



Appendix J: Test Data for E-UTRA Band 38

Product Name: Smart POS

Test Model: WIZARPOS Q3

Environmental Conditions

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



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
Scan code to check authenticity



J.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	21.15	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.09	PASS
Band38	5MHz	QPSK	37775	1RB#12	21.05	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.05	PASS
Band38	5MHz	QPSK	37775	1RB#24	21.08	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.05	PASS
Band38	5MHz	QPSK	37775	12RB#0	20.35	PASS
Band38	5MHz	16QAM	37775	12RB#0	19.56	PASS
Band38	5MHz	QPSK	37775	12RB#6	20.34	PASS
Band38	5MHz	16QAM	37775	12RB#6	19.54	PASS
Band38	5MHz	QPSK	37775	12RB#13	20.25	PASS
Band38	5MHz	16QAM	37775	12RB#13	19.44	PASS
Band38	5MHz	QPSK	37775	25RB#0	20.32	PASS
Band38	5MHz	16QAM	37775	25RB#0	19.54	PASS
Band38	5MHz	QPSK	38000	1RB#0	21.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.35	PASS
Band38	5MHz	QPSK	38000	1RB#12	20.96	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.42	PASS
Band38	5MHz	QPSK	38000	1RB#24	21.03	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.28	PASS
Band38	5MHz	QPSK	38000	12RB#0	19.97	PASS
Band38	5MHz	16QAM	38000	12RB#0	19.14	PASS
Band38	5MHz	QPSK	38000	12RB#6	19.97	PASS
Band38	5MHz	16QAM	38000	12RB#6	19.13	PASS
Band38	5MHz	QPSK	38000	12RB#13	19.88	PASS
Band38	5MHz	16QAM	38000	12RB#13	19.14	PASS
Band38	5MHz	QPSK	38000	25RB#0	19.91	PASS
Band38	5MHz	16QAM	38000	25RB#0	19.22	PASS
Band38	5MHz	QPSK	38225	1RB#0	21.63	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.29	PASS
Band38	5MHz	QPSK	38225	1RB#12	21.64	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.04	PASS
Band38	5MHz	QPSK	38225	1RB#24	21.67	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.26	PASS
Band38	5MHz	QPSK	38225	12RB#0	20.55	PASS



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

Scan code to check authenticity



Band38	5MHz	16QAM	38225	12RB#0	19.96	PASS
Band38	5MHz	QPSK	38225	12RB#6	20.55	PASS
Band38	5MHz	16QAM	38225	12RB#6	19.96	PASS
Band38	5MHz	QPSK	38225	12RB#13	20.74	PASS
Band38	5MHz	16QAM	38225	12RB#13	19.95	PASS
Band38	5MHz	QPSK	38225	25RB#0	20.77	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.11	PASS
Band38	10MHz	QPSK	37800	1RB#0	22.73	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.36	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.52	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.31	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.43	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.28	PASS
Band38	10MHz	QPSK	37800	25RB#0	21.34	PASS
Band38	10MHz	16QAM	37800	25RB#0	20.63	PASS
Band38	10MHz	QPSK	37800	25RB#12	21.34	PASS
Band38	10MHz	16QAM	37800	25RB#12	20.60	PASS
Band38	10MHz	QPSK	37800	25RB#25	21.14	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.58	PASS
Band38	10MHz	QPSK	37800	50RB#0	21.25	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.61	PASS
Band38	10MHz	QPSK	38000	1RB#0	21.96	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.71	PASS
Band38	10MHz	QPSK	38000	1RB#24	21.91	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.71	PASS
Band38	10MHz	QPSK	38000	1RB#49	21.89	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.66	PASS
Band38	10MHz	QPSK	38000	25RB#0	21.06	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.64	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.06	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.65	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.17	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.66	PASS
Band38	10MHz	QPSK	38000	50RB#0	20.92	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.28	PASS
Band38	10MHz	QPSK	38200	1RB#0	21.94	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.89	PASS
Band38	10MHz	QPSK	38200	1RB#24	21.98	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.77	PASS
Band38	10MHz	QPSK	38200	1RB#49	21.88	PASS



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

Scan code to check authenticity



Band38	10MHz	16QAM	38200	1RB#49	21.69	PASS
Band38	10MHz	QPSK	38200	25RB#0	20.88	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.14	PASS
Band38	10MHz	QPSK	38200	25RB#12	20.89	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.11	PASS
Band38	10MHz	QPSK	38200	25RB#25	20.76	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.07	PASS
Band38	10MHz	QPSK	38200	50RB#0	20.76	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.13	PASS
Band38	15MHz	QPSK	37825	1RB#0	22.67	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.42	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.43	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.27	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.34	PASS
Band38	15MHz	16QAM	37825	1RB#74	22.25	PASS
Band38	15MHz	QPSK	37825	38RB#0	21.22	PASS
Band38	15MHz	16QAM	37825	38RB#0	21.23	PASS
Band38	15MHz	QPSK	37825	38RB#18	21.23	PASS
Band38	15MHz	16QAM	37825	38RB#18	21.23	PASS
Band38	15MHz	QPSK	37825	38RB#37	21.23	PASS
Band38	15MHz	16QAM	37825	38RB#37	21.23	PASS
Band38	15MHz	QPSK	37825	75RB#0	21.22	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.68	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.81	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.11	PASS
Band38	15MHz	QPSK	38000	1RB#38	21.90	PASS
Band38	15MHz	16QAM	38000	1RB#38	21.16	PASS
Band38	15MHz	QPSK	38000	1RB#74	21.80	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.10	PASS
Band38	15MHz	QPSK	38000	38RB#0	20.95	PASS
Band38	15MHz	16QAM	38000	38RB#0	20.95	PASS
Band38	15MHz	QPSK	38000	38RB#18	20.95	PASS
Band38	15MHz	16QAM	38000	38RB#18	20.95	PASS
Band38	15MHz	QPSK	38000	38RB#37	20.95	PASS
Band38	15MHz	16QAM	38000	38RB#37	21.05	PASS
Band38	15MHz	QPSK	38000	75RB#0	21.05	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.58	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.11	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	21.96	PASS



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

Scan code to check authenticity



Band38	15MHz	16QAM	38175	1RB#38	21.79	PASS
Band38	15MHz	QPSK	38175	1RB#74	21.84	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.76	PASS
Band38	15MHz	QPSK	38175	38RB#0	20.90	PASS
Band38	15MHz	16QAM	38175	38RB#0	20.90	PASS
Band38	15MHz	QPSK	38175	38RB#18	20.90	PASS
Band38	15MHz	16QAM	38175	38RB#18	20.90	PASS
Band38	15MHz	QPSK	38175	38RB#37	20.90	PASS
Band38	15MHz	16QAM	38175	38RB#37	20.90	PASS
Band38	15MHz	QPSK	38175	75RB#0	20.90	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.17	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.03	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.72	PASS
Band38	20MHz	QPSK	37850	1RB#49	21.86	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.58	PASS
Band38	20MHz	QPSK	37850	1RB#99	21.82	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.44	PASS
Band38	20MHz	QPSK	37850	50RB#0	21.32	PASS
Band38	20MHz	16QAM	37850	50RB#0	20.72	PASS
Band38	20MHz	QPSK	37850	50RB#25	21.32	PASS
Band38	20MHz	16QAM	37850	50RB#25	20.72	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.14	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.69	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.27	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.62	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.40	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.46	PASS
Band38	20MHz	QPSK	38000	1RB#49	22.25	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.30	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.06	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.36	PASS
Band38	20MHz	QPSK	38000	50RB#0	21.15	PASS
Band38	20MHz	16QAM	38000	50RB#0	20.47	PASS
Band38	20MHz	QPSK	38000	50RB#25	21.15	PASS
Band38	20MHz	16QAM	38000	50RB#25	20.47	PASS
Band38	20MHz	QPSK	38000	50RB#50	21.09	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.51	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.54	PASS
Band38	20MHz	QPSK	38150	1RB#0	21.78	PASS



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

Scan code to check authenticity



Band38	20MHz	16QAM	38150	1RB#0	22.20	PASS
Band38	20MHz	QPSK	38150	1RB#49	21.64	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.97	PASS
Band38	20MHz	QPSK	38150	1RB#99	21.53	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.68	PASS
Band38	20MHz	QPSK	38150	50RB#0	20.79	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.27	PASS
Band38	20MHz	QPSK	38150	50RB#25	20.80	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.27	PASS
Band38	20MHz	QPSK	38150	50RB#50	20.66	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.06	PASS
Band38	20MHz	QPSK	38150	100RB#0	20.61	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.14	PASS





J.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	8.52	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	9.01	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	9.11	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	9.75	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	8.73	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	8.95	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	9.05	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	9.72	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	8.21	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	8.63	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	8.82	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	9.66	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	8.21	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	8.69	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.12	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.72	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	8.67	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	8.81	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	9.26	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.71	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	8.64	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	8.76	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.09	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.72	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	8.44	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	8.60	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	9.29	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	9.99	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	8.59	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	9.60	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	9.37	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	9.91	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	7.97	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	9.27	13	PASS



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

Scan code to check authenticity

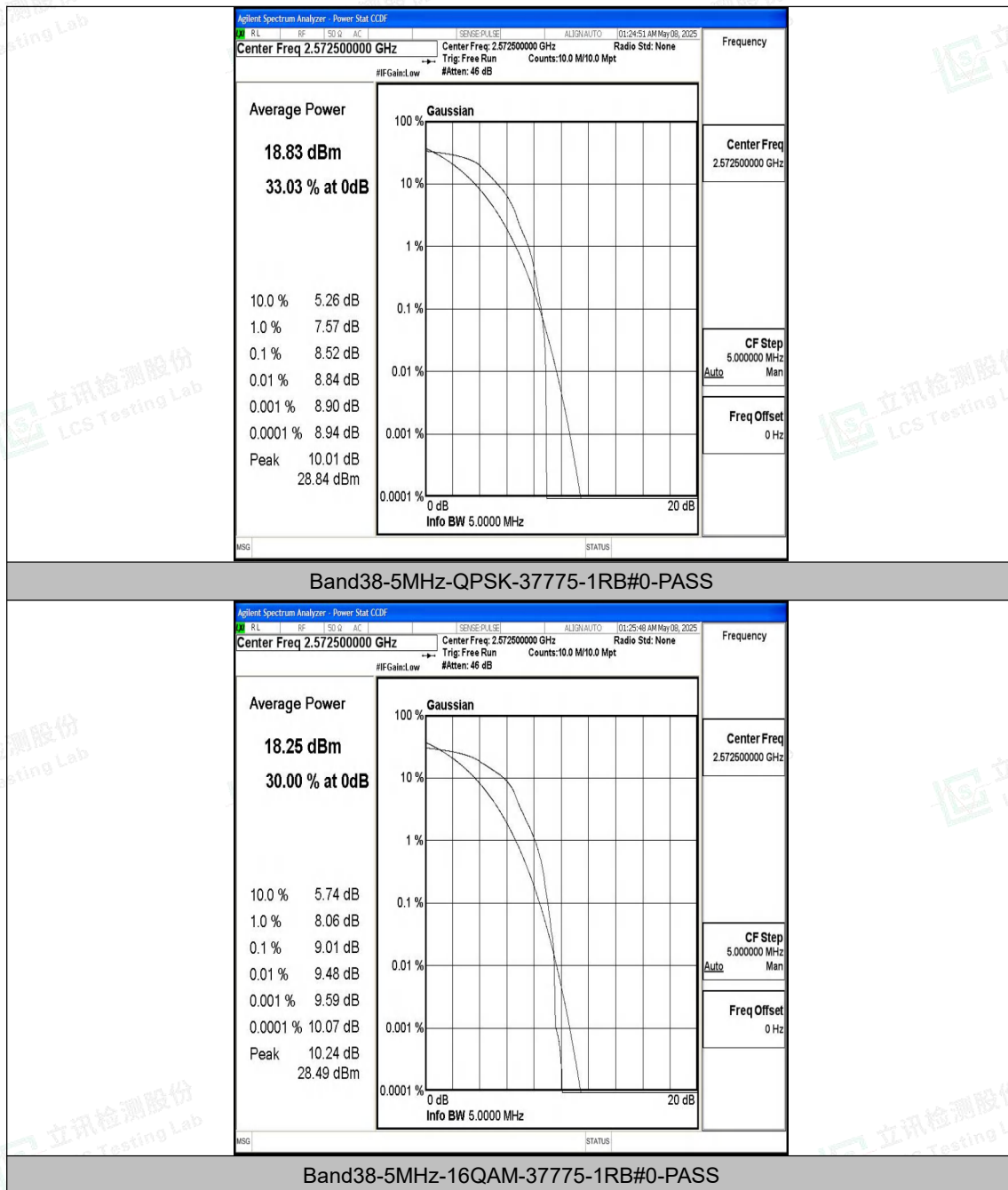


Band38	15MHz	QPSK	38175	75RB#0	9.42	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	9.77	13	PASS
Band38	20MHz	QPSK	37850	1RB#0	8.25	13	PASS
Band38	20MHz	16QAM	37850	1RB#0	8.84	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	8.97	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.74	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	8.28	13	PASS
Band38	20MHz	16QAM	38000	1RB#0	8.96	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	9.08	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.90	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	9.15	13	PASS
Band38	20MHz	16QAM	38150	1RB#0	9.25	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	9.02	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.76	13	PASS





