

FCC LTE Band Test Data

FCC ID : 2A7YZ-CUL8JN

Company: : Shenzhen Alldocube Science and Technology Co., Ltd.

EUT : Pad

Model Number : CUL8JN

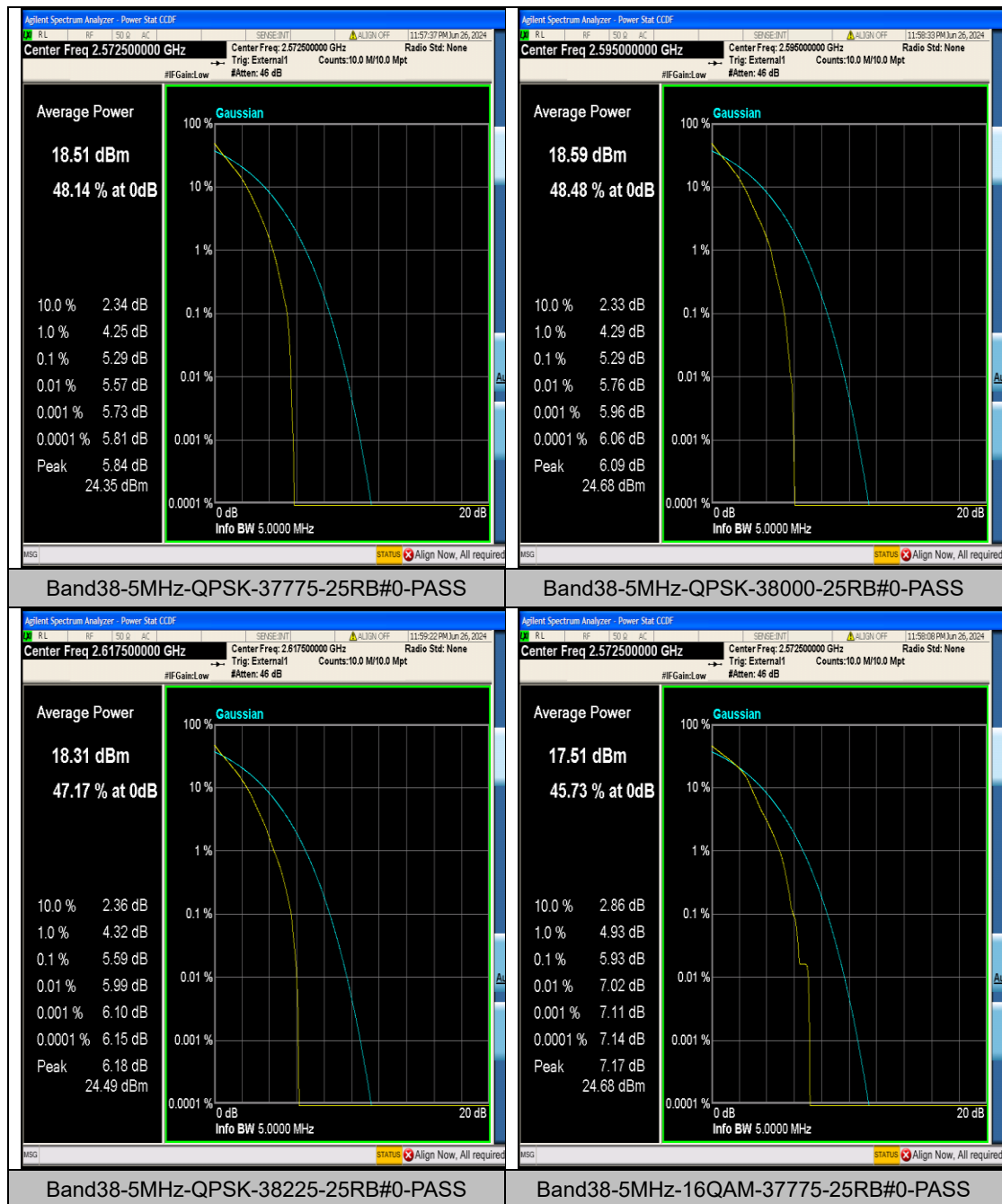
Reviewed By : Eric Wang

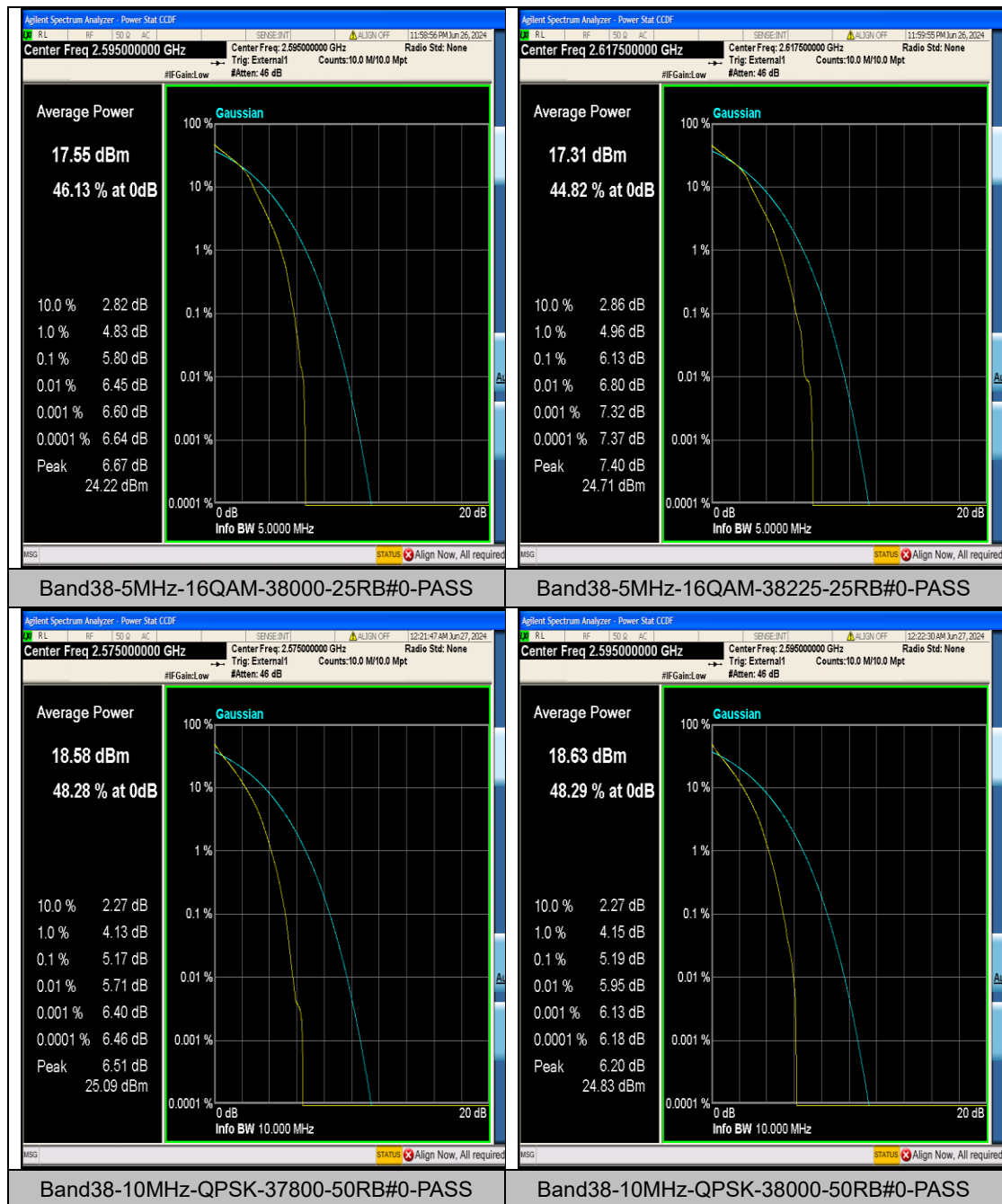
Appendix B: Peak-to-Average Ratio(CCDF)

