

FCC LTE Band Test Data

FCC ID : 2BG6D-SDM660

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

EUT : Wireless Carplay Box

Model Number : SDM660

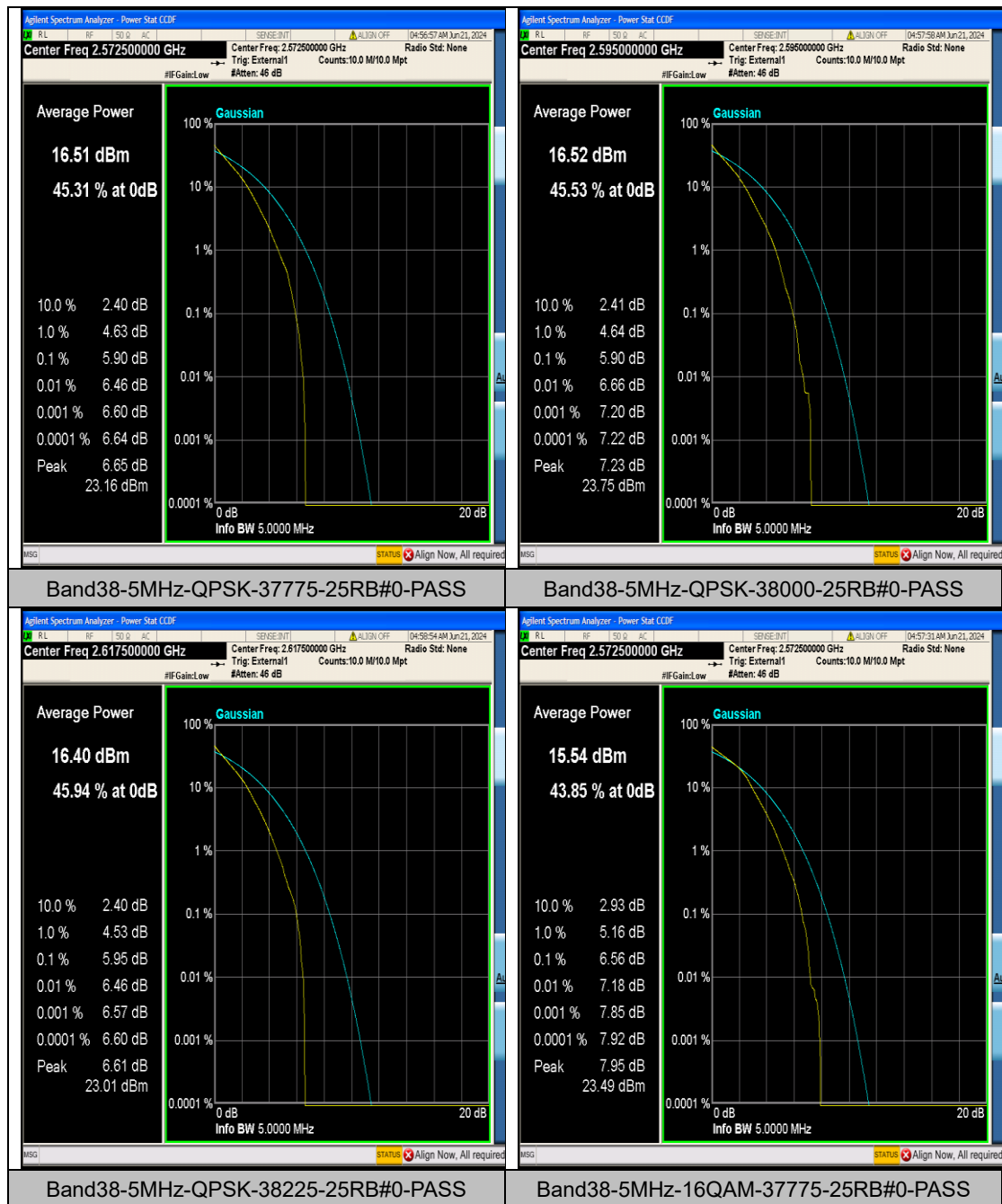
Reviewed By : Eric Wang

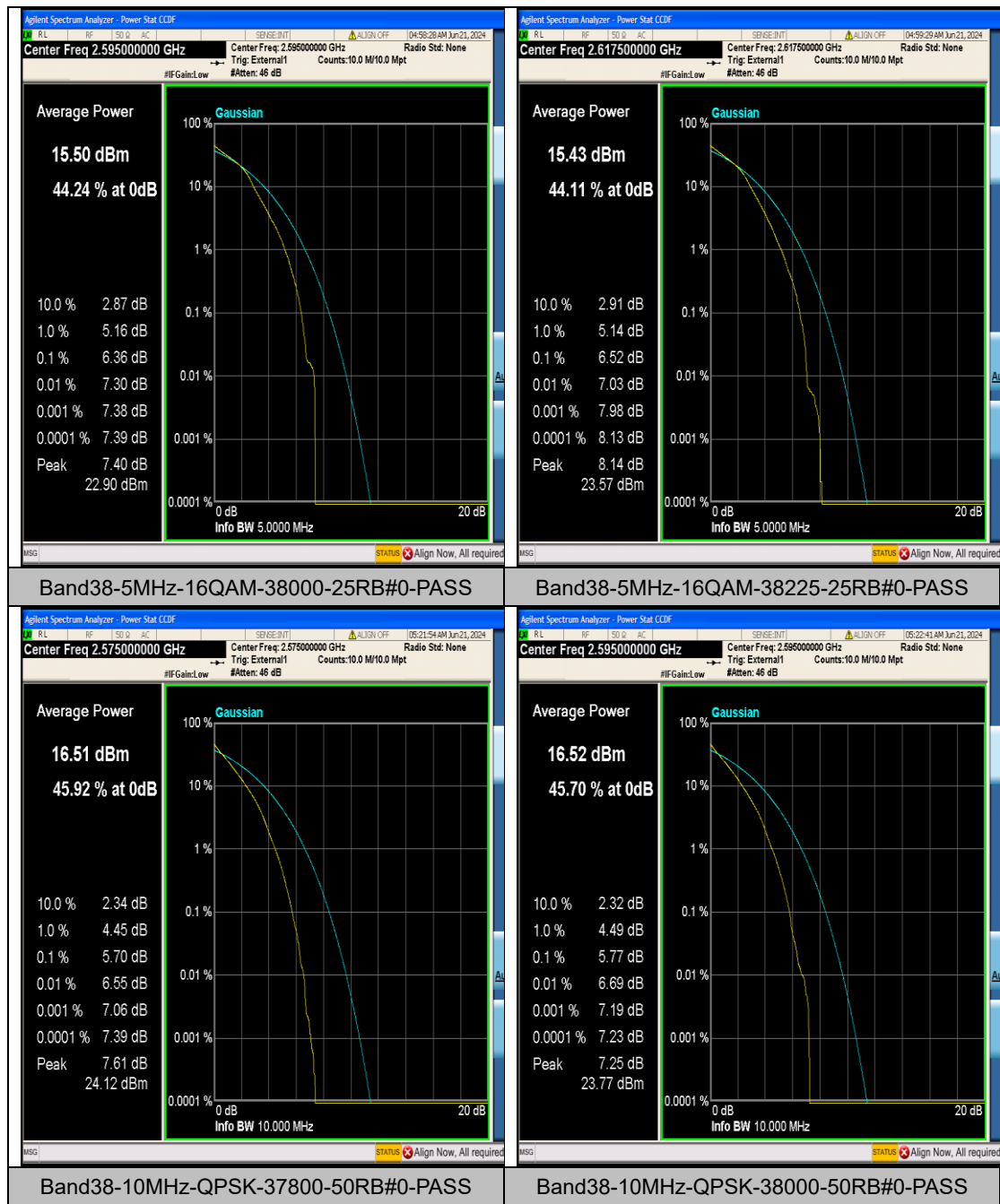
Appendix B: Peak-to-Average Ratio(CCDF)

