



Appendix O: Test Data for E-UTRA Band 38

Product Name: BluePad-5500 Plus

Test Model: BluePad-5500 Plus

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Taylor Hu
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



O.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	12RB#6	22.11	PASS
Band38	5MHz	16QAM	37775	12RB#6	21.06	PASS
Band38	5MHz	QPSK	37775	12RB#13	22.06	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.99	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.09	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.10	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.73	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.86	PASS
Band38	5MHz	QPSK	38000	1RB#12	22.83	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.95	PASS
Band38	5MHz	QPSK	38000	1RB#24	22.65	PASS
Band38	5MHz	QPSK	37775	1RB#0	22.98	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.78	PASS
Band38	5MHz	QPSK	38000	12RB#0	21.83	PASS
Band38	5MHz	16QAM	38000	12RB#0	20.85	PASS
Band38	5MHz	QPSK	38000	12RB#6	21.83	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.85	PASS
Band38	5MHz	QPSK	38000	12RB#13	21.80	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.82	PASS
Band38	5MHz	QPSK	38000	25RB#0	21.84	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.84	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.70	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.97	PASS
Band38	5MHz	QPSK	38225	1RB#12	22.89	PASS
Band38	5MHz	16QAM	38225	1RB#12	22.13	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.80	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.06	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.76	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.74	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.78	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.73	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.90	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.85	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.87	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.84	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.09	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	37800	1RB#0	22.27	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.33	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.49	PASS
Band38	10MHz	QPSK	37800	1RB#49	23.14	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.30	PASS
Band38	10MHz	QPSK	37800	25RB#0	22.22	PASS
Band38	10MHz	16QAM	37800	25RB#0	21.29	PASS
Band38	10MHz	QPSK	37800	25RB#12	22.19	PASS
Band38	10MHz	16QAM	37800	25RB#12	21.26	PASS
Band38	10MHz	QPSK	37800	25RB#25	22.10	PASS
Band38	10MHz	16QAM	37800	25RB#25	21.16	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.18	PASS
Band38	10MHz	16QAM	37800	50RB#0	21.18	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.97	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.64	PASS
Band38	10MHz	QPSK	38000	1RB#24	23.10	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.77	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.75	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.46	PASS
Band38	10MHz	QPSK	38000	25RB#0	21.95	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.98	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.95	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.96	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.82	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.85	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.89	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.92	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.72	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.89	PASS
Band38	10MHz	QPSK	38200	1RB#24	23.02	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.15	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.91	PASS
Band38	10MHz	16QAM	38200	1RB#49	22.06	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.74	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.79	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.75	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.79	PASS
Band38	10MHz	QPSK	38200	25RB#25	21.96	PASS
Band38	10MHz	16QAM	38200	25RB#25	21.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.86	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	50RB#0	20.86	PASS
Band38	15MHz	QPSK	37825	1RB#0	23.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.19	PASS
Band38	15MHz	QPSK	37825	1RB#38	23.15	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.31	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.96	PASS
Band38	15MHz	16QAM	37825	1RB#74	22.12	PASS
Band38	15MHz	QPSK	37825	38RB#0	22.16	PASS
Band38	15MHz	16QAM	37825	38RB#0	22.15	PASS
Band38	15MHz	QPSK	37825	38RB#18	22.17	PASS
Band38	15MHz	16QAM	37825	38RB#18	22.15	PASS
Band38	15MHz	QPSK	37825	38RB#37	22.15	PASS
Band38	15MHz	16QAM	37825	38RB#37	22.16	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.15	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.16	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.96	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.78	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.99	PASS
Band38	15MHz	16QAM	38000	1RB#38	21.72	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.68	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.44	PASS
Band38	15MHz	QPSK	38000	38RB#0	21.95	PASS
Band38	15MHz	16QAM	38000	38RB#0	21.94	PASS
Band38	15MHz	QPSK	38000	38RB#18	21.93	PASS
Band38	15MHz	16QAM	38000	38RB#18	21.96	PASS
Band38	15MHz	QPSK	38000	38RB#37	21.96	PASS
Band38	15MHz	16QAM	38000	38RB#37	21.96	PASS
Band38	15MHz	QPSK	38000	75RB#0	21.95	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.95	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.64	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.73	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.75	PASS
Band38	15MHz	16QAM	38175	1RB#38	21.92	PASS
Band38	15MHz	QPSK	38175	1RB#74	22.79	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.94	PASS
Band38	15MHz	QPSK	38175	38RB#0	21.91	PASS
Band38	15MHz	16QAM	38175	38RB#0	21.90	PASS
Band38	15MHz	QPSK	38175	38RB#18	21.90	PASS
Band38	15MHz	16QAM	38175	38RB#18	21.90	PASS
Band38	15MHz	QPSK	38175	38RB#37	21.90	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	38RB#37	21.89	PASS
Band38	15MHz	QPSK	38175	75RB#0	21.90	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.87	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.83	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.82	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.29	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.30	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.74	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.76	PASS
Band38	20MHz	QPSK	37850	50RB#0	22.18	PASS
Band38	20MHz	16QAM	37850	50RB#0	21.20	PASS
Band38	20MHz	QPSK	37850	50RB#25	22.16	PASS
Band38	20MHz	16QAM	37850	50RB#25	21.22	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.95	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.98	PASS
Band38	20MHz	QPSK	37850	100RB#0	22.12	PASS
Band38	20MHz	16QAM	37850	100RB#0	21.10	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.75	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.36	PASS
Band38	20MHz	QPSK	38000	1RB#49	22.94	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.54	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.40	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.01	PASS
Band38	20MHz	QPSK	38000	50RB#0	21.99	PASS
Band38	20MHz	16QAM	38000	50RB#0	21.05	PASS
Band38	20MHz	QPSK	38000	50RB#25	22.00	PASS
Band38	20MHz	16QAM	38000	50RB#25	21.06	PASS
Band38	20MHz	QPSK	38000	50RB#50	21.75	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.80	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.87	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.89	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.48	PASS
Band38	20MHz	16QAM	38150	1RB#0	21.47	PASS
Band38	20MHz	QPSK	38150	1RB#49	22.92	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.88	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.63	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.61	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.61	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.63	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.59	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	50RB#25	20.63	PASS
Band38	20MHz	QPSK	38150	50RB#50	21.91	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.95	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.78	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.80	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.29	PASS
Band38	5MHz	QPSK	37775	1RB#12	23.14	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.45	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.97	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.32	PASS
Band38	5MHz	QPSK	37775	12RB#0	22.12	PASS
Band38	5MHz	16QAM	37775	12RB#0	21.05	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



O.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	8.72	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	9.20	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	9.05	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	9.75	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	7.83	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	8.61	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	8.97	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	9.61	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	7.49	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	8.60	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	9.14	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	9.57	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	8.71	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	9.25	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.06	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.92	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	7.66	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	8.61	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.78	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.76	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	7.24	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	8.59	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.78	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.50	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	8.56	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	9.59	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	9.73	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	10.19	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	7.98	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	8.62	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	9.02	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	9.65	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	7.87	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	8.55	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	9.13	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	9.71	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	20MHz	QPSK	37850	1RB#0	8.22	13	PASS
Band38	20MHz	16QAM	37850	1RB#0	9.14	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	9.15	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.14	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	7.99	13	PASS
Band38	20MHz	16QAM	38000	1RB#0	8.83	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	9.15	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.39	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	7.86	13	PASS
Band38	20MHz	16QAM	38150	1RB#0	8.25	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	9.25	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.71	13	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

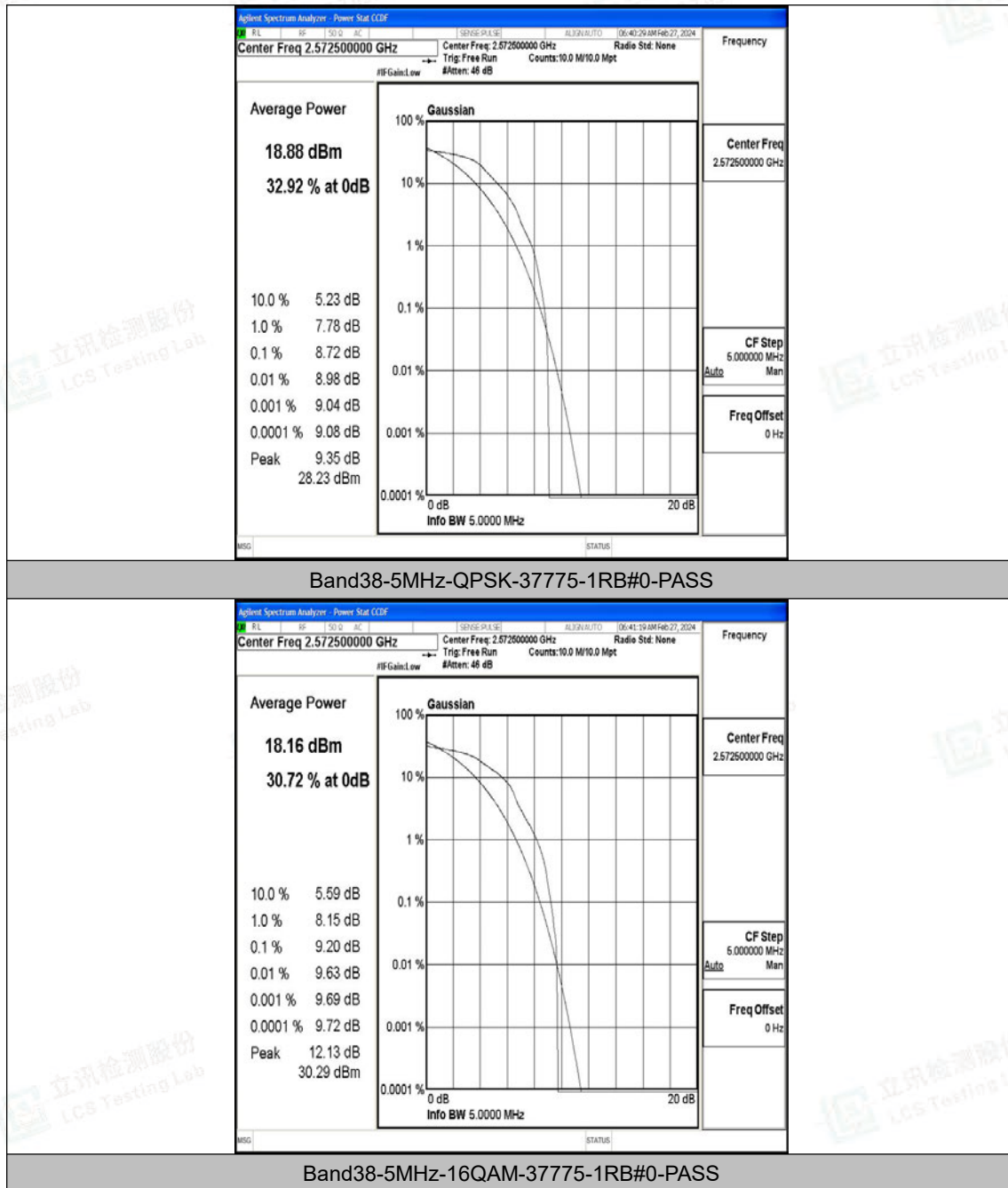
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

