

FCC LTE Band Test Data

FCC ID : 2BG6D-SDM660

Company: : Dongguan Yigaoxin Electronic Technology Co., Ltd.

EUT : Wireless Carplay Box

Model Number : SDM660

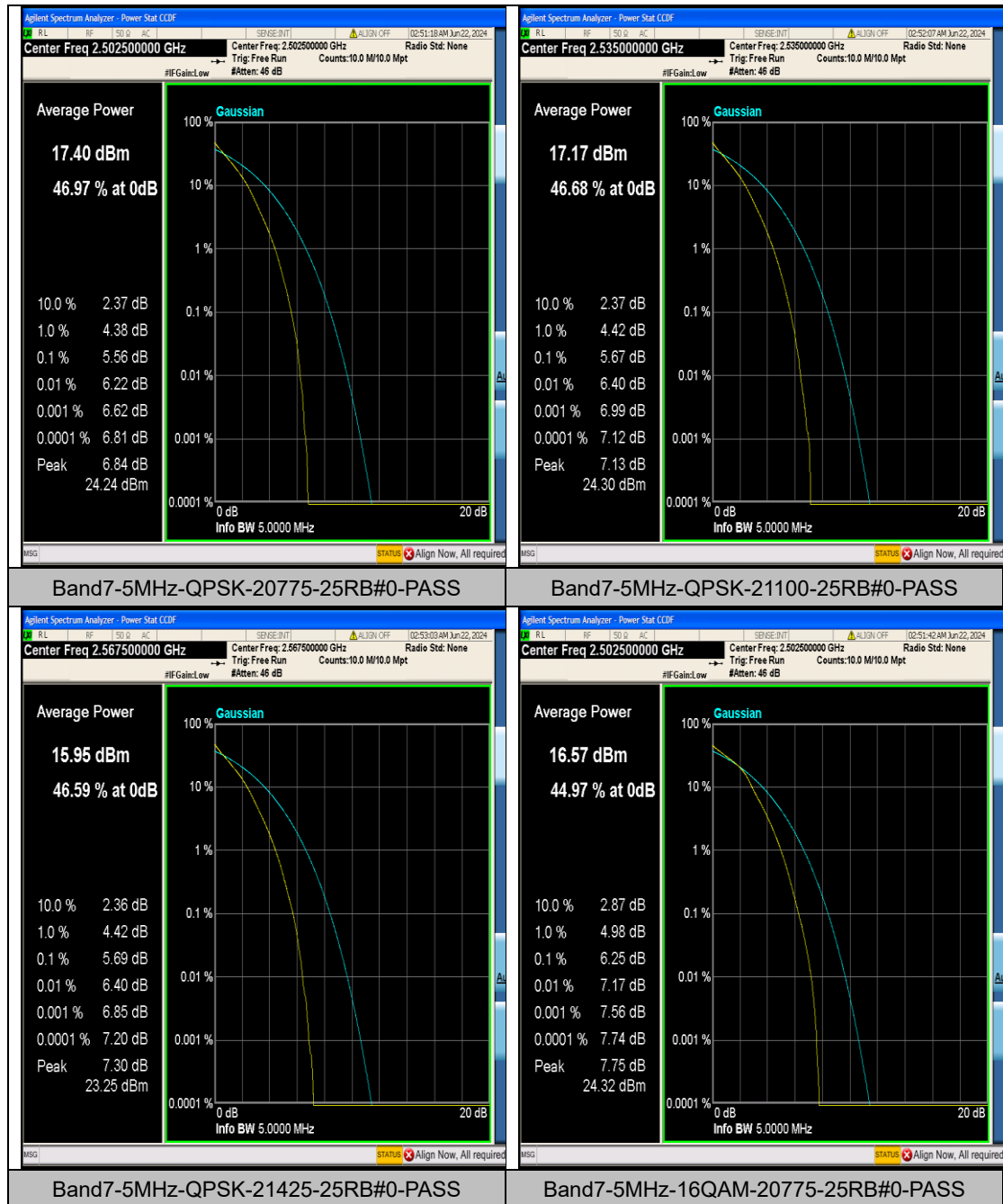
Reviewed By : Eric Wang

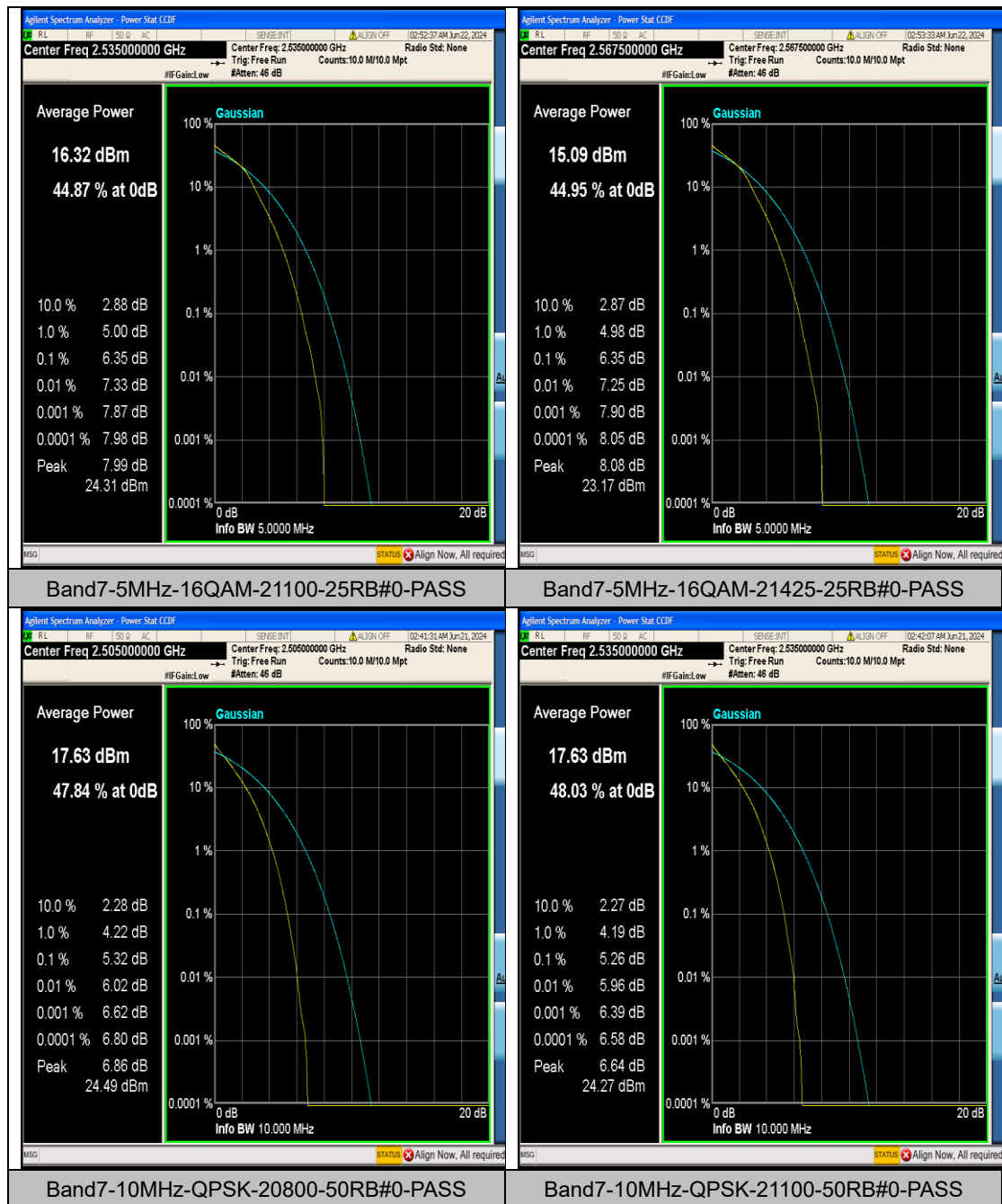
Appendix B: Peak-to-Average Ratio(CCDF)

