

FCC LTE Band Test Data

FCC ID : 2BL85-LEM

Company: : SHENZHEN WAYFOR WARD ELECTRONIC CO.,LTD

EUT : smart watch

Model Number : LEM10

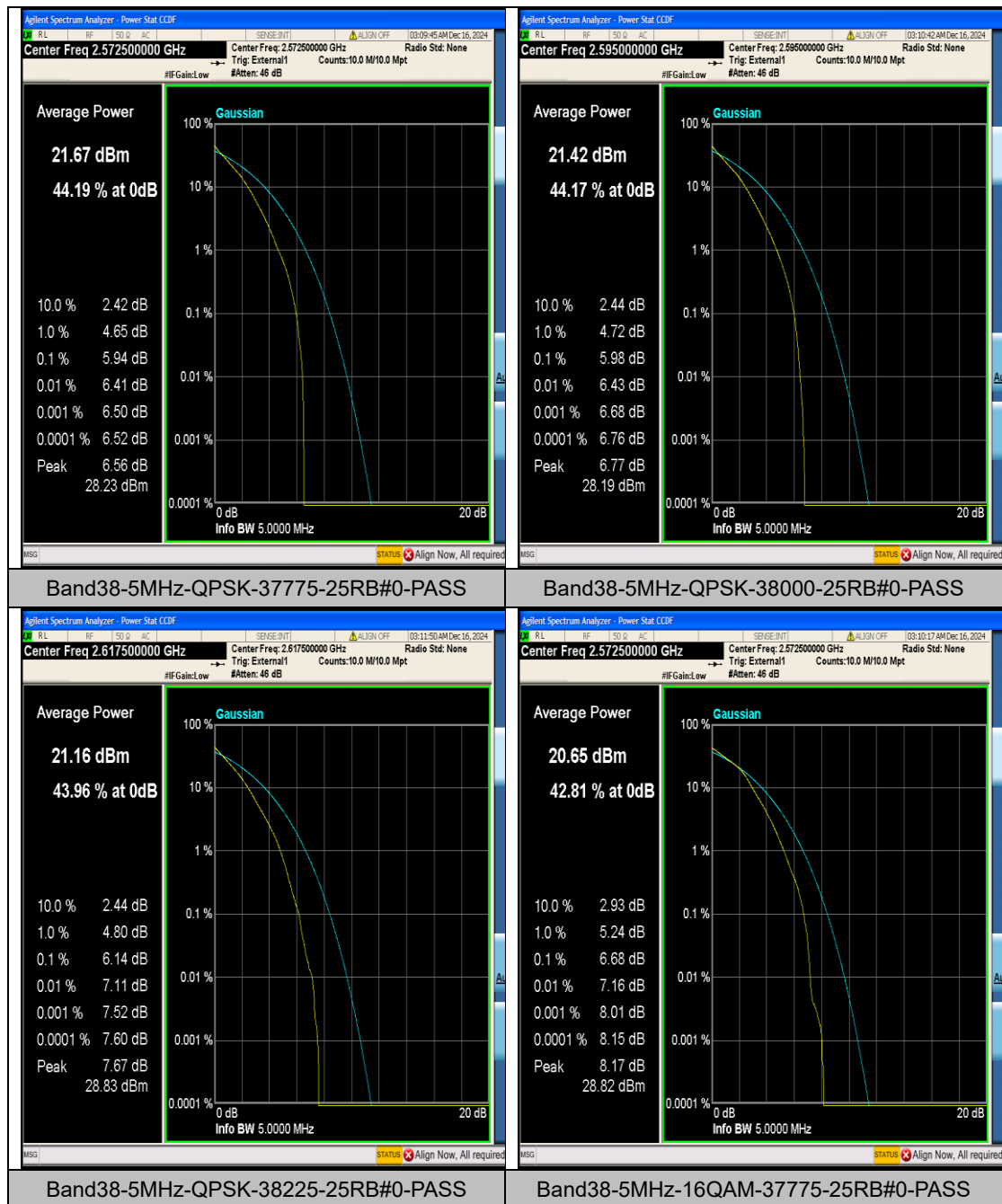
Reviewed By : Eric Wang

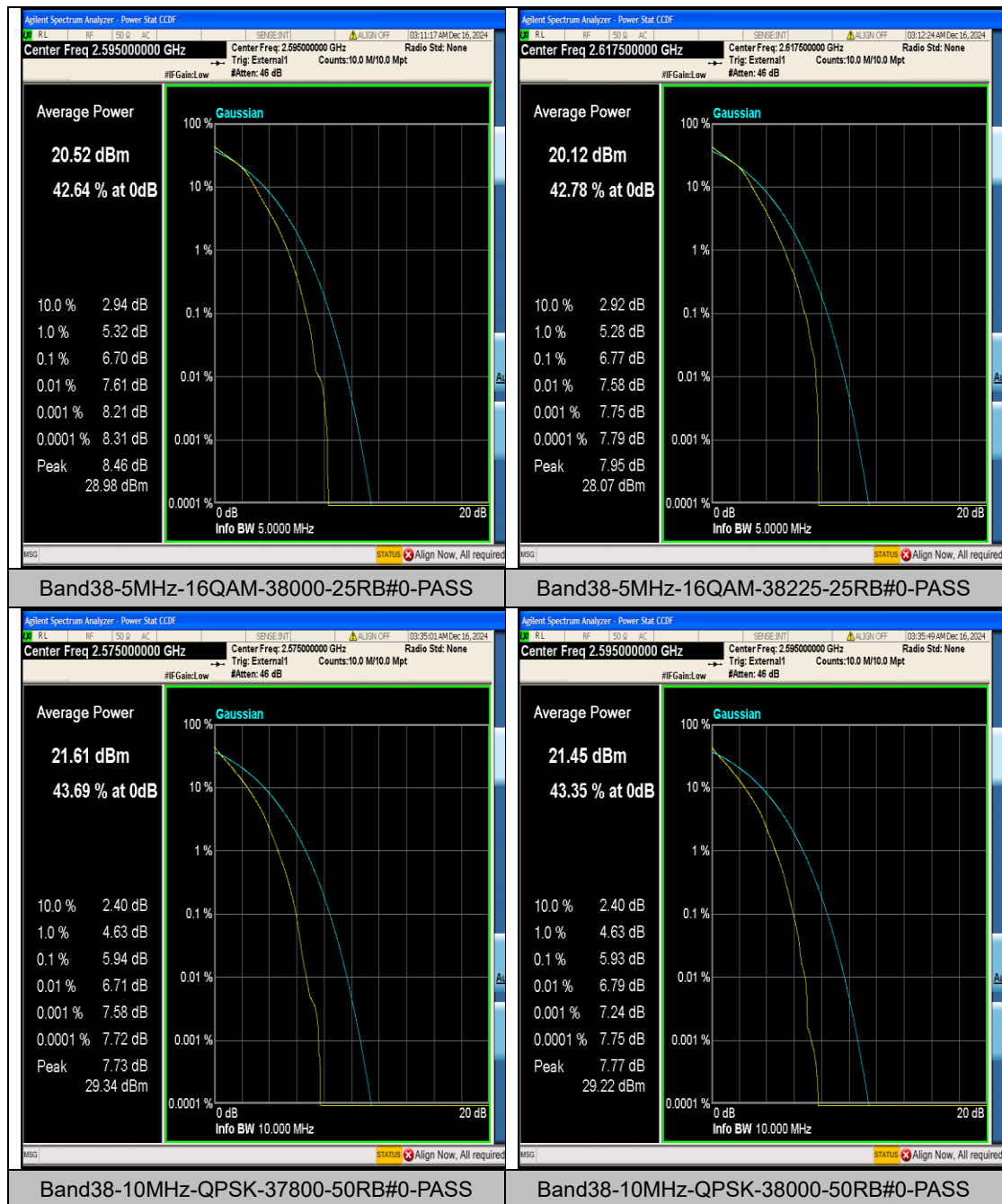
Appendix B: Peak-to-Average Ratio(CCDF)

