

FCC Appendix RF Test Data for LTE Band 4

FCC ID : 2A3DR-AGMN2

Company : AGM MOBILE LIMITED

EUT : 4G smart Phone

Model Number : AGM_NOTE_N2

Report No. : CTA26041102304

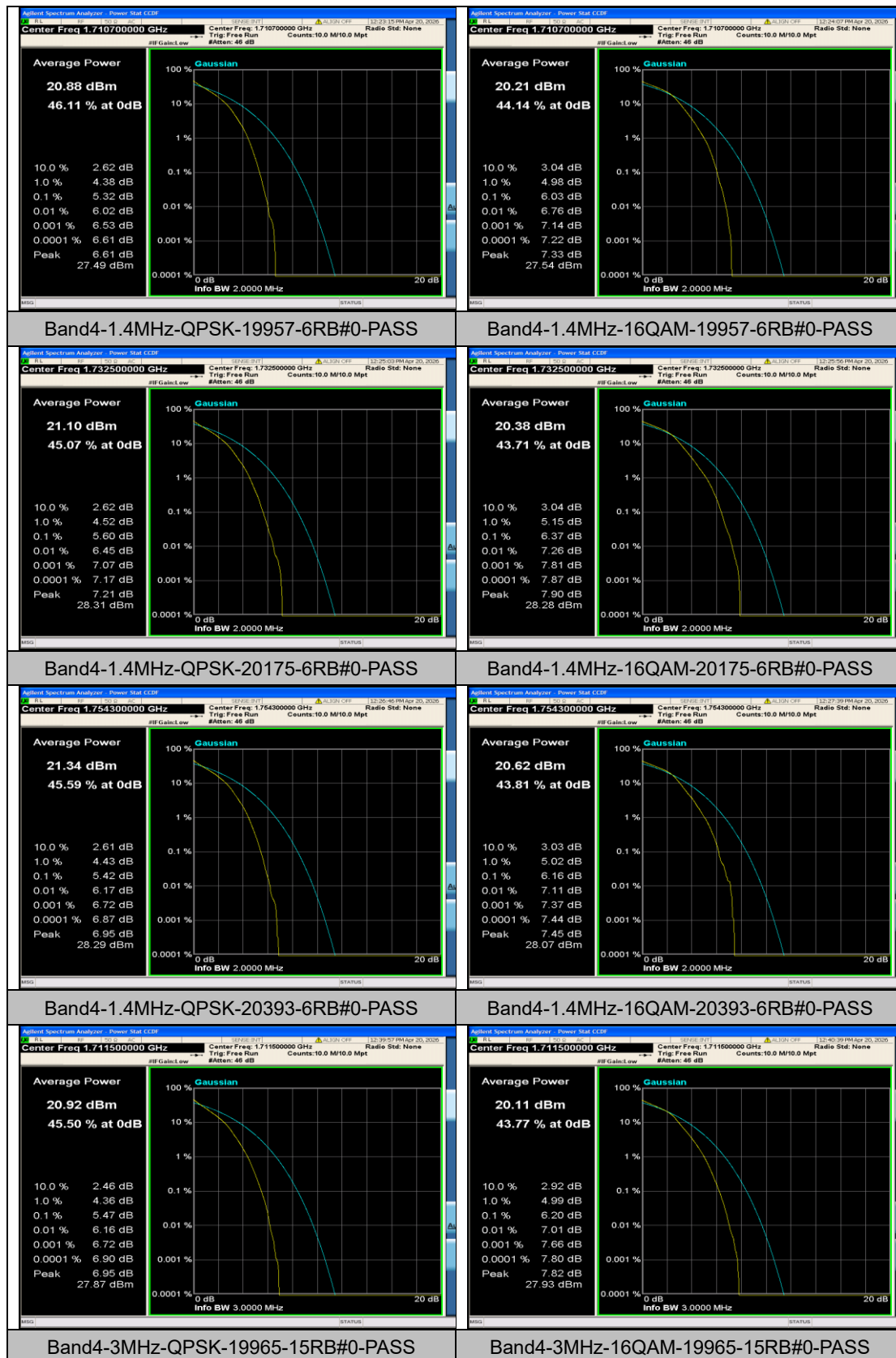
Reviewed By : Eric Wang

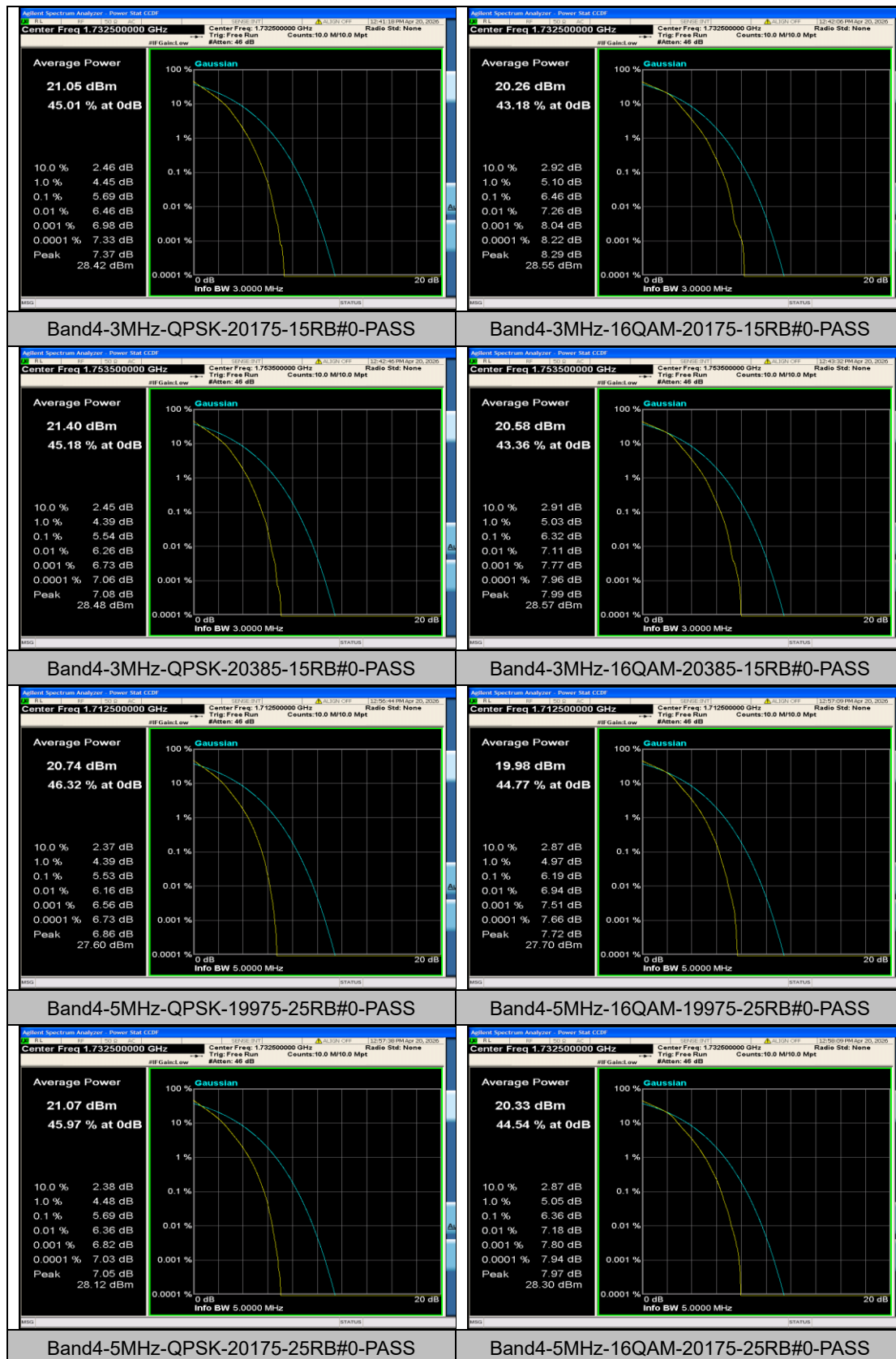
Appendix A: Peak-to-Average Ratio(CCDF)