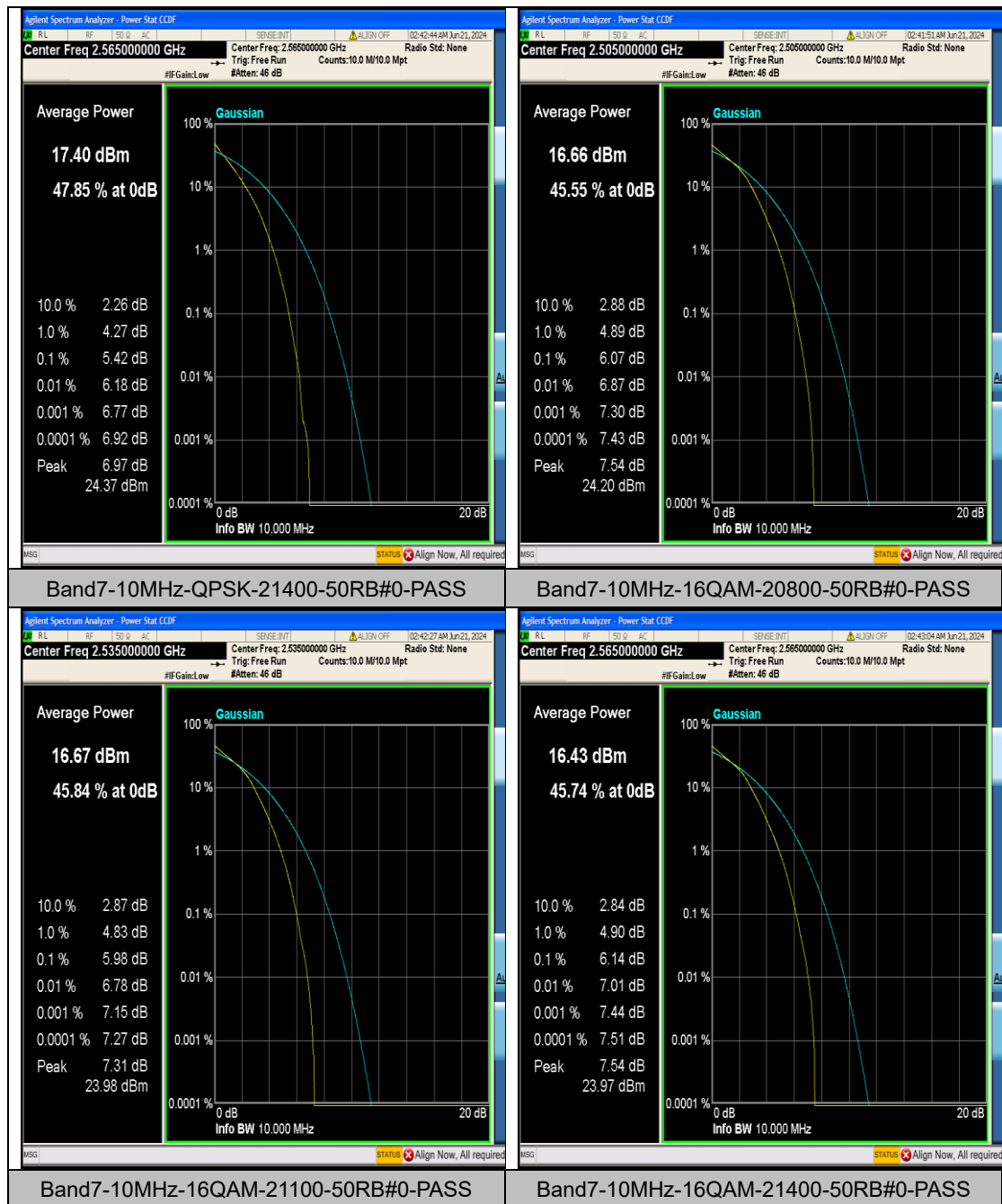
Test Result

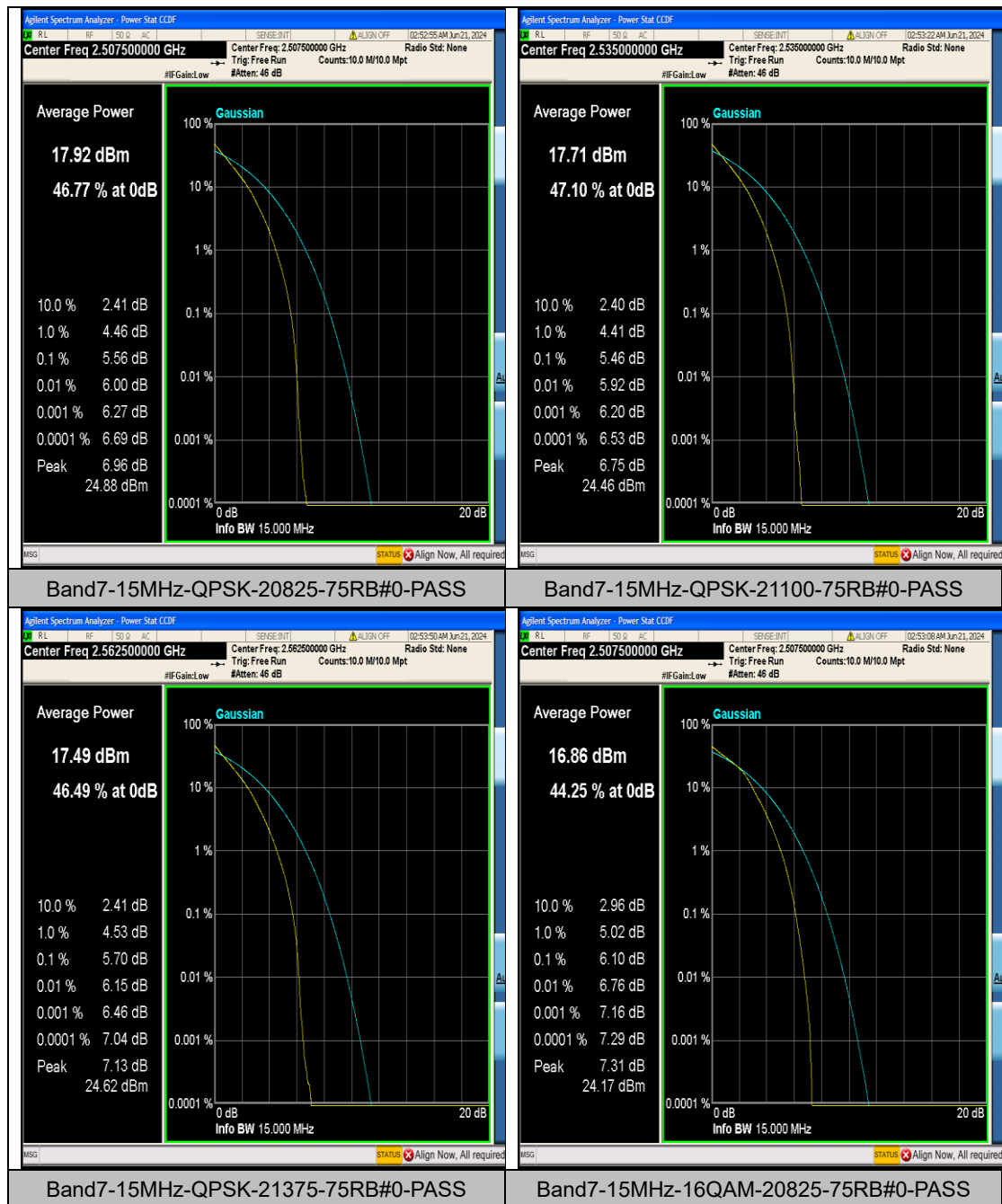
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	5.56	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.67	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.69	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	6.25	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.35	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.35	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.32	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.26	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.42	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	6.07	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.98	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	6.14	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.56	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.46	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.70	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.10	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.02	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.21	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.21	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.23	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.38	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.04	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.03	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.09	13	PASS

