



Appendix G: Test Data for E-UTRA Band 12

Product Name: Smartphone

Test Model: HY65PB1401NA

Environmental Conditions

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



G.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	22.98	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.23	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	22.90	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.08	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.99	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.16	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	22.85	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	21.89	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	22.84	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	21.88	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	22.80	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	21.52	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	21.93	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.19	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	21.63	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	22.75	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	21.71	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.74	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	21.71	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	22.69	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	21.51	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	22.52	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	21.50	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	22.68	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	21.82	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	21.84	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.12	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.62	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.22	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	22.79	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	21.75	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	22.36	PASS
Band12	3MHz	QPSK	23025	1RB#0	22.92	PASS
Band12	3MHz	16QAM	23025	1RB#0	21.76	PASS
Band12	3MHz	QPSK	23025	1RB#8	22.76	PASS
Band12	3MHz	16QAM	23025	1RB#8	21.79	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



Band12	3MHz	QPSK	23025	1RB#14	22.95	PASS
Band12	3MHz	16QAM	23025	1RB#14	21.75	PASS
Band12	3MHz	QPSK	23025	8RB#0	21.86	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.11	PASS
Band12	3MHz	QPSK	23025	8RB#4	21.87	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.13	PASS
Band12	3MHz	QPSK	23025	8RB#7	21.83	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.19	PASS
Band12	3MHz	QPSK	23025	15RB#0	21.85	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.08	PASS
Band12	3MHz	QPSK	23095	1RB#0	22.78	PASS
Band12	3MHz	16QAM	23095	1RB#0	21.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	22.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	21.67	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.68	PASS
Band12	3MHz	16QAM	23095	1RB#14	21.69	PASS
Band12	3MHz	QPSK	23095	8RB#0	21.67	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.13	PASS
Band12	3MHz	QPSK	23095	8RB#4	21.67	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.15	PASS
Band12	3MHz	QPSK	23095	8RB#7	21.74	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.16	PASS
Band12	3MHz	QPSK	23095	15RB#0	21.79	PASS
Band12	3MHz	16QAM	23095	15RB#0	20.85	PASS
Band12	3MHz	QPSK	23165	1RB#0	22.62	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.21	PASS
Band12	3MHz	QPSK	23165	1RB#8	22.63	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.19	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.57	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.06	PASS
Band12	3MHz	QPSK	23165	8RB#0	21.70	PASS
Band12	3MHz	16QAM	23165	8RB#0	20.93	PASS
Band12	3MHz	QPSK	23165	8RB#4	21.69	PASS
Band12	3MHz	16QAM	23165	8RB#4	20.92	PASS
Band12	3MHz	QPSK	23165	8RB#7	21.63	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.11	PASS
Band12	3MHz	QPSK	23165	15RB#0	21.70	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.01	PASS
Band12	5MHz	QPSK	23035	1RB#0	22.82	PASS
Band12	5MHz	16QAM	23035	1RB#0	21.41	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



Band12	5MHz	QPSK	23035	1RB#12	22.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	21.35	PASS
Band12	5MHz	QPSK	23035	1RB#24	22.70	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.31	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.09	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.08	PASS
Band12	5MHz	QPSK	23035	12RB#6	21.93	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.08	PASS
Band12	5MHz	QPSK	23035	12RB#13	21.81	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.01	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.05	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.17	PASS
Band12	5MHz	QPSK	23095	1RB#0	22.46	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.23	PASS
Band12	5MHz	QPSK	23095	1RB#12	22.30	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.17	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.46	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.10	PASS
Band12	5MHz	QPSK	23095	12RB#0	21.69	PASS
Band12	5MHz	16QAM	23095	12RB#0	20.99	PASS
Band12	5MHz	QPSK	23095	12RB#6	21.85	PASS
Band12	5MHz	16QAM	23095	12RB#6	20.99	PASS
Band12	5MHz	QPSK	23095	12RB#13	21.68	PASS
Band12	5MHz	16QAM	23095	12RB#13	20.96	PASS
Band12	5MHz	QPSK	23095	25RB#0	21.85	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.02	PASS
Band12	5MHz	QPSK	23155	1RB#0	22.89	PASS
Band12	5MHz	16QAM	23155	1RB#0	21.73	PASS
Band12	5MHz	QPSK	23155	1RB#12	22.86	PASS
Band12	5MHz	16QAM	23155	1RB#12	21.68	PASS
Band12	5MHz	QPSK	23155	1RB#24	22.81	PASS
Band12	5MHz	16QAM	23155	1RB#24	21.89	PASS
Band12	5MHz	QPSK	23155	12RB#0	21.71	PASS
Band12	5MHz	16QAM	23155	12RB#0	20.89	PASS
Band12	5MHz	QPSK	23155	12RB#6	21.70	PASS
Band12	5MHz	16QAM	23155	12RB#6	20.93	PASS
Band12	5MHz	QPSK	23155	12RB#13	21.74	PASS
Band12	5MHz	16QAM	23155	12RB#13	20.90	PASS
Band12	5MHz	QPSK	23155	25RB#0	21.66	PASS
Band12	5MHz	16QAM	23155	25RB#0	20.99	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



Band12	10MHz	QPSK	23060	1RB#0	22.70	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.07	PASS
Band12	10MHz	QPSK	23060	1RB#24	22.56	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.01	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.51	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.92	PASS
Band12	10MHz	QPSK	23060	25RB#0	21.95	PASS
Band12	10MHz	16QAM	23060	25RB#0	20.99	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.14	PASS
Band12	10MHz	16QAM	23060	25RB#12	20.99	PASS
Band12	10MHz	QPSK	23060	25RB#25	21.63	PASS
Band12	10MHz	16QAM	23060	25RB#25	20.92	PASS
Band12	10MHz	QPSK	23060	50RB#0	21.83	PASS
Band12	10MHz	16QAM	23060	50RB#0	20.96	PASS
Band12	10MHz	QPSK	23095	1RB#0	22.91	PASS
Band12	10MHz	16QAM	23095	1RB#0	21.79	PASS
Band12	10MHz	QPSK	23095	1RB#24	22.80	PASS
Band12	10MHz	16QAM	23095	1RB#24	21.81	PASS
Band12	10MHz	16QAM	23095	1RB#49	21.76	PASS
Band12	10MHz	QPSK	23095	25RB#0	21.87	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.15	PASS
Band12	10MHz	QPSK	23095	25RB#12	21.88	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.04	PASS
Band12	10MHz	QPSK	23095	25RB#25	21.71	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.03	PASS
Band12	10MHz	QPSK	23095	50RB#0	21.87	PASS
Band12	10MHz	16QAM	23095	50RB#0	20.96	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.53	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.59	PASS
Band12	10MHz	QPSK	23130	1RB#24	22.54	PASS
Band12	10MHz	QPSK	23130	25RB#12	21.66	PASS
Band12	10MHz	16QAM	23130	25RB#12	20.96	PASS
Band12	10MHz	QPSK	23130	25RB#25	21.64	PASS
Band12	10MHz	16QAM	23130	25RB#25	20.96	PASS
Band12	10MHz	QPSK	23130	50RB#0	21.76	PASS
Band12	10MHz	16QAM	23130	50RB#0	20.91	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	22.76	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.09	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.57	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.15	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



Band12	1.4MHz	QPSK	23173	1RB#2	22.50	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	21.74	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	22.64	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	21.51	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	21.69	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	20.88	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.75	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.61	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.50	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.49	PASS
Band12	10MHz	QPSK	23130	25RB#0	21.65	PASS
Band12	10MHz	16QAM	23130	25RB#0	20.96	PASS





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

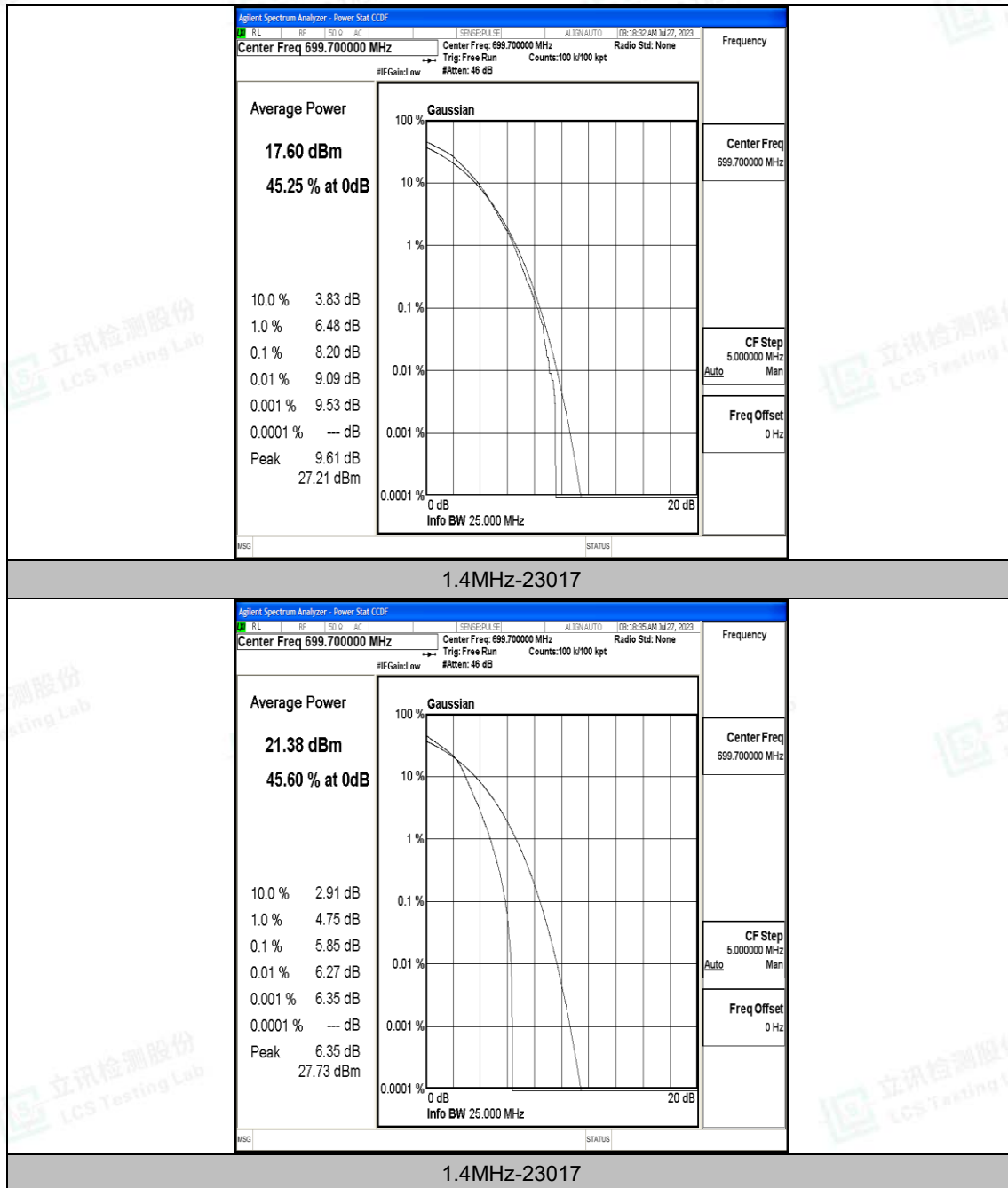
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	8.20	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.85	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	7.29	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.41	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.89	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.38	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	5.83	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	5.90	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.23	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.41	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.11	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.97	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.41	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.21	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	6.88	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.07	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.13	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.73	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.27	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.52	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.17	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.99	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.04	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.26	13	PASS