Test Graphs

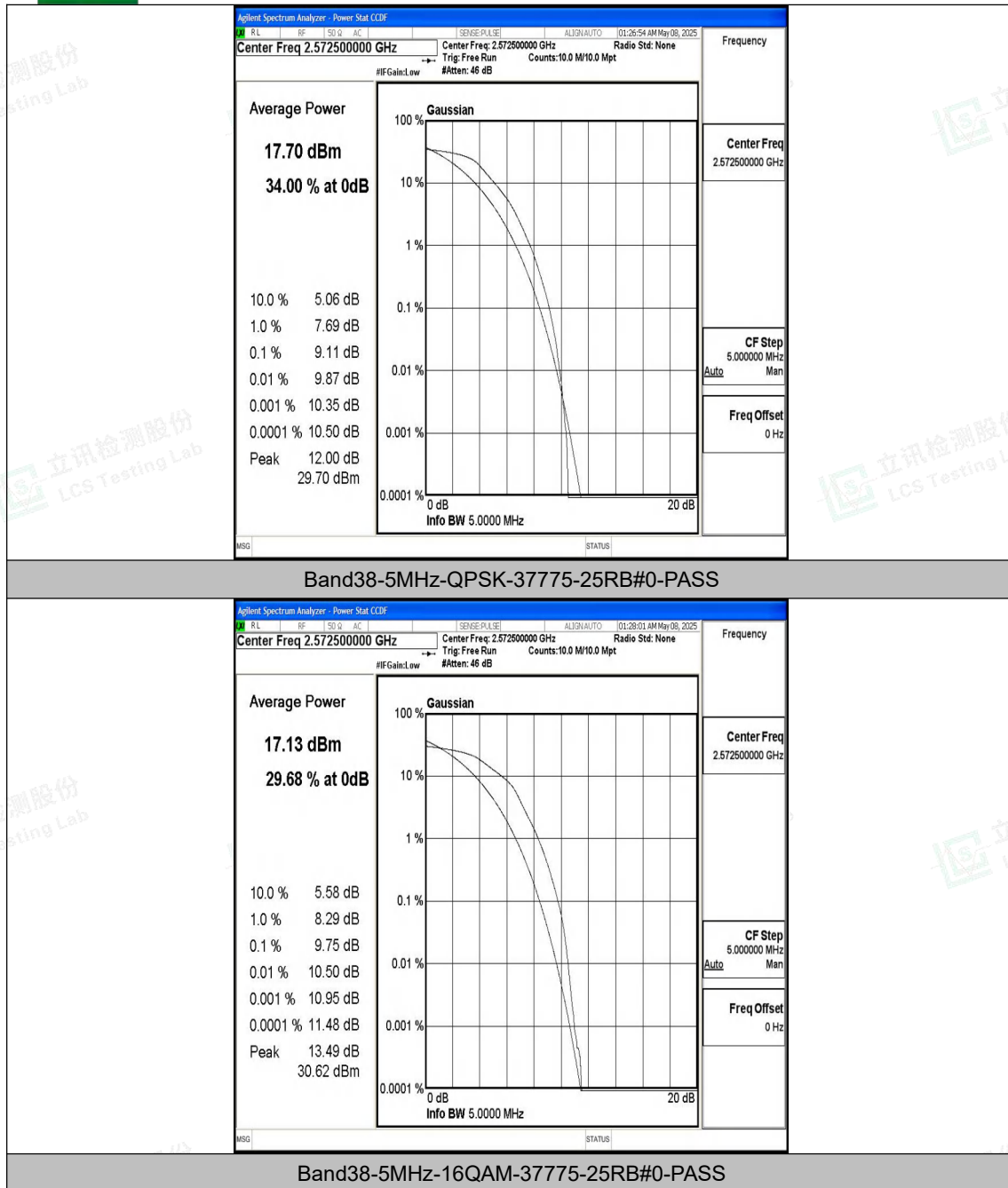


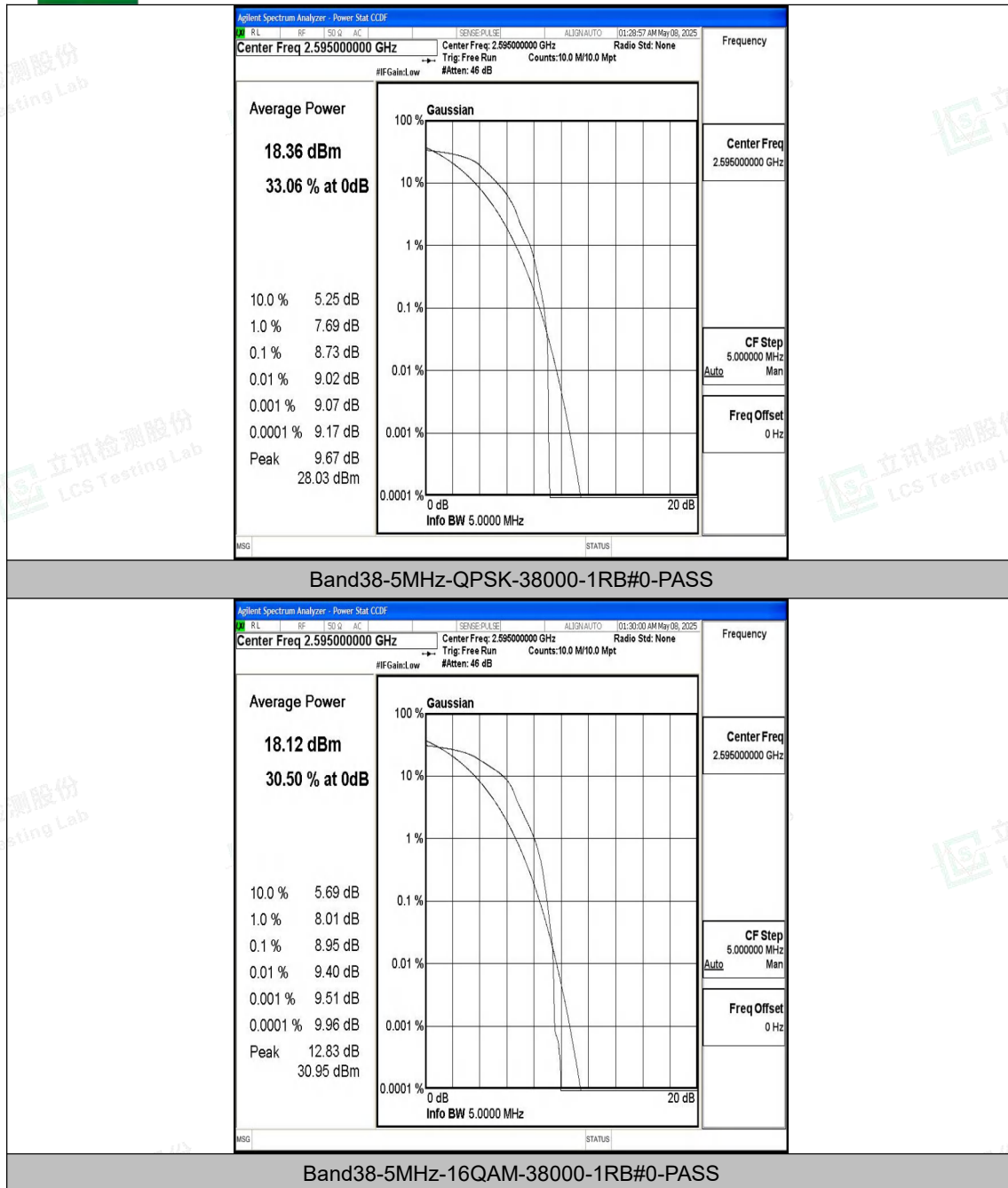
Shenzhen LCS Compliance Testing Laboratory Ltd.

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

Scan code to check authenticity



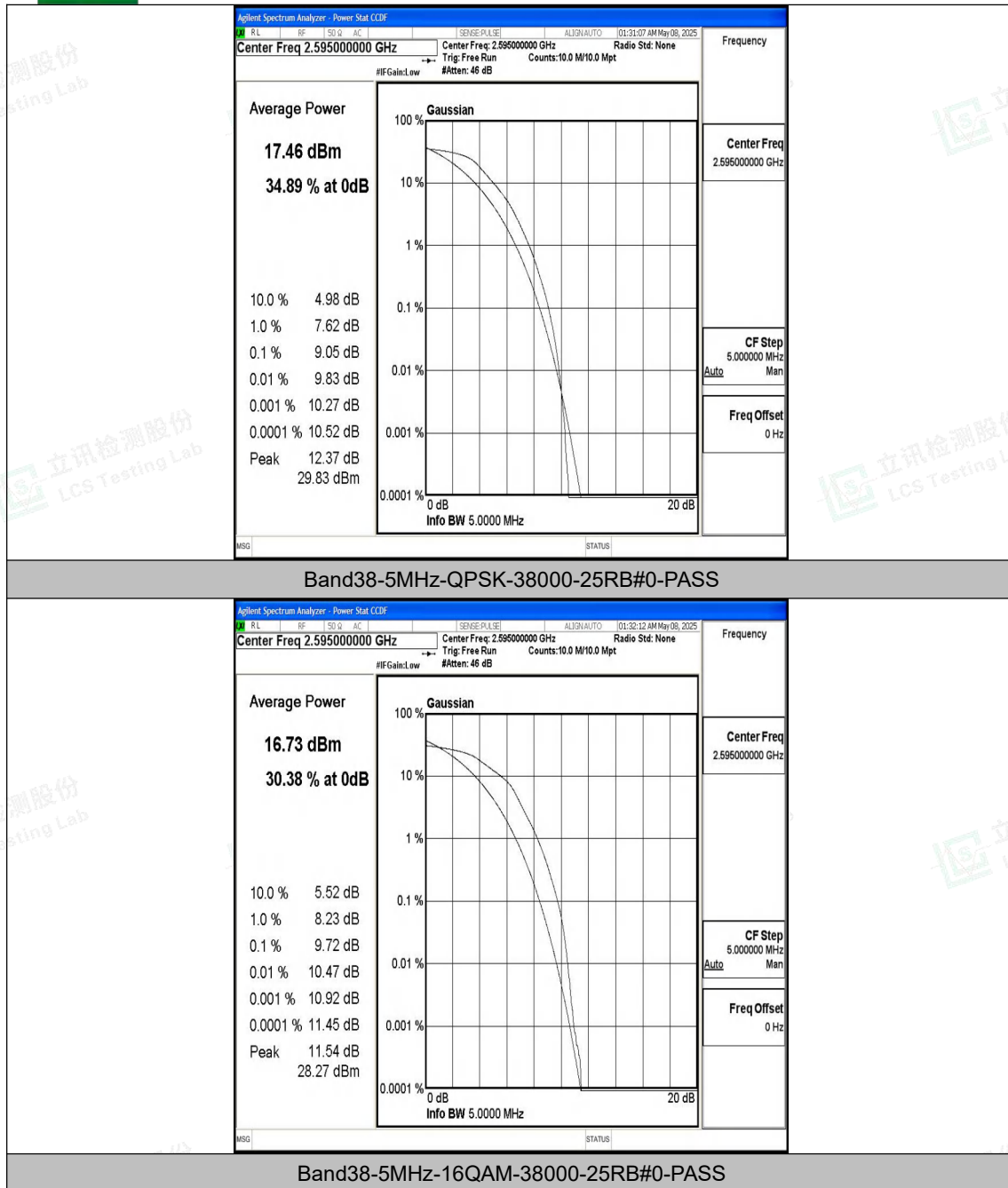


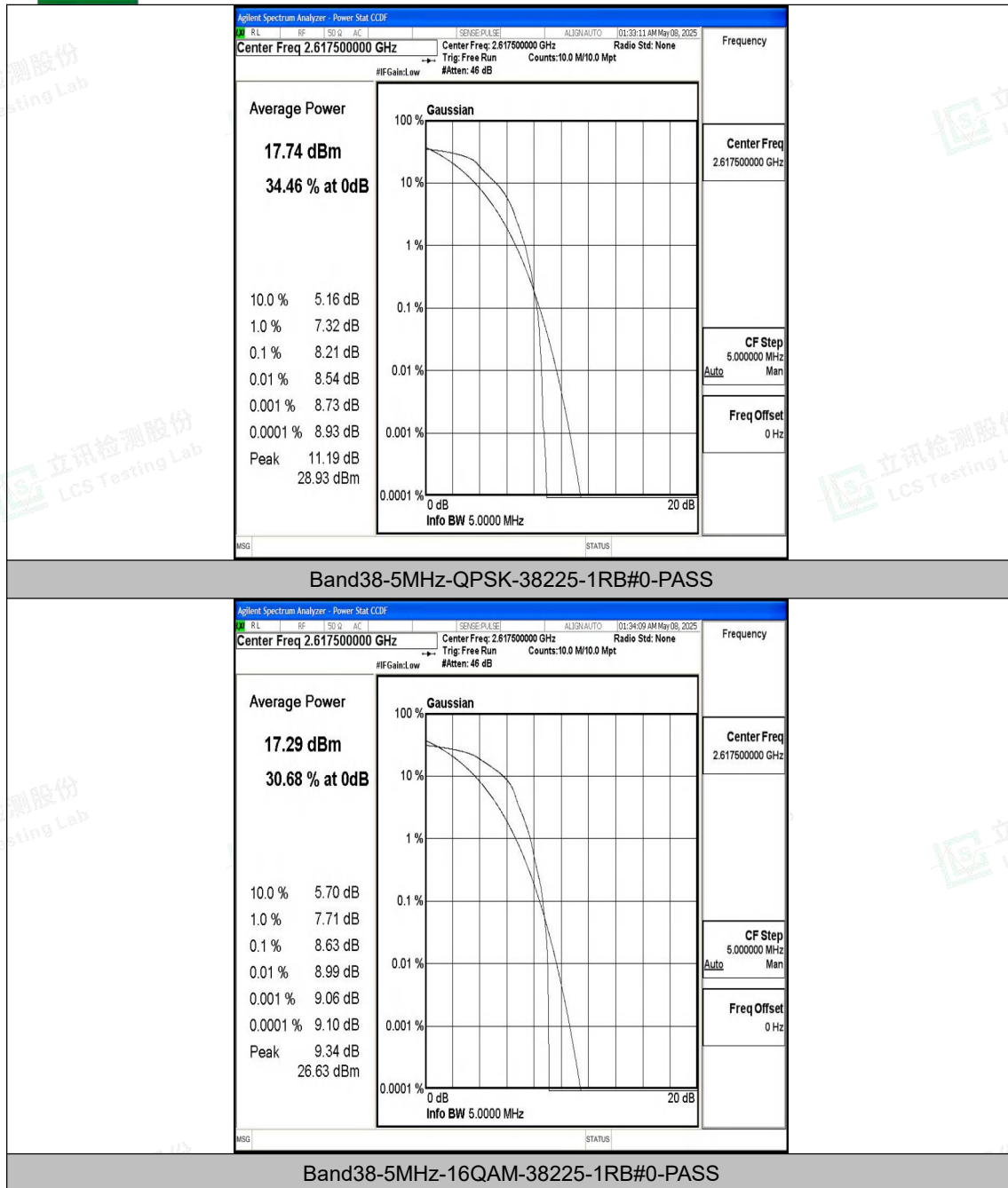
Shenzhen LCS Compliance Testing Laboratory Ltd.

