



4G Cloud Dashcam Driving Recorder

M/N:D01

FCC ID:2BM95-D01

Applicant:AIPLUS INNOVATION INC.

Appendix for LTE Band 38



Appendix A: Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	23.62	PASS
Band38	5MHz	QPSK	37775	1RB#12	23.24	PASS
Band38	5MHz	QPSK	37775	1RB#24	23.16	PASS
Band38	5MHz	QPSK	37775	12RB#0	23.73	PASS
Band38	5MHz	QPSK	37775	12RB#6	23.74	PASS
Band38	5MHz	QPSK	37775	12RB#13	23.69	PASS
Band38	5MHz	QPSK	37775	25RB#0	23.72	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.64	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.46	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.53	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.63	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.63	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.58	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.63	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.96	PASS
Band38	5MHz	QPSK	38000	1RB#12	22.99	PASS
Band38	5MHz	QPSK	38000	1RB#24	22.85	PASS
Band38	5MHz	QPSK	38000	12RB#0	23.53	PASS
Band38	5MHz	QPSK	38000	12RB#6	23.54	PASS
Band38	5MHz	QPSK	38000	12RB#13	23.44	PASS
Band38	5MHz	QPSK	38000	25RB#0	23.49	PASS
Band38	5MHz	16QAM	38000	1RB#0	22.61	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.57	PASS
Band38	5MHz	16QAM	38000	1RB#24	22.58	PASS
Band38	5MHz	16QAM	38000	12RB#0	20.38	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.39	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.43	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.50	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.89	PASS
Band38	5MHz	QPSK	38225	1RB#12	22.90	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.92	PASS
Band38	5MHz	QPSK	38225	12RB#0	23.55	PASS
Band38	5MHz	QPSK	38225	12RB#6	23.56	PASS
Band38	5MHz	QPSK	38225	12RB#13	23.62	PASS
Band38	5MHz	QPSK	38225	25RB#0	23.60	PASS
Band38	5MHz	16QAM	38225	1RB#0	22.16	PASS



Band38	5MHz	16QAM	38225	1RB#12	22.22	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.40	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.55	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.54	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.43	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.60	PASS
Band38	10MHz	QPSK	37800	1RB#0	22.92	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.88	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.84	PASS
Band38	10MHz	QPSK	37800	25RB#0	23.22	PASS
Band38	10MHz	QPSK	37800	25RB#12	23.23	PASS
Band38	10MHz	QPSK	37800	25RB#25	23.16	PASS
Band38	10MHz	QPSK	37800	50RB#0	23.18	PASS
Band38	10MHz	16QAM	37800	1RB#0	21.95	PASS
Band38	10MHz	16QAM	37800	1RB#24	21.96	PASS
Band38	10MHz	16QAM	37800	1RB#49	21.86	PASS
Band38	10MHz	16QAM	37800	25RB#0	20.31	PASS
Band38	10MHz	16QAM	37800	25RB#12	20.31	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.22	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.23	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.51	PASS
Band38	10MHz	QPSK	38000	1RB#24	22.54	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.52	PASS
Band38	10MHz	QPSK	38000	25RB#0	22.98	PASS
Band38	10MHz	QPSK	38000	25RB#12	23.11	PASS
Band38	10MHz	QPSK	38000	25RB#25	23.07	PASS
Band38	10MHz	QPSK	38000	50RB#0	23.03	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.50	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.38	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.32	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.32	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.32	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.23	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.15	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.57	PASS
Band38	10MHz	QPSK	38200	1RB#24	22.64	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.74	PASS
Band38	10MHz	QPSK	38200	25RB#0	23.12	PASS
Band38	10MHz	QPSK	38200	25RB#12	23.03	PASS
Band38	10MHz	QPSK	38200	25RB#25	23.12	PASS
Band38	10MHz	QPSK	38200	50RB#0	23.15	PASS
Band38	10MHz	16QAM	38200	1RB#0	22.00	PASS



