



Appendix N: Test Data for E-UTRA Band 38

Product Name: Tablet

Test Model: HIP-T69

Environmental Conditions

Temperature:	23.9°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Jose Zhu
Supervised by:	Nick Peng



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N.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	21.44	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.54	PASS
Band38	5MHz	QPSK	37775	1RB#12	21.34	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.33	PASS
Band38	5MHz	QPSK	37775	1RB#24	21.31	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.44	PASS
Band38	5MHz	QPSK	37775	12RB#0	20.54	PASS
Band38	5MHz	16QAM	37775	12RB#0	19.61	PASS
Band38	5MHz	QPSK	37775	12RB#6	20.57	PASS
Band38	5MHz	16QAM	37775	12RB#6	19.62	PASS
Band38	5MHz	QPSK	37775	12RB#13	20.51	PASS
Band38	5MHz	16QAM	37775	12RB#13	19.56	PASS
Band38	5MHz	QPSK	37775	25RB#0	20.40	PASS
Band38	5MHz	16QAM	37775	25RB#0	19.74	PASS
Band38	5MHz	QPSK	38000	1RB#0	20.96	PASS
Band38	5MHz	16QAM	38000	1RB#0	20.61	PASS
Band38	5MHz	QPSK	38000	1RB#12	20.97	PASS
Band38	5MHz	16QAM	38000	1RB#12	20.72	PASS
Band38	5MHz	QPSK	38000	1RB#24	21.02	PASS
Band38	5MHz	16QAM	38000	1RB#24	20.74	PASS
Band38	5MHz	QPSK	38000	12RB#0	20.25	PASS
Band38	5MHz	16QAM	38000	12RB#0	19.37	PASS
Band38	5MHz	QPSK	38000	12RB#6	20.27	PASS
Band38	5MHz	16QAM	38000	12RB#6	19.38	PASS
Band38	5MHz	QPSK	38000	12RB#13	20.23	PASS
Band38	5MHz	16QAM	38000	12RB#13	19.31	PASS
Band38	5MHz	QPSK	38000	25RB#0	20.17	PASS
Band38	5MHz	16QAM	38000	25RB#0	19.41	PASS
Band38	5MHz	QPSK	38225	1RB#0	21.99	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.67	PASS
Band38	5MHz	QPSK	38225	1RB#12	21.81	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.21	PASS
Band38	5MHz	QPSK	38225	1RB#24	21.90	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.60	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.16	PASS



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Band38	5MHz	16QAM	38225	12RB#0	20.32	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.17	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.33	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.12	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.26	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.17	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.35	PASS
Band38	10MHz	QPSK	37800	1RB#0	22.70	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.16	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.61	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.15	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.47	PASS
Band38	10MHz	16QAM	37800	1RB#49	21.44	PASS
Band38	10MHz	QPSK	37800	25RB#0	21.31	PASS
Band38	10MHz	16QAM	37800	25RB#0	20.67	PASS
Band38	10MHz	QPSK	37800	25RB#12	21.32	PASS
Band38	10MHz	16QAM	37800	25RB#12	20.67	PASS
Band38	10MHz	QPSK	37800	25RB#25	21.31	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.60	PASS
Band38	10MHz	QPSK	37800	50RB#0	21.39	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.63	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.18	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.61	PASS
Band38	10MHz	QPSK	38000	1RB#24	22.22	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.63	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.20	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.52	PASS
Band38	10MHz	QPSK	38000	25RB#0	21.41	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.88	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.42	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.88	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.46	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.78	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.37	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.51	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.27	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.92	PASS
Band38	10MHz	QPSK	38200	1RB#24	22.20	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.18	PASS
Band38	10MHz	QPSK	38200	1RB#49	21.87	PASS



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Band38	10MHz	16QAM	38200	1RB#49	21.09	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.23	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.23	PASS
Band38	10MHz	QPSK	38200	25RB#25	20.98	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.16	PASS
Band38	10MHz	QPSK	38200	50RB#0	20.92	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.40	PASS
Band38	15MHz	QPSK	37825	1RB#0	22.72	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.42	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.56	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.10	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.46	PASS
Band38	15MHz	16QAM	37825	1RB#74	22.17	PASS
Band38	15MHz	QPSK	37825	38RB#0	21.50	PASS
Band38	15MHz	16QAM	37825	38RB#0	21.50	PASS
Band38	15MHz	QPSK	37825	38RB#18	21.51	PASS
Band38	15MHz	16QAM	37825	38RB#18	21.34	PASS
Band38	15MHz	QPSK	37825	38RB#37	21.34	PASS
Band38	15MHz	16QAM	37825	38RB#37	21.34	PASS
Band38	15MHz	QPSK	37825	75RB#0	21.34	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.66	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.58	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.07	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.53	PASS
Band38	15MHz	16QAM	38000	1RB#38	21.13	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.63	PASS
Band38	15MHz	16QAM	38000	1RB#74	20.61	PASS
Band38	15MHz	QPSK	38000	38RB#0	21.30	PASS
Band38	15MHz	16QAM	38000	38RB#0	21.11	PASS
Band38	15MHz	QPSK	38000	38RB#18	21.11	PASS
Band38	15MHz	16QAM	38000	38RB#18	21.13	PASS
Band38	15MHz	QPSK	38000	38RB#37	21.14	PASS
Band38	15MHz	16QAM	38000	38RB#37	21.13	PASS
Band38	15MHz	QPSK	38000	75RB#0	21.13	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.42	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.29	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.93	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.22	PASS



