



Appendix N Test Data for E-UTRA Band 38

Product Name: Translator

Test Model: V9000

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Luo
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



N.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	21.92	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.41	PASS
Band38	5MHz	QPSK	37775	1RB#12	21.91	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.70	PASS
Band38	5MHz	QPSK	37775	1RB#24	21.87	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.47	PASS
Band38	5MHz	QPSK	37775	12RB#0	21.02	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.18	PASS
Band38	5MHz	QPSK	37775	12RB#6	20.91	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.18	PASS
Band38	5MHz	QPSK	37775	12RB#13	20.89	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.19	PASS
Band38	5MHz	QPSK	38000	1RB#0	21.48	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.23	PASS
Band38	5MHz	QPSK	38000	1RB#12	21.39	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.02	PASS
Band38	5MHz	QPSK	38000	1RB#24	21.36	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.03	PASS
Band38	5MHz	QPSK	37775	25RB#0	20.57	PASS
Band38	5MHz	16QAM	37775	25RB#0	19.87	PASS
Band38	5MHz	QPSK	38000	12RB#0	20.62	PASS
Band38	5MHz	16QAM	38000	12RB#0	19.81	PASS
Band38	5MHz	QPSK	38000	12RB#6	20.63	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.18	PASS
Band38	5MHz	QPSK	38000	12RB#13	20.88	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.11	PASS
Band38	5MHz	QPSK	38225	1RB#0	21.32	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.02	PASS
Band38	5MHz	QPSK	38000	25RB#0	20.14	PASS
Band38	5MHz	16QAM	38000	25RB#0	19.48	PASS
Band38	5MHz	QPSK	38225	1RB#12	21.33	PASS
Band38	5MHz	16QAM	38225	1RB#12	20.87	PASS
Band38	5MHz	QPSK	38225	1RB#24	21.40	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.13	PASS
Band38	5MHz	QPSK	38225	12RB#0	20.47	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	19.64	PASS
Band38	5MHz	QPSK	38225	12RB#6	20.41	PASS
Band38	5MHz	16QAM	38225	12RB#6	19.53	PASS
Band38	5MHz	QPSK	38225	12RB#13	20.57	PASS
Band38	5MHz	16QAM	38225	12RB#13	19.66	PASS
Band38	10MHz	QPSK	37800	1RB#0	22.10	PASS
Band38	10MHz	16QAM	37800	1RB#0	21.61	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.07	PASS
Band38	10MHz	16QAM	37800	1RB#24	21.60	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.04	PASS
Band38	10MHz	16QAM	37800	1RB#49	21.60	PASS
Band38	10MHz	QPSK	37800	25RB#0	21.11	PASS
Band38	10MHz	16QAM	37800	25RB#0	20.30	PASS
Band38	5MHz	QPSK	38225	25RB#0	20.09	PASS
Band38	5MHz	16QAM	38225	25RB#0	19.34	PASS
Band38	10MHz	QPSK	37800	25RB#12	20.92	PASS
Band38	10MHz	16QAM	37800	25RB#12	20.29	PASS
Band38	10MHz	QPSK	37800	25RB#25	20.93	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.22	PASS
Band38	10MHz	QPSK	38000	1RB#0	21.60	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.06	PASS
Band38	10MHz	QPSK	38000	1RB#24	21.59	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.11	PASS
Band38	10MHz	QPSK	37800	50RB#0	20.70	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.01	PASS
Band38	10MHz	QPSK	38000	1RB#49	21.47	PASS
Band38	10MHz	16QAM	38000	1RB#49	20.80	PASS
Band38	10MHz	QPSK	38000	25RB#0	20.79	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.26	PASS
Band38	10MHz	QPSK	38000	25RB#12	20.82	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.28	PASS
Band38	10MHz	QPSK	38000	25RB#25	20.78	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.10	PASS
Band38	10MHz	QPSK	38000	50RB#0	20.39	PASS
Band38	10MHz	16QAM	38000	50RB#0	19.61	PASS
Band38	10MHz	QPSK	38200	1RB#0	21.52	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.17	PASS
Band38	10MHz	QPSK	38200	1RB#24	21.49	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.07	PASS
Band38	10MHz	QPSK	38200	1RB#49	21.62	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	21.18	PASS
Band38	10MHz	QPSK	38200	25RB#0	20.52	PASS
Band38	10MHz	16QAM	38200	25RB#0	19.66	PASS
Band38	10MHz	QPSK	38200	25RB#12	20.44	PASS
Band38	10MHz	16QAM	38200	25RB#12	19.66	PASS
Band38	10MHz	QPSK	38200	25RB#25	20.46	PASS
Band38	10MHz	16QAM	38200	25RB#25	19.64	PASS
Band38	10MHz	QPSK	38200	50RB#0	20.26	PASS
Band38	10MHz	16QAM	38200	50RB#0	19.55	PASS
Band38	15MHz	QPSK	37825	75RB#0	20.78	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.22	PASS
Band38	15MHz	QPSK	38000	75RB#0	20.44	PASS
Band38	15MHz	16QAM	38000	75RB#0	19.72	PASS
Band38	15MHz	QPSK	38175	75RB#0	20.38	PASS
Band38	15MHz	16QAM	38175	75RB#0	19.65	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.06	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.17	PASS
Band38	20MHz	QPSK	38000	100RB#0	20.82	PASS
Band38	20MHz	16QAM	38000	100RB#0	19.93	PASS
Band38	20MHz	QPSK	38150	100RB#0	20.57	PASS
Band38	20MHz	16QAM	38150	100RB#0	19.72	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



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	8.44	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	9.11	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	8.67	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	9.08	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	8.45	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	9.12	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	9.84	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	9.21	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	9.74	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	8.46	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	9.15	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	9.54	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.28	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.84	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	9.21	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.72	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.03	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.45	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	9.14	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	9.91	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	9.94	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	9.81	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	9.41	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	9.87	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	9.04	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.98	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	9.00	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.70	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	9.31	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.68	13	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

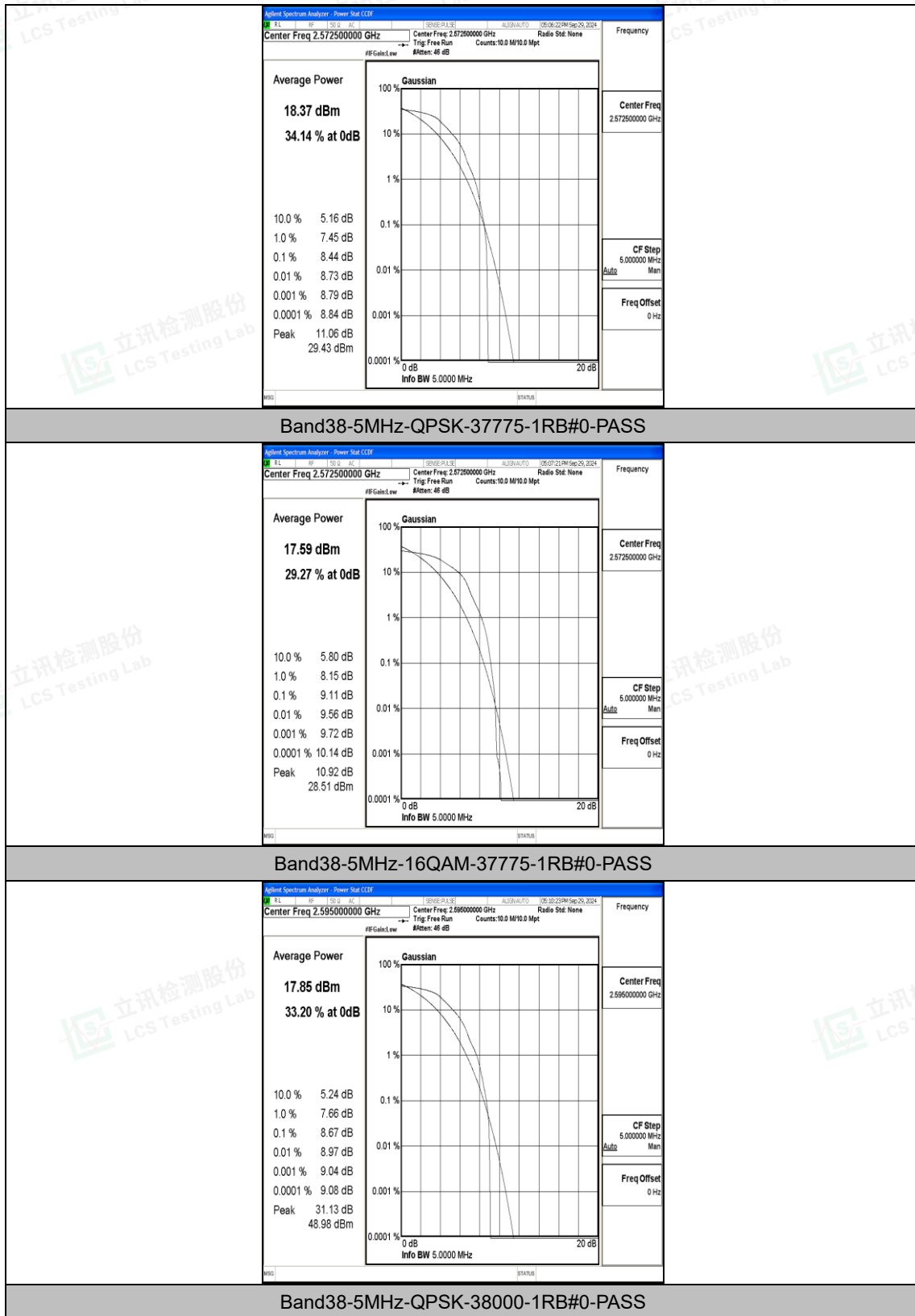
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

Scan code to check authenticity



Test Graphs

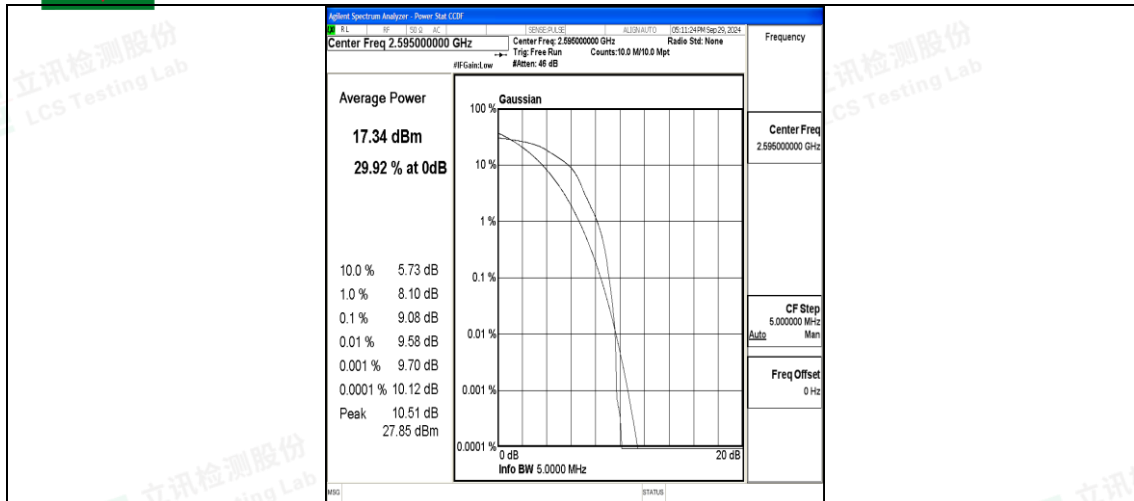


Shenzhen LCS Compliance Testing Laboratory Ltd.

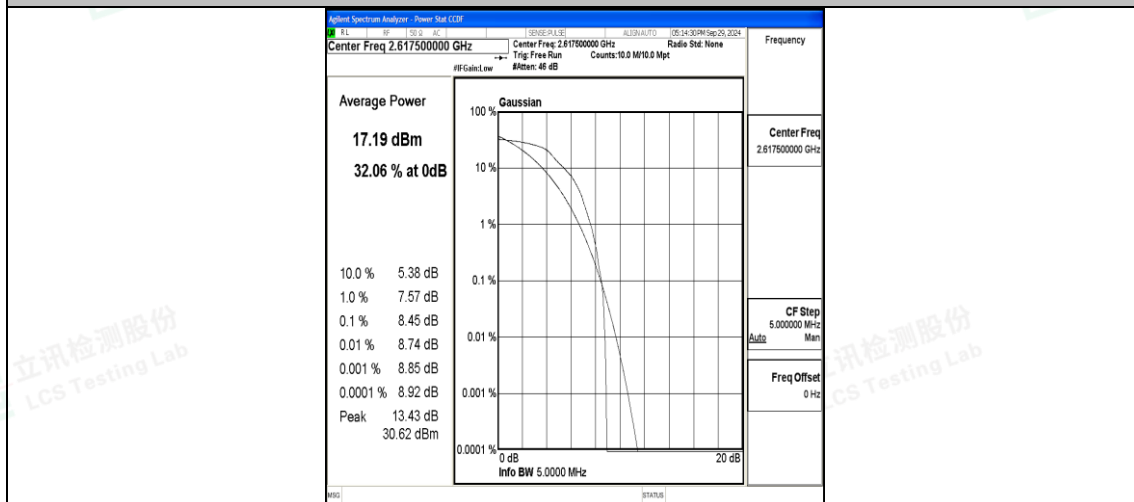
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

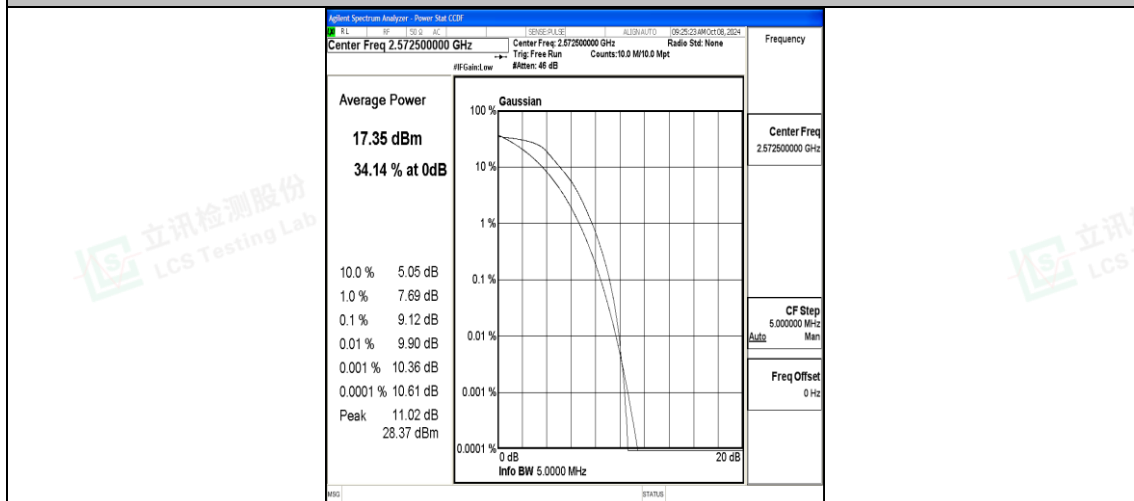
Scan code to check authenticity



Band38-5MHz-16QAM-38000-1RB#0-PASS



Band38-5MHz-QPSK-38225-1RB#0-PASS



Band38-5MHz-QPSK-37775-25RB#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

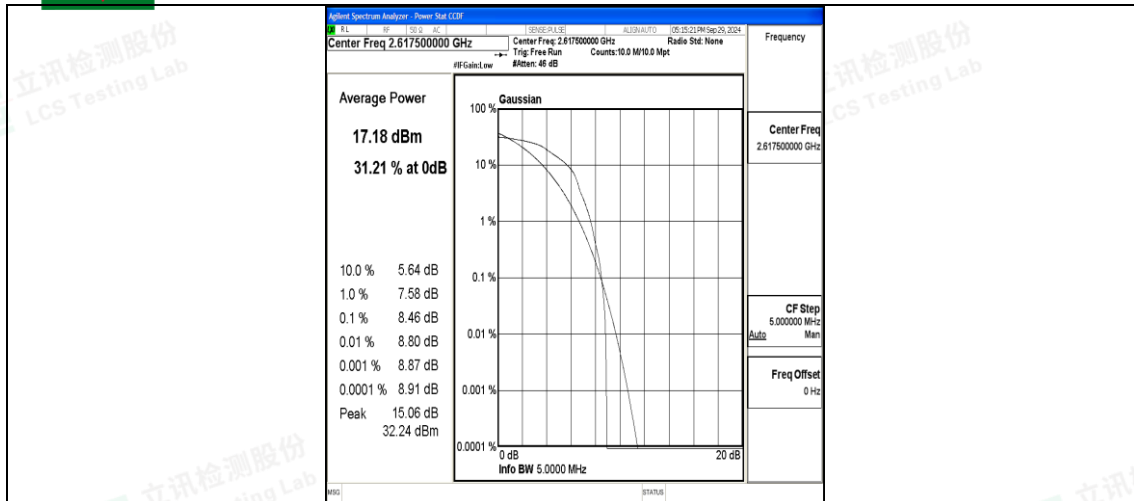


Shenzhen LCS Compliance Testing Laboratory Ltd.

