

Appendix for Band 38

Product Name: 5G CPE

Model No: C150

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	23.38	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.73	PASS
Band38	5MHz	QPSK	37775	1RB#12	23.42	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.77	PASS
Band38	5MHz	QPSK	37775	1RB#24	23.37	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.73	PASS
Band38	5MHz	QPSK	37775	12RB#0	22.56	PASS
Band38	5MHz	16QAM	37775	12RB#0	21.57	PASS
Band38	5MHz	QPSK	37775	12RB#6	22.52	PASS
Band38	5MHz	16QAM	37775	12RB#6	21.63	PASS
Band38	5MHz	QPSK	37775	12RB#13	22.58	PASS
Band38	5MHz	16QAM	37775	12RB#13	21.62	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.60	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.63	PASS
Band38	5MHz	QPSK	38000	1RB#0	23.21	PASS
Band38	5MHz	16QAM	38000	1RB#0	22.58	PASS
Band38	5MHz	QPSK	38000	1RB#12	23.11	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.58	PASS
Band38	5MHz	QPSK	38000	1RB#24	23.07	PASS
Band38	5MHz	16QAM	38000	1RB#24	22.48	PASS
Band38	5MHz	QPSK	38000	12RB#0	22.30	PASS
Band38	5MHz	16QAM	38000	12RB#0	21.24	PASS
Band38	5MHz	QPSK	38000	12RB#6	22.26	PASS
Band38	5MHz	16QAM	38000	12RB#6	21.23	PASS
Band38	5MHz	QPSK	38000	12RB#13	22.15	PASS
Band38	5MHz	16QAM	38000	12RB#13	21.11	PASS
Band38	5MHz	QPSK	38000	25RB#0	22.14	PASS
Band38	5MHz	16QAM	38000	25RB#0	21.16	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.53	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.83	PASS
Band38	5MHz	QPSK	38225	1RB#12	22.60	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.85	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.39	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.80	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.66	PASS

Band38	5MHz	16QAM	38225	12RB#0	20.72	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.62	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.70	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.69	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.65	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.66	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.63	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.70	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.90	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.69	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.81	PASS
Band38	10MHz	QPSK	37800	1RB#49	23.54	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.86	PASS
Band38	10MHz	QPSK	37800	25RB#0	22.71	PASS
Band38	10MHz	16QAM	37800	25RB#0	21.74	PASS
Band38	10MHz	QPSK	37800	25RB#12	22.65	PASS
Band38	10MHz	16QAM	37800	25RB#12	21.77	PASS
Band38	10MHz	QPSK	37800	25RB#25	22.53	PASS
Band38	10MHz	16QAM	37800	25RB#25	21.65	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.59	PASS
Band38	10MHz	16QAM	37800	50RB#0	21.61	PASS
Band38	10MHz	QPSK	38000	1RB#0	23.24	PASS
Band38	10MHz	16QAM	38000	1RB#0	22.52	PASS
Band38	10MHz	QPSK	38000	1RB#24	23.11	PASS
Band38	10MHz	16QAM	38000	1RB#24	22.40	PASS
Band38	10MHz	QPSK	38000	1RB#49	23.03	PASS
Band38	10MHz	16QAM	38000	1RB#49	22.34	PASS
Band38	10MHz	QPSK	38000	25RB#0	22.35	PASS
Band38	10MHz	16QAM	38000	25RB#0	21.40	PASS
Band38	10MHz	QPSK	38000	25RB#12	22.40	PASS
Band38	10MHz	16QAM	38000	25RB#12	21.40	PASS
Band38	10MHz	QPSK	38000	25RB#25	22.23	PASS
Band38	10MHz	16QAM	38000	25RB#25	21.25	PASS
Band38	10MHz	QPSK	38000	50RB#0	22.22	PASS
Band38	10MHz	16QAM	38000	50RB#0	21.21	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.84	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.47	PASS
Band38	10MHz	QPSK	38200	1RB#24	22.64	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.16	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.59	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.19	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.77	PASS

Band38	10MHz	16QAM	38200	25RB#0	20.76	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.78	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.76	PASS
Band38	10MHz	QPSK	38200	25RB#25	21.70	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.62	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.77	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.74	PASS
Band38	15MHz	QPSK	37825	1RB#0	23.62	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.83	PASS
Band38	15MHz	QPSK	37825	1RB#38	23.53	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.72	PASS
Band38	15MHz	QPSK	37825	1RB#74	23.32	PASS
Band38	15MHz	16QAM	37825	1RB#74	22.67	PASS
Band38	15MHz	QPSK	37825	38RB#0	22.57	PASS
Band38	15MHz	16QAM	37825	38RB#0	22.54	PASS
Band38	15MHz	QPSK	37825	38RB#18	22.54	PASS
Band38	15MHz	16QAM	37825	38RB#18	22.54	PASS
Band38	15MHz	QPSK	37825	38RB#37	22.56	PASS
Band38	15MHz	16QAM	37825	38RB#37	22.54	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.54	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.54	PASS
Band38	15MHz	QPSK	38000	1RB#0	23.45	PASS
Band38	15MHz	16QAM	38000	1RB#0	22.16	PASS
Band38	15MHz	QPSK	38000	1RB#38	23.22	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.05	PASS
Band38	15MHz	QPSK	38000	1RB#74	23.02	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.78	PASS
Band38	15MHz	QPSK	38000	38RB#0	22.29	PASS
Band38	15MHz	16QAM	38000	38RB#0	22.24	PASS
Band38	15MHz	QPSK	38000	38RB#18	22.23	PASS
Band38	15MHz	16QAM	38000	38RB#18	22.25	PASS
Band38	15MHz	QPSK	38000	38RB#37	22.23	PASS
Band38	15MHz	16QAM	38000	38RB#37	22.23	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.25	PASS
Band38	15MHz	16QAM	38000	75RB#0	21.36	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.89	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.99	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.65	PASS
Band38	15MHz	16QAM	38175	1RB#38	21.74	PASS
Band38	15MHz	QPSK	38175	1RB#74	22.50	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.60	PASS
Band38	15MHz	QPSK	38175	38RB#0	21.83	PASS

Band38	15MHz	16QAM	38175	38RB#0	21.84	PASS
Band38	15MHz	QPSK	38175	38RB#18	21.73	PASS
Band38	15MHz	16QAM	38175	38RB#18	21.85	PASS
Band38	15MHz	QPSK	38175	38RB#37	21.82	PASS
Band38	15MHz	16QAM	38175	38RB#37	21.85	PASS
Band38	15MHz	QPSK	38175	75RB#0	21.85	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.75	PASS
Band38	20MHz	QPSK	37850	1RB#0	23.60	PASS
Band38	20MHz	16QAM	37850	1RB#0	22.76	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.71	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.59	PASS
Band38	20MHz	QPSK	37850	1RB#99	23.36	PASS
Band38	20MHz	16QAM	37850	1RB#99	22.43	PASS
Band38	20MHz	QPSK	37850	50RB#0	22.66	PASS
Band38	20MHz	16QAM	37850	50RB#0	21.68	PASS
Band38	20MHz	QPSK	37850	50RB#25	22.67	PASS
Band38	20MHz	16QAM	37850	50RB#25	21.67	PASS
Band38	20MHz	QPSK	37850	50RB#50	22.51	PASS
Band38	20MHz	16QAM	37850	50RB#50	21.54	PASS
Band38	20MHz	QPSK	37850	100RB#0	22.58	PASS
Band38	20MHz	16QAM	37850	100RB#0	21.59	PASS
Band38	20MHz	QPSK	38000	1RB#0	23.29	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.98	PASS
Band38	20MHz	QPSK	38000	1RB#49	22.97	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.65	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.86	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.51	PASS
Band38	20MHz	QPSK	38000	50RB#0	22.40	PASS
Band38	20MHz	16QAM	38000	50RB#0	21.48	PASS
Band38	20MHz	QPSK	38000	50RB#25	22.46	PASS
Band38	20MHz	16QAM	38000	50RB#25	21.49	PASS
Band38	20MHz	QPSK	38000	50RB#50	22.17	PASS
Band38	20MHz	16QAM	38000	50RB#50	21.19	PASS
Band38	20MHz	QPSK	38000	100RB#0	22.27	PASS
Band38	20MHz	16QAM	38000	100RB#0	21.32	PASS
Band38	20MHz	QPSK	38150	1RB#0	23.09	PASS
Band38	20MHz	16QAM	38150	1RB#0	21.69	PASS
Band38	20MHz	QPSK	38150	1RB#49	22.90	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.44	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.55	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.22	PASS
Band38	20MHz	QPSK	38150	50RB#0	22.03	PASS

