



Appendix H: Test Data for E-UTRA Band 17

Product Name: 4G Feature Phone

Test Model: Q8

Environmental Conditions

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





H.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	23.46	PASS
Band17	5MHz	16QAM	23755	1RB#0	23.47	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.54	PASS
Band17	5MHz	16QAM	23755	1RB#12	23.36	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.67	PASS
Band17	5MHz	16QAM	23755	1RB#24	23.66	PASS
Band17	5MHz	QPSK	23755	12RB#0	23.65	PASS
Band17	5MHz	16QAM	23755	12RB#0	23.64	PASS
Band17	5MHz	QPSK	23755	12RB#6	23.63	PASS
Band17	5MHz	16QAM	23755	12RB#6	23.72	PASS
Band17	5MHz	QPSK	23755	12RB#13	23.76	PASS
Band17	5MHz	16QAM	23755	12RB#13	23.71	PASS
Band17	5MHz	QPSK	23755	25RB#0	23.71	PASS
Band17	5MHz	16QAM	23755	25RB#0	23.55	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.32	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.15	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.38	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.02	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.51	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.33	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.46	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.76	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.52	PASS
Band17	5MHz	16QAM	23790	12RB#6	21.75	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.59	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.67	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.47	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.68	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.38	PASS
Band17	5MHz	16QAM	23825	1RB#0	21.97	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.53	PASS
Band17	5MHz	16QAM	23825	1RB#12	21.99	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.47	PASS
Band17	5MHz	16QAM	23825	1RB#24	21.96	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity



Band17	5MHz	QPSK	23825	12RB#0	22.54	PASS
Band17	5MHz	16QAM	23825	12RB#0	21.73	PASS
Band17	5MHz	QPSK	23825	12RB#6	22.54	PASS
Band17	5MHz	16QAM	23825	12RB#6	21.73	PASS
Band17	5MHz	QPSK	23825	12RB#13	22.45	PASS
Band17	5MHz	16QAM	23825	12RB#13	21.66	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.58	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.76	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.32	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.30	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.14	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.10	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.16	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.49	PASS
Band17	10MHz	QPSK	23780	25RB#0	22.30	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.55	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.27	PASS
Band17	10MHz	16QAM	23780	25RB#12	21.51	PASS
Band17	10MHz	QPSK	23780	25RB#25	22.29	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.46	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.39	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.59	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.40	PASS
Band17	10MHz	16QAM	23790	1RB#0	21.92	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.28	PASS
Band17	10MHz	16QAM	23790	1RB#24	21.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.26	PASS
Band17	10MHz	16QAM	23790	1RB#49	21.76	PASS
Band17	10MHz	QPSK	23790	25RB#0	22.35	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.60	PASS
Band17	10MHz	QPSK	23790	25RB#12	22.35	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.60	PASS
Band17	10MHz	QPSK	23790	25RB#25	22.50	PASS
Band17	10MHz	16QAM	23790	25RB#25	21.64	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.48	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.60	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.24	PASS
Band17	10MHz	16QAM	23800	1RB#0	23.12	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.16	PASS
Band17	10MHz	16QAM	23800	1RB#24	23.11	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



Band17	10MHz	QPSK	23800	1RB#49	23.14	PASS
Band17	10MHz	16QAM	23800	1RB#49	23.07	PASS
Band17	10MHz	QPSK	23800	25RB#0	22.31	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.51	PASS
Band17	10MHz	QPSK	23800	25RB#12	22.32	PASS
Band17	10MHz	16QAM	23800	25RB#12	21.51	PASS
Band17	10MHz	QPSK	23800	25RB#25	22.26	PASS
Band17	10MHz	16QAM	23800	25RB#25	21.53	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.11	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.59	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



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

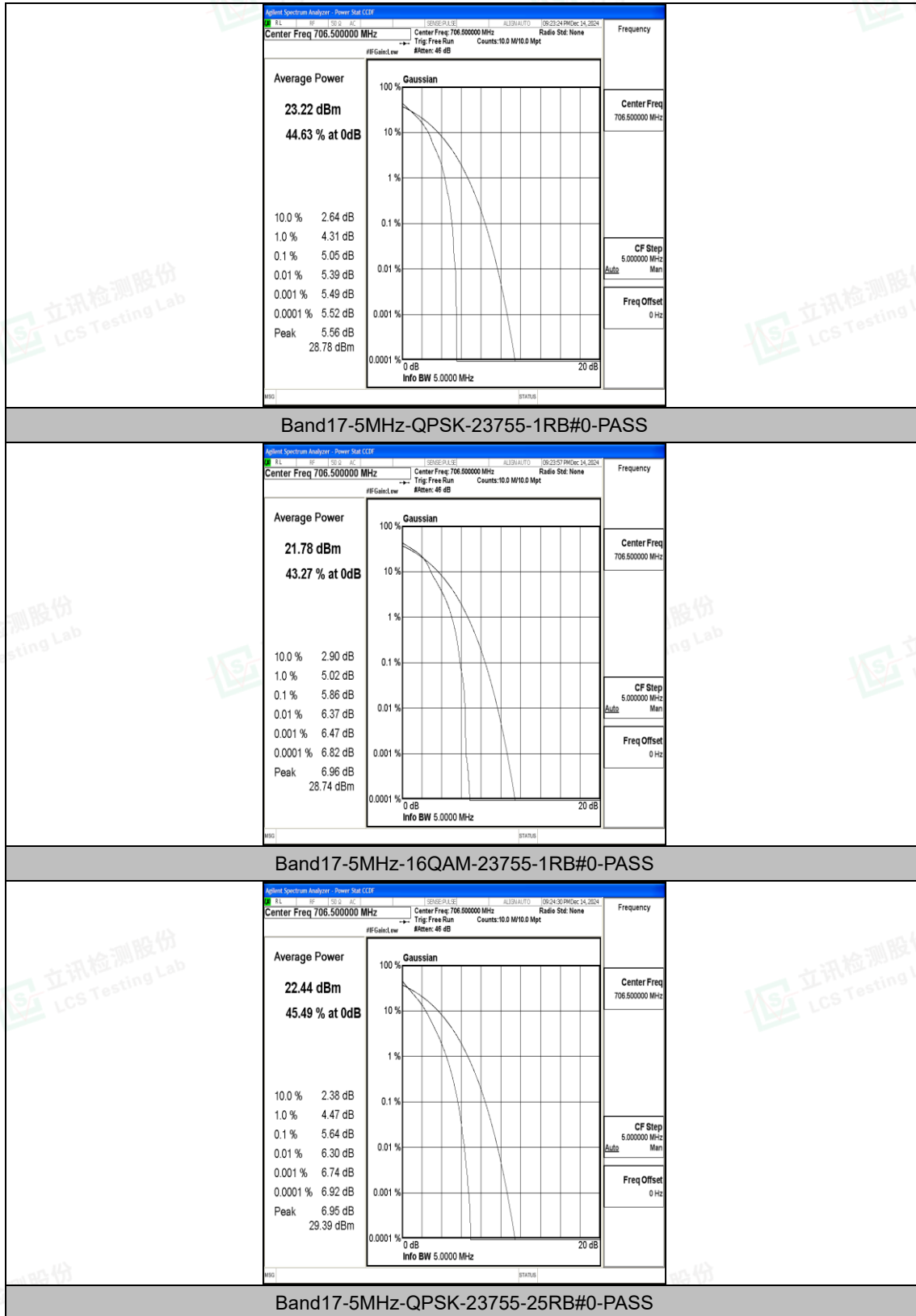
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	5.05	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	5.86	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.64	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.32	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	5.00	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	5.83	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.61	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.27	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	4.89	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.43	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.41	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.07	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	5.00	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	5.67	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.65	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.33	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	4.77	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	5.70	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.58	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.32	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	4.87	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	5.37	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.53	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.26	13	PASS





