



Appendix I: Test Data for E-UTRA Band 41

Product Name: Smart POS

Test Model: WIZARPOS Q3B

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
Supervised by:	Ling Zhu



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



I.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	22.02	PASS
Band41	5MHz	16QAM	39675	1RB#0	21.33	PASS
Band41	5MHz	QPSK	39675	1RB#12	22.05	PASS
Band41	5MHz	16QAM	39675	1RB#12	21.34	PASS
Band41	5MHz	QPSK	39675	1RB#24	21.87	PASS
Band41	5MHz	16QAM	39675	1RB#24	21.23	PASS
Band41	5MHz	QPSK	39675	12RB#0	20.95	PASS
Band41	5MHz	16QAM	39675	12RB#0	20.33	PASS
Band41	5MHz	QPSK	39675	12RB#6	21.05	PASS
Band41	5MHz	16QAM	39675	12RB#6	20.47	PASS
Band41	5MHz	QPSK	39675	12RB#13	21.15	PASS
Band41	5MHz	16QAM	39675	12RB#13	20.41	PASS
Band41	5MHz	QPSK	39675	25RB#0	21.18	PASS
Band41	5MHz	16QAM	39675	25RB#0	20.68	PASS
Band41	5MHz	QPSK	40620	1RB#0	22.03	PASS
Band41	5MHz	16QAM	40620	1RB#0	21.45	PASS
Band41	5MHz	QPSK	40620	1RB#12	21.93	PASS
Band41	5MHz	16QAM	40620	1RB#12	21.44	PASS
Band41	5MHz	QPSK	40620	1RB#24	22.00	PASS
Band41	5MHz	16QAM	40620	1RB#24	21.31	PASS
Band41	5MHz	QPSK	40620	12RB#0	20.99	PASS
Band41	5MHz	16QAM	40620	12RB#0	20.37	PASS
Band41	5MHz	QPSK	40620	12RB#6	21.01	PASS
Band41	5MHz	16QAM	40620	12RB#6	20.38	PASS
Band41	5MHz	QPSK	40620	12RB#13	20.94	PASS
Band41	5MHz	16QAM	40620	12RB#13	20.29	PASS
Band41	5MHz	QPSK	40620	25RB#0	20.85	PASS
Band41	5MHz	16QAM	40620	25RB#0	20.40	PASS
Band41	5MHz	QPSK	41565	1RB#0	21.53	PASS
Band41	5MHz	16QAM	41565	1RB#0	20.88	PASS
Band41	5MHz	QPSK	41565	1RB#12	21.59	PASS
Band41	5MHz	16QAM	41565	1RB#12	20.82	PASS
Band41	5MHz	QPSK	41565	1RB#24	21.59	PASS
Band41	5MHz	16QAM	41565	1RB#24	20.83	PASS
Band41	5MHz	QPSK	41565	12RB#0	20.48	PASS
Band41	5MHz	16QAM	41565	12RB#0	19.78	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



Band41	5MHz	QPSK	41565	12RB#6	20.50	PASS
Band41	5MHz	16QAM	41565	12RB#6	19.79	PASS
Band41	5MHz	QPSK	41565	12RB#13	20.44	PASS
Band41	5MHz	16QAM	41565	12RB#13	19.71	PASS
Band41	5MHz	QPSK	41565	25RB#0	20.50	PASS
Band41	5MHz	16QAM	41565	25RB#0	19.82	PASS
Band41	10MHz	QPSK	39700	1RB#0	21.76	PASS
Band41	10MHz	16QAM	39700	1RB#0	21.41	PASS
Band41	10MHz	QPSK	39700	1RB#24	21.60	PASS
Band41	10MHz	16QAM	39700	1RB#24	21.19	PASS
Band41	10MHz	QPSK	39700	1RB#49	21.52	PASS
Band41	10MHz	16QAM	39700	1RB#49	21.19	PASS
Band41	10MHz	QPSK	39700	25RB#0	20.86	PASS
Band41	10MHz	16QAM	39700	25RB#0	20.25	PASS
Band41	10MHz	QPSK	39700	25RB#12	20.87	PASS
Band41	10MHz	16QAM	39700	25RB#12	20.25	PASS
Band41	10MHz	QPSK	39700	25RB#25	20.67	PASS
Band41	10MHz	16QAM	39700	25RB#25	20.14	PASS
Band41	10MHz	QPSK	39700	50RB#0	20.74	PASS
Band41	10MHz	16QAM	39700	50RB#0	20.14	PASS
Band41	10MHz	QPSK	40620	1RB#0	22.26	PASS
Band41	10MHz	16QAM	40620	1RB#0	21.79	PASS
Band41	10MHz	QPSK	40620	1RB#24	22.06	PASS
Band41	10MHz	16QAM	40620	1RB#24	21.80	PASS
Band41	10MHz	QPSK	40620	1RB#49	22.08	PASS
Band41	10MHz	16QAM	40620	1RB#49	21.73	PASS
Band41	10MHz	QPSK	40620	25RB#0	21.14	PASS
Band41	10MHz	16QAM	40620	25RB#0	20.36	PASS
Band41	10MHz	QPSK	40620	25RB#12	21.05	PASS
Band41	10MHz	16QAM	40620	25RB#12	20.37	PASS
Band41	10MHz	QPSK	40620	25RB#25	21.04	PASS
Band41	10MHz	16QAM	40620	25RB#25	20.28	PASS
Band41	10MHz	QPSK	40620	50RB#0	21.01	PASS
Band41	10MHz	16QAM	40620	50RB#0	20.43	PASS
Band41	10MHz	QPSK	41540	1RB#0	21.63	PASS
Band41	10MHz	16QAM	41540	1RB#0	21.05	PASS
Band41	10MHz	QPSK	41540	1RB#24	21.67	PASS
Band41	10MHz	16QAM	41540	1RB#24	21.11	PASS
Band41	10MHz	QPSK	41540	1RB#49	21.72	PASS
Band41	10MHz	16QAM	41540	1RB#49	21.06	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



Band41	10MHz	QPSK	41540	25RB#0	20.48	PASS
Band41	10MHz	16QAM	41540	25RB#0	19.87	PASS
Band41	10MHz	QPSK	41540	25RB#12	20.49	PASS
Band41	10MHz	16QAM	41540	25RB#12	19.87	PASS
Band41	10MHz	QPSK	41540	25RB#25	20.63	PASS
Band41	10MHz	16QAM	41540	25RB#25	19.85	PASS
Band41	10MHz	QPSK	41540	50RB#0	20.56	PASS
Band41	10MHz	16QAM	41540	50RB#0	19.92	PASS
Band41	15MHz	QPSK	39725	1RB#0	22.12	PASS
Band41	15MHz	16QAM	39725	1RB#0	21.77	PASS
Band41	15MHz	QPSK	39725	1RB#38	22.11	PASS
Band41	15MHz	16QAM	39725	1RB#38	21.72	PASS
Band41	15MHz	QPSK	39725	1RB#74	21.91	PASS
Band41	15MHz	16QAM	39725	1RB#74	20.99	PASS
Band41	15MHz	QPSK	39725	38RB#0	20.70	PASS
Band41	15MHz	16QAM	39725	38RB#0	20.70	PASS
Band41	15MHz	QPSK	39725	38RB#18	20.70	PASS
Band41	15MHz	16QAM	39725	38RB#18	20.70	PASS
Band41	15MHz	QPSK	39725	38RB#37	20.70	PASS
Band41	15MHz	16QAM	39725	38RB#37	20.69	PASS
Band41	15MHz	QPSK	39725	75RB#0	20.69	PASS
Band41	15MHz	16QAM	39725	75RB#0	20.21	PASS
Band41	15MHz	QPSK	40620	1RB#0	22.23	PASS
Band41	15MHz	16QAM	40620	1RB#0	21.92	PASS
Band41	15MHz	QPSK	40620	1RB#38	22.14	PASS
Band41	15MHz	16QAM	40620	1RB#38	21.83	PASS
Band41	15MHz	QPSK	40620	1RB#74	22.05	PASS
Band41	15MHz	16QAM	40620	1RB#74	21.65	PASS
Band41	15MHz	QPSK	40620	38RB#0	20.98	PASS
Band41	15MHz	16QAM	40620	38RB#0	20.98	PASS
Band41	15MHz	QPSK	40620	38RB#18	20.98	PASS
Band41	15MHz	16QAM	40620	38RB#18	20.98	PASS
Band41	15MHz	QPSK	40620	38RB#37	20.98	PASS
Band41	15MHz	16QAM	40620	38RB#37	20.98	PASS
Band41	15MHz	QPSK	40620	75RB#0	20.98	PASS
Band41	15MHz	16QAM	40620	75RB#0	20.47	PASS
Band41	15MHz	QPSK	41515	1RB#0	21.69	PASS
Band41	15MHz	16QAM	41515	1RB#0	21.14	PASS
Band41	15MHz	QPSK	41515	1RB#38	21.58	PASS
Band41	15MHz	16QAM	41515	1RB#38	21.11	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



Band41	15MHz	QPSK	41515	1RB#74	21.72	PASS
Band41	15MHz	16QAM	41515	1RB#74	21.19	PASS
Band41	15MHz	QPSK	41515	38RB#0	20.58	PASS
Band41	15MHz	16QAM	41515	38RB#0	20.58	PASS
Band41	15MHz	QPSK	41515	38RB#18	20.58	PASS
Band41	15MHz	16QAM	41515	38RB#18	20.58	PASS
Band41	15MHz	QPSK	41515	38RB#37	20.58	PASS
Band41	15MHz	16QAM	41515	38RB#37	20.58	PASS
Band41	15MHz	QPSK	41515	75RB#0	20.58	PASS
Band41	15MHz	16QAM	41515	75RB#0	19.91	PASS
Band41	20MHz	QPSK	39750	1RB#0	21.78	PASS
Band41	20MHz	16QAM	39750	1RB#0	21.49	PASS
Band41	20MHz	QPSK	39750	1RB#49	21.52	PASS
Band41	20MHz	16QAM	39750	1RB#49	21.21	PASS
Band41	20MHz	QPSK	39750	1RB#99	21.60	PASS
Band41	20MHz	16QAM	39750	1RB#99	21.36	PASS
Band41	20MHz	QPSK	39750	50RB#0	20.77	PASS
Band41	20MHz	16QAM	39750	50RB#0	20.23	PASS
Band41	20MHz	QPSK	39750	50RB#25	20.68	PASS
Band41	20MHz	16QAM	39750	50RB#25	20.23	PASS
Band41	20MHz	QPSK	39750	50RB#50	20.56	PASS
Band41	20MHz	16QAM	39750	50RB#50	20.02	PASS
Band41	20MHz	QPSK	39750	100RB#0	20.61	PASS
Band41	20MHz	16QAM	39750	100RB#0	20.13	PASS
Band41	20MHz	QPSK	40620	1RB#0	22.23	PASS
Band41	20MHz	16QAM	40620	1RB#0	22.06	PASS
Band41	20MHz	QPSK	40620	1RB#49	22.10	PASS
Band41	20MHz	16QAM	40620	1RB#49	22.03	PASS
Band41	20MHz	QPSK	40620	1RB#99	21.96	PASS
Band41	20MHz	16QAM	40620	1RB#99	21.70	PASS
Band41	20MHz	QPSK	40620	50RB#0	21.15	PASS
Band41	20MHz	16QAM	40620	50RB#0	20.63	PASS
Band41	20MHz	QPSK	40620	50RB#25	21.17	PASS
Band41	20MHz	16QAM	40620	50RB#25	20.64	PASS
Band41	20MHz	QPSK	40620	50RB#50	20.99	PASS
Band41	20MHz	16QAM	40620	50RB#50	20.39	PASS
Band41	20MHz	QPSK	40620	100RB#0	20.96	PASS
Band41	20MHz	16QAM	40620	100RB#0	20.33	PASS
Band41	20MHz	QPSK	41490	1RB#0	21.65	PASS
Band41	20MHz	16QAM	41490	1RB#0	21.19	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



Band41	20MHz	QPSK	41490	1RB#49	21.59	PASS
Band41	20MHz	16QAM	41490	1RB#49	21.23	PASS
Band41	20MHz	QPSK	41490	1RB#99	21.74	PASS
Band41	20MHz	16QAM	41490	1RB#99	21.38	PASS
Band41	20MHz	QPSK	41490	50RB#0	20.53	PASS
Band41	20MHz	16QAM	41490	50RB#0	20.06	PASS
Band41	20MHz	QPSK	41490	50RB#25	20.55	PASS
Band41	20MHz	16QAM	41490	50RB#25	20.07	PASS
Band41	20MHz	QPSK	41490	50RB#50	20.47	PASS
Band41	20MHz	16QAM	41490	50RB#50	20.02	PASS
Band41	20MHz	QPSK	41490	100RB#0	20.63	PASS
Band41	20MHz	16QAM	41490	100RB#0	19.92	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



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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	16QAM	39675	25RB#0	7.93	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	10.94	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	7.42	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	10.26	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	11.41	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	9.92	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	9.57	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	10.74	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	7.61	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.49	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	9.74	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.82	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.84	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.85	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	7.85	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	10.47	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	9.02	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	9.24	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.47	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	9.22	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	10.68	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	9.48	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	7.99	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	7.04	13	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

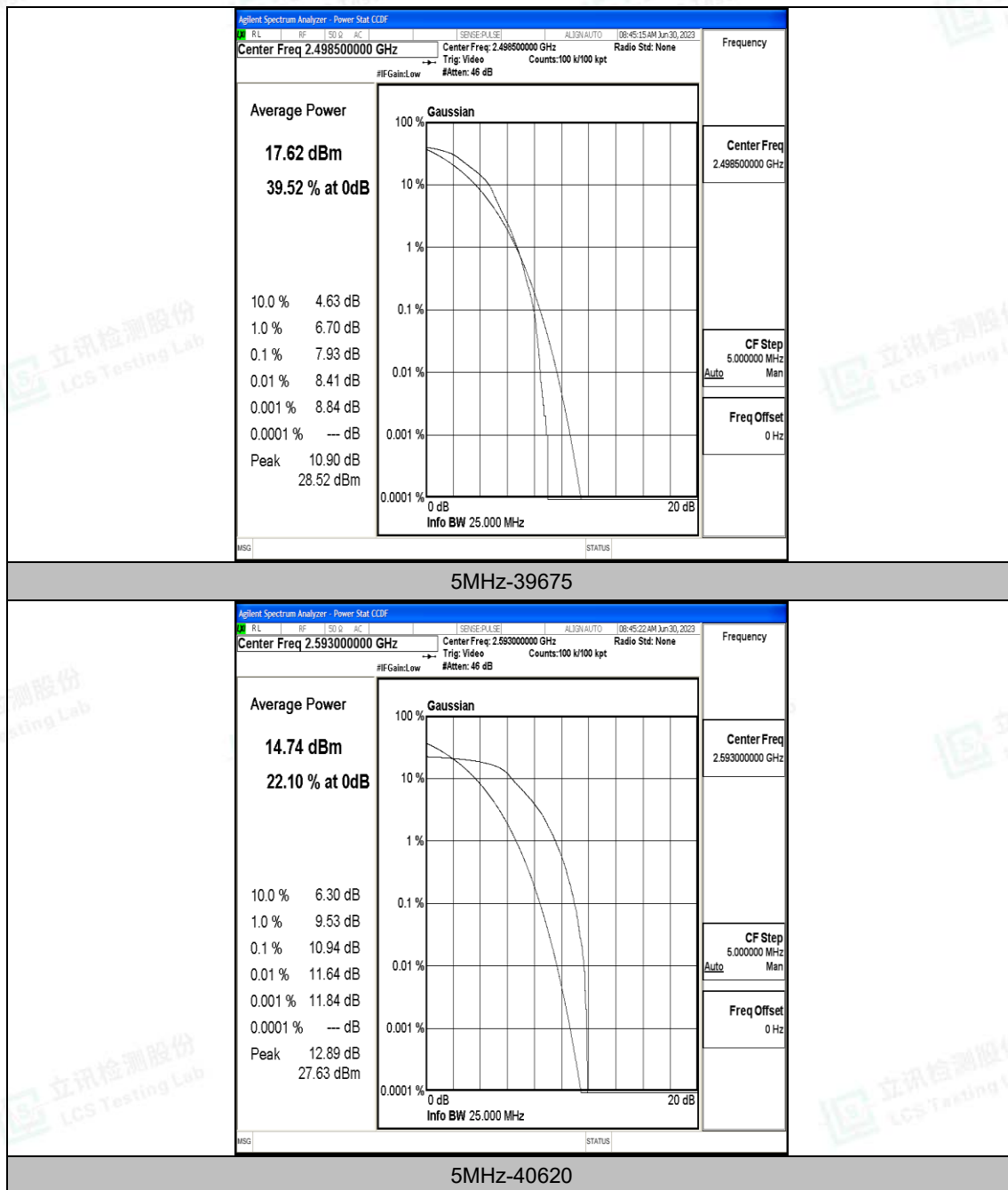
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

