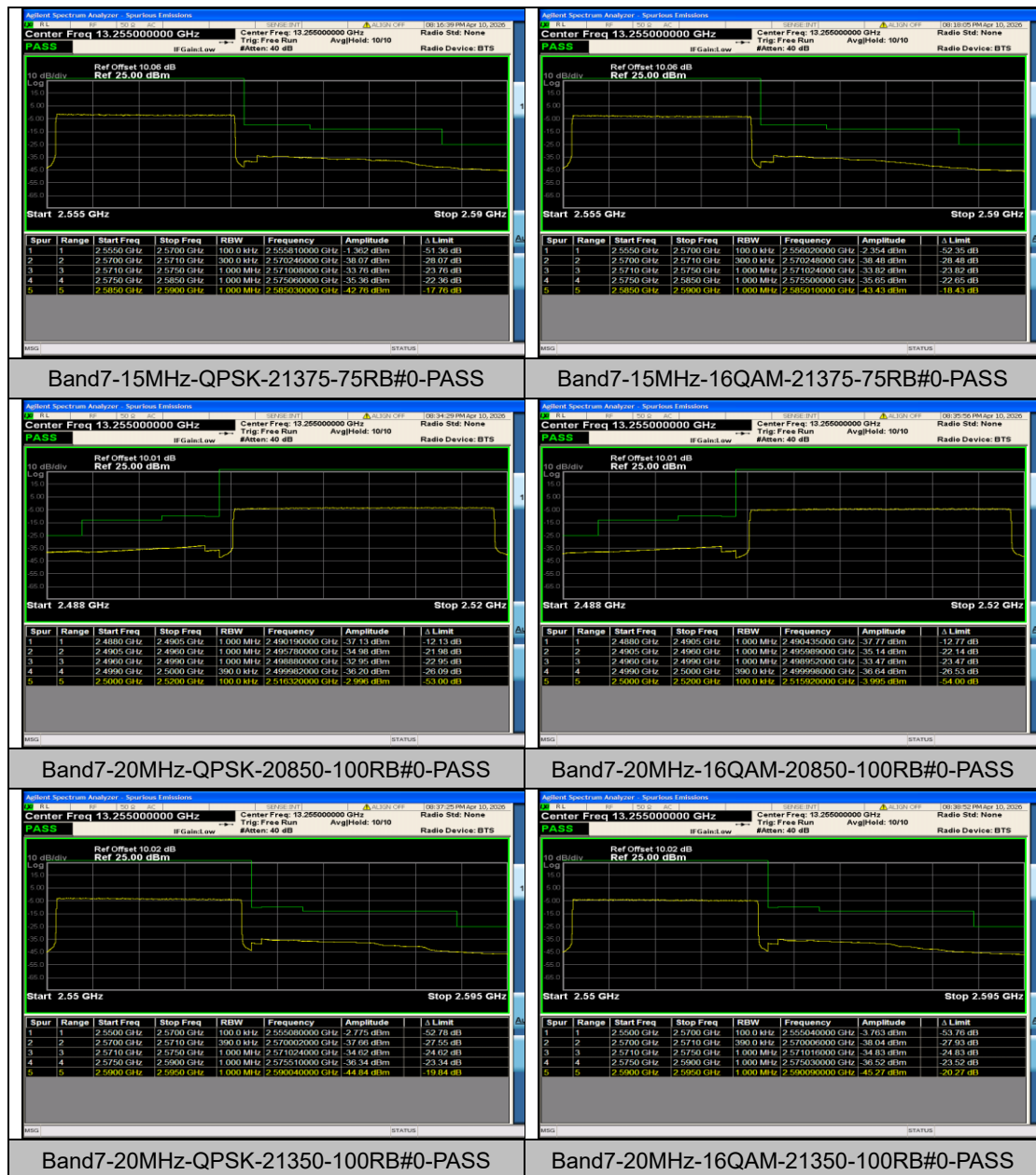
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	-25.94	PASS
Band7	5MHz	16QAM	20775	25RB#0	-26.58	PASS
Band7	5MHz	QPSK	21425	25RB#0	-41.34	PASS
Band7	5MHz	16QAM	21425	25RB#0	-41.76	PASS
Band7	10MHz	QPSK	20800	50RB#0	-40.92	PASS
Band7	10MHz	16QAM	20800	50RB#0	-41.29	PASS
Band7	10MHz	QPSK	21400	50RB#0	-42.40	PASS
Band7	10MHz	16QAM	21400	50RB#0	-42.50	PASS
Band7	15MHz	QPSK	20825	75RB#0	-35.44	PASS
Band7	15MHz	16QAM	20825	75RB#0	-37.30	PASS
Band7	15MHz	QPSK	21375	75RB#0	-42.76	PASS
Band7	15MHz	16QAM	21375	75RB#0	-43.43	PASS
Band7	20MHz	QPSK	20850	100RB#0	-37.13	PASS
Band7	20MHz	16QAM	20850	100RB#0	-37.77	PASS
Band7	20MHz	QPSK	21350	100RB#0	-44.84	PASS
Band7	20MHz	16QAM	21350	100RB#0	-45.27	PASS

Test Graphs







Appendix D: 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	-70.42	PASS
Band7	5MHz	QPSK	20775	25RB#0	0.15~30	-61.57	PASS
Band7	5MHz	QPSK	20775	25RB#0	30~1000	-58.90	PASS
Band7	5MHz	QPSK	20775	25RB#0	1000~3000	-47.06	PASS
Band7	5MHz	QPSK	20775	25RB#0	3000~18000	-38.75	PASS
Band7	5MHz	QPSK	20775	25RB#0	18000~26000	-32.18	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.009~0.15	-69.49	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.15~30	-61.39	PASS
Band7	5MHz	16QAM	20775	25RB#0	30~1000	-58.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	1000~3000	-47.07	PASS
Band7	5MHz	16QAM	20775	25RB#0	3000~18000	-38.70	PASS
Band7	5MHz	16QAM	20775	25RB#0	18000~26000	-32.15	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.009~0.15	-68.99	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.15~30	-63.32	PASS
Band7	5MHz	QPSK	21100	25RB#0	30~1000	-58.42	PASS
Band7	5MHz	QPSK	21100	25RB#0	1000~3000	-48.02	PASS
Band7	5MHz	QPSK	21100	25RB#0	3000~18000	-37.88	PASS
Band7	5MHz	QPSK	21100	25RB#0	18000~26000	-31.35	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.009~0.15	-70.04	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.15~30	-62.28	PASS
Band7	5MHz	16QAM	21100	25RB#0	30~1000	-58.10	PASS
Band7	5MHz	16QAM	21100	25RB#0	1000~3000	-47.71	PASS
Band7	5MHz	16QAM	21100	25RB#0	3000~18000	-38.71	PASS
Band7	5MHz	16QAM	21100	25RB#0	18000~26000	-31.72	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.009~0.15	-68.65	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.15~30	-62.26	PASS