Test Graphs



Shenzhen LCS Compliance Testing Laboratory Ltd.

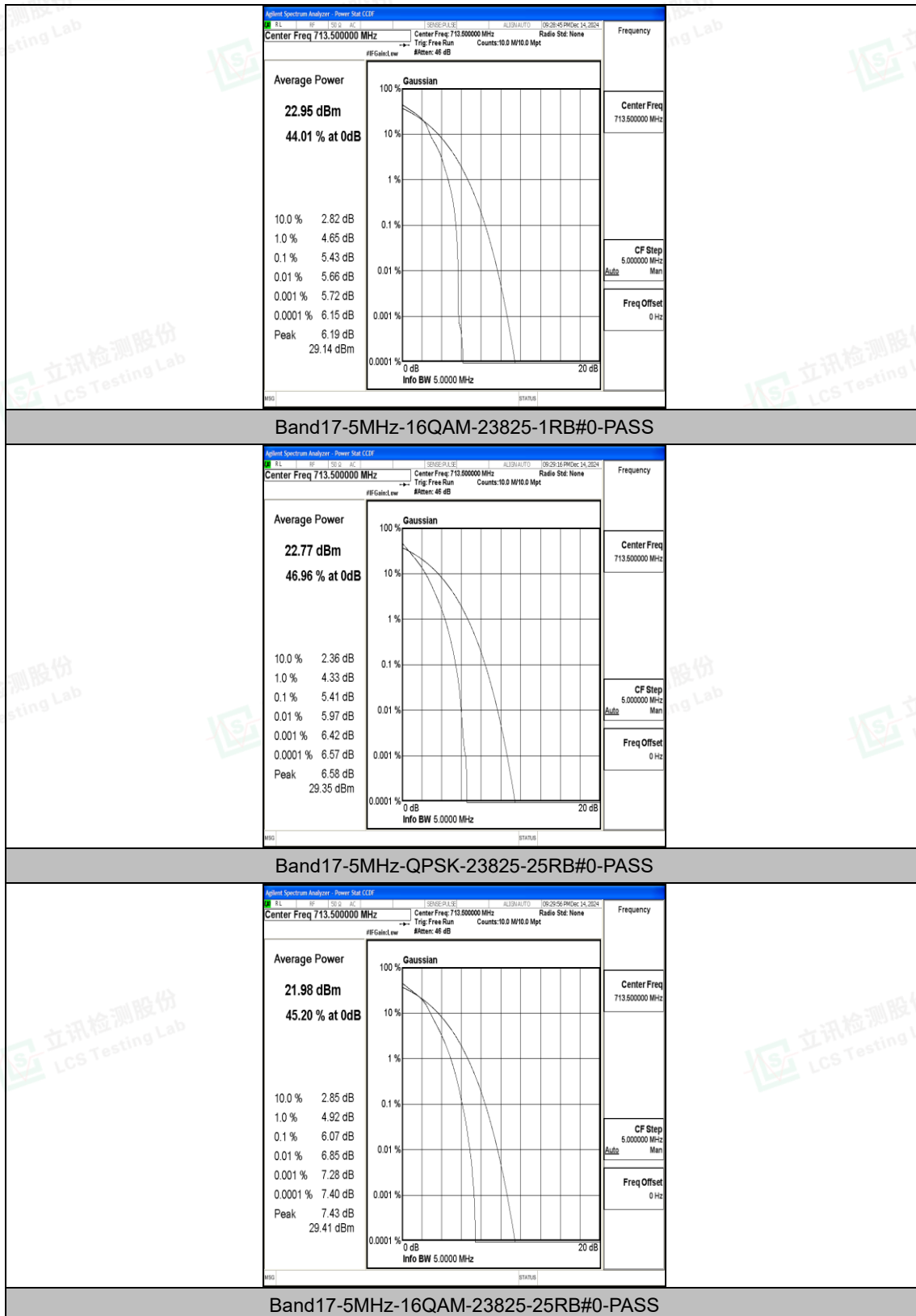
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

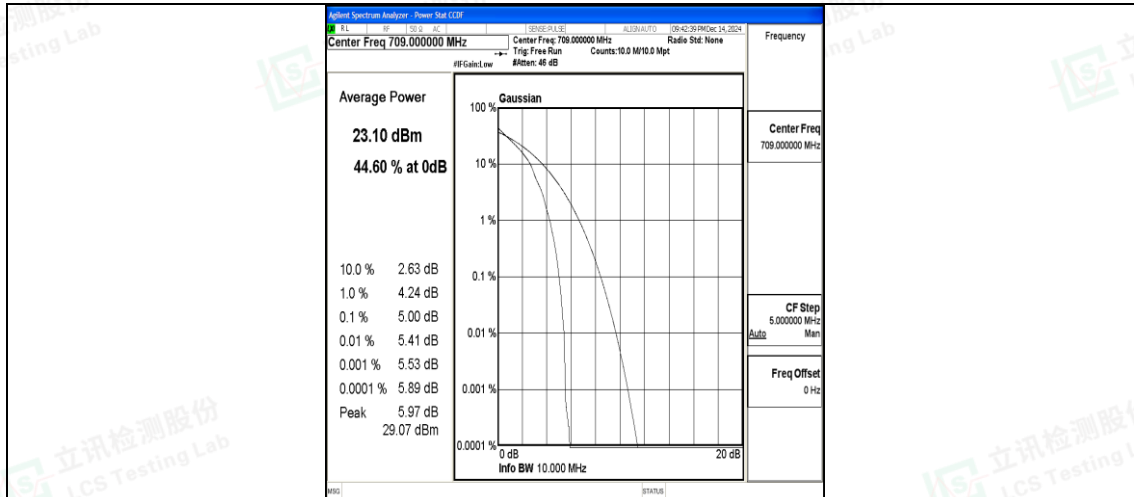
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