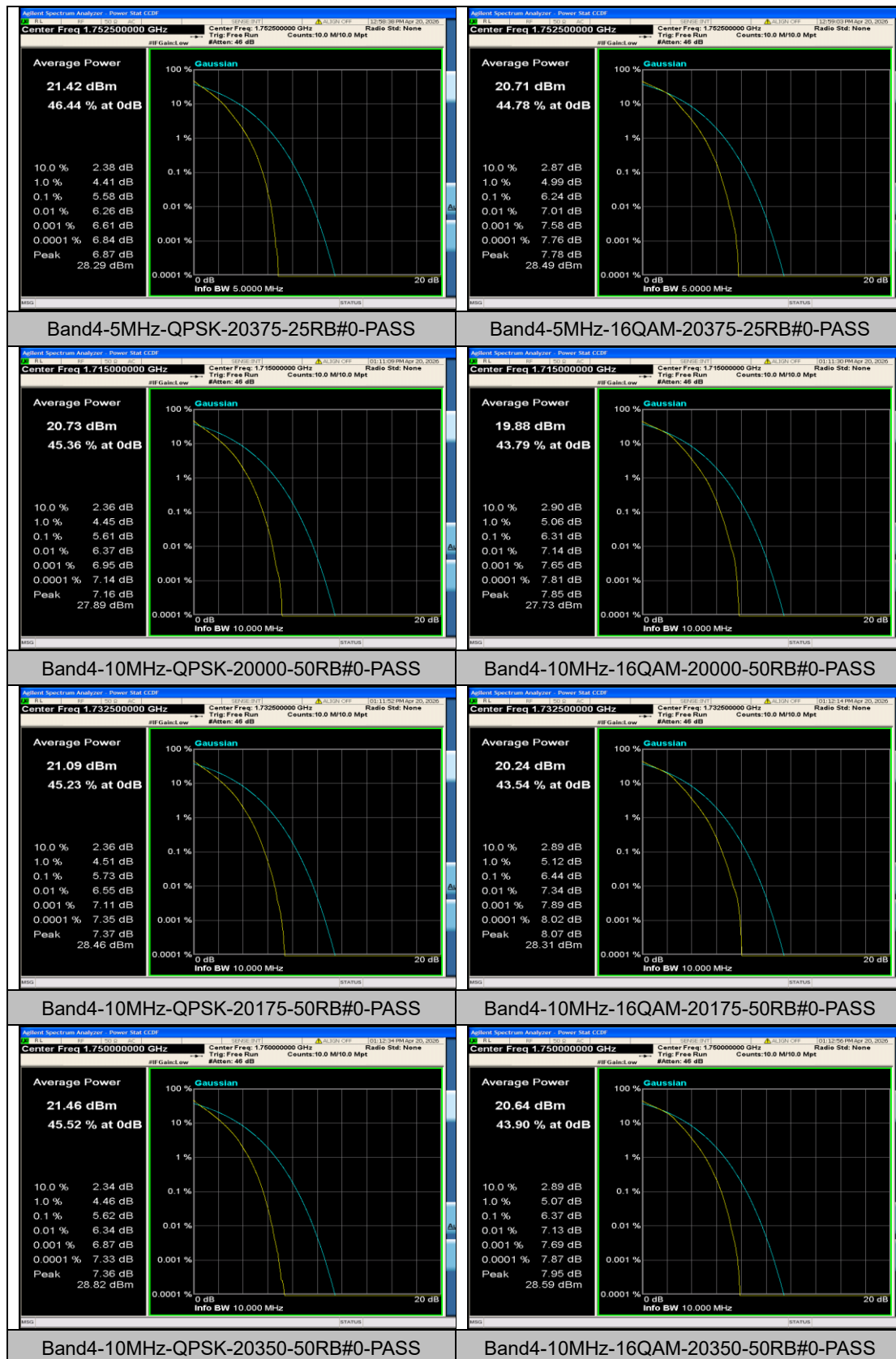
Test Result

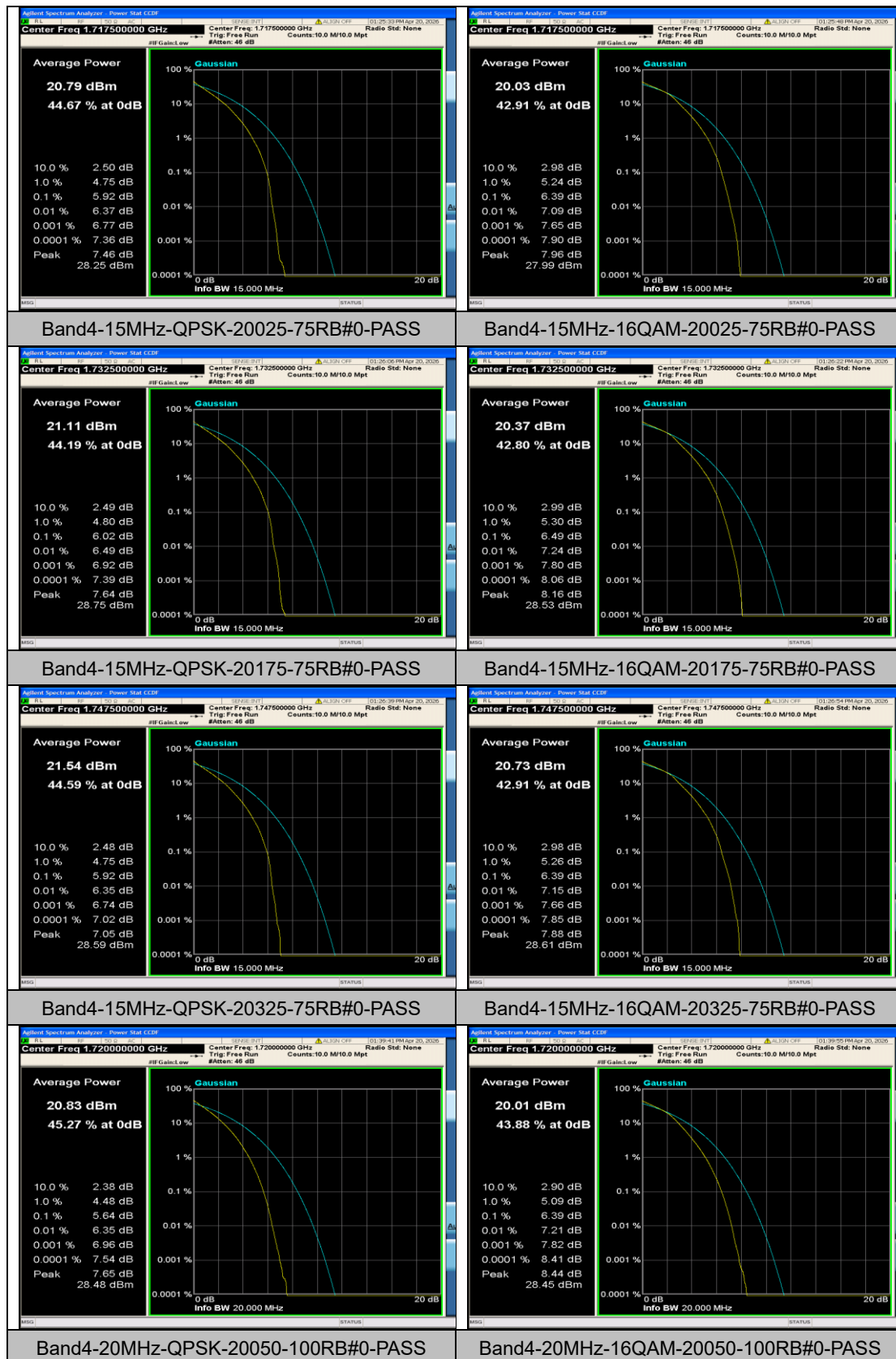
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	5.32	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.03	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.60	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.37	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.42	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	6.16	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.47	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.20	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.69	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.46	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.54	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.32	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.53	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.19	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.69	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.36	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.58	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.24	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.61	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.31	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.73	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.44	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.62	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.37	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.92	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.39	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	6.02	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.49	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.92	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.39	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.64	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.39	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.71	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.45	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.72	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.37	13	PASS

