

FCC Appendix RF Test Data for LTE Band 7

FCC ID : 2BYEV-ORIGOT108

Company : SHENZHEN DANFOO TECHNOLOGY CO.,LTD.

EUT : Smart Bee Box

Model Number : ORIGO T108

Report No. : CTA26062401105

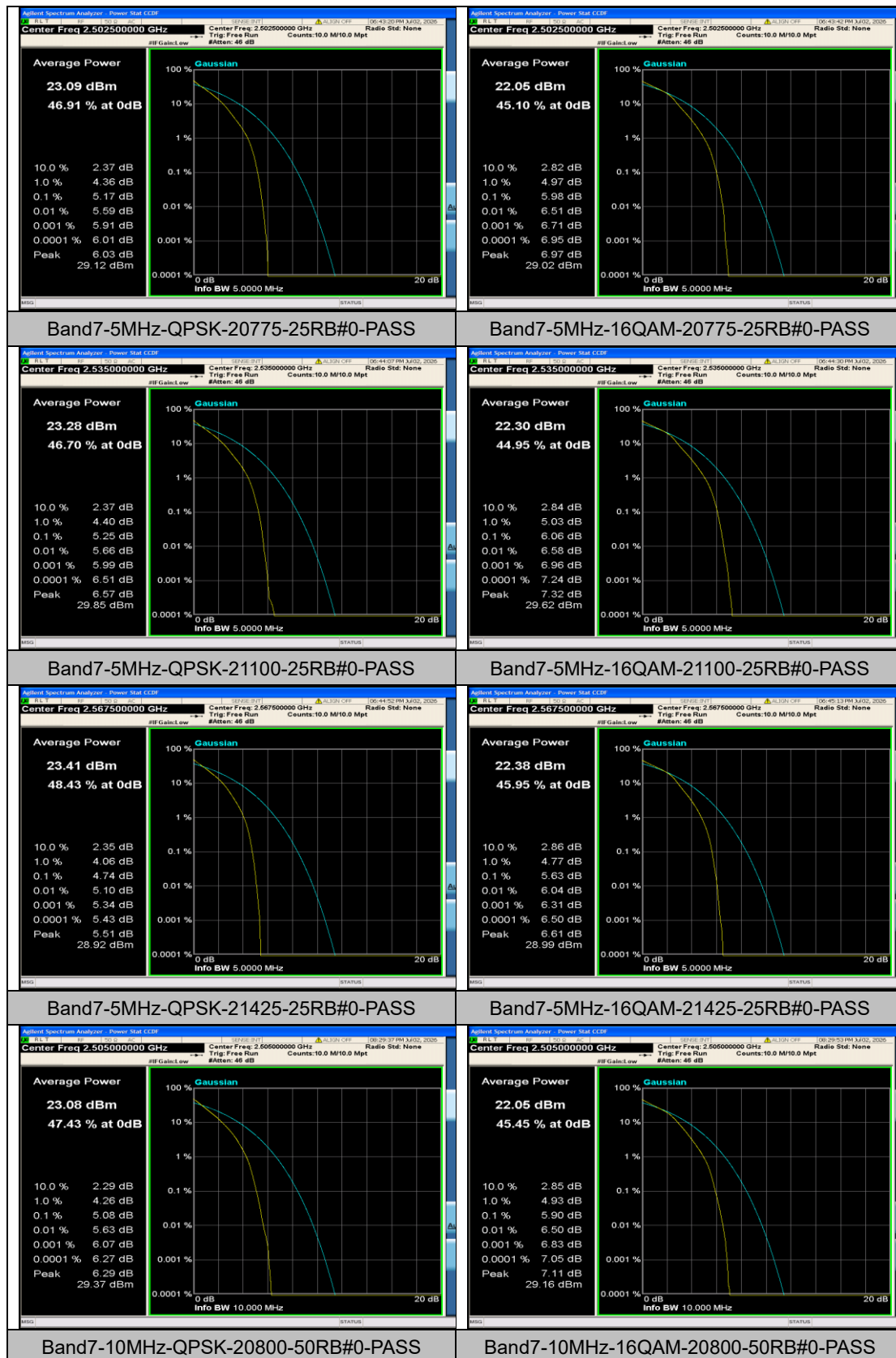
Reviewed By : Eric Wang

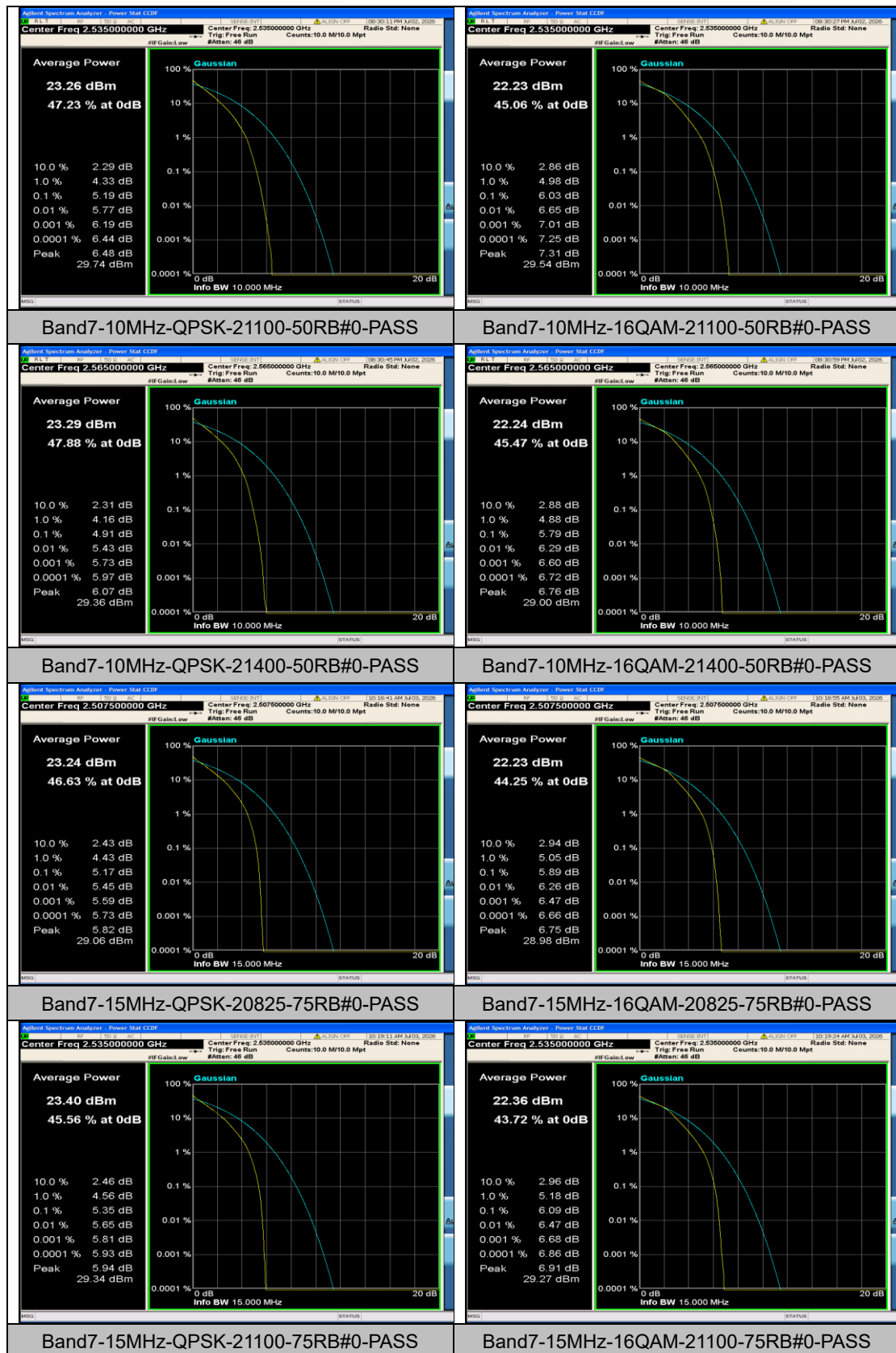
Appendix B: Peak-to-Average Ratio(CCDF)

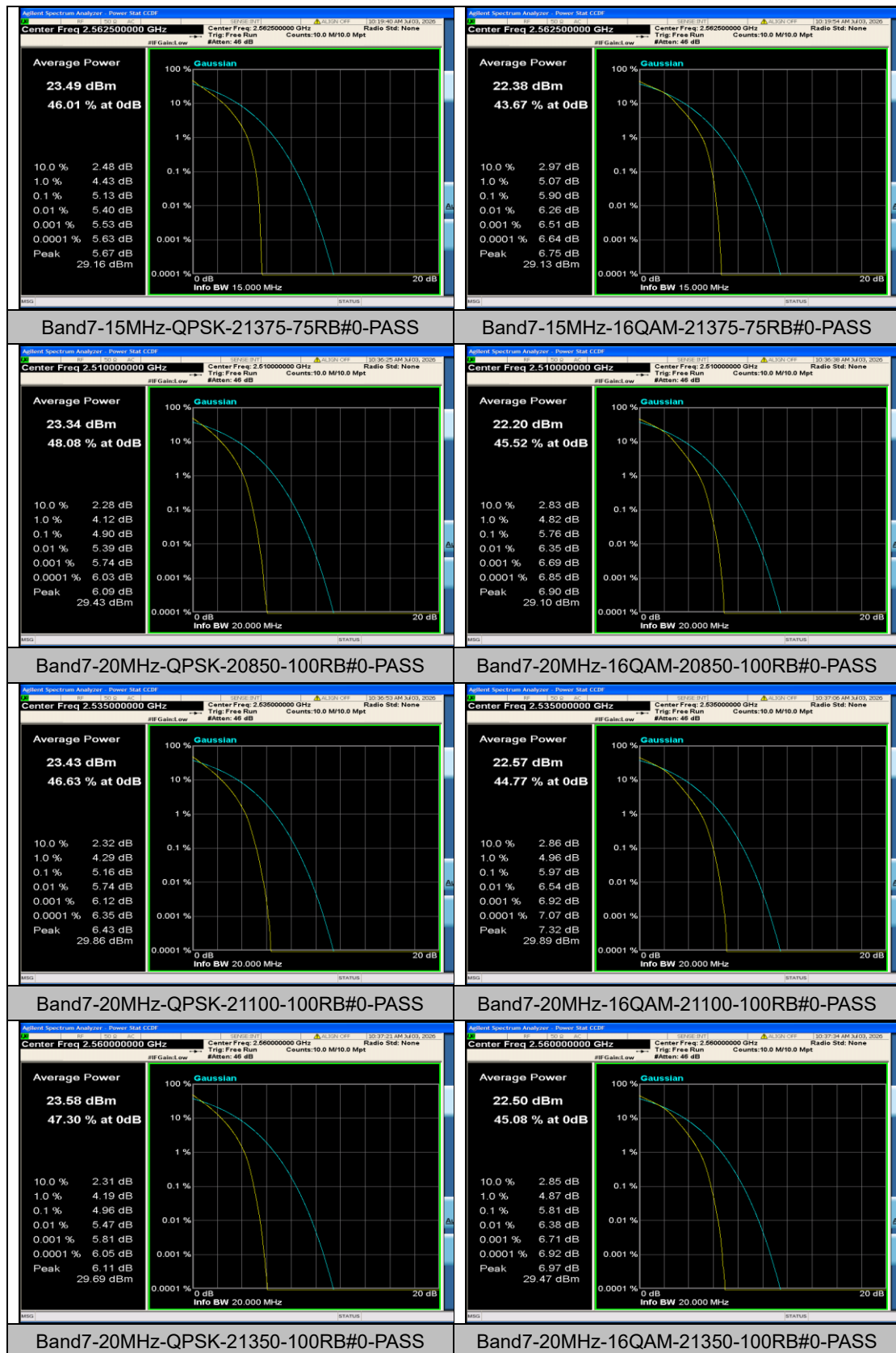
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	5.17	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.98	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.25	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.06	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.74	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.63	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.08	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.90	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.19	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.03	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	4.91	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.79	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.17	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.89	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.35	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.09	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.13	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	5.90	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	4.90	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.76	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.16	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.97	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.96	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.81	13	PASS