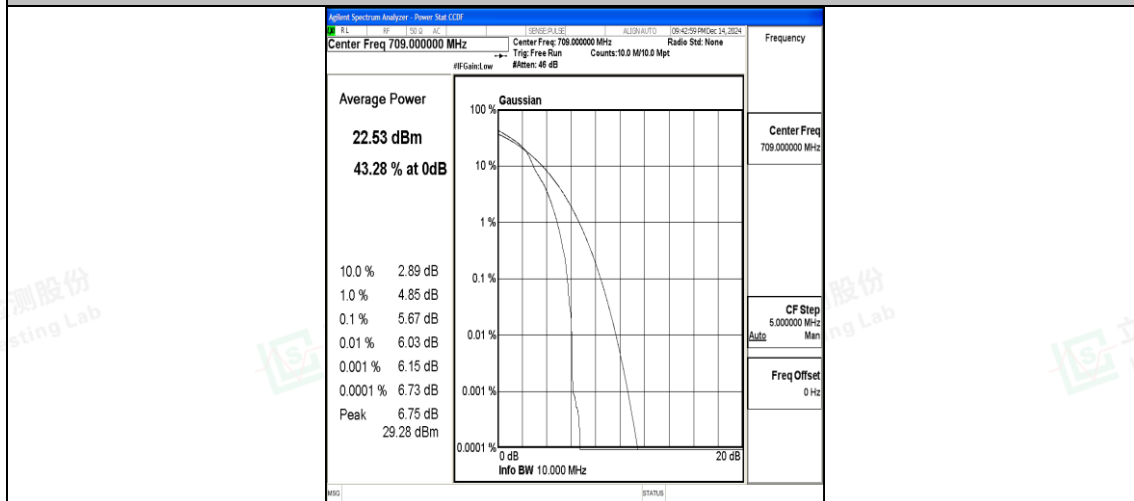




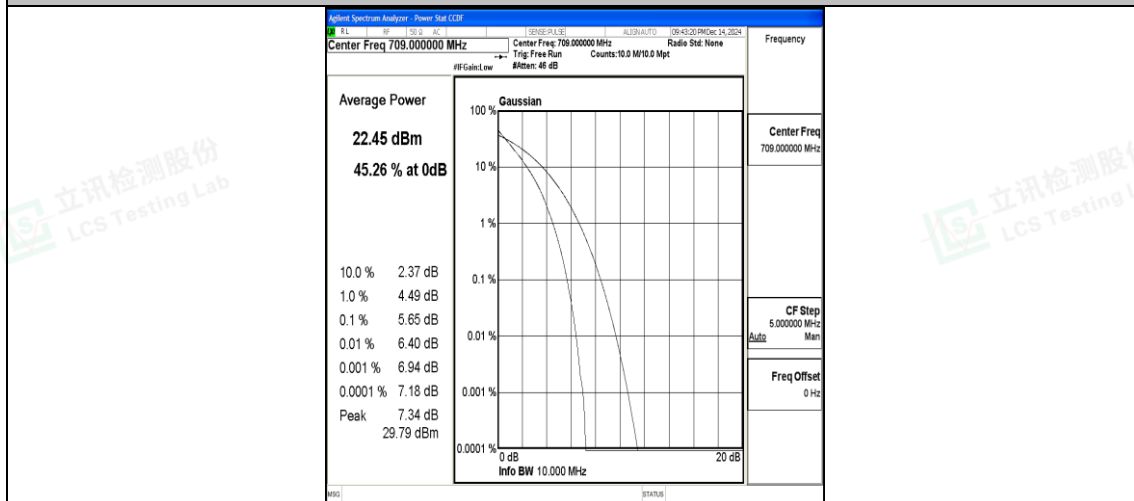




Band17-10MHz-QPSK-23780-1RB#0-PASS



Band17-10MHz-16QAM-23780-1RB#0-PASS



Band17-10MHz-QPSK-23780-50RB#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





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



H.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5157	5.324	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5288	5.243	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5174	5.306	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5162	5.242	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5101	5.336	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5311	5.345	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9939	10.15	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9973	10.18	PASS
Band17	10MHz	QPSK	23790	50RB#0	9.0149	10.24	PASS
Band17	10MHz	16QAM	23790	50RB#0	9.0064	10.50	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9627	10.02	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9781	10.00	PASS



