



Appendix P: Test Data for E-UTRA Band 38

Product Name: fixed wireless phone

Test Model: F151

Environmental Conditions

Temperature:	24.3°C
Relative Humidity:	55.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun



P.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	ERP/EIRP (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	23.87	23.87	PASS
Band38	5MHz	QPSK	37775	1RB#12	24.20	24.20	PASS
Band38	5MHz	QPSK	37775	1RB#24	23.91	23.91	PASS
Band38	5MHz	QPSK	37775	12RB#0	22.90	22.90	PASS
Band38	5MHz	QPSK	37775	12RB#6	23.05	23.05	PASS
Band38	5MHz	QPSK	37775	12RB#13	22.96	22.96	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.94	22.94	PASS
Band38	5MHz	16QAM	37775	1RB#0	23.13	23.13	PASS
Band38	5MHz	16QAM	37775	1RB#12	23.68	23.68	PASS
Band38	5MHz	16QAM	37775	1RB#24	23.19	23.19	PASS
Band38	5MHz	16QAM	37775	12RB#0	21.84	21.84	PASS
Band38	5MHz	16QAM	37775	12RB#6	21.97	21.97	PASS
Band38	5MHz	16QAM	37775	12RB#13	21.88	21.88	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.90	21.90	PASS
Band38	5MHz	QPSK	38000	1RB#0	24.01	24.01	PASS
Band38	5MHz	QPSK	38000	1RB#12	24.28	24.28	PASS
Band38	5MHz	QPSK	38000	1RB#24	23.94	23.94	PASS
Band38	5MHz	QPSK	38000	12RB#0	23.08	23.08	PASS
Band38	5MHz	QPSK	38000	12RB#6	23.17	23.17	PASS
Band38	5MHz	QPSK	38000	12RB#13	23.09	23.09	PASS
Band38	5MHz	QPSK	38000	25RB#0	23.07	23.07	PASS
Band38	5MHz	16QAM	38000	1RB#0	23.26	23.26	PASS
Band38	5MHz	16QAM	38000	1RB#12	23.55	23.55	PASS
Band38	5MHz	16QAM	38000	1RB#24	23.22	23.22	PASS
Band38	5MHz	16QAM	38000	12RB#0	22.07	22.07	PASS
Band38	5MHz	16QAM	38000	12RB#6	22.15	22.15	PASS
Band38	5MHz	16QAM	38000	12RB#13	22.09	22.09	PASS
Band38	5MHz	16QAM	38000	25RB#0	22.10	22.10	PASS
Band38	5MHz	QPSK	38225	1RB#0	23.81	23.81	PASS
Band38	5MHz	QPSK	38225	1RB#12	24.12	24.12	PASS
Band38	5MHz	QPSK	38225	1RB#24	23.84	23.84	PASS
Band38	5MHz	QPSK	38225	12RB#0	22.88	22.88	PASS
Band38	5MHz	QPSK	38225	12RB#6	22.97	22.97	PASS
Band38	5MHz	QPSK	38225	12RB#13	22.90	22.90	PASS
Band38	5MHz	QPSK	38225	25RB#0	22.90	22.90	PASS
Band38	5MHz	16QAM	38225	1RB#0	23.11	23.11	PASS
Band38	5MHz	16QAM	38225	1RB#12	23.60	23.60	PASS



Band38	5MHz	16QAM	38225	1RB#24	23.13	23.13	PASS
Band38	5MHz	16QAM	38225	12RB#0	21.80	21.80	PASS
Band38	5MHz	16QAM	38225	12RB#6	21.93	21.93	PASS
Band38	5MHz	16QAM	38225	12RB#13	21.84	21.84	PASS
Band38	5MHz	16QAM	38225	25RB#0	21.92	21.92	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.90	23.90	PASS
Band38	10MHz	QPSK	37800	1RB#24	24.12	24.12	PASS
Band38	10MHz	QPSK	37800	1RB#49	24.03	24.03	PASS
Band38	10MHz	QPSK	37800	25RB#0	22.99	22.99	PASS
Band38	10MHz	QPSK	37800	25RB#12	23.02	23.02	PASS
Band38	10MHz	QPSK	37800	25RB#25	23.03	23.03	PASS
Band38	10MHz	QPSK	37800	50RB#0	23.05	23.05	PASS
Band38	10MHz	16QAM	37800	1RB#0	23.19	23.19	PASS
Band38	10MHz	16QAM	37800	1RB#24	23.54	23.54	PASS
Band38	10MHz	16QAM	37800	1RB#49	23.34	23.34	PASS
Band38	10MHz	16QAM	37800	25RB#0	22.04	22.04	PASS
Band38	10MHz	16QAM	37800	25RB#12	22.04	22.04	PASS
Band38	10MHz	16QAM	37800	25RB#25	22.10	22.10	PASS
Band38	10MHz	16QAM	37800	50RB#0	22.00	22.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	24.18	24.18	PASS
Band38	10MHz	QPSK	38000	1RB#24	24.29	24.29	PASS
Band38	10MHz	QPSK	38000	1RB#49	24.04	24.04	PASS
Band38	10MHz	QPSK	38000	25RB#0	23.14	23.14	PASS
Band38	10MHz	QPSK	38000	25RB#12	23.11	23.11	PASS
Band38	10MHz	QPSK	38000	25RB#25	23.13	23.13	PASS
Band38	10MHz	QPSK	38000	50RB#0	23.16	23.16	PASS
Band38	10MHz	16QAM	38000	1RB#0	23.01	23.01	PASS
Band38	10MHz	16QAM	38000	1RB#24	23.16	23.16	PASS
Band38	10MHz	16QAM	38000	1RB#49	22.87	22.87	PASS
Band38	10MHz	16QAM	38000	25RB#0	22.11	22.11	PASS
Band38	10MHz	16QAM	38000	25RB#12	22.10	22.10	PASS
Band38	10MHz	16QAM	38000	25RB#25	22.10	22.10	PASS
Band38	10MHz	16QAM	38000	50RB#0	22.11	22.11	PASS
Band38	10MHz	QPSK	38200	1RB#0	23.86	23.86	PASS
Band38	10MHz	QPSK	38200	1RB#24	24.02	24.02	PASS
Band38	10MHz	QPSK	38200	1RB#49	23.82	23.82	PASS
Band38	10MHz	QPSK	38200	25RB#0	22.91	22.91	PASS
Band38	10MHz	QPSK	38200	25RB#12	22.94	22.94	PASS
Band38	10MHz	QPSK	38200	25RB#25	22.94	22.94	PASS
Band38	10MHz	QPSK	38200	50RB#0	22.92	22.92	PASS
Band38	10MHz	16QAM	38200	1RB#0	23.15	23.15	PASS
Band38	10MHz	16QAM	38200	1RB#24	23.45	23.45	PASS
Band38	10MHz	16QAM	38200	1RB#49	23.16	23.16	PASS



Band38	10MHz	16QAM	38200	25RB#0	21.96	21.96	PASS
Band38	10MHz	16QAM	38200	25RB#12	21.93	21.93	PASS
Band38	10MHz	16QAM	38200	25RB#25	22.02	22.02	PASS
Band38	10MHz	16QAM	38200	50RB#0	21.90	21.90	PASS
Band38	15MHz	QPSK	37825	1RB#0	23.88	23.88	PASS
Band38	15MHz	QPSK	37825	1RB#38	24.07	24.07	PASS
Band38	15MHz	QPSK	37825	1RB#74	24.07	24.07	PASS
Band38	15MHz	QPSK	37825	38RB#0	23.11	23.11	PASS
Band38	15MHz	QPSK	37825	38RB#18	23.17	23.17	PASS
Band38	15MHz	QPSK	37825	38RB#37	23.18	23.18	PASS
Band38	15MHz	QPSK	37825	75RB#0	23.12	23.12	PASS
Band38	15MHz	16QAM	37825	1RB#0	23.19	23.19	PASS
Band38	15MHz	16QAM	37825	1RB#38	23.48	23.48	PASS
Band38	15MHz	16QAM	37825	1RB#74	23.35	23.35	PASS
Band38	15MHz	16QAM	37825	38RB#0	22.08	22.08	PASS
Band38	15MHz	16QAM	37825	38RB#18	22.10	22.10	PASS
Band38	15MHz	16QAM	37825	38RB#37	22.16	22.16	PASS
Band38	15MHz	16QAM	37825	75RB#0	22.08	22.08	PASS
Band38	15MHz	QPSK	38000	1RB#0	24.19	24.19	PASS
Band38	15MHz	QPSK	38000	1RB#38	24.26	24.26	PASS
Band38	15MHz	QPSK	38000	1RB#74	24.06	24.06	PASS
Band38	15MHz	QPSK	38000	38RB#0	23.26	23.26	PASS
Band38	15MHz	QPSK	38000	38RB#18	23.23	23.23	PASS
Band38	15MHz	QPSK	38000	38RB#37	23.18	23.18	PASS
Band38	15MHz	QPSK	38000	75RB#0	23.18	23.18	PASS
Band38	15MHz	16QAM	38000	1RB#0	23.13	23.13	PASS
Band38	15MHz	16QAM	38000	1RB#38	23.34	23.34	PASS
Band38	15MHz	16QAM	38000	1RB#74	22.99	22.99	PASS
Band38	15MHz	16QAM	38000	38RB#0	22.15	22.15	PASS
Band38	15MHz	16QAM	38000	38RB#18	22.13	22.13	PASS
Band38	15MHz	16QAM	38000	38RB#37	22.07	22.07	PASS
Band38	15MHz	16QAM	38000	75RB#0	22.13	22.13	PASS
Band38	15MHz	QPSK	38175	1RB#0	23.81	23.81	PASS
Band38	15MHz	QPSK	38175	1RB#38	23.91	23.91	PASS
Band38	15MHz	QPSK	38175	1RB#74	23.80	23.80	PASS
Band38	15MHz	QPSK	38175	38RB#0	23.00	23.00	PASS
Band38	15MHz	QPSK	38175	38RB#18	23.00	23.00	PASS
Band38	15MHz	QPSK	38175	38RB#37	23.00	23.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	23.00	23.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	23.12	23.12	PASS
Band38	15MHz	16QAM	38175	1RB#38	23.30	23.30	PASS
Band38	15MHz	16QAM	38175	1RB#74	23.15	23.15	PASS
Band38	15MHz	16QAM	38175	38RB#0	21.94	21.94	PASS



