

FCC&ISED LTE Band Test Data

FCC ID : 2BE8S-A1

IC : 33120-A1

Company: : Shenzhen kehuitong Technology Co., Ltd

EUT : mobile phone

HVIN(Model) : A1

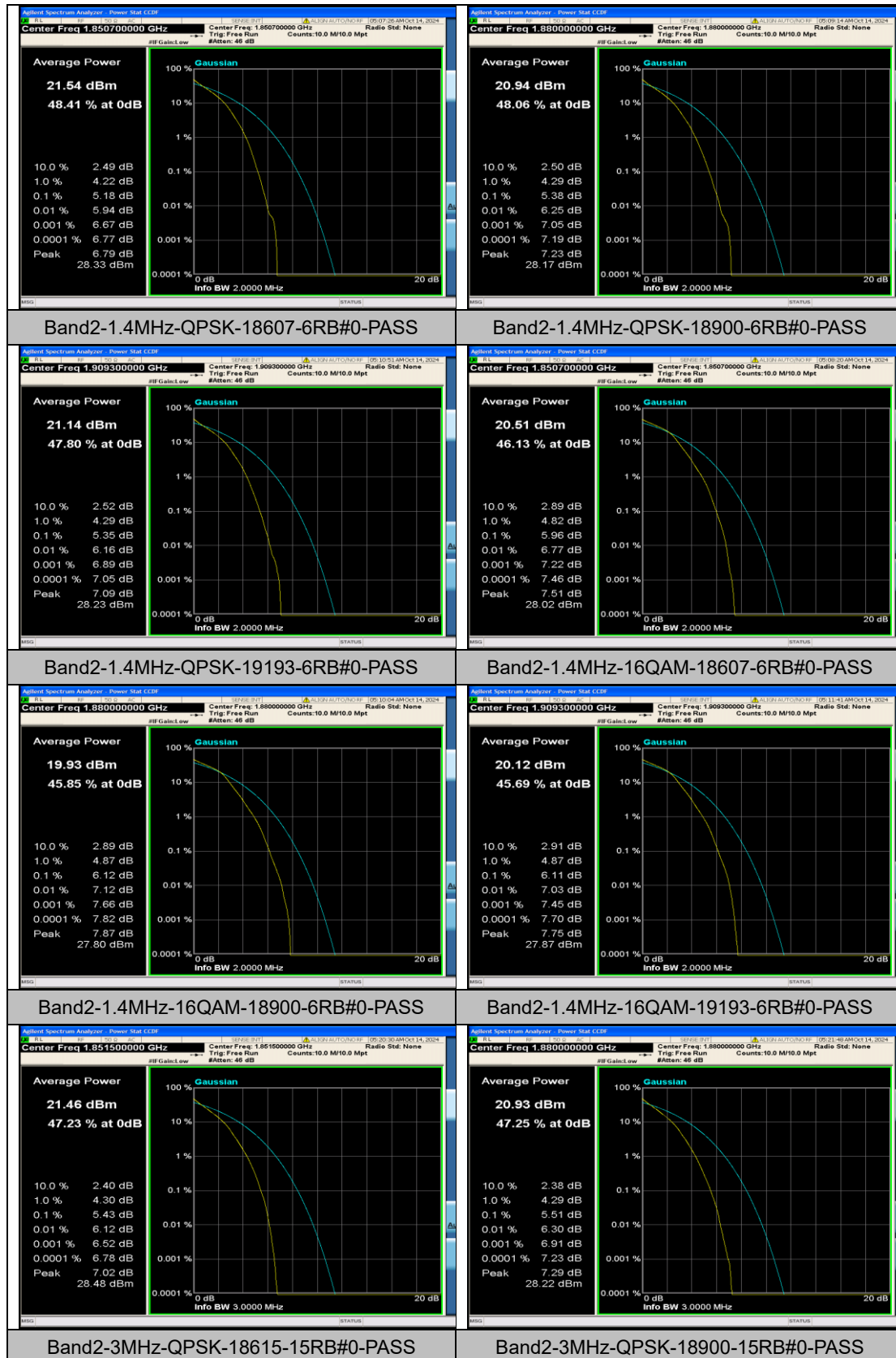
Reviewed By : Eric Wang

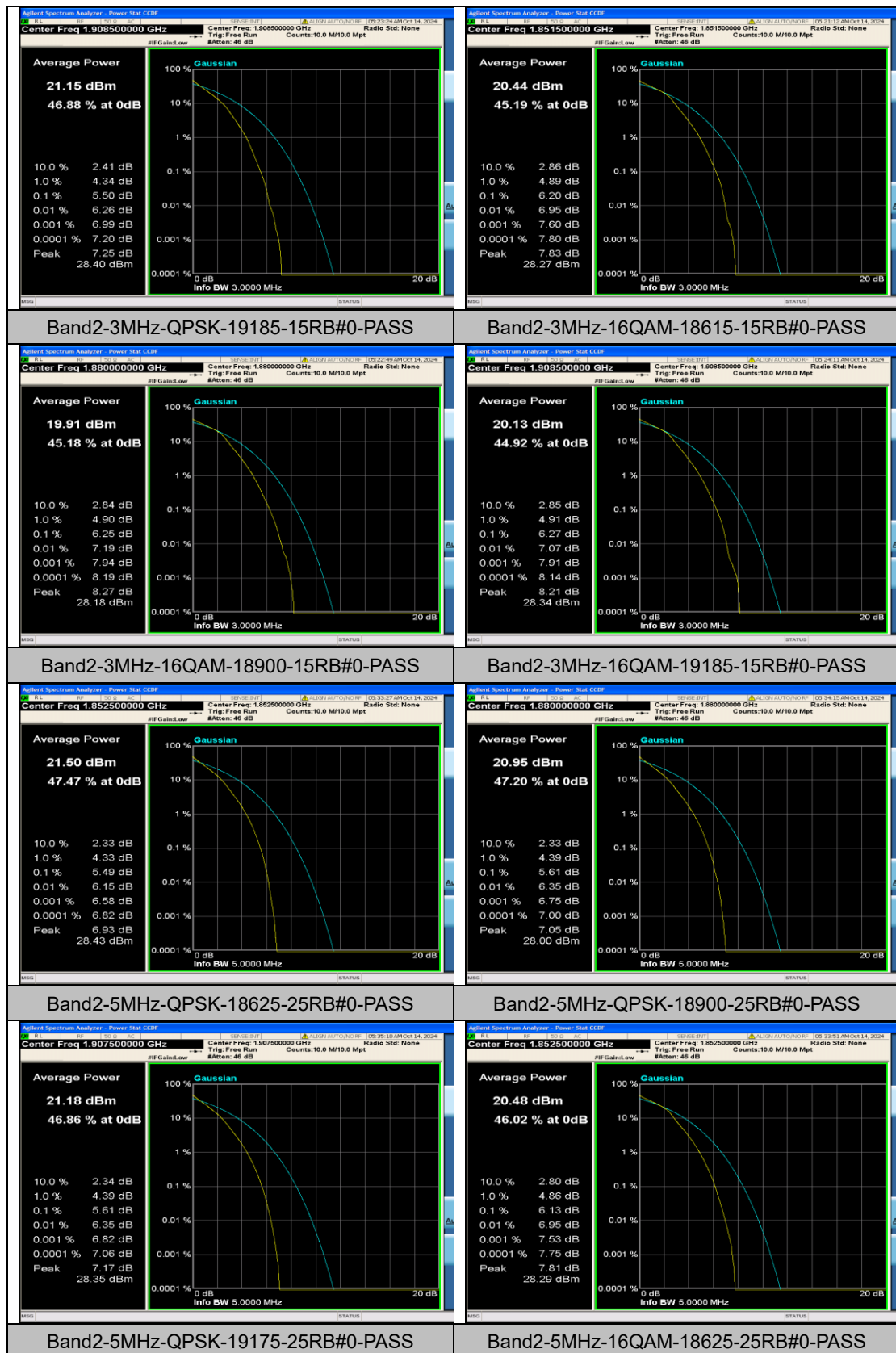
Appendix B: Peak-to-Average Ratio(CCDF)