Test Graphs





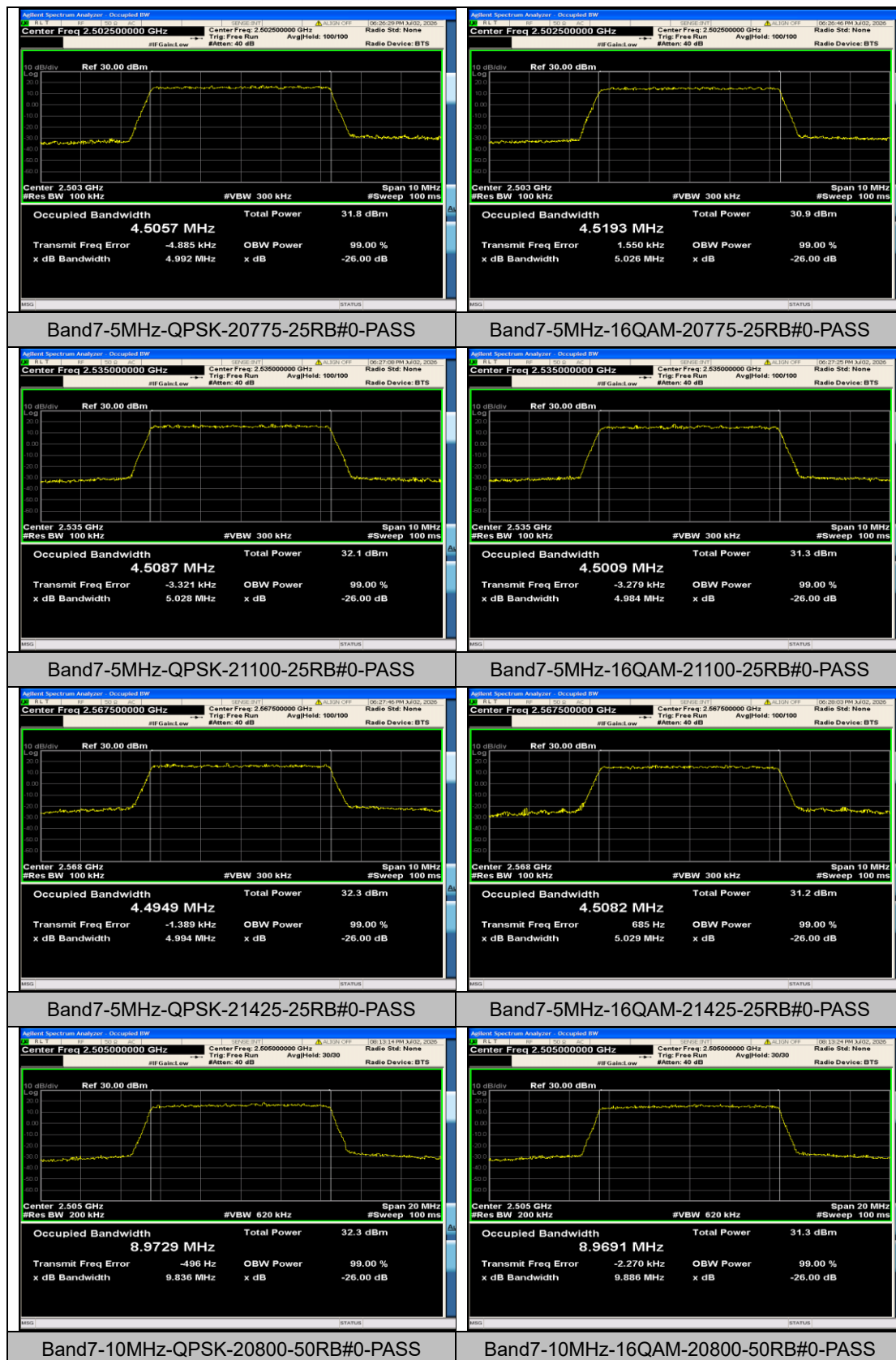


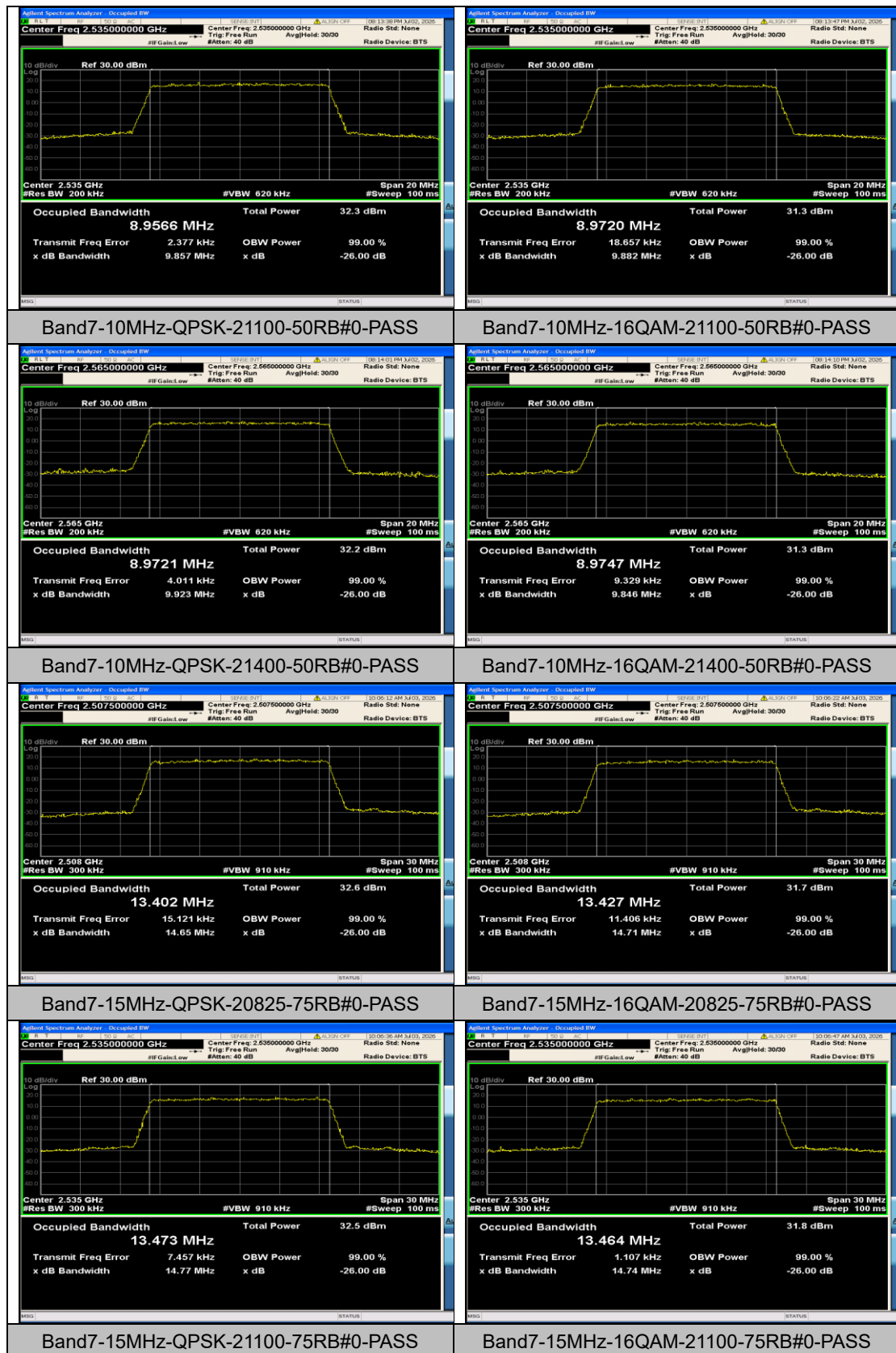
Appendix C: 26dB Bandwidth and Occupied Bandwidth

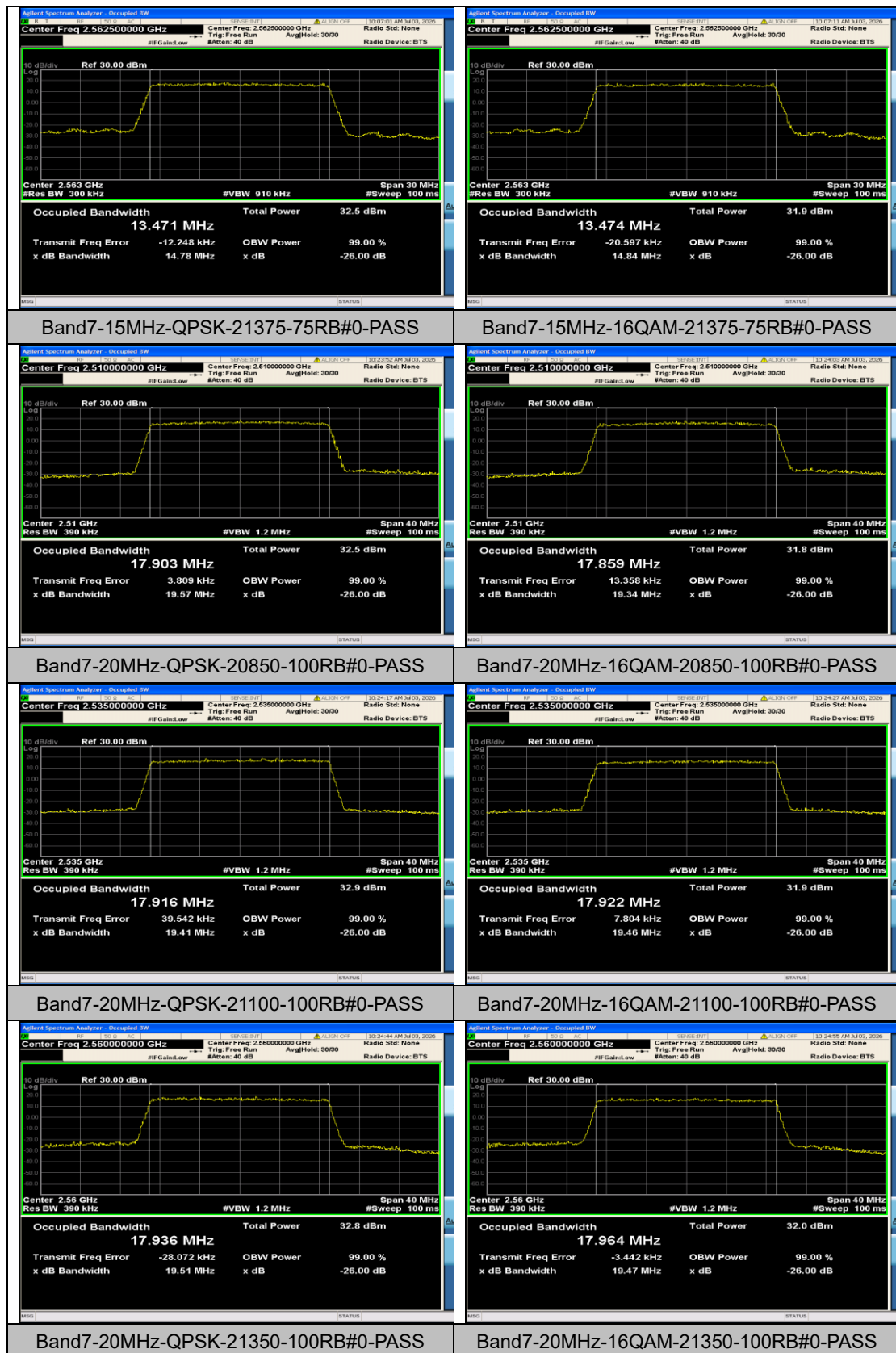
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5057	4.992	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5193	5.026	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5087	5.028	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5009	4.984	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.4949	4.994	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5082	5.029	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9729	9.836	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9691	9.886	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9566	9.857	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9720	9.882	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9721	9.923	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9747	9.846	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.402	14.65	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.427	14.71	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.473	14.77	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.464	14.74	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.471	14.78	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.474	14.84	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.903	19.57	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.859	19.34	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.916	19.41	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.922	19.46	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.936	19.51	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.964	19.47	PASS