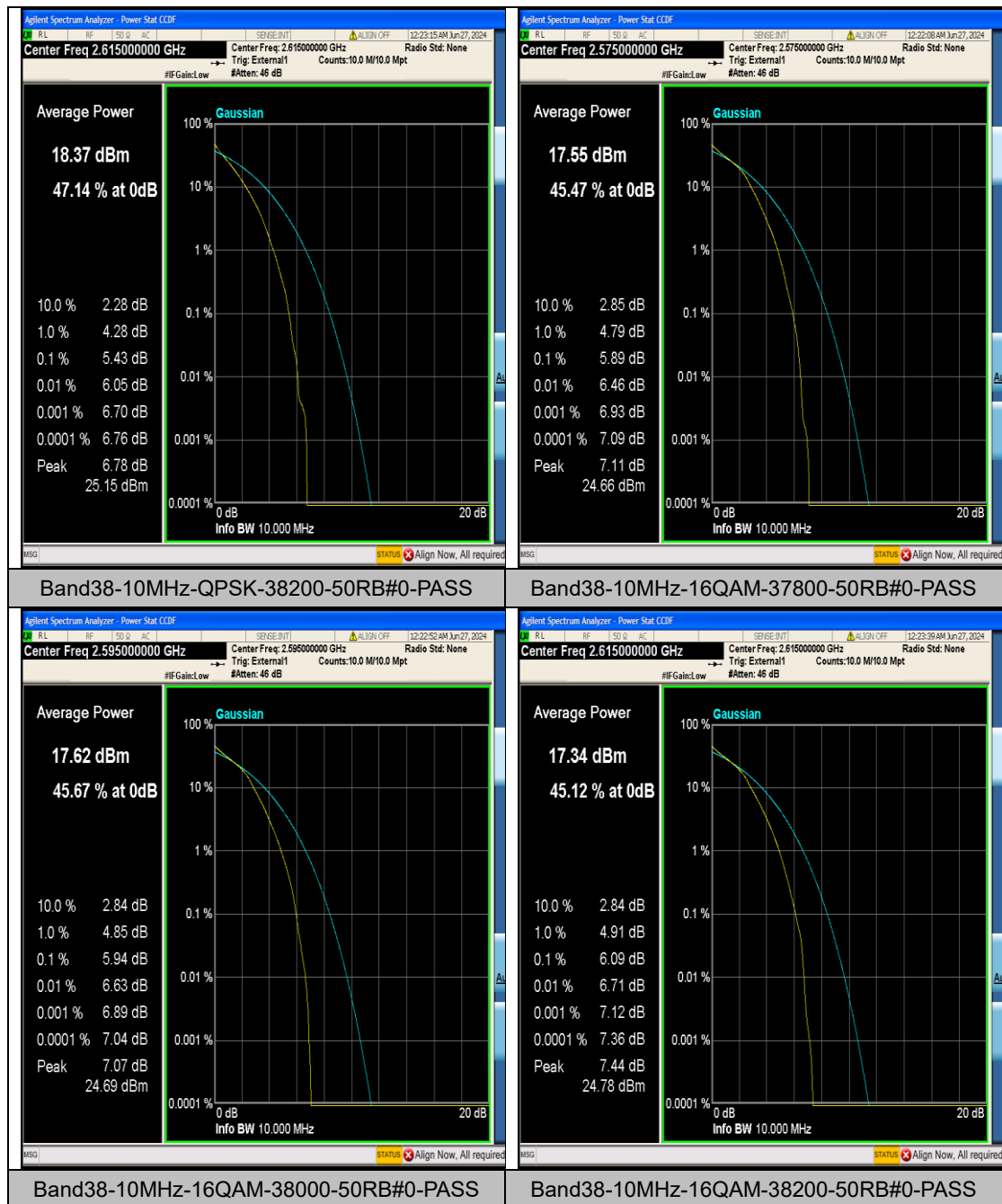
Test Result

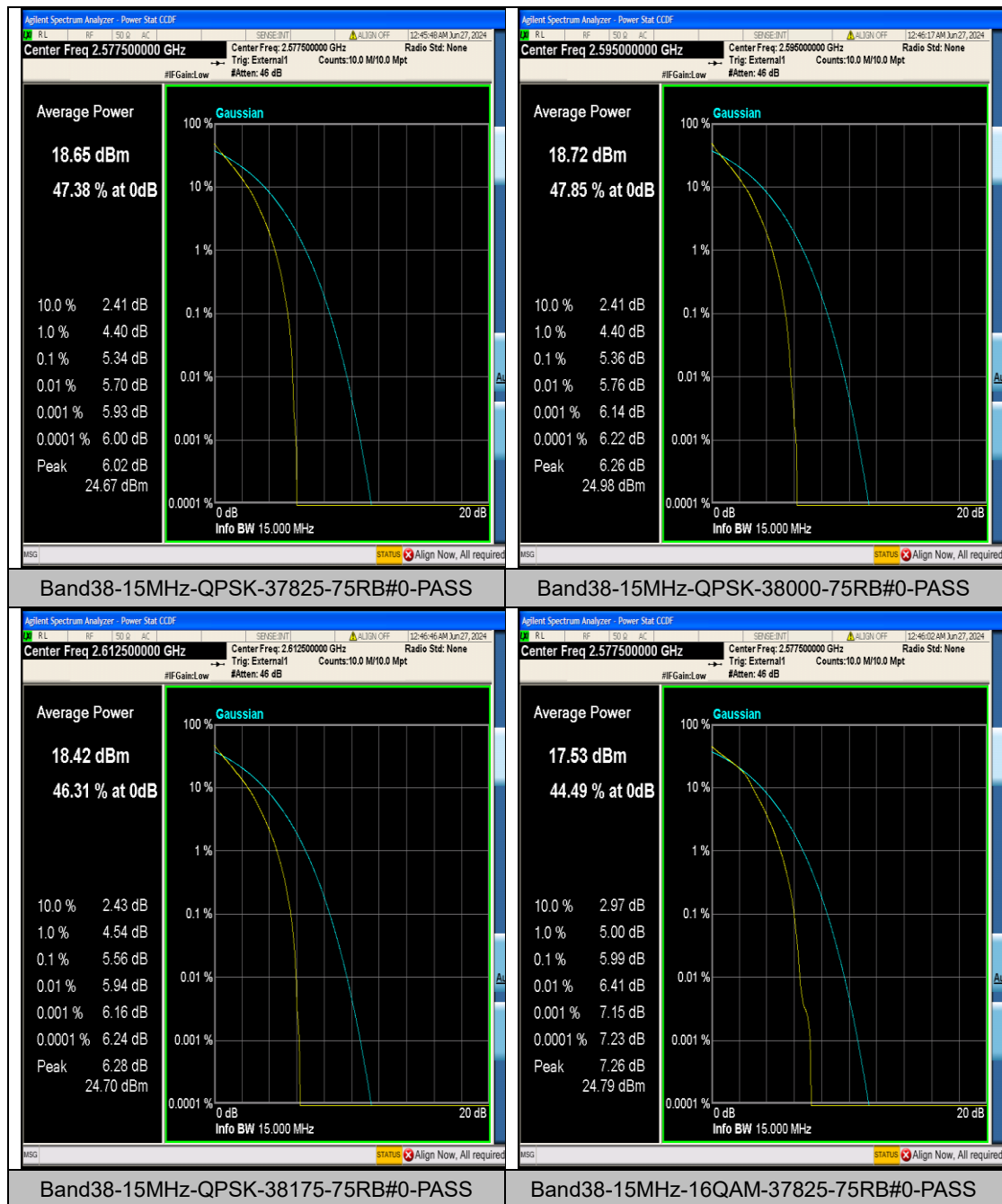
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	5.29	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	5.29	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	5.59	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	5.93	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	5.80	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	6.13	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	5.17	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	5.19	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	5.43	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	5.89	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	5.94	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	6.09	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	5.34	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	5.36	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	5.56	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	5.99	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	5.97	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	6.18	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	5.04	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	5.12	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	5.18	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	5.87	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	5.94	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	6.03	13	PASS