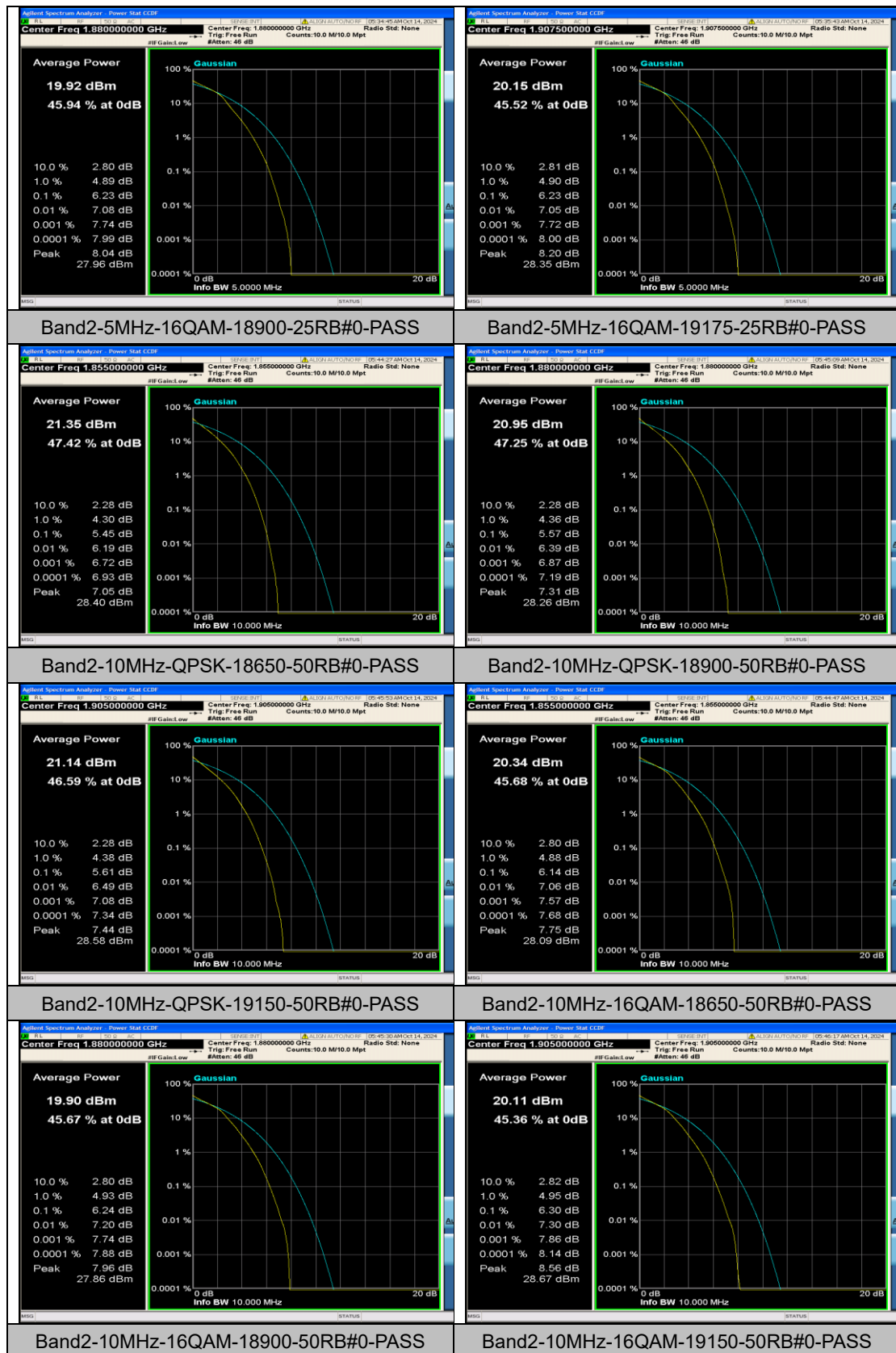
Test Result

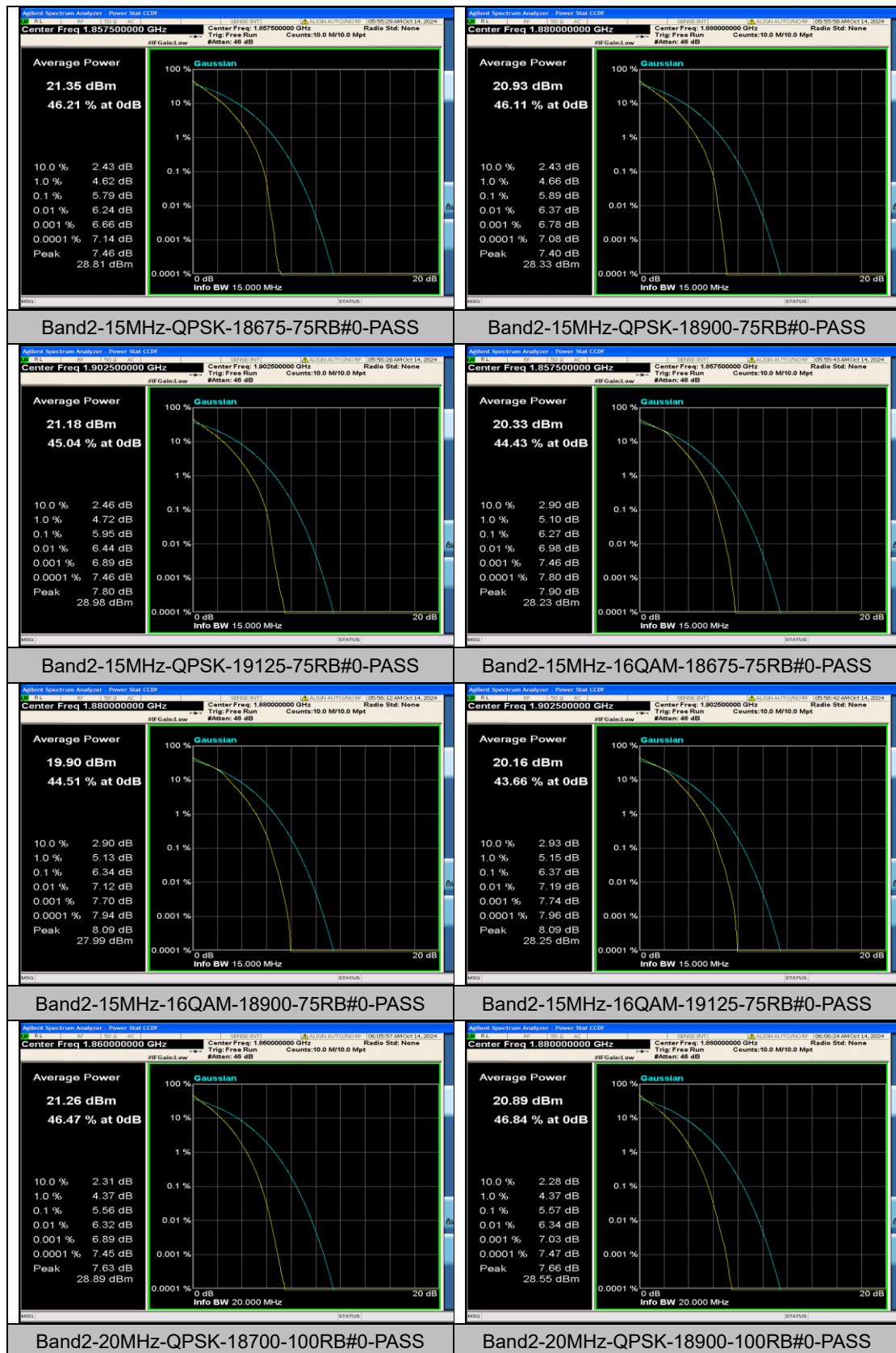
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	5.18	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	5.38	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	5.35	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	5.96	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	6.12	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	6.11	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	5.43	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.51	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	5.50	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	6.20	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	6.25	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	6.27	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	5.49	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	5.61	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	5.61	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	6.13	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	6.23	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	6.23	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.45	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.57	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	5.61	13	PASS
Band2	10MHz	16QAM	18650	50RB#0	6.14	13	PASS
Band2	10MHz	16QAM	18900	50RB#0	6.24	13	PASS
Band2	10MHz	16QAM	19150	50RB#0	6.30	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	5.79	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	5.89	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	5.95	13	PASS
Band2	15MHz	16QAM	18675	75RB#0	6.27	13	PASS
Band2	15MHz	16QAM	18900	75RB#0	6.34	13	PASS
Band2	15MHz	16QAM	19125	75RB#0	6.37	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.56	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.57	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.65	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.27	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.28	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.39	13	PASS