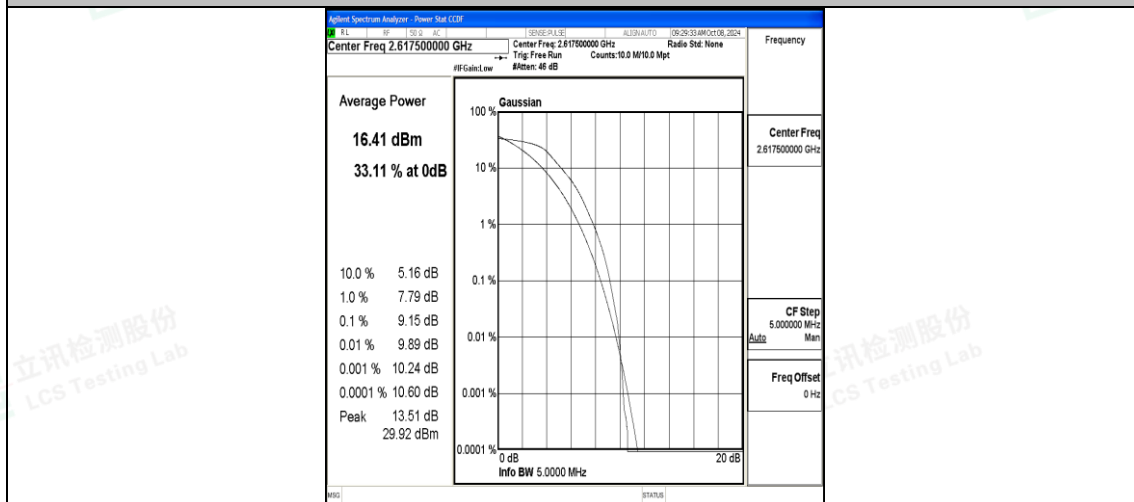
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

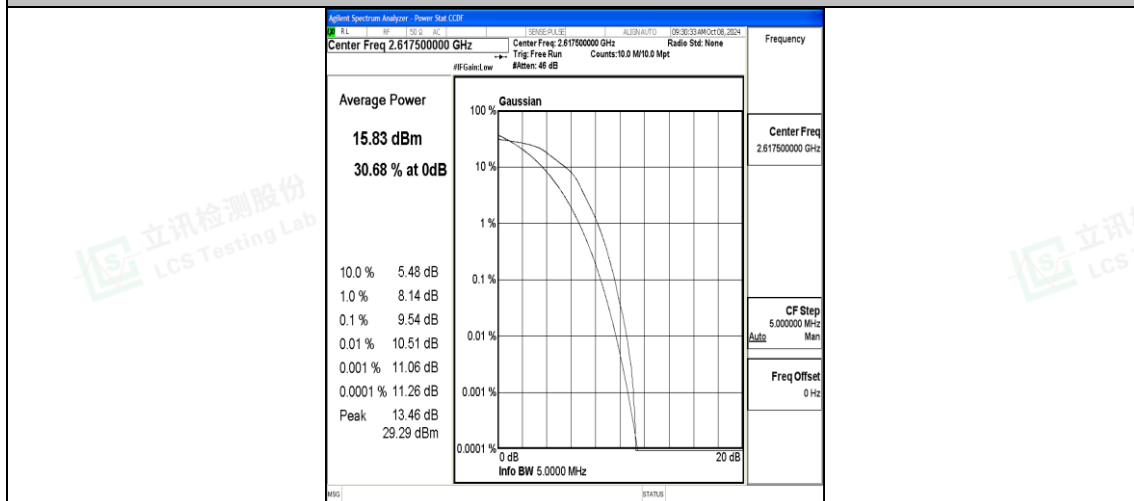
Scan code to check authenticity



Band38-5MHz-16QAM-38225-1RB#0-PASS



Band38-5MHz-QPSK-38225-25RB#0-PASS



Band38-5MHz-16QAM-38225-25RB#0-PASS

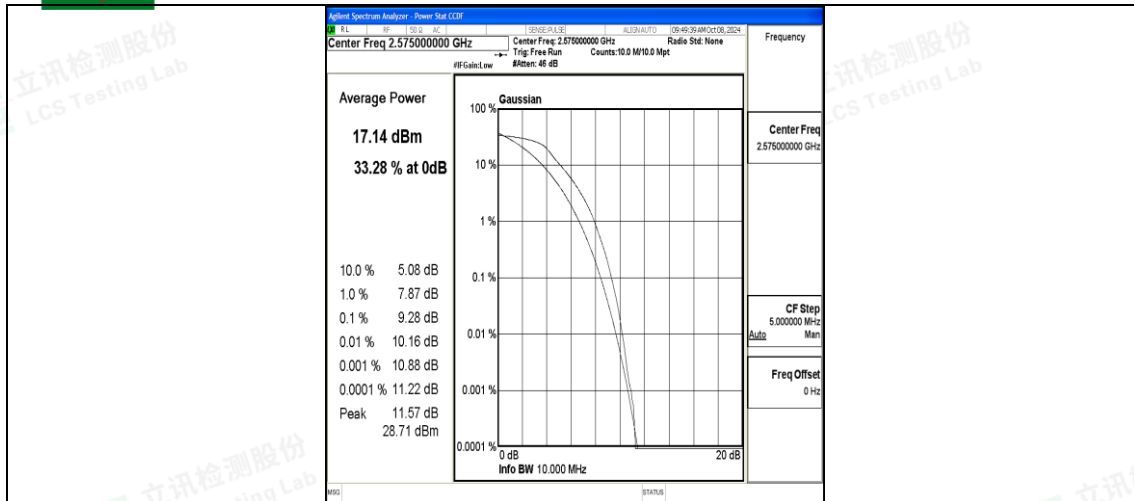


Shenzhen LCS Compliance Testing Laboratory Ltd.

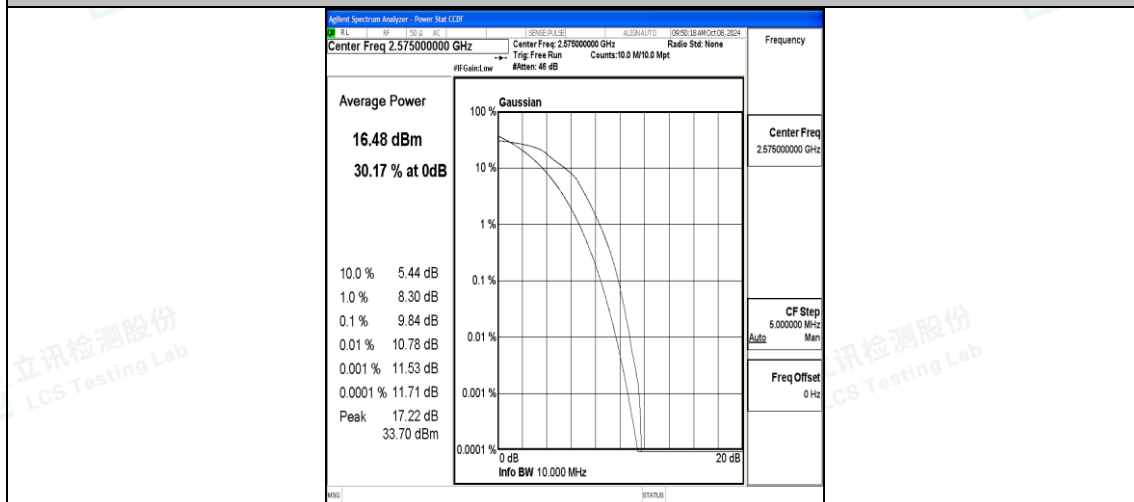
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

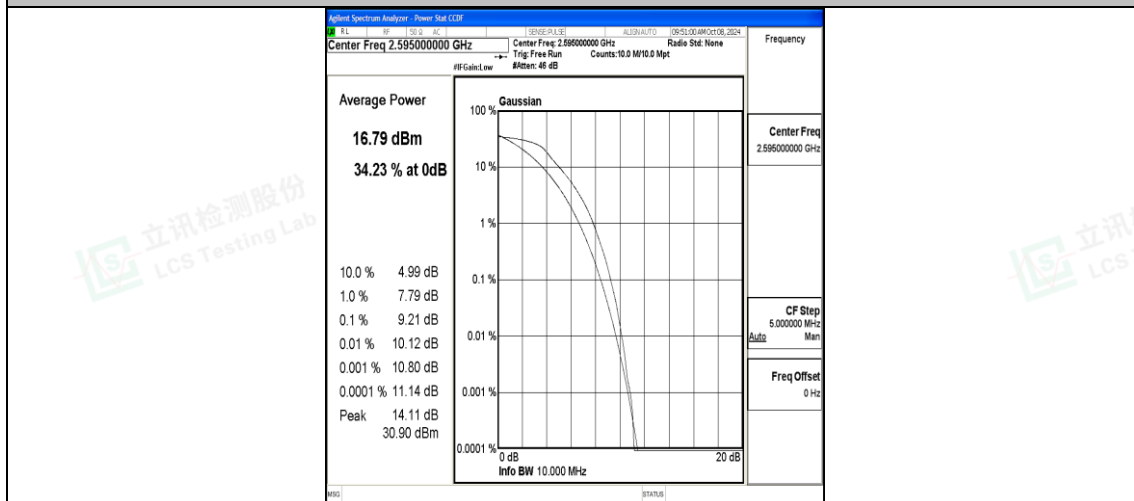
Scan code to check authenticity



Band38-10MHz-QPSK-37800-50RB#0-PASS



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



Band38-10MHz-QPSK-38000-50RB#0-PASS

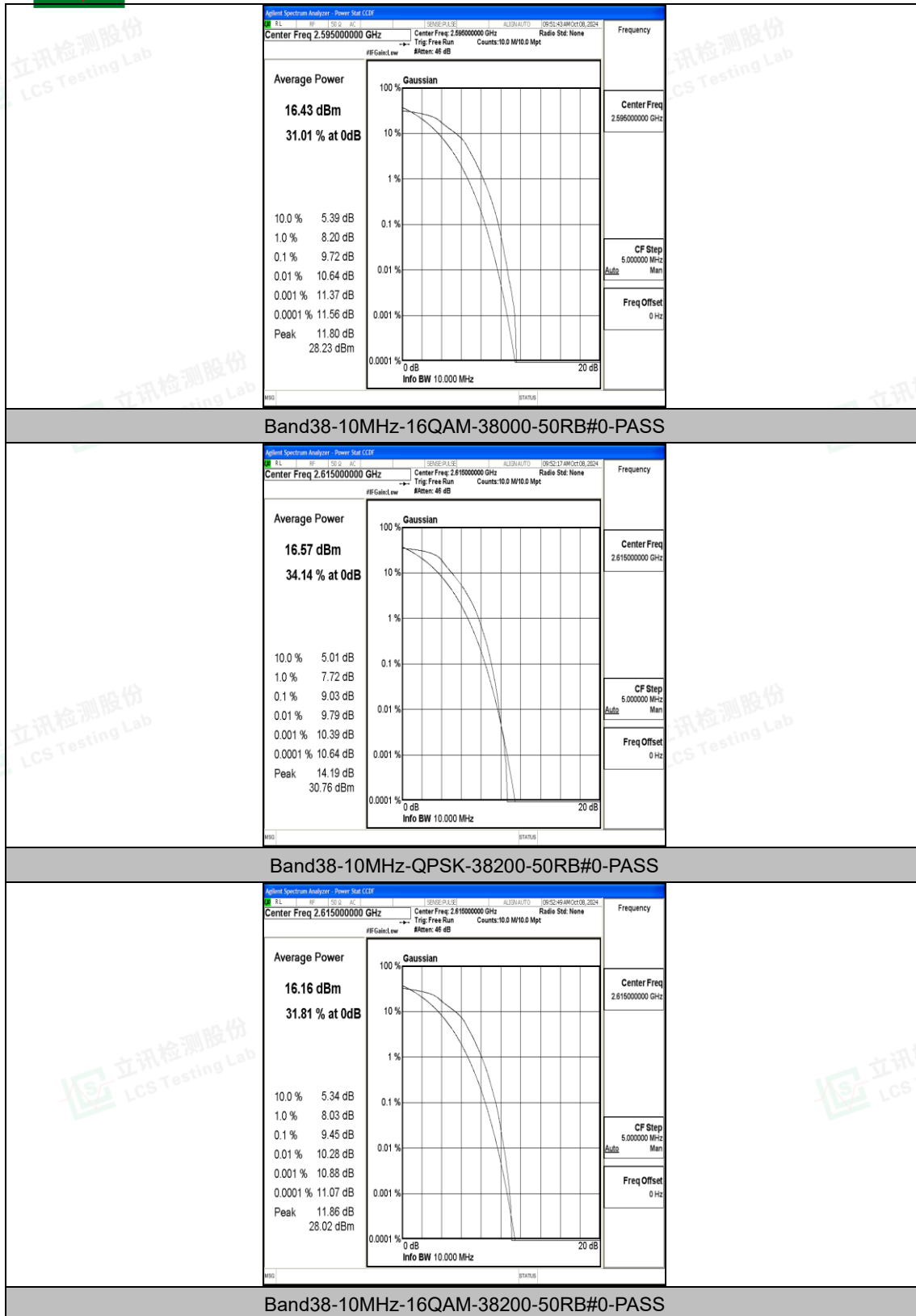


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

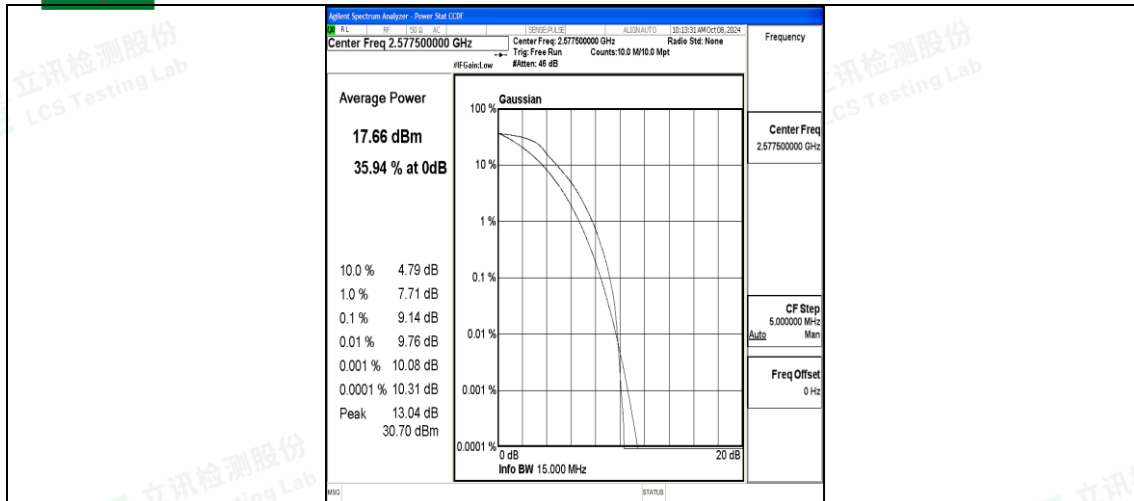


Shenzhen LCS Compliance Testing Laboratory Ltd.