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Band38	15MHz	16QAM	38175	1RB#38	21.84	PASS
Band38	15MHz	QPSK	38175	1RB#74	22.21	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.77	PASS
Band38	15MHz	QPSK	38175	38RB#0	21.25	PASS
Band38	15MHz	16QAM	38175	38RB#0	21.25	PASS
Band38	15MHz	QPSK	38175	38RB#18	21.25	PASS
Band38	15MHz	16QAM	38175	38RB#18	21.25	PASS
Band38	15MHz	QPSK	38175	38RB#37	21.25	PASS
Band38	15MHz	16QAM	38175	38RB#37	21.25	PASS
Band38	15MHz	QPSK	38175	75RB#0	21.25	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.45	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.35	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.71	PASS
Band38	20MHz	QPSK	37850	1RB#49	22.08	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.39	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.08	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.39	PASS
Band38	20MHz	QPSK	37850	50RB#0	21.65	PASS
Band38	20MHz	16QAM	37850	50RB#0	20.96	PASS
Band38	20MHz	QPSK	37850	50RB#25	21.66	PASS
Band38	20MHz	16QAM	37850	50RB#25	20.75	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.14	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.53	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.24	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.59	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.48	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.66	PASS
Band38	20MHz	QPSK	38000	1RB#49	22.52	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.58	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.53	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.51	PASS
Band38	20MHz	QPSK	38000	50RB#0	21.43	PASS
Band38	20MHz	16QAM	38000	50RB#0	20.61	PASS
Band38	20MHz	QPSK	38000	50RB#25	21.44	PASS
Band38	20MHz	16QAM	38000	50RB#25	20.61	PASS
Band38	20MHz	QPSK	38000	50RB#50	21.16	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.48	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.20	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.34	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.10	PASS



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Band38	20MHz	16QAM	38150	1RB#0	22.04	PASS
Band38	20MHz	QPSK	38150	1RB#49	22.08	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.92	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.81	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.24	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.61	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.25	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.61	PASS
Band38	20MHz	QPSK	38150	50RB#50	21.13	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.46	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.23	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.53	PASS



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N.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	8.67	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	8.96	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	9.15	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	9.69	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	8.85	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	9.42	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	9.12	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	9.62	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	8.27	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	8.57	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	9.14	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	9.50	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	8.35	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	8.89	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.00	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.64	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	8.91	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	9.07	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.94	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	10.02	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	8.34	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	8.78	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.90	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.46	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	8.50	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	8.93	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	9.30	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	10.23	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	8.46	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	9.20	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	9.29	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	10.12	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	8.59	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	9.13	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	9.23	13	PASS



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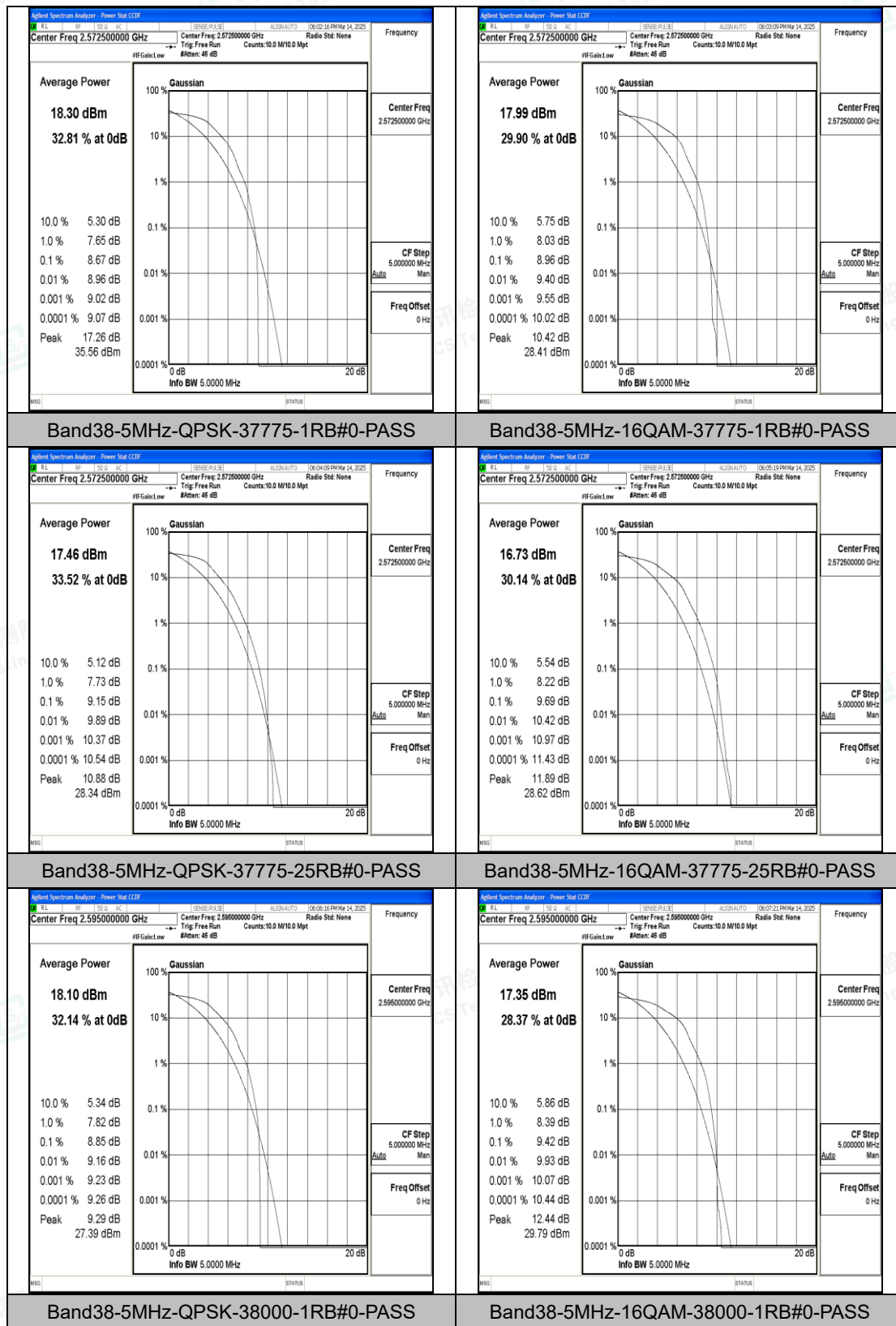


