

FCC LTE Band Test Data

FCC ID : 2BM9D-S25ULTRA

Company: : Shenzhen Jiaqi Technology Co., Ltd.

EUT : SMART PHONE

Model Number : S25 Ultra

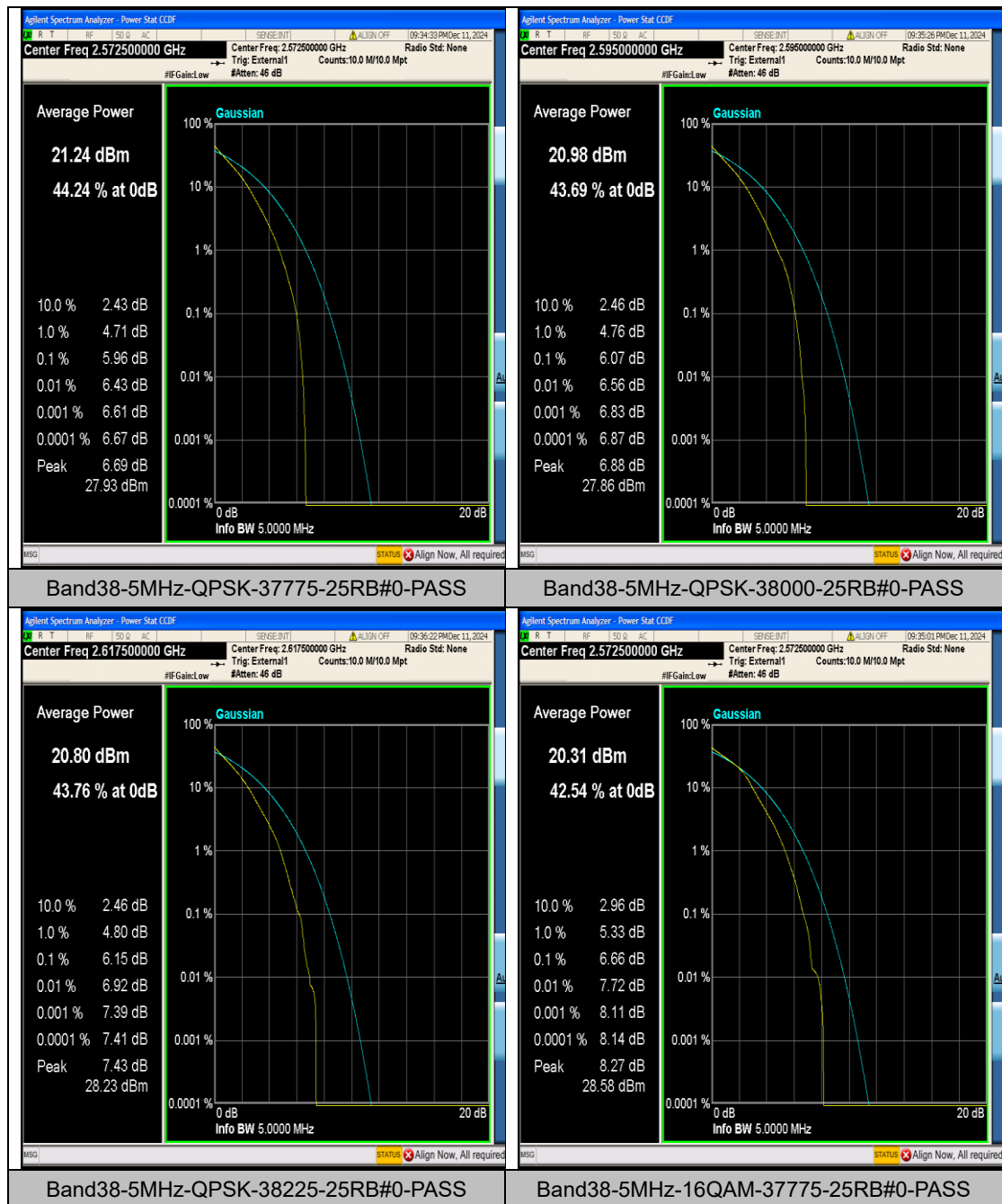
Reviewed By : Eric Wang

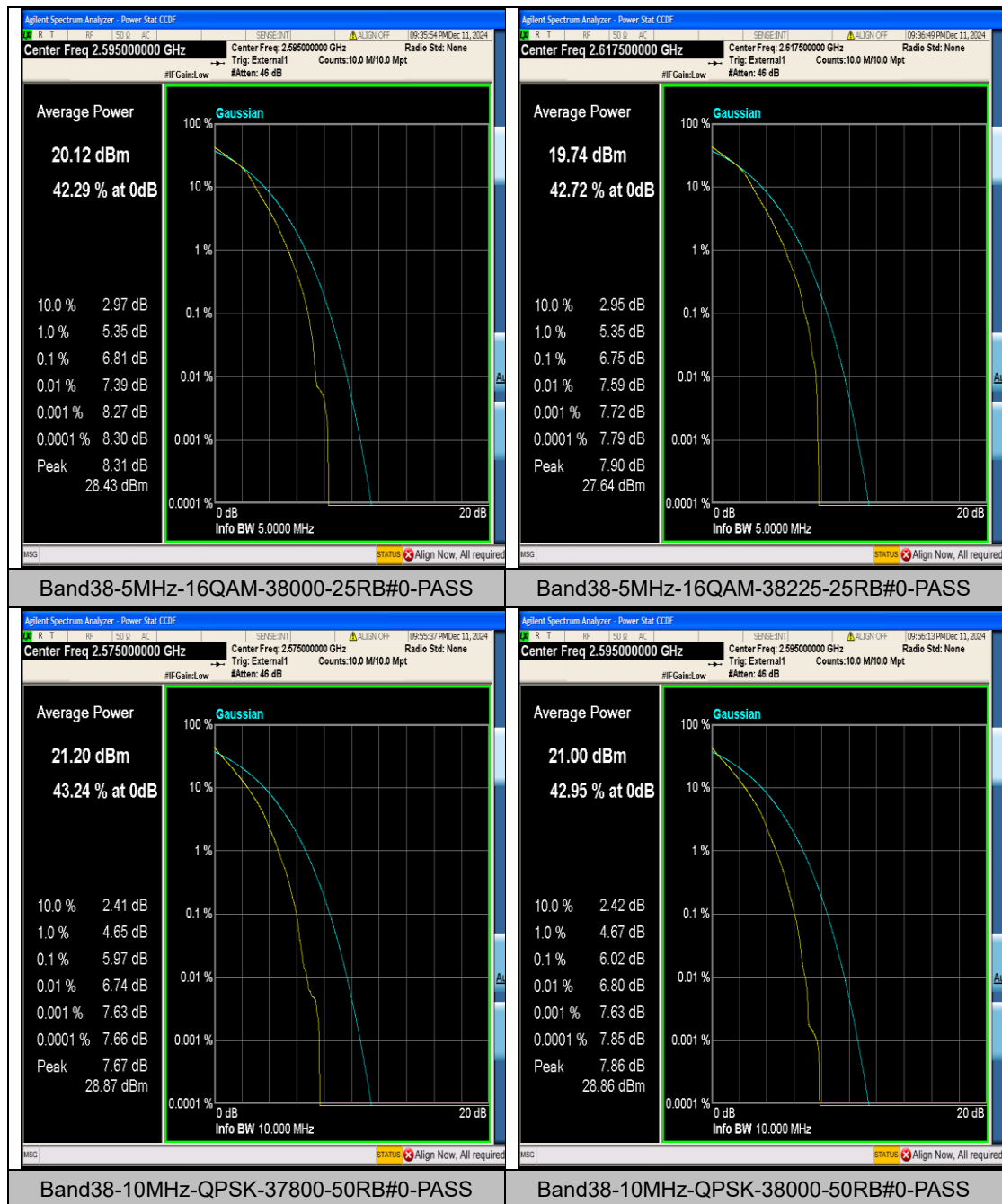
Appendix B: Peak-to-Average Ratio(CCDF)

