



Appendix M: Test Data for E-UTRA Band 17

Product Name: Tablet

Test Model: HIP-T69

Environmental Conditions

Temperature:	23.9°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Jose Zhu
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



M.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	23.85	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.21	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.61	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.21	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.62	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.33	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.77	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.94	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.77	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.93	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.71	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.86	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.97	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.56	PASS
Band17	5MHz	16QAM	23790	1RB#0	23.04	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.52	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.96	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.47	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.96	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.66	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.81	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.71	PASS
Band17	5MHz	16QAM	23790	12RB#6	21.81	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.73	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.93	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.74	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.84	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.54	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.47	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.50	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.70	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.81	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.52	PASS
Band17	5MHz	QPSK	23825	12RB#0	22.71	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	16QAM	23825	12RB#0	21.78	PASS
Band17	5MHz	QPSK	23825	12RB#6	22.71	PASS
Band17	5MHz	16QAM	23825	12RB#6	21.78	PASS
Band17	5MHz	QPSK	23825	12RB#13	22.65	PASS
Band17	5MHz	16QAM	23825	12RB#13	21.91	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.65	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.91	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.42	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.45	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.29	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.73	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.40	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.71	PASS
Band17	10MHz	QPSK	23780	25RB#0	22.70	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.69	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.56	PASS
Band17	10MHz	16QAM	23780	25RB#12	21.69	PASS
Band17	10MHz	QPSK	23780	25RB#25	22.52	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.64	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.71	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.68	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.74	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.61	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.63	PASS
Band17	10MHz	16QAM	23790	1RB#24	22.57	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.56	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.40	PASS
Band17	10MHz	QPSK	23790	25RB#0	22.67	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.79	PASS
Band17	10MHz	QPSK	23790	25RB#12	22.52	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.76	PASS
Band17	10MHz	QPSK	23790	25RB#25	22.62	PASS
Band17	10MHz	16QAM	23790	25RB#25	21.83	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.61	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.37	PASS
Band17	10MHz	16QAM	23800	1RB#0	23.36	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.31	PASS
Band17	10MHz	16QAM	23800	1RB#24	22.64	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.34	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	16QAM	23800	1RB#49	22.76	PASS
Band17	10MHz	QPSK	23800	25RB#0	22.45	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.81	PASS
Band17	10MHz	QPSK	23800	25RB#12	22.46	PASS
Band17	10MHz	16QAM	23800	25RB#12	21.72	PASS
Band17	10MHz	QPSK	23800	25RB#25	22.52	PASS
Band17	10MHz	16QAM	23800	25RB#25	21.83	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.38	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.76	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



M.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	5.65	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	5.82	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.64	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.30	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	4.91	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.70	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.42	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.14	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	4.98	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	5.73	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.67	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.35	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	4.76	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	5.84	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.60	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.32	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	4.86	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	5.62	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.55	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.29	13	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

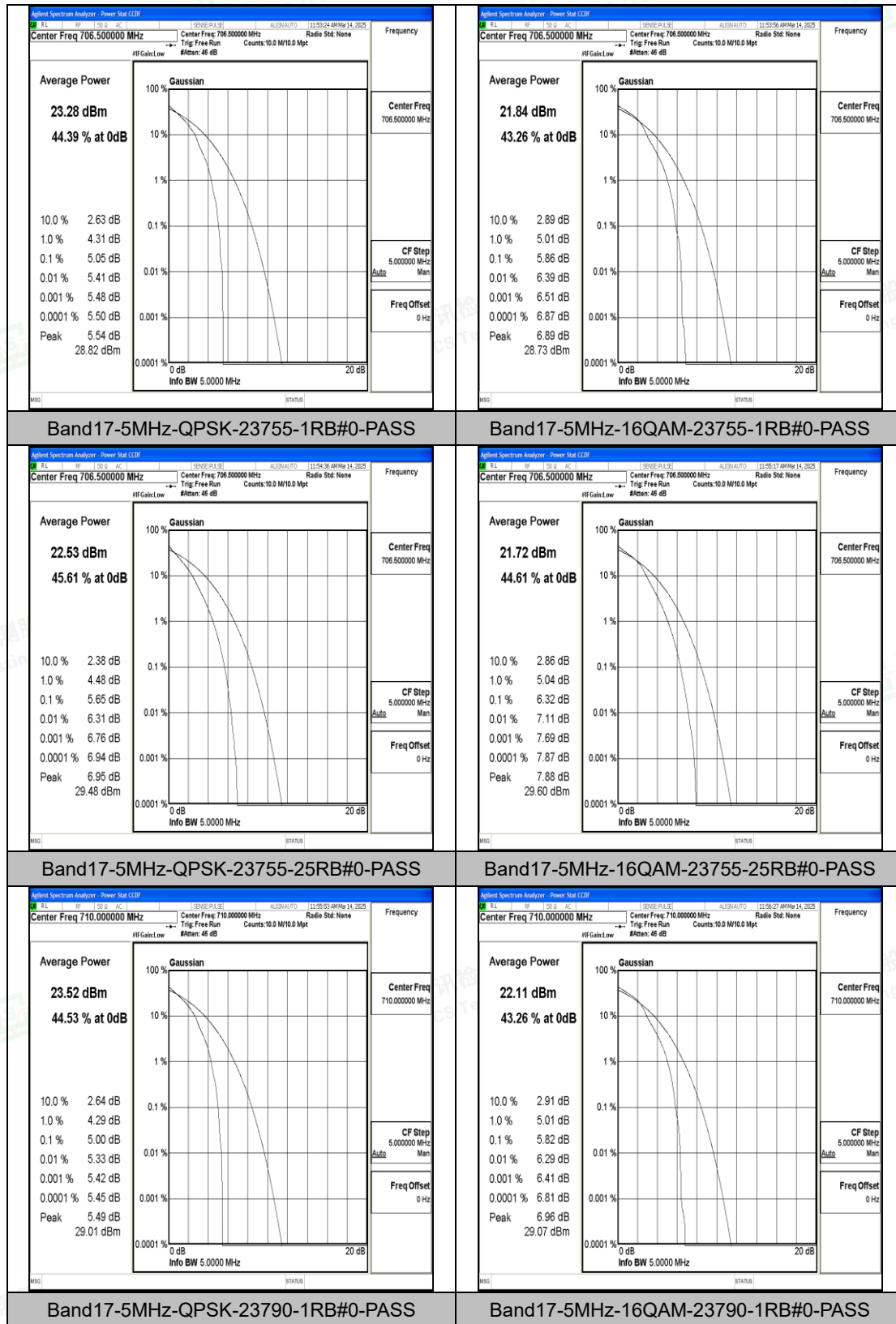
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