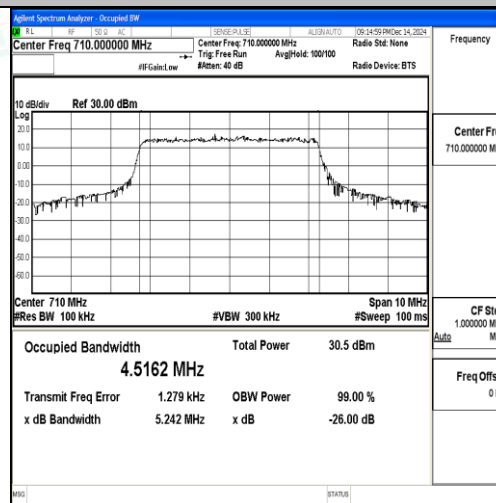


Test Graphs

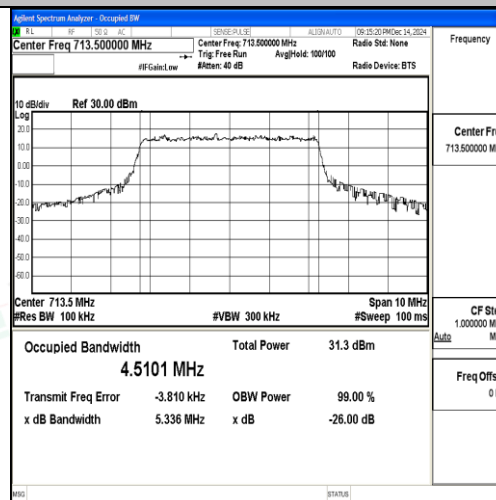




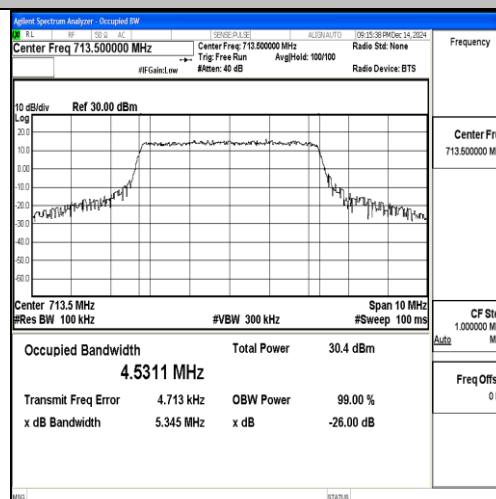
Band17-5MHz-QPSK-23790-25RB#0-PASS



Band17-5MHz-16QAM-23790-25RB#0-PASS



Band17-5MHz-QPSK-23825-25RB#0-PASS



Band17-5MHz-16QAM-23825-25RB#0-PASS

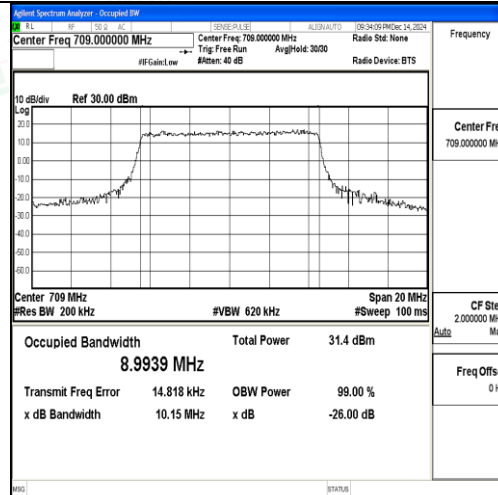


Shenzhen LCS Compliance Testing Laboratory Ltd.

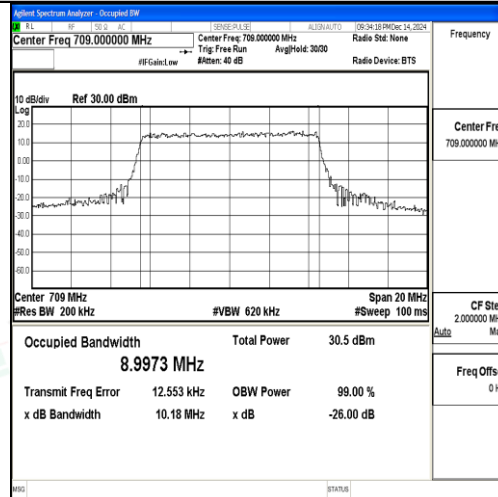
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