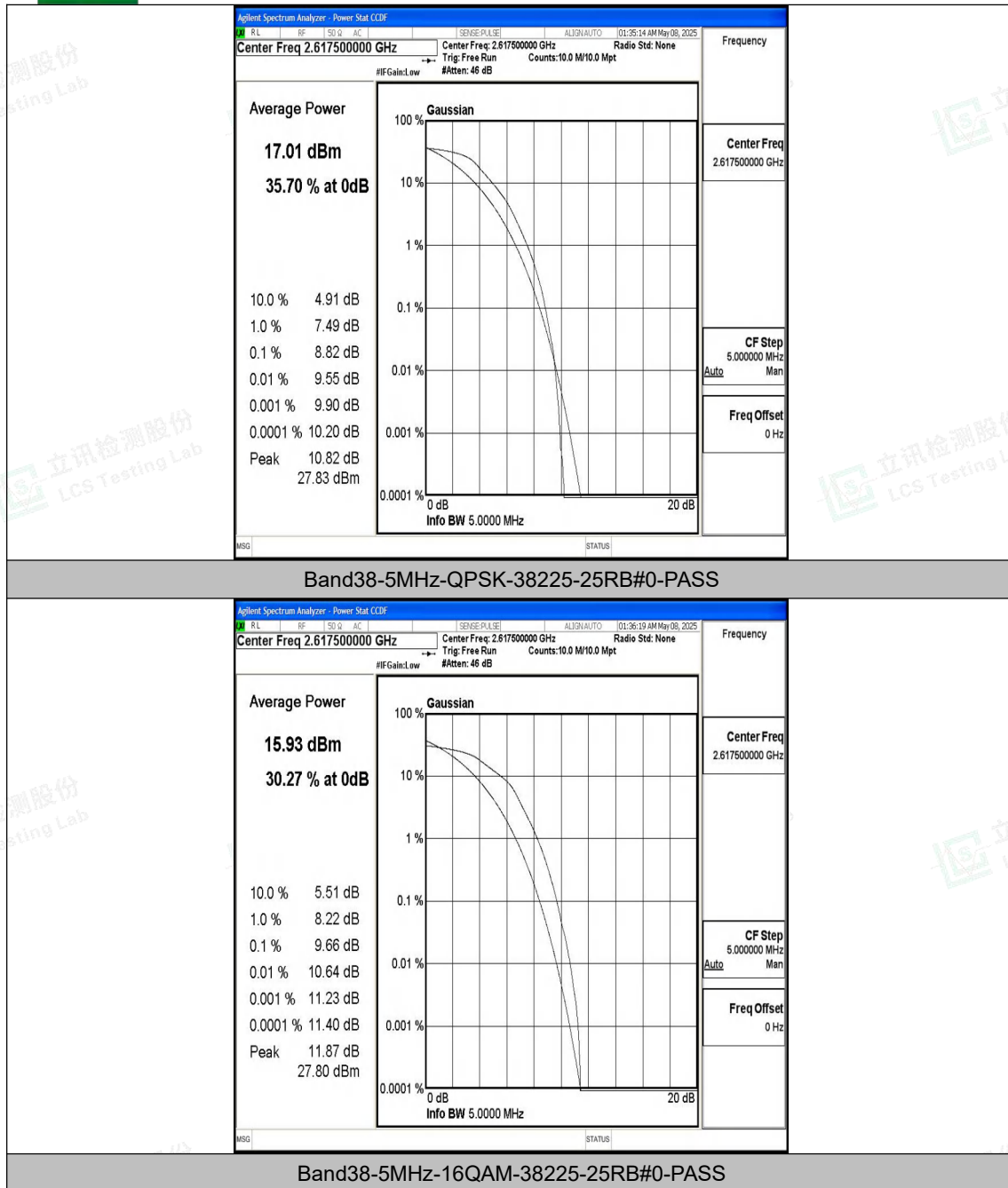
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

Scan code to check authenticity





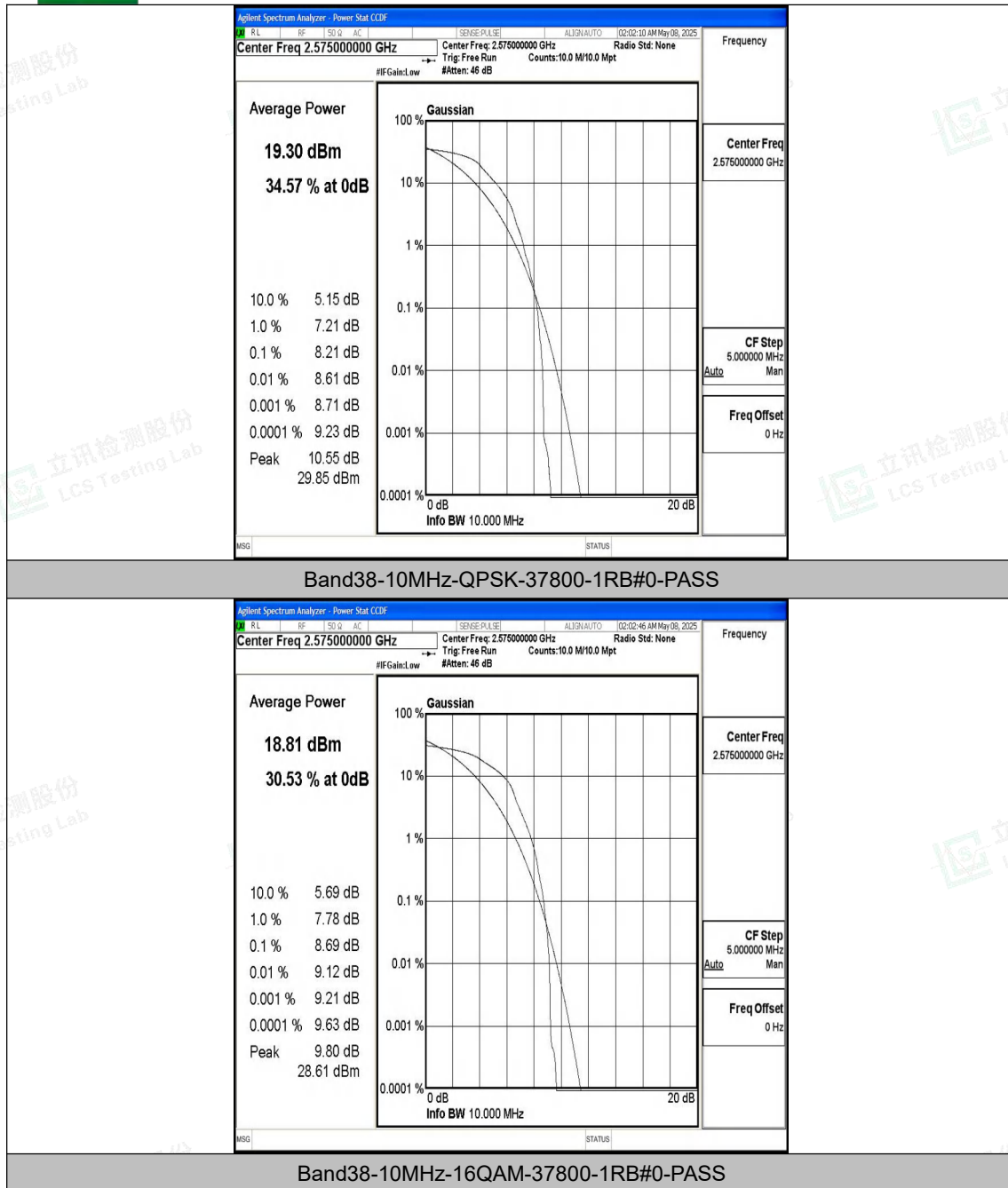


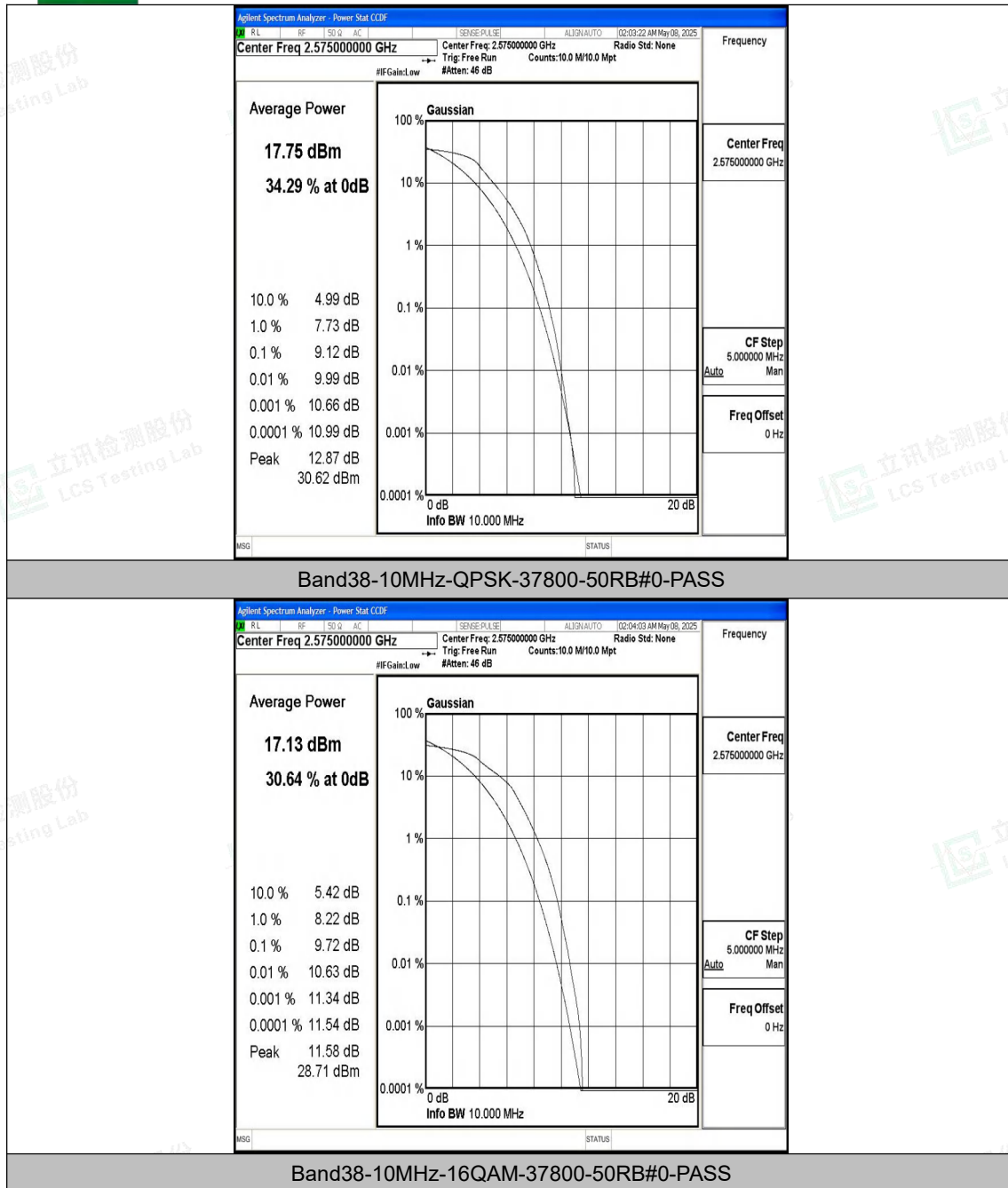
Shenzhen LCS Compliance Testing Laboratory Ltd.