Band38	20MHz	16QAM	38150	50RB#0	21.04	PASS
Band38	20MHz	QPSK	38150	50RB#25	22.01	PASS
Band38	20MHz	16QAM	38150	50RB#25	21.04	PASS
Band38	20MHz	QPSK	38150	50RB#50	21.61	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.59	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.91	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.92	PASS

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

Test Result

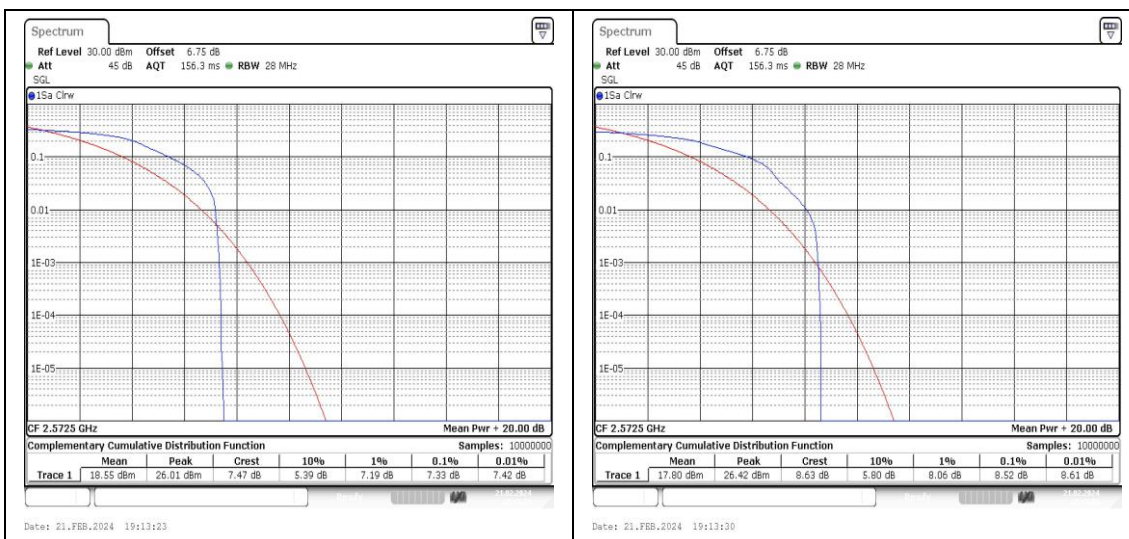
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	7.33	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	8.52	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	8.38	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	9.28	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	7.54	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	8.78	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	8.75	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	9.51	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	7.68	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	8.99	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	8.87	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	9.68	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	7.19	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	8.55	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.43	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.36	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	7.42	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	9.10	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.61	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.48	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	7.54	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	9.13	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.75	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.65	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	7.25	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	8.72	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	8.70	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	9.51	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	7.42	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	8.84	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	8.84	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	9.65	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	7.45	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	9.10	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	8.93	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	9.71	13	PASS

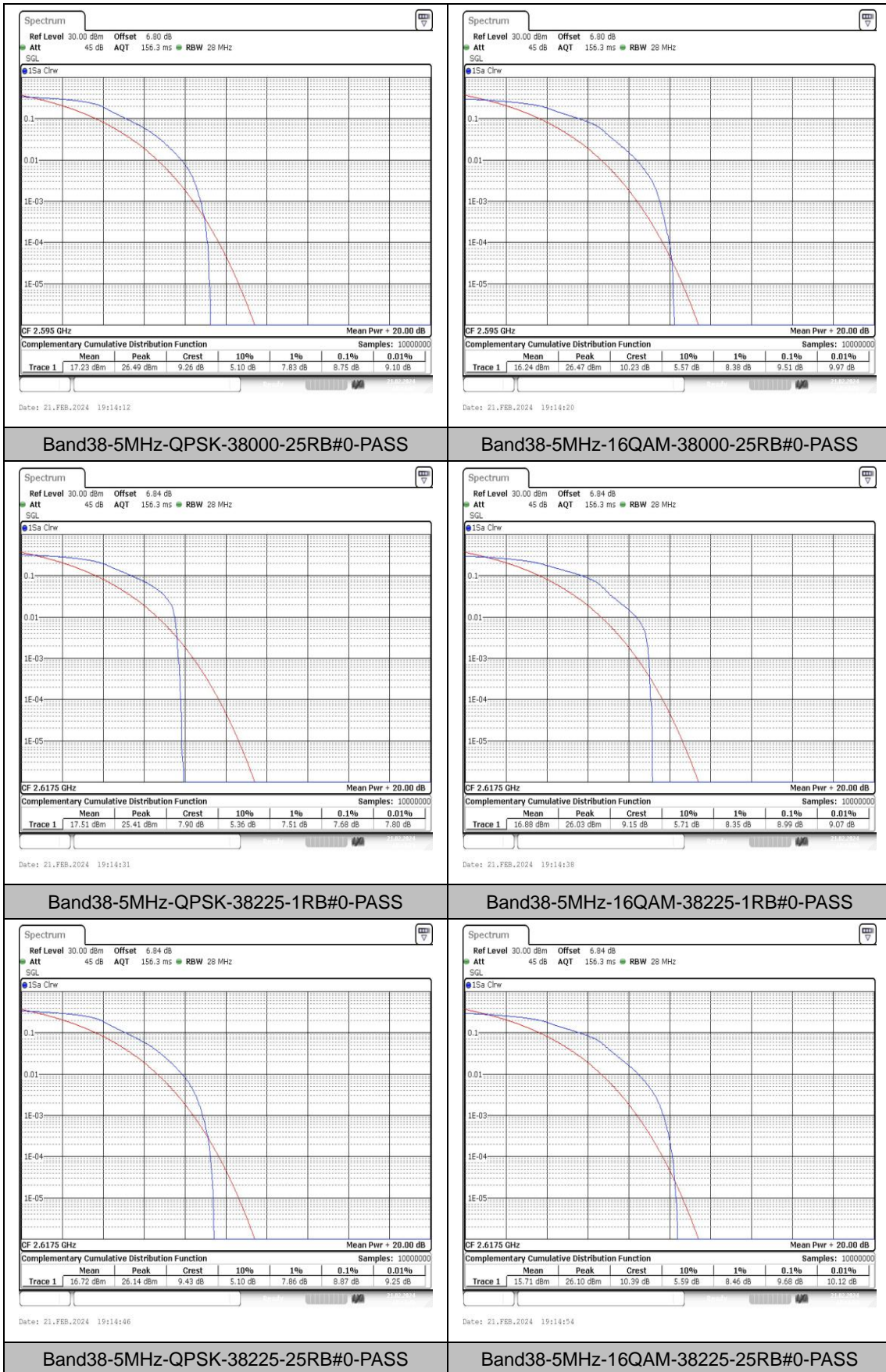
Waltek Testing Group (Shenzhen) Co., Ltd.