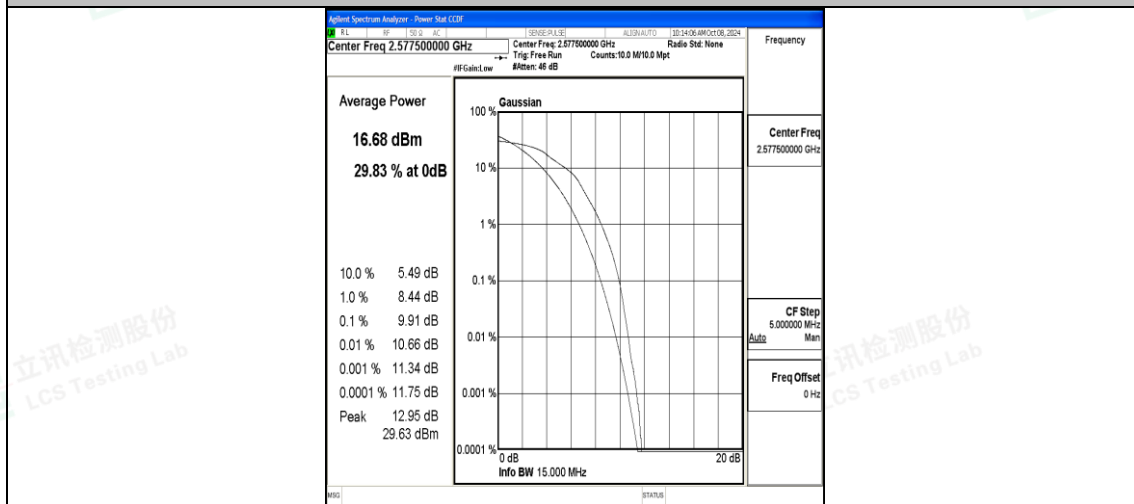
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

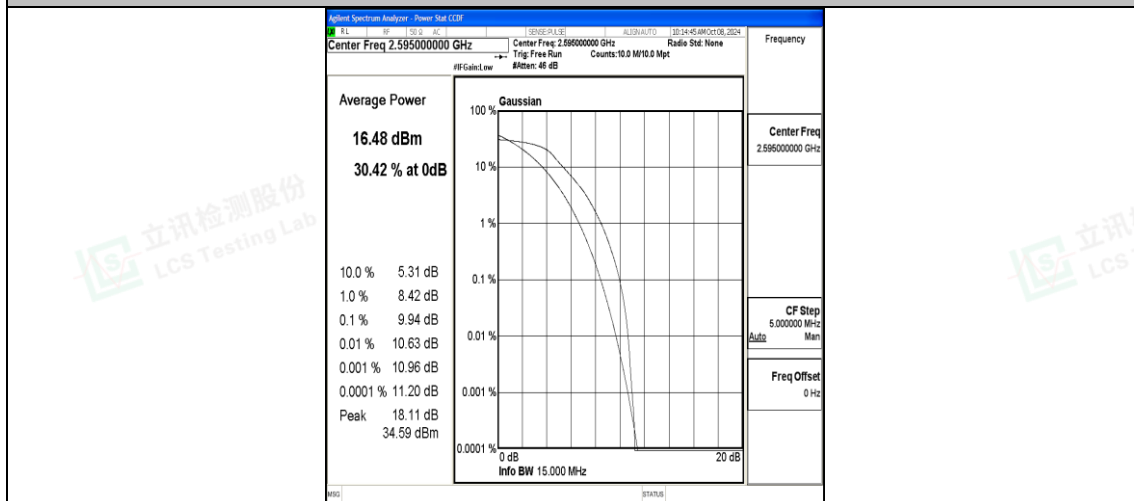
Scan code to check authenticity



Band38-15MHz-QPSK-37825-75RB#0-PASS



Band38-15MHz-16QAM-37825-75RB#0-PASS



Band38-15MHz-QPSK-38000-75RB#0-PASS

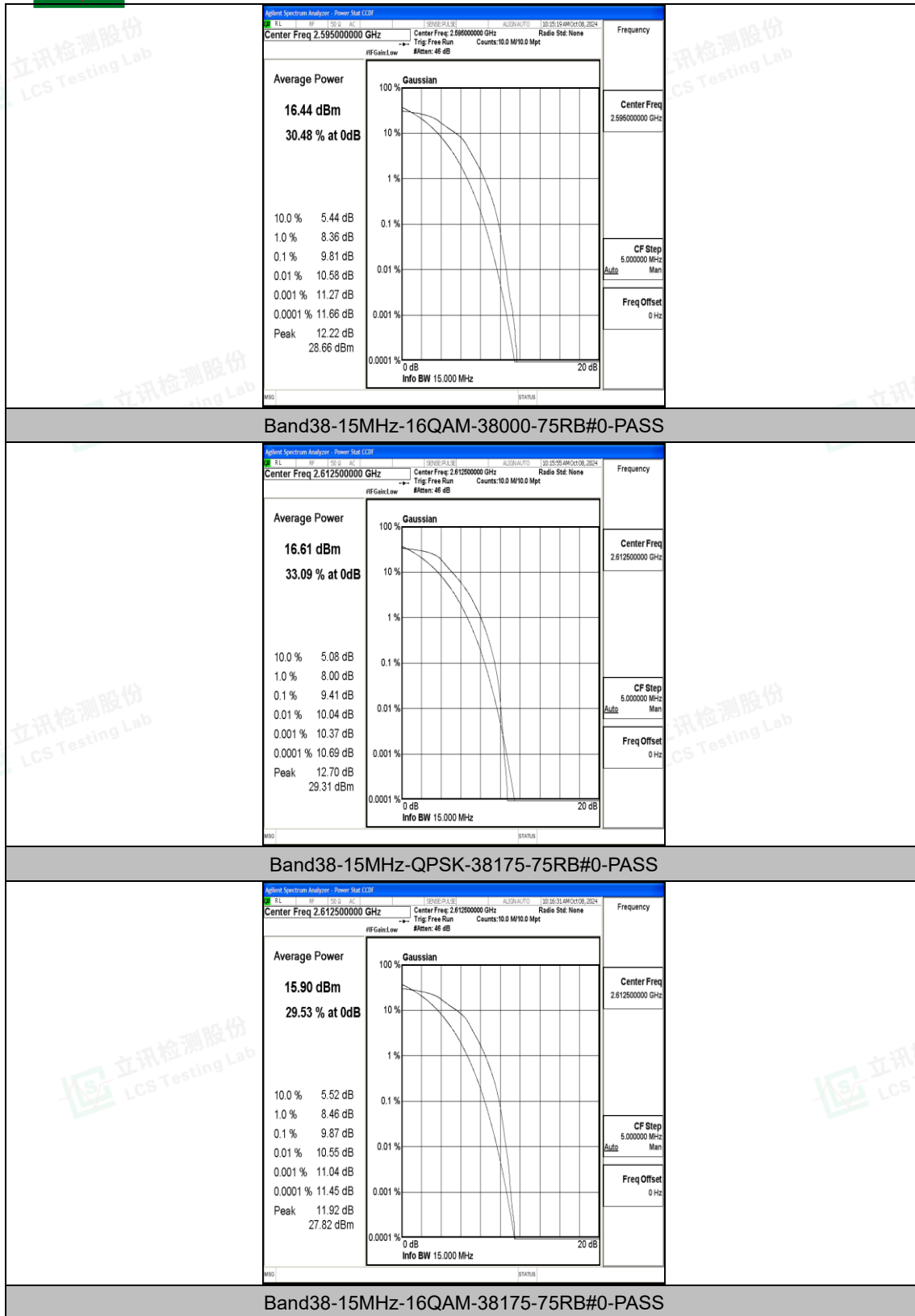


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

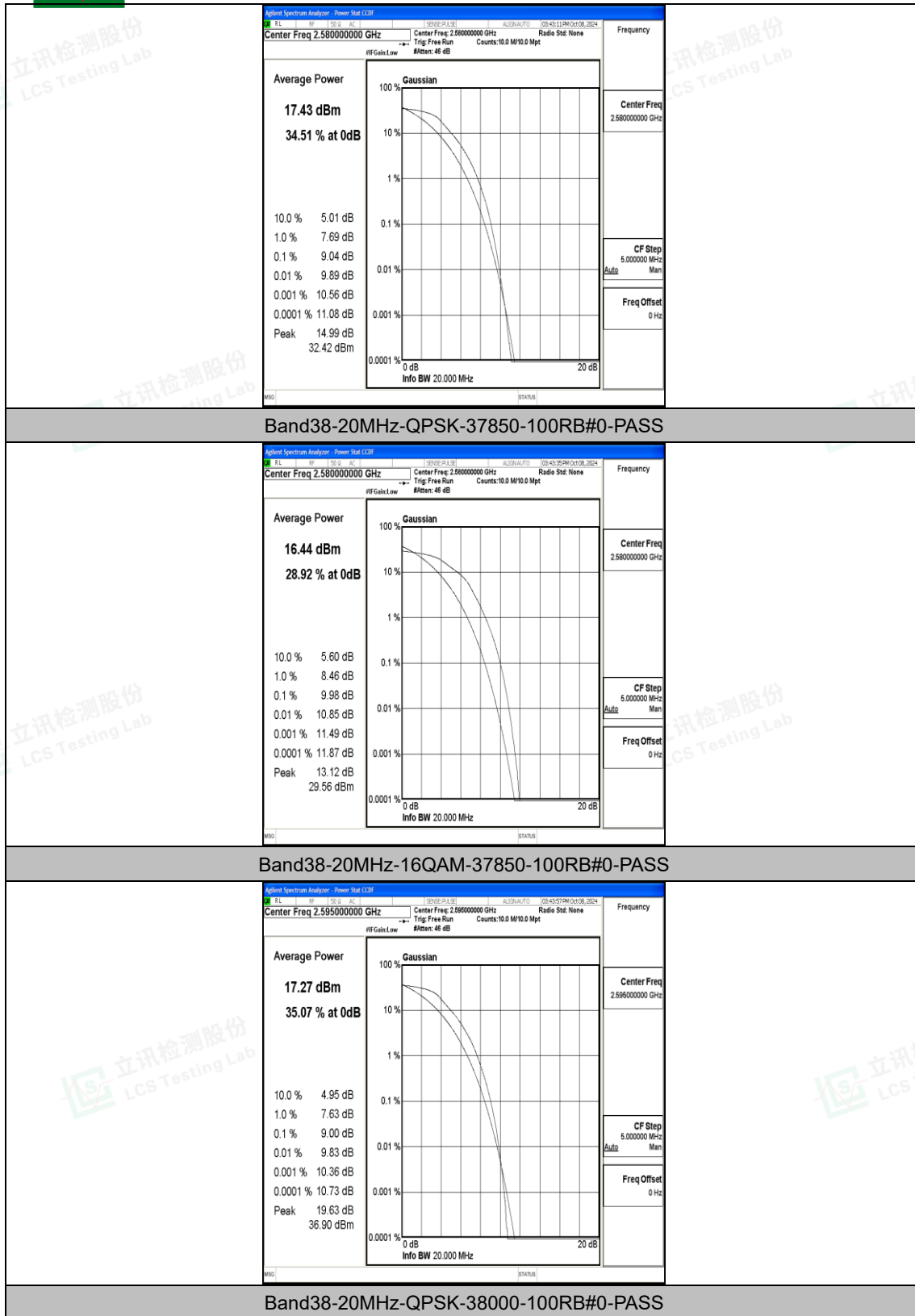


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

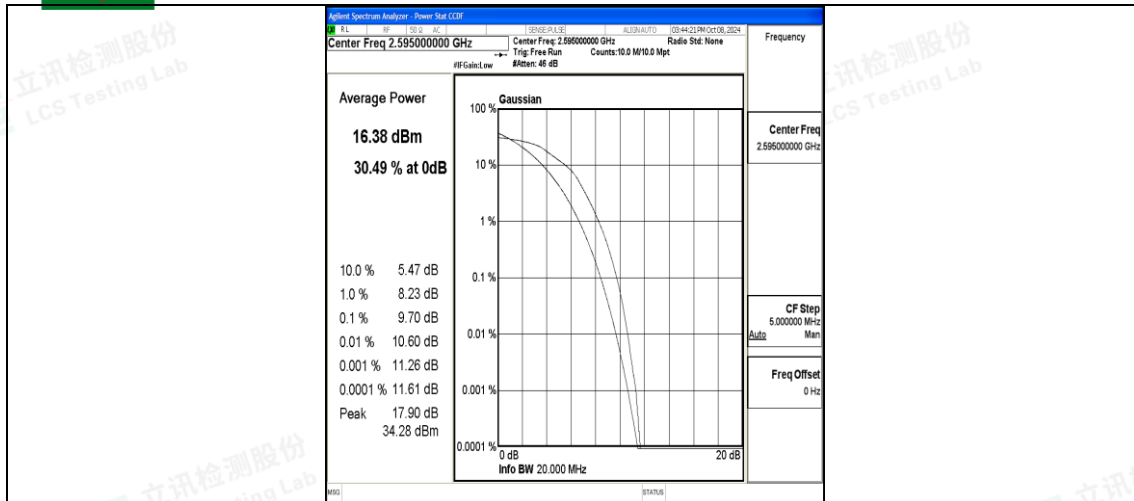


Shenzhen LCS Compliance Testing Laboratory Ltd.