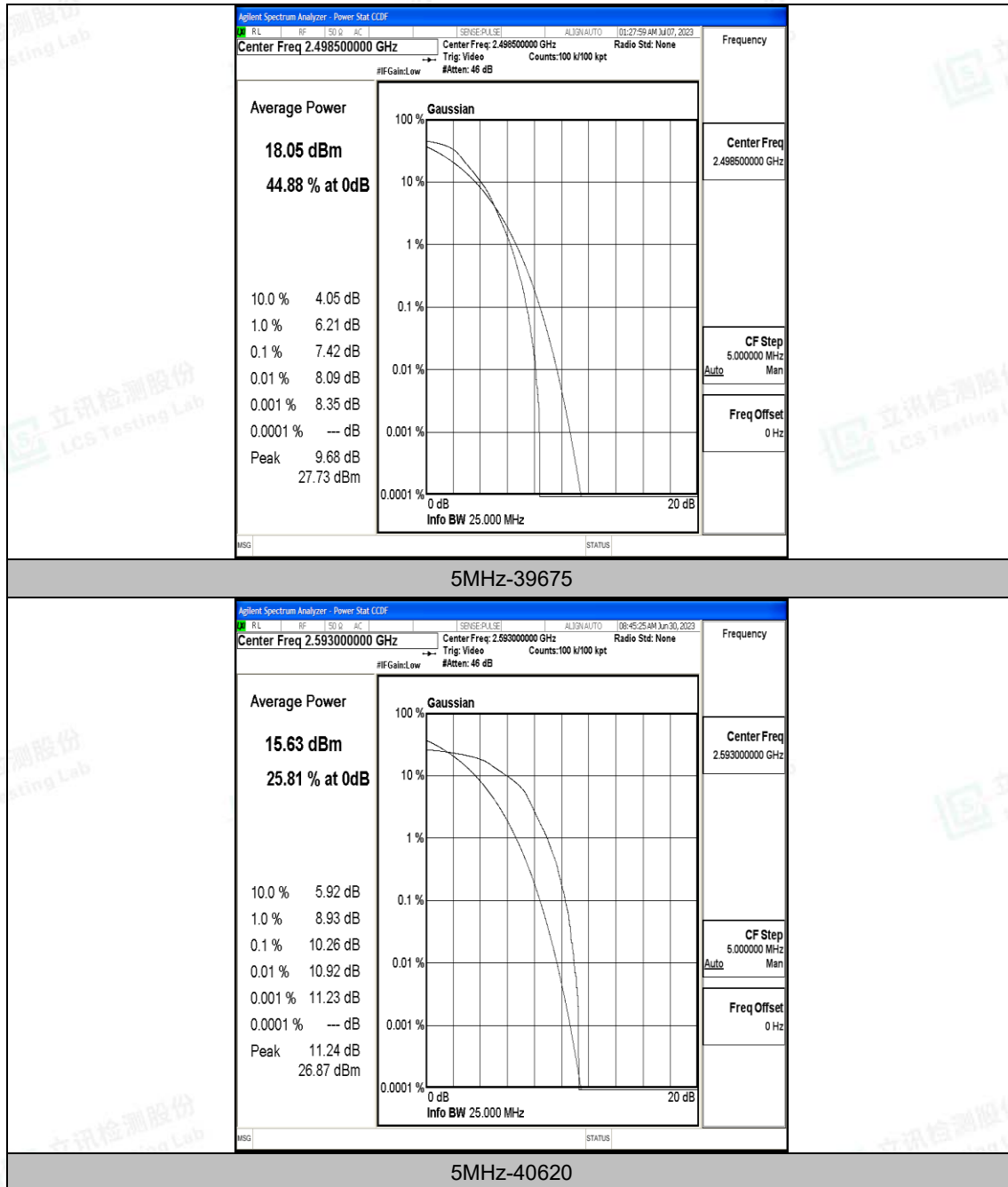
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