Band38	15MHz	16QAM	38175	38RB#18	21.94	21.94	PASS
Band38	15MHz	16QAM	38175	38RB#37	21.93	21.93	PASS
Band38	15MHz	16QAM	38175	75RB#0	21.96	21.96	PASS
Band38	20MHz	QPSK	37850	1RB#0	23.78	23.78	PASS
Band38	20MHz	QPSK	37850	1RB#49	24.30	24.30	PASS
Band38	20MHz	QPSK	37850	1RB#99	23.96	23.96	PASS
Band38	20MHz	QPSK	37850	50RB#0	23.01	23.01	PASS
Band38	20MHz	QPSK	37850	50RB#25	23.12	23.12	PASS
Band38	20MHz	QPSK	37850	50RB#50	23.14	23.14	PASS
Band38	20MHz	QPSK	37850	100RB#0	23.09	23.09	PASS
Band38	20MHz	16QAM	37850	1RB#0	22.93	22.93	PASS
Band38	20MHz	16QAM	37850	1RB#49	23.46	23.46	PASS
Band38	20MHz	16QAM	37850	1RB#99	23.10	23.10	PASS
Band38	20MHz	16QAM	37850	50RB#0	22.00	22.00	PASS
Band38	20MHz	16QAM	37850	50RB#25	22.14	22.14	PASS
Band38	20MHz	16QAM	37850	50RB#50	22.14	22.14	PASS
Band38	20MHz	16QAM	37850	100RB#0	21.99	21.99	PASS
Band38	20MHz	QPSK	38000	1RB#0	24.11	24.11	PASS
Band38	20MHz	QPSK	38000	1RB#49	24.34	24.34	PASS
Band38	20MHz	QPSK	38000	1RB#99	23.78	23.78	PASS
Band38	20MHz	QPSK	38000	50RB#0	23.09	23.09	PASS
Band38	20MHz	QPSK	38000	50RB#25	23.14	23.14	PASS
Band38	20MHz	QPSK	38000	50RB#50	23.04	23.04	PASS
Band38	20MHz	QPSK	38000	100RB#0	23.10	23.10	PASS
Band38	20MHz	16QAM	38000	1RB#0	22.63	22.63	PASS
Band38	20MHz	16QAM	38000	1RB#49	23.42	23.42	PASS
Band38	20MHz	16QAM	38000	1RB#99	22.36	22.36	PASS
Band38	20MHz	16QAM	38000	50RB#0	22.14	22.14	PASS
Band38	20MHz	16QAM	38000	50RB#25	22.17	22.17	PASS
Band38	20MHz	16QAM	38000	50RB#50	22.10	22.10	PASS
Band38	20MHz	16QAM	38000	100RB#0	22.06	22.06	PASS
Band38	20MHz	QPSK	38150	1RB#0	23.78	23.78	PASS
Band38	20MHz	QPSK	38150	1RB#49	24.07	24.07	PASS
Band38	20MHz	QPSK	38150	1RB#99	23.68	23.68	PASS
Band38	20MHz	QPSK	38150	50RB#0	22.89	22.89	PASS
Band38	20MHz	QPSK	38150	50RB#25	22.92	22.92	PASS
Band38	20MHz	QPSK	38150	50RB#50	22.89	22.89	PASS
Band38	20MHz	QPSK	38150	100RB#0	22.91	22.91	PASS
Band38	20MHz	16QAM	38150	1RB#0	22.97	22.97	PASS
Band38	20MHz	16QAM	38150	1RB#49	23.25	23.25	PASS
Band38	20MHz	16QAM	38150	1RB#99	22.86	22.86	PASS
Band38	20MHz	16QAM	38150	50RB#0	21.89	21.89	PASS
Band38	20MHz	16QAM	38150	50RB#25	21.96	21.96	PASS



Band38	20MHz	16QAM	38150	50RB#50	21.86	21.86	PASS
Band38	20MHz	16QAM	38150	100RB#0	21.86	21.86	PASS



P.2 Peak-to-Average Ratio(CCDF)

Test Result

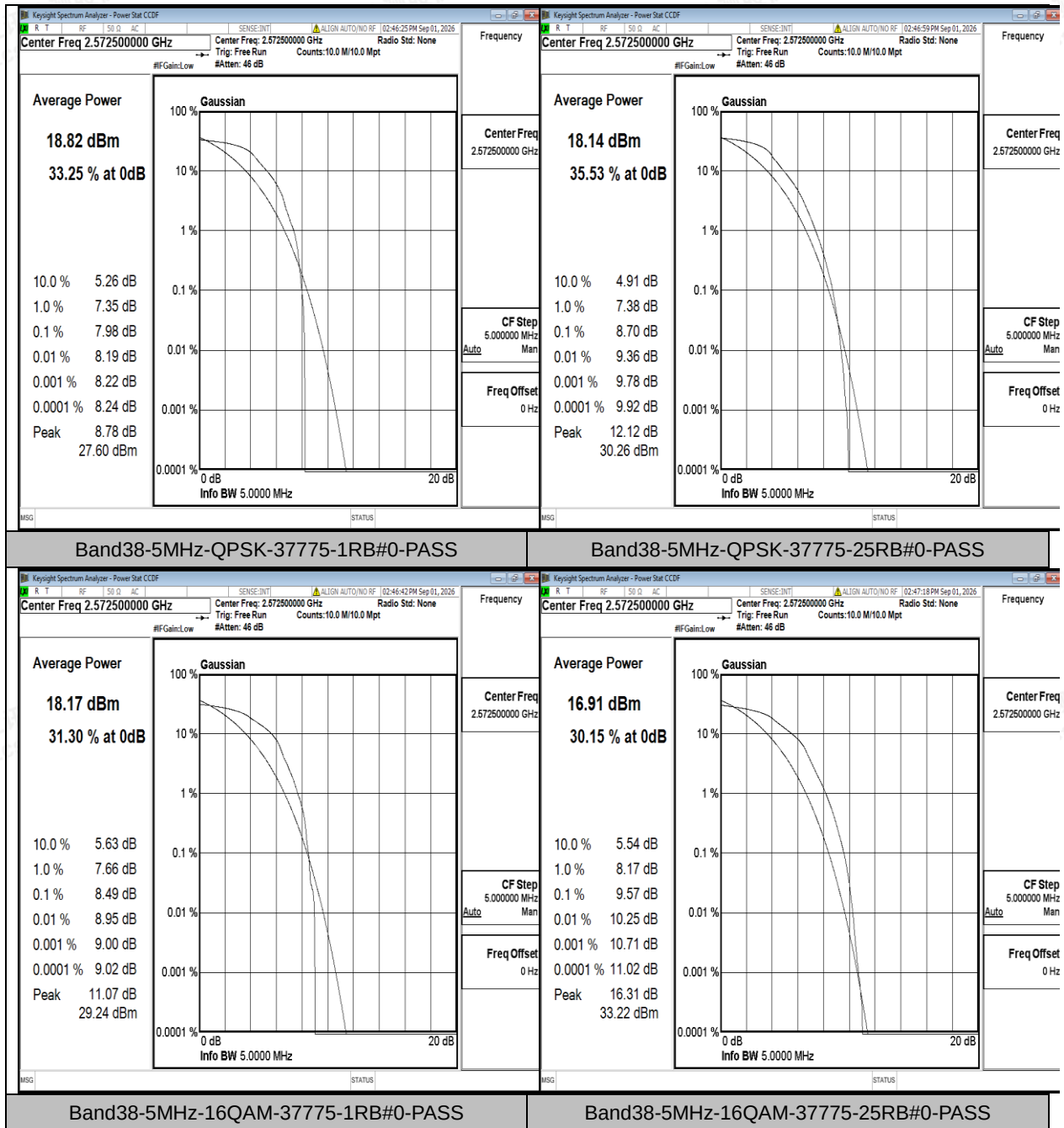
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	7.98	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	8.70	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	8.49	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	9.57	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	8.07	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	8.65	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	8.77	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	9.61	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	8.05	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	8.66	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	8.52	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	9.54	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	8.01	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.78	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	8.71	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.50	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	8.09	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	9.04	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	8.77	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.64	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	7.88	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.55	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	8.86	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.59	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	8.02	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	8.93	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	8.83	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	9.55	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	8.23	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	8.90	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	8.92	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	9.61	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	8.34	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	8.83	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	8.89	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	9.62	13	PASS

