

FCC LTE Band Test Data

FCC ID : 2BKLE-ARIES

Company: : Versa World Inc.

EUT : POC/IP Two Way Radio

Model Number : G232

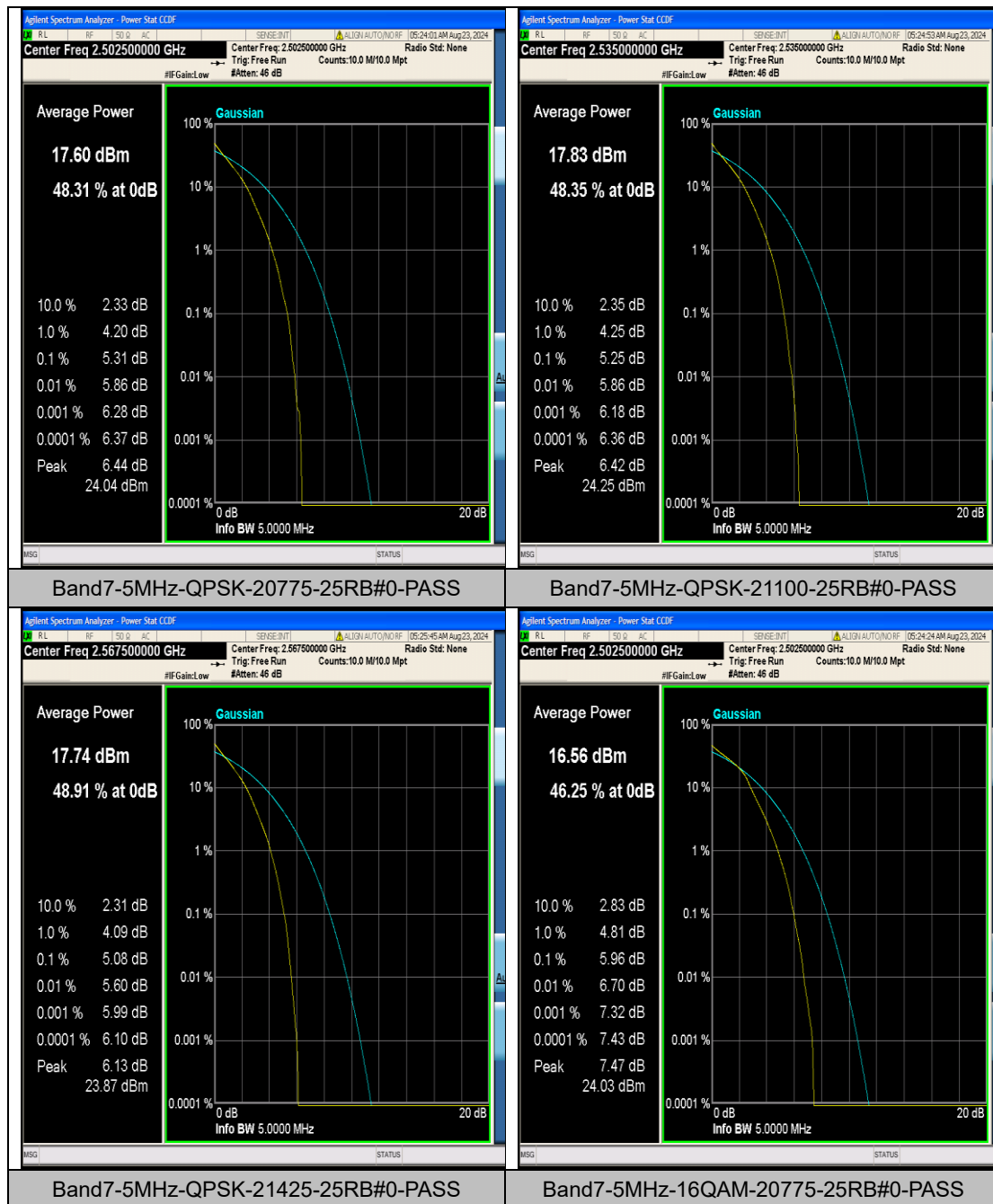
Reviewed By : Eric Wang

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	5.31	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.25	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.08	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.96	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.98	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.75	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.30	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.25	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.09	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	6.05	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.98	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.88	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.57	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.47	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.37	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.16	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.06	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.00	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.26	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.26	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.16	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.04	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.04	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.95	13	PASS