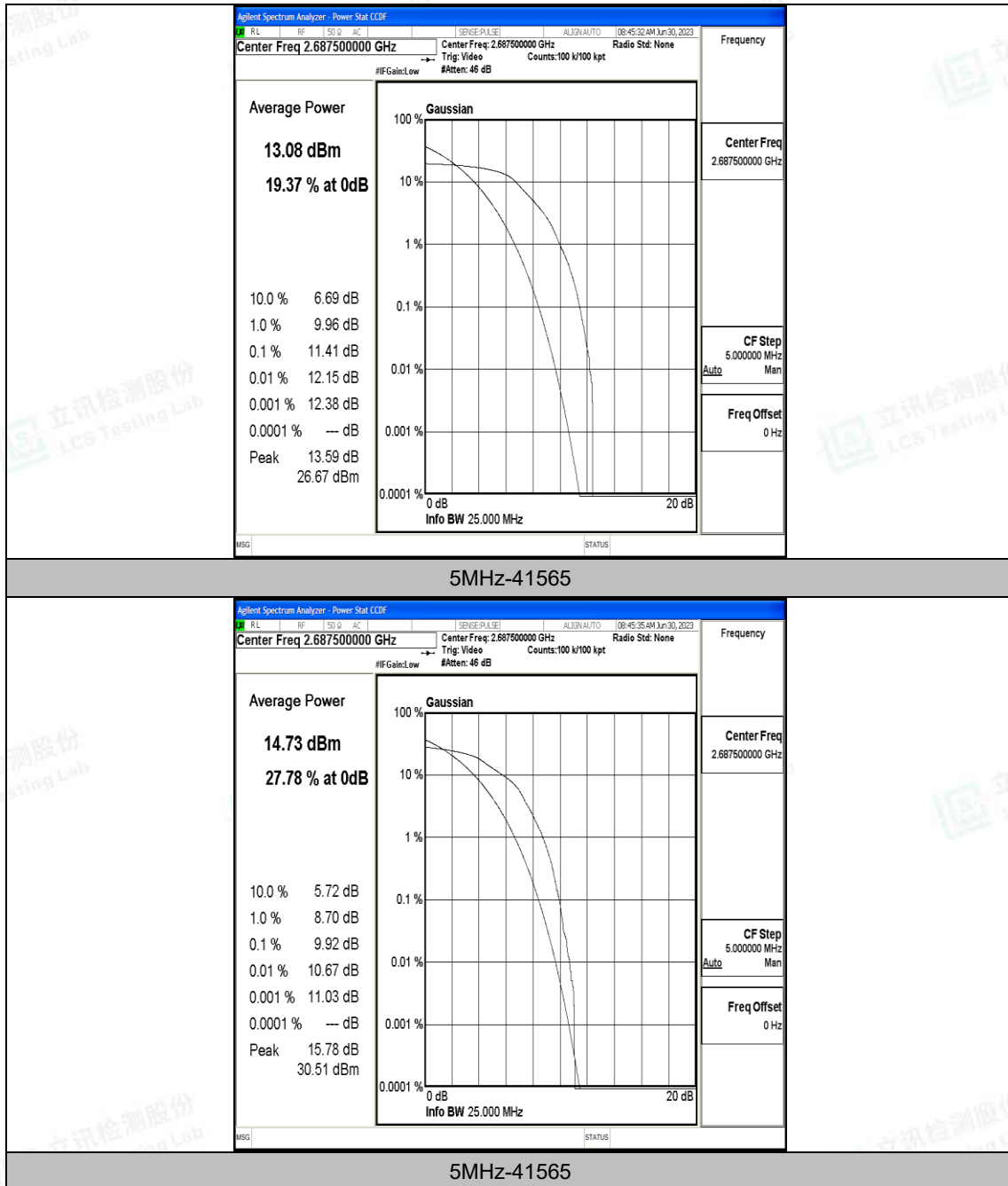
Scan code to check authenticity

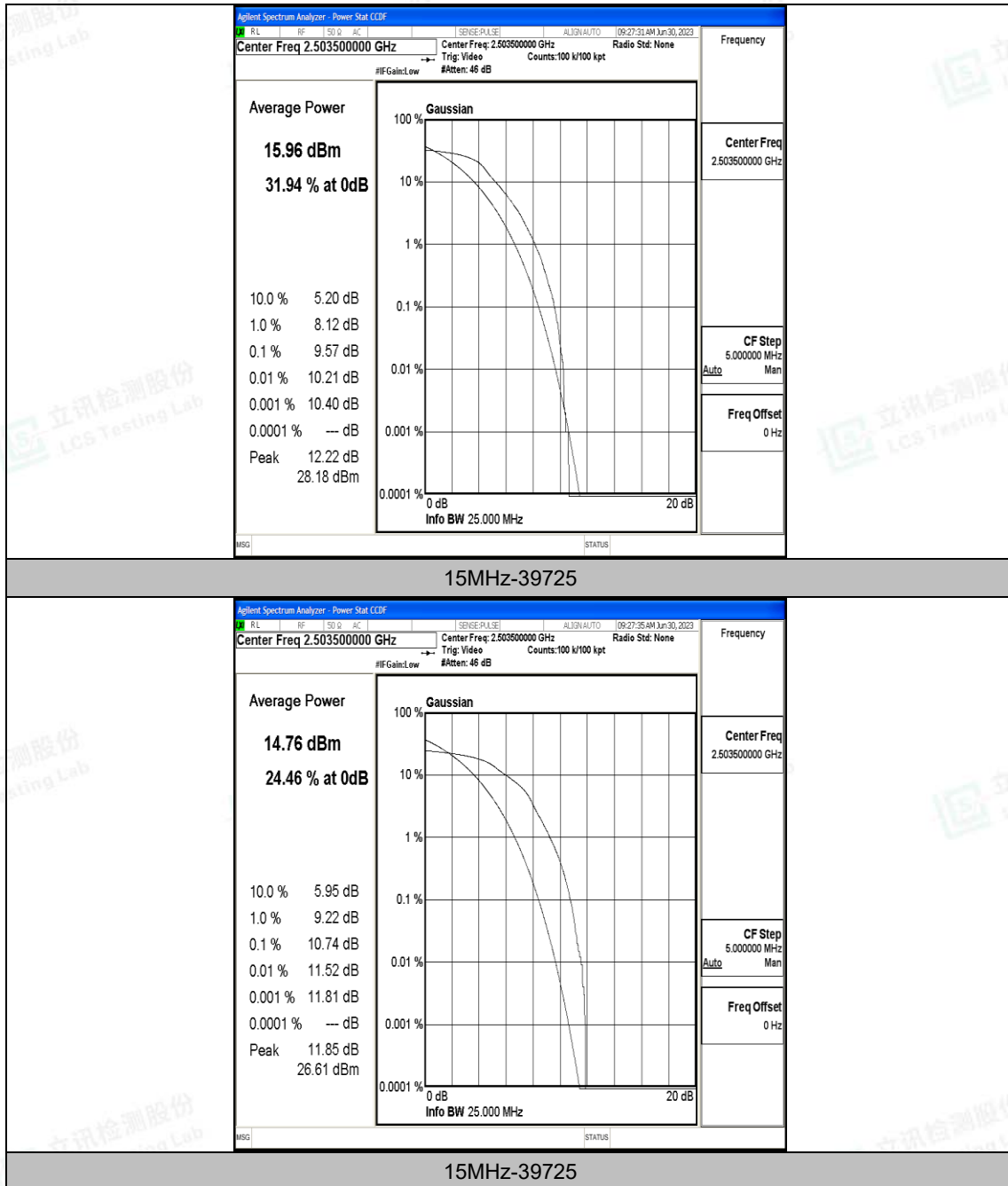


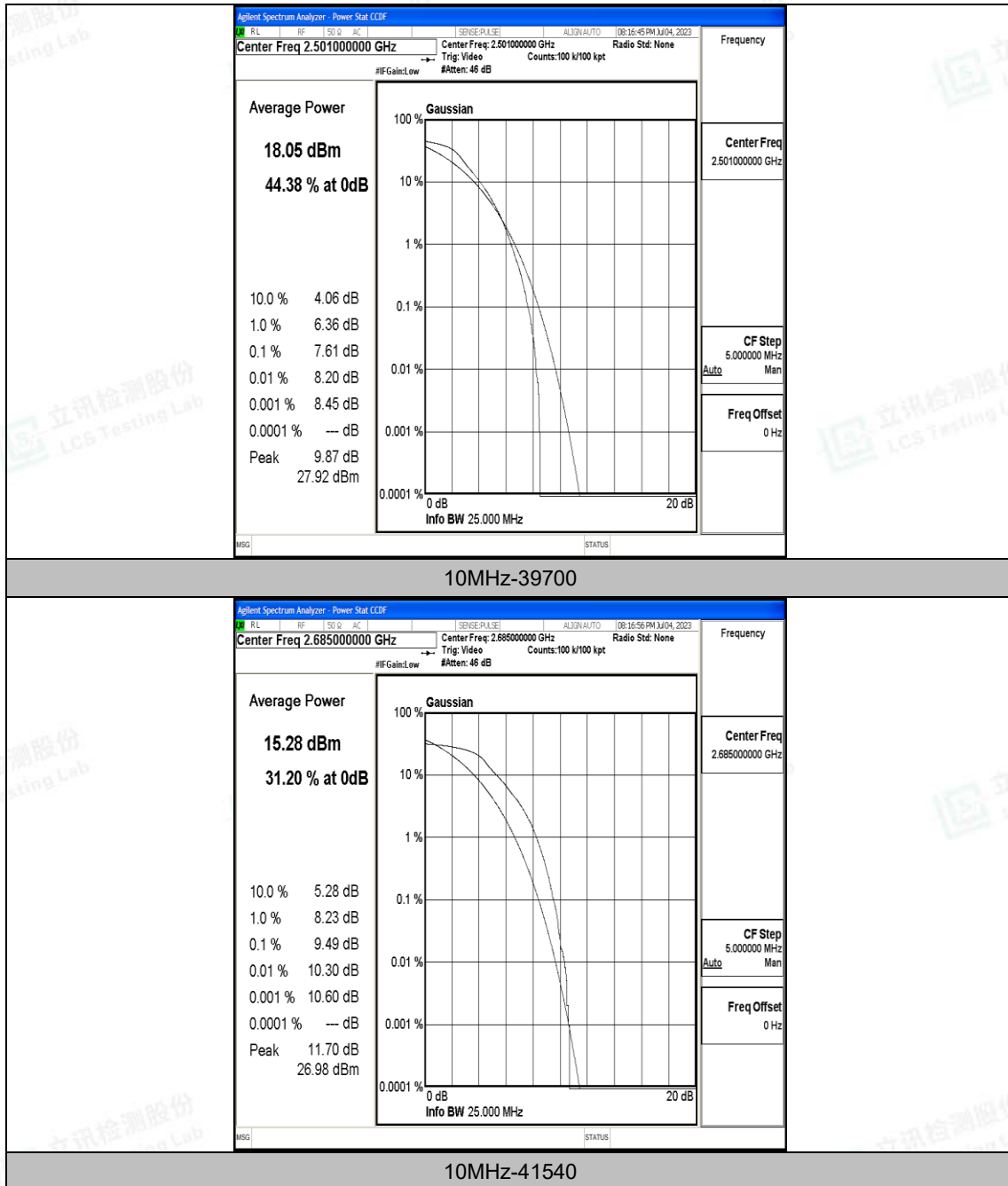
Test Graphs

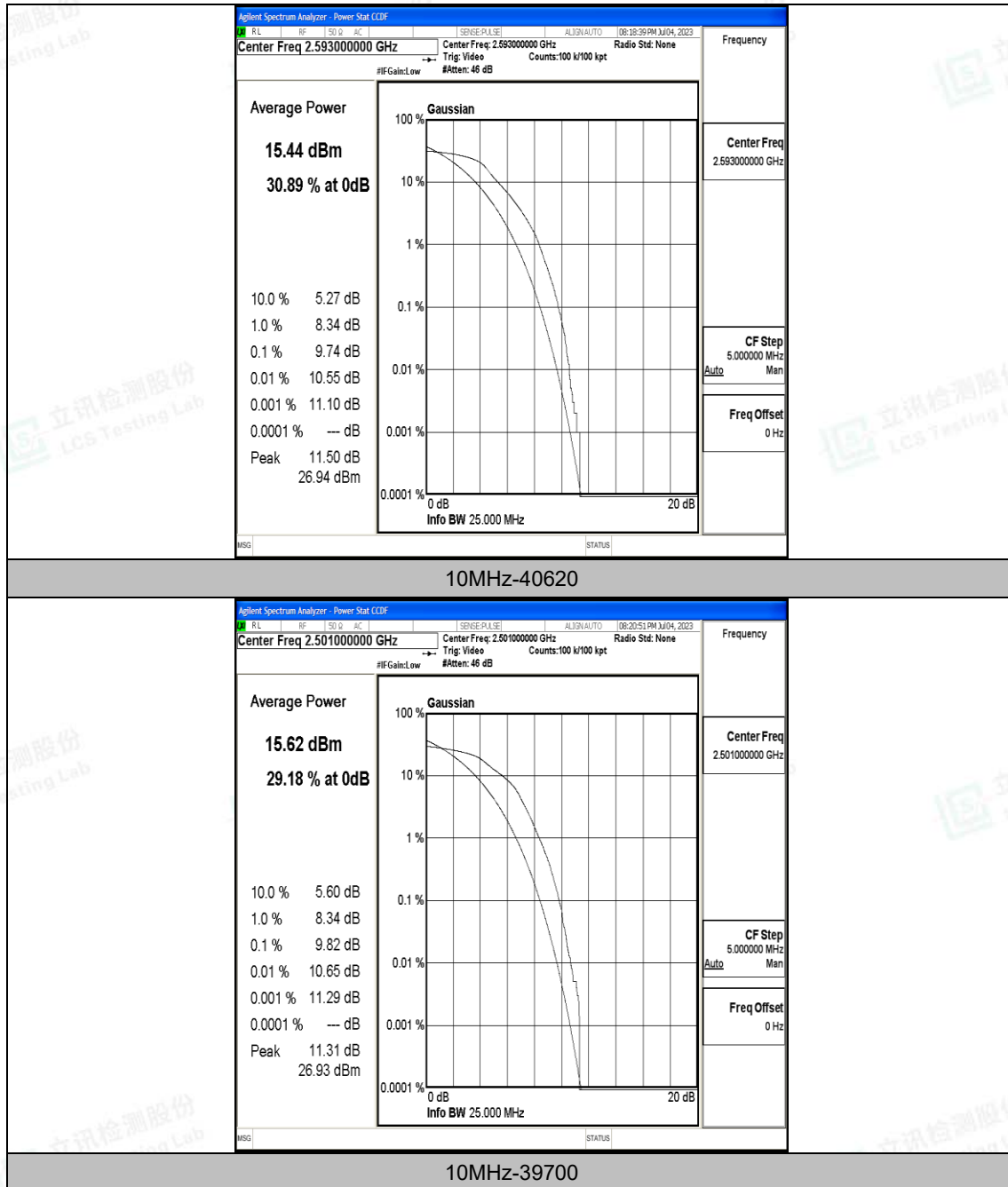


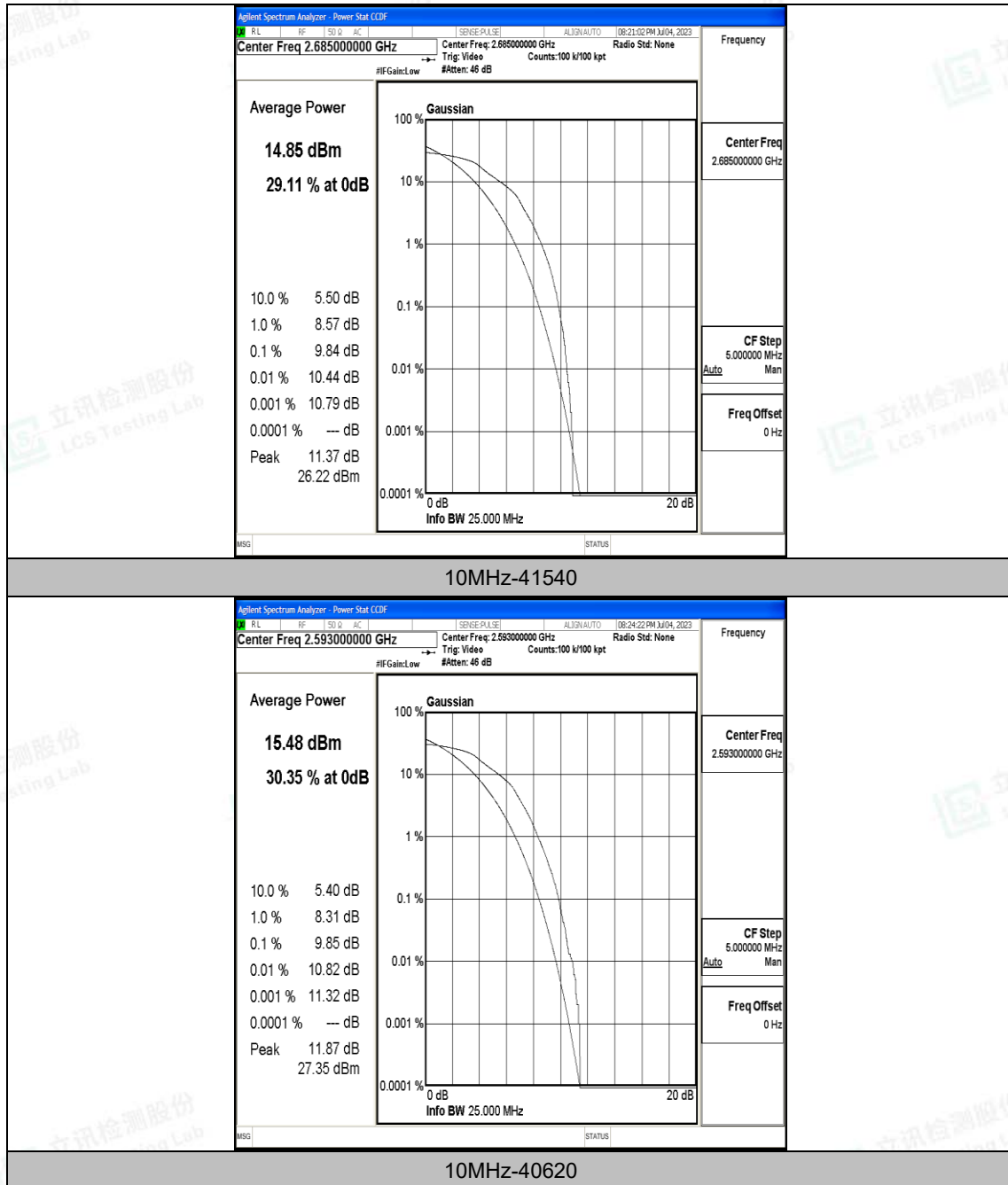


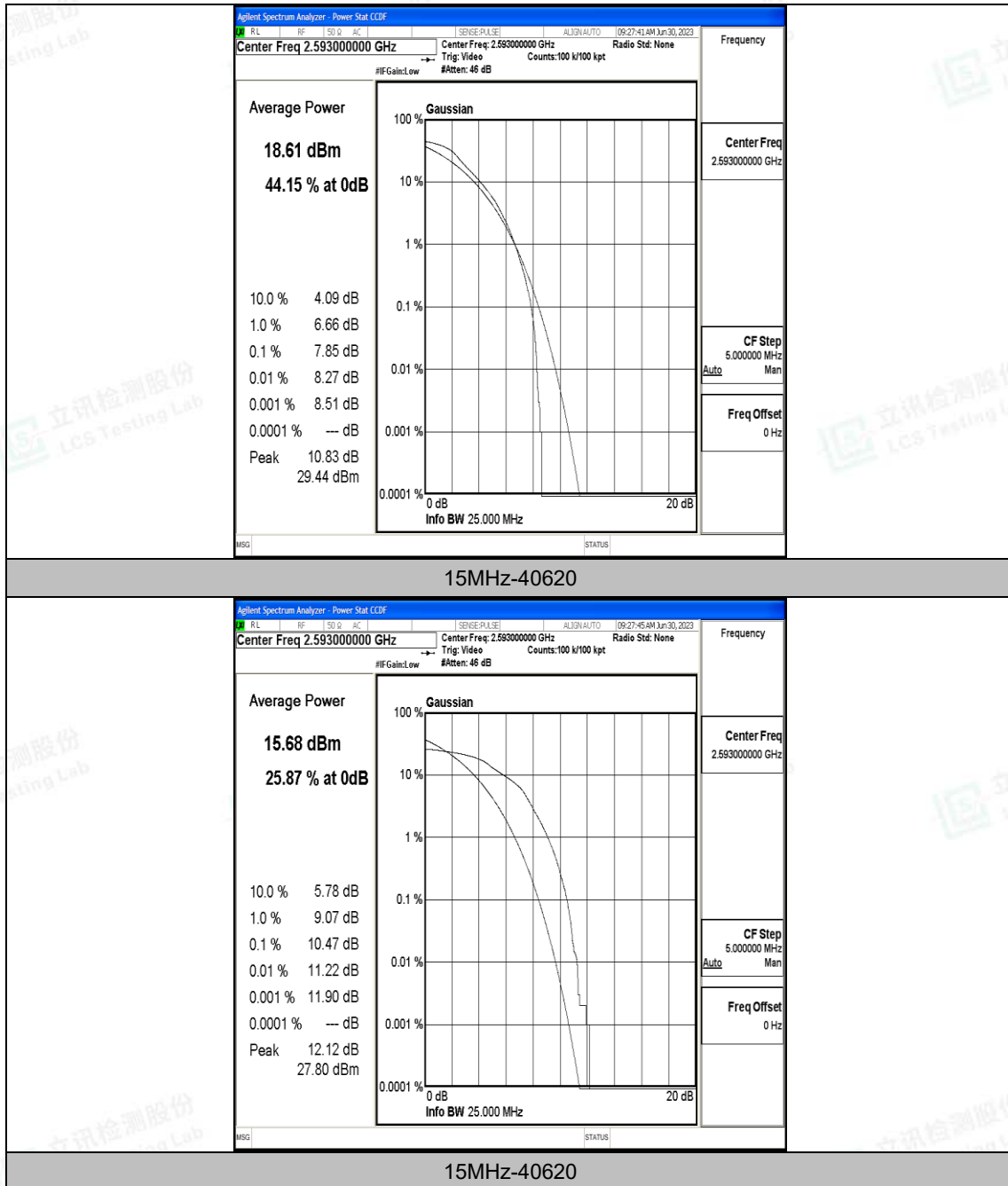


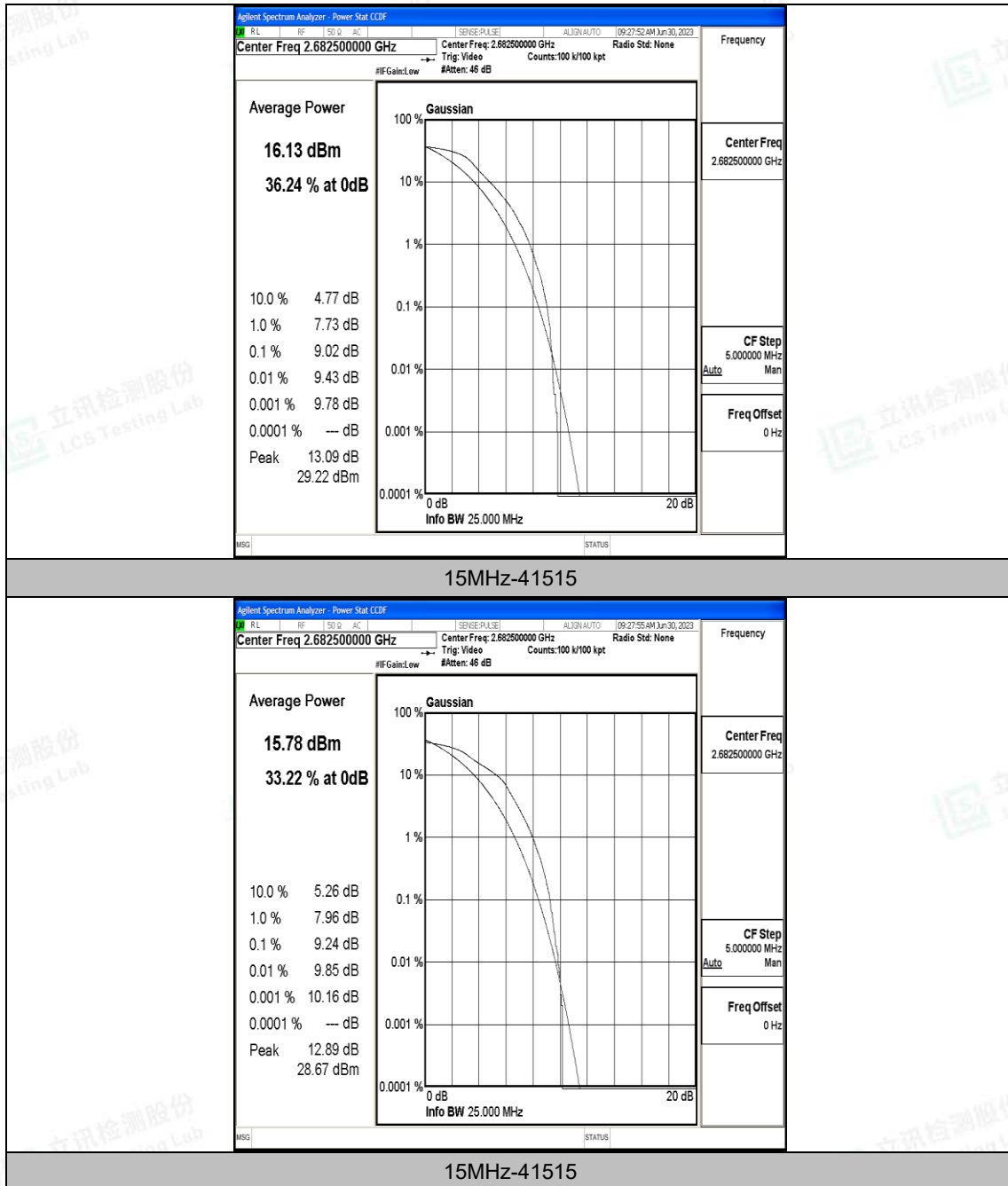


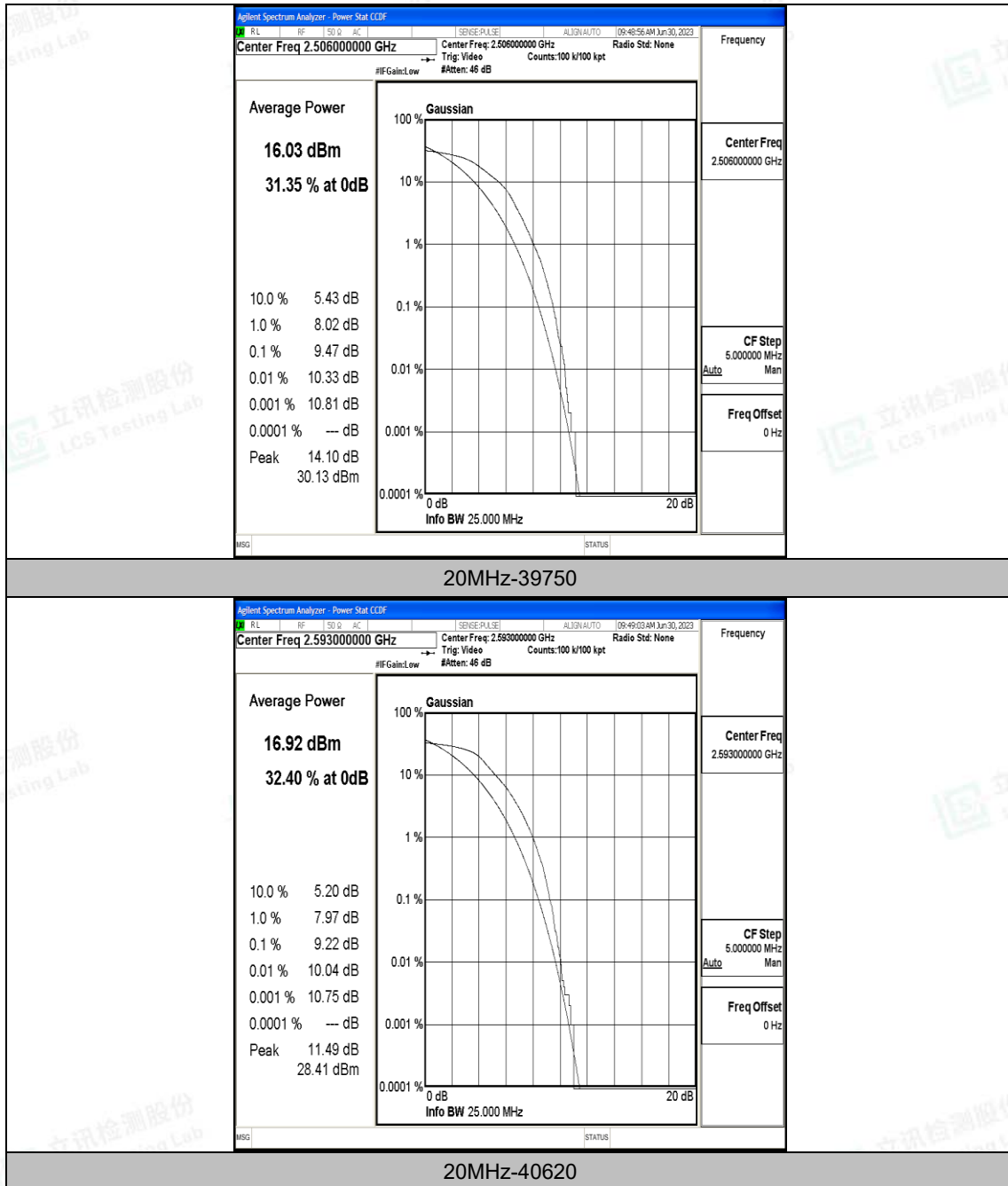


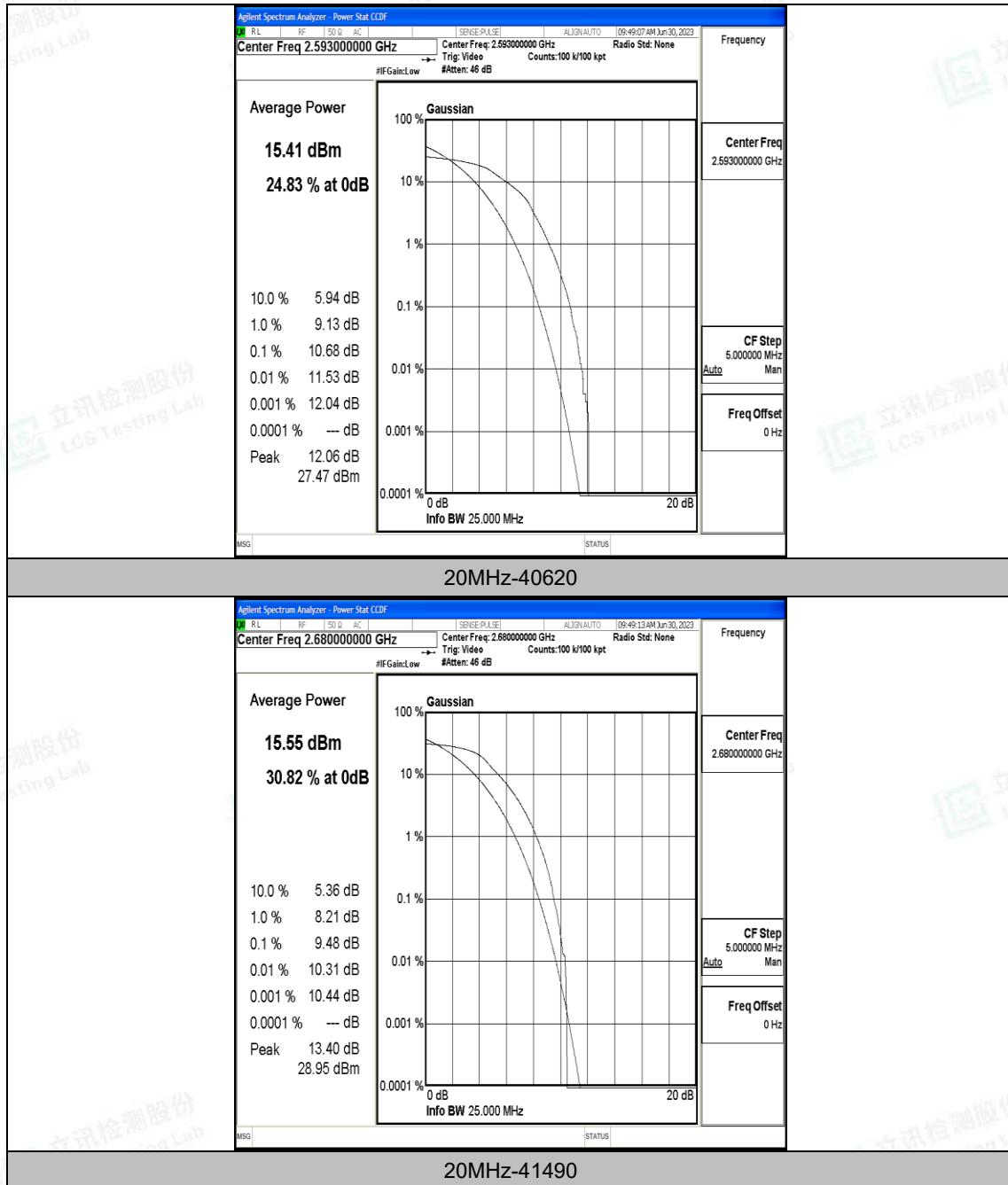










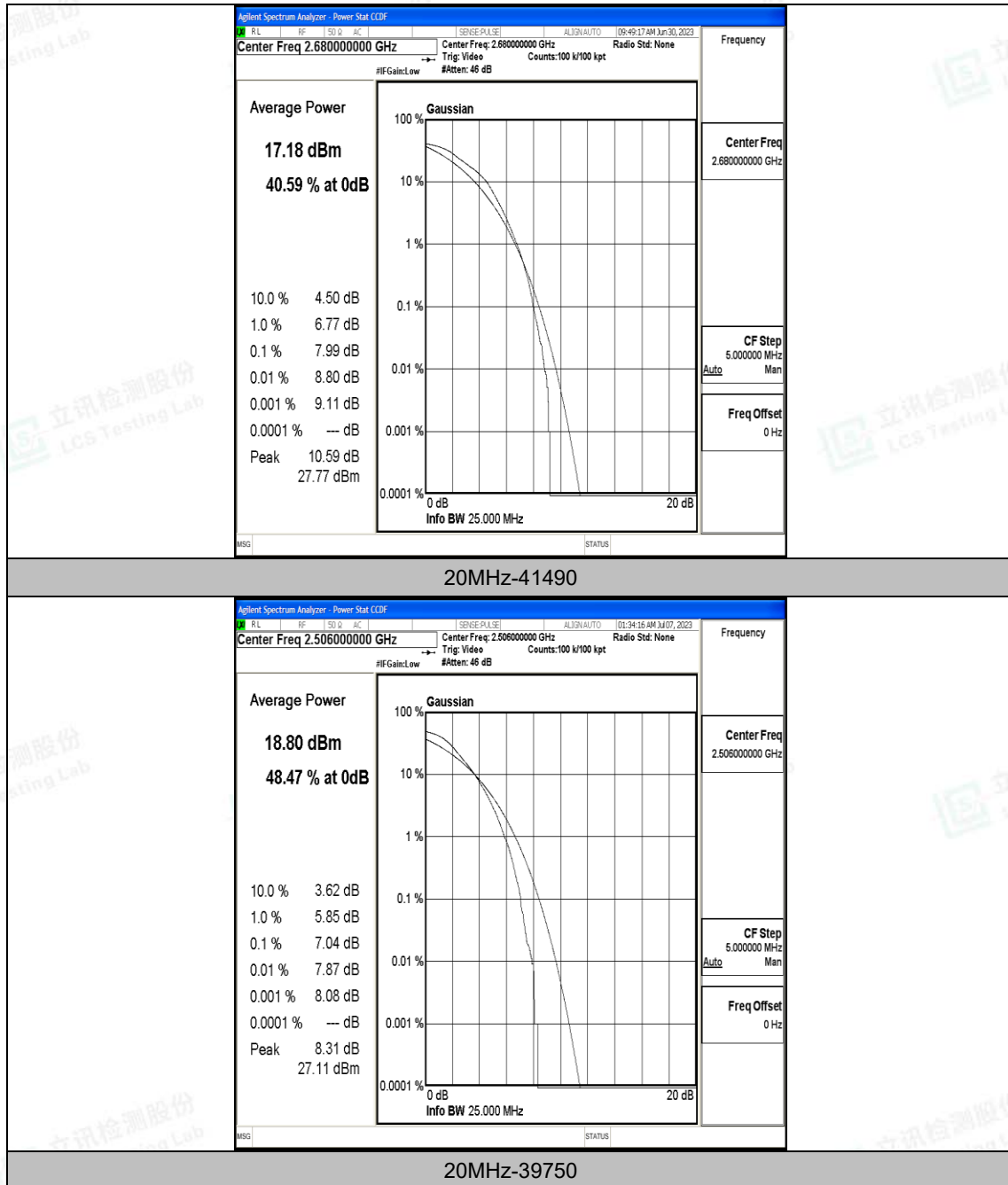


Shenzhen LCS Compliance Testing Laboratory Ltd.

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





I.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.5265	5.272	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.5073	5.334	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.5129	5.249	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.5292	5.434	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.4949	5.186	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.5162	5.234	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9876	10.17	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9746	10.12	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9969	10.18	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.9871	9.813	