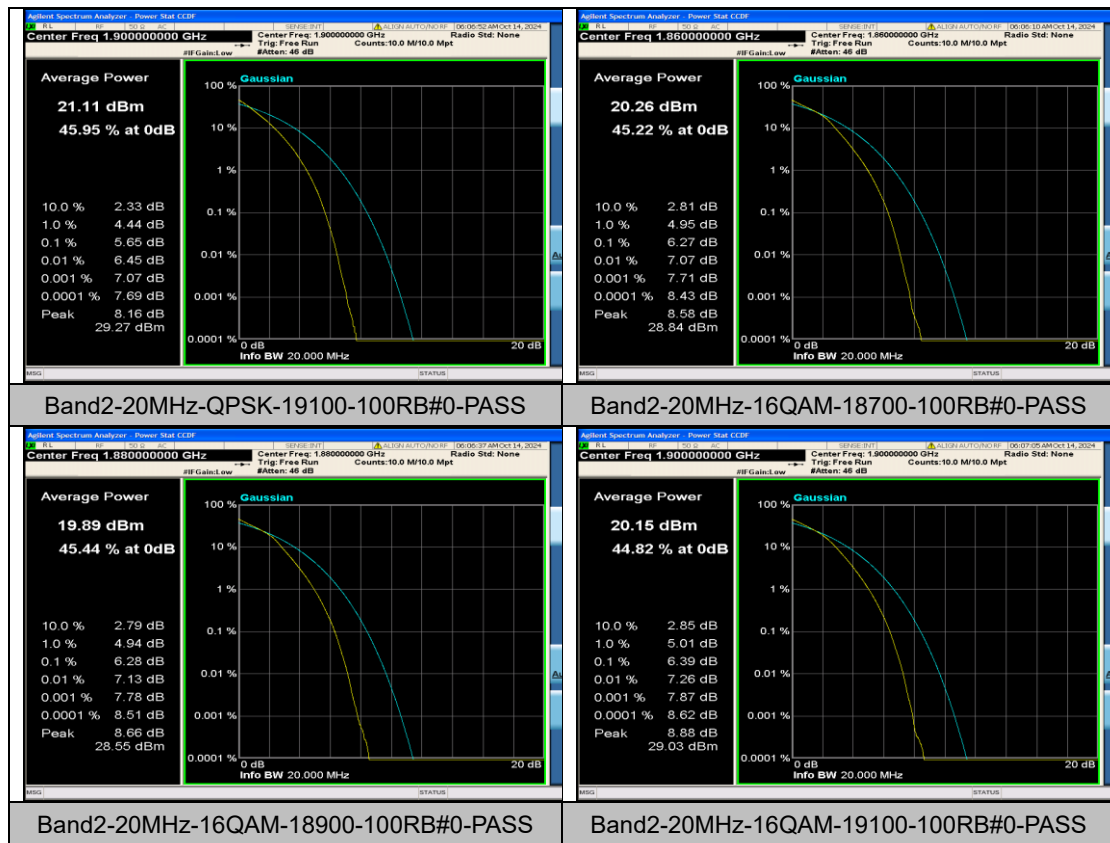
Test Graphs











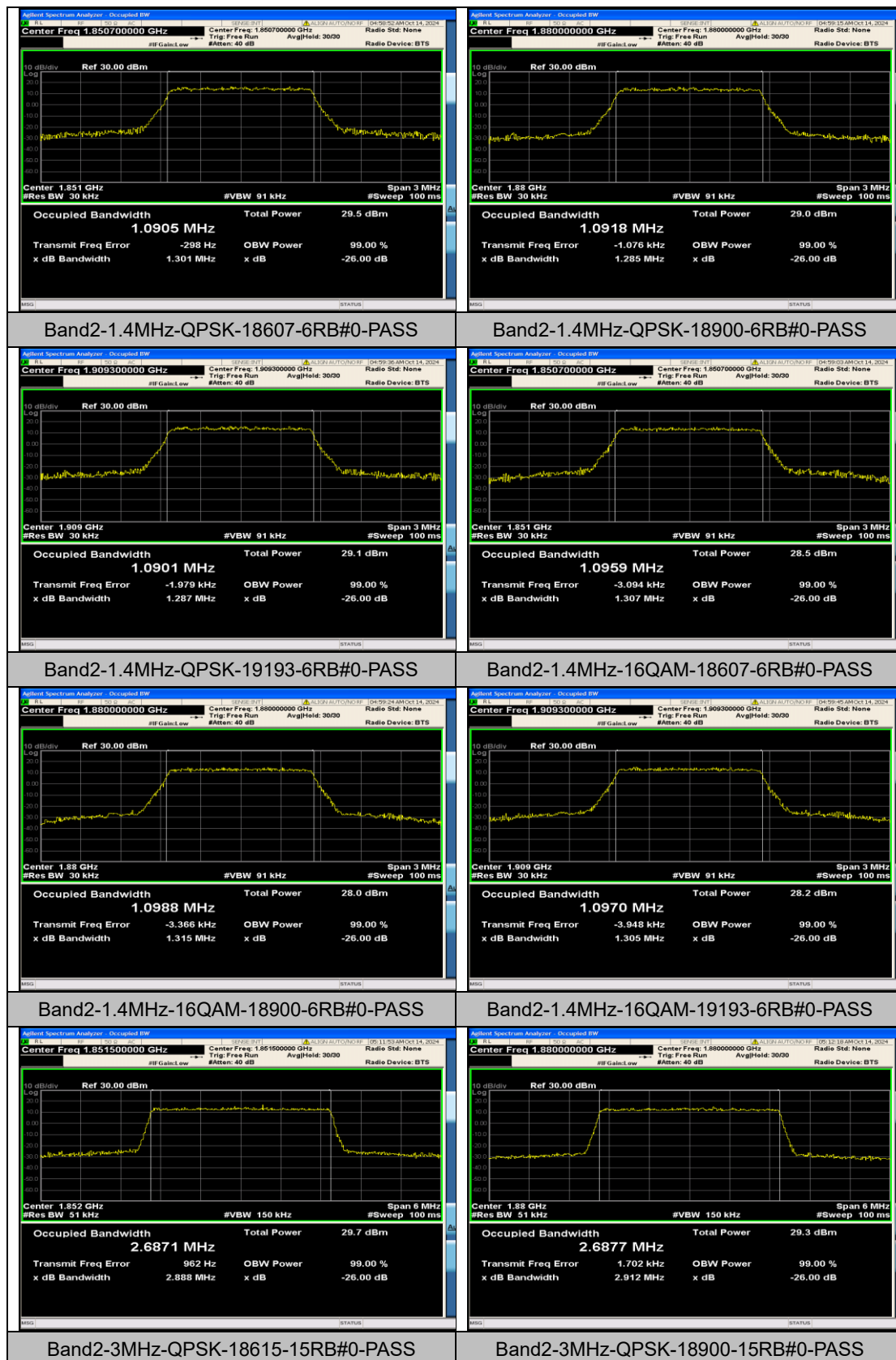
Appendix C: 26dB Bandwidth and Occupied Bandwidth