Scan code to check authenticity



Test Graphs

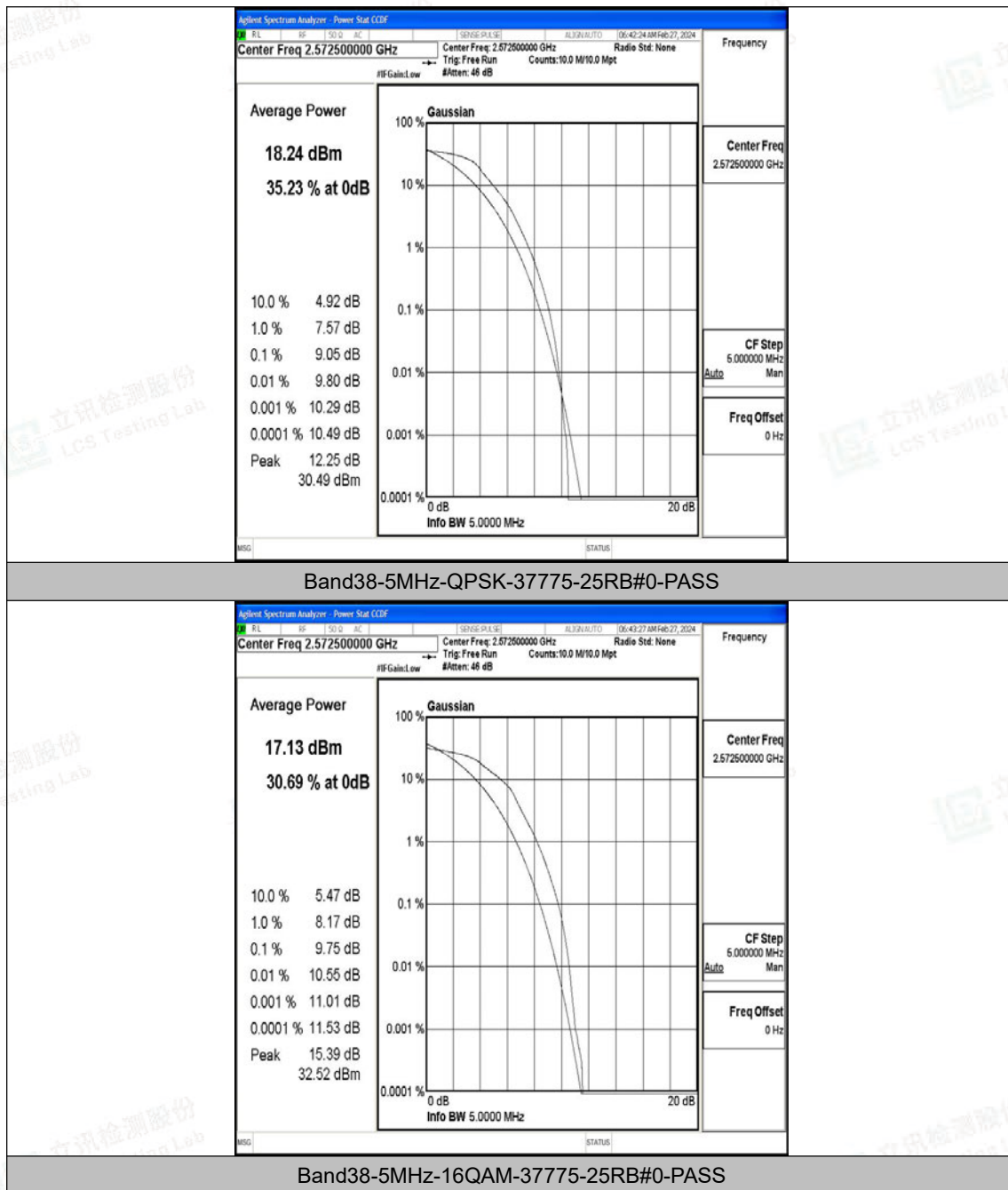


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

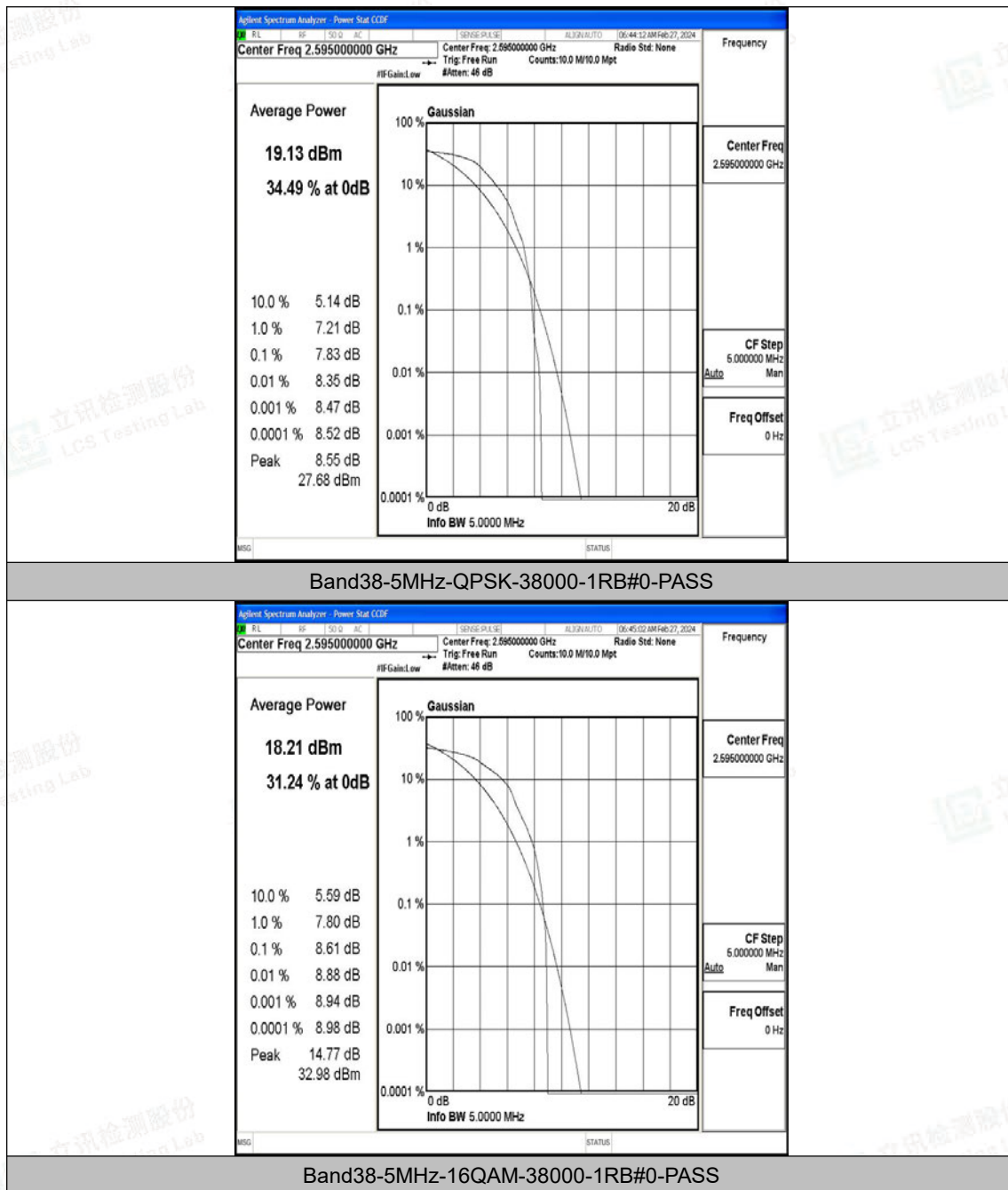


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

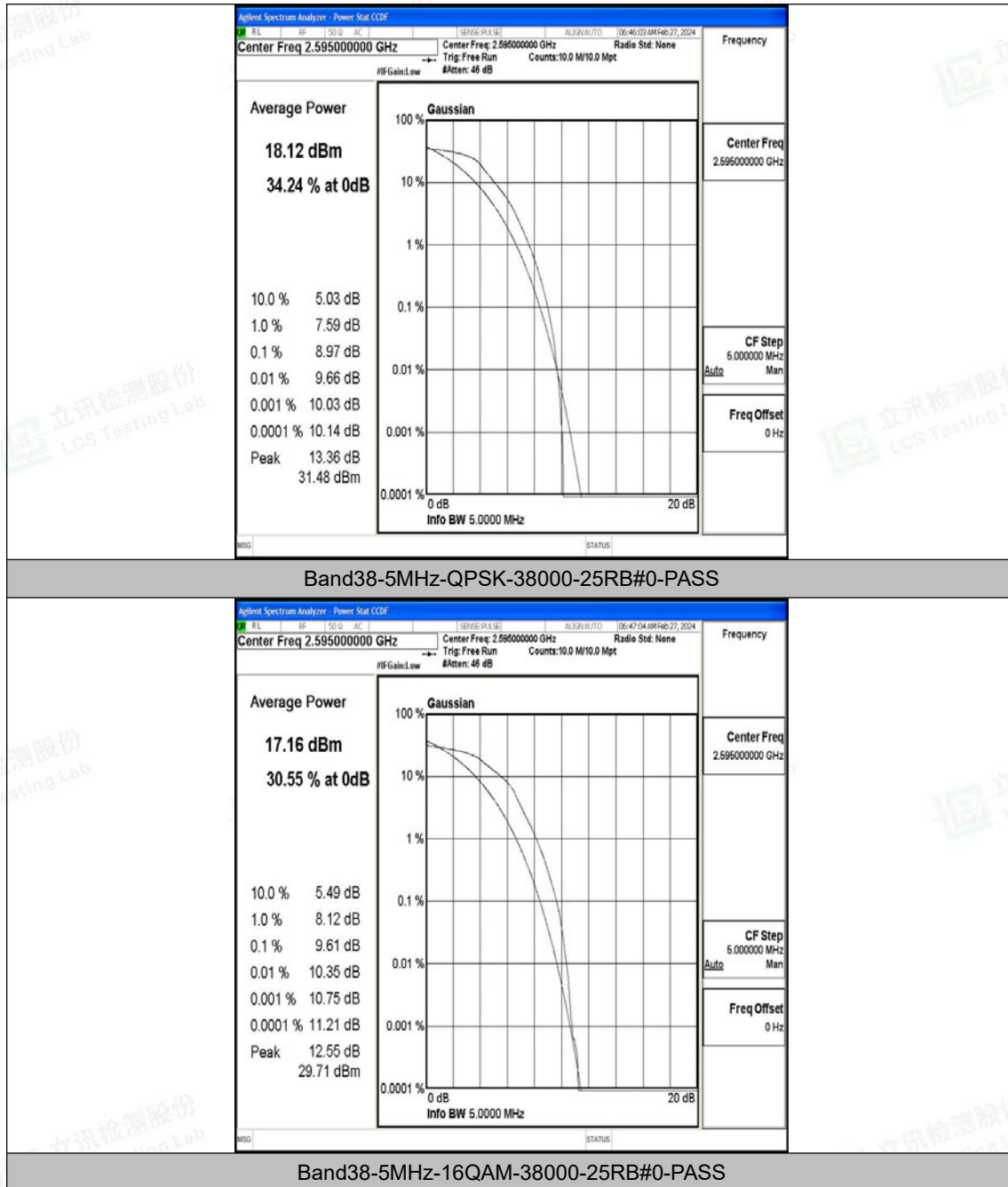


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

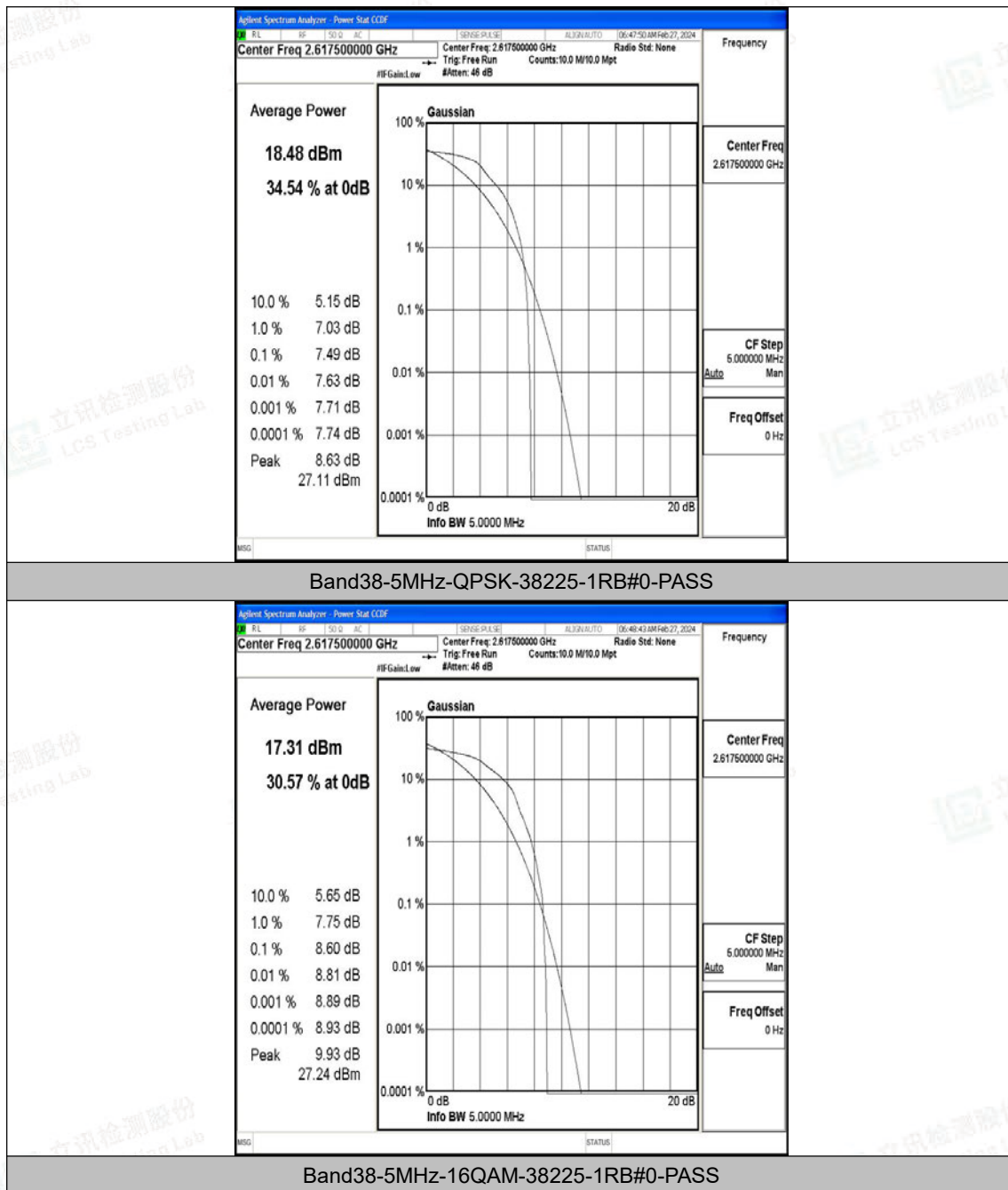


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

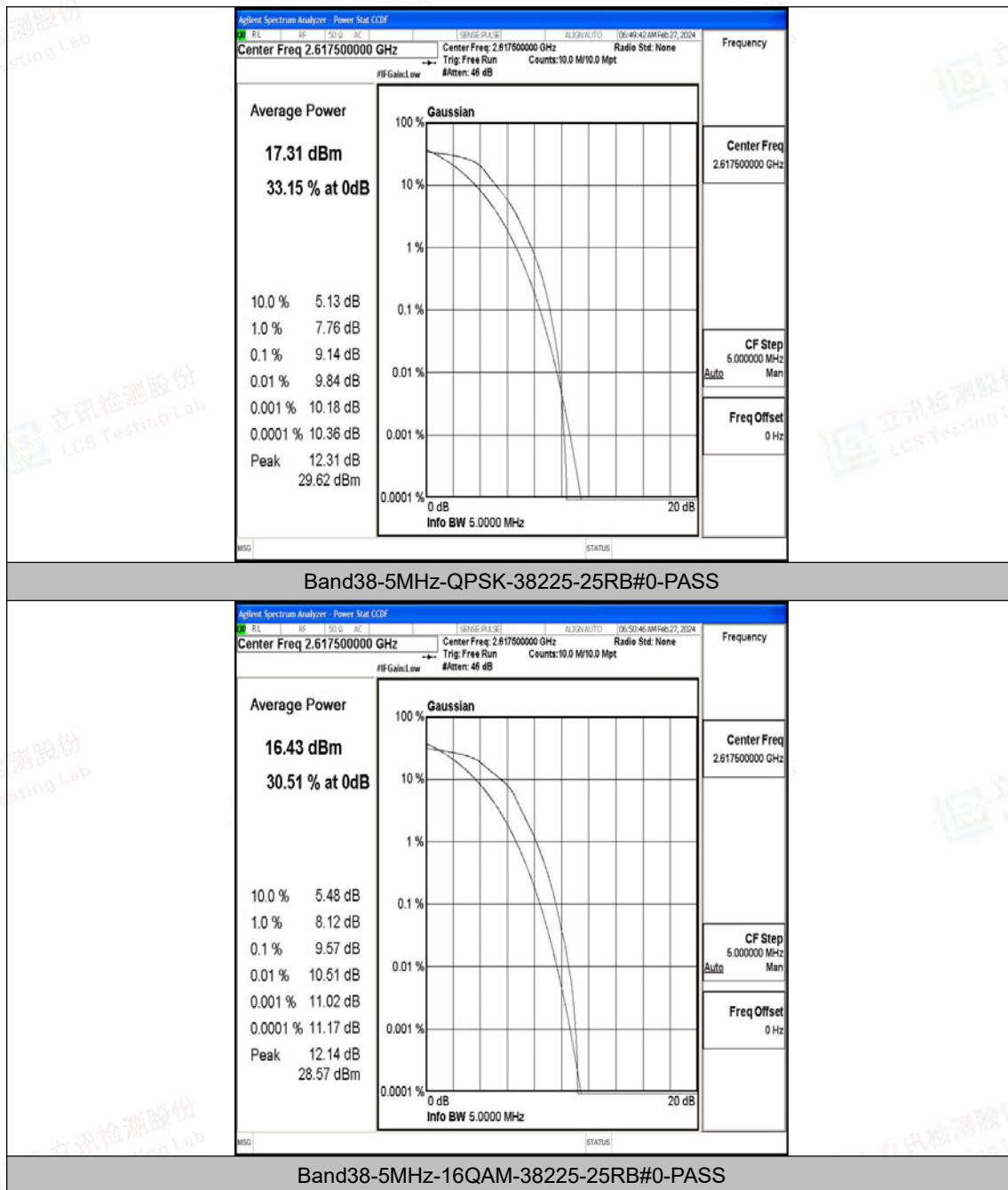


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

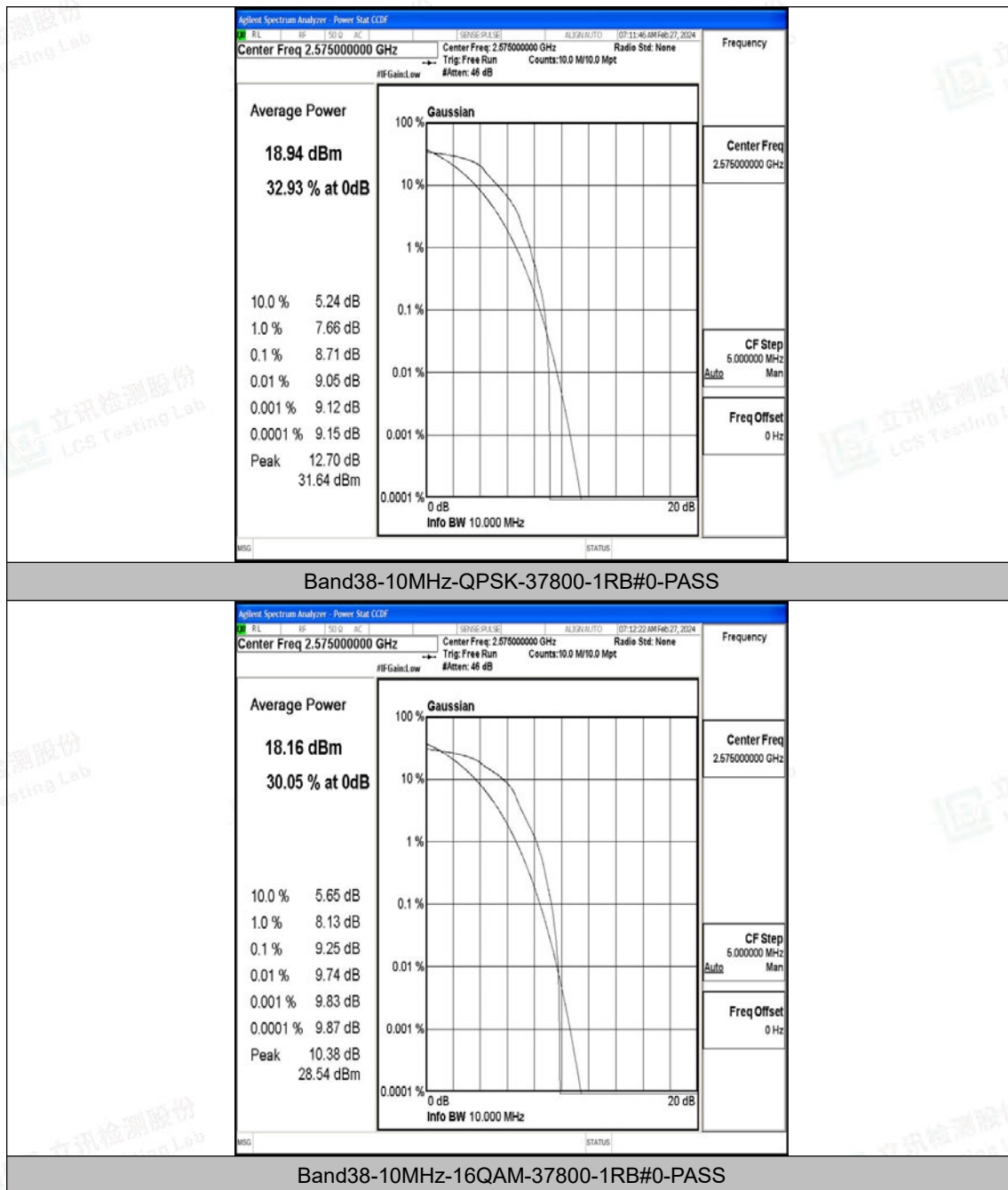