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.0322	10.21	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.0270	10.46	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.521	16.08	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.518	15.62	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.475	15.85	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.468	15.31	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.992	20.12	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.950	20.16	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.939	19.75	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.451	15.65	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.502	15.48	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.959	20.51	PASS
Band41	20MHz	QPSK	40620	100RB#0	18.049	19.98	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.918	20.60	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

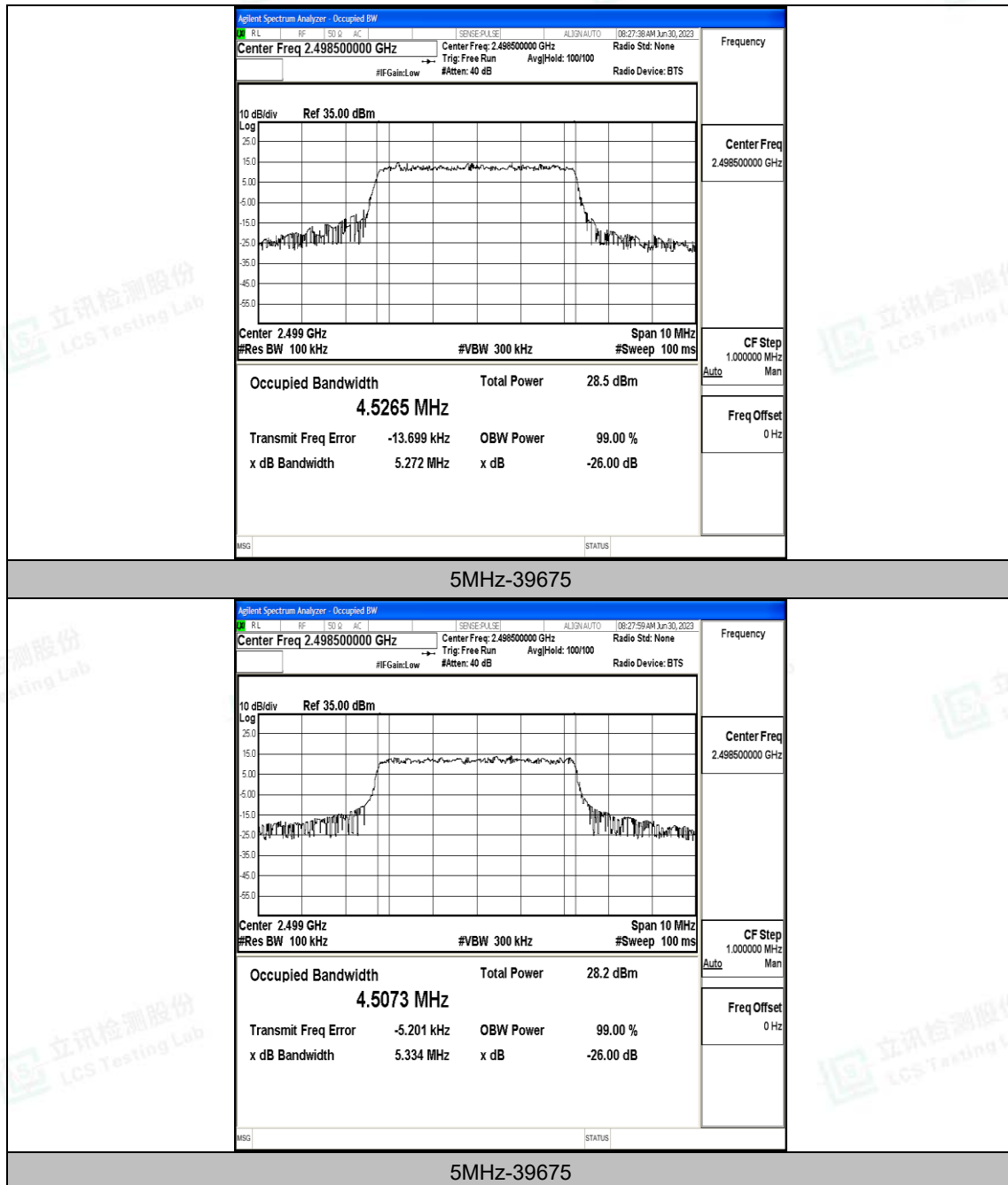
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

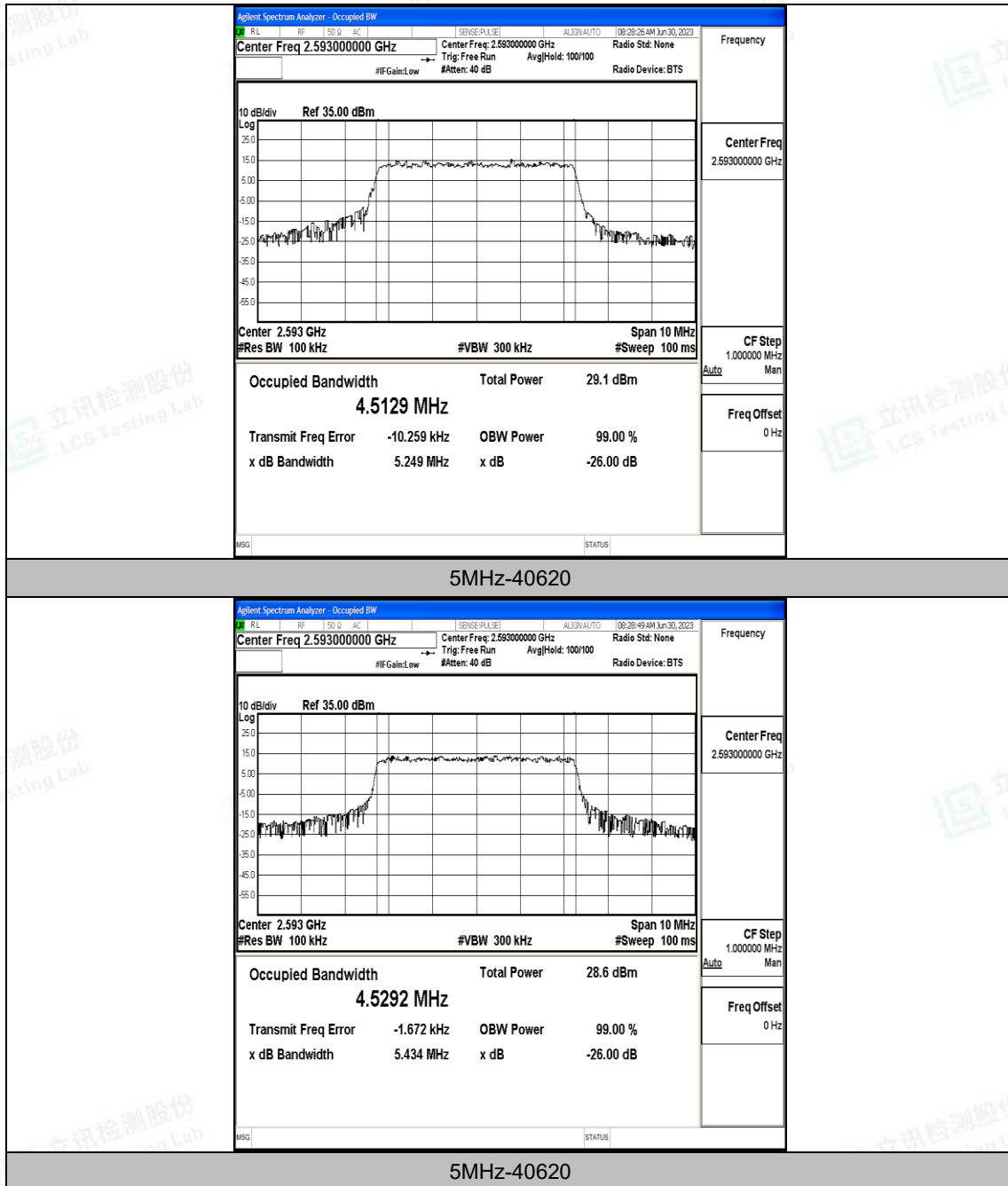
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



Test Graphs



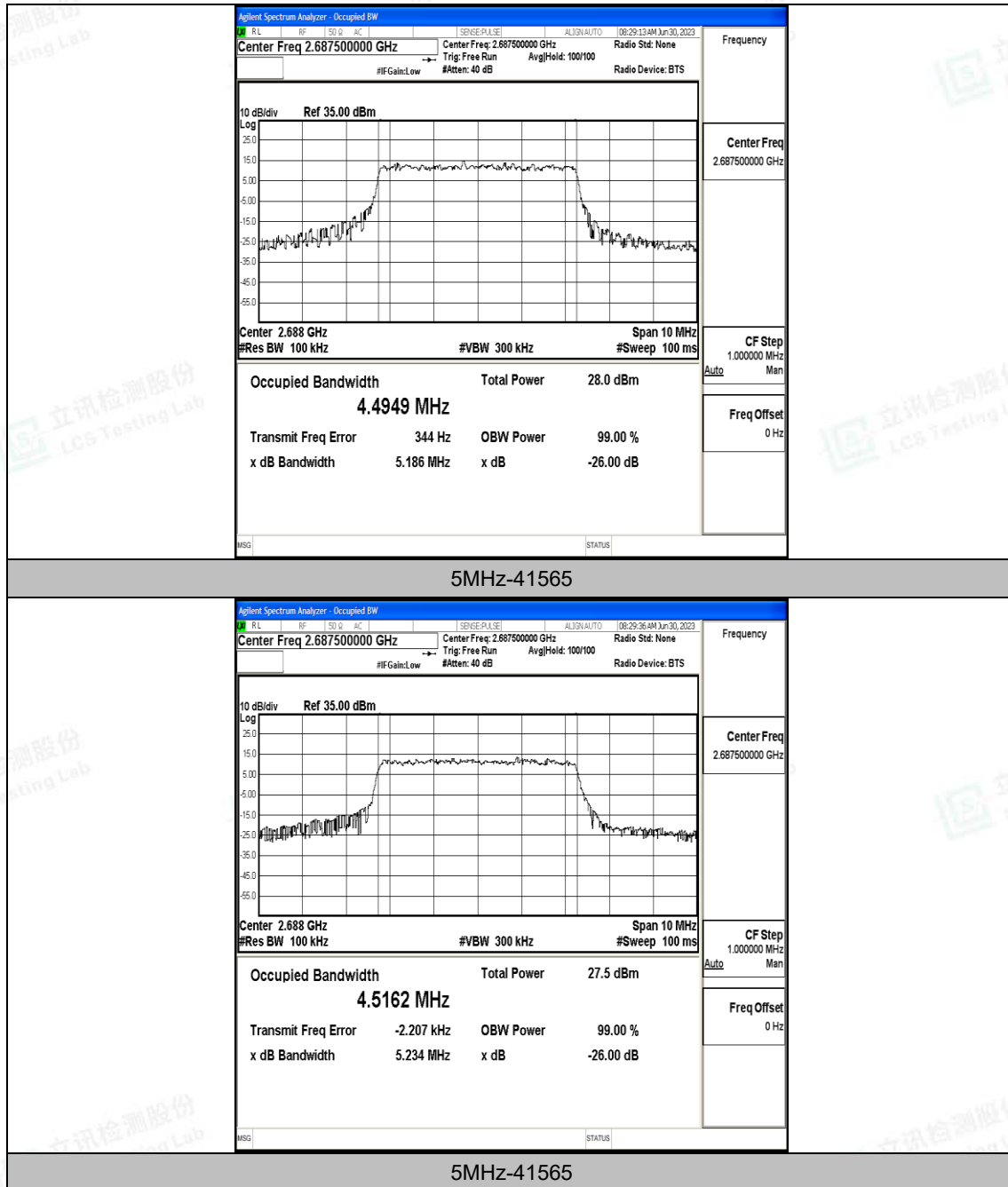


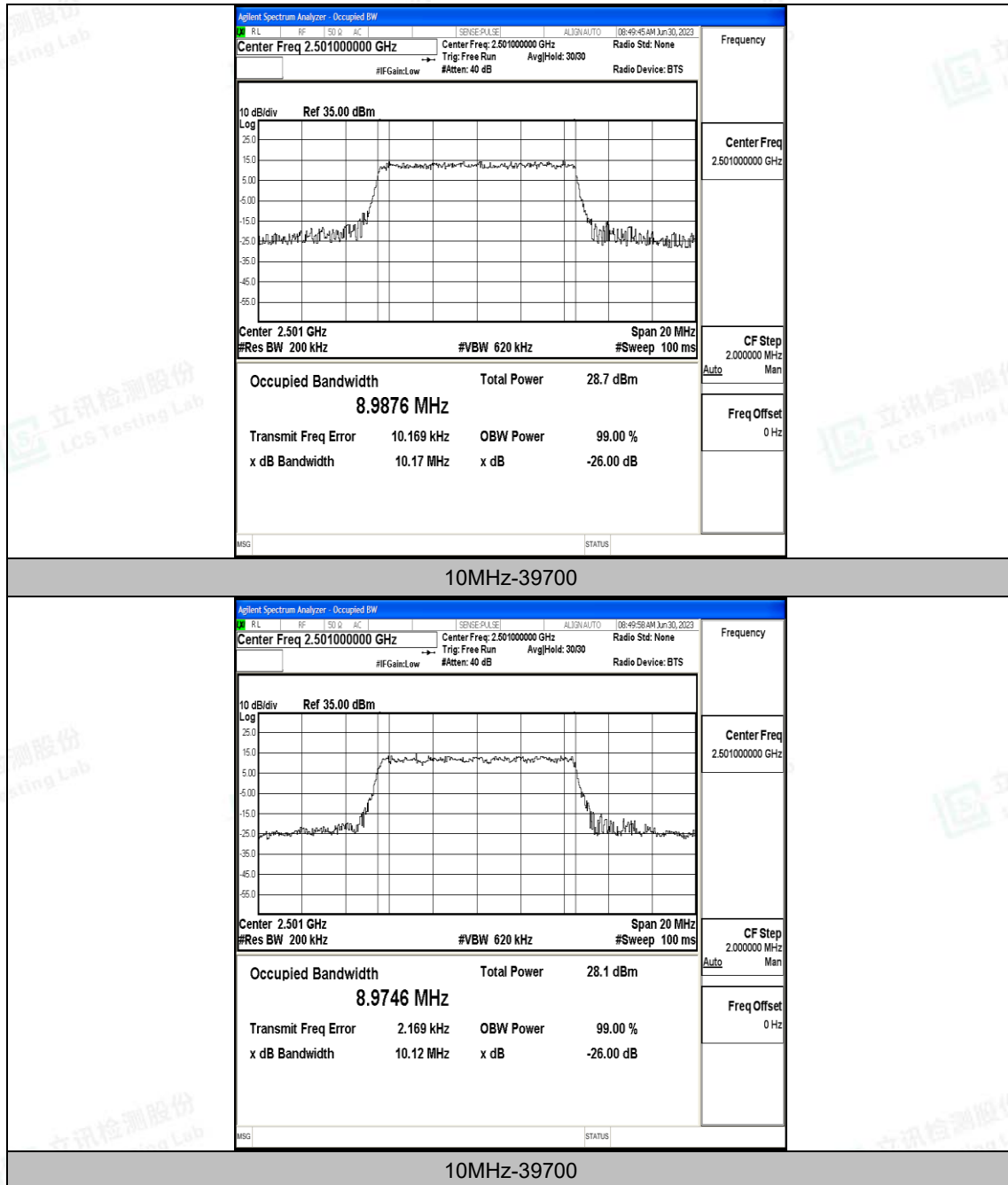
Shenzhen LCS Compliance Testing Laboratory Ltd.