Test Graphs

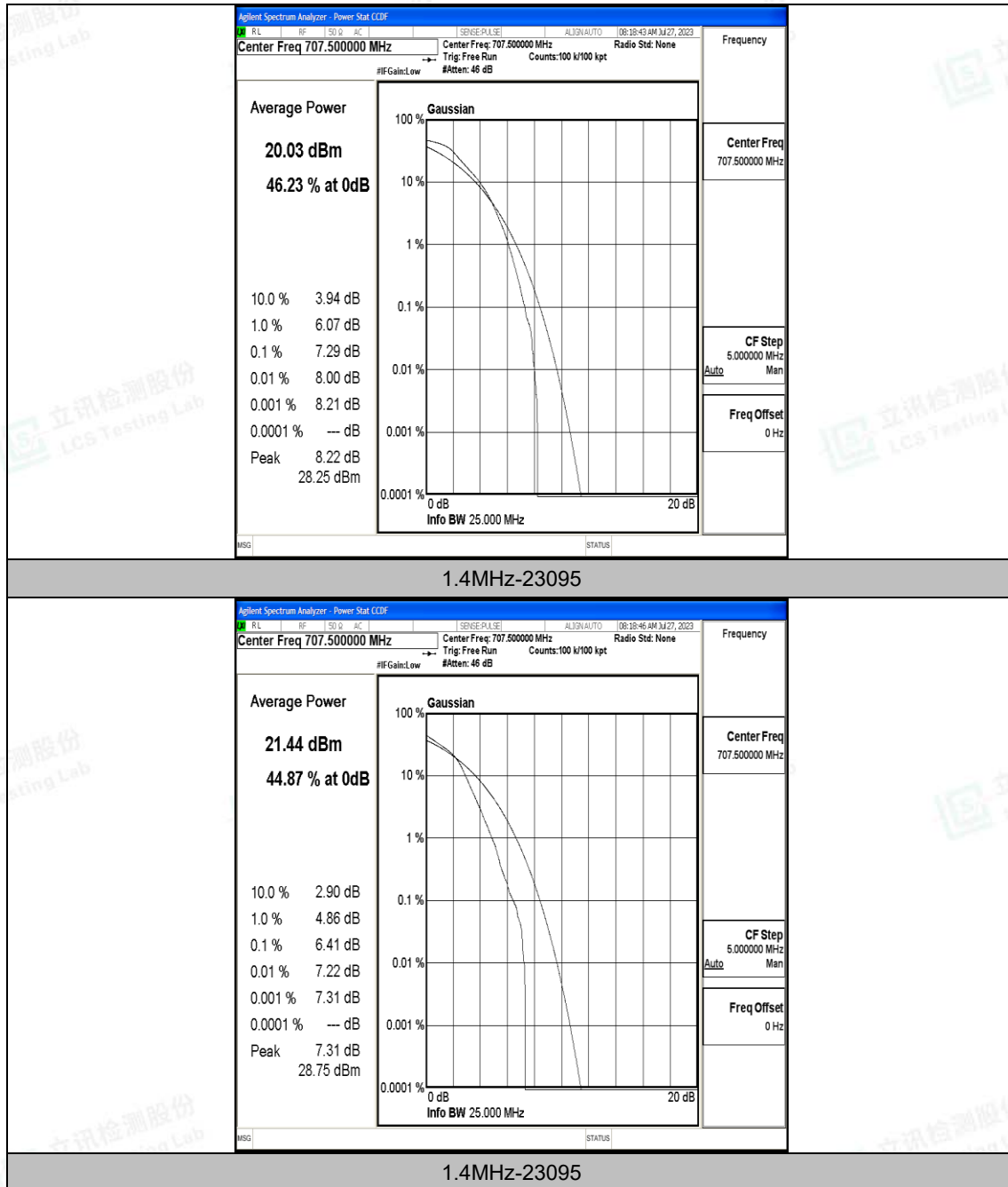


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity

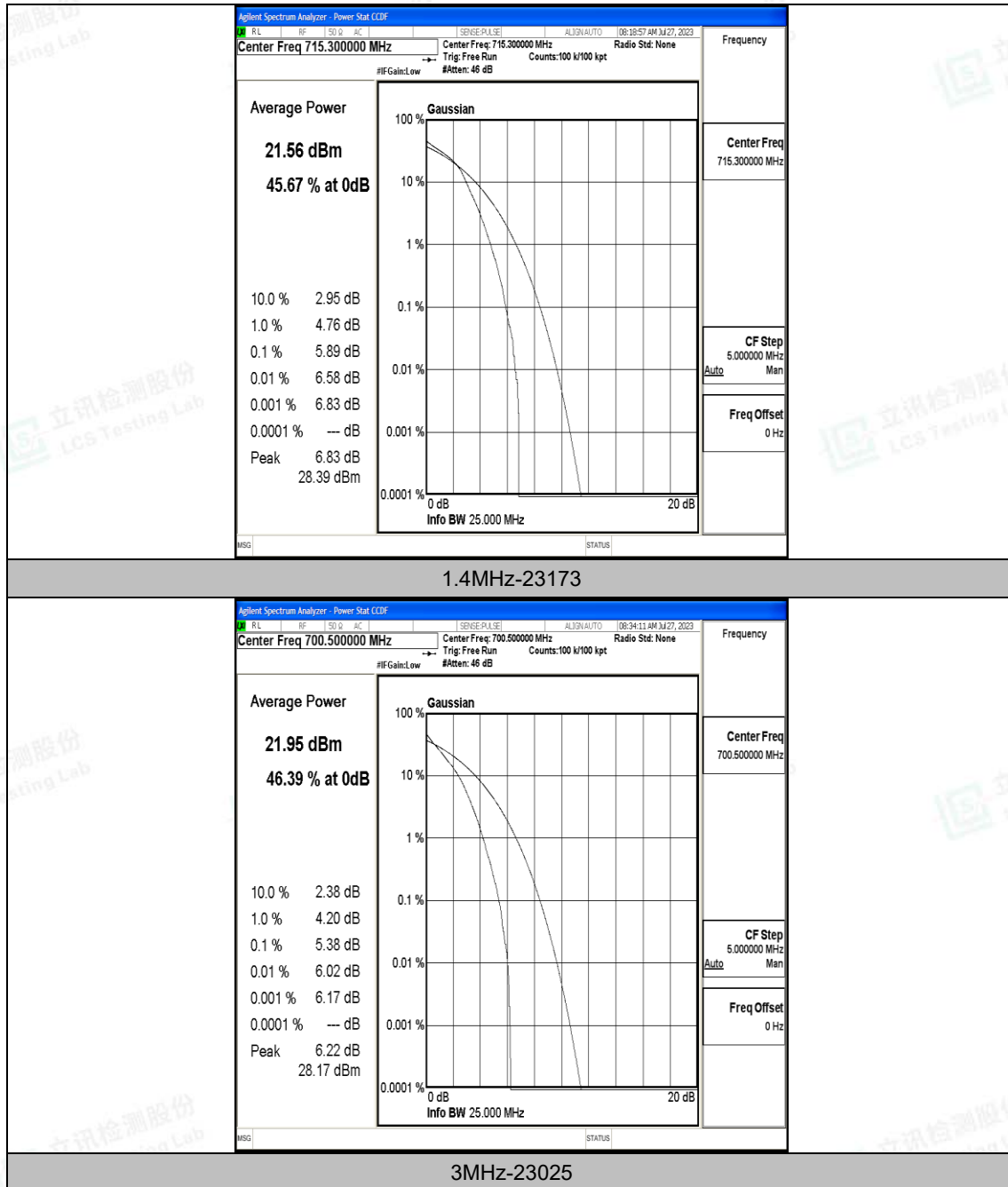


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity

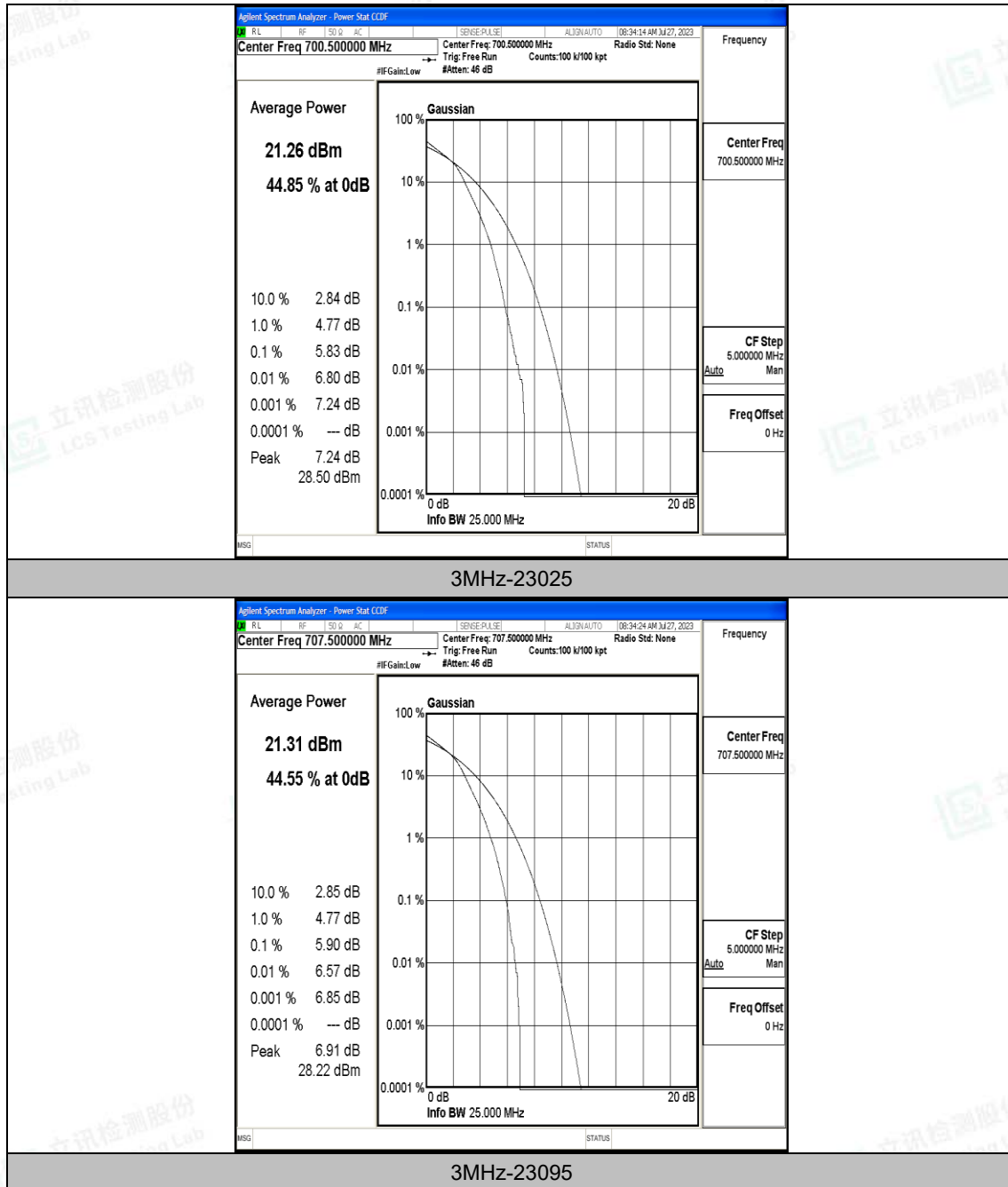


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity

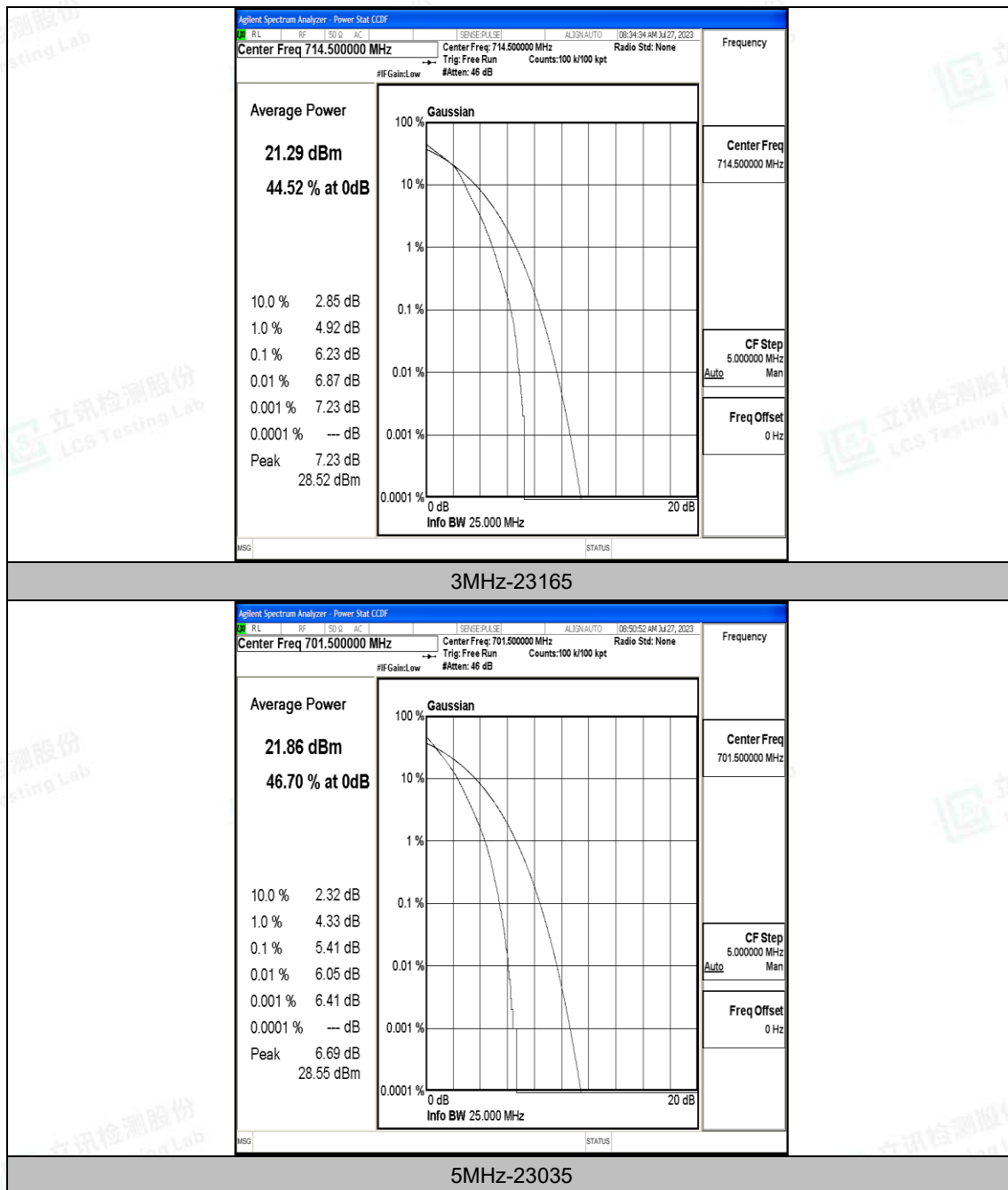


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity

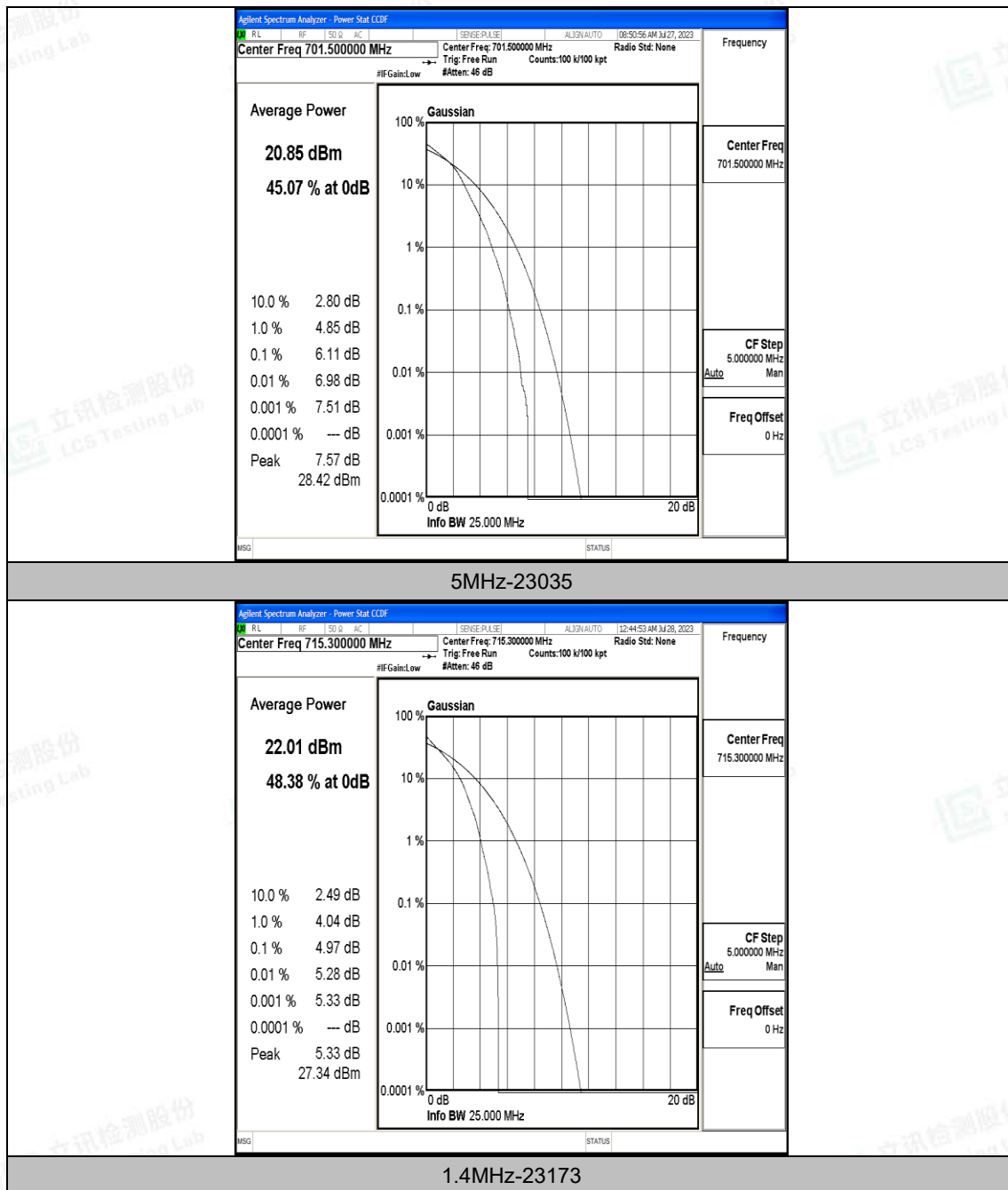


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity

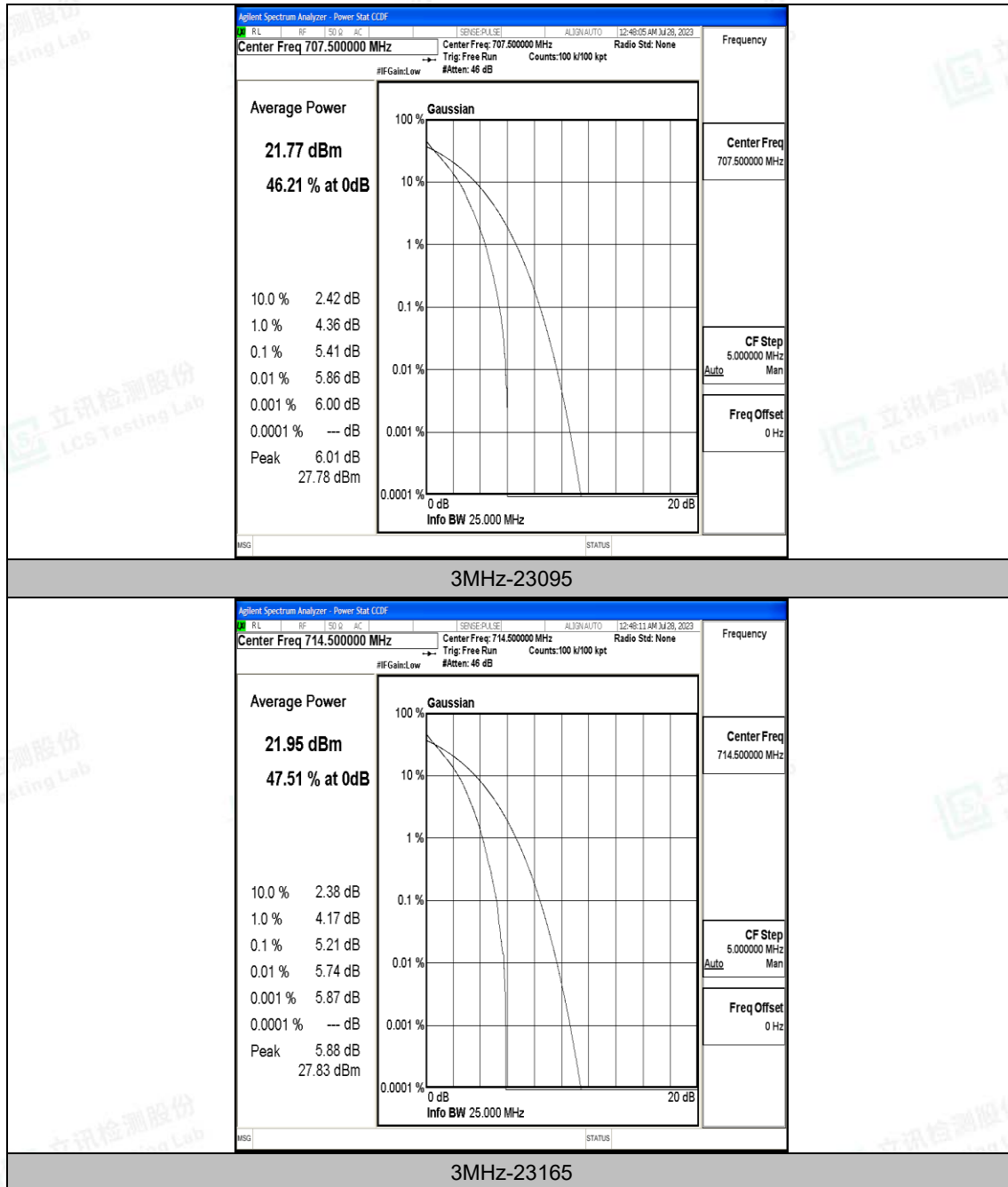


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity

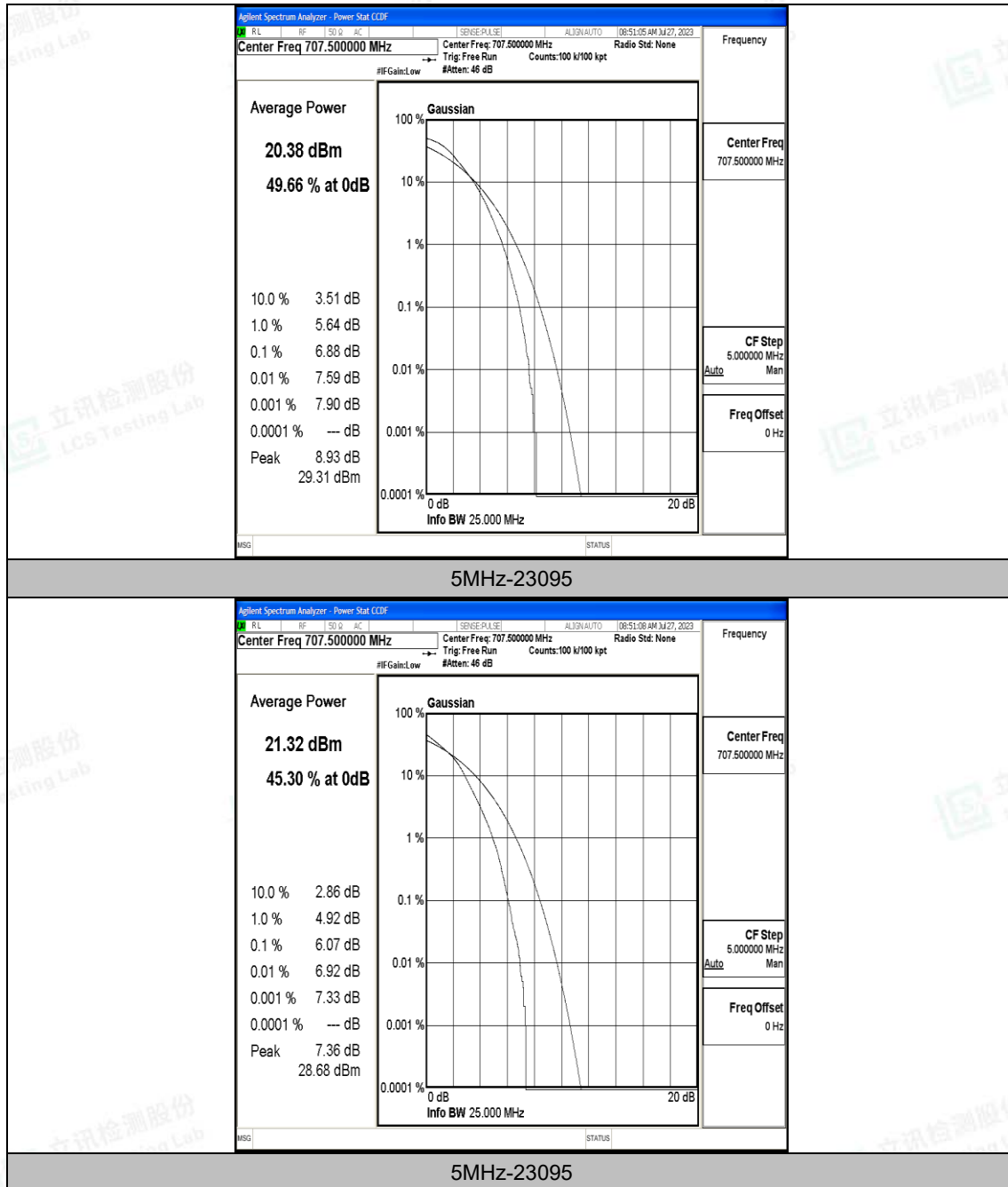


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity

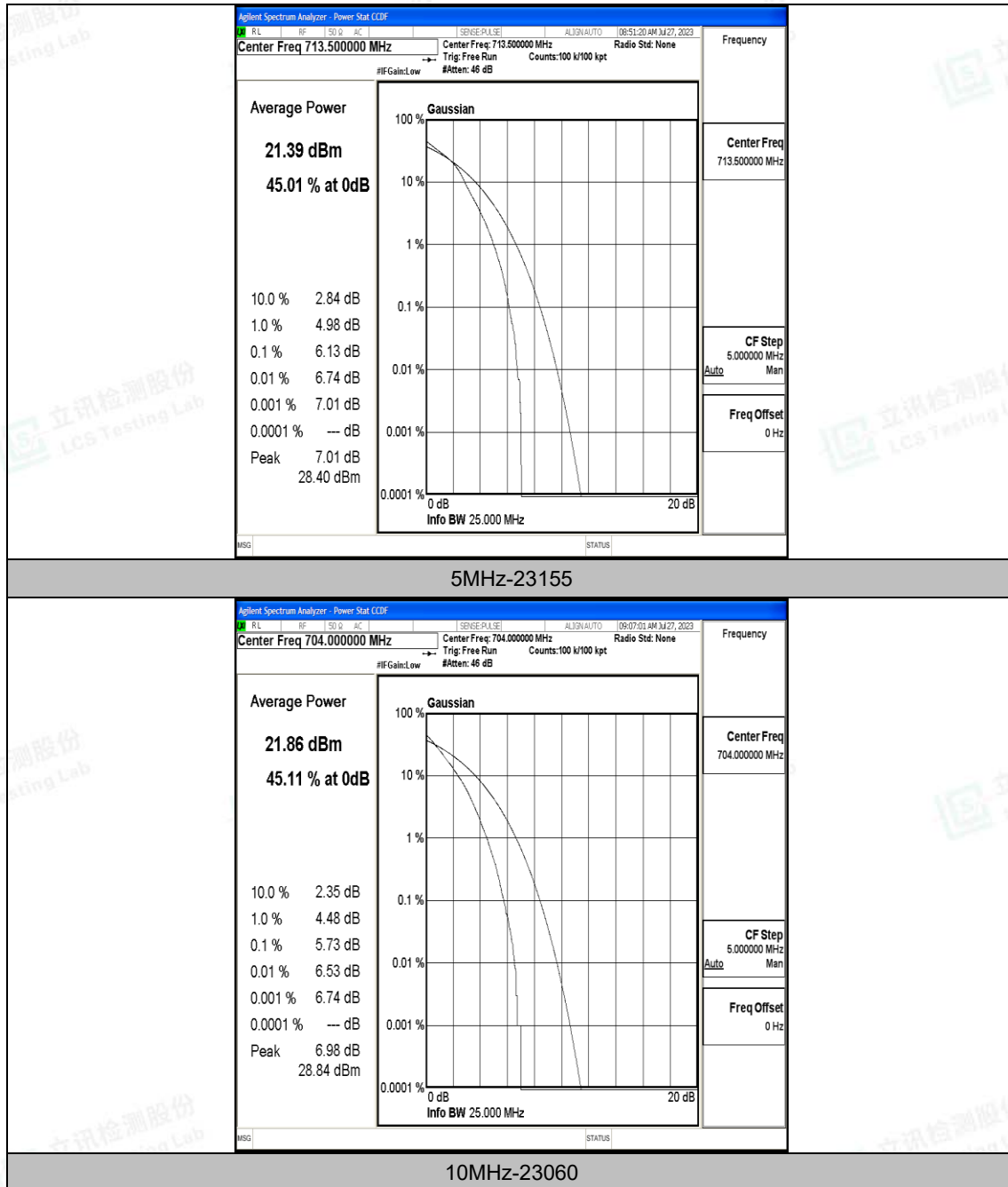


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity

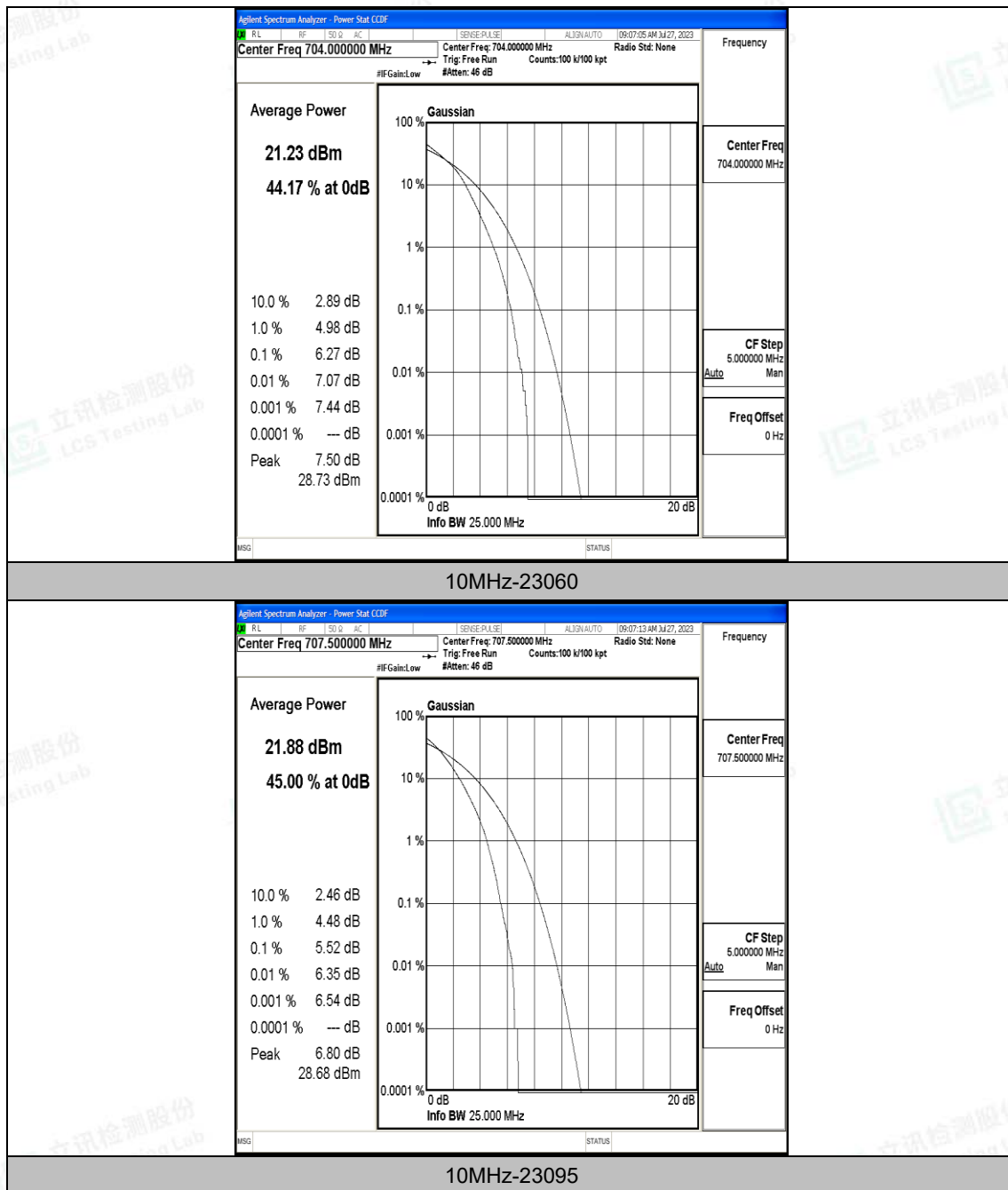


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity

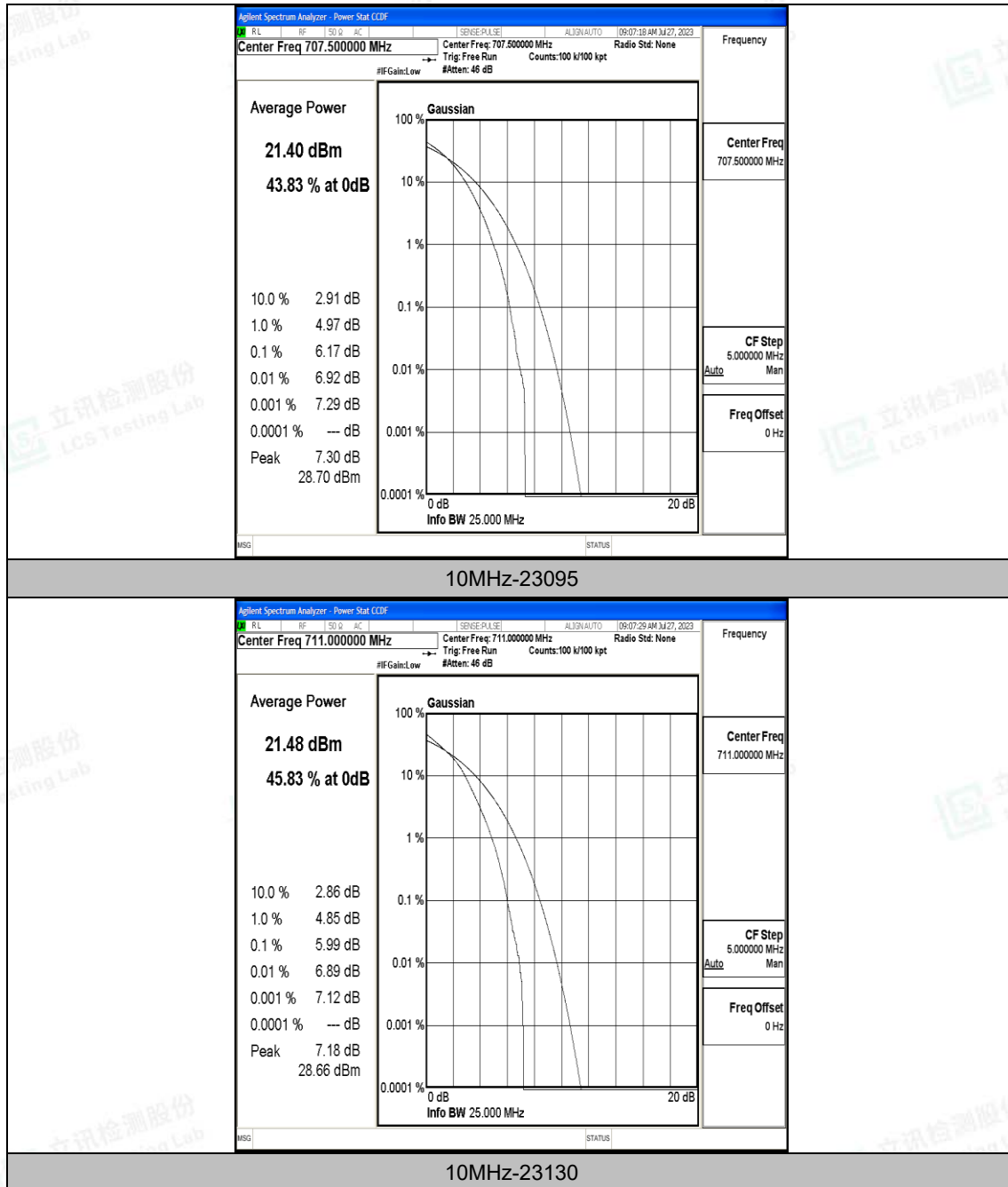


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity

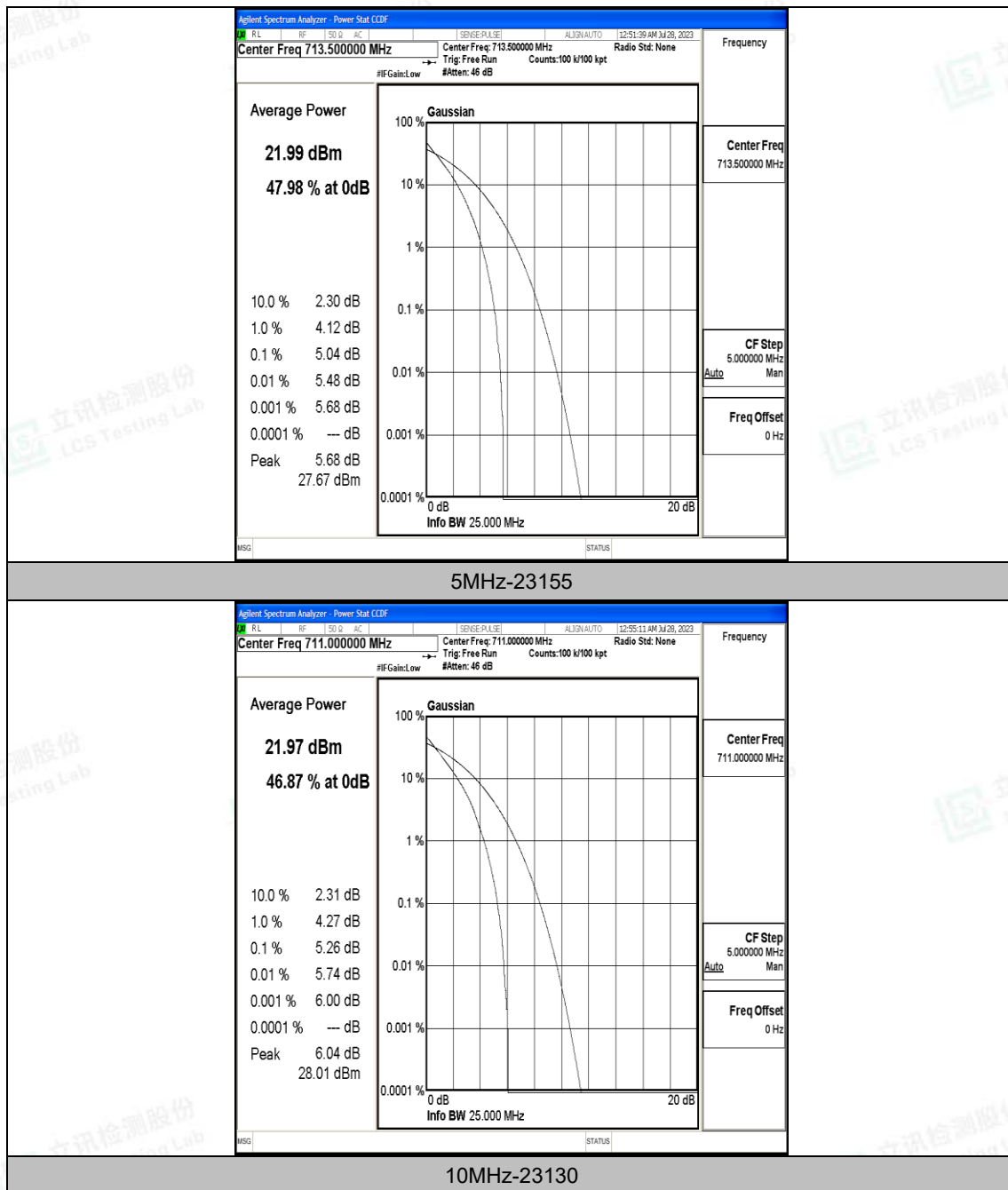


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity



Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity



G.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0998	1.240	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1048	1.248	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0963	1.248	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0900	1.247	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0963	1.248	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0880	1.240	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6968	2.986	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.7003	3.020	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7020	3.023	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7054	3.041	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7110	3.004	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7021	3.023	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5210	4.980	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5075	4.950	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5105	4.977	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5049	4.992	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5272	4.986	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5094	4.965	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0415	9.958	PASS
Band12	10MHz	16QAM	23060	50RB#0	9.0262	9.955	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9812	9.783	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9640	9.821	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9657	9.868	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9615	9.937	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

