

FCC Appendix RF Test Data for LTE Band 38

FCC ID : 2A3DR-AGMN2

Company : AGM MOBILE LIMITED

EUT : 4G smart Phone

Model Number : AGM_NOTE_N2

Report No. : CTA26041102310

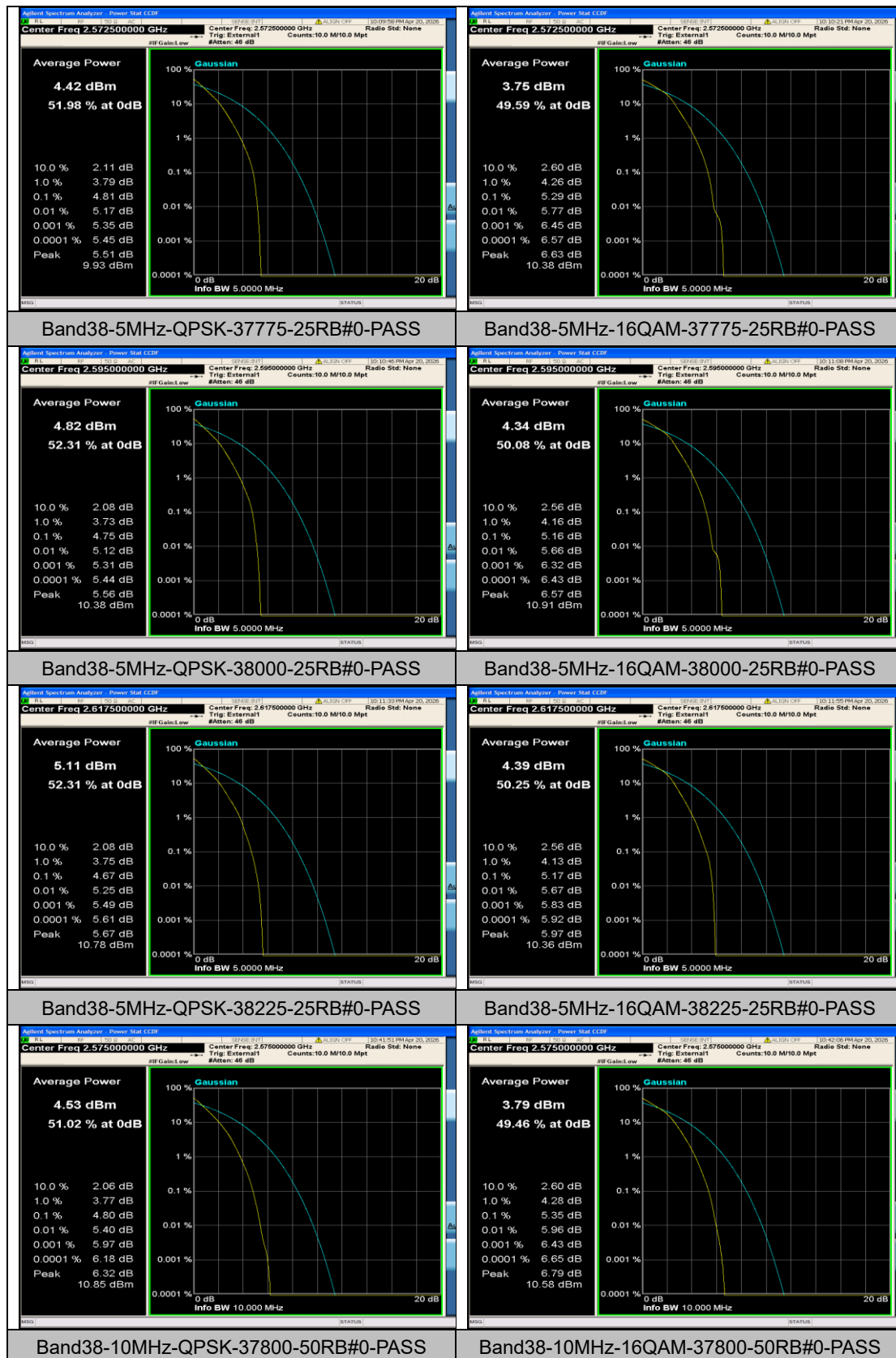
Reviewed By : Eric Wang

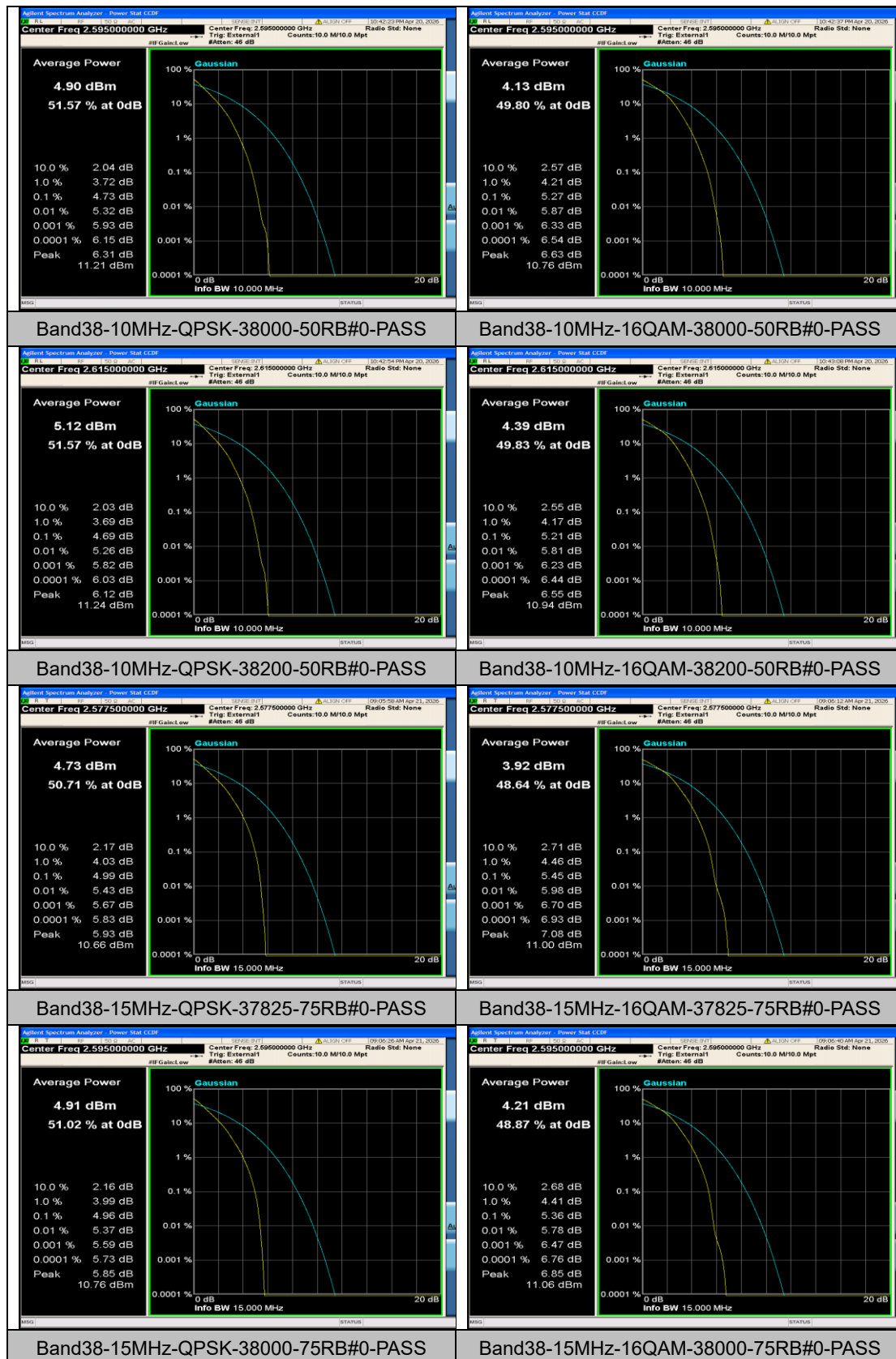
Appendix A: Peak-to-Average Ratio(CCDF)

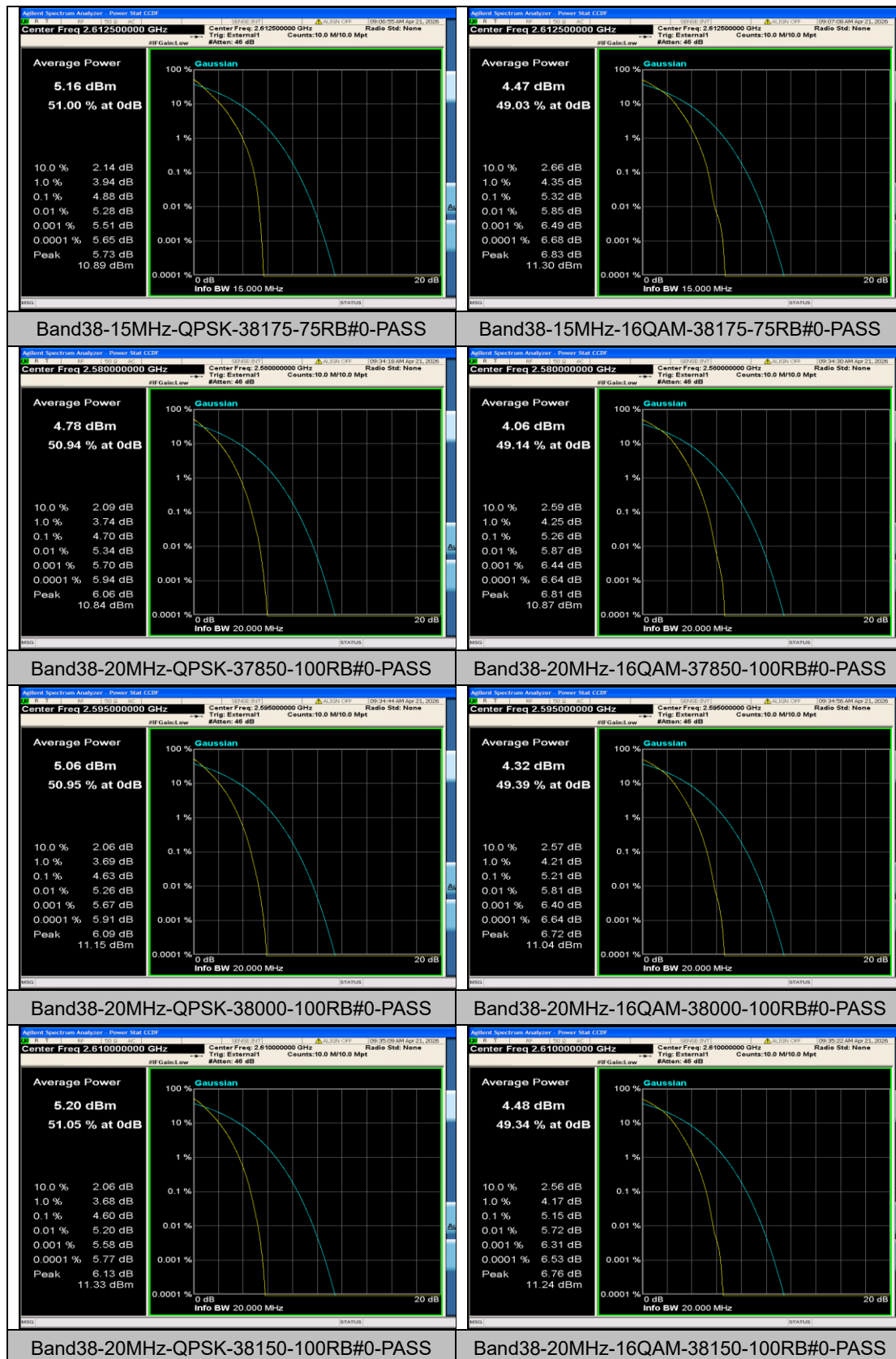
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.81	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	5.29	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.75	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	5.16	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.67	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	5.17	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	4.80	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	5.35	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	4.73	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	5.27	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	4.69	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	5.21	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	4.99	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	5.45	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	4.96	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	5.36	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	4.88	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	5.32	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	4.70	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	5.26	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	4.63	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	5.21	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	4.60	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	5.15	13	PASS