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



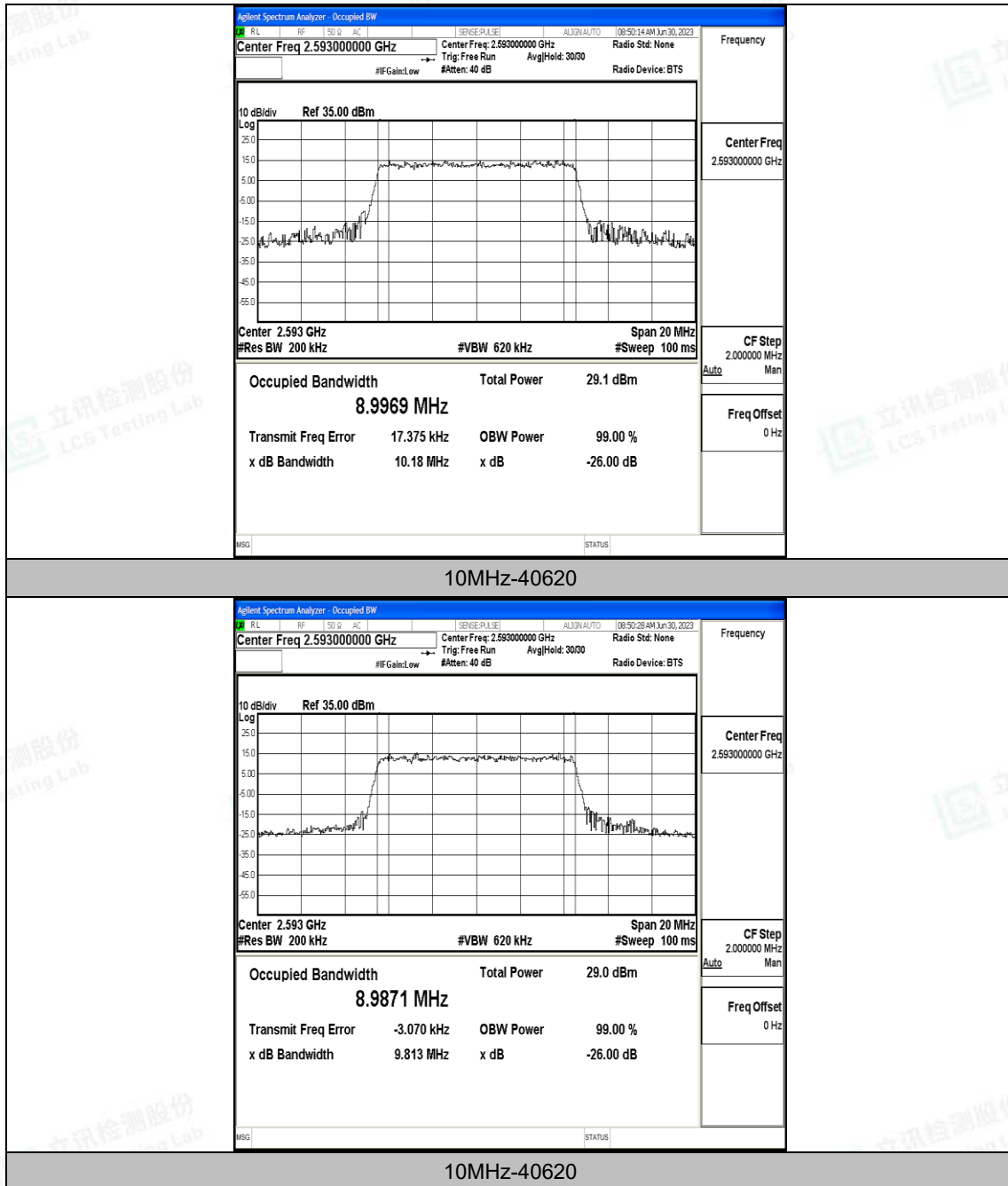


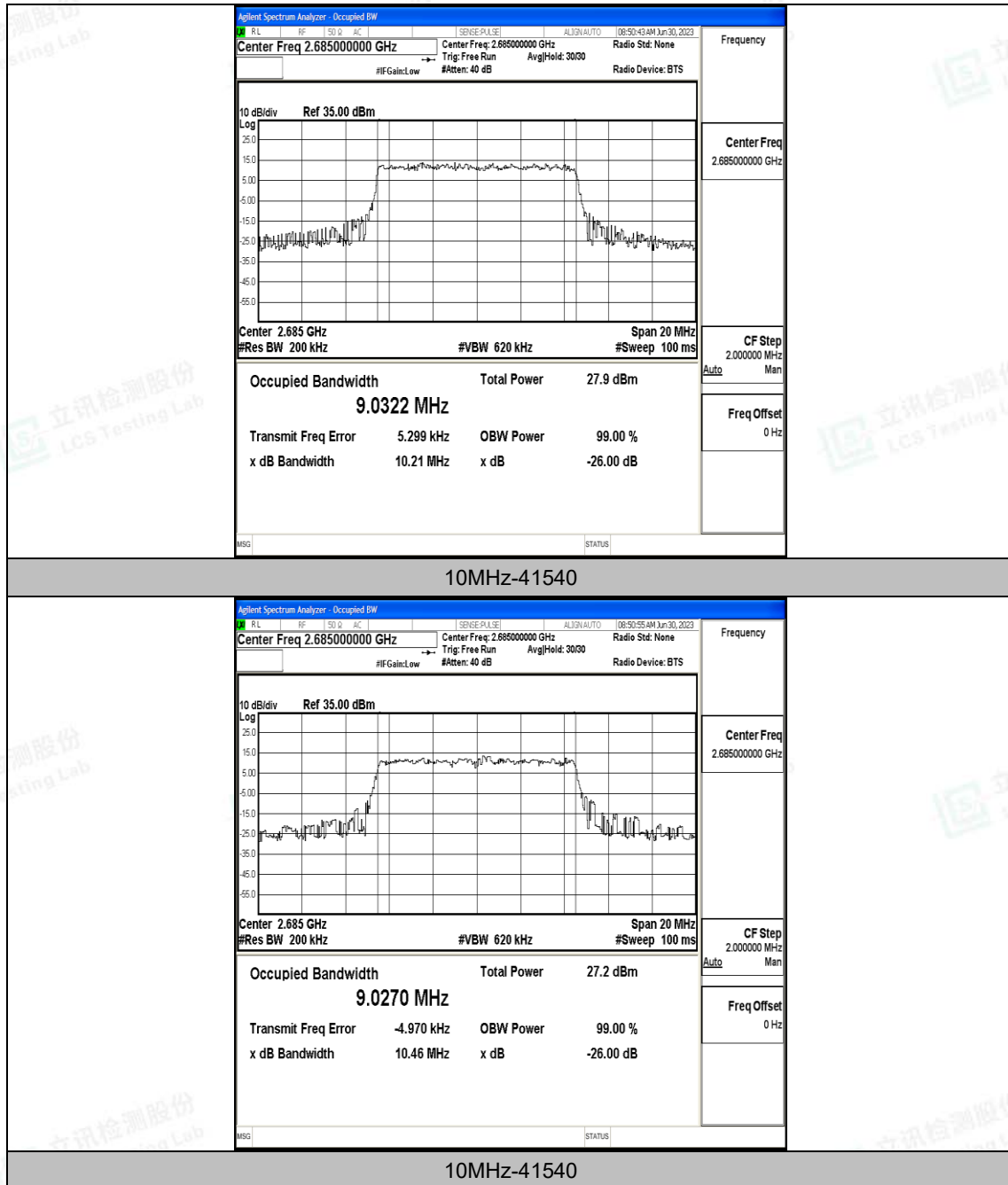
Shenzhen LCS Compliance Testing Laboratory Ltd.