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

Scan code to check authenticity



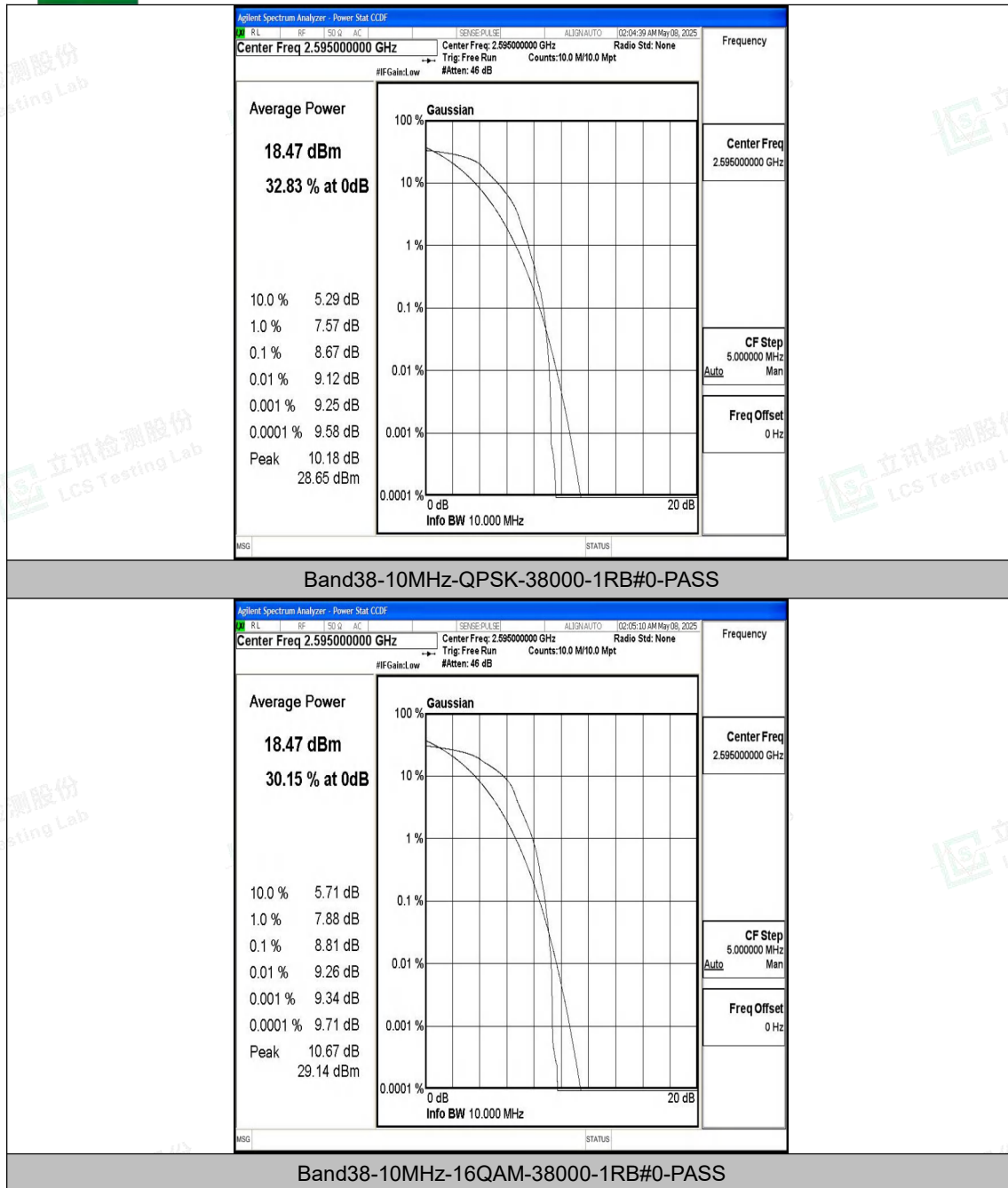


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

Scan code to check authenticity

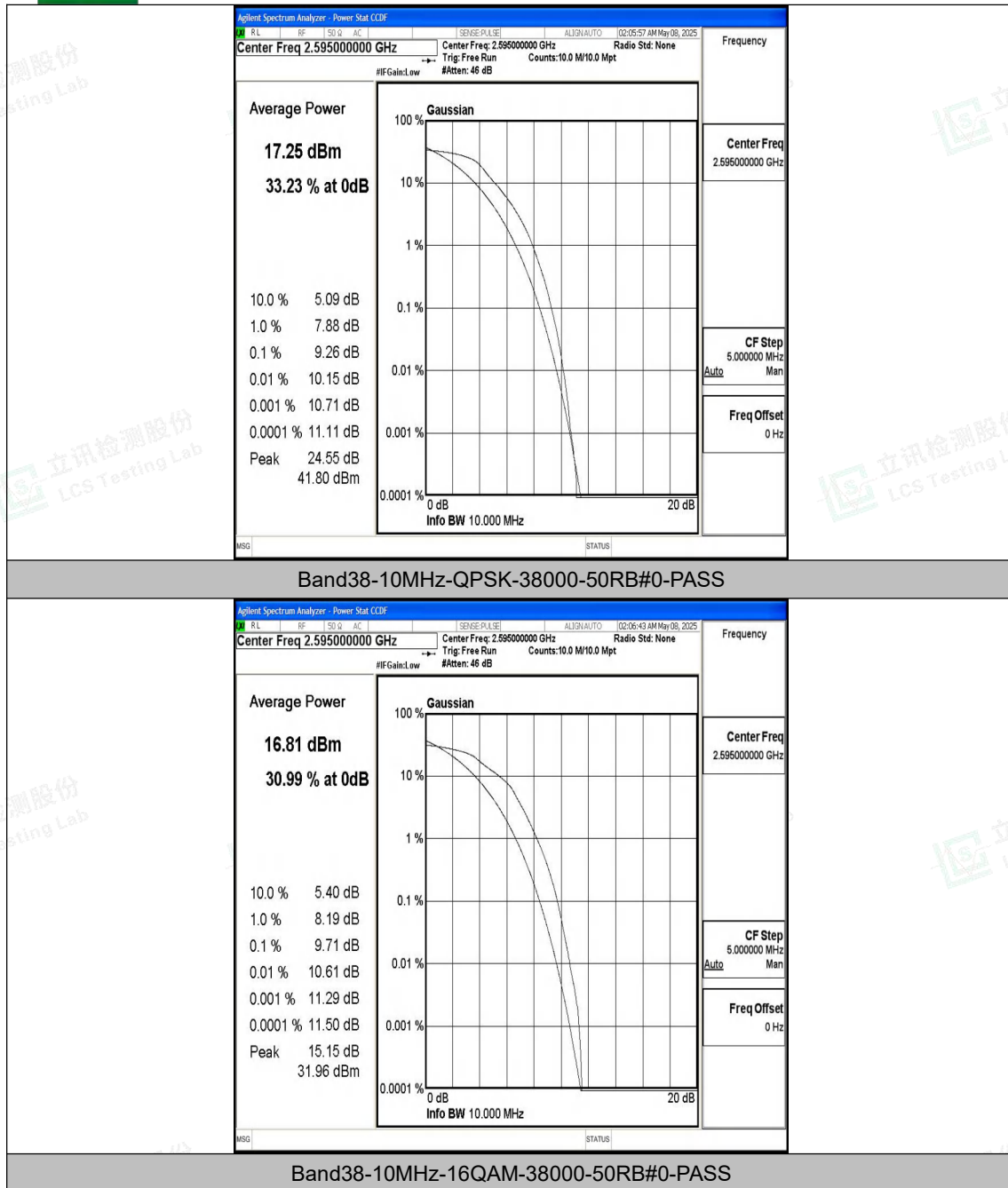


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

Scan code to check authenticity

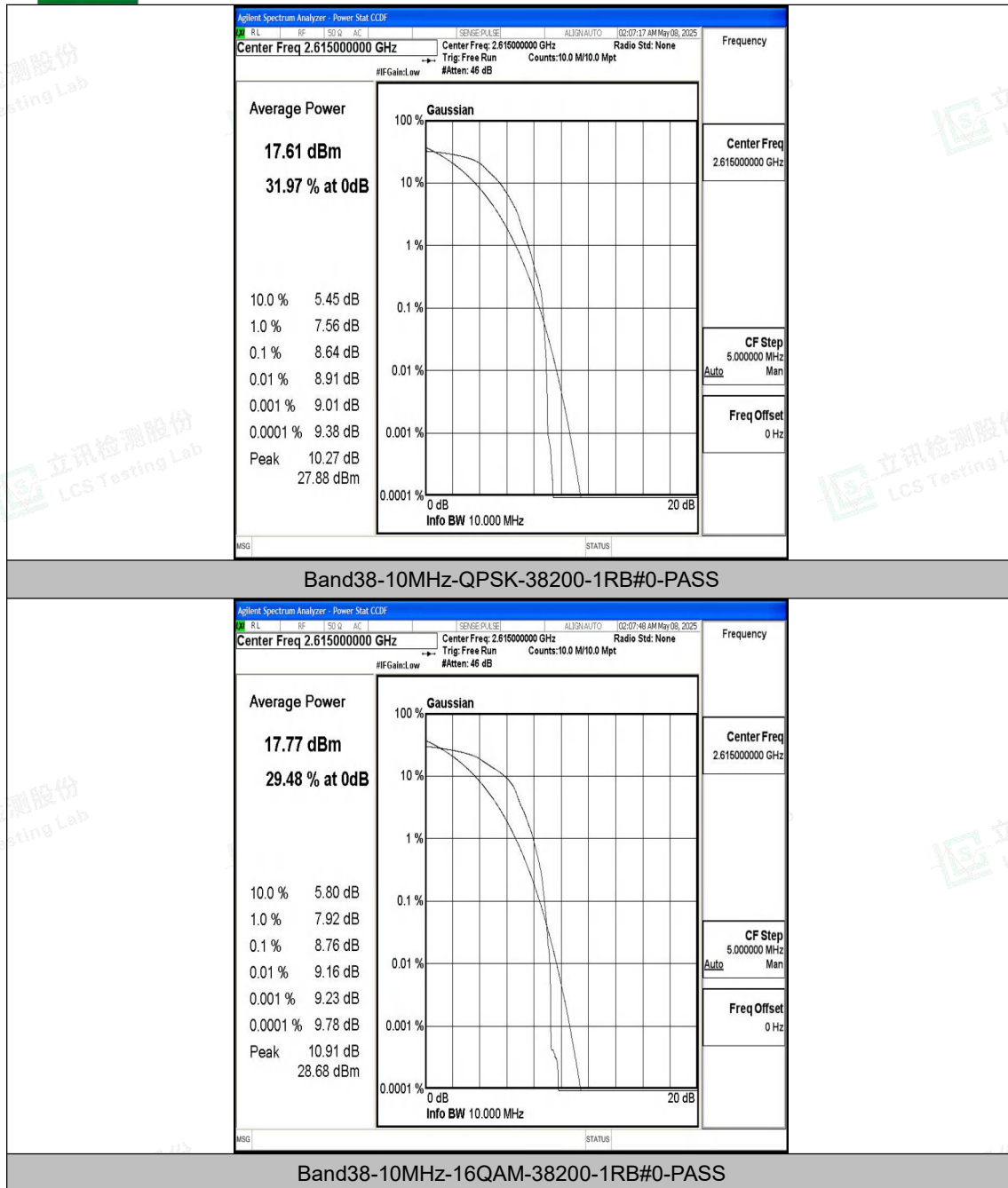


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

Scan code to check authenticity

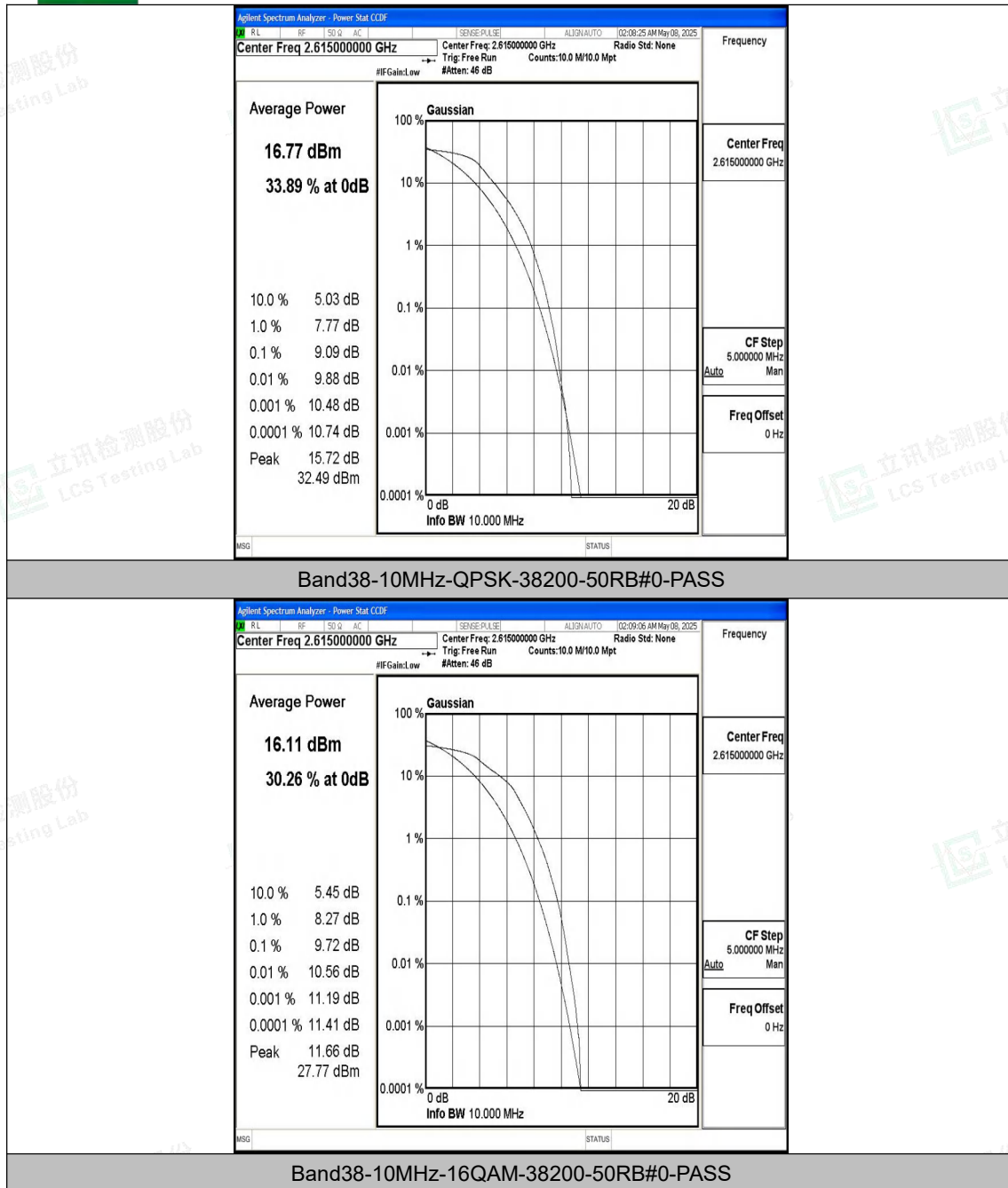


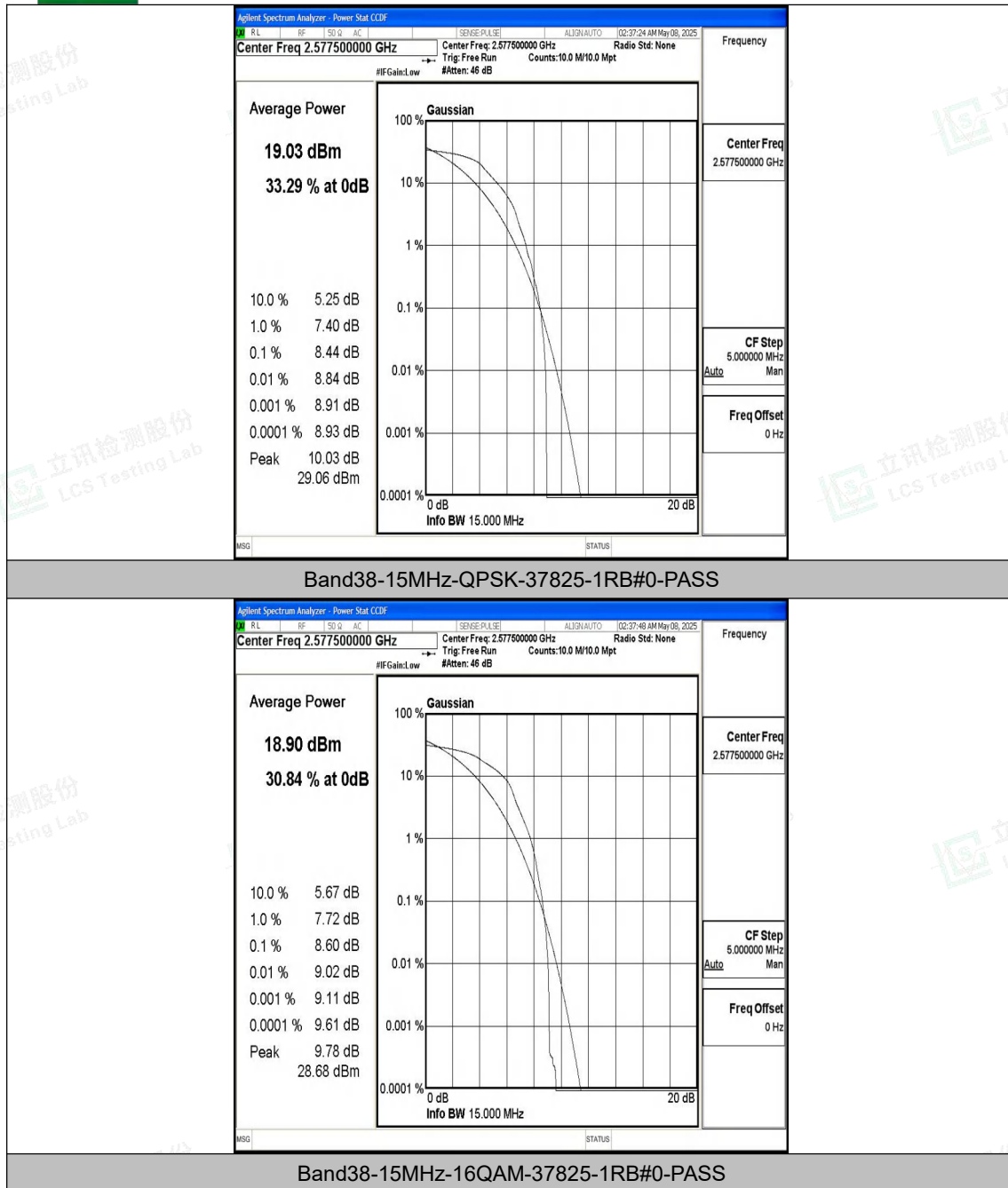
Shenzhen LCS Compliance Testing Laboratory Ltd.