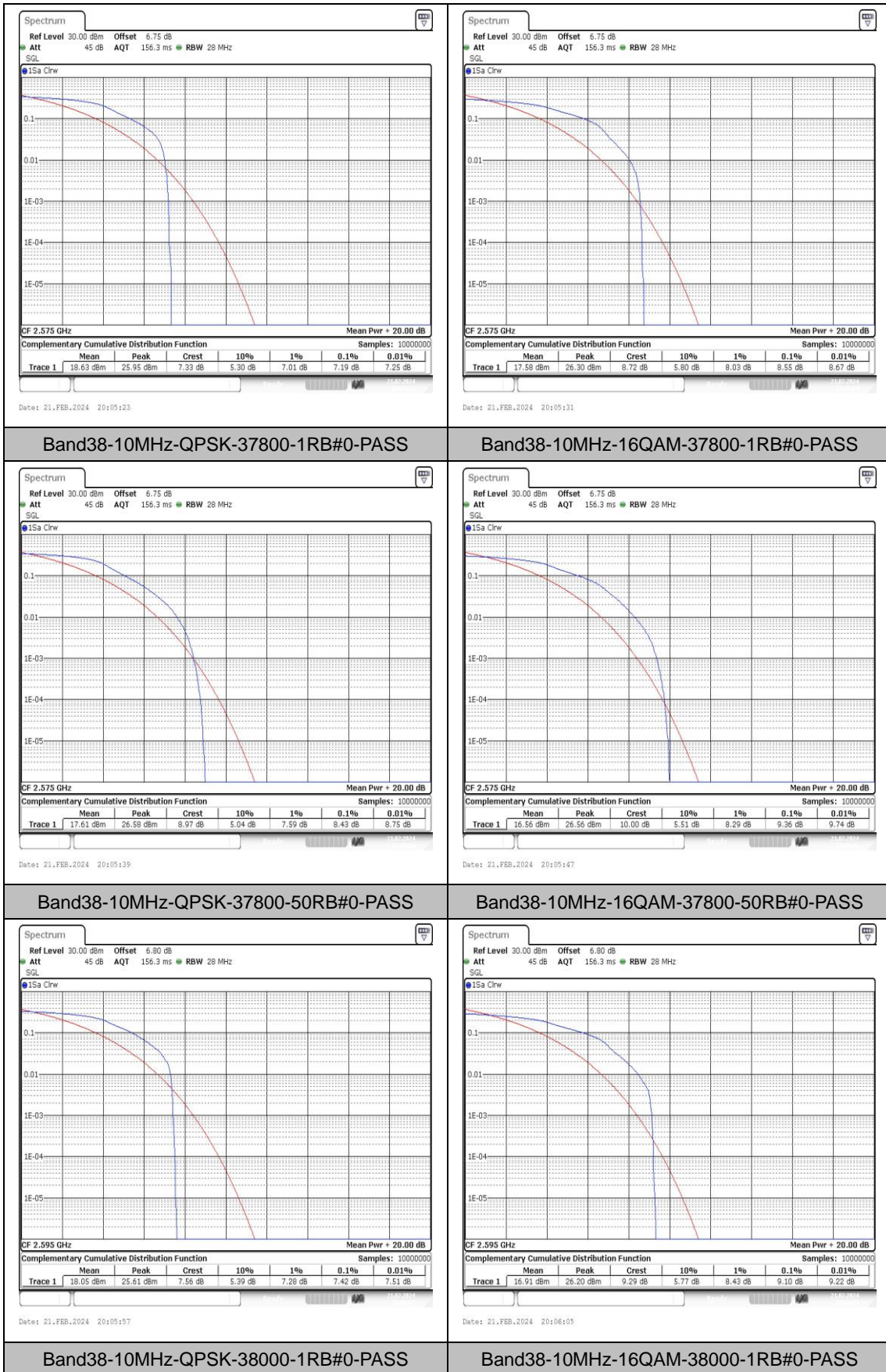
<http://www.waltek.com.cn>

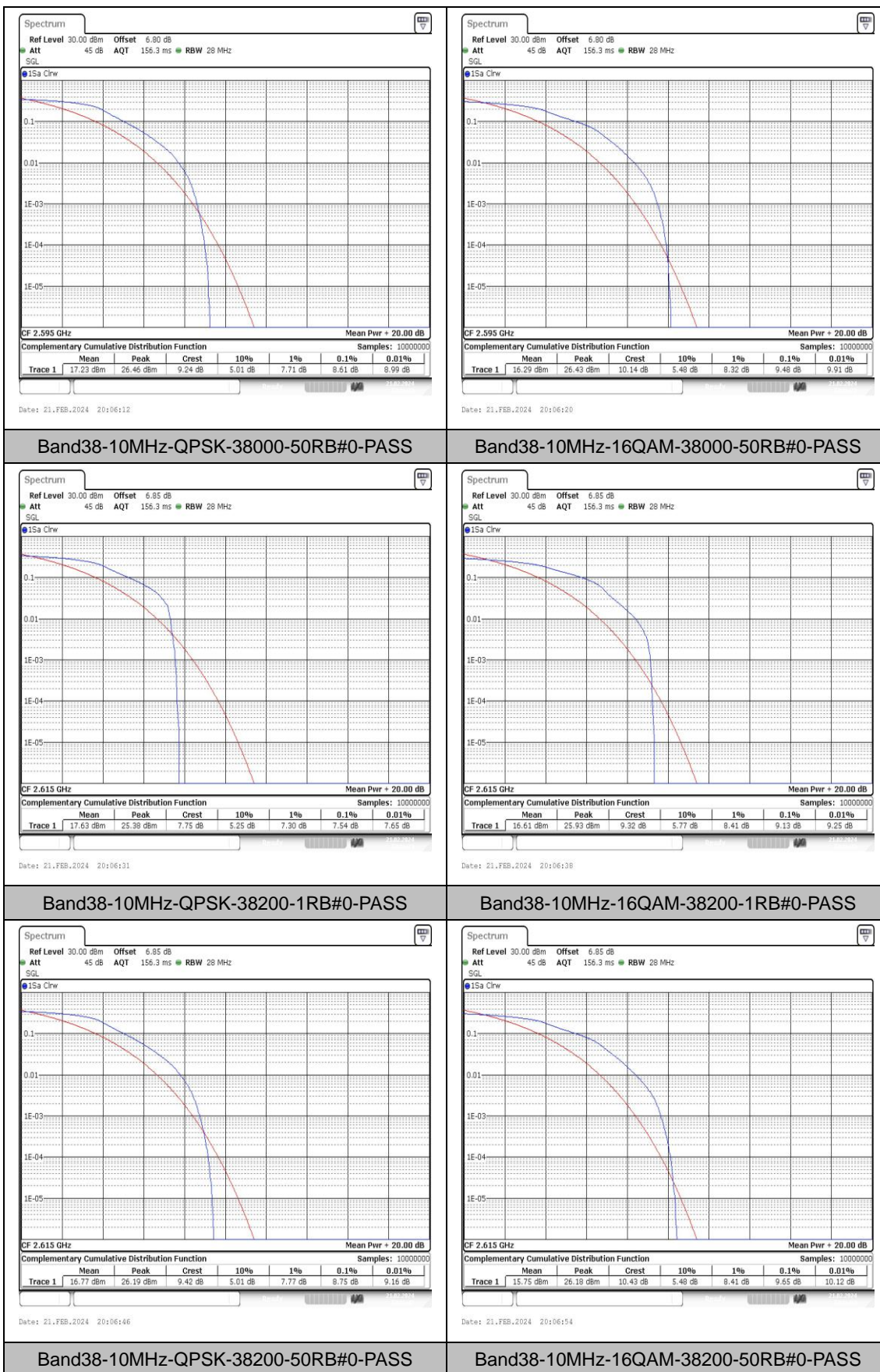
Band38	20MHz	QPSK	37850	1RB#0	7.19	13	PASS
Band38	20MHz	16QAM	37850	1RB#0	8.52	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	8.46	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.33	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	7.42	13	PASS
Band38	20MHz	16QAM	38000	1RB#0	8.96	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	8.52	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.48	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	7.39	13	PASS
Band38	20MHz	16QAM	38150	1RB#0	8.96	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	8.70	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.54	13	PASS