Band38	10MHz	16QAM	38200	1RB#24	22.32	PASS
Band38	10MHz	16QAM	38200	1RB#49	22.19	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.23	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.24	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.25	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.22	PASS
Band38	15MHz	QPSK	37825	1RB#0	22.91	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.79	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.77	PASS
Band38	15MHz	QPSK	37825	38RB#0	23.32	PASS
Band38	15MHz	QPSK	37825	38RB#18	23.31	PASS
Band38	15MHz	QPSK	37825	38RB#37	23.30	PASS
Band38	15MHz	QPSK	37825	75RB#0	23.30	PASS
Band38	15MHz	16QAM	37825	1RB#0	21.95	PASS
Band38	15MHz	16QAM	37825	1RB#38	21.85	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.82	PASS
Band38	15MHz	16QAM	37825	38RB#0	23.31	PASS
Band38	15MHz	16QAM	37825	38RB#18	23.31	PASS
Band38	15MHz	16QAM	37825	38RB#37	23.30	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.32	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.74	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.62	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.50	PASS
Band38	15MHz	QPSK	38000	38RB#0	23.01	PASS
Band38	15MHz	QPSK	38000	38RB#18	23.00	PASS
Band38	15MHz	QPSK	38000	38RB#37	23.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	23.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	20.80	PASS
Band38	15MHz	16QAM	38000	1RB#38	20.76	PASS
Band38	15MHz	16QAM	38000	1RB#74	20.66	PASS
Band38	15MHz	16QAM	38000	38RB#0	23.00	PASS
Band38	15MHz	16QAM	38000	38RB#18	23.00	PASS
Band38	15MHz	16QAM	38000	38RB#37	23.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.17	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.51	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.61	PASS
Band38	15MHz	QPSK	38175	1RB#74	22.73	PASS
Band38	15MHz	QPSK	38175	38RB#0	23.20	PASS
Band38	15MHz	QPSK	38175	38RB#18	23.19	PASS
Band38	15MHz	QPSK	38175	38RB#37	23.18	PASS
Band38	15MHz	QPSK	38175	75RB#0	23.18	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.24	PASS



Band38	15MHz	16QAM	38175	1RB#38	22.07	PASS
Band38	15MHz	16QAM	38175	1RB#74	22.29	PASS
Band38	15MHz	16QAM	38175	38RB#0	23.19	PASS
Band38	15MHz	16QAM	38175	38RB#18	23.18	PASS
Band38	15MHz	16QAM	38175	38RB#37	23.18	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.16	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.66	PASS
Band38	20MHz	QPSK	37850	1RB#49	22.59	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.52	PASS
Band38	20MHz	QPSK	37850	50RB#0	23.33	PASS
Band38	20MHz	QPSK	37850	50RB#25	23.34	PASS
Band38	20MHz	QPSK	37850	50RB#50	23.15	PASS
Band38	20MHz	QPSK	37850	100RB#0	23.31	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.96	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.96	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.98	PASS
Band38	20MHz	16QAM	37850	50RB#0	20.40	PASS
Band38	20MHz	16QAM	37850	50RB#25	20.40	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.39	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.22	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.69	PASS
Band38	20MHz	QPSK	38000	1RB#49	22.68	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.61	PASS
Band38	20MHz	QPSK	38000	50RB#0	23.12	PASS
Band38	20MHz	QPSK	38000	50RB#25	23.14	PASS
Band38	20MHz	QPSK	38000	50RB#50	23.11	PASS
Band38	20MHz	QPSK	38000	100RB#0	23.13	PASS
Band38	20MHz	16QAM	38000	1RB#0	22.14	PASS
Band38	20MHz	16QAM	38000	1RB#49	22.02	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.99	PASS
Band38	20MHz	16QAM	38000	50RB#0	20.17	PASS
Band38	20MHz	16QAM	38000	50RB#25	20.17	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.16	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.27	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.61	PASS
Band38	20MHz	QPSK	38150	1RB#49	22.70	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.82	PASS
Band38	20MHz	QPSK	38150	50RB#0	22.99	PASS
Band38	20MHz	QPSK	38150	50RB#25	23.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	23.16	PASS
Band38	20MHz	QPSK	38150	100RB#0	23.21	PASS
Band38	20MHz	16QAM	38150	1RB#0	21.19	PASS



Band38	20MHz	16QAM	38150	1RB#49	21.27	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.43	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.00	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.00	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.16	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.16	PASS