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

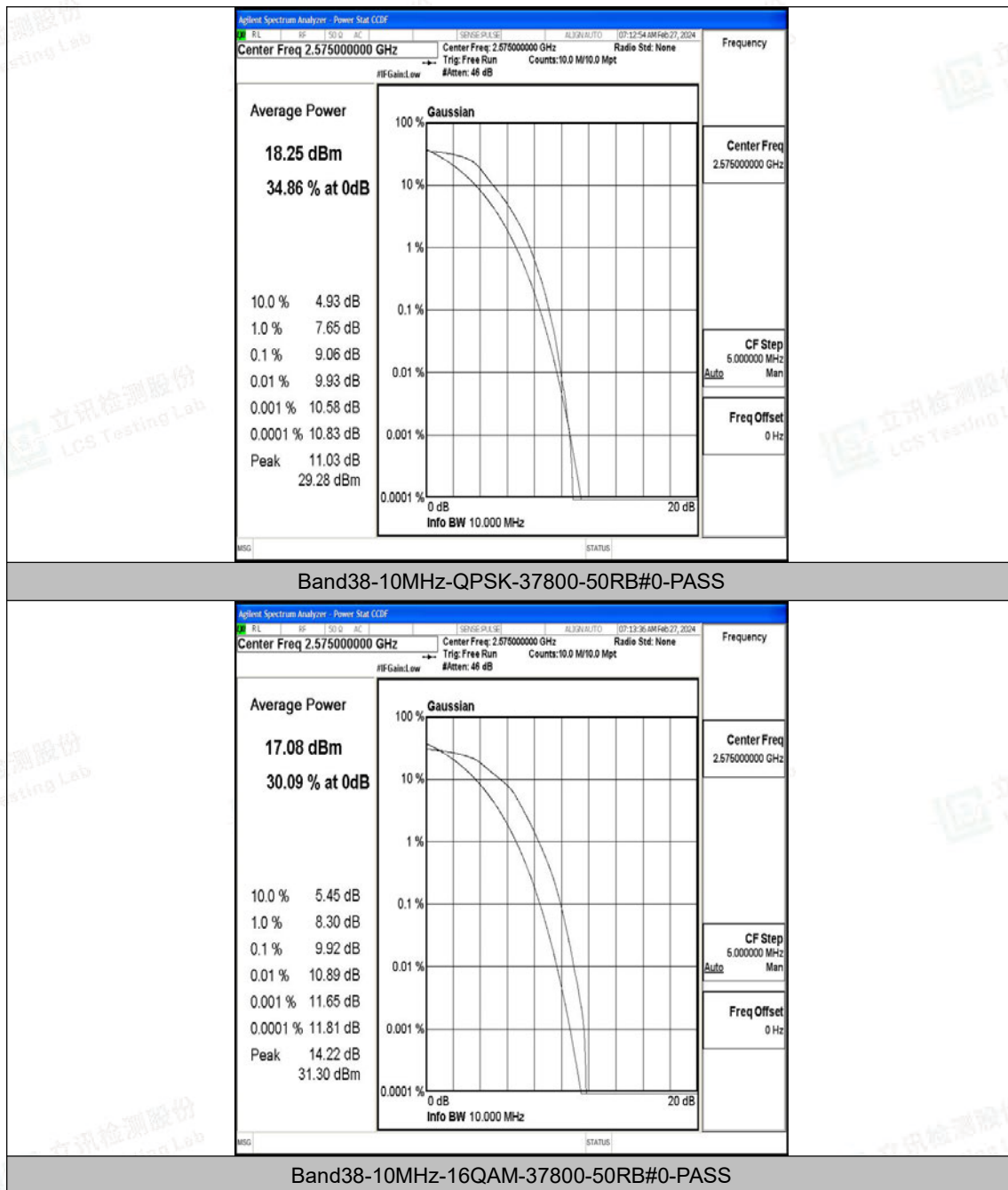


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

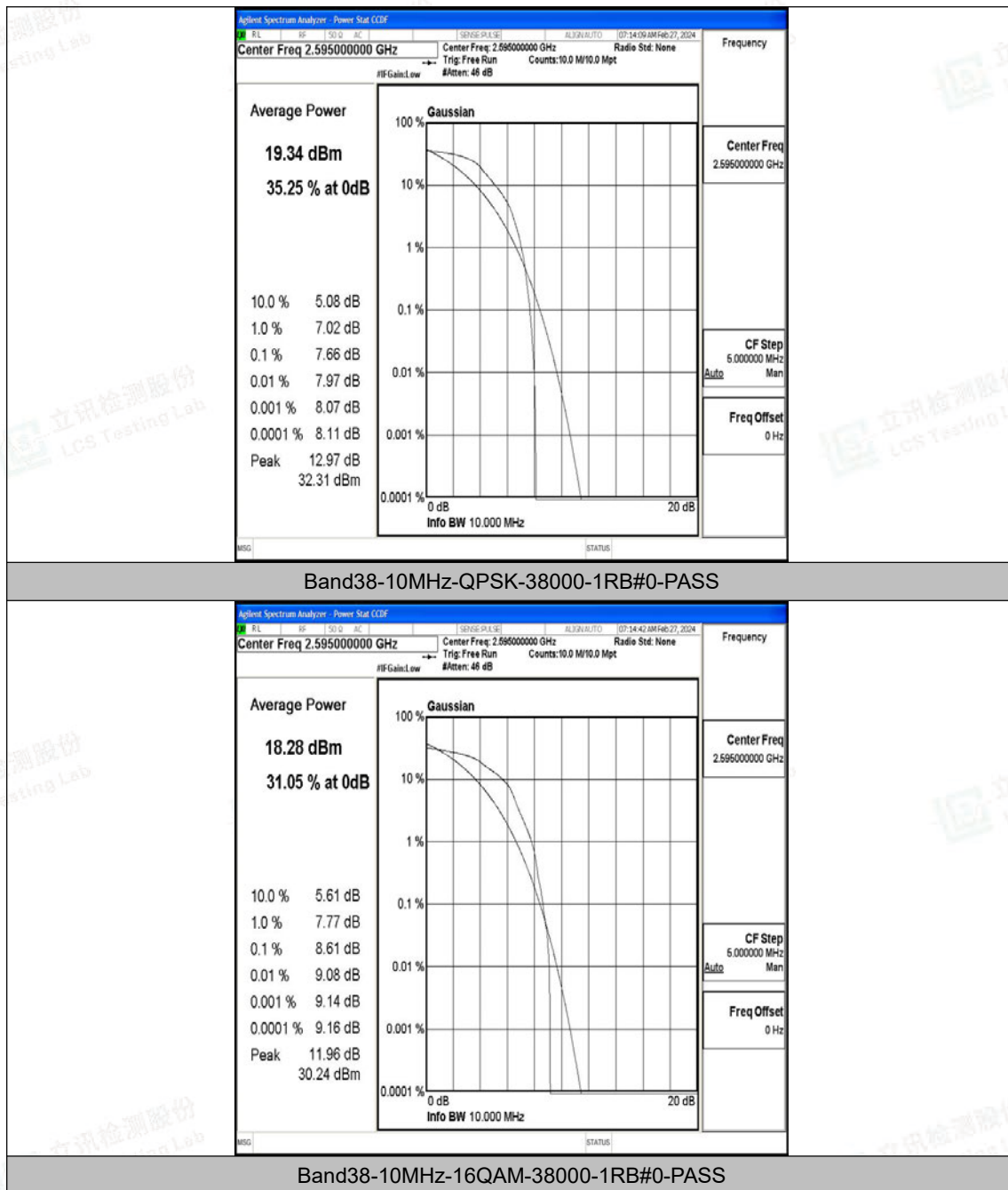


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

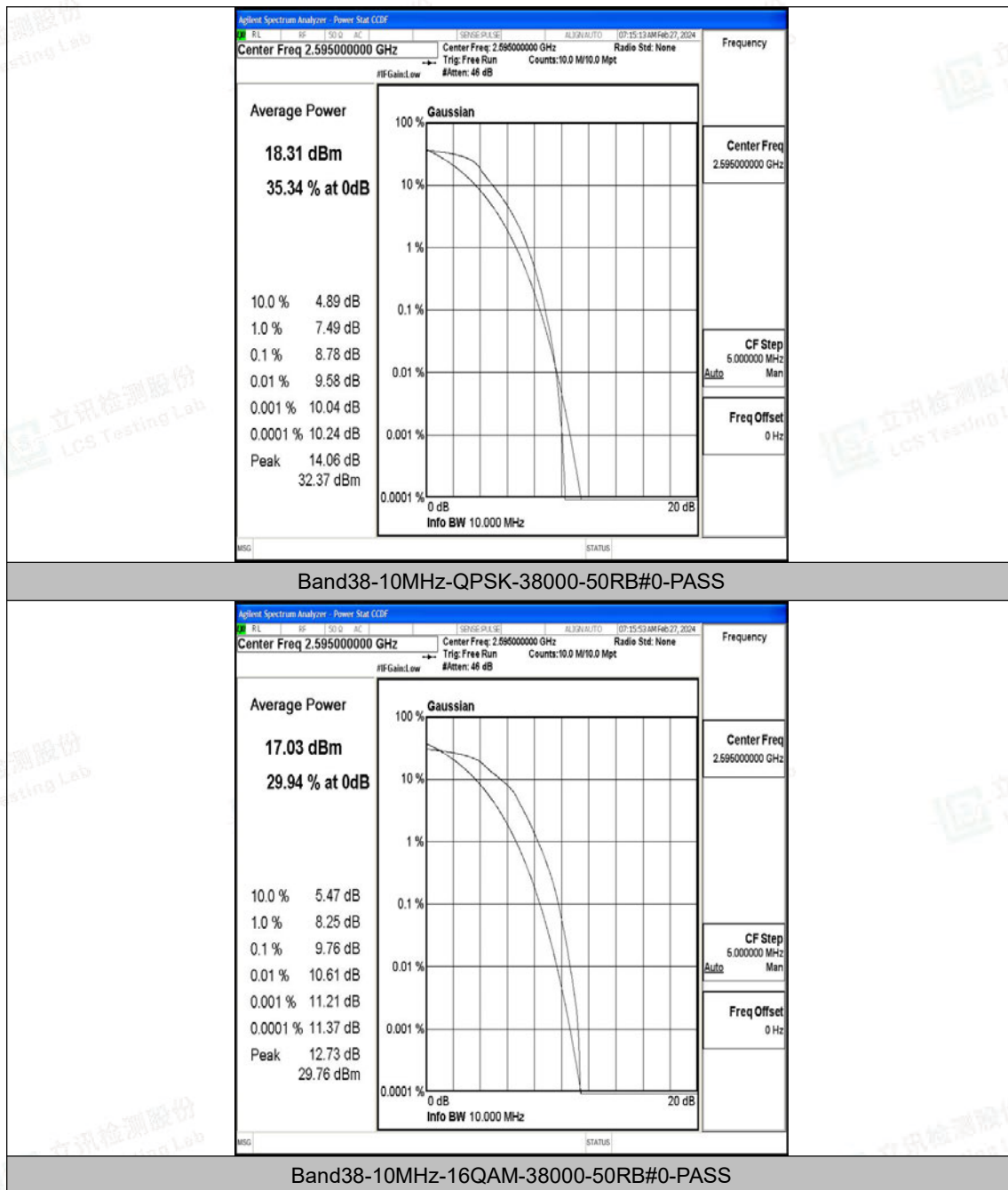


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

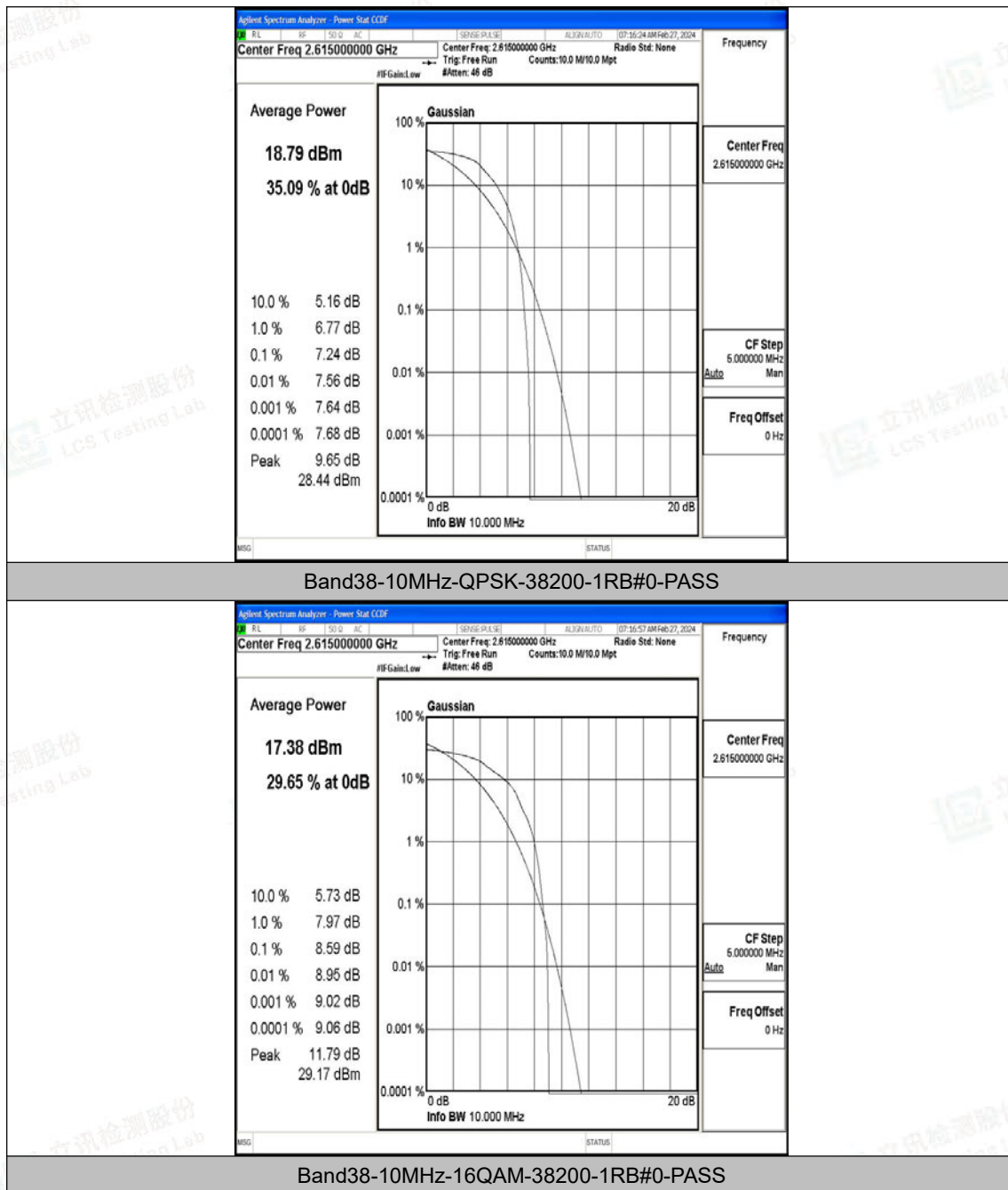


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

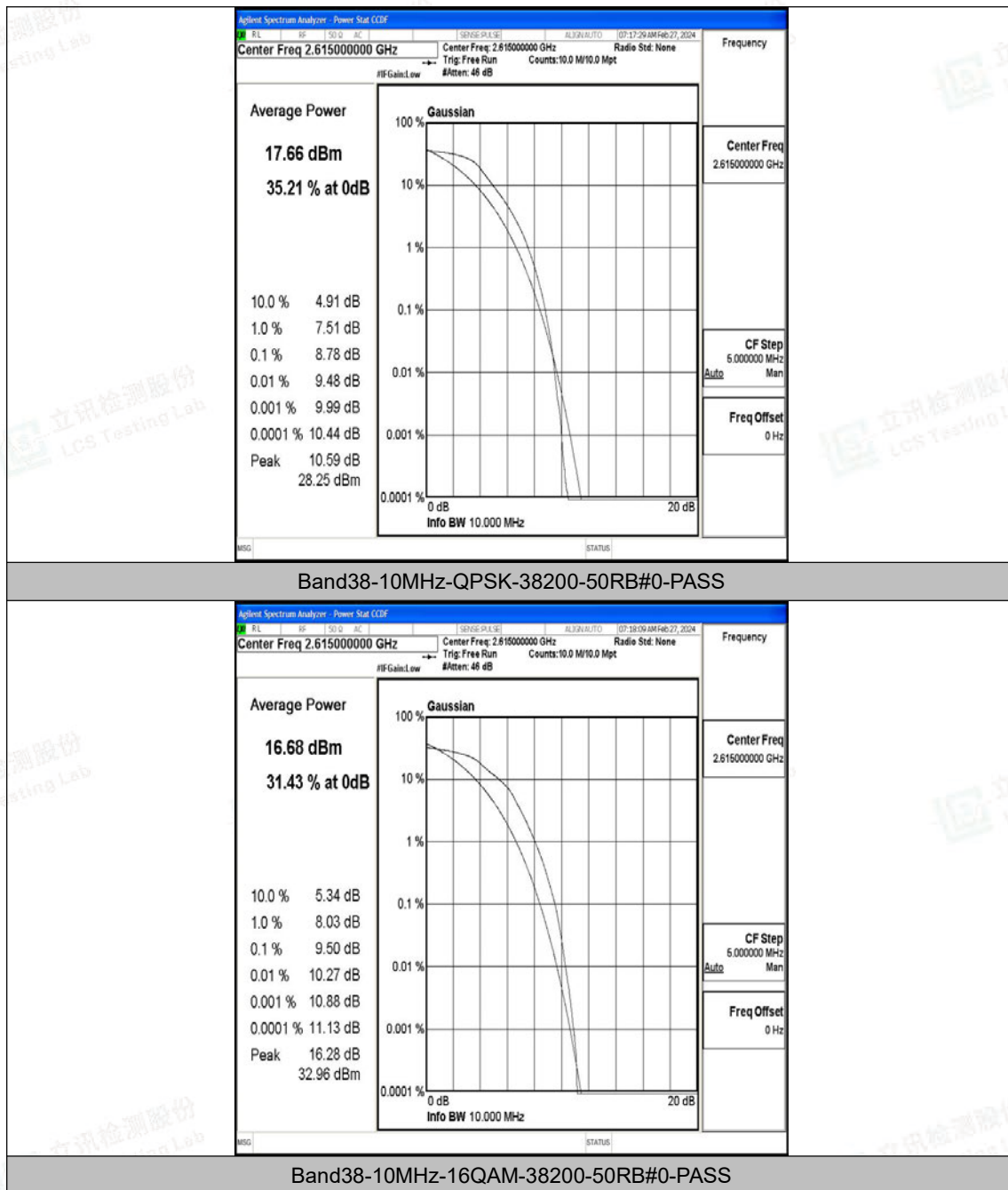


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

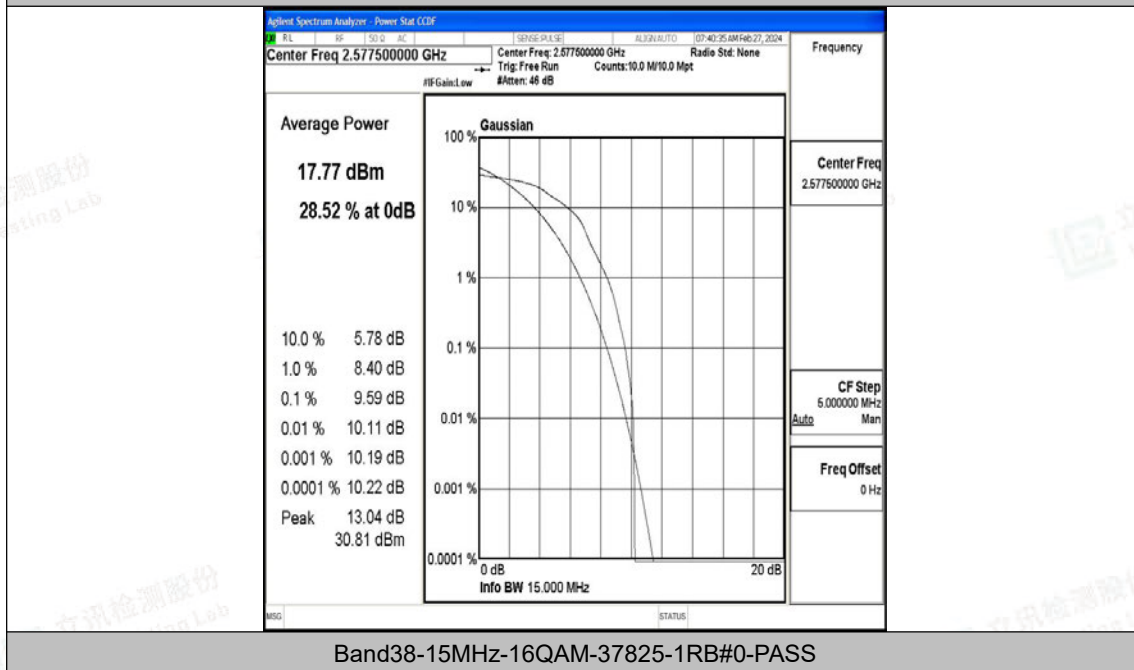
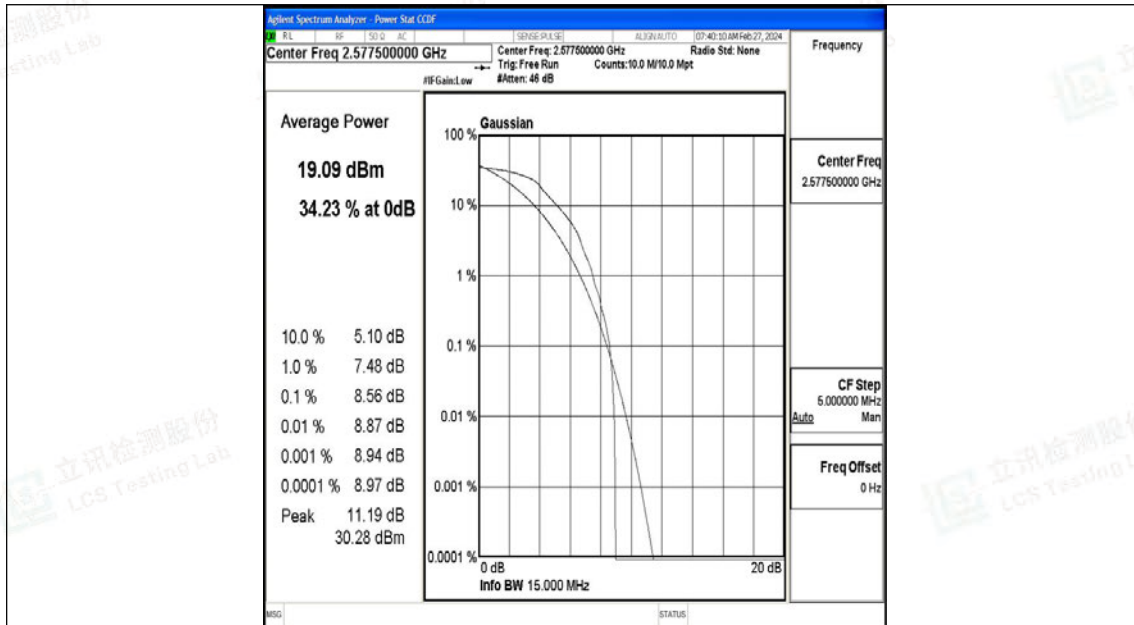