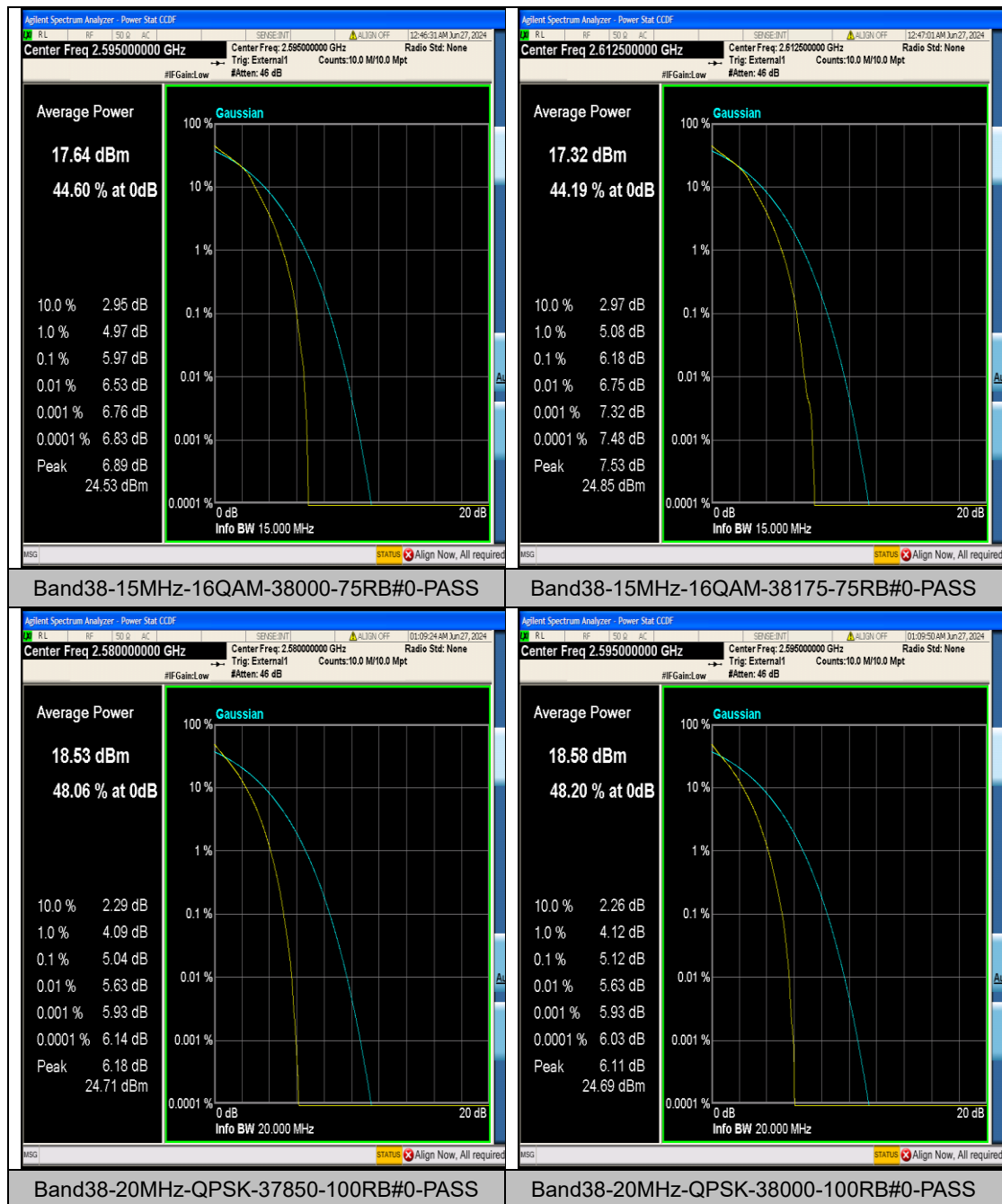
Test Graphs

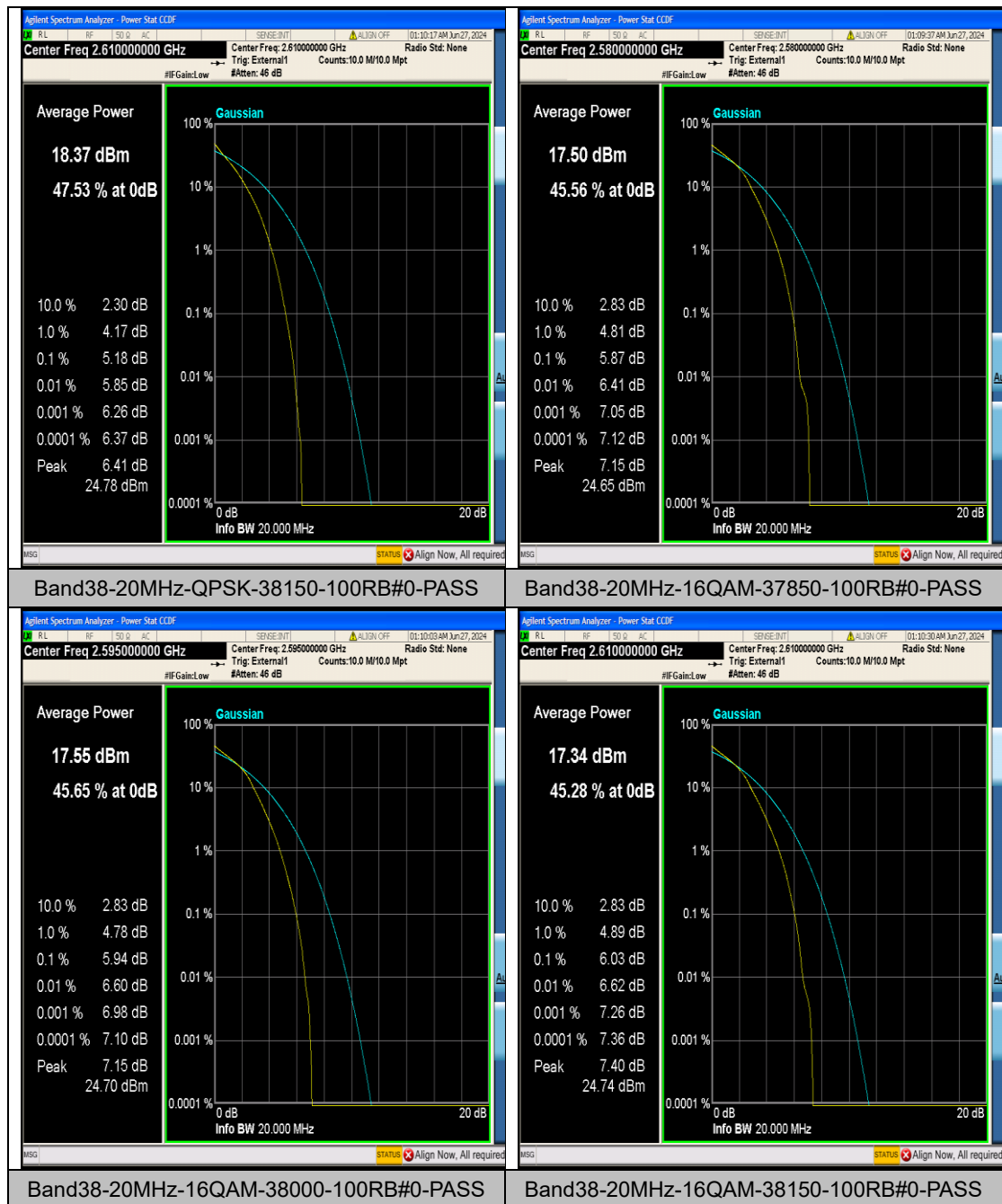