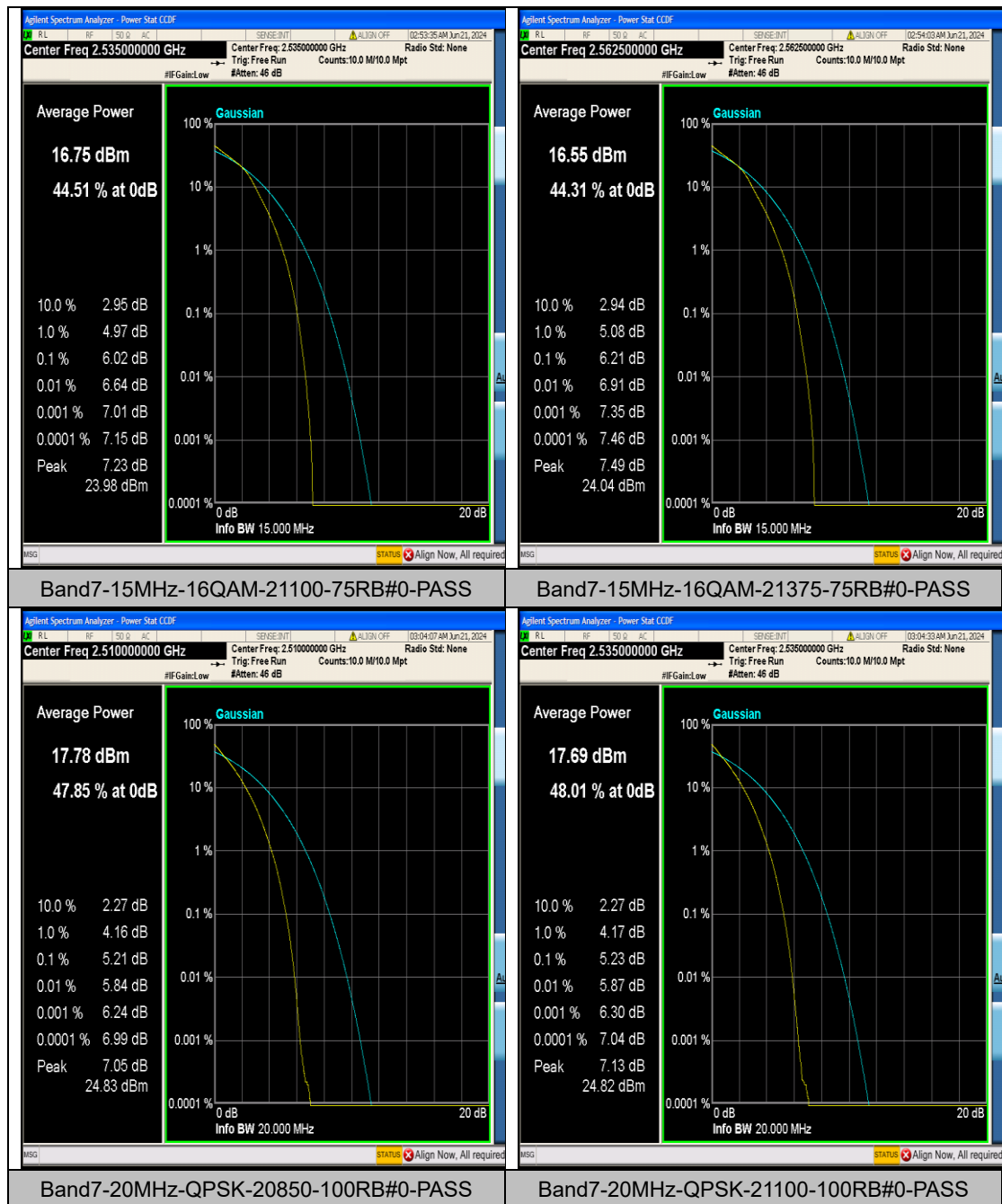
Test Graphs

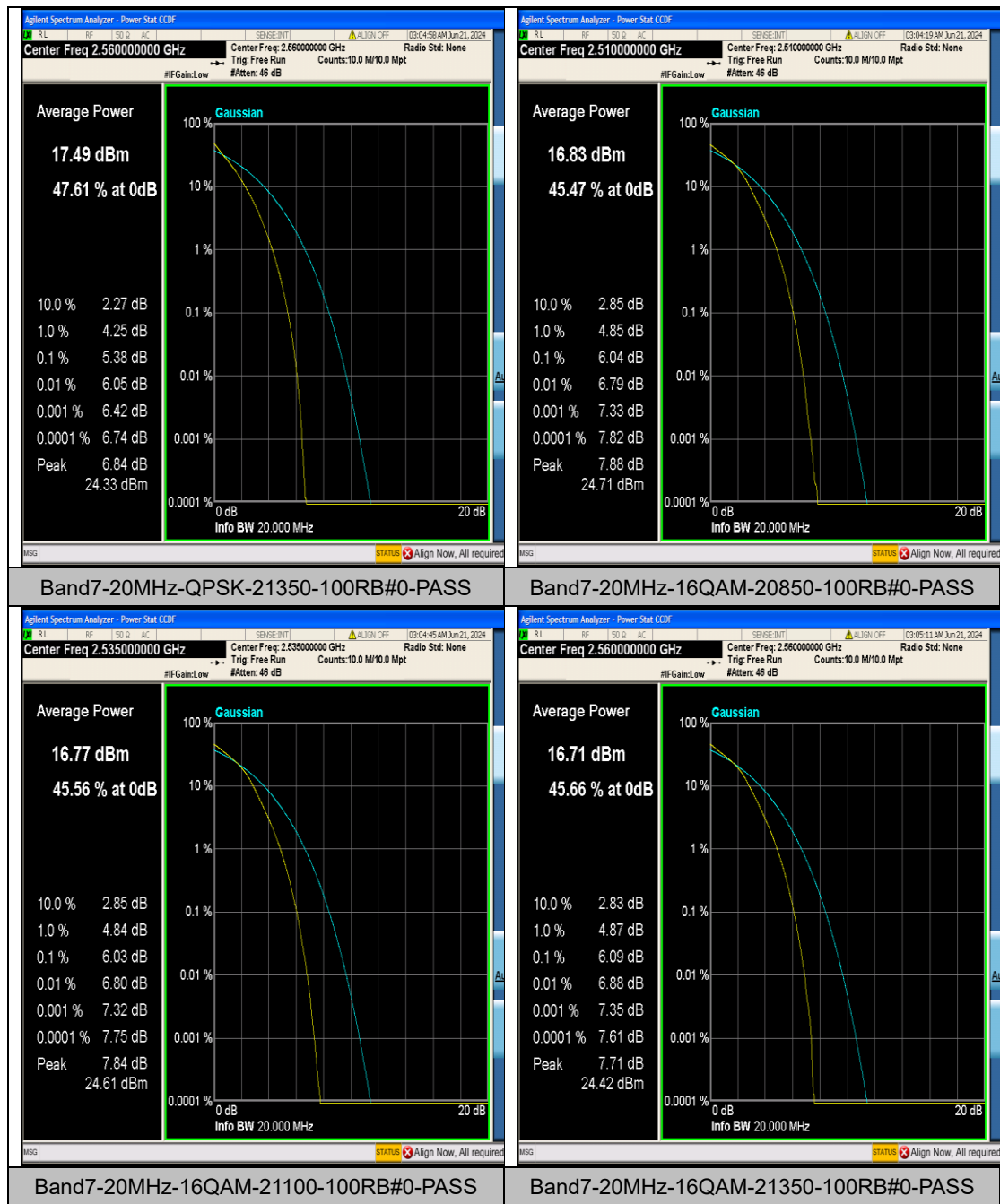










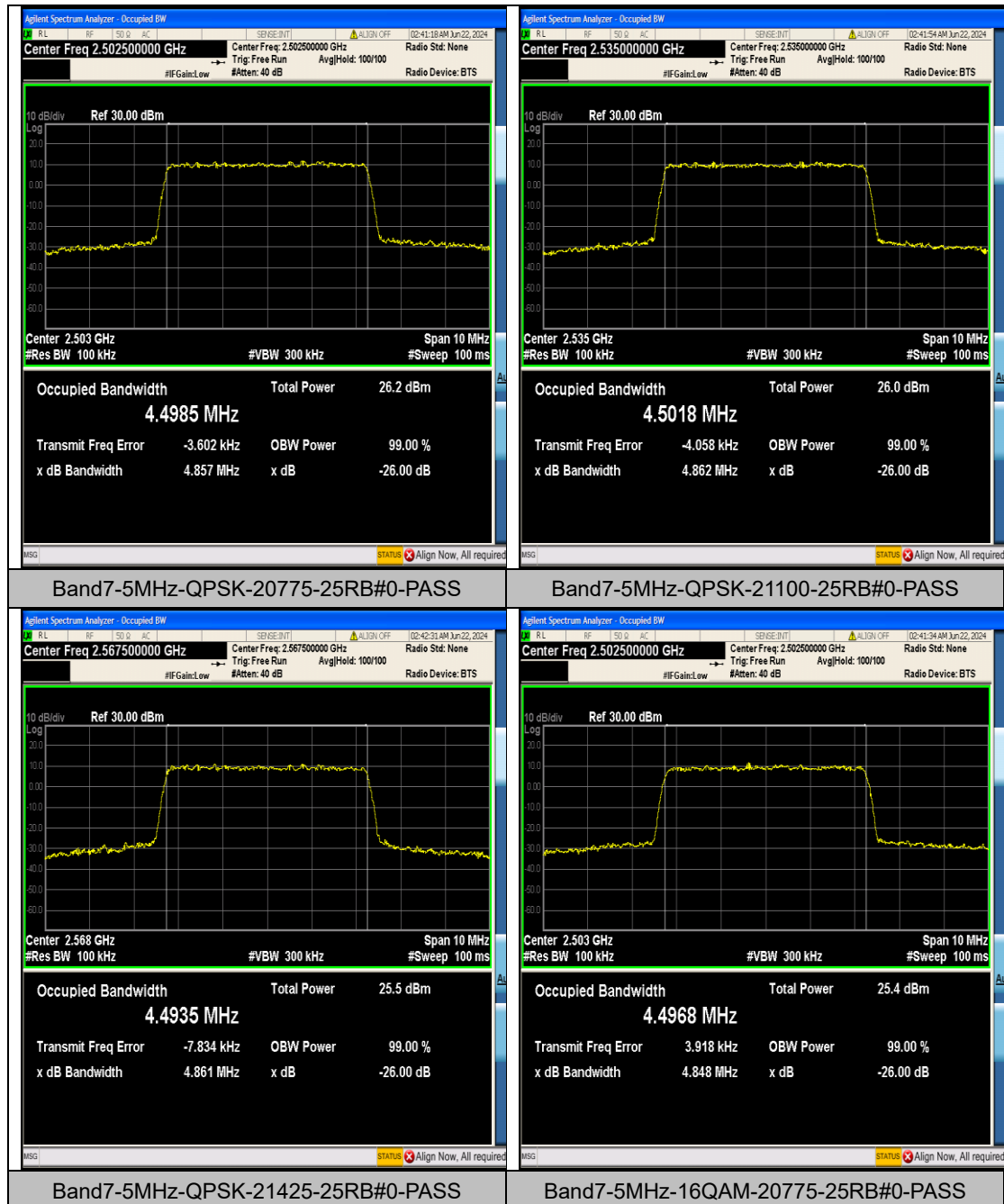


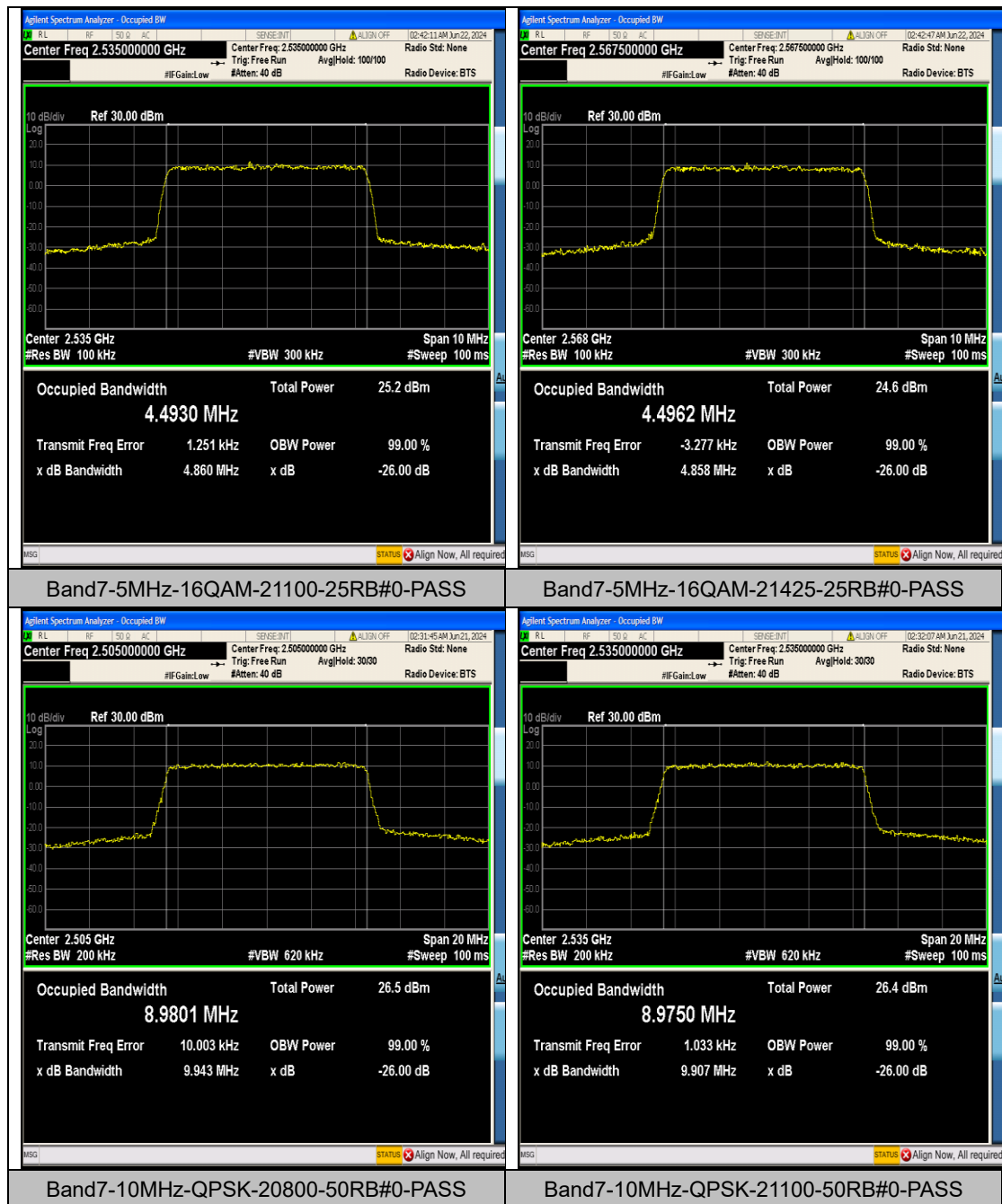
Appendix C: 26dB Bandwidth and Occupied Bandwidth