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

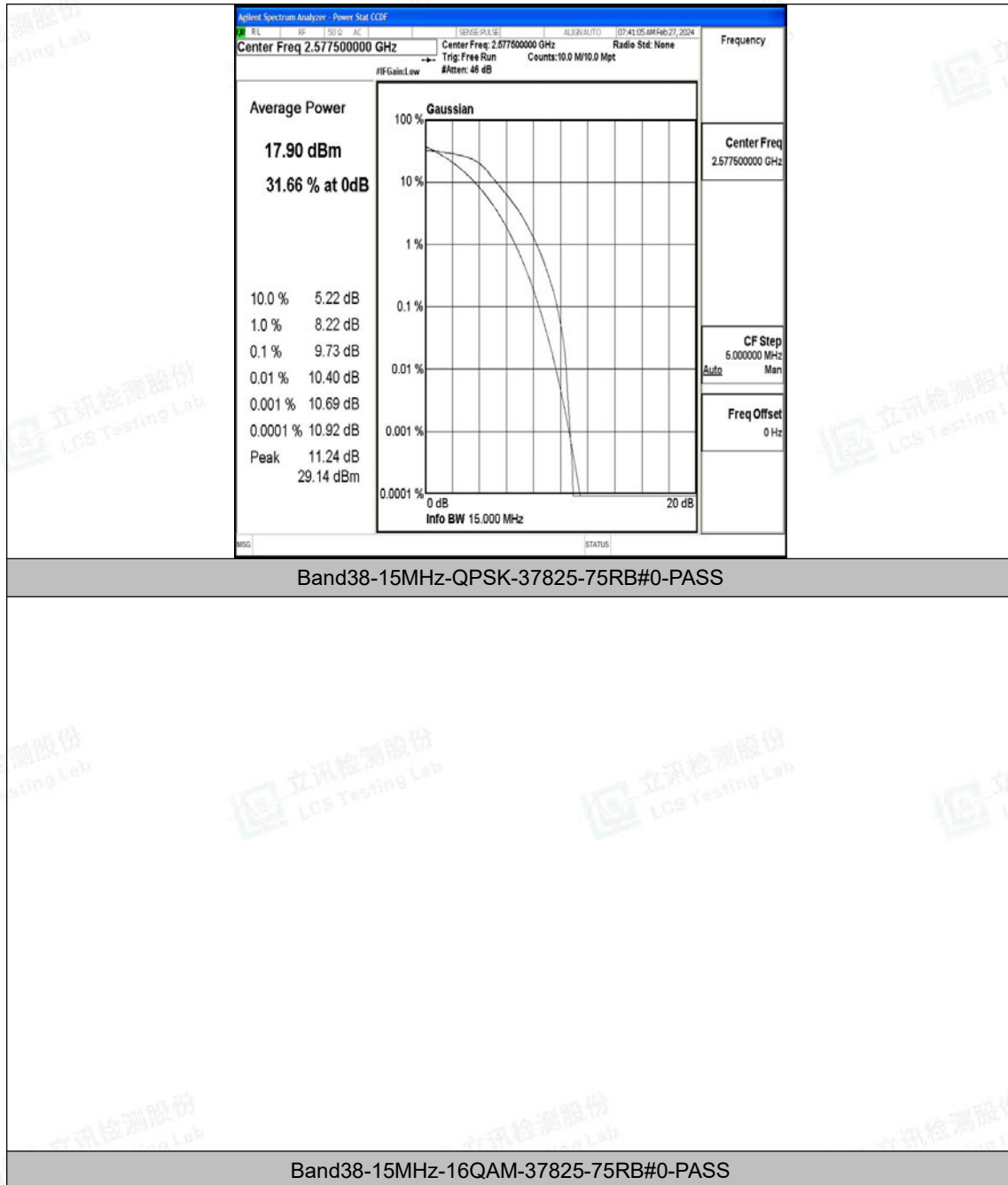


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

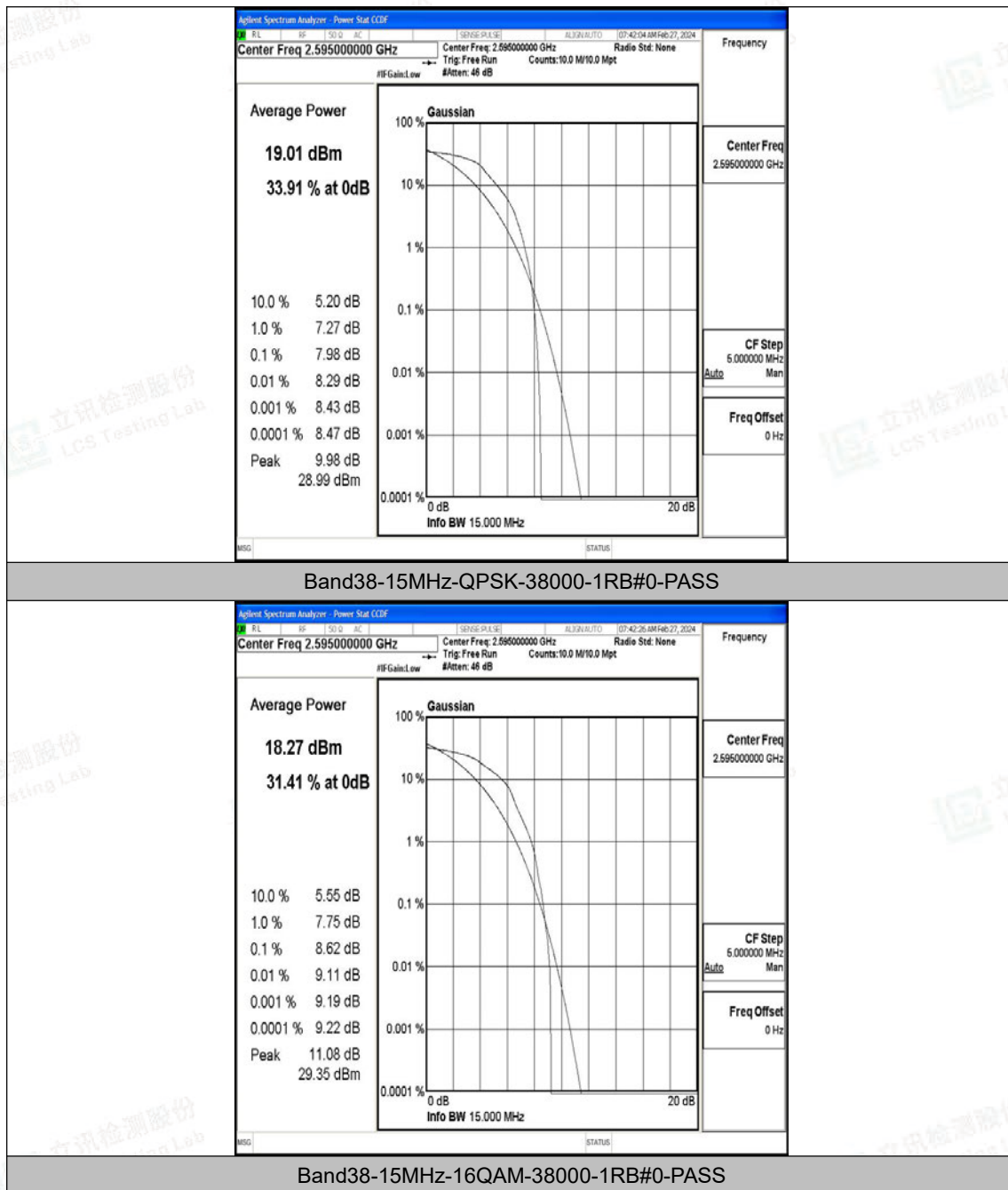


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

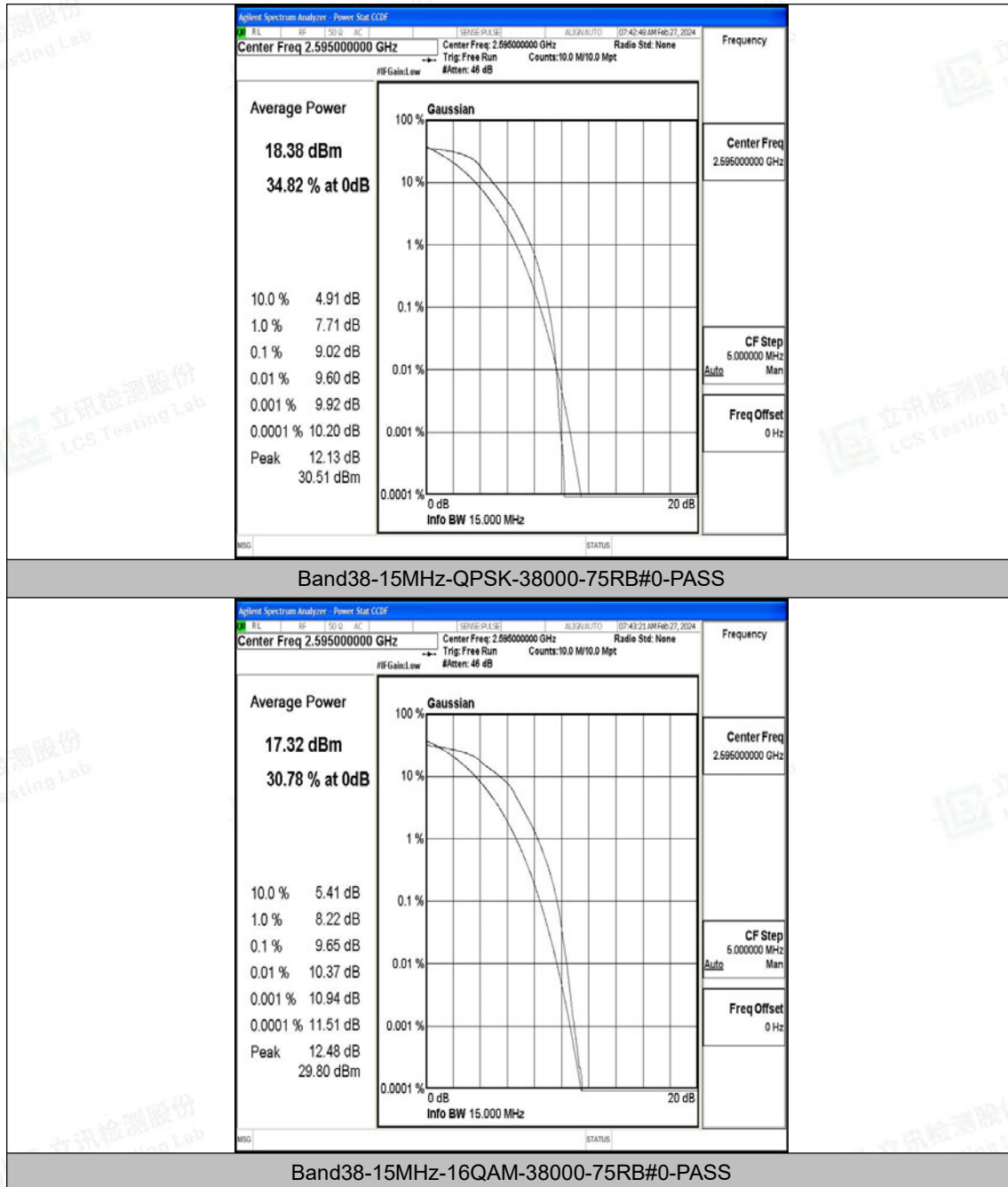


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

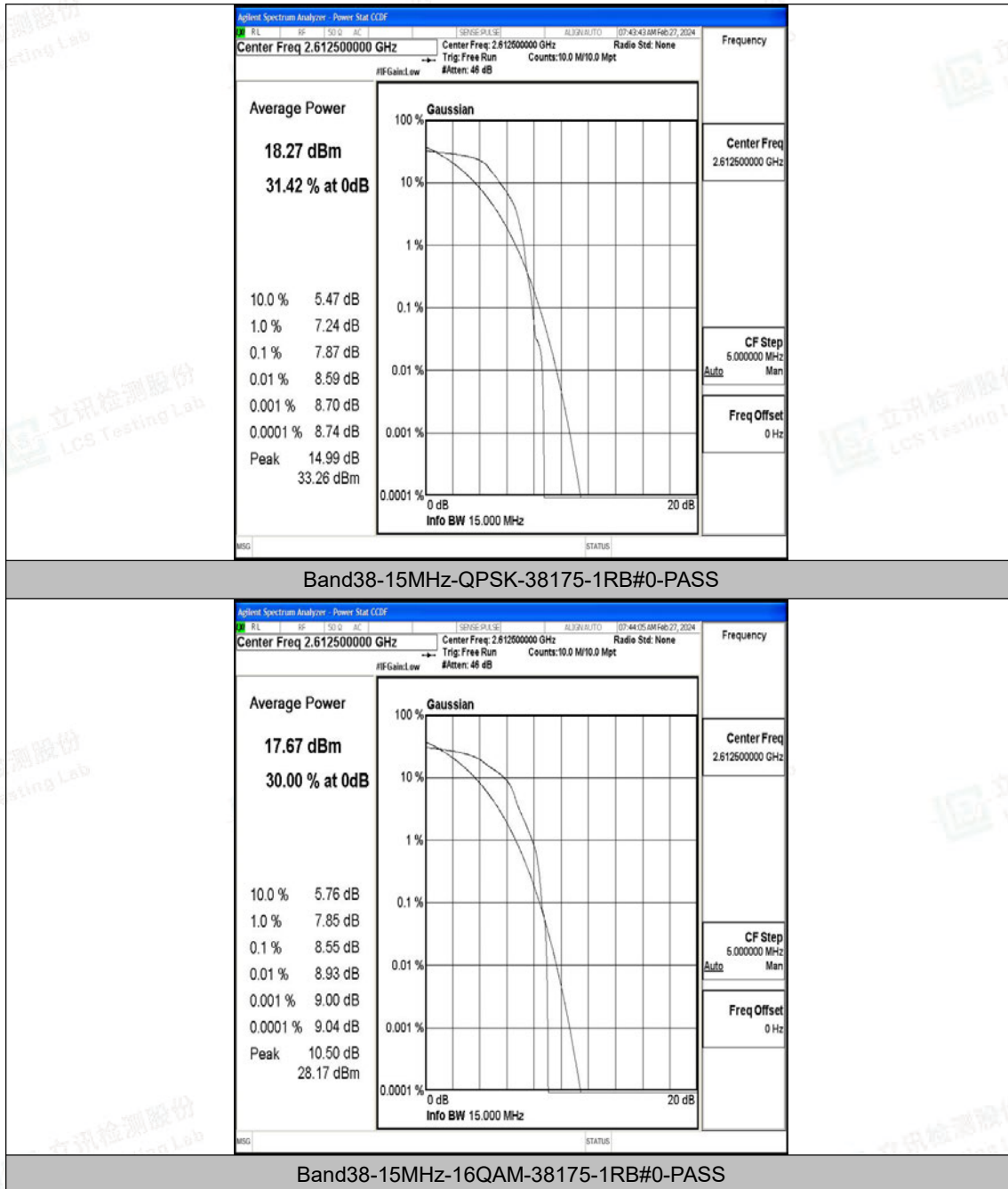


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

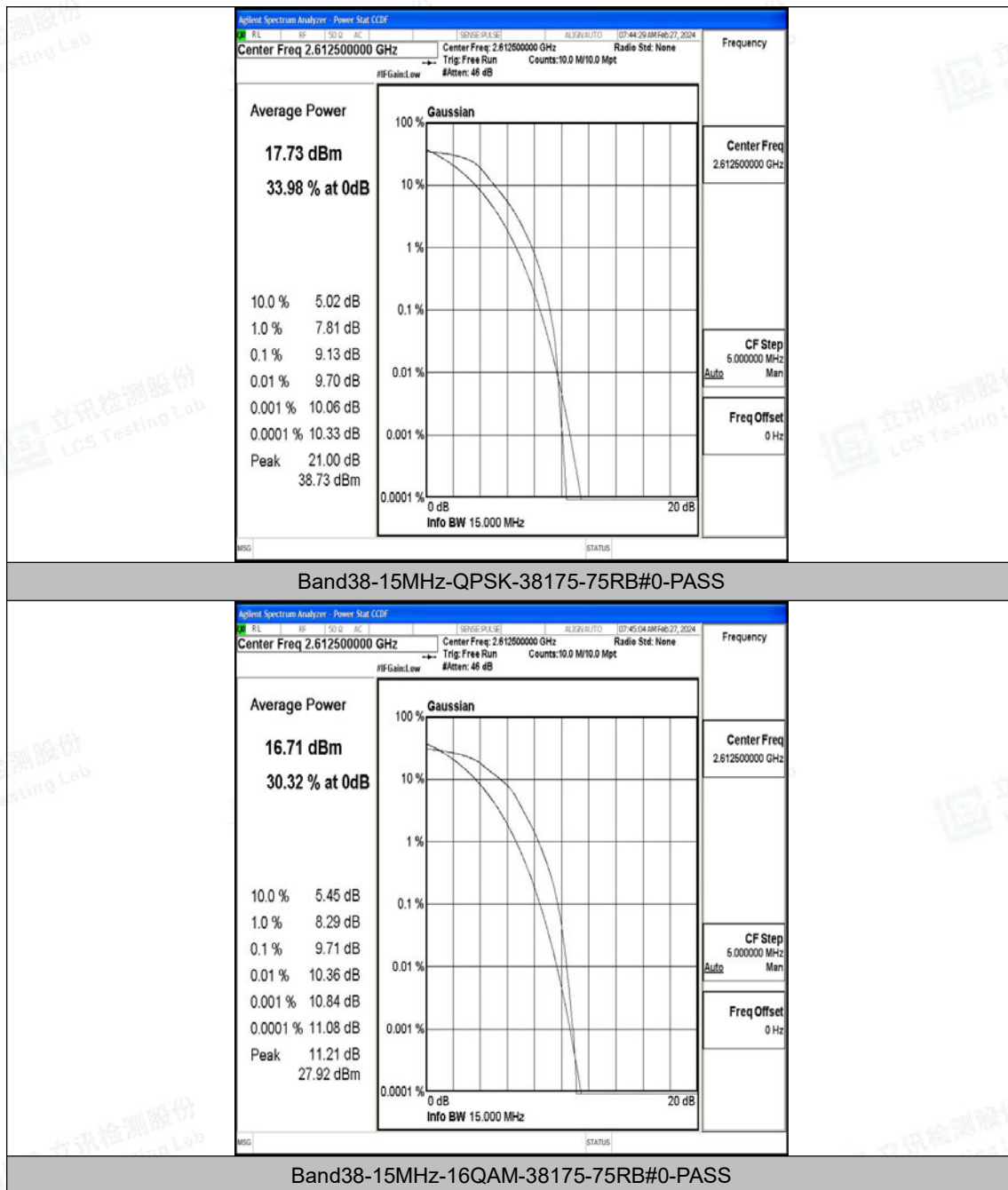


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