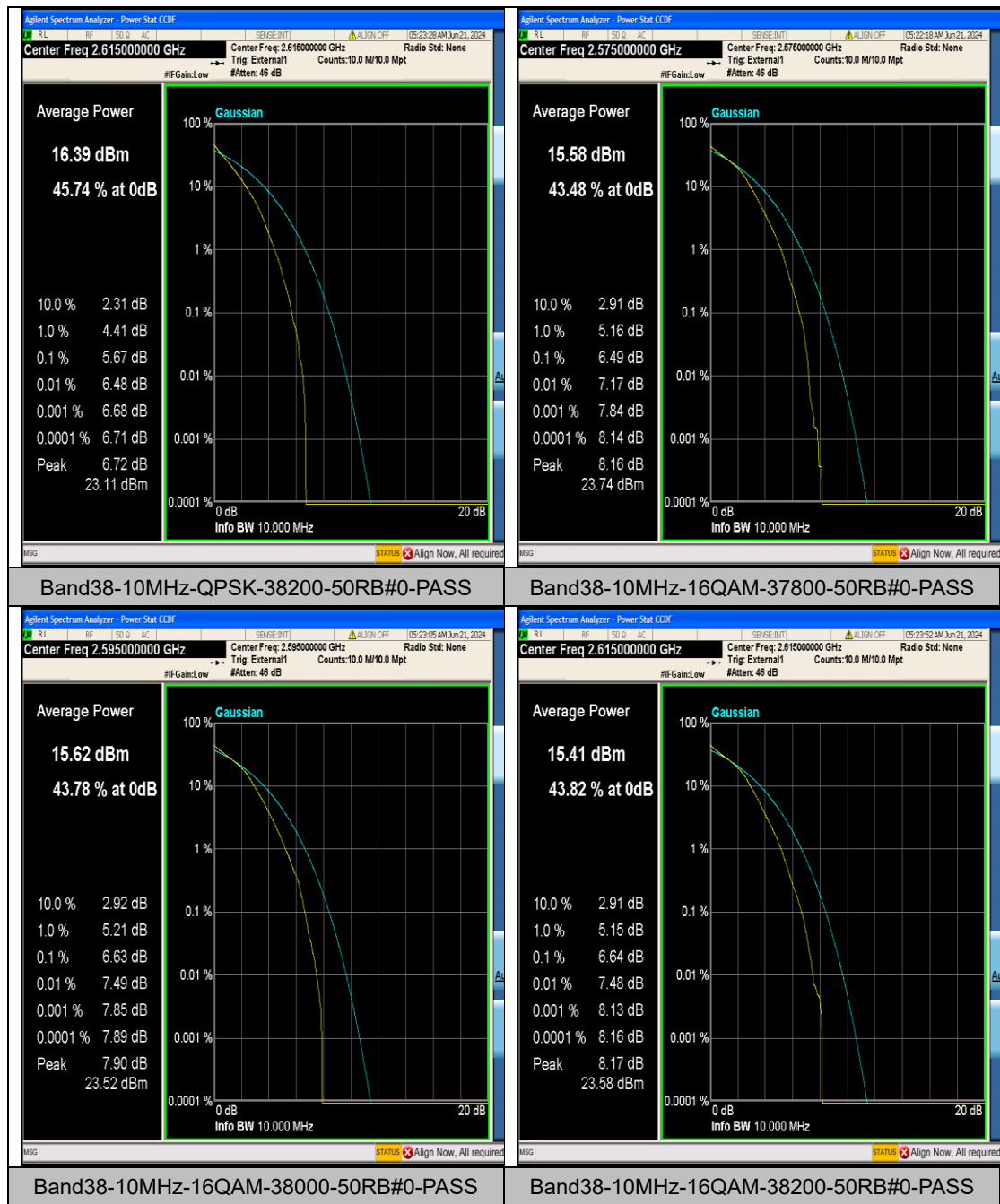
Test Result

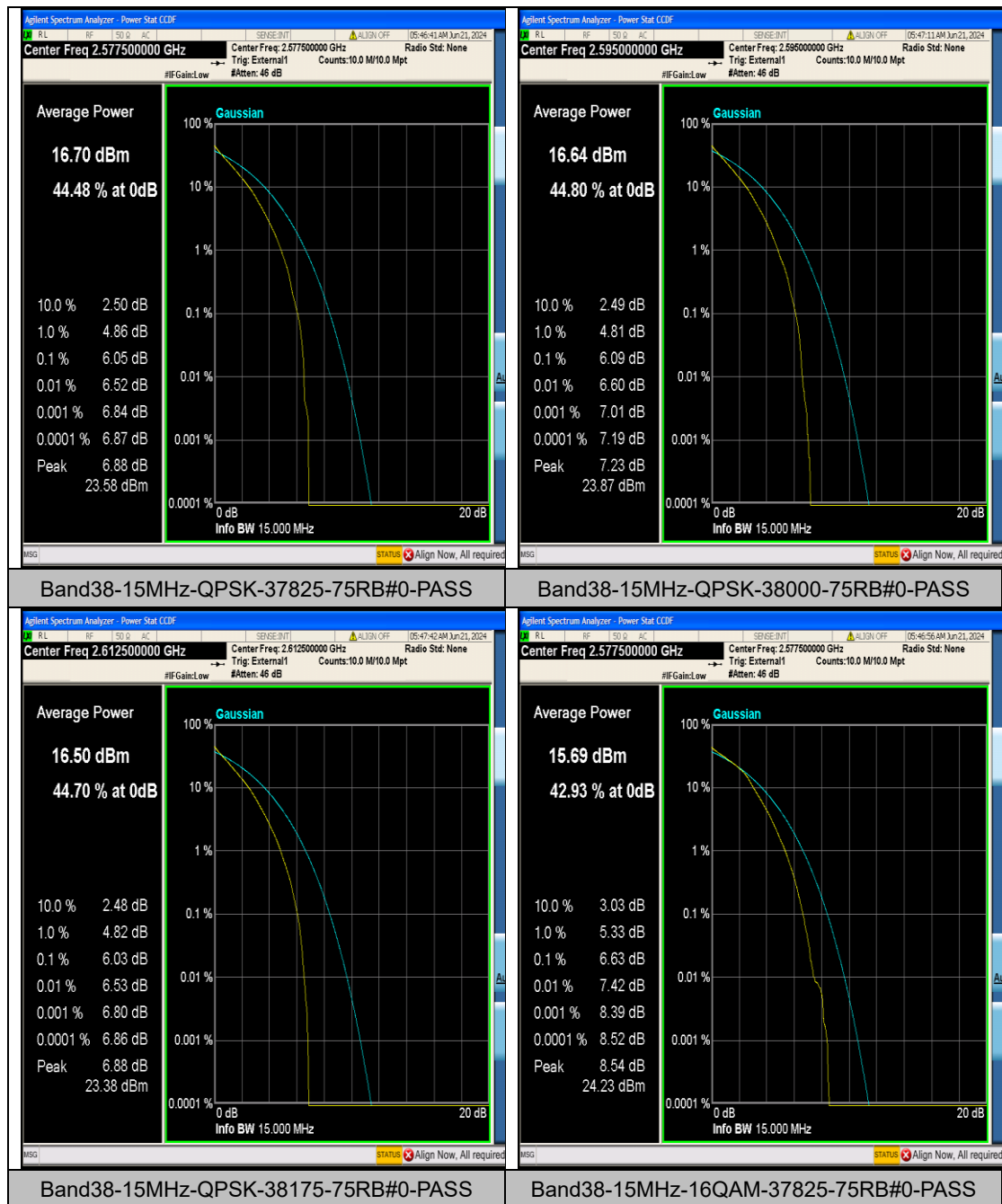
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	5.90	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	5.90	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	5.95	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	6.56	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	6.36	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	6.52	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	5.70	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	5.77	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	5.67	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	6.49	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	6.63	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	6.64	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	6.05	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	6.09	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	6.03	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	6.63	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	6.61	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	6.59	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	5.65	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	5.77	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	5.65	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	6.50	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	6.58	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	6.45	13	PASS