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

Scan code to check authenticity



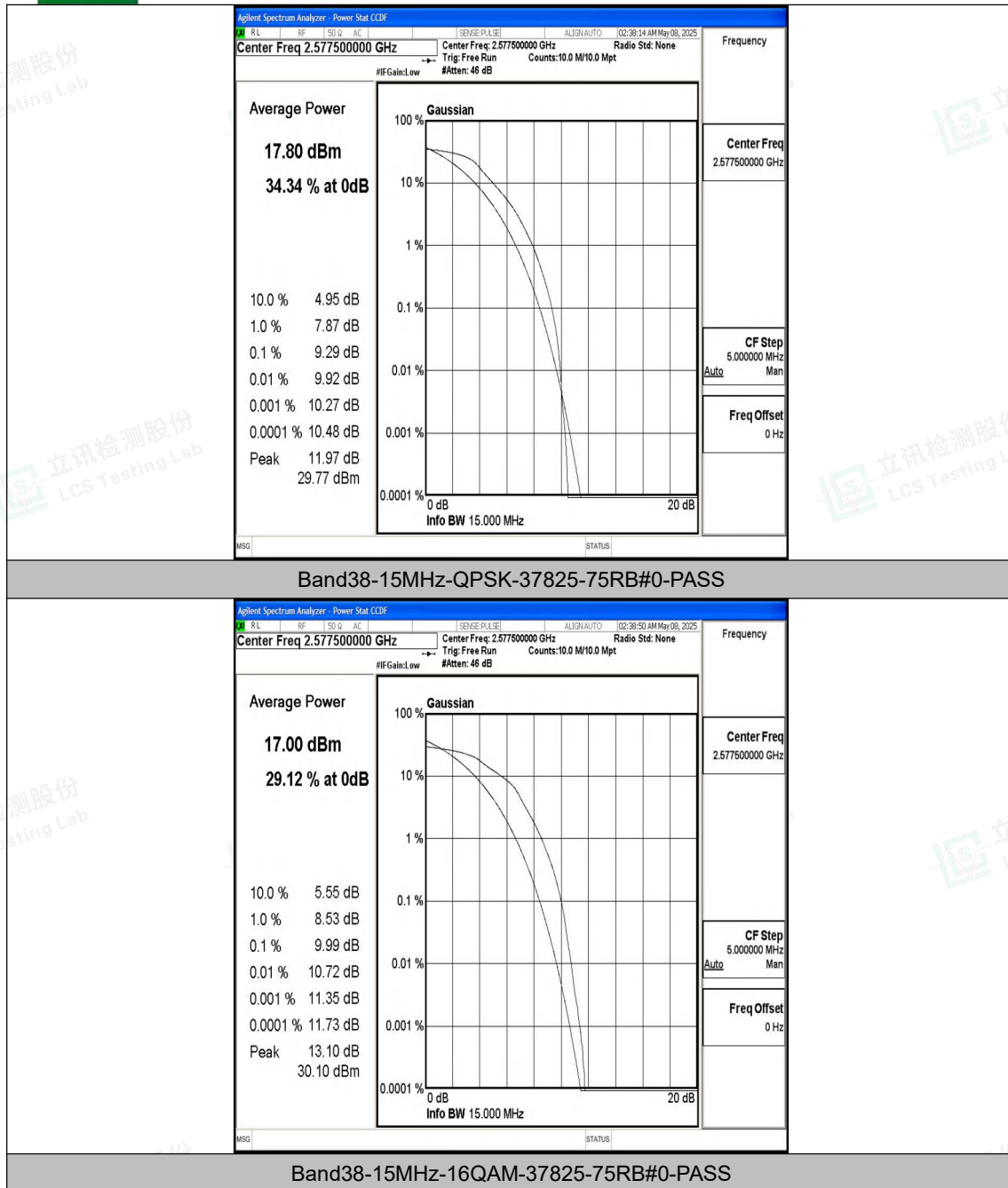


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

Scan code to check authenticity

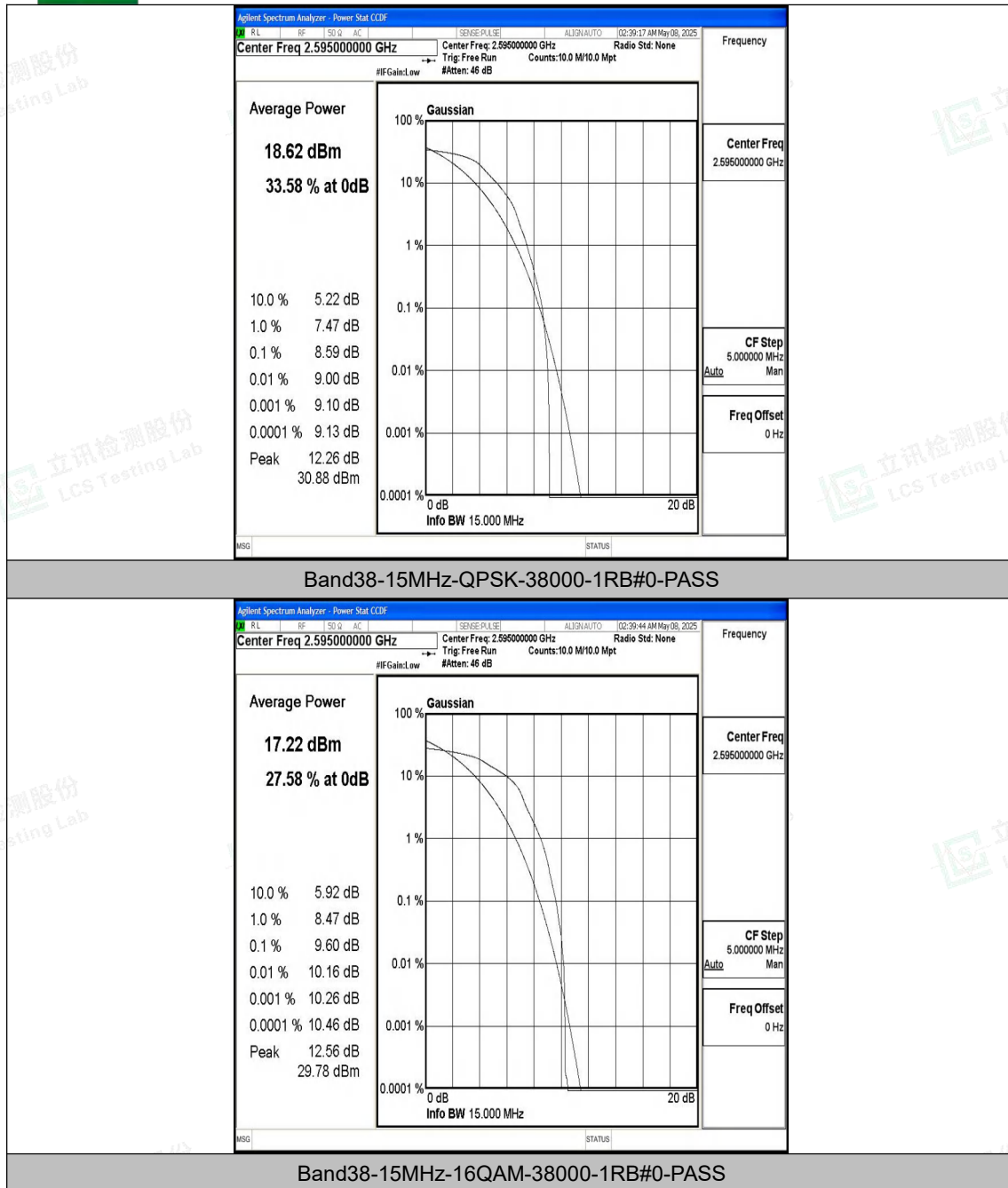


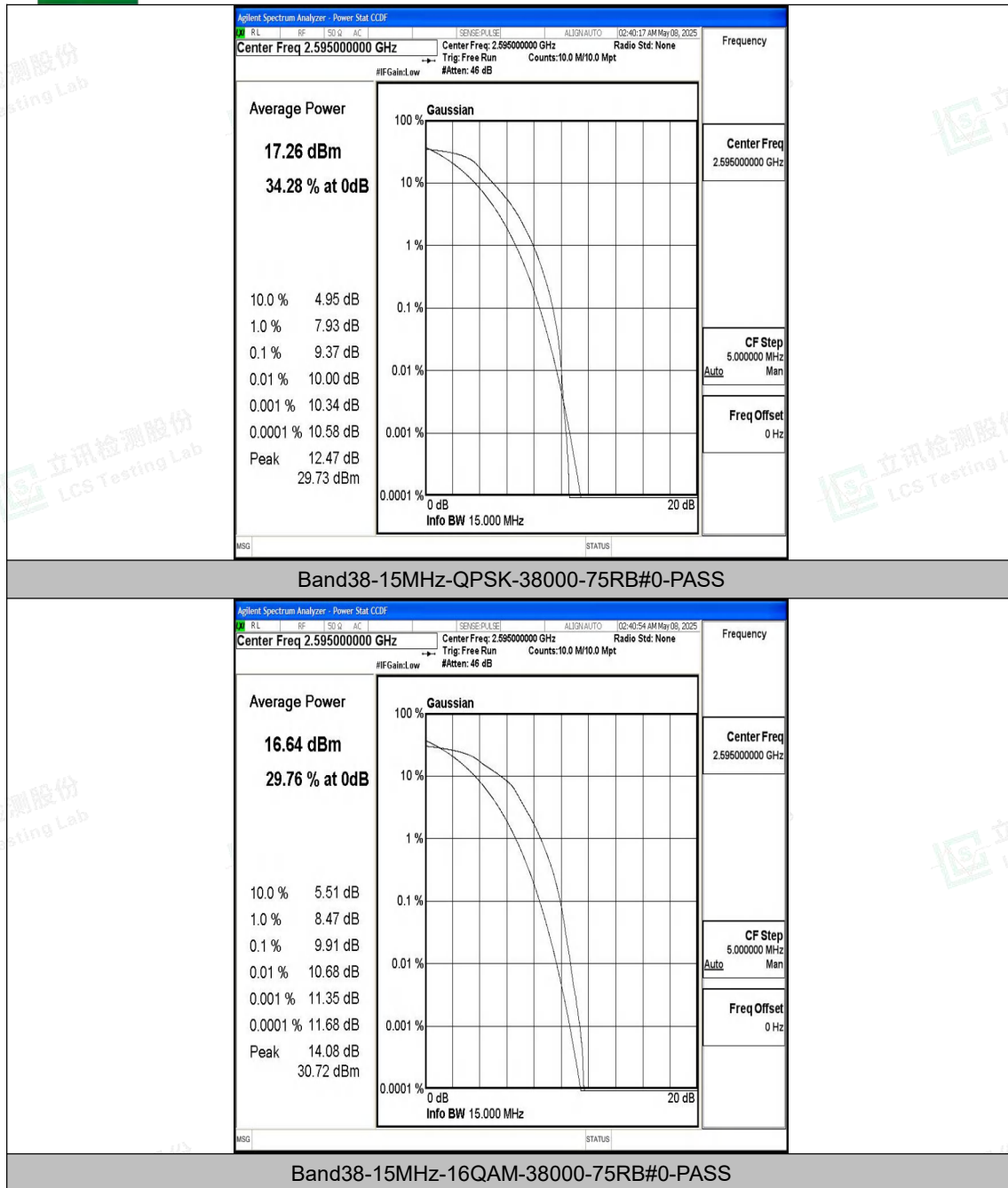
Shenzhen LCS Compliance Testing Laboratory Ltd.

