

FCC LTE Band Test Data

FCC ID : 2BKLE-ORION

Company: : Versa World Inc.

EUT : Body Worn Camera

Model Number : Orion

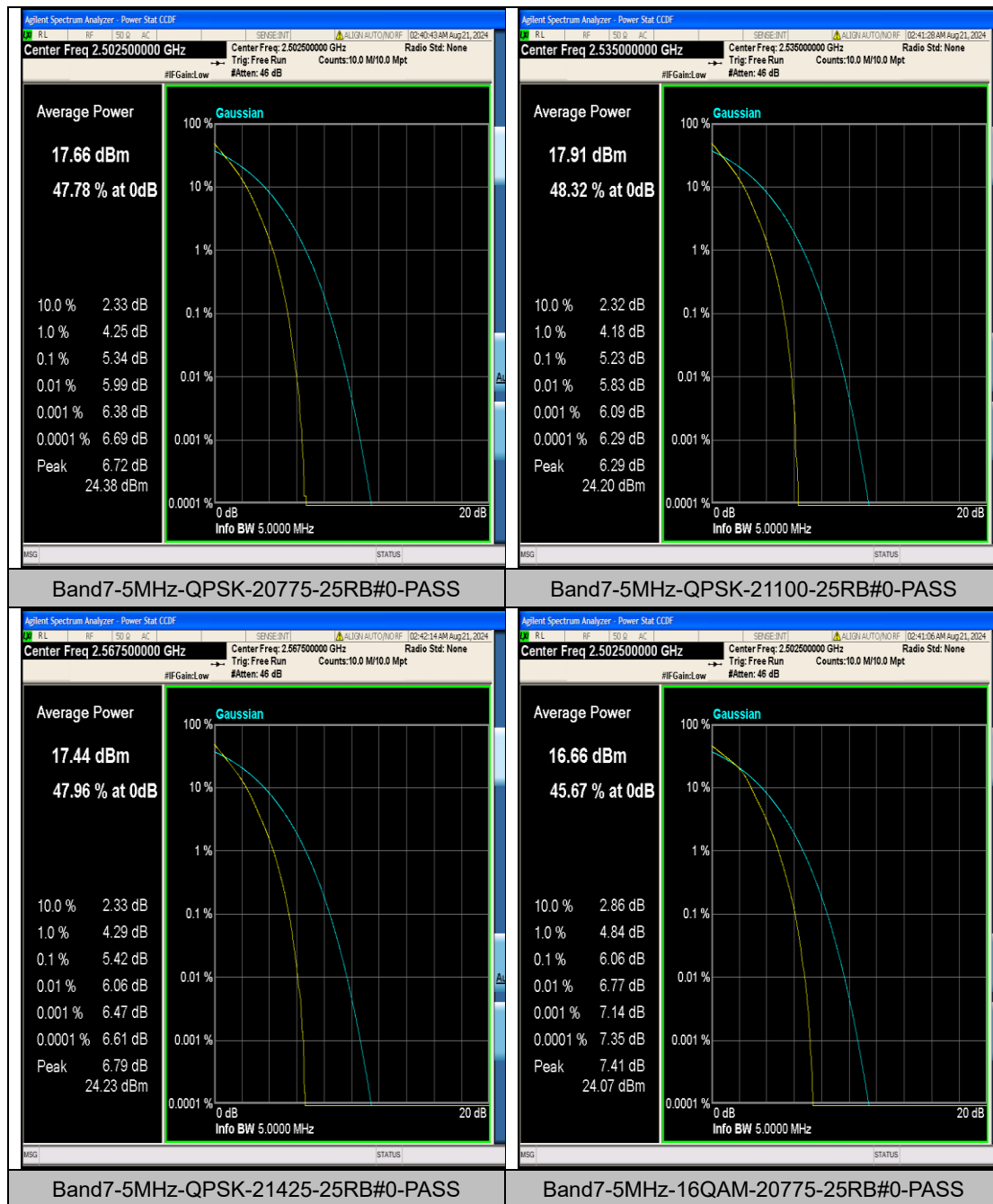
Reviewed By : Eric Wang

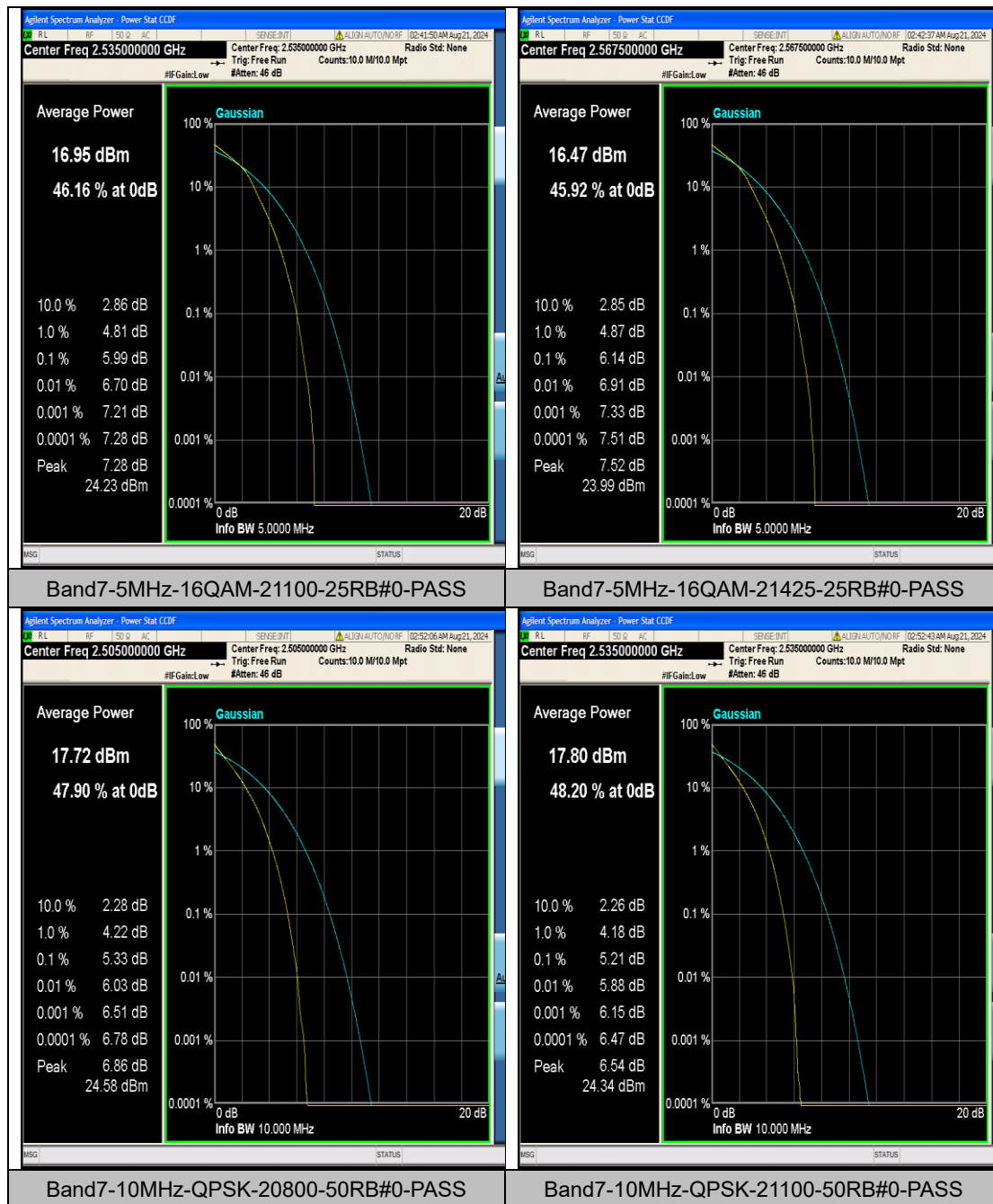
Appendix B: Peak-to-Average Ratio(CCDF)