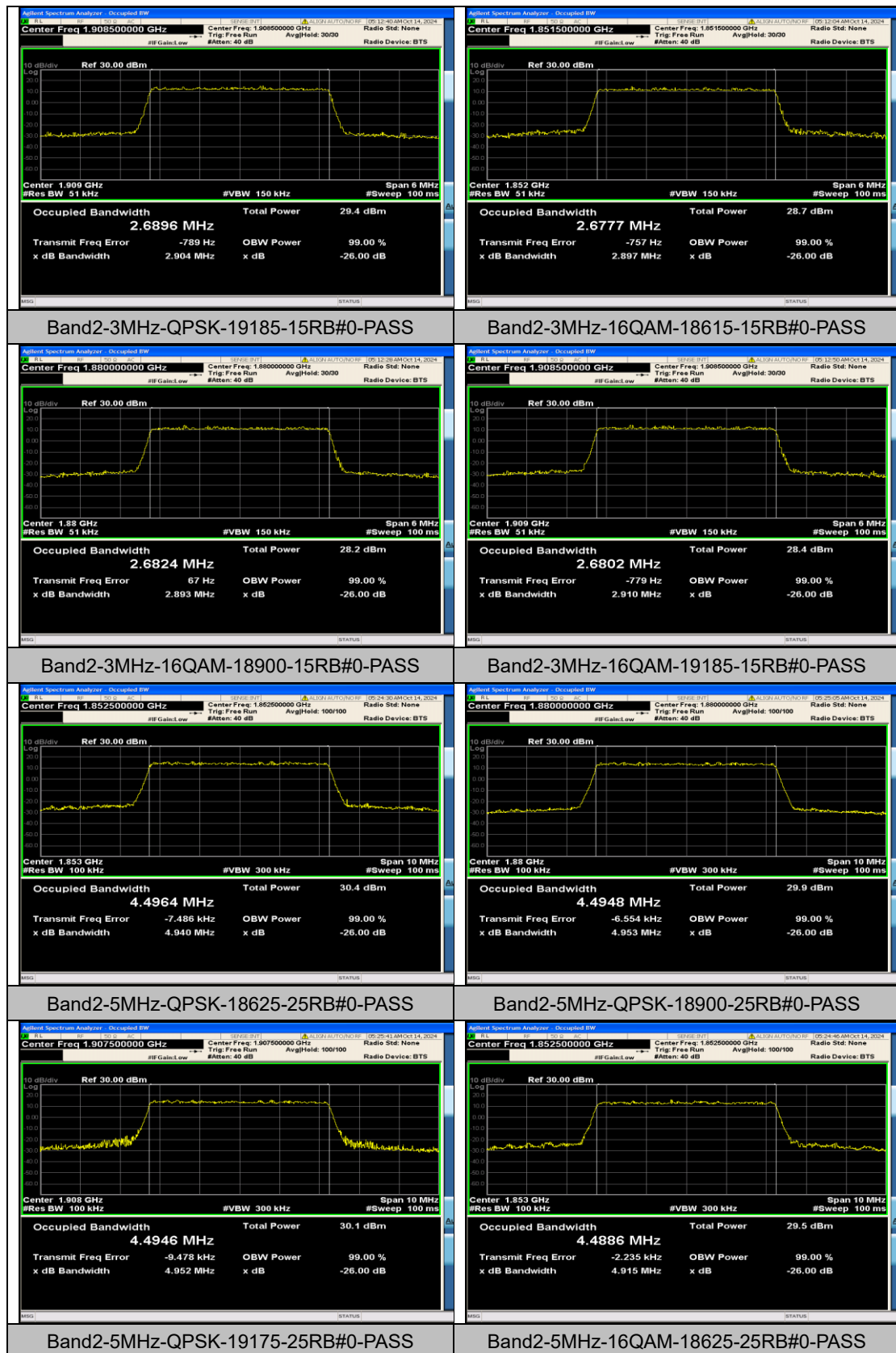
Test Result

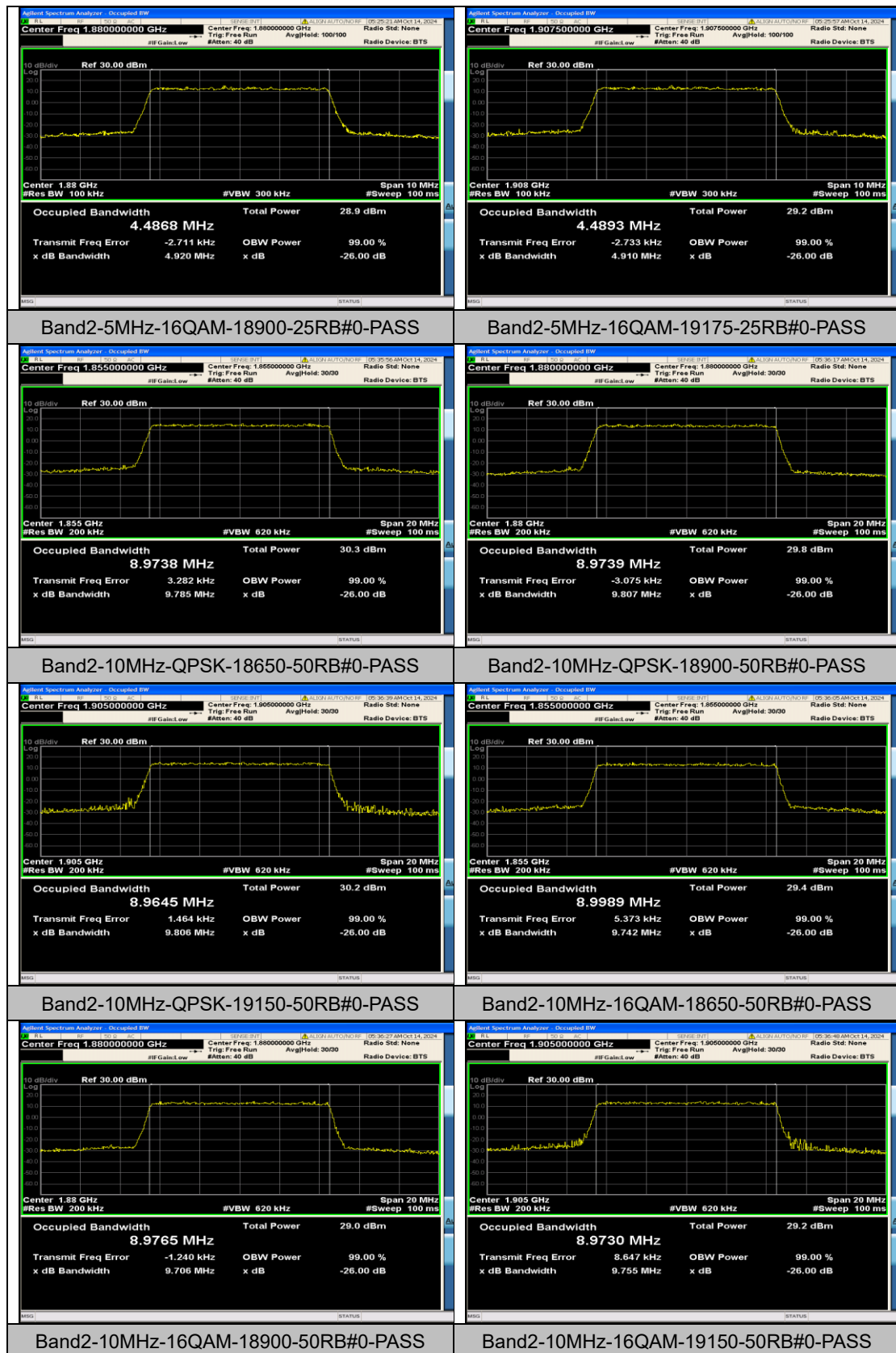
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0905	1.301	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0918	1.285	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0901	1.287	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0959	1.307	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0988	1.315	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0970	1.305	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6871	2.888	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6877	2.912	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6896	2.904	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6777	2.897	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6824	2.893	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6802	2.910	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.4964	4.940	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.4948	4.953	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.4946	4.952	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.4886	4.915	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.4868	4.920	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.4893	4.910	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9738	9.785	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9739	9.807	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9645	9.806	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9989	9.742	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9765	9.706	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9730	9.755	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.483	14.70	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.477	14.63	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.468	14.67	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.457	14.64	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.468	14.58	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.476	14.60	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.947	19.38	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.923	19.38	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.971	19.52	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.999	19.29	PASS