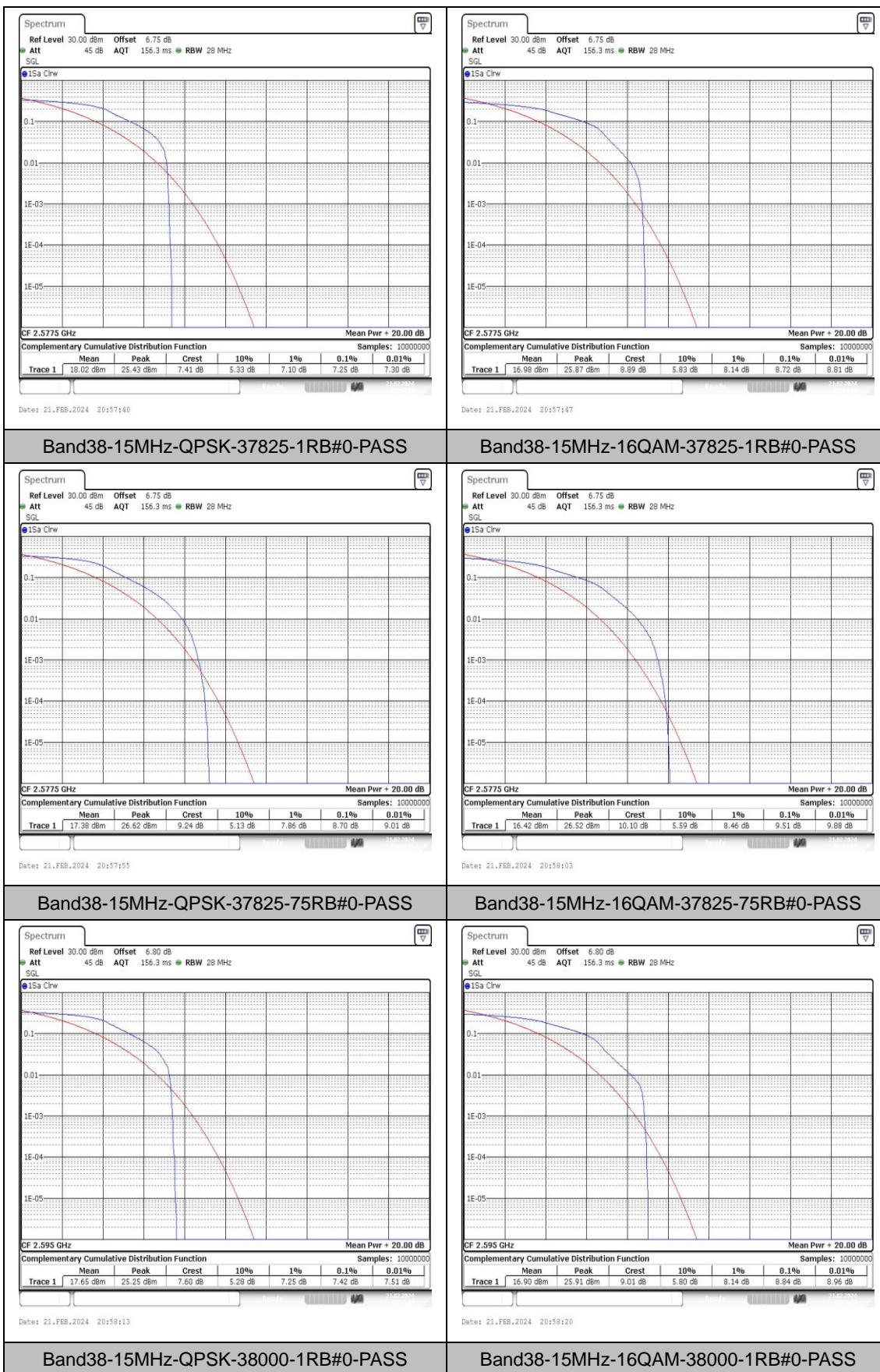
Test Graphs

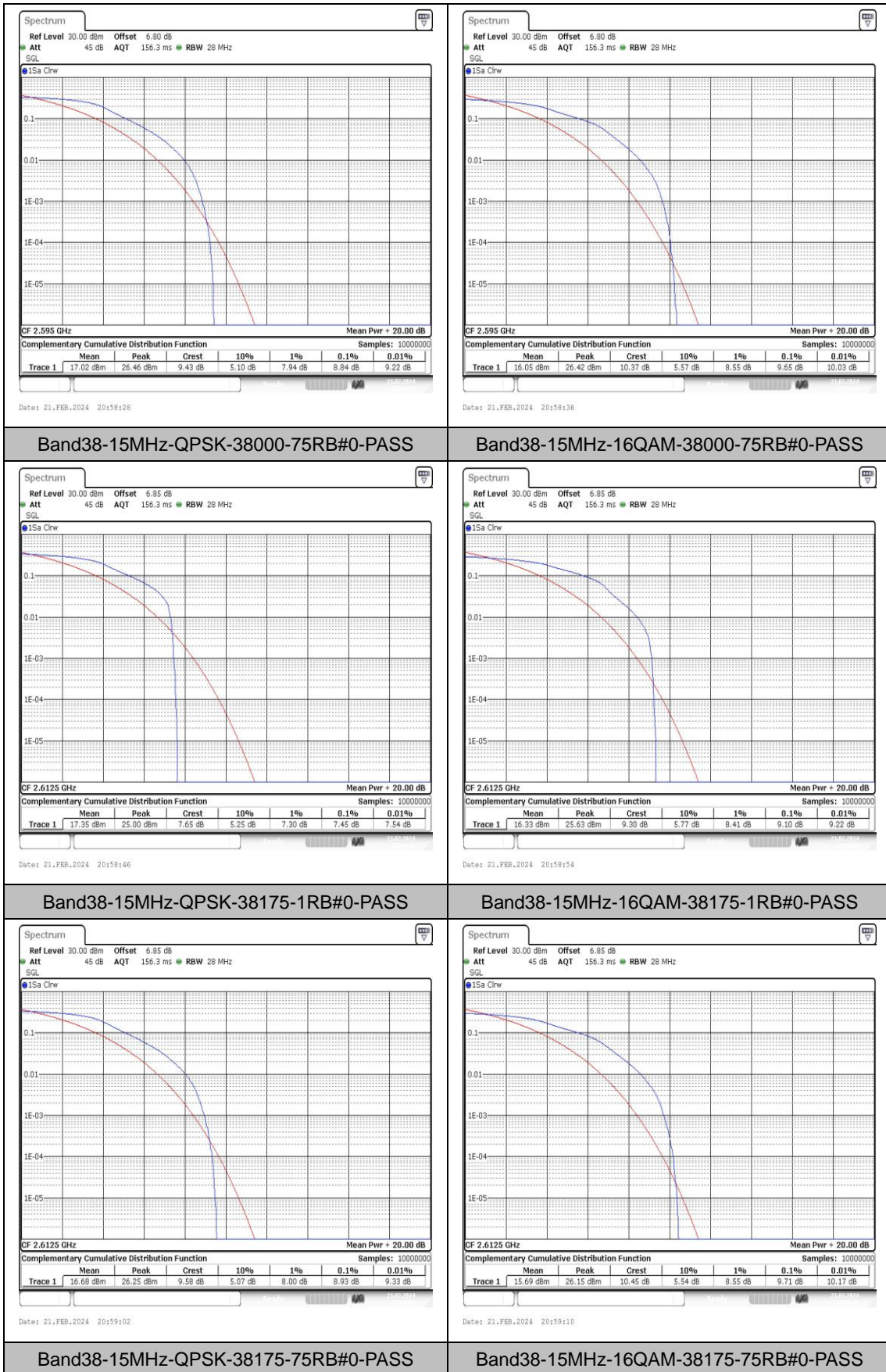


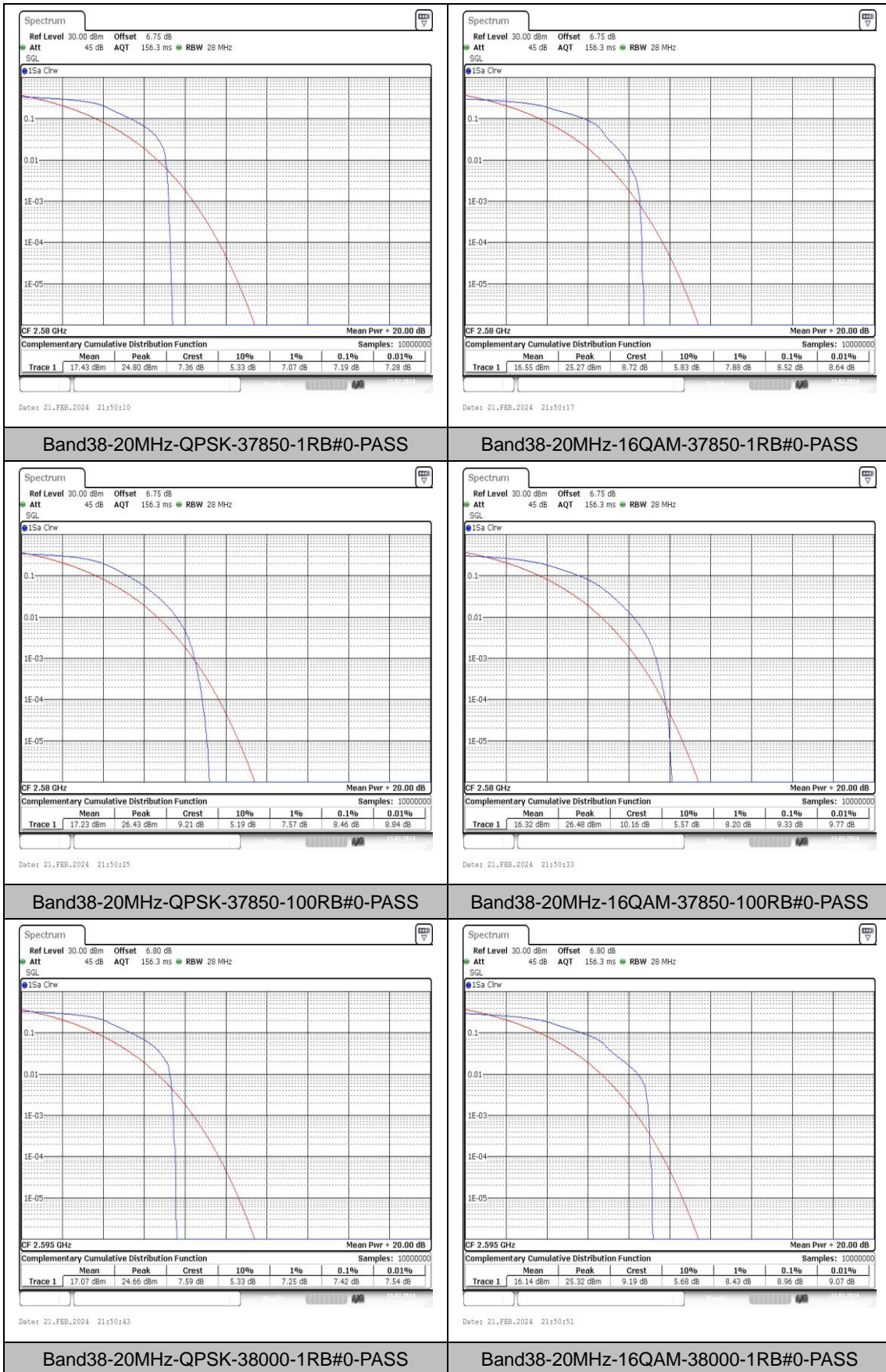