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



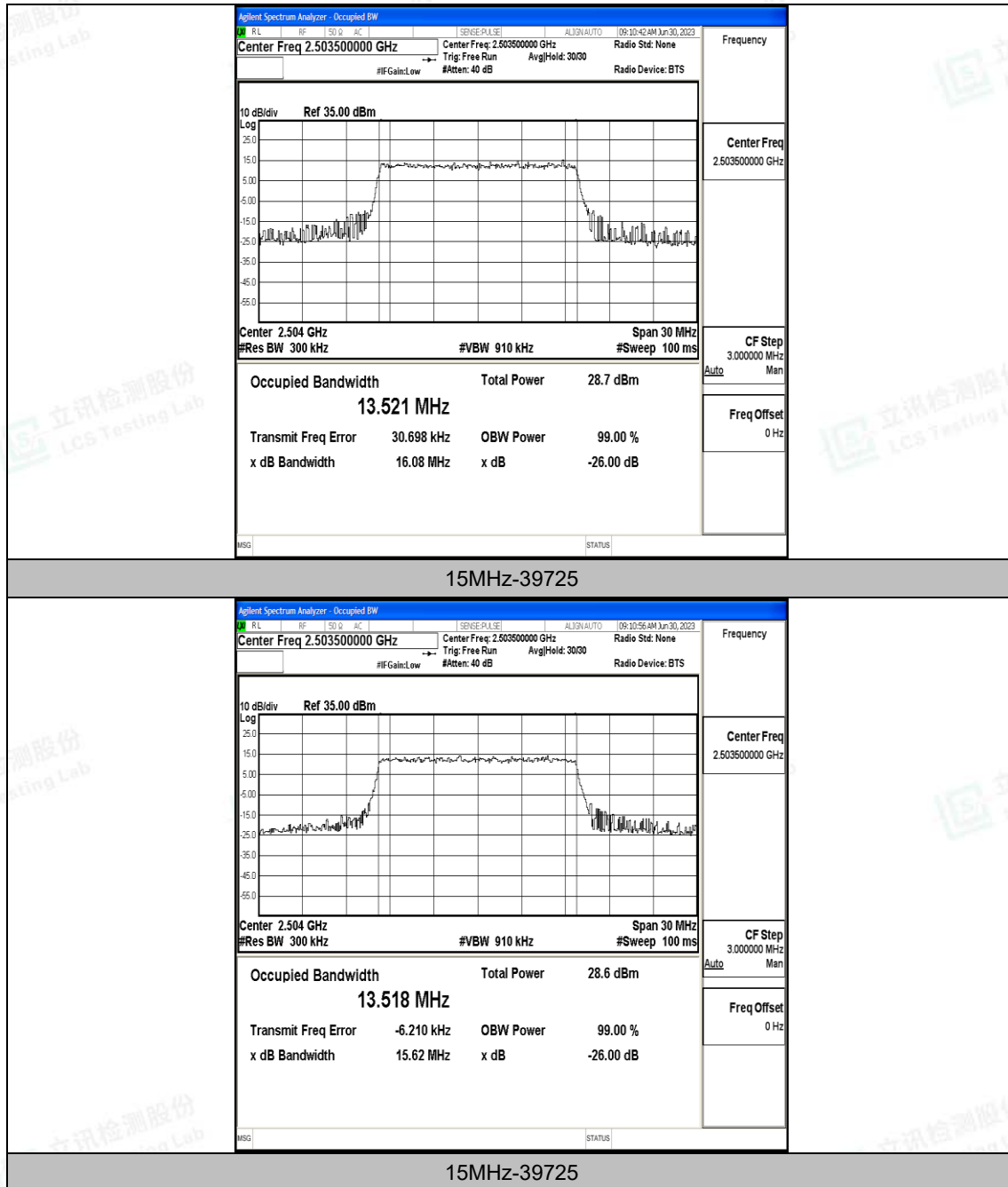


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

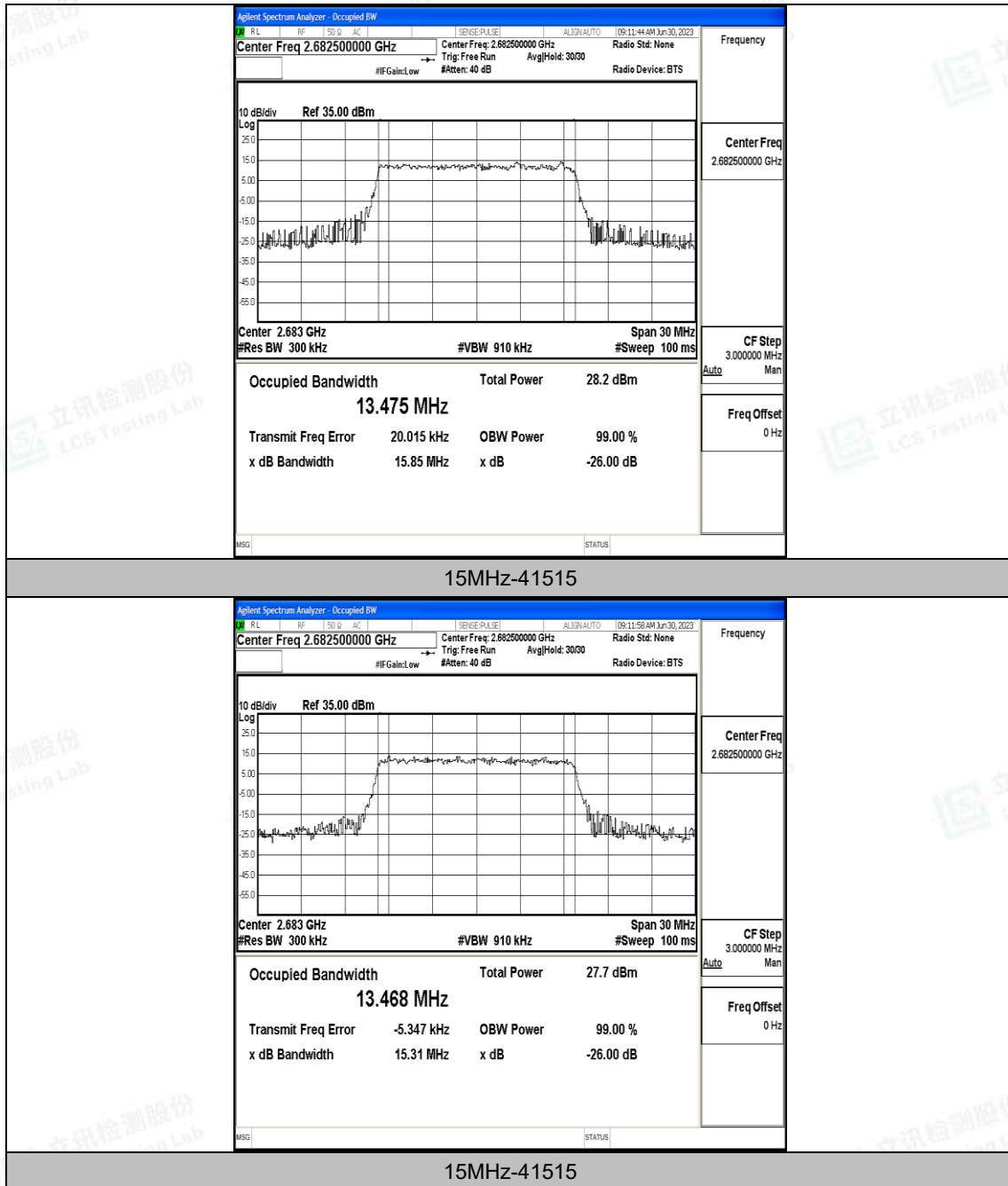


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

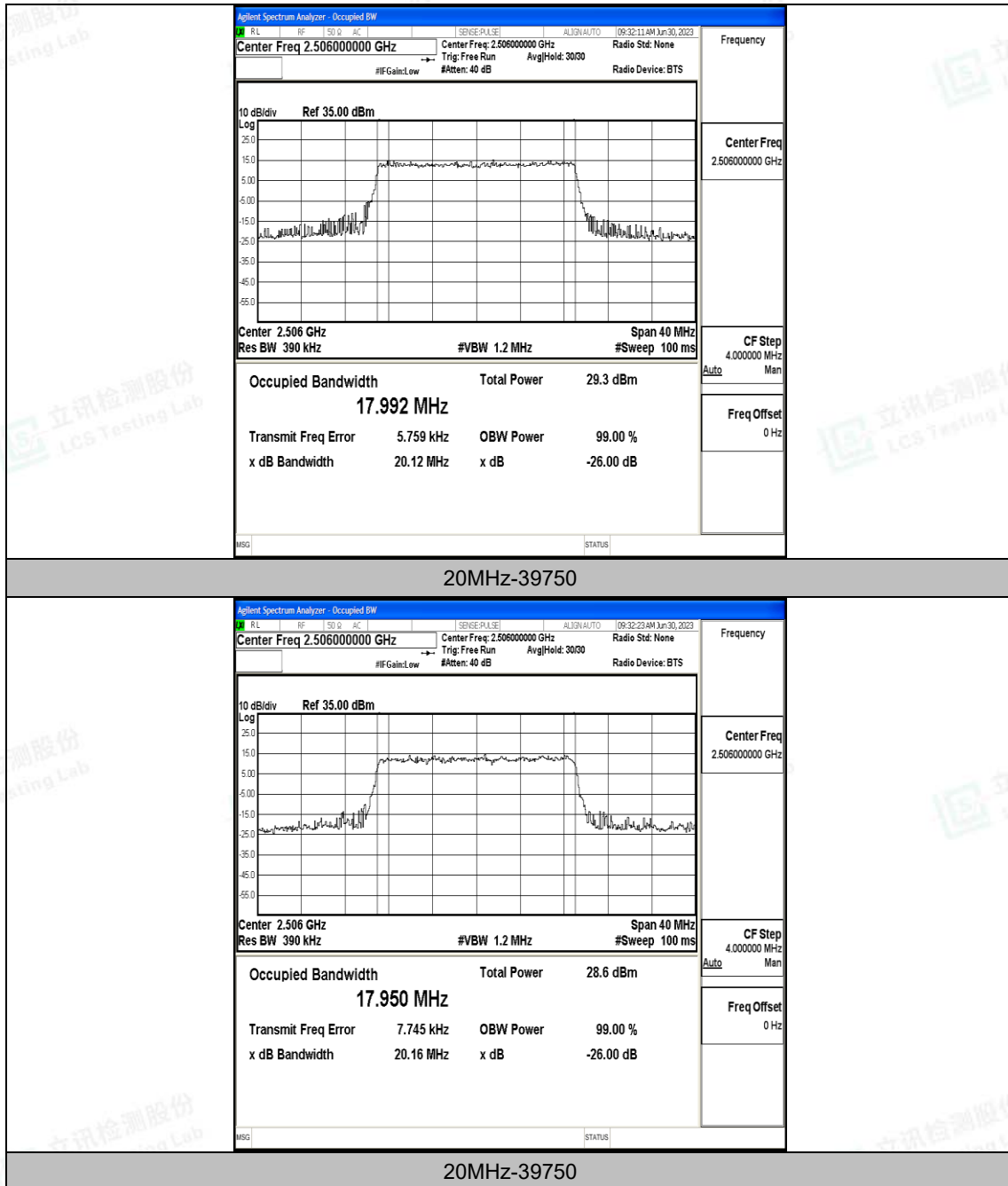


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

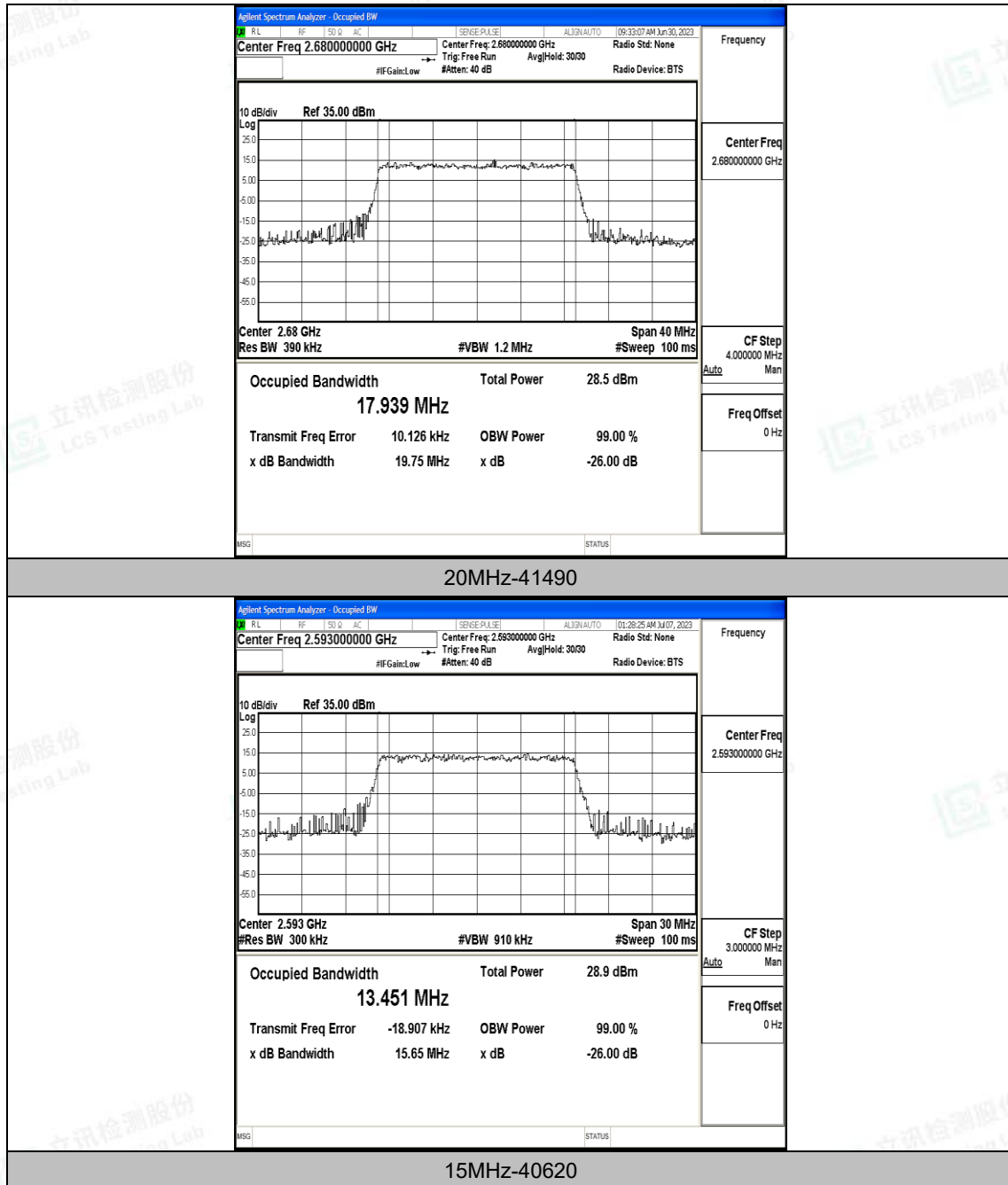


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

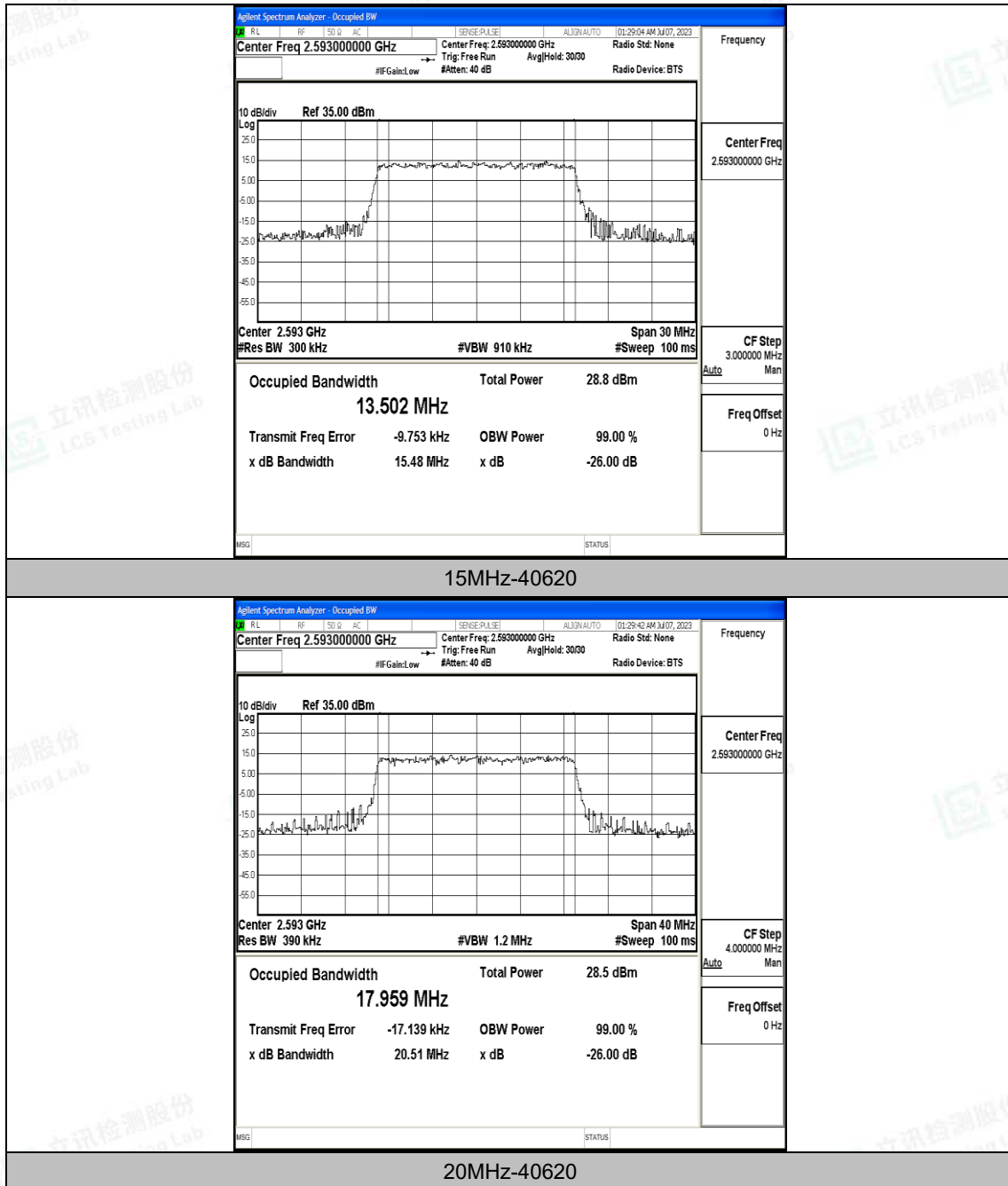


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

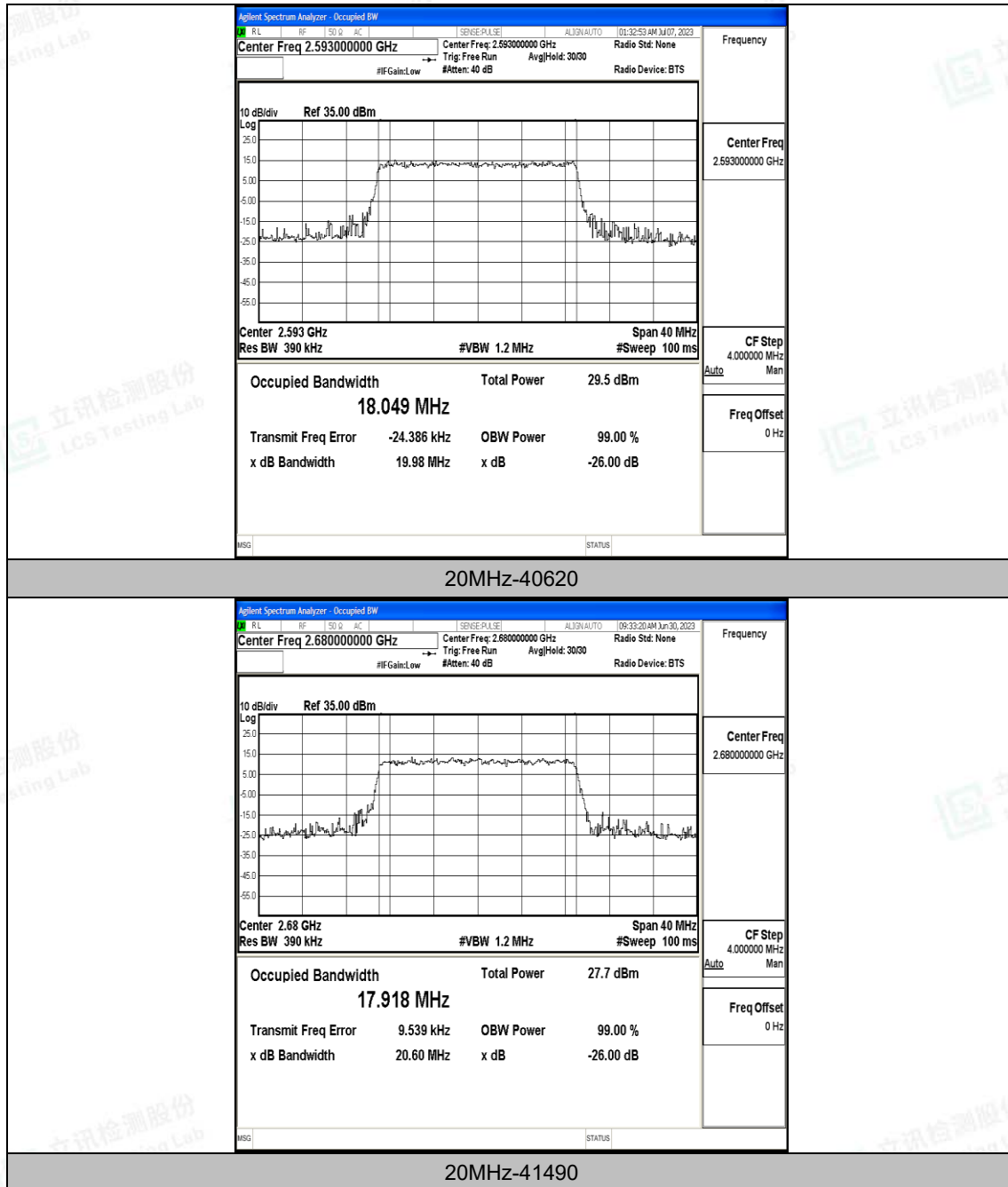


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

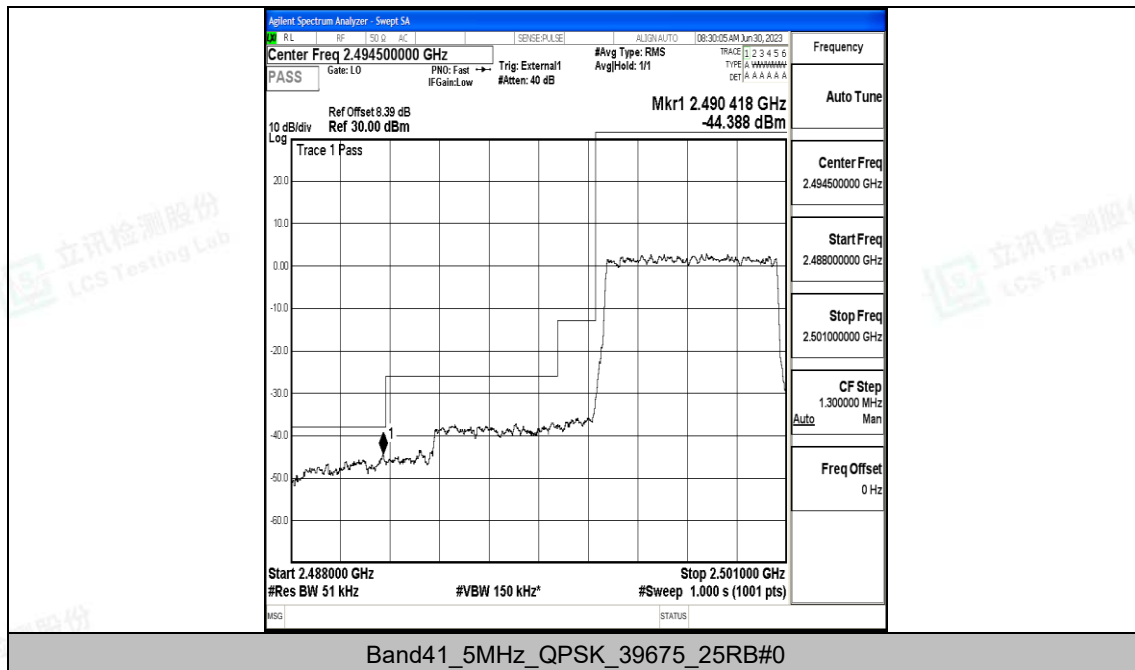


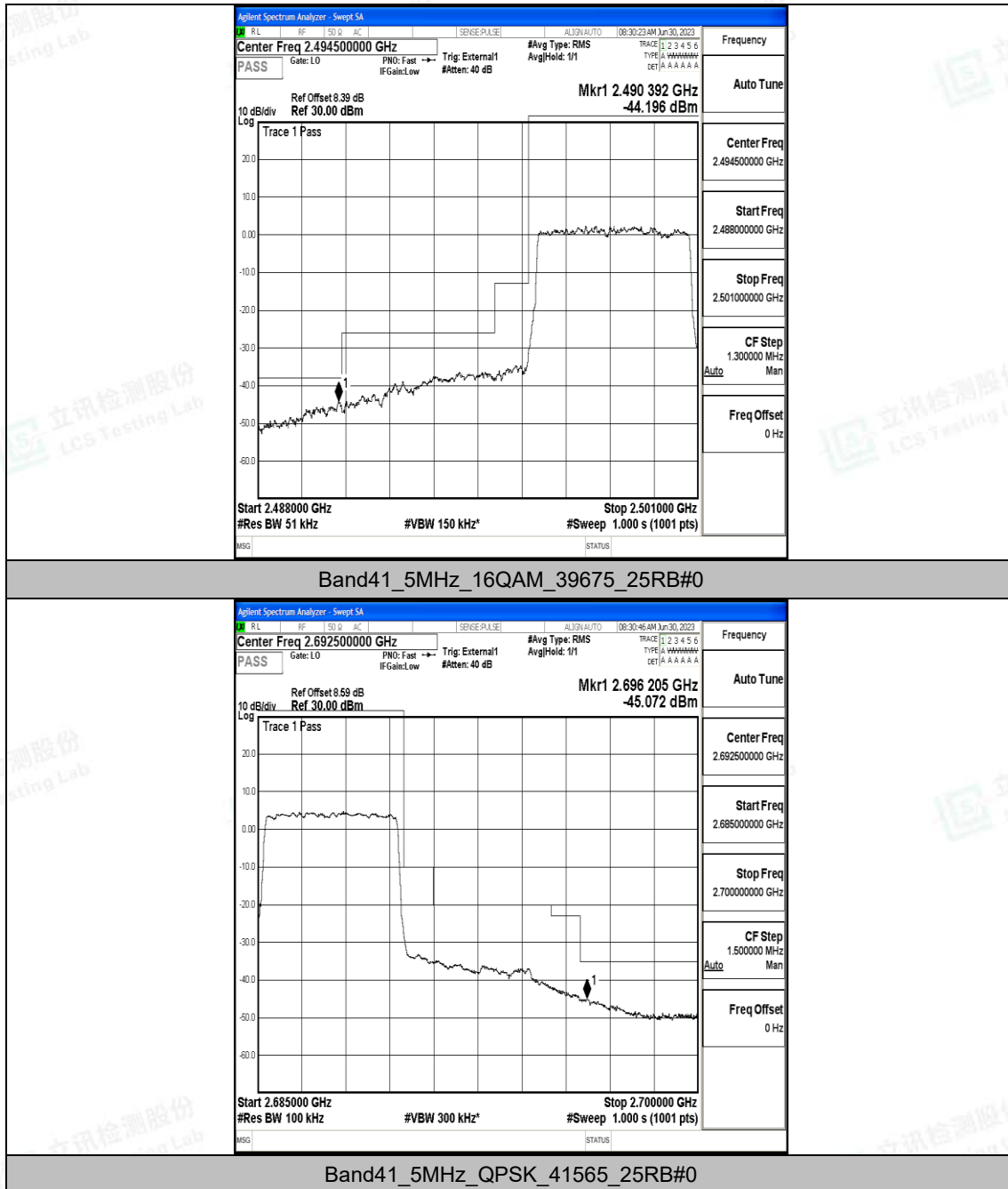
I.4 Band Edge

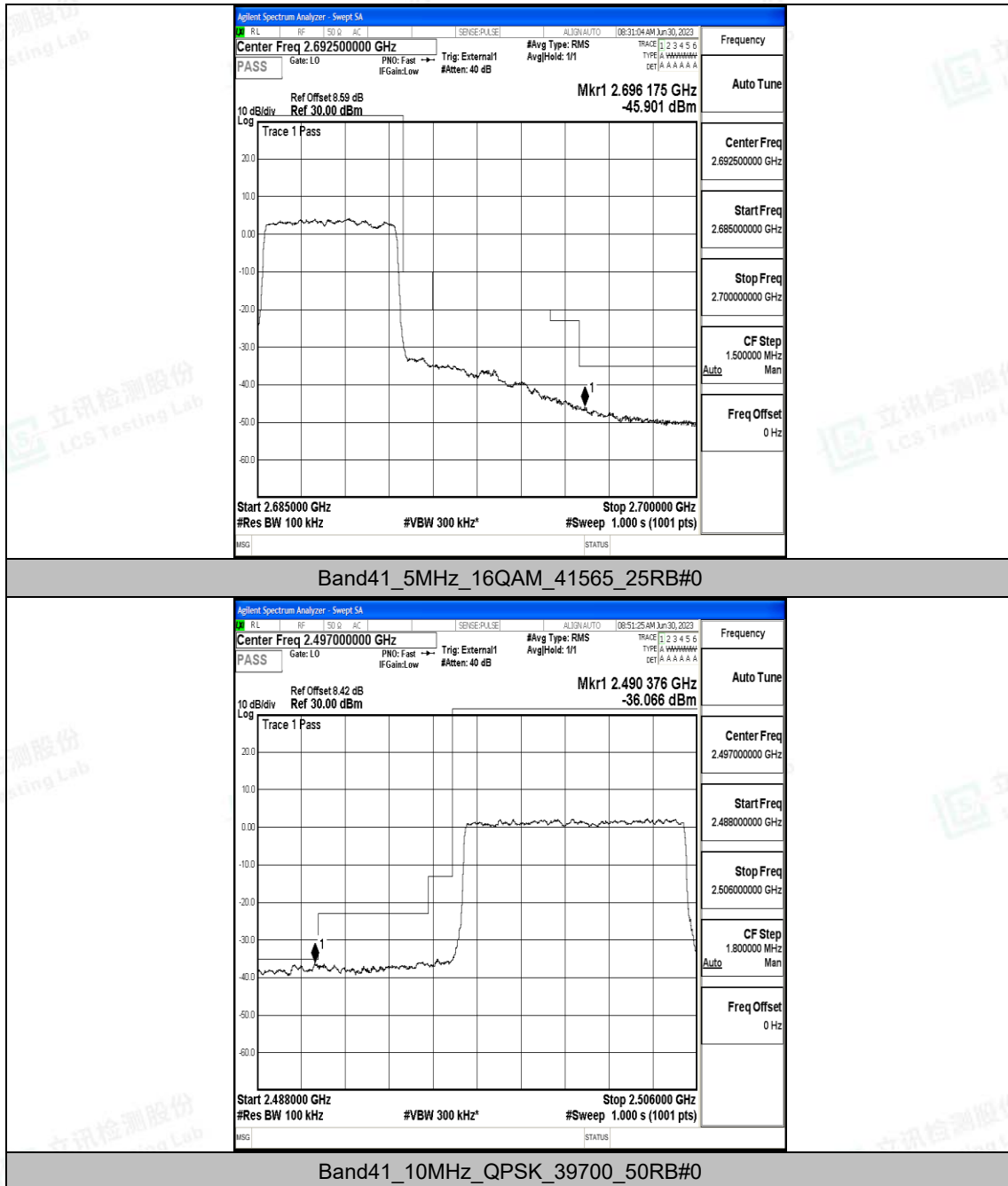
Test Result

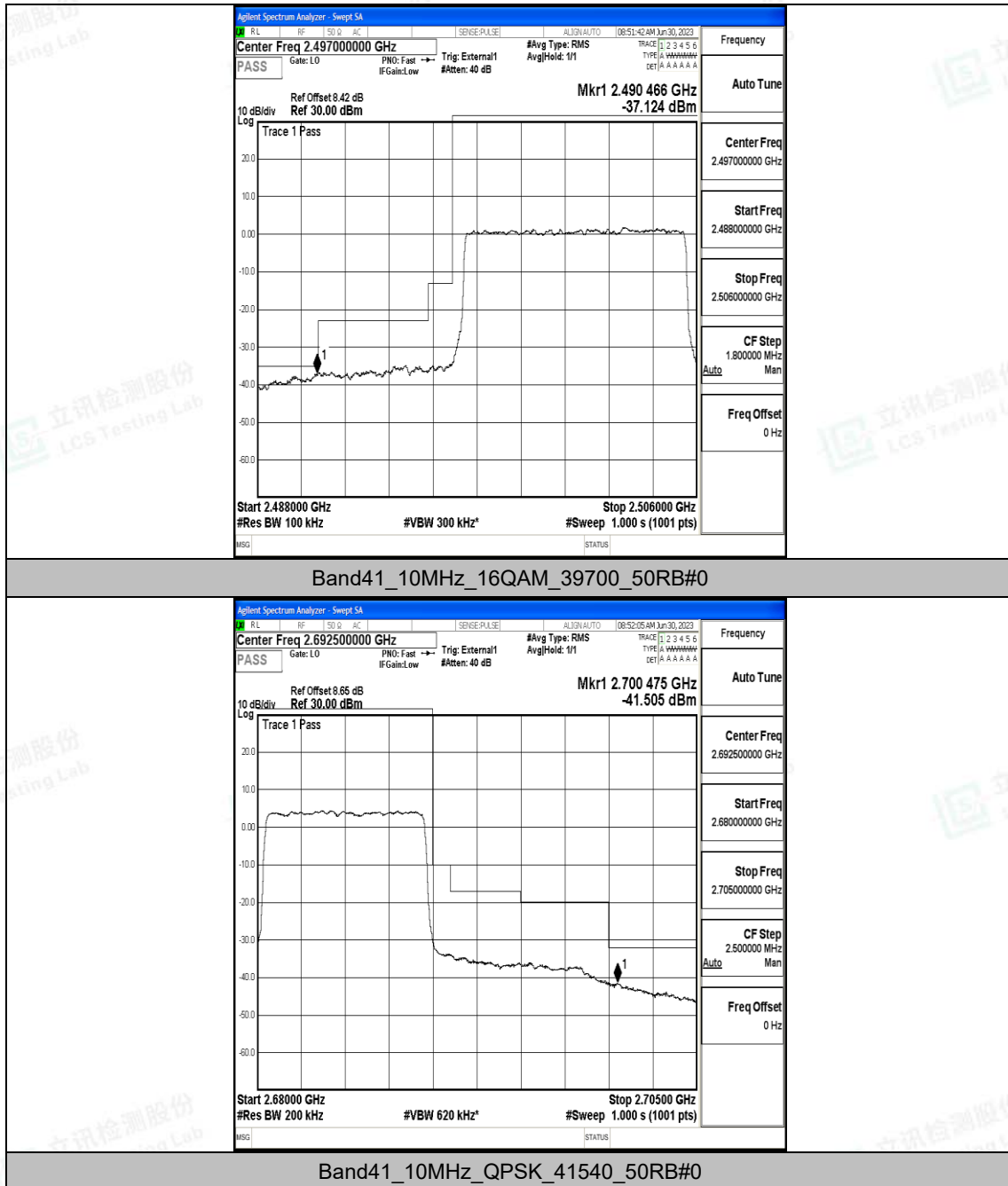