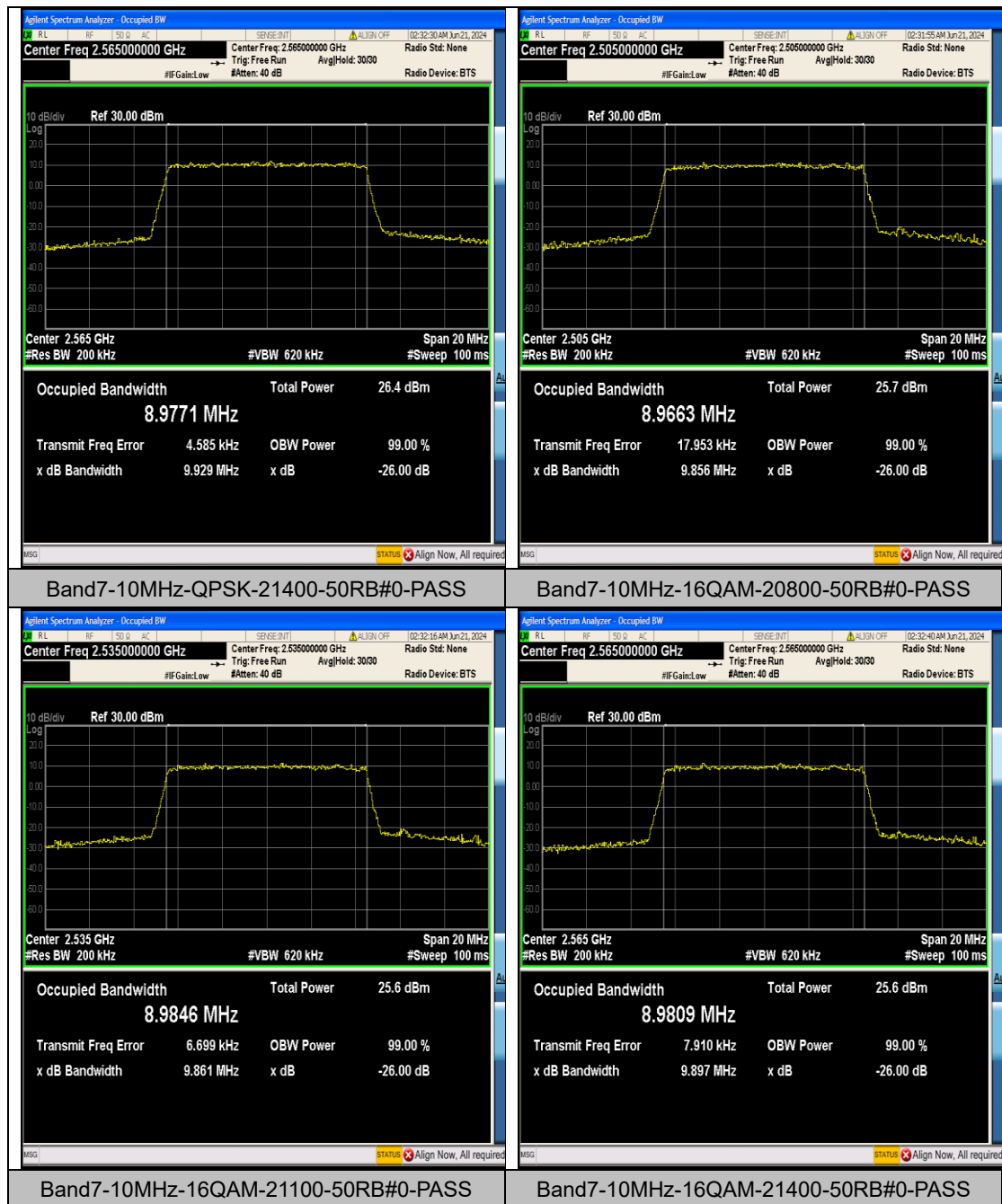
Test Result

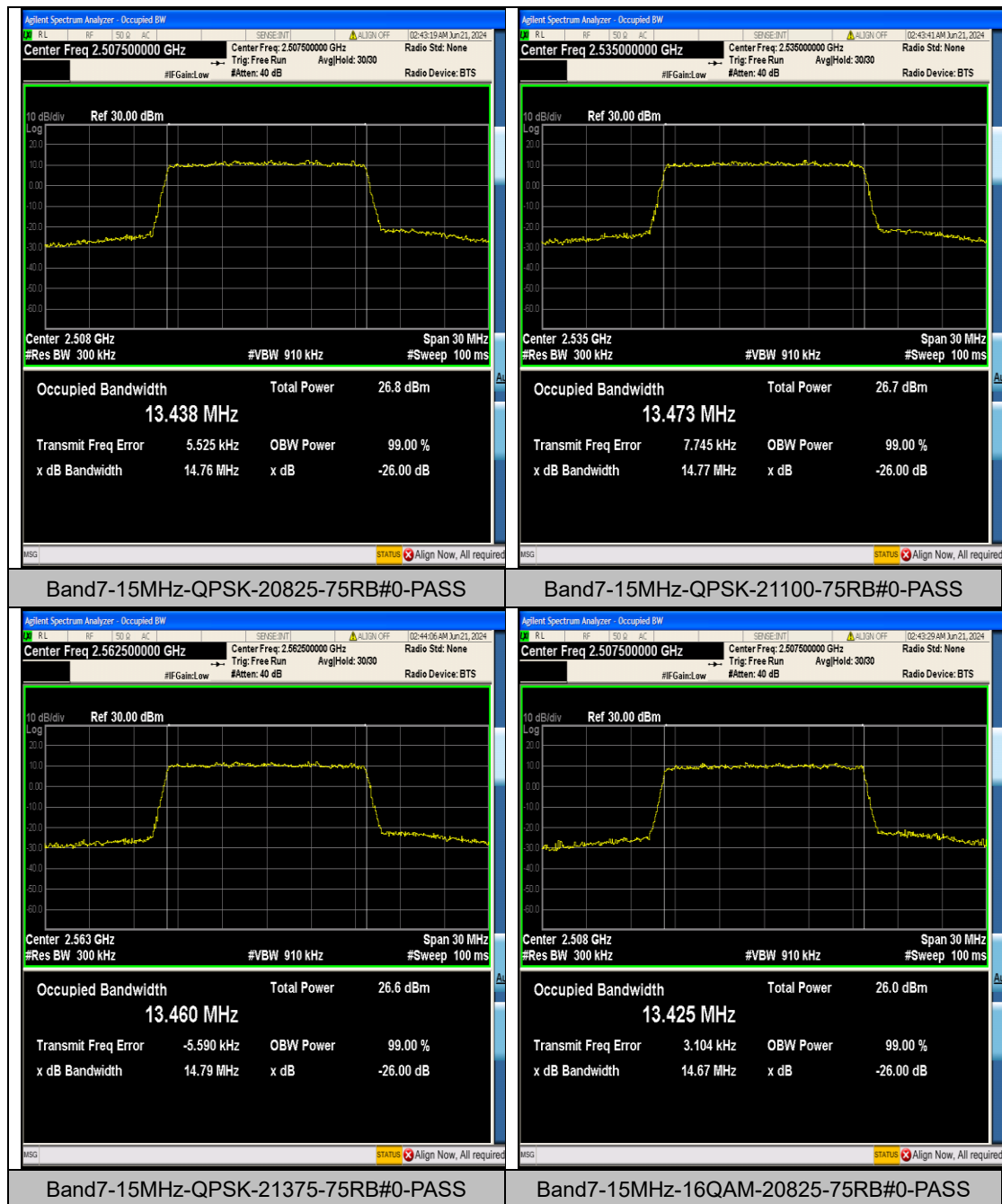
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.4985	4.857	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5018	4.862	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.4935	4.861	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4968	4.848	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.4930	4.860	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.4962	4.858	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9801	9.943	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9750	9.907	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9771	9.929	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9663	9.856	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9846	9.861	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9809	9.897	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.438	14.76	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.473	14.77	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.460	14.79	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.425	14.67	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.451	14.68	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.452	14.70	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.924	19.37	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.924	19.43	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.947	19.51	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.942	19.49	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.934	19.45	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.919	19.51	PASS