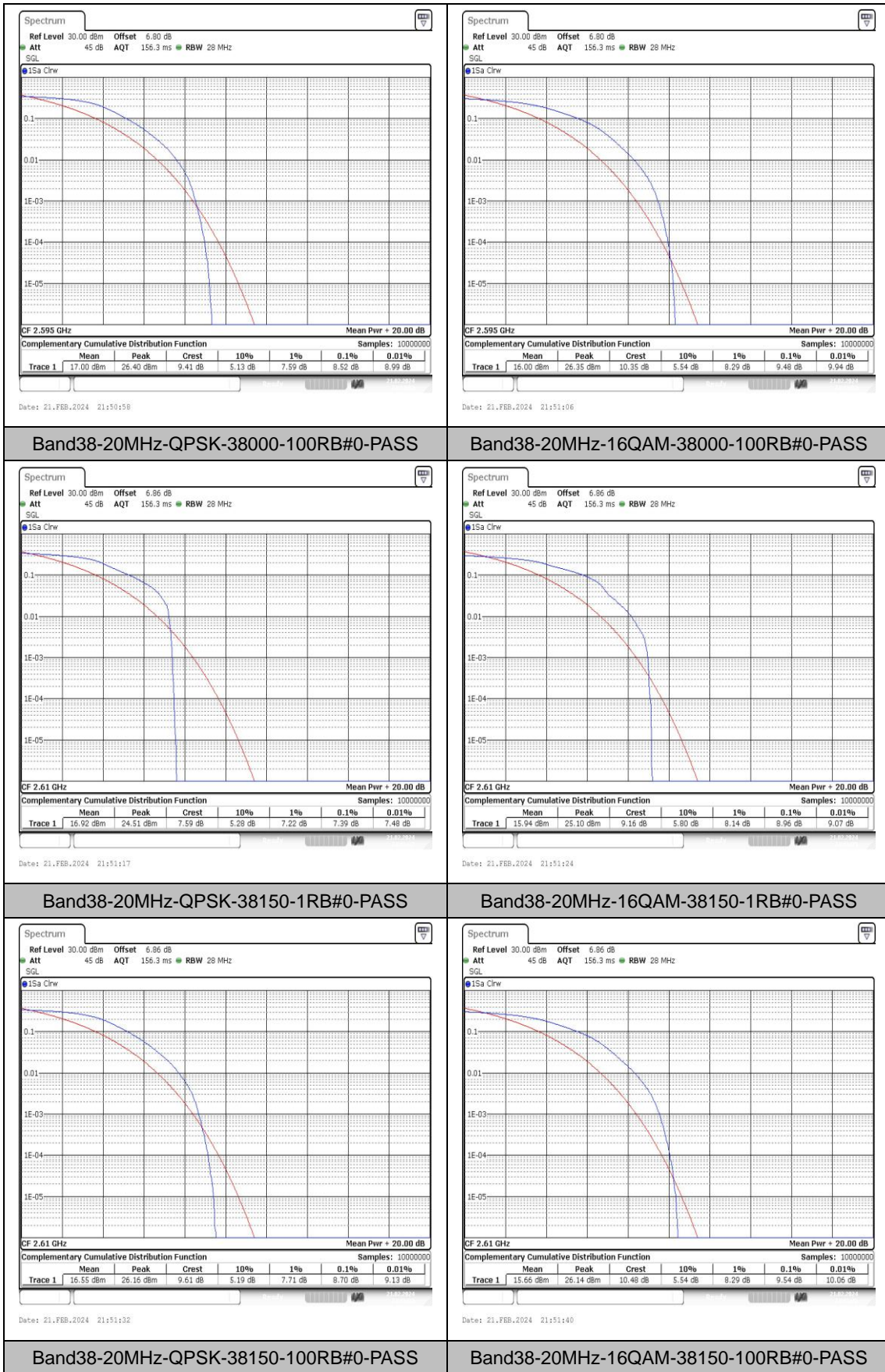










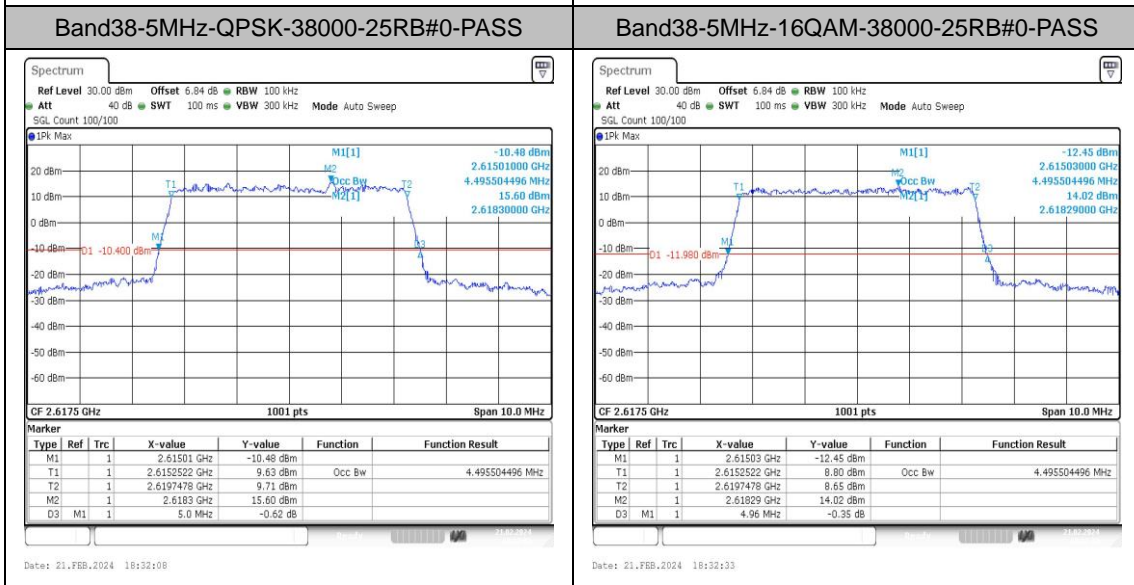
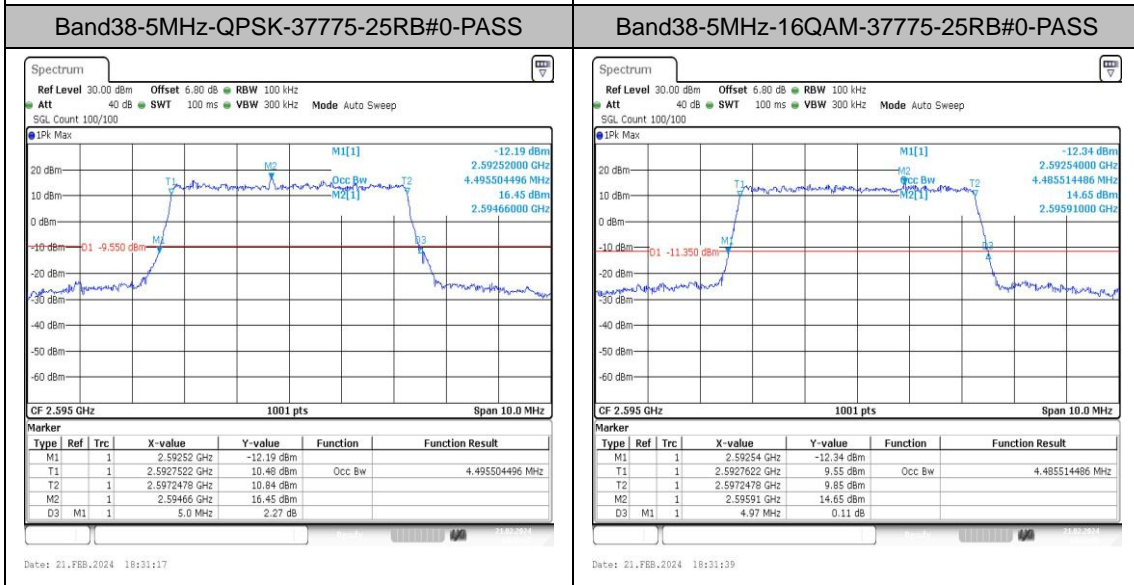