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

Test Result

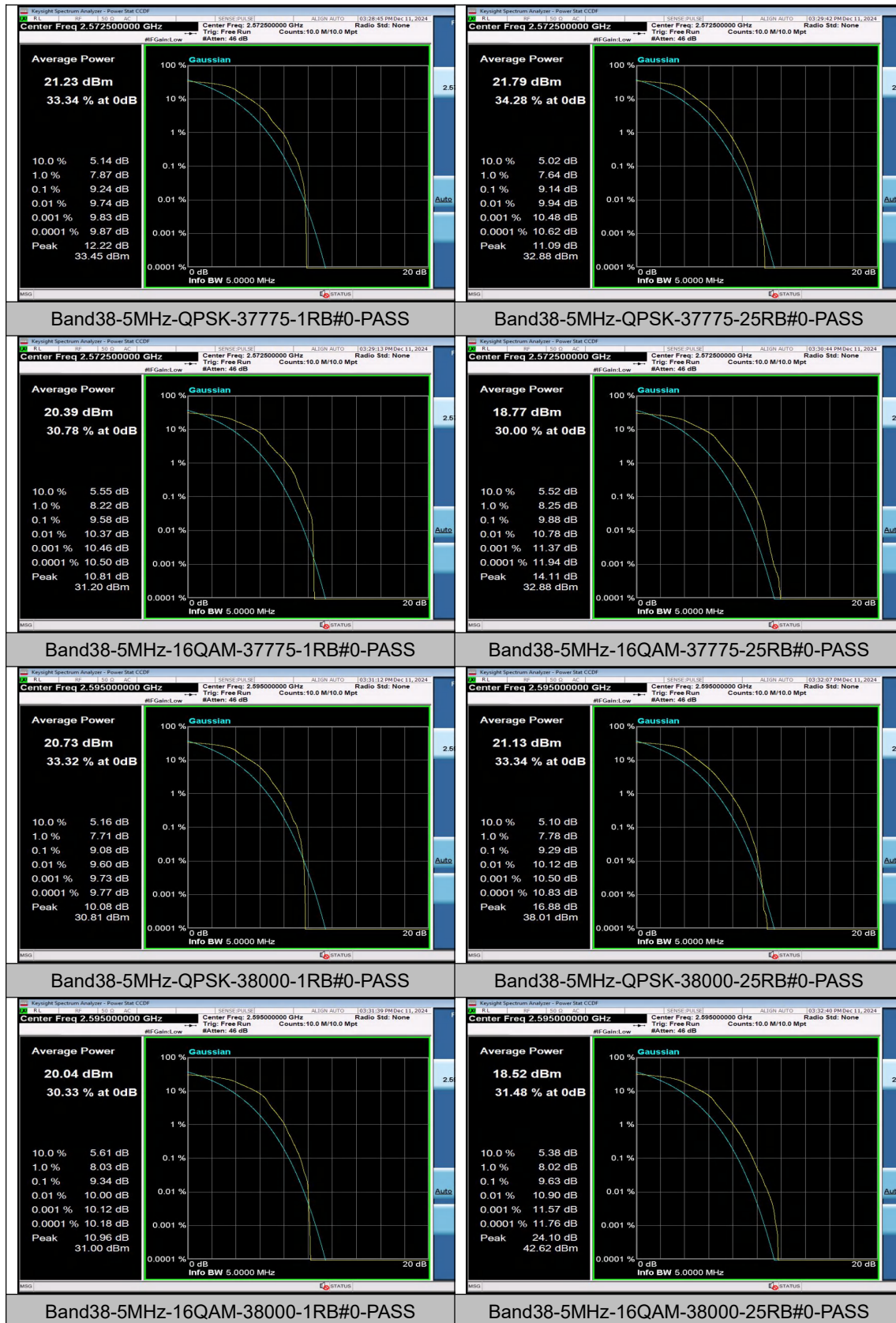
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	9.24	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	9.14	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	9.58	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	9.88	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	9.08	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	9.29	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	9.34	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	9.63	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	8.68	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	9.22	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	9.46	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	9.74	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	8.86	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.18	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	9.88	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	10.07	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	8.95	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	9.19	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	9.69	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.93	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	9.05	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.16	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	9.99	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.69	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	9.39	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	9.53	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	9.96	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	10.11	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	9.43	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	9.57	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	9.68	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	10.26	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	9.01	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	9.64	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	10.34	13	PASS