Band7	5MHz	QPSK	21425	25RB#0	30~1000	-58.48	PASS
Band7	5MHz	QPSK	21425	25RB#0	1000~3000	-43.79	PASS
Band7	5MHz	QPSK	21425	25RB#0	3000~18000	-38.37	PASS
Band7	5MHz	QPSK	21425	25RB#0	18000~26000	-32.12	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.009~0.15	-69.60	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.15~30	-63.20	PASS
Band7	5MHz	16QAM	21425	25RB#0	30~1000	-58.09	PASS
Band7	5MHz	16QAM	21425	25RB#0	1000~3000	-45.16	PASS
Band7	5MHz	16QAM	21425	25RB#0	3000~18000	-38.46	PASS
Band7	5MHz	16QAM	21425	25RB#0	18000~26000	-31.86	PASS

Band7	10MHz	QPSK	20800	50RB#0	0.009~0.15	-69.77	PASS
Band7	10MHz	QPSK	20800	50RB#0	0.15~30	-61.83	PASS
Band7	10MHz	QPSK	20800	50RB#0	30~1000	-58.04	PASS
Band7	10MHz	QPSK	20800	50RB#0	1000~3000	-41.67	PASS
Band7	10MHz	QPSK	20800	50RB#0	3000~18000	-38.13	PASS
Band7	10MHz	QPSK	20800	50RB#0	18000~26000	-32.17	PASS
Band7	10MHz	16QAM	20800	50RB#0	0.009~0.15	-69.98	PASS
Band7	10MHz	16QAM	20800	50RB#0	0.15~30	-62.62	PASS
Band7	10MHz	16QAM	20800	50RB#0	30~1000	-58.14	PASS
Band7	10MHz	16QAM	20800	50RB#0	1000~3000	-48.05	PASS
Band7	10MHz	16QAM	20800	50RB#0	3000~18000	-38.64	PASS
Band7	10MHz	16QAM	20800	50RB#0	18000~26000	-31.98	PASS
Band7	10MHz	QPSK	21100	50RB#0	0.009~0.15	-68.40	PASS
Band7	10MHz	QPSK	21100	50RB#0	0.15~30	-64.35	PASS
Band7	10MHz	QPSK	21100	50RB#0	30~1000	-58.26	PASS
Band7	10MHz	QPSK	21100	50RB#0	1000~3000	-45.47	PASS
Band7	10MHz	QPSK	21100	50RB#0	3000~18000	-37.62	PASS
Band7	10MHz	QPSK	21100	50RB#0	18000~26000	-31.95	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.009~0.15	-70.40	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.15~30	-61.59	PASS
Band7	10MHz	16QAM	21100	50RB#0	30~1000	-58.56	PASS
Band7	10MHz	16QAM	21100	50RB#0	1000~3000	-47.96	PASS
Band7	10MHz	16QAM	21100	50RB#0	3000~18000	-38.40	PASS
Band7	10MHz	16QAM	21100	50RB#0	18000~26000	-31.63	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.009~0.15	-67.13	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.15~30	-61.90	PASS
Band7	10MHz	QPSK	21400	50RB#0	30~1000	-58.51	PASS
Band7	10MHz	QPSK	21400	50RB#0	1000~3000	-45.22	PASS
Band7	10MHz	QPSK	21400	50RB#0	3000~18000	-38.69	PASS