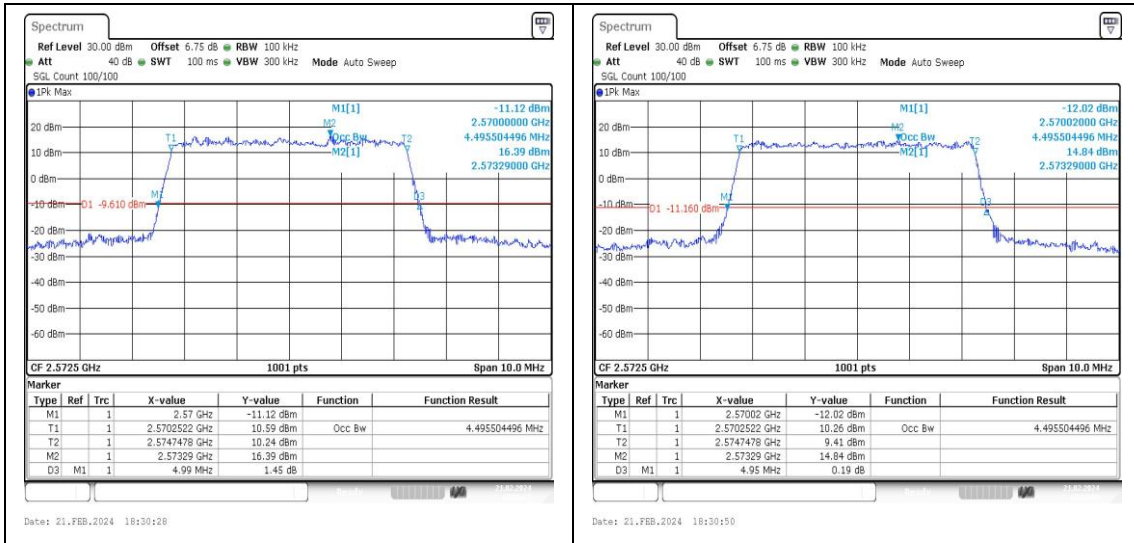


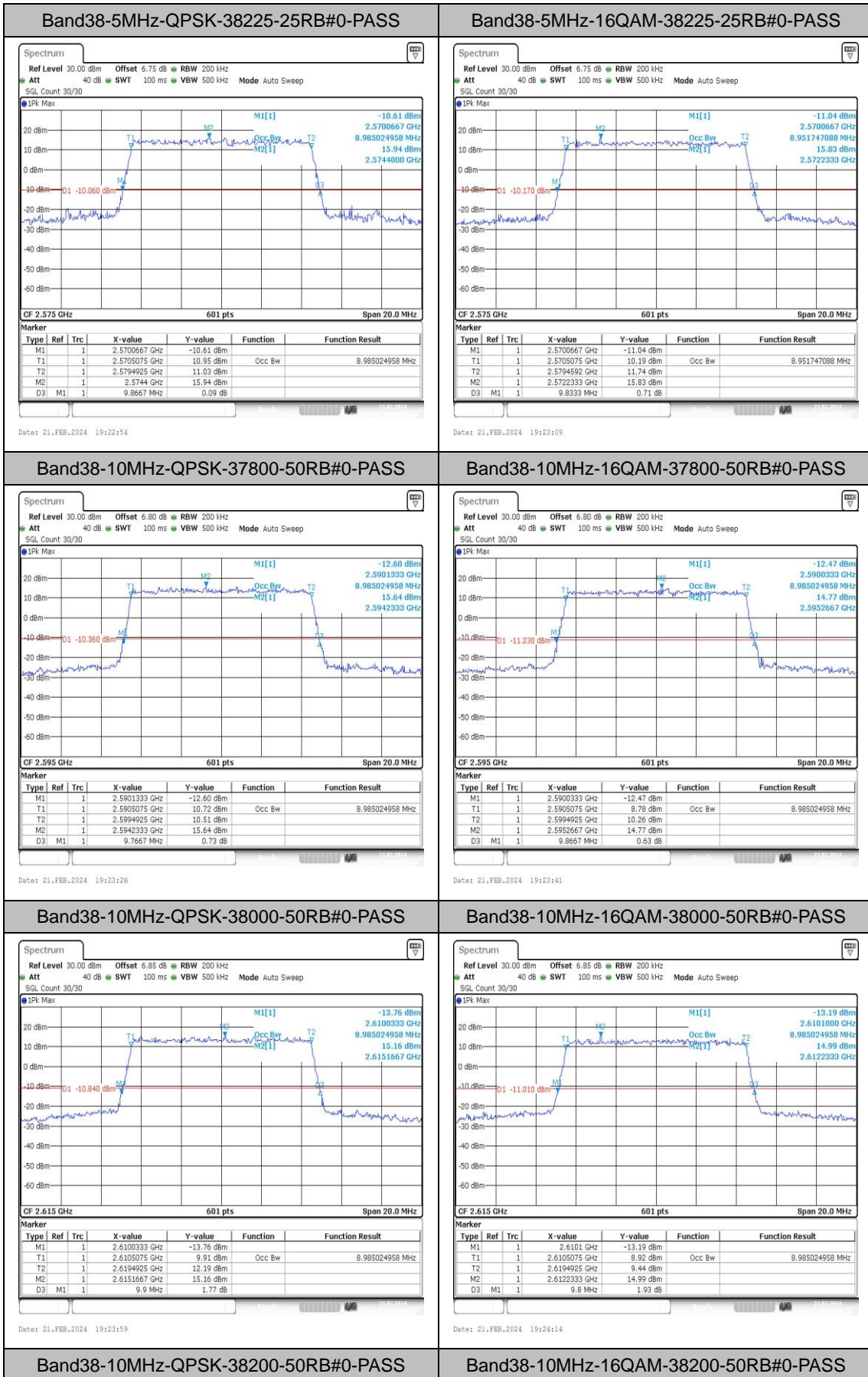
Appendix C: 26dB Bandwidth and Occupied Bandwidth