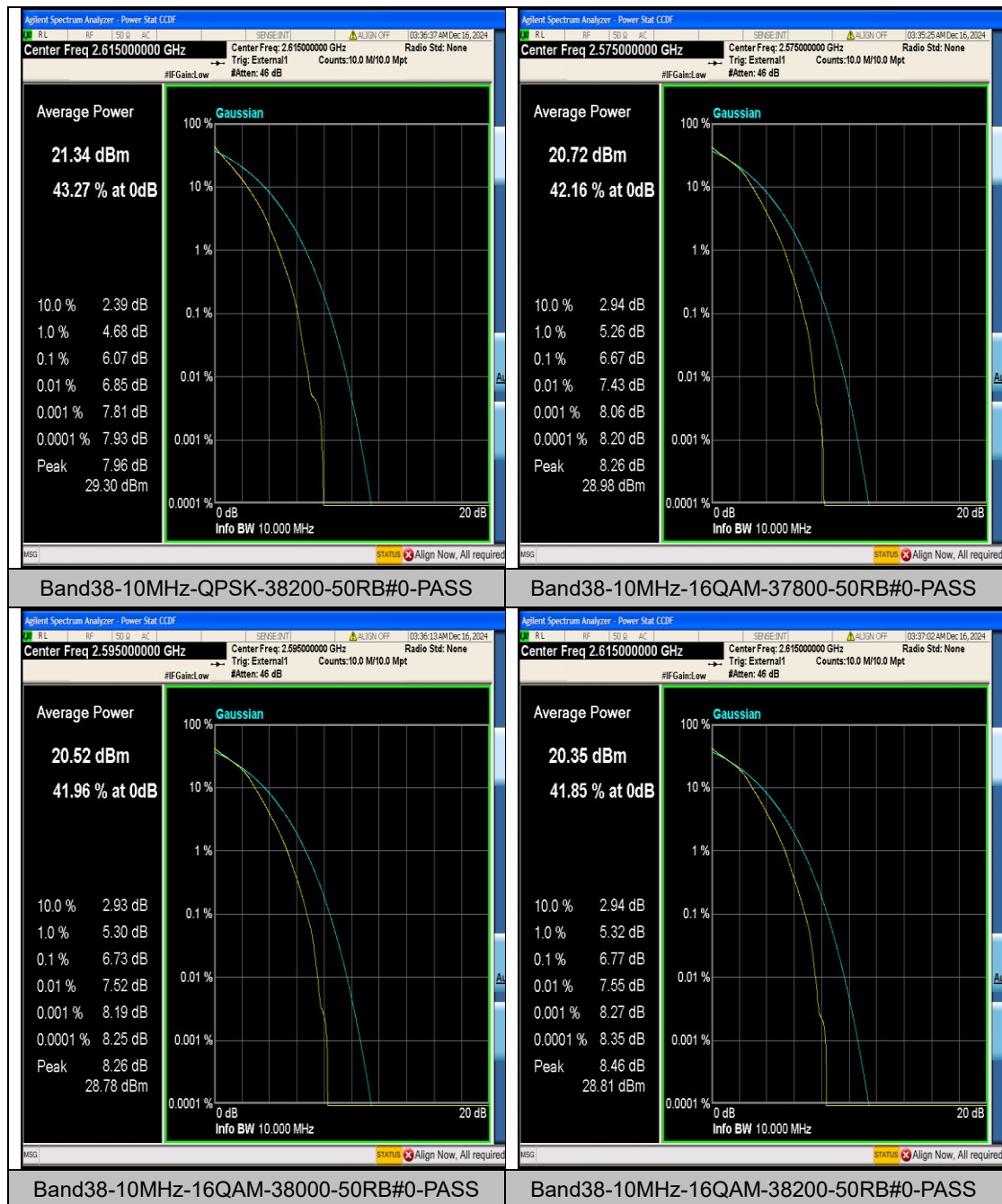
Test Result

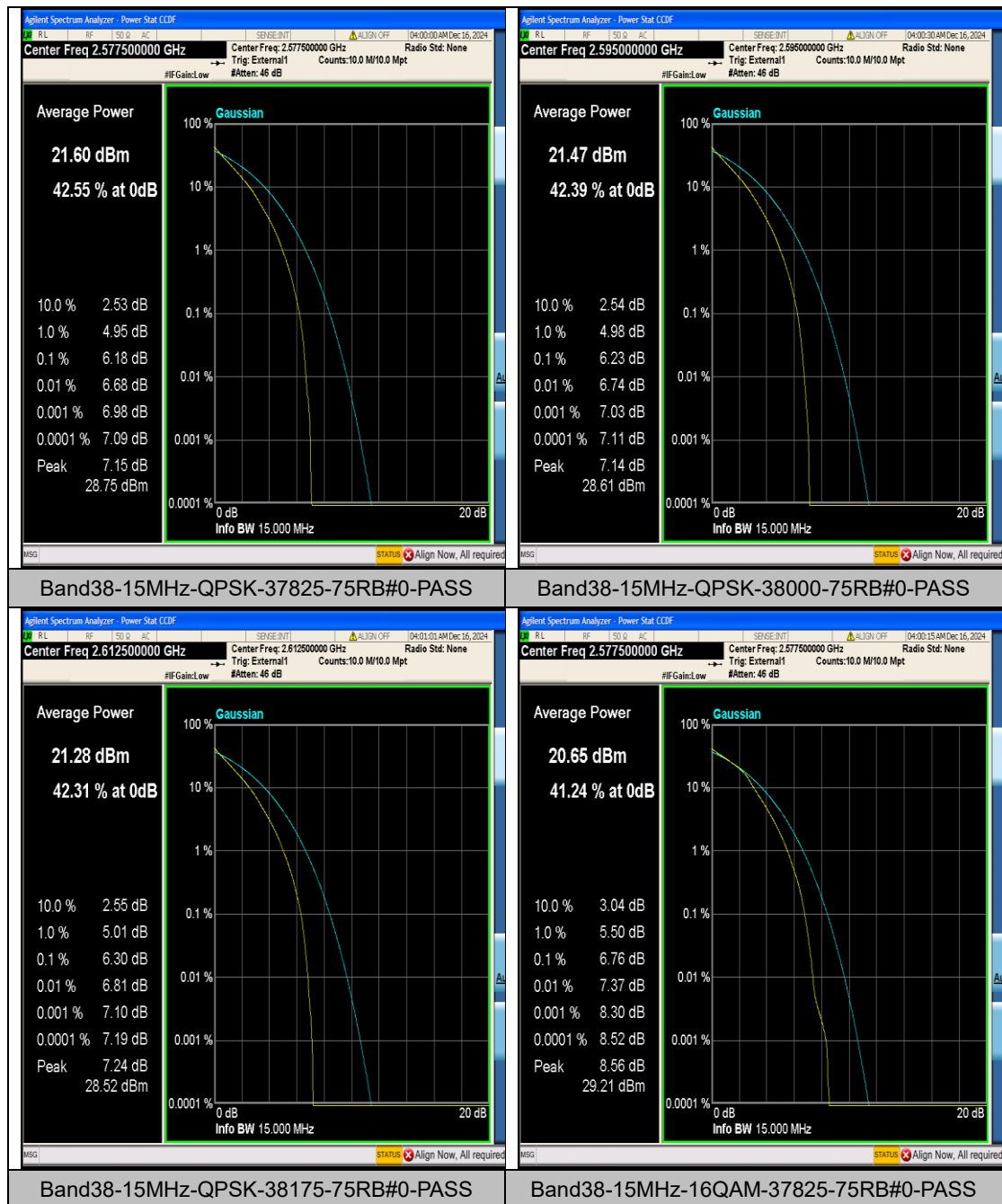
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	5.94	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	5.98	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	6.14	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	6.68	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	6.70	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	6.77	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	5.94	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	5.93	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	6.07	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	6.67	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	6.73	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	6.77	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	6.18	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	6.23	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	6.30	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	6.76	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	6.80	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	6.86	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	5.86	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	5.88	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	5.88	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	6.65	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	6.71	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	6.73	13	PASS