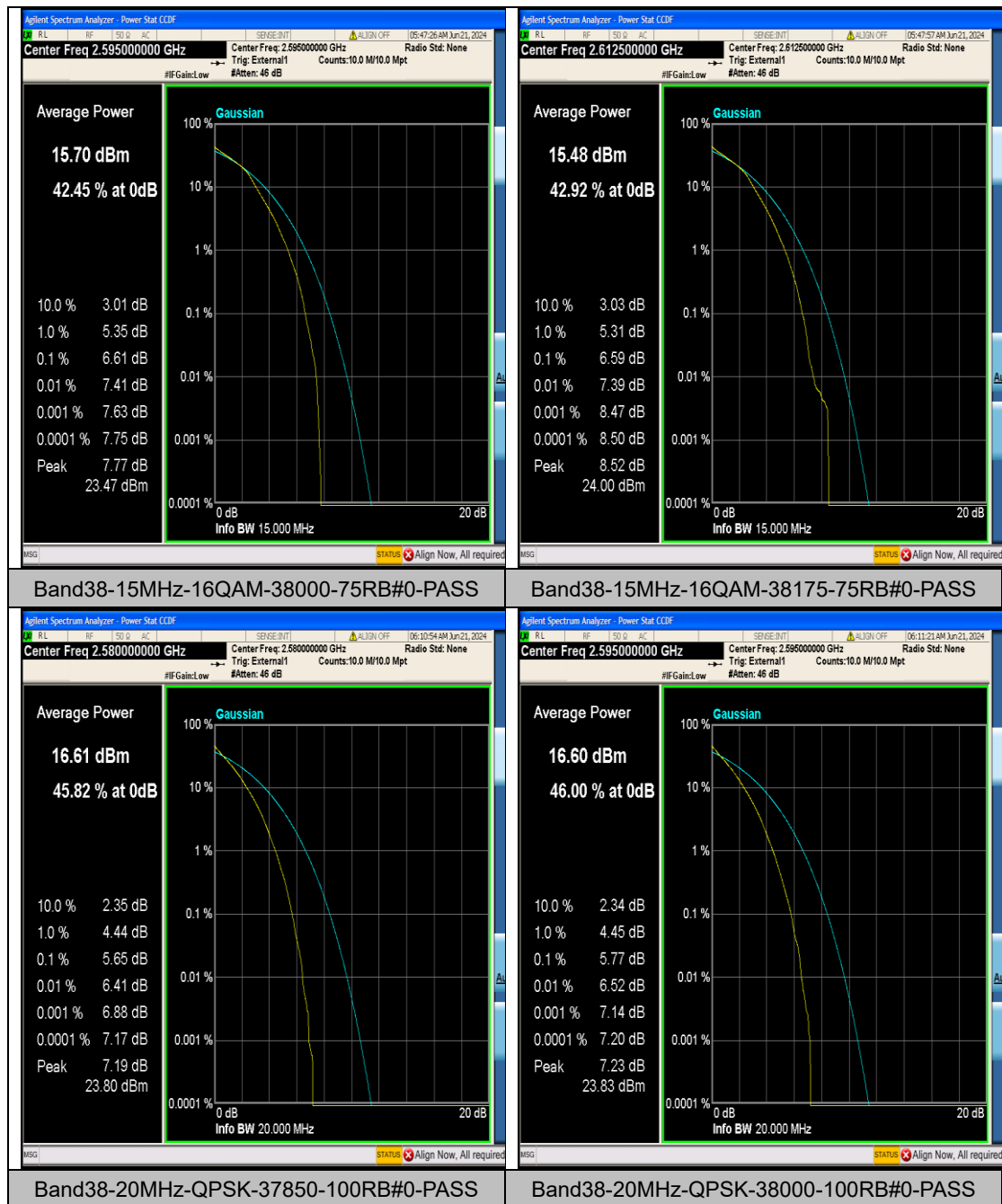
Test Graphs

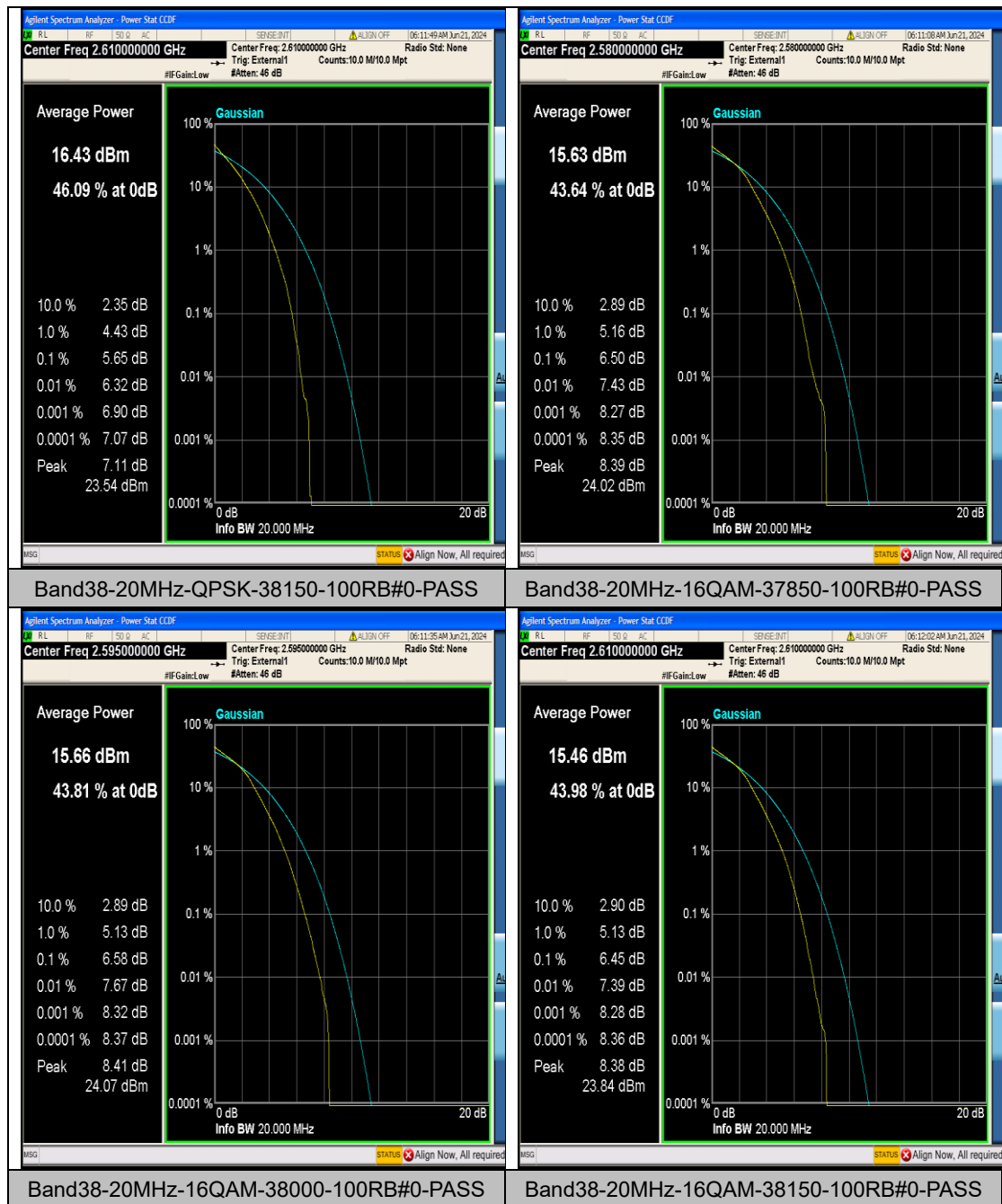