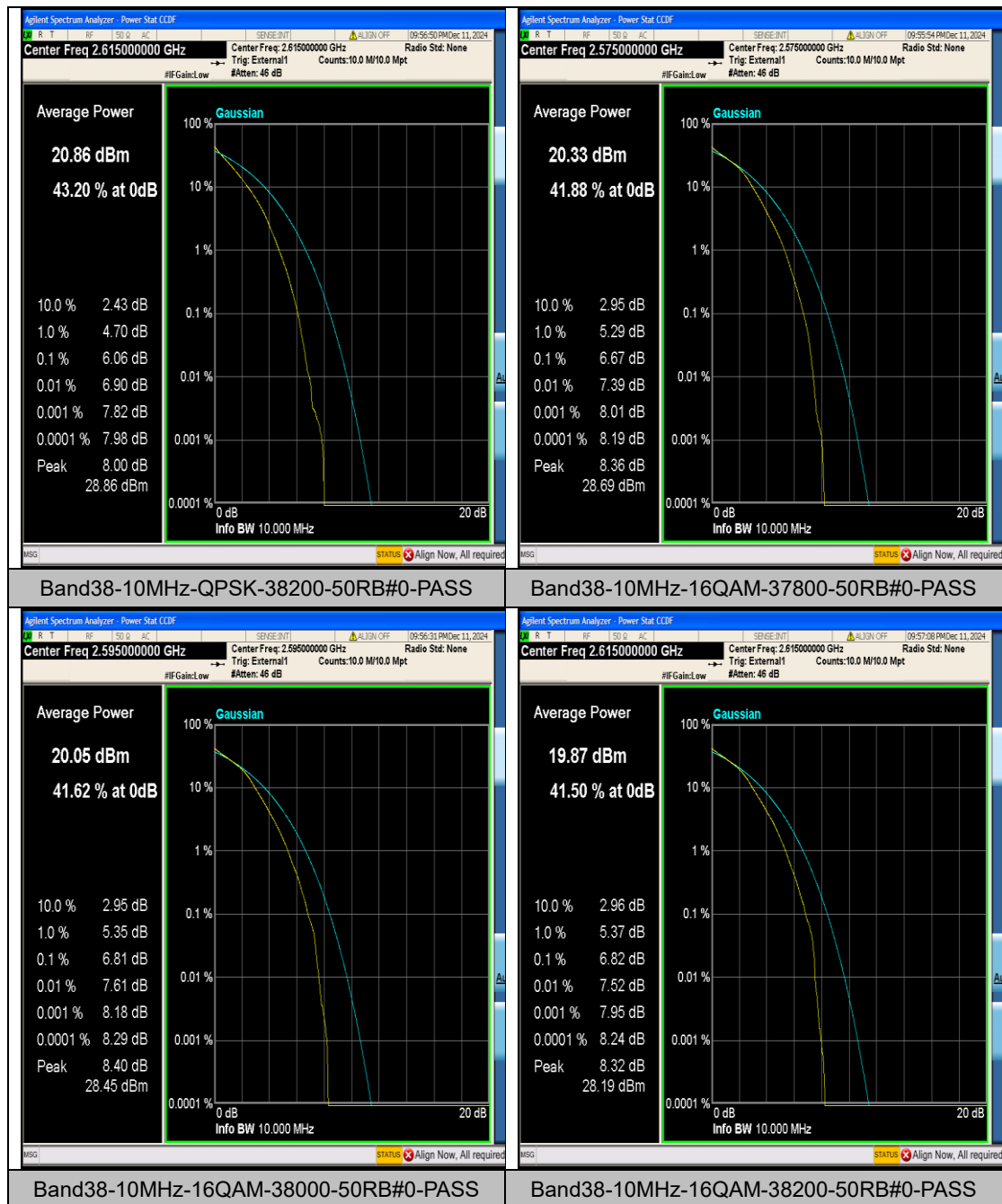
Test Result

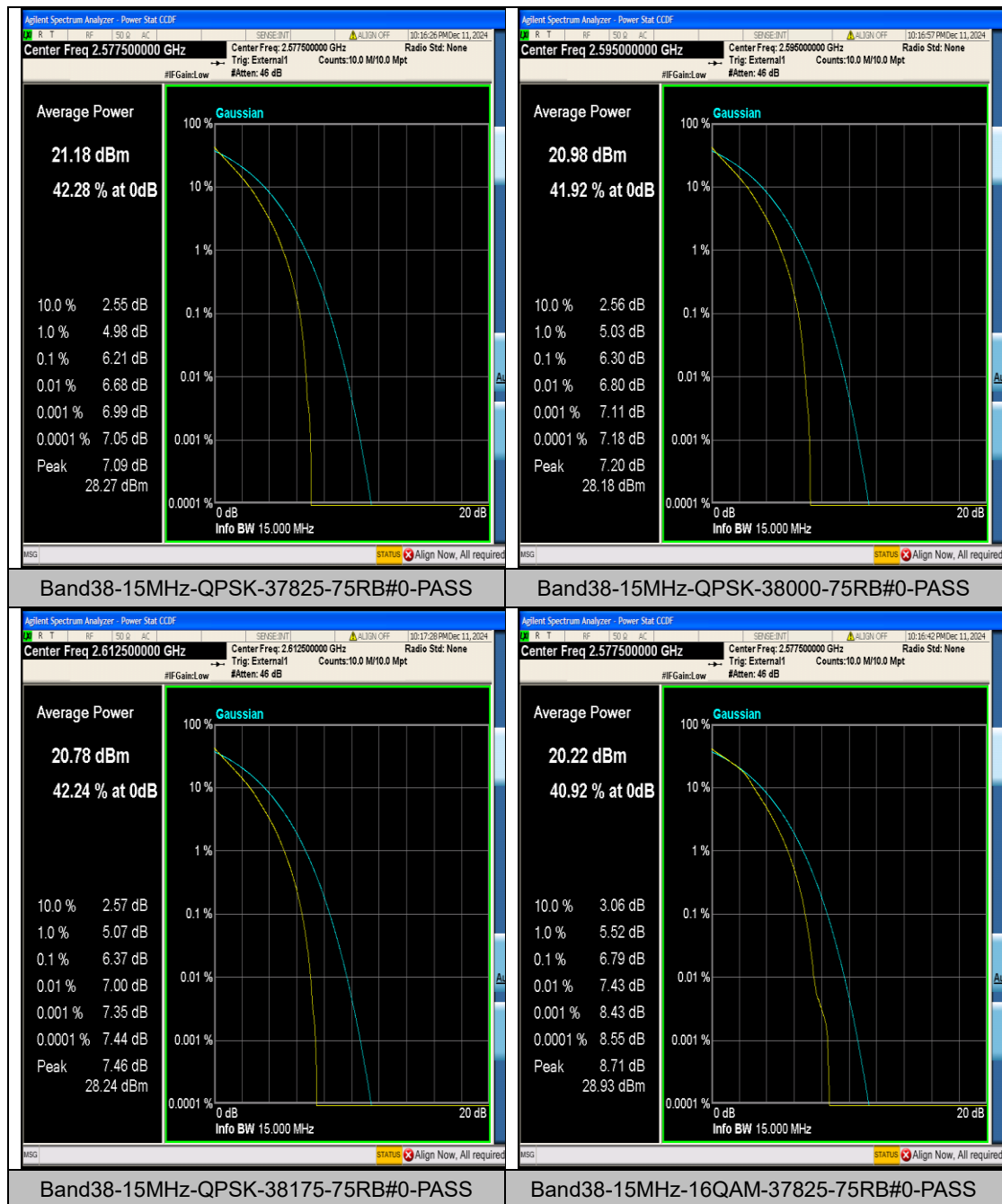
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	5.96	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	6.07	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	6.15	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	6.66	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	6.81	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	6.75	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	5.97	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	6.02	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	6.06	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	6.67	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	6.81	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	6.82	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	6.21	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	6.30	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	6.37	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	6.79	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	6.88	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	6.93	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	5.87	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	5.94	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	5.96	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	6.68	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	6.74	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	6.81	13	PASS