Test Graphs





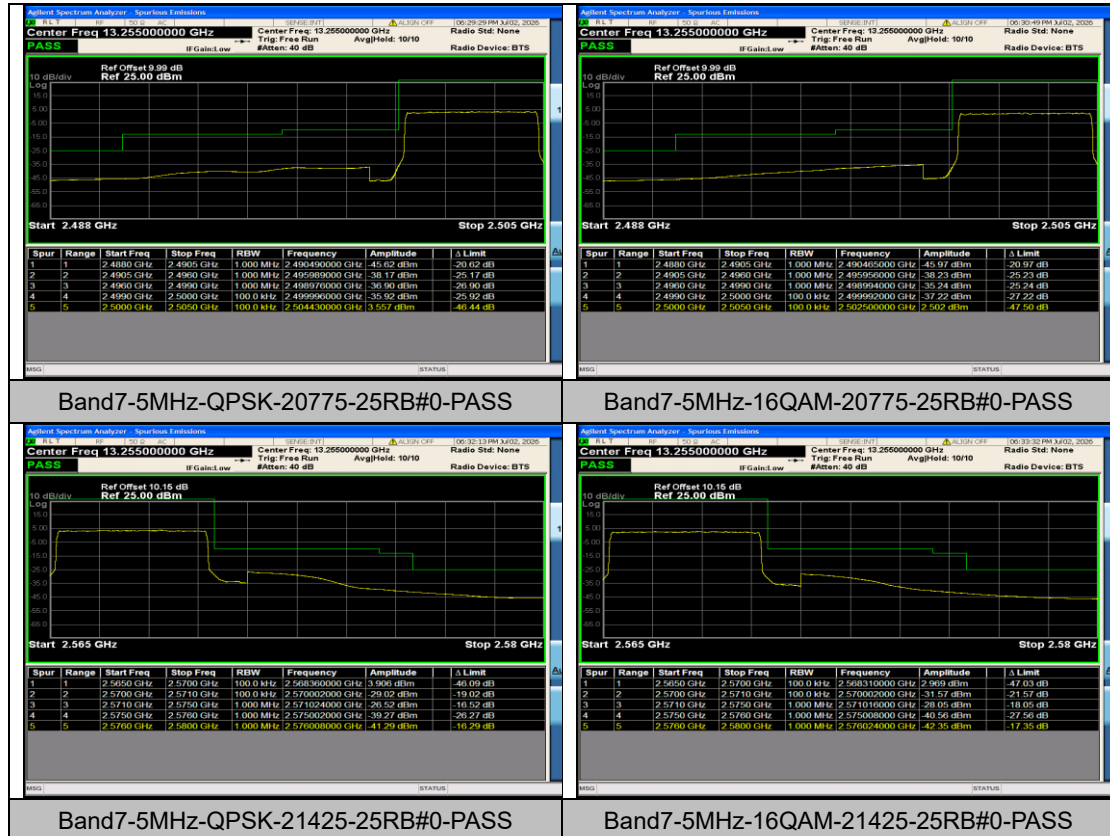


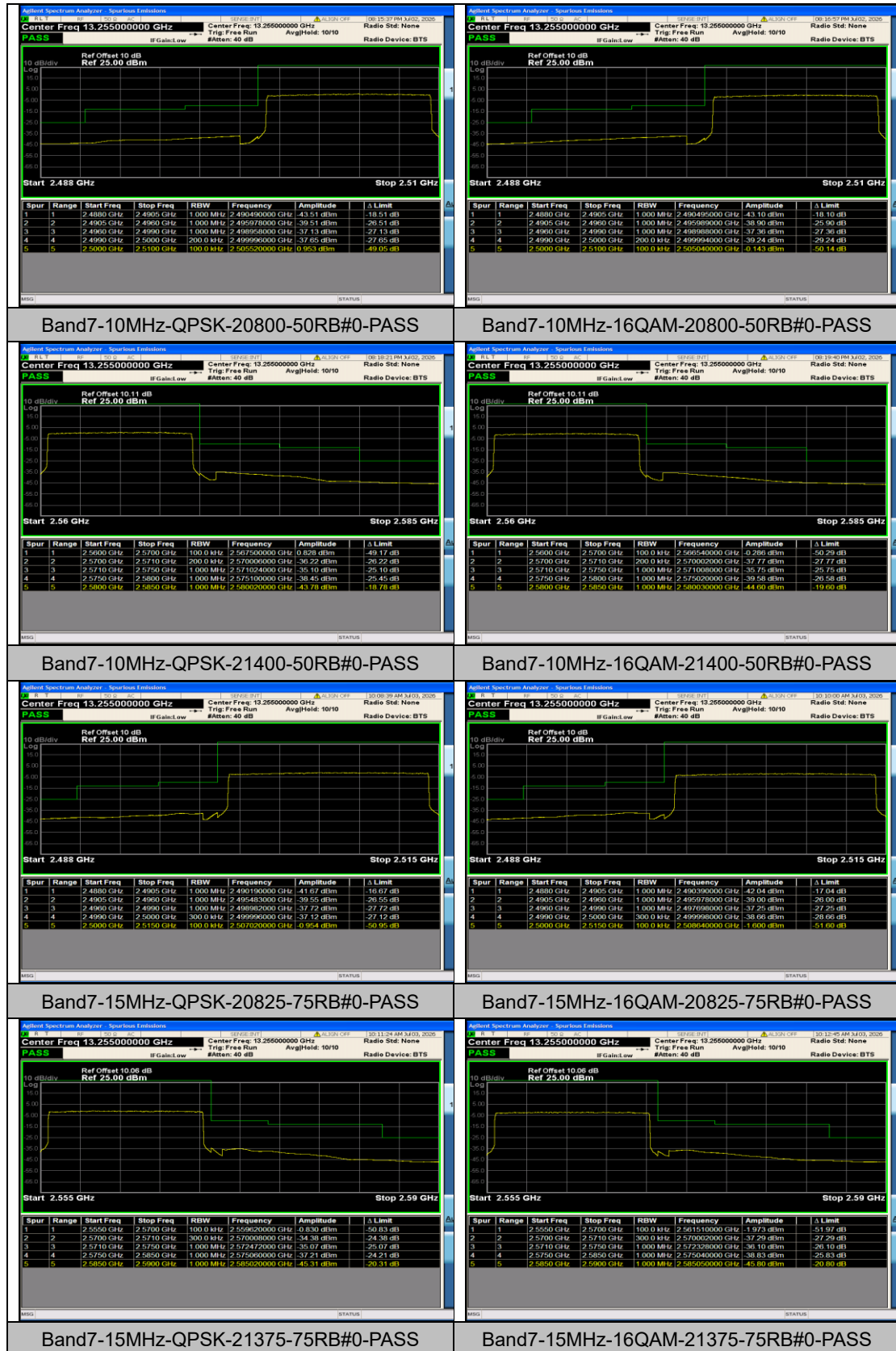
Appendix D: Band Edge

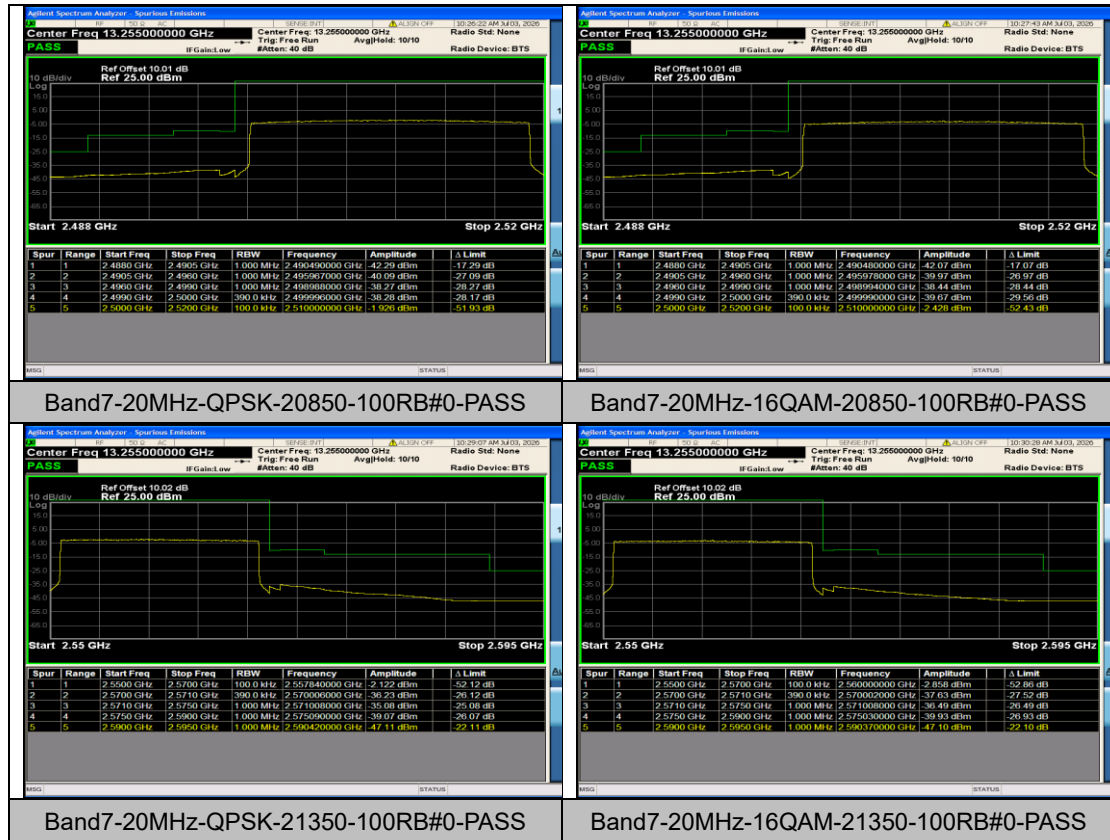
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	-45.62	PASS
Band7	5MHz	16QAM	20775	25RB#0	-45.97	PASS
Band7	5MHz	QPSK	21425	25RB#0	-41.29	PASS
Band7	5MHz	16QAM	21425	25RB#0	-42.35	PASS
Band7	10MHz	QPSK	20800	50RB#0	-43.51	PASS
Band7	10MHz	16QAM	20800	50RB#0	-43.10	PASS
Band7	10MHz	QPSK	21400	50RB#0	-43.78	PASS
Band7	10MHz	16QAM	21400	50RB#0	-44.60	PASS
Band7	15MHz	QPSK	20825	75RB#0	-41.67	PASS
Band7	15MHz	16QAM	20825	75RB#0	-42.04	PASS
Band7	15MHz	QPSK	21375	75RB#0	-45.31	PASS
Band7	15MHz	16QAM	21375	75RB#0	-45.80	PASS
Band7	20MHz	QPSK	20850	100RB#0	-42.29	PASS
Band7	20MHz	16QAM	20850	100RB#0	-42.07	PASS
Band7	20MHz	QPSK	21350	100RB#0	-47.11	PASS
Band7	20MHz	16QAM	21350	100RB#0	-47.10	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	-69.30	PASS
Band7	5MHz	QPSK	20775	25RB#0	0.15~30	-60.99	PASS
Band7	5MHz	QPSK	20775	25RB#0	30~1000	-58.24	PASS
Band7	5MHz	QPSK	20775	25RB#0	1000~3000	-46.95	PASS
Band7	5MHz	QPSK	20775	25RB#0	3000~18000	-38.08	PASS
Band7	5MHz	QPSK	20775	25RB#0	18000~26000	-31.49	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.009~0.15	-70.01	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.15~30	-63.40	PASS
Band7	5MHz	16QAM	20775	25RB#0	30~1000	-58.03	PASS
Band7	5MHz	16QAM	20775	25RB#0	1000~3000	-48.03	PASS
Band7	5MHz	16QAM	20775	25RB#0	3000~18000	-38.72	PASS
Band7	5MHz	16QAM	20775	25RB#0	18000~26000	-32.02	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.009~0.15	-69.59	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.15~30	-62.06	PASS
Band7	5MHz	QPSK	21100	25RB#0	30~1000	-58.06	PASS
Band7	5MHz	QPSK	21100	25RB#0	1000~3000	-48.09	PASS