Test Graphs











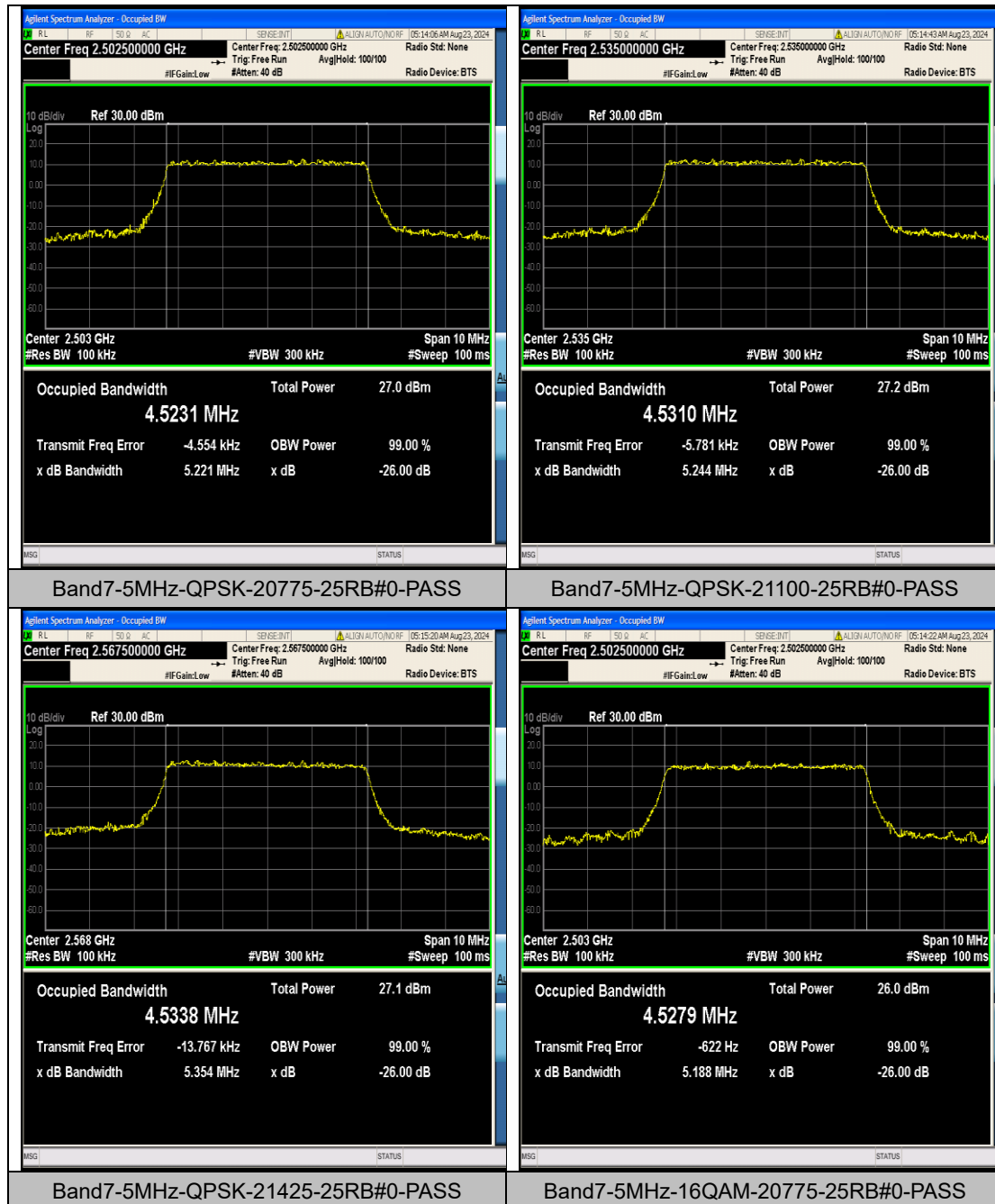


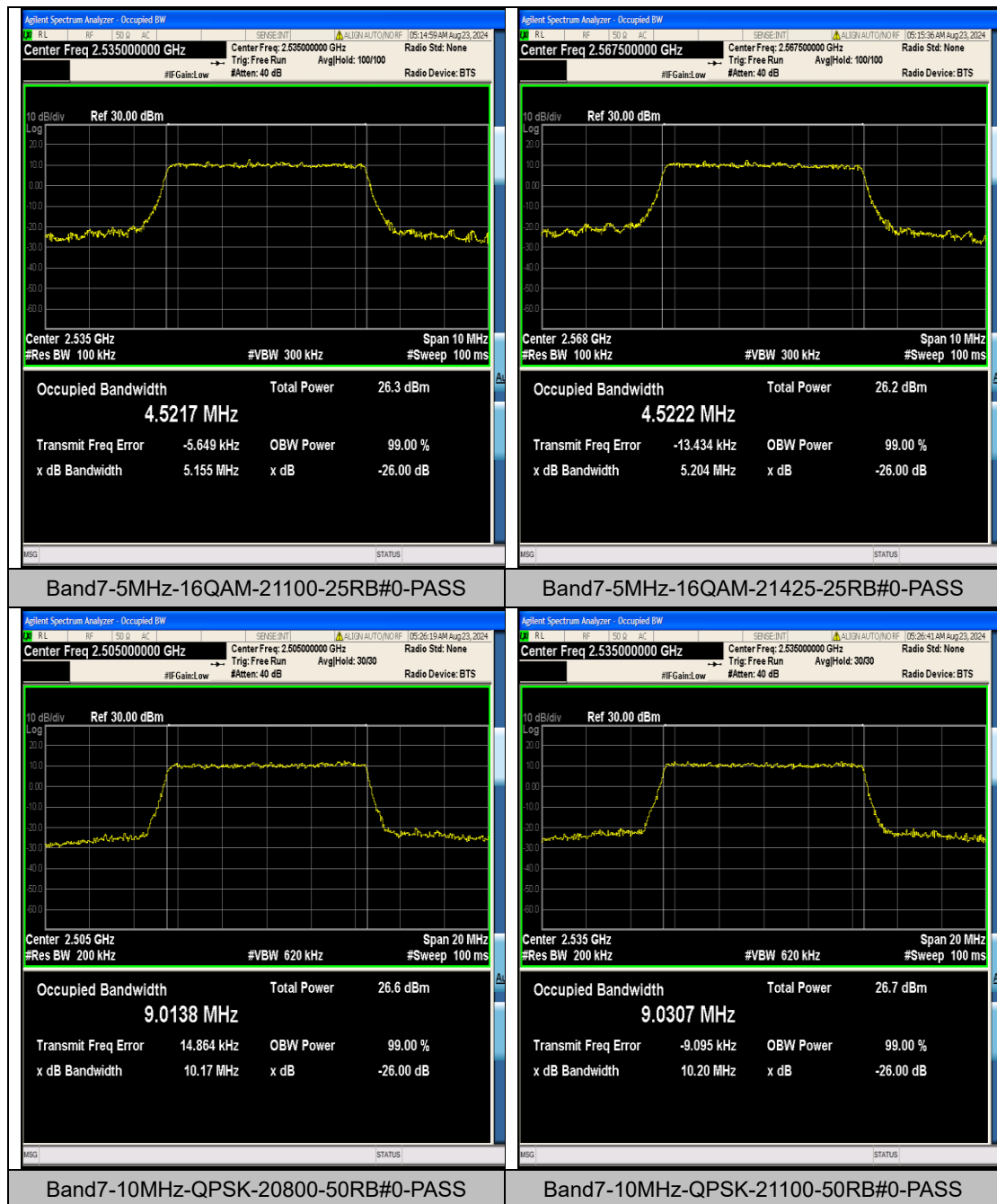
Appendix C: 26dB Bandwidth and Occupied Bandwidth