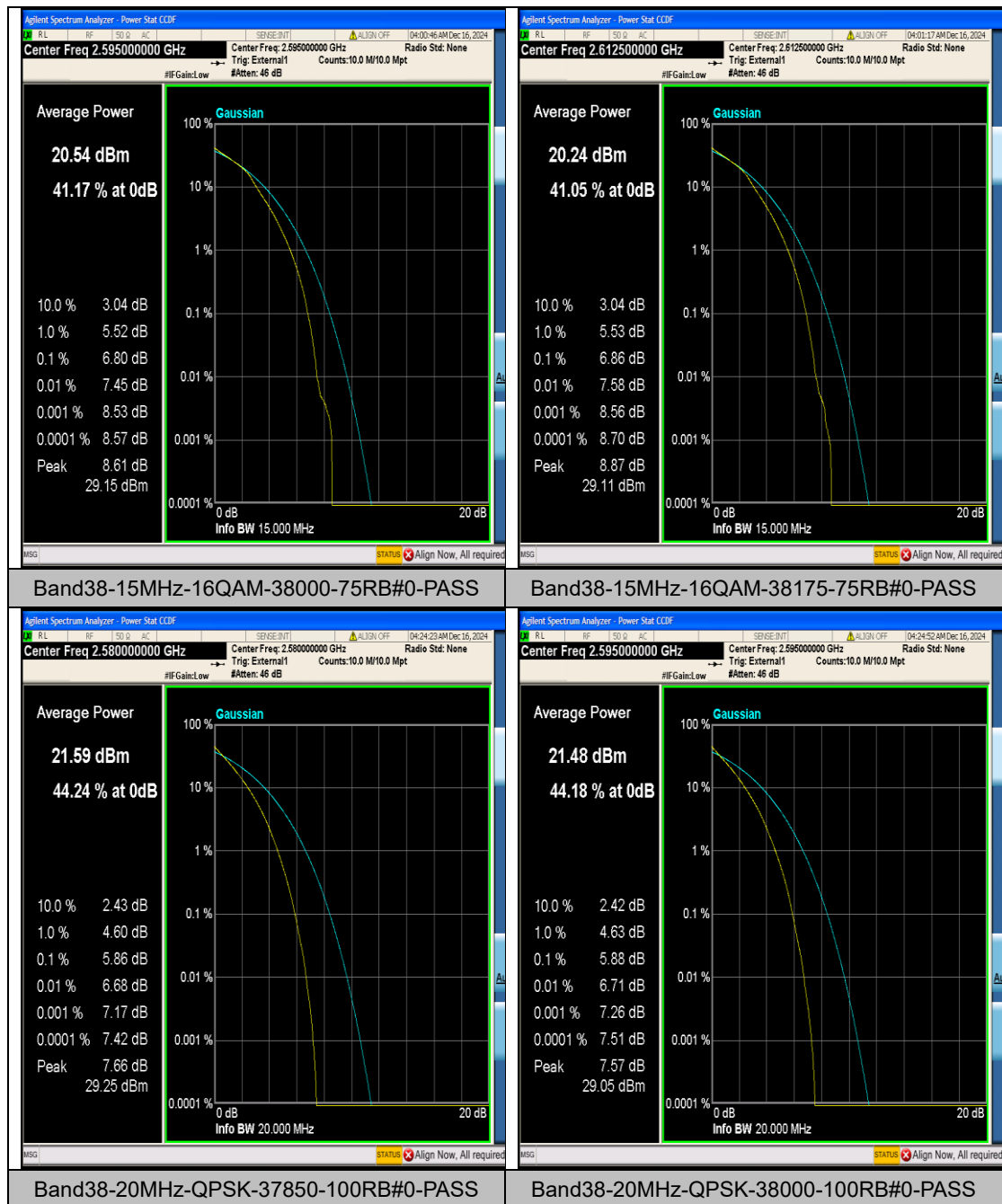
Test Graphs

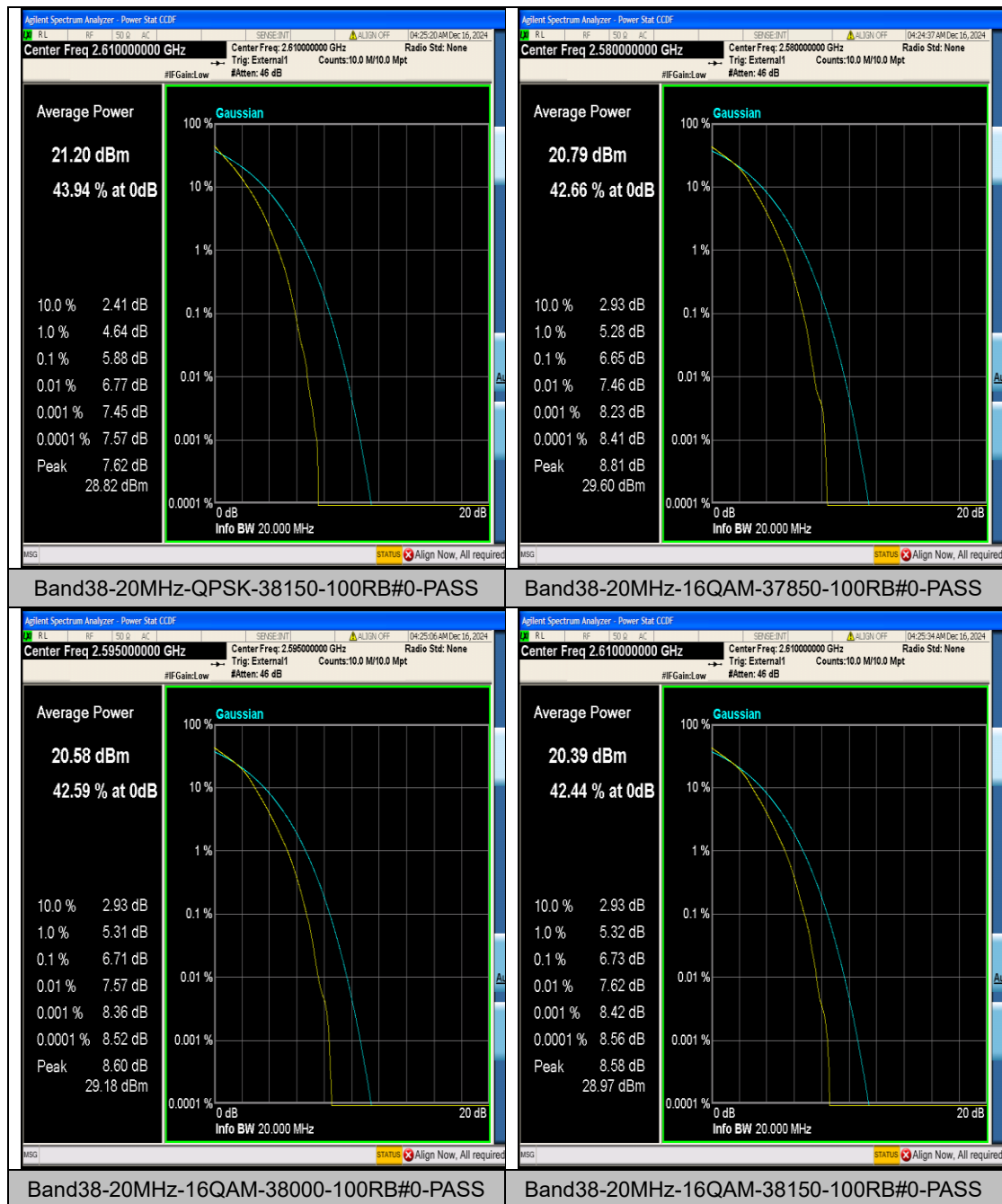