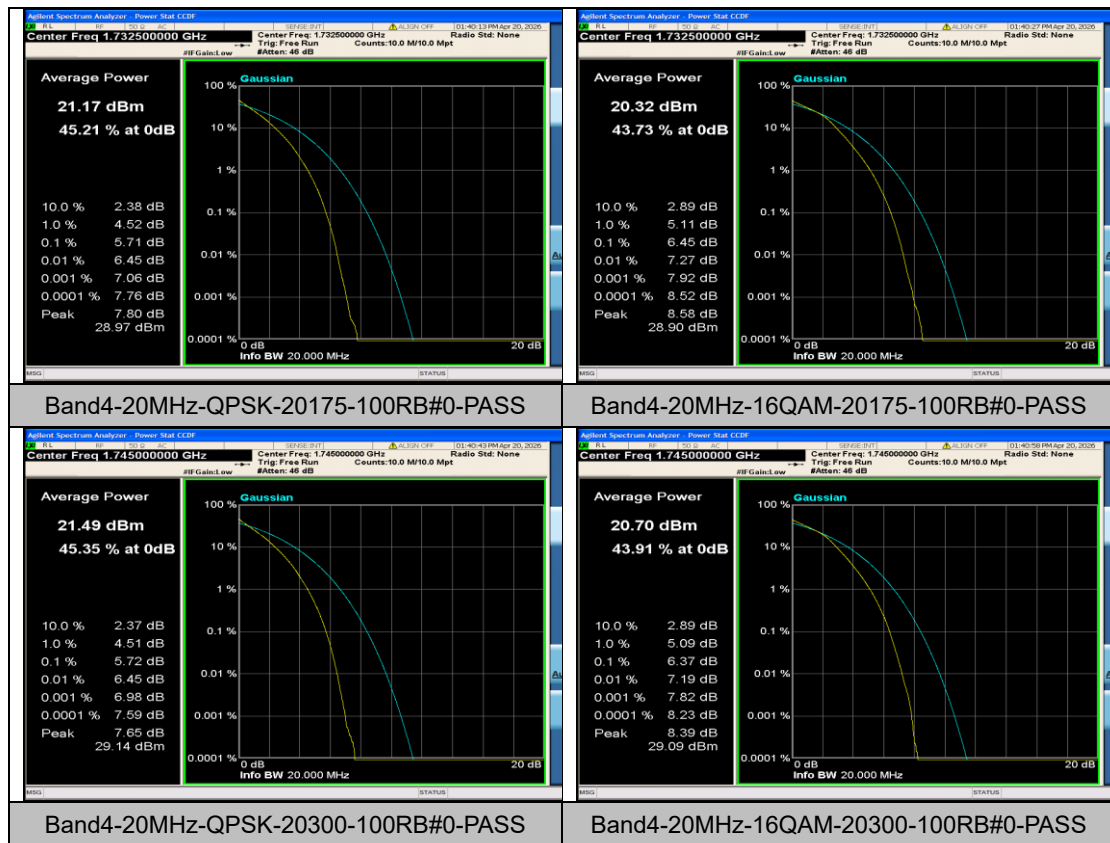
Test Graphs









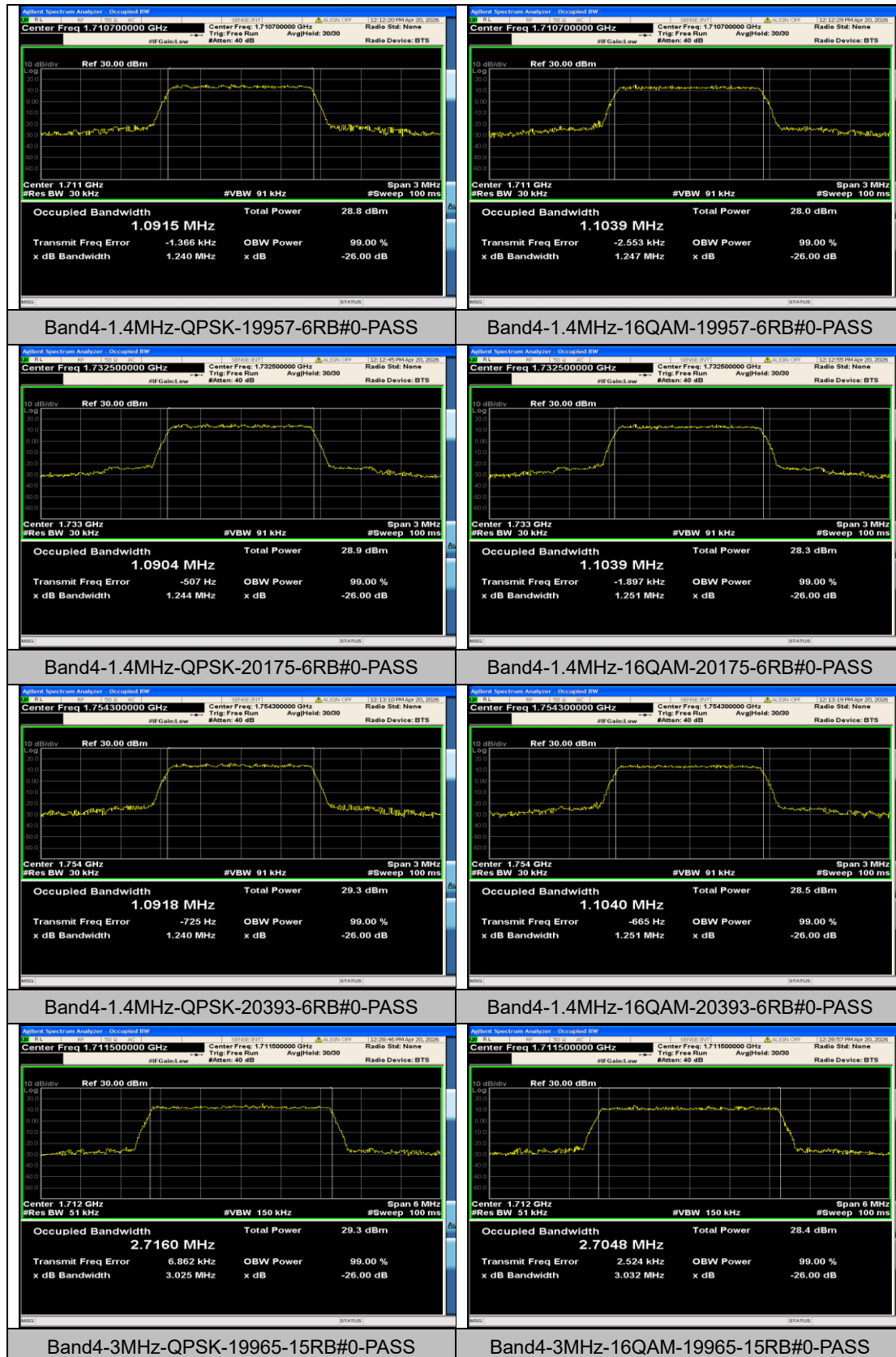


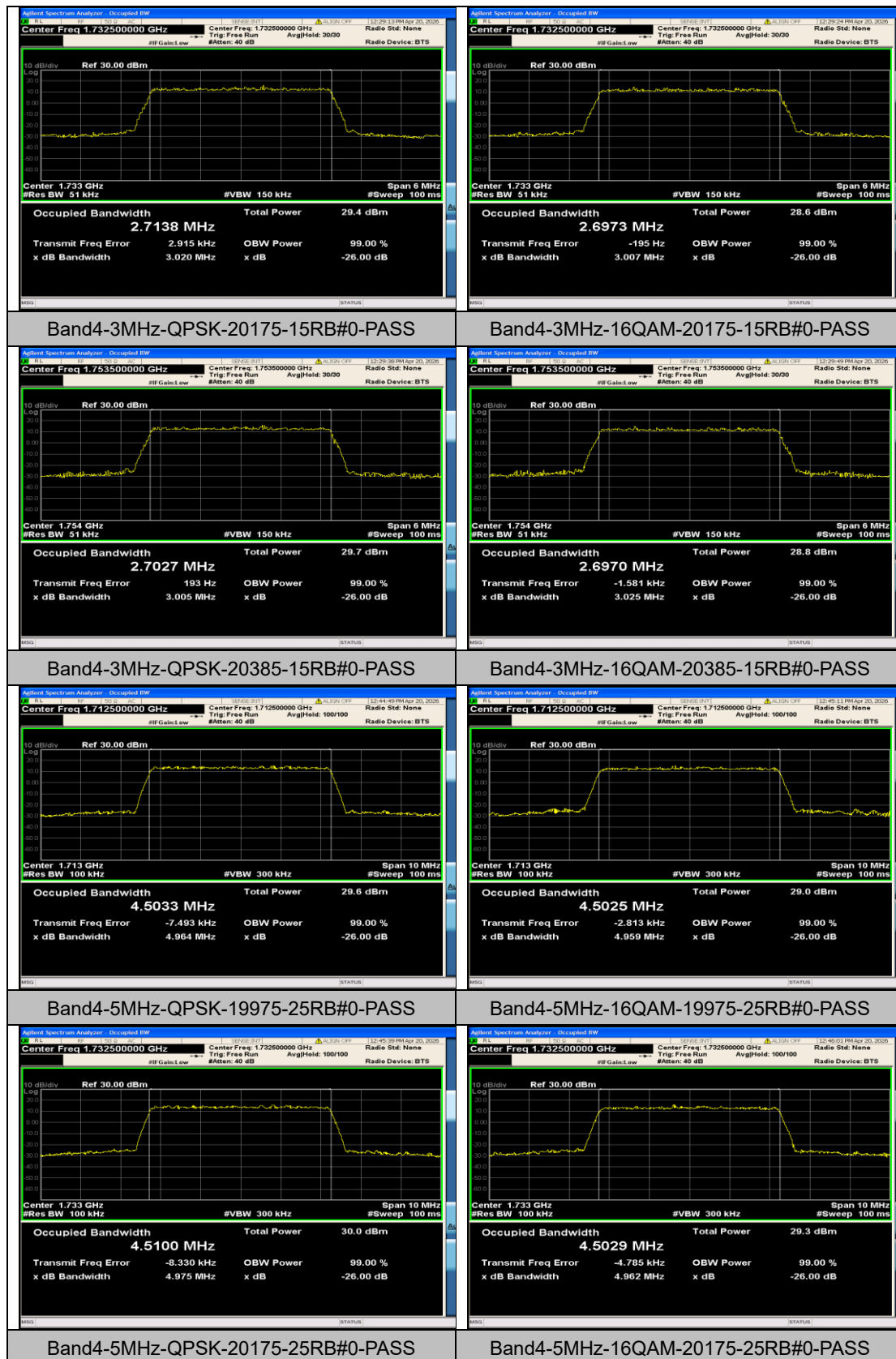
Appendix B: 26dB Bandwidth and Occupied Bandwidth