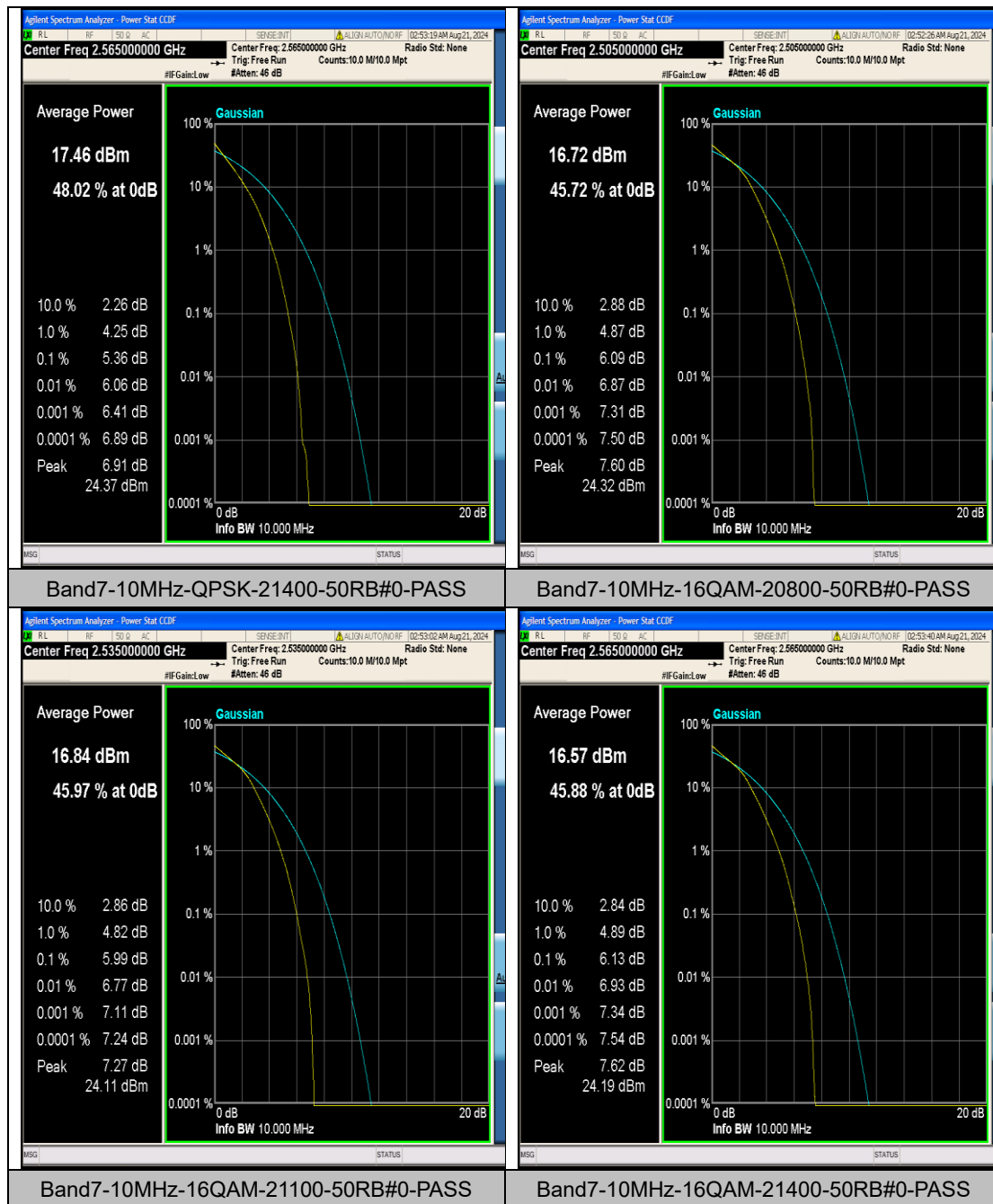
Test Result

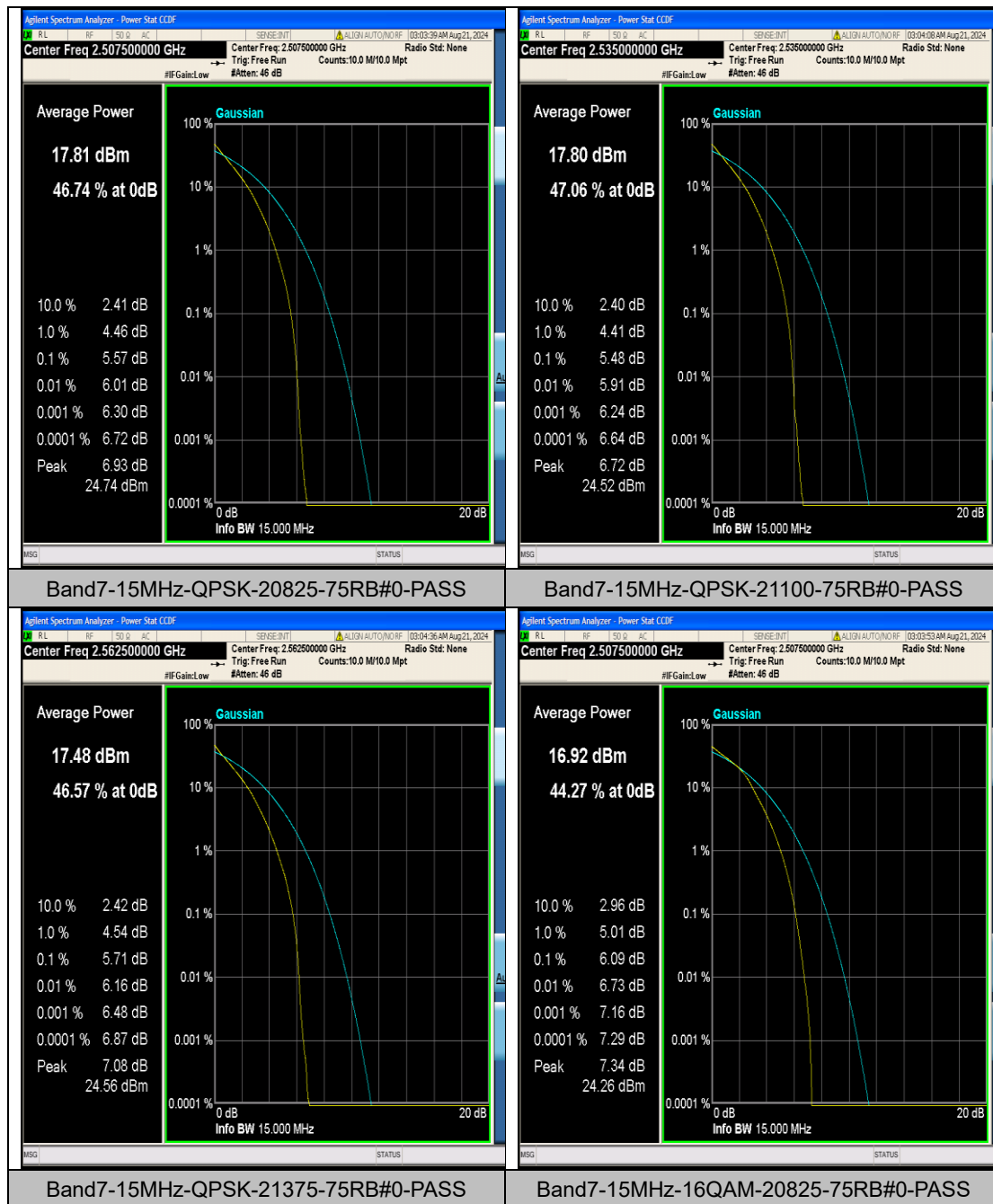
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	5.34	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.23	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.42	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	6.06	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.99	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.14	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.33	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.21	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.36	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	6.09	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.99	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	6.13	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.57	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.48	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.71	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.09	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.99	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.20	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.21	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.09	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.37	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.00	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.99	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.09	13	PASS