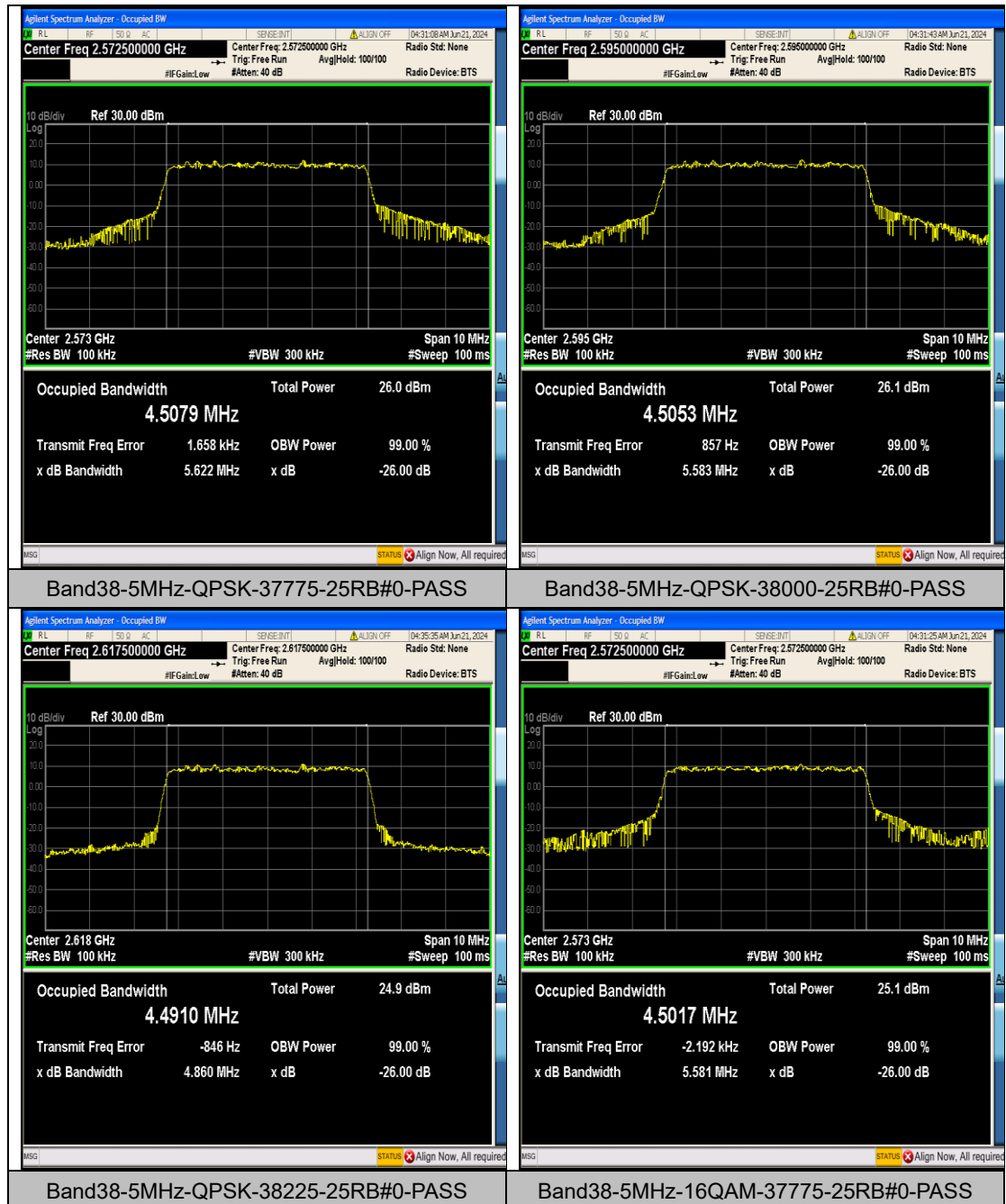


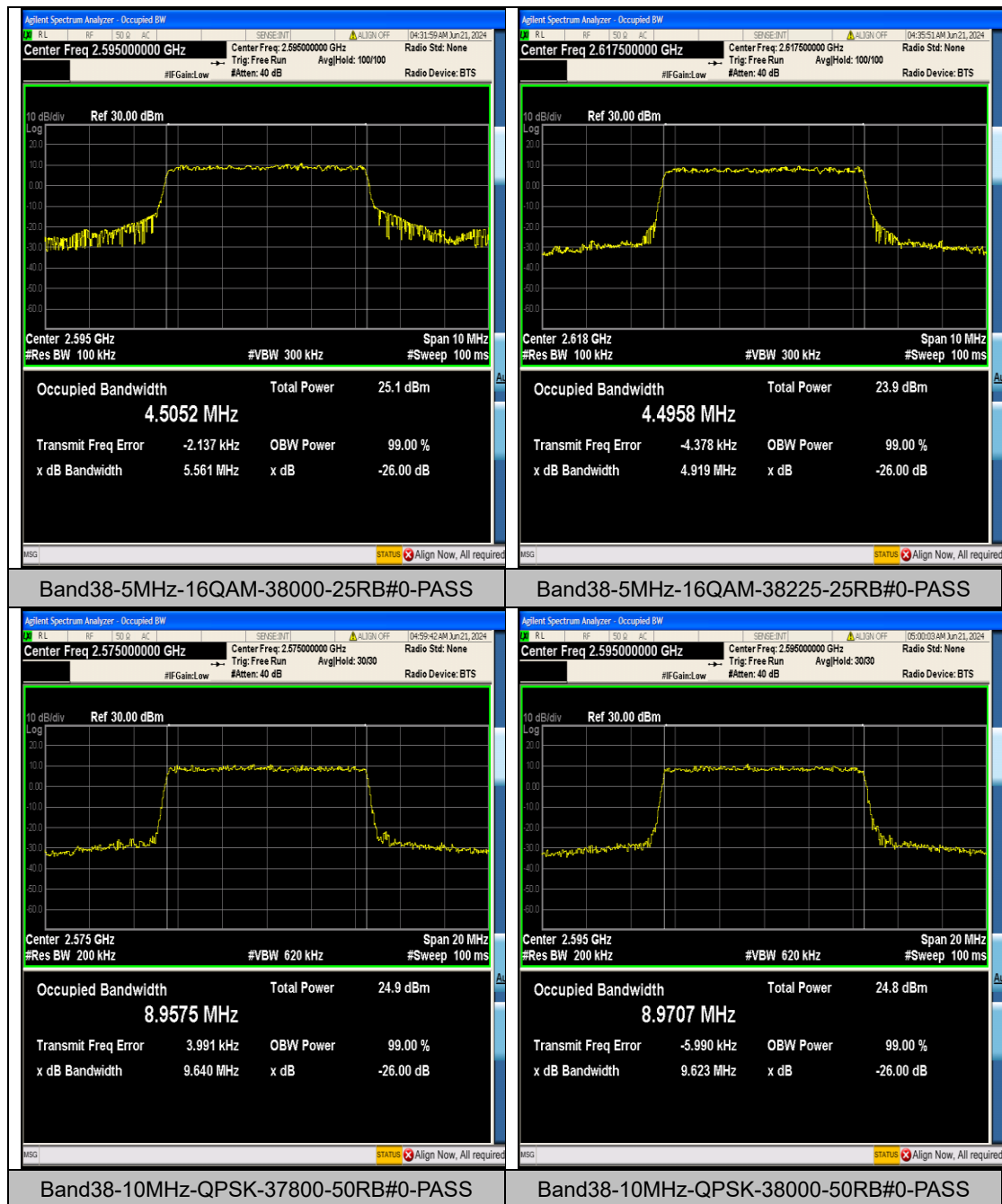
Appendix C: 26dB Bandwidth and Occupied Bandwidth