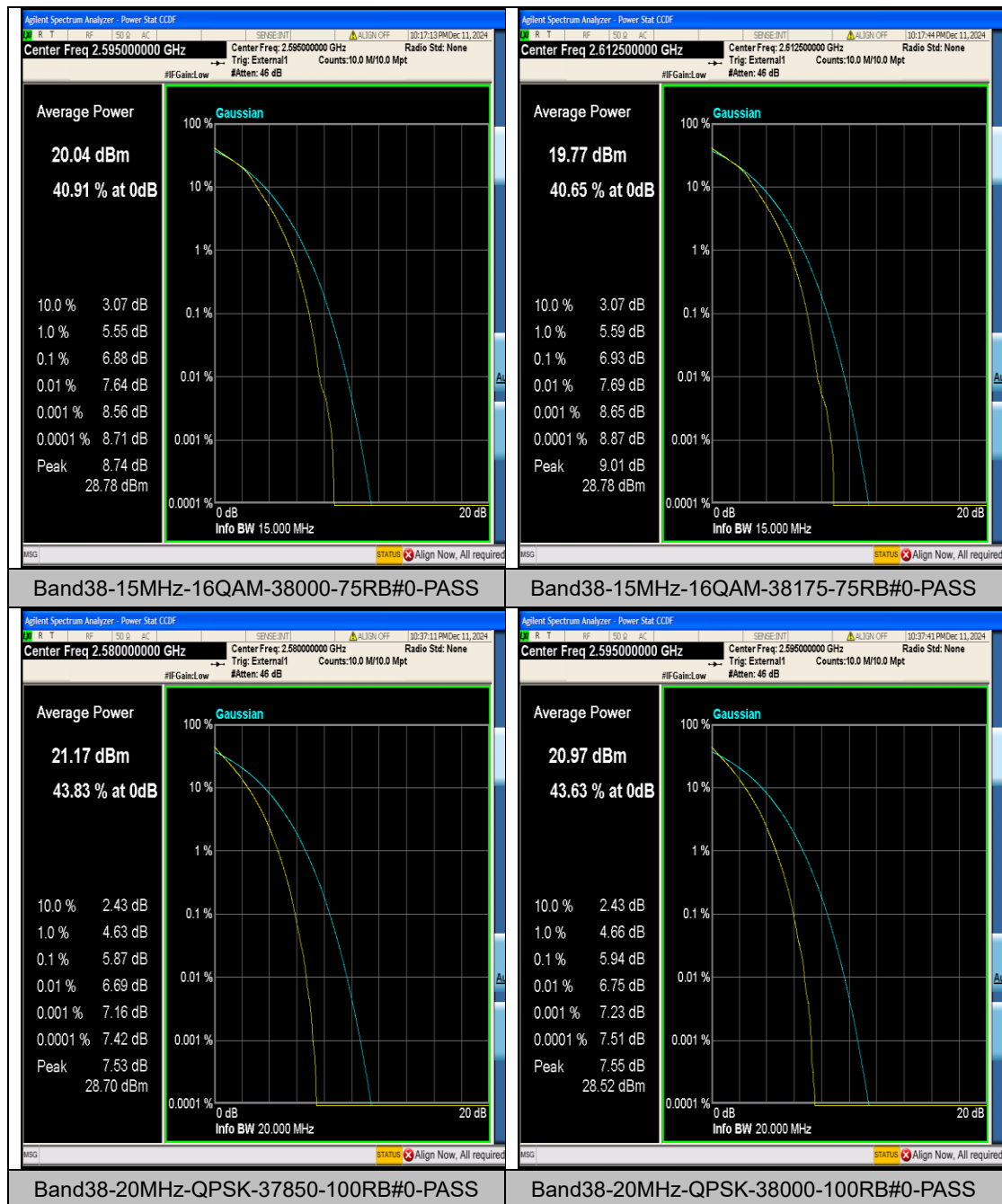
Test Graphs

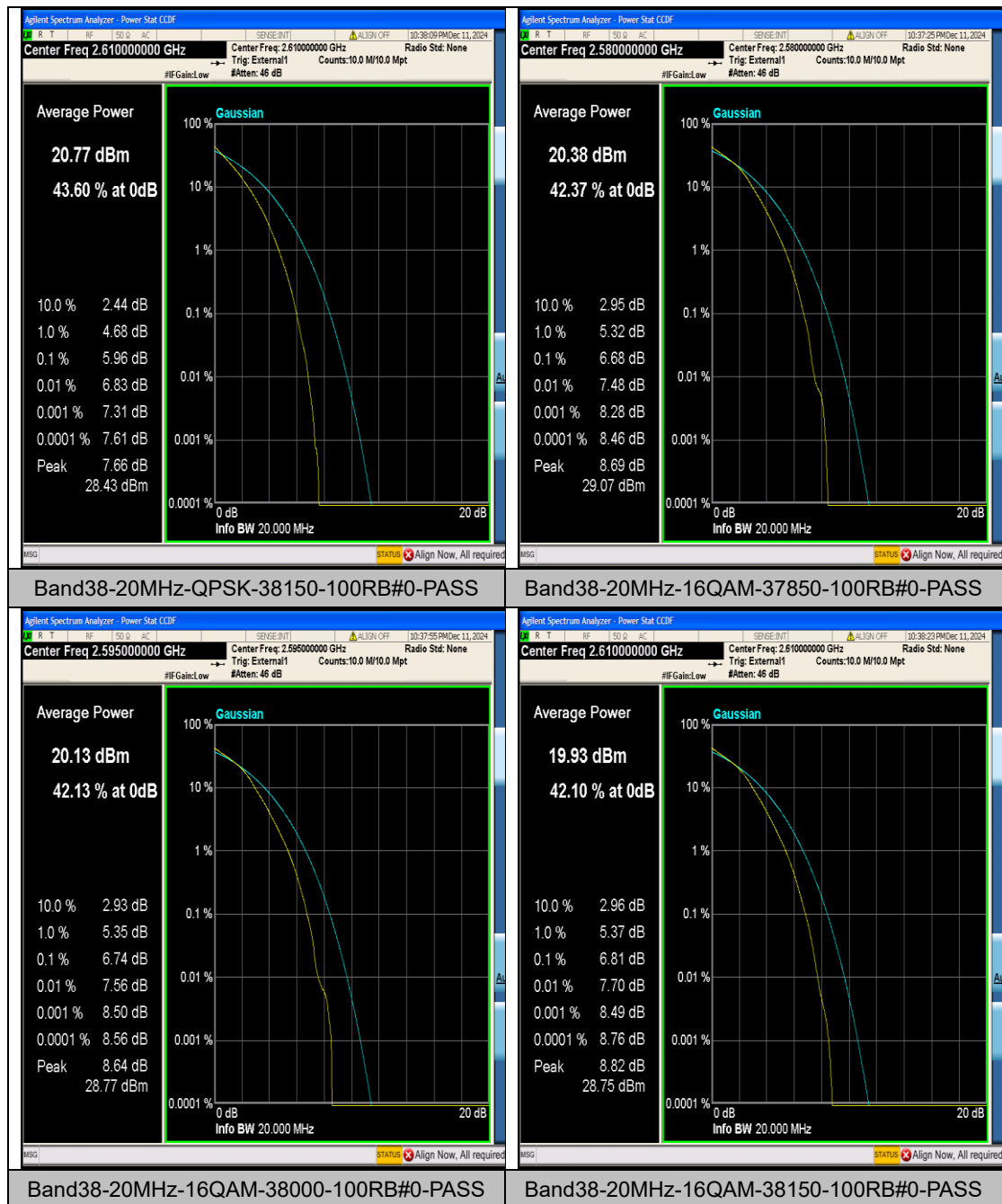