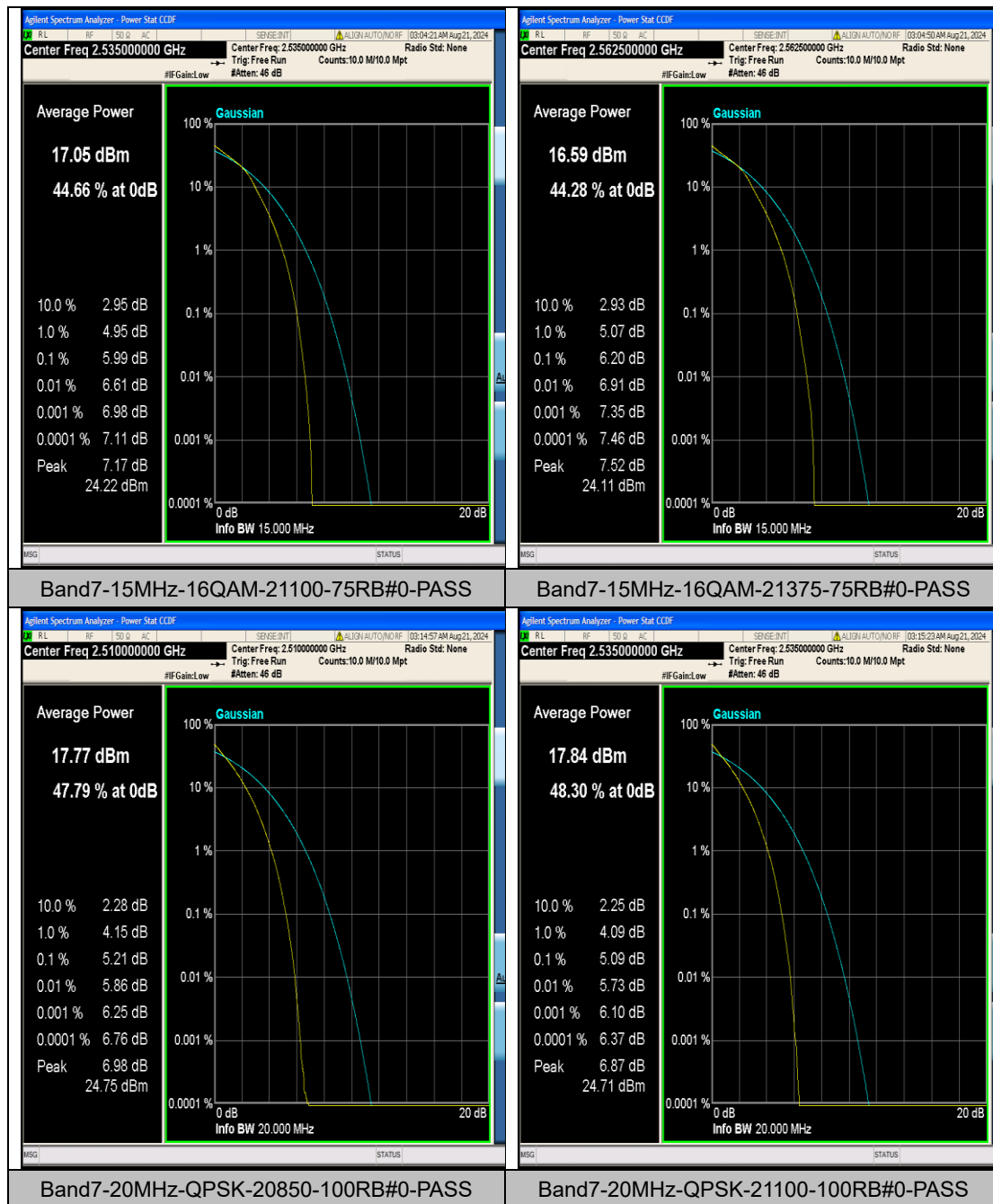
Test Graphs

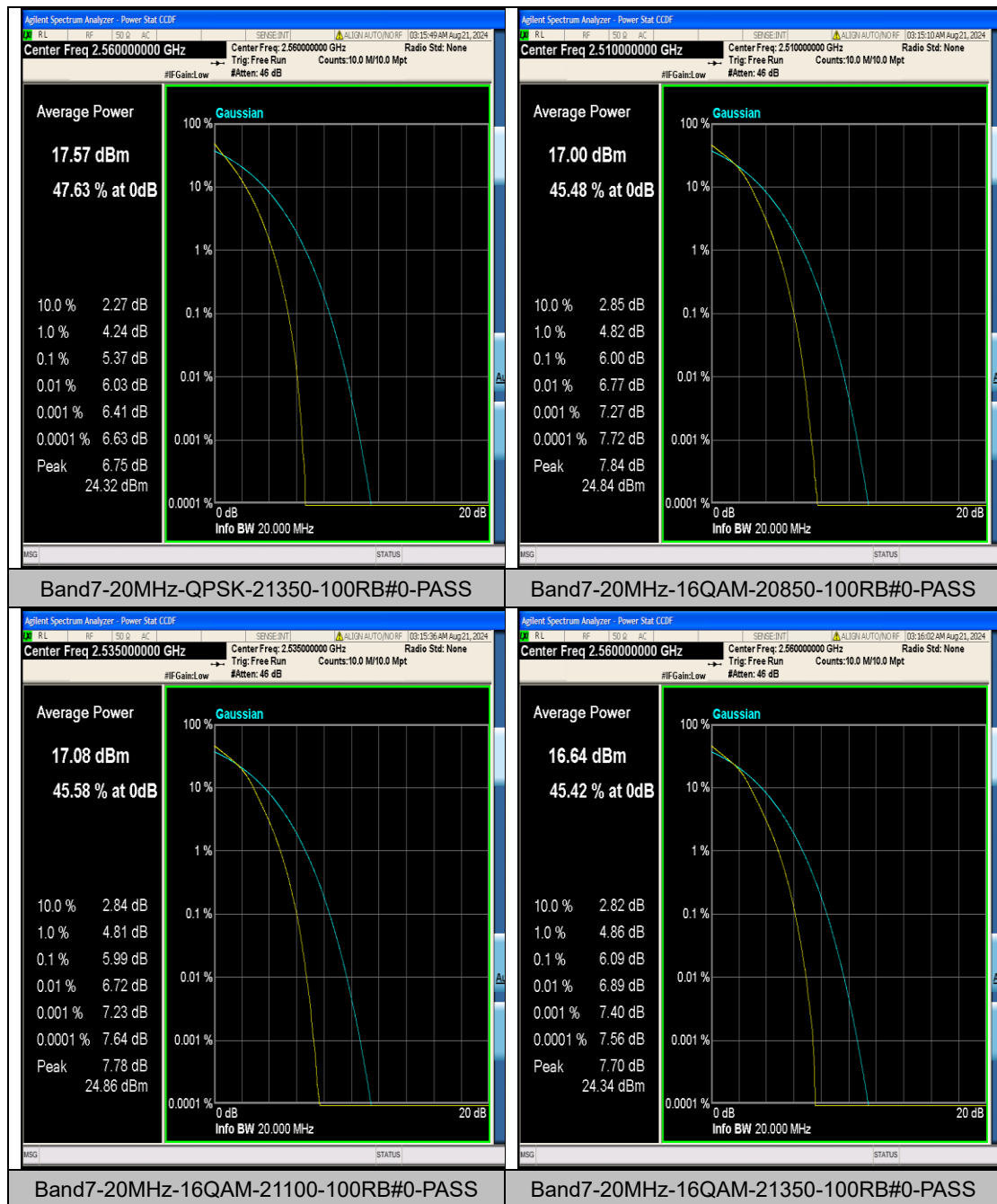