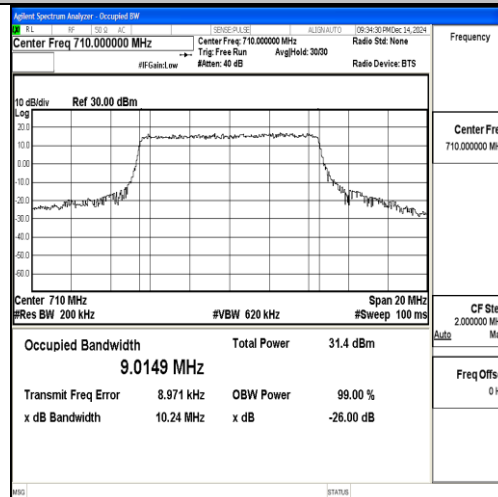
Scan code to check authenticity



Band17-10MHz-QPSK-23780-50RB#0-PASS



Band17-10MHz-16QAM-23780-50RB#0-PASS



Band17-10MHz-QPSK-23790-50RB#0-PASS

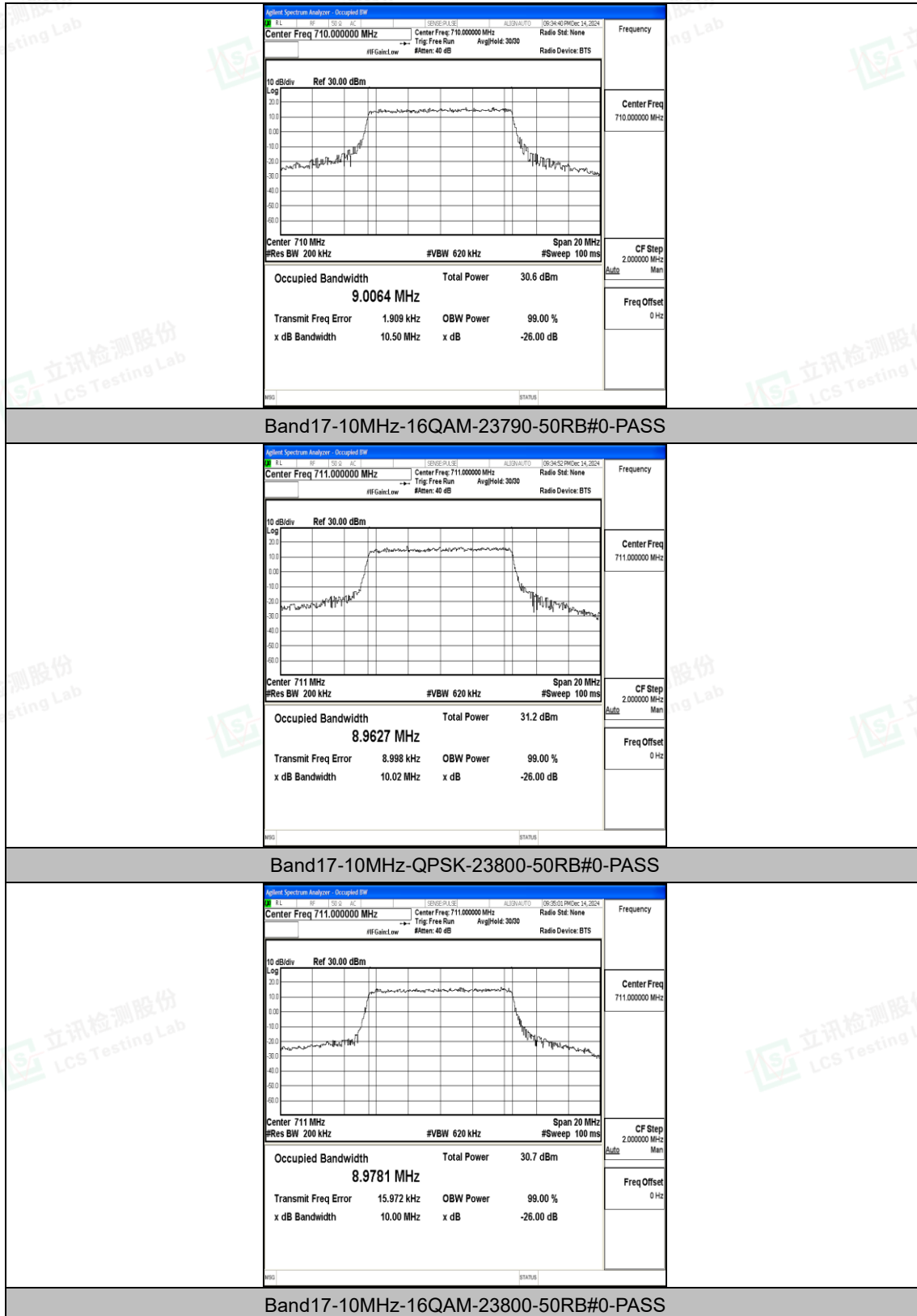


Shenzhen LCS Compliance Testing Laboratory Ltd.

Address: 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



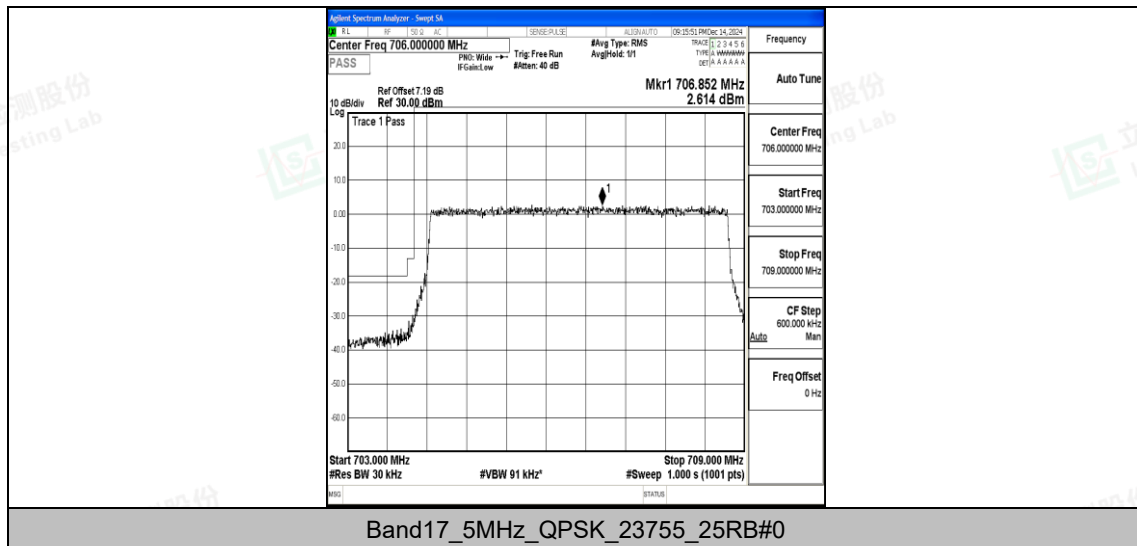


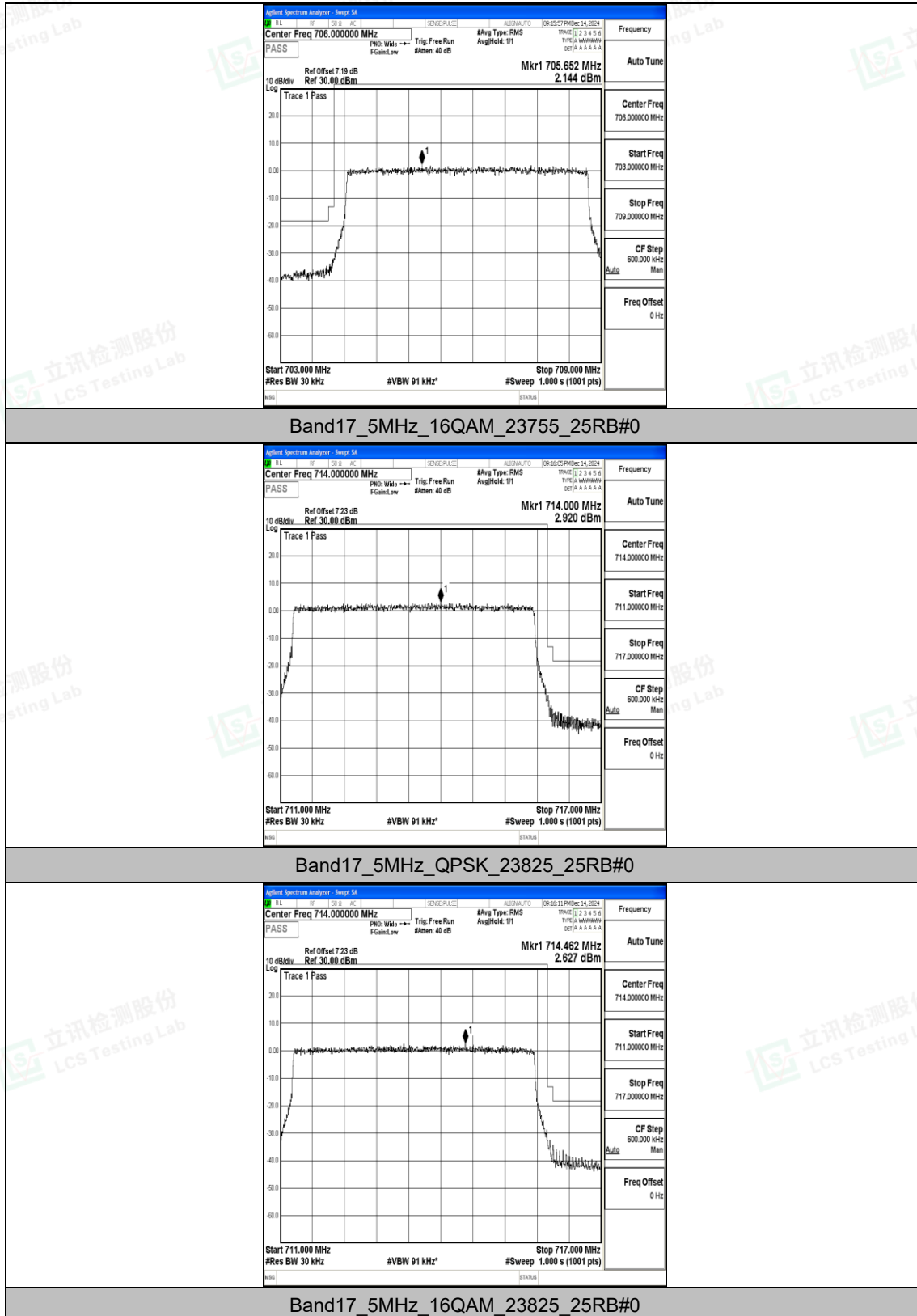
H.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	703.81	-33.68	PASS
Band17	5MHz	16QAM	23755	25RB#0	703.87	-34.75	PASS
Band17	5MHz	QPSK	23825	25RB#0	716.00	-30.80	PASS
Band17	5MHz	16QAM	23825	25RB#0	716.10	-34.26	PASS
Band17	10MHz	QPSK	23780	50RB#0	703.86	-37.15	PASS
Band17	10MHz	16QAM	23780	50RB#0	703.83	-38.43	PASS
Band17	10MHz	QPSK	23800	50RB#0	716.19	-39.18	PASS
Band17	10MHz	16QAM	23800	50RB#0	716.14	-40.11	PASS