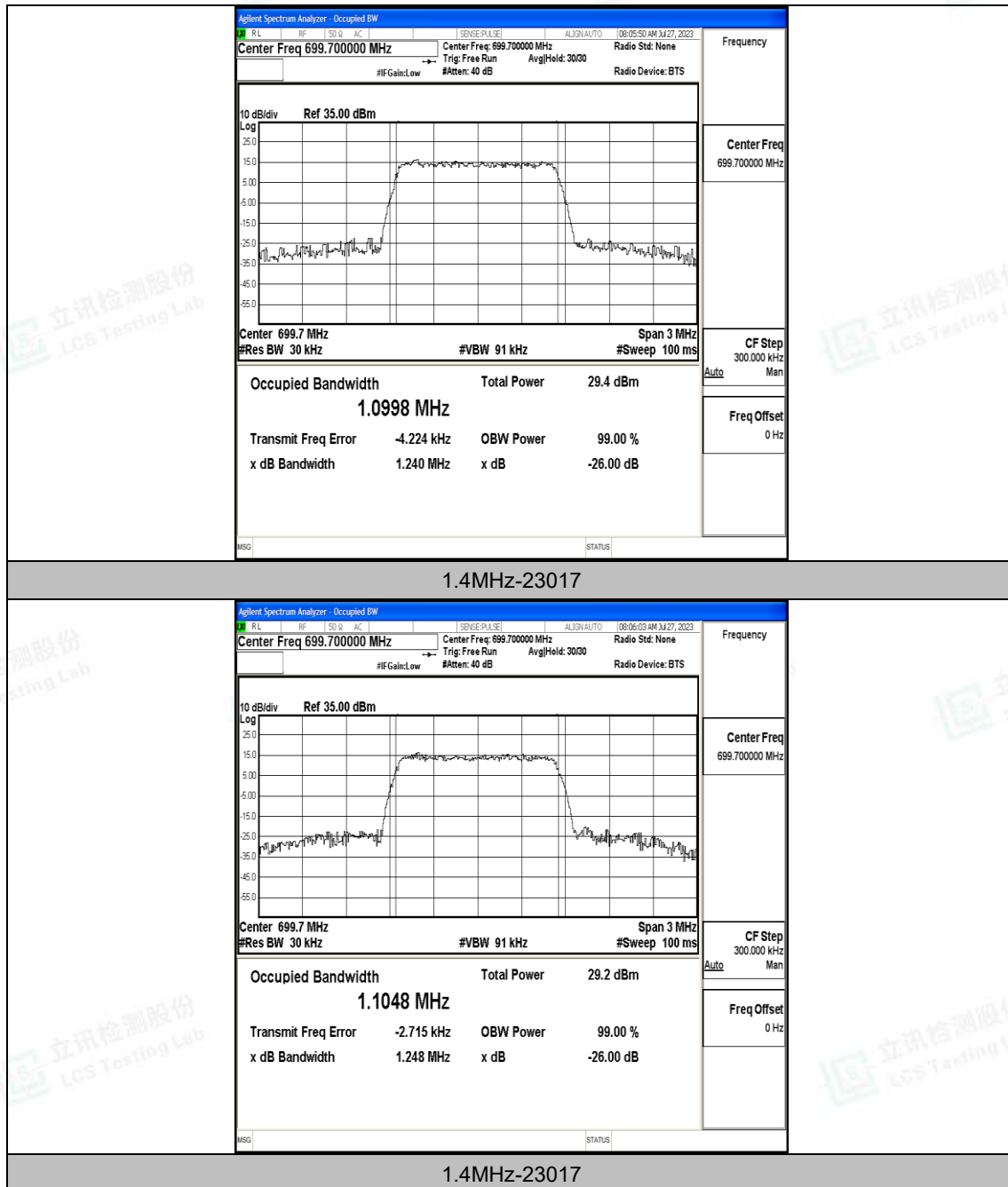
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

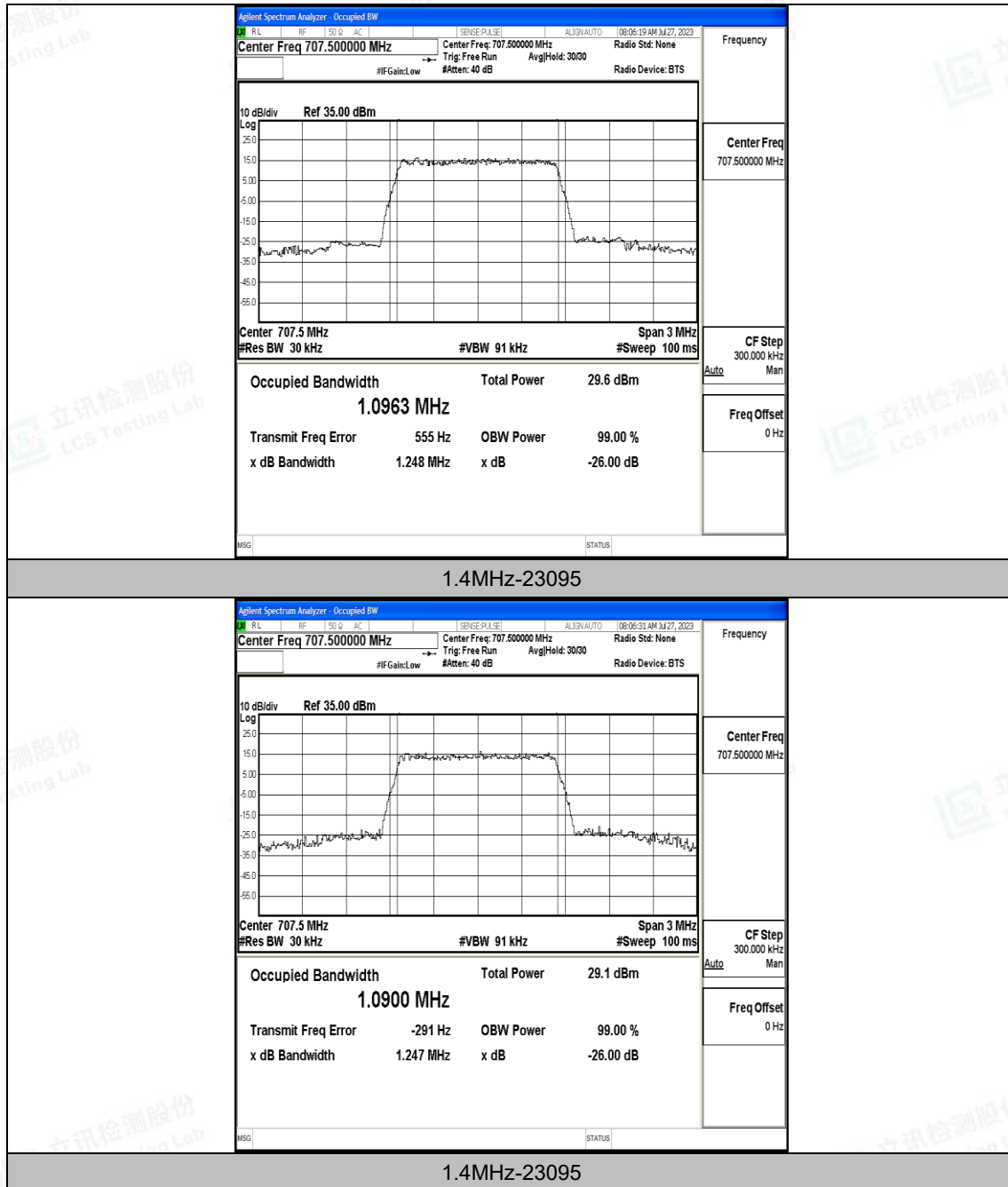
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