Band7	5MHz	QPSK	21100	25RB#0	3000~18000	-38.52	PASS
Band7	5MHz	QPSK	21100	25RB#0	18000~26000	-31.86	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.009~0.15	-70.34	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.15~30	-65.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	30~1000	-58.78	PASS
Band7	5MHz	16QAM	21100	25RB#0	1000~3000	-48.21	PASS
Band7	5MHz	16QAM	21100	25RB#0	3000~18000	-38.64	PASS
Band7	5MHz	16QAM	21100	25RB#0	18000~26000	-31.82	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.009~0.15	-70.46	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.15~30	-61.81	PASS
Band7	5MHz	QPSK	21425	25RB#0	30~1000	-57.77	PASS
Band7	5MHz	QPSK	21425	25RB#0	1000~3000	-46.15	PASS
Band7	5MHz	QPSK	21425	25RB#0	3000~18000	-38.51	PASS
Band7	5MHz	QPSK	21425	25RB#0	18000~26000	-31.81	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.009~0.15	-68.64	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.15~30	-61.44	PASS
Band7	5MHz	16QAM	21425	25RB#0	30~1000	-58.21	PASS
Band7	5MHz	16QAM	21425	25RB#0	1000~3000	-48.12	PASS
Band7	5MHz	16QAM	21425	25RB#0	3000~18000	-38.81	PASS
Band7	5MHz	16QAM	21425	25RB#0	18000~26000	-31.72	PASS

Band7	10MHz	QPSK	20800	50RB#0	0.009~0.15	-70.03	PASS
Band7	10MHz	QPSK	20800	50RB#0	0.15~30	-62.26	PASS
Band7	10MHz	QPSK	20800	50RB#0	30~1000	-58.06	PASS
Band7	10MHz	QPSK	20800	50RB#0	1000~3000	-44.66	PASS
Band7	10MHz	QPSK	20800	50RB#0	3000~18000	-38.57	PASS
Band7	10MHz	QPSK	20800	50RB#0	18000~26000	-32.21	PASS
Band7	10MHz	16QAM	20800	50RB#0	0.009~0.15	-70.92	PASS
Band7	10MHz	16QAM	20800	50RB#0	0.15~30	-64.19	PASS
Band7	10MHz	16QAM	20800	50RB#0	30~1000	-58.13	PASS
Band7	10MHz	16QAM	20800	50RB#0	1000~3000	-47.13	PASS
Band7	10MHz	16QAM	20800	50RB#0	3000~18000	-38.56	PASS
Band7	10MHz	16QAM	20800	50RB#0	18000~26000	-32.12	PASS