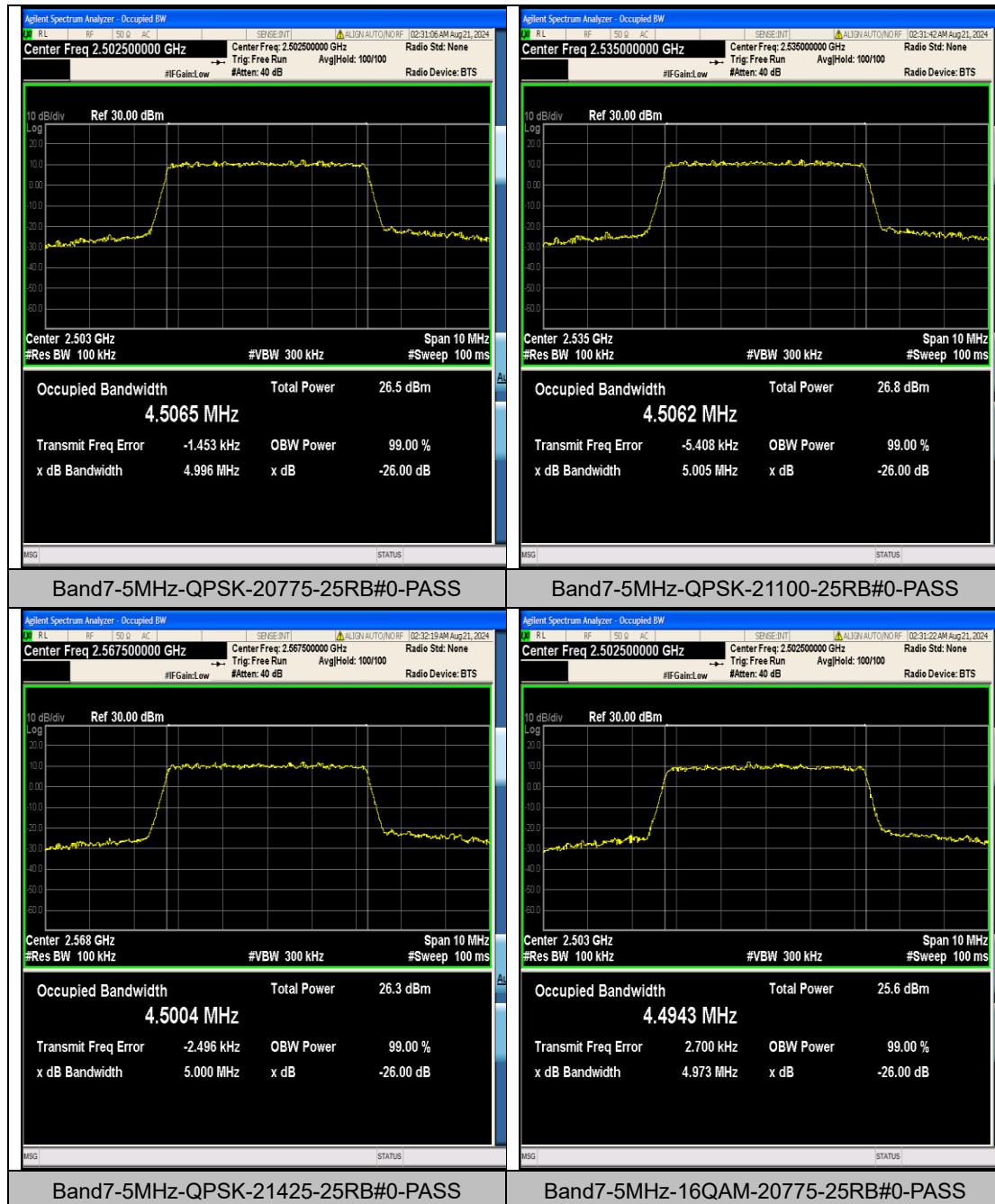


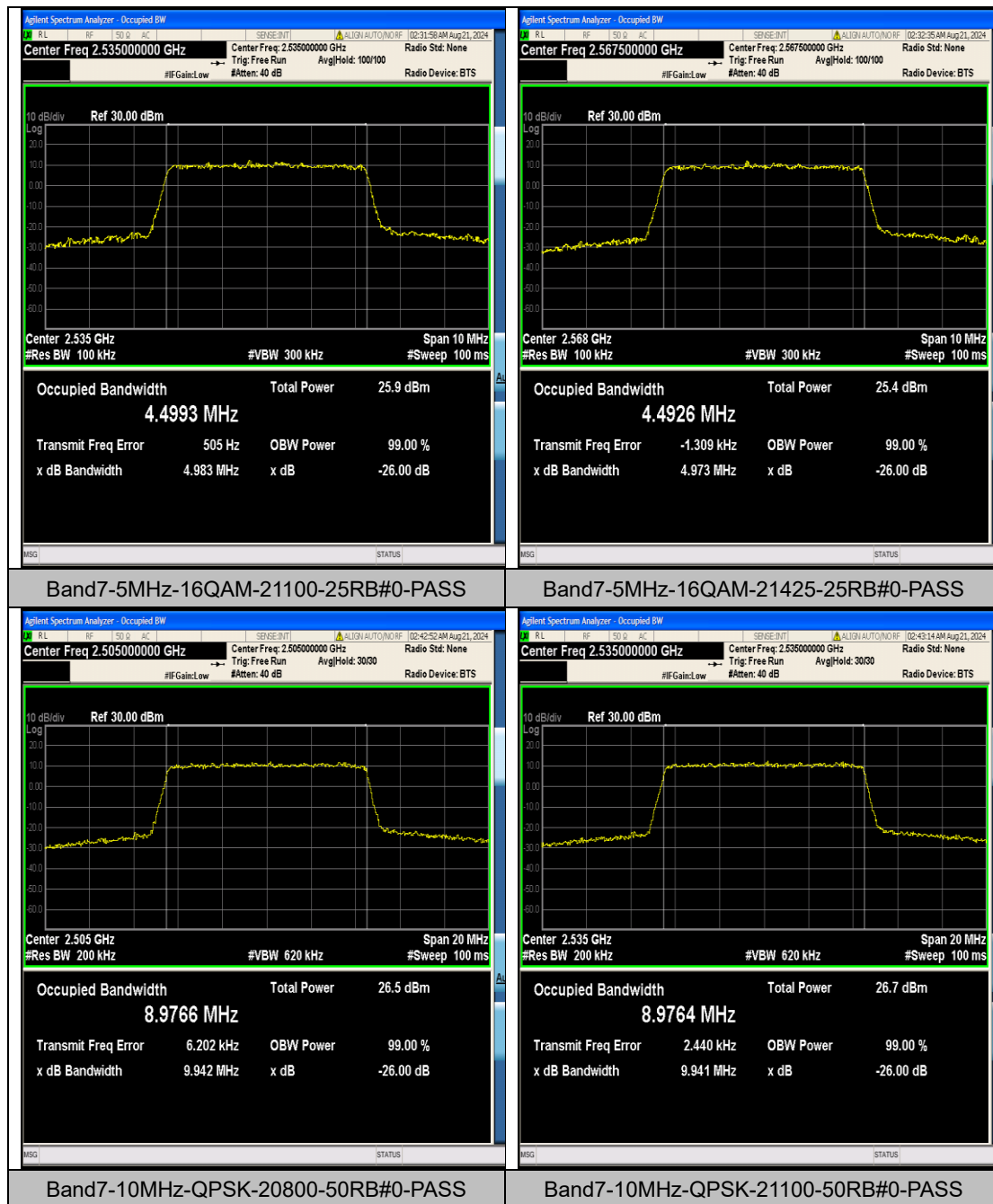
Appendix C: 26dB Bandwidth and Occupied Bandwidth