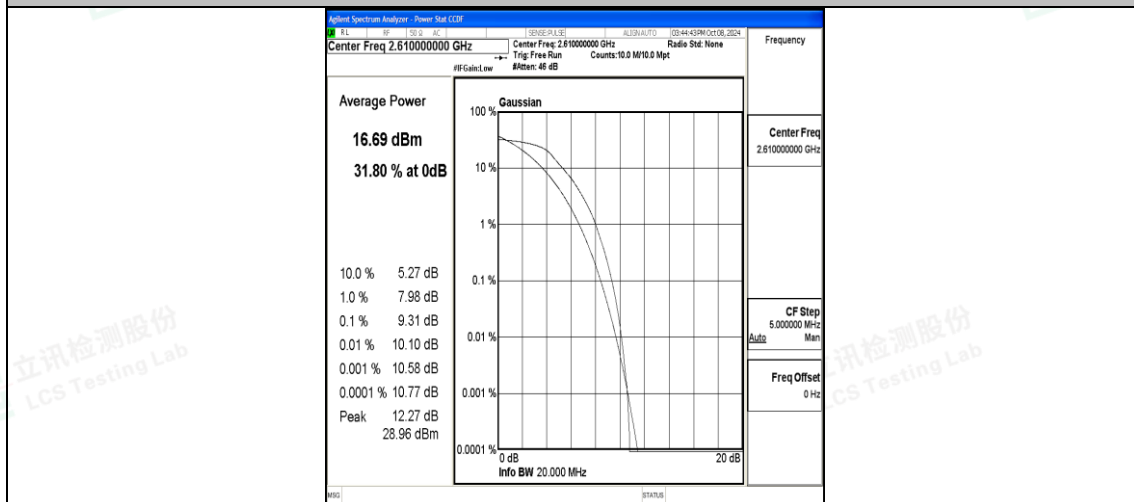
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

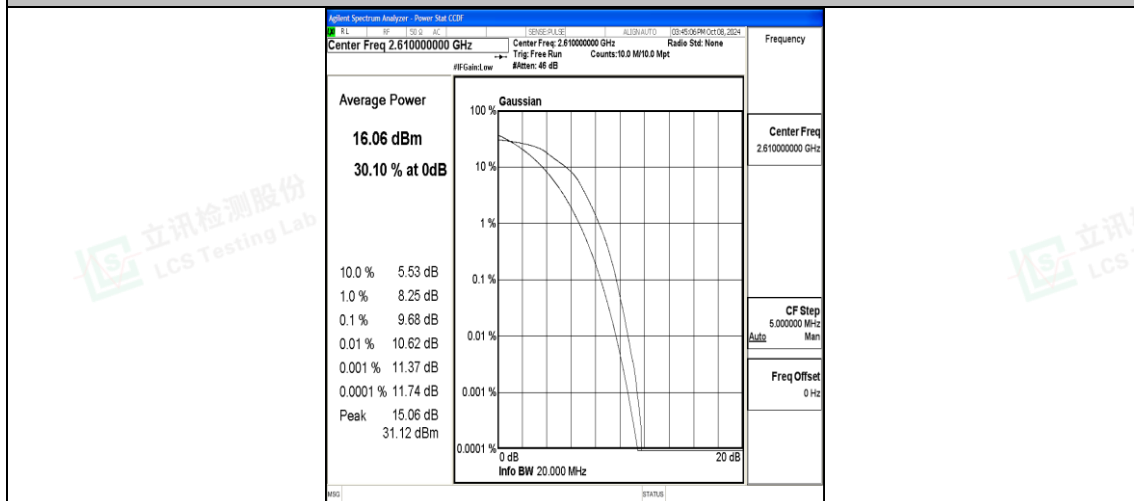
Scan code to check authenticity



Band38-20MHz-16QAM-38000-100RB#0-PASS



Band38-20MHz-QPSK-38150-100RB#0-PASS



Band38-20MHz-16QAM-38150-100RB#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



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	4.5004	5.144	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.5178	5.304	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5031	5.191	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.5056	5.481	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4979	5.185	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.5017	5.274	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.0053	10.15	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.0052	10.05	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9913	10.20	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.0048	10.13	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.0457	10.32	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.0292	10.92	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.534	15.10	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.494	15.19	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.545	16.15	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.508	15.59	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.484	16.02	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.569	16.62	PASS
Band38	20MHz	QPSK	37850	100RB#0	18.055	20.57	PASS
Band38	20MHz	16QAM	37850	100RB#0	18.007	20.49	PASS
Band38	20MHz	QPSK	38000	100RB#0	18.004	20.69	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.996	20.91	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.966	20.13	PASS
Band38	20MHz	16QAM	38150	100RB#0	18.009	20.43	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

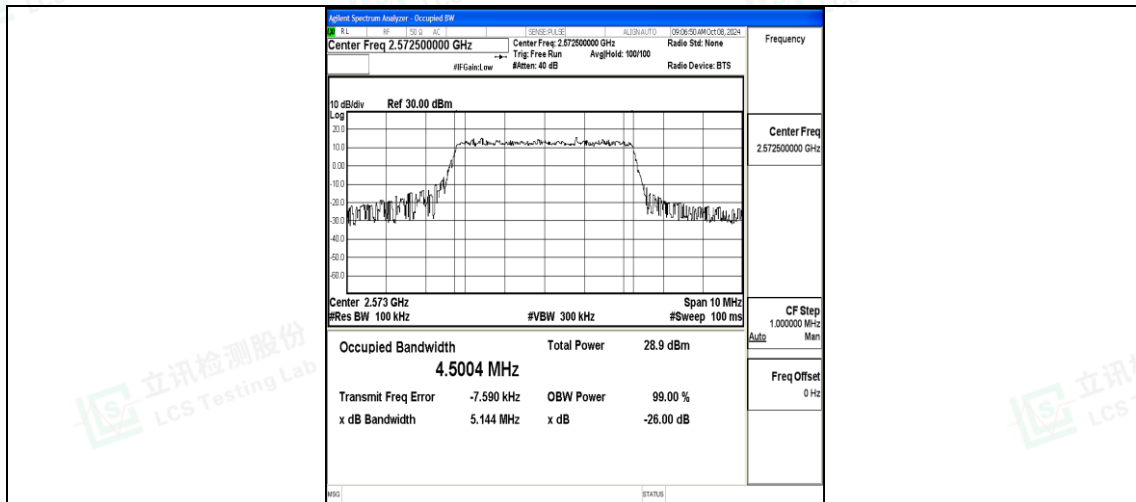
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

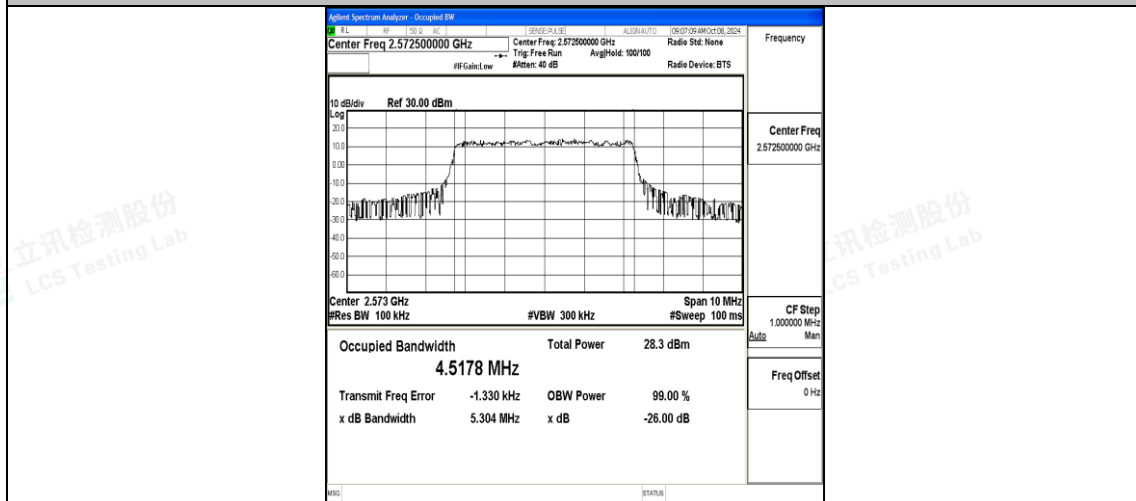
Scan code to check authenticity



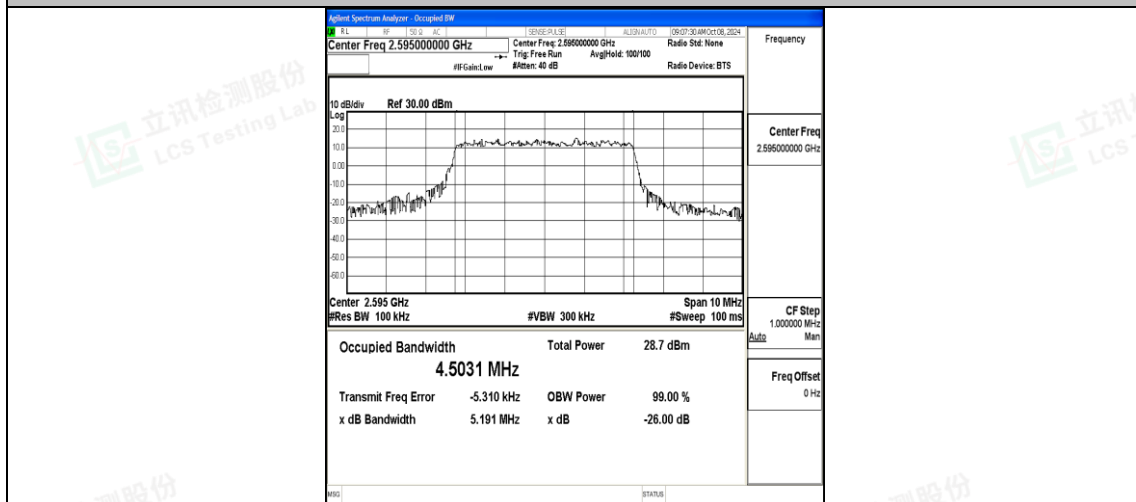
Test Graphs



Band38-5MHz-QPSK-37775-25RB#0-PASS



Band38-5MHz-16QAM-37775-25RB#0-PASS



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

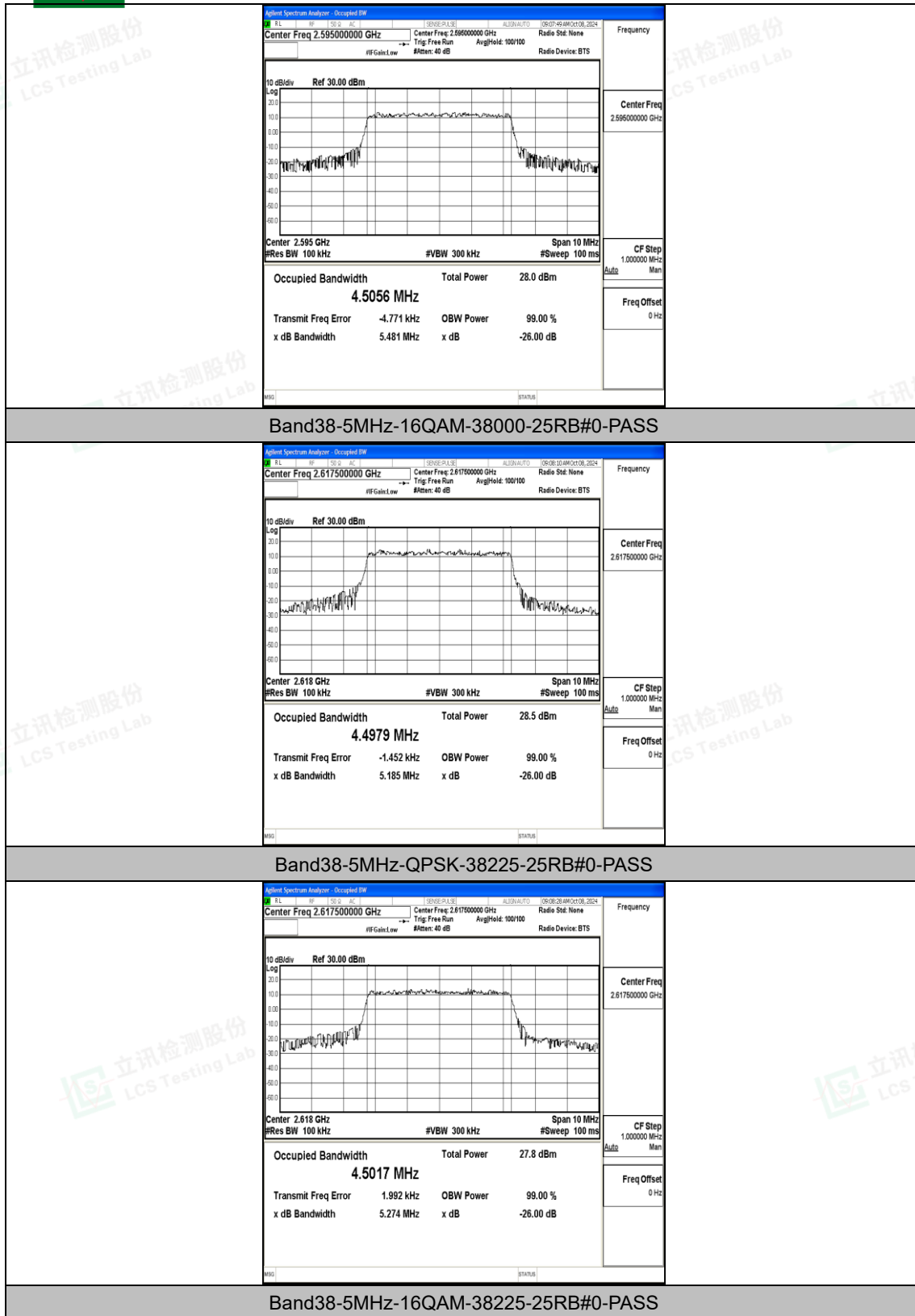


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

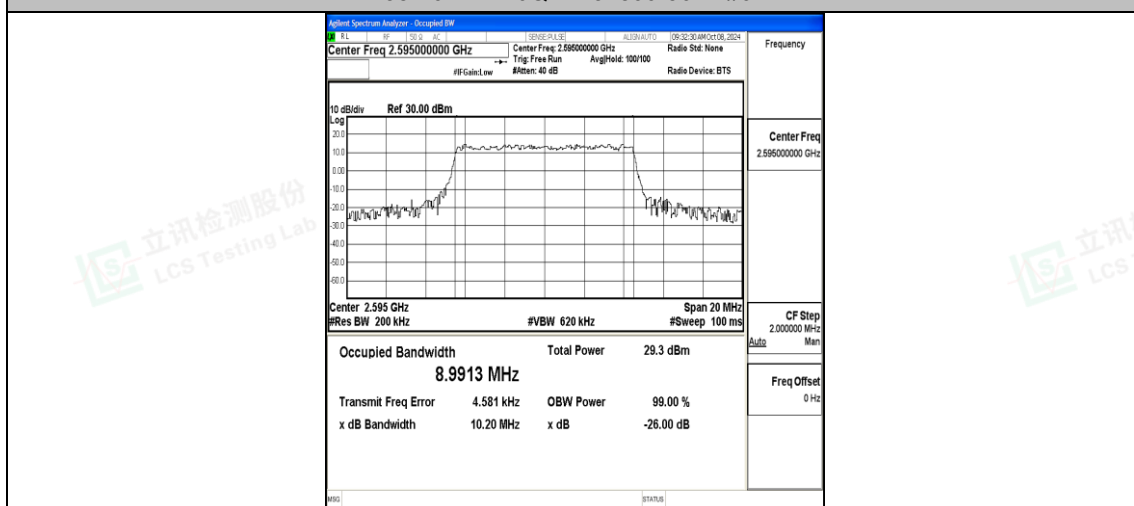
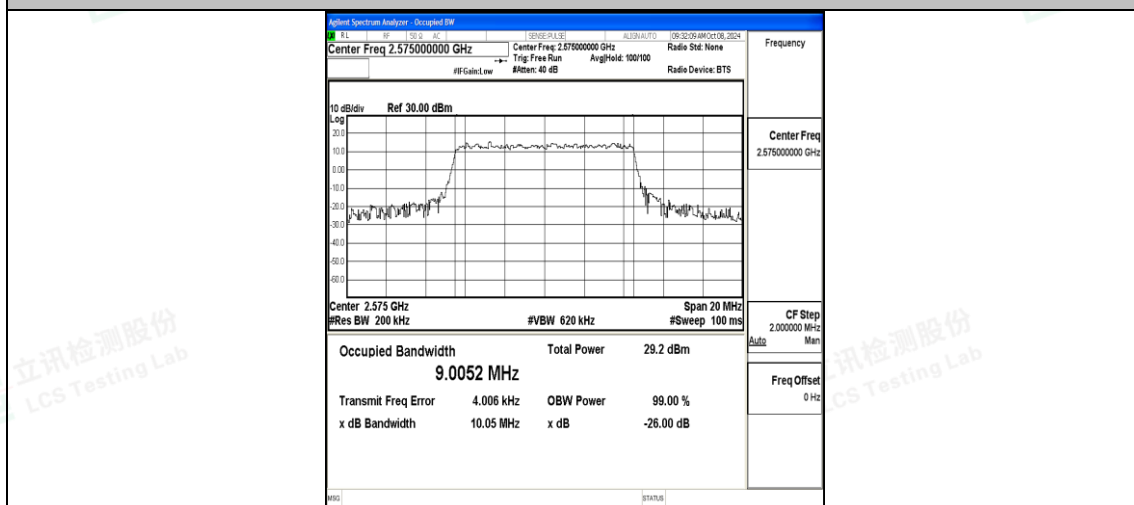
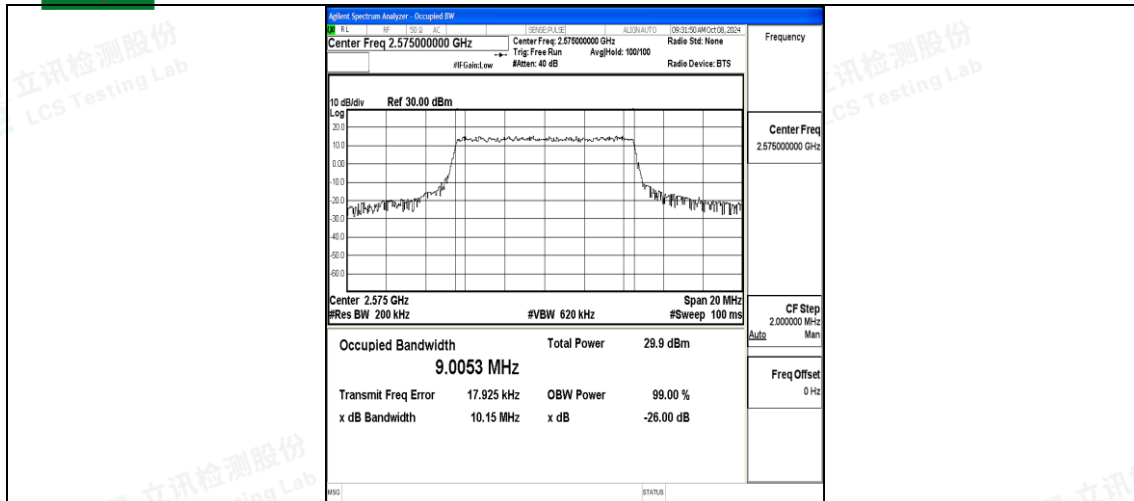