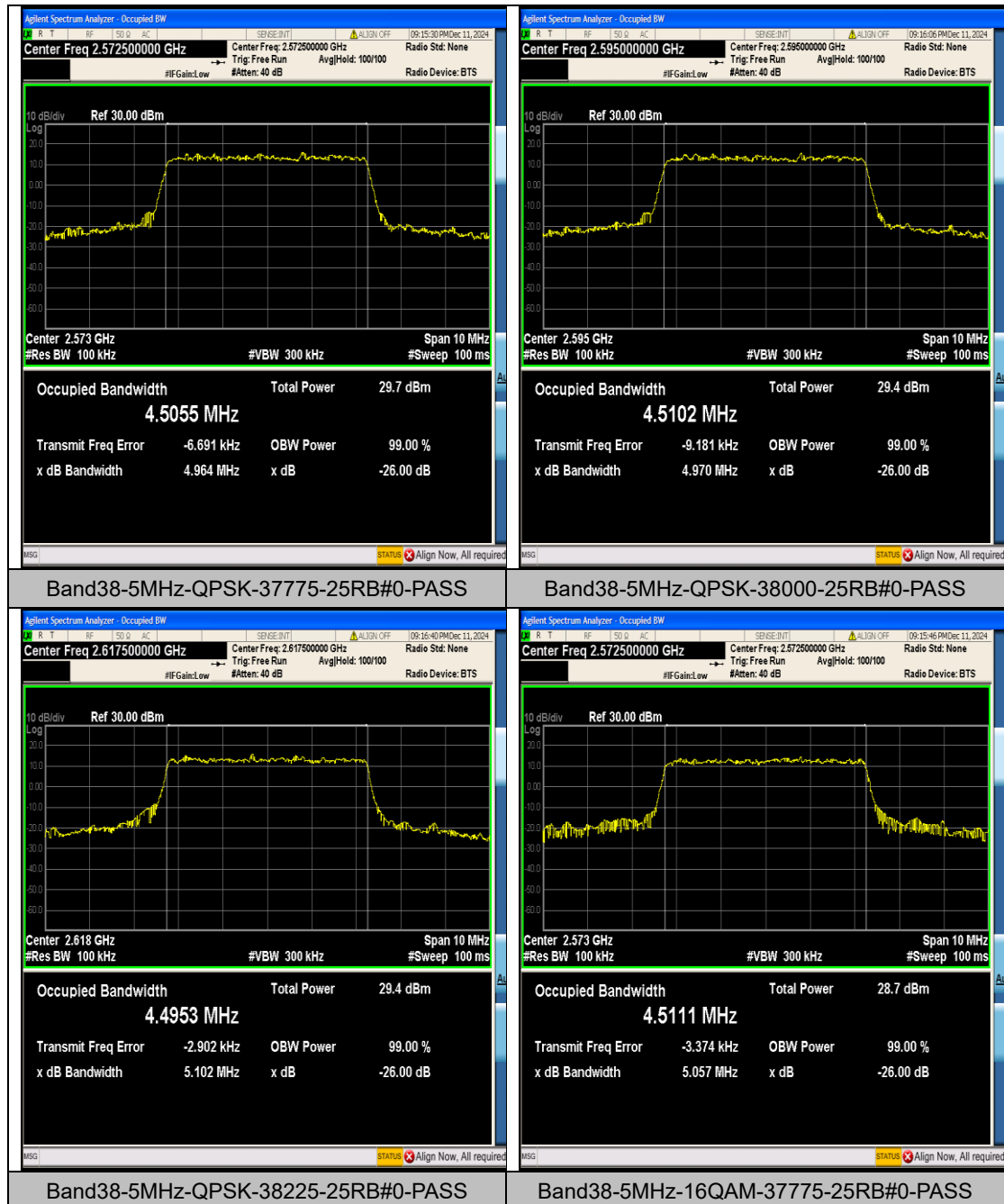


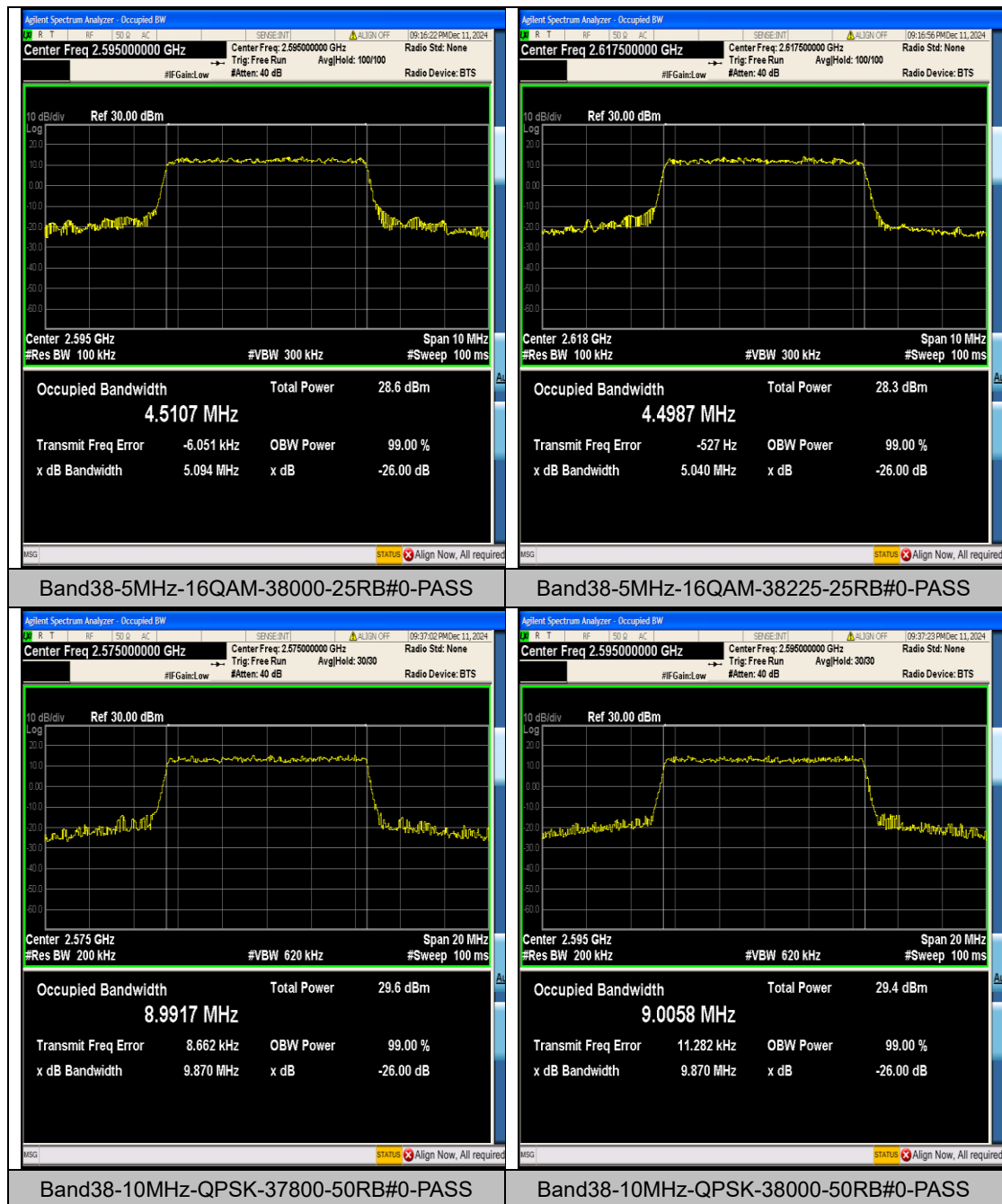
Appendix C: 26dB Bandwidth and Occupied Bandwidth