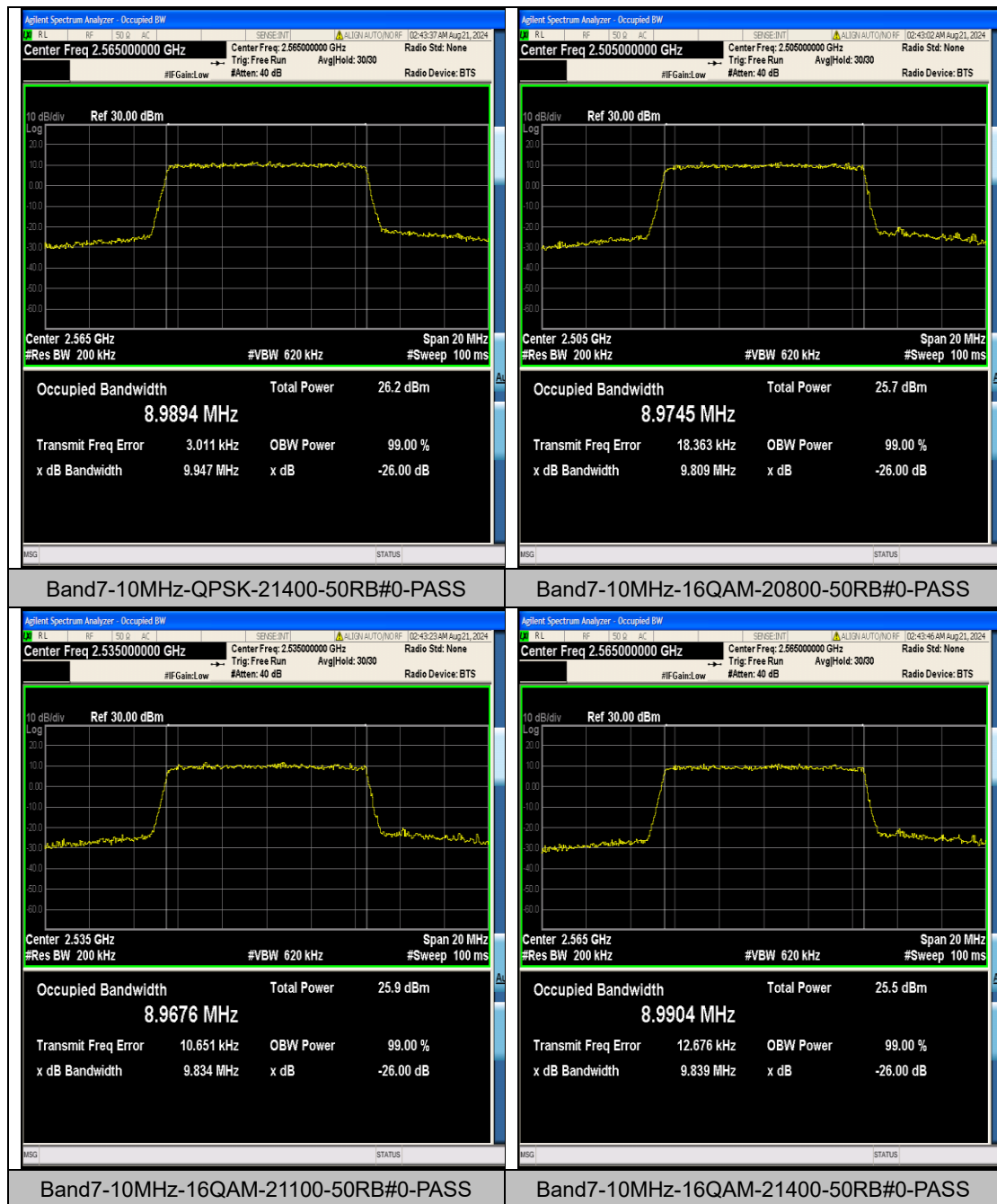
Test Result

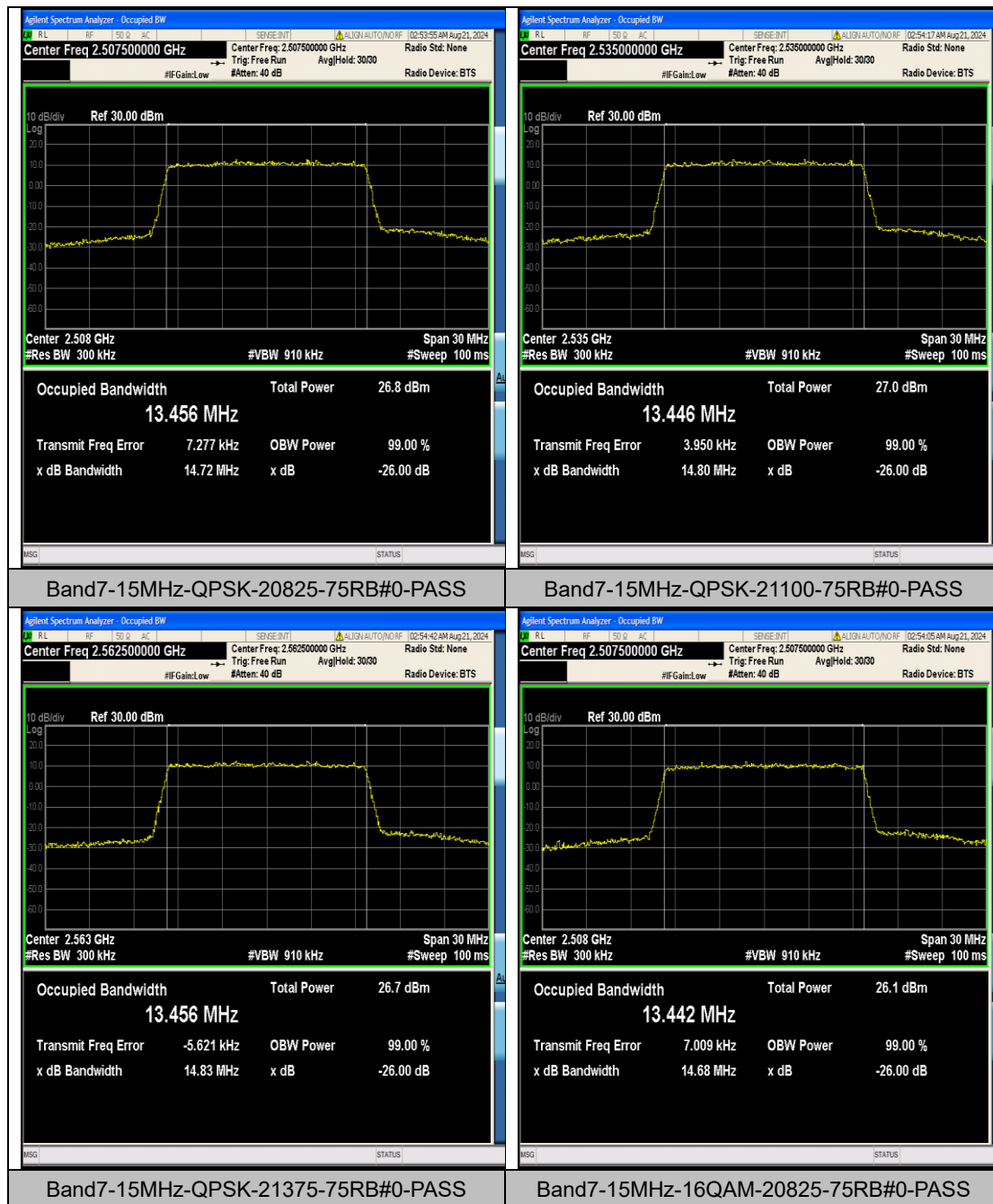
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5065	4.996	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5062	5.005	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5004	5.000	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4943	4.973	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.4993	4.983	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.4926	4.973	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9766	9.942	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9764	9.941	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9894	9.947	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9745	9.809	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9676	9.834	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9904	9.839	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.456	14.72	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.446	14.80	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.456	14.83	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.442	14.68	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.439	14.68	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.474	14.67	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.923	19.43	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.929	19.53	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.971	19.66	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.952	19.45	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.961	19.50	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.937	19.47	PASS