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	2490.42	-44.39	PASS
Band41	5MHz	16QAM	39675	25RB#0	2490.39	-44.20	PASS
Band41	5MHz	QPSK	41565	25RB#0	2696.21	-45.07	PASS
Band41	5MHz	16QAM	41565	25RB#0	2696.18	-45.90	PASS
Band41	10MHz	QPSK	39700	50RB#0	2490.38	-36.07	PASS
Band41	10MHz	16QAM	39700	50RB#0	2490.47	-37.12	PASS
Band41	10MHz	QPSK	41540	50RB#0	2700.48	-41.51	PASS
Band41	10MHz	16QAM	41540	50RB#0	2700.13	-41.97	PASS
Band41	15MHz	QPSK	39725	75RB#0	2489.52	-33.43	PASS
Band41	15MHz	16QAM	39725	75RB#0	2489.47	-33.28	PASS
Band41	15MHz	QPSK	41515	75RB#0	2706.22	-40.09	PASS
Band41	15MHz	16QAM	41515	75RB#0	2706.05	-40.71	PASS
Band41	20MHz	QPSK	39750	100RB#0	2489.29	-33.20	PASS
Band41	20MHz	16QAM	39750	100RB#0	2489.54	-33.03	PASS
Band41	20MHz	QPSK	41490	100RB#0	2710.01	-40.64	PASS
Band41	20MHz	16QAM	41490	100RB#0	2710.01	-41.13	PASS