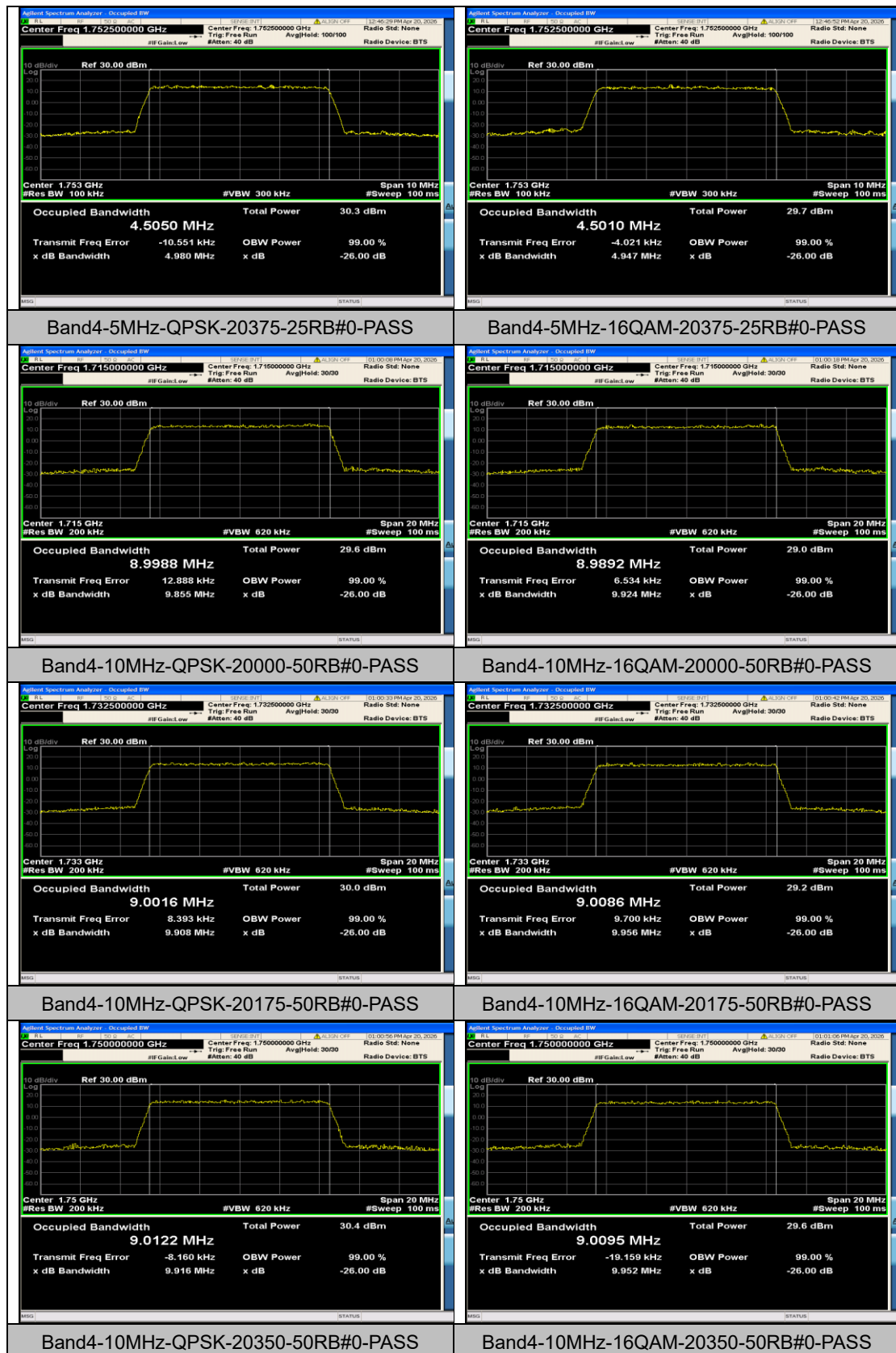
Test Result

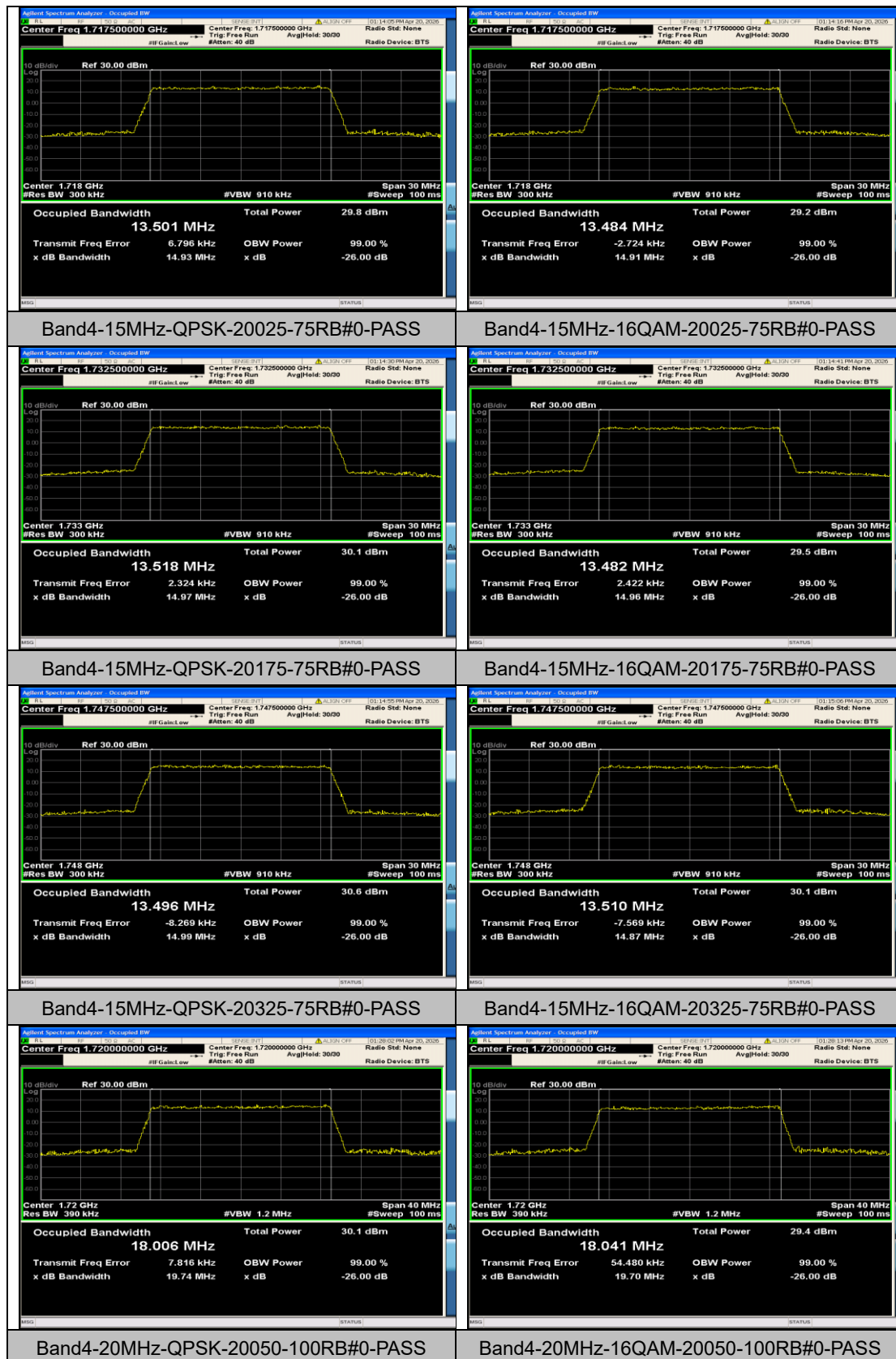
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0915	1.240	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.1039	1.247	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0904	1.244	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.1039	1.251	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0918	1.240	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.1040	1.251	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.7160	3.025	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.7048	3.032	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.7138	3.020	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6973	3.007	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.7027	3.005	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6970	3.025	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5033	4.964	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5025	4.959	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5100	4.975	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5029	4.962	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5050	4.980	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5010	4.947	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9988	9.855	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9892	9.924	PASS
Band4	10MHz	QPSK	20175	50RB#0	9.0016	9.908	PASS
Band4	10MHz	16QAM	20175	50RB#0	9.0086	9.956	PASS
Band4	10MHz	QPSK	20350	50RB#0	9.0122	9.916	PASS
Band4	10MHz	16QAM	20350	50RB#0	9.0095	9.952	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.501	14.93	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.484	14.91	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.518	14.97	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.482	14.96	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.496	14.99	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.510	14.87	PASS
Band4	20MHz	QPSK	20050	100RB#0	18.006	19.74	PASS
Band4	20MHz	16QAM	20050	100RB#0	18.041	19.70	PASS
Band4	20MHz	QPSK	20175	100RB#0	18.009	19.81	PASS
Band4	20MHz	16QAM	20175	100RB#0	18.054	19.65	PASS
Band4	20MHz	QPSK	20300	100RB#0	18.028	19.83	PASS
Band4	20MHz	16QAM	20300	100RB#0	18.010	19.80	PASS