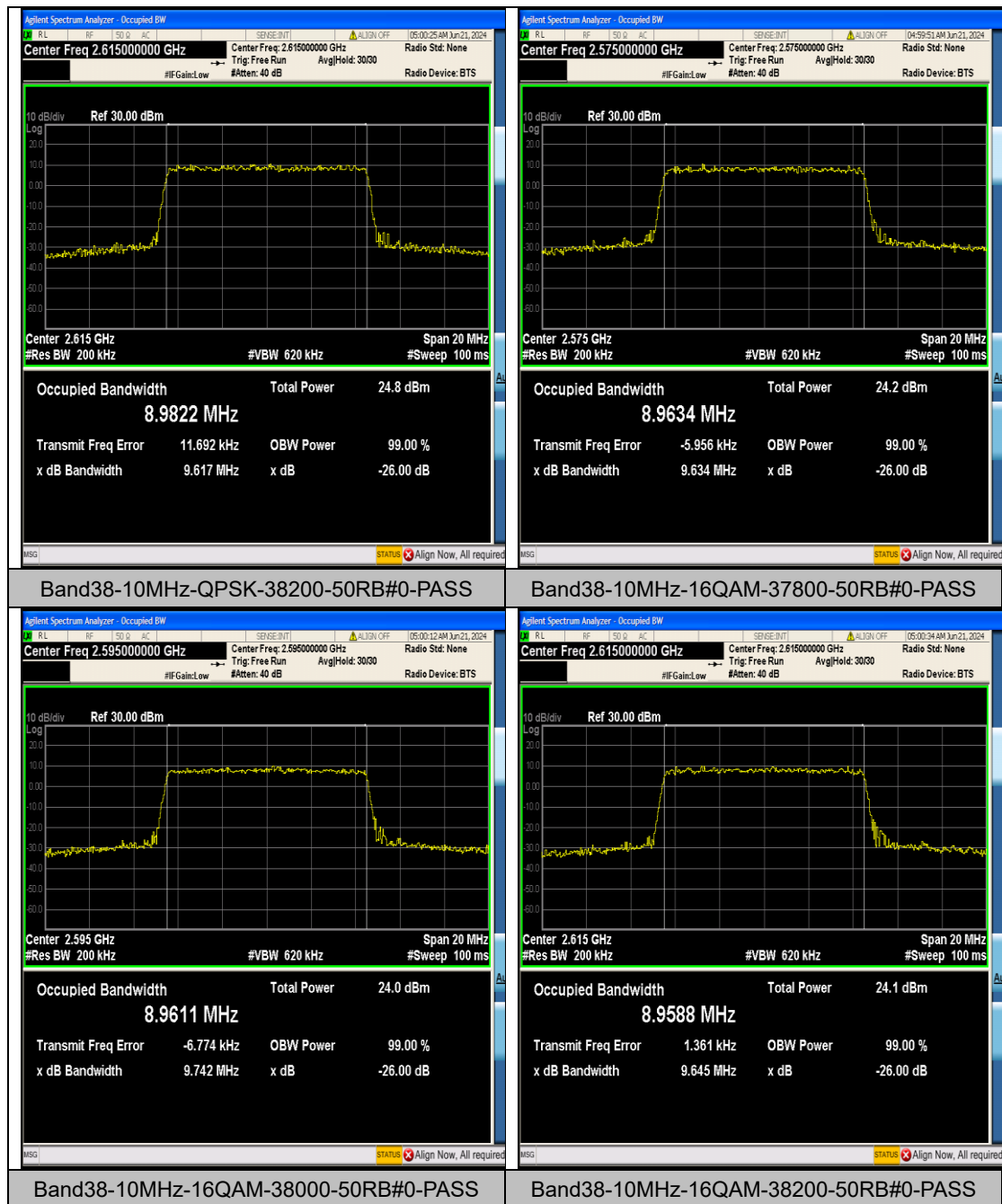
Test Result

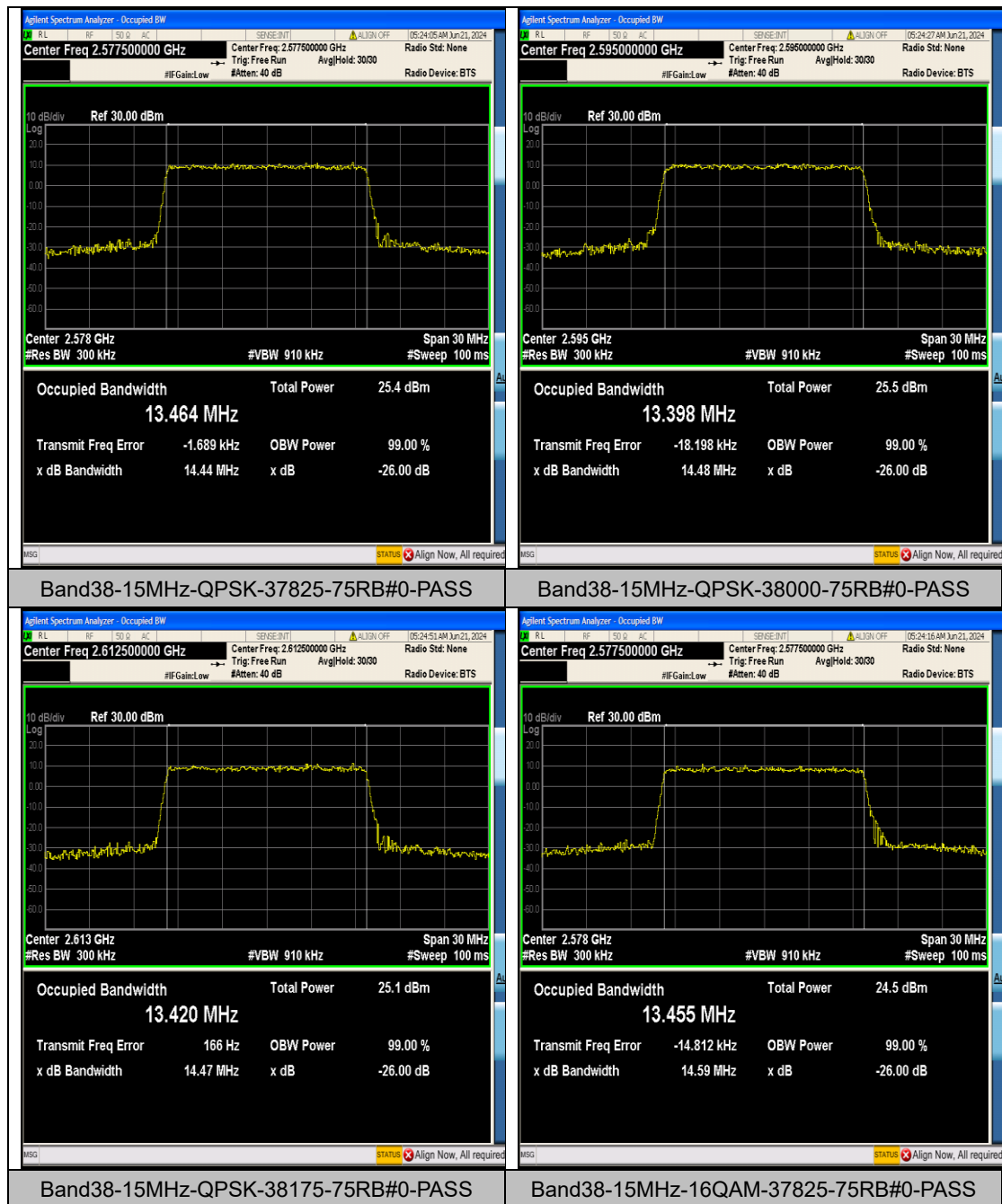
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.5079	5.622	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5053	5.583	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4910	4.860	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.5017	5.581	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.5052	5.561	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4958	4.919	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9575	9.640	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9707	9.623	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9822	9.617	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9634	9.634	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9611	9.742	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9588	9.645	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.464	14.44	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.398	14.48	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.420	14.47	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.455	14.59	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.488	14.54	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.449	14.69	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.971	19.47	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.936	19.50	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.934	19.49	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.900	19.54	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.898	19.42	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.915	19.51	PASS