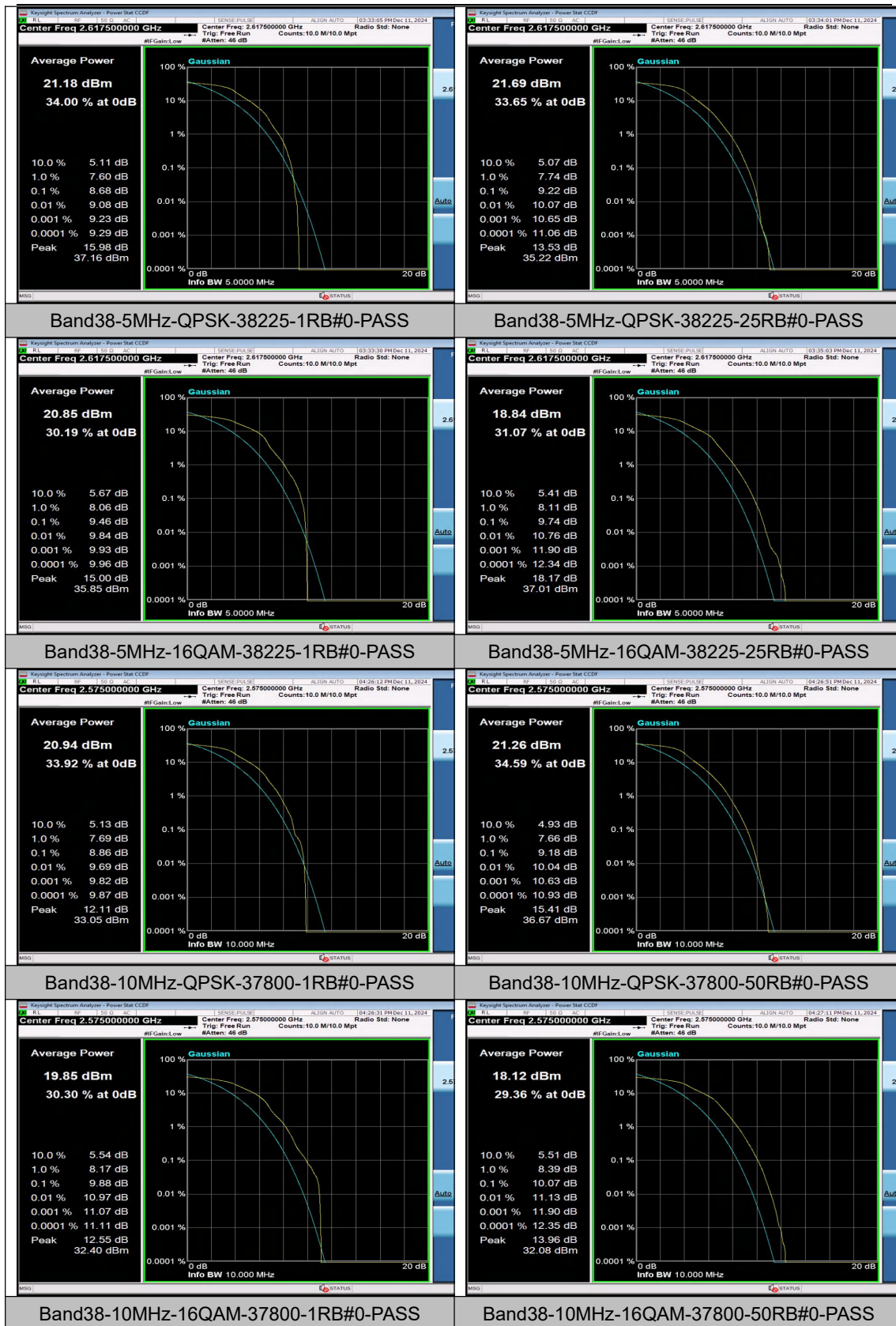


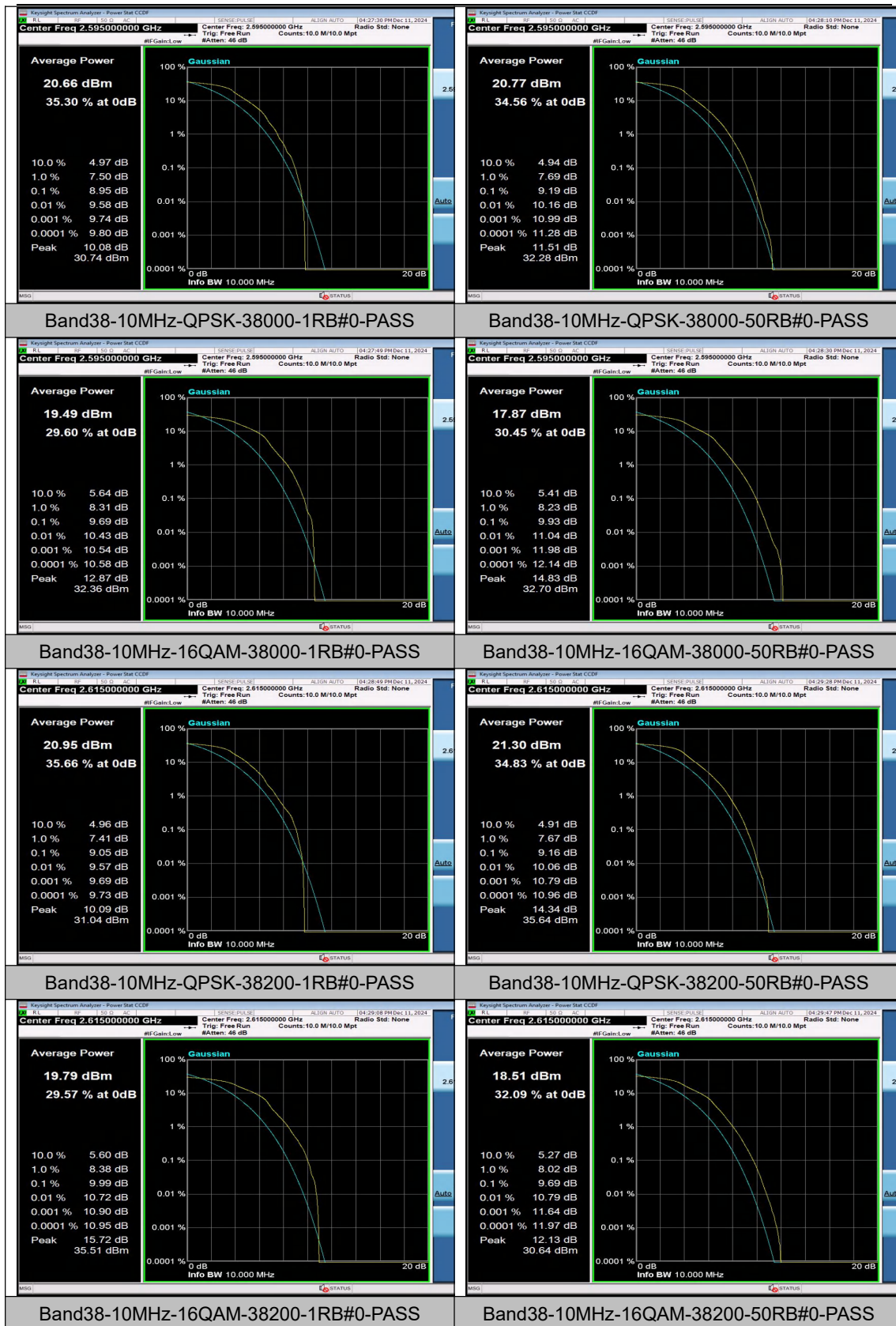
Band38	15MHz	16QAM	38175	75RB#0	9.94	13	PASS
Band38	20MHz	QPSK	37850	1RB#0	9.10	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	8.98	13	PASS
Band38	20MHz	16QAM	37850	1RB#0	9.69	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.78	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	8.68	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	9.41	13	PASS
Band38	20MHz	16QAM	38000	1RB#0	9.44	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.79	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	9.22	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	9.42	13	PASS
Band38	20MHz	16QAM	38150	1RB#0	10.14	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.85	13	PASS