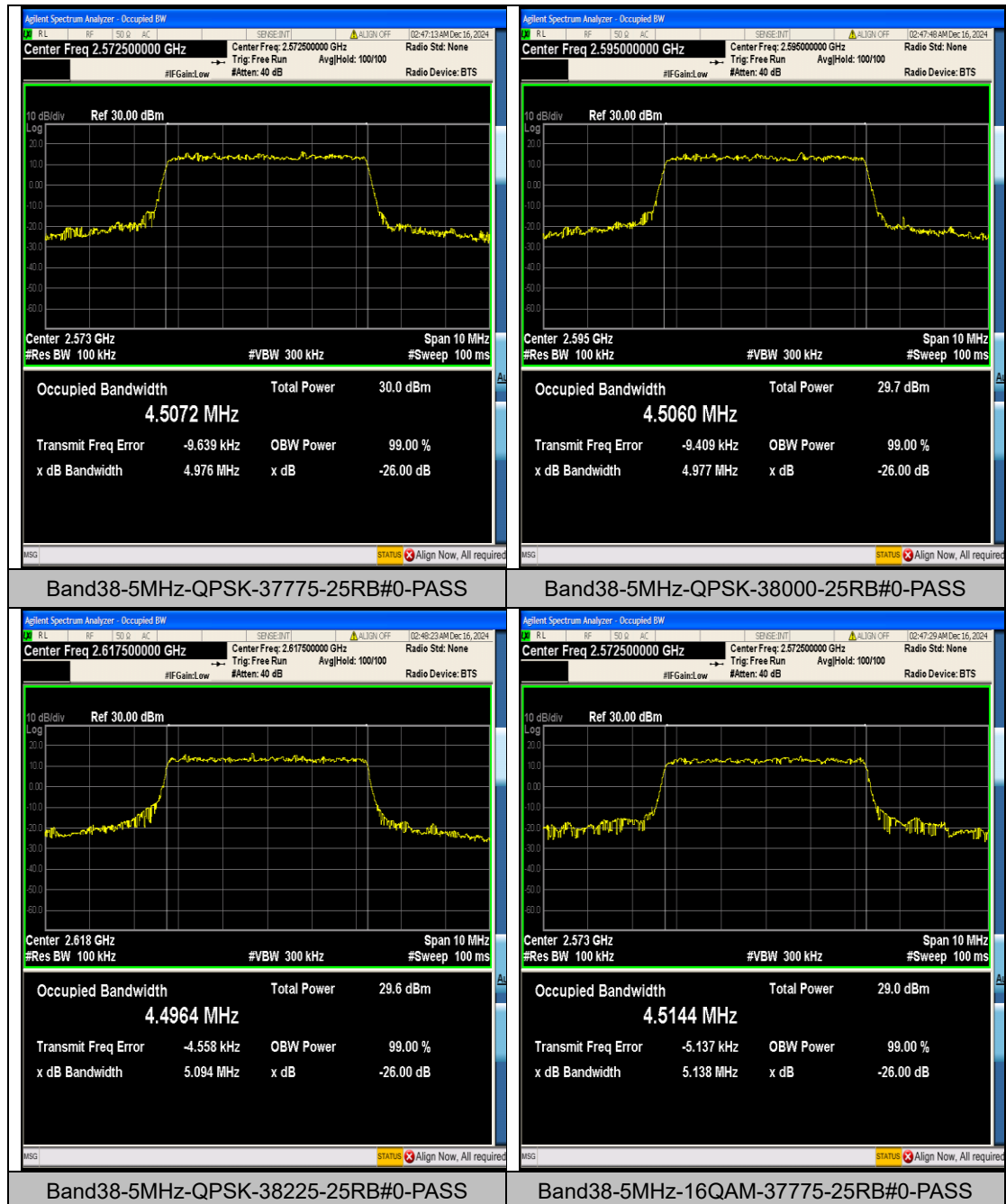


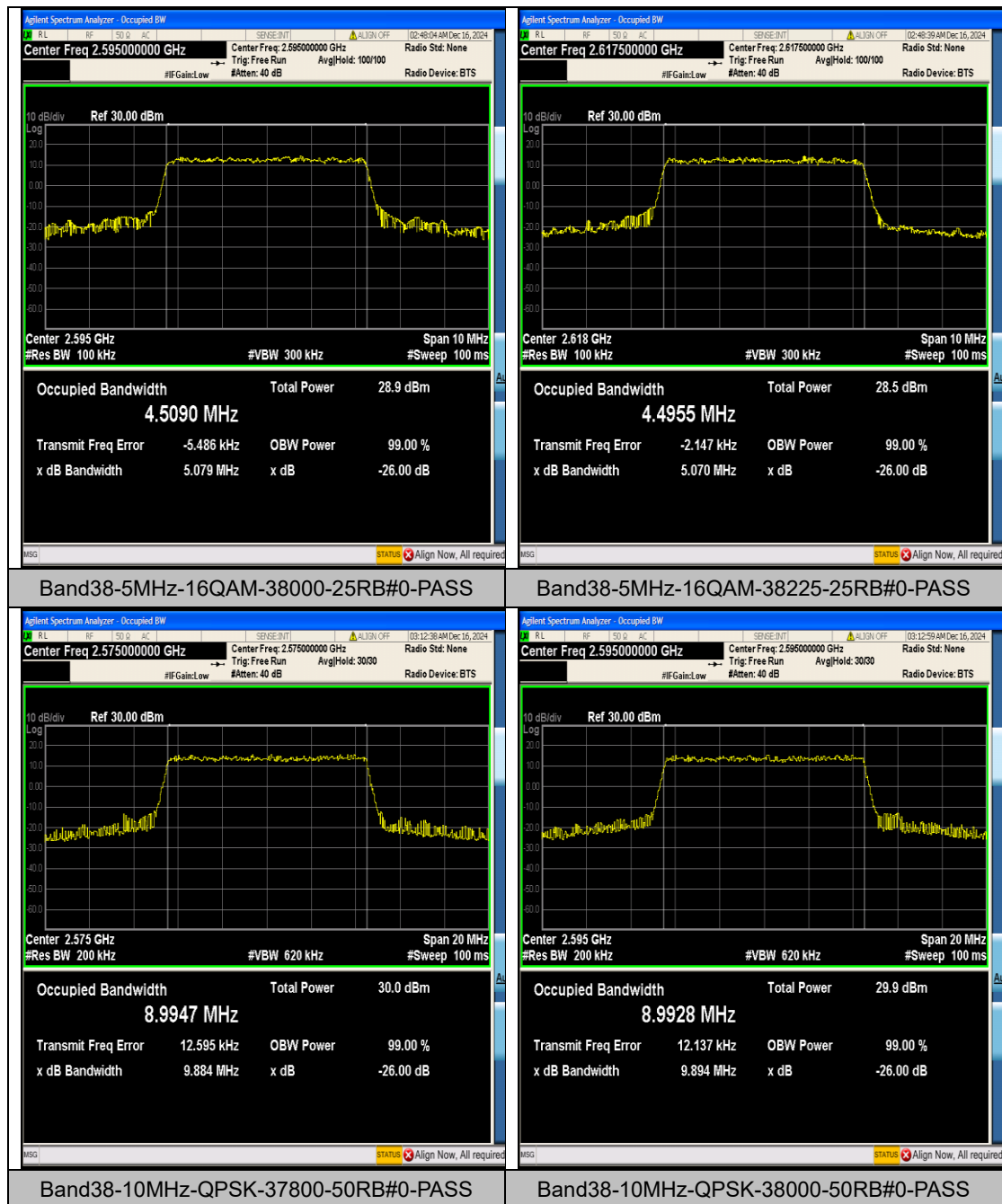
Appendix C: 26dB Bandwidth and Occupied Bandwidth