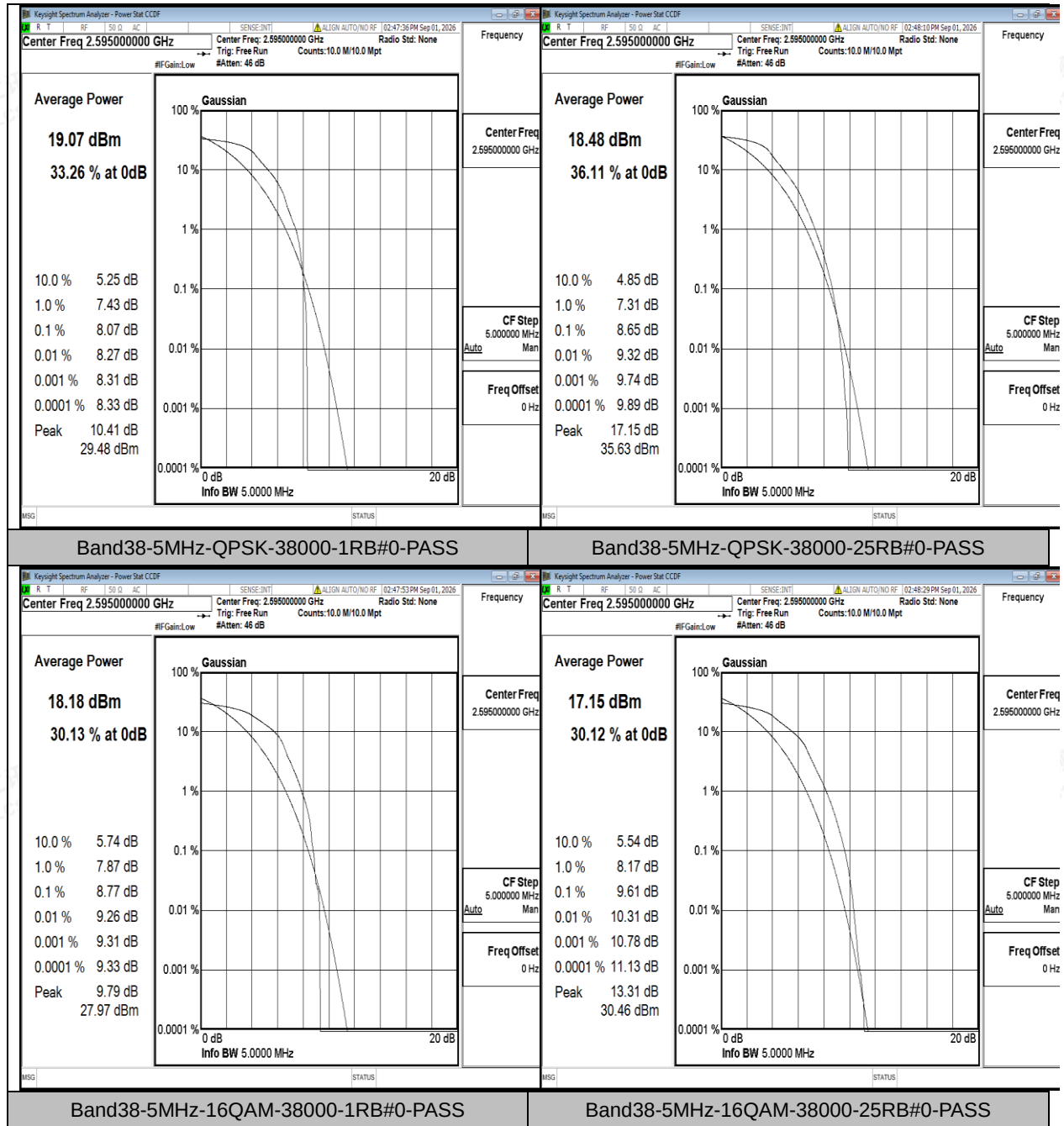


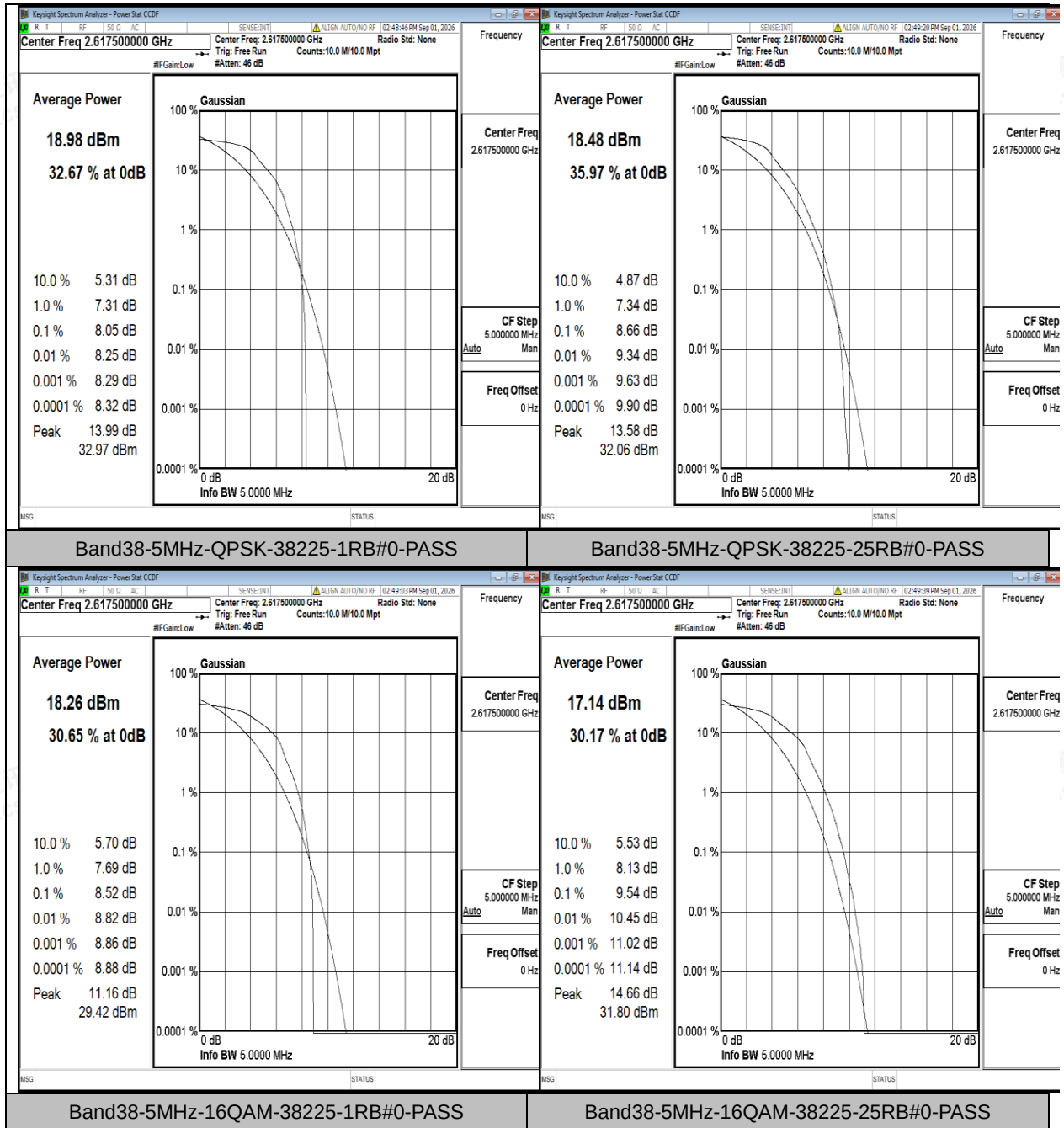
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Band38	20MHz	QPSK	37850	100RB#0	8.79	13	PASS
Band38	20MHz	16QAM	37850	1RB#0	8.61	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	8.85	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	7.82	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	8.73	13	PASS
Band38	20MHz	16QAM	38000	1RB#0	8.99	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.53	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	8.02	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	8.94	13	PASS
Band38	20MHz	16QAM	38150	1RB#0	9.50	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.41	13	PASS