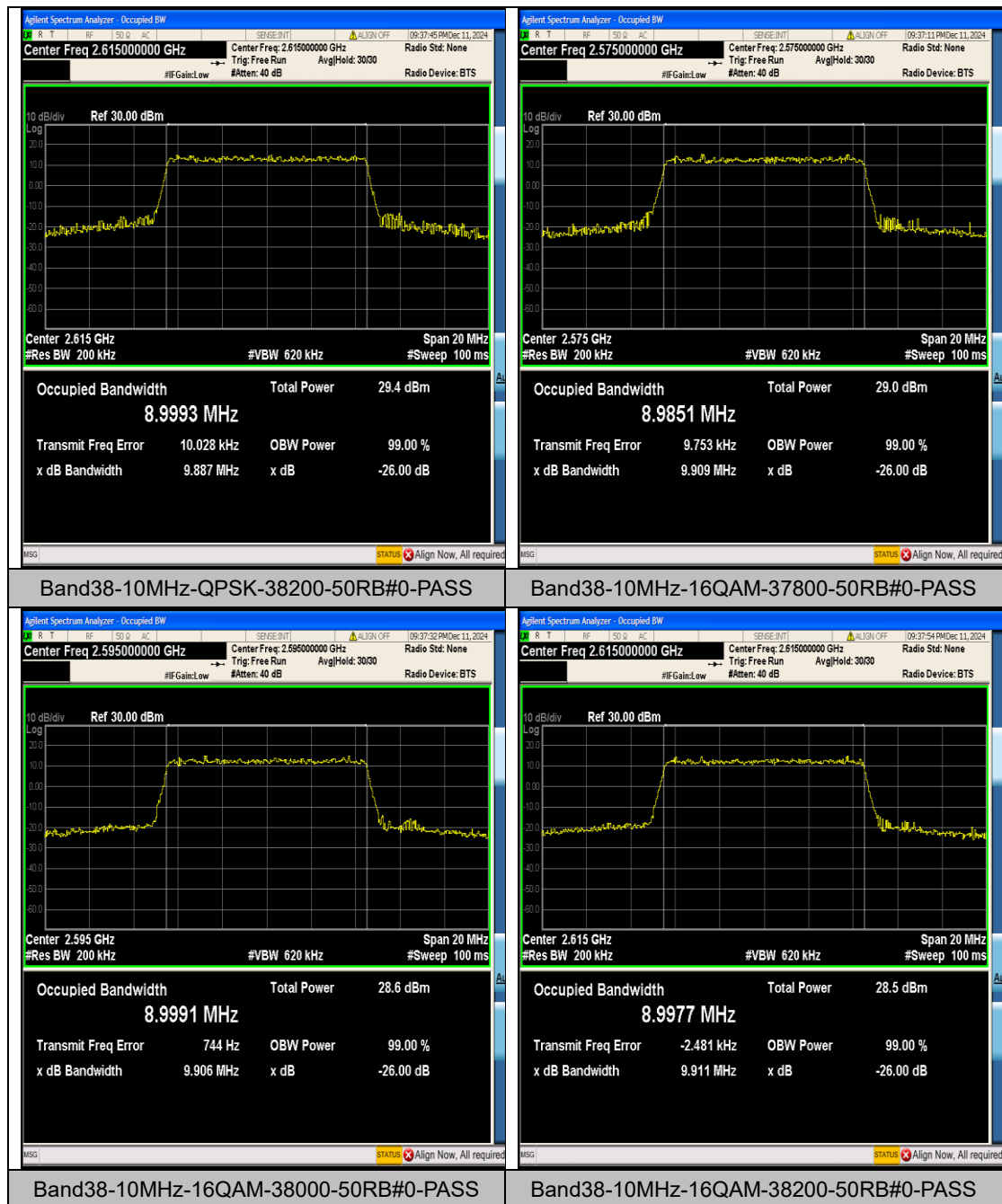
Test Result

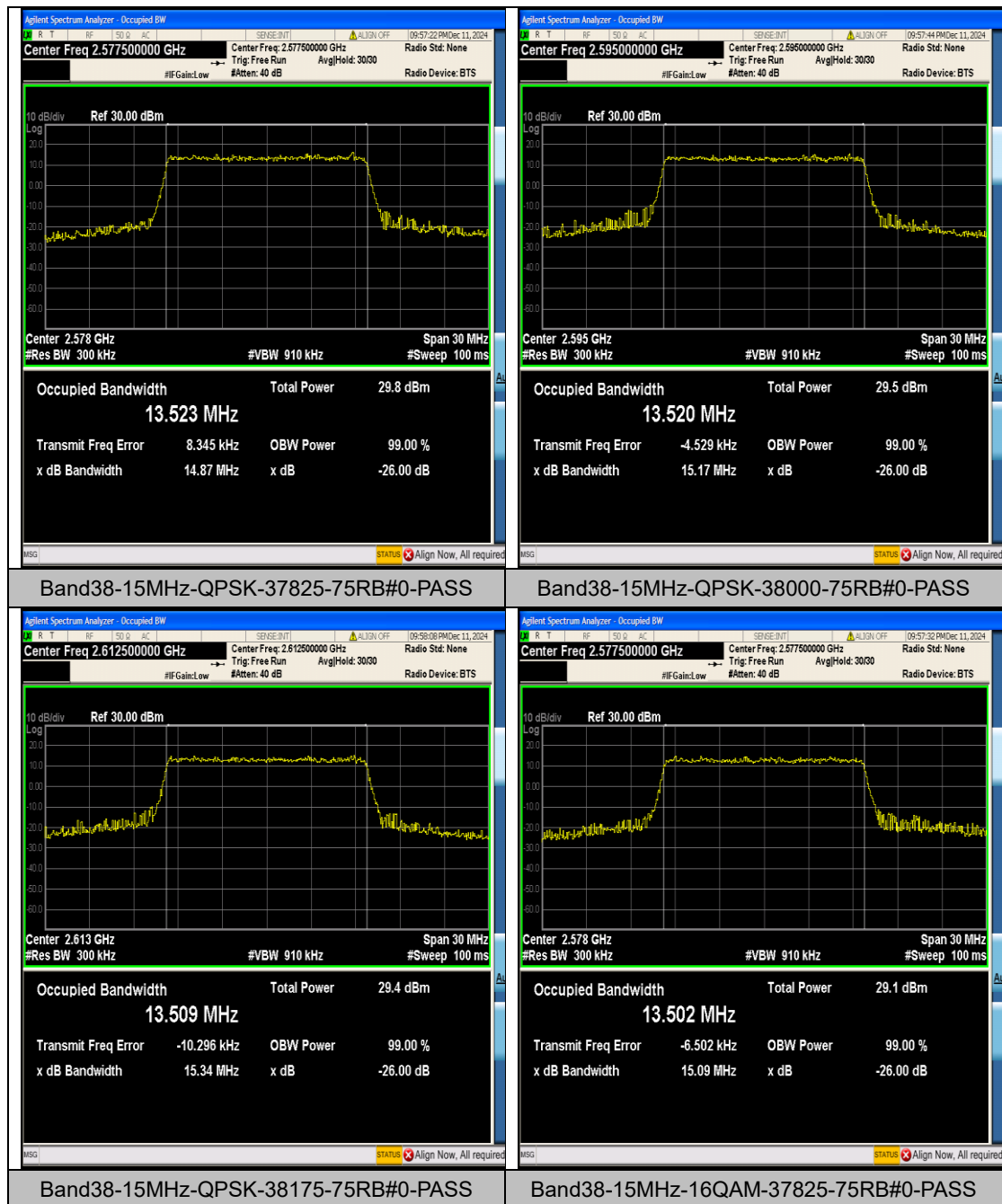
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.5055	4.964	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5102	4.970	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4953	5.102	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.5111	5.057	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.5107	5.094	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4987	5.040	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9917	9.870	PASS
Band38	10MHz	QPSK	38000	50RB#0	9.0058	9.870	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9993	9.887	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9851	9.909	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9991	9.906	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9977	9.911	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.523	14.87	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.520	15.17	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.509	15.34	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.502	15.09	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.500	15.29	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.491	15.43	PASS
Band38	20MHz	QPSK	37850	100RB#0	18.001	19.79	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.976	19.84	PASS
Band38	20MHz	QPSK	38150	100RB#0	18.024	19.74	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.957	19.70	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.955	20.22	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.976	20.06	PASS