Test Graphs



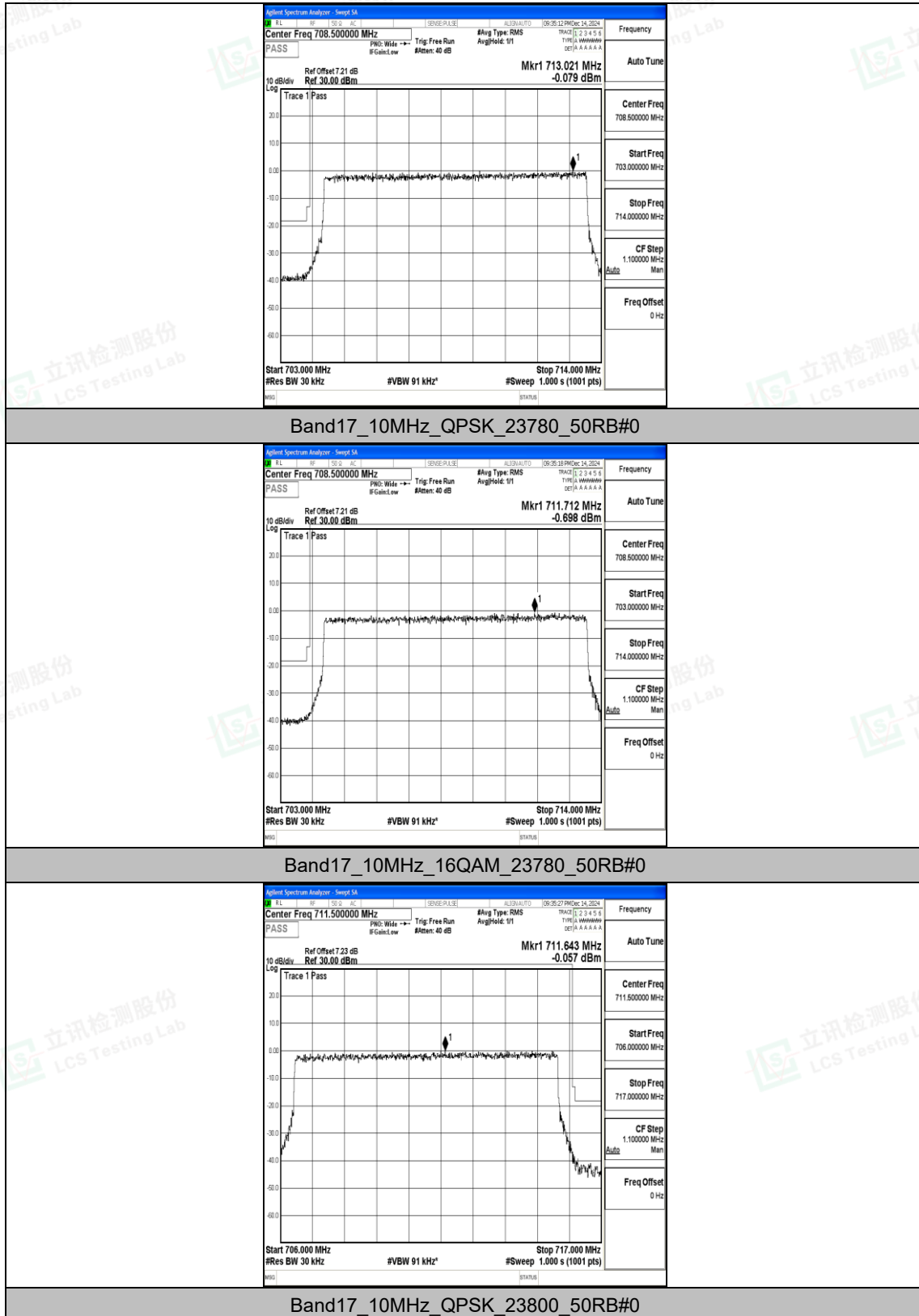


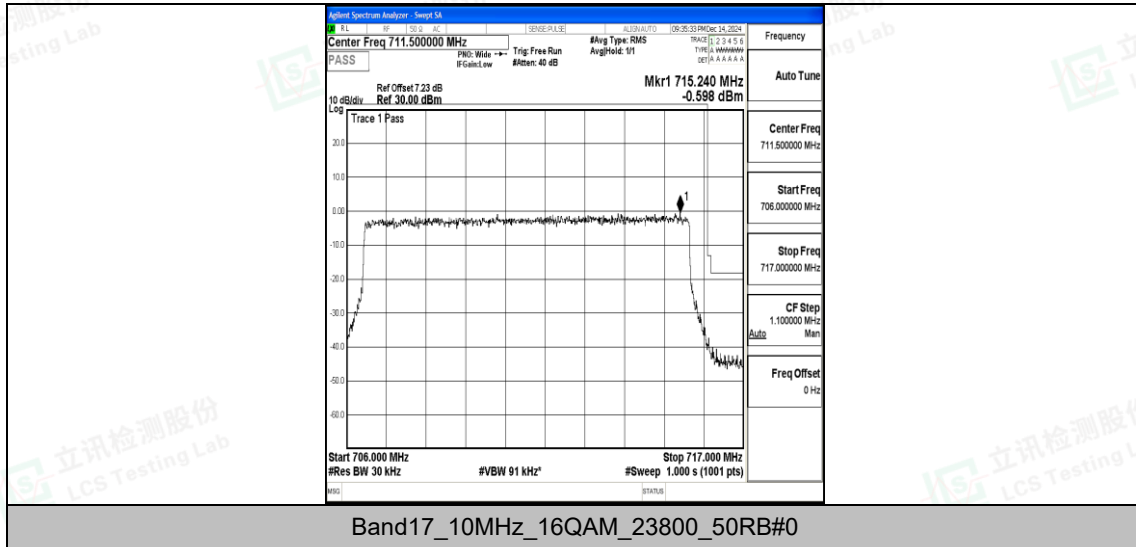
Shenzhen LCS Compliance Testing Laboratory Ltd.