Test Graphs





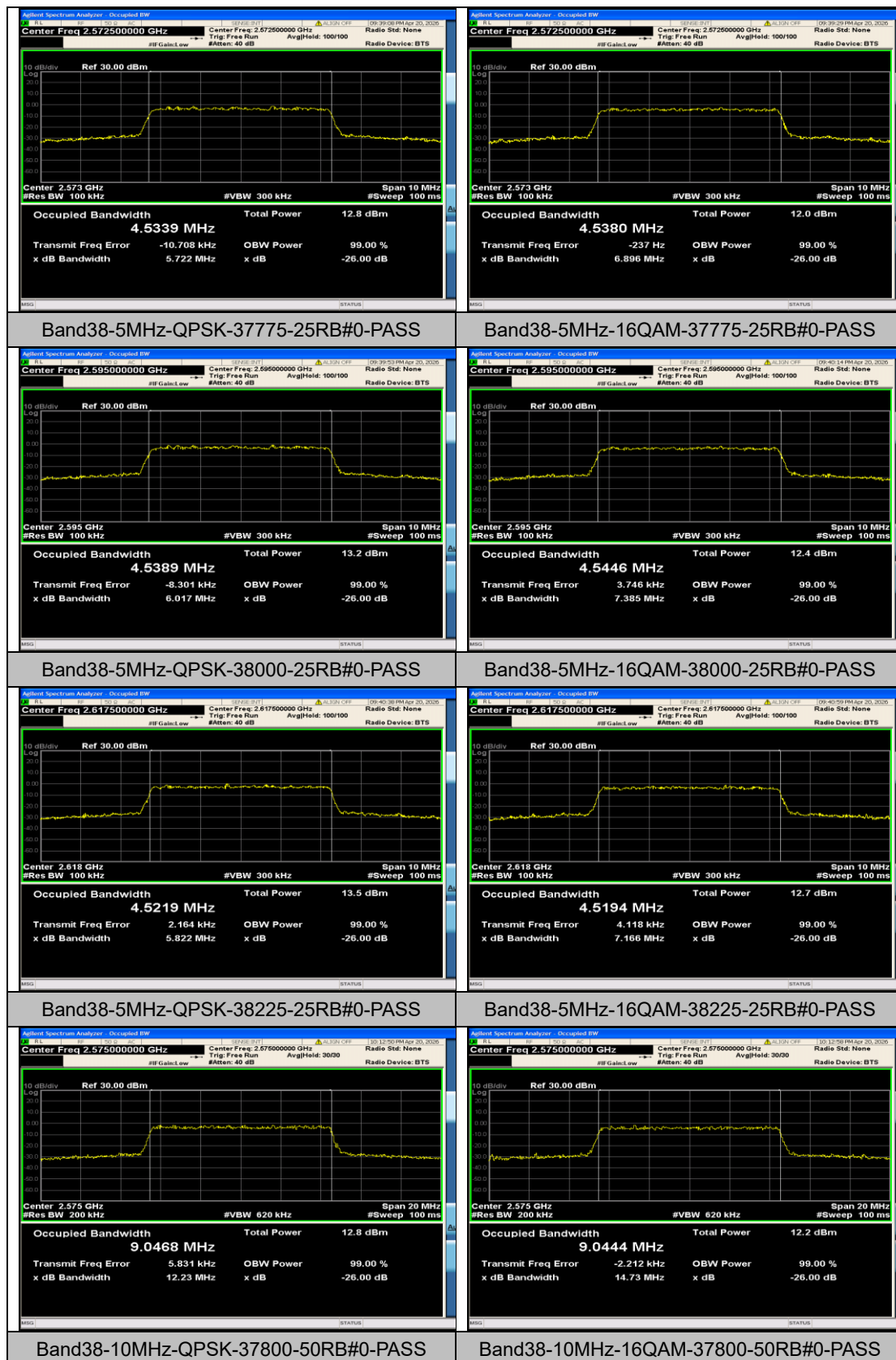


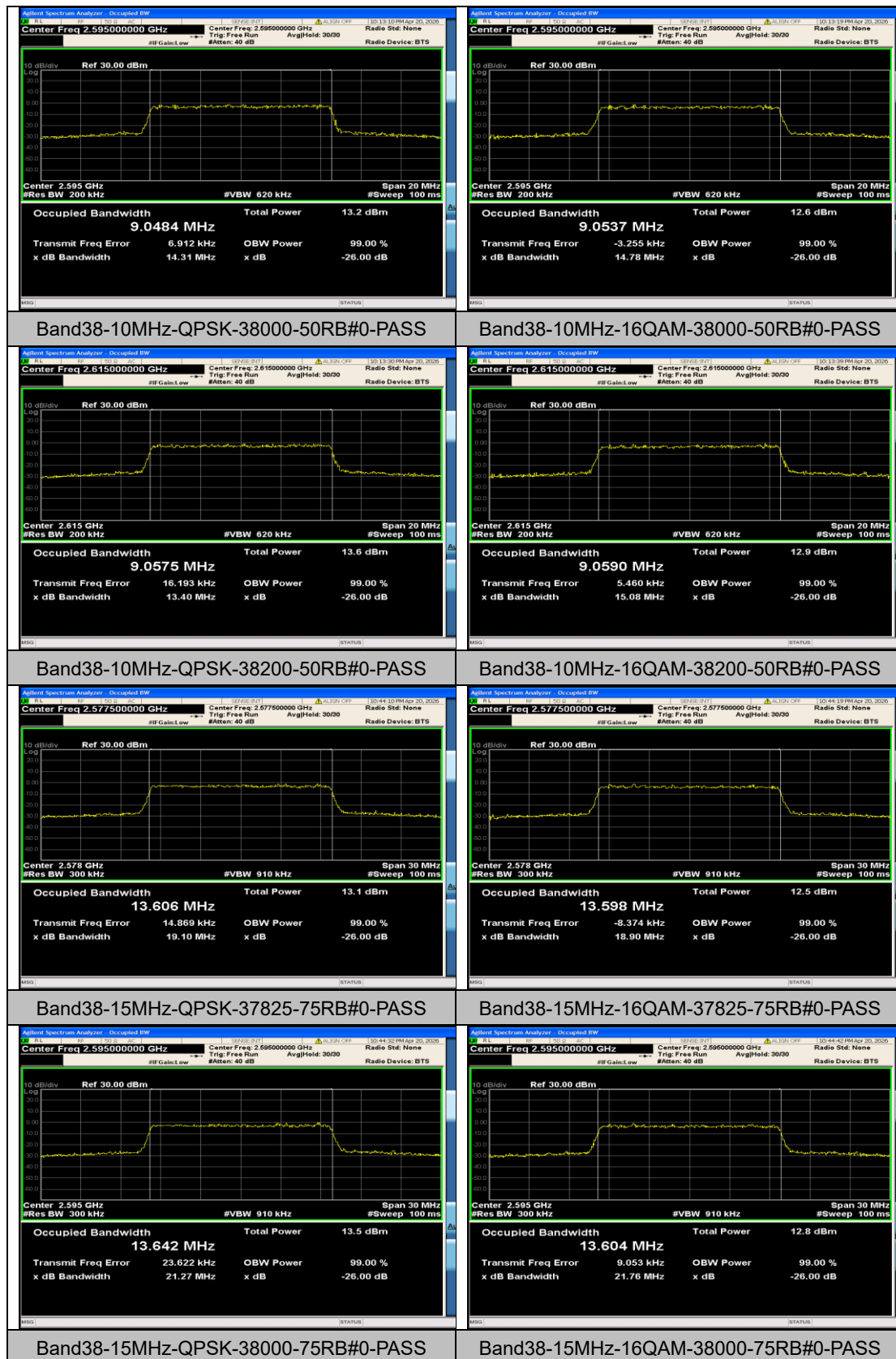
Appendix B: 26dB Bandwidth and Occupied Bandwidth

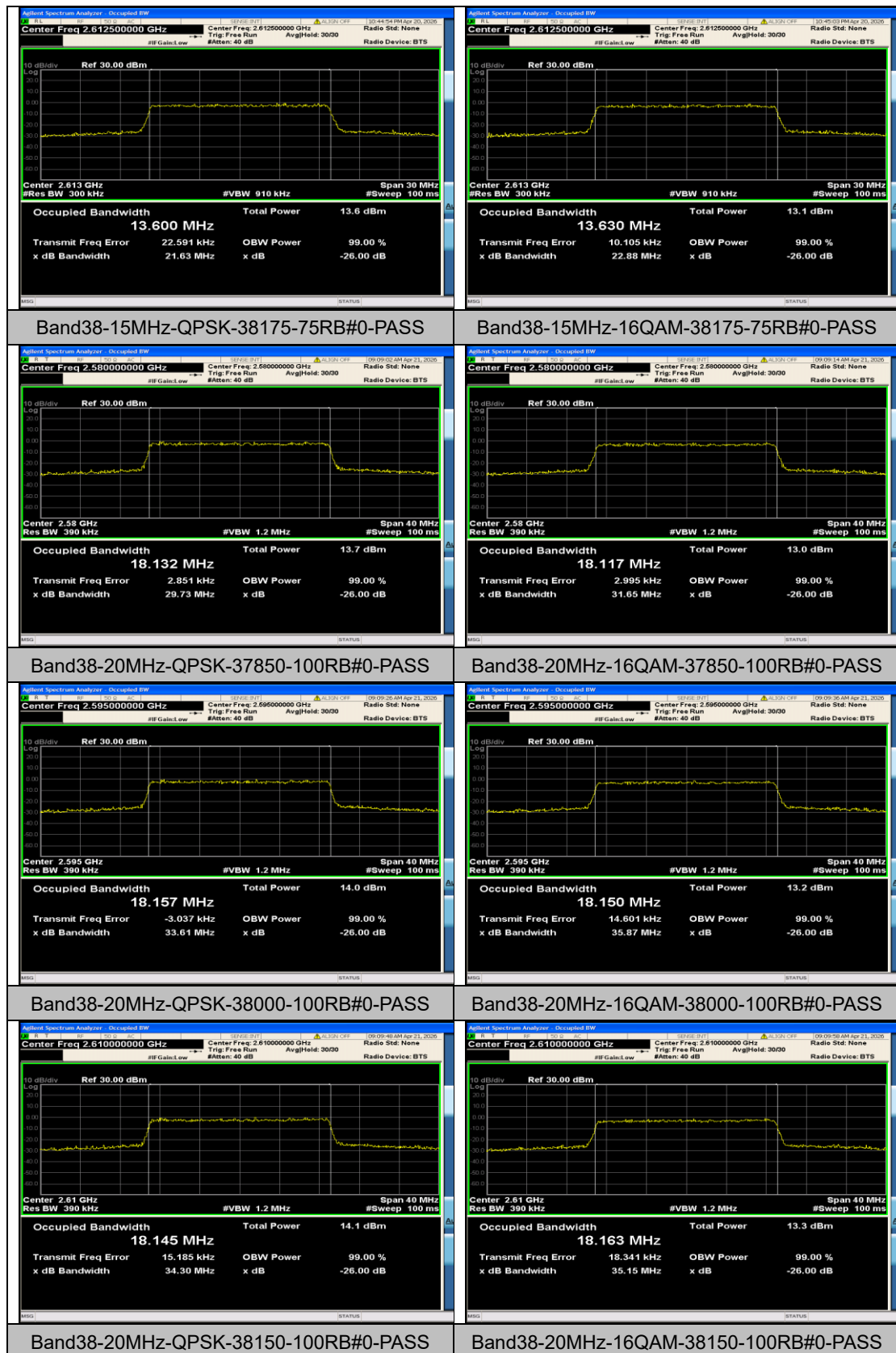
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.5339	5.722	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.5380	6.896	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5389	6.017	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.5446	7.385	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.5219	5.822	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.5194	7.166	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.0468	12.23	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.0444	14.73	PASS
Band38	10MHz	QPSK	38000	50RB#0	9.0484	14.31	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.0537	14.78	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.0575	13.40	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.0590	15.08	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.606	19.10	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.598	18.90	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.642	21.27	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.604	21.76	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.600	21.63	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.630	22.88	PASS
Band38	20MHz	QPSK	37850	100RB#0	18.132	29.73	PASS
Band38	20MHz	16QAM	37850	100RB#0	18.117	31.65	PASS
Band38	20MHz	QPSK	38000	100RB#0	18.157	33.61	PASS
Band38	20MHz	16QAM	38000	100RB#0	18.150	35.87	PASS
Band38	20MHz	QPSK	38150	100RB#0	18.145	34.30	PASS
Band38	20MHz	16QAM	38150	100RB#0	18.163	35.15	PASS