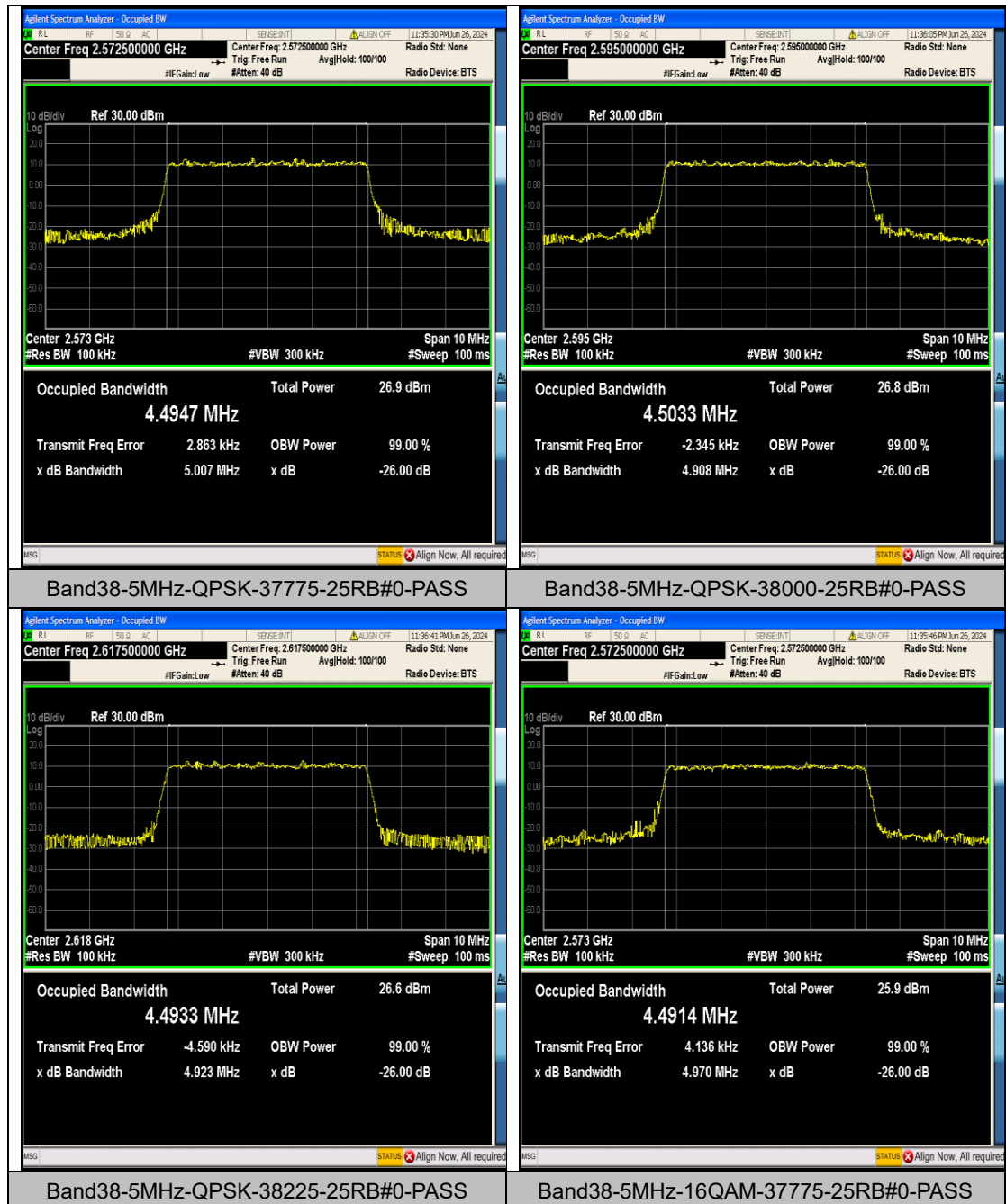


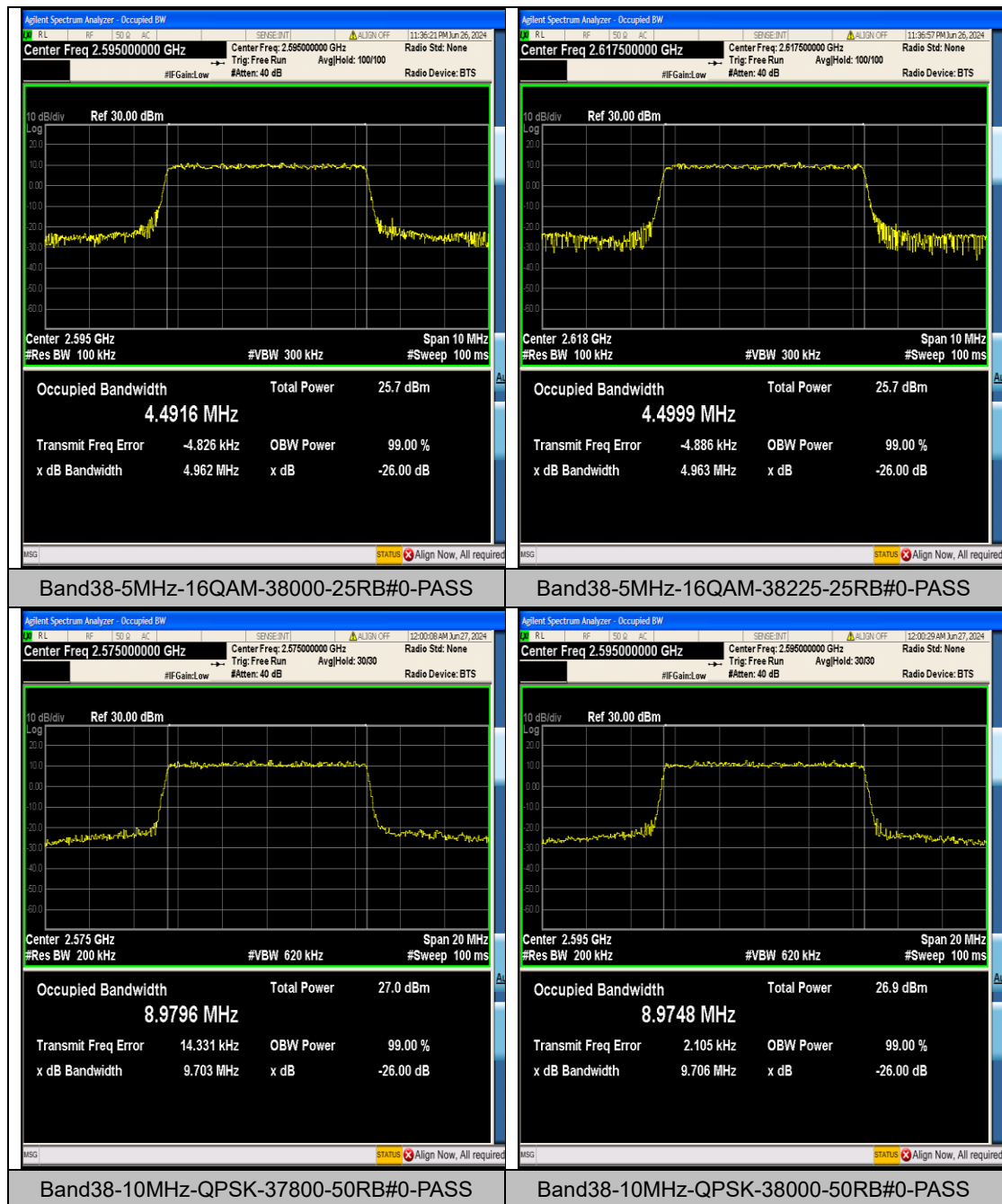
Appendix C: 26dB Bandwidth and Occupied Bandwidth