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







H.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	0.009~0.15	-55.60	PASS
Band17	5MHz	QPSK	23755	1RB#0	0.15~30	-50.56	PASS
Band17	5MHz	QPSK	23755	1RB#0	30~1000	-58.94	PASS
Band17	5MHz	QPSK	23755	1RB#0	1000~3000	-41.50	PASS
Band17	5MHz	QPSK	23755	1RB#0	3000~10000	-44.39	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.009~0.15	-58.30	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.15~30	-52.80	PASS
Band17	5MHz	16QAM	23755	1RB#0	30~1000	-61.11	PASS
Band17	5MHz	16QAM	23755	1RB#0	1000~3000	-45.51	PASS
Band17	5MHz	16QAM	23755	1RB#0	3000~10000	-44.17	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.009~0.15	-60.00	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.15~30	-49.62	PASS
Band17	5MHz	QPSK	23790	1RB#0	30~1000	-60.12	PASS
Band17	5MHz	QPSK	23790	1RB#0	1000~3000	-44.57	PASS
Band17	5MHz	QPSK	23790	1RB#0	3000~10000	-43.78	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.009~0.15	-57.61	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.15~30	-50.92	PASS
Band17	5MHz	16QAM	23790	1RB#0	30~1000	-60.75	PASS
Band17	5MHz	16QAM	23790	1RB#0	1000~3000	-45.97	PASS
Band17	5MHz	16QAM	23790	1RB#0	3000~10000	-43.86	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.009~0.15	-56.62	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.15~30	-52.52	PASS
Band17	5MHz	QPSK	23825	1RB#0	30~1000	-59.75	PASS
Band17	5MHz	QPSK	23825	1RB#0	1000~3000	-43.73	PASS
Band17	5MHz	QPSK	23825	1RB#0	3000~10000	-44.13	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.009~0.15	-57.31	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.15~30	-51.80	PASS
Band17	5MHz	16QAM	23825	1RB#0	30~1000	-47.99	PASS
Band17	5MHz	16QAM	23825	1RB#0	1000~3000	-44.26	PASS
Band17	5MHz	16QAM	23825	1RB#0	3000~10000	-43.85	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.009~0.15	-56.56	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.15~30	-53.63	PASS
Band17	10MHz	QPSK	23780	1RB#0	30~1000	-61.95	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



Band17	10MHz	QPSK	23780	1RB#0	1000~3000	-44.16	PASS
Band17	10MHz	QPSK	23780	1RB#0	3000~10000	-44.26	PASS
Band17	10MHz	16QAM	23780	1RB#0	0.009~0.15	-56.49	PASS
Band17	10MHz	16QAM	23780	1RB#0	0.15~30	-53.40	PASS
Band17	10MHz	16QAM	23780	1RB#0	30~1000	-61.92	PASS
Band17	10MHz	16QAM	23780	1RB#0	1000~3000	-43.76	PASS
Band17	10MHz	16QAM	23780	1RB#0	3000~10000	-43.95	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.009~0.15	-58.80	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.15~30	-53.60	PASS
Band17	10MHz	QPSK	23790	1RB#0	30~1000	-62.14	PASS
Band17	10MHz	QPSK	23790	1RB#0	1000~3000	-44.16	PASS
Band17	10MHz	QPSK	23790	1RB#0	3000~10000	-44.27	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.009~0.15	-58.95	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.15~30	-53.28	PASS
Band17	10MHz	16QAM	23790	1RB#0	30~1000	-61.93	PASS
Band17	10MHz	16QAM	23790	1RB#0	1000~3000	-44.95	PASS
Band17	10MHz	16QAM	23790	1RB#0	3000~10000	-44.09	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.009~0.15	-57.00	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.15~30	-50.41	PASS
Band17	10MHz	QPSK	23800	1RB#0	30~1000	-62.11	PASS
Band17	10MHz	QPSK	23800	1RB#0	1000~3000	-43.34	PASS
Band17	10MHz	QPSK	23800	1RB#0	3000~10000	-44.32	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.009~0.15	-58.10	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.15~30	-51.12	PASS
Band17	10MHz	16QAM	23800	1RB#0	30~1000	-62.04	PASS
Band17	10MHz	16QAM	23800	1RB#0	1000~3000	-42.11	PASS
Band17	10MHz	16QAM	23800	1RB#0	3000~10000	-43.91	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