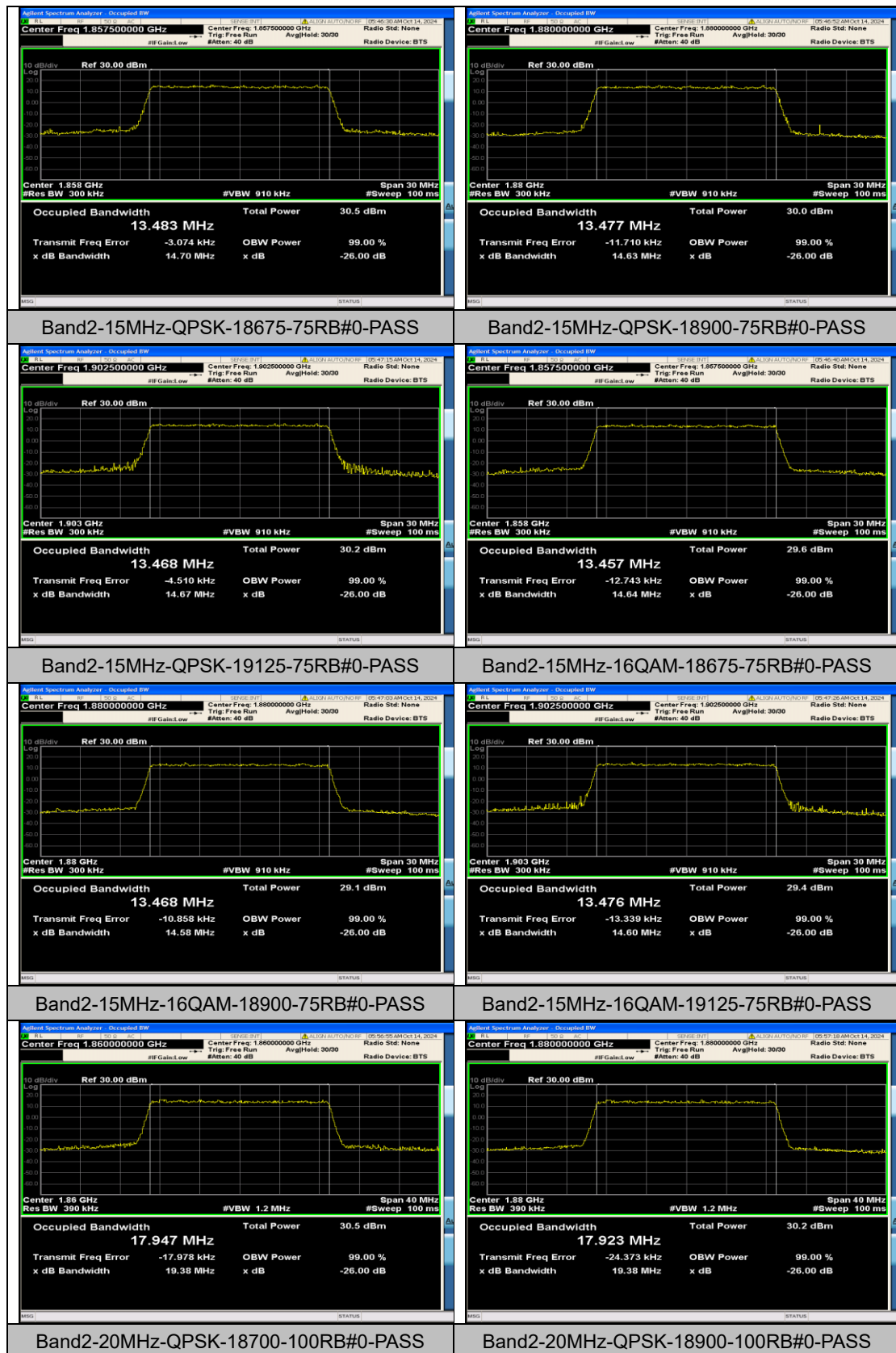
Band2	20MHz	16QAM	18900	100RB#0	17.953	19.38	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.965	19.36	PASS