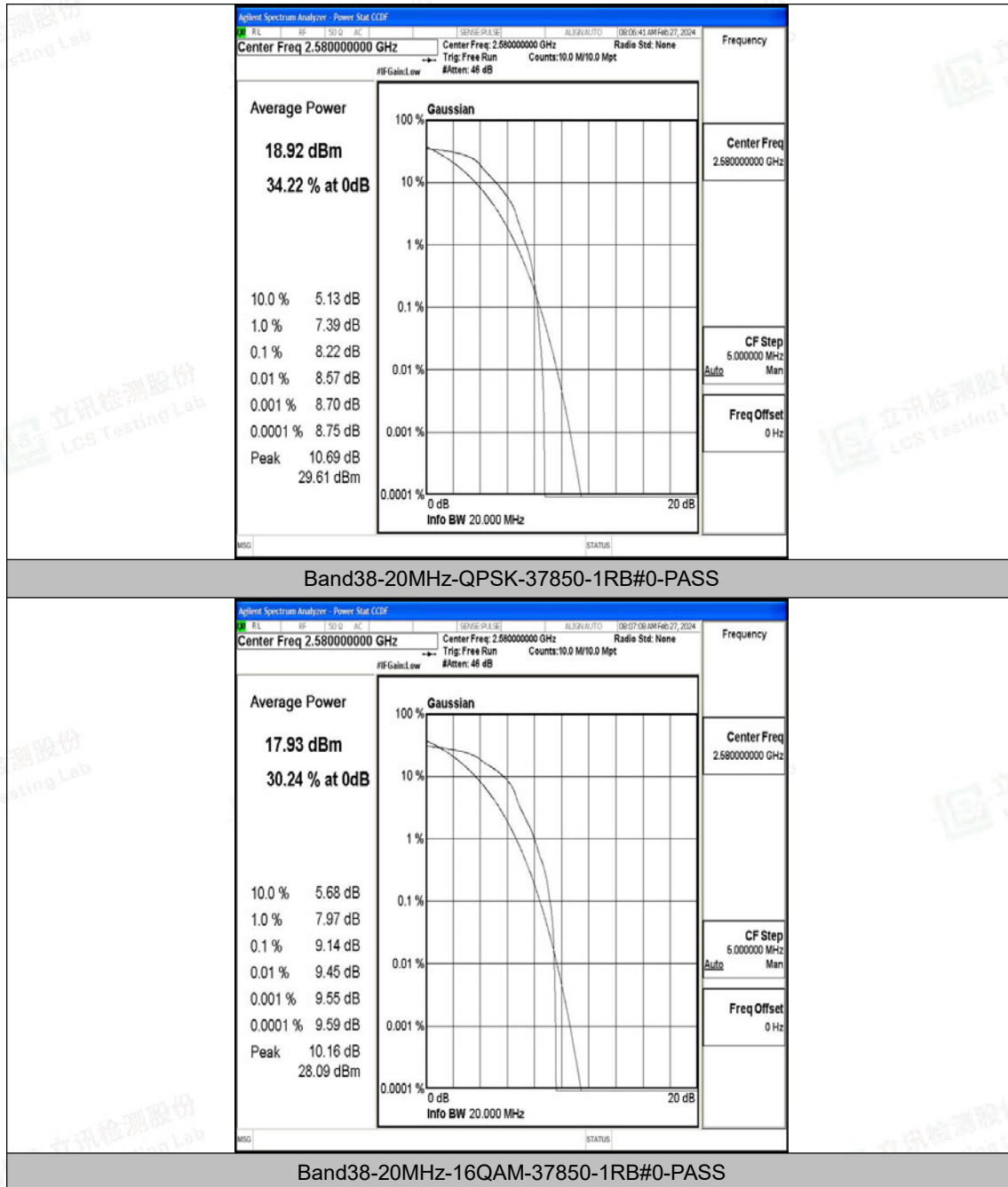


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

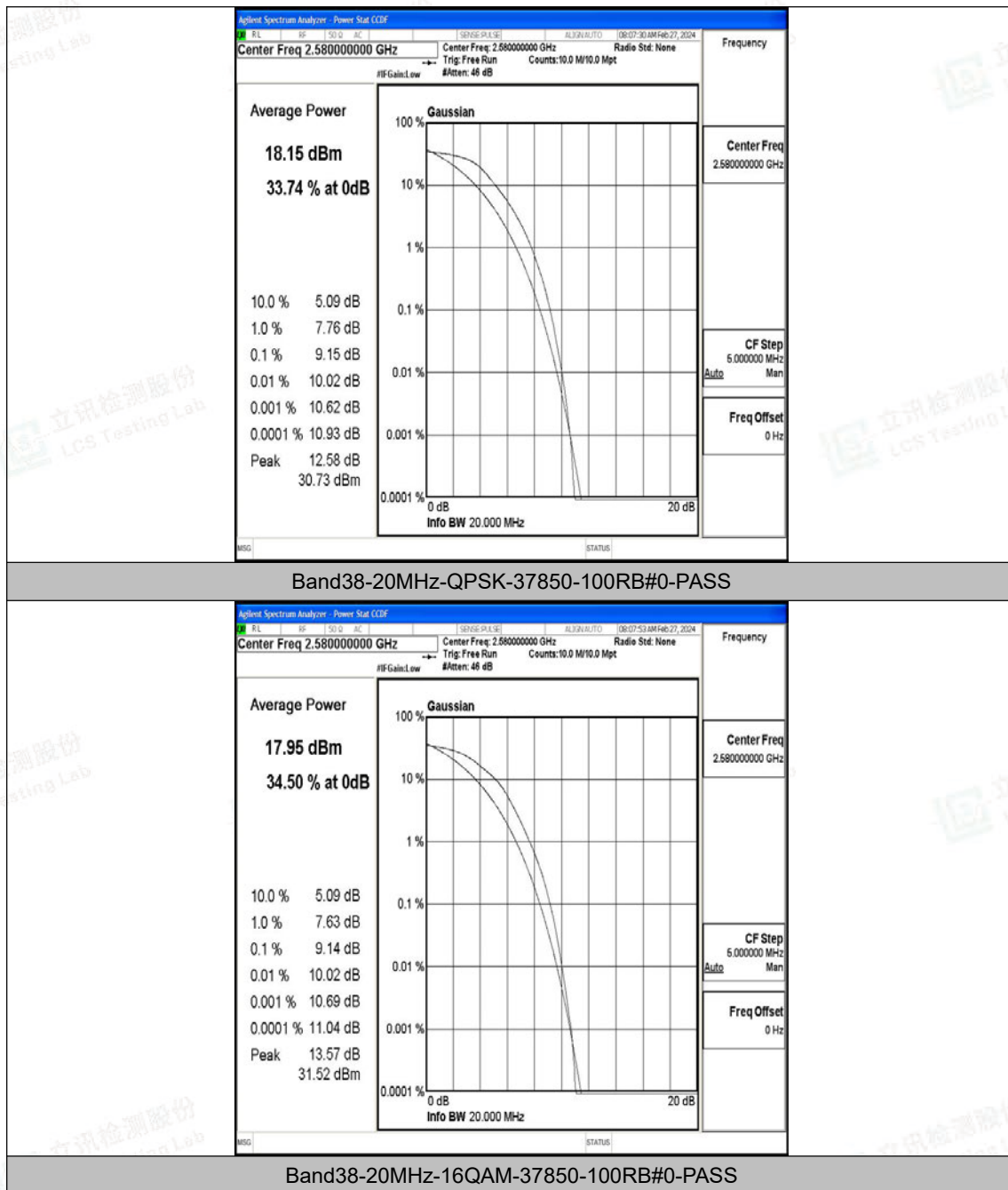


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

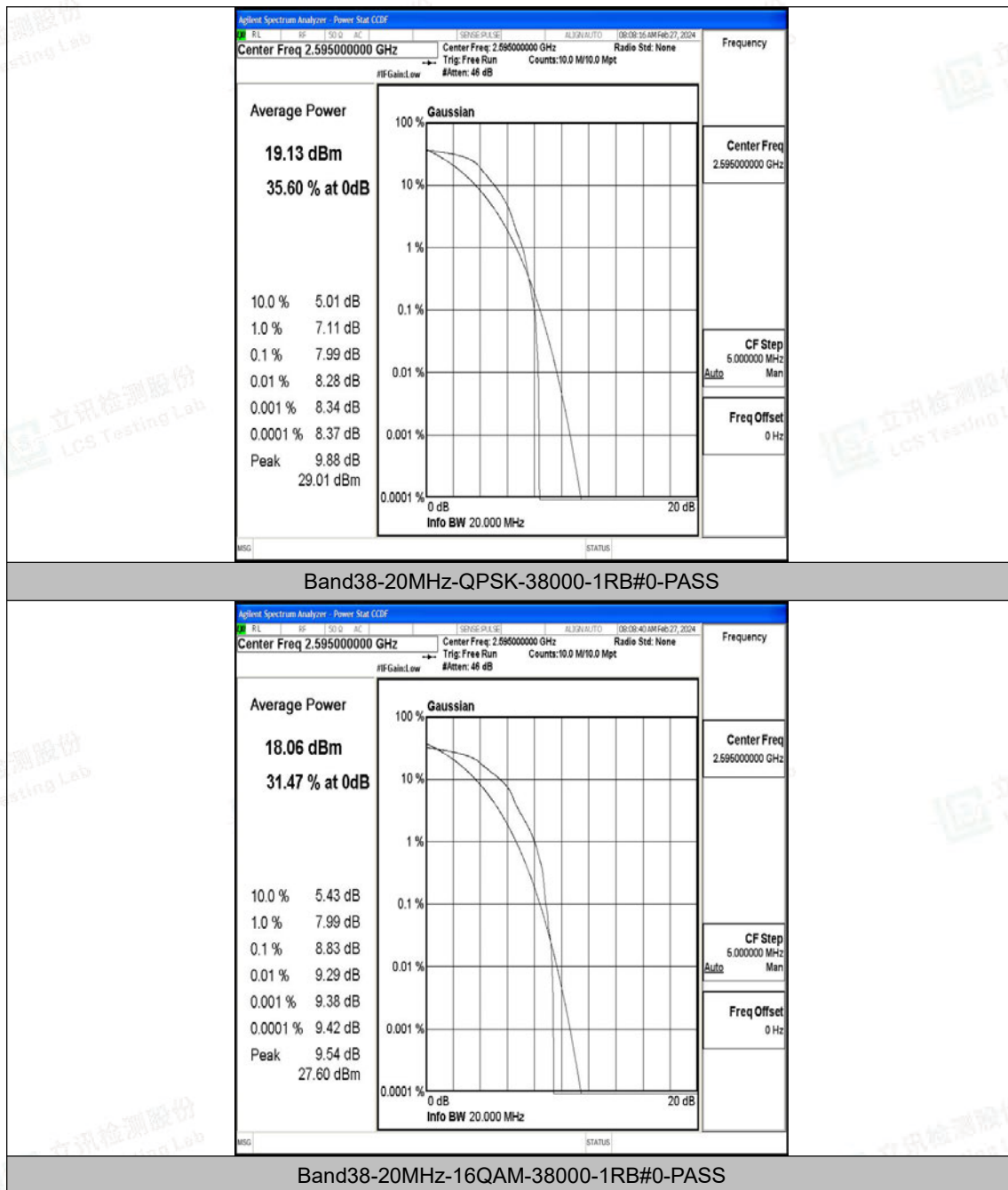


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

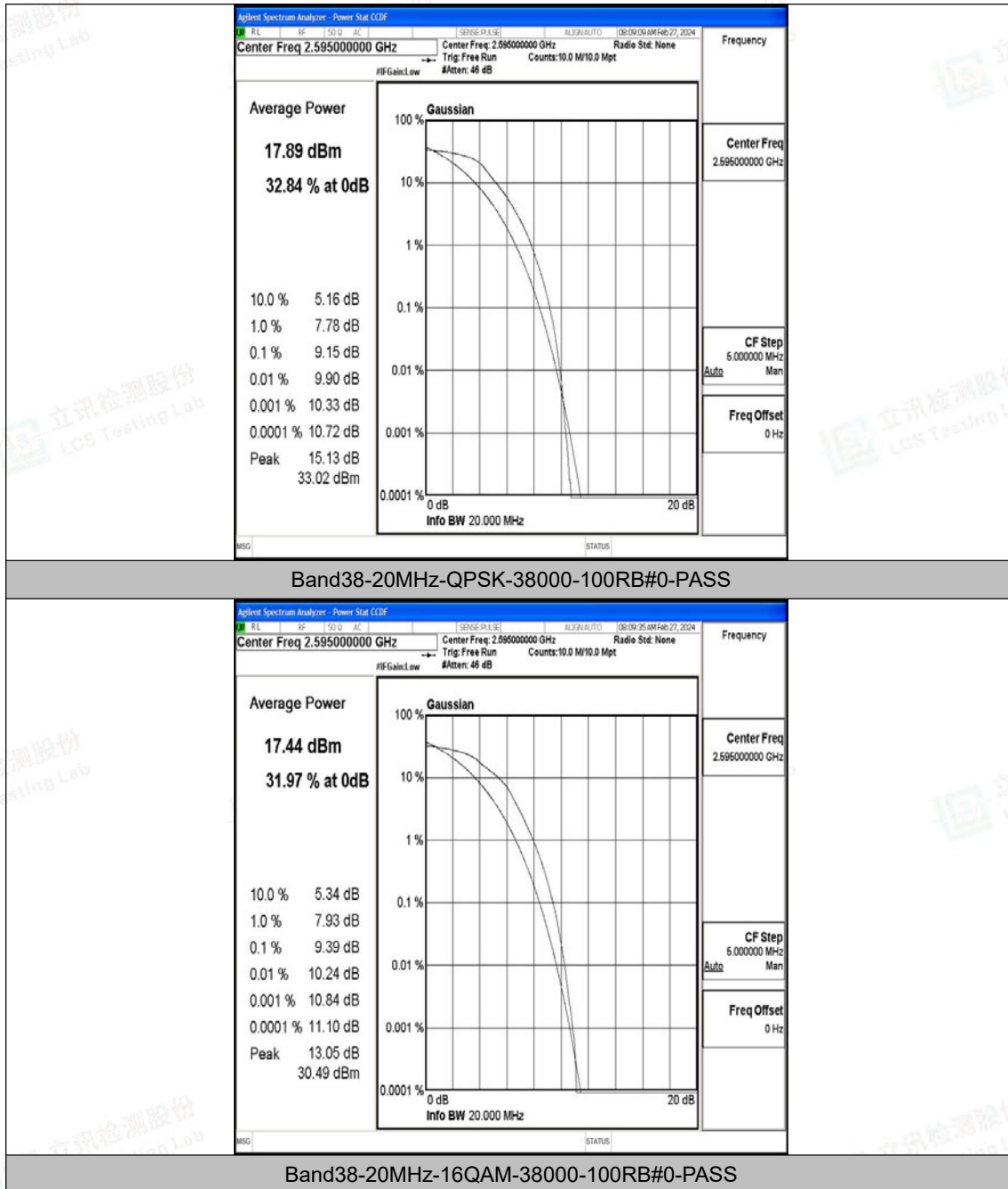


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

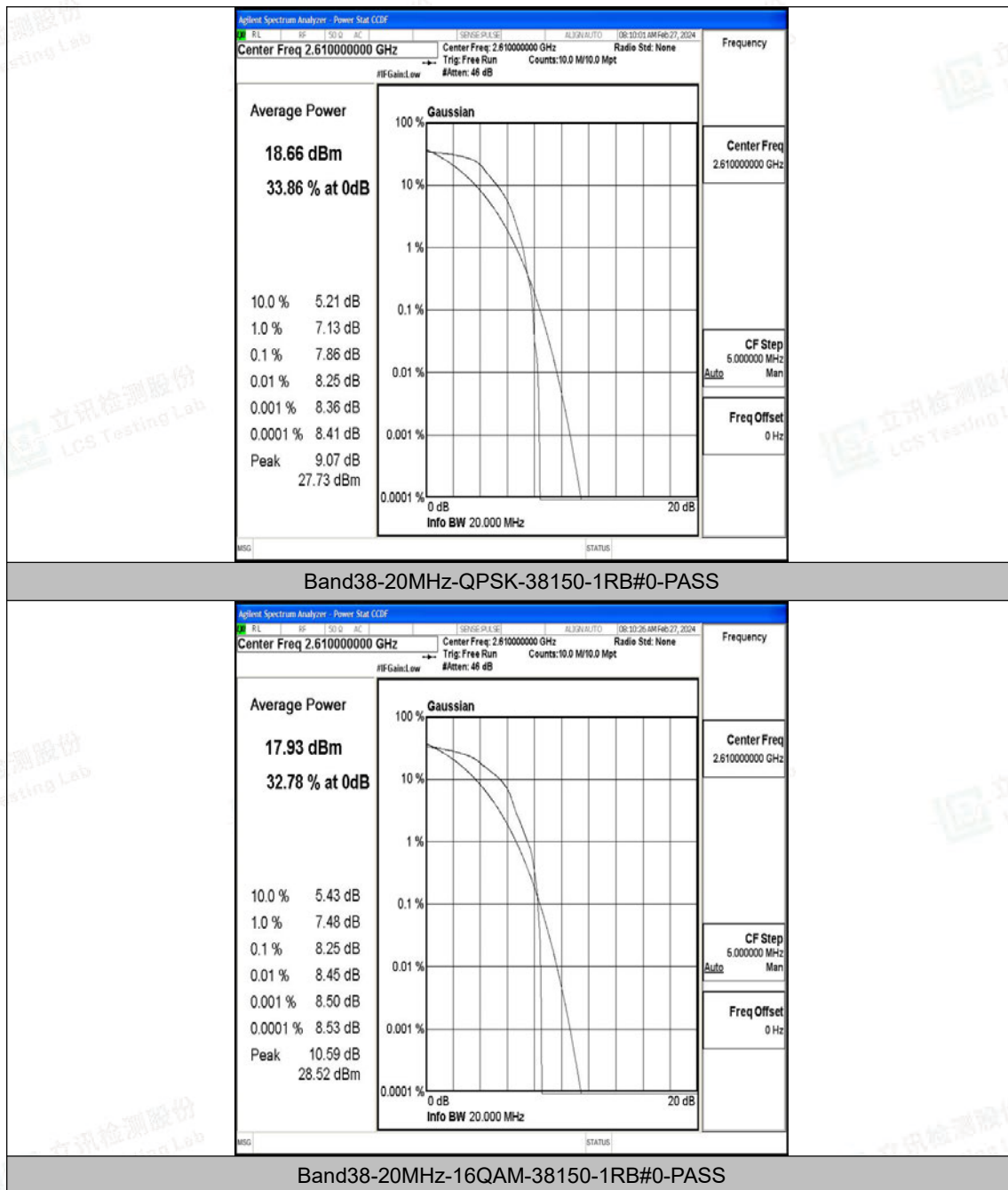


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

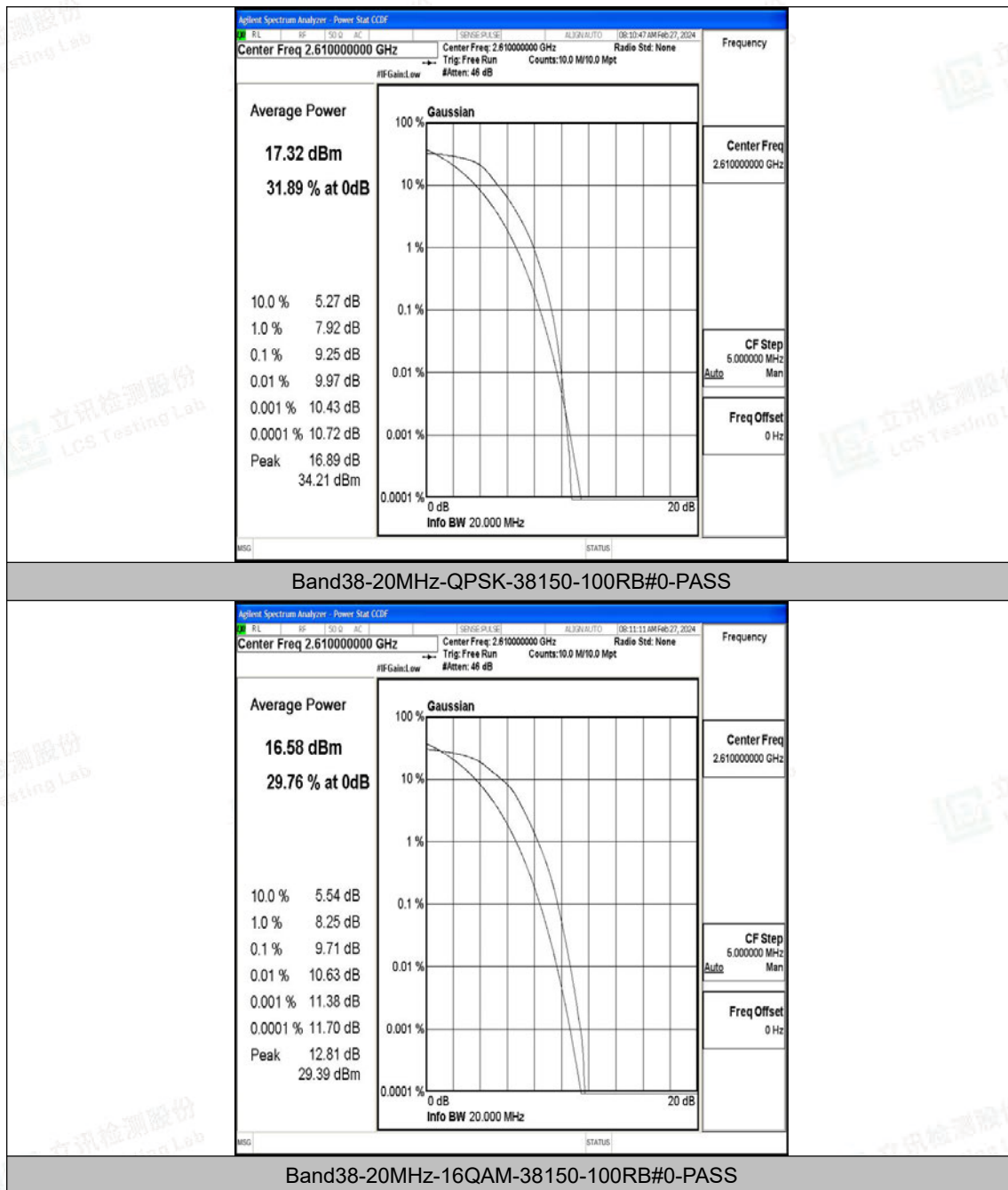


Shenzhen LCS Compliance Testing Laboratory Ltd.