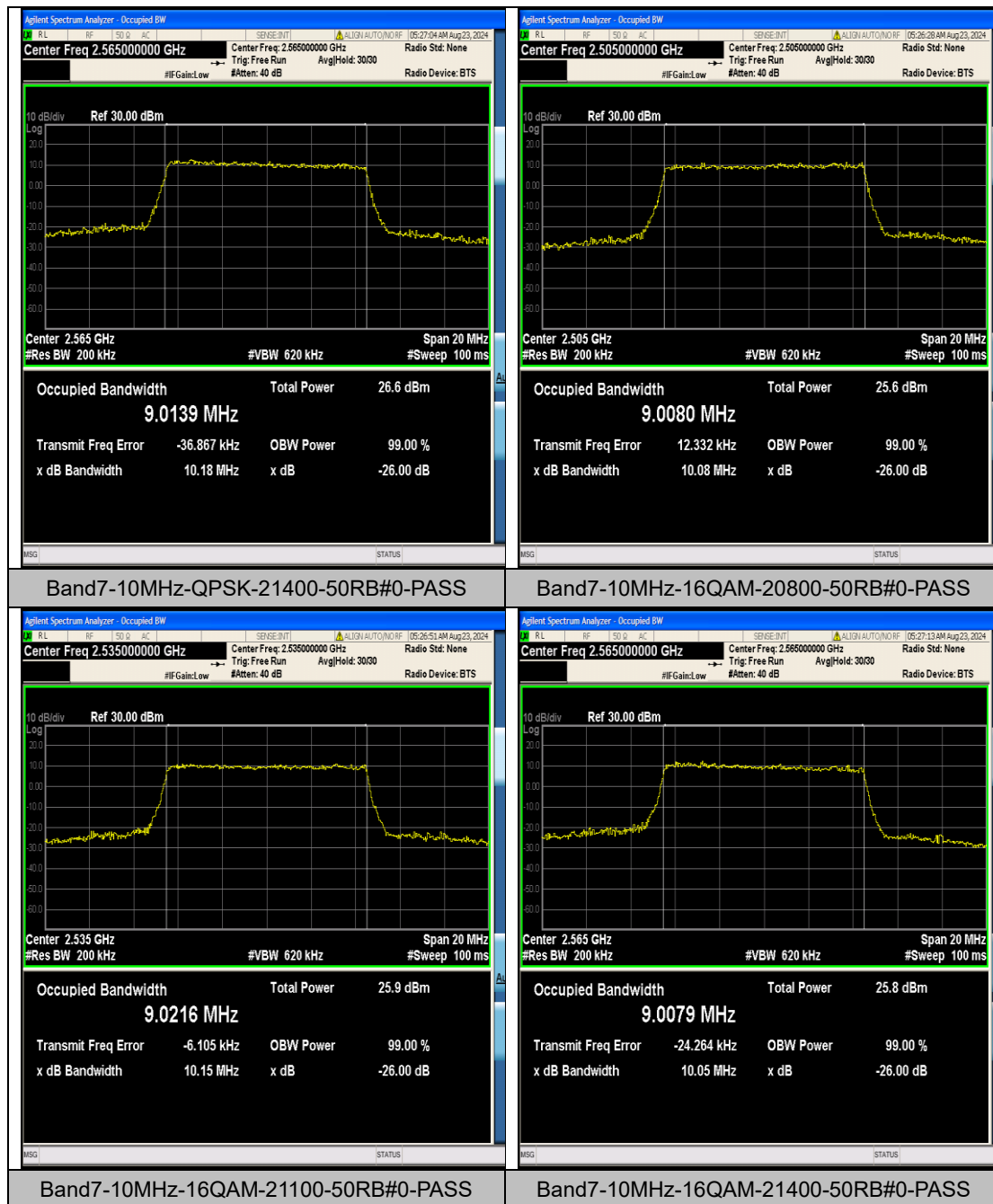
Test Result

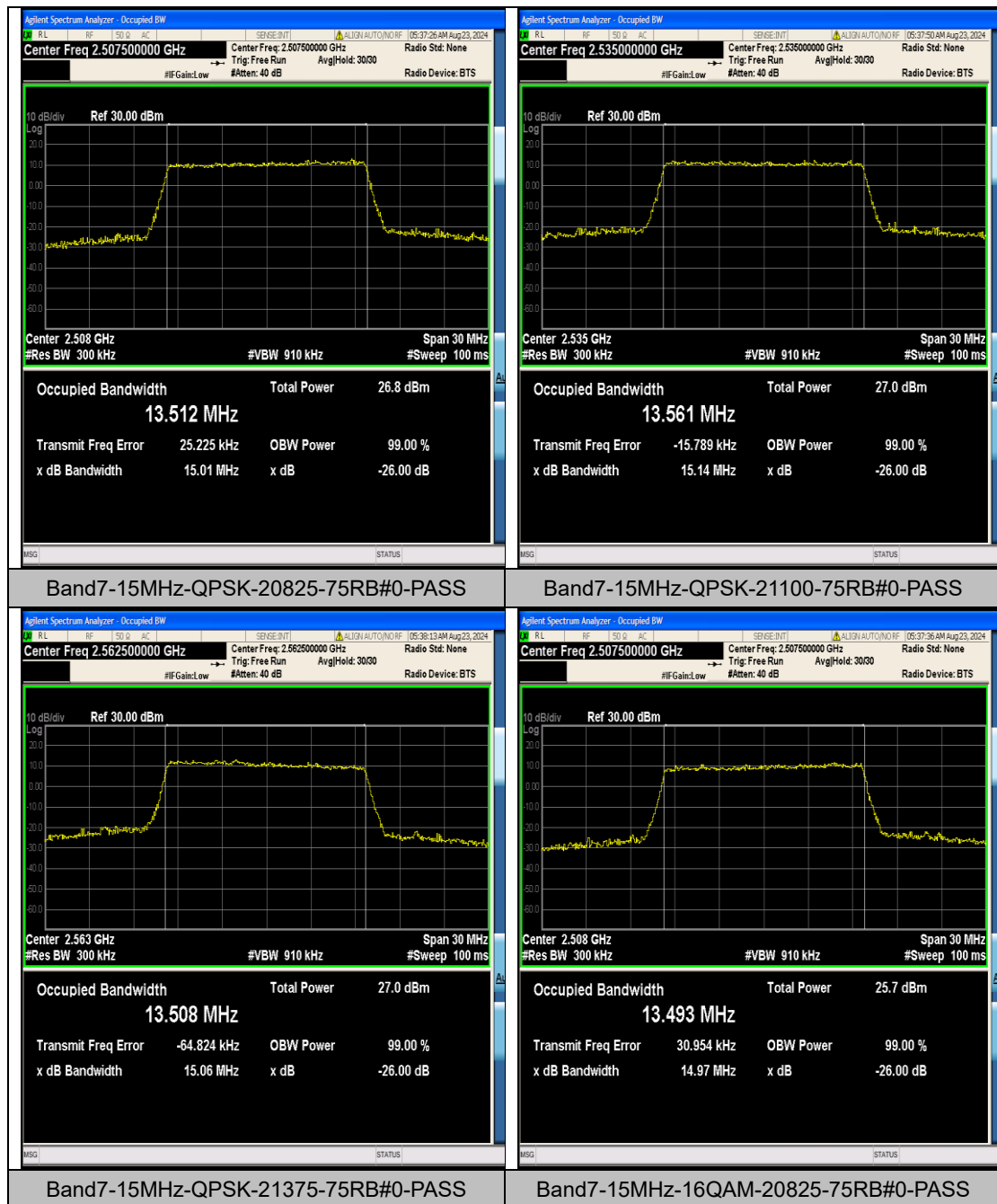
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5231	5.221	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5310	5.244	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5338	5.354	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5279	5.188	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5217	5.155	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5222	5.204	PASS
Band7	10MHz	QPSK	20800	50RB#0	9.0138	10.17	PASS
Band7	10MHz	QPSK	21100	50RB#0	9.0307	10.20	PASS
Band7	10MHz	QPSK	21400	50RB#0	9.0139	10.18	PASS
Band7	10MHz	16QAM	20800	50RB#0	9.0080	10.08	PASS
Band7	10MHz	16QAM	21100	50RB#0	9.0216	10.15	PASS
Band7	10MHz	16QAM	21400	50RB#0	9.0079	10.05	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.512	15.01	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.561	15.14	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.508	15.06	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.493	14.97	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.534	15.05	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.490	14.97	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.960	19.80	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.999	19.89	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.909	19.82	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.983	19.68	PASS
Band7	20MHz	16QAM	21100	100RB#0	18.046	19.87	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.895	19.56	PASS