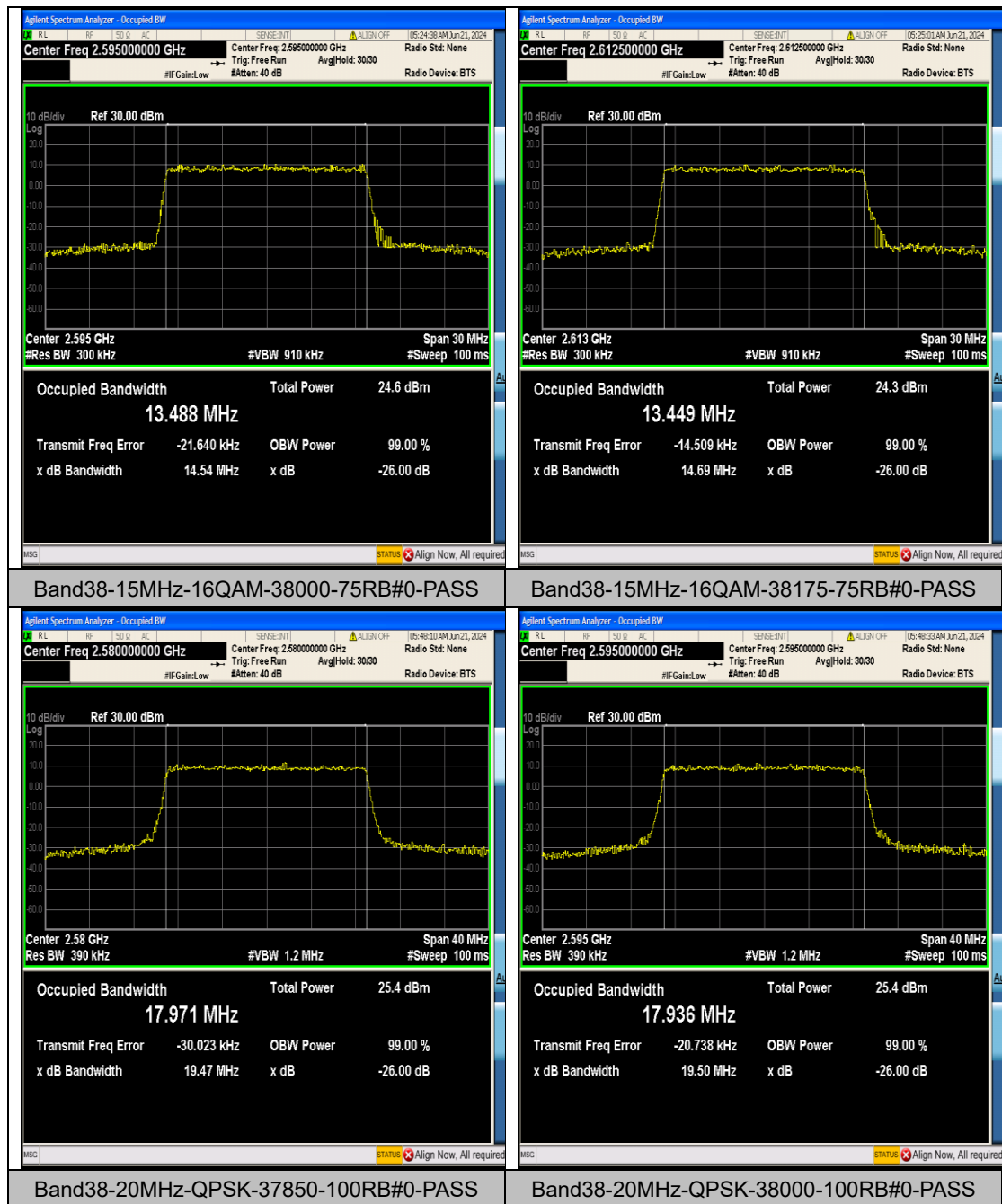
Test Graphs

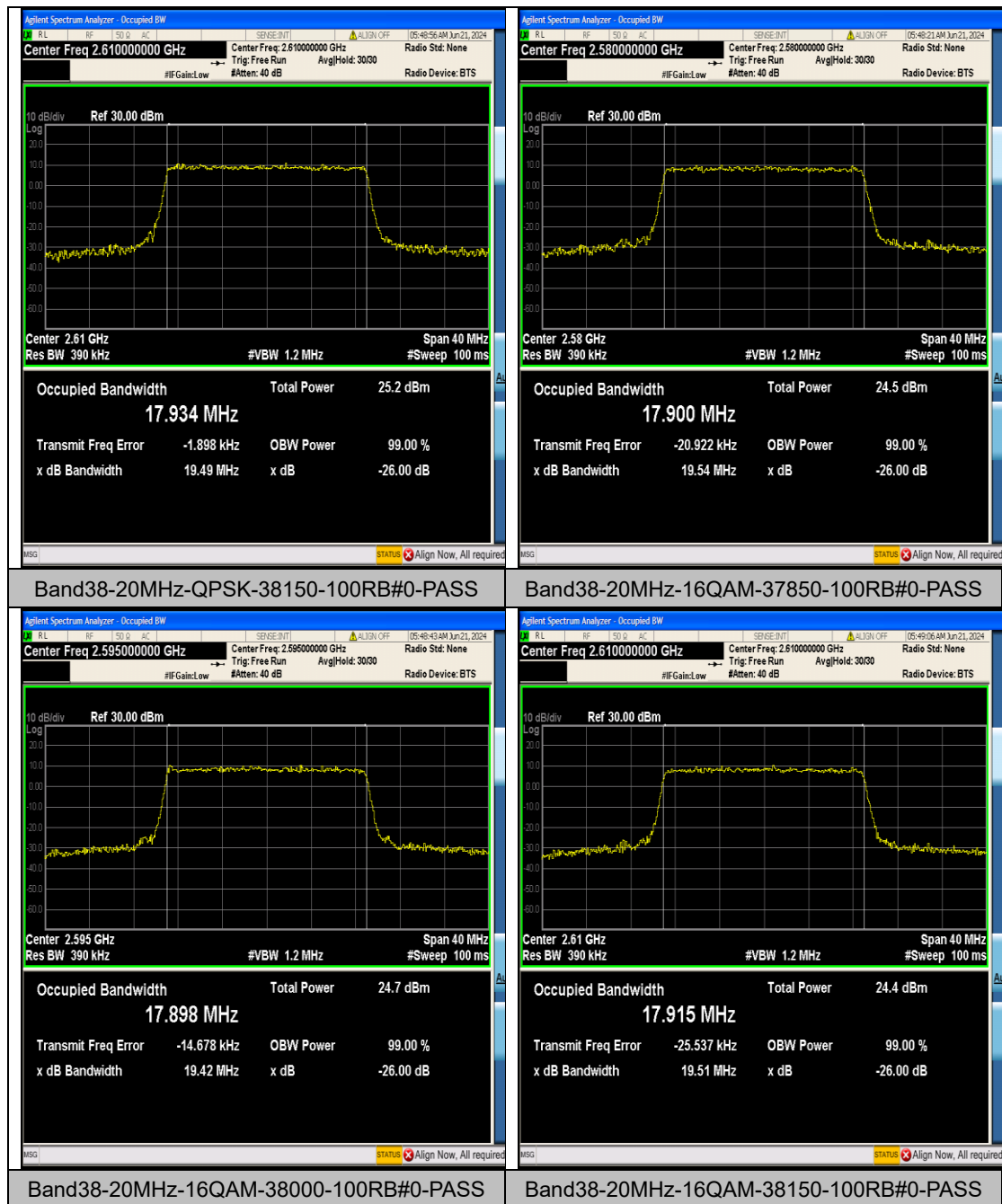










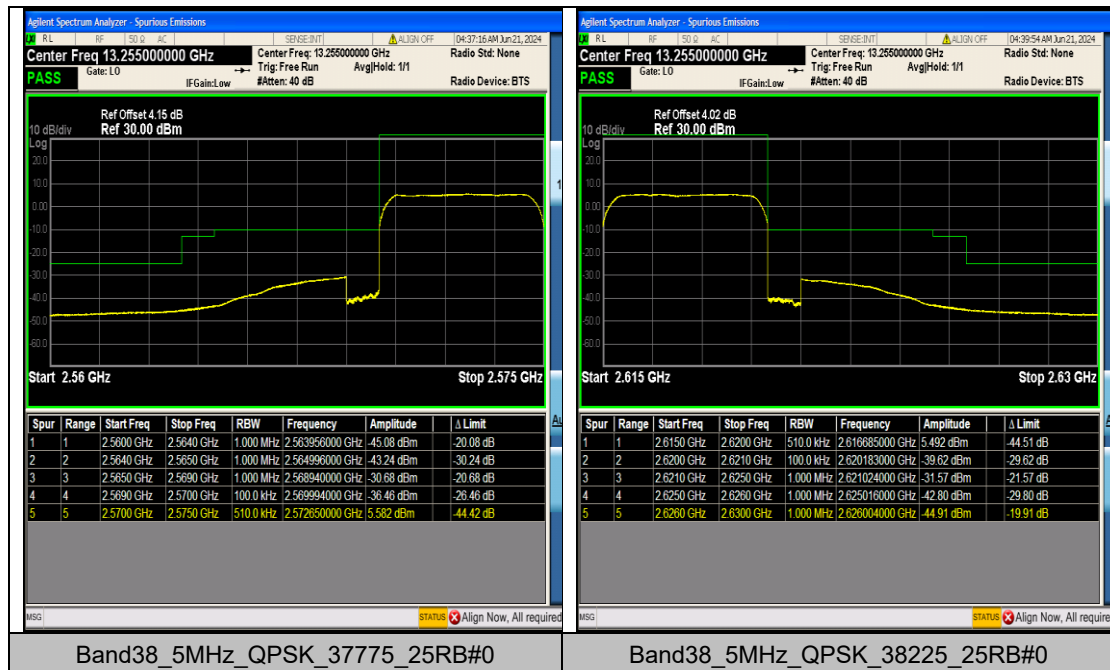


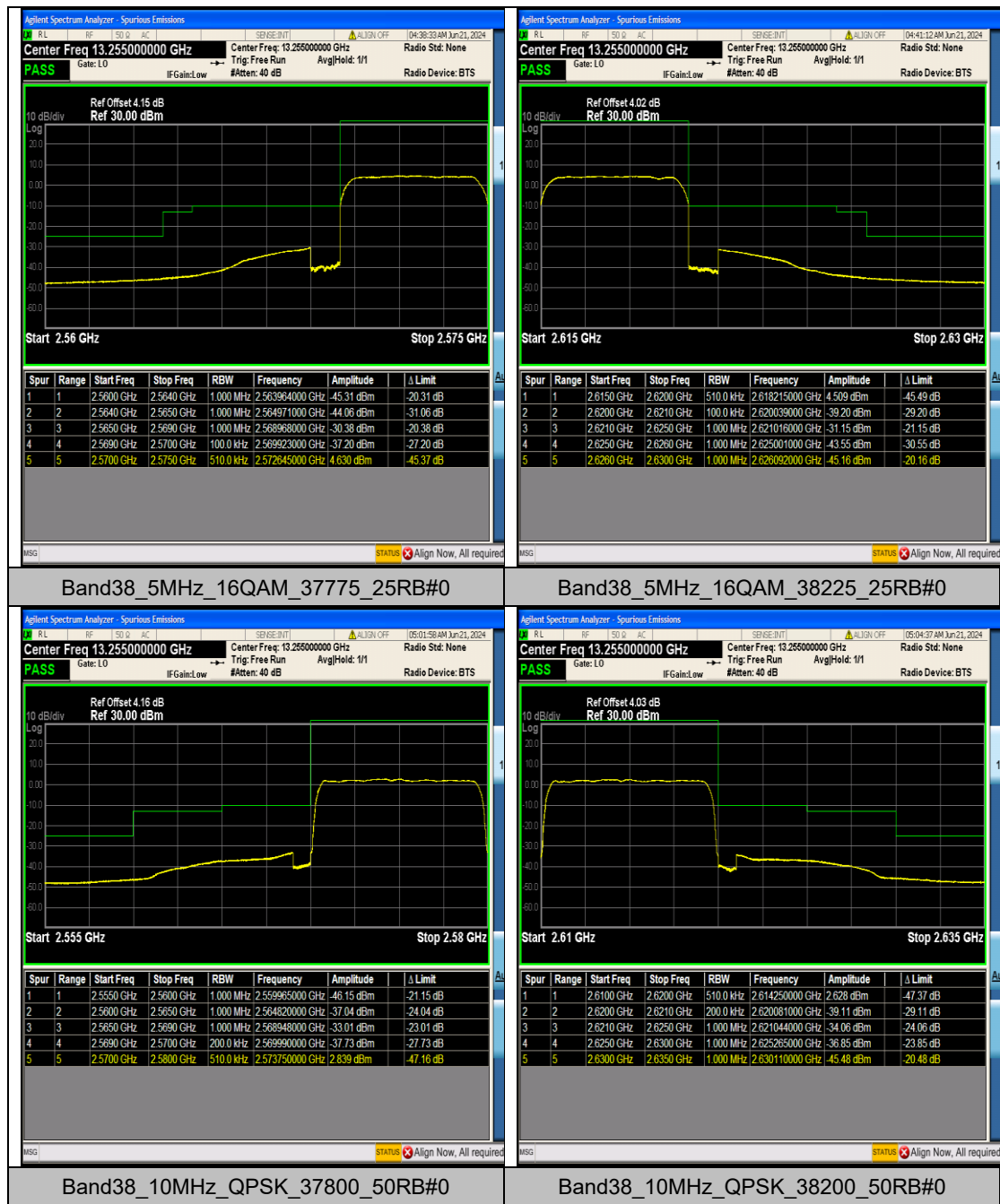
Appendix D: Band Edge

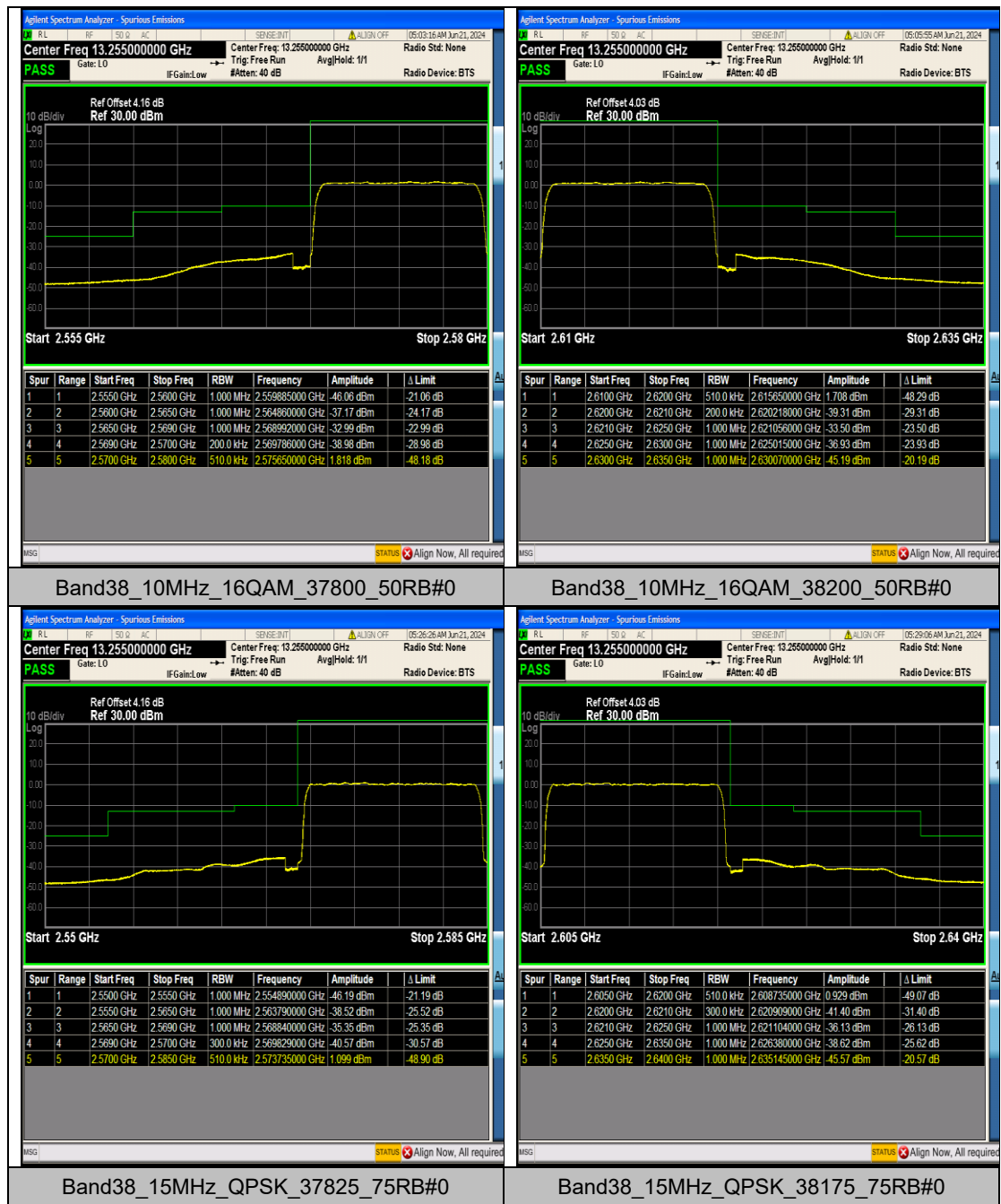
Test Result

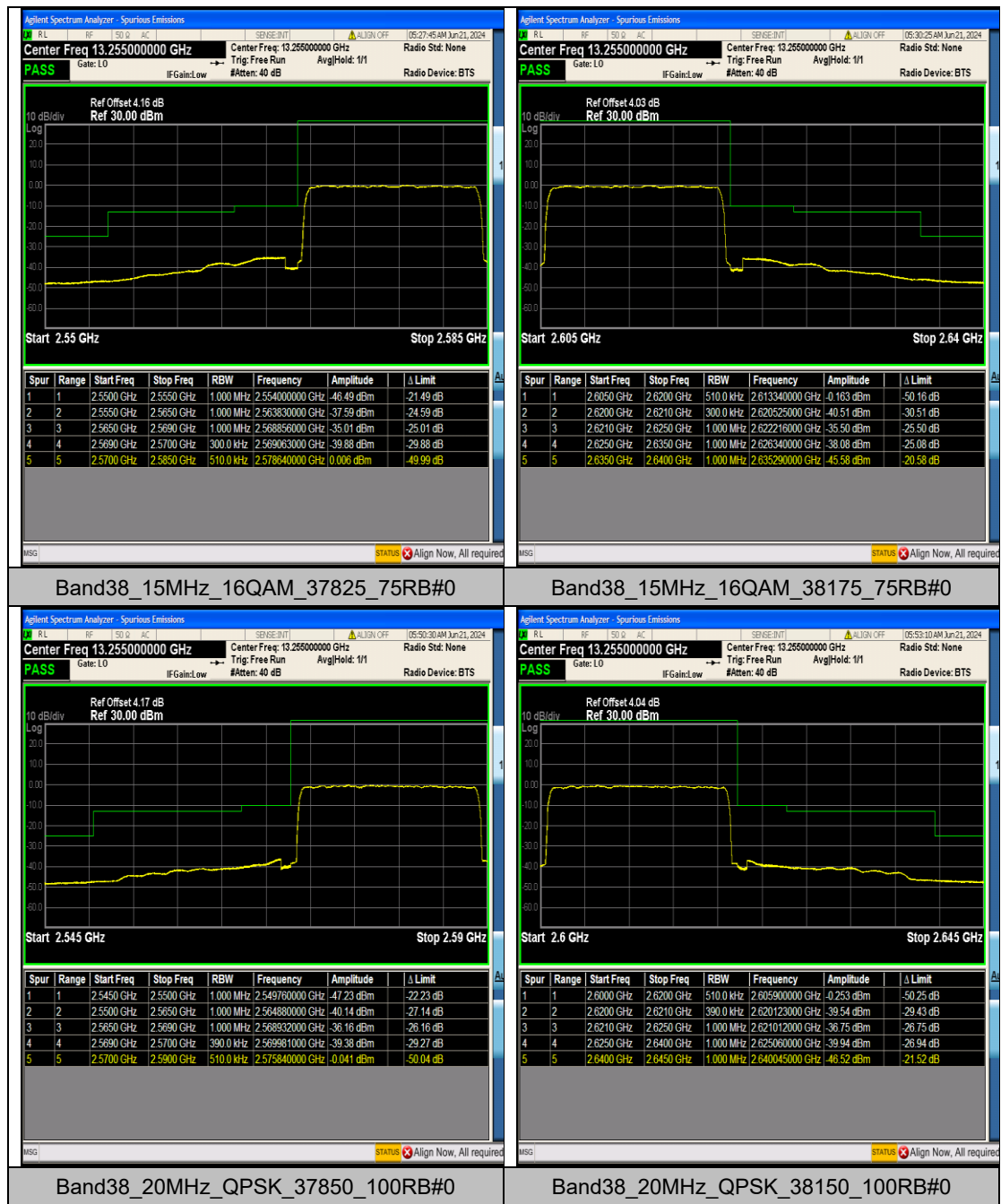
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	-45.08	PASS
Band38	5MHz	QPSK	38225	25RB#0	-44.91	PASS
Band38	5MHz	16QAM	37775	25RB#0	-45.31	PASS
Band38	5MHz	16QAM	38225	25RB#0	-45.16	PASS
Band38	10MHz	QPSK	37800	50RB#0	-46.15	PASS
Band38	10MHz	QPSK	38200	50RB#0	-45.48	PASS
Band38	10MHz	16QAM	37800	50RB#0	-46.06	PASS
Band38	10MHz	16QAM	38200	50RB#0	-45.19	PASS
Band38	15MHz	QPSK	37825	75RB#0	-46.19	PASS
Band38	15MHz	QPSK	38175	75RB#0	-45.57	PASS
Band38	15MHz	16QAM	37825	75RB#0	-46.49	PASS
Band38	15MHz	16QAM	38175	75RB#0	-45.58	PASS
Band38	20MHz	QPSK	37850	100RB#0	-47.23	PASS
Band38	20MHz	QPSK	38150	100RB#0	-46.52	PASS
Band38	20MHz	16QAM	37850	100RB#0	-46.94	PASS
Band38	20MHz	16QAM	38150	100RB#0	-46.23	PASS