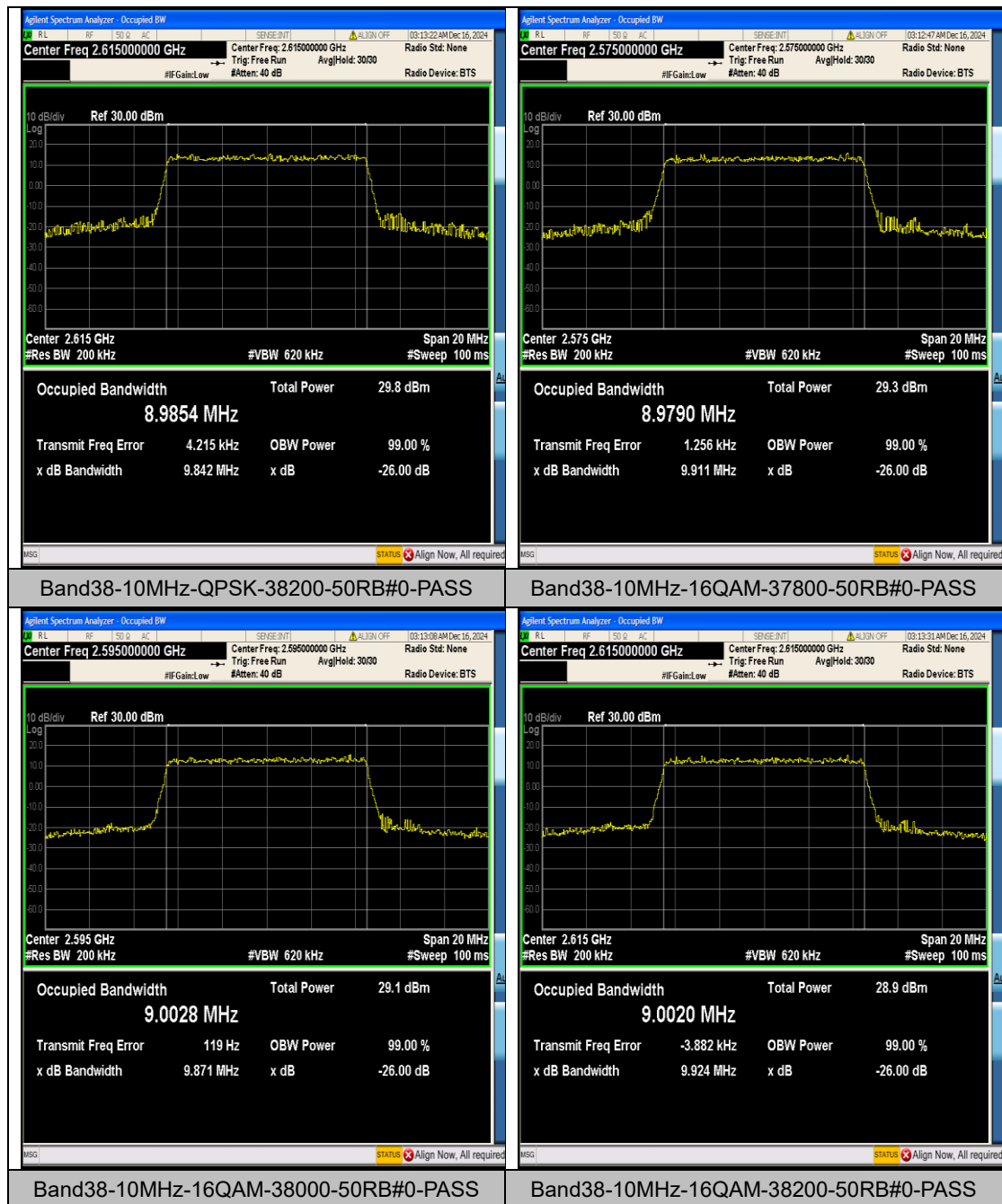
Test Result

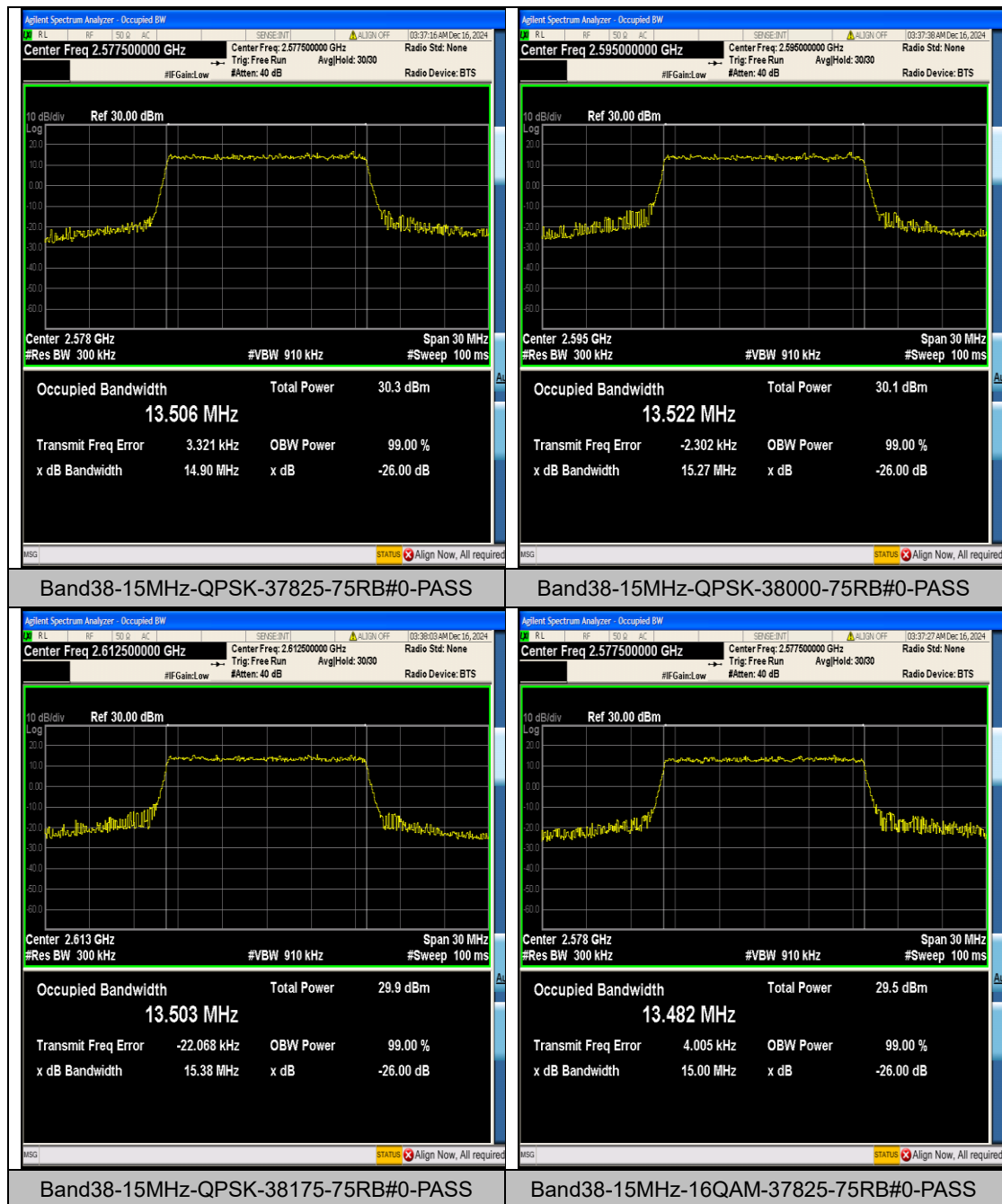
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.5072	4.976	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5060	4.977	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4964	5.094	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.5144	5.138	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.5090	5.079	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4955	5.070	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9947	9.884	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9928	9.894	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9854	9.842	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9790	9.911	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.0028	9.871	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.0020	9.924	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.506	14.90	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.522	15.27	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.503	15.38	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.482	15.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.506	15.19	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.499	15.12	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.992	19.88	PASS
Band38	20MHz	QPSK	38000	100RB#0	18.019	19.64	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.994	19.75	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.977	19.68	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.976	19.84	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.944	19.74	PASS