Band7	10MHz	QPSK	21100	50RB#0	0.009~0.15	-70.47	PASS
Band7	10MHz	QPSK	21100	50RB#0	0.15~30	-62.62	PASS
Band7	10MHz	QPSK	21100	50RB#0	30~1000	-56.78	PASS
Band7	10MHz	QPSK	21100	50RB#0	1000~3000	-47.91	PASS
Band7	10MHz	QPSK	21100	50RB#0	3000~18000	-38.75	PASS
Band7	10MHz	QPSK	21100	50RB#0	18000~26000	-32.09	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.009~0.15	-69.23	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.15~30	-61.89	PASS
Band7	10MHz	16QAM	21100	50RB#0	30~1000	-58.13	PASS
Band7	10MHz	16QAM	21100	50RB#0	1000~3000	-48.03	PASS
Band7	10MHz	16QAM	21100	50RB#0	3000~18000	-38.51	PASS
Band7	10MHz	16QAM	21100	50RB#0	18000~26000	-32.10	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.009~0.15	-66.48	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.15~30	-62.15	PASS
Band7	10MHz	QPSK	21400	50RB#0	30~1000	-58.34	PASS
Band7	10MHz	QPSK	21400	50RB#0	1000~3000	-48.13	PASS
Band7	10MHz	QPSK	21400	50RB#0	3000~18000	-38.66	PASS
Band7	10MHz	QPSK	21400	50RB#0	18000~26000	-31.82	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.009~0.15	-67.31	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.15~30	-62.11	PASS
Band7	10MHz	16QAM	21400	50RB#0	30~1000	-57.91	PASS
Band7	10MHz	16QAM	21400	50RB#0	1000~3000	-48.06	PASS
Band7	10MHz	16QAM	21400	50RB#0	3000~18000	-38.56	PASS
Band7	10MHz	16QAM	21400	50RB#0	18000~26000	-31.63	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.009~0.15	-70.01	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.15~30	-61.26	PASS
Band7	15MHz	QPSK	20825	75RB#0	30~1000	-57.79	PASS
Band7	15MHz	QPSK	20825	75RB#0	1000~3000	-47.89	PASS
Band7	15MHz	QPSK	20825	75RB#0	3000~18000	-38.79	PASS
Band7	15MHz	QPSK	20825	75RB#0	18000~26000	-32.10	PASS
Band7	15MHz	16QAM	20825	75RB#0	0.009~0.15	-70.85	PASS