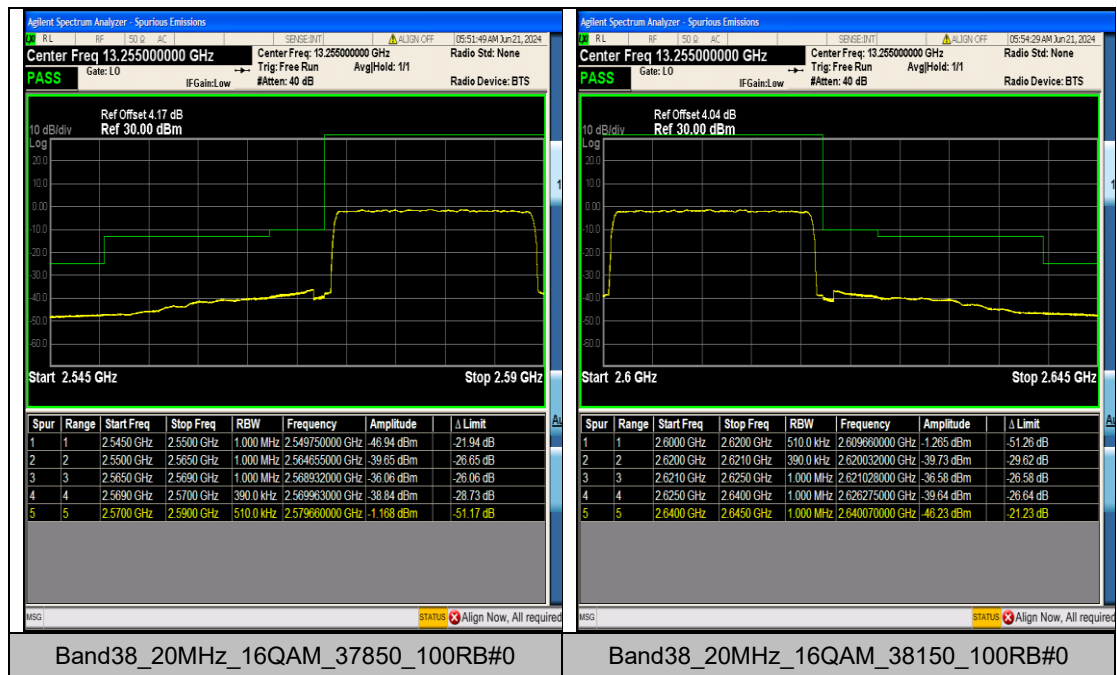
Test Graphs











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	-75.74	PASS
Band38	5MHz	QPSK	37775	25RB#0	0.15~30	-68.42	PASS
Band38	5MHz	QPSK	37775	25RB#0	30~1000	-66.87	PASS
Band38	5MHz	QPSK	37775	25RB#0	1000~20000	-46.24	PASS
Band38	5MHz	QPSK	37775	25RB#0	20000~27000	-39.39	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.009~0.15	-72.91	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.15~30	-69.66	PASS
Band38	5MHz	QPSK	38000	25RB#0	30~1000	-66.63	PASS
Band38	5MHz	QPSK	38000	25RB#0	1000~20000	-45.50	PASS
Band38	5MHz	QPSK	38000	25RB#0	20000~27000	-39.67	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.009~0.15	-73.52	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.15~30	-67.84	PASS
Band38	5MHz	QPSK	38225	25RB#0	30~1000	-66.59	PASS
Band38	5MHz	QPSK	38225	25RB#0	1000~20000	-46.10	PASS
Band38	5MHz	QPSK	38225	25RB#0	20000~27000	-39.89	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.009~0.15	-72.83	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.15~30	-66.65	PASS
Band38	5MHz	16QAM	37775	25RB#0	30~1000	-66.78	PASS
Band38	5MHz	16QAM	37775	25RB#0	1000~20000	-46.33	PASS
Band38	5MHz	16QAM	37775	25RB#0	20000~27000	-39.42	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.009~0.15	-73.66	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.15~30	-67.22	PASS
Band38	5MHz	16QAM	38000	25RB#0	30~1000	-66.70	PASS
Band38	5MHz	16QAM	38000	25RB#0	1000~20000	-46.10	PASS
Band38	5MHz	16QAM	38000	25RB#0	20000~27000	-39.58	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.009~0.15	-74.07	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.15~30	-66.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	30~1000	-66.54	PASS
Band38	5MHz	16QAM	38225	25RB#0	1000~20000	-46.04	PASS
Band38	5MHz	16QAM	38225	25RB#0	20000~27000	-39.65	PASS
Band38	10MHz	QPSK	37800	50RB#0	0.009~0.15	-73.57	PASS
Band38	10MHz	QPSK	37800	50RB#0	0.15~30	-66.79	PASS
Band38	10MHz	QPSK	37800	50RB#0	30~1000	-66.75	PASS
Band38	10MHz	QPSK	37800	50RB#0	1000~20000	-45.92	PASS
Band38	10MHz	QPSK	37800	50RB#0	20000~27000	-39.59	PASS
Band38	10MHz	QPSK	38000	50RB#0	0.009~0.15	-73.65	PASS

Band38	10MHz	QPSK	38000	50RB#0	0.15~30	-67.31	PASS
Band38	10MHz	QPSK	38000	50RB#0	30~1000	-66.83	PASS
Band38	10MHz	QPSK	38000	50RB#0	1000~20000	-46.28	PASS
Band38	10MHz	QPSK	38000	50RB#0	20000~27000	-39.72	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.009~0.15	-71.94	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.15~30	-65.70	PASS
Band38	10MHz	QPSK	38200	50RB#0	30~1000	-66.81	PASS
Band38	10MHz	QPSK	38200	50RB#0	1000~20000	-46.16	PASS
Band38	10MHz	QPSK	38200	50RB#0	20000~27000	-39.25	PASS
Band38	10MHz	16QAM	37800	50RB#0	0.009~0.15	-75.42	PASS
Band38	10MHz	16QAM	37800	50RB#0	0.15~30	-66.50	PASS
Band38	10MHz	16QAM	37800	50RB#0	30~1000	-66.87	PASS
Band38	10MHz	16QAM	37800	50RB#0	1000~20000	-45.95	PASS
Band38	10MHz	16QAM	37800	50RB#0	20000~27000	-39.80	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.009~0.15	-74.21	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.15~30	-68.54	PASS
Band38	10MHz	16QAM	38000	50RB#0	30~1000	-66.85	PASS
Band38	10MHz	16QAM	38000	50RB#0	1000~20000	-45.99	PASS
Band38	10MHz	16QAM	38000	50RB#0	20000~27000	-39.71	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.009~0.15	-74.80	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.15~30	-64.80	PASS
Band38	10MHz	16QAM	38200	50RB#0	30~1000	-66.60	PASS
Band38	10MHz	16QAM	38200	50RB#0	1000~20000	-45.94	PASS
Band38	10MHz	16QAM	38200	50RB#0	20000~27000	-39.82	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.009~0.15	-74.03	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.15~30	-68.07	PASS
Band38	15MHz	QPSK	37825	75RB#0	30~1000	-66.88	PASS
Band38	15MHz	QPSK	37825	75RB#0	1000~20000	-46.22	PASS
Band38	15MHz	QPSK	37825	75RB#0	20000~27000	-39.78	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.009~0.15	-75.68	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.15~30	-68.06	PASS
Band38	15MHz	QPSK	38000	75RB#0	30~1000	-66.88	PASS
Band38	15MHz	QPSK	38000	75RB#0	1000~20000	-45.61	PASS
Band38	15MHz	QPSK	38000	75RB#0	20000~27000	-39.80	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.009~0.15	-75.29	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.15~30	-67.61	PASS
Band38	15MHz	QPSK	38175	75RB#0	30~1000	-66.59	PASS
Band38	15MHz	QPSK	38175	75RB#0	1000~20000	-46.40	PASS
Band38	15MHz	QPSK	38175	75RB#0	20000~27000	-39.63	PASS
Band38	15MHz	16QAM	37825	75RB#0	0.009~0.15	-74.05	PASS
Band38	15MHz	16QAM	37825	75RB#0	0.15~30	-65.15	PASS
Band38	15MHz	16QAM	37825	75RB#0	30~1000	-66.85	PASS
Band38	15MHz	16QAM	37825	75RB#0	1000~20000	-45.88	PASS

Band38	15MHz	16QAM	37825	75RB#0	20000~27000	-39.74	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.009~0.15	-74.62	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.15~30	-65.70	PASS
Band38	15MHz	16QAM	38000	75RB#0	30~1000	-66.73	PASS
Band38	15MHz	16QAM	38000	75RB#0	1000~20000	-46.30	PASS
Band38	15MHz	16QAM	38000	75RB#0	20000~27000	-39.71	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.009~0.15	-75.37	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.15~30	-68.47	PASS
Band38	15MHz	16QAM	38175	75RB#0	30~1000	-66.28	PASS
Band38	15MHz	16QAM	38175	75RB#0	1000~20000	-46.01	PASS
Band38	15MHz	16QAM	38175	75RB#0	20000~27000	-39.62	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.009~0.15	-73.21	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.15~30	-66.17	PASS
Band38	20MHz	QPSK	37850	100RB#0	30~1000	-66.66	PASS
Band38	20MHz	QPSK	37850	100RB#0	1000~20000	-46.18	PASS
Band38	20MHz	QPSK	37850	100RB#0	20000~27000	-39.57	PASS
Band38	20MHz	QPSK	38000	100RB#0	0.009~0.15	-73.87	PASS
Band38	20MHz	QPSK	38000	100RB#0	0.15~30	-67.30	PASS
Band38	20MHz	QPSK	38000	100RB#0	30~1000	-66.60	PASS
Band38	20MHz	QPSK	38000	100RB#0	1000~20000	-45.63	PASS
Band38	20MHz	QPSK	38000	100RB#0	20000~27000	-39.70	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.009~0.15	-72.65	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.15~30	-67.89	PASS
Band38	20MHz	QPSK	38150	100RB#0	30~1000	-66.86	PASS
Band38	20MHz	QPSK	38150	100RB#0	1000~20000	-45.86	PASS
Band38	20MHz	QPSK	38150	100RB#0	20000~27000	-39.83	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.009~0.15	-75.45	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.15~30	-67.35	PASS
Band38	20MHz	16QAM	37850	100RB#0	30~1000	-66.65	PASS
Band38	20MHz	16QAM	37850	100RB#0	1000~20000	-45.71	PASS
Band38	20MHz	16QAM	37850	100RB#0	20000~27000	-39.74	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.009~0.15	-74.39	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.15~30	-69.80	PASS
Band38	20MHz	16QAM	38000	100RB#0	30~1000	-66.76	PASS
Band38	20MHz	16QAM	38000	100RB#0	1000~20000	-46.02	PASS
Band38	20MHz	16QAM	38000	100RB#0	20000~27000	-39.48	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.009~0.15	-74.66	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.15~30	-64.25	PASS
Band38	20MHz	16QAM	38150	100RB#0	30~1000	-66.82	PASS
Band38	20MHz	16QAM	38150	100RB#0	1000~20000	-46.31	PASS
Band38	20MHz	16QAM	38150	100RB#0	20000~27000	-39.75	PASS

Test Graphs