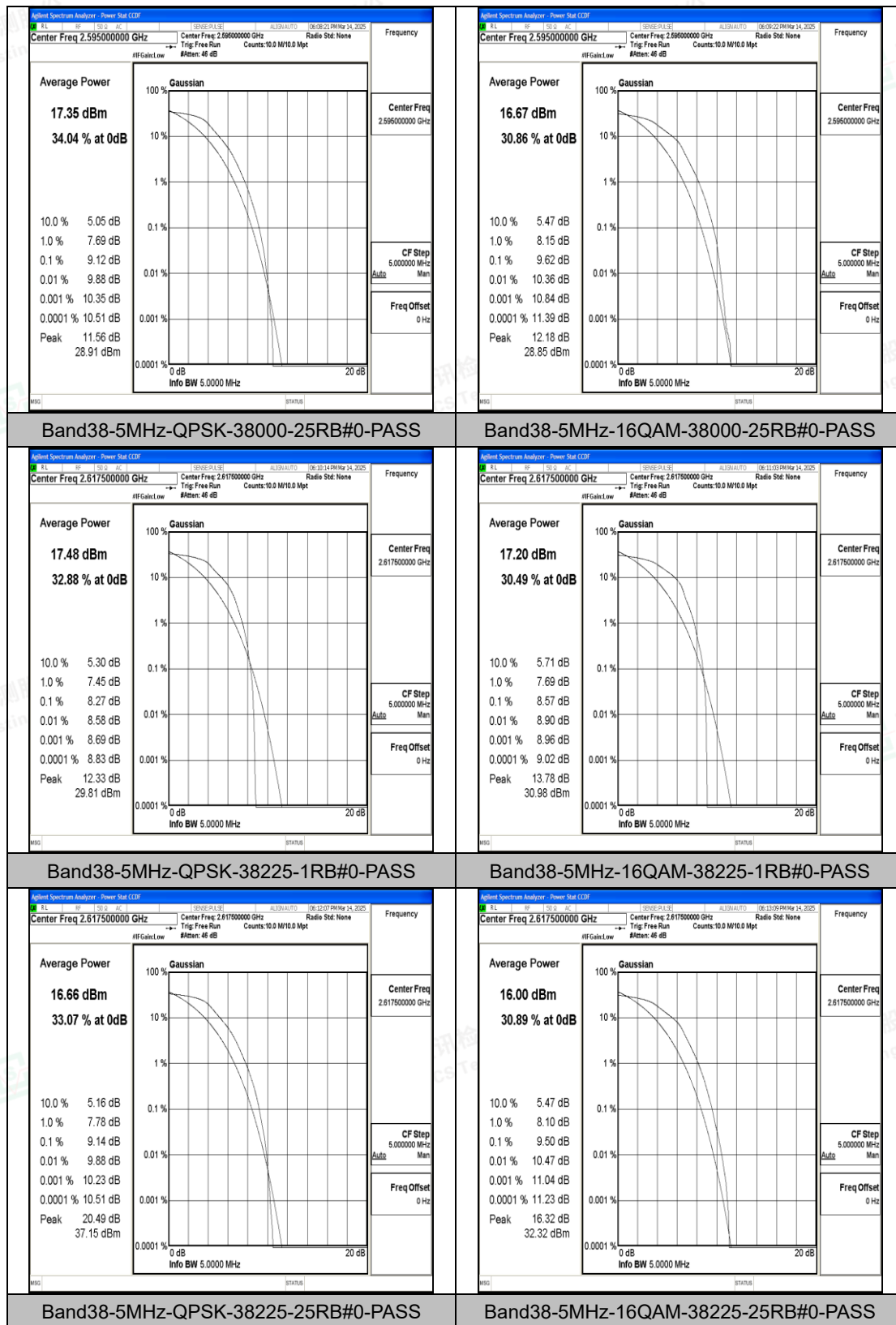
Band38	15MHz	16QAM	38175	75RB#0	9.86	13	PASS
Band38	20MHz	QPSK	37850	1RB#0	7.95	13	PASS
Band38	20MHz	16QAM	37850	1RB#0	8.76	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	9.05	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.81	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	8.47	13	PASS
Band38	20MHz	16QAM	38000	1RB#0	9.40	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	9.18	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.62	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	8.31	13	PASS
Band38	20MHz	16QAM	38150	1RB#0	9.30	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	8.98	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.20	13	PASS