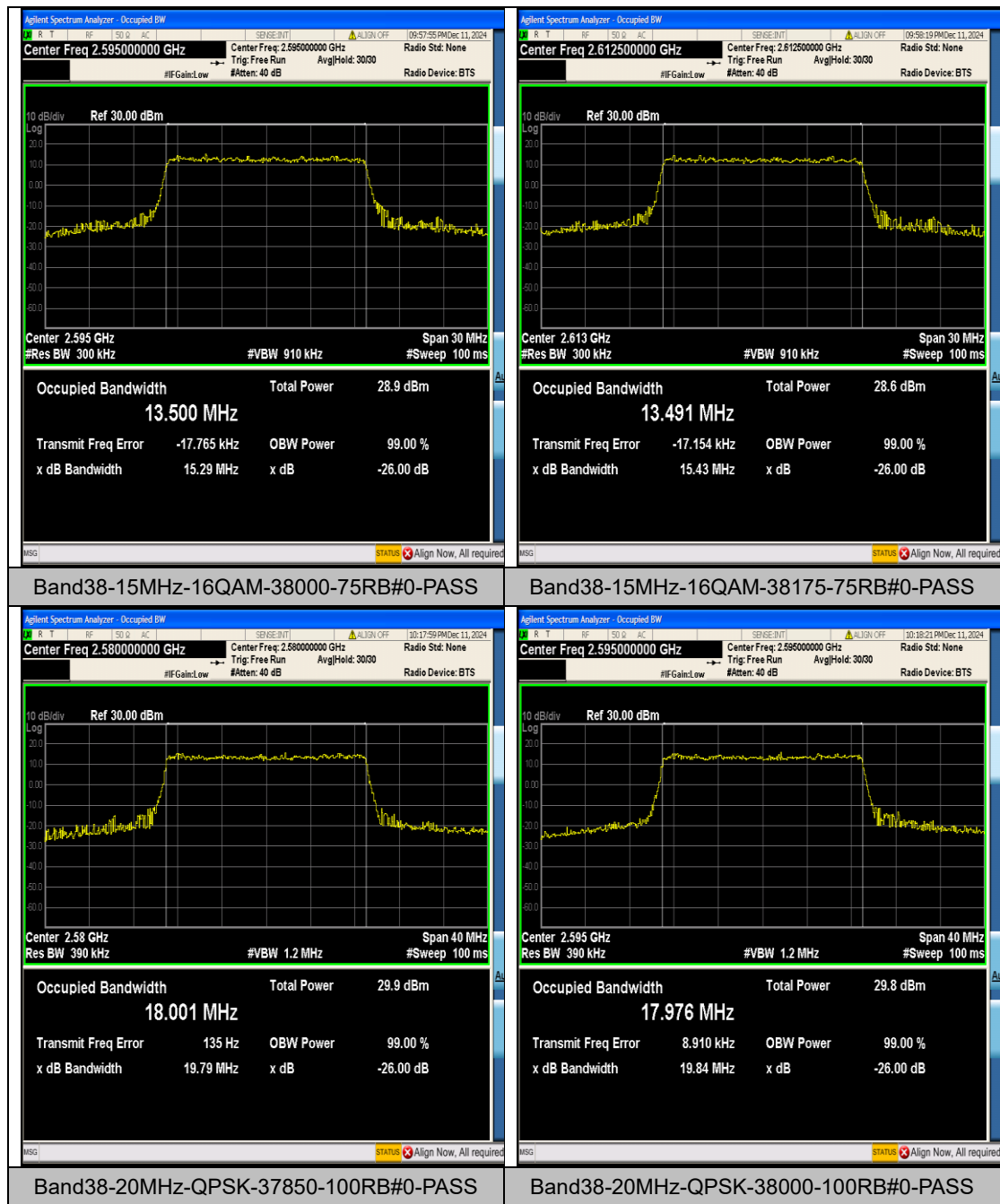
Test Graphs

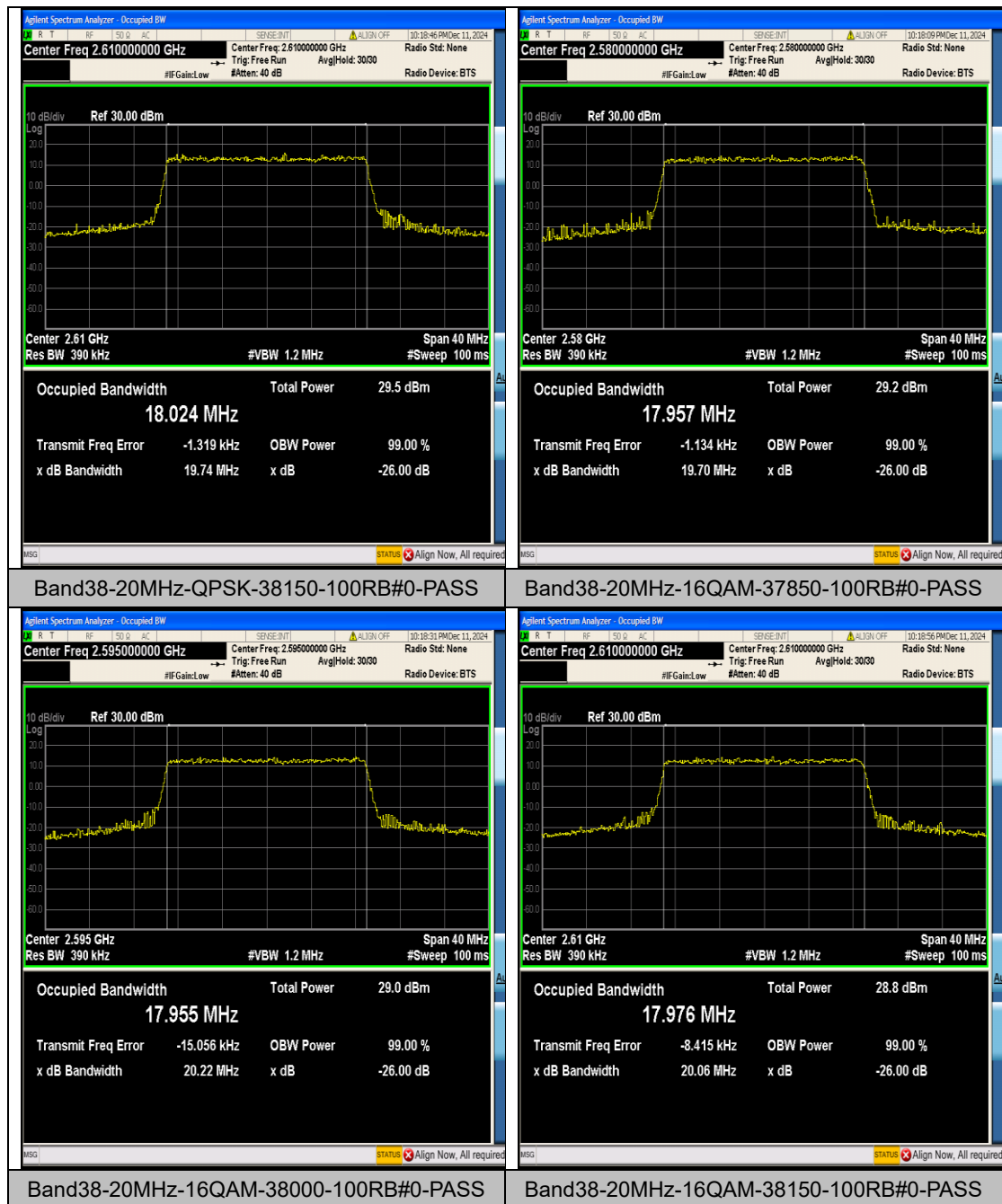










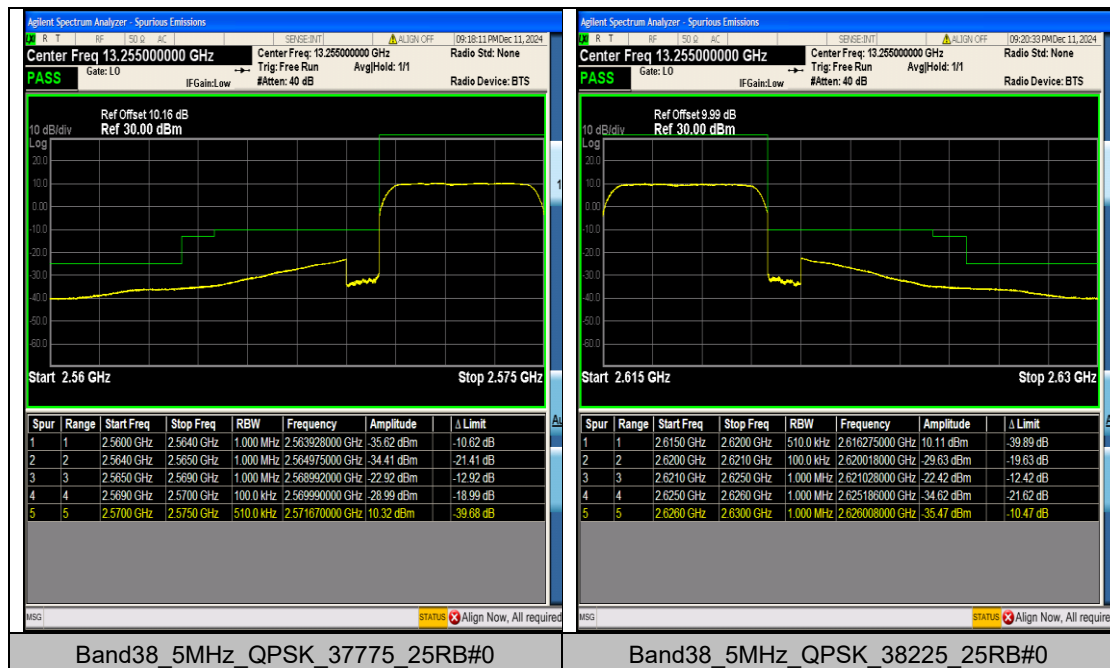


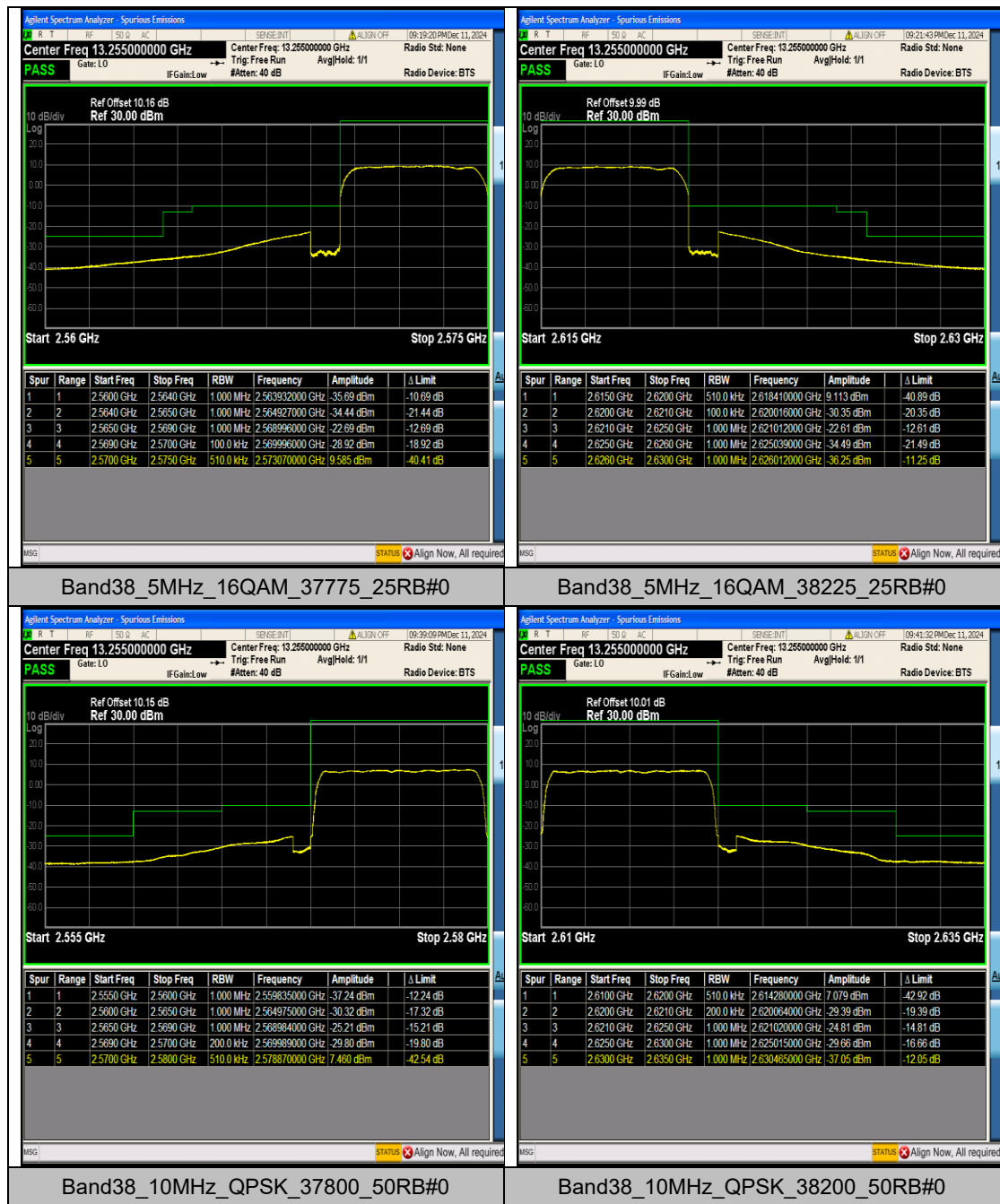
Appendix D: Band Edge

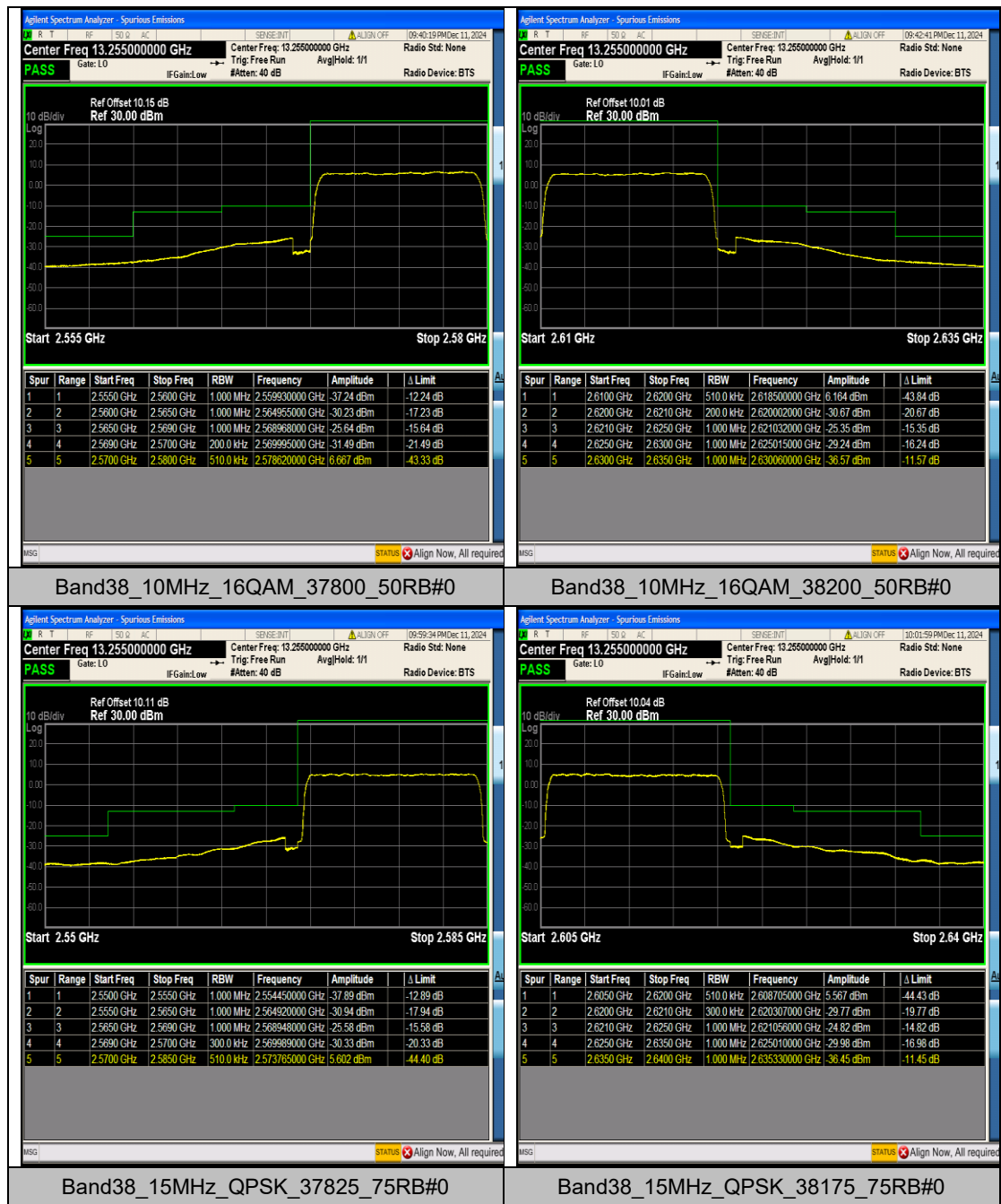
Test Result

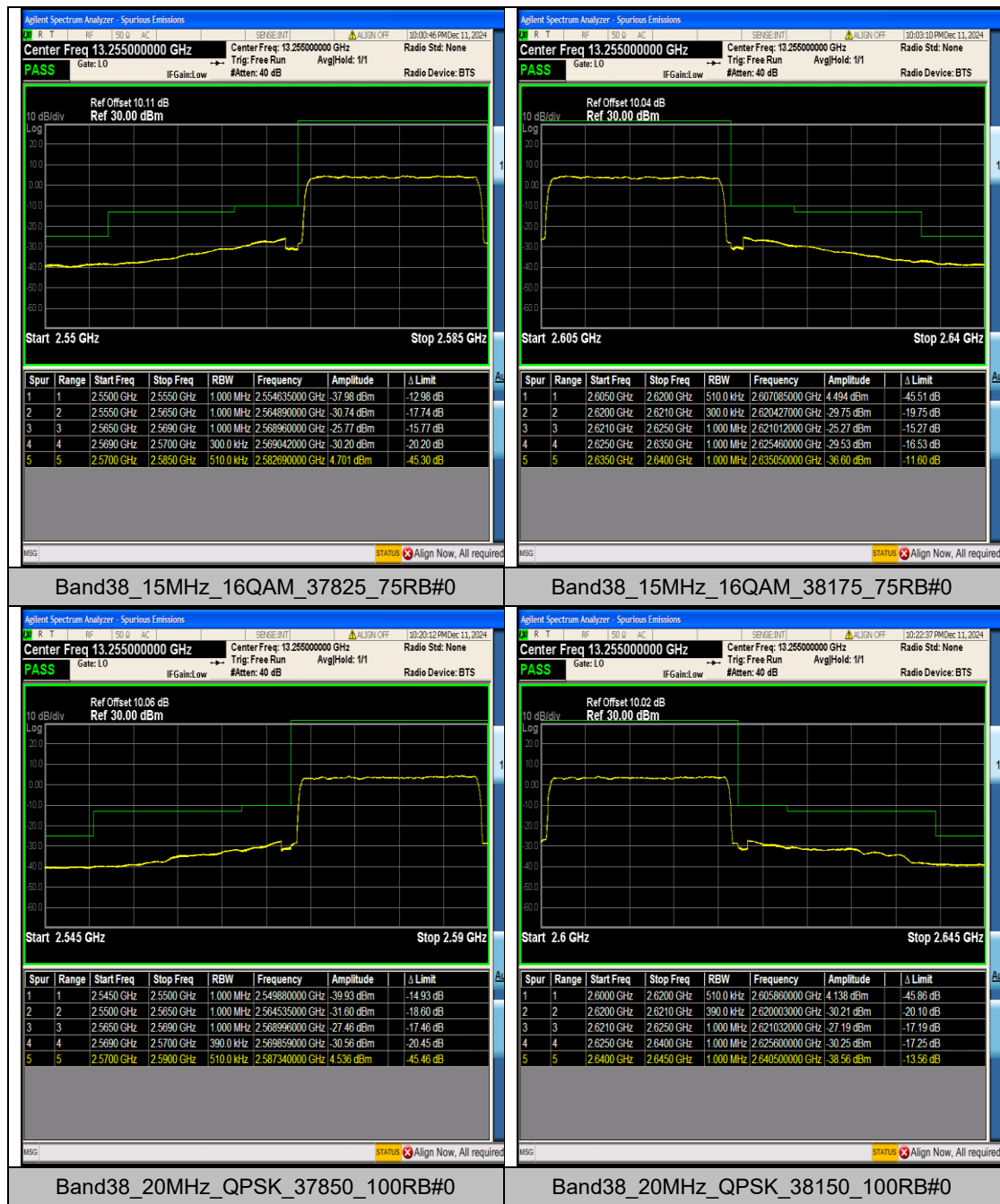
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	-35.62	PASS
Band38	5MHz	QPSK	38225	25RB#0	-35.47	PASS
Band38	5MHz	16QAM	37775	25RB#0	-35.69	PASS
Band38	5MHz	16QAM	38225	25RB#0	-36.25	PASS
Band38	10MHz	QPSK	37800	50RB#0	-37.24	PASS
Band38	10MHz	QPSK	38200	50RB#0	-37.05	PASS
Band38	10MHz	16QAM	37800	50RB#0	-37.24	PASS
Band38	10MHz	16QAM	38200	50RB#0	-36.57	PASS
Band38	15MHz	QPSK	37825	75RB#0	-37.89	PASS
Band38	15MHz	QPSK	38175	75RB#0	-36.45	PASS
Band38	15MHz	16QAM	37825	75RB#0	-37.98	PASS
Band38	15MHz	16QAM	38175	75RB#0	-36.60	PASS
Band38	20MHz	QPSK	37850	100RB#0	-39.93	PASS
Band38	20MHz	QPSK	38150	100RB#0	-38.56	PASS
Band38	20MHz	16QAM	37850	100RB#0	-39.78	PASS
Band38	20MHz	16QAM	38150	100RB#0	-38.15	PASS