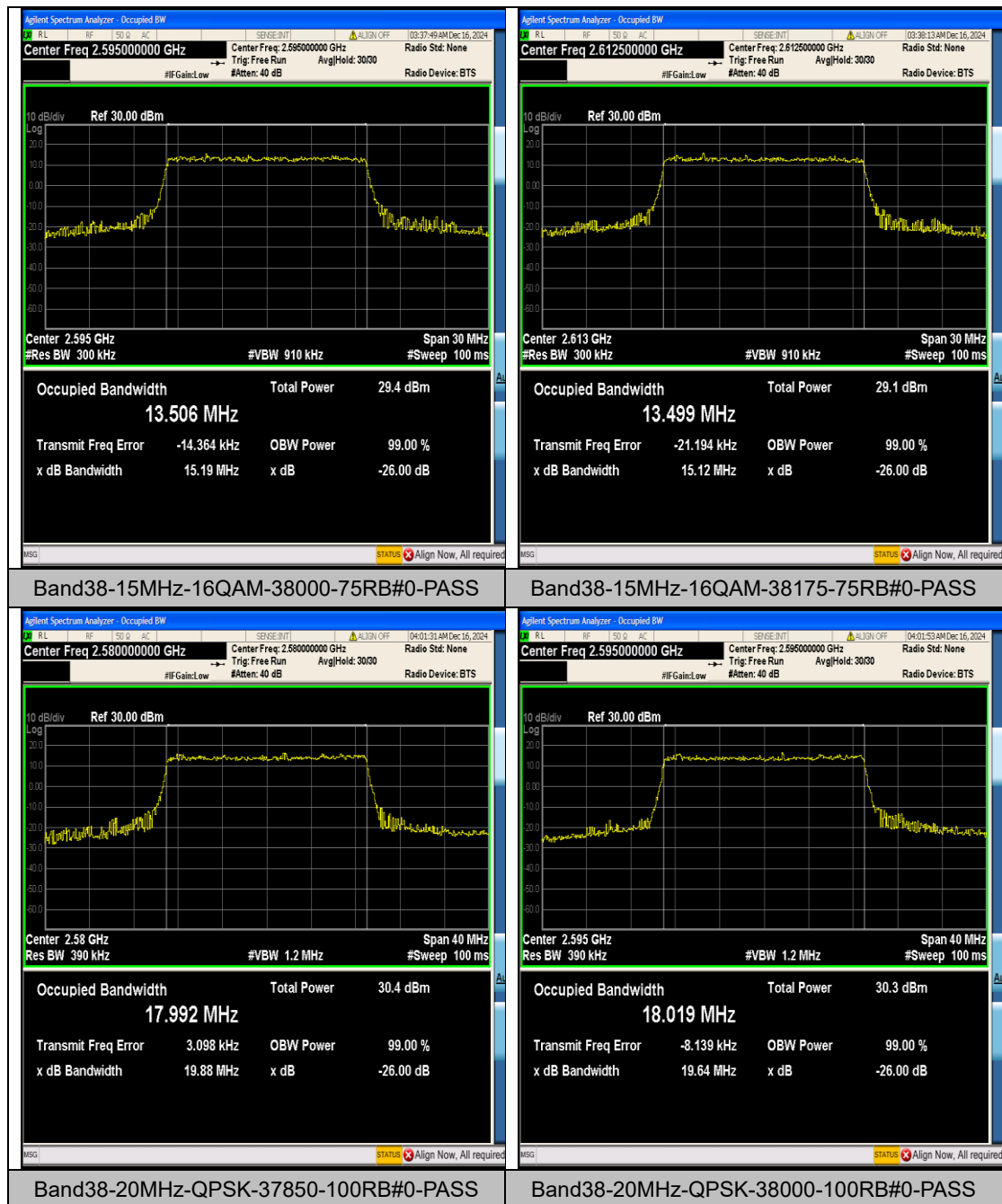
Test Graphs

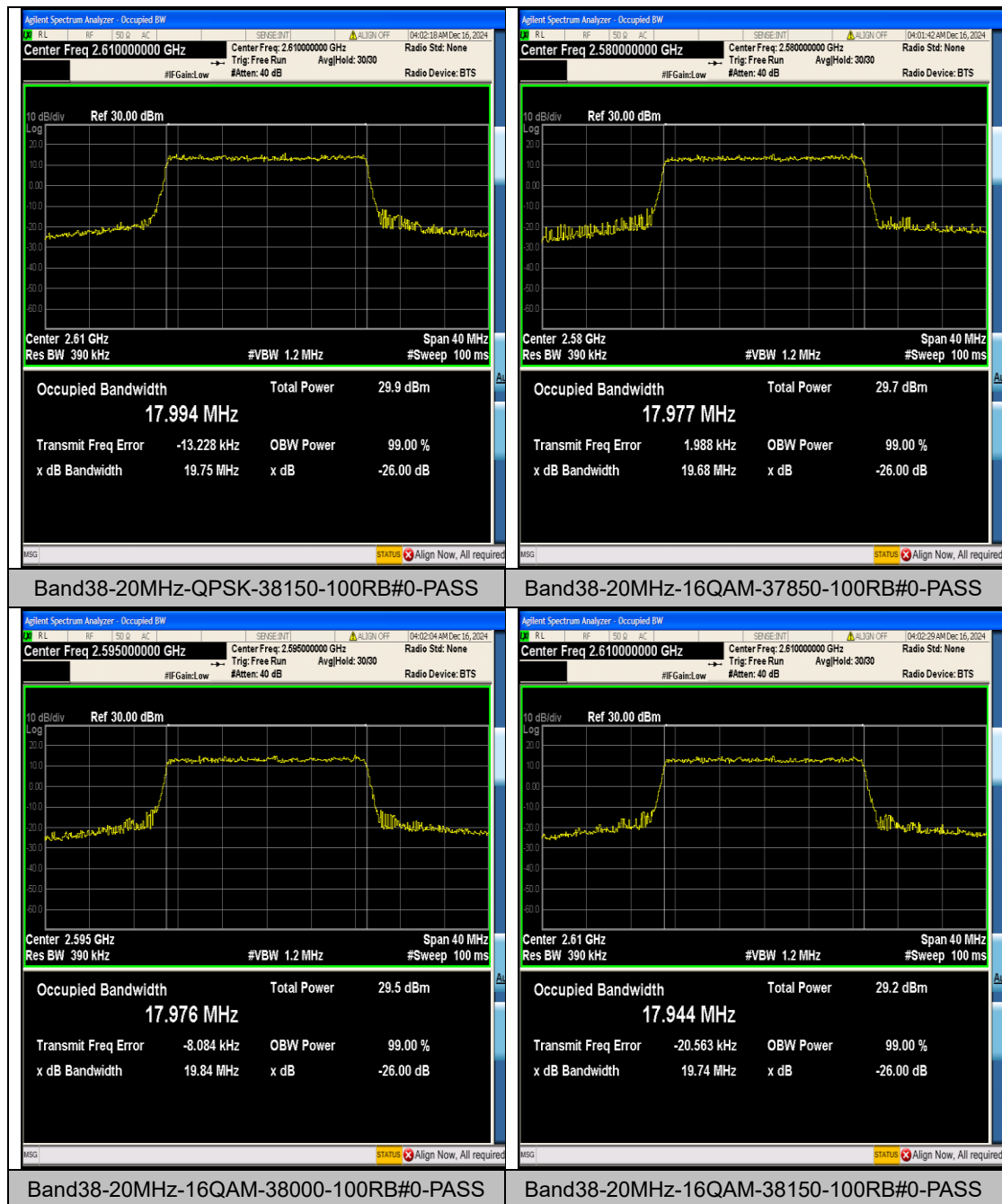










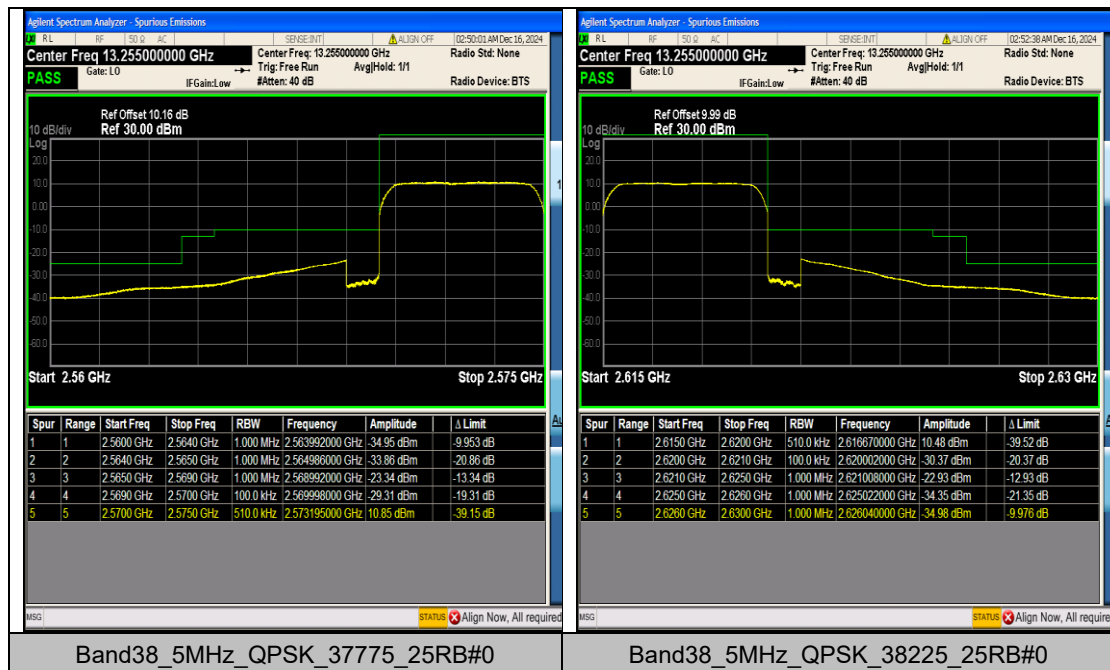


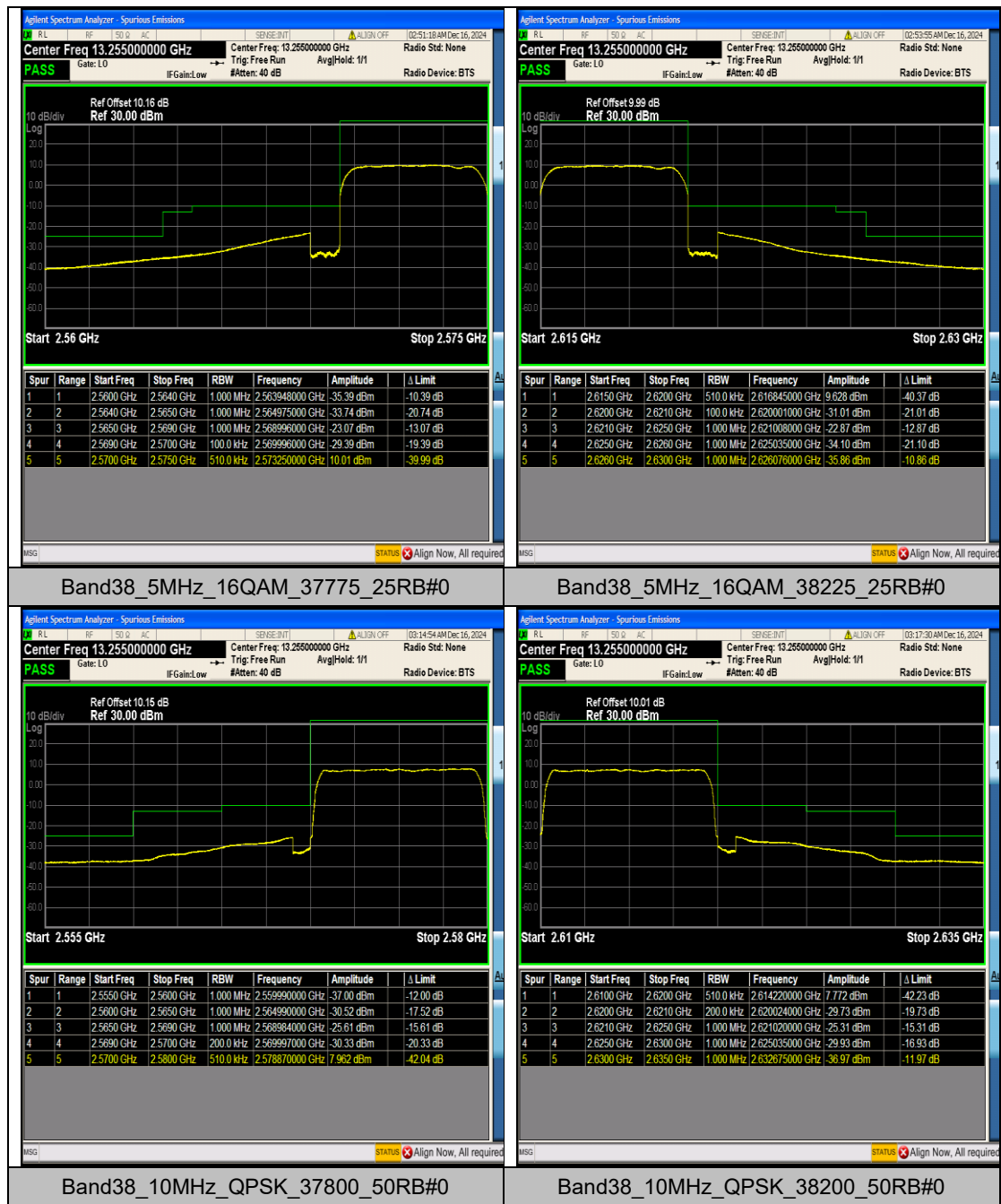
Appendix D: Band Edge

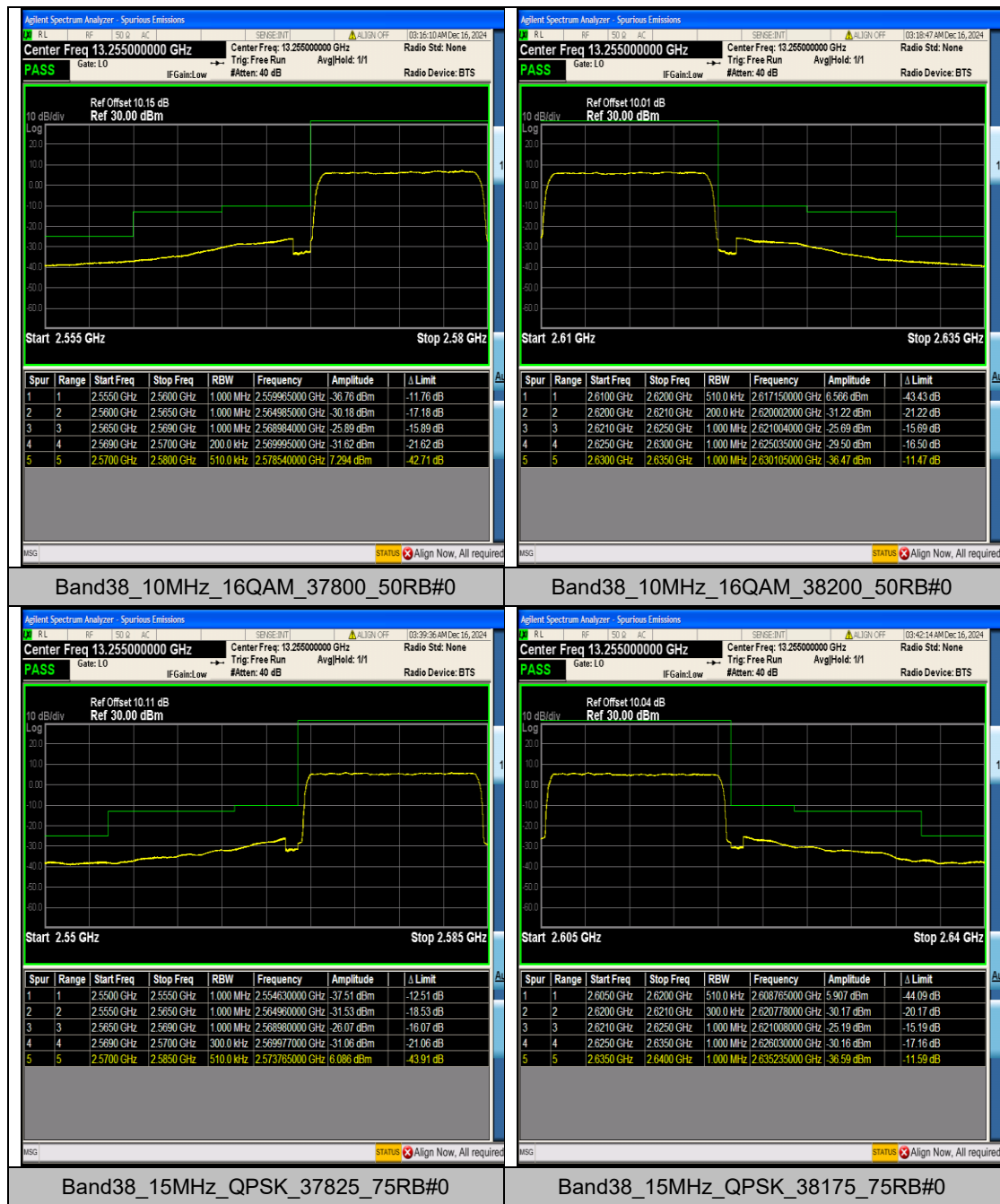
Test Result

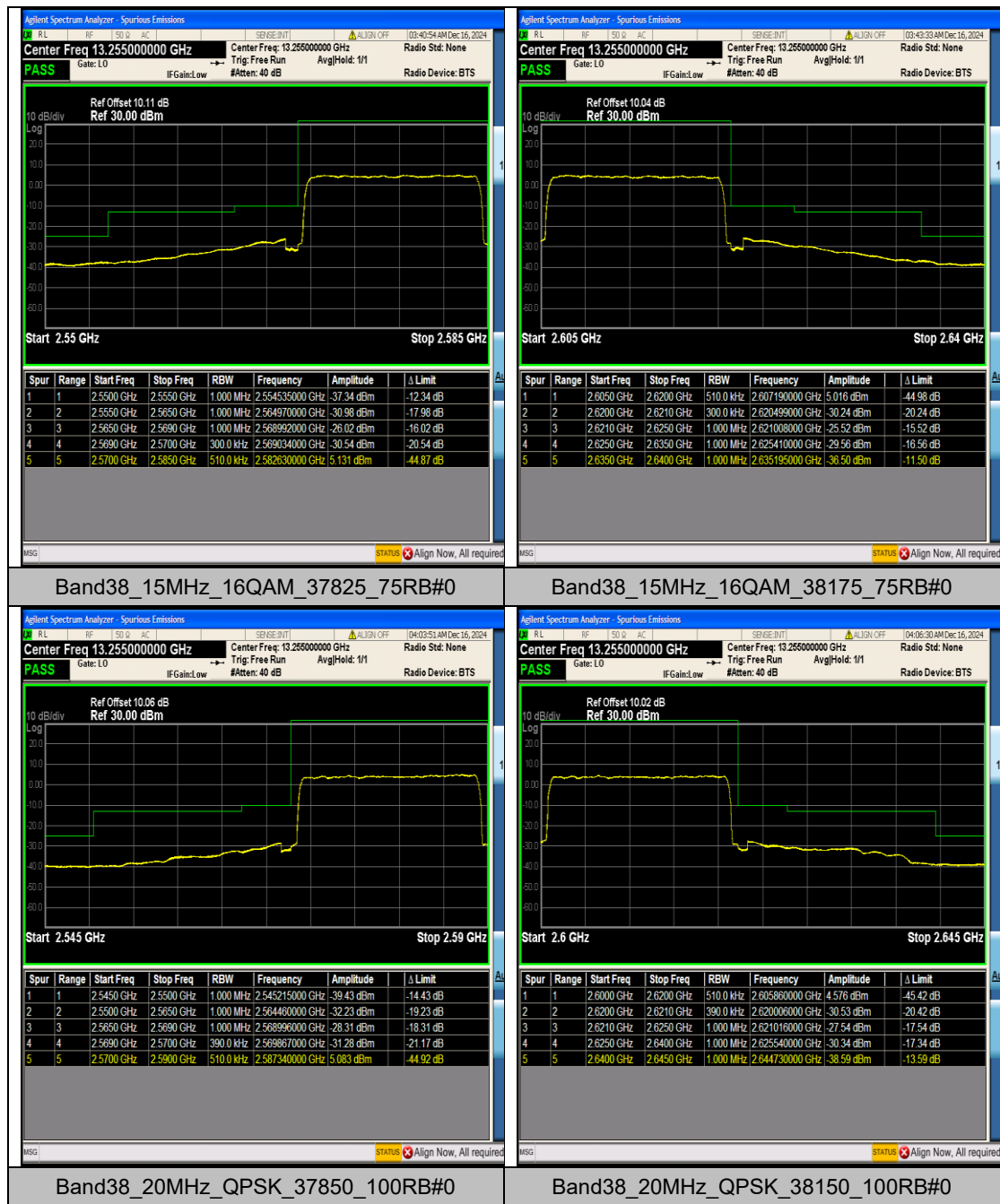
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	-34.95	PASS
Band38	5MHz	QPSK	38225	25RB#0	-34.98	PASS
Band38	5MHz	16QAM	37775	25RB#0	-35.39	PASS
Band38	5MHz	16QAM	38225	25RB#0	-35.86	PASS
Band38	10MHz	QPSK	37800	50RB#0	-37.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	-36.97	PASS
Band38	10MHz	16QAM	37800	50RB#0	-36.76	PASS
Band38	10MHz	16QAM	38200	50RB#0	-36.47	PASS
Band38	15MHz	QPSK	37825	75RB#0	-37.51	PASS
Band38	15MHz	QPSK	38175	75RB#0	-36.59	PASS
Band38	15MHz	16QAM	37825	75RB#0	-37.34	PASS
Band38	15MHz	16QAM	38175	75RB#0	-36.50	PASS
Band38	20MHz	QPSK	37850	100RB#0	-39.43	PASS
Band38	20MHz	QPSK	38150	100RB#0	-38.59	PASS
Band38	20MHz	16QAM	37850	100RB#0	-39.19	PASS
Band38	20MHz	16QAM	38150	100RB#0	-38.34	PASS