Scan code to check authenticity



Test Graphs

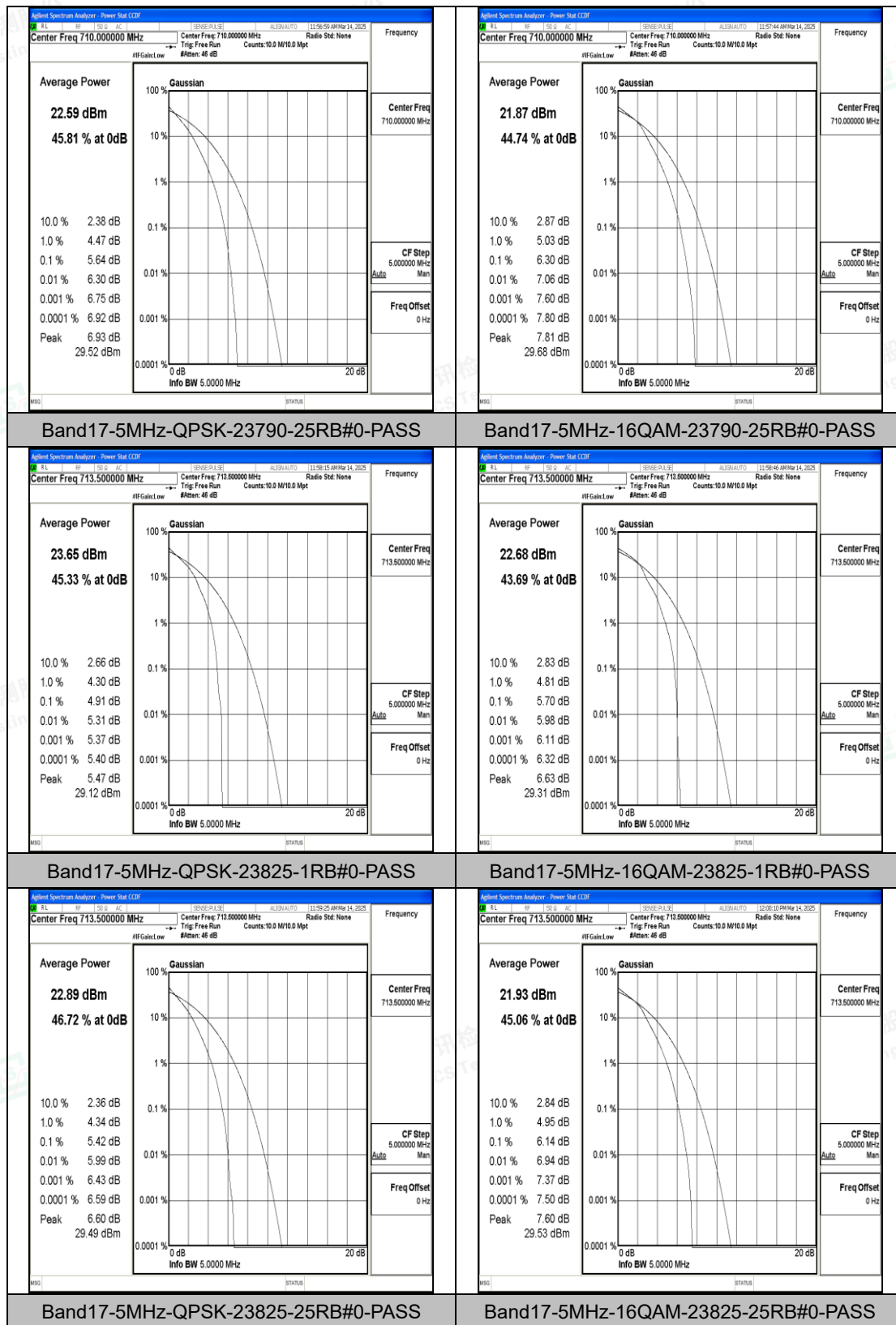