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

Scan code to check authenticity



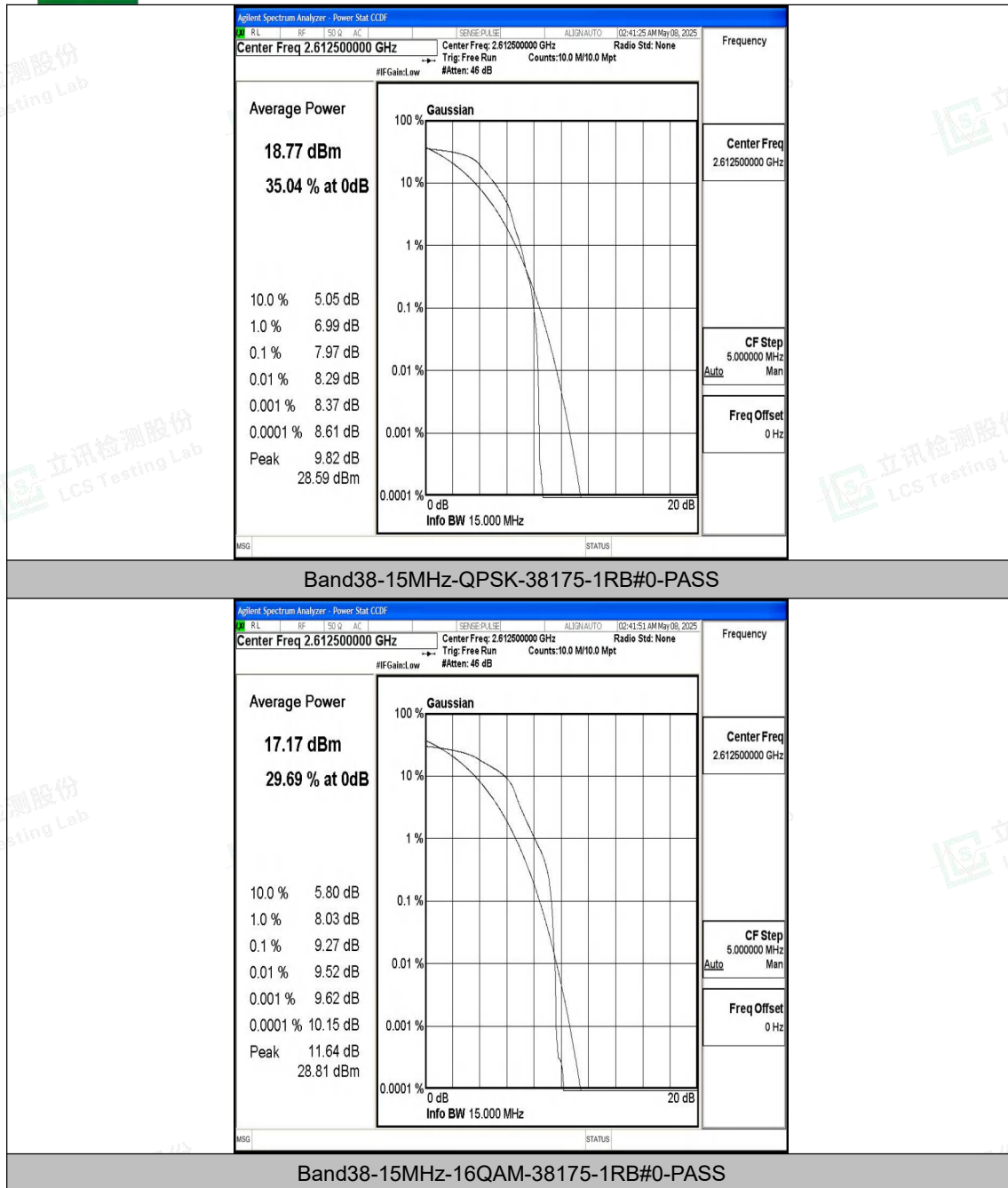


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

Scan code to check authenticity

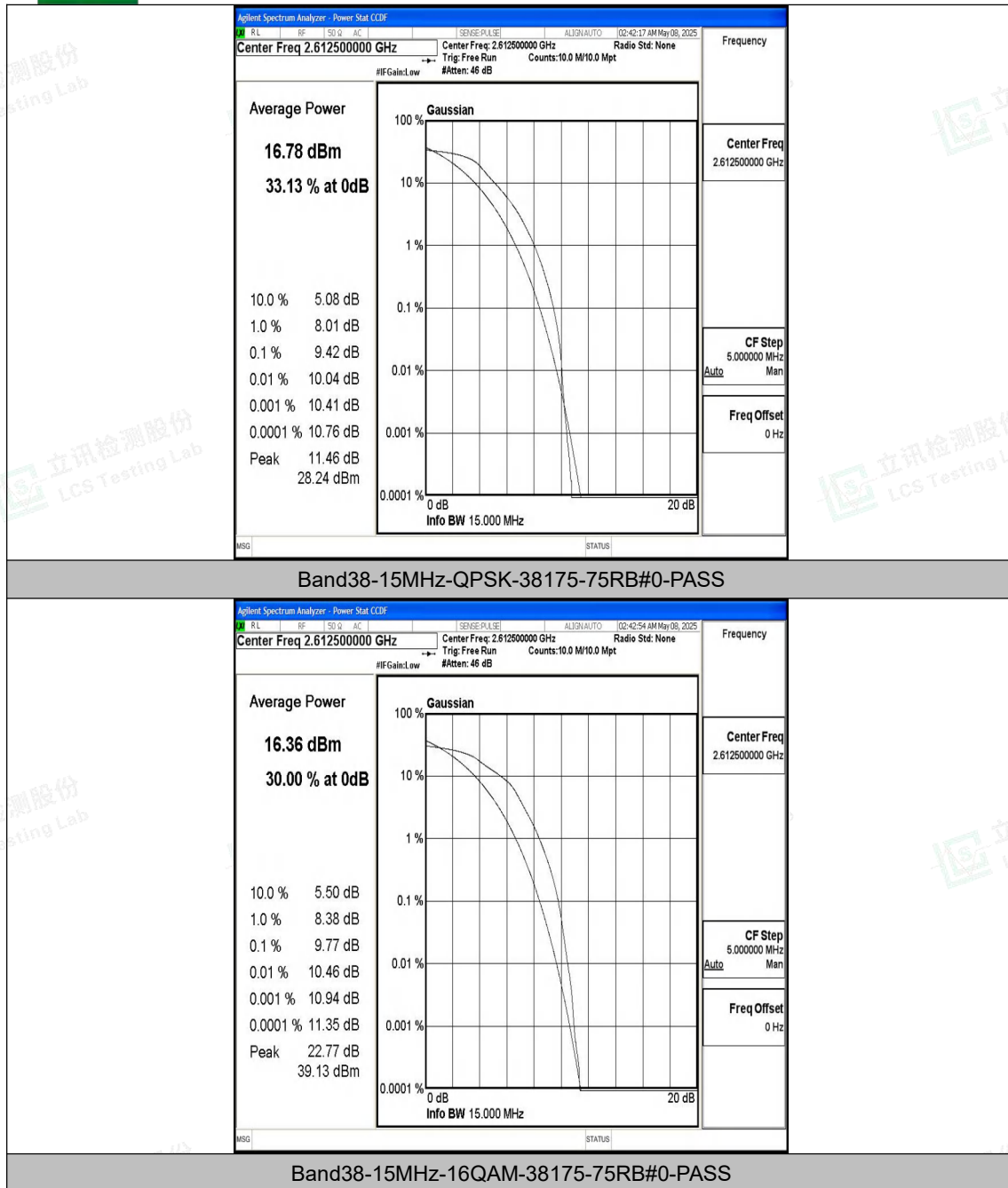


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

Scan code to check authenticity

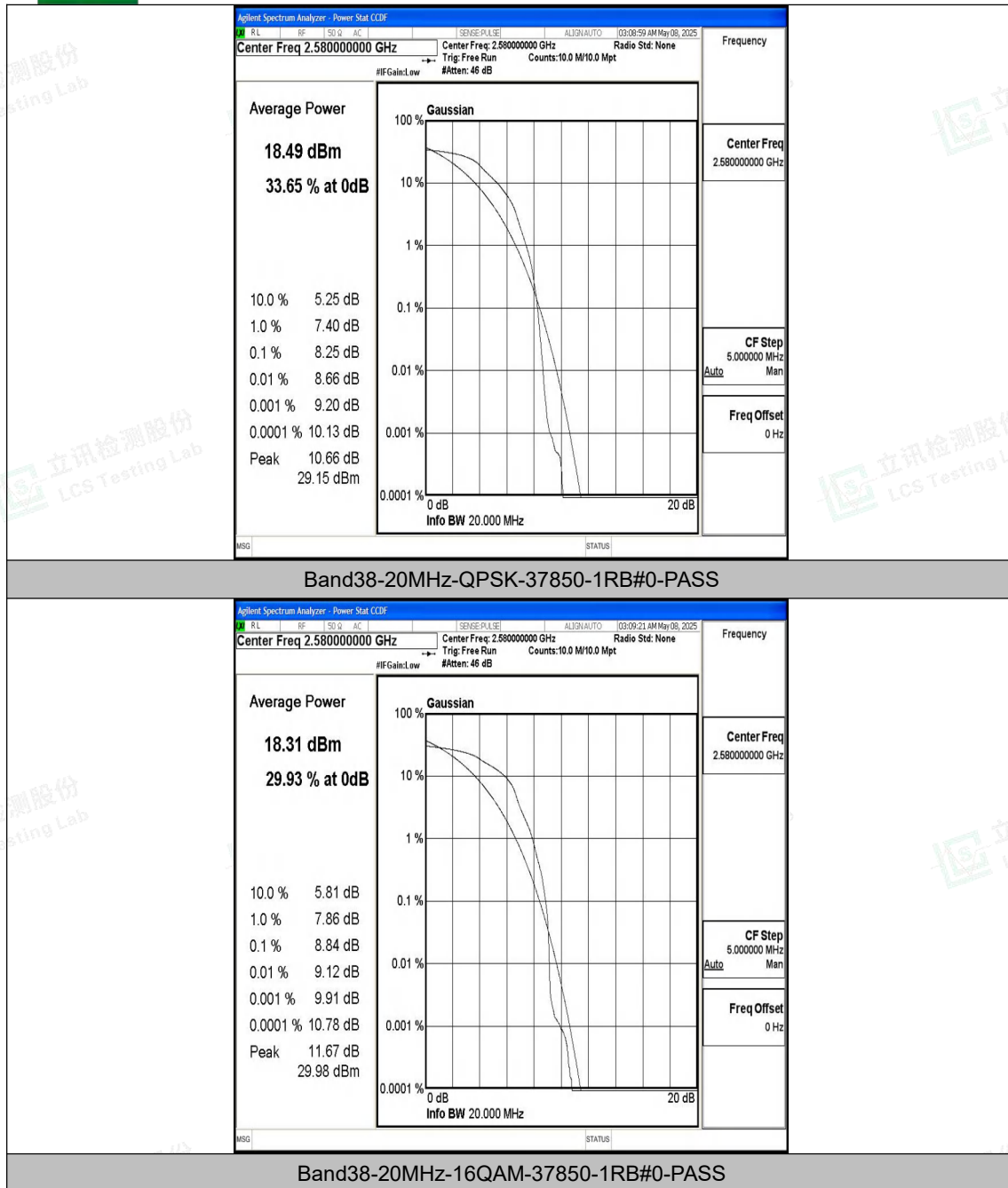


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