Test Graphs



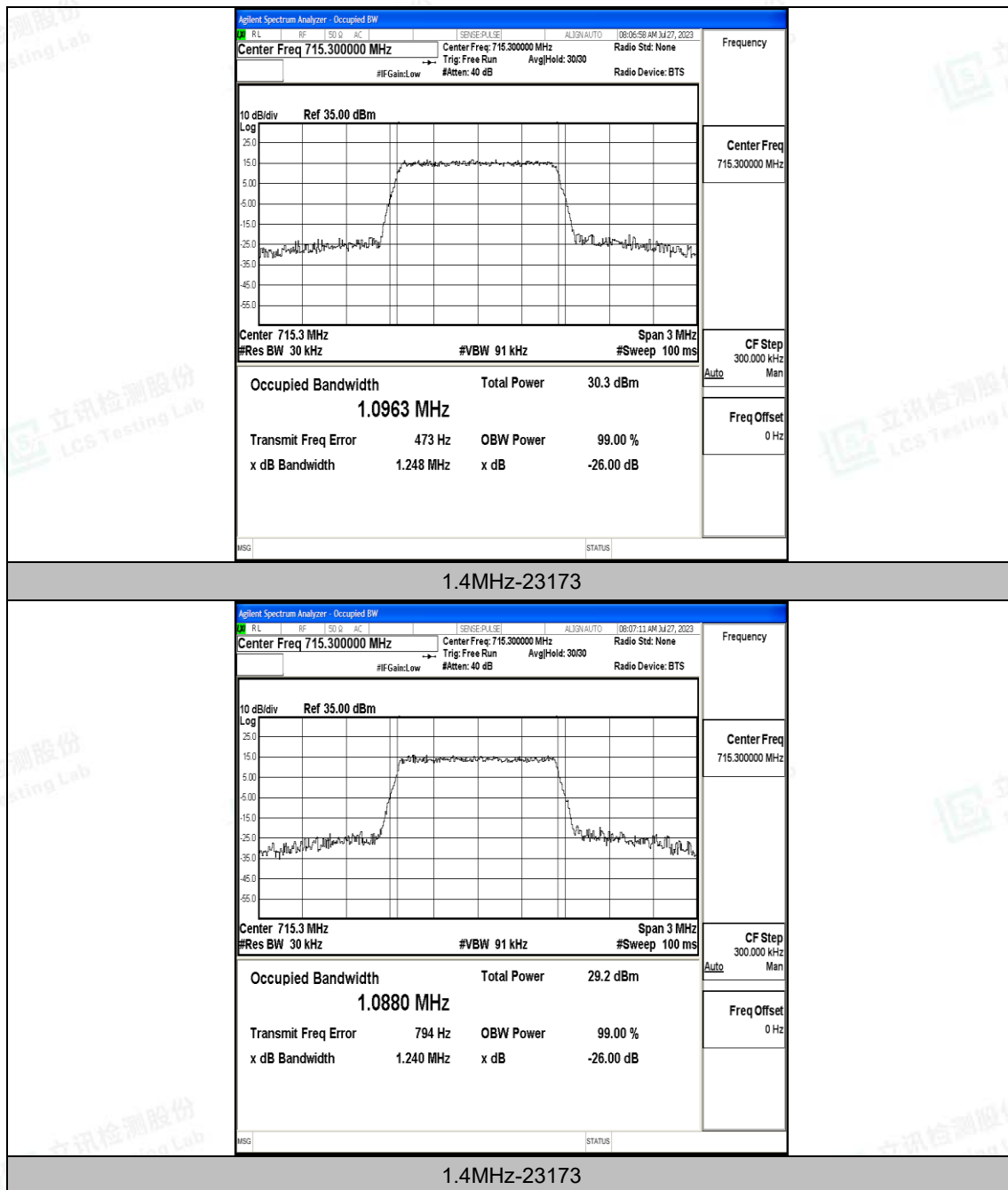


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

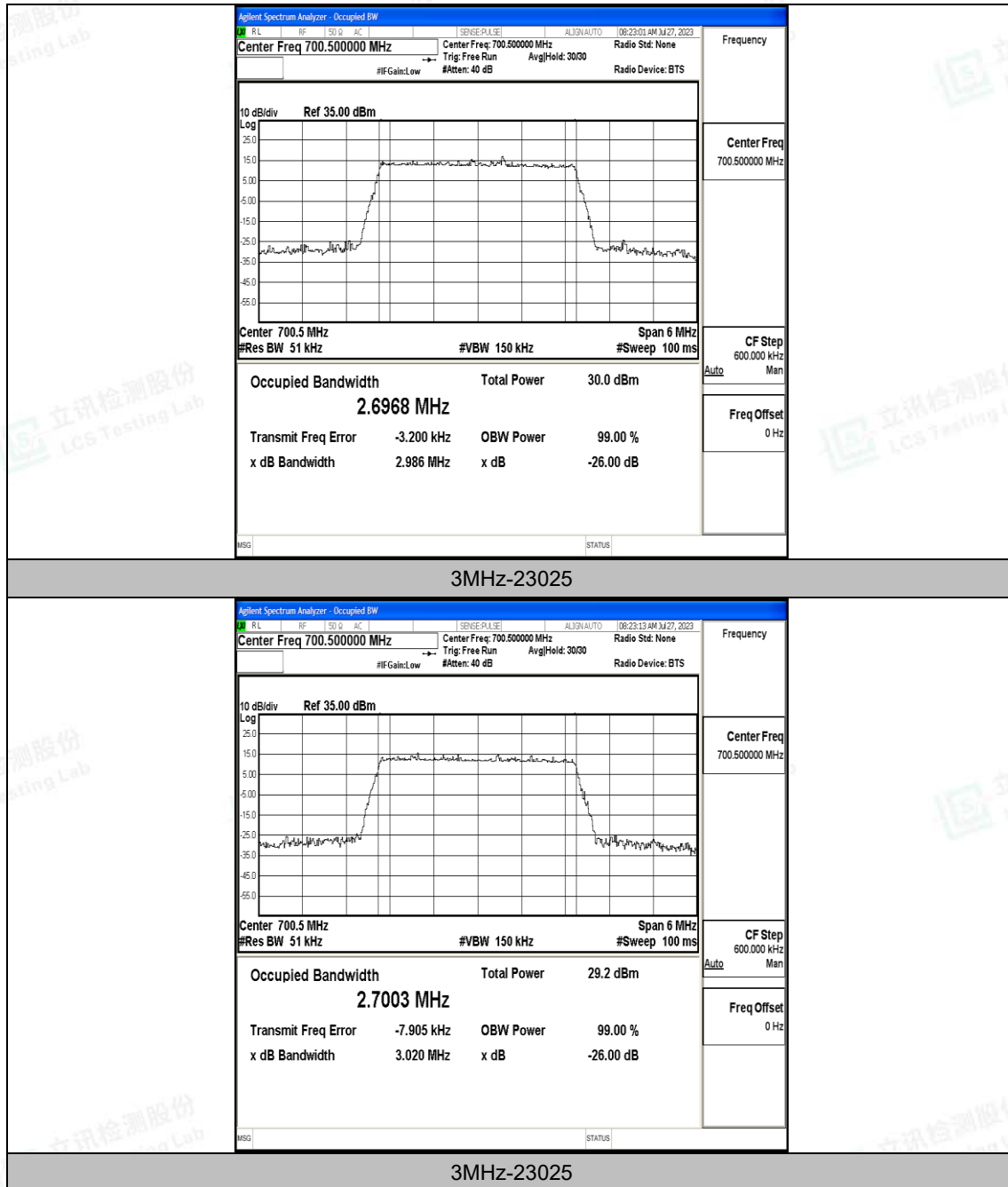


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

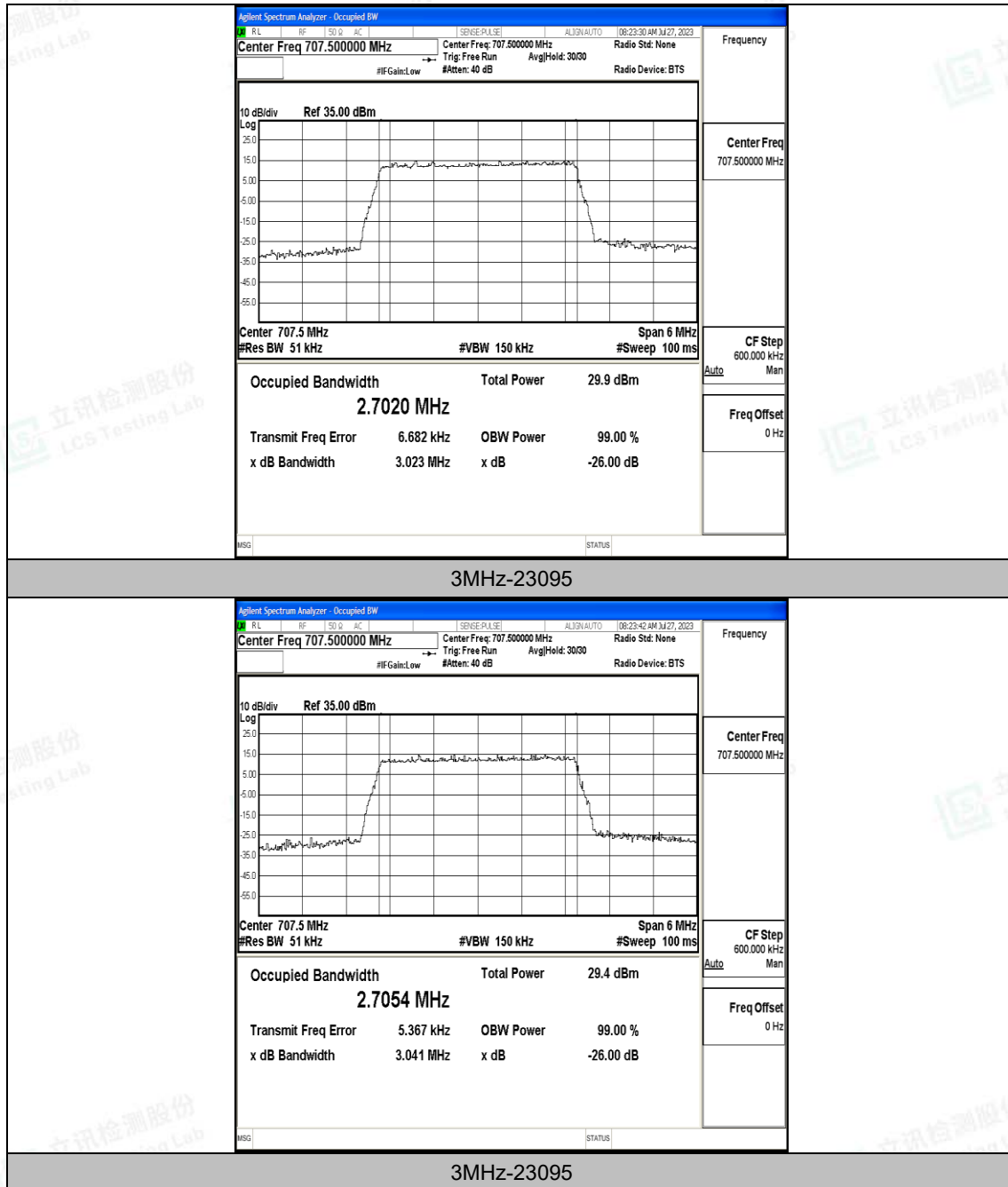


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

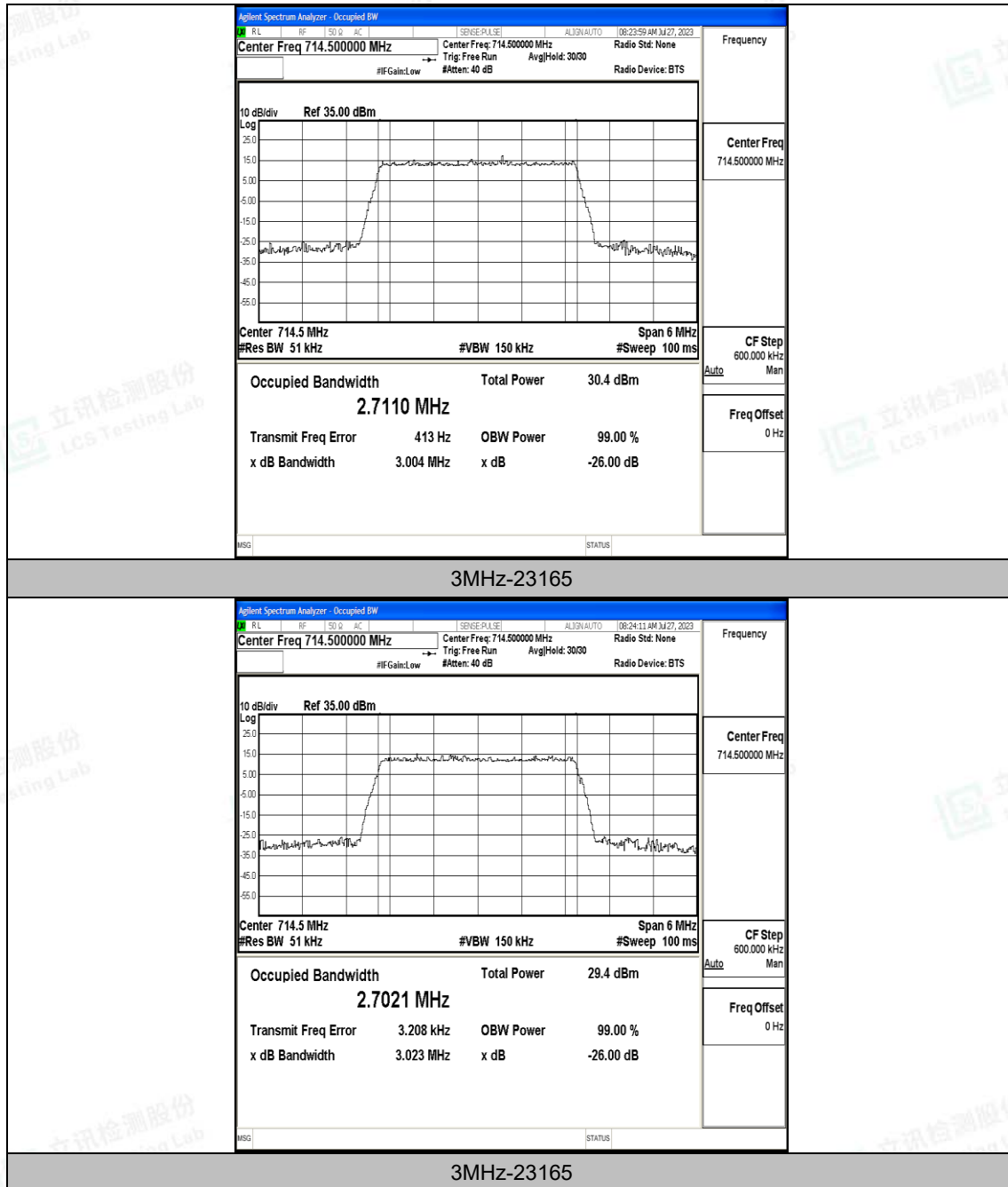


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

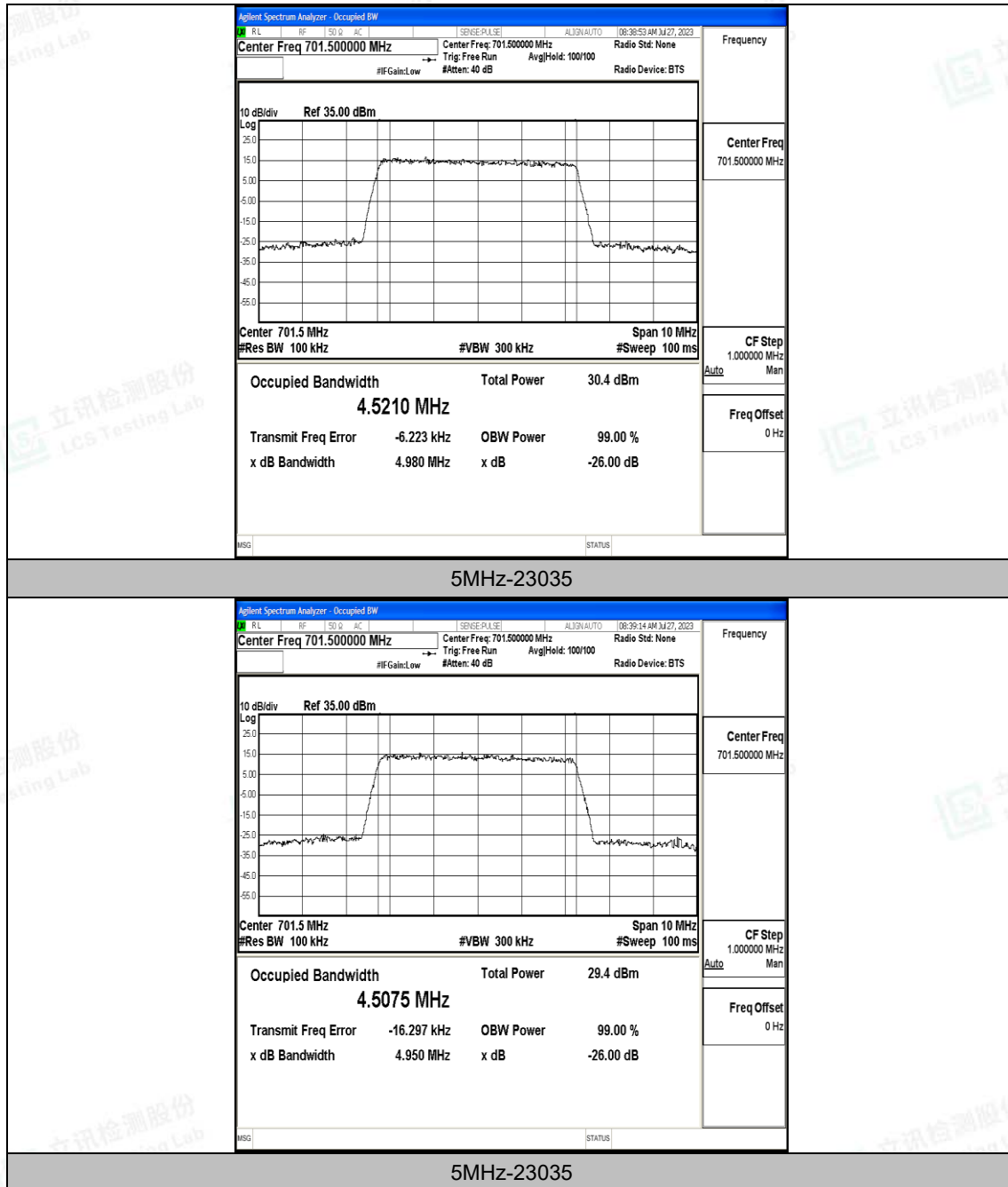


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

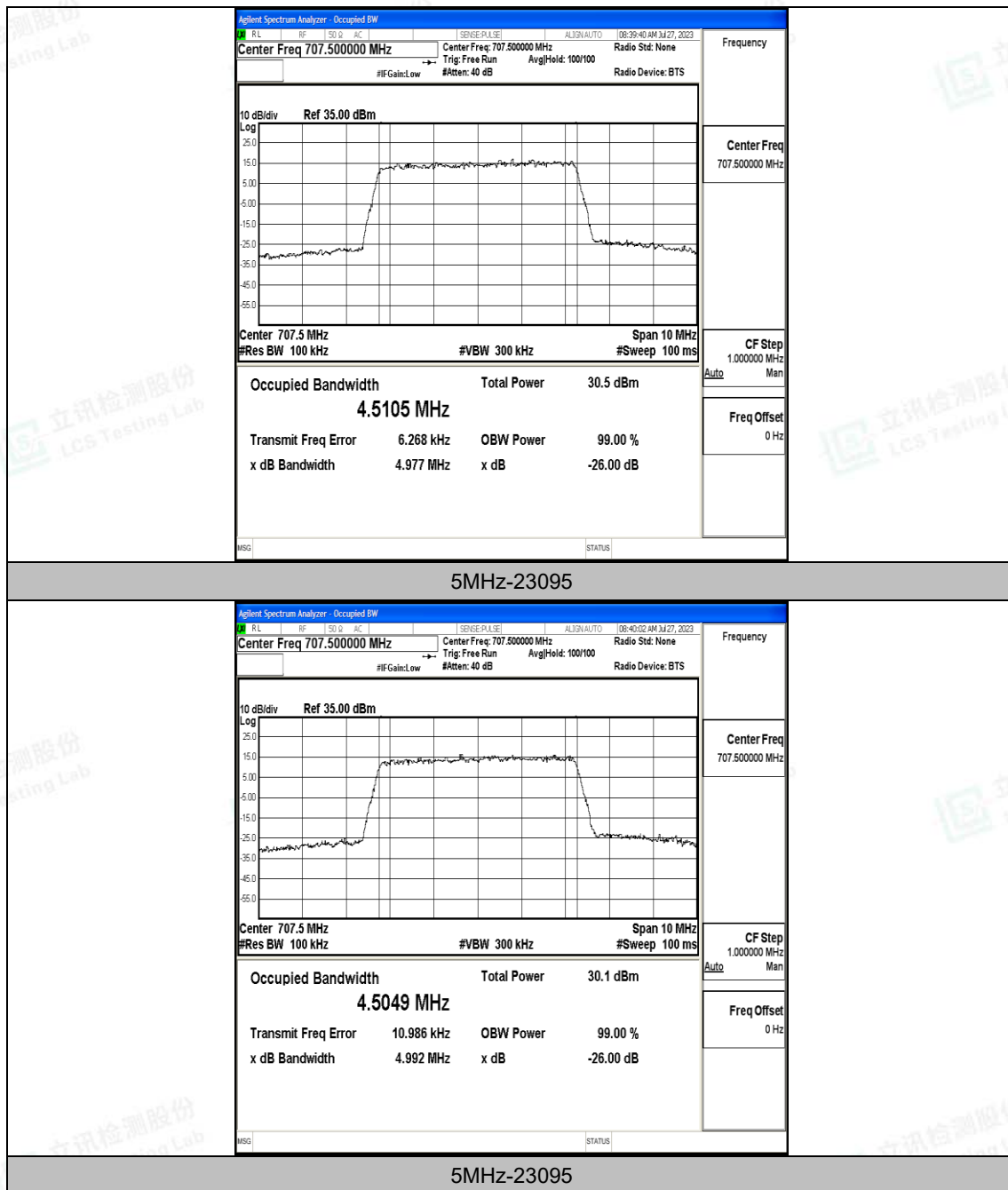


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

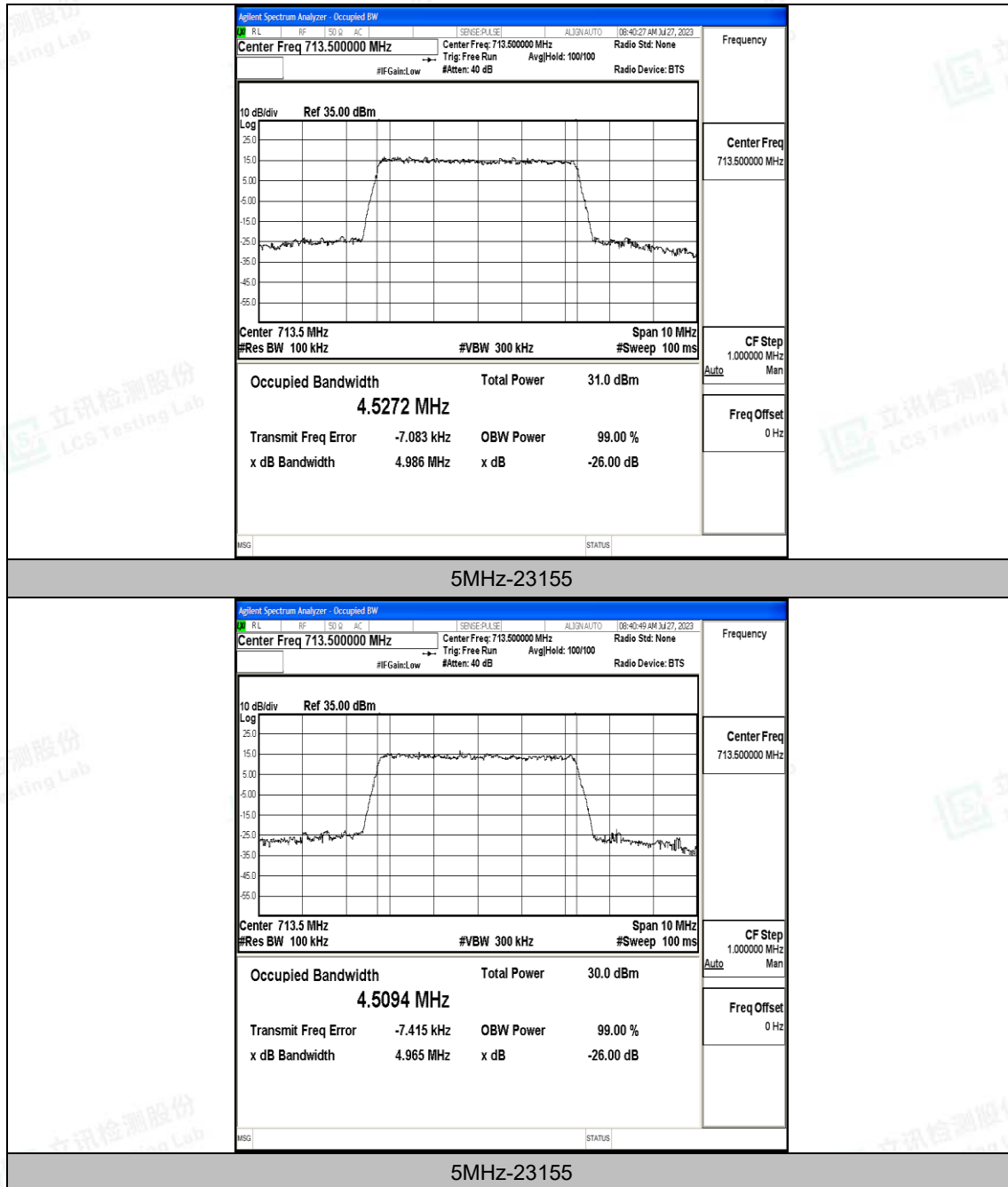


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

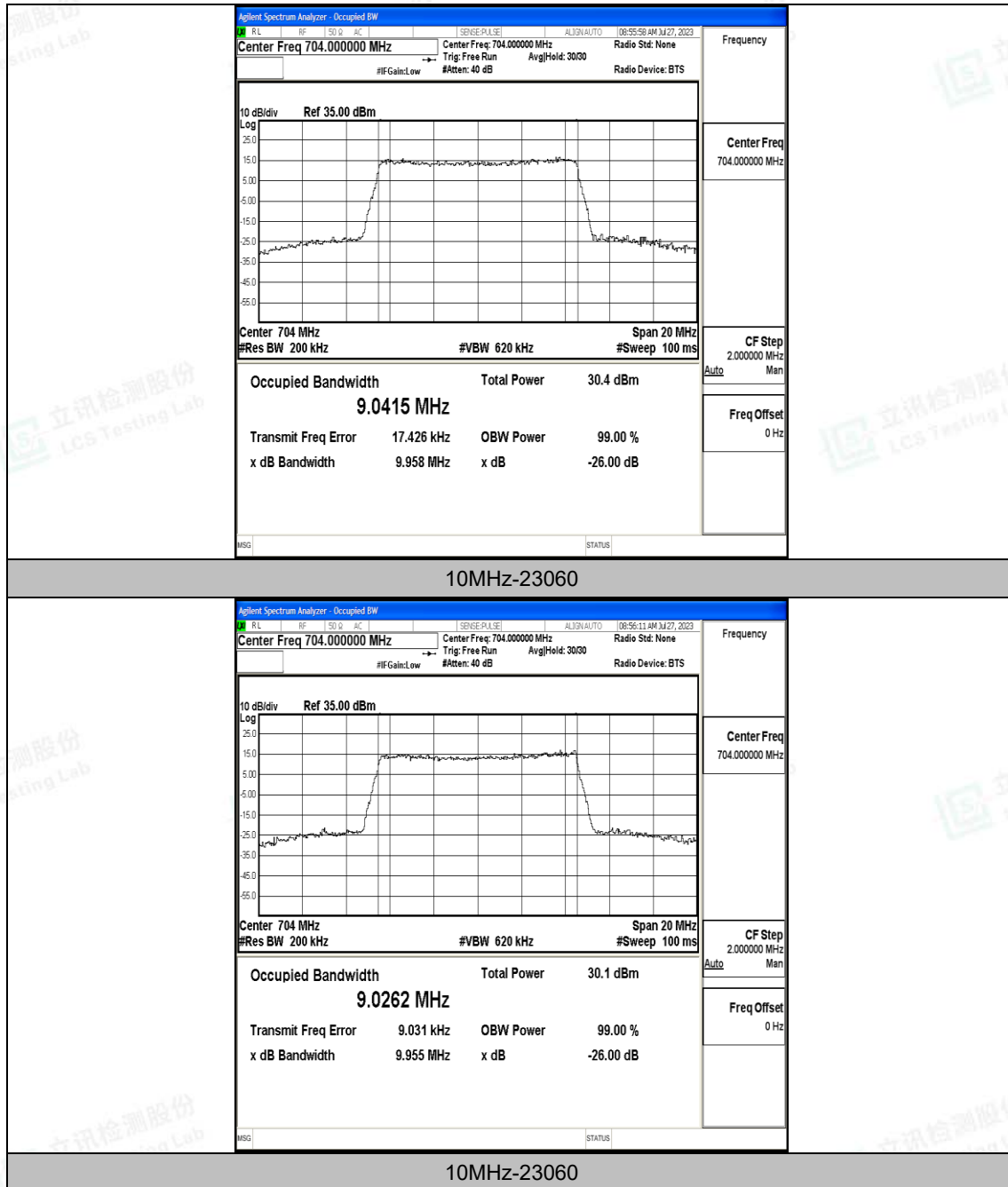


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

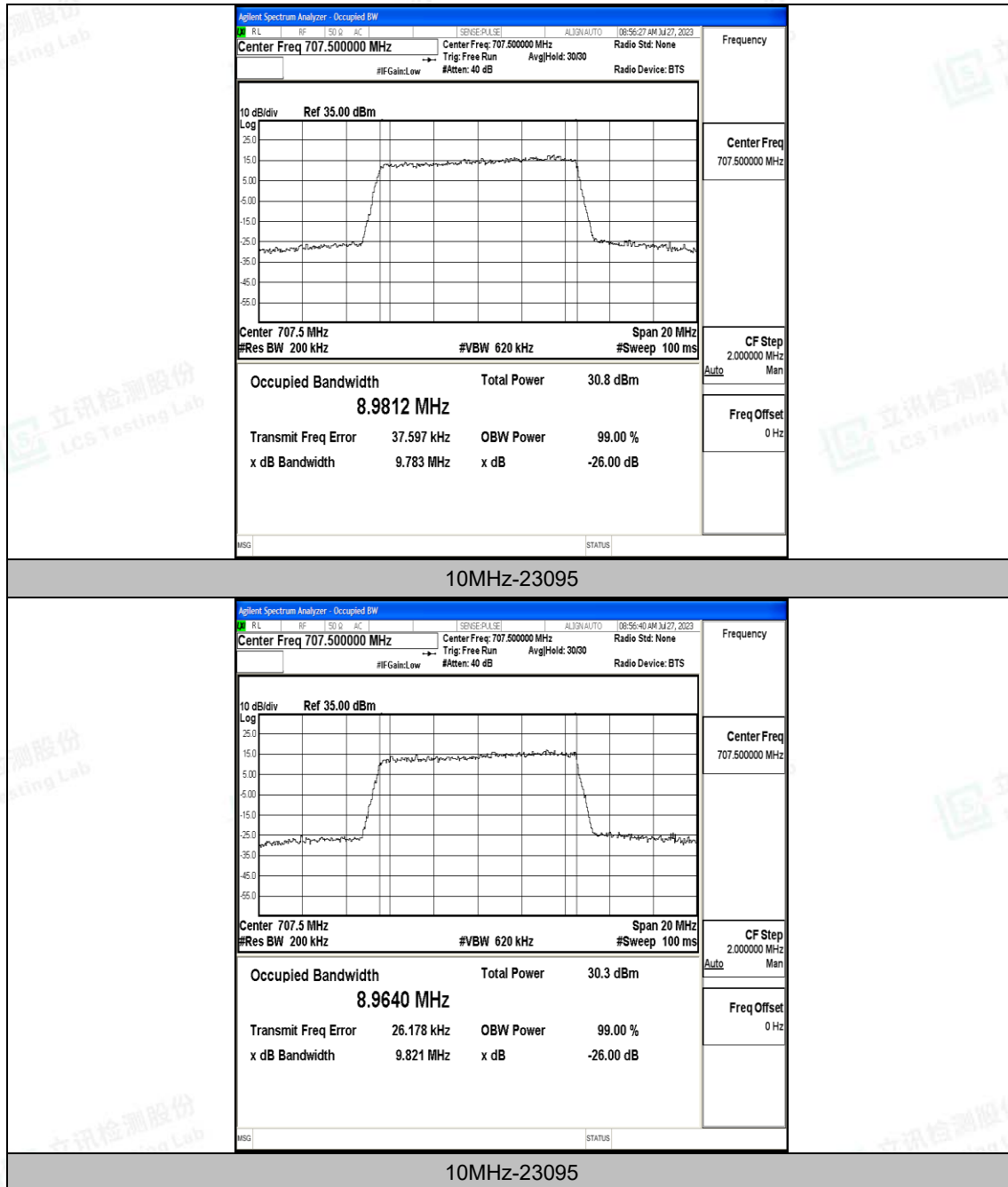


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

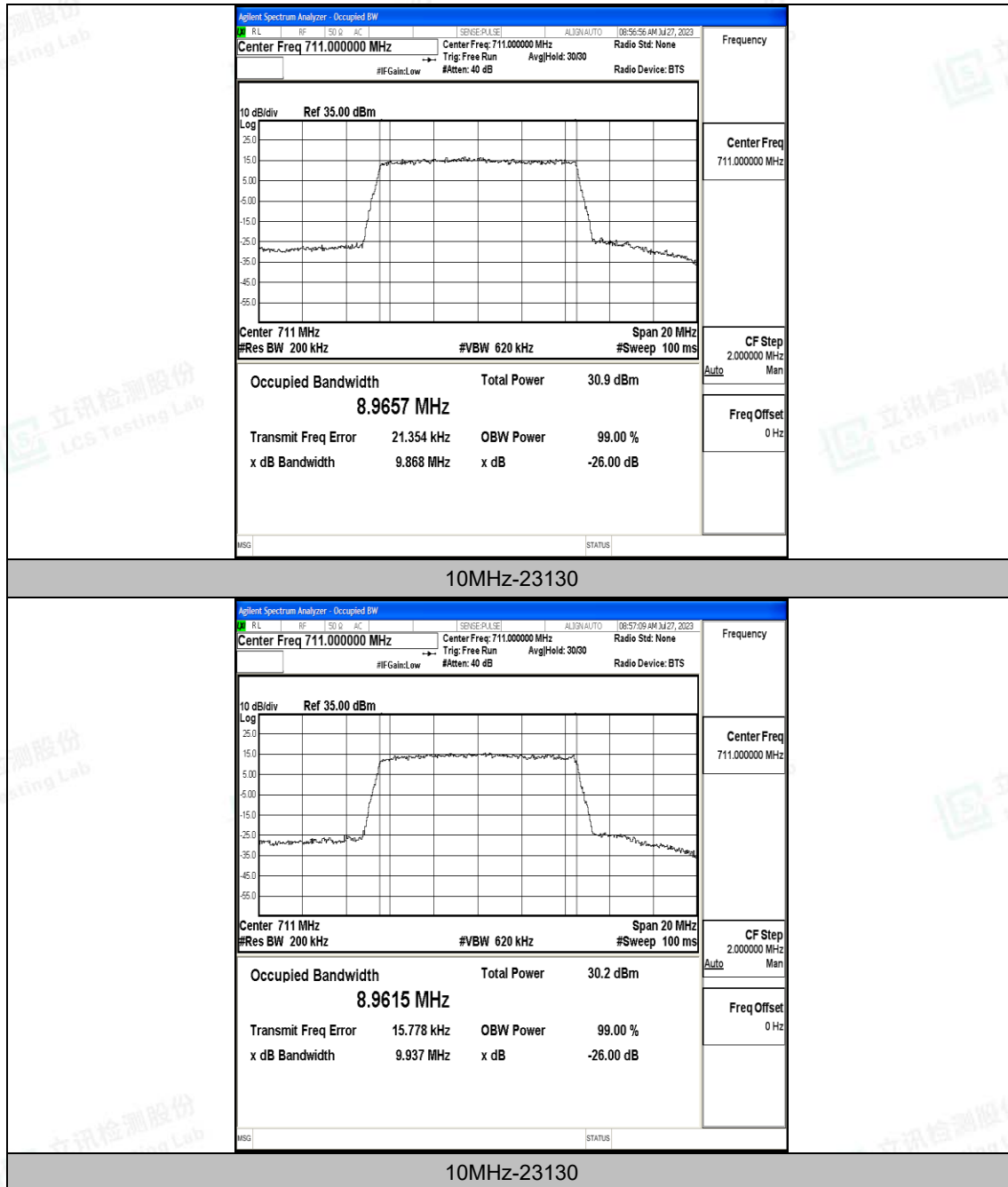


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

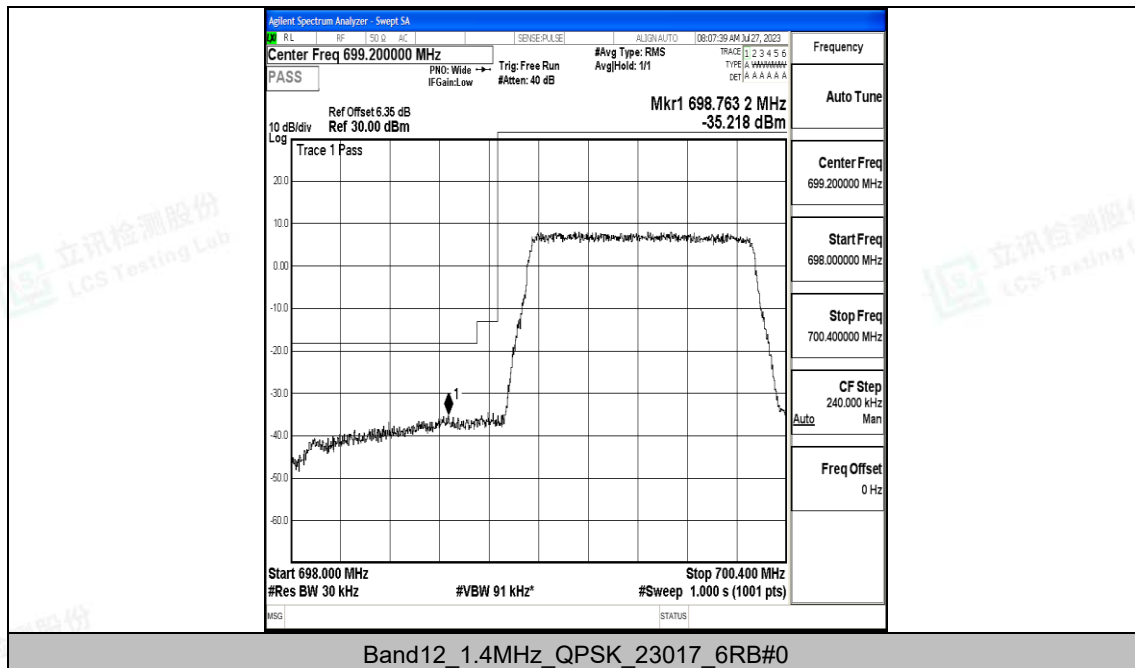


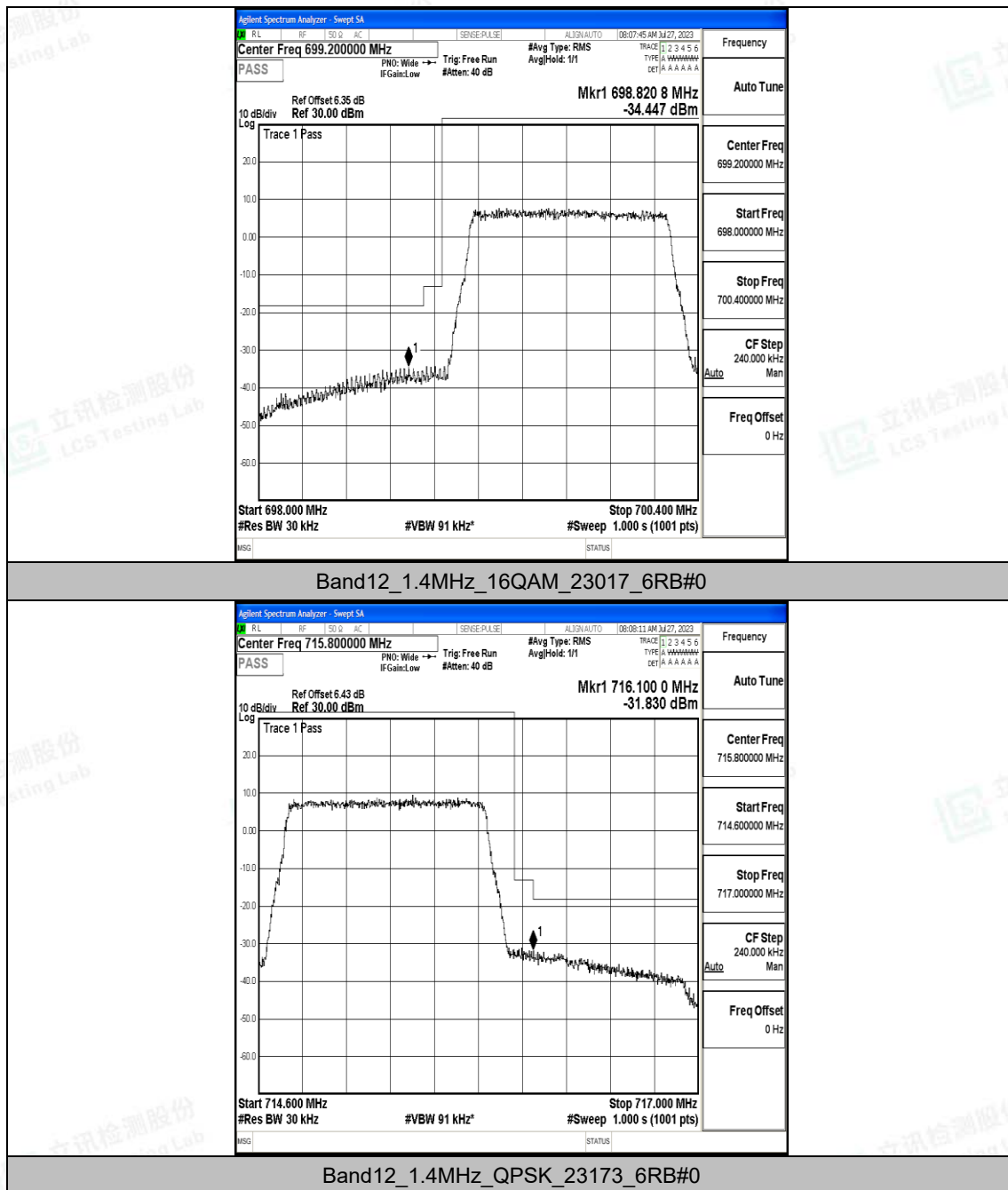
G.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	698.76	-35.22	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	698.82	-34.45	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	716.10	-31.83	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	716.14	-31.48	PASS
Band12	3MHz	QPSK	23025	15RB#0	698.99	-25.29	PASS
Band12	3MHz	16QAM	23025	15RB#0	698.99	-26.17	PASS
Band12	3MHz	QPSK	23165	15RB#0	716.00	-25.28	PASS
Band12	3MHz	16QAM	23165	15RB#0	716.00	-26.53	PASS
Band12	5MHz	QPSK	23035	25RB#0	698.71	-37.97	PASS
Band12	5MHz	16QAM	23035	25RB#0	698.99	-33.55	PASS
Band12	5MHz	QPSK	23155	25RB#0	716.00	-33.79	PASS
Band12	5MHz	16QAM	23155	25RB#0	716.00	-35.56	PASS
Band12	10MHz	QPSK	23060	50RB#0	698.89	-39.43	PASS
Band12	10MHz	16QAM	23060	50RB#0	698.89	-39.92	PASS
Band12	10MHz	QPSK	23130	50RB#0	716.15	-40.38	PASS
Band12	10MHz	16QAM	23130	50RB#0	716.29	-41.92	PASS