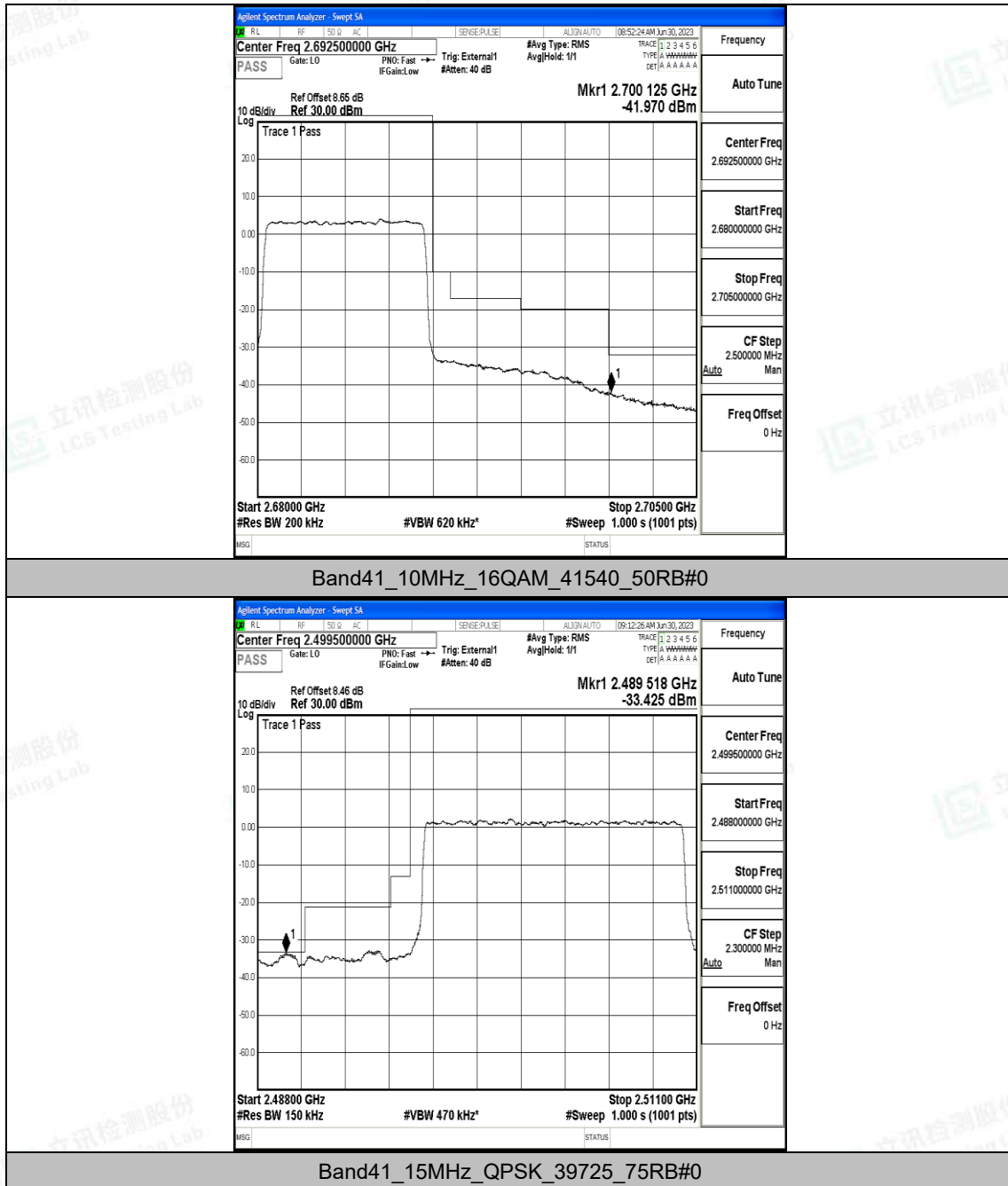
Test Graphs

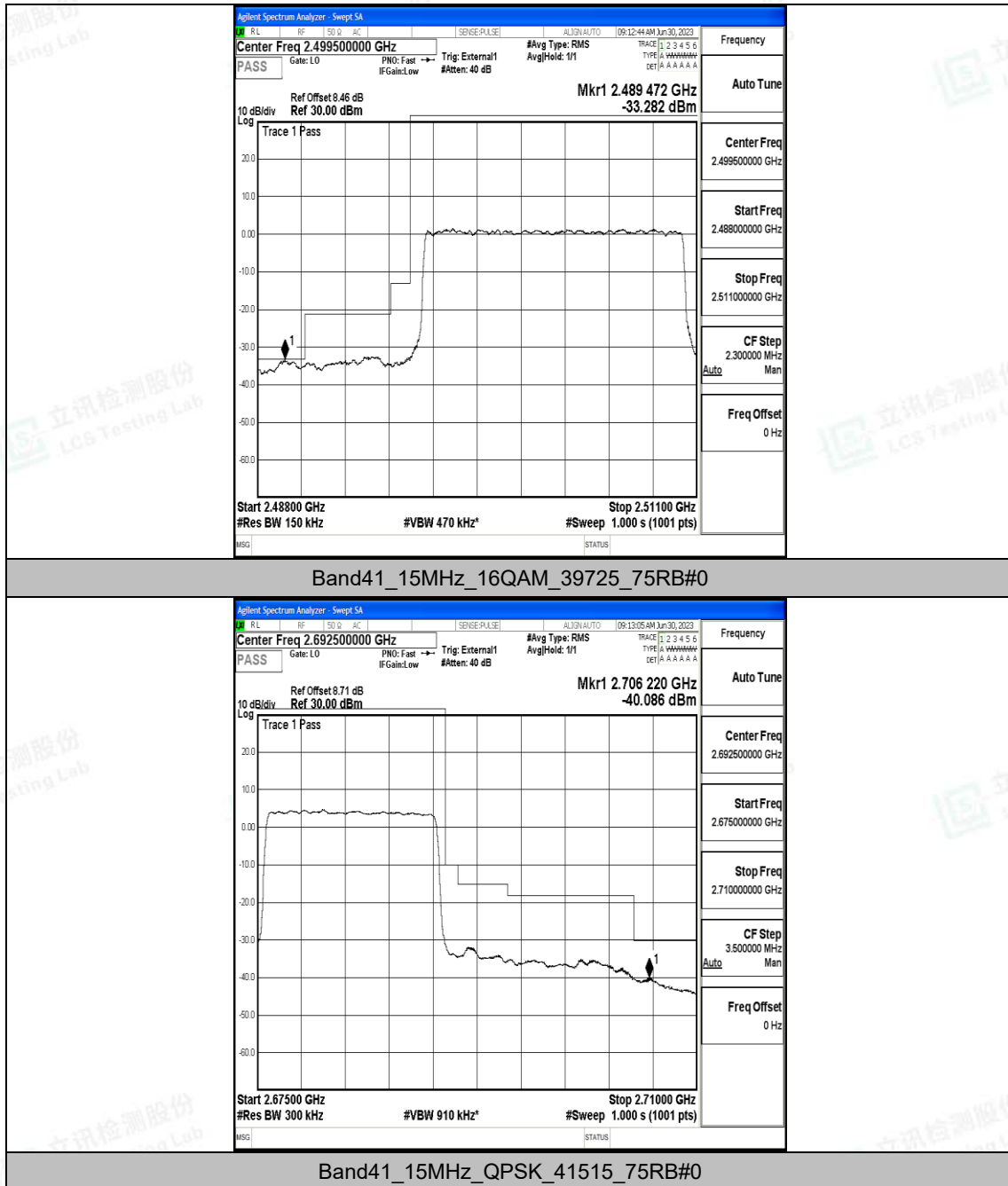


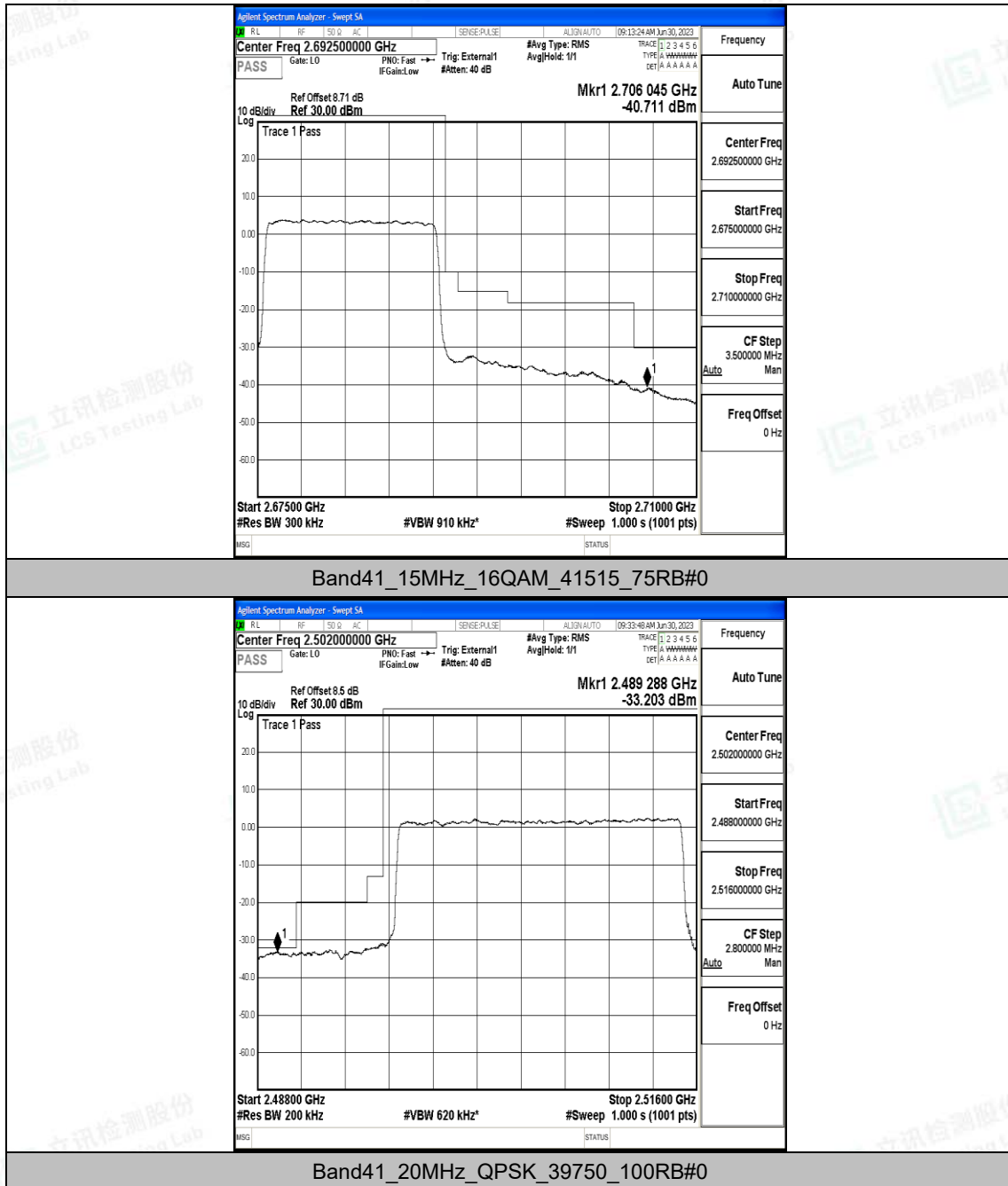


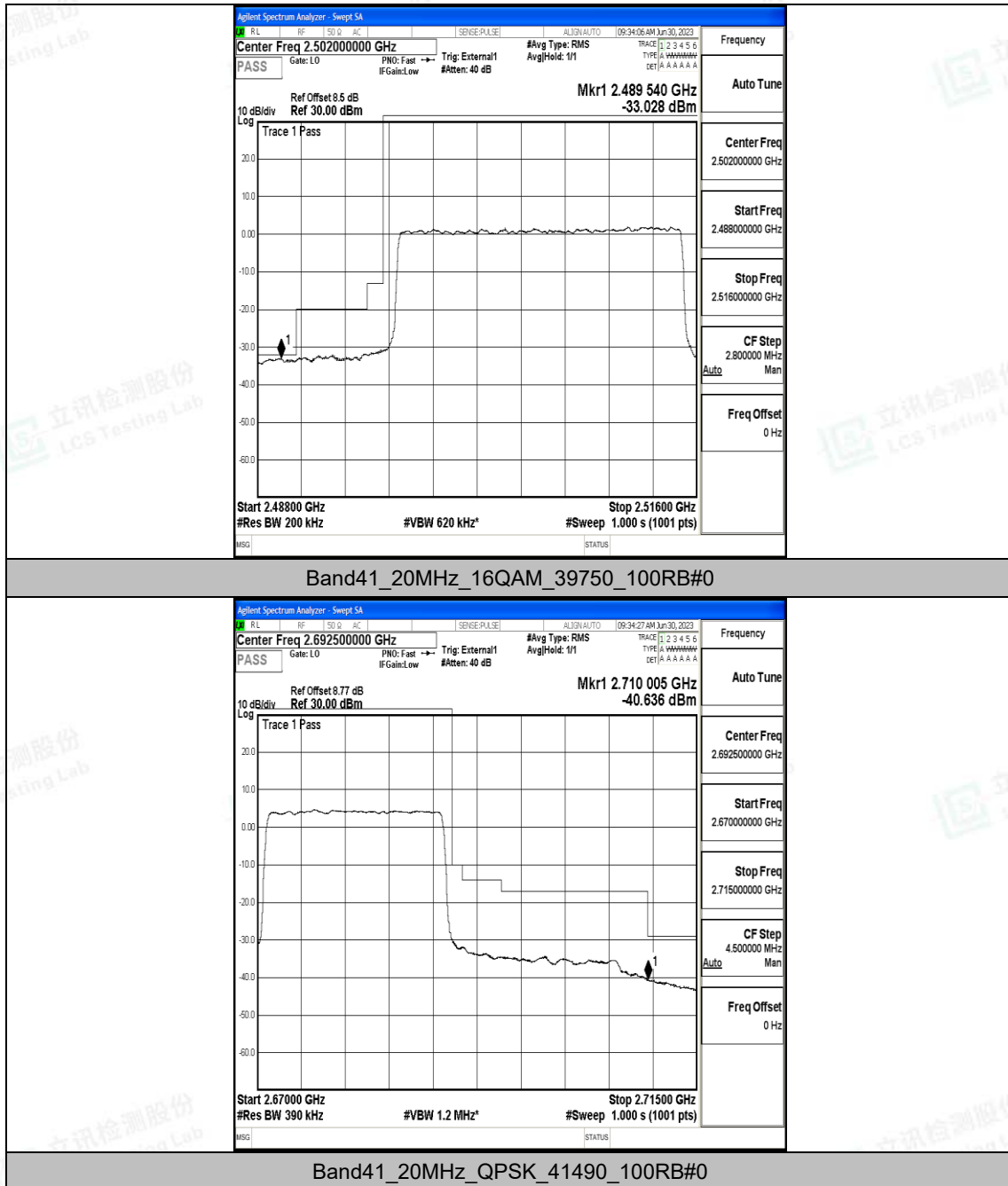


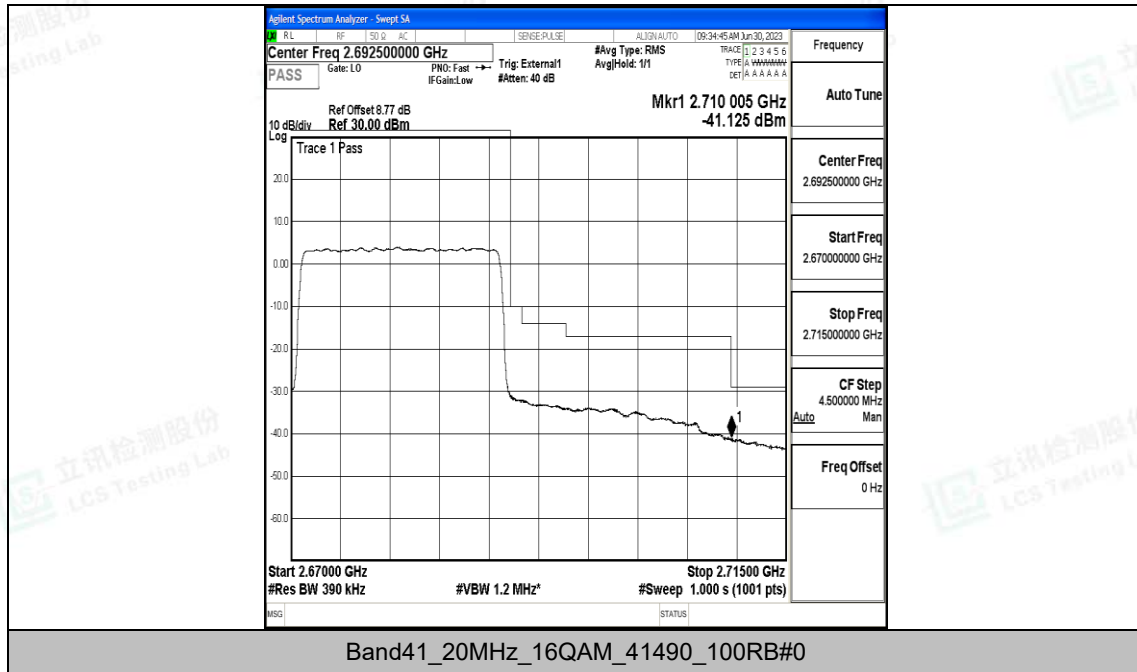














I.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	0.009~0.15	-58.43	PASS
Band41	5MHz	QPSK	39675	1RB#0	0.15~30	-51.69	PASS
Band41	5MHz	QPSK	39675	1RB#0	30~1000	-53.81	PASS
Band41	5MHz	QPSK	39675	1RB#0	1000~20000	-33.30	PASS
Band41	5MHz	QPSK	39675	1RB#0	20000~27000	-25.29	PASS
Band41	5MHz	16QAM	39675	1RB#0	0.009~0.15	-59.77	PASS
Band41	5MHz	16QAM	39675	1RB#0	0.15~30	-52.53	PASS
Band41	5MHz	16QAM	39675	1RB#0	30~1000	-53.98	PASS
Band41	5MHz	16QAM	39675	1RB#0	1000~20000	-33.53	PASS
Band41	5MHz	16QAM	39675	1RB#0	20000~27000	-25.56	PASS
Band41	5MHz	QPSK	40620	1RB#0	0.009~0.15	-56.71	PASS
Band41	5MHz	QPSK	40620	1RB#0	0.15~30	-52.06	PASS
Band41	5MHz	QPSK	40620	1RB#0	30~1000	-53.98	PASS
Band41	5MHz	QPSK	40620	1RB#0	1000~20000	-33.74	PASS
Band41	5MHz	QPSK	40620	1RB#0	20000~27000	-25.44	PASS
Band41	5MHz	16QAM	40620	1RB#0	0.009~0.15	-58.93	PASS
Band41	5MHz	16QAM	40620	1RB#0	0.15~30	-50.53	PASS
Band41	5MHz	16QAM	40620	1RB#0	30~1000	-53.98	PASS
Band41	5MHz	16QAM	40620	1RB#0	1000~20000	-33.38	PASS
Band41	5MHz	16QAM	40620	1RB#0	20000~27000	-25.01	PASS
Band41	5MHz	QPSK	41565	1RB#0	0.009~0.15	-55.22	PASS
Band41	5MHz	QPSK	41565	1RB#0	0.15~30	-52.75	PASS
Band41	5MHz	QPSK	41565	1RB#0	30~1000	-53.95	PASS
Band41	5MHz	QPSK	41565	1RB#0	1000~20000	-33.28	PASS
Band41	5MHz	QPSK	41565	1RB#0	20000~27000	-25.58	PASS
Band41	5MHz	16QAM	41565	1RB#0	0.009~0.15	-59.47	PASS
Band41	5MHz	16QAM	41565	1RB#0	0.15~30	-51.28	PASS
Band41	5MHz	16QAM	41565	1RB#0	30~1000	-54.02	PASS
Band41	5MHz	16QAM	41565	1RB#0	1000~20000	-32.94	PASS
Band41	5MHz	16QAM	41565	1RB#0	20000~27000	-25.51	PASS
Band41	10MHz	QPSK	39700	1RB#0	0.009~0.15	-56.26	PASS
Band41	10MHz	QPSK	39700	1RB#0	0.15~30	-54.07	PASS
Band41	10MHz	QPSK	39700	1RB#0	30~1000	-53.89	PASS
Band41	10MHz	QPSK	39700	1RB#0	1000~20000	-33.58	PASS
Band41	10MHz	QPSK	39700	1RB#0	20000~27000	-45.52	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



Band41	10MHz	16QAM	39700	1RB#0	0.009~0.15	-57.46	PASS
Band41	10MHz	16QAM	39700	1RB#0	0.15~30	-49.63	PASS
Band41	10MHz	16QAM	39700	1RB#0	30~1000	-53.92	PASS
Band41	10MHz	16QAM	39700	1RB#0	1000~20000	-33.48	PASS
Band41	10MHz	16QAM	39700	1RB#0	20000~27000	-45.38	PASS
Band41	10MHz	QPSK	40620	1RB#0	0.009~0.15	-58.15	PASS
Band41	10MHz	QPSK	40620	1RB#0	0.15~30	-50.93	PASS
Band41	10MHz	QPSK	40620	1RB#0	30~1000	-53.84	PASS
Band41	10MHz	QPSK	40620	1RB#0	1000~20000	-32.70	PASS
Band41	10MHz	QPSK	40620	1RB#0	20000~27000	-45.37	PASS
Band41	10MHz	16QAM	40620	1RB#0	0.009~0.15	-57.89	PASS
Band41	10MHz	16QAM	40620	1RB#0	0.15~30	-52.78	PASS
Band41	10MHz	16QAM	40620	1RB#0	30~1000	-53.91	PASS
Band41	10MHz	16QAM	40620	1RB#0	1000~20000	-33.07	PASS
Band41	10MHz	16QAM	40620	1RB#0	20000~27000	-45.12	PASS
Band41	10MHz	QPSK	41540	1RB#0	0.009~0.15	-57.34	PASS
Band41	10MHz	QPSK	41540	1RB#0	0.15~30	-52.09	PASS
Band41	10MHz	QPSK	41540	1RB#0	30~1000	-53.81	PASS
Band41	10MHz	QPSK	41540	1RB#0	1000~20000	-33.63	PASS
Band41	10MHz	QPSK	41540	1RB#0	20000~27000	-45.59	PASS
Band41	10MHz	16QAM	41540	1RB#0	0.009~0.15	-58.94	PASS
Band41	10MHz	16QAM	41540	1RB#0	0.15~30	-52.36	PASS
Band41	10MHz	16QAM	41540	1RB#0	30~1000	-53.81	PASS
Band41	10MHz	16QAM	41540	1RB#0	1000~20000	-33.30	PASS
Band41	15MHz	QPSK	39725	1RB#0	0.009~0.15	-59.82	PASS
Band41	15MHz	QPSK	39725	1RB#0	0.15~30	-51.15	PASS
Band41	15MHz	QPSK	39725	1RB#0	30~1000	-53.87	PASS
Band41	15MHz	QPSK	39725	1RB#0	1000~20000	-33.31	PASS
Band41	15MHz	QPSK	39725	1RB#0	20000~27000	-25.34	PASS
Band41	15MHz	16QAM	39725	1RB#0	0.009~0.15	-57.91	PASS
Band41	10MHz	16QAM	41540	1RB#0	20000~27000	-45.74	PASS
Band41	15MHz	16QAM	39725	1RB#0	0.15~30	-52.49	PASS
Band41	15MHz	16QAM	39725	1RB#0	30~1000	-53.94	PASS
Band41	15MHz	16QAM	39725	1RB#0	1000~20000	-33.25	PASS
Band41	15MHz	16QAM	39725	1RB#0	20000~27000	-25.48	PASS
Band41	15MHz	QPSK	40620	1RB#0	0.009~0.15	-56.44	PASS
Band41	15MHz	QPSK	40620	1RB#0	0.15~30	-50.74	PASS
Band41	15MHz	QPSK	40620	1RB#0	30~1000	-53.93	PASS
Band41	15MHz	QPSK	40620	1RB#0	1000~20000	-33.17	PASS
Band41	15MHz	QPSK	40620	1RB#0	20000~27000	-25.18	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



Band41	15MHz	16QAM	40620	1RB#0	0.009~0.15	-55.84	PASS
Band41	15MHz	16QAM	40620	1RB#0	0.15~30	-51.50	PASS
Band41	15MHz	16QAM	40620	1RB#0	30~1000	-53.94	PASS
Band41	15MHz	16QAM	40620	1RB#0	1000~20000	-33.44	PASS
Band41	15MHz	16QAM	40620	1RB#0	20000~27000	-25.15	PASS
Band41	15MHz	QPSK	41515	1RB#0	0.009~0.15	-58.42	PASS
Band41	15MHz	QPSK	41515	1RB#0	0.15~30	-55.26	PASS
Band41	15MHz	QPSK	41515	1RB#0	30~1000	-53.93	PASS
Band41	15MHz	QPSK	41515	1RB#0	1000~20000	-33.71	PASS
Band41	15MHz	QPSK	41515	1RB#0	20000~27000	-25.01	PASS
Band41	15MHz	16QAM	41515	1RB#0	0.009~0.15	-58.05	PASS
Band41	15MHz	16QAM	41515	1RB#0	0.15~30	-51.21	PASS
Band41	15MHz	16QAM	41515	1RB#0	30~1000	-53.87	PASS
Band41	15MHz	16QAM	41515	1RB#0	1000~20000	-33.18	PASS
Band41	15MHz	16QAM	41515	1RB#0	20000~27000	-25.16	PASS
Band41	20MHz	QPSK	39750	1RB#0	0.009~0.15	-56.97	PASS
Band41	20MHz	QPSK	39750	1RB#0	0.15~30	-50.99	PASS
Band41	20MHz	QPSK	39750	1RB#0	30~1000	-53.74	PASS
Band41	20MHz	QPSK	39750	1RB#0	1000~20000	-32.72	PASS
Band41	20MHz	QPSK	39750	1RB#0	20000~27000	-25.39	PASS
Band41	20MHz	16QAM	39750	1RB#0	0.009~0.15	-58.94	PASS
Band41	20MHz	16QAM	39750	1RB#0	0.15~30	-50.50	PASS
Band41	20MHz	16QAM	39750	1RB#0	30~1000	-53.96	PASS
Band41	20MHz	16QAM	39750	1RB#0	1000~20000	-33.30	PASS
Band41	20MHz	16QAM	39750	1RB#0	20000~27000	-25.38	PASS
Band41	20MHz	QPSK	40620	1RB#0	0.009~0.15	-58.71	PASS
Band41	20MHz	QPSK	40620	1RB#0	0.15~30	-50.47	PASS
Band41	20MHz	QPSK	40620	1RB#0	30~1000	-53.92	PASS
Band41	20MHz	QPSK	40620	1RB#0	1000~20000	-33.15	PASS
Band41	20MHz	QPSK	40620	1RB#0	20000~27000	-25.47	PASS
Band41	20MHz	16QAM	40620	1RB#0	0.009~0.15	-59.19	PASS
Band41	20MHz	16QAM	40620	1RB#0	0.15~30	-49.08	PASS
Band41	20MHz	16QAM	40620	1RB#0	30~1000	-53.95	PASS
Band41	20MHz	16QAM	40620	1RB#0	1000~20000	-33.44	PASS
Band41	20MHz	16QAM	40620	1RB#0	20000~27000	-25.32	PASS
Band41	20MHz	QPSK	41490	1RB#0	0.009~0.15	-59.70	PASS
Band41	20MHz	QPSK	41490	1RB#0	0.15~30	-49.56	PASS
Band41	20MHz	QPSK	41490	1RB#0	30~1000	-53.95	PASS
Band41	20MHz	QPSK	41490	1RB#0	1000~20000	-33.46	PASS
Band41	20MHz	QPSK	41490	1RB#0	20000~27000	-25.04	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



Band41	20MHz	16QAM	41490	1RB#0	0.009~0.15	-58.21	PASS
Band41	20MHz	16QAM	41490	1RB#0	0.15~30	-50.75	PASS
Band41	20MHz	16QAM	41490	1RB#0	30~1000	-53.92	PASS
Band41	20MHz	16QAM	41490	1RB#0	1000~20000	-33.28	PASS
Band41	20MHz	16QAM	41490	1RB#0	20000~27000	-25.37	PASS

Test Graphs