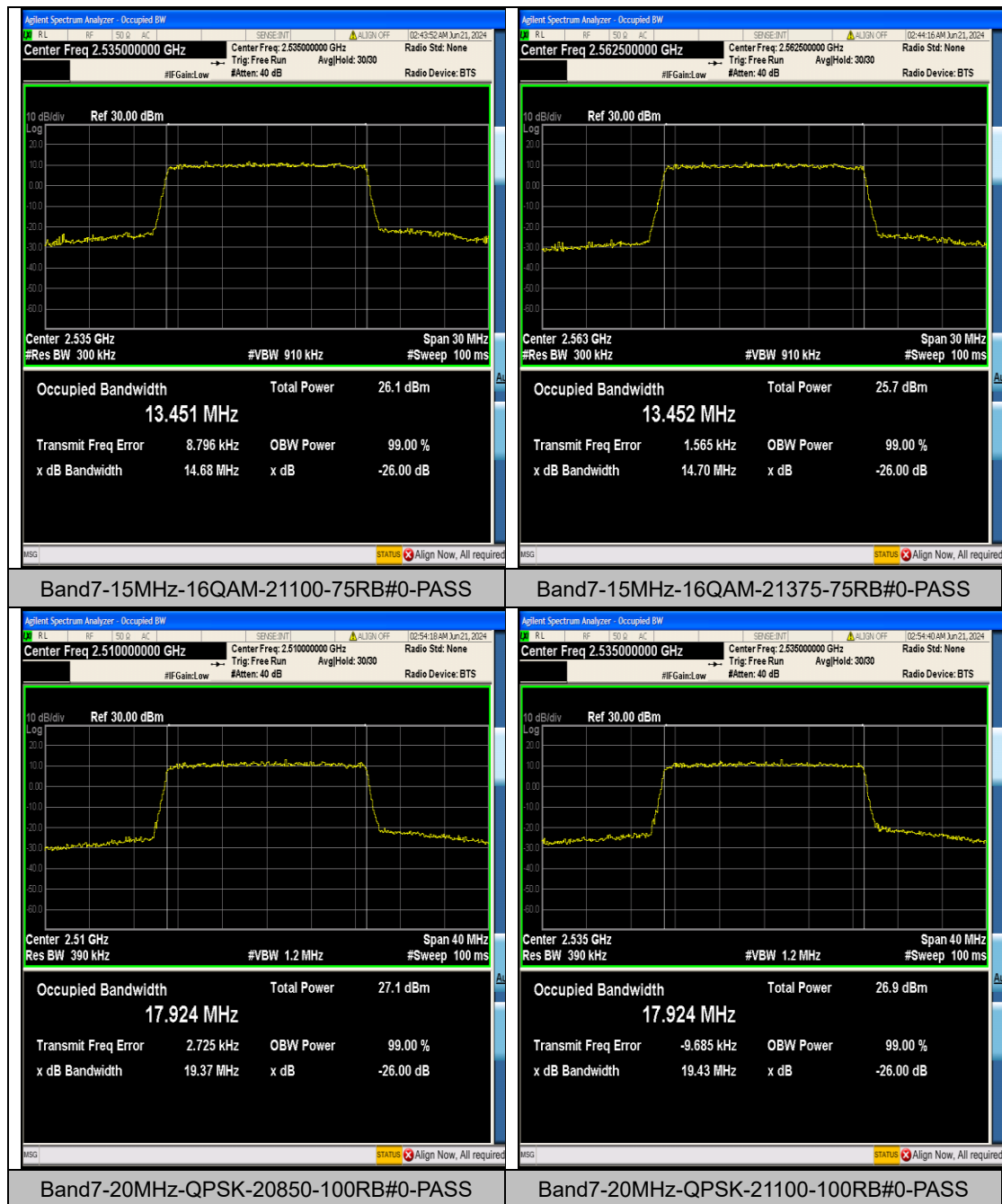
Test Graphs

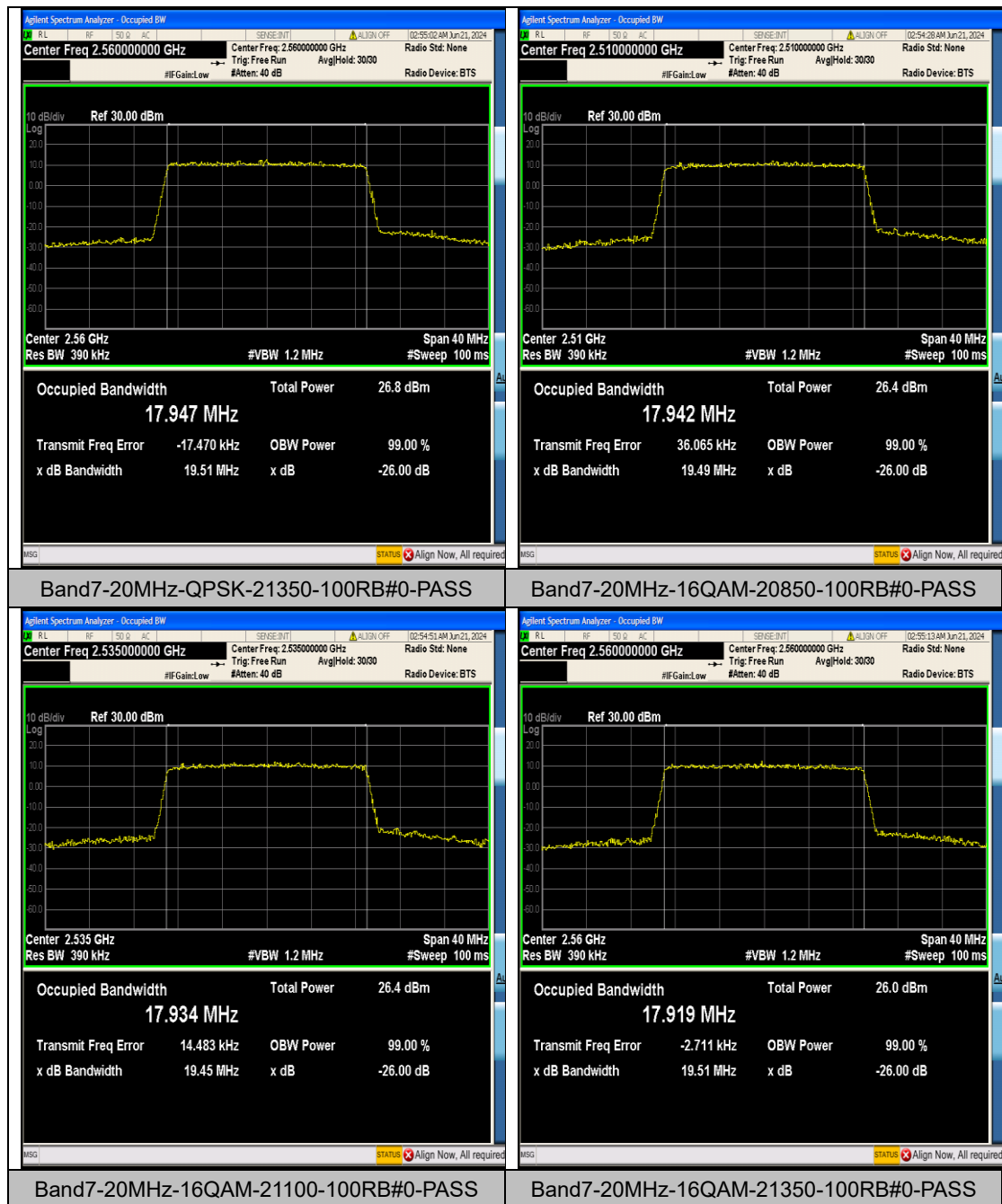










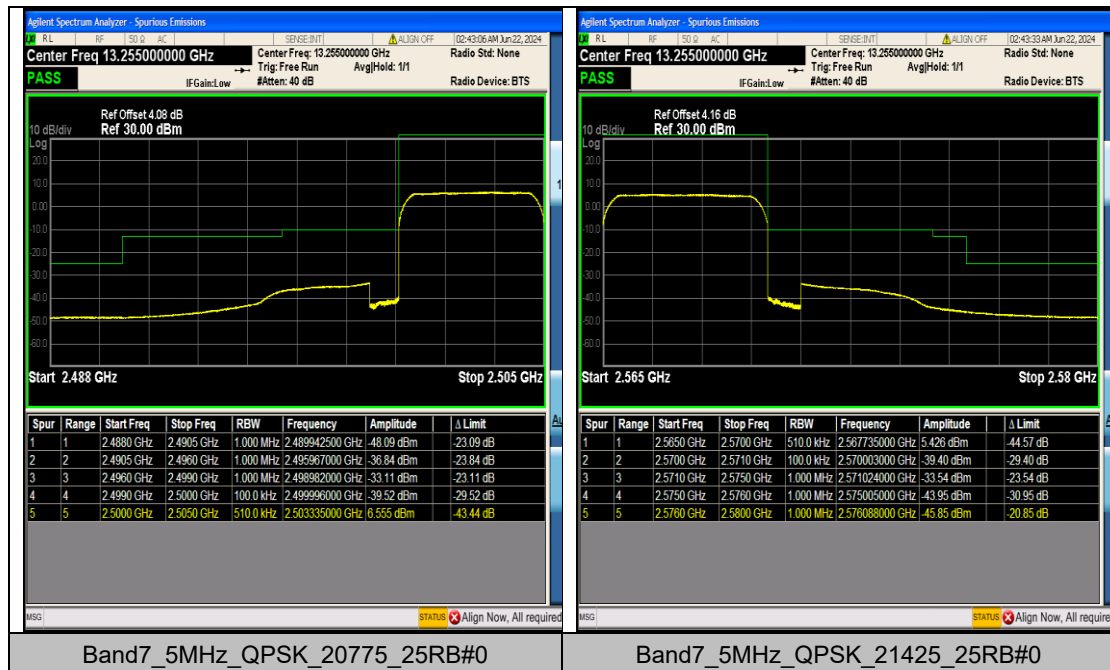


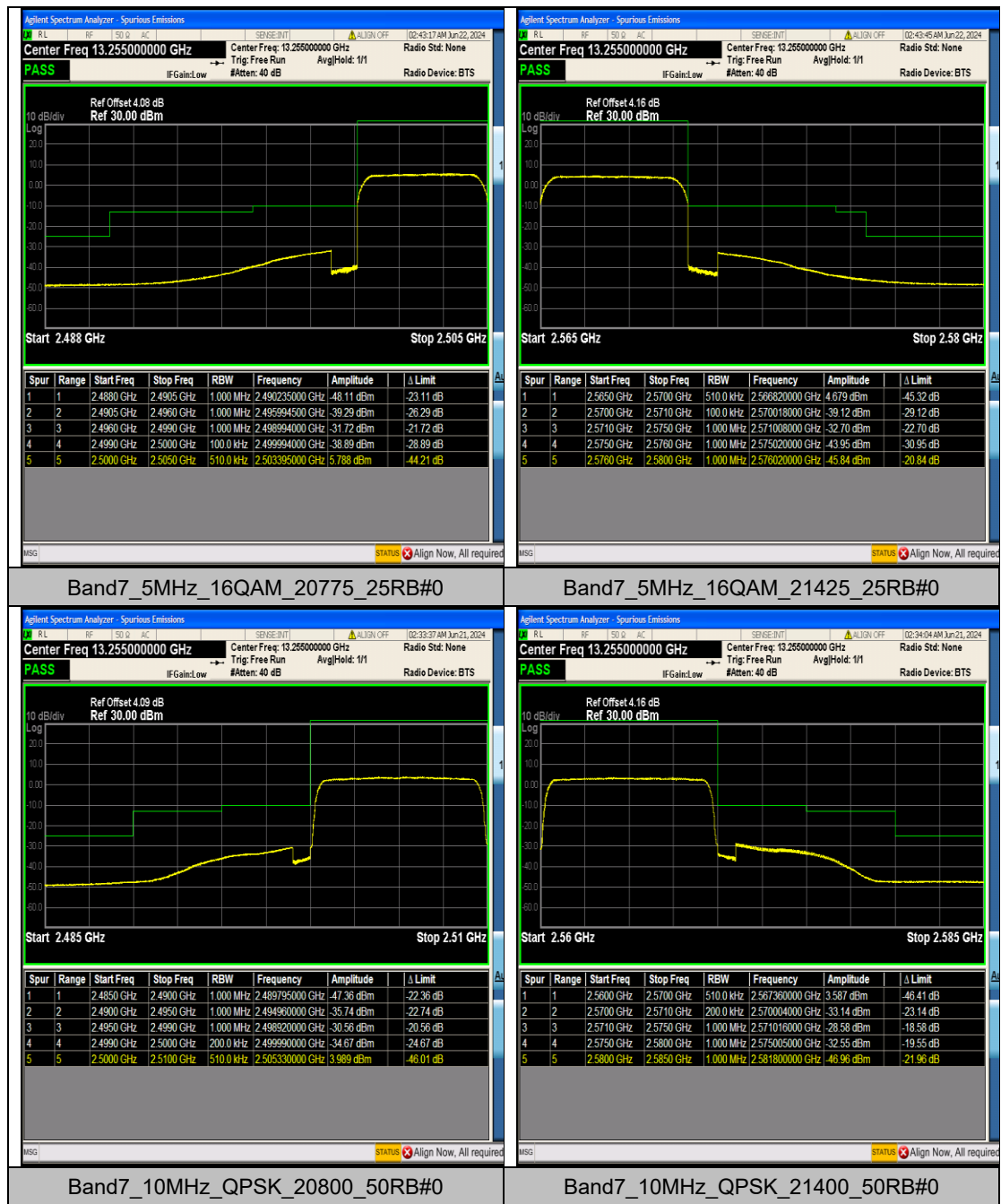
Appendix D: Band Edge

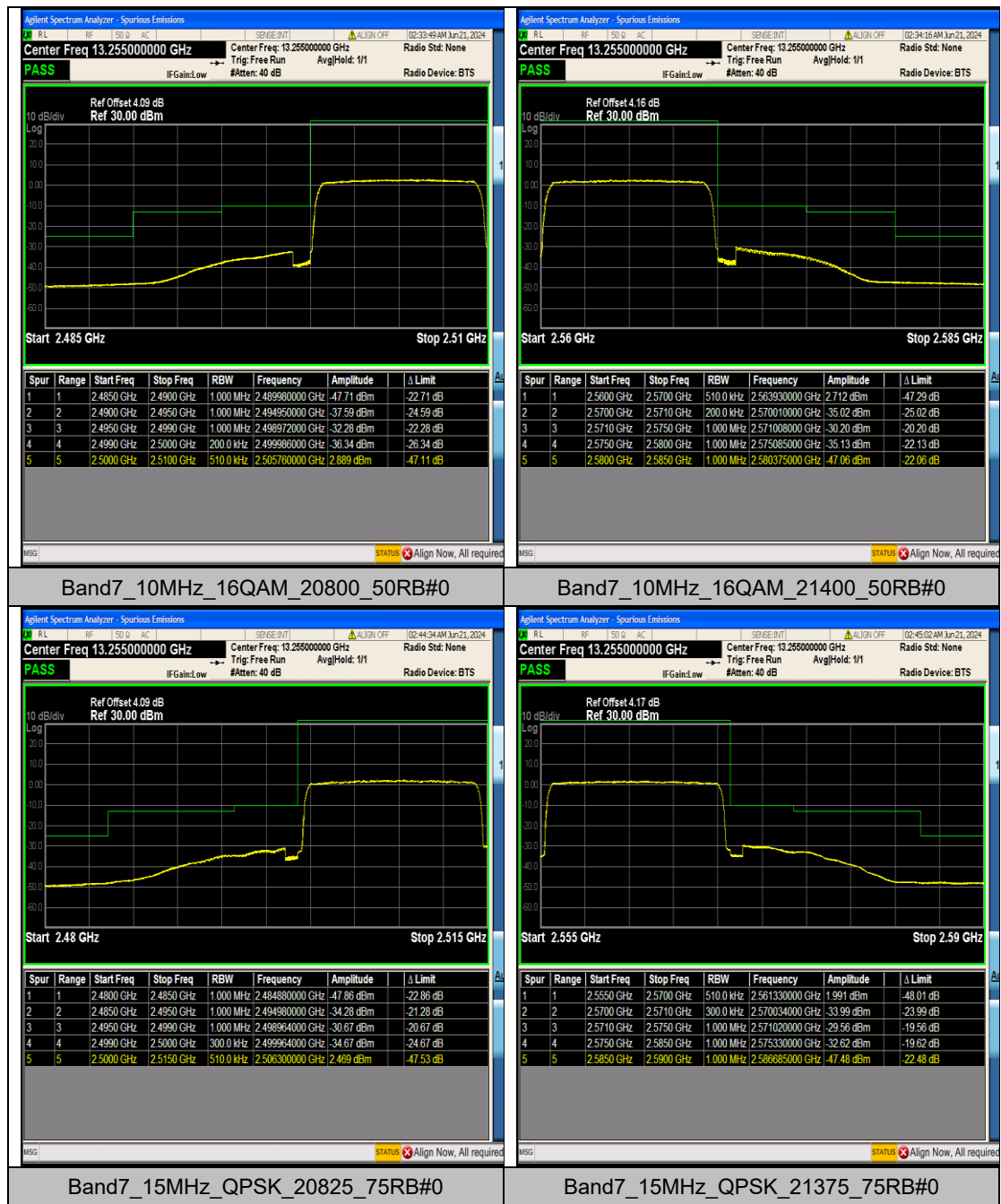
Test Result

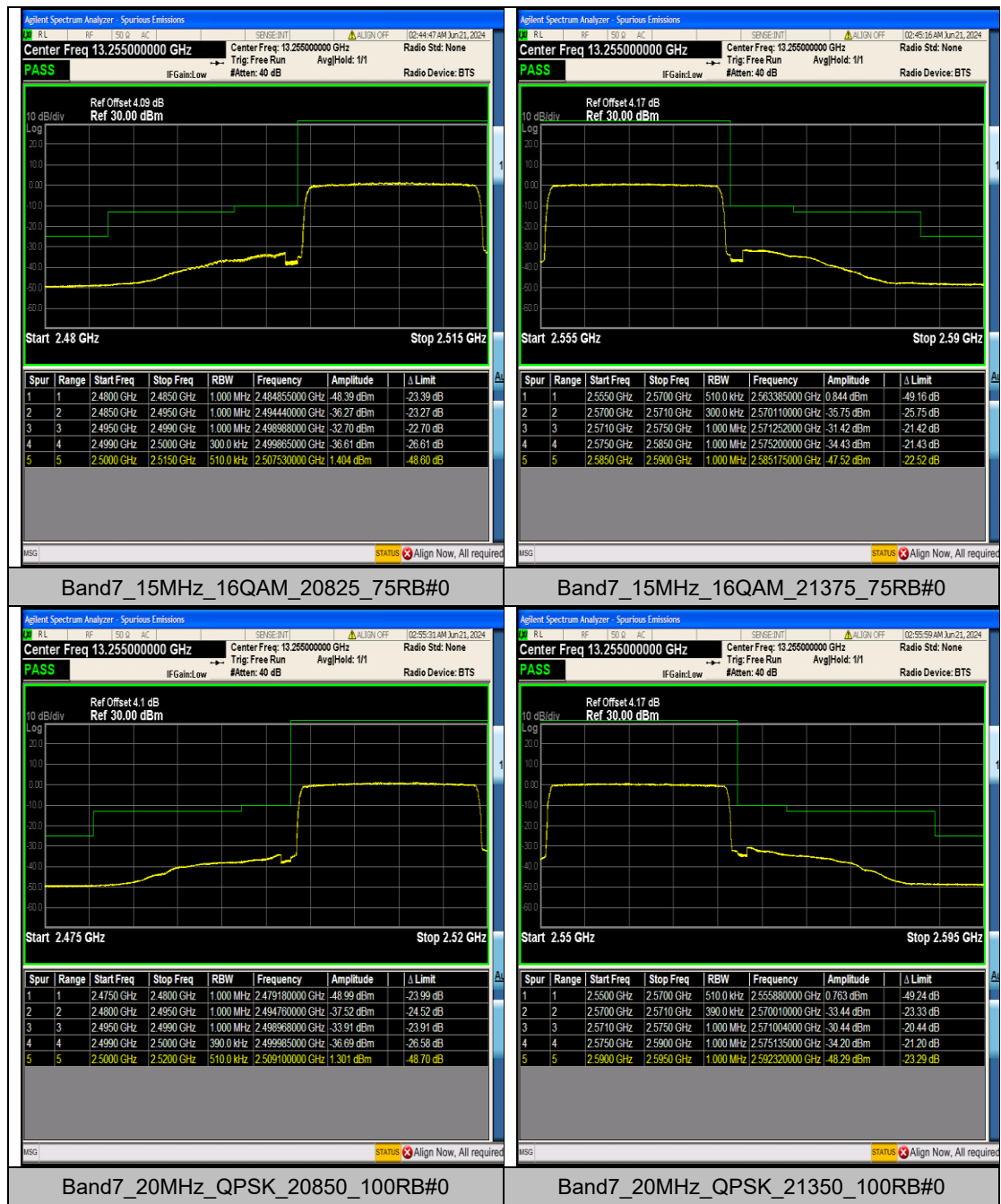
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	-48.09	PASS
Band7	5MHz	QPSK	21425	25RB#0	-45.85	PASS
Band7	5MHz	16QAM	20775	25RB#0	-31.72	PASS
Band7	5MHz	16QAM	21425	25RB#0	-45.84	PASS
Band7	10MHz	QPSK	20800	50RB#0	-30.56	PASS
Band7	10MHz	QPSK	21400	50RB#0	-28.58	PASS
Band7	10MHz	16QAM	20800	50RB#0	-32.28	PASS
Band7	10MHz	16QAM	21400	50RB#0	-30.20	PASS
Band7	15MHz	QPSK	20825	75RB#0	-30.67	PASS
Band7	15MHz	QPSK	21375	75RB#0	-29.56	PASS
Band7	15MHz	16QAM	20825	75RB#0	-32.70	PASS
Band7	15MHz	16QAM	21375	75RB#0	-31.42	PASS
Band7	20MHz	QPSK	20850	100RB#0	-33.91	PASS
Band7	20MHz	QPSK	21350	100RB#0	-30.44	PASS
Band7	20MHz	16QAM	20850	100RB#0	-49.01	PASS