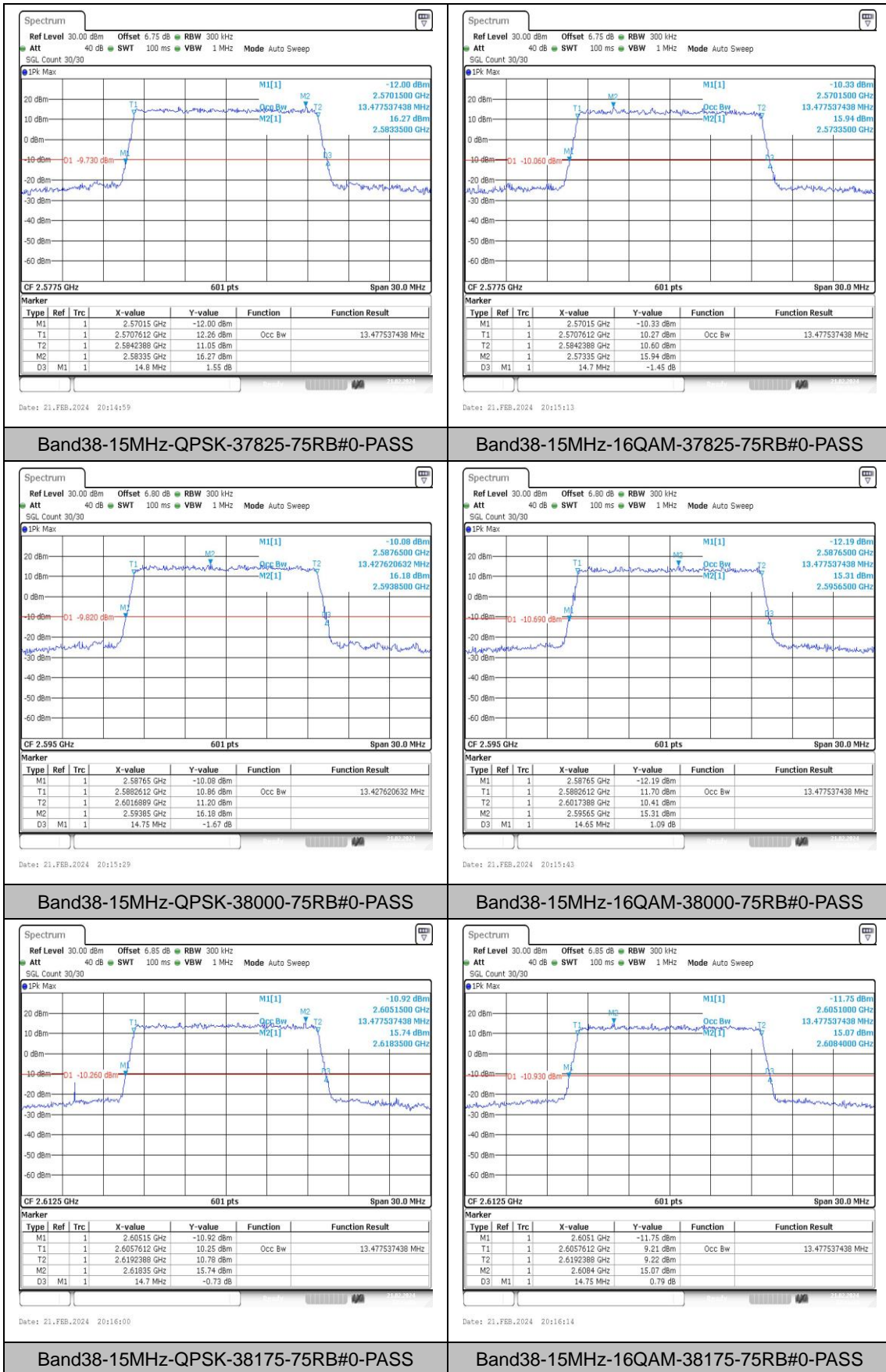
Test Result

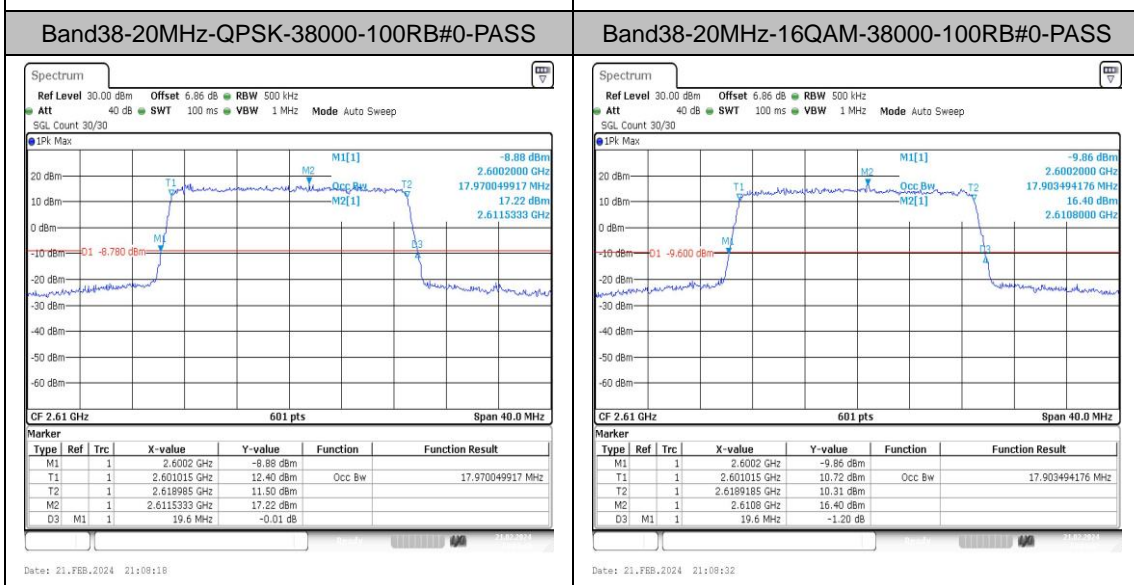
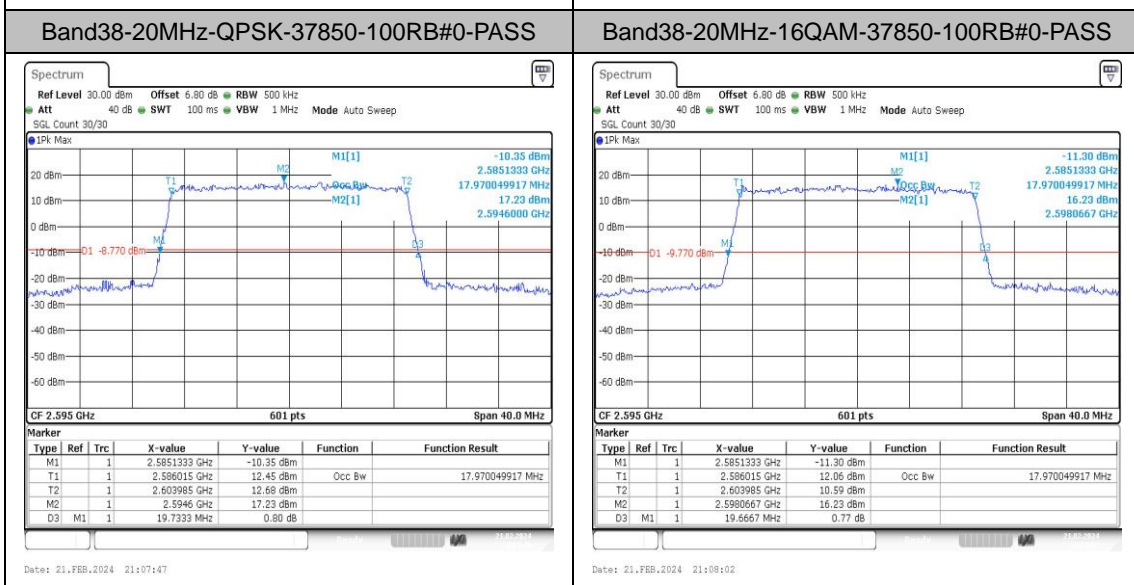
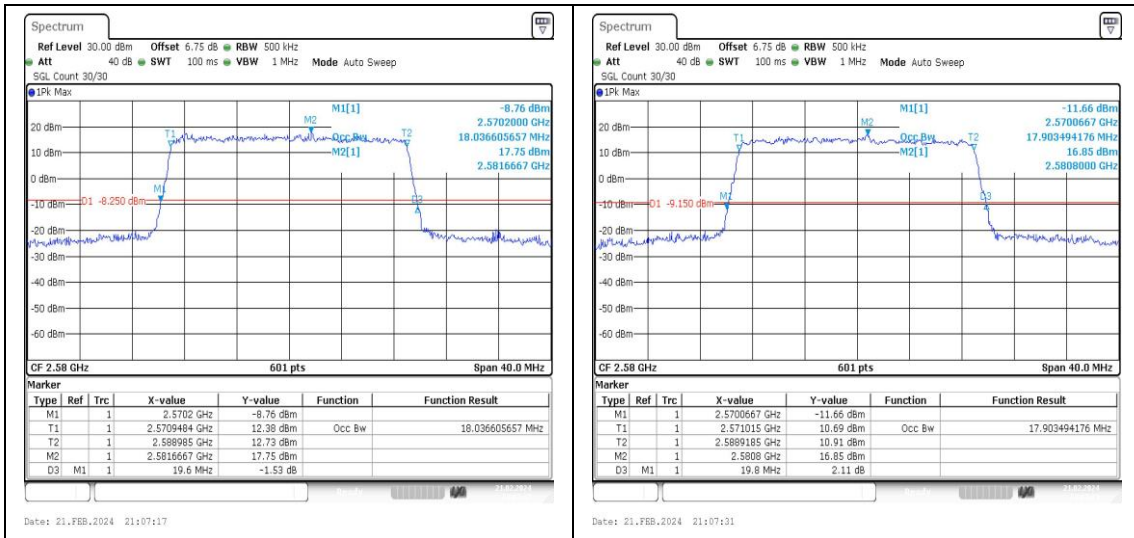
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.496	4.99	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.496	4.95	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.496	5.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.486	4.97	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.496	5.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.496	4.96	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.985	9.87	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.952	9.83	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.985	9.77	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.985	9.87	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.985	9.90	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.985	9.80	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.478	14.80	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.478	14.70	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.428	14.75	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.478	14.65	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.478	14.70	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.478	14.75	PASS
Band38	20MHz	QPSK	37850	100RB#0	18.037	19.60	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.903	19.80	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.97	19.73	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.97	19.67	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.97	19.60	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.903	19.60	PASS

Test Graphs









Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	-20.51	PASS
Band38	5MHz	16QAM	37775	1RB#0	-21.62	PASS
Band38	5MHz	QPSK	37775	1RB#24	-43.12	PASS
Band38	5MHz	16QAM	37775	1RB#24	-43.15	PASS