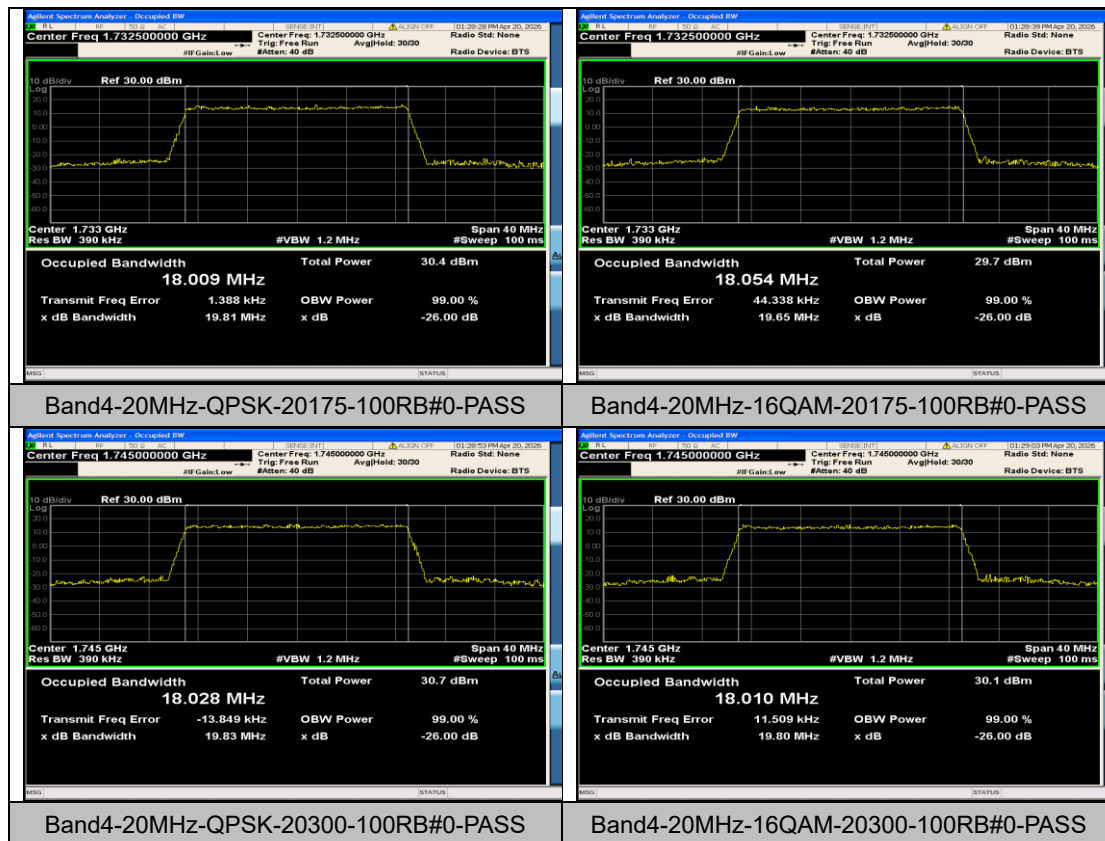
Test Graphs









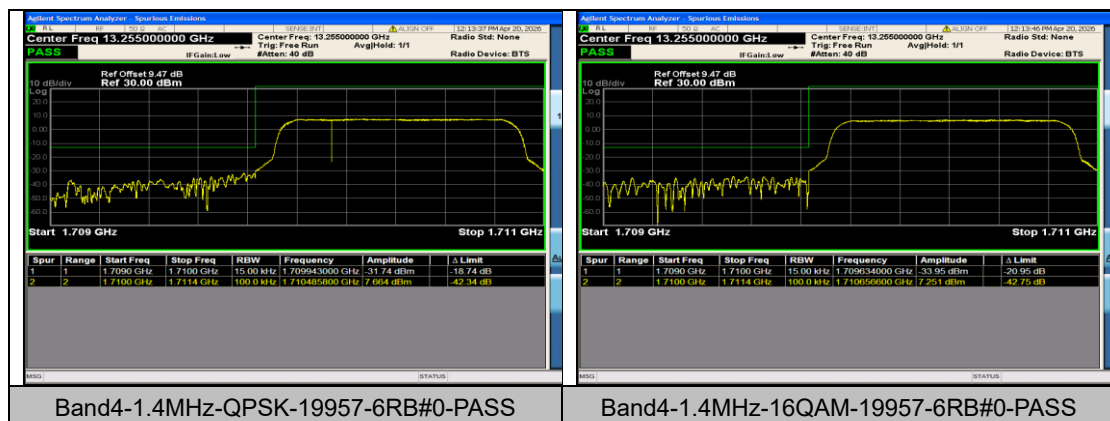


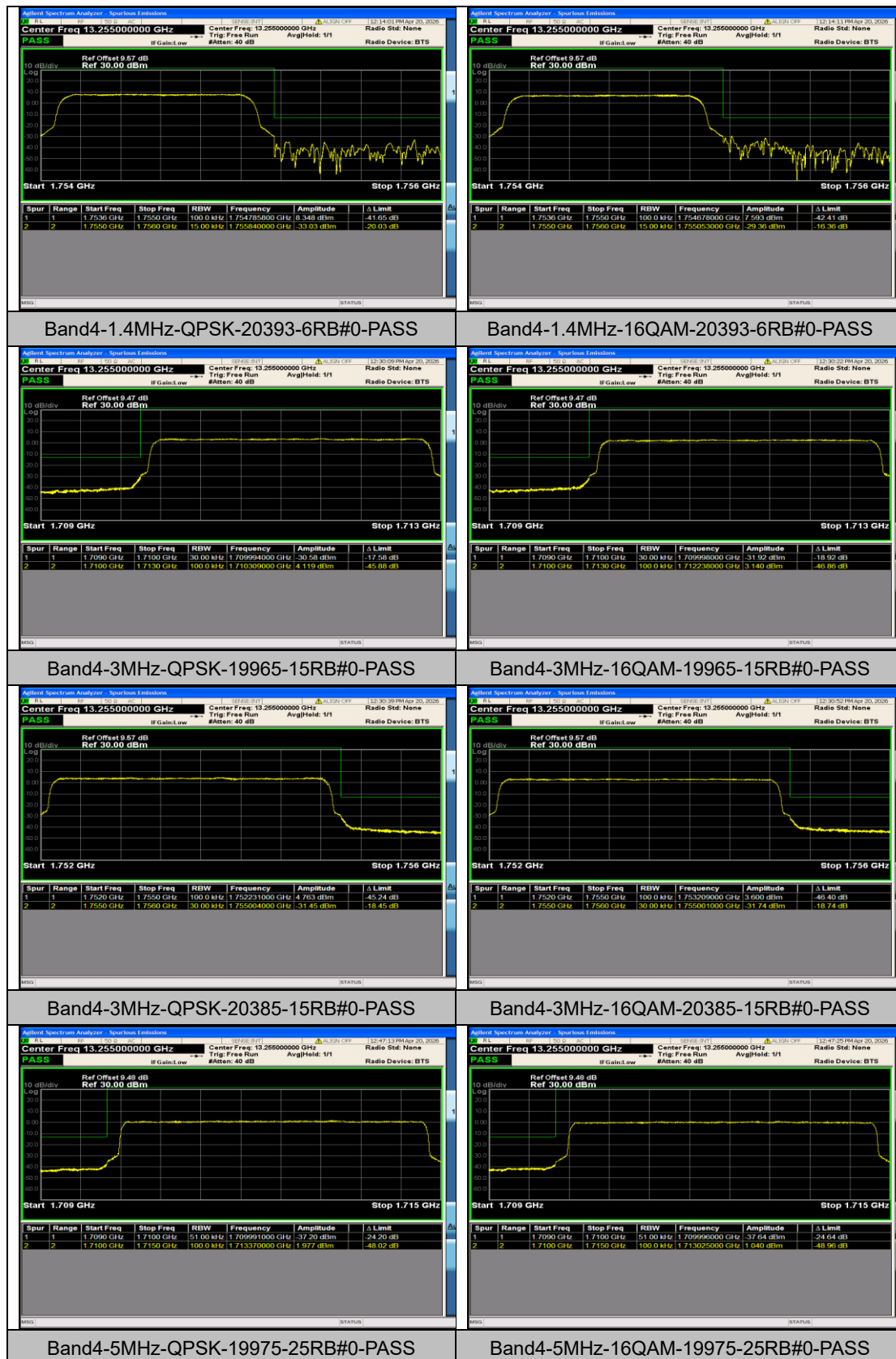
Appendix C: Band Edge

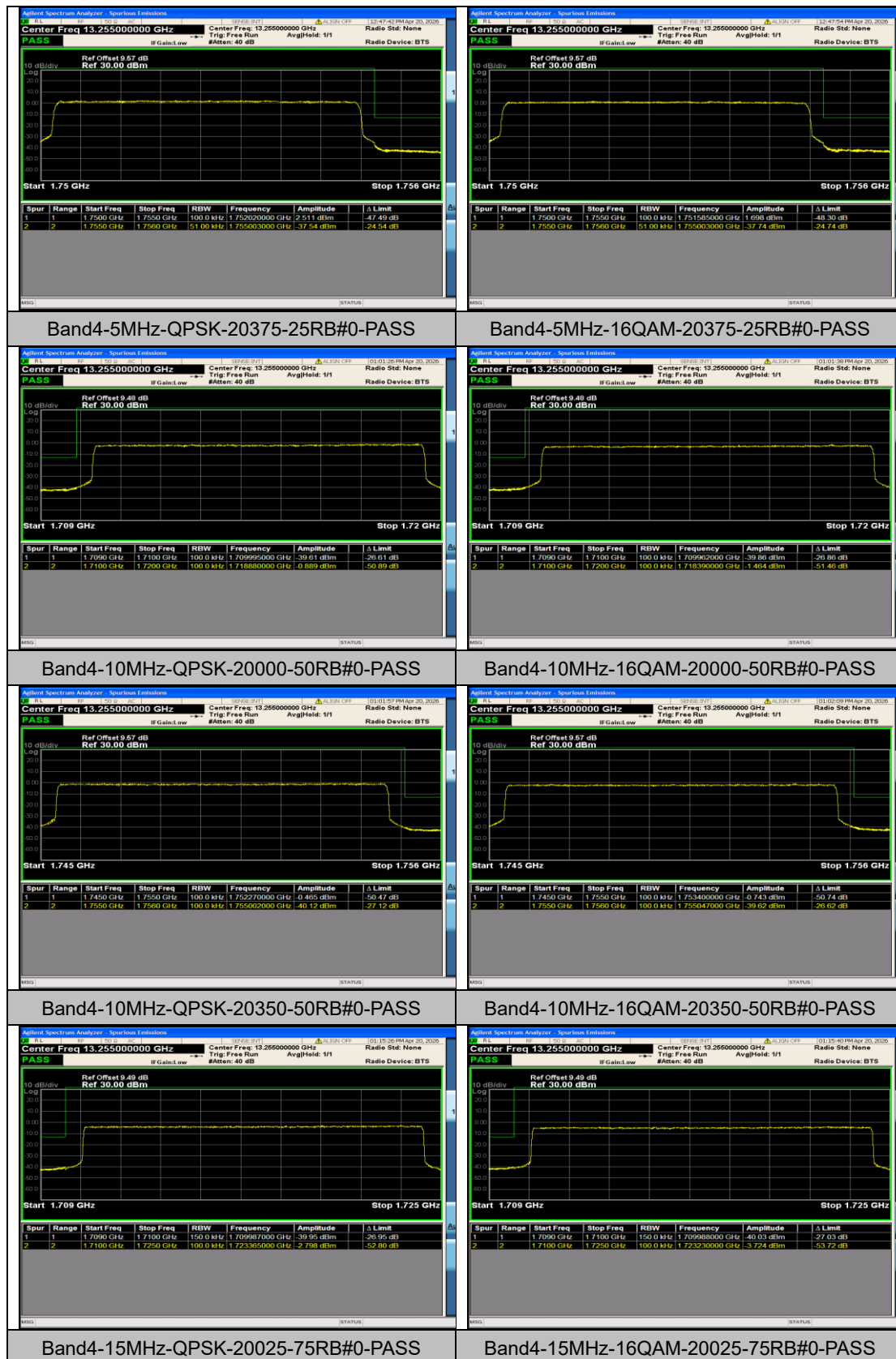
Test Result

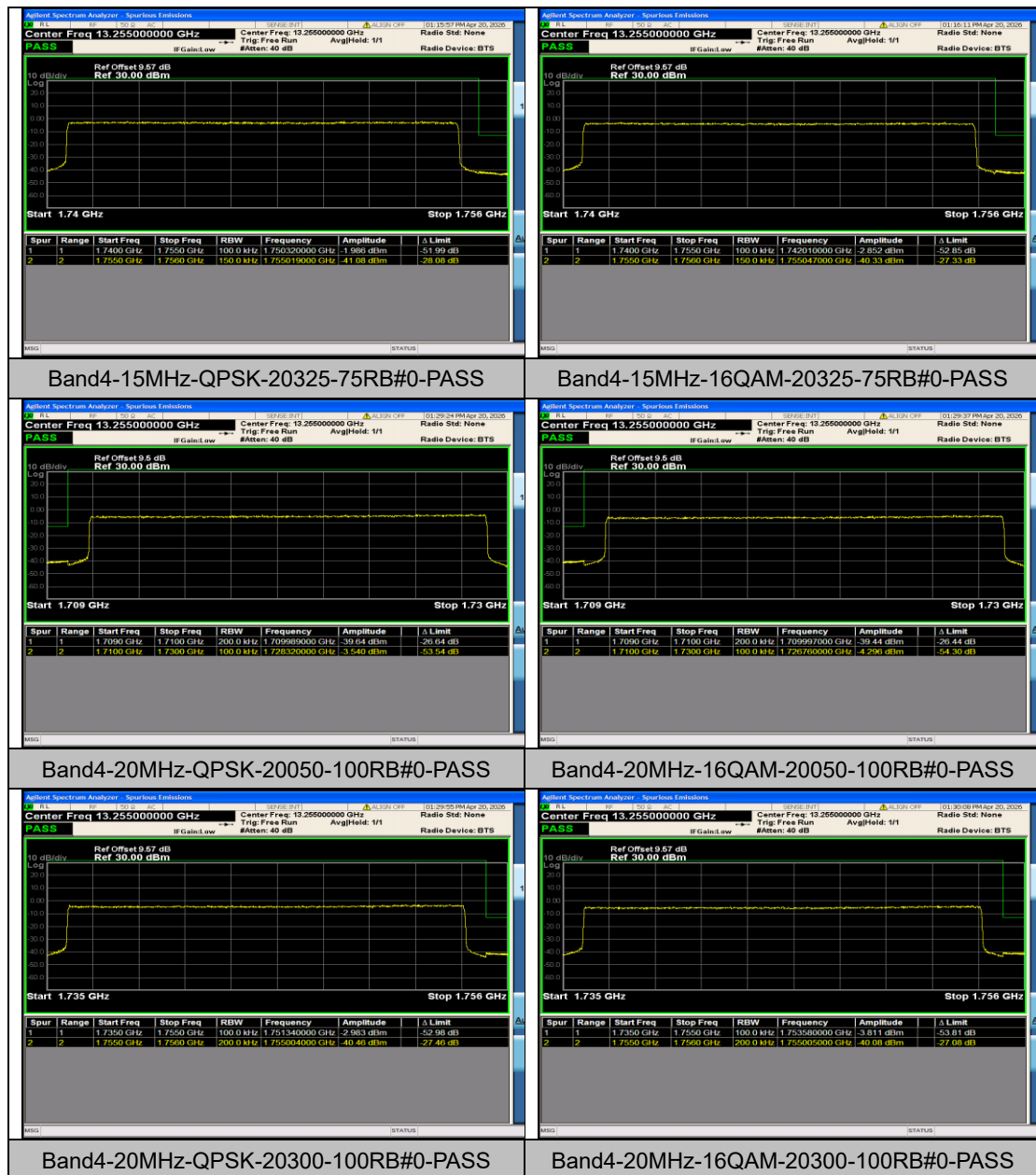
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	-31.74	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-33.95	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-33.03	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-29.36	PASS
Band4	3MHz	QPSK	19965	15RB#0	-30.58	PASS
Band4	3MHz	16QAM	19965	15RB#0	-31.92	PASS
Band4	3MHz	QPSK	20385	15RB#0	-31.45	PASS
Band4	3MHz	16QAM	20385	15RB#0	-31.74	PASS
Band4	5MHz	QPSK	19975	25RB#0	-37.20	PASS
Band4	5MHz	16QAM	19975	25RB#0	-37.64	PASS
Band4	5MHz	QPSK	20375	25RB#0	-37.54	PASS
Band4	5MHz	16QAM	20375	25RB#0	-37.74	PASS
Band4	10MHz	QPSK	20000	50RB#0	-39.61	PASS
Band4	10MHz	16QAM	20000	50RB#0	-39.86	PASS
Band4	10MHz	QPSK	20350	50RB#0	-40.12	PASS
Band4	10MHz	16QAM	20350	50RB#0	-39.62	PASS
Band4	15MHz	QPSK	20025	75RB#0	-39.95	PASS
Band4	15MHz	16QAM	20025	75RB#0	-40.03	PASS
Band4	15MHz	QPSK	20325	75RB#0	-41.08	PASS
Band4	15MHz	16QAM	20325	75RB#0	-40.33	PASS
Band4	20MHz	QPSK	20050	100RB#0	-39.64	PASS
Band4	20MHz	16QAM	20050	100RB#0	-39.44	PASS