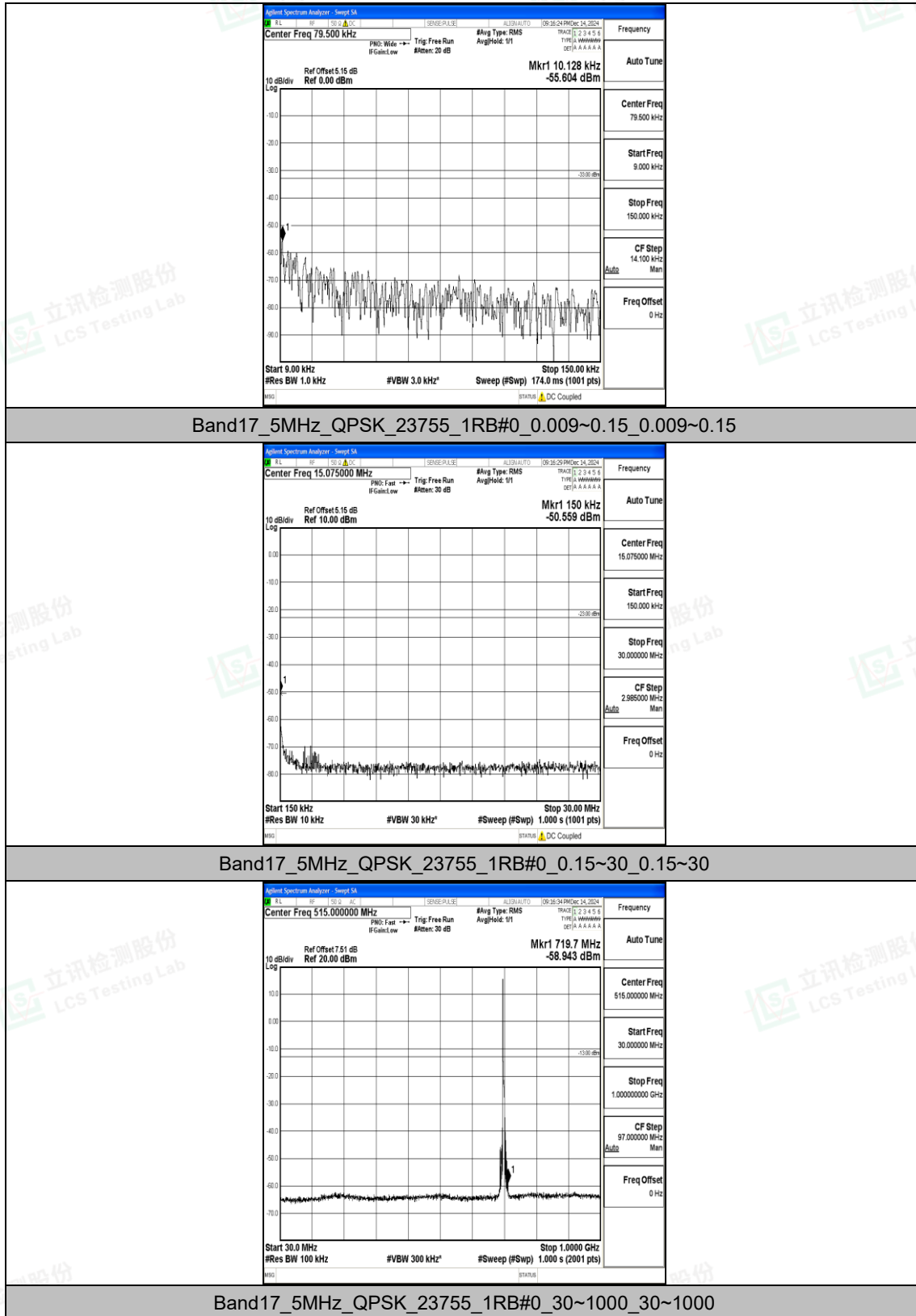
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

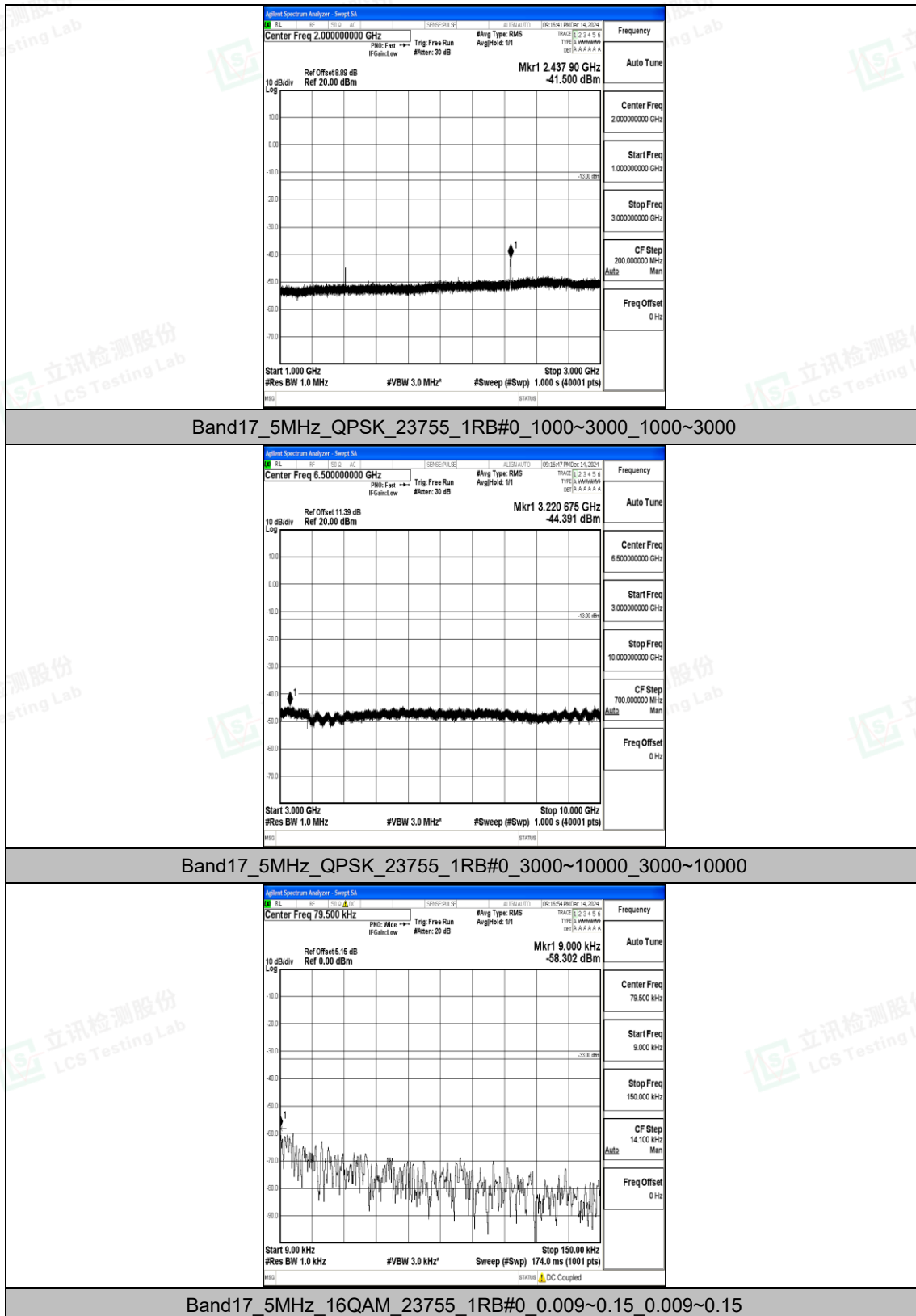
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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