Test Graphs



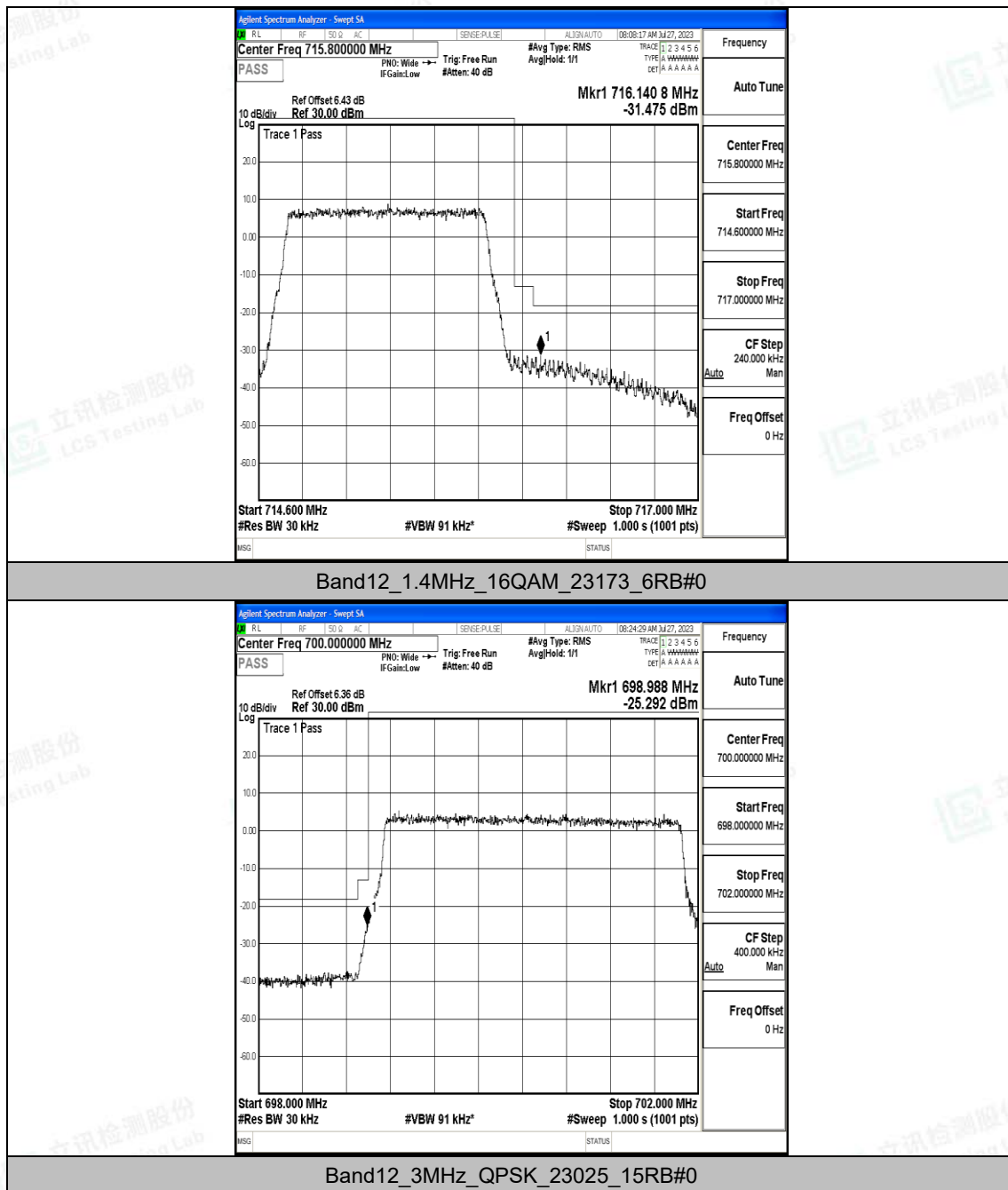


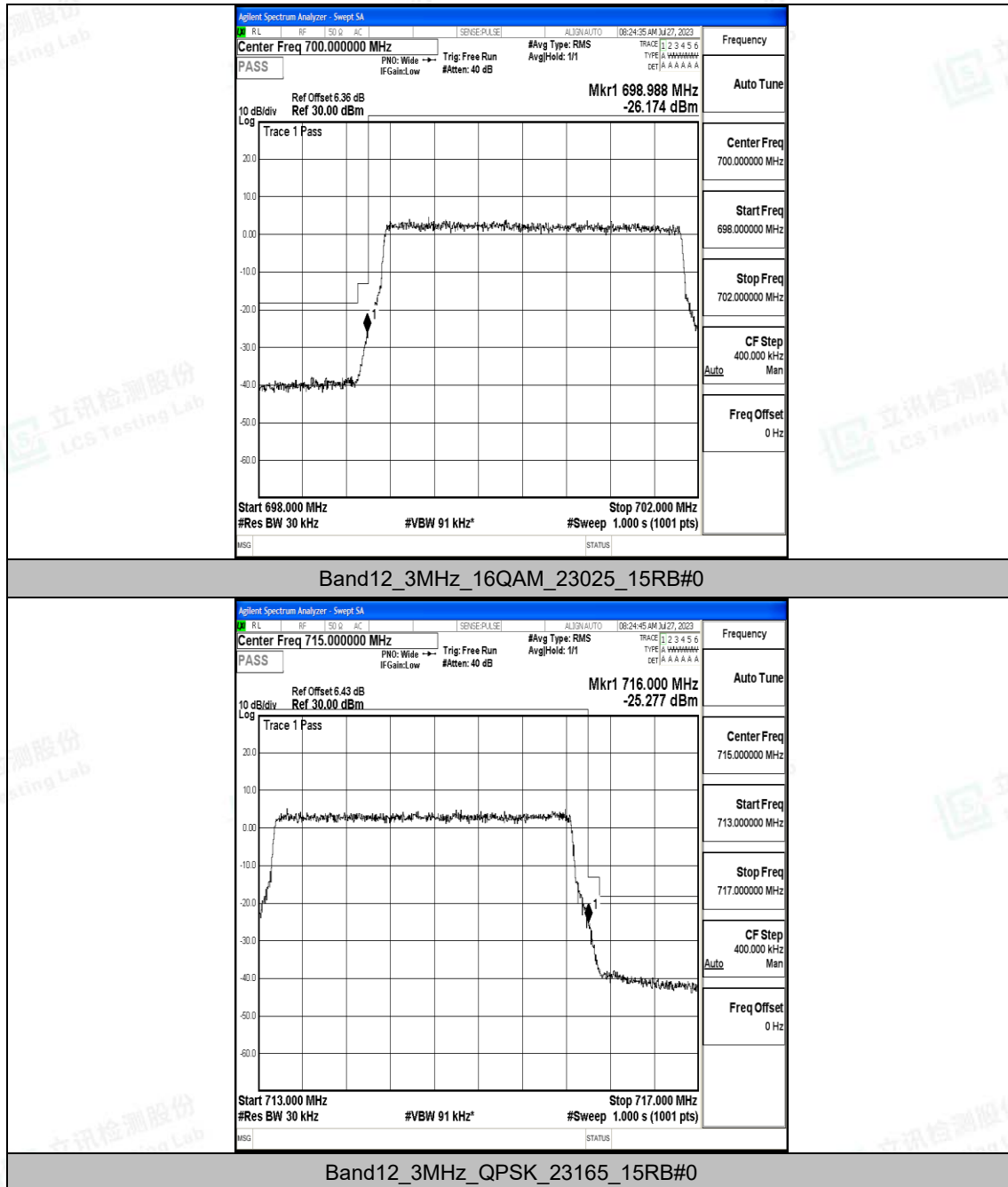
Shenzhen LCS Compliance Testing Laboratory Ltd.

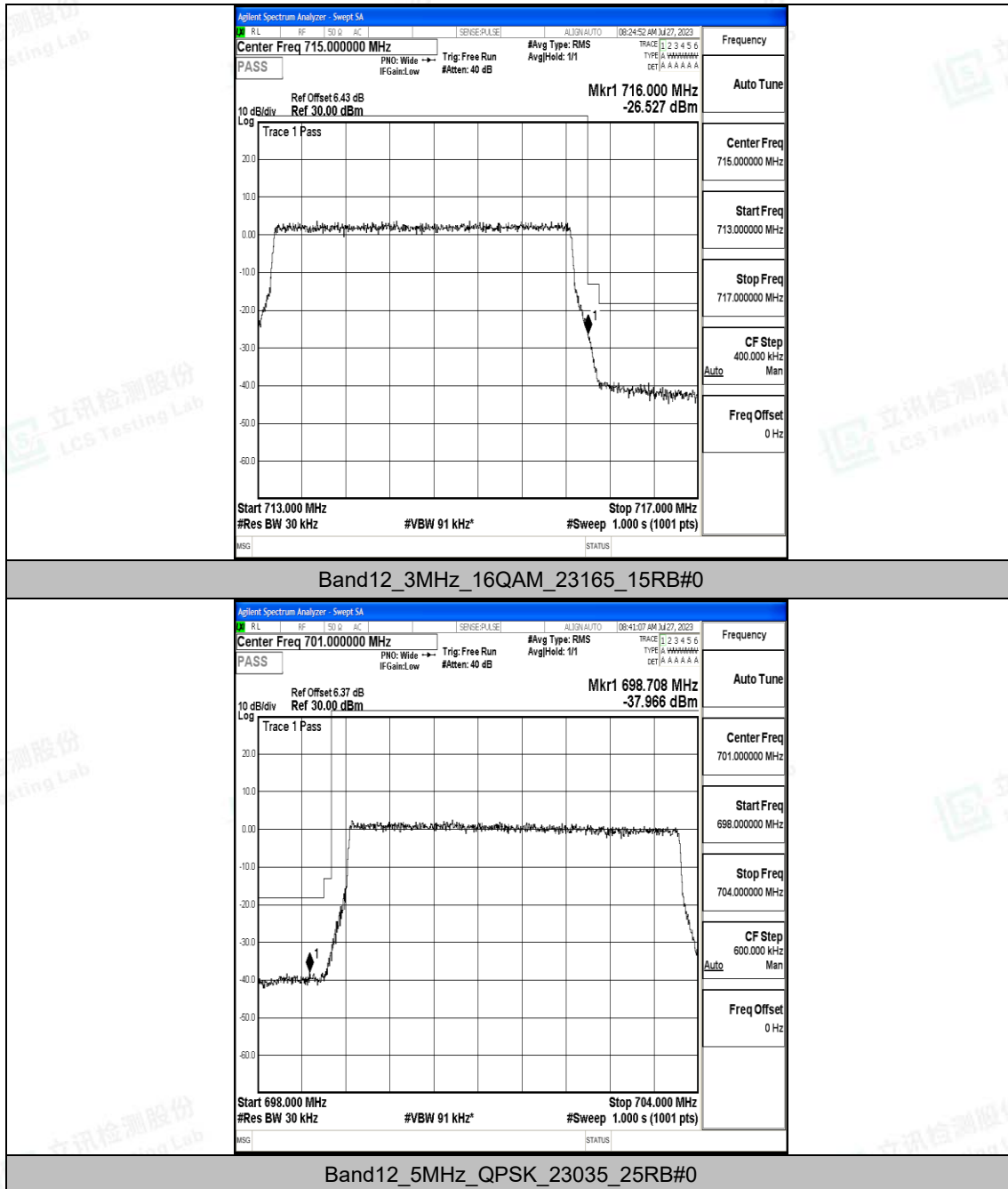
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

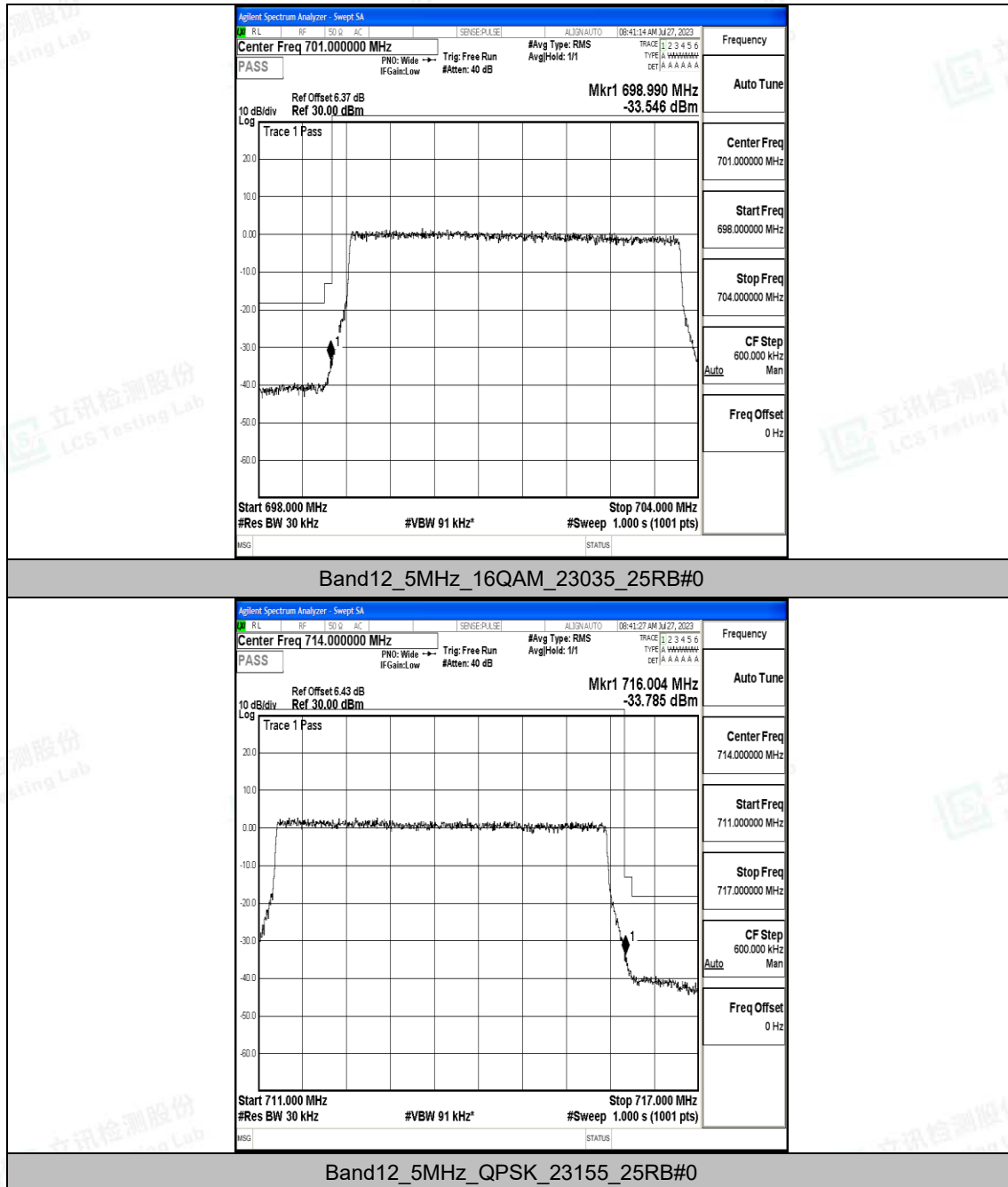
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

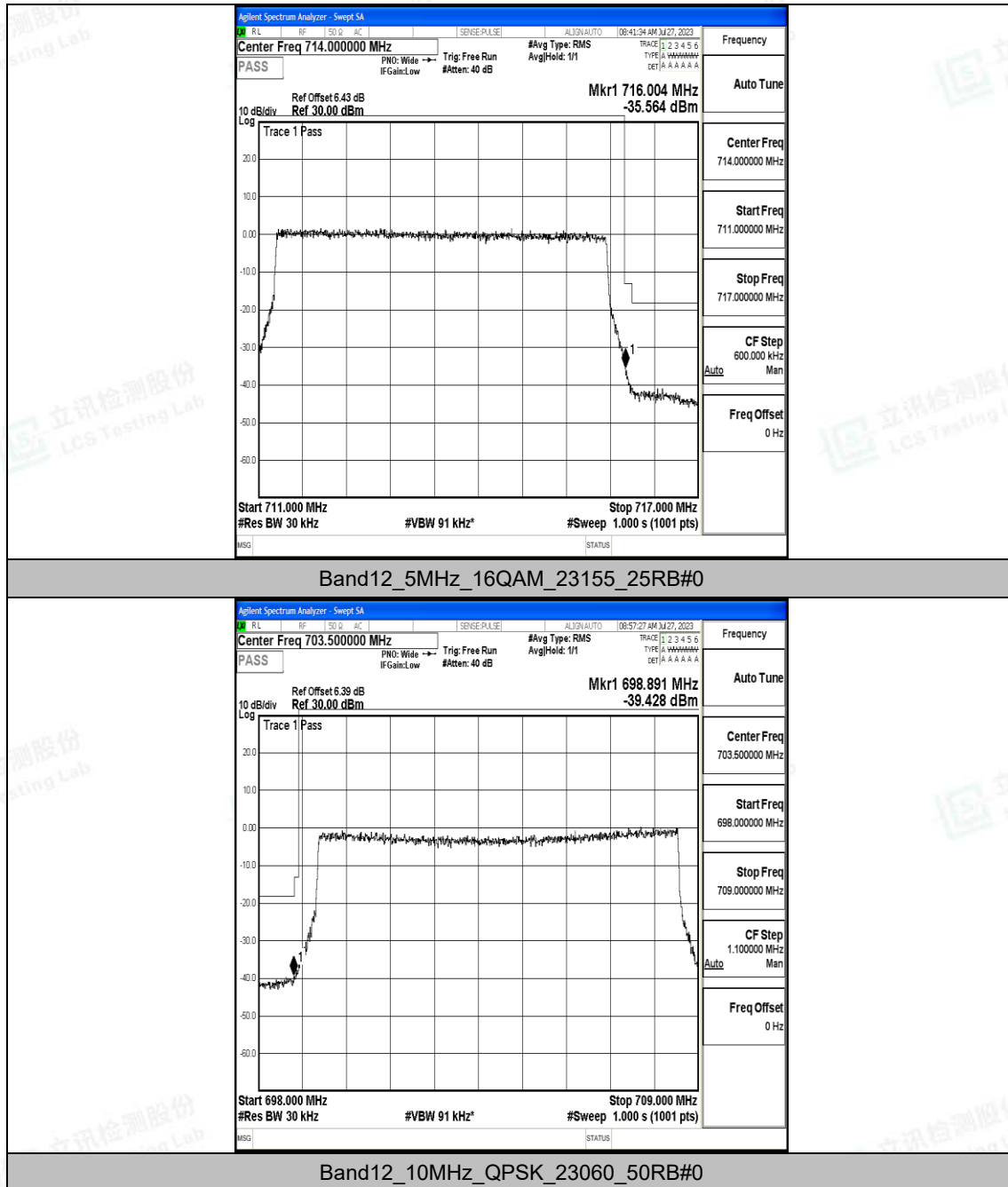
Scan code to check authenticity









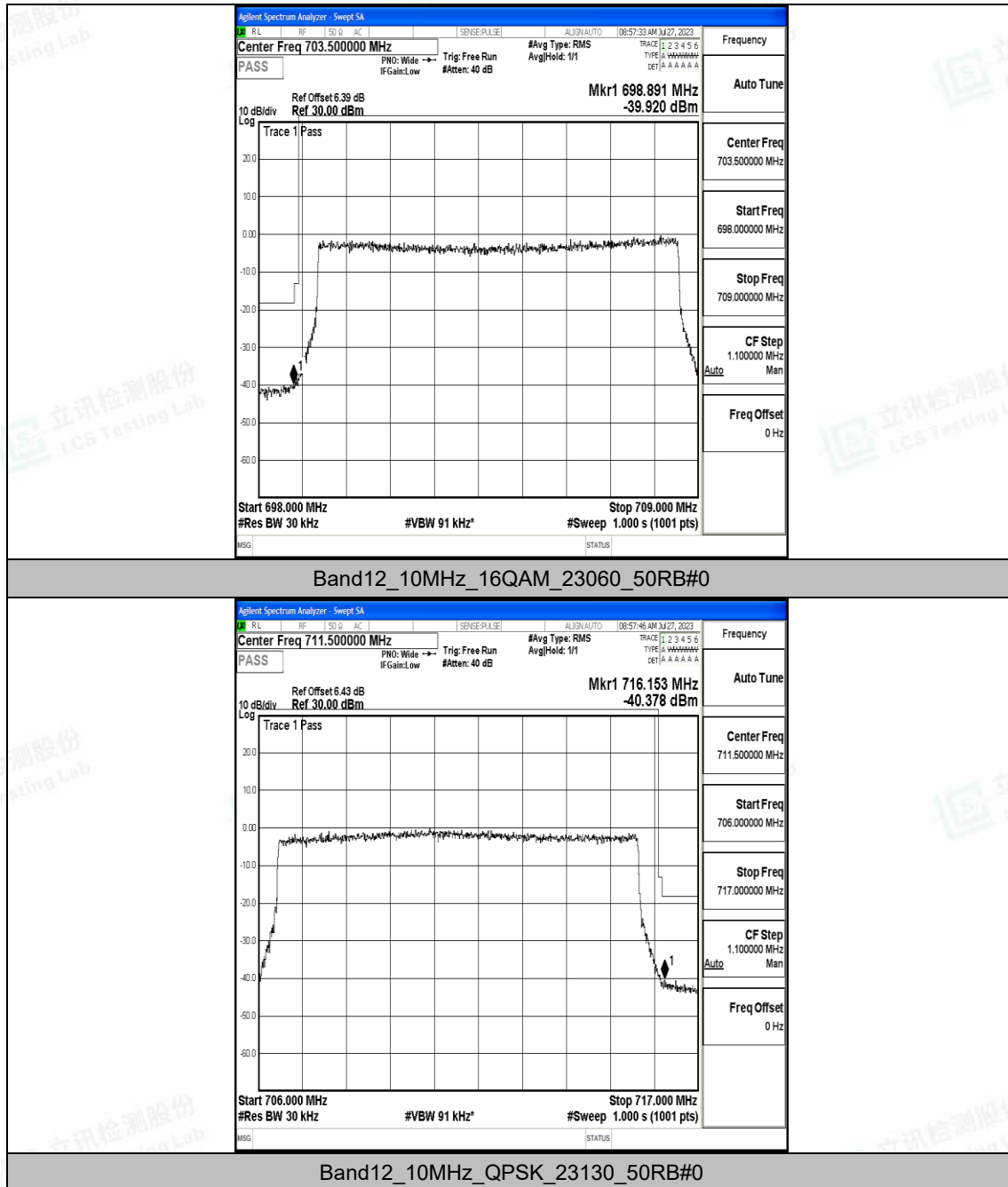


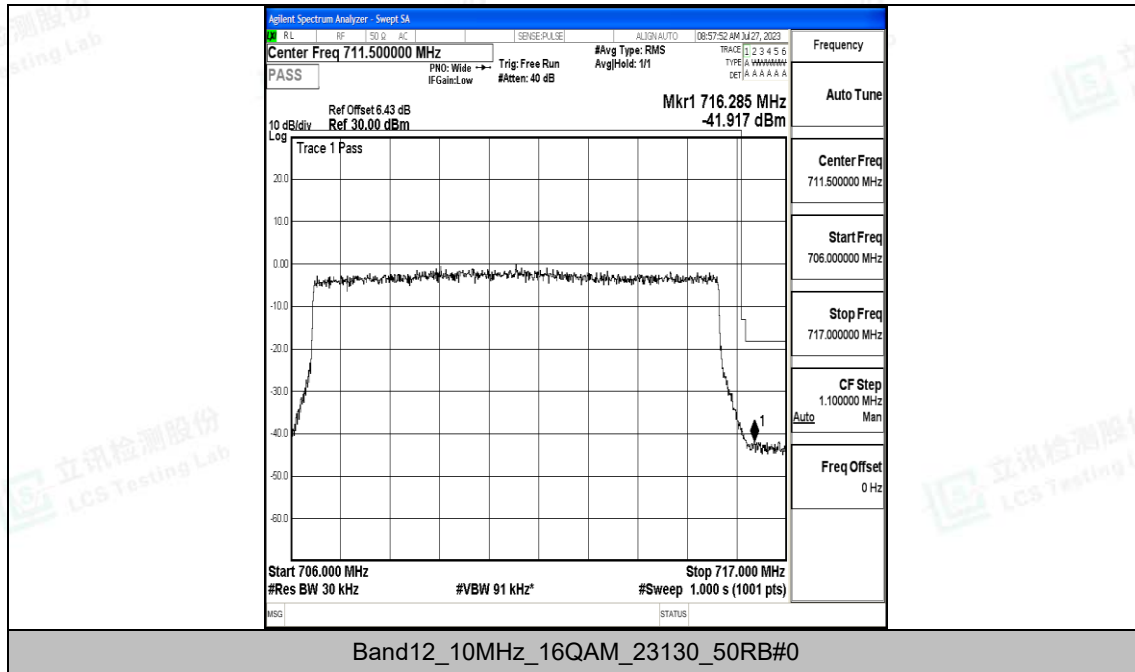
Shenzhen LCS Compliance Testing Laboratory Ltd.