Band4	20MHz	QPSK	20300	100RB#0	-40.46	PASS
Band4	20MHz	16QAM	20300	100RB#0	-40.08	PASS

Test Graphs









Appendix D: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	0.009~0.15	-60.41	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	0.15~30	-51.26	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	30~1000	-57.84	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	1000~3000	-27.81	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	3000~20000	-38.30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	0.009~0.15	-60.60	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	0.15~30	-51.32	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	30~1000	-58.78	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1000~3000	-28.53	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	3000~20000	-38.30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	0.009~0.15	-60.41	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	0.15~30	-53.02	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	30~1000	-58.71	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1000~3000	-47.63	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	3000~20000	-38.13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	0.009~0.15	-60.04	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	0.15~30	-51.74	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	30~1000	-58.65	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1000~3000	-48.15	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	3000~20000	-38.53	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	0.009~0.15	-60.35	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	0.15~30	-53.36	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	30~1000	-58.75	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1000~3000	-28.89	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	3000~20000	-38.59	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	0.009~0.15	-59.80	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	0.15~30	-49.10	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	30~1000	-58.28	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1000~3000	-30.78	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	3000~20000	-38.48	PASS
Band4	3MHz	QPSK	19965	15RB#0	0.009~0.15	-59.60	PASS
Band4	3MHz	QPSK	19965	15RB#0	0.15~30	-54.10	PASS
Band4	3MHz	QPSK	19965	15RB#0	30~1000	-58.07	PASS
Band4	3MHz	QPSK	19965	15RB#0	1000~3000	-24.78	PASS
Band4	3MHz	QPSK	19965	15RB#0	3000~20000	-38.32	PASS
Band4	3MHz	16QAM	19965	15RB#0	0.009~0.15	-59.65	PASS