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



O.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	4.4875	4.912	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.4853	4.916	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.4913	4.884	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4918	5.010	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4867	4.952	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4871	4.900	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.0070	9.709	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9951	9.660	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9676	9.879	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9981	9.636	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9782	9.684	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9901	9.896	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.501	14.70	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.499	14.56	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.512	14.63	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.499	14.40	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.420	14.66	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.506	14.39	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.989	19.08	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.689	19.13	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.957	19.21	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.901	19.22	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.969	19.34	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.934	19.19	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

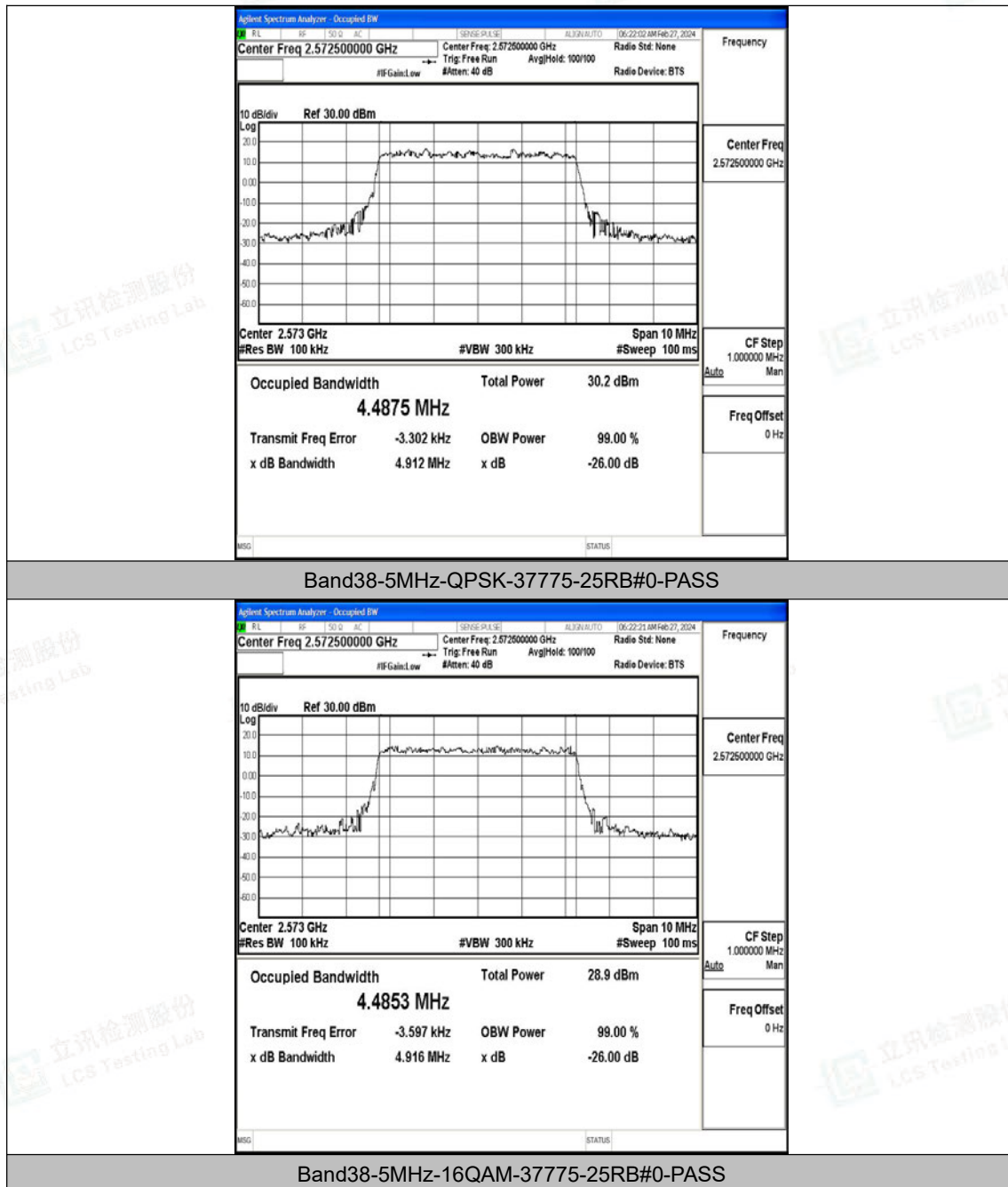
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