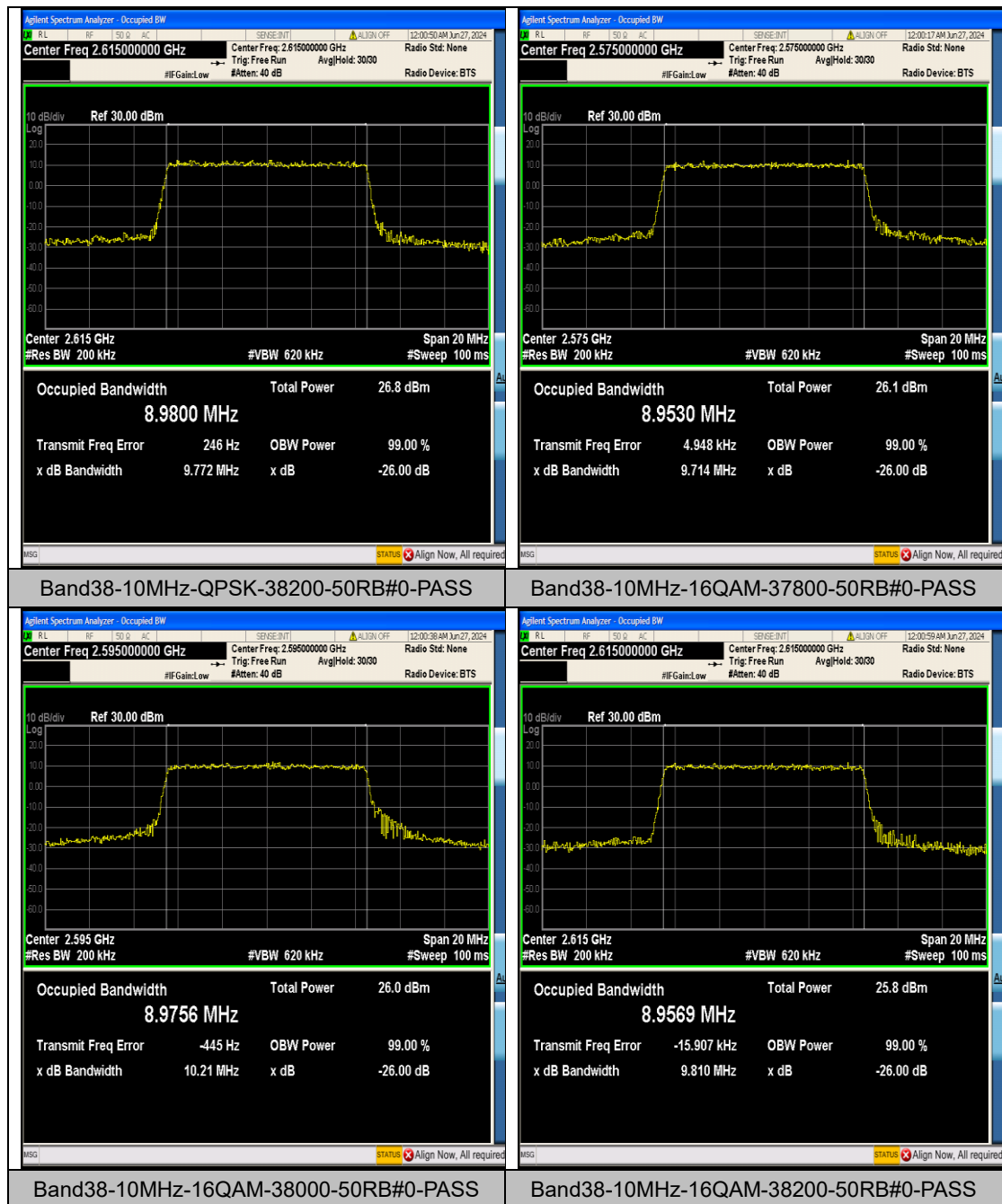
Test Result

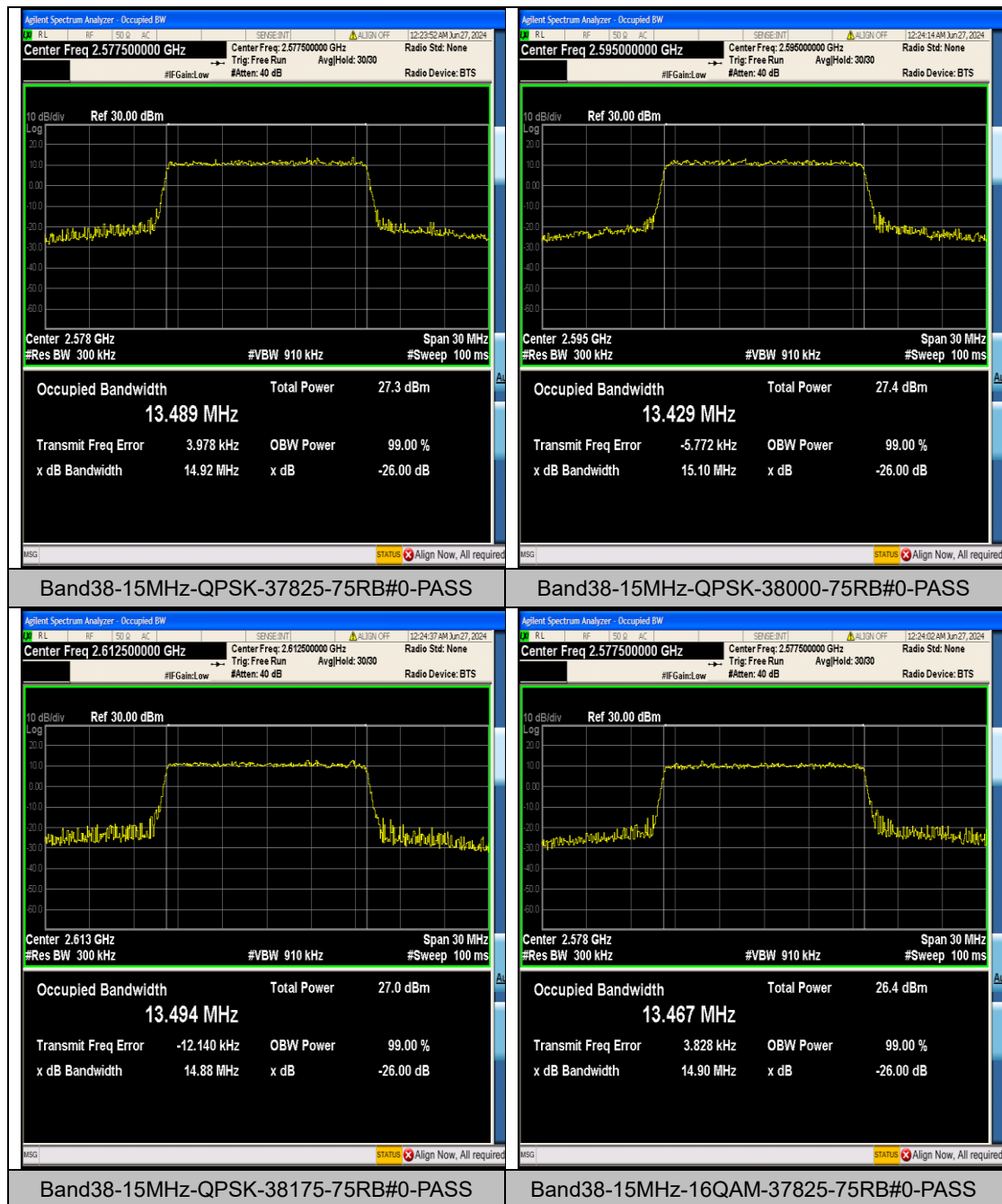
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.4947	5.007	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5033	4.908	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4933	4.923	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.4914	4.970	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4916	4.962	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4999	4.963	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9796	9.703	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9748	9.706	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9800	9.772	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9530	9.714	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9756	10.21	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9569	9.810	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.489	14.92	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.429	15.10	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.494	14.88	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.467	14.90	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.505	15.22	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.455	15.10	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.950	19.20	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.920	19.23	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.946	19.31	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.913	19.41	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.883	19.30	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.900	19.33	PASS