Band7	15MHz	16QAM	20825	75RB#0	0.15~30	-62.53	PASS
Band7	15MHz	16QAM	20825	75RB#0	30~1000	-57.81	PASS
Band7	15MHz	16QAM	20825	75RB#0	1000~3000	-48.14	PASS
Band7	15MHz	16QAM	20825	75RB#0	3000~18000	-38.74	PASS
Band7	15MHz	16QAM	20825	75RB#0	18000~26000	-32.19	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.009~0.15	-69.59	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.15~30	-59.98	PASS
Band7	15MHz	QPSK	21100	75RB#0	30~1000	-58.12	PASS
Band7	15MHz	QPSK	21100	75RB#0	1000~3000	-48.27	PASS
Band7	15MHz	QPSK	21100	75RB#0	3000~18000	-38.72	PASS
Band7	15MHz	QPSK	21100	75RB#0	18000~26000	-32.48	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.009~0.15	-70.33	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.15~30	-62.60	PASS
Band7	15MHz	16QAM	21100	75RB#0	30~1000	-58.53	PASS
Band7	15MHz	16QAM	21100	75RB#0	1000~3000	-48.10	PASS
Band7	15MHz	16QAM	21100	75RB#0	3000~18000	-38.28	PASS
Band7	15MHz	16QAM	21100	75RB#0	18000~26000	-32.46	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.009~0.15	-64.07	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.15~30	-61.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	30~1000	-58.15	PASS
Band7	15MHz	QPSK	21375	75RB#0	1000~3000	-47.98	PASS
Band7	15MHz	QPSK	21375	75RB#0	3000~18000	-38.71	PASS
Band7	15MHz	QPSK	21375	75RB#0	18000~26000	-31.73	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.009~0.15	-63.76	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.15~30	-61.03	PASS
Band7	15MHz	16QAM	21375	75RB#0	30~1000	-58.05	PASS
Band7	15MHz	16QAM	21375	75RB#0	1000~3000	-48.17	PASS
Band7	15MHz	16QAM	21375	75RB#0	3000~18000	-38.46	PASS
Band7	15MHz	16QAM	21375	75RB#0	18000~26000	-32.26	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.009~0.15	-70.03	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.15~30	-60.97	PASS
Band7	20MHz	QPSK	20850	100RB#0	30~1000	-58.20	PASS
Band7	20MHz	QPSK	20850	100RB#0	1000~3000	-48.30	PASS
Band7	20MHz	QPSK	20850	100RB#0	3000~18000	-38.34	PASS
Band7	20MHz	QPSK	20850	100RB#0	18000~26000	-32.37	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.009~0.15	-69.15	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.15~30	-61.86	PASS
Band7	20MHz	16QAM	20850	100RB#0	30~1000	-58.33	PASS
Band7	20MHz	16QAM	20850	100RB#0	1000~3000	-48.29	PASS
Band7	20MHz	16QAM	20850	100RB#0	3000~18000	-38.41	PASS
Band7	20MHz	16QAM	20850	100RB#0	18000~26000	-32.24	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.009~0.15	-69.19	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.15~30	-60.29	PASS

Band7	20MHz	QPSK	21100	100RB#0	30~1000	-58.29	PASS
Band7	20MHz	QPSK	21100	100RB#0	1000~3000	-47.93	PASS
Band7	20MHz	QPSK	21100	100RB#0	3000~18000	-38.90	PASS
Band7	20MHz	QPSK	21100	100RB#0	18000~26000	-32.50	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.009~0.15	-70.22	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.15~30	-62.12	PASS
Band7	20MHz	16QAM	21100	100RB#0	30~1000	-57.99	PASS
Band7	20MHz	16QAM	21100	100RB#0	1000~3000	-47.90	PASS
Band7	20MHz	16QAM	21100	100RB#0	3000~18000	-38.46	PASS
Band7	20MHz	16QAM	21100	100RB#0	18000~26000	-32.22	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.009~0.15	-64.98	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.15~30	-60.87	PASS
Band7	20MHz	QPSK	21350	100RB#0	30~1000	-58.31	PASS
Band7	20MHz	QPSK	21350	100RB#0	1000~3000	-48.36	PASS
Band7	20MHz	QPSK	21350	100RB#0	3000~18000	-39.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	18000~26000	-32.17	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.009~0.15	-67.38	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.15~30	-63.83	PASS
Band7	20MHz	16QAM	21350	100RB#0	30~1000	-58.12	PASS
Band7	20MHz	16QAM	21350	100RB#0	1000~3000	-48.28	PASS
Band7	20MHz	16QAM	21350	100RB#0	3000~18000	-38.65	PASS
Band7	20MHz	16QAM	21350	100RB#0	18000~26000	-32.04	PASS

Test Graphs