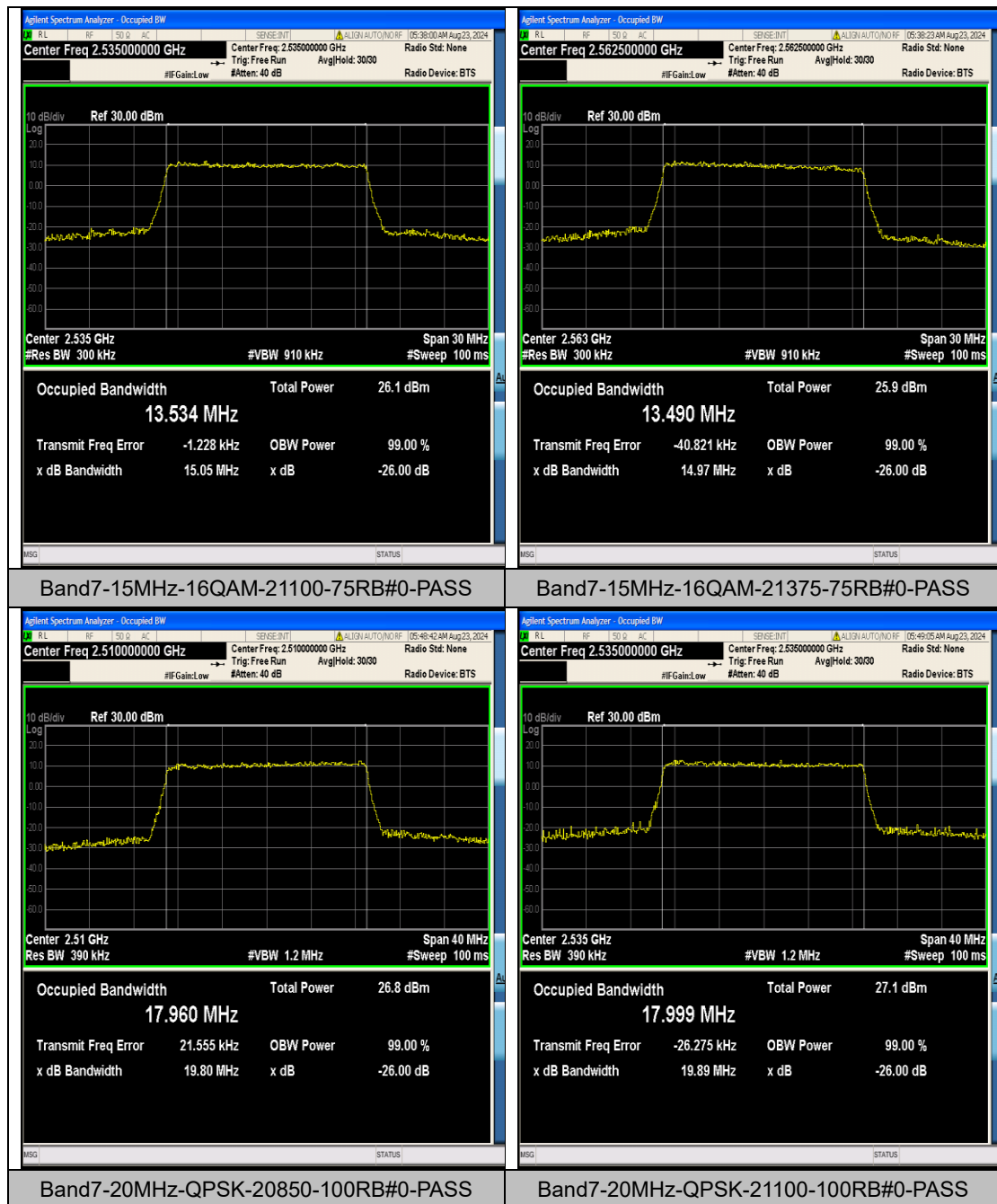
Test Graphs

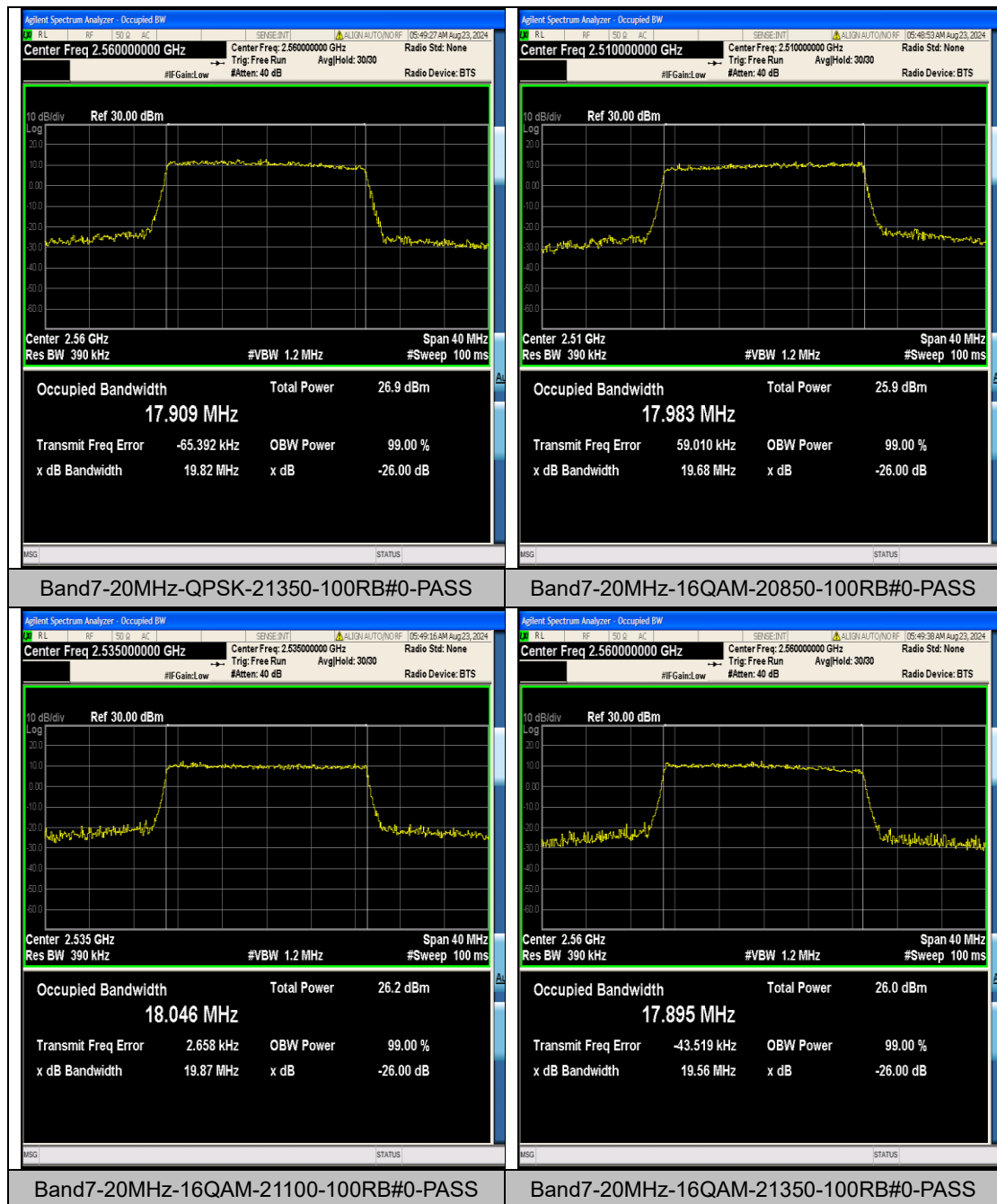










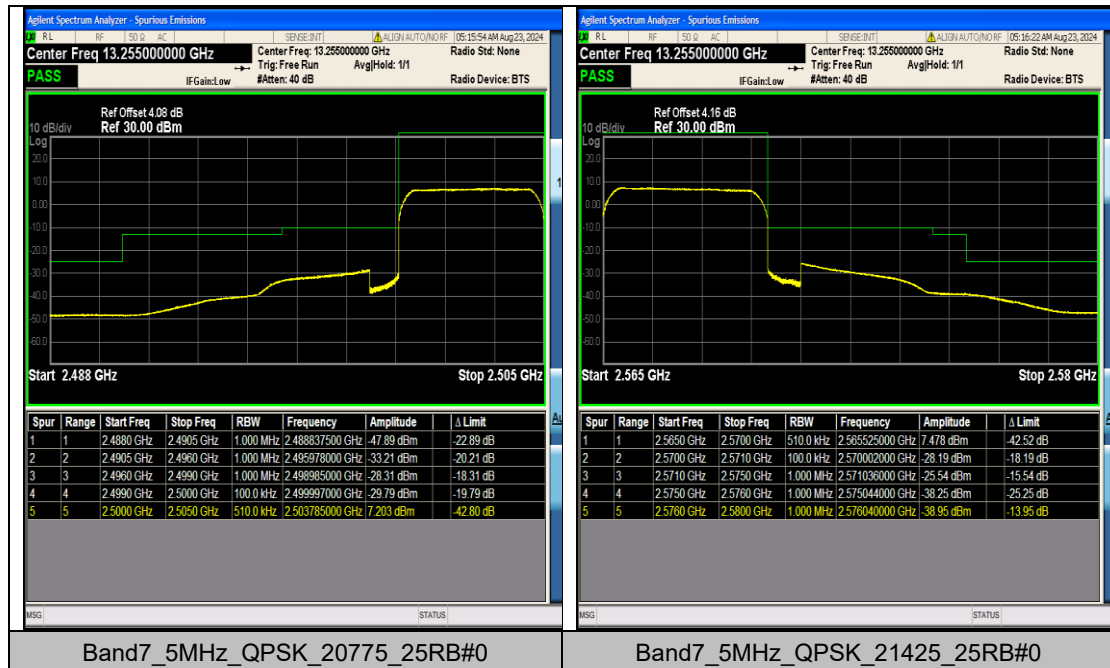


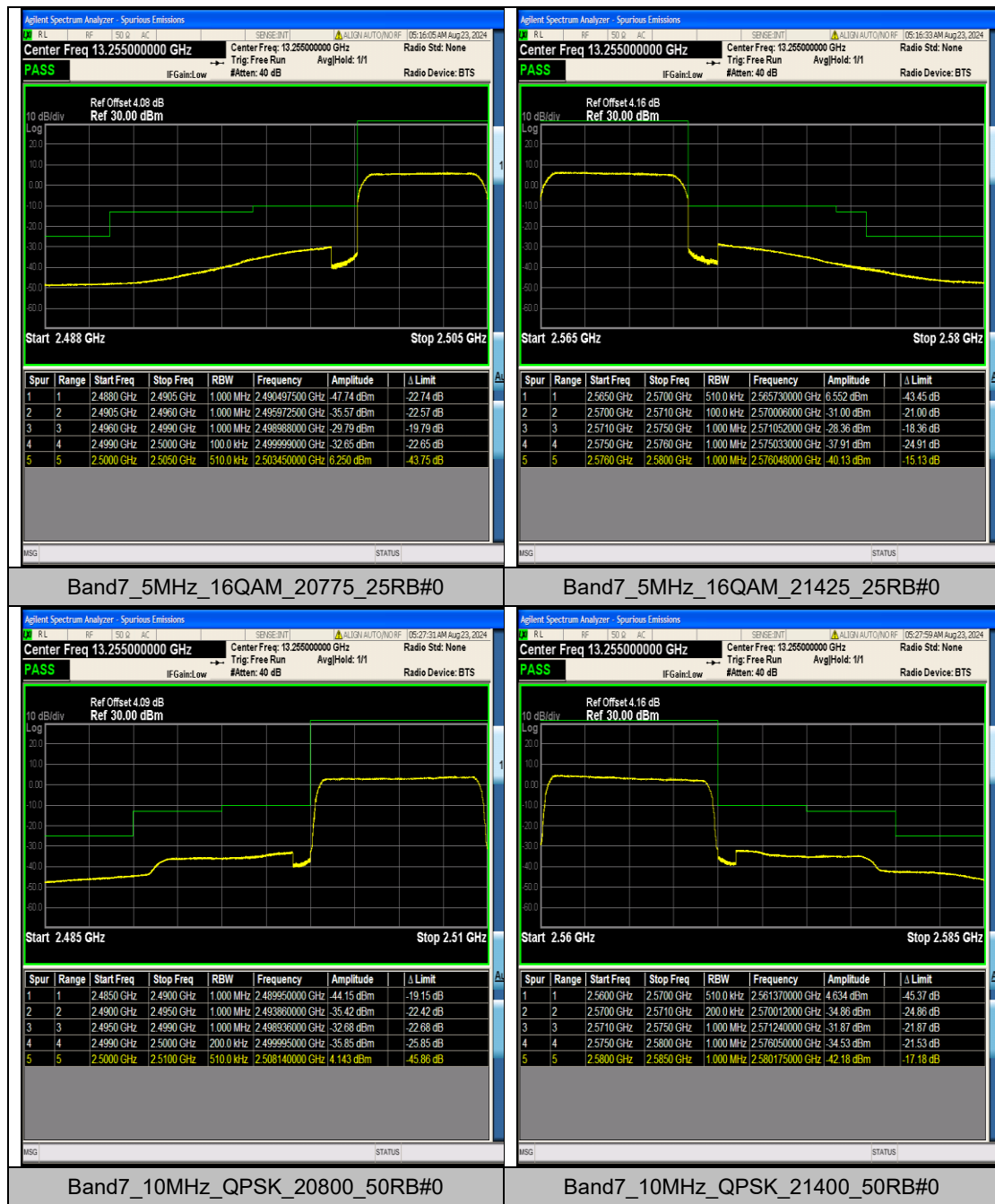
Appendix D: Band Edge

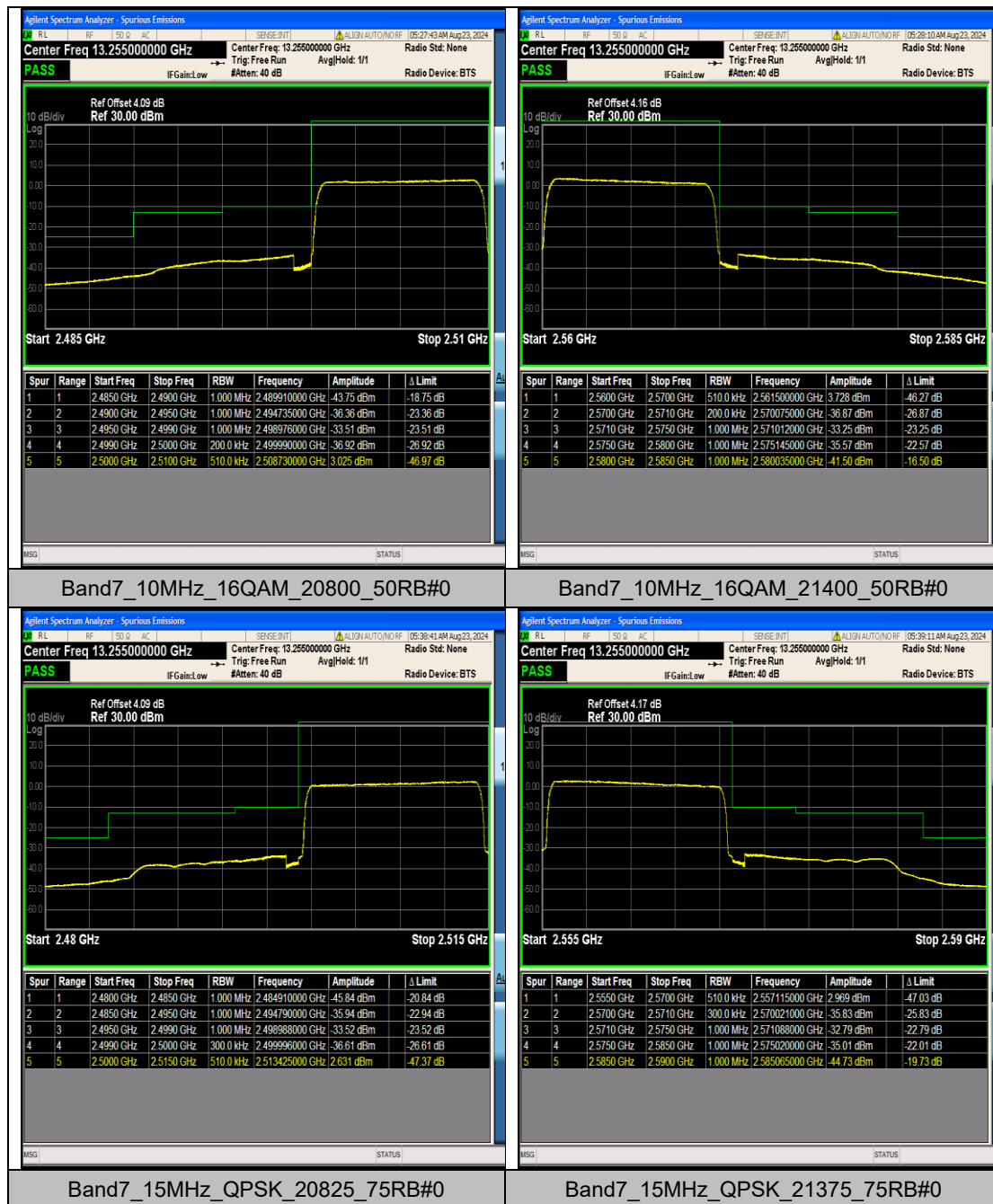
Test Result

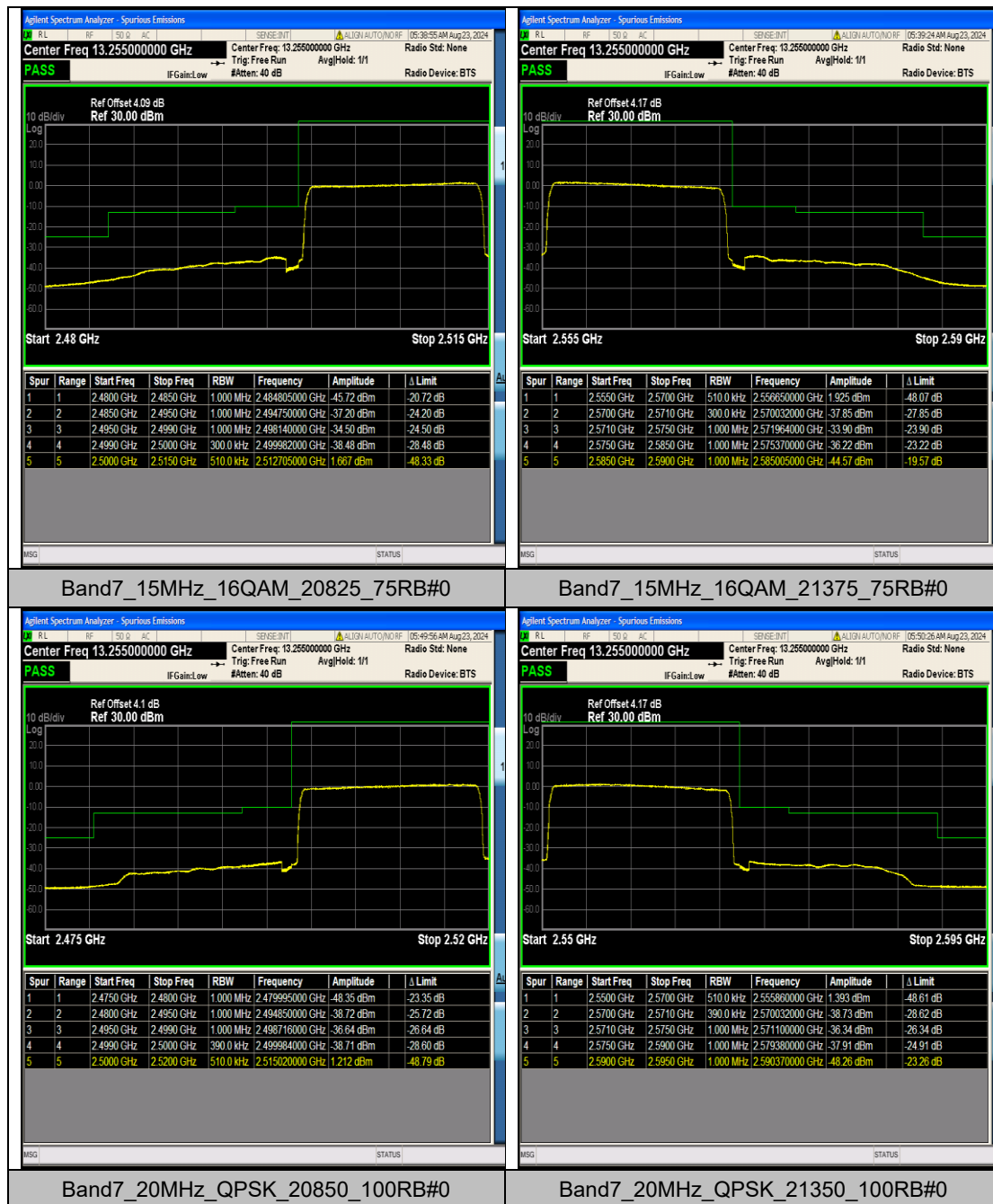
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	-28.31	PASS
Band7	5MHz	QPSK	21425	25RB#0	-38.95	PASS
Band7	5MHz	16QAM	20775	25RB#0	-29.79	PASS
Band7	5MHz	16QAM	21425	25RB#0	-40.13	PASS
Band7	10MHz	QPSK	20800	50RB#0	-44.15	PASS
Band7	10MHz	QPSK	21400	50RB#0	-42.18	PASS
Band7	10MHz	16QAM	20800	50RB#0	-43.75	PASS
Band7	10MHz	16QAM	21400	50RB#0	-41.50	PASS
Band7	15MHz	QPSK	20825	75RB#0	-45.84	PASS
Band7	15MHz	QPSK	21375	75RB#0	-44.73	PASS
Band7	15MHz	16QAM	20825	75RB#0	-45.72	PASS
Band7	15MHz	16QAM	21375	75RB#0	-44.57	PASS
Band7	20MHz	QPSK	20850	100RB#0	-48.35	PASS
Band7	20MHz	QPSK	21350	100RB#0	-48.26	PASS
Band7	20MHz	16QAM	20850	100RB#0	-48.32	PASS
Band7	20MHz	16QAM	21350	100RB#0	-48.28	PASS