Band7	20MHz	16QAM	21350	100RB#0	-32.34	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	-76.09	PASS
Band7	5MHz	QPSK	20775	25RB#0	0.15~30	-68.41	PASS
Band7	5MHz	QPSK	20775	25RB#0	30~1000	-66.65	PASS
Band7	5MHz	QPSK	20775	25RB#0	1000~20000	-46.20	PASS
Band7	5MHz	QPSK	20775	25RB#0	20000~27000	-39.56	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.009~0.15	-70.20	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.15~30	-68.17	PASS
Band7	5MHz	QPSK	21100	25RB#0	30~1000	-66.66	PASS
Band7	5MHz	QPSK	21100	25RB#0	1000~20000	-46.32	PASS
Band7	5MHz	QPSK	21100	25RB#0	20000~27000	-39.68	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.009~0.15	-76.04	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.15~30	-69.38	PASS
Band7	5MHz	QPSK	21425	25RB#0	30~1000	-66.82	PASS
Band7	5MHz	QPSK	21425	25RB#0	1000~20000	-46.34	PASS
Band7	5MHz	QPSK	21425	25RB#0	20000~27000	-39.50	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.009~0.15	-73.20	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.15~30	-67.02	PASS
Band7	5MHz	16QAM	20775	25RB#0	30~1000	-66.55	PASS