Test Graphs





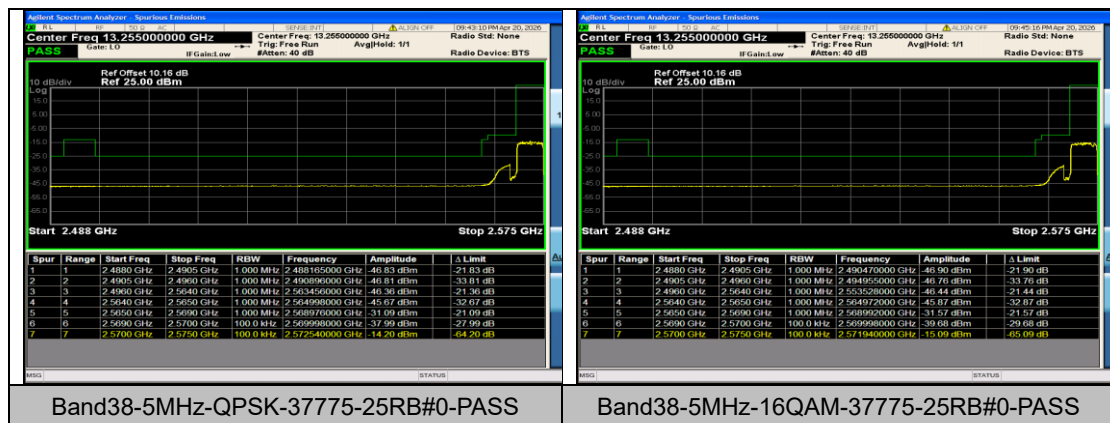


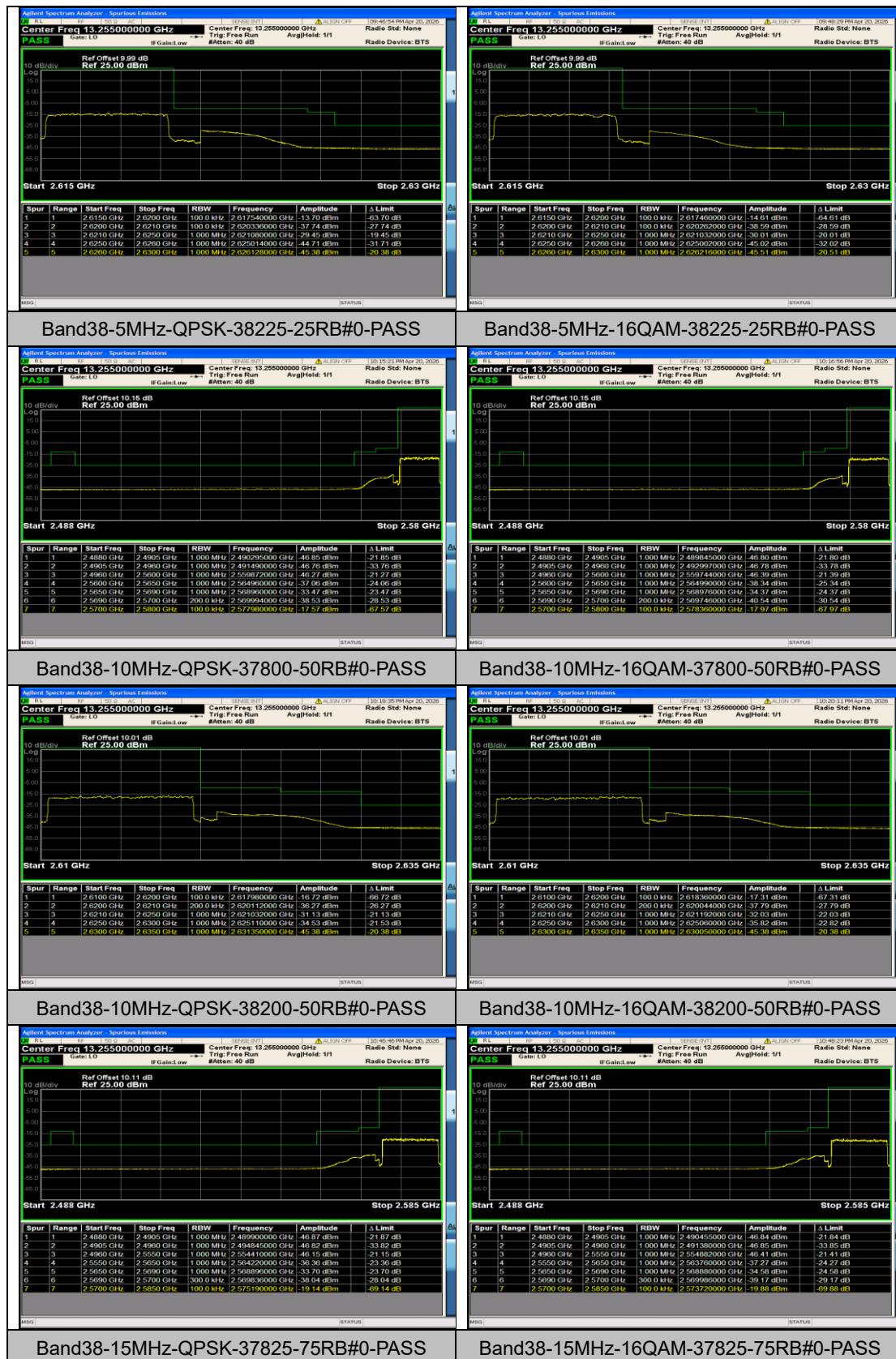
Appendix C: Band Edge

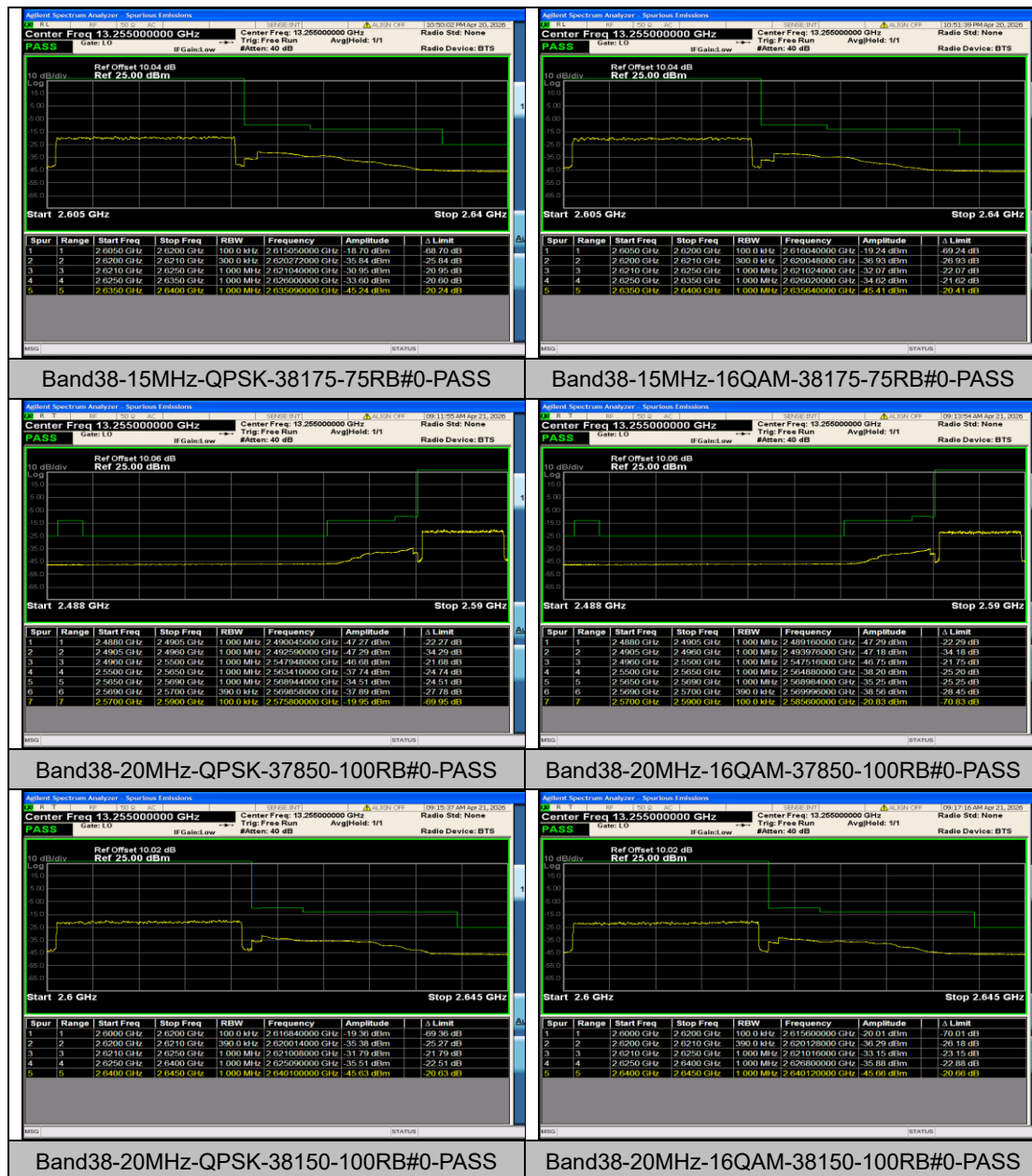
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	-31.09	PASS
Band38	5MHz	16QAM	37775	25RB#0	-46.44	PASS
Band38	5MHz	QPSK	38225	25RB#0	-29.45	PASS
Band38	5MHz	16QAM	38225	25RB#0	-30.01	PASS
Band38	10MHz	QPSK	37800	50RB#0	-46.27	PASS
Band38	10MHz	16QAM	37800	50RB#0	-46.39	PASS
Band38	10MHz	QPSK	38200	50RB#0	-45.38	PASS
Band38	10MHz	16QAM	38200	50RB#0	-45.38	PASS
Band38	15MHz	QPSK	37825	75RB#0	-46.15	PASS
Band38	15MHz	16QAM	37825	75RB#0	-46.41	PASS
Band38	15MHz	QPSK	38175	75RB#0	-45.24	PASS
Band38	15MHz	16QAM	38175	75RB#0	-45.41	PASS
Band38	20MHz	QPSK	37850	100RB#0	-46.68	PASS
Band38	20MHz	16QAM	37850	100RB#0	-46.75	PASS
Band38	20MHz	QPSK	38150	100RB#0	-45.63	PASS
Band38	20MHz	16QAM	38150	100RB#0	-45.66	PASS