Scan code to check authenticity

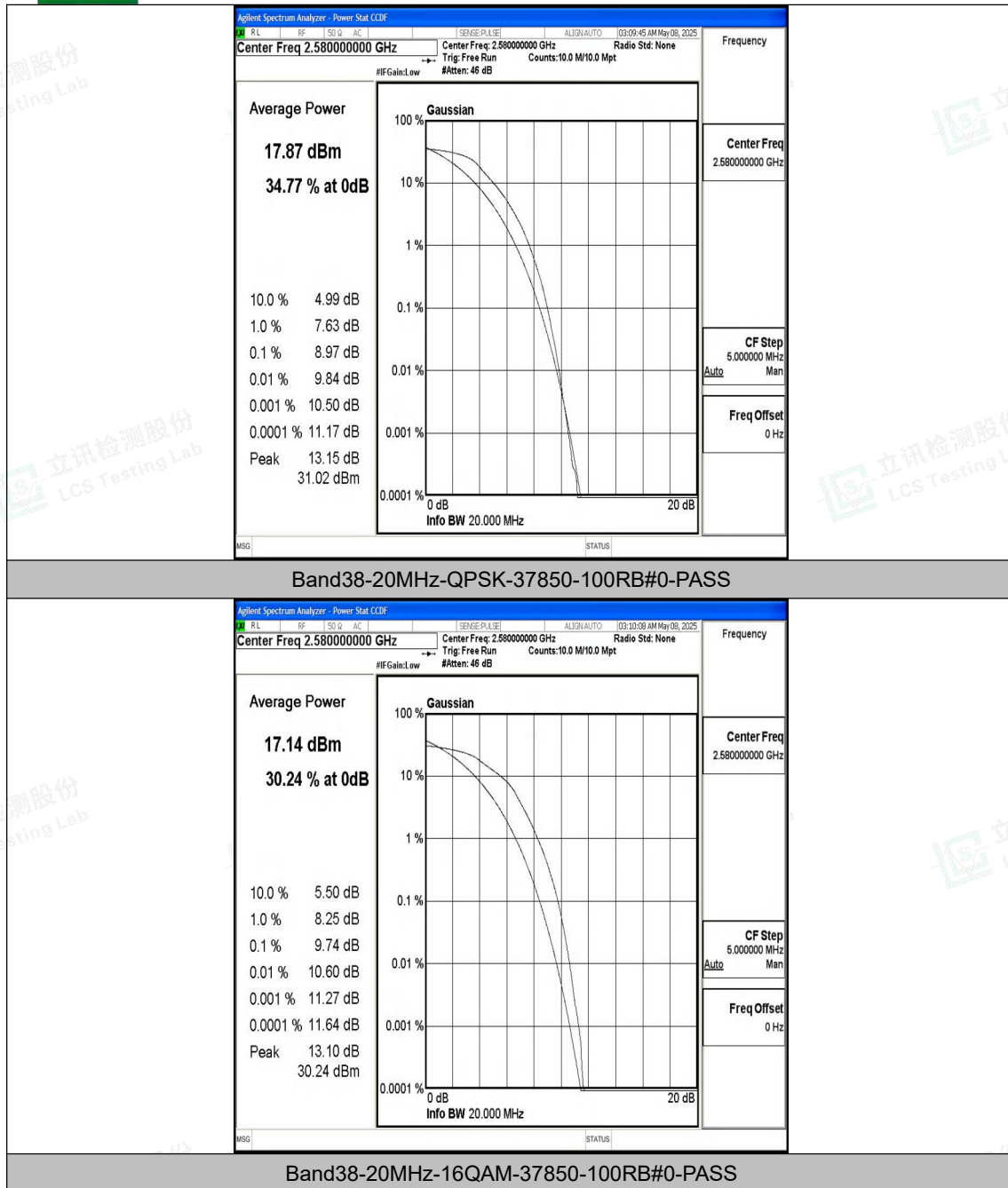


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

Scan code to check authenticity

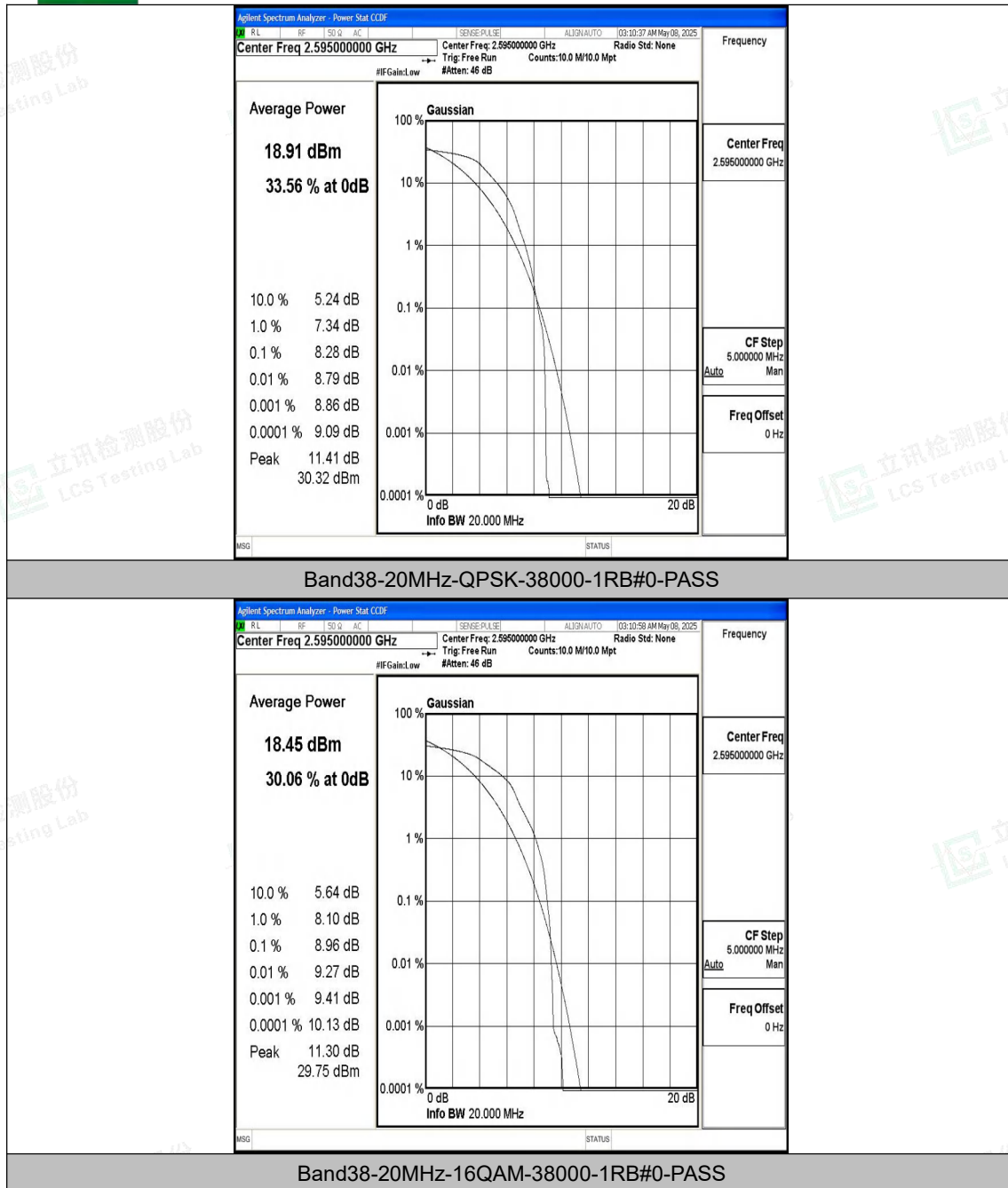


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

Scan code to check authenticity

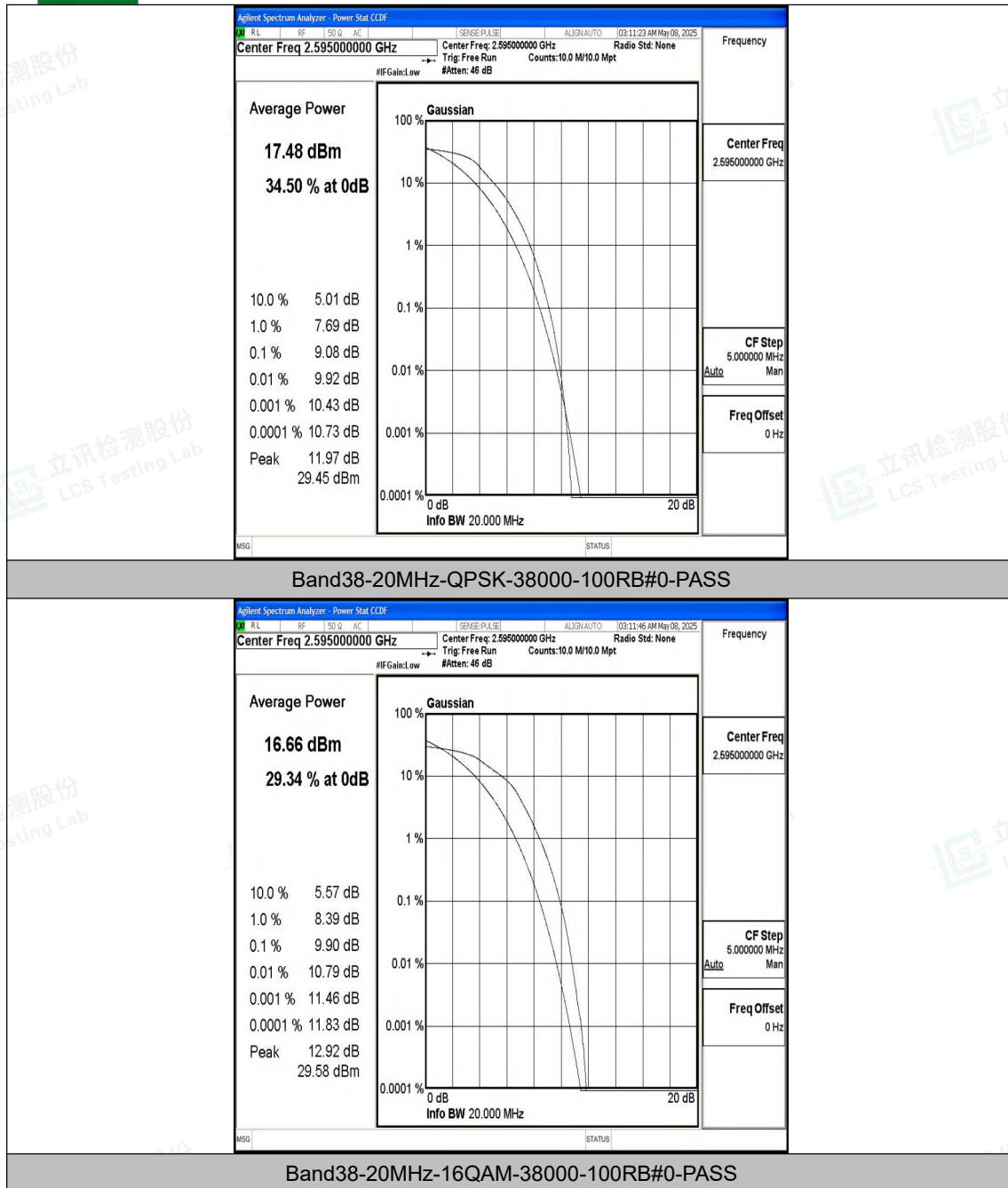


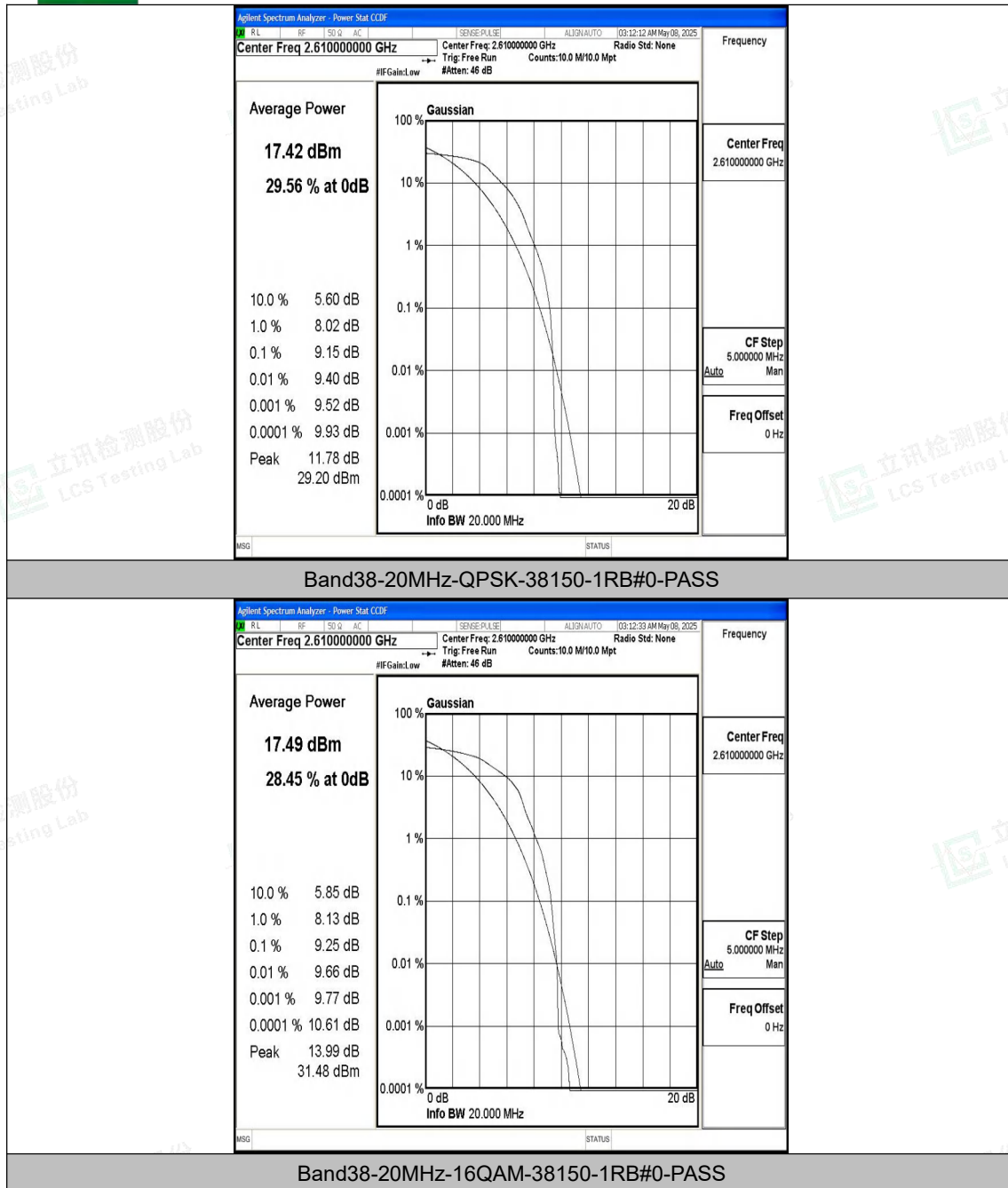
Shenzhen LCS Compliance Testing Laboratory Ltd.