Test Graphs



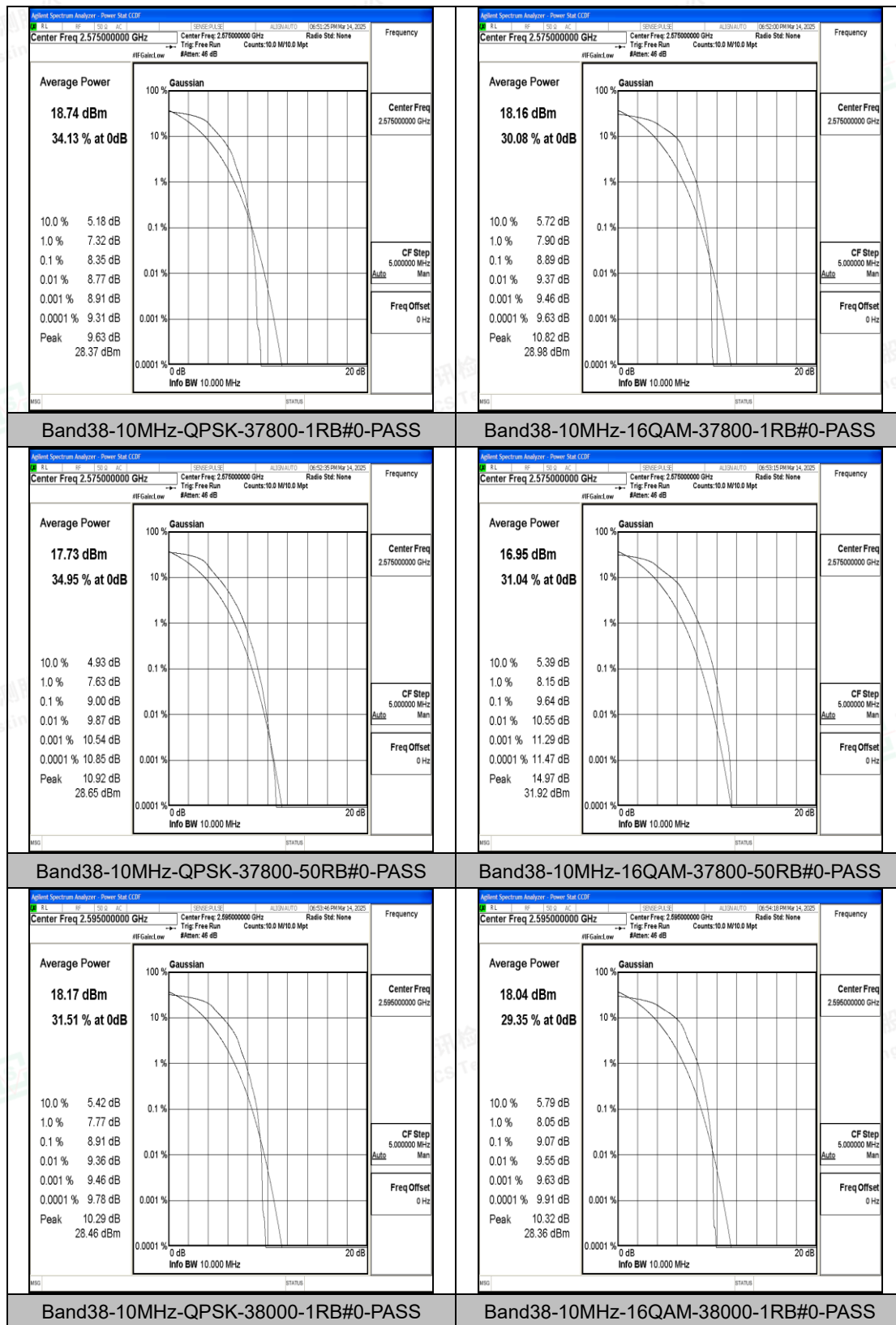


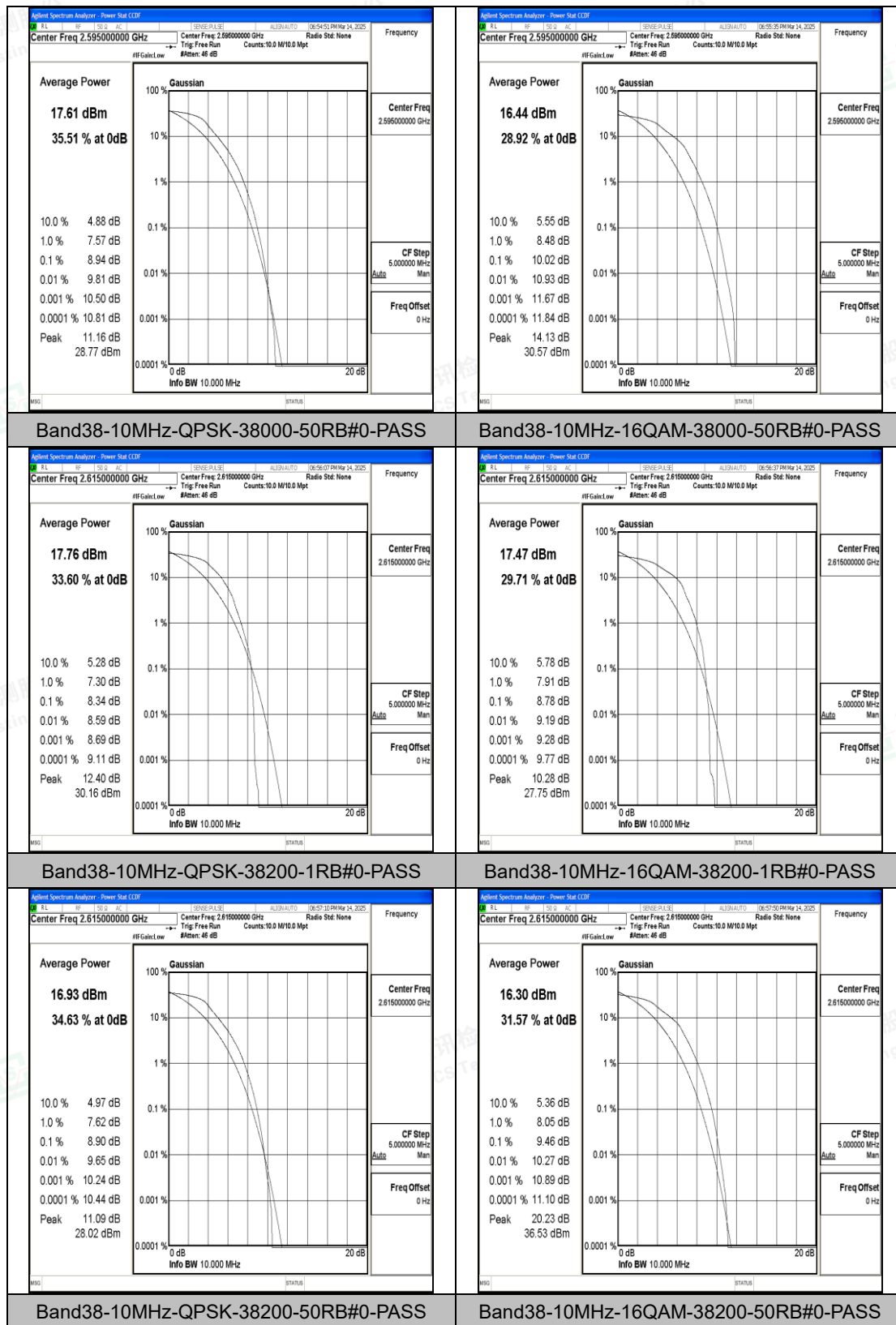
Shenzhen LCS Compliance Testing Laboratory Ltd.