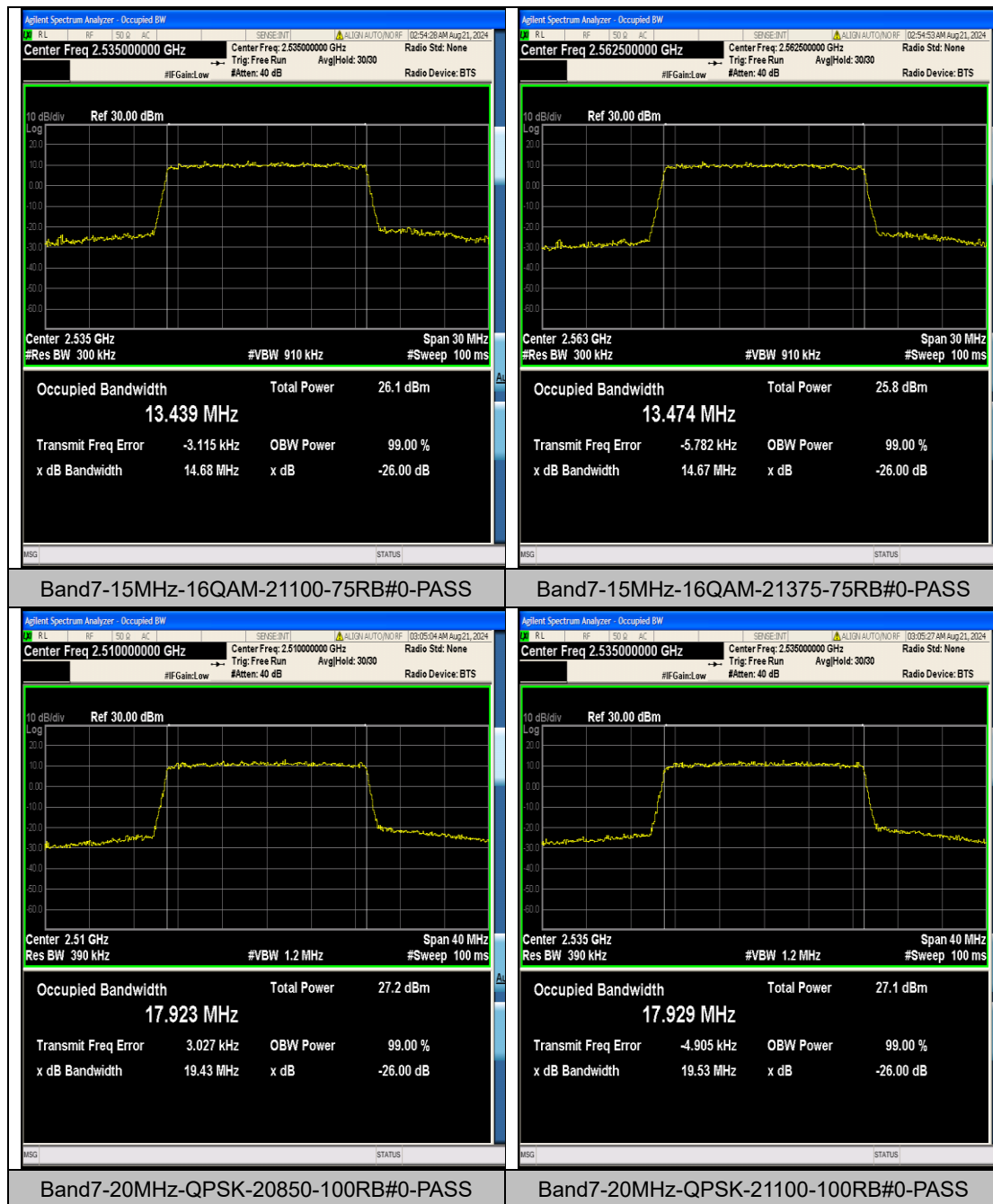
Test Graphs

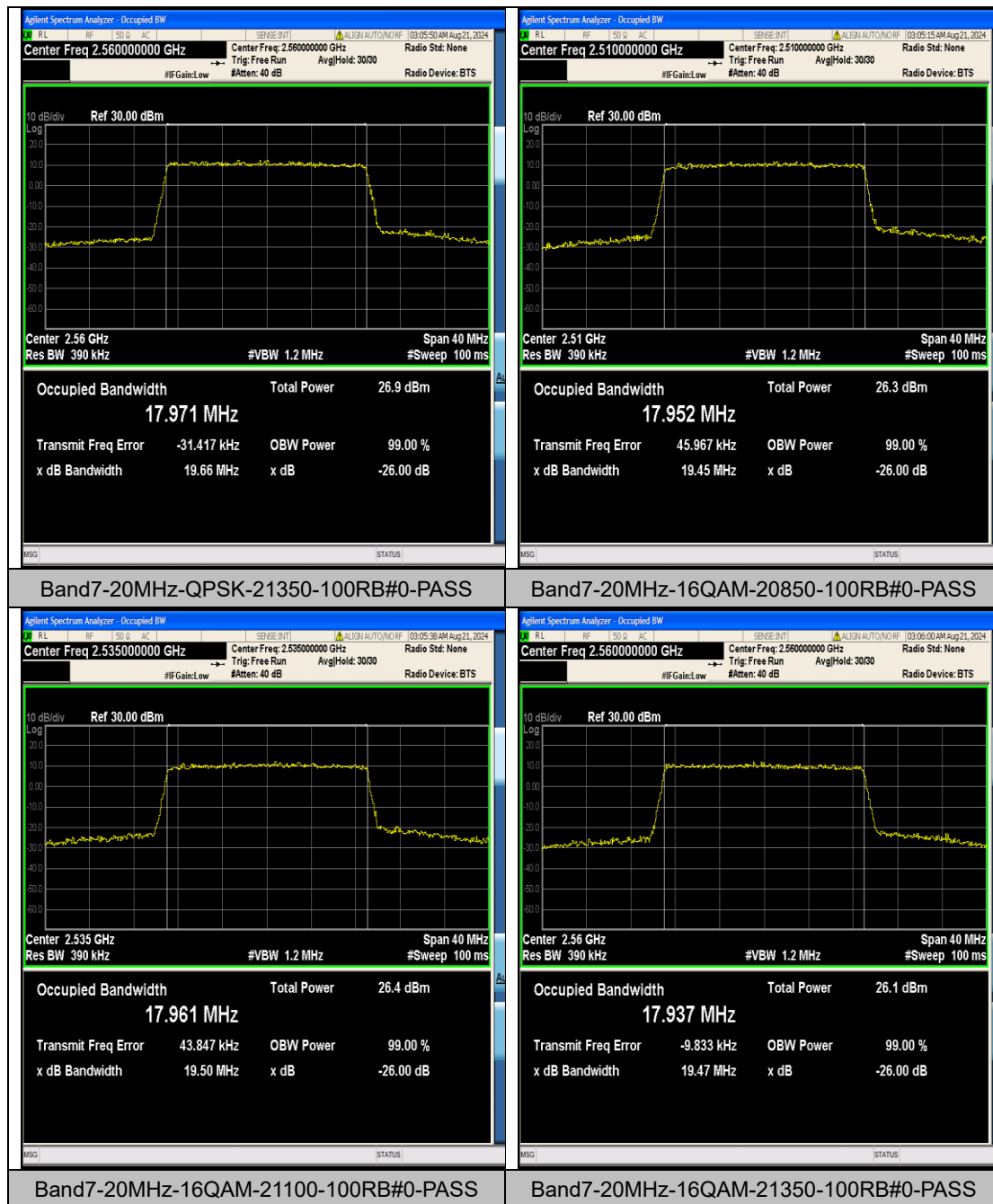










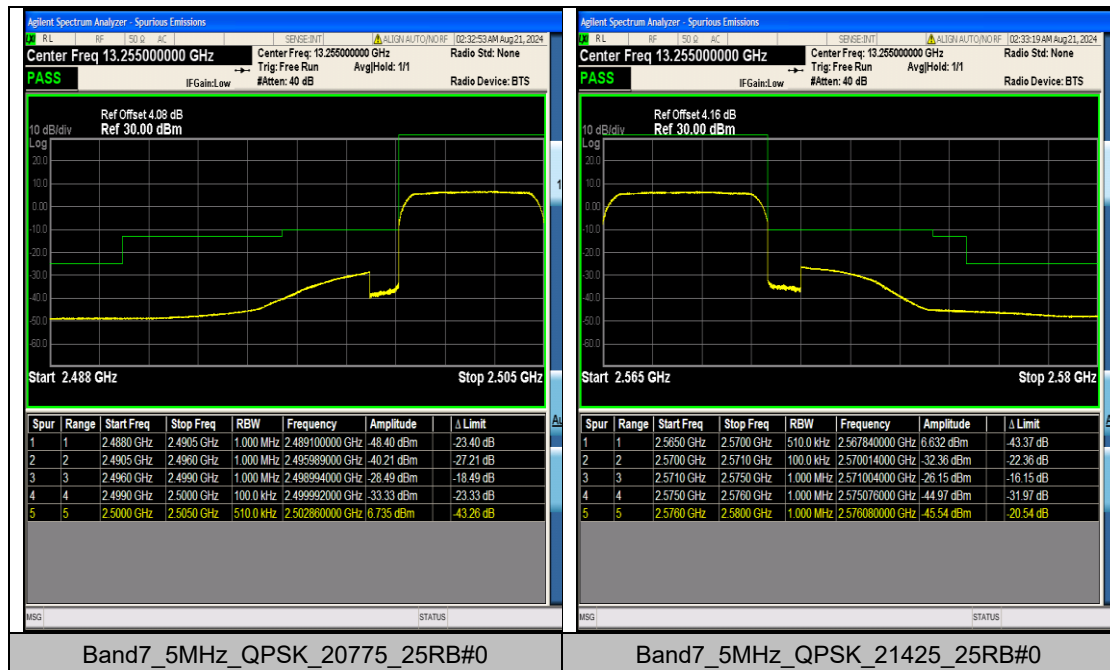


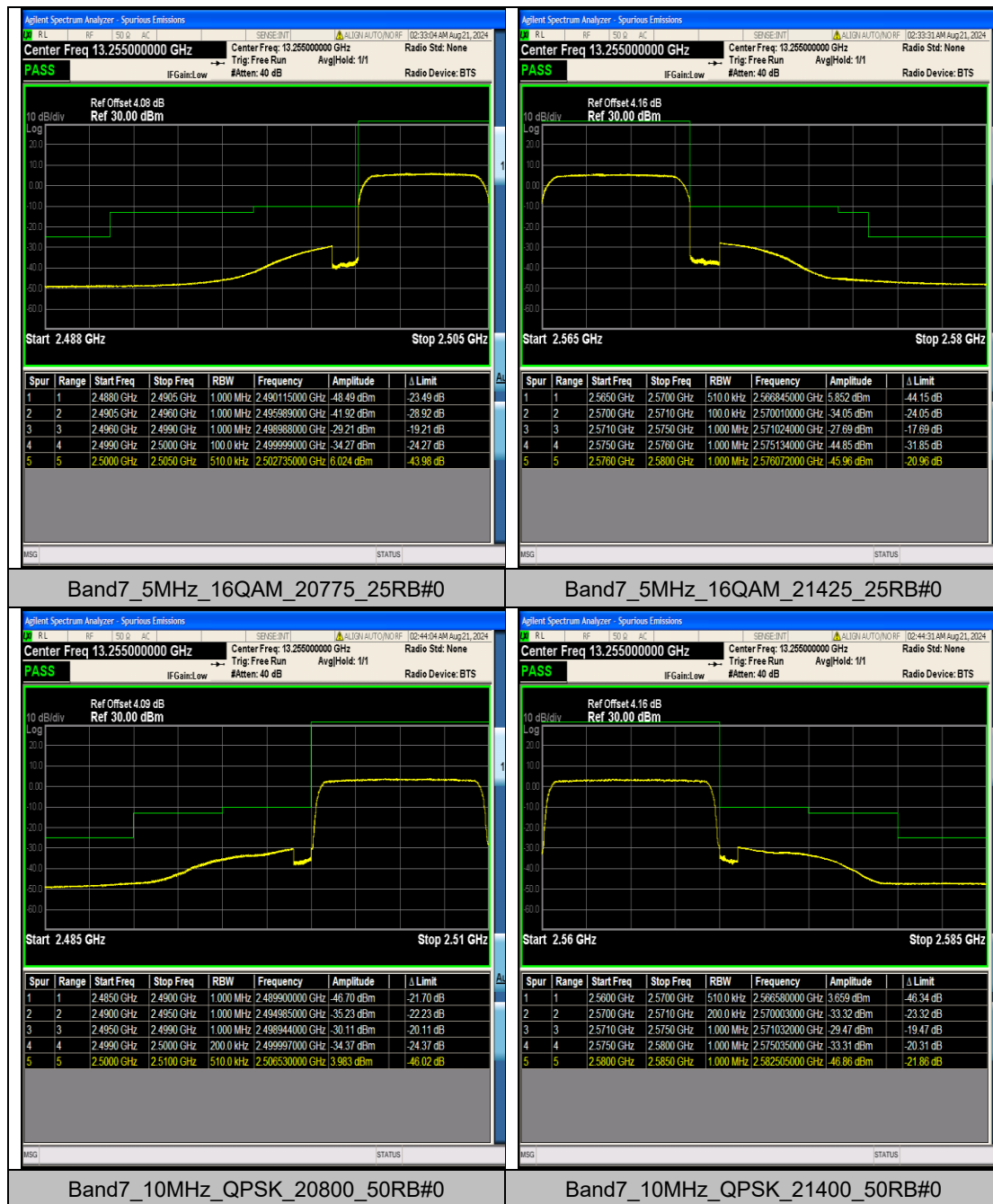
Appendix D: Band Edge

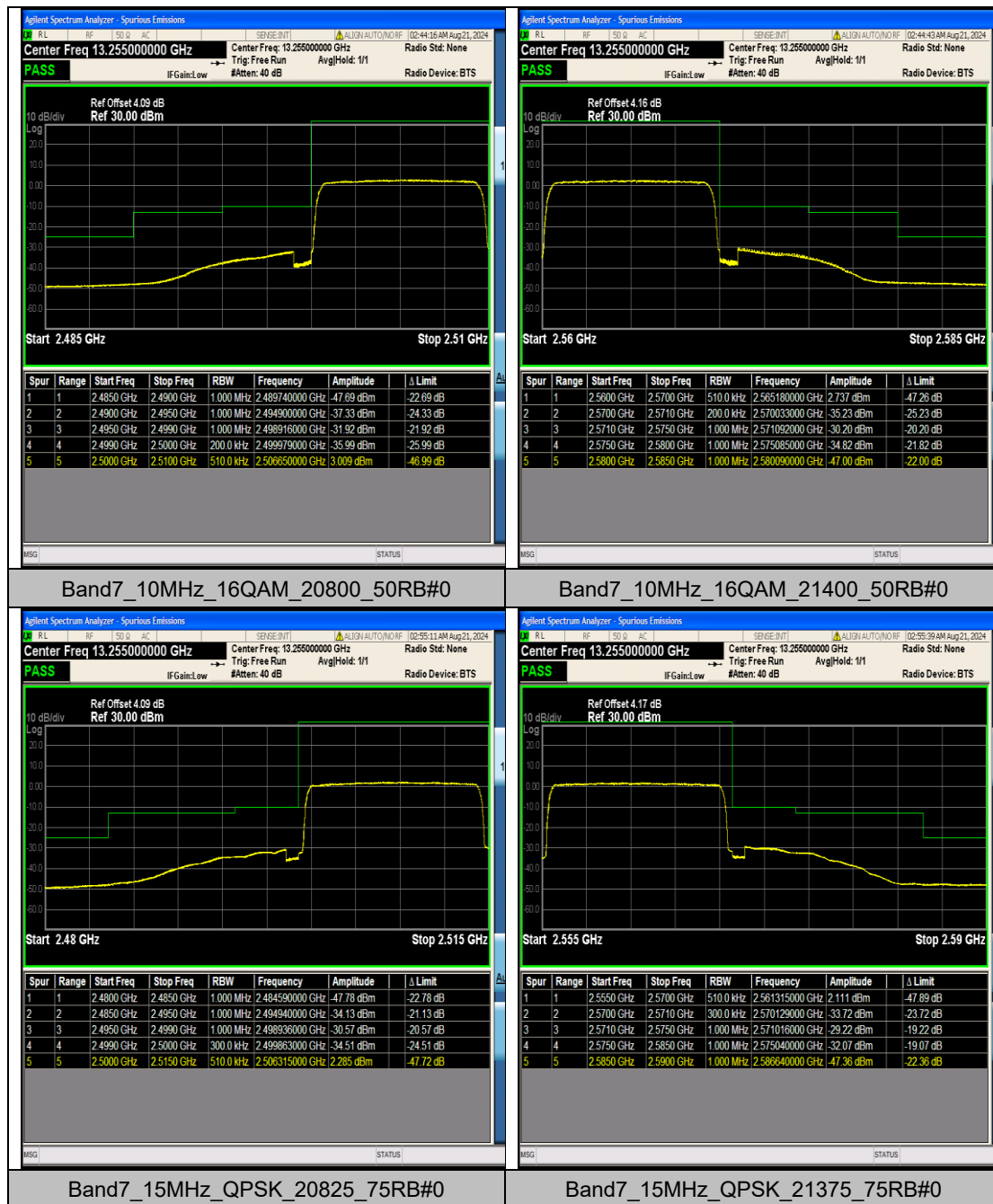
Test Result

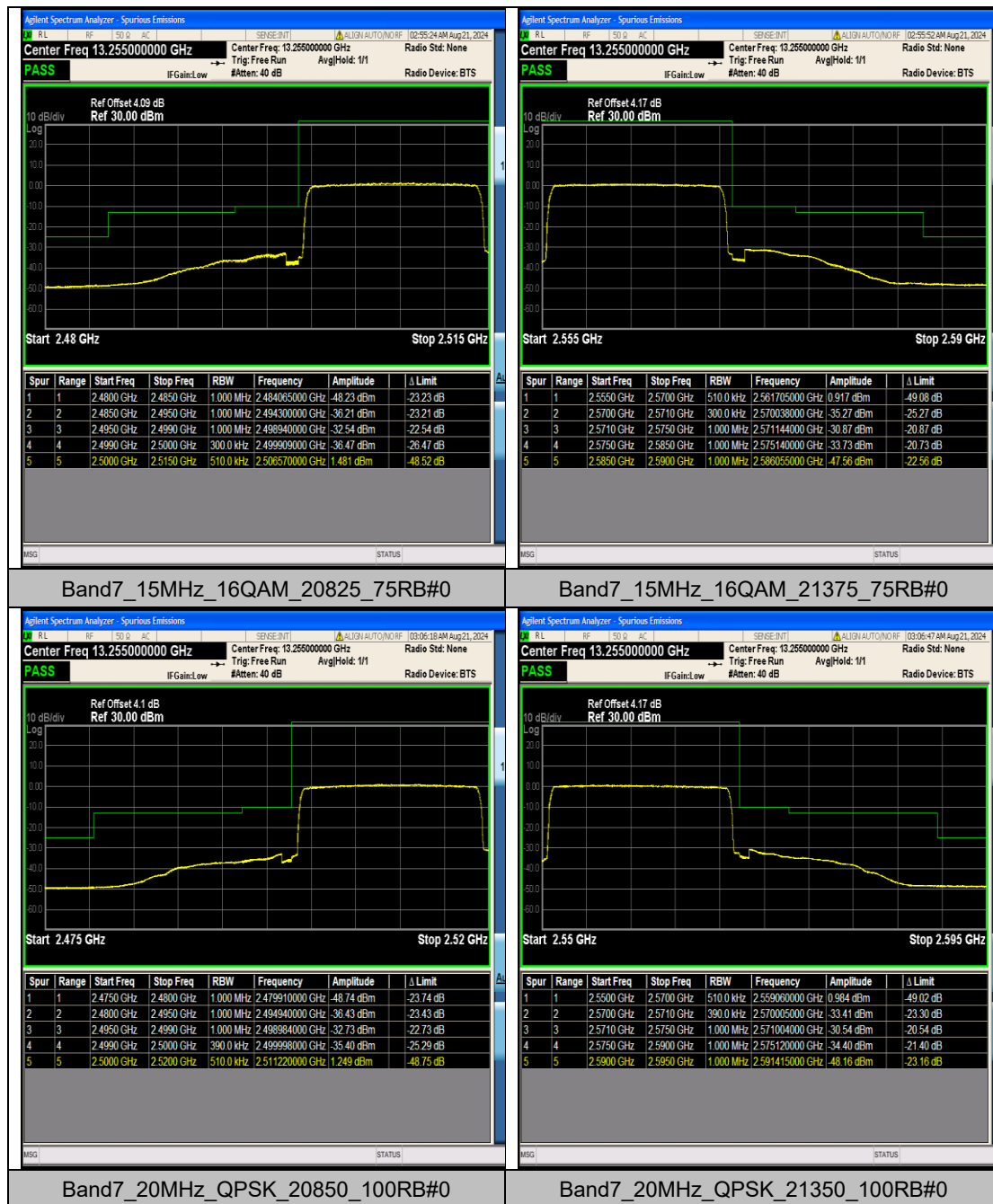
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	-28.49	PASS
Band7	5MHz	QPSK	21425	25RB#0	-26.15	PASS
Band7	5MHz	16QAM	20775	25RB#0	-29.21	PASS
Band7	5MHz	16QAM	21425	25RB#0	-27.69	PASS
Band7	10MHz	QPSK	20800	50RB#0	-30.11	PASS
Band7	10MHz	QPSK	21400	50RB#0	-29.47	PASS
Band7	10MHz	16QAM	20800	50RB#0	-31.92	PASS
Band7	10MHz	16QAM	21400	50RB#0	-30.20	PASS
Band7	15MHz	QPSK	20825	75RB#0	-30.57	PASS
Band7	15MHz	QPSK	21375	75RB#0	-32.07	PASS
Band7	15MHz	16QAM	20825	75RB#0	-32.54	PASS
Band7	15MHz	16QAM	21375	75RB#0	-33.73	PASS
Band7	20MHz	QPSK	20850	100RB#0	-32.73	PASS
Band7	20MHz	QPSK	21350	100RB#0	-30.54	PASS
Band7	20MHz	16QAM	20850	100RB#0	-48.84	PASS
Band7	20MHz	16QAM	21350	100RB#0	-32.33	PASS