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

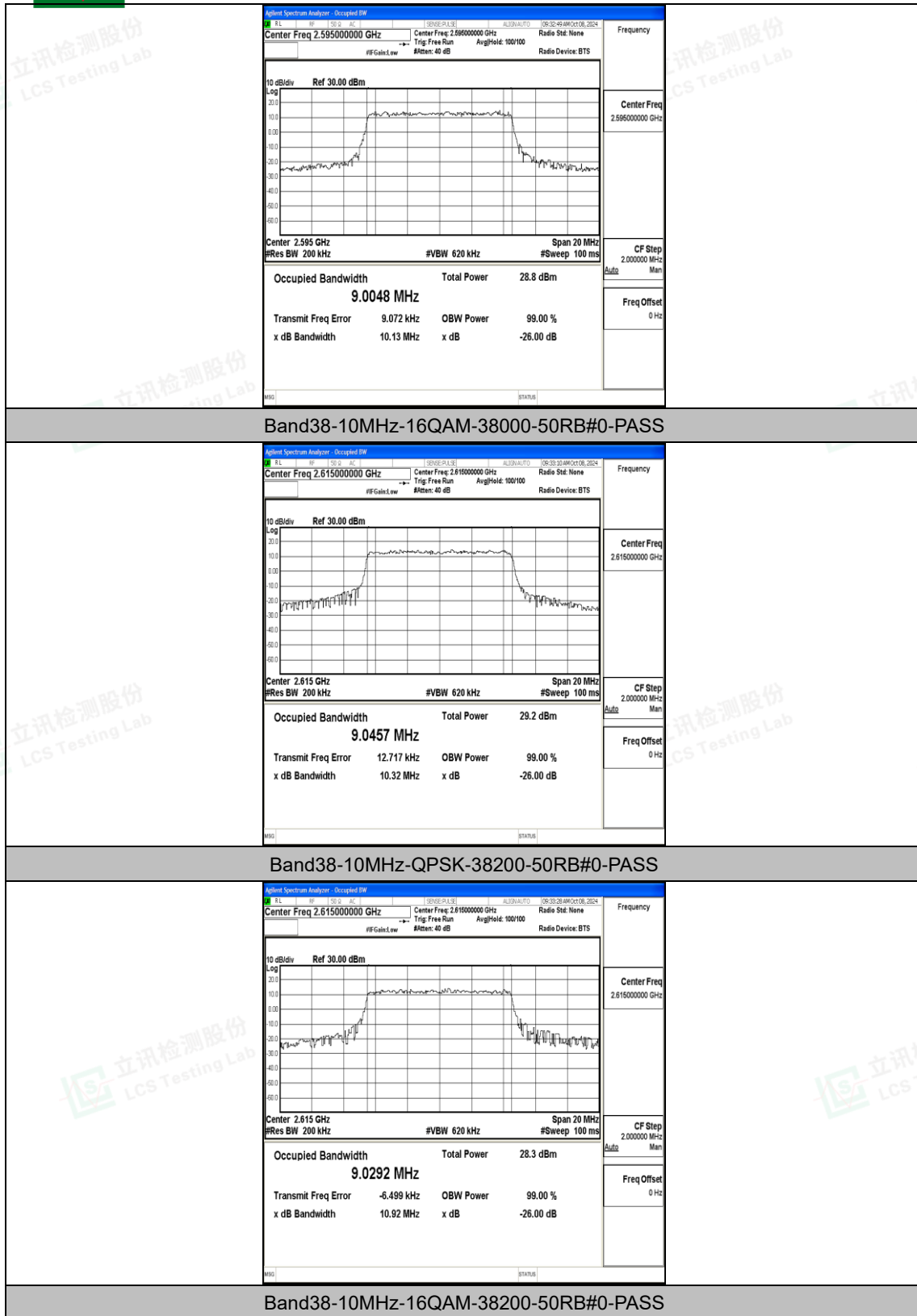


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

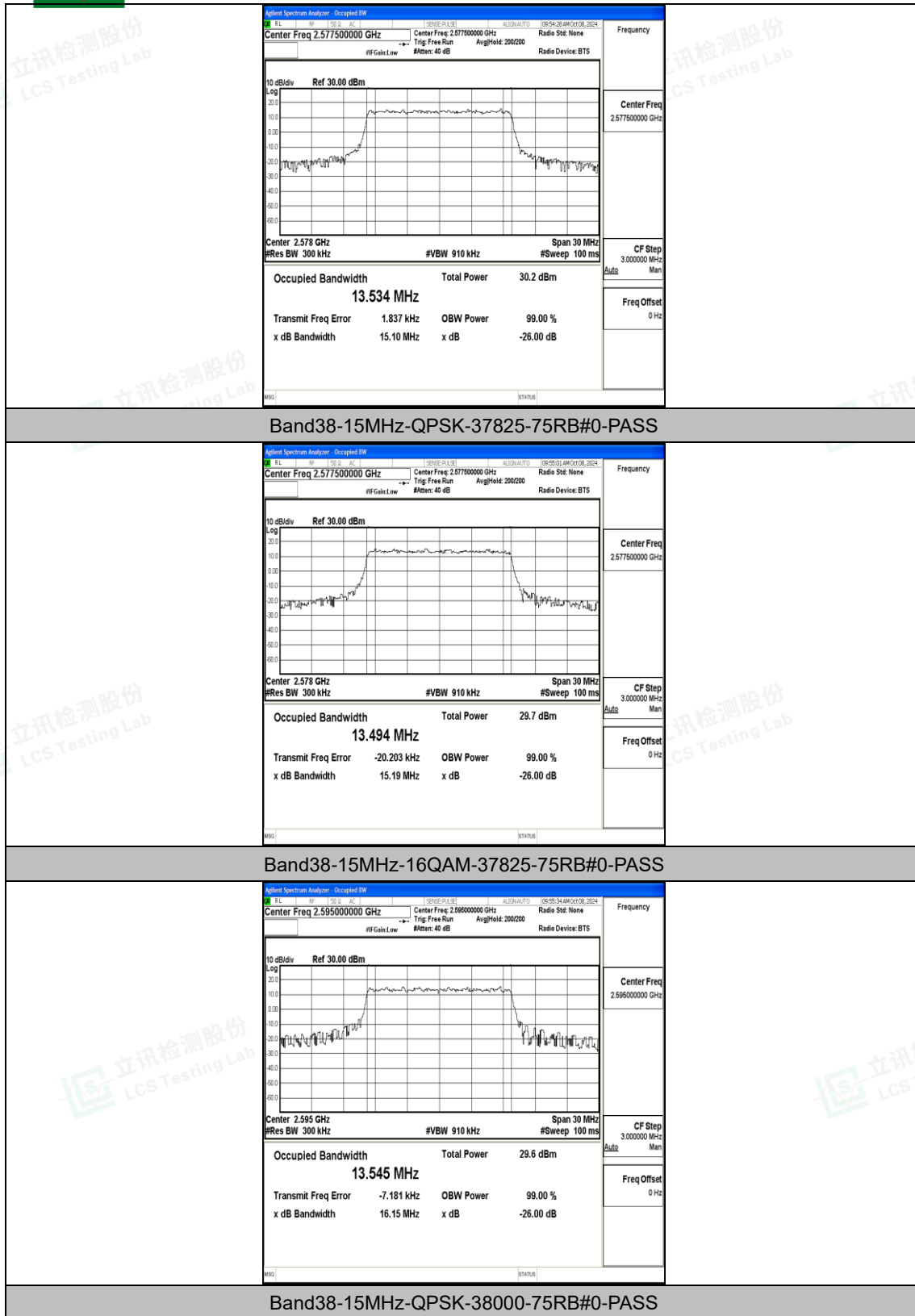


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

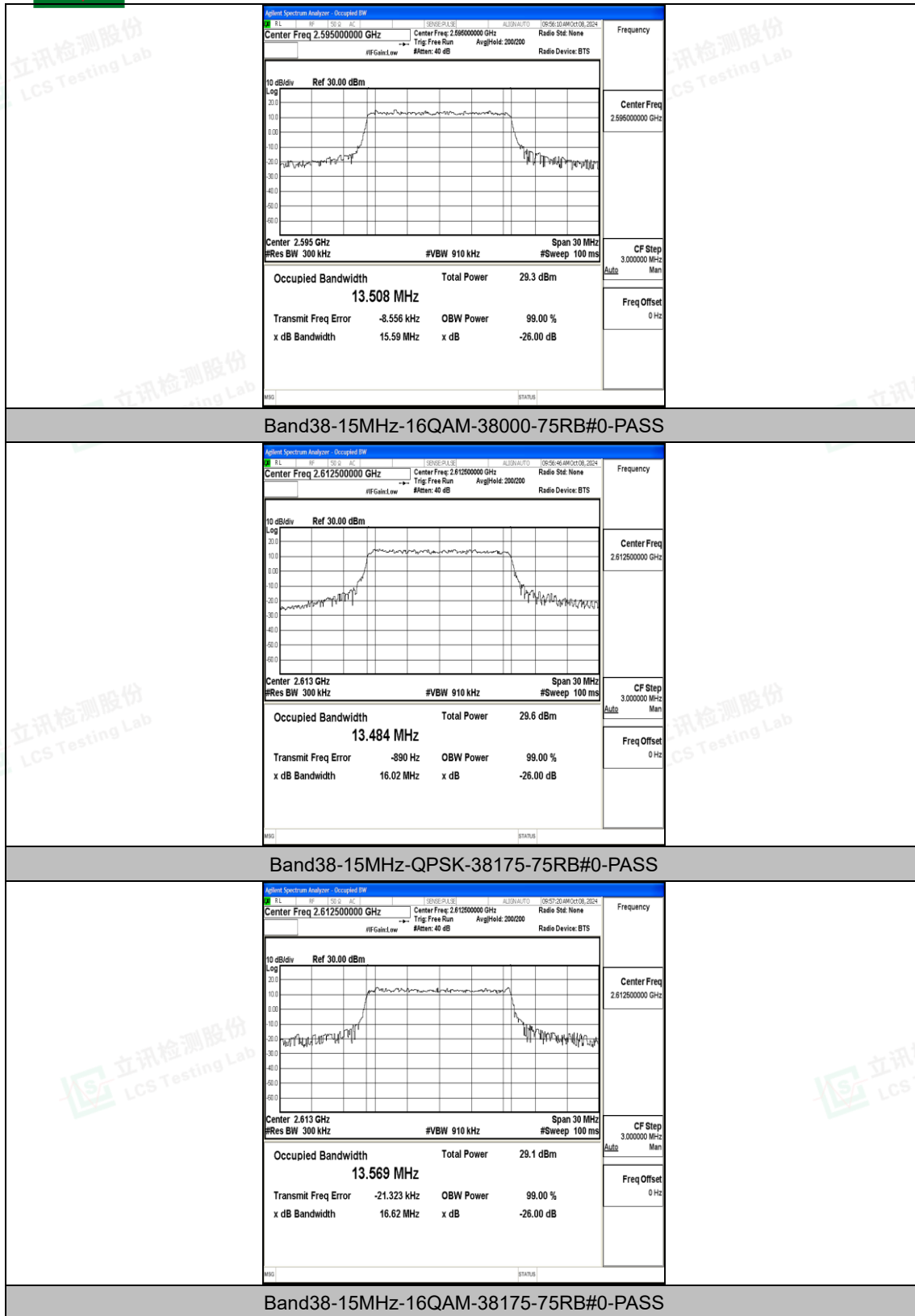


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

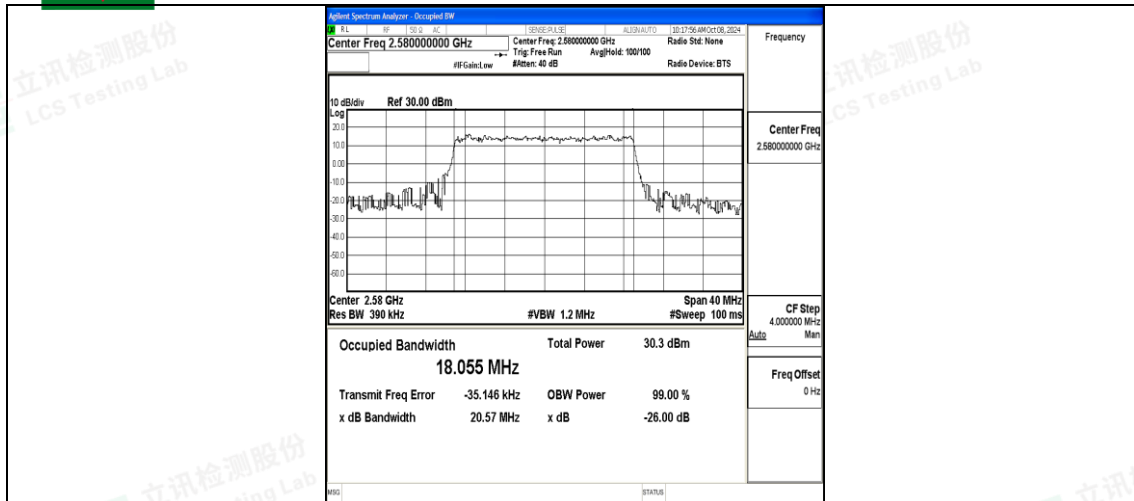


Shenzhen LCS Compliance Testing Laboratory Ltd.