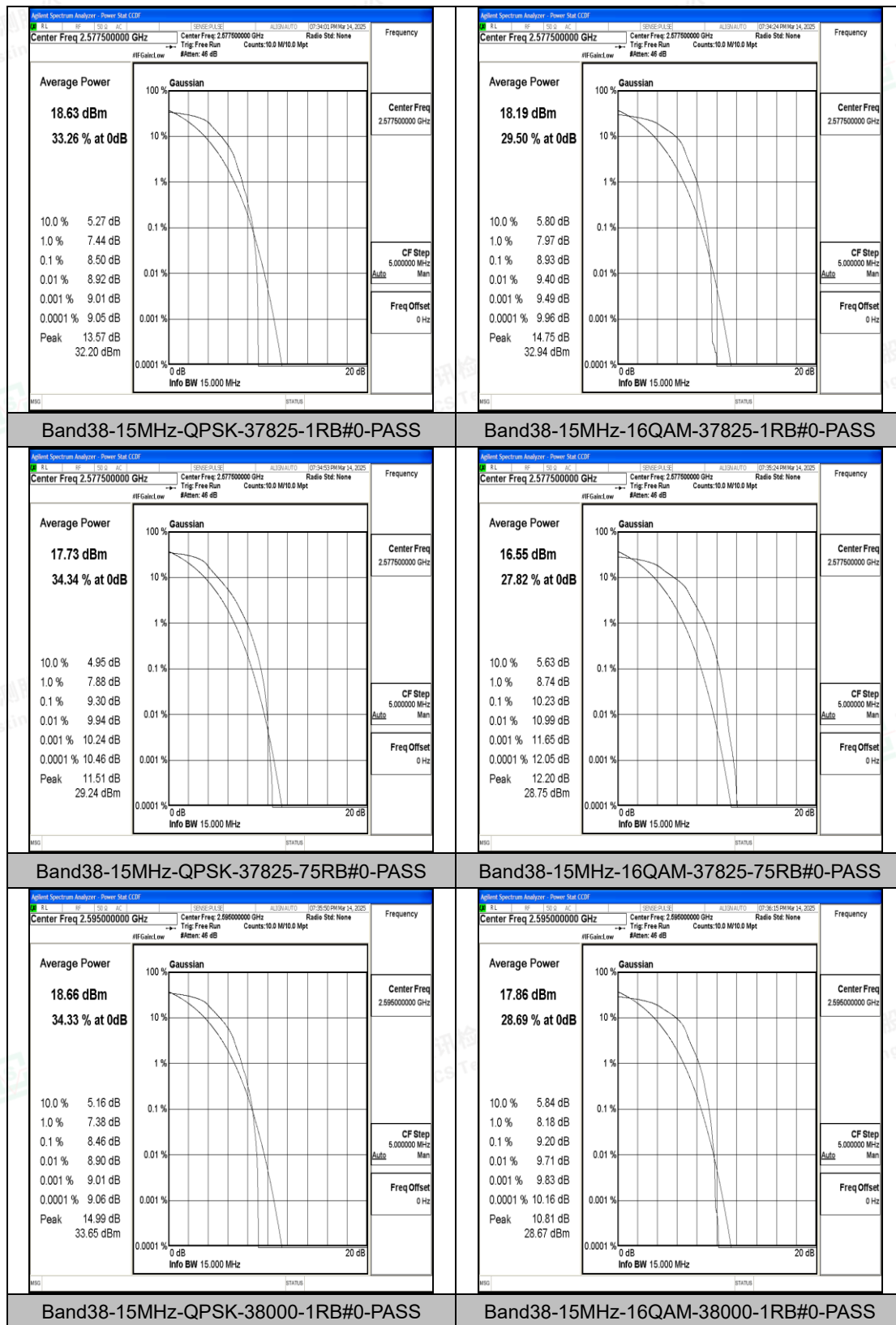
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