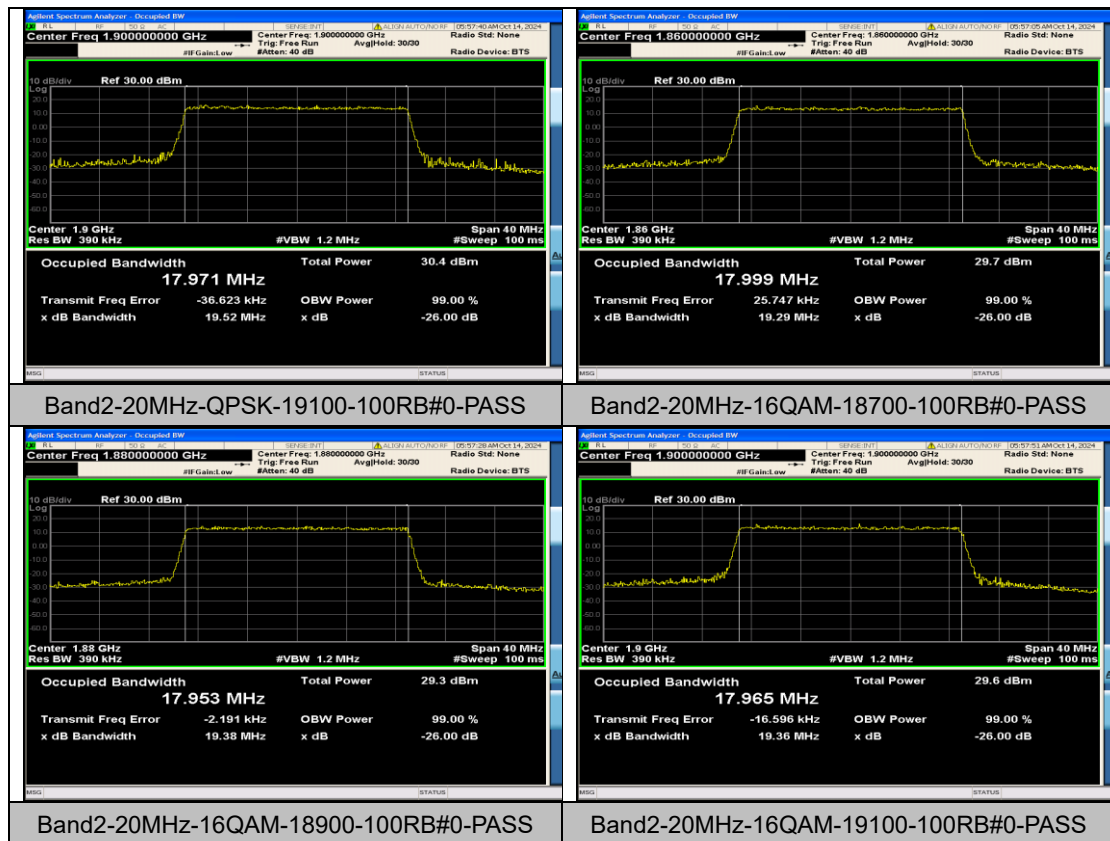
Test Graphs









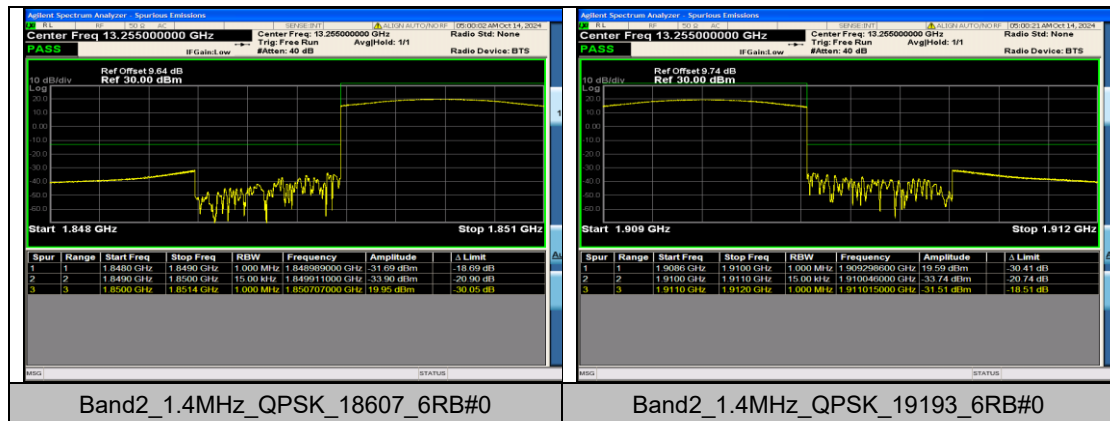


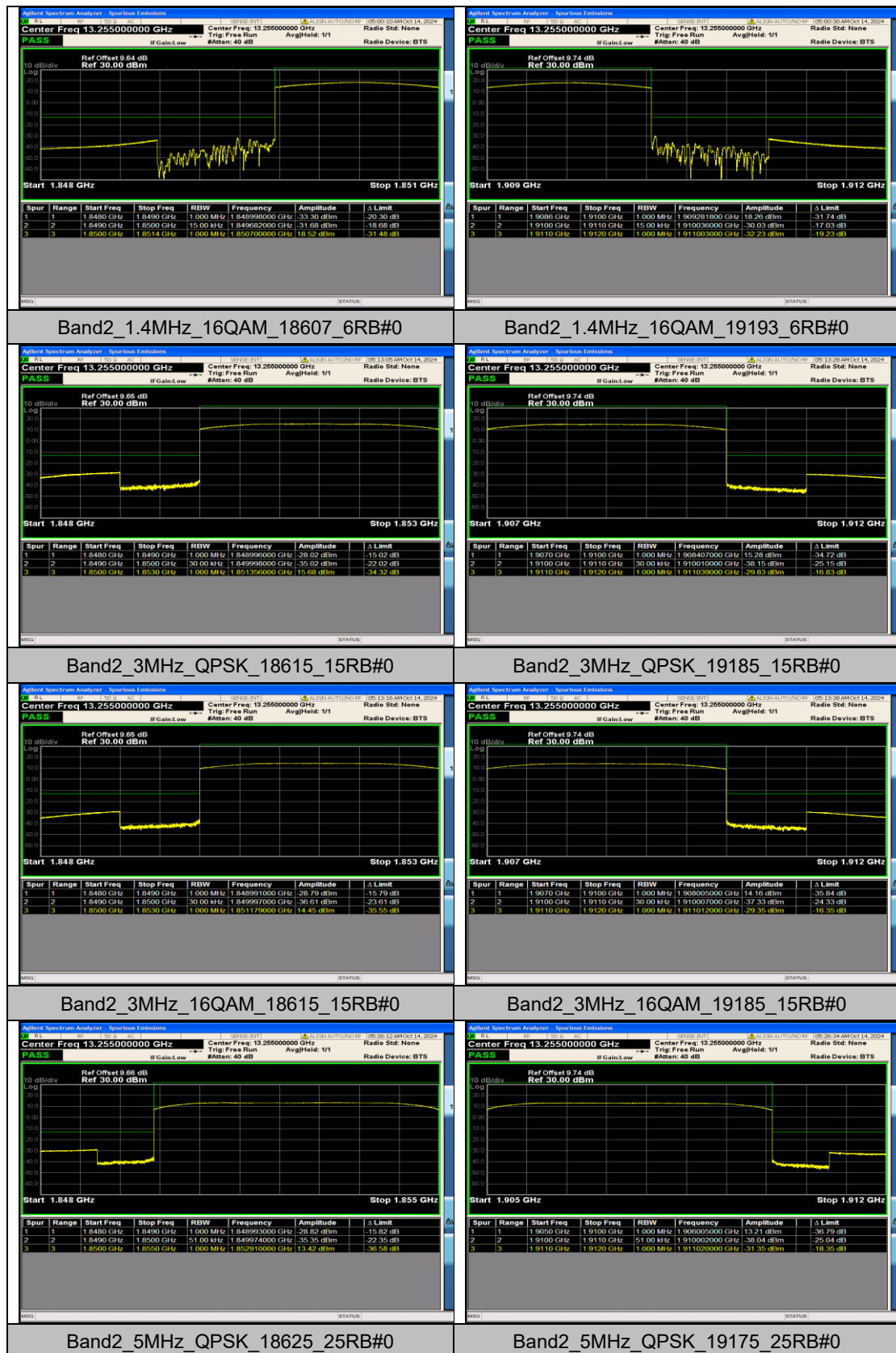
Appendix D: Band Edge

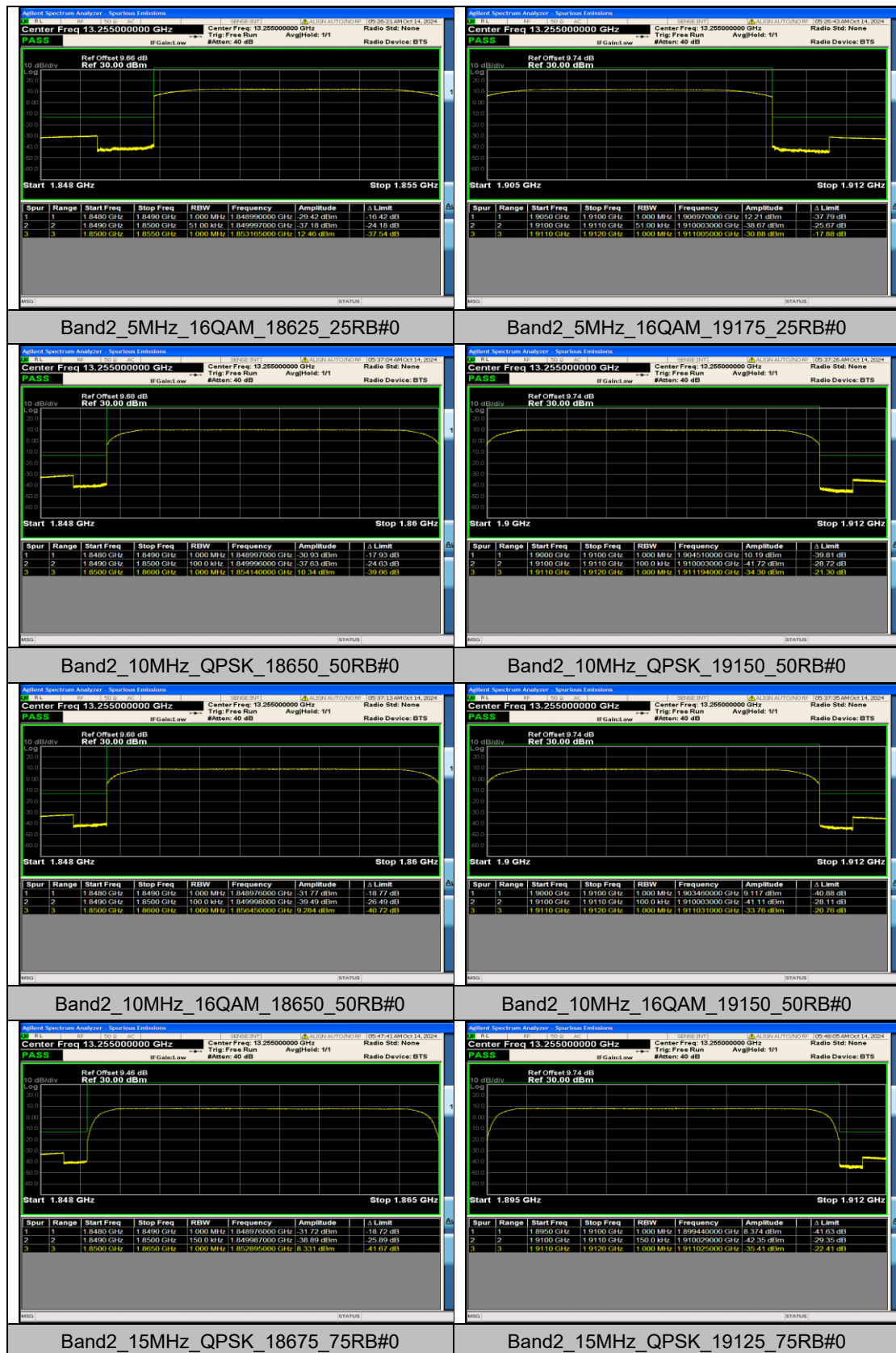
Test Result

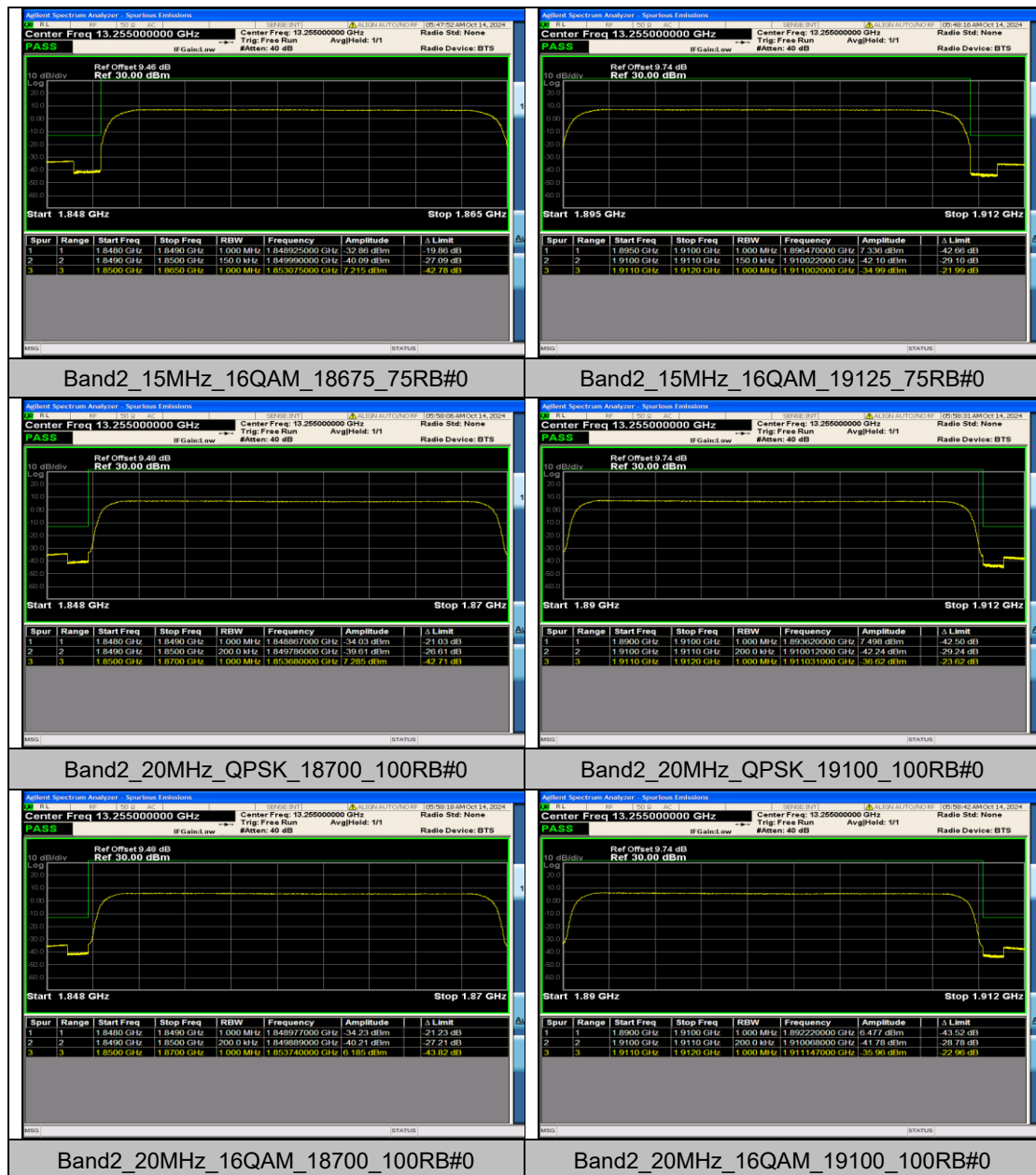
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	-31.69	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-31.51	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-31.68	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-30.03	PASS
Band2	3MHz	QPSK	18615	15RB#0	-28.02	PASS
Band2	3MHz	QPSK	19185	15RB#0	-29.83	PASS
Band2	3MHz	16QAM	18615	15RB#0	-28.79	PASS
Band2	3MHz	16QAM	19185	15RB#0	-29.35	PASS
Band2	5MHz	QPSK	18625	25RB#0	-28.82	PASS
Band2	5MHz	QPSK	19175	25RB#0	-31.35	PASS
Band2	5MHz	16QAM	18625	25RB#0	-29.42	PASS
Band2	5MHz	16QAM	19175	25RB#0	-30.88	PASS
Band2	10MHz	QPSK	18650	50RB#0	-30.93	PASS
Band2	10MHz	QPSK	19150	50RB#0	-34.30	PASS
Band2	10MHz	16QAM	18650	50RB#0	-31.77	PASS
Band2	10MHz	16QAM	19150	50RB#0	-33.76	PASS
Band2	15MHz	QPSK	18675	75RB#0	-31.72	PASS
Band2	15MHz	QPSK	19125	75RB#0	-35.41	PASS
Band2	15MHz	16QAM	18675	75RB#0	-32.86	PASS
Band2	15MHz	16QAM	19125	75RB#0	-34.99	PASS
Band2	20MHz	QPSK	18700	100RB#0	-34.03	PASS
Band2	20MHz	QPSK	19100	100RB#0	-36.62	PASS
Band2	20MHz	16QAM	18700	100RB#0	-34.23	PASS
Band2	20MHz	16QAM	19100	100RB#0	-35.96	PASS

Test Graphs









Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	0.009~0.15	-63.62	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	0.15~30	-54.24	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	30~1000	-61.83	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	1000~3000	-40.88	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	3000~20000	-32.98	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	0.009~0.15	-63.64	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	0.15~30	-52.16	