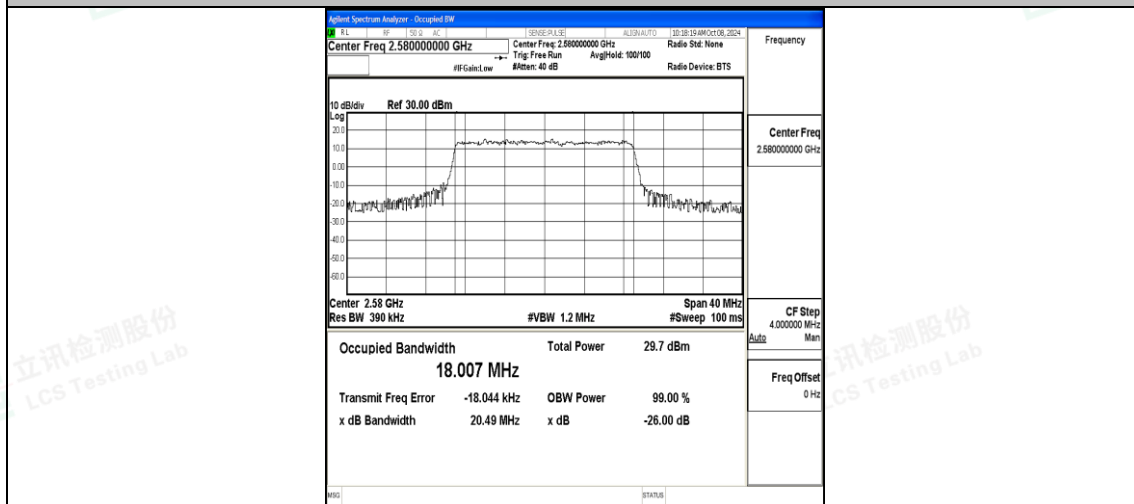
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

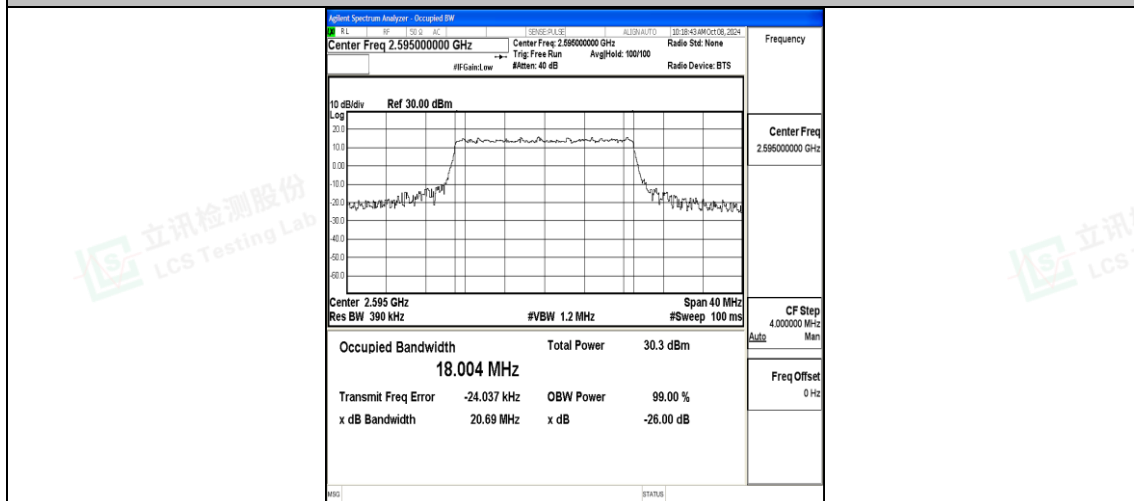
Scan code to check authenticity



Band38-20MHz-QPSK-37850-100RB#0-PASS



Band38-20MHz-16QAM-37850-100RB#0-PASS



Band38-20MHz-QPSK-38000-100RB#0-PASS

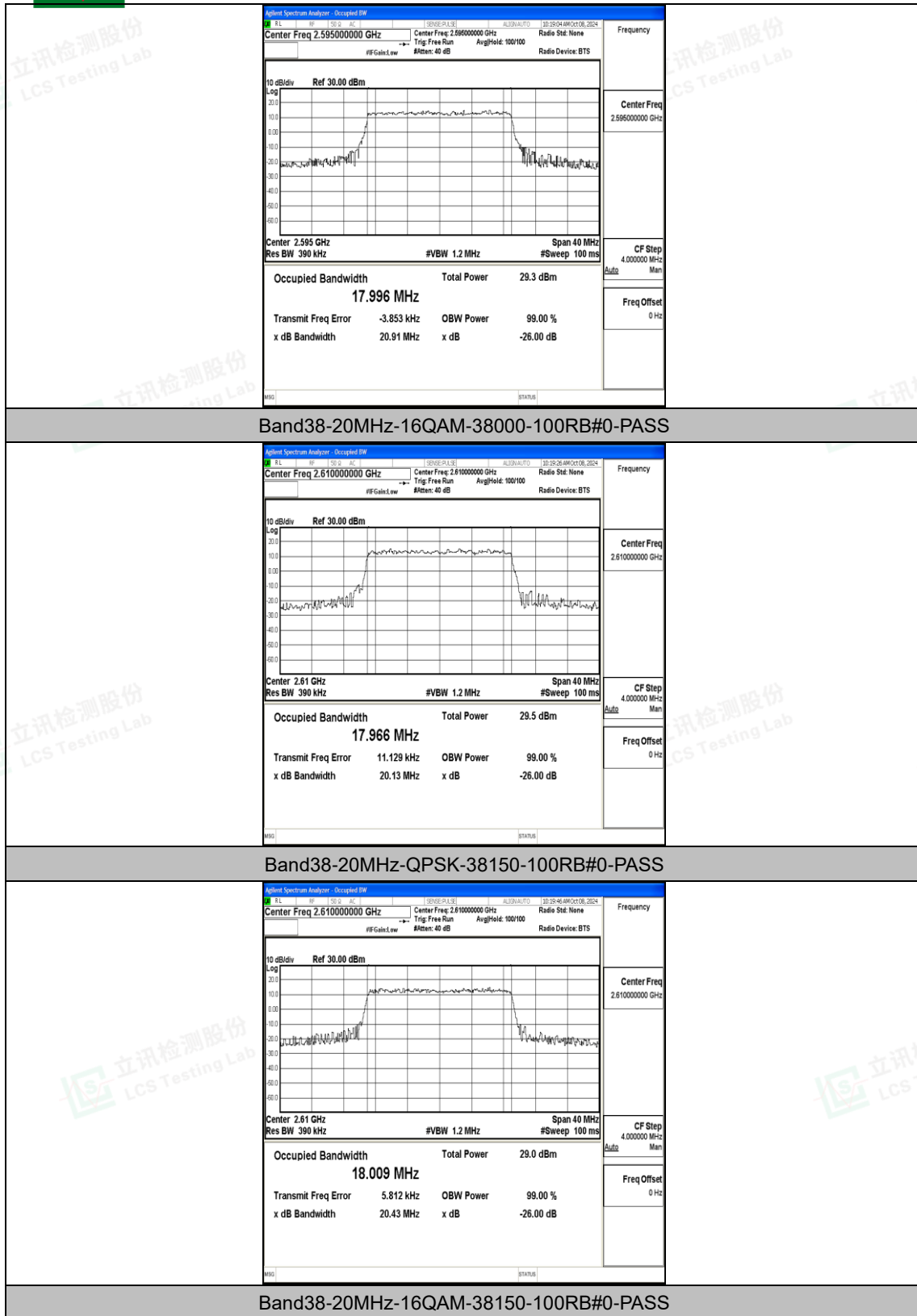


Shenzhen LCS Compliance Testing Laboratory Ltd.

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



N.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	2569.99	-19.21	PASS
Band38	5MHz	16QAM	37775	1RB#0	2569.99	-20.01	PASS
Band38	5MHz	QPSK	37775	1RB#24	2563.42	-50.14	PASS
Band38	5MHz	16QAM	37775	1RB#24	2561.52	-50.10	PASS
Band38	5MHz	QPSK	38225	1RB#0	2628.10	-50.03	PASS
Band38	5MHz	16QAM	38225	1RB#0	2627.47	-49.95	PASS
Band38	5MHz	QPSK	37775	25RB#0	2563.89	-44.67	PASS
Band38	5MHz	16QAM	37775	25RB#0	2563.81	-45.42	PASS
Band38	5MHz	QPSK	38225	1RB#24	2620.01	-15.71	PASS
Band38	5MHz	16QAM	38225	1RB#24	2620.01	-16.50	PASS
Band38	10MHz	QPSK	37800	1RB#0	2570.00	-19.22	PASS
Band38	10MHz	16QAM	37800	1RB#0	2570.00	-21.24	PASS
Band38	10MHz	QPSK	37800	1RB#49	2556.33	-47.29	PASS
Band38	10MHz	16QAM	37800	1RB#49	2558.35	-47.37	PASS
Band38	5MHz	QPSK	38225	25RB#0	2626.25	-44.14	PASS
Band38	5MHz	16QAM	38225	25RB#0	2626.22	-45.31	PASS
Band38	10MHz	QPSK	38200	1RB#0	2633.03	-47.32	PASS
Band38	10MHz	16QAM	38200	1RB#0	2630.38	-47.36	PASS
Band38	10MHz	QPSK	38200	1RB#49	2620.00	-17.27	PASS
Band38	10MHz	16QAM	38200	1RB#49	2620.00	-19.64	PASS
Band38	10MHz	QPSK	37800	50RB#0	2559.93	-42.11	PASS
Band38	10MHz	16QAM	37800	50RB#0	2559.95	-41.85	PASS
Band38	10MHz	QPSK	38200	50RB#0	2630.03	-41.05	PASS
Band38	10MHz	16QAM	38200	50RB#0	2630.05	-40.66	PASS
Band38	15MHz	QPSK	37825	75RB#0	2554.48	-39.90	PASS
Band38	15MHz	16QAM	37825	75RB#0	2554.76	-39.89	PASS
Band38	15MHz	QPSK	38175	75RB#0	2635.03	-39.87	PASS
Band38	15MHz	16QAM	38175	75RB#0	2636.05	-39.75	PASS
Band38	20MHz	QPSK	37850	100RB#0	2549.95	-39.96	PASS
Band38	20MHz	16QAM	37850	100RB#0	2549.95	-41.04	PASS
Band38	20MHz	QPSK	38150	100RB#0	2640.10	-39.73	PASS
Band38	20MHz	16QAM	38150	100RB#0	2640.05	-39.95	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

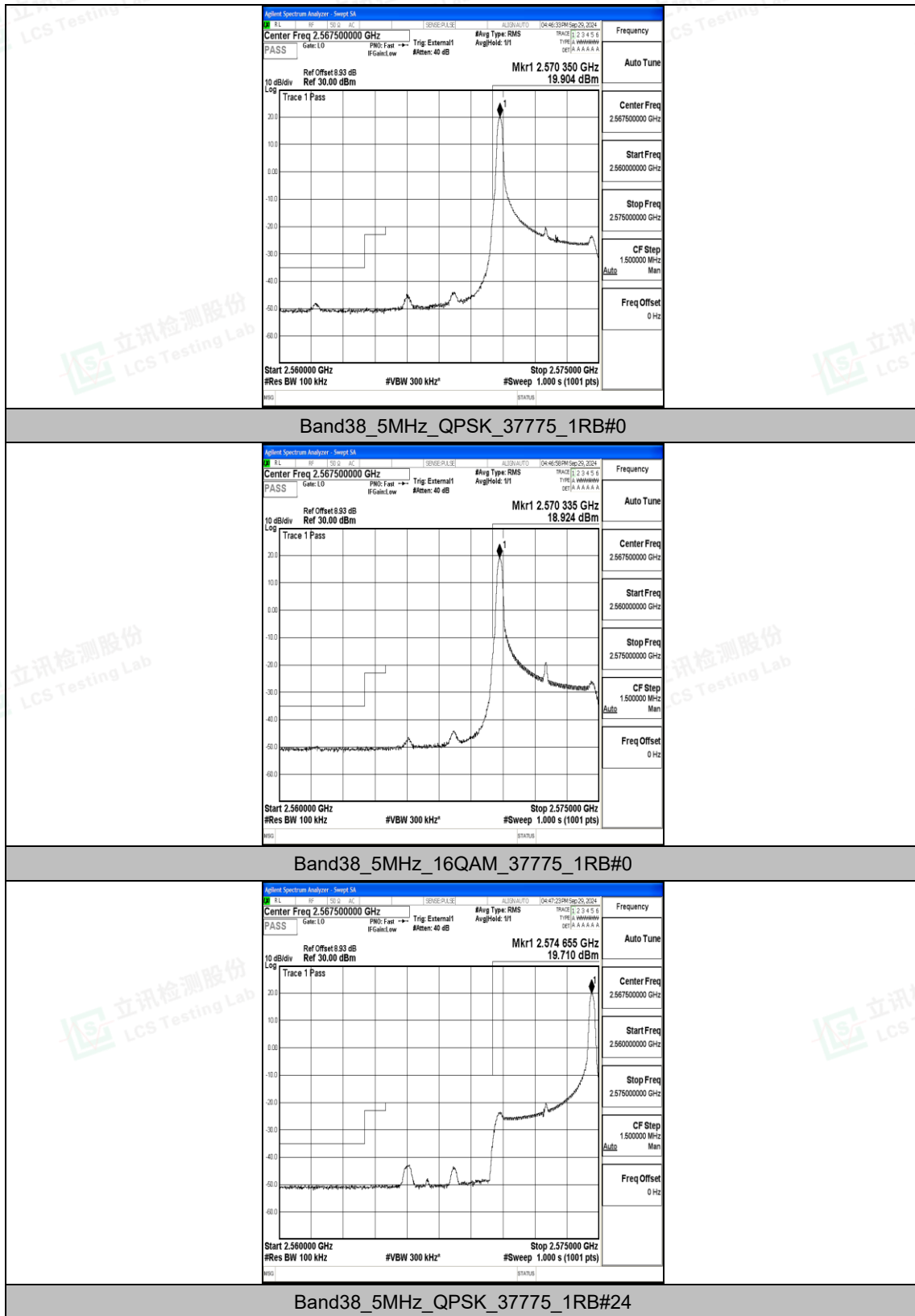
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