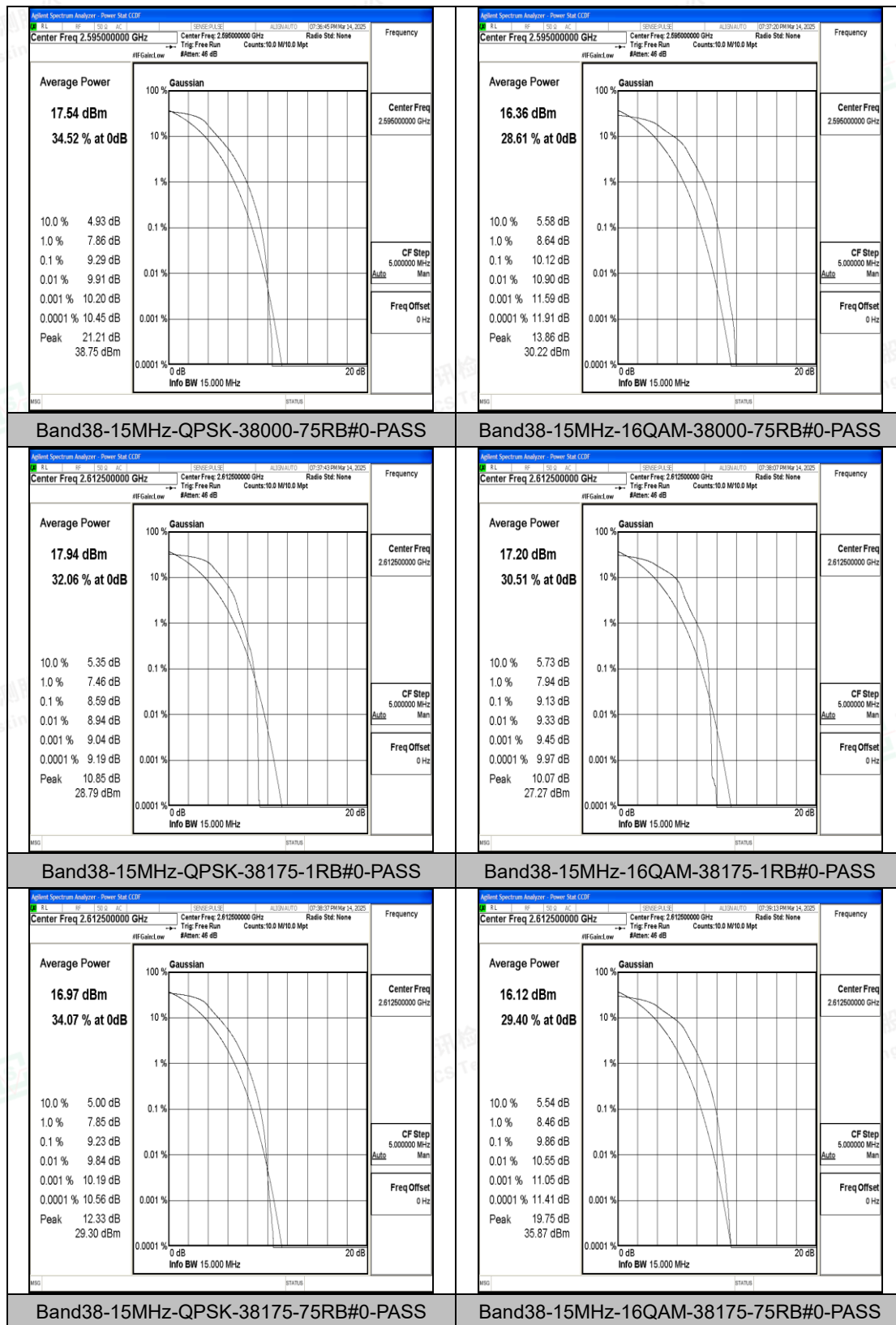
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