Band4	3MHz	16QAM	19965	15RB#0	0.15~30	-51.20	PASS
Band4	3MHz	16QAM	19965	15RB#0	30~1000	-57.77	PASS
Band4	3MHz	16QAM	19965	15RB#0	1000~3000	-26.15	PASS
Band4	3MHz	16QAM	19965	15RB#0	3000~20000	-38.67	PASS
Band4	3MHz	QPSK	20175	15RB#0	0.009~0.15	-60.27	PASS
Band4	3MHz	QPSK	20175	15RB#0	0.15~30	-51.71	PASS
Band4	3MHz	QPSK	20175	15RB#0	30~1000	-58.07	PASS
Band4	3MHz	QPSK	20175	15RB#0	1000~3000	-48.02	PASS
Band4	3MHz	QPSK	20175	15RB#0	3000~20000	-38.53	PASS
Band4	3MHz	16QAM	20175	15RB#0	0.009~0.15	-60.07	PASS
Band4	3MHz	16QAM	20175	15RB#0	0.15~30	-52.97	PASS
Band4	3MHz	16QAM	20175	15RB#0	30~1000	-58.52	PASS
Band4	3MHz	16QAM	20175	15RB#0	1000~3000	-47.94	PASS
Band4	3MHz	16QAM	20175	15RB#0	3000~20000	-38.39	PASS
Band4	3MHz	QPSK	20385	15RB#0	0.009~0.15	-60.73	PASS
Band4	3MHz	QPSK	20385	15RB#0	0.15~30	-54.03	PASS
Band4	3MHz	QPSK	20385	15RB#0	30~1000	-58.13	PASS
Band4	3MHz	QPSK	20385	15RB#0	1000~3000	-25.96	PASS
Band4	3MHz	QPSK	20385	15RB#0	3000~20000	-38.01	PASS
Band4	3MHz	16QAM	20385	15RB#0	0.009~0.15	-59.96	PASS
Band4	3MHz	16QAM	20385	15RB#0	0.15~30	-50.96	PASS
Band4	3MHz	16QAM	20385	15RB#0	30~1000	-58.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	1000~3000	-26.78	PASS
Band4	3MHz	16QAM	20385	15RB#0	3000~20000	-38.35	PASS
Band4	5MHz	QPSK	19975	25RB#0	0.009~0.15	-60.60	PASS
Band4	5MHz	QPSK	19975	25RB#0	0.15~30	-53.68	PASS
Band4	5MHz	QPSK	19975	25RB#0	30~1000	-58.13	PASS
Band4	5MHz	QPSK	19975	25RB#0	1000~3000	-27.91	PASS
Band4	5MHz	QPSK	19975	25RB#0	3000~20000	-38.85	PASS
Band4	5MHz	16QAM	19975	25RB#0	0.009~0.15	-61.02	PASS
Band4	5MHz	16QAM	19975	25RB#0	0.15~30	-51.85	PASS
Band4	5MHz	16QAM	19975	25RB#0	30~1000	-58.81	PASS
Band4	5MHz	16QAM	19975	25RB#0	1000~3000	-27.36	PASS
Band4	5MHz	16QAM	19975	25RB#0	3000~20000	-38.33	PASS
Band4	5MHz	QPSK	20175	25RB#0	0.009~0.15	-60.29	PASS
Band4	5MHz	QPSK	20175	25RB#0	0.15~30	-53.21	PASS
Band4	5MHz	QPSK	20175	25RB#0	30~1000	-58.11	PASS
Band4	5MHz	QPSK	20175	25RB#0	1000~3000	-47.90	PASS
Band4	5MHz	QPSK	20175	25RB#0	3000~20000	-38.47	PASS
Band4	5MHz	16QAM	20175	25RB#0	0.009~0.15	-59.78	PASS
Band4	5MHz	16QAM	20175	25RB#0	0.15~30	-52.29	PASS
Band4	5MHz	16QAM	20175	25RB#0	30~1000	-58.78	PASS
Band4	5MHz	16QAM	20175	25RB#0	1000~3000	-48.02	PASS

Band4	5MHz	16QAM	20175	25RB#0	3000~20000	-38.67	PASS
Band4	5MHz	QPSK	20375	25RB#0	0.009~0.15	-59.73	PASS
Band4	5MHz	QPSK	20375	25RB#0	0.15~30	-53.98	PASS
Band4	5MHz	QPSK	20375	25RB#0	30~1000	-58.12	PASS
Band4	5MHz	QPSK	20375	25RB#0	1000~3000	-28.42	PASS
Band4	5MHz	QPSK	20375	25RB#0	3000~20000	-38.73	PASS
Band4	5MHz	16QAM	20375	25RB#0	0.009~0.15	-59.21	PASS
Band4	5MHz	16QAM	20375	25RB#0	0.15~30	-52.12	PASS
Band4	5MHz	16QAM	20375	25RB#0	30~1000	-58.36	PASS
Band4	5MHz	16QAM	20375	25RB#0	1000~3000	-25.82	PASS
Band4	5MHz	16QAM	20375	25RB#0	3000~20000	-38.37	PASS
Band4	10MHz	QPSK	20000	50RB#0	0.009~0.15	-60.38	PASS
Band4	10MHz	QPSK	20000	50RB#0	0.15~30	-52.38	PASS
Band4	10MHz	QPSK	20000	50RB#0	30~1000	-57.42	PASS
Band4	10MHz	QPSK	20000	50RB#0	1000~3000	-29.63	PASS
Band4	10MHz	QPSK	20000	50RB#0	3000~20000	-38.33	PASS
Band4	10MHz	16QAM	20000	50RB#0	0.009~0.15	-61.25	PASS
Band4	10MHz	16QAM	20000	50RB#0	0.15~30	-52.74	PASS
Band4	10MHz	16QAM	20000	50RB#0	30~1000	-58.12	PASS
Band4	10MHz	16QAM	20000	50RB#0	1000~3000	-29.08	PASS
Band4	10MHz	16QAM	20000	50RB#0	3000~20000	-38.74	PASS
Band4	10MHz	QPSK	20175	50RB#0	0.009~0.15	-58.49	PASS
Band4	10MHz	QPSK	20175	50RB#0	0.15~30	-53.10	PASS
Band4	10MHz	QPSK	20175	50RB#0	30~1000	-57.97	PASS
Band4	10MHz	QPSK	20175	50RB#0	1000~3000	-48.09	PASS
Band4	10MHz	QPSK	20175	50RB#0	3000~20000	-38.31	PASS
Band4	10MHz	16QAM	20175	50RB#0	0.009~0.15	-61.04	PASS
Band4	10MHz	16QAM	20175	50RB#0	0.15~30	-53.70	PASS
Band4	10MHz	16QAM	20175	50RB#0	30~1000	-57.87	PASS
Band4	10MHz	16QAM	20175	50RB#0	1000~3000	-48.11	PASS
Band4	10MHz	16QAM	20175	50RB#0	3000~20000	-38.38	PASS
Band4	10MHz	QPSK	20350	50RB#0	0.009~0.15	-60.04	PASS
Band4	10MHz	QPSK	20350	50RB#0	0.15~30	-52.33	PASS
Band4	10MHz	QPSK	20350	50RB#0	30~1000	-58.24	PASS
Band4	10MHz	QPSK	20350	50RB#0	1000~3000	-29.93	PASS
Band4	10MHz	QPSK	20350	50RB#0	3000~20000	-38.09	PASS
Band4	10MHz	16QAM	20350	50RB#0	0.009~0.15	-59.74	PASS
Band4	10MHz	16QAM	20350	50RB#0	0.15~30	-51.88	PASS
Band4	10MHz	16QAM	20350	50RB#0	30~1000	-57.94	PASS
Band4	10MHz	16QAM	20350	50RB#0	1000~3000	-28.85	PASS
Band4	10MHz	16QAM	20350	50RB#0	3000~20000	-38.39	PASS
Band4	15MHz	QPSK	20025	75RB#0	0.009~0.15	-60.48	PASS
Band4	15MHz	QPSK	20025	75RB#0	0.15~30	-52.03	PASS