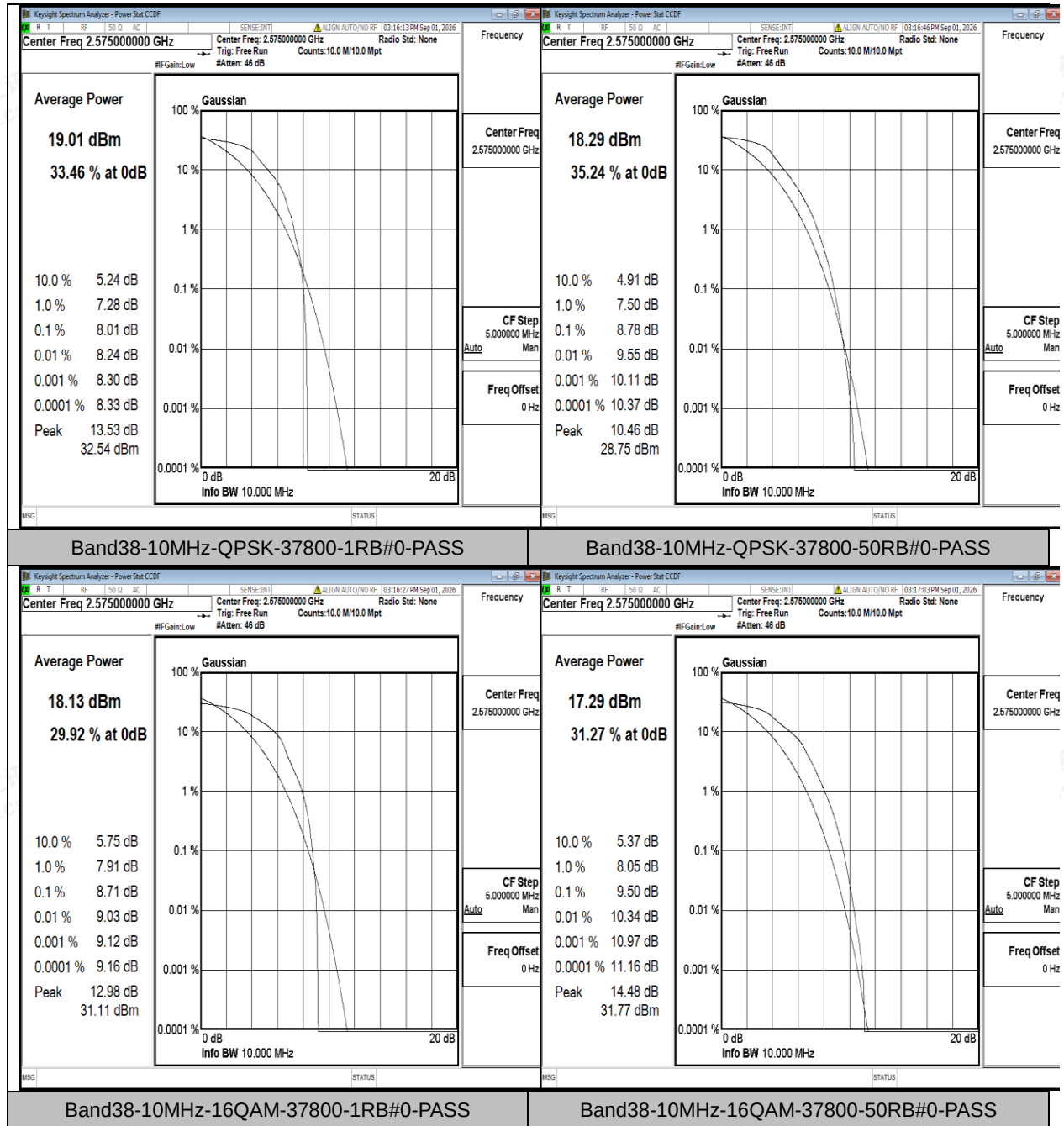


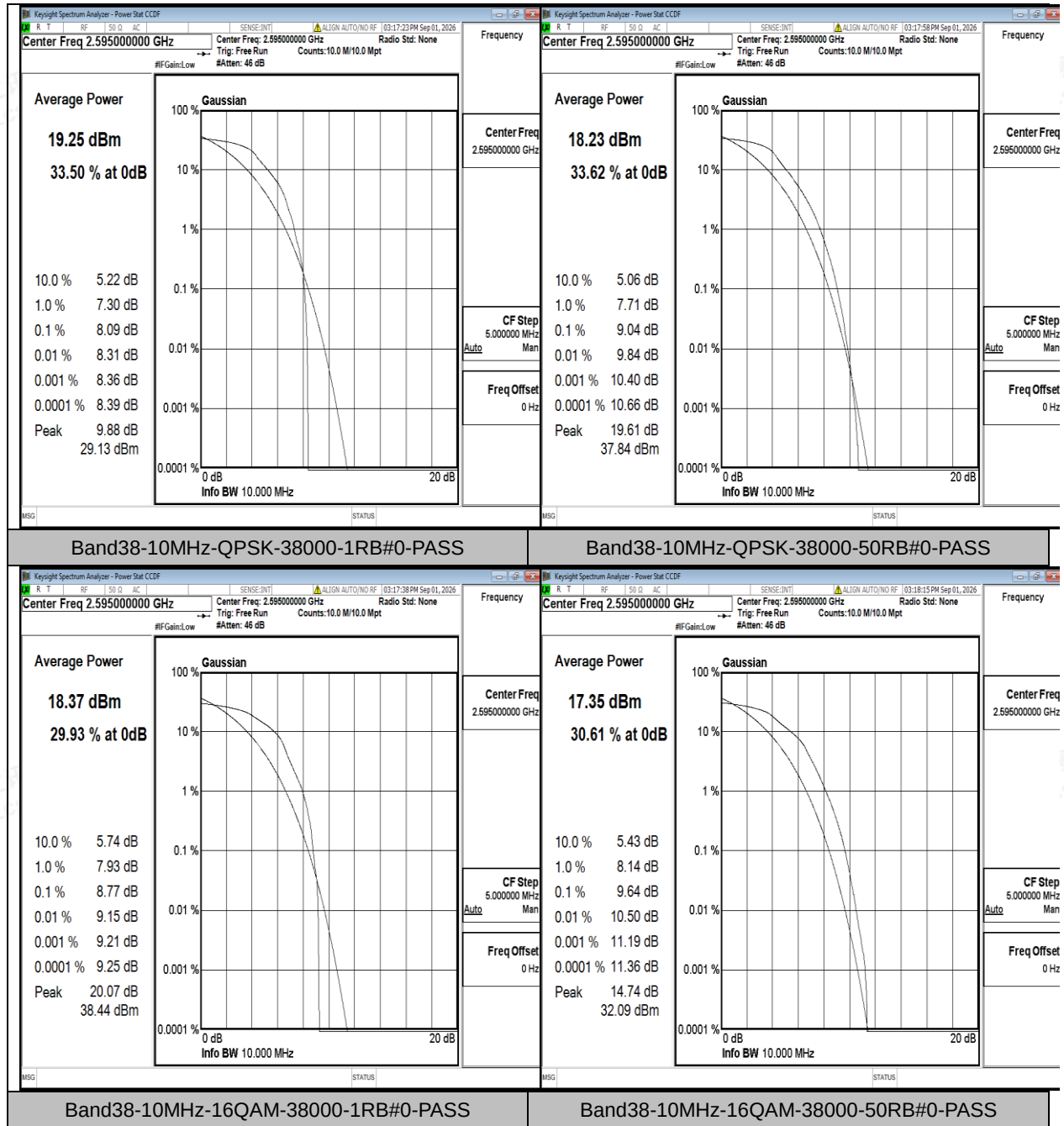
Test Graphs

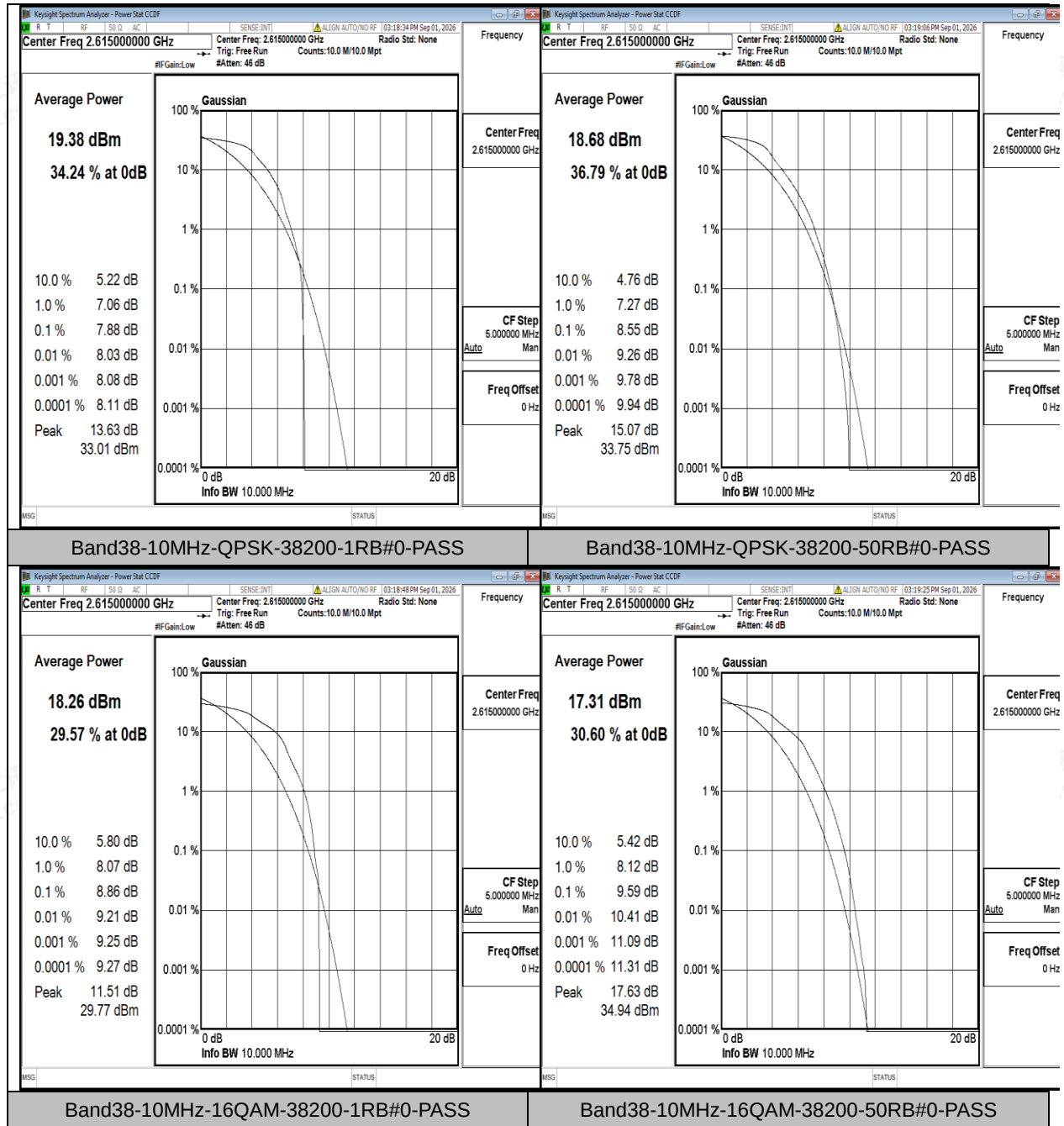


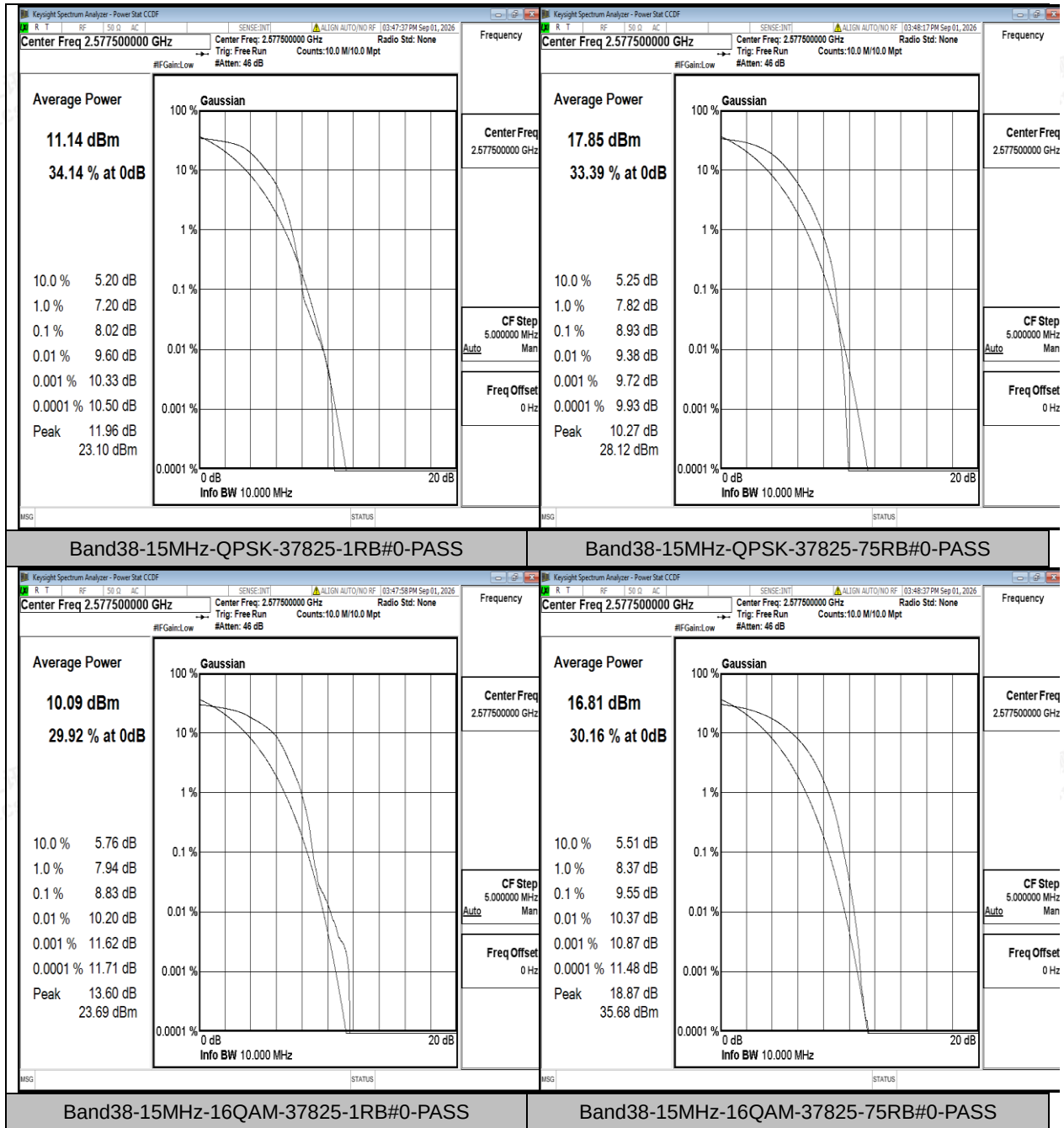


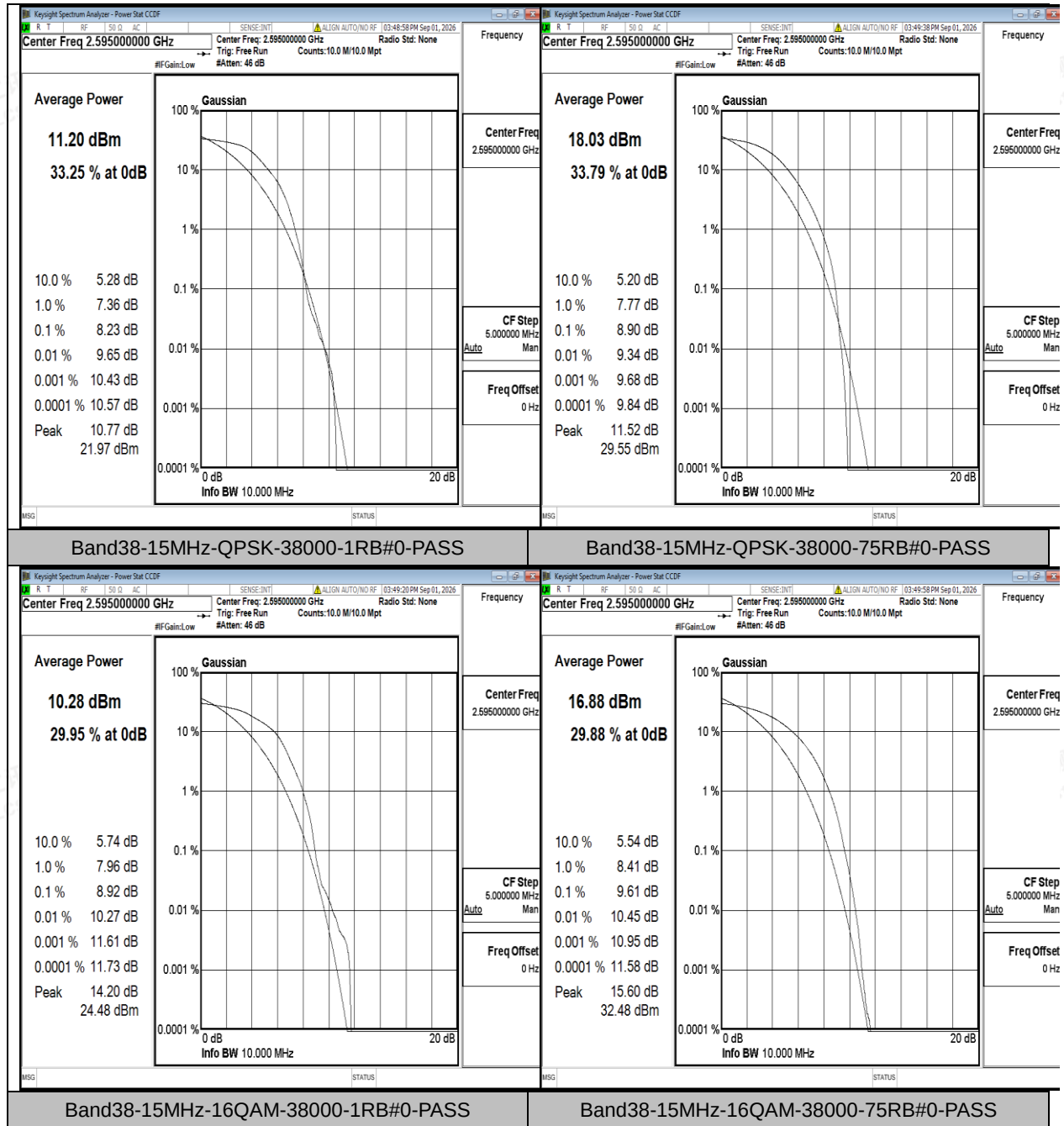


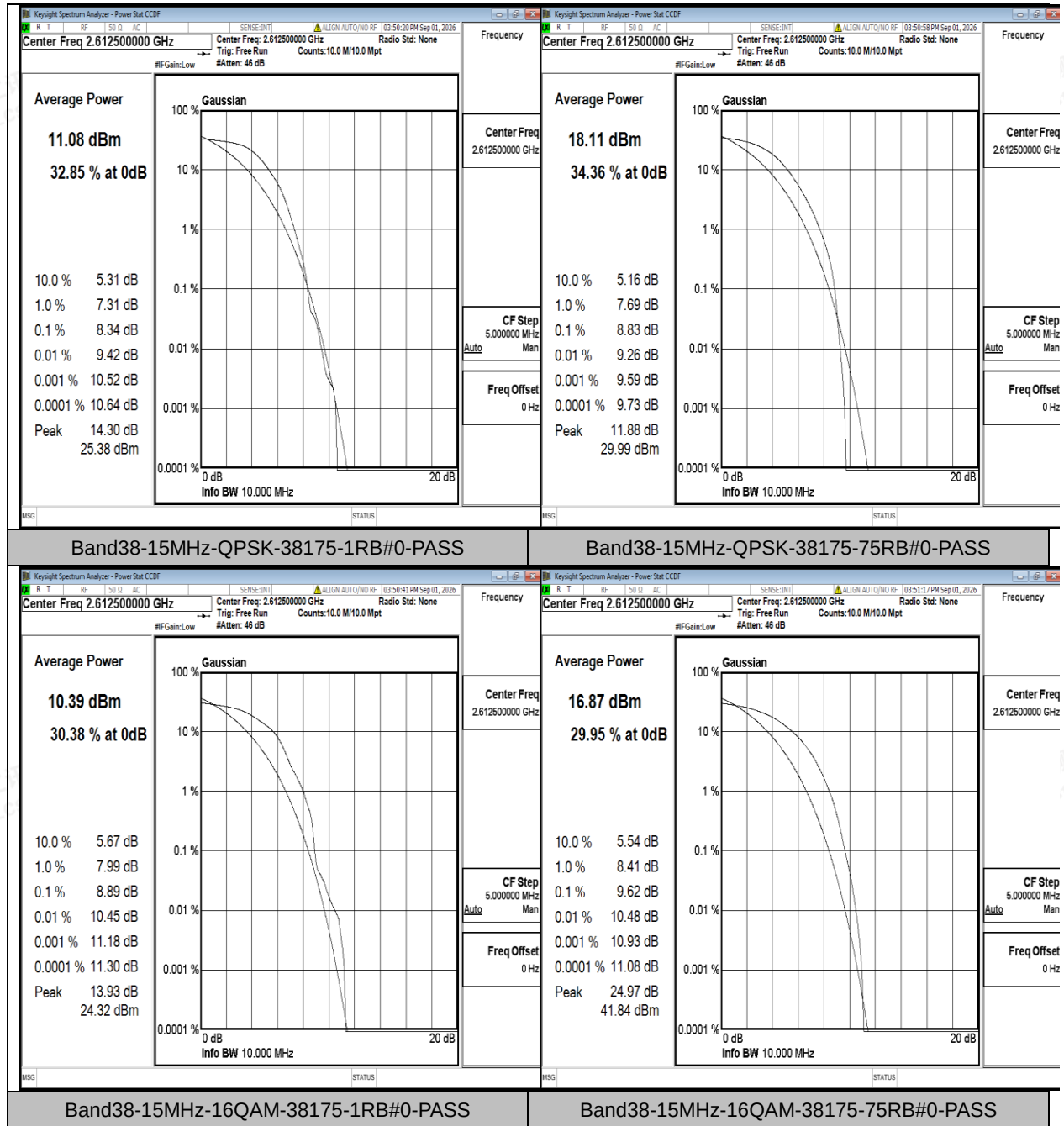


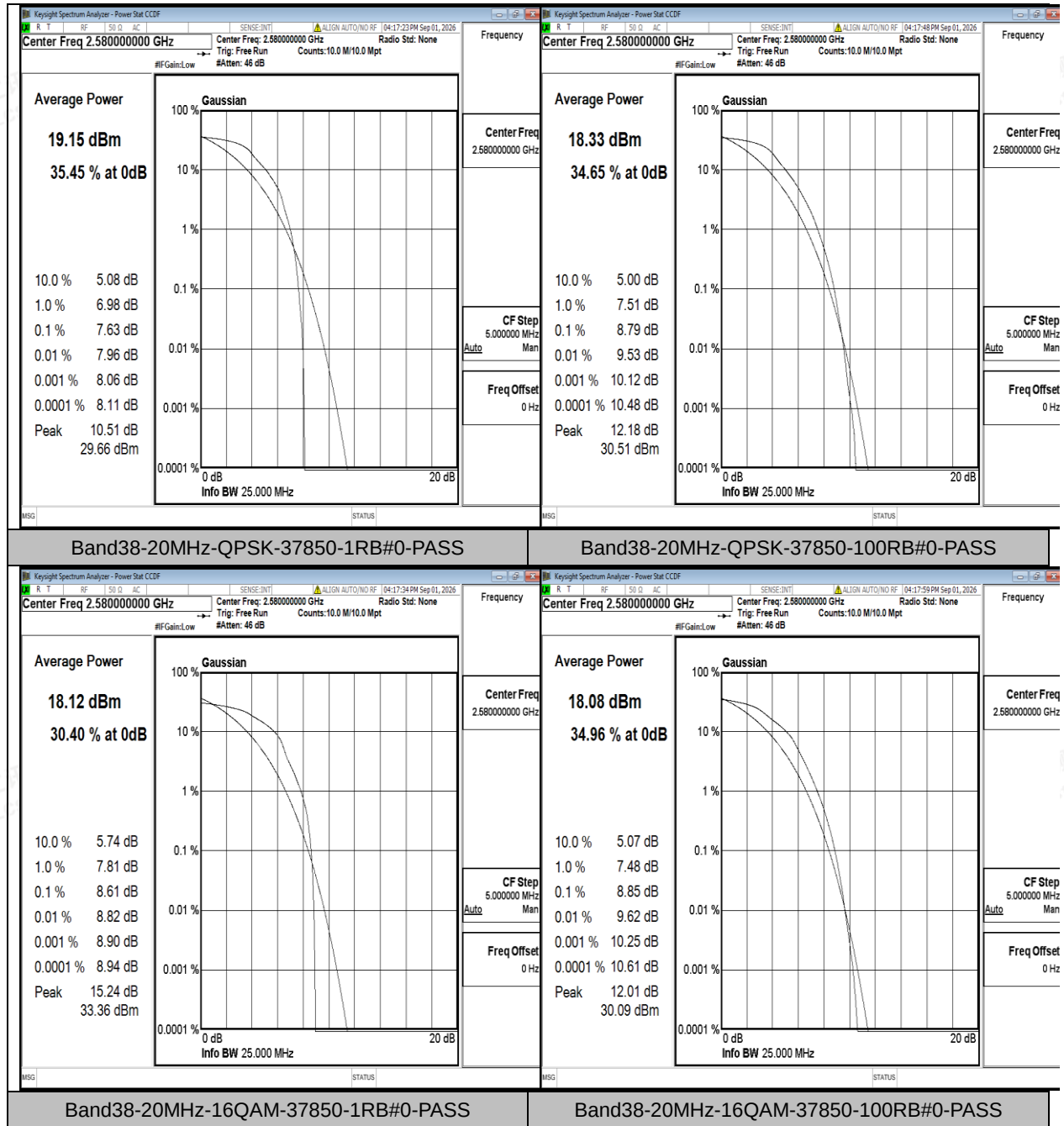


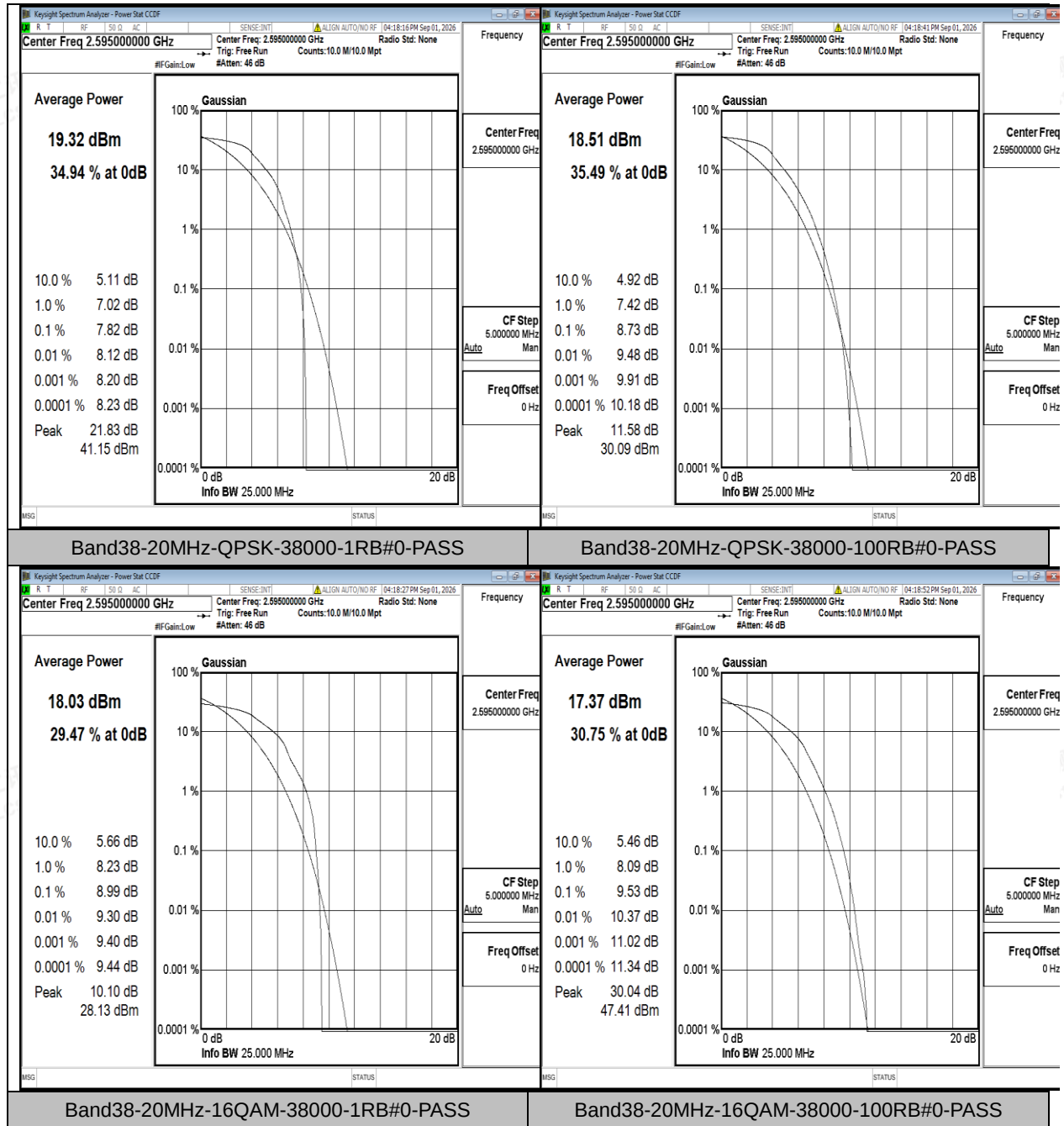


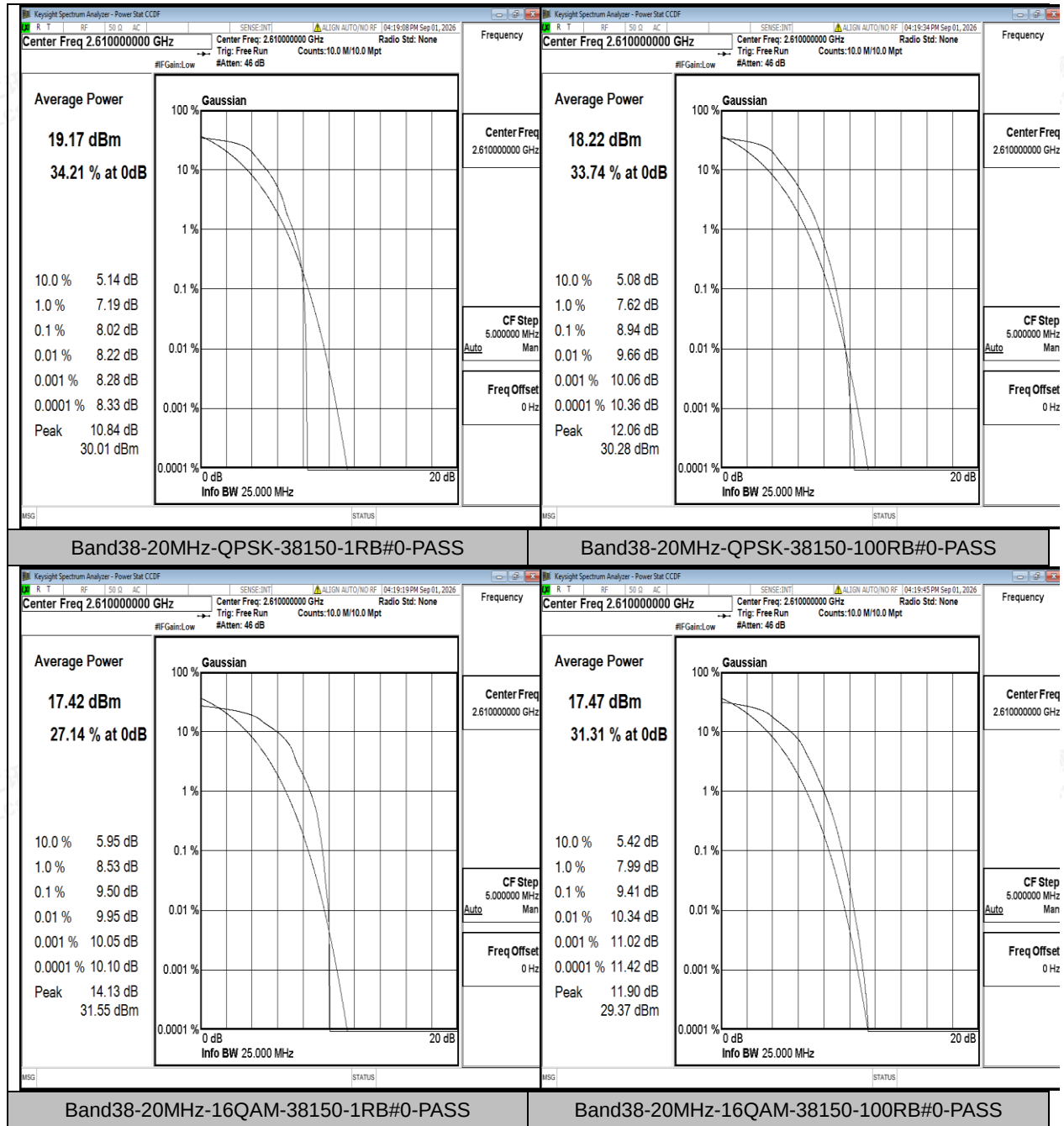














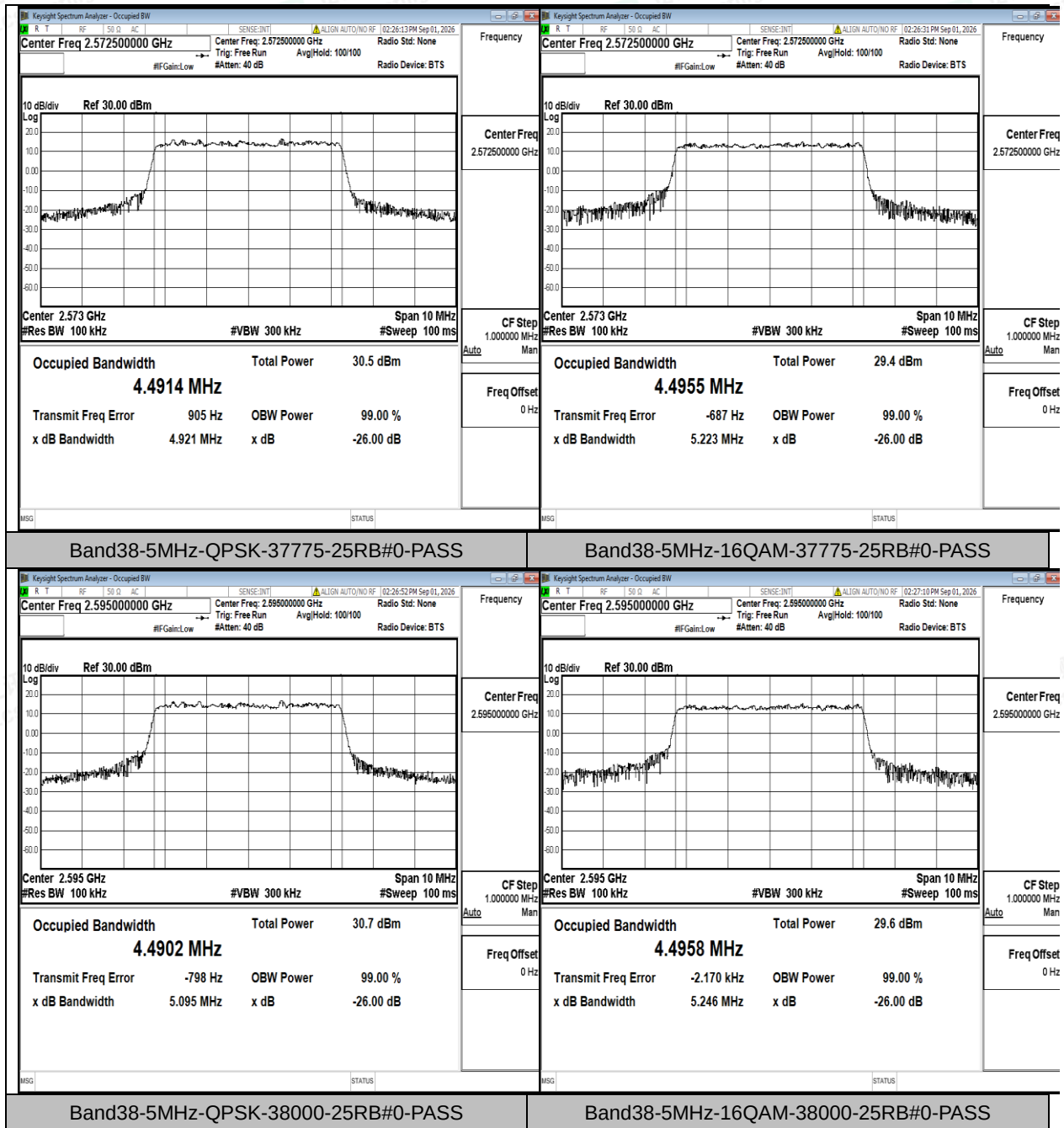
P.3 26dB Bandwidth and Occupied Bandwidth

Test Result