Scan code to check authenticity



Test Graphs

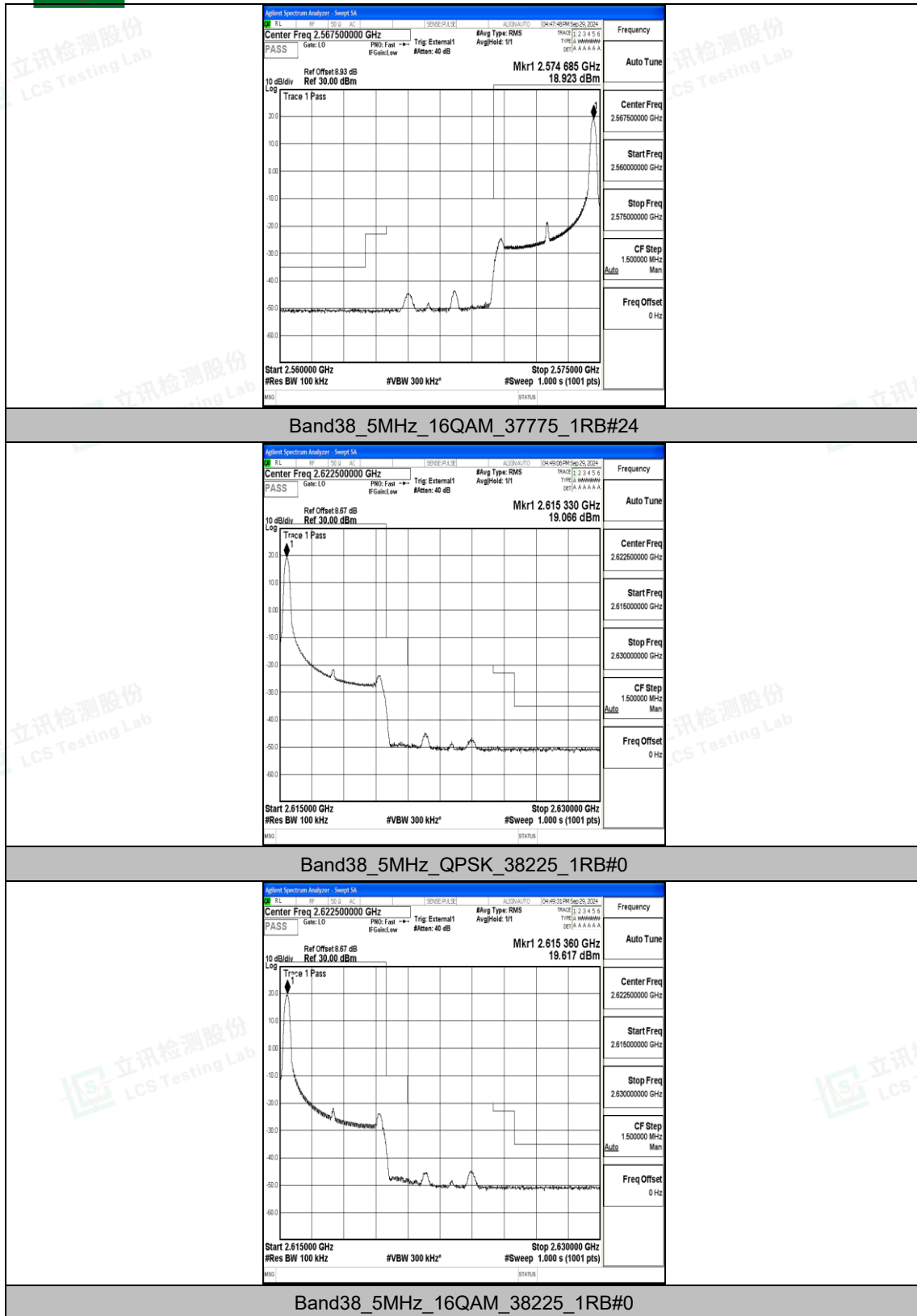


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

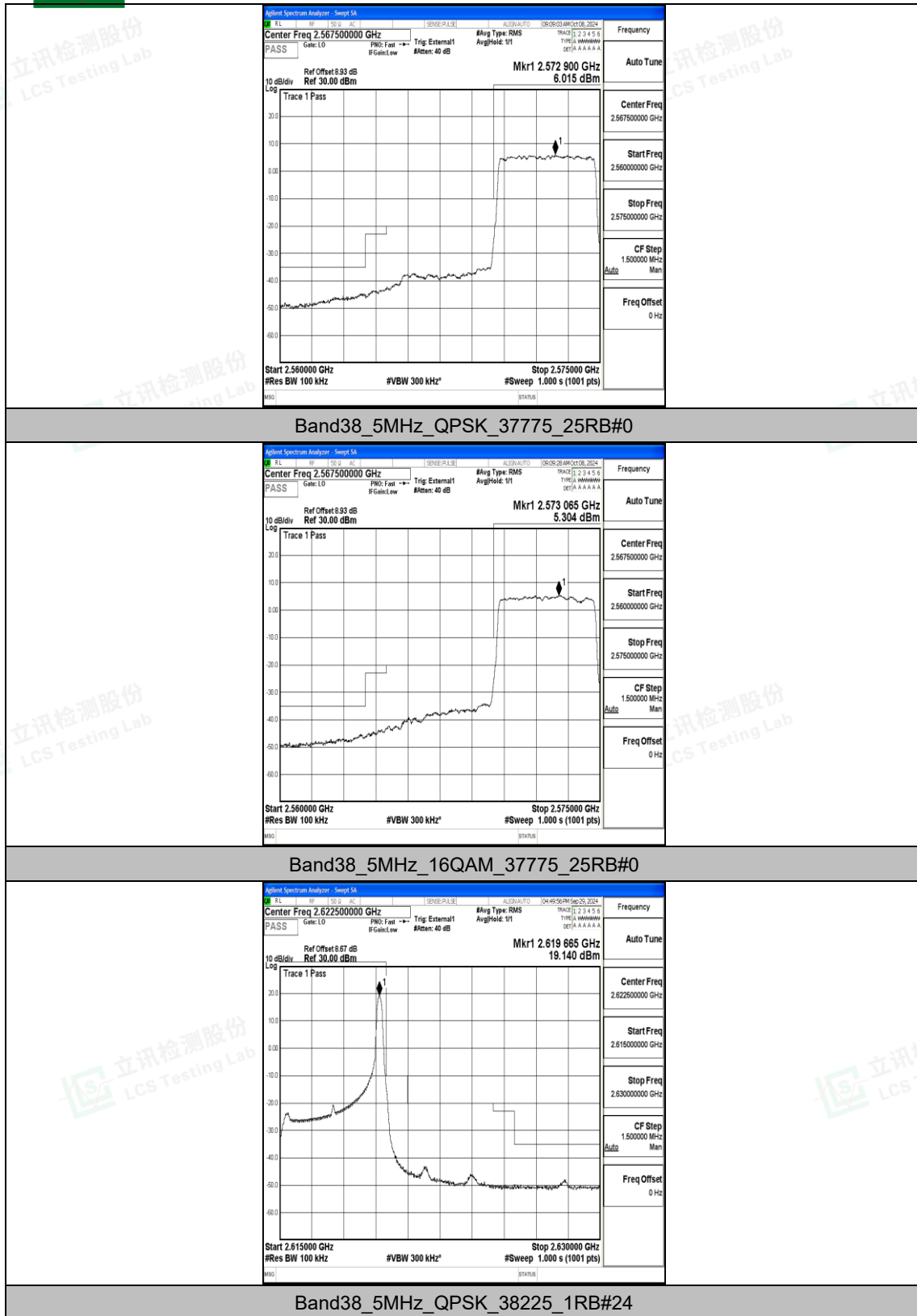


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

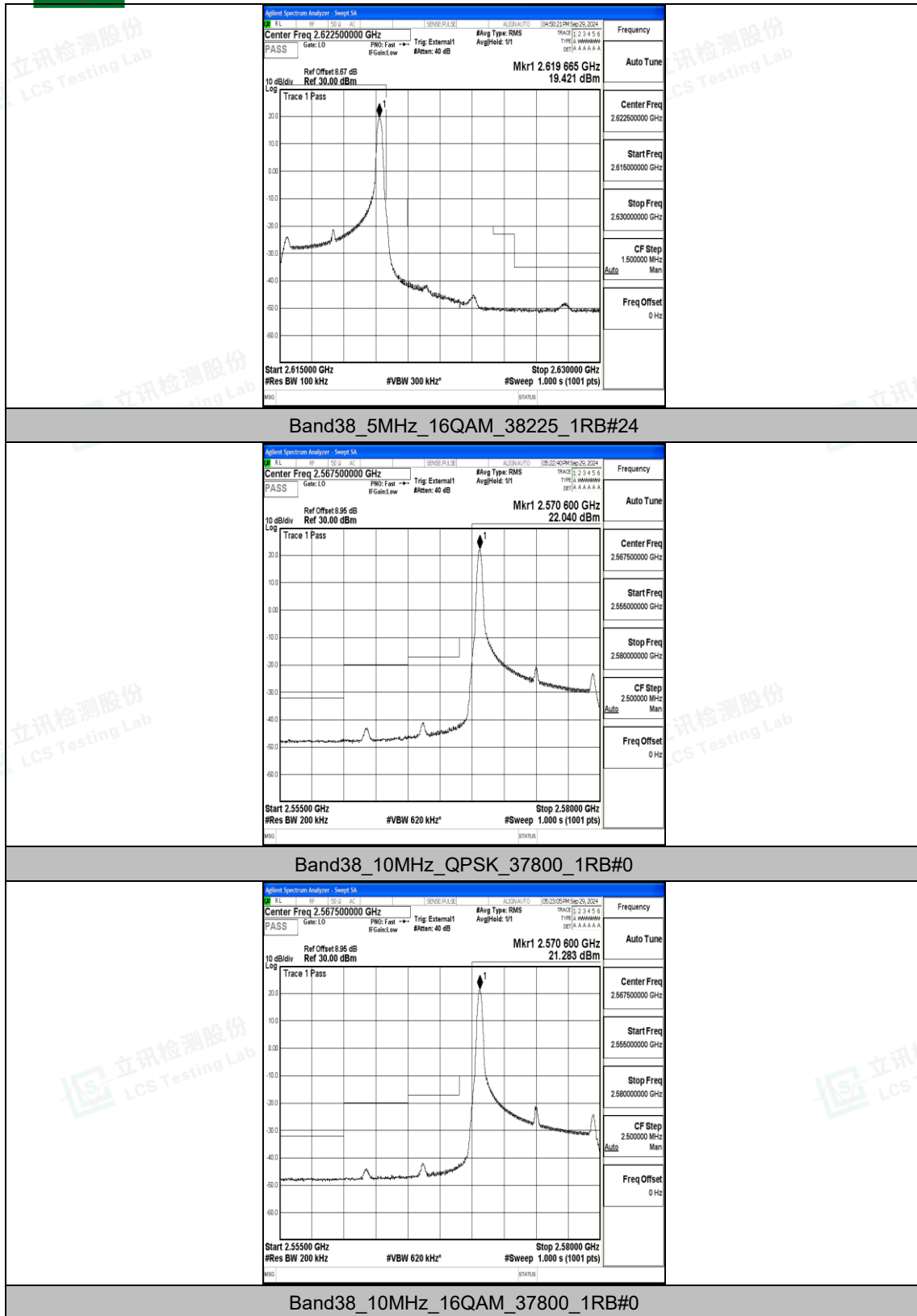


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

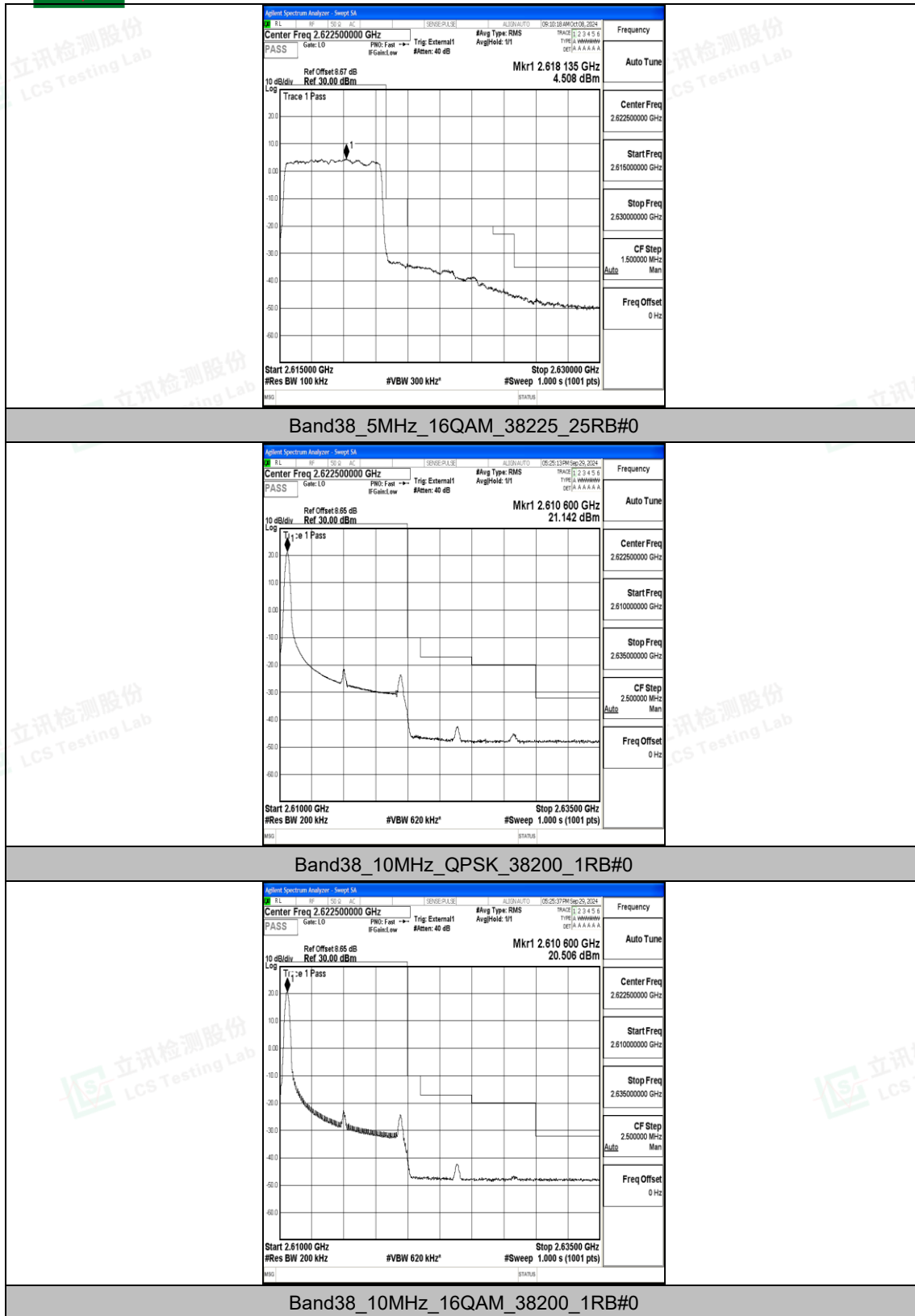


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

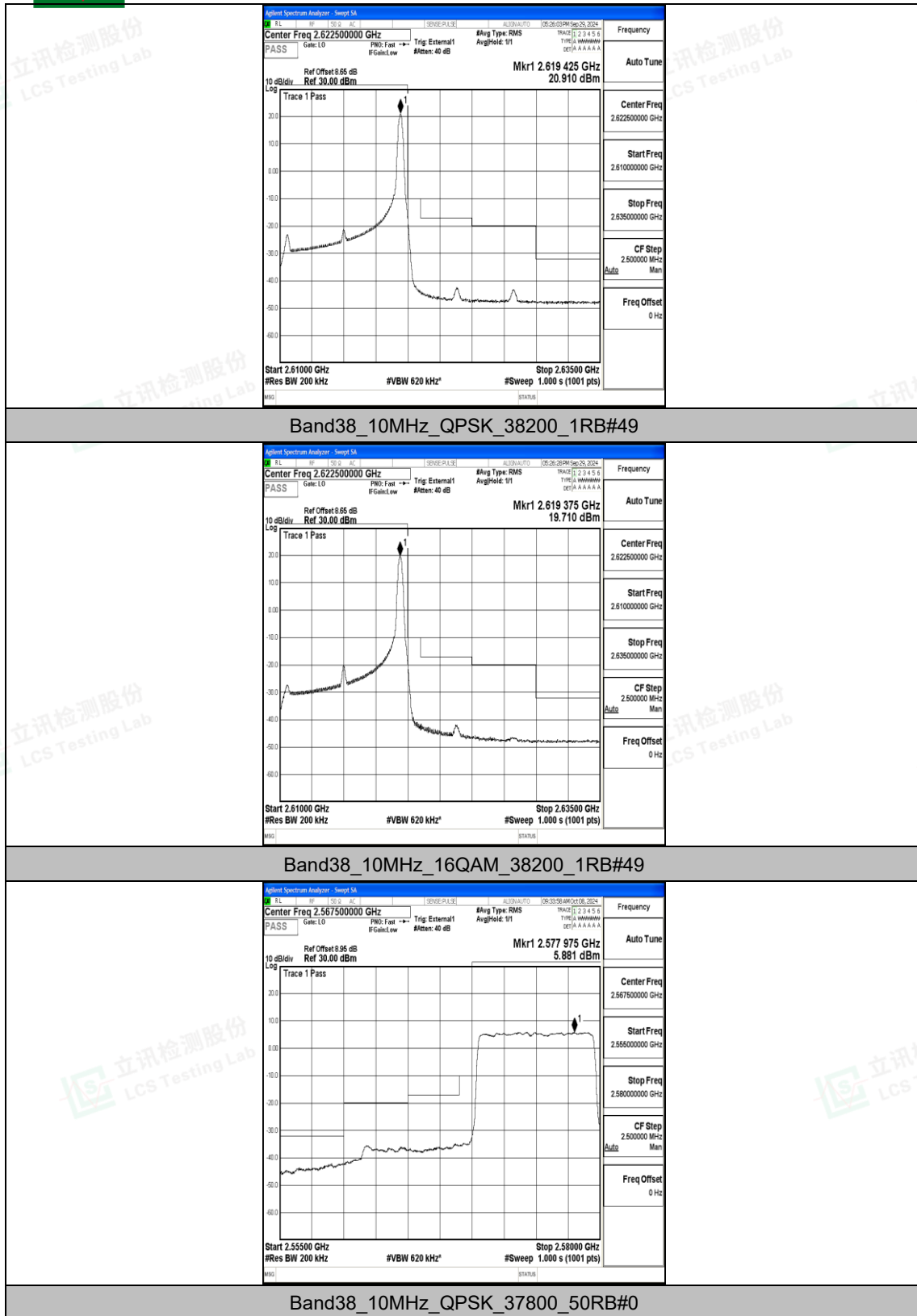


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

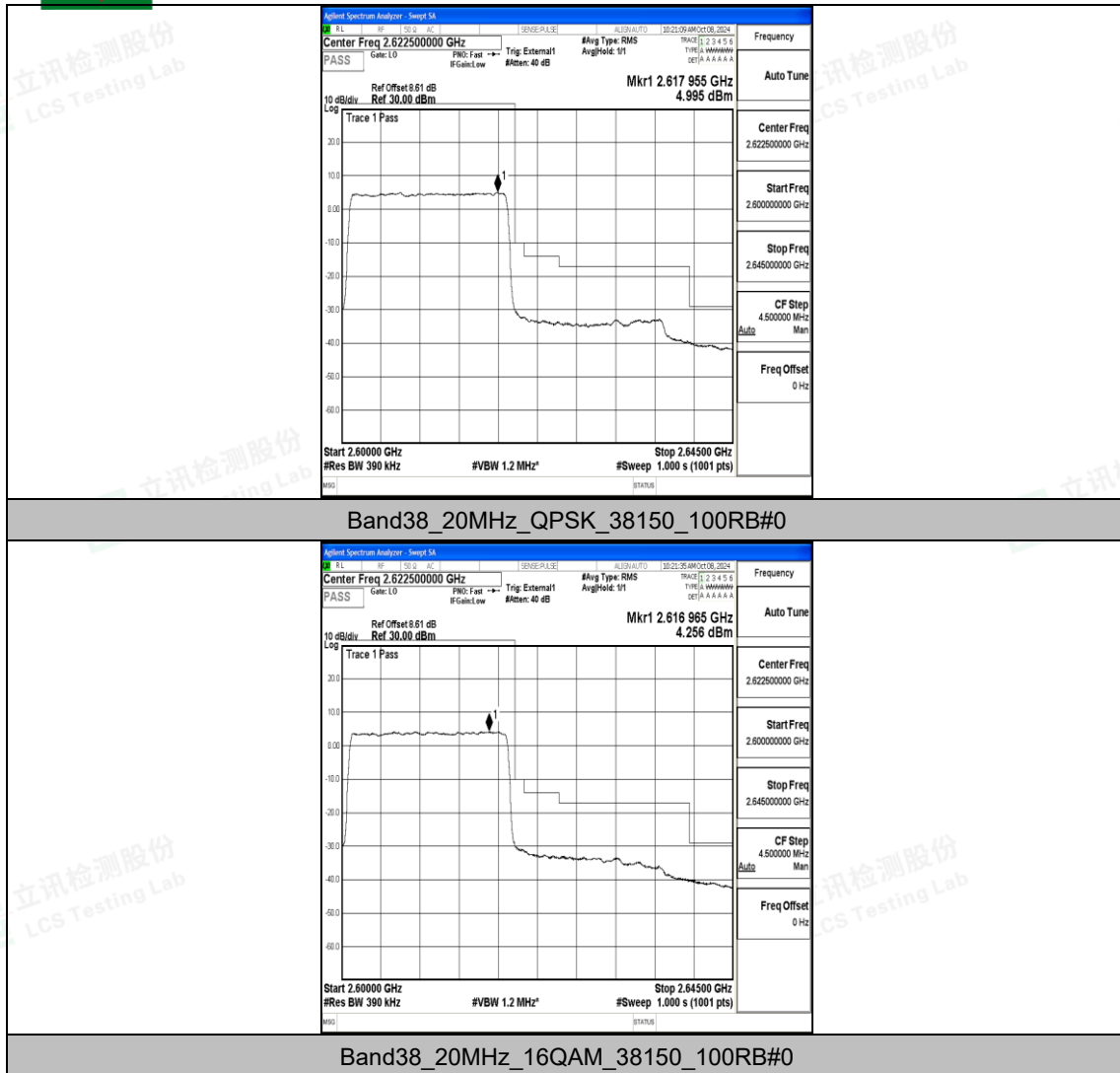


Shenzhen LCS Compliance Testing Laboratory Ltd.

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



N.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	0.15~30	-62.62	PASS
Band38	5MHz	QPSK	37775	1RB#0	30~1000	-62.96	PASS
Band38	5MHz	QPSK	37775	1RB#0	1000~20000	-32.79	PASS
Band38	5MHz	QPSK	37775	1RB#0	20000~27000	-35.55	PASS
Band38	5MHz	16QAM	37775	1RB#0	0.009~0.15	-59.10	PASS
Band38	5MHz	16QAM	37775	1RB#0	0.15~30	-60.31	PASS
Band38	5MHz	16QAM	37775	1RB#0	30~1000	-62.95	PASS
Band38	5MHz	16QAM	37775	1RB#0	1000~20000	-33.31	PASS
Band38	5MHz	16QAM	37775	1RB#0	20000~27000	-35.35	PASS
Band38	5MHz	QPSK	38000	1RB#0	0.009~0.15	-56.06	PASS
Band38	5MHz	QPSK	38000	1RB#0	0.15~30	-58.94	PASS
Band38	5MHz	QPSK	38000	1RB#0	30~1000	-62.84	PASS
Band38	5MHz	QPSK	37775	1RB#0	0.009~0.15	-57.54	PASS
Band38	5MHz	QPSK	38000	1RB#0	1000~20000	-33.43	PASS
Band38	5MHz	QPSK	38000	1RB#0	20000~27000	-35.58	PASS
Band38	5MHz	16QAM	38000	1RB#0	0.009~0.15	-57.40	PASS
Band38	5MHz	16QAM	38000	1RB#0	0.15~30	-61.96	PASS
Band38	5MHz	16QAM	38000	1RB#0	30~1000	-62.65	PASS
Band38	5MHz	16QAM	38000	1RB#0	1000~20000	-33.18	PASS
Band38	5MHz	16QAM	38000	1RB#0	20000~27000	-35.52	PASS
Band38	5MHz	QPSK	38225	1RB#0	0.009~0.15	-56.64	PASS
Band38	5MHz	QPSK	38225	1RB#0	0.15~30	-61.11	PASS
Band38	5MHz	QPSK	38225	1RB#0	30~1000	-62.38	PASS
Band38	5MHz	QPSK	38225	1RB#0	1000~20000	-33.08	PASS
Band38	5MHz	QPSK	38225	1RB#0	20000~27000	-35.47	PASS
Band38	5MHz	16QAM	38225	1RB#0	0.009~0.15	-58.87	PASS
Band38	5MHz	16QAM	38225	1RB#0	0.15~30	-62.62	PASS
Band38	5MHz	16QAM	38225	1RB#0	30~1000	-63.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	1000~20000	-33.22	PASS
Band38	5MHz	16QAM	38225	1RB#0	20000~27000	-35.53	PASS
Band38	10MHz	QPSK	37800	1RB#0	0.009~0.15	-57.16	PASS
Band38	10MHz	QPSK	37800	1RB#0	0.15~30	-60.97	PASS
Band38	10MHz	QPSK	37800	1RB#0	30~1000	-62.94	PASS
Band38	10MHz	QPSK	37800	1RB#0	1000~20000	-33.21	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	QPSK	37800	1RB#0	20000~27000	-35.30	PASS
Band38	10MHz	16QAM	37800	1RB#0	0.009~0.15	-58.59	PASS
Band38	10MHz	16QAM	37800	1RB#0	0.15~30	-59.07	PASS
Band38	10MHz	16QAM	37800	1RB#0	30~1000	-62.82	PASS
Band38	10MHz	16QAM	37800	1RB#0	1000~20000	-33.37	PASS
Band38	10MHz	16QAM	37800	1RB#0	20000~27000	-35.57	PASS
Band38	10MHz	QPSK	38000	1RB#0	0.009~0.15	-56.91	PASS
Band38	10MHz	QPSK	38000	1RB#0	0.15~30	-60.49	PASS
Band38	10MHz	QPSK	38000	1RB#0	30~1000	-62.68	PASS
Band38	10MHz	QPSK	38000	1RB#0	1000~20000	-33.01	PASS
Band38	10MHz	QPSK	38000	1RB#0	20000~27000	-35.59	PASS
Band38	10MHz	16QAM	38000	1RB#0	0.009~0.15	-57.36	PASS
Band38	10MHz	16QAM	38000	1RB#0	0.15~30	-60.93	PASS
Band38	10MHz	16QAM	38000	1RB#0	30~1000	-62.90	PASS
Band38	10MHz	16QAM	38000	1RB#0	1000~20000	-33.25	PASS
Band38	10MHz	16QAM	38000	1RB#0	20000~27000	-35.62	PASS
Band38	10MHz	QPSK	38200	1RB#0	0.009~0.15	-56.60	PASS
Band38	10MHz	QPSK	38200	1RB#0	0.15~30	-61.58	PASS
Band38	10MHz	QPSK	38200	1RB#0	30~1000	-62.81	PASS
Band38	10MHz	QPSK	38200	1RB#0	1000~20000	-33.49	PASS