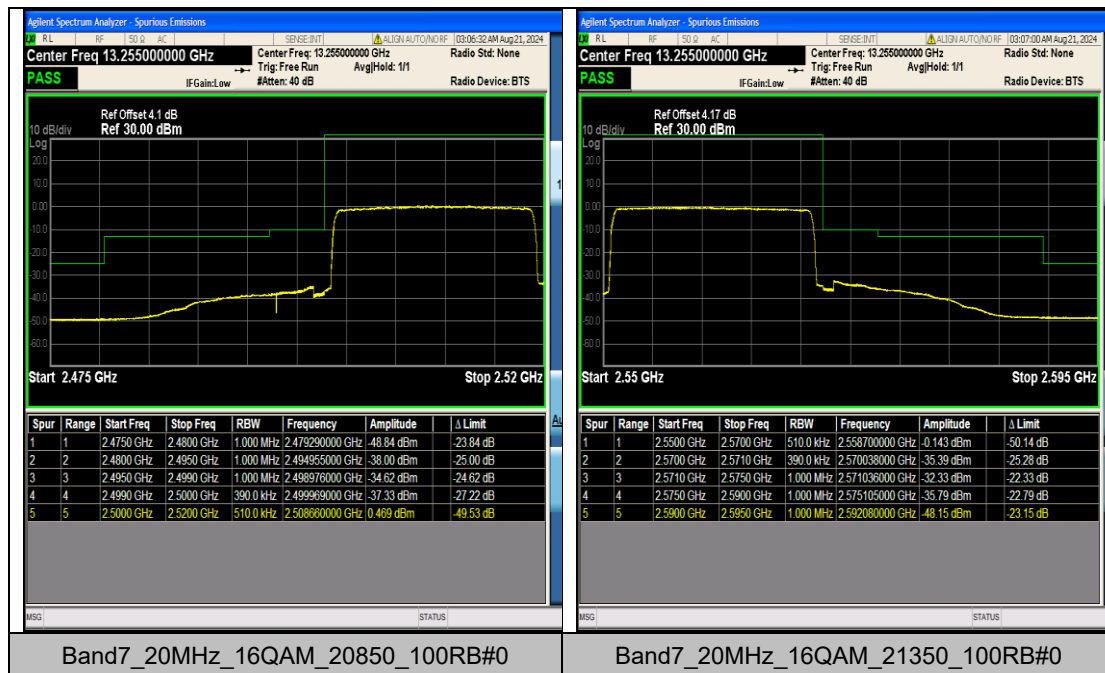
Test Graphs











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	-74.51	PASS
Band7	5MHz	QPSK	20775	25RB#0	0.15~30	-70.72	PASS
Band7	5MHz	QPSK	20775	25RB#0	30~1000	-66.68	PASS
Band7	5MHz	QPSK	20775	25RB#0	1000~20000	-45.56	PASS
Band7	5MHz	QPSK	20775	25RB#0	20000~27000	-38.98	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.009~0.15	-72.75	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.15~30	-67.14	PASS
Band7	5MHz	QPSK	21100	25RB#0	30~1000	-66.91	PASS
Band7	5MHz	QPSK	21100	25RB#0	1000~20000	-45.62	PASS
Band7	5MHz	QPSK	21100	25RB#0	20000~27000	-39.41	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.009~0.15	-75.54	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.15~30	-67.95	PASS
Band7	5MHz	QPSK	21425	25RB#0	30~1000	-66.84	PASS
Band7	5MHz	QPSK	21425	25RB#0	1000~20000	-45.43	PASS
Band7	5MHz	QPSK	21425	25RB#0	20000~27000	-39.22	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.009~0.15	-72.49	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.15~30	-68.04	PASS
Band7	5MHz	16QAM	20775	25RB#0	30~1000	-66.62	PASS
Band7	5MHz	16QAM	20775	25RB#0	1000~20000	-45.75	PASS
Band7	5MHz	16QAM	20775	25RB#0	20000~27000	-39.15	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.009~0.15	-72.90	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.15~30	-68.83	PASS
Band7	5MHz	16QAM	21100	25RB#0	30~1000	-66.71	PASS
Band7	5MHz	16QAM	21100	25RB#0	1000~20000	-45.40	PASS
Band7	5MHz	16QAM	21100	25RB#0	20000~27000	-39.24	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.009~0.15	-75.83	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.15~30	-65.17	PASS
Band7	5MHz	16QAM	21425	25RB#0	30~1000	-66.46	PASS
Band7	5MHz	16QAM	21425	25RB#0	1000~20000	-45.78	PASS
Band7	5MHz	16QAM	21425	25RB#0	20000~27000	-39.28	PASS
Band7	10MHz	QPSK	20800	50RB#0	0.009~0.15	-73.69	PASS
Band7	10MHz	QPSK	20800	50RB#0	0.15~30	-68.34	PASS
Band7	10MHz	QPSK	20800	50RB#0	30~1000	-66.48	PASS
Band7	10MHz	QPSK	20800	50RB#0	1000~20000	-45.70	PASS
Band7	10MHz	QPSK	20800	50RB#0	20000~27000	-39.18	PASS
Band7	10MHz	QPSK	21100	50RB#0	0.009~0.15	-72.65	PASS

Band7	10MHz	QPSK	21100	50RB#0	0.15~30	-67.54	PASS
Band7	10MHz	QPSK	21100	50RB#0	30~1000	-66.63	PASS
Band7	10MHz	QPSK	21100	50RB#0	1000~20000	-45.70	PASS
Band7	10MHz	QPSK	21100	50RB#0	20000~27000	-39.08	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.009~0.15	-74.39	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.15~30	-67.25	PASS
Band7	10MHz	QPSK	21400	50RB#0	30~1000	-66.71	PASS
Band7	10MHz	QPSK	21400	50RB#0	1000~20000	-45.80	PASS
Band7	10MHz	QPSK	21400	50RB#0	20000~27000	-39.24	PASS
Band7	10MHz	16QAM	20800	50RB#0	0.009~0.15	-74.92	PASS
Band7	10MHz	16QAM	20800	50RB#0	0.15~30	-68.30	PASS
Band7	10MHz	16QAM	20800	50RB#0	30~1000	-66.52	PASS
Band7	10MHz	16QAM	20800	50RB#0	1000~20000	-45.56	PASS
Band7	10MHz	16QAM	20800	50RB#0	20000~27000	-39.26	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.009~0.15	-74.20	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.15~30	-67.09	PASS
Band7	10MHz	16QAM	21100	50RB#0	30~1000	-66.45	PASS
Band7	10MHz	16QAM	21100	50RB#0	1000~20000	-45.69	PASS
Band7	10MHz	16QAM	21100	50RB#0	20000~27000	-38.96	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.009~0.15	-72.22	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.15~30	-68.33	PASS
Band7	10MHz	16QAM	21400	50RB#0	30~1000	-66.71	PASS
Band7	10MHz	16QAM	21400	50RB#0	1000~20000	-45.84	PASS
Band7	10MHz	16QAM	21400	50RB#0	20000~27000	-39.32	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.009~0.15	-76.02	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.15~30	-66.78	PASS
Band7	15MHz	QPSK	20825	75RB#0	30~1000	-66.91	PASS
Band7	15MHz	QPSK	20825	75RB#0	1000~20000	-45.29	PASS
Band7	15MHz	QPSK	20825	75RB#0	20000~27000	-39.37	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.009~0.15	-73.52	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.15~30	-67.90	PASS
Band7	15MHz	QPSK	21100	75RB#0	30~1000	-66.24	PASS
Band7	15MHz	QPSK	21100	75RB#0	1000~20000	-45.39	PASS
Band7	15MHz	QPSK	21100	75RB#0	20000~27000	-39.19	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.009~0.15	-71.49	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.15~30	-67.19	PASS
Band7	15MHz	QPSK	21375	75RB#0	30~1000	-66.83	PASS
Band7	15MHz	QPSK	21375	75RB#0	1000~20000	-45.76	PASS
Band7	15MHz	QPSK	21375	75RB#0	20000~27000	-39.25	PASS
Band7	15MHz	16QAM	20825	75RB#0	0.009~0.15	-71.78	PASS
Band7	15MHz	16QAM	20825	75RB#0	0.15~30	-68.64	PASS
Band7	15MHz	16QAM	20825	75RB#0	30~1000	-66.45	PASS
Band7	15MHz	16QAM	20825	75RB#0	1000~20000	-45.26	PASS

Band7	15MHz	16QAM	20825	75RB#0	20000~27000	-39.08	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.009~0.15	-75.10	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.15~30	-67.67	PASS
Band7	15MHz	16QAM	21100	75RB#0	30~1000	-66.65	PASS
Band7	15MHz	16QAM	21100	75RB#0	1000~20000	-45.71	PASS
Band7	15MHz	16QAM	21100	75RB#0	20000~27000	-39.05	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.009~0.15	-72.81	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.15~30	-68.54	PASS
Band7	15MHz	16QAM	21375	75RB#0	30~1000	-66.74	PASS
Band7	15MHz	16QAM	21375	75RB#0	1000~20000	-46.11	PASS
Band7	15MHz	16QAM	21375	75RB#0	20000~27000	-39.23	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.009~0.15	-73.64	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.15~30	-66.95	PASS
Band7	20MHz	QPSK	20850	100RB#0	30~1000	-66.62	PASS
Band7	20MHz	QPSK	20850	100RB#0	1000~20000	-45.75	PASS
Band7	20MHz	QPSK	20850	100RB#0	20000~27000	-39.47	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.009~0.15	-72.21	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.15~30	-68.43	PASS
Band7	20MHz	QPSK	21100	100RB#0	30~1000	-66.51	PASS
Band7	20MHz	QPSK	21100	100RB#0	1000~20000	-45.58	PASS
Band7	20MHz	QPSK	21100	100RB#0	20000~27000	-39.31	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.009~0.15	-72.99	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.15~30	-65.93	PASS
Band7	20MHz	QPSK	21350	100RB#0	30~1000	-66.67	PASS
Band7	20MHz	QPSK	21350	100RB#0	1000~20000	-45.81	PASS
Band7	20MHz	QPSK	21350	100RB#0	20000~27000	-38.82	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.009~0.15	-73.34	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.15~30	-71.06	PASS
Band7	20MHz	16QAM	20850	100RB#0	30~1000	-66.81	PASS
Band7	20MHz	16QAM	20850	100RB#0	1000~20000	-45.88	PASS
Band7	20MHz	16QAM	20850	100RB#0	20000~27000	-39.45	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.009~0.15	-71.96	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.15~30	-69.22	PASS
Band7	20MHz	16QAM	21100	100RB#0	30~1000	-66.71	PASS
Band7	20MHz	16QAM	21100	100RB#0	1000~20000	-45.50	PASS
Band7	20MHz	16QAM	21100	100RB#0	20000~27000	-39.16	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.009~0.15	-73.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.15~30	-69.07	PASS
Band7	20MHz	16QAM	21350	100RB#0	30~1000	-66.56	PASS
Band7	20MHz	16QAM	21350	100RB#0	1000~20000	-45.50	PASS
Band7	20MHz	16QAM	21350	100RB#0	20000~27000	-38.72	PASS

Test Graphs