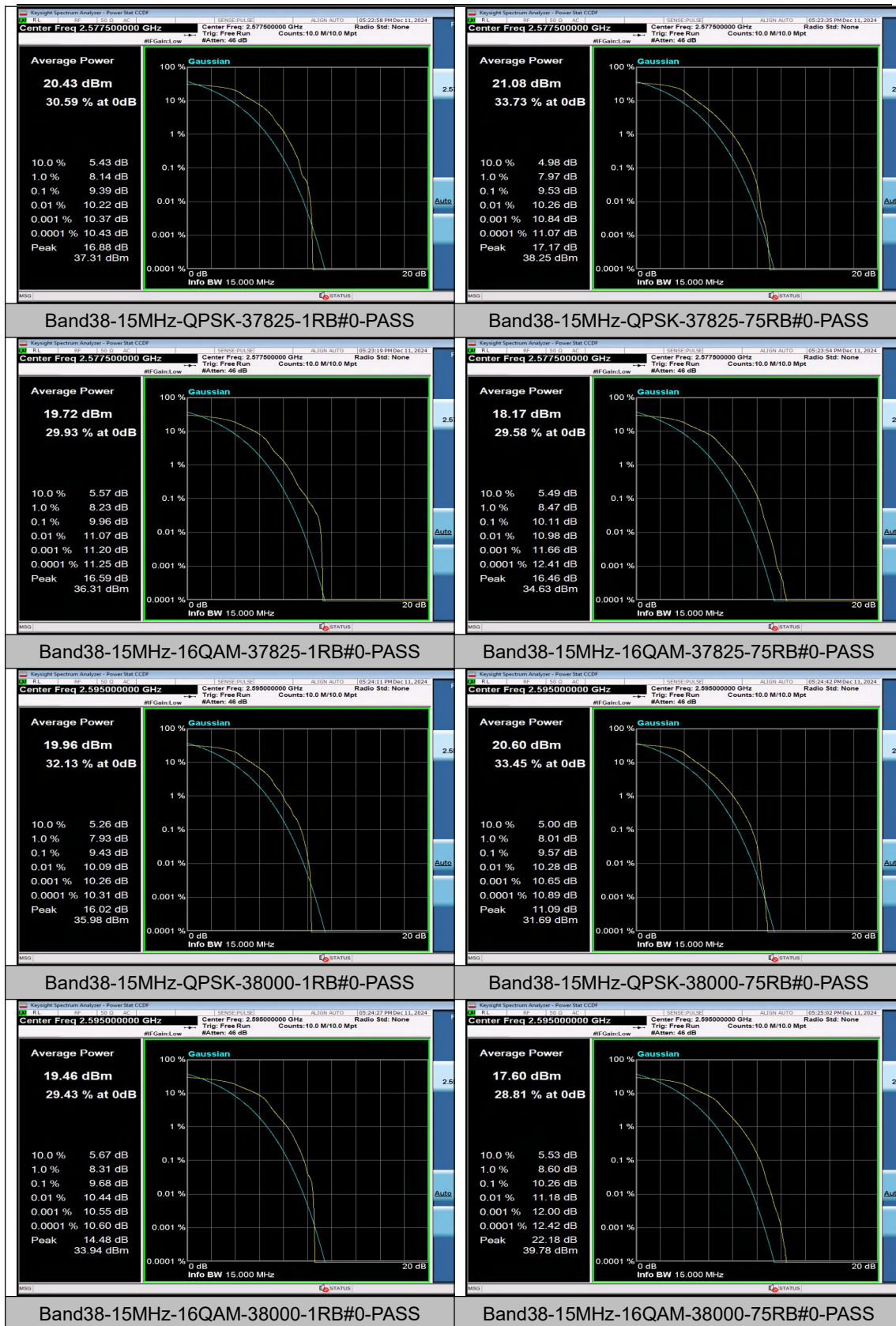


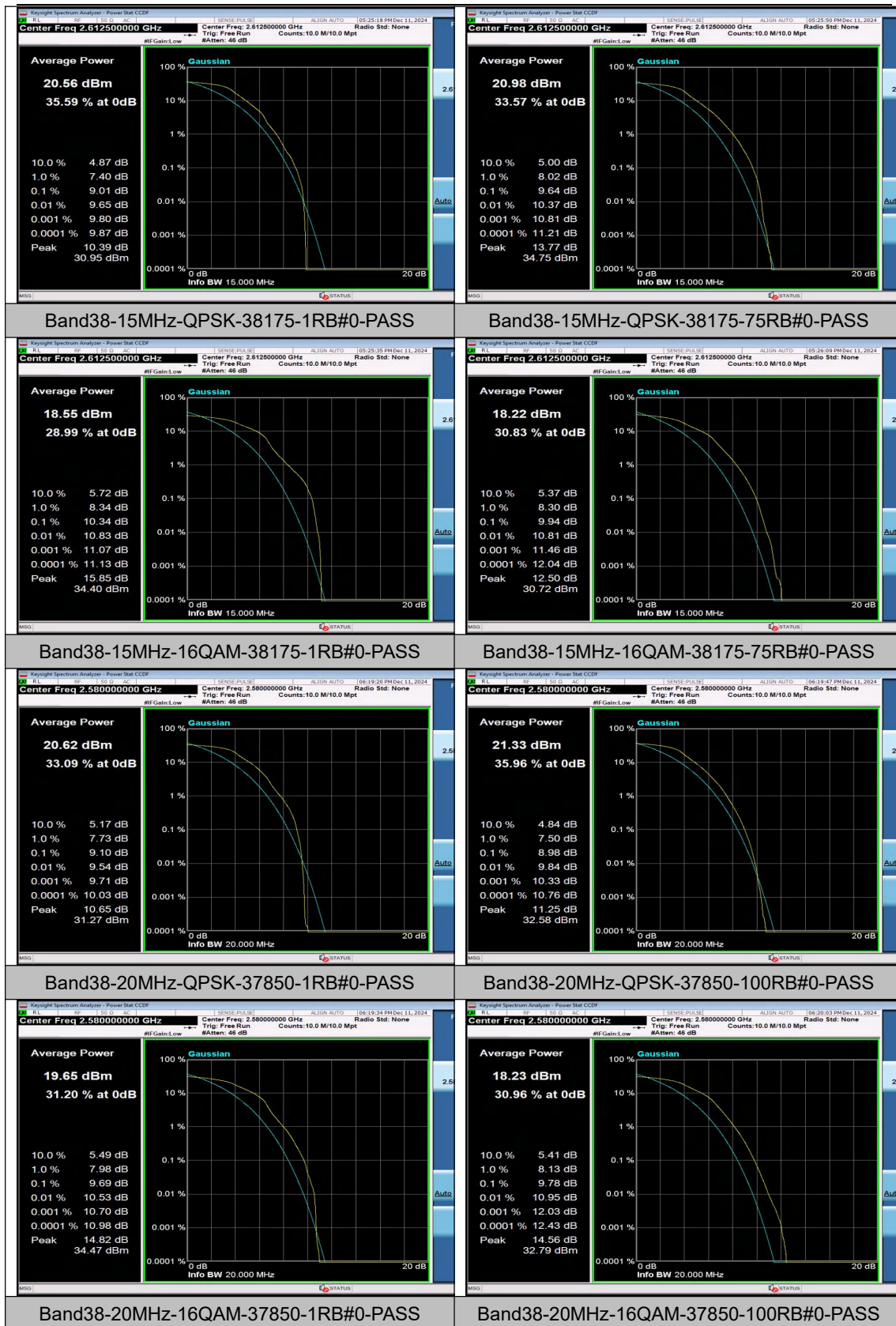
Test Graphs

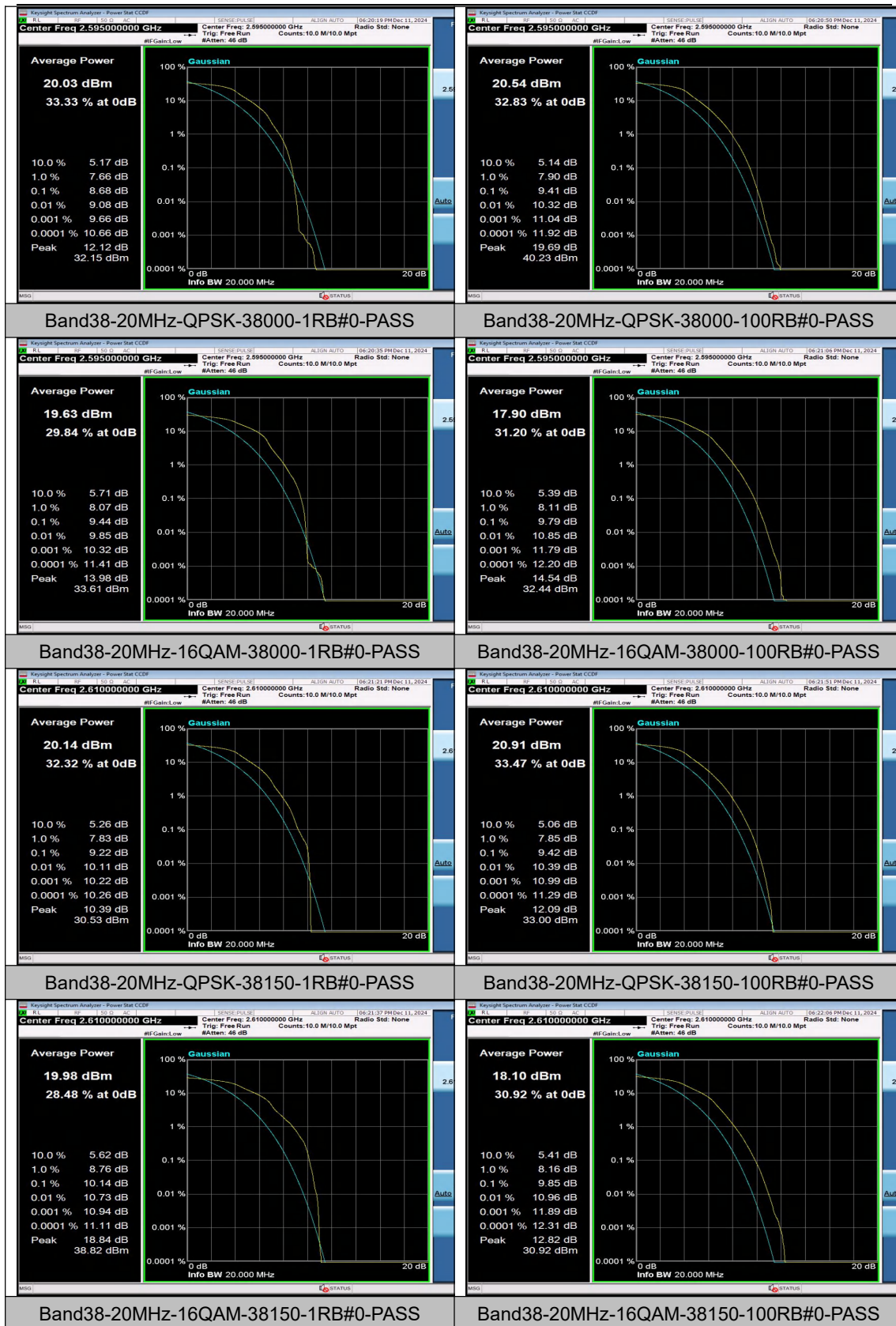














Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.4909	4.967	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.4883	4.942	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5028	4.960	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4970	4.999	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.5135	5.207	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.5101	5.172	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9773	10.18	PASS
Band38	10MHz	16QAM	37800	27RB#0	5.2419	7.732	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9894	9.916	PASS
Band38	10MHz	QPSK	38000	50RB#0	9.0122	10.36	PASS
Band38	10MHz	16QAM	38000	27RB#0	5.2391	7.621	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.0008	9.829	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9937	10.49	PASS
Band38	10MHz	16QAM	38200	27RB#0	5.1760	8.043	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9581	9.919	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.476	14.95	PASS
Band38	15MHz	16QAM	37825	27RB#0	5.7100	8.886	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.502	15.44	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.498	15.41	PASS
Band38	15MHz	16QAM	38000	27RB#0	5.5795	7.777	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.514	14.93	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.464	14.88	PASS
Band38	15MHz	16QAM	38175	27RB#0	6.0101	9.895	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.520	15.15	PASS
Band38	20MHz	QPSK	37850	100RB#0	18.017	19.75	PASS
Band38	20MHz	16QAM	37850	27RB#0	6.5921	10.09	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.974	19.78	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.962	19.77	PASS
Band38	20MHz	16QAM	38000	27RB#0	6.9537	10.67	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.964	19.74	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.985	19.55	PASS
Band38	20MHz	16QAM	38150	27RB#0	7.2247	10.71	PASS
Band38	20MHz	16QAM	38150	100RB#0	18.015	20.88	PASS



Test Graphs