Test Graphs







Appendix D: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	0.009~0.15	-70.95	PASS
Band38	5MHz	QPSK	37775	25RB#0	0.15~30	-61.02	PASS
Band38	5MHz	QPSK	37775	25RB#0	30~1000	-58.90	PASS
Band38	5MHz	QPSK	37775	25RB#0	1000~3000	-47.93	PASS
Band38	5MHz	QPSK	37775	25RB#0	3000~18000	-38.63	PASS
Band38	5MHz	QPSK	37775	25RB#0	18000~26500	-32.17	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.009~0.15	-70.87	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.15~30	-61.98	PASS
Band38	5MHz	16QAM	37775	25RB#0	30~1000	-58.86	PASS
Band38	5MHz	16QAM	37775	25RB#0	1000~3000	-47.90	PASS
Band38	5MHz	16QAM	37775	25RB#0	3000~18000	-38.37	PASS
Band38	5MHz	16QAM	37775	25RB#0	18000~26500	-32.08	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.009~0.15	-70.19	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.15~30	-60.93	PASS
Band38	5MHz	QPSK	38000	25RB#0	30~1000	-58.83	PASS
Band38	5MHz	QPSK	38000	25RB#0	1000~3000	-47.86	PASS
Band38	5MHz	QPSK	38000	25RB#0	3000~18000	-38.55	PASS
Band38	5MHz	QPSK	38000	25RB#0	18000~26500	-31.83	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.009~0.15	-71.30	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.15~30	-62.34	PASS
Band38	5MHz	16QAM	38000	25RB#0	30~1000	-58.42	PASS
Band38	5MHz	16QAM	38000	25RB#0	1000~3000	-47.74	PASS
Band38	5MHz	16QAM	38000	25RB#0	3000~18000	-38.78	PASS
Band38	5MHz	16QAM	38000	25RB#0	18000~26500	-31.98	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.009~0.15	-70.31	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.15~30	-60.82	PASS
Band38	5MHz	QPSK	38225	25RB#0	30~1000	-58.94	PASS
Band38	5MHz	QPSK	38225	25RB#0	1000~3000	-47.95	PASS
Band38	5MHz	QPSK	38225	25RB#0	3000~18000	-38.41	PASS
Band38	5MHz	QPSK	38225	25RB#0	18000~26500	-31.53	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.009~0.15	-71.37	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.15~30	-61.63	PASS
Band38	5MHz	16QAM	38225	25RB#0	30~1000	-58.85	PASS
Band38	5MHz	16QAM	38225	25RB#0	1000~3000	-47.66	PASS
Band38	5MHz	16QAM	38225	25RB#0	3000~18000	-38.41	PASS
Band38	5MHz	16QAM	38225	25RB#0	18000~26500	-31.62	PASS

Band38	10MHz	QPSK	37800	50RB#0	0.009~0.15	-69.97	PASS
Band38	10MHz	QPSK	37800	50RB#0	0.15~30	-60.37	PASS
Band38	10MHz	QPSK	37800	50RB#0	30~1000	-58.71	PASS
Band38	10MHz	QPSK	37800	50RB#0	1000~3000	-48.02	PASS
Band38	10MHz	QPSK	37800	50RB#0	3000~18000	-37.96	PASS
Band38	10MHz	QPSK	37800	50RB#0	18000~26500	-31.59	PASS
Band38	10MHz	16QAM	37800	50RB#0	0.009~0.15	-71.27	PASS
Band38	10MHz	16QAM	37800	50RB#0	0.15~30	-60.29	PASS
Band38	10MHz	16QAM	37800	50RB#0	30~1000	-57.34	PASS
Band38	10MHz	16QAM	37800	50RB#0	1000~3000	-47.99	PASS
Band38	10MHz	16QAM	37800	50RB#0	3000~18000	-38.18	PASS
Band38	10MHz	16QAM	37800	50RB#0	18000~26500	-31.72	PASS
Band38	10MHz	QPSK	38000	50RB#0	0.009~0.15	-68.88	PASS
Band38	10MHz	QPSK	38000	50RB#0	0.15~30	-57.81	PASS
Band38	10MHz	QPSK	38000	50RB#0	30~1000	-59.06	PASS
Band38	10MHz	QPSK	38000	50RB#0	1000~3000	-47.93	PASS
Band38	10MHz	QPSK	38000	50RB#0	3000~18000	-38.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	18000~26500	-31.76	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.009~0.15	-69.19	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.15~30	-59.22	PASS
Band38	10MHz	16QAM	38000	50RB#0	30~1000	-58.87	PASS
Band38	10MHz	16QAM	38000	50RB#0	1000~3000	-48.10	PASS
Band38	10MHz	16QAM	38000	50RB#0	3000~18000	-38.26	PASS
Band38	10MHz	16QAM	38000	50RB#0	18000~26500	-32.04	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.009~0.15	-71.02	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.15~30	-62.53	PASS
Band38	10MHz	QPSK	38200	50RB#0	30~1000	-58.73	PASS
Band38	10MHz	QPSK	38200	50RB#0	1000~3000	-47.59	PASS
Band38	10MHz	QPSK	38200	50RB#0	3000~18000	-38.17	PASS
Band38	10MHz	QPSK	38200	50RB#0	18000~26500	-31.42	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.009~0.15	-71.40	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.15~30	-58.34	PASS
Band38	10MHz	16QAM	38200	50RB#0	30~1000	-58.91	PASS
Band38	10MHz	16QAM	38200	50RB#0	1000~3000	-47.87	PASS
Band38	10MHz	16QAM	38200	50RB#0	3000~18000	-38.36	PASS
Band38	10MHz	16QAM	38200	50RB#0	18000~26500	-31.82	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.009~0.15	-71.09	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.15~30	-58.31	PASS
Band38	15MHz	QPSK	37825	75RB#0	30~1000	-58.72	PASS
Band38	15MHz	QPSK	37825	75RB#0	1000~3000	-48.08	PASS
Band38	15MHz	QPSK	37825	75RB#0	3000~18000	-38.25	PASS
Band38	15MHz	QPSK	37825	75RB#0	18000~26500	-31.94	PASS
Band38	15MHz	16QAM	37825	75RB#0	0.009~0.15	-70.24	PASS