Band7	10MHz	QPSK	21400	50RB#0	18000~26000	-32.11	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.009~0.15	-67.44	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.15~30	-61.31	PASS
Band7	10MHz	16QAM	21400	50RB#0	30~1000	-58.22	PASS
Band7	10MHz	16QAM	21400	50RB#0	1000~3000	-46.25	PASS
Band7	10MHz	16QAM	21400	50RB#0	3000~18000	-38.47	PASS
Band7	10MHz	16QAM	21400	50RB#0	18000~26000	-32.14	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.009~0.15	-71.30	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.15~30	-62.41	PASS
Band7	15MHz	QPSK	20825	75RB#0	30~1000	-57.85	PASS
Band7	15MHz	QPSK	20825	75RB#0	1000~3000	-48.19	PASS
Band7	15MHz	QPSK	20825	75RB#0	3000~18000	-38.68	PASS
Band7	15MHz	QPSK	20825	75RB#0	18000~26000	-32.30	PASS
Band7	15MHz	16QAM	20825	75RB#0	0.009~0.15	-69.84	PASS

Band7	15MHz	16QAM	20825	75RB#0	0.15~30	-62.63	PASS
Band7	15MHz	16QAM	20825	75RB#0	30~1000	-58.62	PASS
Band7	15MHz	16QAM	20825	75RB#0	1000~3000	-48.29	PASS
Band7	15MHz	16QAM	20825	75RB#0	3000~18000	-38.23	PASS
Band7	15MHz	16QAM	20825	75RB#0	18000~26000	-32.36	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.009~0.15	-71.16	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.15~30	-63.21	PASS
Band7	15MHz	QPSK	21100	75RB#0	30~1000	-58.27	PASS
Band7	15MHz	QPSK	21100	75RB#0	1000~3000	-48.08	PASS
Band7	15MHz	QPSK	21100	75RB#0	3000~18000	-38.69	PASS
Band7	15MHz	QPSK	21100	75RB#0	18000~26000	-31.52	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.009~0.15	-69.97	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.15~30	-62.66	PASS
Band7	15MHz	16QAM	21100	75RB#0	30~1000	-57.85	PASS
Band7	15MHz	16QAM	21100	75RB#0	1000~3000	-48.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	3000~18000	-38.28	PASS
Band7	15MHz	16QAM	21100	75RB#0	18000~26000	-32.26	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.009~0.15	-65.64	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.15~30	-62.51	PASS
Band7	15MHz	QPSK	21375	75RB#0	30~1000	-58.34	PASS
Band7	15MHz	QPSK	21375	75RB#0	1000~3000	-45.67	PASS
Band7	15MHz	QPSK	21375	75RB#0	3000~18000	-38.57	PASS
Band7	15MHz	QPSK	21375	75RB#0	18000~26000	-32.20	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.009~0.15	-65.77	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.15~30	-64.79	PASS
Band7	15MHz	16QAM	21375	75RB#0	30~1000	-57.86	PASS
Band7	15MHz	16QAM	21375	75RB#0	1000~3000	-46.91	PASS