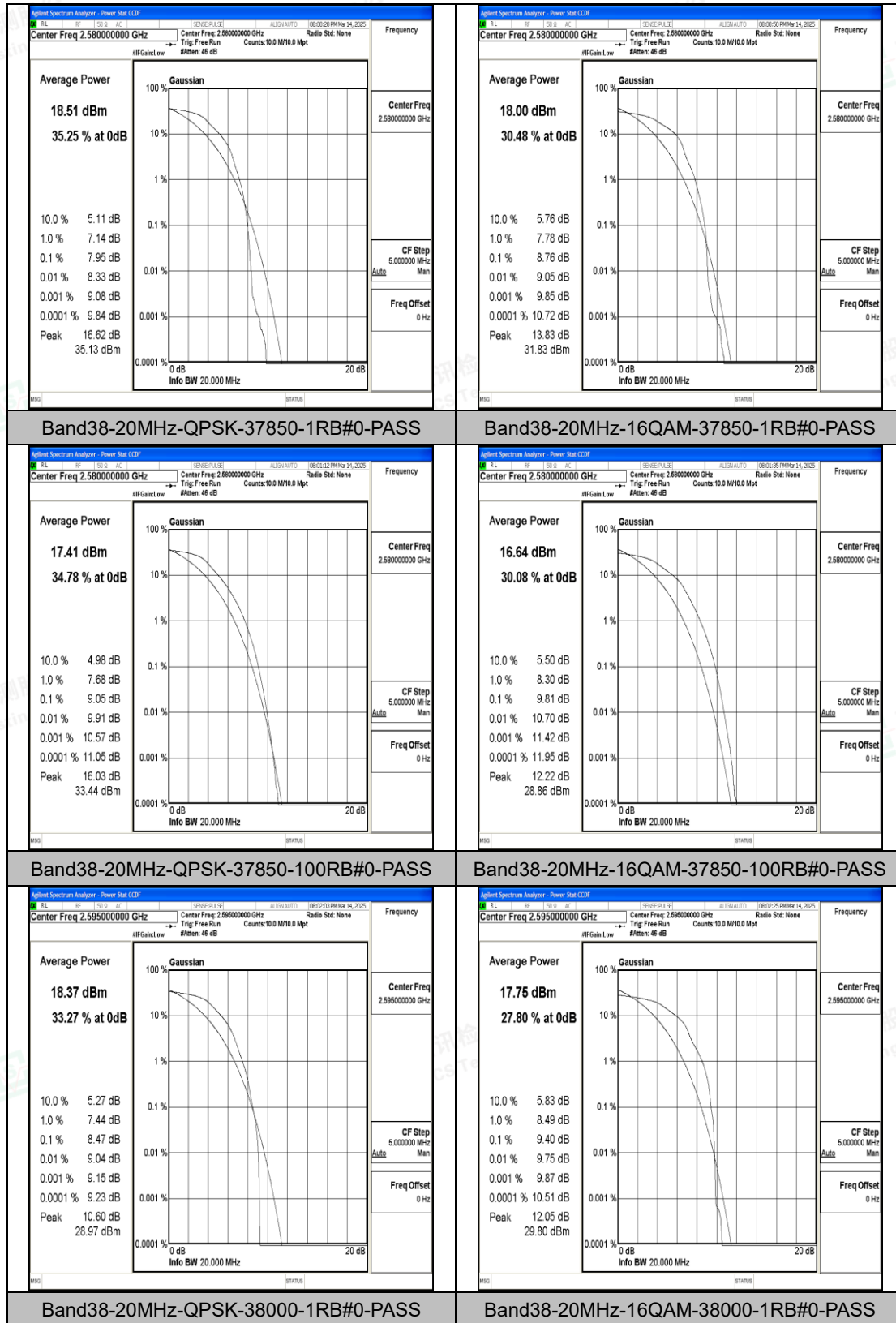
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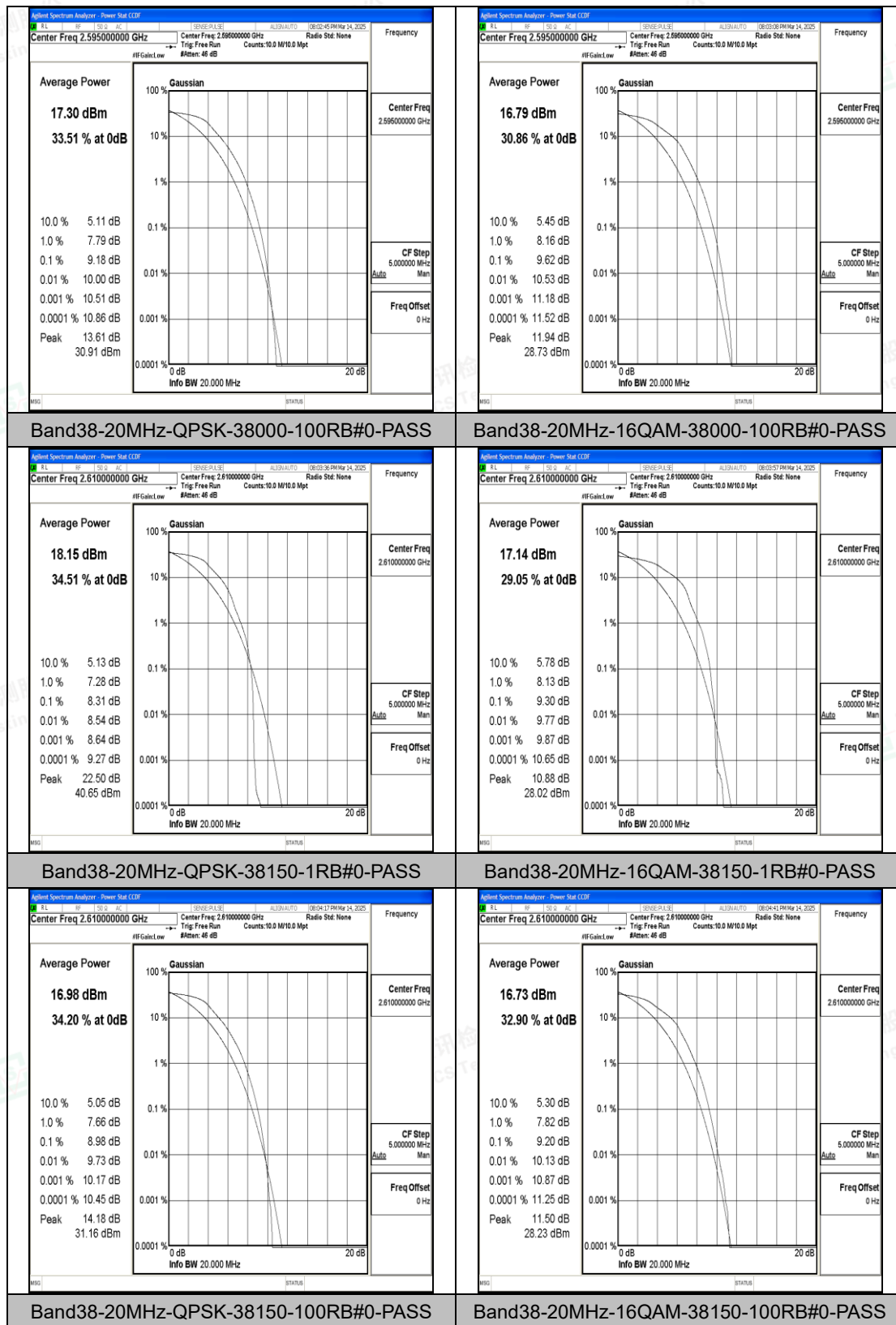