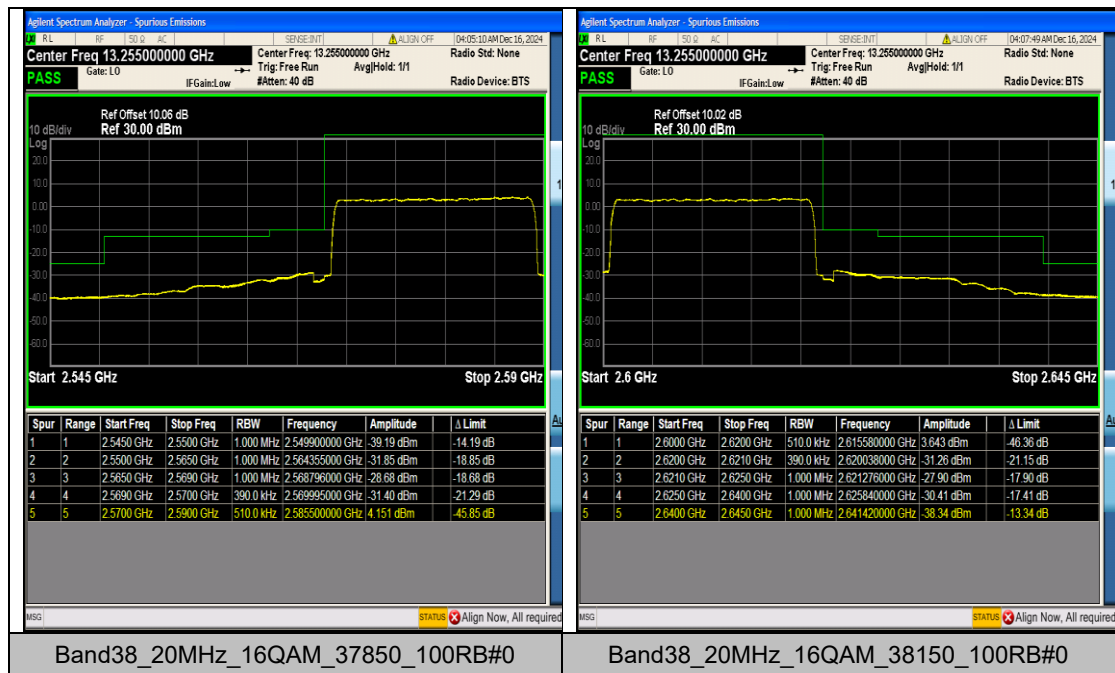
Test Graphs











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	-66.27	PASS
Band38	5MHz	QPSK	37775	25RB#0	0.15~30	-60.77	PASS
Band38	5MHz	QPSK	37775	25RB#0	30~1000	-61.78	PASS
Band38	5MHz	QPSK	37775	25RB#0	1000~20000	-34.35	PASS
Band38	5MHz	QPSK	37775	25RB#0	20000~27000	-32.01	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.009~0.15	-64.62	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.15~30	-61.33	PASS
Band38	5MHz	QPSK	38000	25RB#0	30~1000	-61.57	PASS
Band38	5MHz	QPSK	38000	25RB#0	1000~20000	-35.24	PASS
Band38	5MHz	QPSK	38000	25RB#0	20000~27000	-32.08	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.009~0.15	-63.48	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.15~30	-60.25	PASS
Band38	5MHz	QPSK	38225	25RB#0	30~1000	-62.06	PASS
Band38	5MHz	QPSK	38225	25RB#0	1000~20000	-35.79	PASS
Band38	5MHz	QPSK	38225	25RB#0	20000~27000	-32.20	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.009~0.15	-66.42	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.15~30	-61.15	PASS
Band38	5MHz	16QAM	37775	25RB#0	30~1000	-61.87	PASS
Band38	5MHz	16QAM	37775	25RB#0	1000~20000	-35.44	PASS
Band38	5MHz	16QAM	37775	25RB#0	20000~27000	-32.02	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.009~0.15	-64.26	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.15~30	-61.60	PASS
Band38	5MHz	16QAM	38000	25RB#0	30~1000	-61.85	PASS
Band38	5MHz	16QAM	38000	25RB#0	1000~20000	-36.80	PASS
Band38	5MHz	16QAM	38000	25RB#0	20000~27000	-32.21	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.009~0.15	-65.61	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.15~30	-60.10	PASS
Band38	5MHz	16QAM	38225	25RB#0	30~1000	-61.94	PASS
Band38	5MHz	16QAM	38225	25RB#0	1000~20000	-38.40	PASS
Band38	5MHz	16QAM	38225	25RB#0	20000~27000	-32.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	0.009~0.15	-65.82	PASS
Band38	10MHz	QPSK	37800	50RB#0	0.15~30	-58.49	PASS
Band38	10MHz	QPSK	37800	50RB#0	30~1000	-61.97	PASS
Band38	10MHz	QPSK	37800	50RB#0	1000~20000	-37.43	PASS
Band38	10MHz	QPSK	37800	50RB#0	20000~27000	-31.70	PASS
Band38	10MHz	QPSK	38000	50RB#0	0.009~0.15	-65.97	PASS

Band38	10MHz	QPSK	38000	50RB#0	0.15~30	-57.76	PASS
Band38	10MHz	QPSK	38000	50RB#0	30~1000	-61.41	PASS
Band38	10MHz	QPSK	38000	50RB#0	1000~20000	-38.72	PASS
Band38	10MHz	QPSK	38000	50RB#0	20000~27000	-32.19	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.009~0.15	-63.68	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.15~30	-57.30	PASS
Band38	10MHz	QPSK	38200	50RB#0	30~1000	-61.74	PASS
Band38	10MHz	QPSK	38200	50RB#0	1000~20000	-37.55	PASS
Band38	10MHz	QPSK	38200	50RB#0	20000~27000	-32.21	PASS
Band38	10MHz	16QAM	37800	50RB#0	0.009~0.15	-67.15	PASS
Band38	10MHz	16QAM	37800	50RB#0	0.15~30	-58.95	PASS
Band38	10MHz	16QAM	37800	50RB#0	30~1000	-61.52	PASS
Band38	10MHz	16QAM	37800	50RB#0	1000~20000	-38.81	PASS
Band38	10MHz	16QAM	37800	50RB#0	20000~27000	-32.09	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.009~0.15	-64.61	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.15~30	-59.18	PASS
Band38	10MHz	16QAM	38000	50RB#0	30~1000	-61.94	PASS
Band38	10MHz	16QAM	38000	50RB#0	1000~20000	-38.43	PASS
Band38	10MHz	16QAM	38000	50RB#0	20000~27000	-31.94	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.009~0.15	-65.04	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.15~30	-55.57	PASS
Band38	10MHz	16QAM	38200	50RB#0	30~1000	-62.13	PASS
Band38	10MHz	16QAM	38200	50RB#0	1000~20000	-38.39	PASS
Band38	10MHz	16QAM	38200	50RB#0	20000~27000	-31.87	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.009~0.15	-61.39	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.15~30	-57.02	PASS
Band38	15MHz	QPSK	37825	75RB#0	30~1000	-61.60	PASS
Band38	15MHz	QPSK	37825	75RB#0	1000~20000	-36.79	PASS
Band38	15MHz	QPSK	37825	75RB#0	20000~27000	-32.06	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.009~0.15	-63.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.15~30	-60.43	PASS
Band38	15MHz	QPSK	38000	75RB#0	30~1000	-61.82	PASS
Band38	15MHz	QPSK	38000	75RB#0	1000~20000	-38.56	PASS
Band38	15MHz	QPSK	38000	75RB#0	20000~27000	-32.17	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.009~0.15	-61.05	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.15~30	-59.46	PASS
Band38	15MHz	QPSK	38175	75RB#0	30~1000	-62.19	PASS
Band38	15MHz	QPSK	38175	75RB#0	1000~20000	-37.07	PASS
Band38	15MHz	QPSK	38175	75RB#0	20000~27000	-31.78	PASS
Band38	15MHz	16QAM	37825	75RB#0	0.009~0.15	-62.74	PASS
Band38	15MHz	16QAM	37825	75RB#0	0.15~30	-58.25	PASS
Band38	15MHz	16QAM	37825	75RB#0	30~1000	-61.72	PASS
Band38	15MHz	16QAM	37825	75RB#0	1000~20000	-38.67	PASS

Band38	15MHz	16QAM	37825	75RB#0	20000~27000	-31.95	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.009~0.15	-62.21	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.15~30	-60.15	PASS
Band38	15MHz	16QAM	38000	75RB#0	30~1000	-62.24	PASS
Band38	15MHz	16QAM	38000	75RB#0	1000~20000	-38.07	PASS
Band38	15MHz	16QAM	38000	75RB#0	20000~27000	-32.06	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.009~0.15	-62.95	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.15~30	-61.89	PASS
Band38	15MHz	16QAM	38175	75RB#0	30~1000	-61.85	PASS
Band38	15MHz	16QAM	38175	75RB#0	1000~20000	-38.71	PASS
Band38	15MHz	16QAM	38175	75RB#0	20000~27000	-31.86	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.009~0.15	-67.55	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.15~30	-61.40	PASS
Band38	20MHz	QPSK	37850	100RB#0	30~1000	-61.61	PASS
Band38	20MHz	QPSK	37850	100RB#0	1000~20000	-38.43	PASS
Band38	20MHz	QPSK	37850	100RB#0	20000~27000	-31.88	PASS
Band38	20MHz	QPSK	38000	100RB#0	0.009~0.15	-67.50	PASS
Band38	20MHz	QPSK	38000	100RB#0	0.15~30	-63.28	PASS
Band38	20MHz	QPSK	38000	100RB#0	30~1000	-61.77	PASS
Band38	20MHz	QPSK	38000	100RB#0	1000~20000	-38.35	PASS
Band38	20MHz	QPSK	38000	100RB#0	20000~27000	-32.18	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.009~0.15	-67.57	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.15~30	-61.45	PASS
Band38	20MHz	QPSK	38150	100RB#0	30~1000	-61.58	PASS
Band38	20MHz	QPSK	38150	100RB#0	1000~20000	-38.76	PASS
Band38	20MHz	QPSK	38150	100RB#0	20000~27000	-31.92	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.009~0.15	-69.28	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.15~30	-61.10	PASS
Band38	20MHz	16QAM	37850	100RB#0	30~1000	-62.06	PASS
Band38	20MHz	16QAM	37850	100RB#0	1000~20000	-38.21	PASS
Band38	20MHz	16QAM	37850	100RB#0	20000~27000	-32.04	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.009~0.15	-67.79	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.15~30	-64.86	PASS
Band38	20MHz	16QAM	38000	100RB#0	30~1000	-62.01	PASS
Band38	20MHz	16QAM	38000	100RB#0	1000~20000	-38.54	PASS
Band38	20MHz	16QAM	38000	100RB#0	20000~27000	-32.16	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.009~0.15	-69.25	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.15~30	-63.35	PASS
Band38	20MHz	16QAM	38150	100RB#0	30~1000	-61.94	PASS
Band38	20MHz	16QAM	38150	100RB#0	1000~20000	-38.65	PASS
Band38	20MHz	16QAM	38150	100RB#0	20000~27000	-32.10	PASS

Test Graphs