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	30~1000	-61.94	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1000~3000	-40.69	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	3000~20000	-29.89	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	0.009~0.15	-63.30	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	0.15~30	-53.26	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	30~1000	-62.09	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1000~3000	-39.99	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	3000~20000	-27.20	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	0.009~0.15	-61.82	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	0.15~30	-53.27	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	30~1000	-62.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1000~3000	-40.85	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	3000~20000	-33.48	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	0.009~0.15	-61.72	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	0.15~30	-52.13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	30~1000	-62.02	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1000~3000	-41.69	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	3000~20000	-31.96	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	0.009~0.15	-63.78	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	0.15~30	-52.98	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	30~1000	-61.97	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1000~3000	-41.31	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	3000~20000	-29.14	PASS
Band2	3MHz	QPSK	18615	15RB#0	0.009~0.15	-61.40	PASS
Band2	3MHz	QPSK	18615	15RB#0	0.15~30	-53.26	PASS
Band2	3MHz	QPSK	18615	15RB#0	30~1000	-61.89	PASS
Band2	3MHz	QPSK	18615	15RB#0	1000~3000	-46.05	PASS
Band2	3MHz	QPSK	18615	15RB#0	3000~20000	-32.74	PASS
Band2	3MHz	QPSK	18900	15RB#0	0.009~0.15	-64.86	PASS