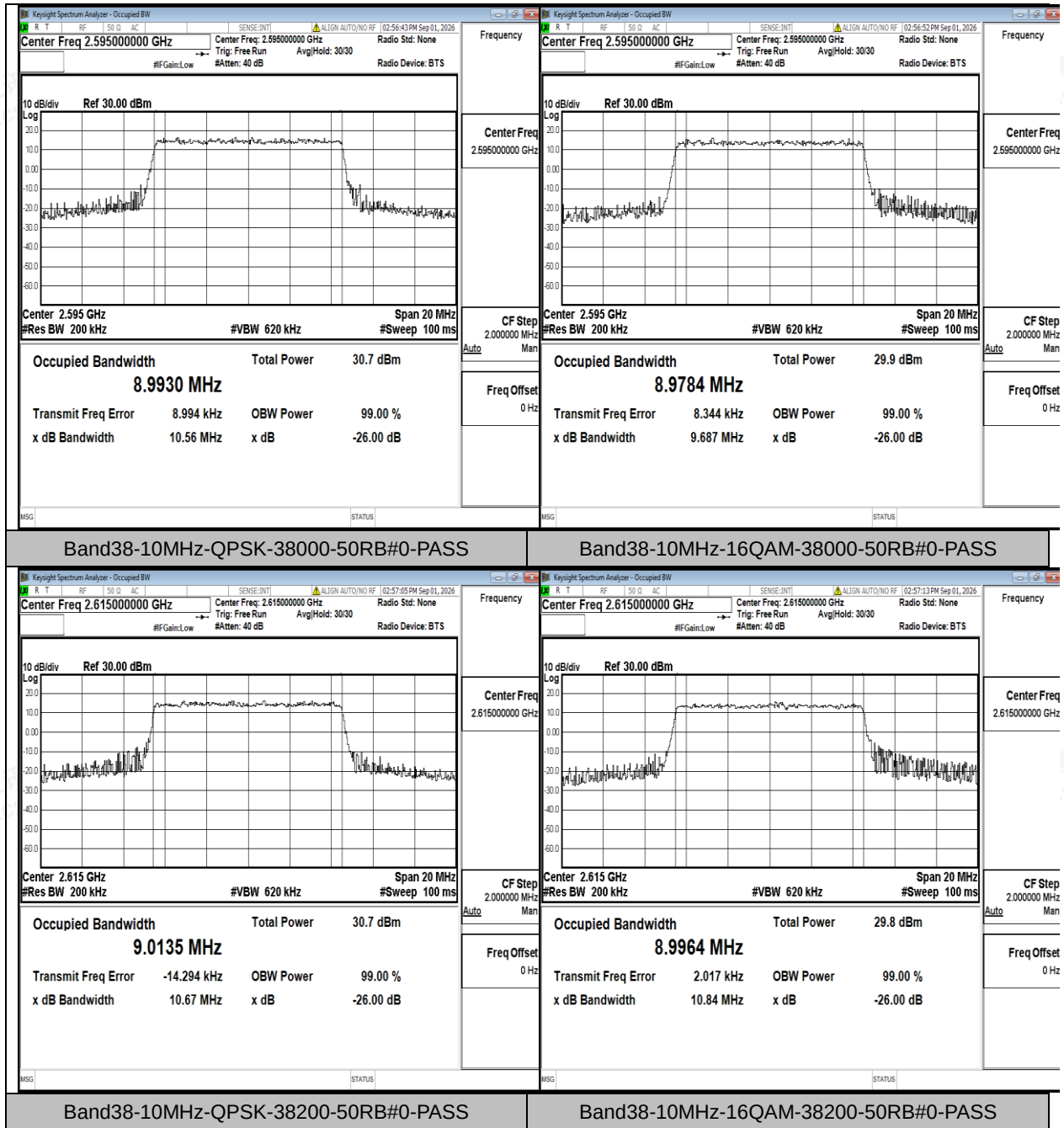
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.4914	4.921	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.4955	5.223	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.4902	5.095	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4958	5.246	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4973	5.216	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4943	4.928	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9842	9.814	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9957	9.762	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9930	10.56	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9784	9.687	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.0135	10.67	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9964	10.84	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.493	15.08	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.481	15.66	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.476	14.88	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.481	15.17	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.455	15.30	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.518	15.91	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.981	19.86	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.935	19.76	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.985	19.93	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.924	19.36	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.937	19.53	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.965	20.84	PASS