Band7	5MHz	16QAM	20775	25RB#0	1000~20000	-45.95	PASS
Band7	5MHz	16QAM	20775	25RB#0	20000~27000	-40.02	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.009~0.15	-74.66	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.15~30	-69.41	PASS
Band7	5MHz	16QAM	21100	25RB#0	30~1000	-66.72	PASS
Band7	5MHz	16QAM	21100	25RB#0	1000~20000	-45.91	PASS
Band7	5MHz	16QAM	21100	25RB#0	20000~27000	-39.78	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.009~0.15	-77.02	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.15~30	-69.25	PASS
Band7	5MHz	16QAM	21425	25RB#0	30~1000	-66.86	PASS
Band7	5MHz	16QAM	21425	25RB#0	1000~20000	-45.85	PASS
Band7	5MHz	16QAM	21425	25RB#0	20000~27000	-39.94	PASS
Band7	10MHz	QPSK	20800	50RB#0	0.009~0.15	-74.78	PASS
Band7	10MHz	QPSK	20800	50RB#0	0.15~30	-68.43	PASS
Band7	10MHz	QPSK	20800	50RB#0	30~1000	-66.74	PASS
Band7	10MHz	QPSK	20800	50RB#0	1000~20000	-46.24	PASS
Band7	10MHz	QPSK	20800	50RB#0	20000~27000	-39.90	PASS
Band7	10MHz	QPSK	21100	50RB#0	0.009~0.15	-76.69	PASS