Band2	3MHz	QPSK	18900	15RB#0	0.15~30	-53.45	PASS
Band2	3MHz	QPSK	18900	15RB#0	30~1000	-61.95	PASS
Band2	3MHz	QPSK	18900	15RB#0	1000~3000	-46.03	PASS
Band2	3MHz	QPSK	18900	15RB#0	3000~20000	-34.95	PASS
Band2	3MHz	QPSK	19185	15RB#0	0.009~0.15	-64.52	PASS
Band2	3MHz	QPSK	19185	15RB#0	0.15~30	-53.10	PASS
Band2	3MHz	QPSK	19185	15RB#0	30~1000	-62.01	PASS
Band2	3MHz	QPSK	19185	15RB#0	1000~3000	-43.71	PASS
Band2	3MHz	QPSK	19185	15RB#0	3000~20000	-31.46	PASS
Band2	3MHz	16QAM	18615	15RB#0	0.009~0.15	-63.43	PASS
Band2	3MHz	16QAM	18615	15RB#0	0.15~30	-52.82	PASS
Band2	3MHz	16QAM	18615	15RB#0	30~1000	-61.73	PASS
Band2	3MHz	16QAM	18615	15RB#0	1000~3000	-46.19	PASS
Band2	3MHz	16QAM	18615	15RB#0	3000~20000	-33.82	PASS
Band2	3MHz	16QAM	18900	15RB#0	0.009~0.15	-64.47	PASS
Band2	3MHz	16QAM	18900	15RB#0	0.15~30	-51.91	PASS
Band2	3MHz	16QAM	18900	15RB#0	30~1000	-61.90	PASS
Band2	3MHz	16QAM	18900	15RB#0	1000~3000	-45.84	PASS
Band2	3MHz	16QAM	18900	15RB#0	3000~20000	-35.75	PASS
Band2	3MHz	16QAM	19185	15RB#0	0.009~0.15	-64.16	PASS
Band2	3MHz	16QAM	19185	15RB#0	0.15~30	-53.29	PASS
Band2	3MHz	16QAM	19185	15RB#0	30~1000	-61.87	PASS
Band2	3MHz	16QAM	19185	15RB#0	1000~3000	-45.12	PASS
Band2	3MHz	16QAM	19185	15RB#0	3000~20000	-32.46	PASS
Band2	5MHz	QPSK	18625	25RB#0	0.009~0.15	-62.11	PASS
Band2	5MHz	QPSK	18625	25RB#0	0.15~30	-54.50	PASS
Band2	5MHz	QPSK	18625	25RB#0	30~1000	-61.84	PASS
Band2	5MHz	QPSK	18625	25RB#0	1000~3000	-46.83	PASS
Band2	5MHz	QPSK	18625	25RB#0	3000~20000	-33.61	PASS
Band2	5MHz	QPSK	18900	25RB#0	0.009~0.15	-63.35	PASS
Band2	5MHz	QPSK	18900	25RB#0	0.15~30	-54.41	PASS
Band2	5MHz	QPSK	18900	25RB#0	30~1000	-61.86	PASS
Band2	5MHz	QPSK	18900	25RB#0	1000~3000	-46.72	PASS
Band2	5MHz	QPSK	18900	25RB#0	3000~20000	-36.89	PASS
Band2	5MHz	QPSK	19175	25RB#0	0.009~0.15	-66.22	PASS
Band2	5MHz	QPSK	19175	25RB#0	0.15~30	-50.91	PASS
Band2	5MHz	QPSK	19175	25RB#0	30~1000	-62.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	1000~3000	-45.45	PASS
Band2	5MHz	QPSK	19175	25RB#0	3000~20000	-33.40	PASS
Band2	5MHz	16QAM	18625	25RB#0	0.009~0.15	-64.11	PASS
Band2	5MHz	16QAM	18625	25RB#0	0.15~30	-53.20	PASS
Band2	5MHz	16QAM	18625	25RB#0	30~1000	-61.90	PASS
Band2	5MHz	16QAM	18625	25RB#0	1000~3000	-46.40	PASS

Band2	5MHz	16QAM	18625	25RB#0	3000~20000	-35.02	PASS
Band2	5MHz	16QAM	18900	25RB#0	0.009~0.15	-65.36	PASS
Band2	5MHz	16QAM	18900	25RB#0	0.15~30	-55.46	PASS
Band2	5MHz	16QAM	18900	25RB#0	30~1000	-62.06	PASS
Band2	5MHz	16QAM	18900	25RB#0	1000~3000	-46.52	PASS
Band2	5MHz	16QAM	18900	25RB#0	3000~20000	-37.86	PASS
Band2	5MHz	16QAM	19175	25RB#0	0.009~0.15	-64.10	PASS
Band2	5MHz	16QAM	19175	25RB#0	0.15~30	-54.72	PASS
Band2	5MHz	16QAM	19175	25RB#0	30~1000	-62.03	PASS
Band2	5MHz	16QAM	19175	25RB#0	1000~3000	-46.77	PASS
Band2	5MHz	16QAM	19175	25RB#0	3000~20000	-35.78	PASS
Band2	10MHz	QPSK	18650	50RB#0	0.009~0.15	-65.69	PASS
Band2	10MHz	QPSK	18650	50RB#0	0.15~30	-53.69	PASS
Band2	10MHz	QPSK	18650	50RB#0	30~1000	-61.98	PASS
Band2	10MHz	QPSK	18650	50RB#0	1000~3000	-46.40	PASS
Band2	10MHz	QPSK	18650	50RB#0	3000~20000	-37.21	PASS
Band2	10MHz	QPSK	18900	50RB#0	0.009~0.15	-62.62	PASS
Band2	10MHz	QPSK	18900	50RB#0	0.15~30	-53.20	PASS
Band2	10MHz	QPSK	18900	50RB#0	30~1000	-61.99	PASS
Band2	10MHz	QPSK	18900	50RB#0	1000~3000	-46.55	PASS
Band2	10MHz	QPSK	18900	50RB#0	3000~20000	-37.73	PASS
Band2	10MHz	QPSK	19150	50RB#0	0.009~0.15	-64.36	PASS
Band2	10MHz	QPSK	19150	50RB#0	0.15~30	-55.08	PASS
Band2	10MHz	QPSK	19150	50RB#0	30~1000	-61.59	PASS
Band2	10MHz	QPSK	19150	50RB#0	1000~3000	-46.48	PASS
Band2	10MHz	QPSK	19150	50RB#0	3000~20000	-37.17	PASS
Band2	10MHz	16QAM	18650	50RB#0	0.009~0.15	-67.41	PASS
Band2	10MHz	16QAM	18650	50RB#0	0.15~30	-54.60	PASS
Band2	10MHz	16QAM	18650	50RB#0	30~1000	-61.80	PASS
Band2	10MHz	16QAM	18650	50RB#0	1000~3000	-46.86	PASS
Band2	10MHz	16QAM	18650	50RB#0	3000~20000	-38.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	0.009~0.15	-62.13	PASS
Band2	10MHz	16QAM	18900	50RB#0	0.15~30	-53.54	PASS
Band2	10MHz	16QAM	18900	50RB#0	30~1000	-61.70	PASS
Band2	10MHz	16QAM	18900	50RB#0	1000~3000	-46.33	PASS
Band2	10MHz	16QAM	18900	50RB#0	3000~20000	-37.64	PASS
Band2	10MHz	16QAM	19150	50RB#0	0.009~0.15	-66.28	PASS
Band2	10MHz	16QAM	19150	50RB#0	0.15~30	-53.07	PASS
Band2	10MHz	16QAM	19150	50RB#0	30~1000	-61.99	PASS
Band2	10MHz	16QAM	19150	50RB#0	1000~3000	-46.44	PASS
Band2	10MHz	16QAM	19150	50RB#0	3000~20000	-37.43	PASS
Band2	15MHz	QPSK	18675	75RB#0	0.009~0.15	-62.60	PASS
Band2	15MHz	QPSK	18675	75RB#0	0.15~30	-53.57	PASS