N.3 26dB Bandwidth and Occupied Bandwidth

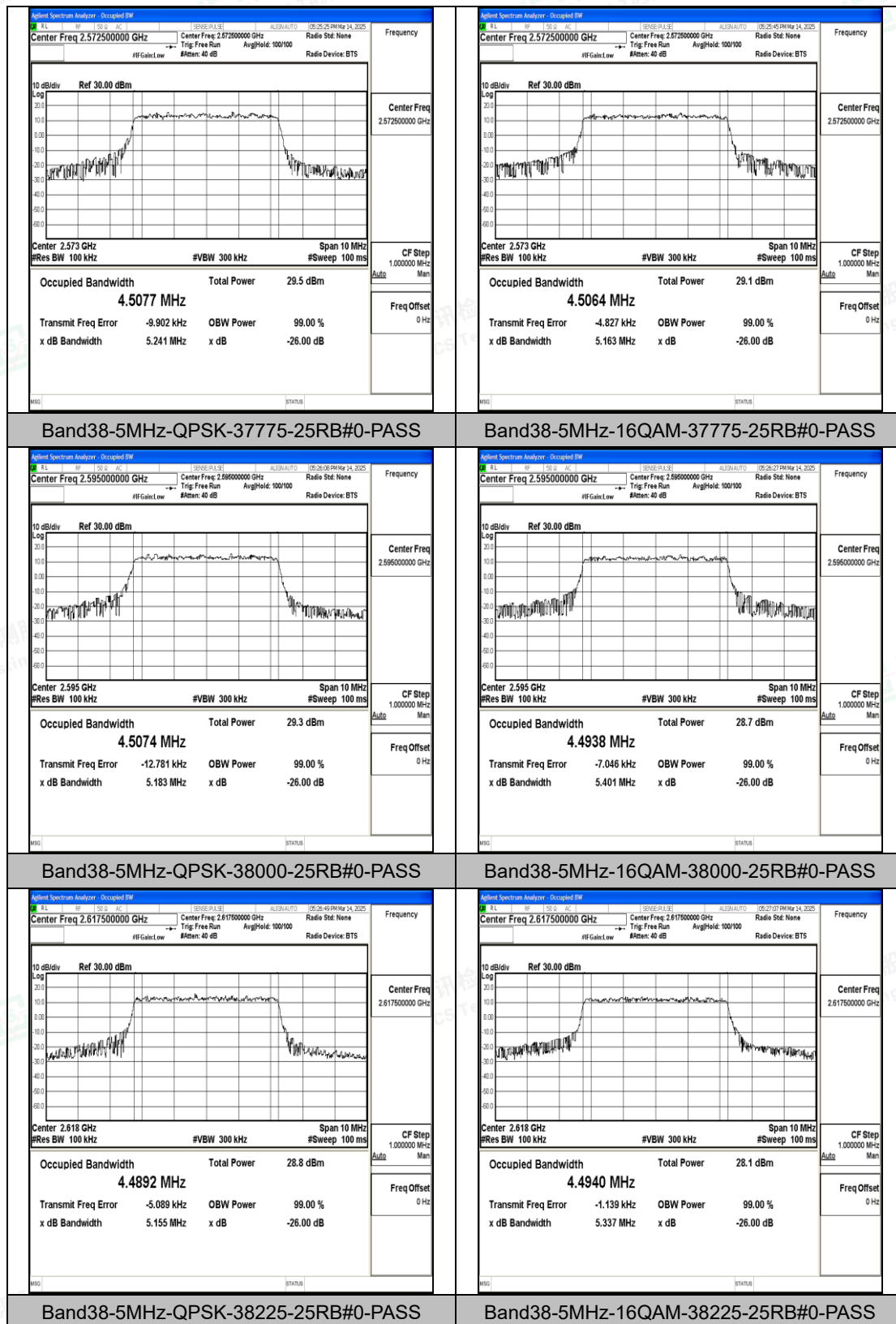
Test Result

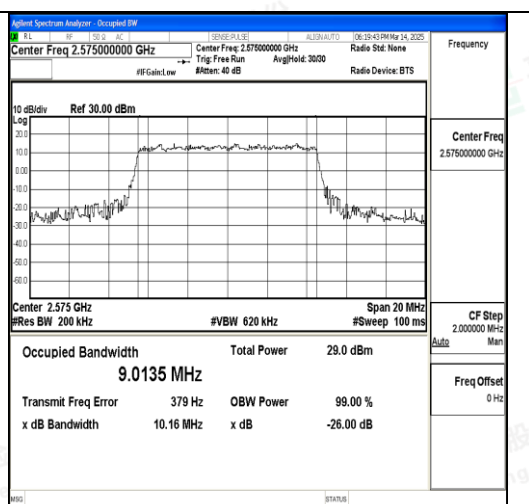
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.5077	5.241	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.5064	5.163	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5074	5.183	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4938	5.401	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4892	5.155	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4940	5.337	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.0041	10.12	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.0135	10.16	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9748	10.03	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9808	10.03	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.0259	10.15	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.0077	11.35	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.247	14.96	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.499	15.19	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.455	15.70	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.514	15.35	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.454	15.45	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.496	15.74	PASS
Band38	20MHz	QPSK	37850	100RB#0	18.017	19.68	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.935	20.63	PASS
Band38	20MHz	QPSK	38000	100RB#0	18.004	19.90	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.984	21.17	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.990	20.14	PASS
Band38	20MHz	16QAM	38150	100RB#0	18.023	20.69	PASS



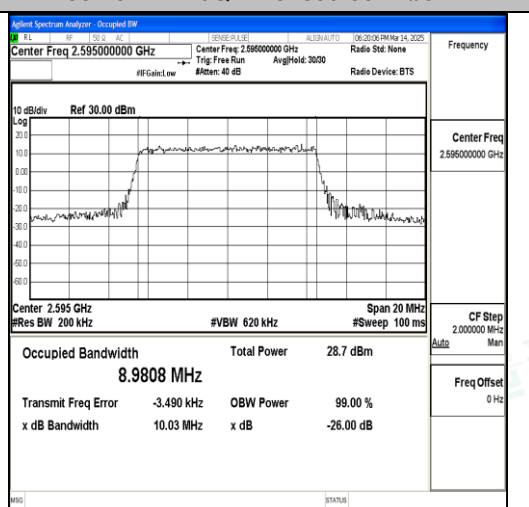


Test Graphs

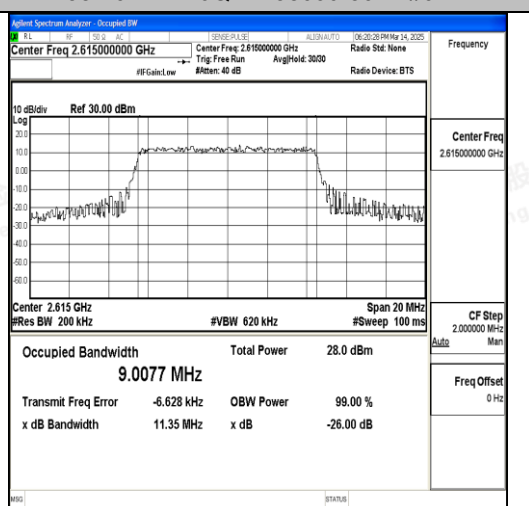




Band38-10MHz-16QAM-37800-50RB#0-PASS



Band38-10MHz-16QAM-38000-50RB#0-PASS



Band38-10MHz-16QAM-38200-50RB#0-PASS