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







G.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	0.009~0.15	-56.93	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	0.15~30	-54.14	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-60.42	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~3000	-44.12	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	3000~10000	-44.11	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.009~0.15	-56.41	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.15~30	-52.68	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	30~1000	-53.37	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	1000~3000	-42.90	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	3000~10000	-44.33	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.009~0.15	-56.35	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.15~30	-54.54	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-59.74	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~3000	-40.99	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3000~10000	-44.32	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.009~0.15	-57.04	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.15~30	-54.24	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	30~1000	-60.58	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	1000~3000	-40.46	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	3000~10000	-44.18	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.009~0.15	-53.90	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.15~30	-52.51	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-59.08	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~3000	-40.60	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3000~10000	-43.84	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.009~0.15	-54.44	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.15~30	-51.16	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	30~1000	-59.59	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	1000~3000	-38.93	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	3000~10000	-44.08	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.009~0.15	-55.98	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.15~30	-51.57	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~1000	-58.54	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~3000	-43.38	PASS
Band12	3MHz	QPSK	23025	1RB#0	3000~10000	-44.17	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



Band12	3MHz	16QAM	23025	1RB#0	0.009~0.15	-58.20	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.15~30	-54.72	PASS
Band12	3MHz	16QAM	23025	1RB#0	30~1000	-59.40	PASS
Band12	3MHz	16QAM	23025	1RB#0	1000~3000	-43.20	PASS
Band12	3MHz	16QAM	23025	1RB#0	3000~10000	-44.53	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.009~0.15	-56.89	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.15~30	-51.92	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-57.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~3000	-43.07	PASS
Band12	3MHz	QPSK	23095	1RB#0	3000~10000	-44.10	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.009~0.15	-56.26	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.15~30	-53.18	PASS
Band12	3MHz	16QAM	23095	1RB#0	30~1000	-59.32	PASS
Band12	3MHz	16QAM	23095	1RB#0	1000~3000	-45.63	PASS
Band12	3MHz	16QAM	23095	1RB#0	3000~10000	-44.21	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.009~0.15	-54.19	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.15~30	-53.12	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-60.12	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~3000	-41.45	PASS
Band12	3MHz	QPSK	23165	1RB#0	3000~10000	-44.09	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.009~0.15	-55.51	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.15~30	-53.28	PASS
Band12	3MHz	16QAM	23165	1RB#0	30~1000	-60.86	PASS
Band12	3MHz	16QAM	23165	1RB#0	1000~3000	-43.20	PASS
Band12	3MHz	16QAM	23165	1RB#0	3000~10000	-44.30	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.009~0.15	-57.66	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.15~30	-51.64	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-59.11	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~3000	-43.91	PASS
Band12	5MHz	QPSK	23035	1RB#0	3000~10000	-44.17	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.009~0.15	-59.85	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.15~30	-51.60	PASS
Band12	5MHz	16QAM	23035	1RB#0	30~1000	-61.35	PASS
Band12	5MHz	16QAM	23035	1RB#0	1000~3000	-45.69	PASS
Band12	5MHz	16QAM	23035	1RB#0	3000~10000	-44.54	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.009~0.15	-55.72	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.15~30	-52.33	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-62.36	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~3000	-42.00	PASS
Band12	5MHz	QPSK	23095	1RB#0	3000~10000	-44.33	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



Band12	5MHz	16QAM	23095	1RB#0	0.009~0.15	-59.49	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.15~30	-53.47	PASS
Band12	5MHz	16QAM	23095	1RB#0	30~1000	-62.63	PASS
Band12	5MHz	16QAM	23095	1RB#0	1000~3000	-44.10	PASS
Band12	5MHz	16QAM	23095	1RB#0	3000~10000	-43.96	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.009~0.15	-55.29	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.15~30	-53.16	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-62.55	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~3000	-40.90	PASS
Band12	5MHz	QPSK	23155	1RB#0	3000~10000	-44.28	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.009~0.15	-57.69	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.15~30	-54.13	PASS
Band12	5MHz	16QAM	23155	1RB#0	30~1000	-62.76	PASS
Band12	5MHz	16QAM	23155	1RB#0	1000~3000	-42.32	PASS
Band12	5MHz	16QAM	23155	1RB#0	3000~10000	-44.27	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.009~0.15	-55.33	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.15~30	-54.21	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-62.64	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~3000	-44.11	PASS
Band12	10MHz	QPSK	23060	1RB#0	3000~10000	-44.24	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.009~0.15	-57.30	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.15~30	-52.32	PASS
Band12	10MHz	16QAM	23060	1RB#0	30~1000	-62.63	PASS
Band12	10MHz	16QAM	23060	1RB#0	1000~3000	-45.98	PASS
Band12	10MHz	16QAM	23060	1RB#0	3000~10000	-44.13	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.009~0.15	-54.02	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.15~30	-52.12	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-62.70	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~3000	-44.84	PASS
Band12	10MHz	QPSK	23095	1RB#0	3000~10000	-43.88	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.009~0.15	-59.02	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.15~30	-51.81	PASS
Band12	10MHz	16QAM	23095	1RB#0	30~1000	-62.80	PASS
Band12	10MHz	16QAM	23095	1RB#0	1000~3000	-45.49	PASS
Band12	10MHz	16QAM	23095	1RB#0	3000~10000	-44.21	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.009~0.15	-56.07	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.15~30	-53.18	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-62.91	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~3000	-42.02	PASS
Band12	10MHz	QPSK	23130	1RB#0	3000~10000	-44.26	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

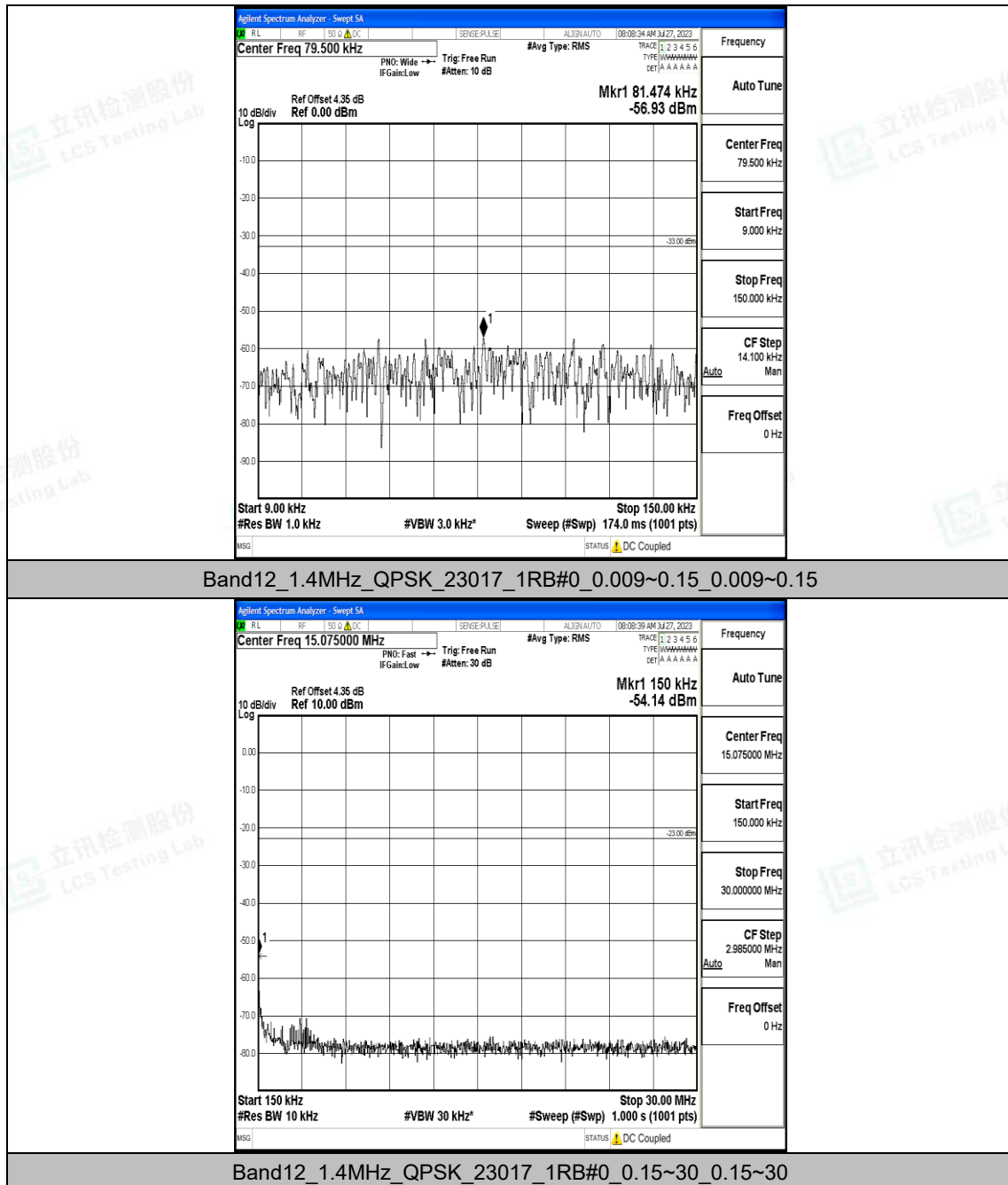
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

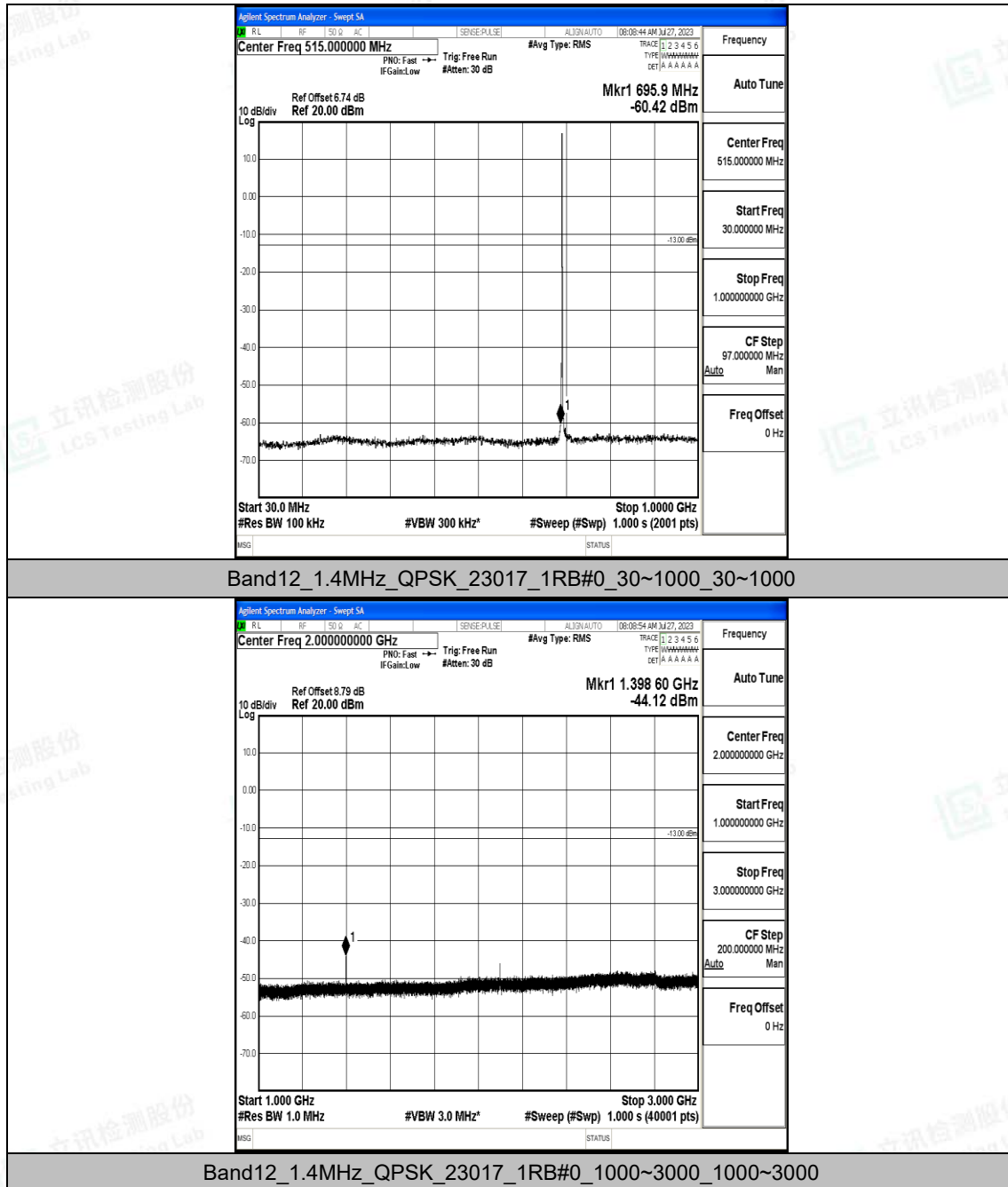
Scan code to check authenticity

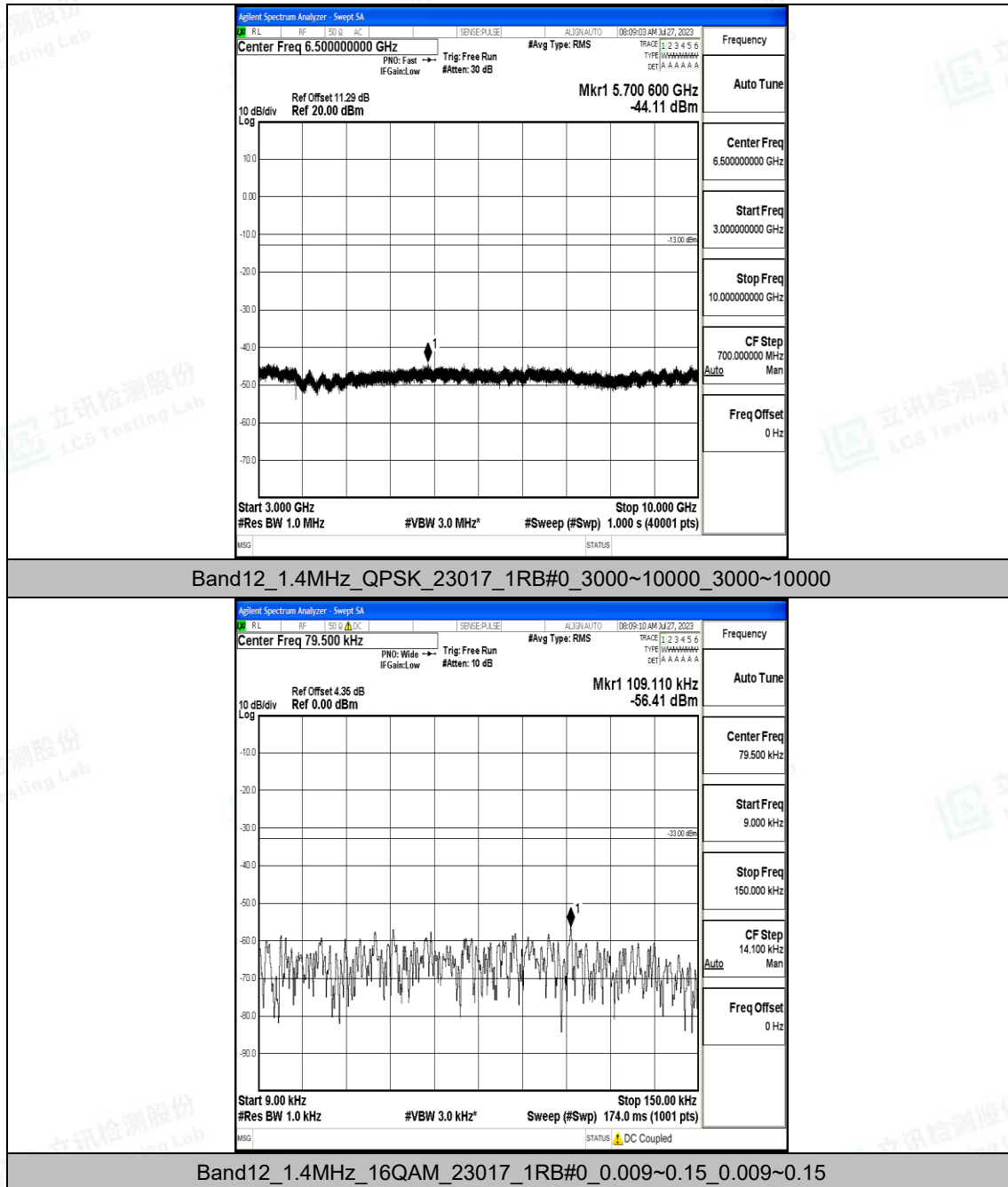


Band12	10MHz	16QAM	23130	1RB#0	0.009~0.15	-56.88	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.15~30	-54.23	PASS
Band12	10MHz	16QAM	23130	1RB#0	30~1000	-62.73	PASS
Band12	10MHz	16QAM	23130	1RB#0	1000~3000	-44.97	PASS
Band12	10MHz	16QAM	23130	1RB#0	3000~10000	-44.50	PASS

Test Graphs





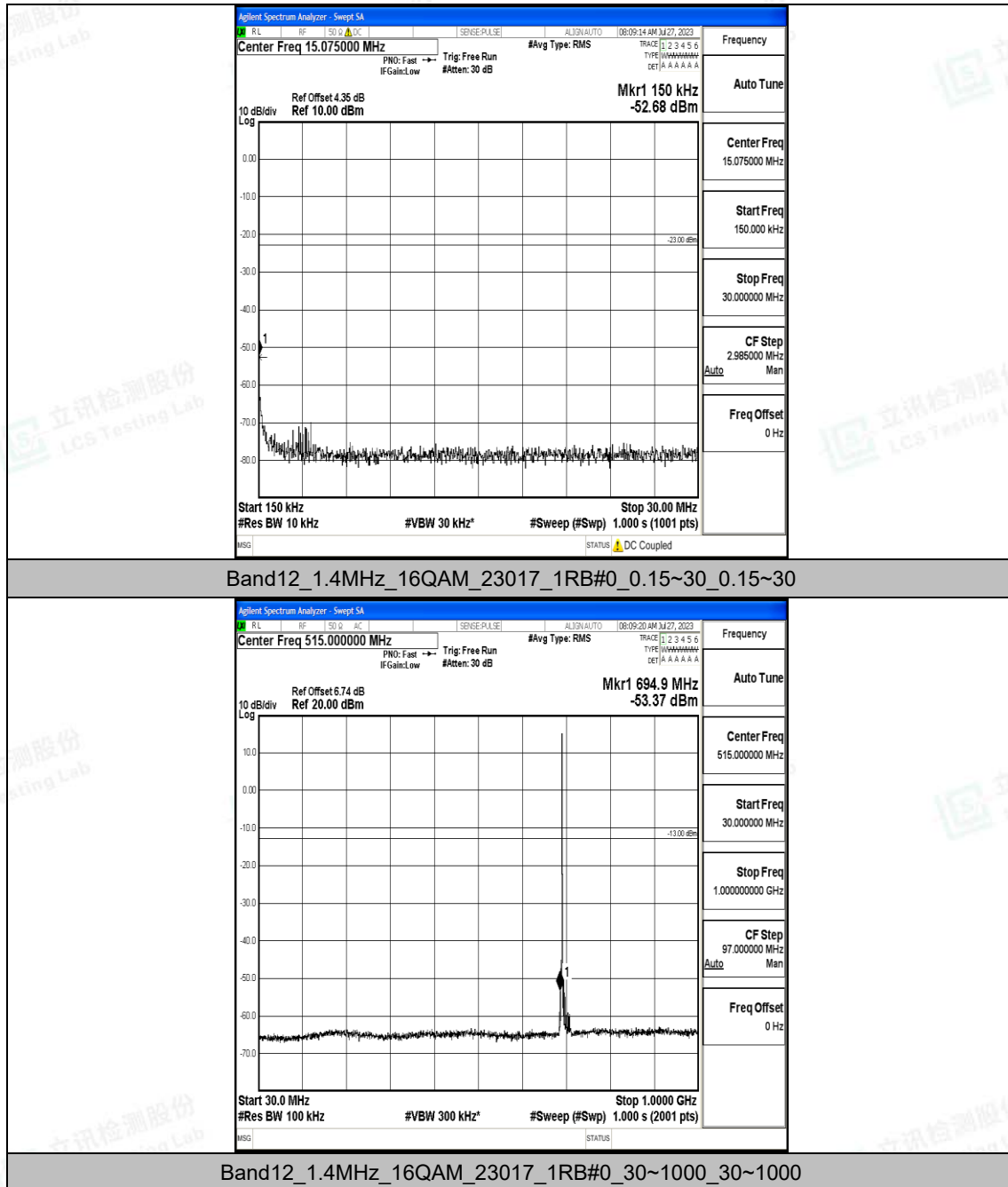


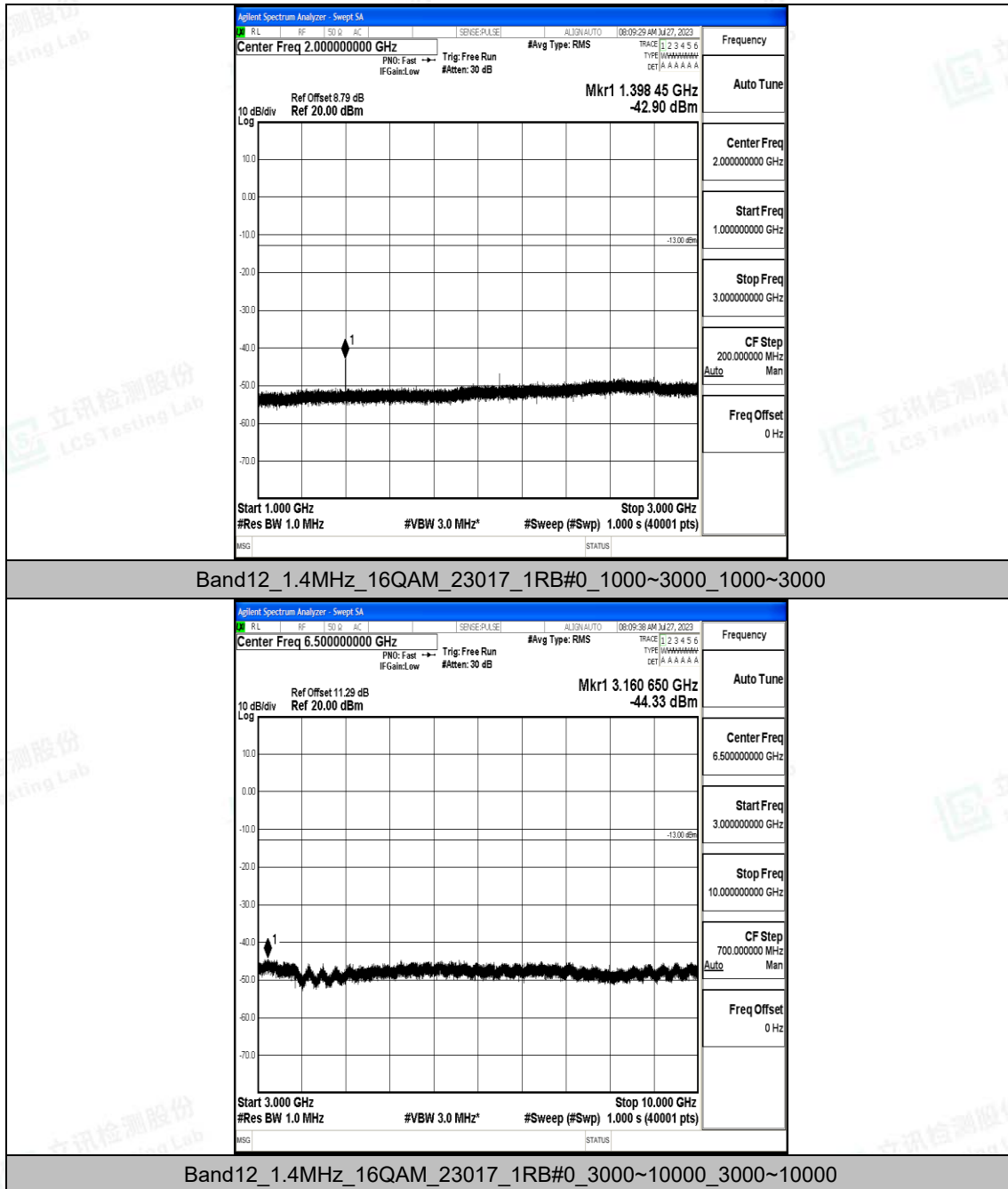
Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity



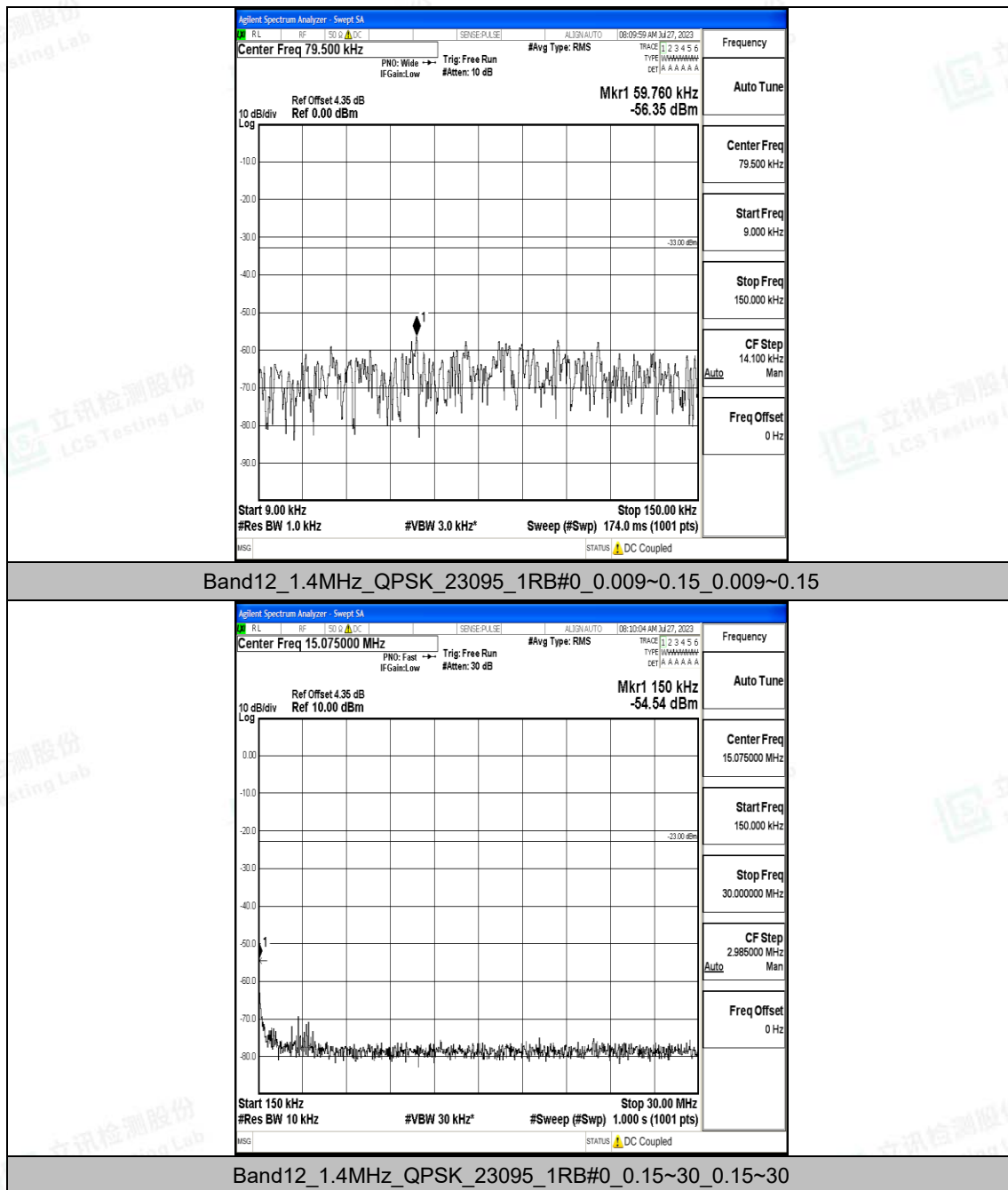


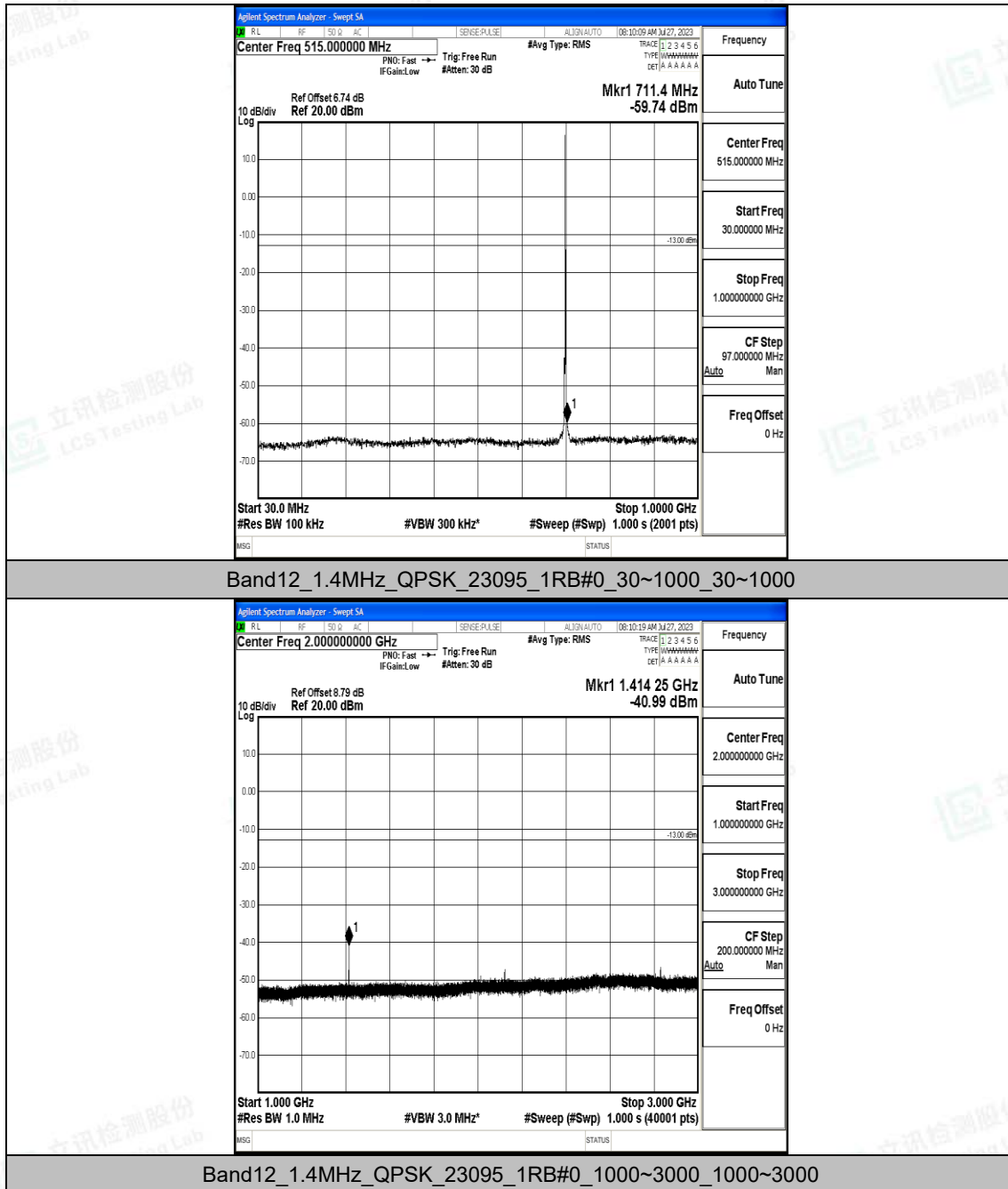
Shenzhen LCS Compliance Testing Laboratory Ltd.

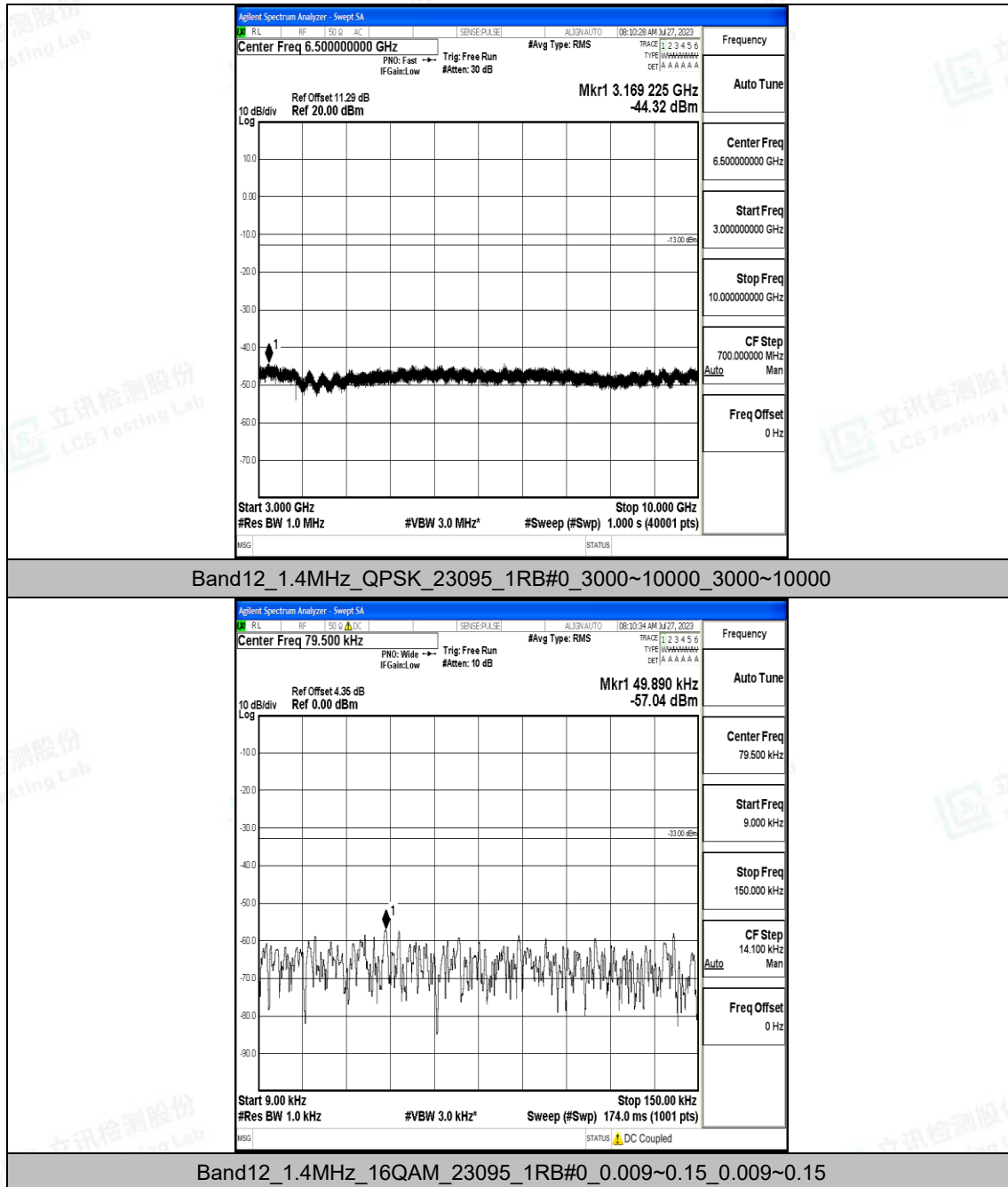
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

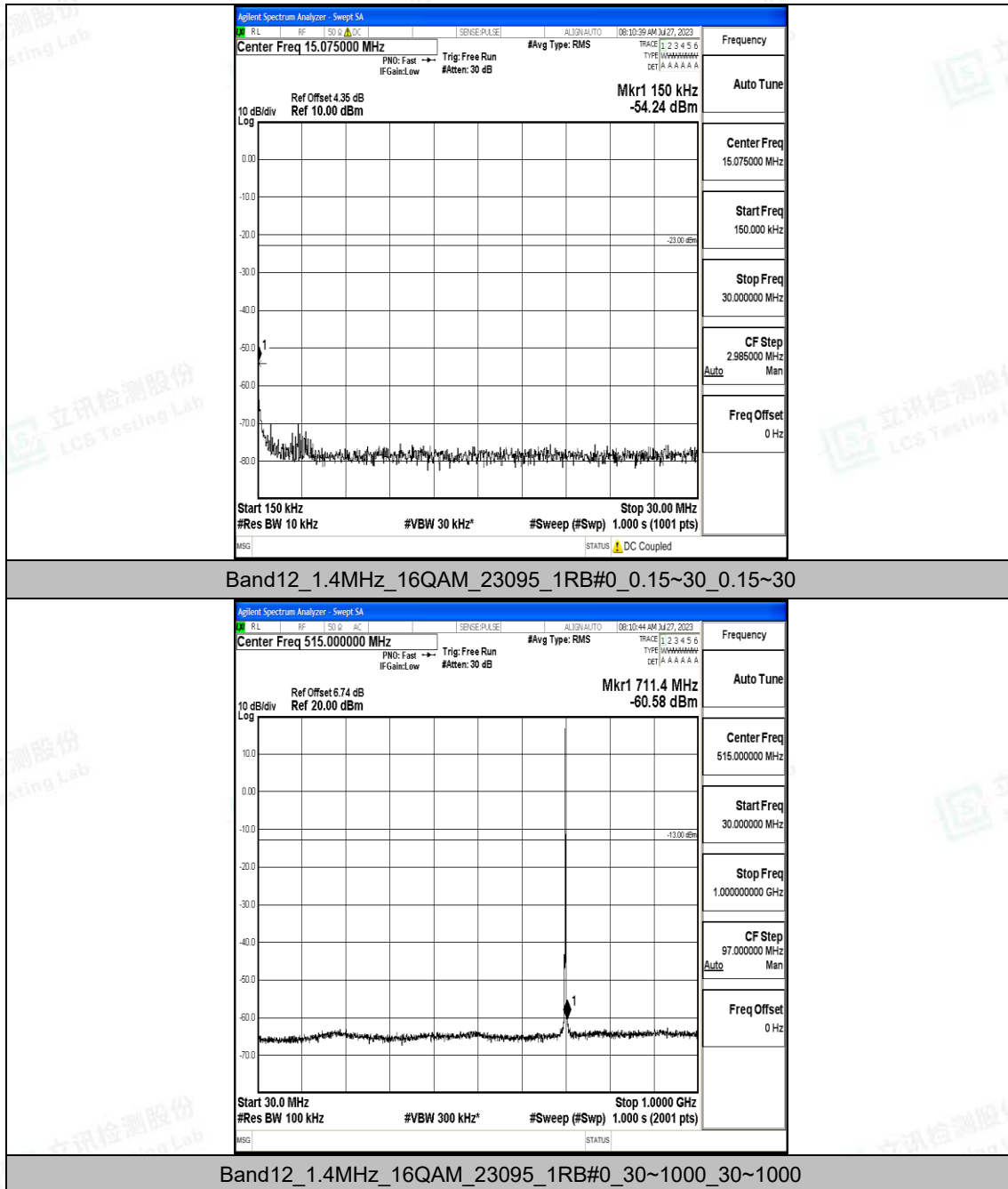
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