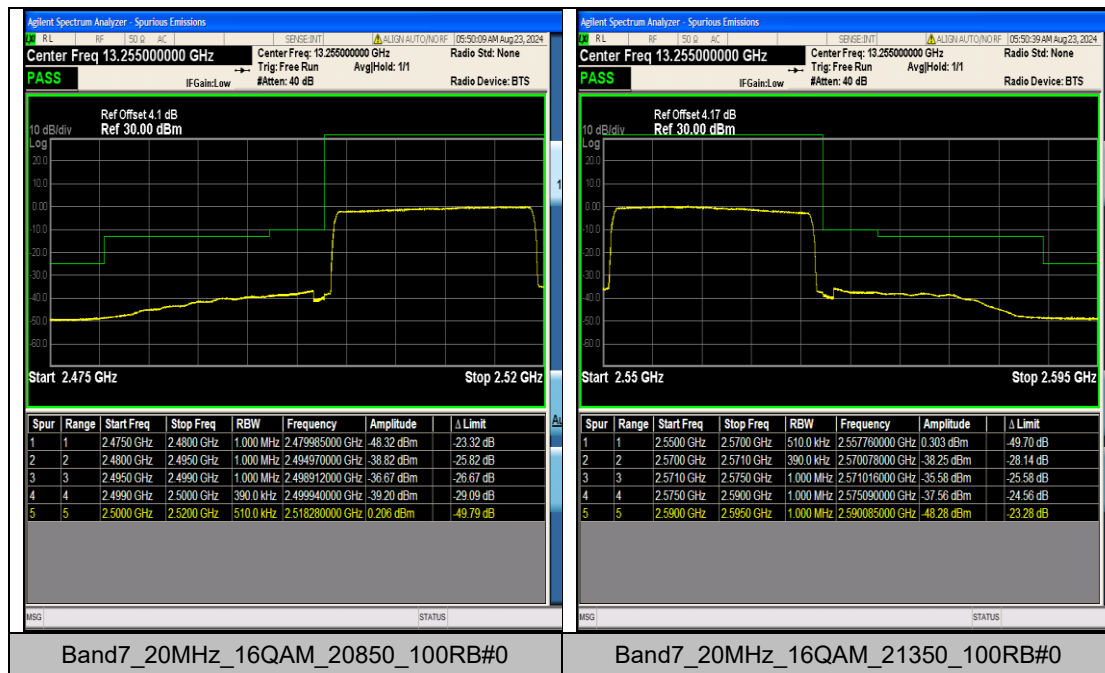
Test Graphs











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	-73.96	PASS
Band7	5MHz	QPSK	20775	25RB#0	0.15~30	-67.68	PASS
Band7	5MHz	QPSK	20775	25RB#0	30~1000	-66.85	PASS
Band7	5MHz	QPSK	20775	25RB#0	1000~20000	-45.83	PASS
Band7	5MHz	QPSK	20775	25RB#0	20000~27000	-38.95	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.009~0.15	-74.93	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.15~30	-70.09	PASS
Band7	5MHz	QPSK	21100	25RB#0	30~1000	-66.95	PASS
Band7	5MHz	QPSK	21100	25RB#0	1000~20000	-45.08	PASS
Band7	5MHz	QPSK	21100	25RB#0	20000~27000	-38.95	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.009~0.15	-72.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.15~30	-68.37	PASS
Band7	5MHz	QPSK	21425	25RB#0	30~1000	-66.52	PASS
Band7	5MHz	QPSK	21425	25RB#0	1000~20000	-44.81	PASS
Band7	5MHz	QPSK	21425	25RB#0	20000~27000	-39.39	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.009~0.15	-73.38	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.15~30	-67.15	PASS
Band7	5MHz	16QAM	20775	25RB#0	30~1000	-66.65	PASS
Band7	5MHz	16QAM	20775	25RB#0	1000~20000	-45.25	PASS
Band7	5MHz	16QAM	20775	25RB#0	20000~27000	-38.95	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.009~0.15	-74.29	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.15~30	-69.04	PASS
Band7	5MHz	16QAM	21100	25RB#0	30~1000	-66.91	PASS
Band7	5MHz	16QAM	21100	25RB#0	1000~20000	-45.55	PASS
Band7	5MHz	16QAM	21100	25RB#0	20000~27000	-38.94	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.009~0.15	-73.76	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.15~30	-69.61	PASS
Band7	5MHz	16QAM	21425	25RB#0	30~1000	-66.31	PASS
Band7	5MHz	16QAM	21425	25RB#0	1000~20000	-45.56	PASS
Band7	5MHz	16QAM	21425	25RB#0	20000~27000	-38.93	PASS
Band7	10MHz	QPSK	20800	50RB#0	0.009~0.15	-69.68	PASS
Band7	10MHz	QPSK	20800	50RB#0	0.15~30	-67.81	PASS
Band7	10MHz	QPSK	20800	50RB#0	30~1000	-66.73	PASS
Band7	10MHz	QPSK	20800	50RB#0	1000~20000	-45.85	PASS
Band7	10MHz	QPSK	20800	50RB#0	20000~27000	-39.11	PASS
Band7	10MHz	QPSK	21100	50RB#0	0.009~0.15	-75.54	PASS