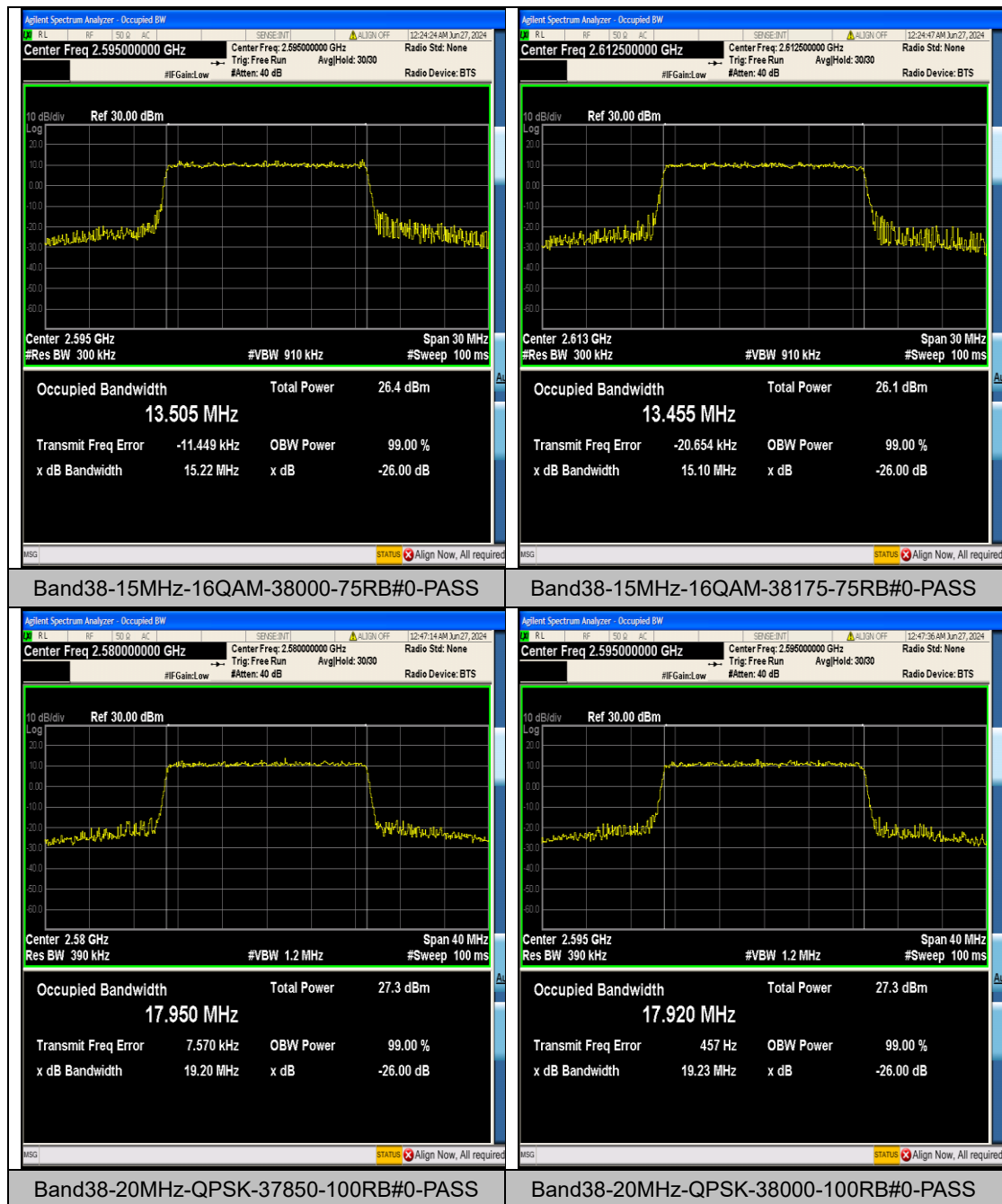
Test Graphs

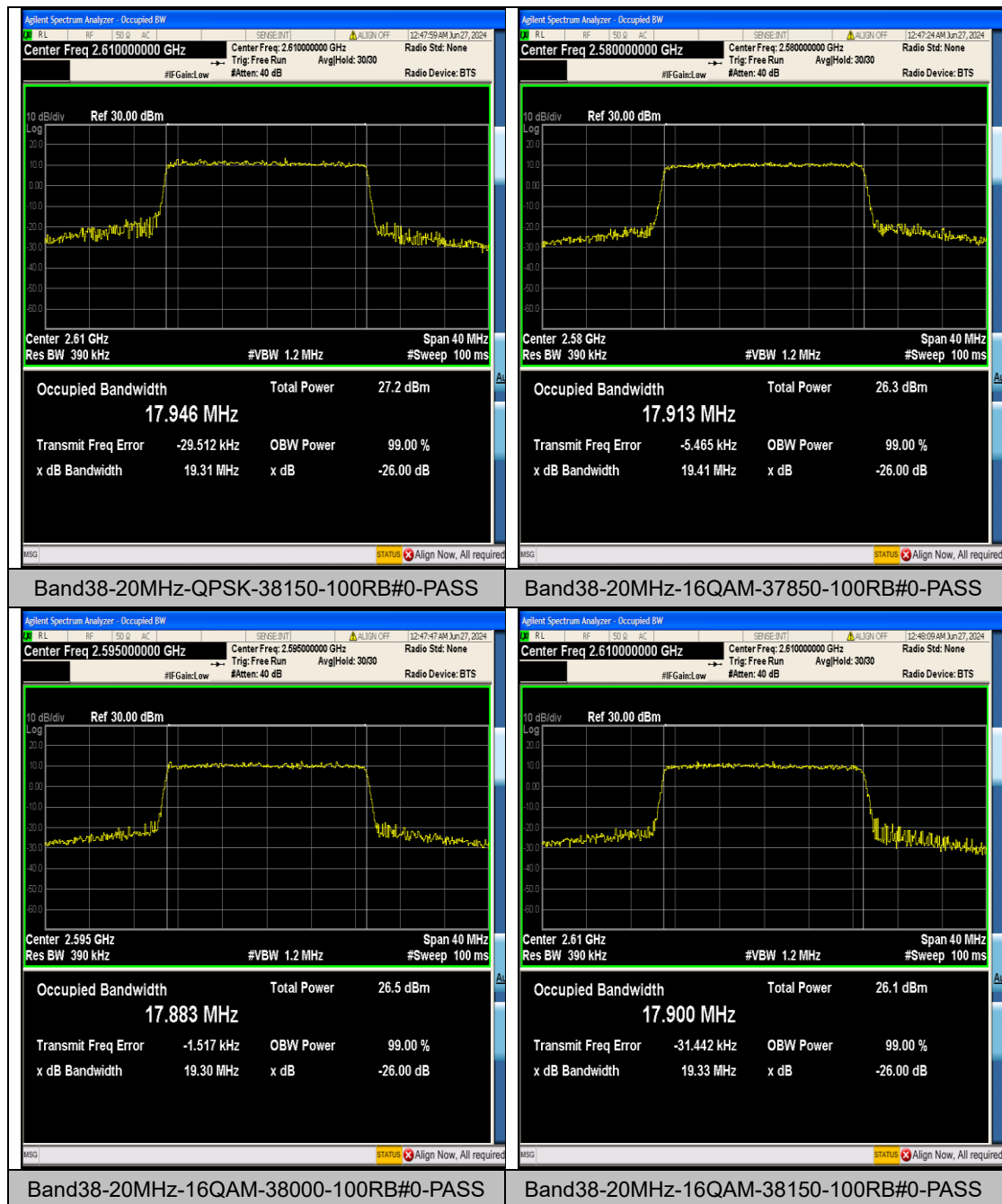










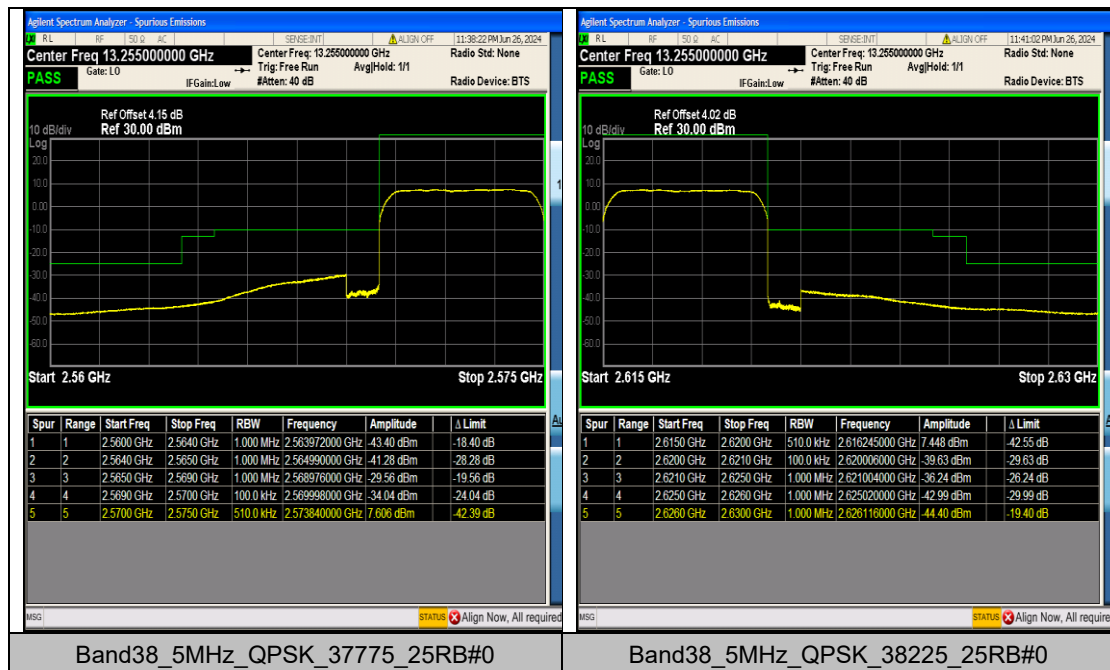


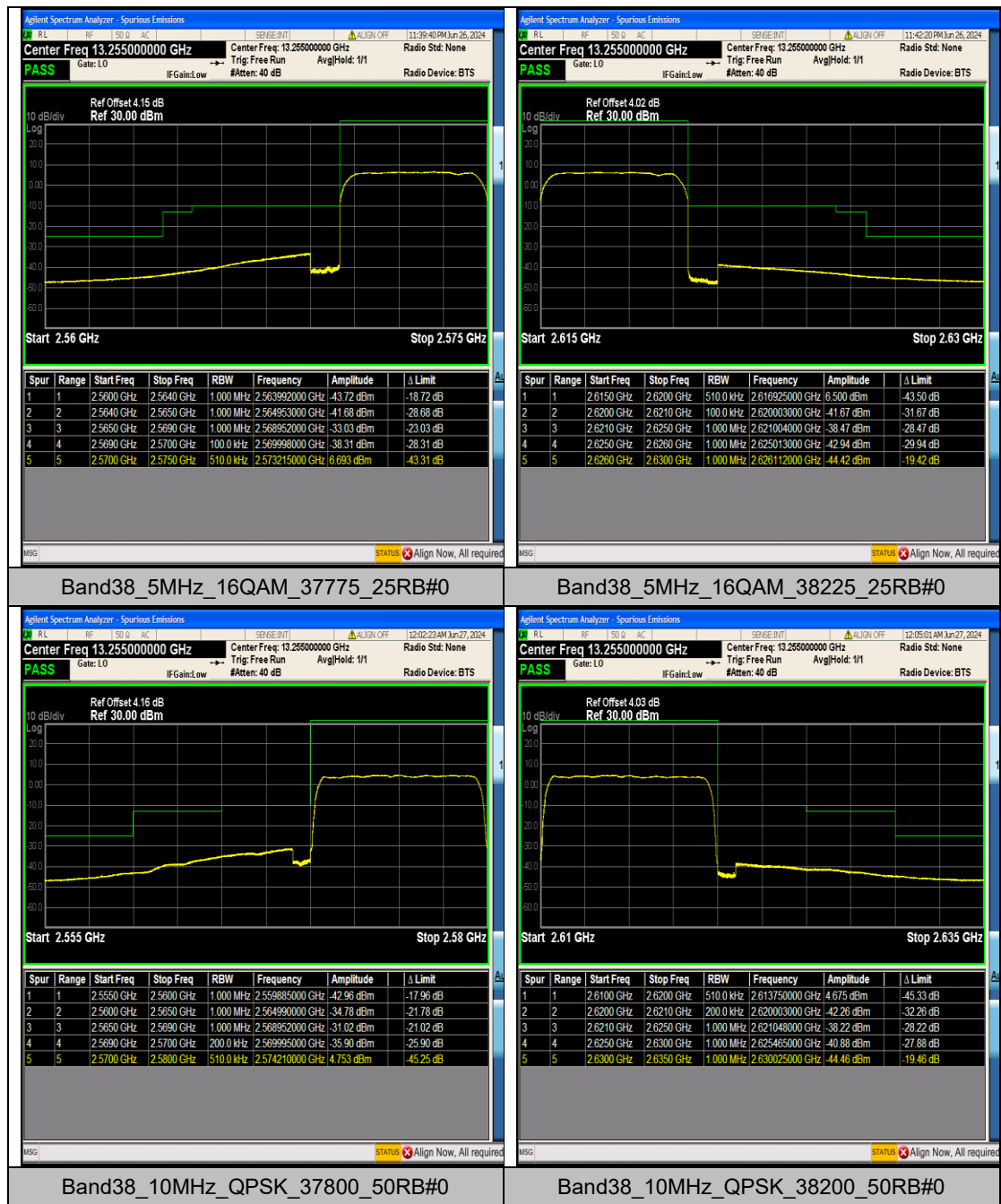
Appendix D: Band Edge

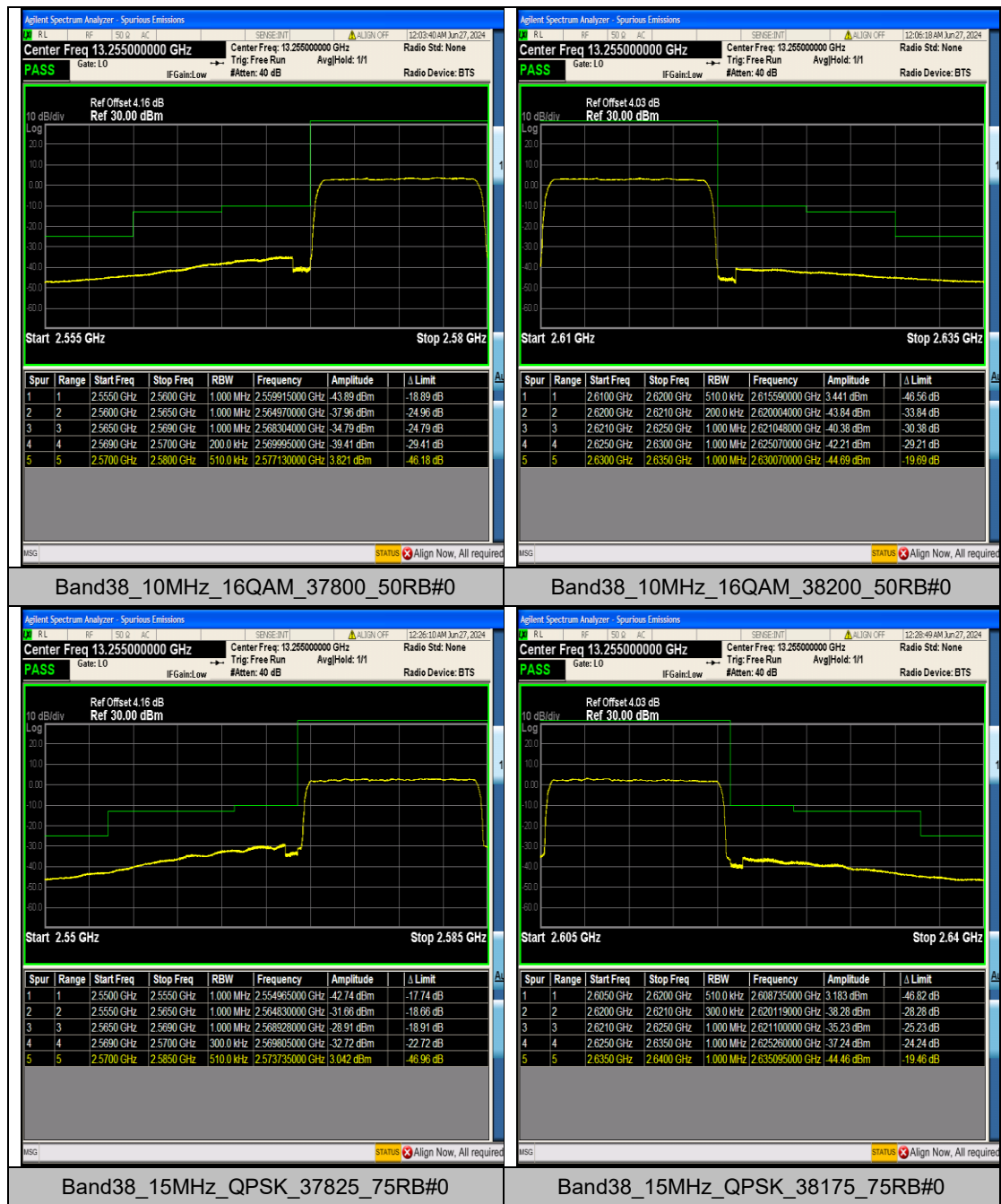
Test Result

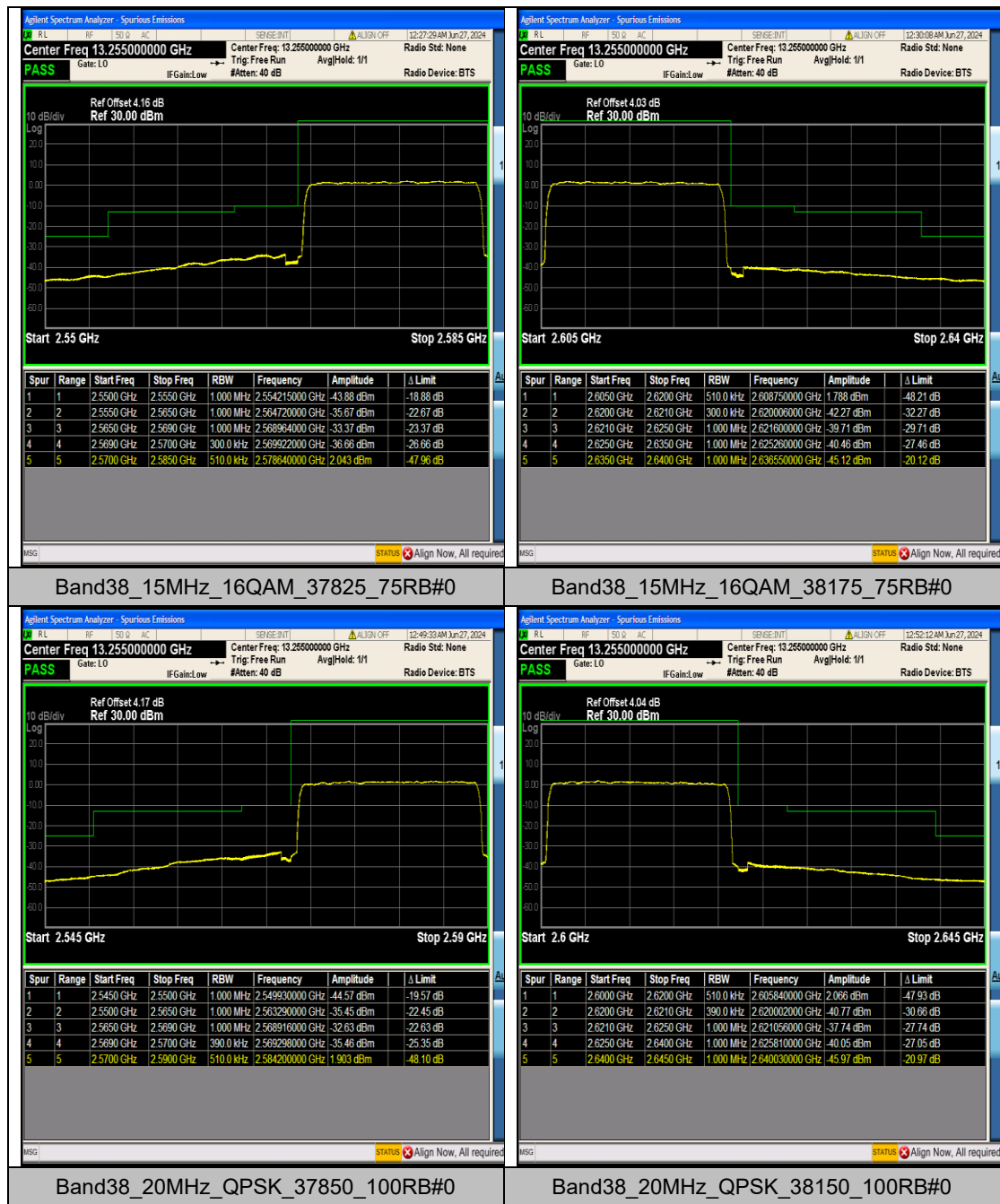
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	-43.40	PASS
Band38	5MHz	QPSK	38225	25RB#0	-44.40	PASS
Band38	5MHz	16QAM	37775	25RB#0	-43.72	PASS
Band38	5MHz	16QAM	38225	25RB#0	-44.42	PASS
Band38	10MHz	QPSK	37800	50RB#0	-42.96	PASS
Band38	10MHz	QPSK	38200	50RB#0	-44.46	PASS
Band38	10MHz	16QAM	37800	50RB#0	-43.89	PASS
Band38	10MHz	16QAM	38200	50RB#0	-44.69	PASS
Band38	15MHz	QPSK	37825	75RB#0	-42.74	PASS
Band38	15MHz	QPSK	38175	75RB#0	-44.46	PASS
Band38	15MHz	16QAM	37825	75RB#0	-43.88	PASS
Band38	15MHz	16QAM	38175	75RB#0	-45.12	PASS
Band38	20MHz	QPSK	37850	100RB#0	-44.57	PASS
Band38	20MHz	QPSK	38150	100RB#0	-45.97	PASS
Band38	20MHz	16QAM	37850	100RB#0	-45.34	PASS
Band38	20MHz	16QAM	38150	100RB#0	-46.27	PASS