Band38	10MHz	QPSK	38200	1RB#0	20000~27000	-35.53	PASS
Band38	10MHz	16QAM	38200	1RB#0	0.009~0.15	-57.94	PASS
Band38	10MHz	16QAM	38200	1RB#0	0.15~30	-61.02	PASS
Band38	10MHz	16QAM	38200	1RB#0	30~1000	-62.75	PASS
Band38	10MHz	16QAM	38200	1RB#0	1000~20000	-33.51	PASS
Band38	10MHz	16QAM	38200	1RB#0	20000~27000	-35.43	PASS
Band38	15MHz	QPSK	37825	1RB#0	0.009~0.15	-56.75	PASS
Band38	15MHz	QPSK	37825	1RB#0	0.15~30	-61.33	PASS
Band38	15MHz	QPSK	37825	1RB#0	30~1000	-63.08	PASS
Band38	15MHz	QPSK	37825	1RB#0	1000~20000	-33.23	PASS
Band38	15MHz	QPSK	37825	1RB#0	20000~27000	-35.59	PASS
Band38	15MHz	16QAM	37825	1RB#0	0.009~0.15	-57.53	PASS
Band38	15MHz	16QAM	37825	1RB#0	0.15~30	-60.82	PASS
Band38	15MHz	16QAM	37825	1RB#0	30~1000	-62.83	PASS
Band38	15MHz	16QAM	37825	1RB#0	1000~20000	-33.65	PASS
Band38	15MHz	16QAM	37825	1RB#0	20000~27000	-35.49	PASS
Band38	15MHz	QPSK	38000	1RB#0	0.009~0.15	-57.81	PASS
Band38	15MHz	QPSK	38000	1RB#0	0.15~30	-60.75	PASS
Band38	15MHz	QPSK	38000	1RB#0	30~1000	-62.85	PASS
Band38	15MHz	QPSK	38000	1RB#0	1000~20000	-33.25	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	38000	1RB#0	20000~27000	-35.41	PASS
Band38	15MHz	16QAM	38000	1RB#0	0.009~0.15	-58.61	PASS
Band38	15MHz	16QAM	38000	1RB#0	0.15~30	-61.05	PASS
Band38	15MHz	16QAM	38000	1RB#0	30~1000	-62.67	PASS
Band38	15MHz	16QAM	38000	1RB#0	1000~20000	-33.31	PASS
Band38	15MHz	16QAM	38000	1RB#0	20000~27000	-35.34	PASS
Band38	15MHz	QPSK	38175	1RB#0	0.009~0.15	-58.18	PASS
Band38	15MHz	QPSK	38175	1RB#0	0.15~30	-61.03	PASS
Band38	15MHz	QPSK	38175	1RB#0	30~1000	-63.03	PASS
Band38	15MHz	QPSK	38175	1RB#0	1000~20000	-33.17	PASS
Band38	15MHz	QPSK	38175	1RB#0	20000~27000	-35.59	PASS
Band38	15MHz	16QAM	38175	1RB#0	0.009~0.15	-57.51	PASS
Band38	15MHz	16QAM	38175	1RB#0	0.15~30	-62.29	PASS
Band38	15MHz	16QAM	38175	1RB#0	30~1000	-62.77	PASS
Band38	15MHz	16QAM	38175	1RB#0	1000~20000	-33.18	PASS
Band38	15MHz	16QAM	38175	1RB#0	20000~27000	-35.19	PASS
Band38	20MHz	QPSK	37850	1RB#0	0.009~0.15	-58.19	PASS
Band38	20MHz	QPSK	37850	1RB#0	0.15~30	-58.92	PASS
Band38	20MHz	QPSK	37850	1RB#0	30~1000	-62.03	PASS
Band38	20MHz	QPSK	37850	1RB#0	1000~20000	-33.15	PASS
Band38	20MHz	QPSK	37850	1RB#0	20000~27000	-35.52	PASS
Band38	20MHz	16QAM	37850	1RB#0	0.009~0.15	-57.63	PASS
Band38	20MHz	16QAM	37850	1RB#0	0.15~30	-61.60	PASS
Band38	20MHz	16QAM	37850	1RB#0	30~1000	-62.32	PASS
Band38	20MHz	16QAM	37850	1RB#0	1000~20000	-33.34	PASS
Band38	20MHz	16QAM	37850	1RB#0	20000~27000	-35.62	PASS
Band38	20MHz	QPSK	38000	1RB#0	0.009~0.15	-57.84	PASS
Band38	20MHz	QPSK	38000	1RB#0	0.15~30	-61.01	PASS
Band38	20MHz	QPSK	38000	1RB#0	30~1000	-61.94	PASS
Band38	20MHz	QPSK	38000	1RB#0	1000~20000	-33.15	PASS
Band38	20MHz	QPSK	38000	1RB#0	20000~27000	-35.43	PASS
Band38	20MHz	16QAM	38000	1RB#0	0.009~0.15	-58.47	PASS
Band38	20MHz	16QAM	38000	1RB#0	0.15~30	-62.13	PASS
Band38	20MHz	16QAM	38000	1RB#0	30~1000	-61.94	PASS
Band38	20MHz	16QAM	38000	1RB#0	1000~20000	-32.85	PASS
Band38	20MHz	16QAM	38000	1RB#0	20000~27000	-35.13	PASS
Band38	20MHz	QPSK	38150	1RB#0	0.009~0.15	-58.99	PASS
Band38	20MHz	QPSK	38150	1RB#0	0.15~30	-62.83	PASS
Band38	20MHz	QPSK	38150	1RB#0	30~1000	-62.14	PASS
Band38	20MHz	QPSK	38150	1RB#0	1000~20000	-32.99	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	38150	1RB#0	20000~27000	-35.07	PASS
Band38	20MHz	16QAM	38150	1RB#0	0.009~0.15	-57.99	PASS
Band38	20MHz	16QAM	38150	1RB#0	0.15~30	-58.36	PASS
Band38	20MHz	16QAM	38150	1RB#0	30~1000	-62.07	PASS
Band38	20MHz	16QAM	38150	1RB#0	1000~20000	-33.30	PASS
Band38	20MHz	16QAM	38150	1RB#0	20000~27000	-35.26	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