Band7	15MHz	16QAM	21375	75RB#0	3000~18000	-38.40	PASS
Band7	15MHz	16QAM	21375	75RB#0	18000~26000	-32.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.009~0.15	-69.58	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.15~30	-62.52	PASS
Band7	20MHz	QPSK	20850	100RB#0	30~1000	-58.22	PASS
Band7	20MHz	QPSK	20850	100RB#0	1000~3000	-48.06	PASS
Band7	20MHz	QPSK	20850	100RB#0	3000~18000	-38.29	PASS
Band7	20MHz	QPSK	20850	100RB#0	18000~26000	-32.14	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.009~0.15	-69.69	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.15~30	-61.07	PASS
Band7	20MHz	16QAM	20850	100RB#0	30~1000	-58.76	PASS
Band7	20MHz	16QAM	20850	100RB#0	1000~3000	-48.14	PASS
Band7	20MHz	16QAM	20850	100RB#0	3000~18000	-38.44	PASS
Band7	20MHz	16QAM	20850	100RB#0	18000~26000	-31.99	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.009~0.15	-70.42	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.15~30	-61.87	PASS

Band7	20MHz	QPSK	21100	100RB#0	30~1000	-58.03	PASS
Band7	20MHz	QPSK	21100	100RB#0	1000~3000	-48.09	PASS
Band7	20MHz	QPSK	21100	100RB#0	3000~18000	-38.24	PASS
Band7	20MHz	QPSK	21100	100RB#0	18000~26000	-31.90	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.009~0.15	-69.67	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.15~30	-63.05	PASS
Band7	20MHz	16QAM	21100	100RB#0	30~1000	-58.11	PASS
Band7	20MHz	16QAM	21100	100RB#0	1000~3000	-48.16	PASS
Band7	20MHz	16QAM	21100	100RB#0	3000~18000	-38.87	PASS
Band7	20MHz	16QAM	21100	100RB#0	18000~26000	-32.27	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.009~0.15	-66.84	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.15~30	-62.97	PASS
Band7	20MHz	QPSK	21350	100RB#0	30~1000	-58.19	PASS
Band7	20MHz	QPSK	21350	100RB#0	1000~3000	-47.94	PASS
Band7	20MHz	QPSK	21350	100RB#0	3000~18000	-38.88	PASS
Band7	20MHz	QPSK	21350	100RB#0	18000~26000	-32.18	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.009~0.15	-66.43	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.15~30	-62.38	PASS
Band7	20MHz	16QAM	21350	100RB#0	30~1000	-57.94	PASS
Band7	20MHz	16QAM	21350	100RB#0	1000~3000	-48.23	PASS
Band7	20MHz	16QAM	21350	100RB#0	3000~18000	-38.77	PASS
Band7	20MHz	16QAM	21350	100RB#0	18000~26000	-31.96	PASS

Test Graphs