Test Graphs









Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	0.009~0.15	-73.88	PASS
Band38	5MHz	QPSK	37775	25RB#0	0.15~30	-66.27	PASS
Band38	5MHz	QPSK	37775	25RB#0	30~1000	-66.22	PASS
Band38	5MHz	QPSK	37775	25RB#0	1000~20000	-43.54	PASS
Band38	5MHz	QPSK	37775	25RB#0	20000~27000	-39.65	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.009~0.15	-74.40	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.15~30	-66.33	PASS
Band38	5MHz	QPSK	38000	25RB#0	30~1000	-66.68	PASS
Band38	5MHz	QPSK	38000	25RB#0	1000~20000	-43.20	PASS
Band38	5MHz	QPSK	38000	25RB#0	20000~27000	-39.66	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.009~0.15	-72.81	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.15~30	-67.43	PASS
Band38	5MHz	QPSK	38225	25RB#0	30~1000	-66.77	PASS
Band38	5MHz	QPSK	38225	25RB#0	1000~20000	-43.85	PASS
Band38	5MHz	QPSK	38225	25RB#0	20000~27000	-39.75	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.009~0.15	-74.32	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.15~30	-68.33	PASS
Band38	5MHz	16QAM	37775	25RB#0	30~1000	-66.71	PASS
Band38	5MHz	16QAM	37775	25RB#0	1000~20000	-46.34	PASS
Band38	5MHz	16QAM	37775	25RB#0	20000~27000	-39.71	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.009~0.15	-72.88	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.15~30	-67.44	PASS
Band38	5MHz	16QAM	38000	25RB#0	30~1000	-66.67	PASS
Band38	5MHz	16QAM	38000	25RB#0	1000~20000	-46.07	PASS
Band38	5MHz	16QAM	38000	25RB#0	20000~27000	-39.63	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.009~0.15	-74.87	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.15~30	-66.14	PASS
Band38	5MHz	16QAM	38225	25RB#0	30~1000	-66.73	PASS
Band38	5MHz	16QAM	38225	25RB#0	1000~20000	-44.45	PASS
Band38	5MHz	16QAM	38225	25RB#0	20000~27000	-39.35	PASS
Band38	10MHz	QPSK	37800	50RB#0	0.009~0.15	-74.60	PASS
Band38	10MHz	QPSK	37800	50RB#0	0.15~30	-69.30	PASS
Band38	10MHz	QPSK	37800	50RB#0	30~1000	-66.66	PASS
Band38	10MHz	QPSK	37800	50RB#0	1000~20000	-46.08	PASS
Band38	10MHz	QPSK	37800	50RB#0	20000~27000	-39.63	PASS
Band38	10MHz	QPSK	38000	50RB#0	0.009~0.15	-73.08	PASS

Band38	10MHz	QPSK	38000	50RB#0	0.15~30	-67.52	PASS
Band38	10MHz	QPSK	38000	50RB#0	30~1000	-66.67	PASS
Band38	10MHz	QPSK	38000	50RB#0	1000~20000	-45.78	PASS
Band38	10MHz	QPSK	38000	50RB#0	20000~27000	-39.46	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.009~0.15	-72.55	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.15~30	-67.70	PASS
Band38	10MHz	QPSK	38200	50RB#0	30~1000	-66.80	PASS
Band38	10MHz	QPSK	38200	50RB#0	1000~20000	-46.24	PASS
Band38	10MHz	QPSK	38200	50RB#0	20000~27000	-39.92	PASS
Band38	10MHz	16QAM	37800	50RB#0	0.009~0.15	-75.02	PASS
Band38	10MHz	16QAM	37800	50RB#0	0.15~30	-65.56	PASS
Band38	10MHz	16QAM	37800	50RB#0	30~1000	-66.68	PASS
Band38	10MHz	16QAM	37800	50RB#0	1000~20000	-45.95	PASS
Band38	10MHz	16QAM	37800	50RB#0	20000~27000	-39.64	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.009~0.15	-75.38	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.15~30	-63.11	PASS
Band38	10MHz	16QAM	38000	50RB#0	30~1000	-66.18	PASS
Band38	10MHz	16QAM	38000	50RB#0	1000~20000	-46.28	PASS
Band38	10MHz	16QAM	38000	50RB#0	20000~27000	-39.42	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.009~0.15	-74.32	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.15~30	-65.43	PASS
Band38	10MHz	16QAM	38200	50RB#0	30~1000	-66.76	PASS
Band38	10MHz	16QAM	38200	50RB#0	1000~20000	-46.22	PASS
Band38	10MHz	16QAM	38200	50RB#0	20000~27000	-39.68	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.009~0.15	-74.64	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.15~30	-65.01	PASS
Band38	15MHz	QPSK	37825	75RB#0	30~1000	-66.38	PASS
Band38	15MHz	QPSK	37825	75RB#0	1000~20000	-45.05	PASS
Band38	15MHz	QPSK	37825	75RB#0	20000~27000	-39.79	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.009~0.15	-73.59	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.15~30	-66.69	PASS
Band38	15MHz	QPSK	38000	75RB#0	30~1000	-66.71	PASS
Band38	15MHz	QPSK	38000	75RB#0	1000~20000	-45.77	PASS
Band38	15MHz	QPSK	38000	75RB#0	20000~27000	-39.79	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.009~0.15	-73.62	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.15~30	-68.19	PASS
Band38	15MHz	QPSK	38175	75RB#0	30~1000	-66.70	PASS
Band38	15MHz	QPSK	38175	75RB#0	1000~20000	-46.21	PASS
Band38	15MHz	QPSK	38175	75RB#0	20000~27000	-39.71	PASS
Band38	15MHz	16QAM	37825	75RB#0	0.009~0.15	-73.54	PASS
Band38	15MHz	16QAM	37825	75RB#0	0.15~30	-66.95	PASS
Band38	15MHz	16QAM	37825	75RB#0	30~1000	-66.68	PASS
Band38	15MHz	16QAM	37825	75RB#0	1000~20000	-46.29	PASS

Band38	15MHz	16QAM	37825	75RB#0	20000~27000	-39.75	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.009~0.15	-74.65	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.15~30	-68.43	PASS
Band38	15MHz	16QAM	38000	75RB#0	30~1000	-66.70	PASS
Band38	15MHz	16QAM	38000	75RB#0	1000~20000	-46.28	PASS
Band38	15MHz	16QAM	38000	75RB#0	20000~27000	-39.82	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.009~0.15	-75.96	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.15~30	-66.69	PASS
Band38	15MHz	16QAM	38175	75RB#0	30~1000	-66.67	PASS
Band38	15MHz	16QAM	38175	75RB#0	1000~20000	-46.28	PASS
Band38	15MHz	16QAM	38175	75RB#0	20000~27000	-39.62	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.009~0.15	-72.72	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.15~30	-67.14	PASS
Band38	20MHz	QPSK	37850	100RB#0	30~1000	-66.81	PASS
Band38	20MHz	QPSK	37850	100RB#0	1000~20000	-45.55	PASS
Band38	20MHz	QPSK	37850	100RB#0	20000~27000	-39.80	PASS
Band38	20MHz	QPSK	38000	100RB#0	0.009~0.15	-70.61	PASS
Band38	20MHz	QPSK	38000	100RB#0	0.15~30	-65.78	PASS
Band38	20MHz	QPSK	38000	100RB#0	30~1000	-66.72	PASS
Band38	20MHz	QPSK	38000	100RB#0	1000~20000	-45.94	PASS
Band38	20MHz	QPSK	38000	100RB#0	20000~27000	-39.68	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.009~0.15	-75.30	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.15~30	-67.40	PASS
Band38	20MHz	QPSK	38150	100RB#0	30~1000	-66.64	PASS
Band38	20MHz	QPSK	38150	100RB#0	1000~20000	-46.05	PASS
Band38	20MHz	QPSK	38150	100RB#0	20000~27000	-39.60	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.009~0.15	-74.63	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.15~30	-66.41	PASS
Band38	20MHz	16QAM	37850	100RB#0	30~1000	-66.54	PASS
Band38	20MHz	16QAM	37850	100RB#0	1000~20000	-45.34	PASS
Band38	20MHz	16QAM	37850	100RB#0	20000~27000	-39.65	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.009~0.15	-73.63	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.15~30	-65.30	PASS
Band38	20MHz	16QAM	38000	100RB#0	30~1000	-66.62	PASS
Band38	20MHz	16QAM	38000	100RB#0	1000~20000	-45.78	PASS
Band38	20MHz	16QAM	38000	100RB#0	20000~27000	-39.44	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.009~0.15	-73.65	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.15~30	-65.39	PASS
Band38	20MHz	16QAM	38150	100RB#0	30~1000	-66.59	PASS
Band38	20MHz	16QAM	38150	100RB#0	1000~20000	-46.01	PASS
Band38	20MHz	16QAM	38150	100RB#0	20000~27000	-39.94	PASS

Test Graphs