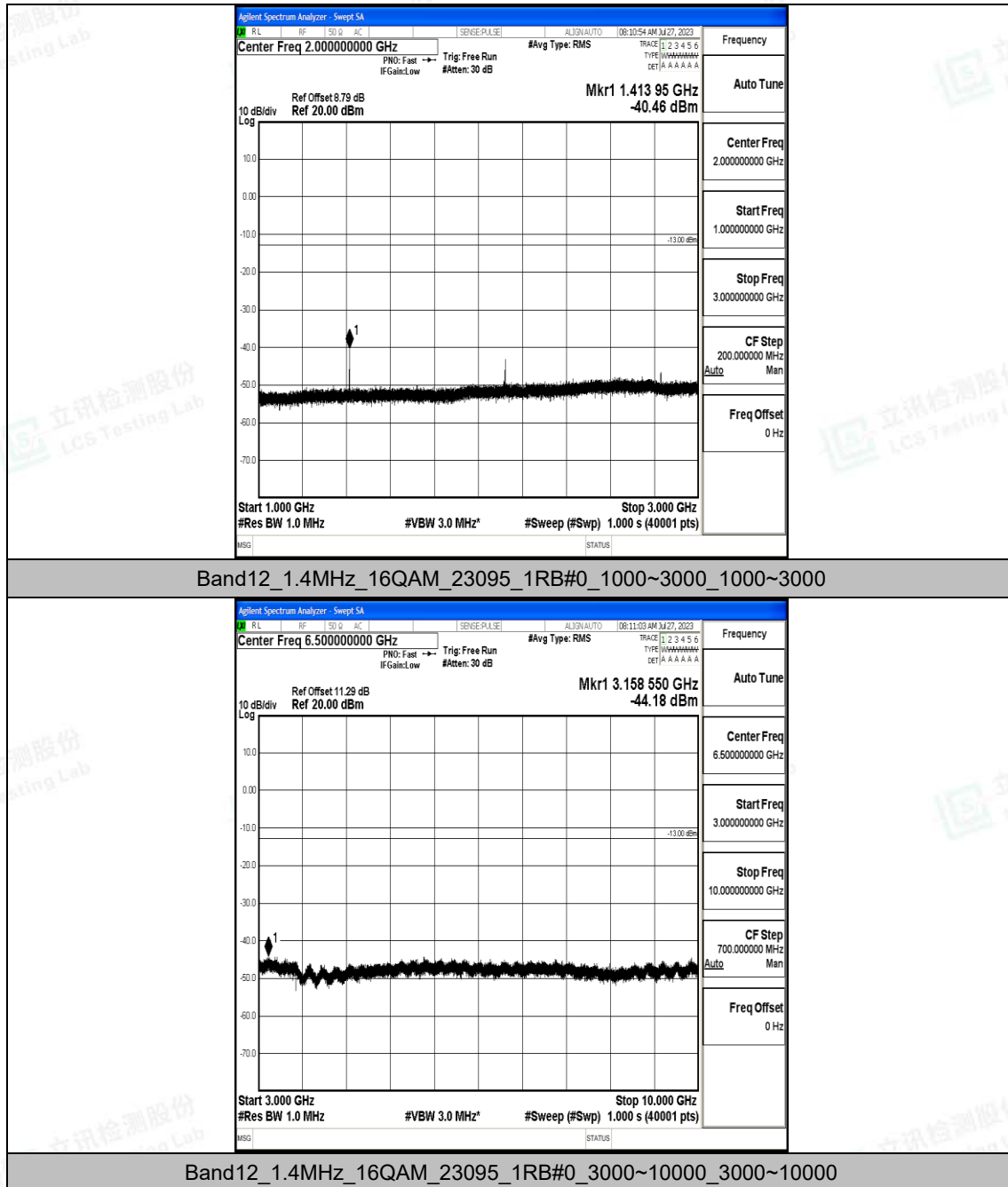
Scan code to check authenticity

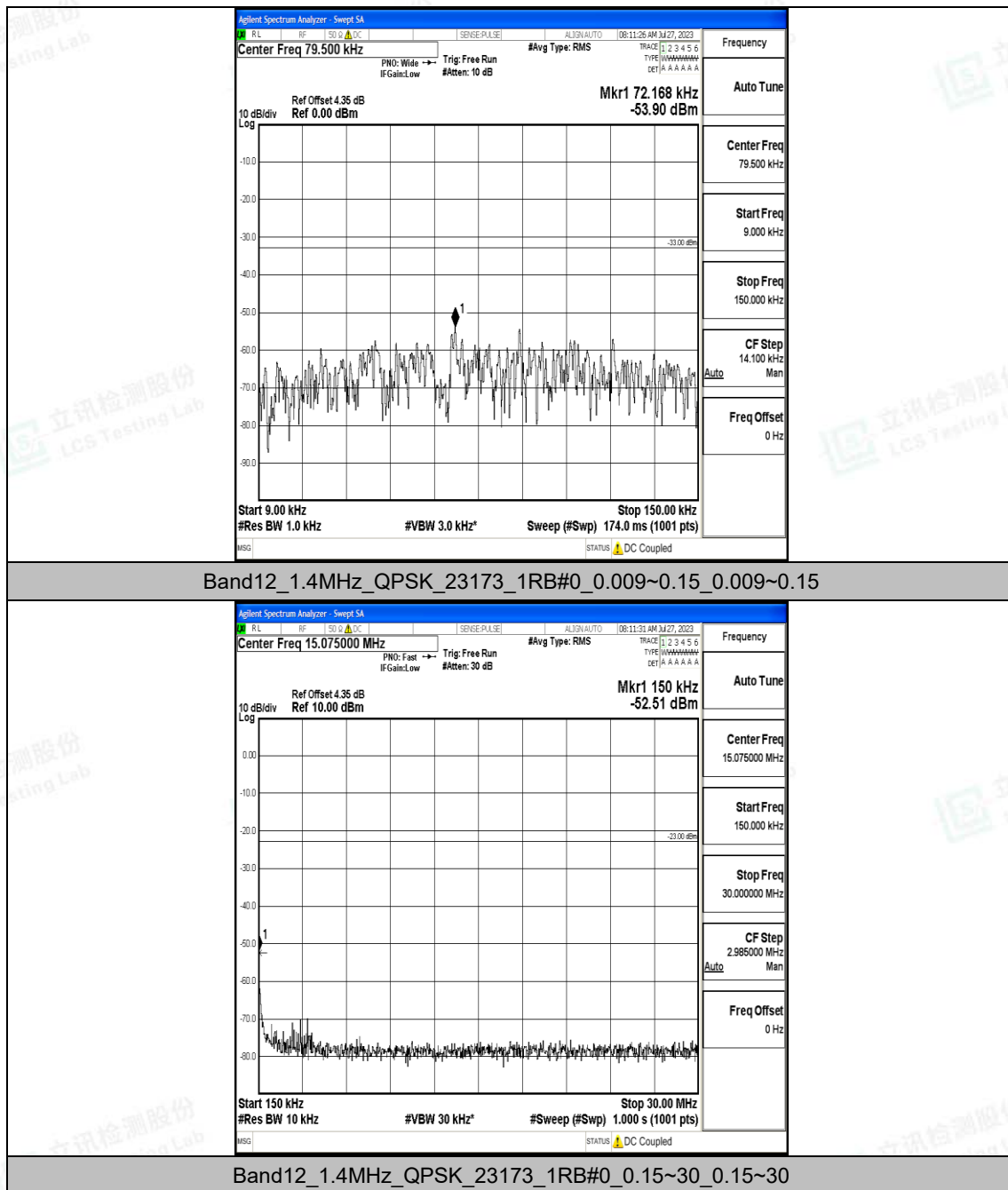


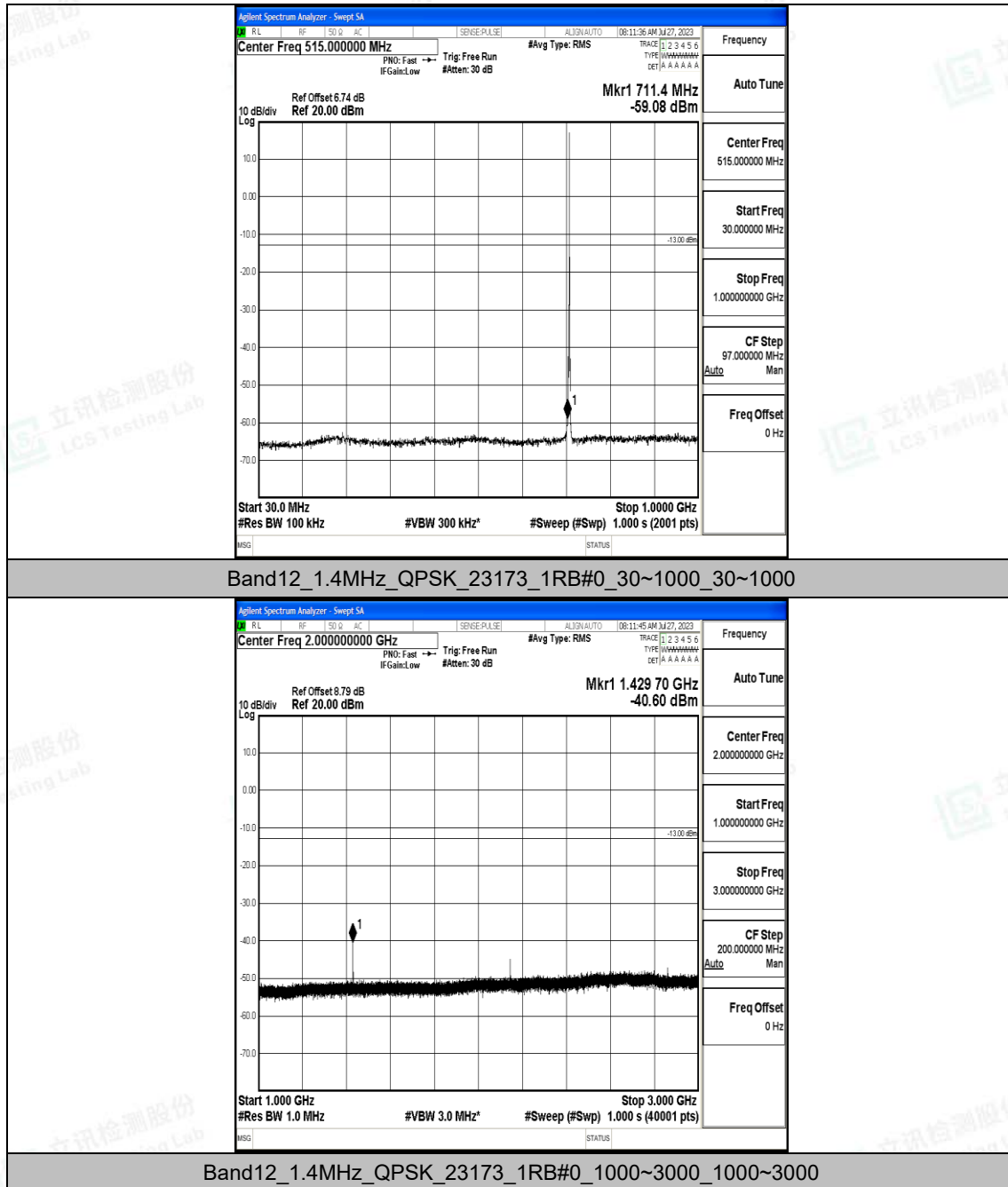










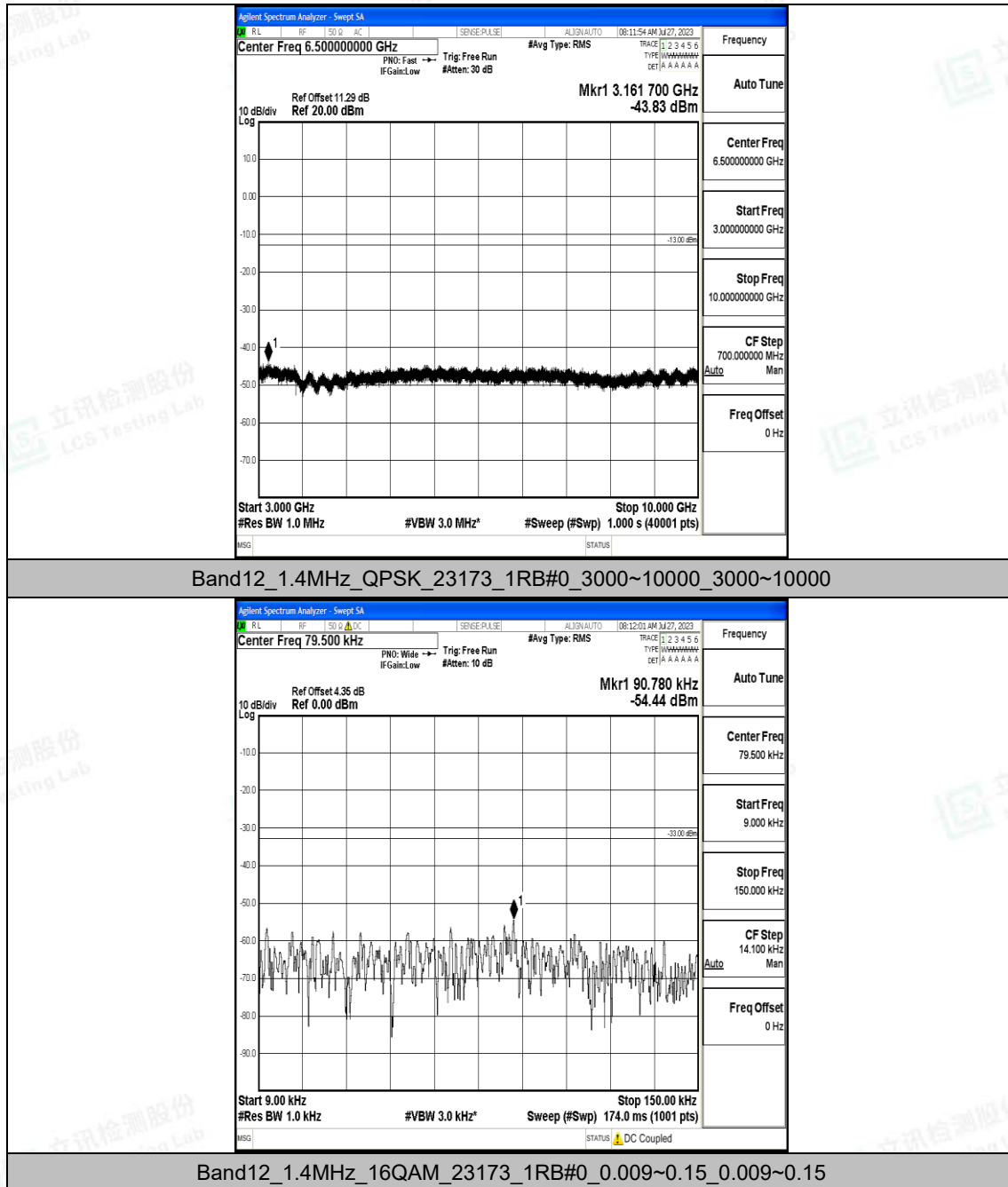


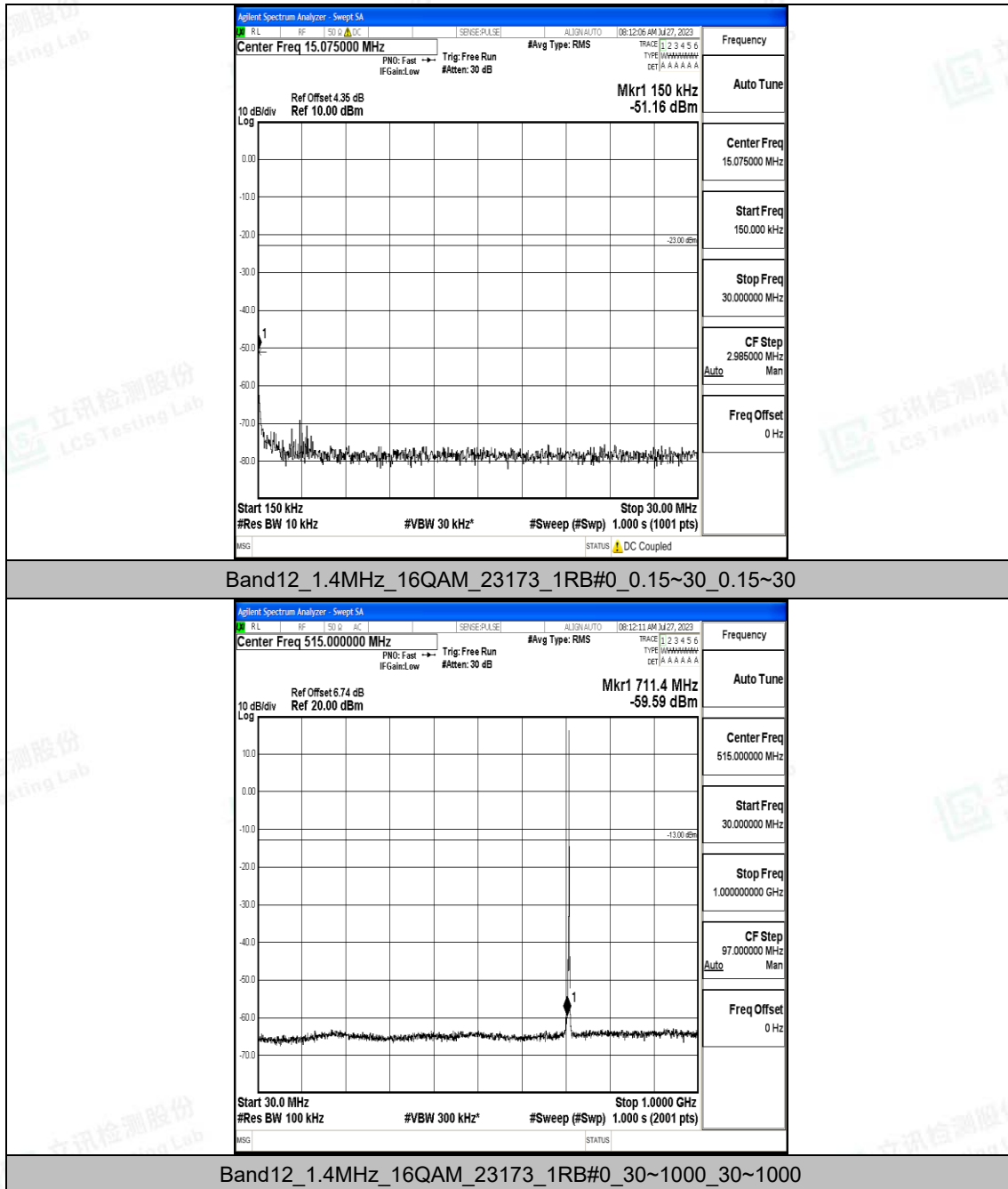
Shenzhen LCS Compliance Testing Laboratory Ltd.

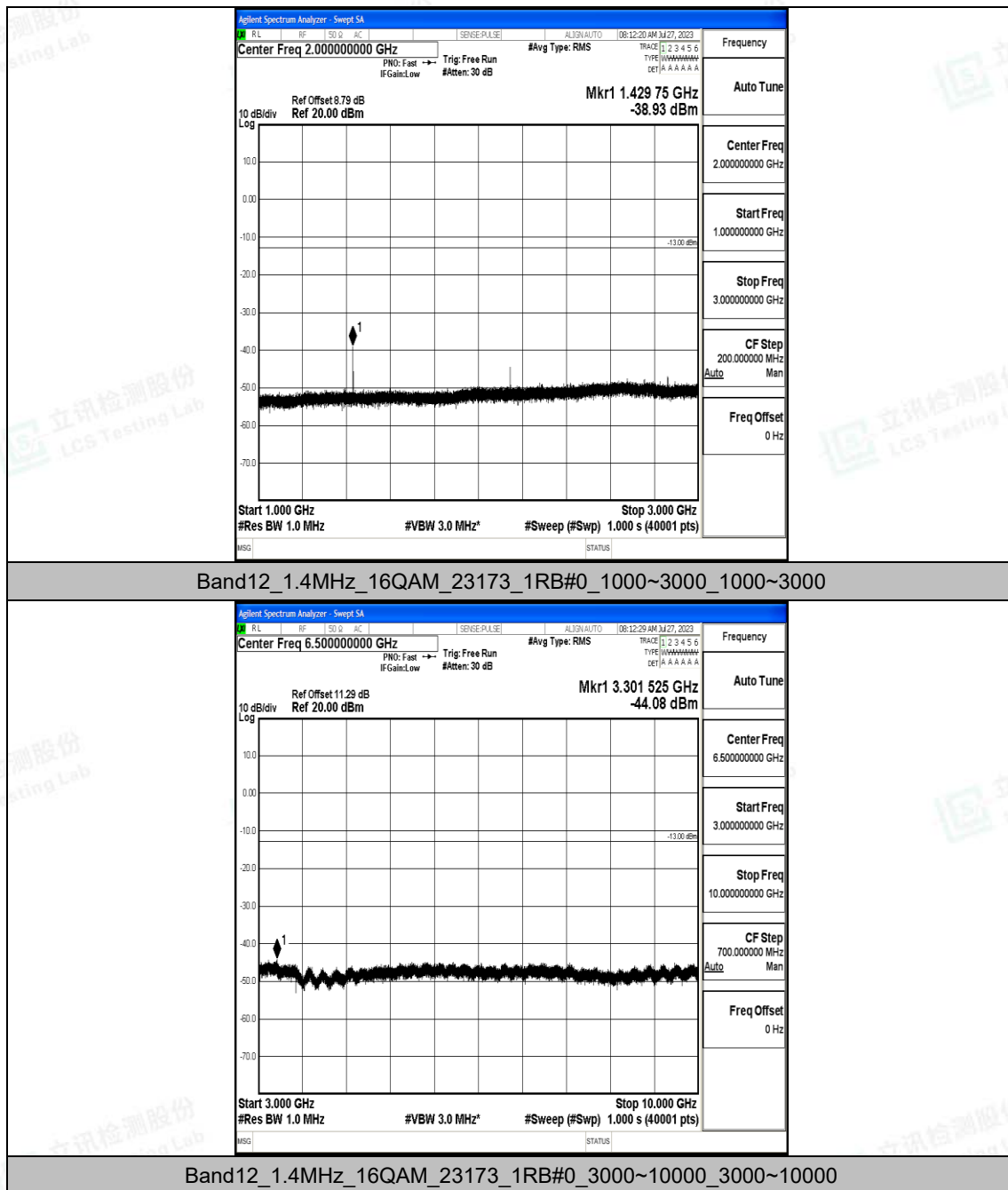
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

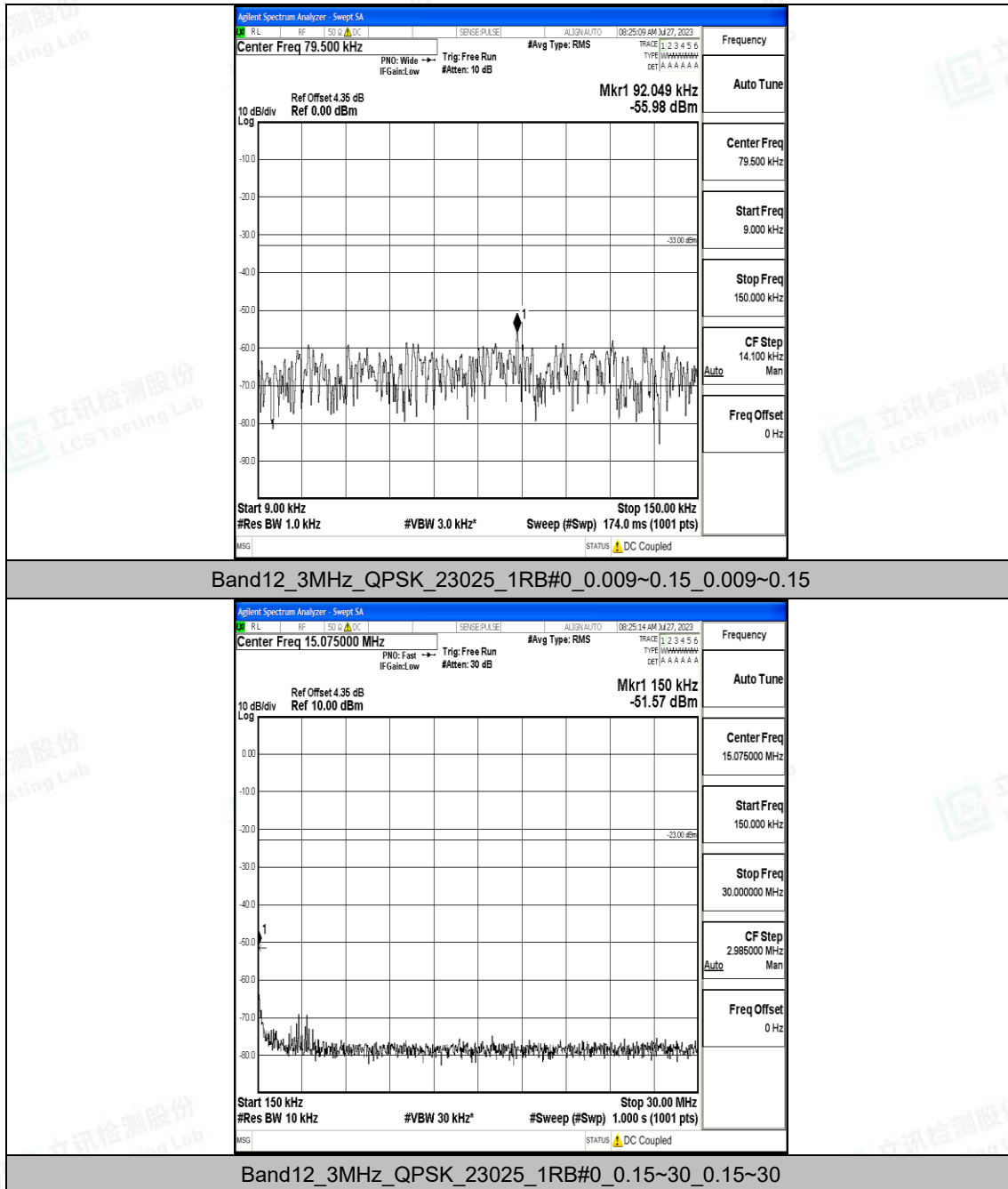
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

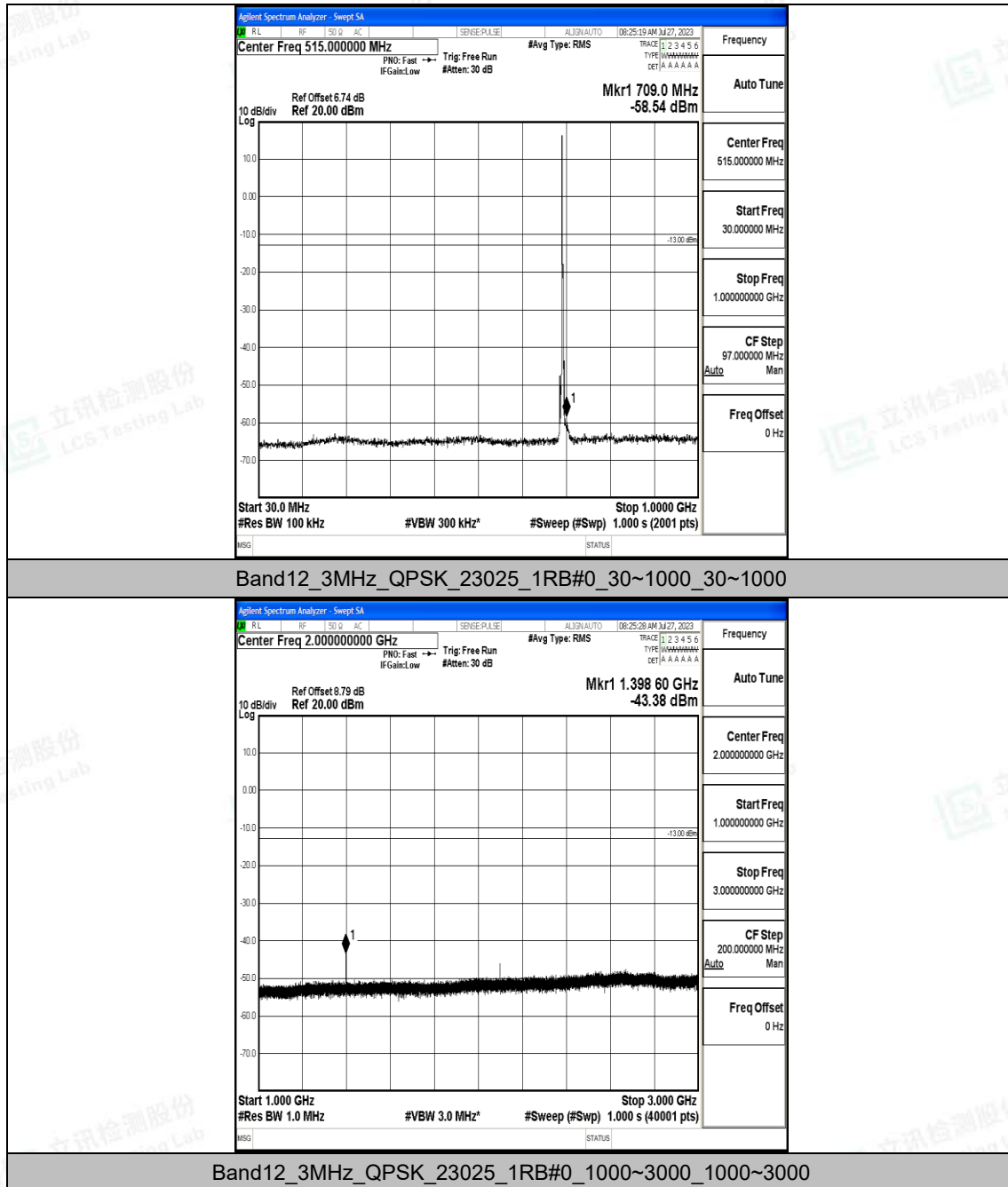
Scan code to check authenticity









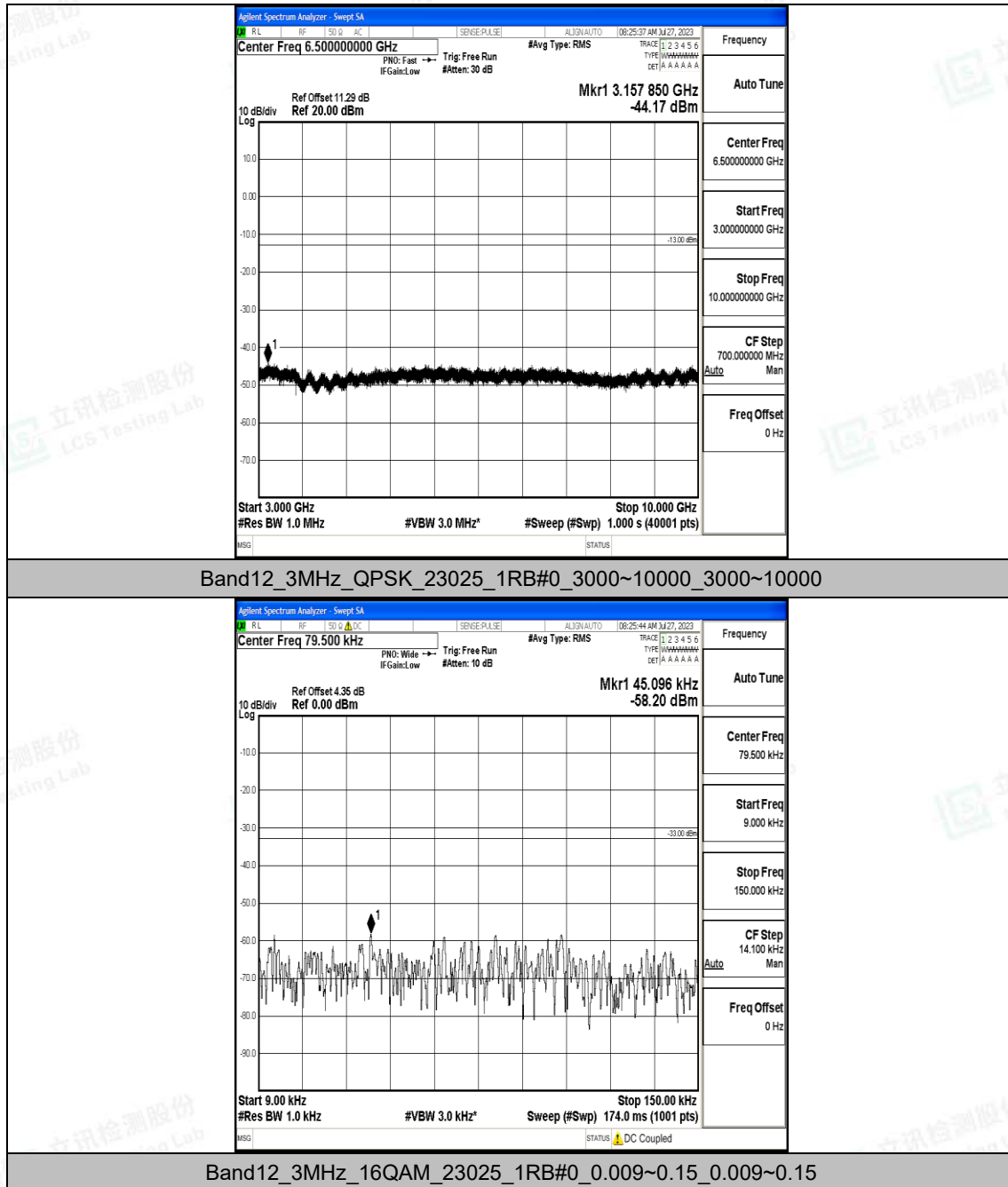


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity



Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity