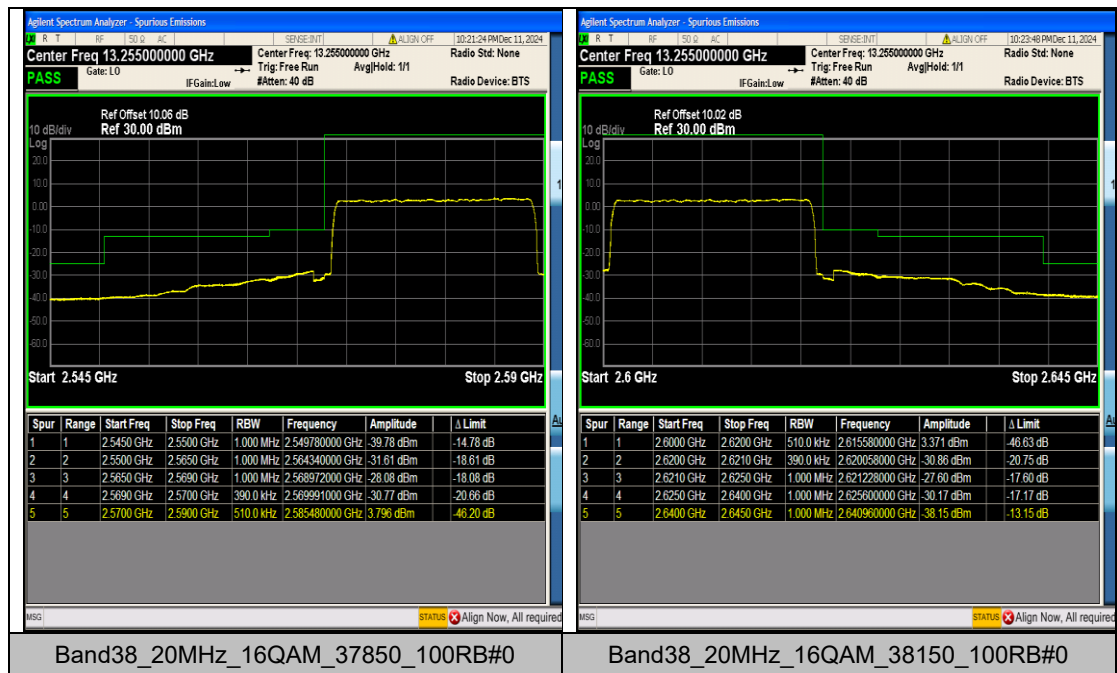
Test Graphs











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	-63.94	PASS
Band38	5MHz	QPSK	37775	25RB#0	0.15~30	-61.62	PASS
Band38	5MHz	QPSK	37775	25RB#0	30~1000	-61.80	PASS
Band38	5MHz	QPSK	37775	25RB#0	1000~20000	-35.18	PASS
Band38	5MHz	QPSK	37775	25RB#0	20000~27000	-31.66	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.009~0.15	-65.57	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.15~30	-60.92	PASS
Band38	5MHz	QPSK	38000	25RB#0	30~1000	-61.63	PASS
Band38	5MHz	QPSK	38000	25RB#0	1000~20000	-35.52	PASS
Band38	5MHz	QPSK	38000	25RB#0	20000~27000	-31.61	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.009~0.15	-63.10	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.15~30	-64.19	PASS
Band38	5MHz	QPSK	38225	25RB#0	30~1000	-61.45	PASS
Band38	5MHz	QPSK	38225	25RB#0	1000~20000	-34.24	PASS
Band38	5MHz	QPSK	38225	25RB#0	20000~27000	-31.85	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.009~0.15	-66.22	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.15~30	-59.74	PASS
Band38	5MHz	16QAM	37775	25RB#0	30~1000	-61.91	PASS
Band38	5MHz	16QAM	37775	25RB#0	1000~20000	-34.90	PASS
Band38	5MHz	16QAM	37775	25RB#0	20000~27000	-31.09	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.009~0.15	-66.20	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.15~30	-62.61	PASS
Band38	5MHz	16QAM	38000	25RB#0	30~1000	-61.48	PASS
Band38	5MHz	16QAM	38000	25RB#0	1000~20000	-34.85	PASS
Band38	5MHz	16QAM	38000	25RB#0	20000~27000	-31.55	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.009~0.15	-67.71	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.15~30	-59.20	PASS
Band38	5MHz	16QAM	38225	25RB#0	30~1000	-61.24	PASS
Band38	5MHz	16QAM	38225	25RB#0	1000~20000	-35.24	PASS
Band38	5MHz	16QAM	38225	25RB#0	20000~27000	-31.79	PASS
Band38	10MHz	QPSK	37800	50RB#0	0.009~0.15	-64.86	PASS
Band38	10MHz	QPSK	37800	50RB#0	0.15~30	-62.60	PASS
Band38	10MHz	QPSK	37800	50RB#0	30~1000	-61.56	PASS
Band38	10MHz	QPSK	37800	50RB#0	1000~20000	-36.66	PASS
Band38	10MHz	QPSK	37800	50RB#0	20000~27000	-31.89	PASS
Band38	10MHz	QPSK	38000	50RB#0	0.009~0.15	-63.79	PASS

Band38	10MHz	QPSK	38000	50RB#0	0.15~30	-61.10	PASS
Band38	10MHz	QPSK	38000	50RB#0	30~1000	-61.35	PASS
Band38	10MHz	QPSK	38000	50RB#0	1000~20000	-37.27	PASS
Band38	10MHz	QPSK	38000	50RB#0	20000~27000	-31.80	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.009~0.15	-65.99	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.15~30	-61.84	PASS
Band38	10MHz	QPSK	38200	50RB#0	30~1000	-61.63	PASS
Band38	10MHz	QPSK	38200	50RB#0	1000~20000	-37.94	PASS
Band38	10MHz	QPSK	38200	50RB#0	20000~27000	-31.64	PASS
Band38	10MHz	16QAM	37800	50RB#0	0.009~0.15	-67.10	PASS
Band38	10MHz	16QAM	37800	50RB#0	0.15~30	-59.59	PASS
Band38	10MHz	16QAM	37800	50RB#0	30~1000	-61.65	PASS
Band38	10MHz	16QAM	37800	50RB#0	1000~20000	-37.75	PASS
Band38	10MHz	16QAM	37800	50RB#0	20000~27000	-31.70	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.009~0.15	-64.52	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.15~30	-60.22	PASS
Band38	10MHz	16QAM	38000	50RB#0	30~1000	-62.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	1000~20000	-37.49	PASS
Band38	10MHz	16QAM	38000	50RB#0	20000~27000	-31.39	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.009~0.15	-63.82	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.15~30	-60.68	PASS
Band38	10MHz	16QAM	38200	50RB#0	30~1000	-61.76	PASS
Band38	10MHz	16QAM	38200	50RB#0	1000~20000	-37.81	PASS
Band38	10MHz	16QAM	38200	50RB#0	20000~27000	-31.84	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.009~0.15	-65.05	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.15~30	-59.85	PASS
Band38	15MHz	QPSK	37825	75RB#0	30~1000	-61.71	PASS
Band38	15MHz	QPSK	37825	75RB#0	1000~20000	-36.75	PASS
Band38	15MHz	QPSK	37825	75RB#0	20000~27000	-31.66	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.009~0.15	-63.86	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.15~30	-59.42	PASS
Band38	15MHz	QPSK	38000	75RB#0	30~1000	-61.89	PASS
Band38	15MHz	QPSK	38000	75RB#0	1000~20000	-37.61	PASS
Band38	15MHz	QPSK	38000	75RB#0	20000~27000	-31.65	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.009~0.15	-64.90	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.15~30	-60.78	PASS
Band38	15MHz	QPSK	38175	75RB#0	30~1000	-61.75	PASS
Band38	15MHz	QPSK	38175	75RB#0	1000~20000	-37.30	PASS
Band38	15MHz	QPSK	38175	75RB#0	20000~27000	-31.44	PASS
Band38	15MHz	16QAM	37825	75RB#0	0.009~0.15	-62.79	PASS
Band38	15MHz	16QAM	37825	75RB#0	0.15~30	-59.99	PASS
Band38	15MHz	16QAM	37825	75RB#0	30~1000	-61.88	PASS
Band38	15MHz	16QAM	37825	75RB#0	1000~20000	-38.09	PASS

Band38	15MHz	16QAM	37825	75RB#0	20000~27000	-31.95	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.009~0.15	-62.40	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.15~30	-60.37	PASS
Band38	15MHz	16QAM	38000	75RB#0	30~1000	-61.79	PASS
Band38	15MHz	16QAM	38000	75RB#0	1000~20000	-38.38	PASS
Band38	15MHz	16QAM	38000	75RB#0	20000~27000	-31.74	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.009~0.15	-64.24	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.15~30	-60.66	PASS
Band38	15MHz	16QAM	38175	75RB#0	30~1000	-61.67	PASS
Band38	15MHz	16QAM	38175	75RB#0	1000~20000	-38.18	PASS
Band38	15MHz	16QAM	38175	75RB#0	20000~27000	-31.57	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.009~0.15	-66.31	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.15~30	-61.51	PASS
Band38	20MHz	QPSK	37850	100RB#0	30~1000	-61.63	PASS
Band38	20MHz	QPSK	37850	100RB#0	1000~20000	-37.90	PASS
Band38	20MHz	QPSK	37850	100RB#0	20000~27000	-31.08	PASS
Band38	20MHz	QPSK	38000	100RB#0	0.009~0.15	-67.09	PASS
Band38	20MHz	QPSK	38000	100RB#0	0.15~30	-62.56	PASS
Band38	20MHz	QPSK	38000	100RB#0	30~1000	-61.80	PASS
Band38	20MHz	QPSK	38000	100RB#0	1000~20000	-38.46	PASS
Band38	20MHz	QPSK	38000	100RB#0	20000~27000	-31.56	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.009~0.15	-65.86	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.15~30	-63.44	PASS
Band38	20MHz	QPSK	38150	100RB#0	30~1000	-61.71	PASS
Band38	20MHz	QPSK	38150	100RB#0	1000~20000	-38.26	PASS
Band38	20MHz	QPSK	38150	100RB#0	20000~27000	-31.75	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.009~0.15	-66.91	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.15~30	-60.63	PASS
Band38	20MHz	16QAM	37850	100RB#0	30~1000	-61.64	PASS
Band38	20MHz	16QAM	37850	100RB#0	1000~20000	-38.30	PASS
Band38	20MHz	16QAM	37850	100RB#0	20000~27000	-31.78	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.009~0.15	-66.30	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.15~30	-63.79	PASS
Band38	20MHz	16QAM	38000	100RB#0	30~1000	-61.91	PASS
Band38	20MHz	16QAM	38000	100RB#0	1000~20000	-38.13	PASS
Band38	20MHz	16QAM	38000	100RB#0	20000~27000	-31.68	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.009~0.15	-67.91	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.15~30	-62.78	PASS
Band38	20MHz	16QAM	38150	100RB#0	30~1000	-61.90	PASS
Band38	20MHz	16QAM	38150	100RB#0	1000~20000	-38.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	20000~27000	-31.61	PASS

Test Graphs