Band7	10MHz	QPSK	21100	50RB#0	0.15~30	-68.59	PASS
Band7	10MHz	QPSK	21100	50RB#0	30~1000	-66.84	PASS
Band7	10MHz	QPSK	21100	50RB#0	1000~20000	-45.78	PASS
Band7	10MHz	QPSK	21100	50RB#0	20000~27000	-39.16	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.009~0.15	-72.57	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.15~30	-69.50	PASS
Band7	10MHz	QPSK	21400	50RB#0	30~1000	-66.87	PASS
Band7	10MHz	QPSK	21400	50RB#0	1000~20000	-45.74	PASS
Band7	10MHz	QPSK	21400	50RB#0	20000~27000	-39.17	PASS
Band7	10MHz	16QAM	20800	50RB#0	0.009~0.15	-74.97	PASS
Band7	10MHz	16QAM	20800	50RB#0	0.15~30	-69.84	PASS
Band7	10MHz	16QAM	20800	50RB#0	30~1000	-66.60	PASS
Band7	10MHz	16QAM	20800	50RB#0	1000~20000	-45.80	PASS
Band7	10MHz	16QAM	20800	50RB#0	20000~27000	-39.23	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.009~0.15	-73.73	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.15~30	-68.31	PASS
Band7	10MHz	16QAM	21100	50RB#0	30~1000	-66.95	PASS
Band7	10MHz	16QAM	21100	50RB#0	1000~20000	-45.73	PASS
Band7	10MHz	16QAM	21100	50RB#0	20000~27000	-39.15	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.009~0.15	-73.62	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.15~30	-64.63	PASS
Band7	10MHz	16QAM	21400	50RB#0	30~1000	-66.99	PASS
Band7	10MHz	16QAM	21400	50RB#0	1000~20000	-45.98	PASS
Band7	10MHz	16QAM	21400	50RB#0	20000~27000	-39.35	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.009~0.15	-72.68	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.15~30	-68.62	PASS
Band7	15MHz	QPSK	20825	75RB#0	30~1000	-66.90	PASS
Band7	15MHz	QPSK	20825	75RB#0	1000~20000	-45.64	PASS
Band7	15MHz	QPSK	20825	75RB#0	20000~27000	-39.18	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.009~0.15	-73.69	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.15~30	-69.22	PASS
Band7	15MHz	QPSK	21100	75RB#0	30~1000	-66.88	PASS
Band7	15MHz	QPSK	21100	75RB#0	1000~20000	-46.05	PASS
Band7	15MHz	QPSK	21100	75RB#0	20000~27000	-39.23	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.009~0.15	-71.41	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.15~30	-69.26	PASS
Band7	15MHz	QPSK	21375	75RB#0	30~1000	-66.63	PASS
Band7	15MHz	QPSK	21375	75RB#0	1000~20000	-45.19	PASS
Band7	15MHz	QPSK	21375	75RB#0	20000~27000	-39.46	PASS
Band7	15MHz	16QAM	20825	75RB#0	0.009~0.15	-75.65	PASS
Band7	15MHz	16QAM	20825	75RB#0	0.15~30	-68.43	PASS
Band7	15MHz	16QAM	20825	75RB#0	30~1000	-66.72	PASS
Band7	15MHz	16QAM	20825	75RB#0	1000~20000	-45.86	PASS

Band7	15MHz	16QAM	20825	75RB#0	20000~27000	-39.30	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.009~0.15	-75.28	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.15~30	-67.05	PASS
Band7	15MHz	16QAM	21100	75RB#0	30~1000	-65.96	PASS
Band7	15MHz	16QAM	21100	75RB#0	1000~20000	-45.32	PASS
Band7	15MHz	16QAM	21100	75RB#0	20000~27000	-39.44	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.009~0.15	-72.37	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.15~30	-67.80	PASS
Band7	15MHz	16QAM	21375	75RB#0	30~1000	-66.67	PASS
Band7	15MHz	16QAM	21375	75RB#0	1000~20000	-46.08	PASS
Band7	15MHz	16QAM	21375	75RB#0	20000~27000	-39.33	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.009~0.15	-75.88	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.15~30	-68.85	PASS
Band7	20MHz	QPSK	20850	100RB#0	30~1000	-66.82	PASS
Band7	20MHz	QPSK	20850	100RB#0	1000~20000	-45.73	PASS
Band7	20MHz	QPSK	20850	100RB#0	20000~27000	-39.41	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.009~0.15	-72.40	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.15~30	-67.47	PASS
Band7	20MHz	QPSK	21100	100RB#0	30~1000	-66.92	PASS
Band7	20MHz	QPSK	21100	100RB#0	1000~20000	-45.72	PASS
Band7	20MHz	QPSK	21100	100RB#0	20000~27000	-39.06	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.009~0.15	-71.80	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.15~30	-68.18	PASS
Band7	20MHz	QPSK	21350	100RB#0	30~1000	-66.50	PASS
Band7	20MHz	QPSK	21350	100RB#0	1000~20000	-45.38	PASS
Band7	20MHz	QPSK	21350	100RB#0	20000~27000	-39.21	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.009~0.15	-74.25	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.15~30	-68.93	PASS
Band7	20MHz	16QAM	20850	100RB#0	30~1000	-66.64	PASS
Band7	20MHz	16QAM	20850	100RB#0	1000~20000	-46.23	PASS
Band7	20MHz	16QAM	20850	100RB#0	20000~27000	-39.22	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.009~0.15	-75.43	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.15~30	-69.89	PASS
Band7	20MHz	16QAM	21100	100RB#0	30~1000	-66.63	PASS
Band7	20MHz	16QAM	21100	100RB#0	1000~20000	-46.16	PASS
Band7	20MHz	16QAM	21100	100RB#0	20000~27000	-39.28	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.009~0.15	-73.61	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.15~30	-67.57	PASS
Band7	20MHz	16QAM	21350	100RB#0	30~1000	-66.63	PASS
Band7	20MHz	16QAM	21350	100RB#0	1000~20000	-45.71	PASS
Band7	20MHz	16QAM	21350	100RB#0	20000~27000	-39.28	PASS

Test Graphs