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

Scan code to check authenticity



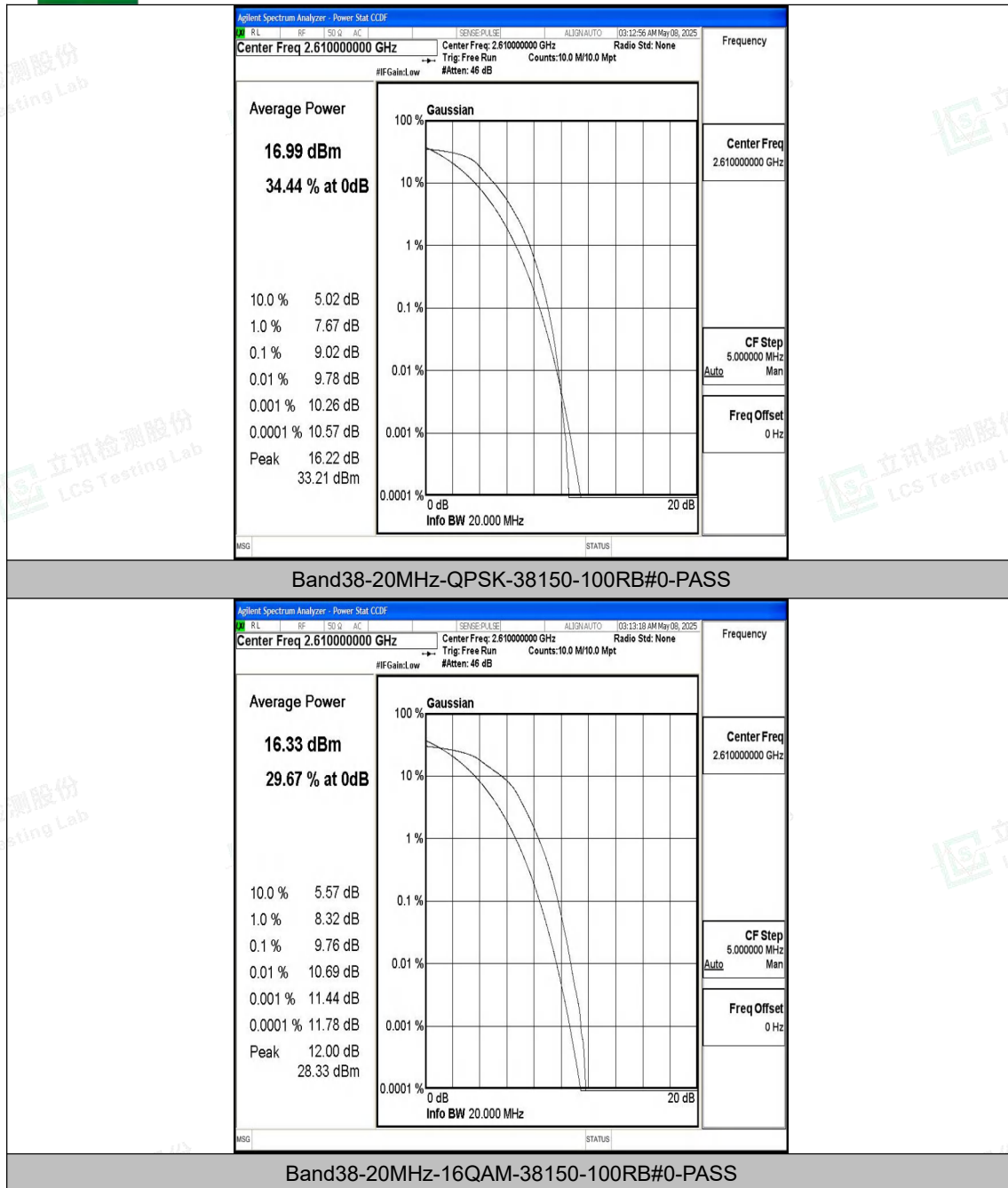


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

Scan code to check authenticity





J.3 26dB Bandwidth and Occupied Bandwidth

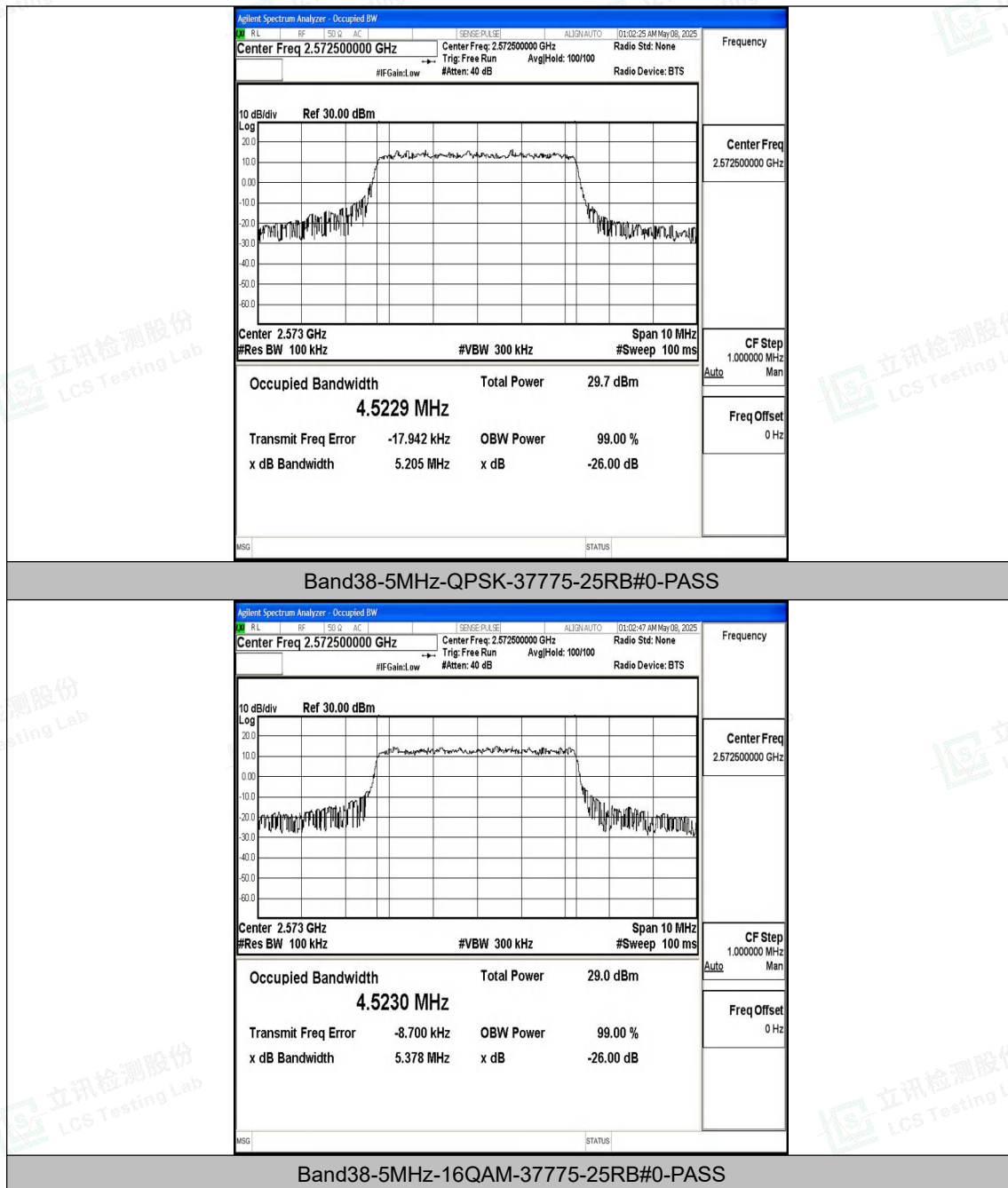
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.5229	5.205	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.5230	5.378	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5063	5.183	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.5212	5.427	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4998	5.252	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4920	5.256	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.0005	10.13	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9813	10.19	PASS
Band38	10MHz	QPSK	38000	50RB#0	9.0119	10.08	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9944	9.851	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.0341	10.15	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.0211	10.88	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.515	15.05	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.514	15.11	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.464	15.73	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.468	15.47	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.442	15.83	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.512	16.06	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.986	20.05	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.998	20.44	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.957	20.62	PASS
Band38	20MHz	16QAM	38000	100RB#0	18.011	20.58	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.956	19.88	PASS
Band38	20MHz	16QAM	38150	100RB#0	18.010	20.65	PASS





Test Graphs

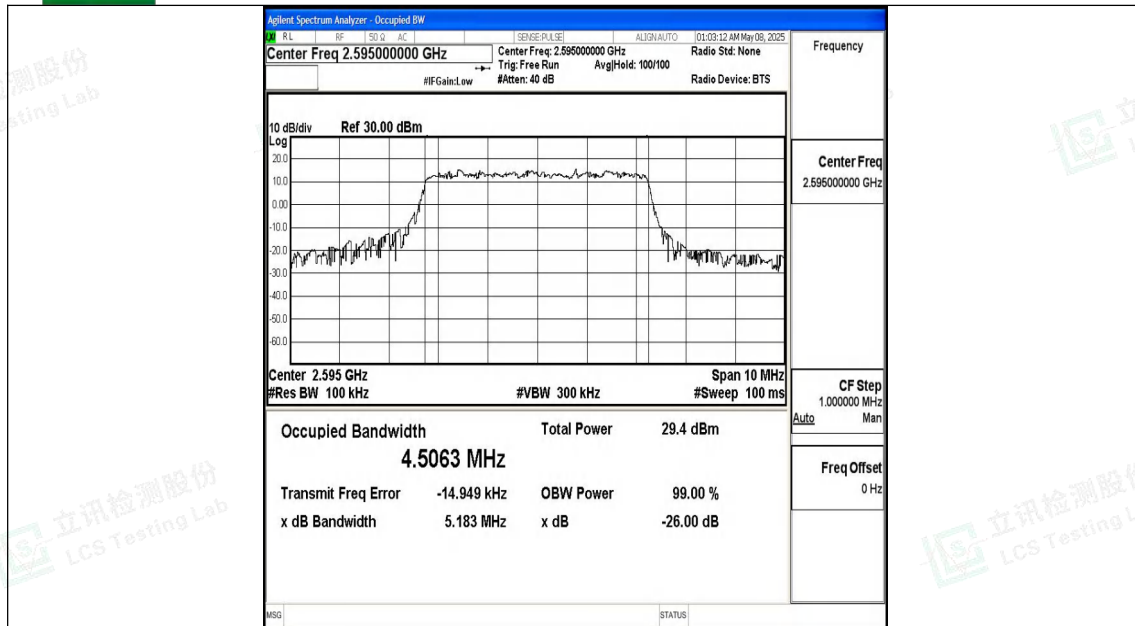


Shenzhen LCS Compliance Testing Laboratory Ltd.

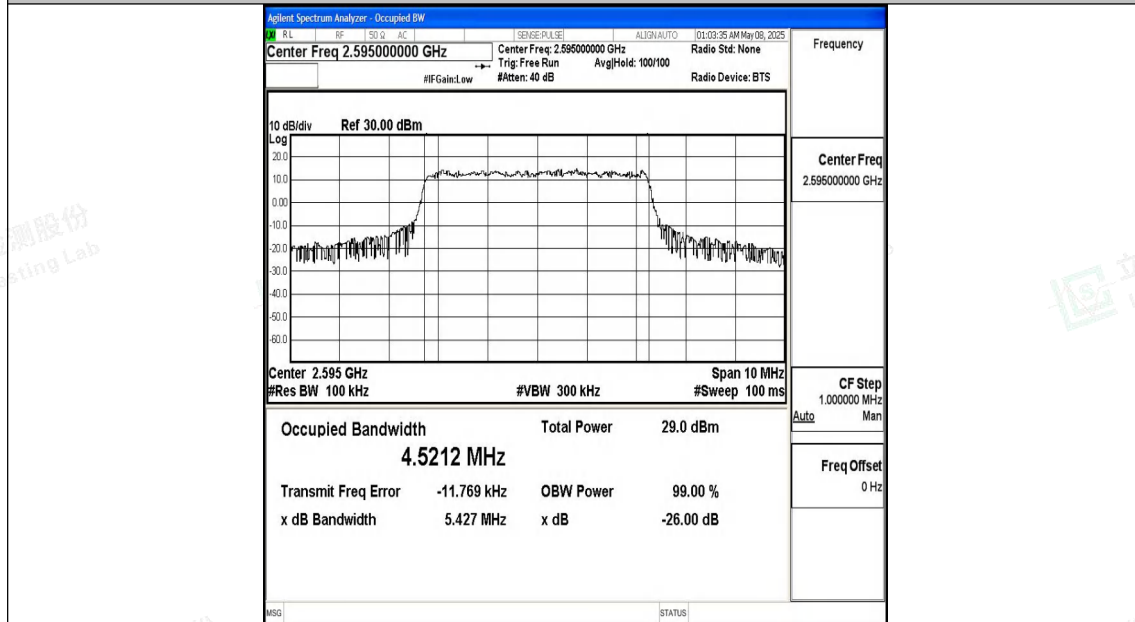
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

Scan code to check authenticity



Band38-5MHz-QPSK-38000-25RB#0-PASS



Band38-5MHz-16QAM-38000-25RB#0-PASS

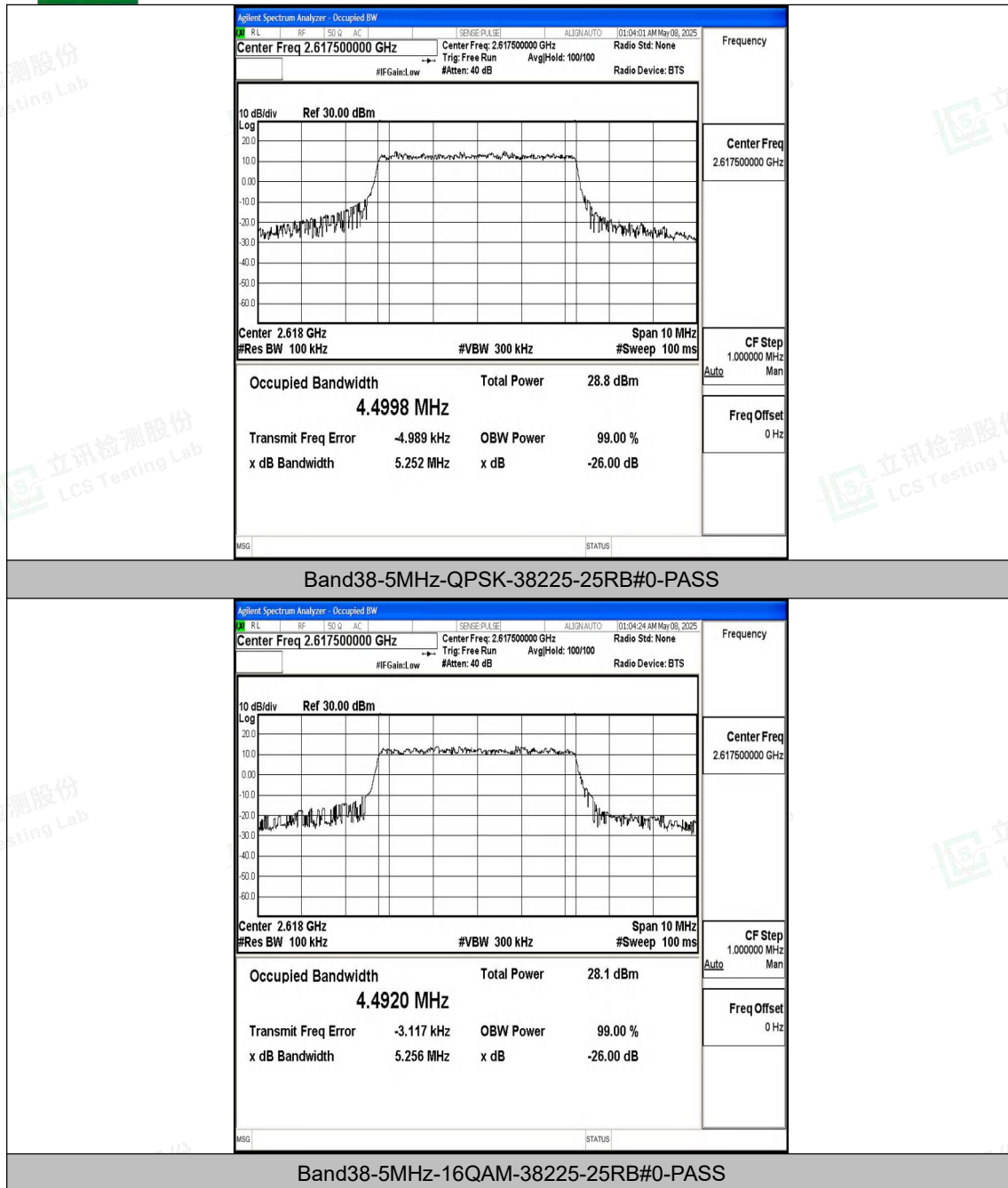


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

Scan code to check authenticity

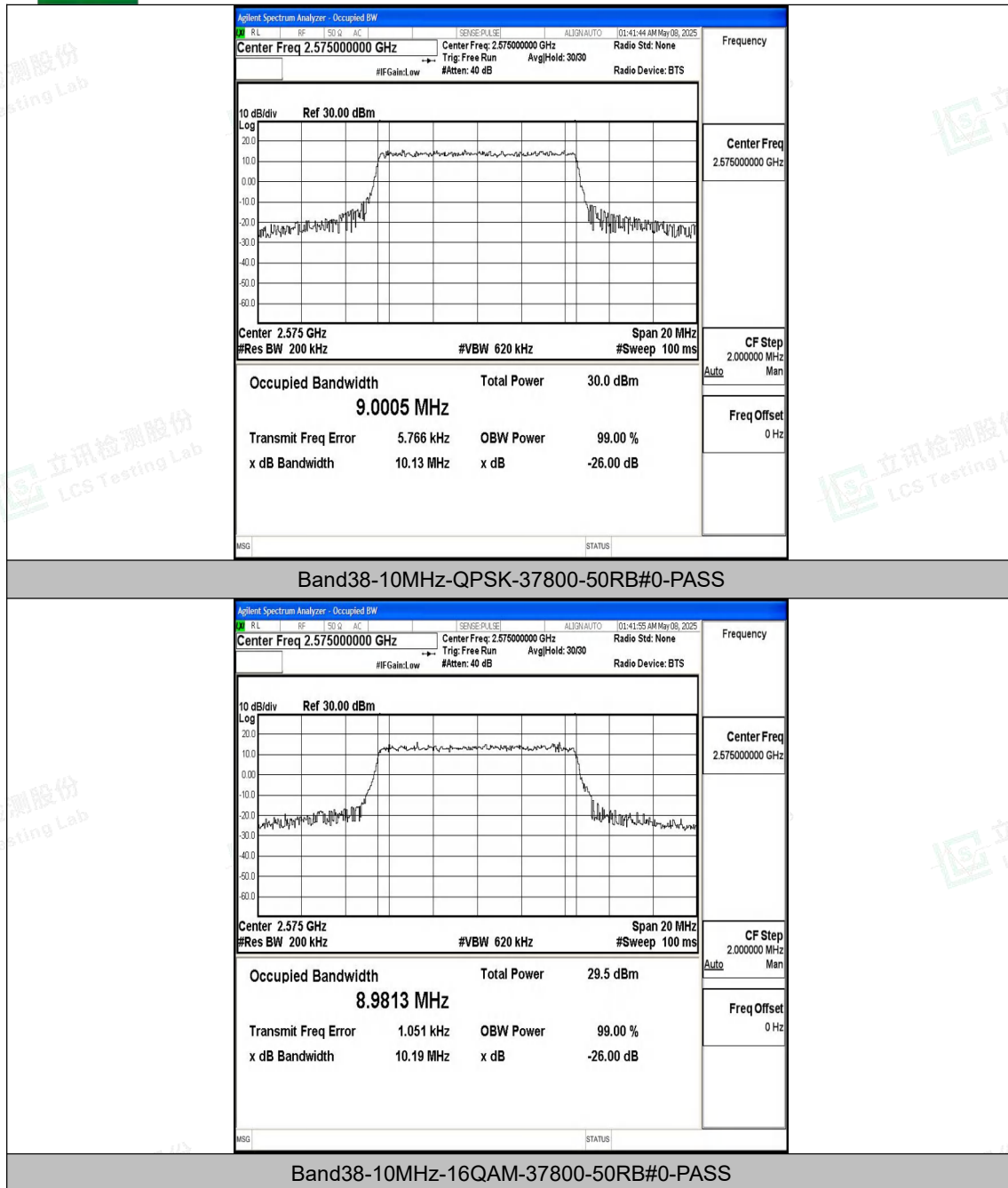


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

Scan code to check authenticity



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

Scan code to check authenticity