Scan code to check authenticity



Test Graphs

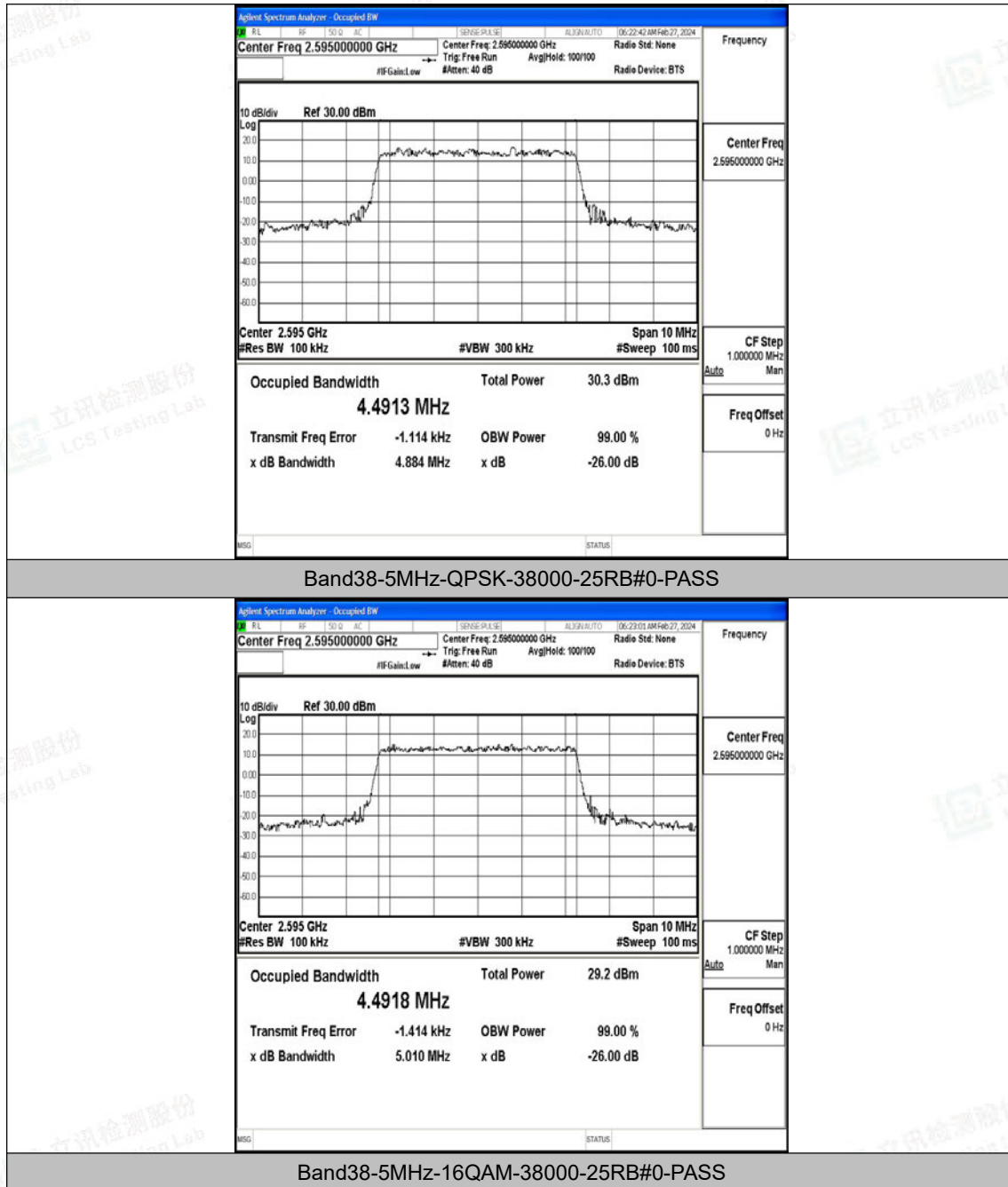


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

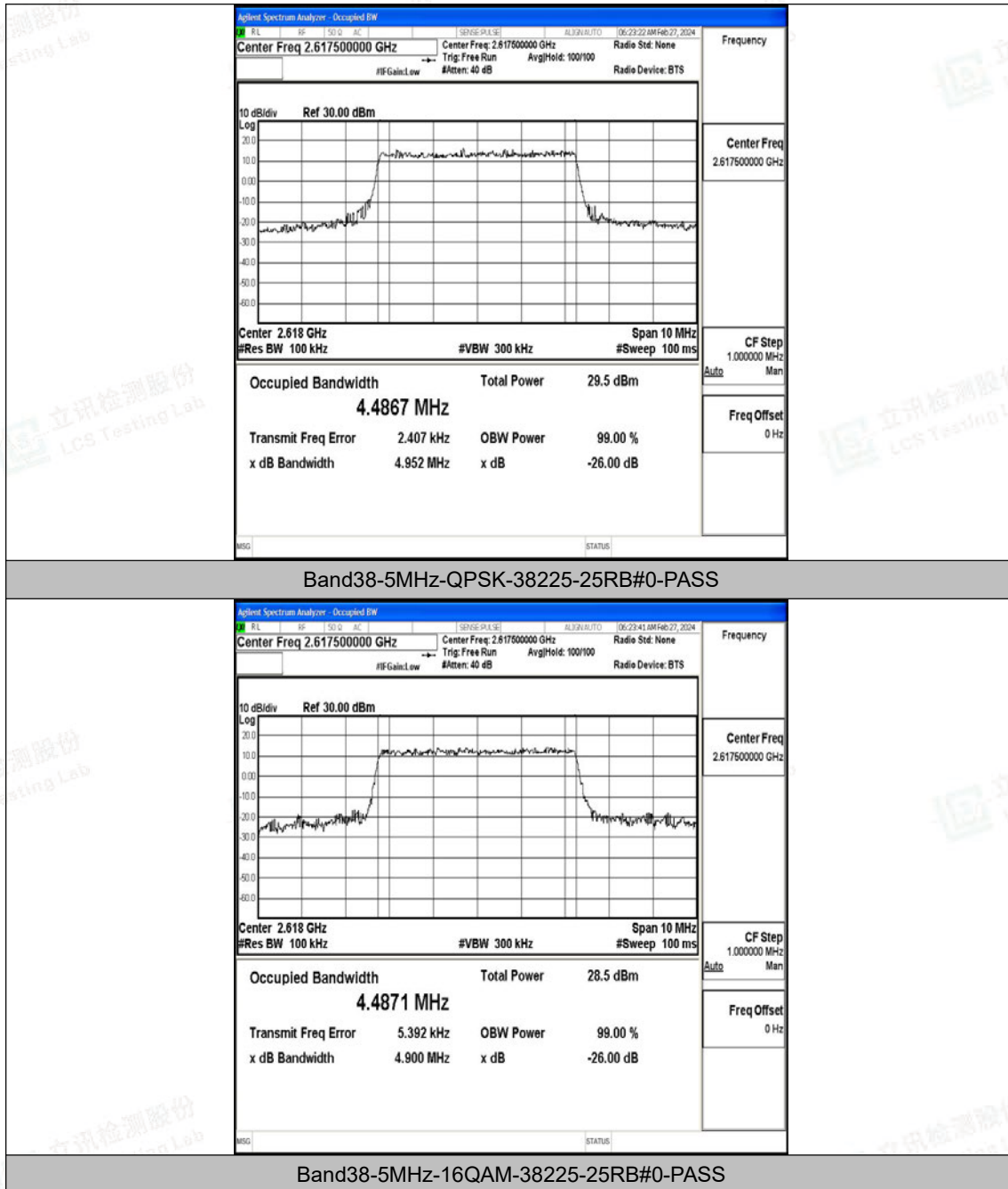


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

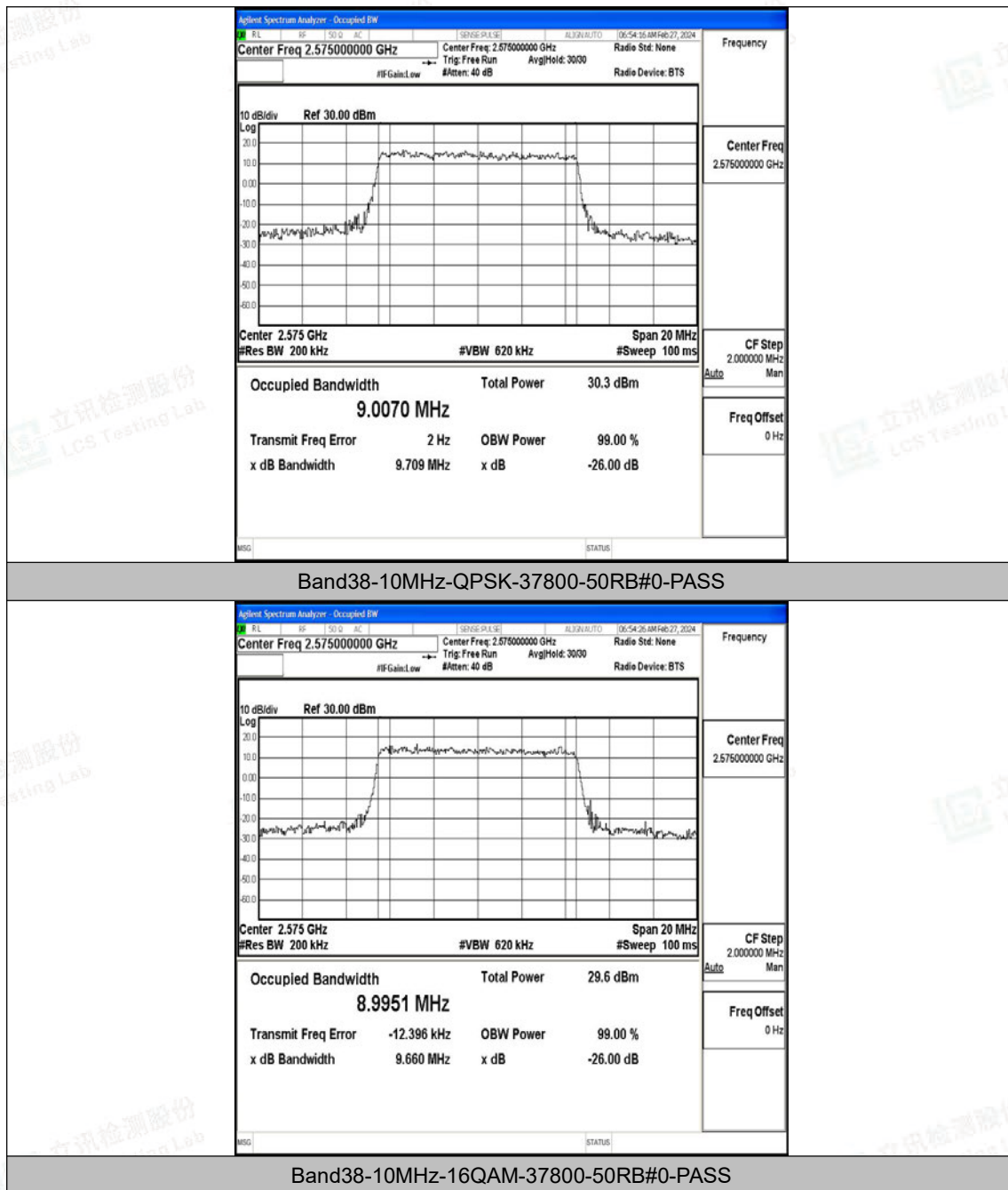


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

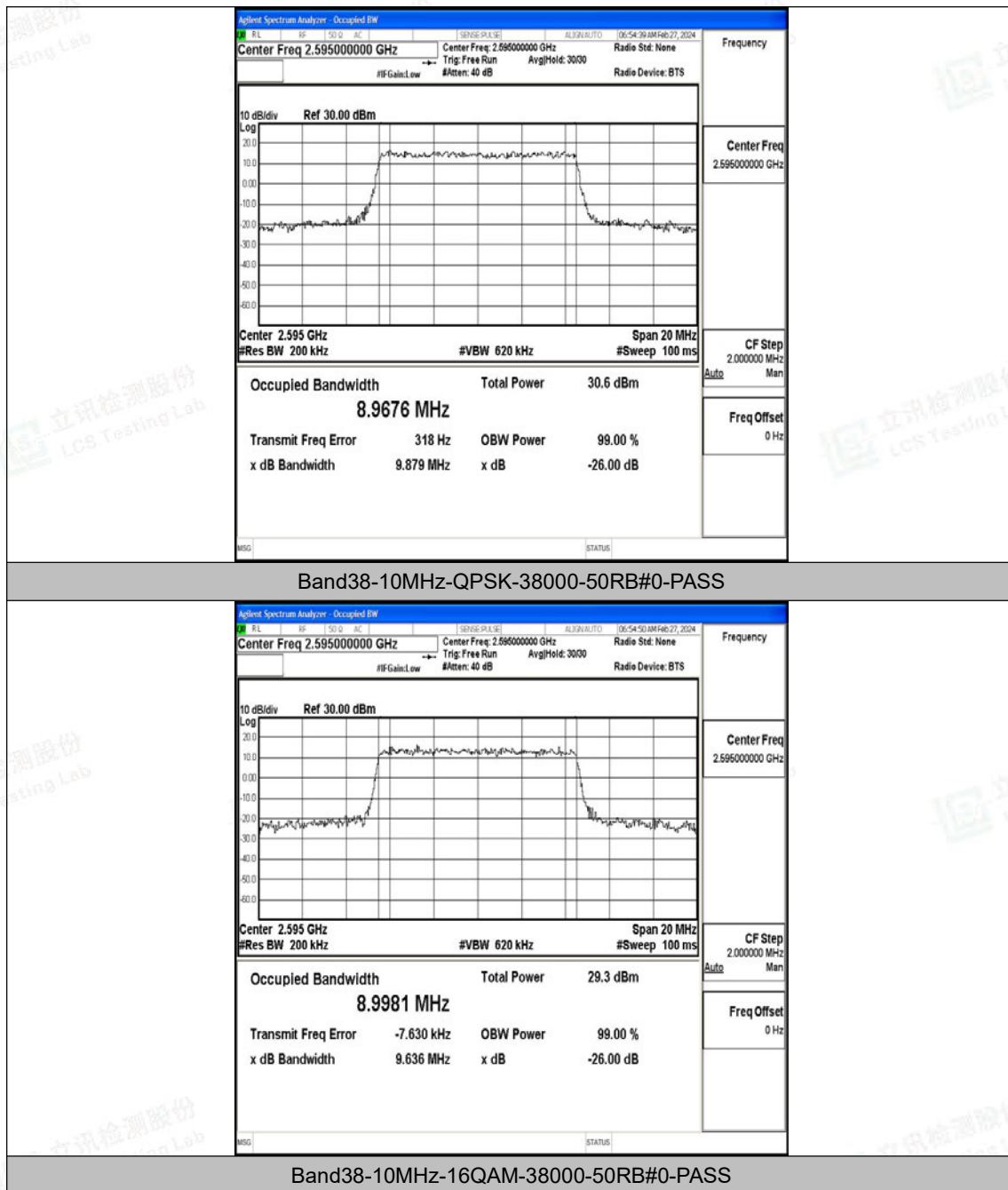


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

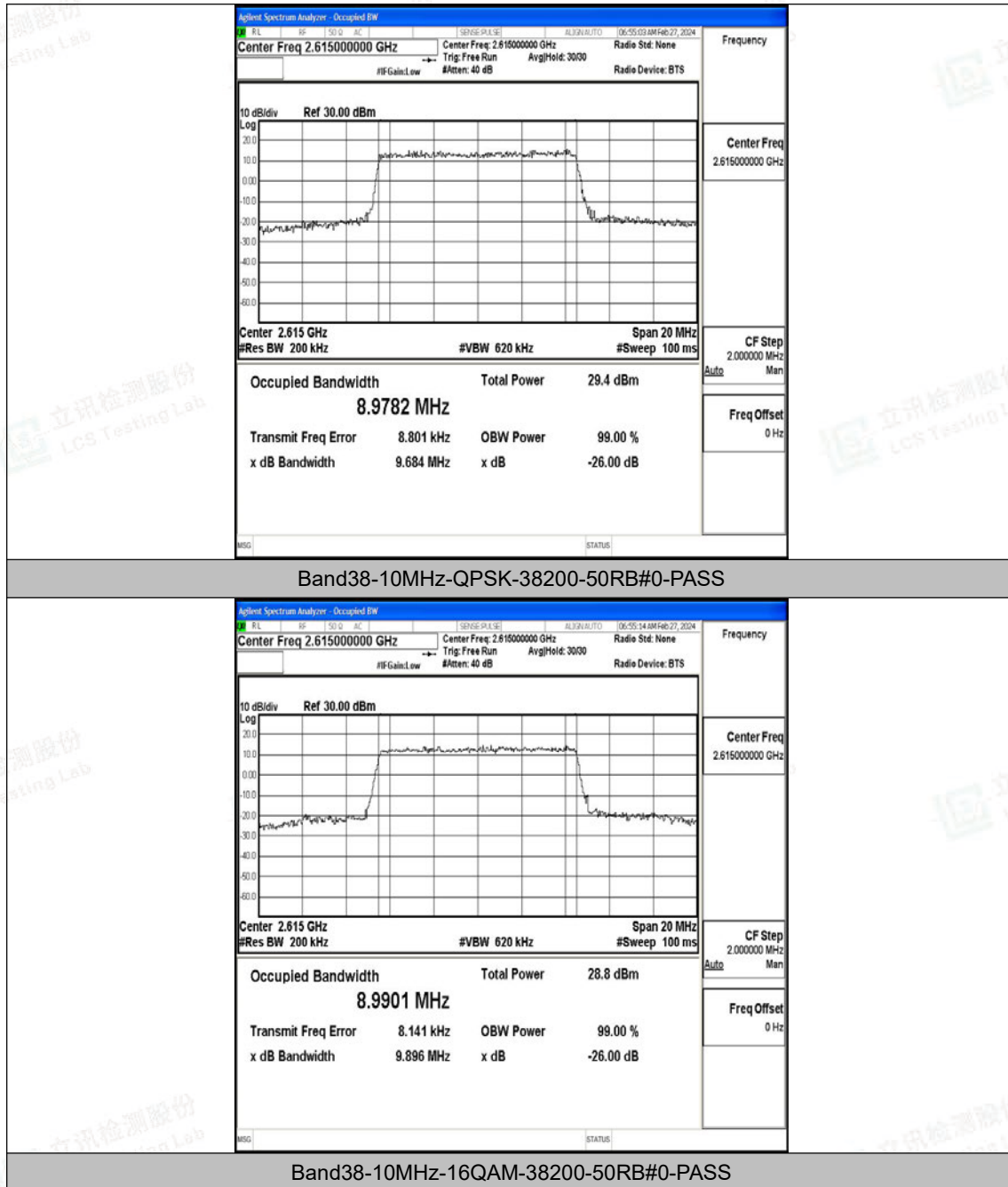


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

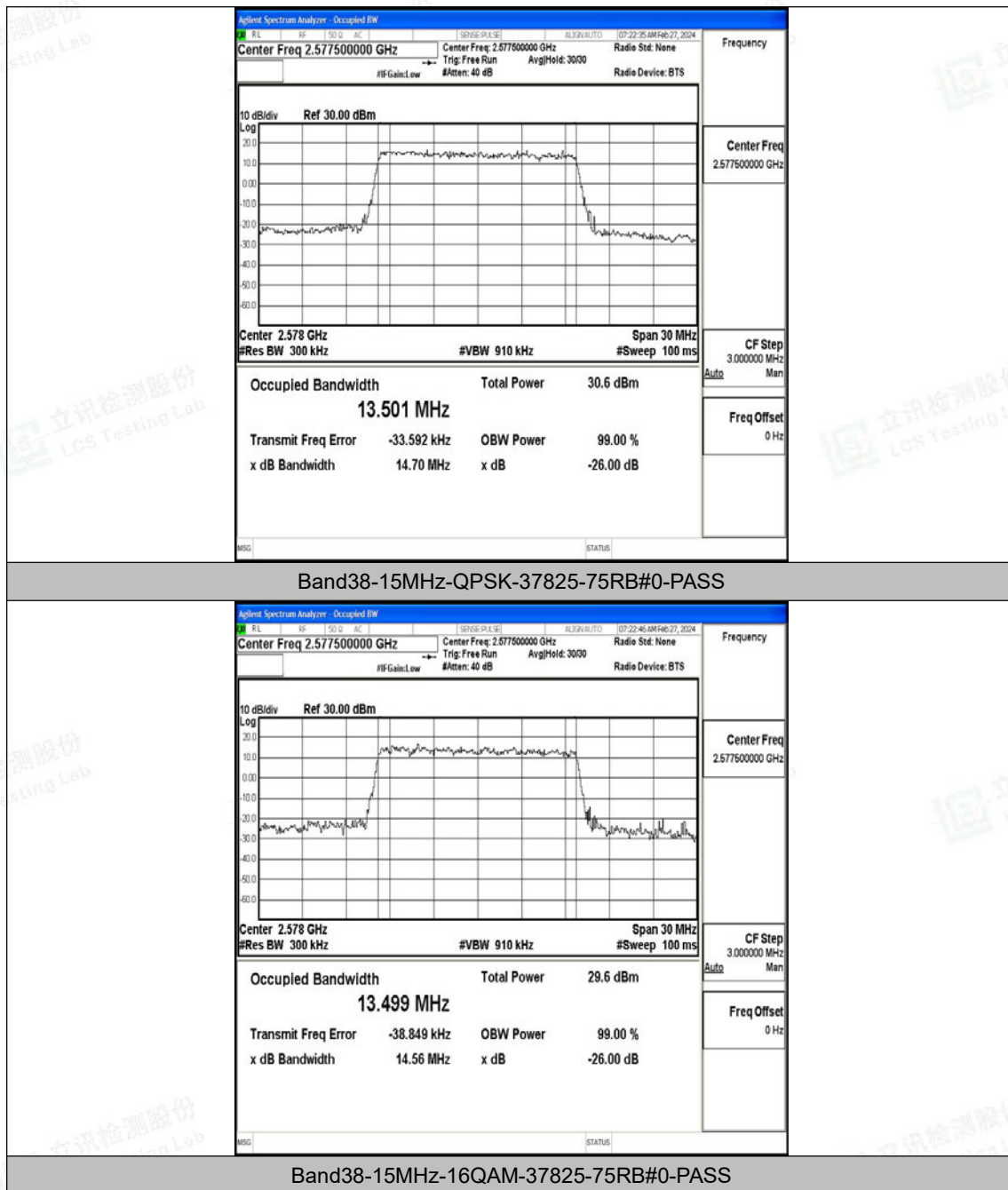


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

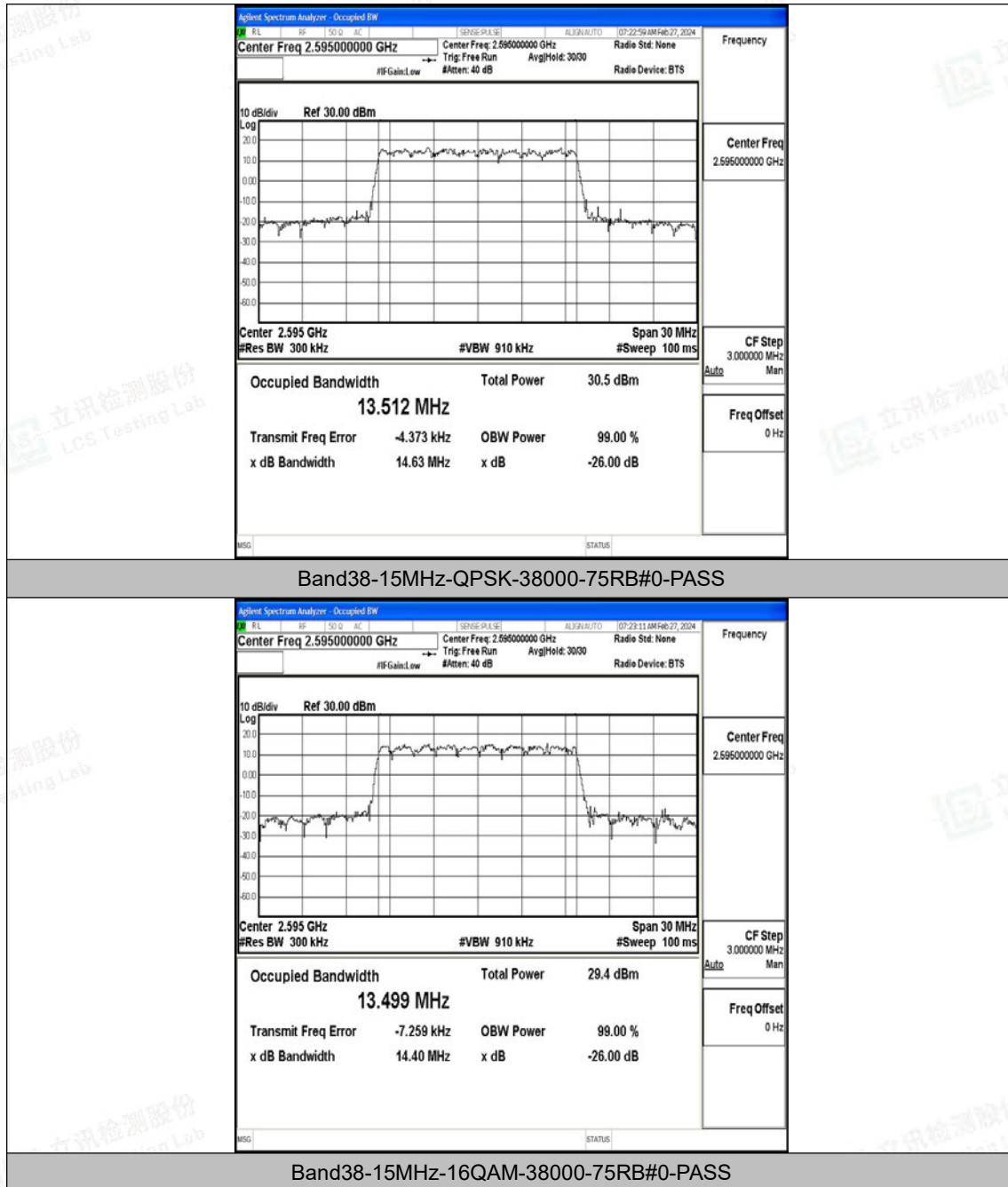


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

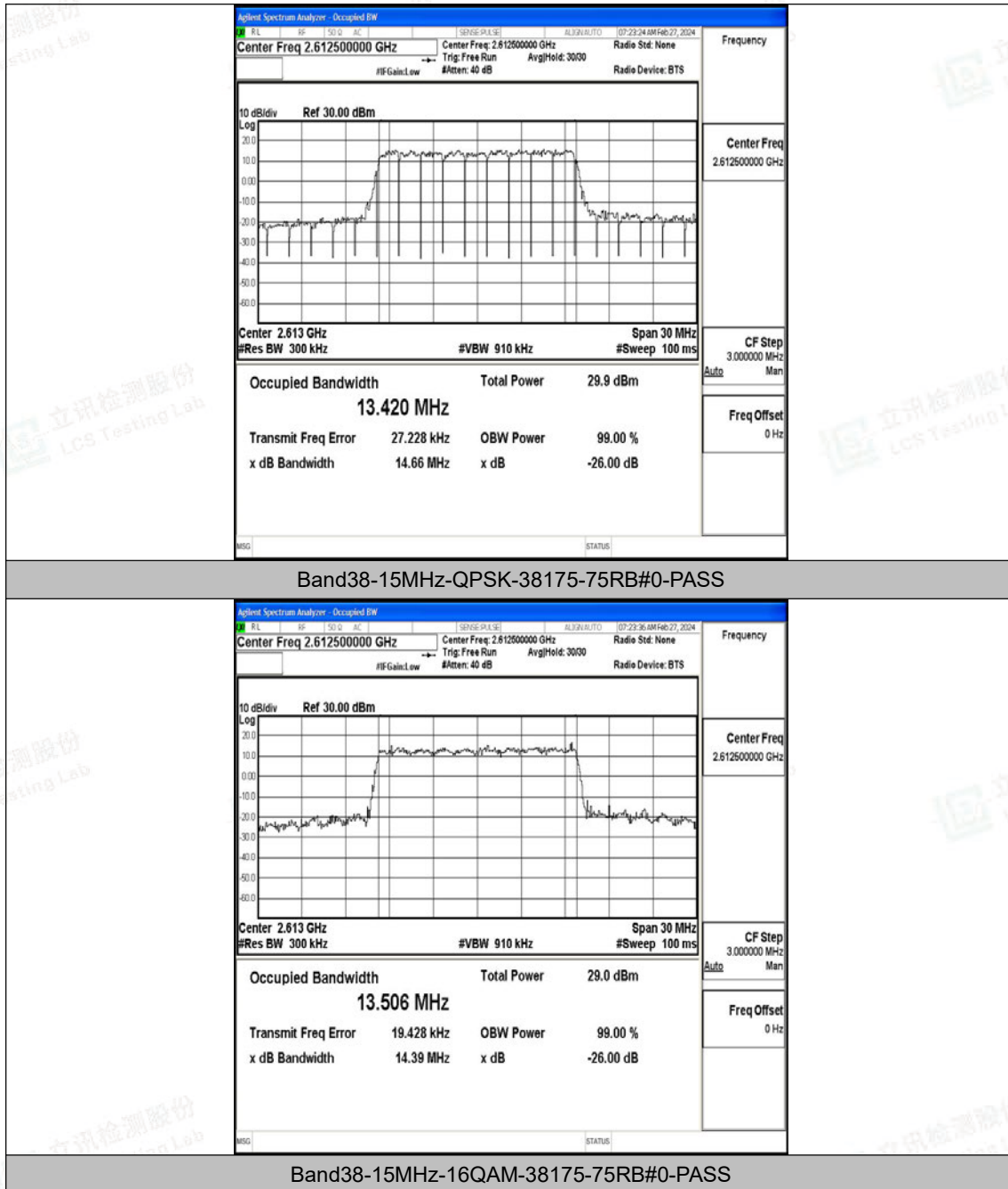


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

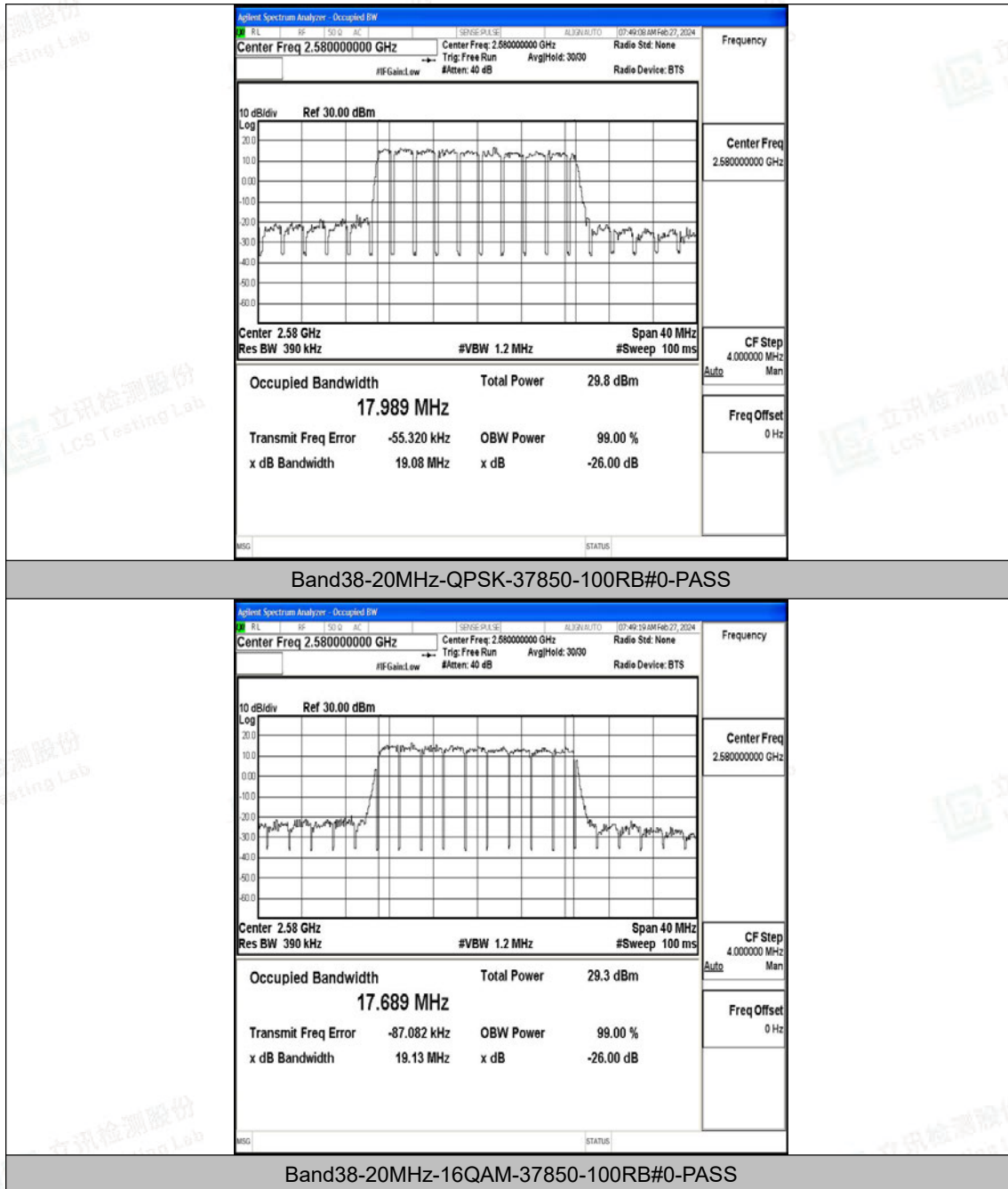


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

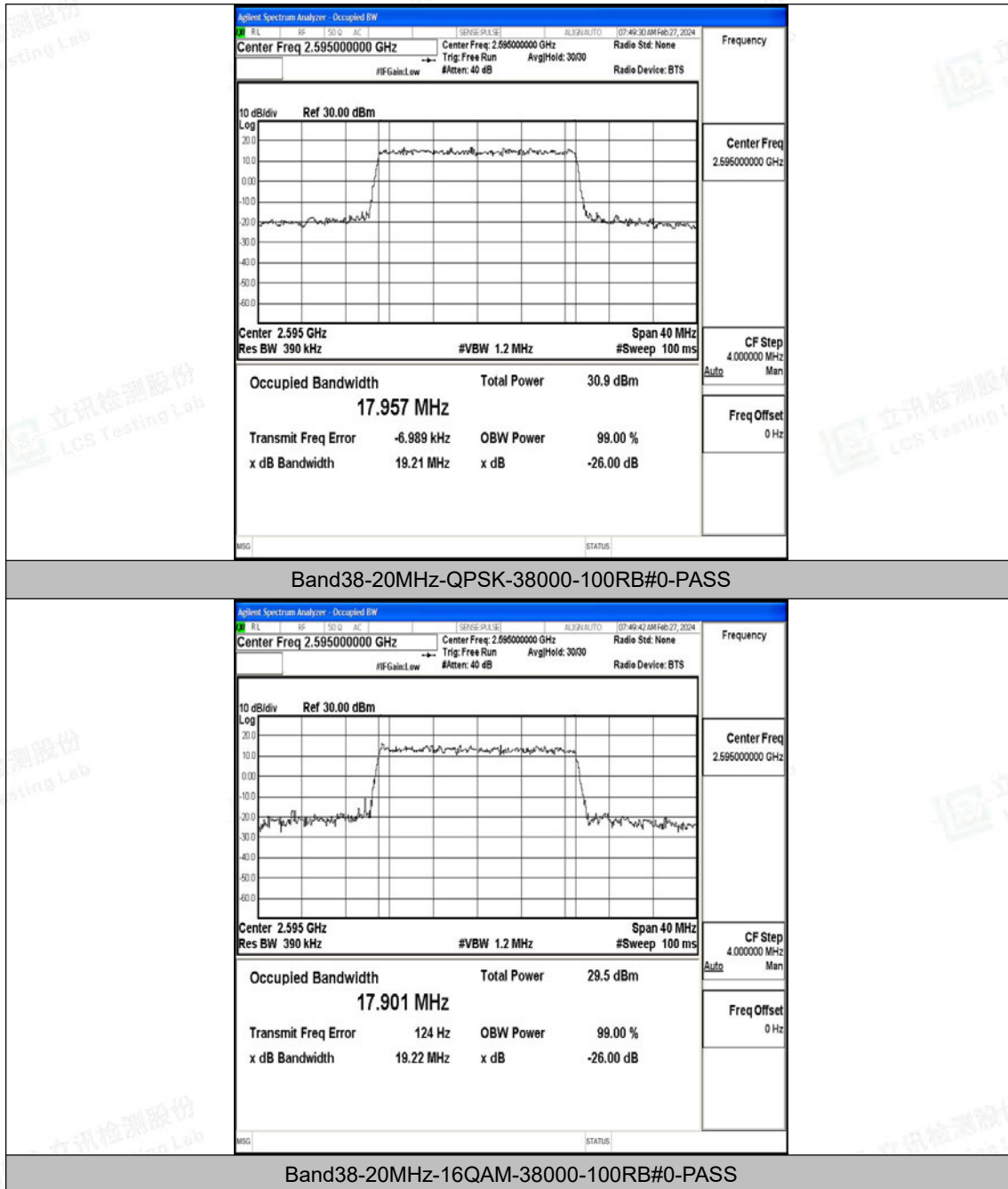


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

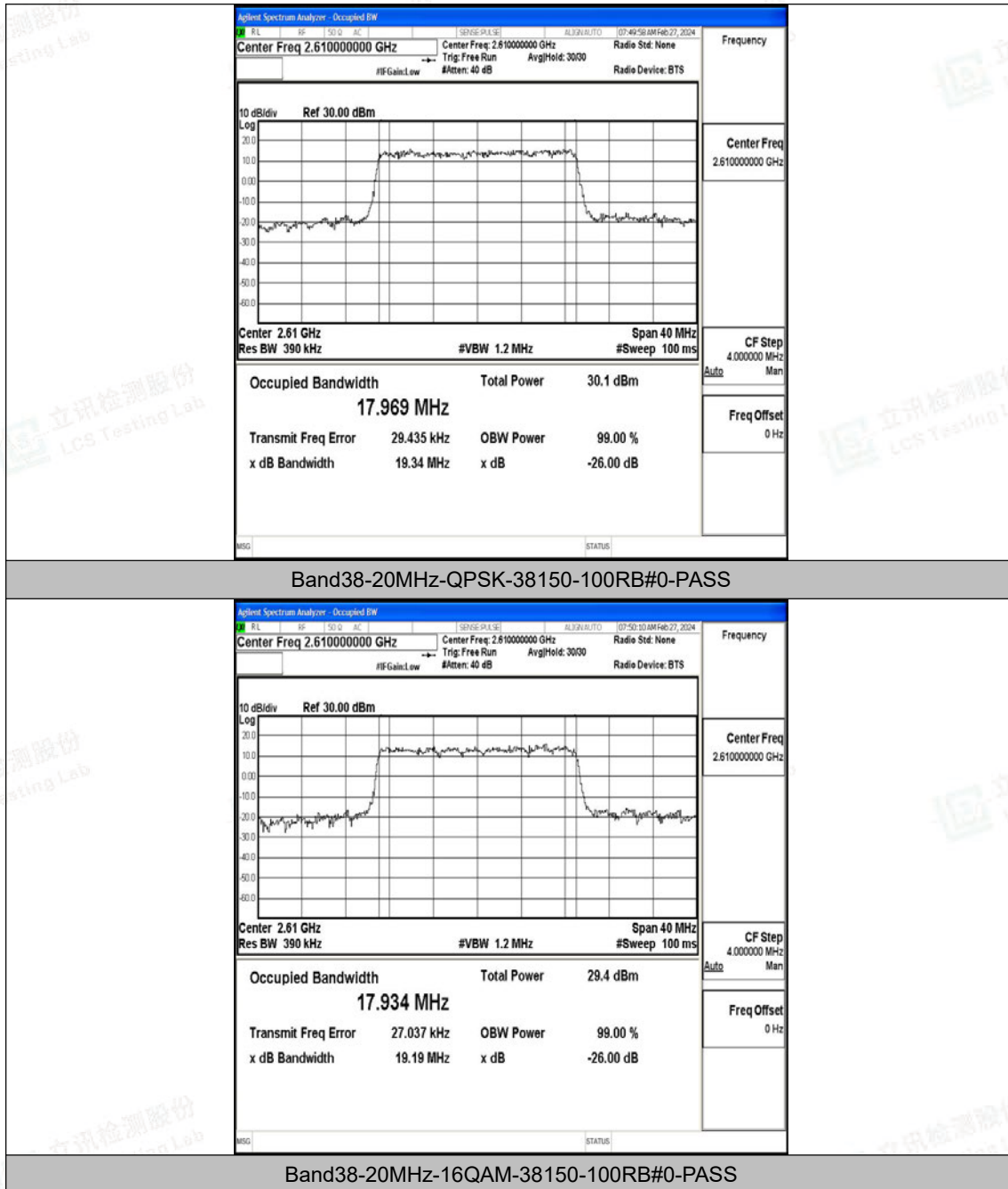


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

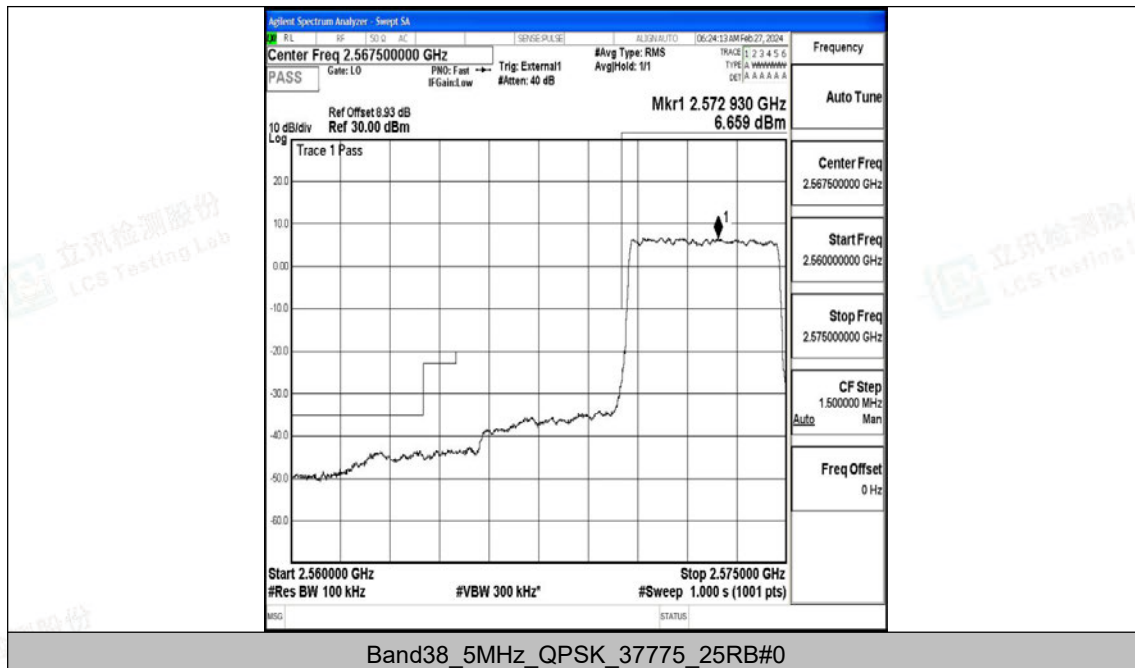