Band38	15MHz	16QAM	37825	75RB#0	0.15~30	-62.18	PASS
Band38	15MHz	16QAM	37825	75RB#0	30~1000	-58.17	PASS
Band38	15MHz	16QAM	37825	75RB#0	1000~3000	-47.96	PASS
Band38	15MHz	16QAM	37825	75RB#0	3000~18000	-38.65	PASS
Band38	15MHz	16QAM	37825	75RB#0	18000~26500	-31.78	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.009~0.15	-70.34	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.15~30	-59.34	PASS
Band38	15MHz	QPSK	38000	75RB#0	30~1000	-59.18	PASS
Band38	15MHz	QPSK	38000	75RB#0	1000~3000	-47.73	PASS
Band38	15MHz	QPSK	38000	75RB#0	3000~18000	-38.39	PASS
Band38	15MHz	QPSK	38000	75RB#0	18000~26500	-31.96	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.009~0.15	-71.18	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.15~30	-60.39	PASS
Band38	15MHz	16QAM	38000	75RB#0	30~1000	-58.47	PASS
Band38	15MHz	16QAM	38000	75RB#0	1000~3000	-47.94	PASS
Band38	15MHz	16QAM	38000	75RB#0	3000~18000	-38.45	PASS
Band38	15MHz	16QAM	38000	75RB#0	18000~26500	-32.05	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.009~0.15	-71.06	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.15~30	-60.59	PASS
Band38	15MHz	QPSK	38175	75RB#0	30~1000	-58.67	PASS
Band38	15MHz	QPSK	38175	75RB#0	1000~3000	-47.71	PASS
Band38	15MHz	QPSK	38175	75RB#0	3000~18000	-38.34	PASS
Band38	15MHz	QPSK	38175	75RB#0	18000~26500	-31.70	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.009~0.15	-69.90	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.15~30	-61.06	PASS
Band38	15MHz	16QAM	38175	75RB#0	30~1000	-58.95	PASS
Band38	15MHz	16QAM	38175	75RB#0	1000~3000	-47.60	PASS
Band38	15MHz	16QAM	38175	75RB#0	3000~18000	-38.30	PASS
Band38	15MHz	16QAM	38175	75RB#0	18000~26500	-31.79	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.009~0.15	-70.78	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.15~30	-60.57	PASS
Band38	20MHz	QPSK	37850	100RB#0	30~1000	-58.68	PASS
Band38	20MHz	QPSK	37850	100RB#0	1000~3000	-48.43	PASS
Band38	20MHz	QPSK	37850	100RB#0	3000~18000	-38.74	PASS
Band38	20MHz	QPSK	37850	100RB#0	18000~26500	-32.13	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.009~0.15	-70.62	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.15~30	-61.90	PASS
Band38	20MHz	16QAM	37850	100RB#0	30~1000	-58.80	PASS
Band38	20MHz	16QAM	37850	100RB#0	1000~3000	-48.15	PASS
Band38	20MHz	16QAM	37850	100RB#0	3000~18000	-37.84	PASS
Band38	20MHz	16QAM	37850	100RB#0	18000~26500	-32.24	PASS
Band38	20MHz	QPSK	38000	100RB#0	0.009~0.15	-70.45	PASS
Band38	20MHz	QPSK	38000	100RB#0	0.15~30	-59.77	PASS

Band38	20MHz	QPSK	38000	100RB#0	30~1000	-58.61	PASS
Band38	20MHz	QPSK	38000	100RB#0	1000~3000	-48.25	PASS
Band38	20MHz	QPSK	38000	100RB#0	3000~18000	-38.58	PASS
Band38	20MHz	QPSK	38000	100RB#0	18000~26500	-32.34	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.009~0.15	-71.32	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.15~30	-61.65	PASS
Band38	20MHz	16QAM	38000	100RB#0	30~1000	-58.56	PASS
Band38	20MHz	16QAM	38000	100RB#0	1000~3000	-48.29	PASS
Band38	20MHz	16QAM	38000	100RB#0	3000~18000	-38.58	PASS
Band38	20MHz	16QAM	38000	100RB#0	18000~26500	-32.23	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.009~0.15	-71.81	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.15~30	-63.12	PASS
Band38	20MHz	QPSK	38150	100RB#0	30~1000	-58.62	PASS
Band38	20MHz	QPSK	38150	100RB#0	1000~3000	-47.93	PASS
Band38	20MHz	QPSK	38150	100RB#0	3000~18000	-38.62	PASS
Band38	20MHz	QPSK	38150	100RB#0	18000~26500	-32.46	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.009~0.15	-69.70	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.15~30	-61.05	PASS
Band38	20MHz	16QAM	38150	100RB#0	30~1000	-58.22	PASS
Band38	20MHz	16QAM	38150	100RB#0	1000~3000	-47.63	PASS
Band38	20MHz	16QAM	38150	100RB#0	3000~18000	-38.55	PASS
Band38	20MHz	16QAM	38150	100RB#0	18000~26500	-32.13	PASS

Test Graphs