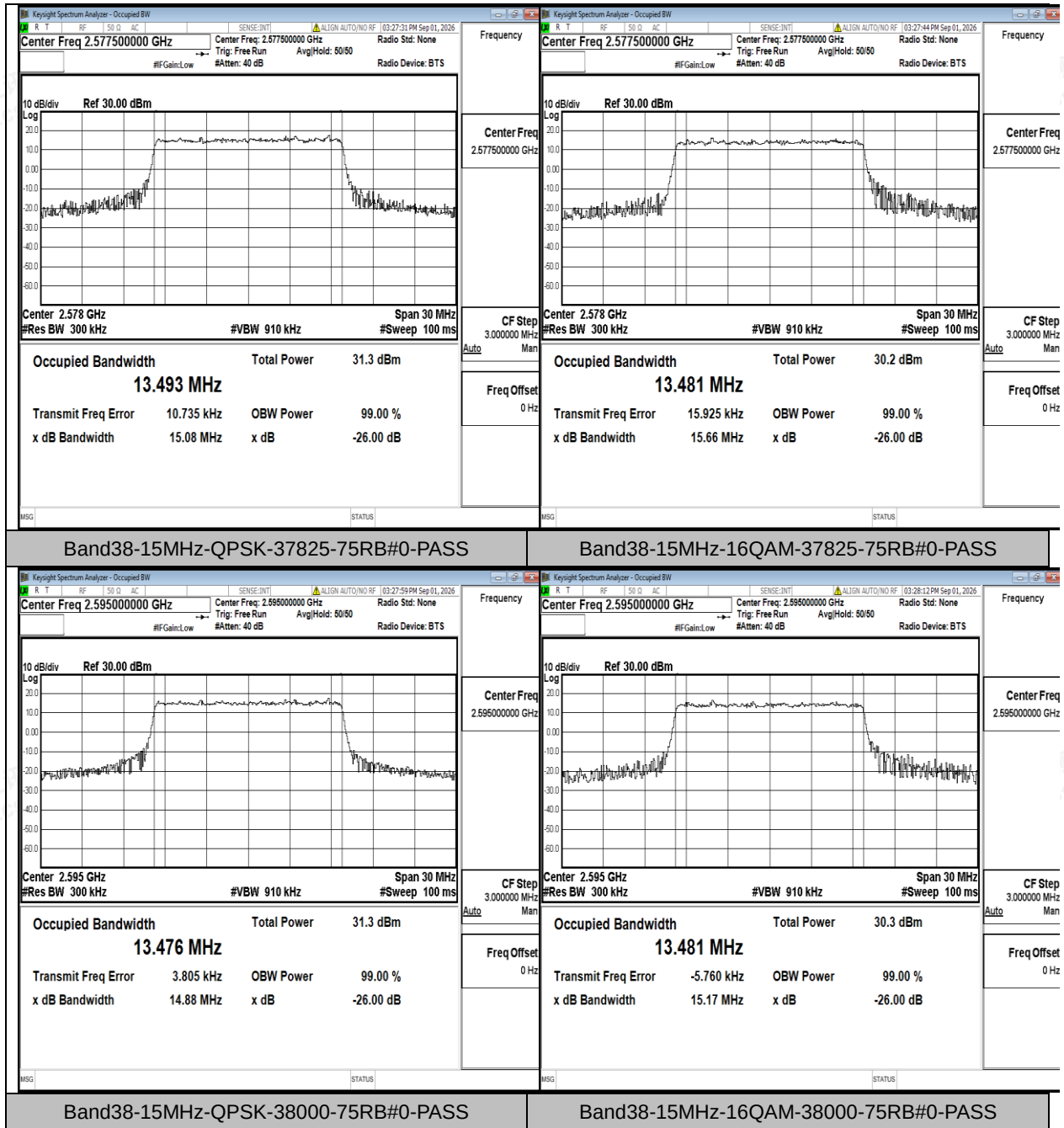


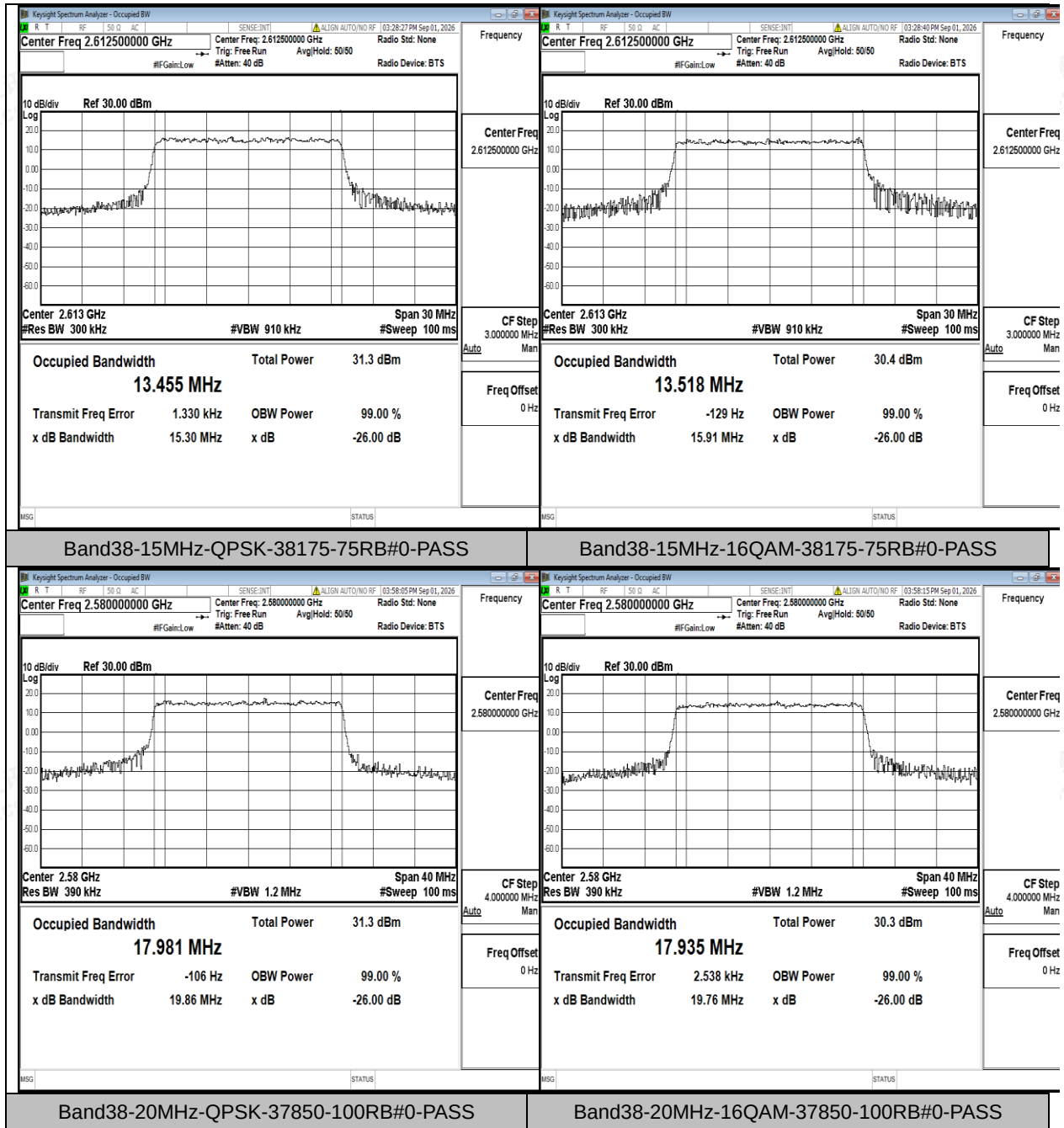
Test Graphs

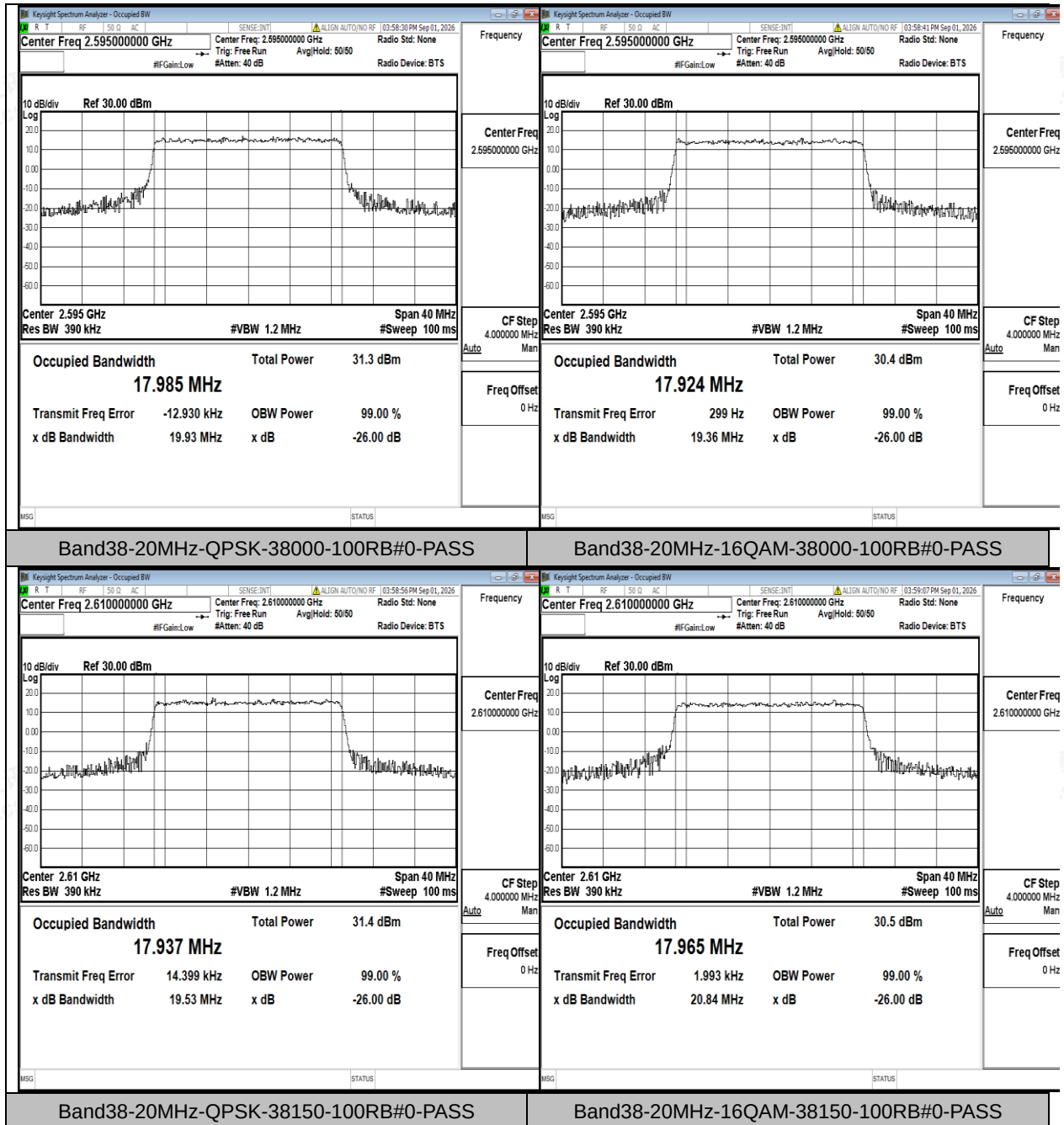














P.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Margin (dB)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	-38.00	3.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	-39.00	4.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	-37.00	2.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	-36.00	1.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	-35.00	3.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	-36.00	4.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	-35.00	3.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	-34.00	2.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	-33.00	2.80	PASS
Band38	15MHz	16QAM	37825	75RB#0	-34.00	3.80	PASS
Band38	15MHz	QPSK	38175	75RB#0	-33.00	2.80	PASS
Band38	15MHz	16QAM	38175	75RB#0	-33.00	2.80	PASS
Band38	20MHz	QPSK	37850	100RB#0	-32.00	2.90	PASS
Band38	20MHz	16QAM	37850	100RB#0	-33.00	3.90	PASS
Band38	20MHz	QPSK	38150	100RB#0	-32.00	2.90	PASS
Band38	20MHz	16QAM	38150	100RB#0	-32.00	2.90	PASS

Test Graphs