Band7	10MHz	QPSK	21100	50RB#0	0.15~30	-69.23	PASS
Band7	10MHz	QPSK	21100	50RB#0	30~1000	-66.49	PASS
Band7	10MHz	QPSK	21100	50RB#0	1000~20000	-46.27	PASS
Band7	10MHz	QPSK	21100	50RB#0	20000~27000	-39.14	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.009~0.15	-74.04	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.15~30	-68.10	PASS
Band7	10MHz	QPSK	21400	50RB#0	30~1000	-66.72	PASS
Band7	10MHz	QPSK	21400	50RB#0	1000~20000	-46.12	PASS
Band7	10MHz	QPSK	21400	50RB#0	20000~27000	-39.81	PASS
Band7	10MHz	16QAM	20800	50RB#0	0.009~0.15	-75.83	PASS
Band7	10MHz	16QAM	20800	50RB#0	0.15~30	-68.18	PASS
Band7	10MHz	16QAM	20800	50RB#0	30~1000	-66.71	PASS
Band7	10MHz	16QAM	20800	50RB#0	1000~20000	-46.11	PASS
Band7	10MHz	16QAM	20800	50RB#0	20000~27000	-39.35	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.009~0.15	-73.11	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.15~30	-68.26	PASS
Band7	10MHz	16QAM	21100	50RB#0	30~1000	-66.58	PASS
Band7	10MHz	16QAM	21100	50RB#0	1000~20000	-46.09	PASS
Band7	10MHz	16QAM	21100	50RB#0	20000~27000	-39.53	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.009~0.15	-73.30	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.15~30	-66.74	PASS
Band7	10MHz	16QAM	21400	50RB#0	30~1000	-66.70	PASS
Band7	10MHz	16QAM	21400	50RB#0	1000~20000	-45.83	PASS
Band7	10MHz	16QAM	21400	50RB#0	20000~27000	-39.94	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.009~0.15	-72.06	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.15~30	-66.55	PASS
Band7	15MHz	QPSK	20825	75RB#0	30~1000	-66.64	PASS
Band7	15MHz	QPSK	20825	75RB#0	1000~20000	-46.35	PASS
Band7	15MHz	QPSK	20825	75RB#0	20000~27000	-39.76	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.009~0.15	-72.79	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.15~30	-71.24	PASS
Band7	15MHz	QPSK	21100	75RB#0	30~1000	-66.63	PASS
Band7	15MHz	QPSK	21100	75RB#0	1000~20000	-46.46	PASS
Band7	15MHz	QPSK	21100	75RB#0	20000~27000	-39.50	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.009~0.15	-71.49	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.15~30	-66.80	PASS
Band7	15MHz	QPSK	21375	75RB#0	30~1000	-66.71	PASS
Band7	15MHz	QPSK	21375	75RB#0	1000~20000	-46.02	PASS
Band7	15MHz	QPSK	21375	75RB#0	20000~27000	-40.01	PASS
Band7	15MHz	16QAM	20825	75RB#0	0.009~0.15	-70.64	PASS
Band7	15MHz	16QAM	20825	75RB#0	0.15~30	-68.24	PASS
Band7	15MHz	16QAM	20825	75RB#0	30~1000	-66.09	PASS
Band7	15MHz	16QAM	20825	75RB#0	1000~20000	-45.92	PASS

Band7	15MHz	16QAM	20825	75RB#0	20000~27000	-39.77	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.009~0.15	-74.36	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.15~30	-68.66	PASS
Band7	15MHz	16QAM	21100	75RB#0	30~1000	-66.80	PASS
Band7	15MHz	16QAM	21100	75RB#0	1000~20000	-46.37	PASS
Band7	15MHz	16QAM	21100	75RB#0	20000~27000	-39.62	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.009~0.15	-70.61	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.15~30	-68.86	PASS
Band7	15MHz	16QAM	21375	75RB#0	30~1000	-66.66	PASS
Band7	15MHz	16QAM	21375	75RB#0	1000~20000	-45.90	PASS
Band7	15MHz	16QAM	21375	75RB#0	20000~27000	-39.81	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.009~0.15	-73.42	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.15~30	-67.35	PASS
Band7	20MHz	QPSK	20850	100RB#0	30~1000	-66.55	PASS
Band7	20MHz	QPSK	20850	100RB#0	1000~20000	-46.20	PASS
Band7	20MHz	QPSK	20850	100RB#0	20000~27000	-39.29	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.009~0.15	-75.07	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.15~30	-69.44	PASS
Band7	20MHz	QPSK	21100	100RB#0	30~1000	-66.61	PASS
Band7	20MHz	QPSK	21100	100RB#0	1000~20000	-46.25	PASS
Band7	20MHz	QPSK	21100	100RB#0	20000~27000	-39.90	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.009~0.15	-73.16	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.15~30	-67.97	PASS
Band7	20MHz	QPSK	21350	100RB#0	30~1000	-66.52	PASS
Band7	20MHz	QPSK	21350	100RB#0	1000~20000	-46.28	PASS
Band7	20MHz	QPSK	21350	100RB#0	20000~27000	-39.75	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.009~0.15	-75.01	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.15~30	-69.25	PASS
Band7	20MHz	16QAM	20850	100RB#0	30~1000	-65.94	PASS
Band7	20MHz	16QAM	20850	100RB#0	1000~20000	-46.30	PASS
Band7	20MHz	16QAM	20850	100RB#0	20000~27000	-39.41	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.009~0.15	-72.96	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.15~30	-67.29	PASS
Band7	20MHz	16QAM	21100	100RB#0	30~1000	-66.64	PASS
Band7	20MHz	16QAM	21100	100RB#0	1000~20000	-45.53	PASS
Band7	20MHz	16QAM	21100	100RB#0	20000~27000	-39.90	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.009~0.15	-72.13	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.15~30	-68.22	PASS
Band7	20MHz	16QAM	21350	100RB#0	30~1000	-66.55	PASS
Band7	20MHz	16QAM	21350	100RB#0	1000~20000	-46.04	PASS
Band7	20MHz	16QAM	21350	100RB#0	20000~27000	-39.46	PASS

Test Graphs