O.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	2563.92	-43.39	PASS
Band38	5MHz	16QAM	37775	25RB#0	2563.87	-44.88	PASS
Band38	5MHz	16QAM	38225	25RB#0	2626.30	-42.54	PASS
Band38	10MHz	QPSK	37800	50RB#0	2557.70	-42.08	PASS
Band38	10MHz	16QAM	37800	50RB#0	2559.83	-42.45	PASS
Band38	10MHz	QPSK	38200	50RB#0	2634.38	-38.98	PASS
Band38	10MHz	16QAM	38200	50RB#0	2630.10	-38.79	PASS
Band38	15MHz	QPSK	37825	75RB#0	2554.66	-39.12	PASS
Band38	15MHz	16QAM	37825	75RB#0	2554.69	-39.77	PASS
Band38	15MHz	QPSK	38175	75RB#0	2635.38	-35.57	PASS
Band38	15MHz	16QAM	38175	75RB#0	2635.38	-35.60	PASS
Band38	20MHz	QPSK	37850	100RB#0	2549.01	-40.44	PASS
Band38	20MHz	16QAM	37850	100RB#0	2549.32	-40.49	PASS
Band38	20MHz	QPSK	38150	100RB#0	2644.69	-37.62	PASS
Band38	20MHz	16QAM	38150	100RB#0	2641.09	-37.21	PASS
Band38	5MHz	QPSK	38225	25RB#0	2627.27	-40.44	PASS

Test Graphs

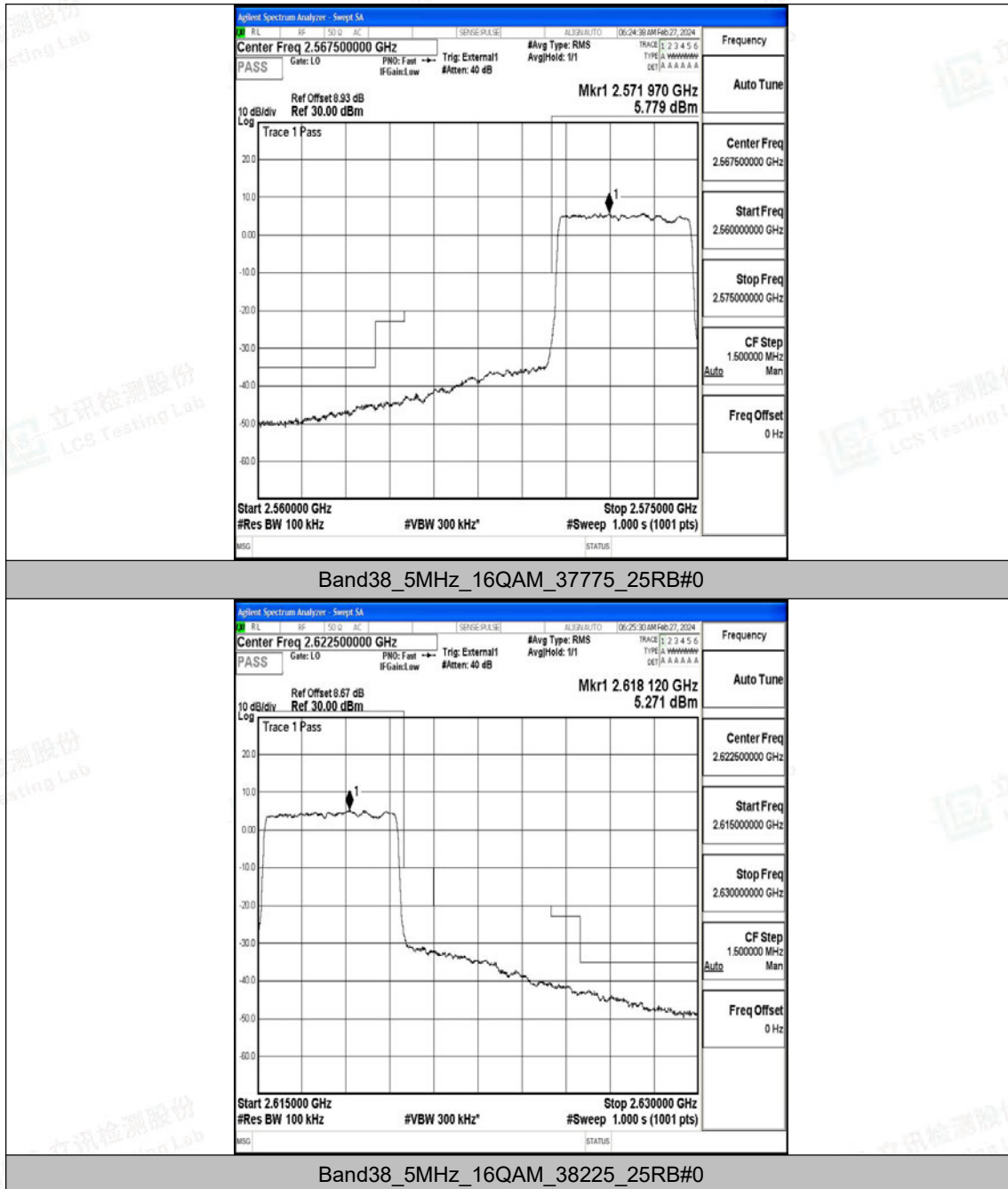


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

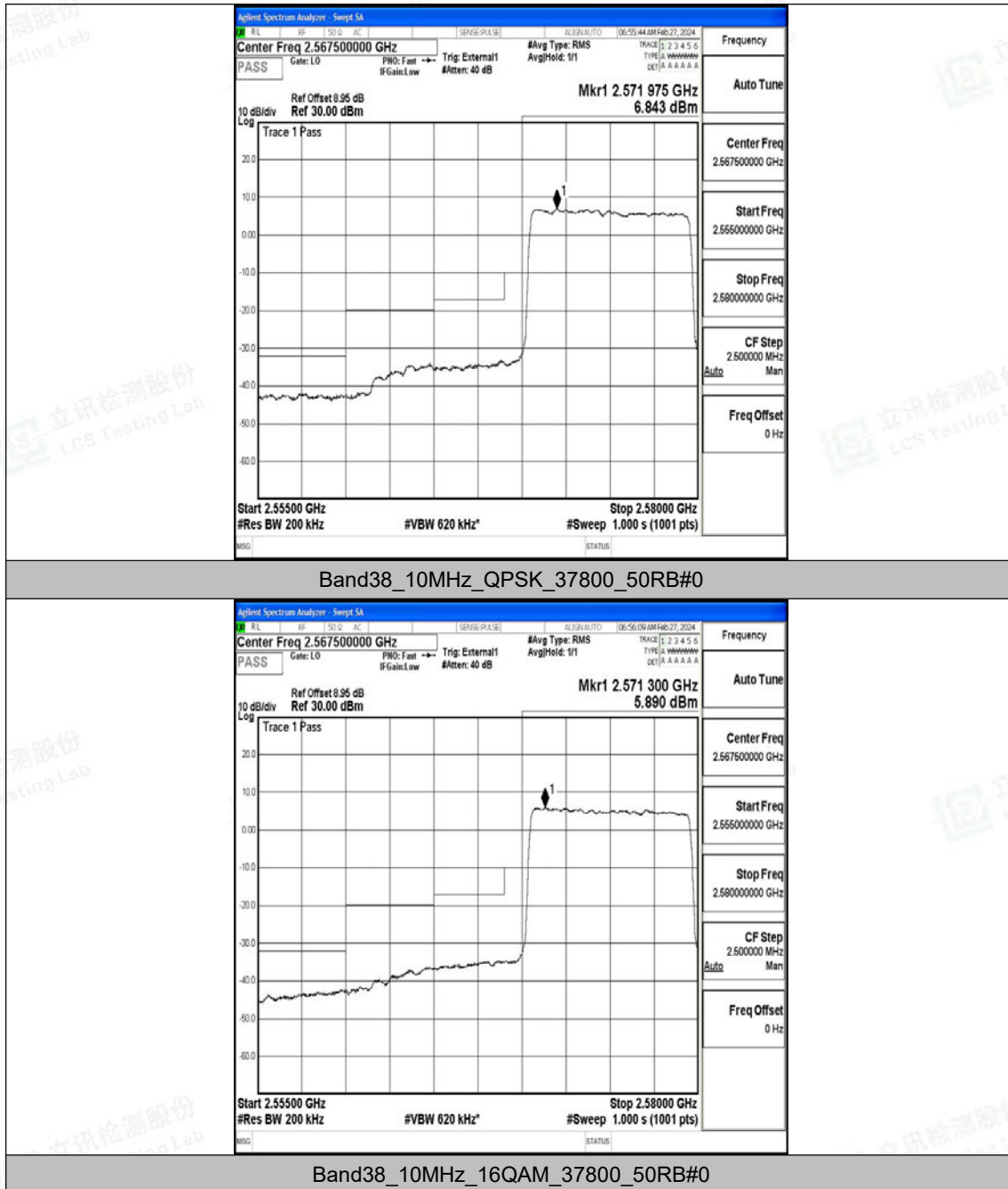


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

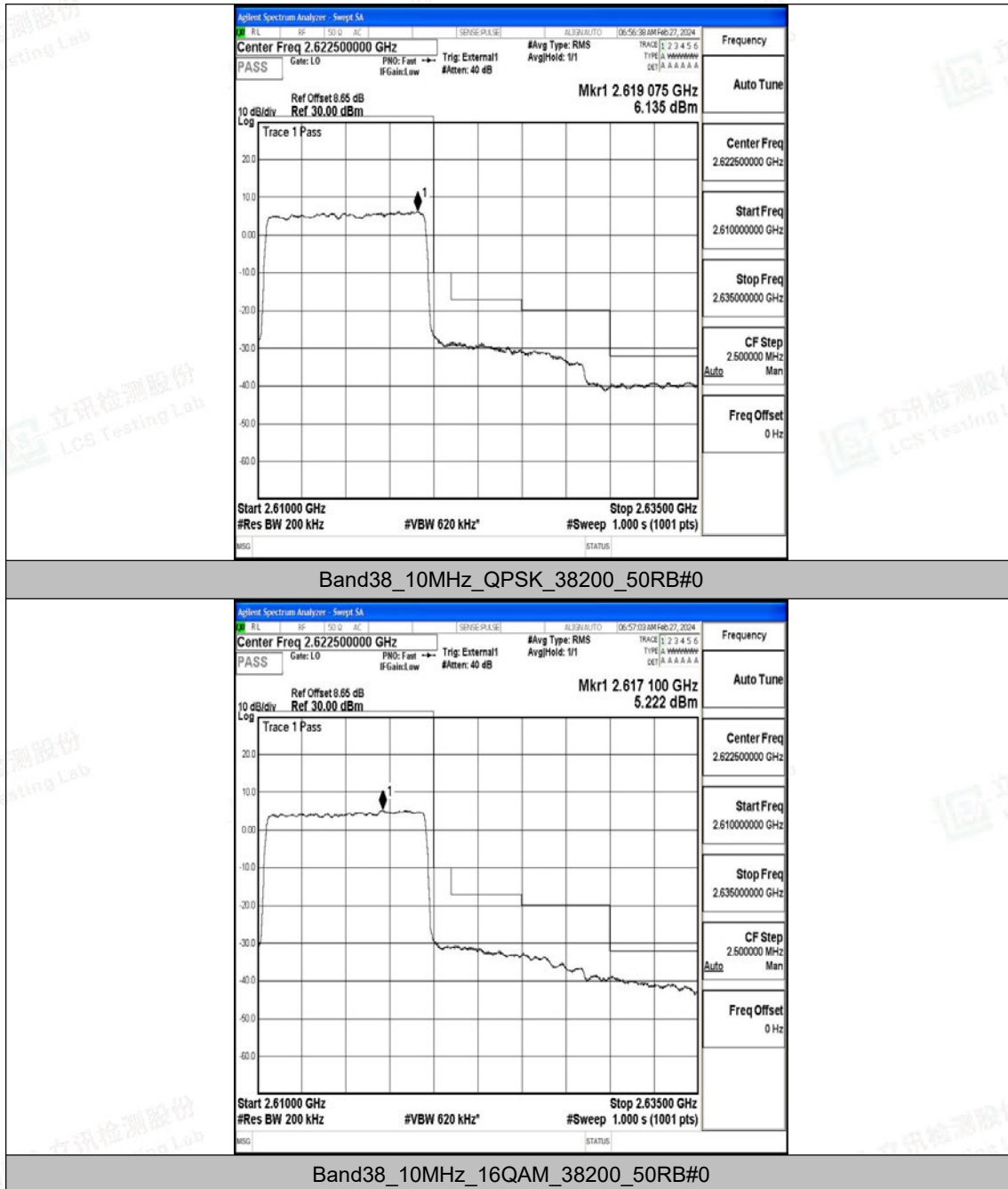


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