Band38	5MHz	QPSK	37775	25RB#0	-34.59	PASS
Band38	5MHz	16QAM	37775	25RB#0	-36.63	PASS
Band38	5MHz	QPSK	38225	1RB#0	-42.70	PASS
Band38	5MHz	16QAM	38225	1RB#0	-42.88	PASS
Band38	5MHz	QPSK	38225	1RB#24	-20.75	PASS
Band38	5MHz	16QAM	38225	1RB#24	-24.30	PASS
Band38	5MHz	QPSK	38225	25RB#0	-34.59	PASS
Band38	5MHz	16QAM	38225	25RB#0	-37.02	PASS
Band38	10MHz	QPSK	37800	1RB#0	-41.88	PASS
Band38	10MHz	16QAM	37800	1RB#0	-42.26	PASS
Band38	10MHz	QPSK	37800	1RB#49	-43.33	PASS
Band38	10MHz	16QAM	37800	1RB#49	-43.44	PASS
Band38	10MHz	QPSK	37800	50RB#0	-35.08	PASS
Band38	10MHz	16QAM	37800	50RB#0	-36.77	PASS
Band38	10MHz	QPSK	38200	1RB#0	-43.35	PASS
Band38	10MHz	16QAM	38200	1RB#0	-43.41	PASS
Band38	10MHz	QPSK	38200	1RB#49	-26.56	PASS
Band38	10MHz	16QAM	38200	1RB#49	-43.15	PASS
Band38	10MHz	QPSK	38200	50RB#0	-35.12	PASS
Band38	10MHz	16QAM	38200	50RB#0	-36.54	PASS
Band38	15MHz	QPSK	37825	1RB#0	-26.76	PASS
Band38	15MHz	16QAM	37825	1RB#0	-27.78	PASS
Band38	15MHz	QPSK	37825	1RB#74	-43.61	PASS
Band38	15MHz	16QAM	37825	1RB#74	-43.66	PASS
Band38	15MHz	QPSK	37825	75RB#0	-35.04	PASS
Band38	15MHz	16QAM	37825	75RB#0	-37.21	PASS
Band38	15MHz	QPSK	38175	1RB#0	-43.41	PASS
Band38	15MHz	16QAM	38175	1RB#0	-43.43	PASS
Band38	15MHz	QPSK	38175	1RB#74	-25.27	PASS
Band38	15MHz	16QAM	38175	1RB#74	-26.73	PASS
Band38	15MHz	QPSK	38175	75RB#0	-34.48	PASS
Band38	15MHz	16QAM	38175	75RB#0	-36.26	PASS

Band38	20MHz	QPSK	37850	1RB#0	-24.46	PASS
Band38	20MHz	16QAM	37850	1RB#0	-26.22	PASS
Band38	20MHz	QPSK	37850	1RB#99	-43.70	PASS
Band38	20MHz	16QAM	37850	1RB#99	-43.63	PASS
Band38	20MHz	QPSK	37850	100RB#0	-38.58	PASS
Band38	20MHz	16QAM	37850	100RB#0	-39.53	PASS
Band38	20MHz	QPSK	38150	1RB#0	-43.29	PASS
Band38	20MHz	16QAM	38150	1RB#0	-43.29	PASS
Band38	20MHz	QPSK	38150	1RB#99	-28.05	PASS
Band38	20MHz	16QAM	38150	1RB#99	-26.94	PASS
Band38	20MHz	QPSK	38150	100RB#0	-37.48	PASS
Band38	20MHz	16QAM	38150	100RB#0	-38.69	PASS

Test Graphs