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity

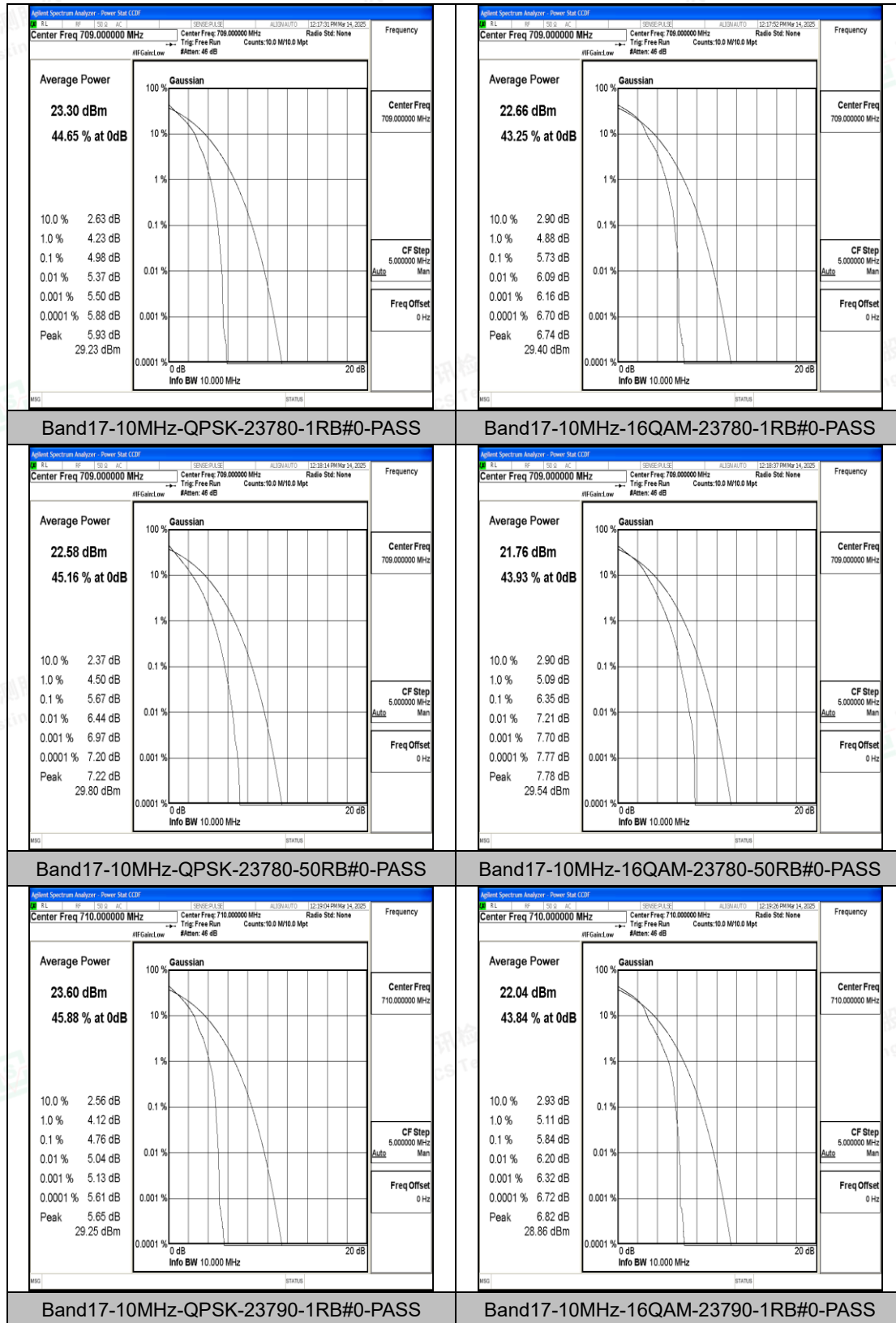


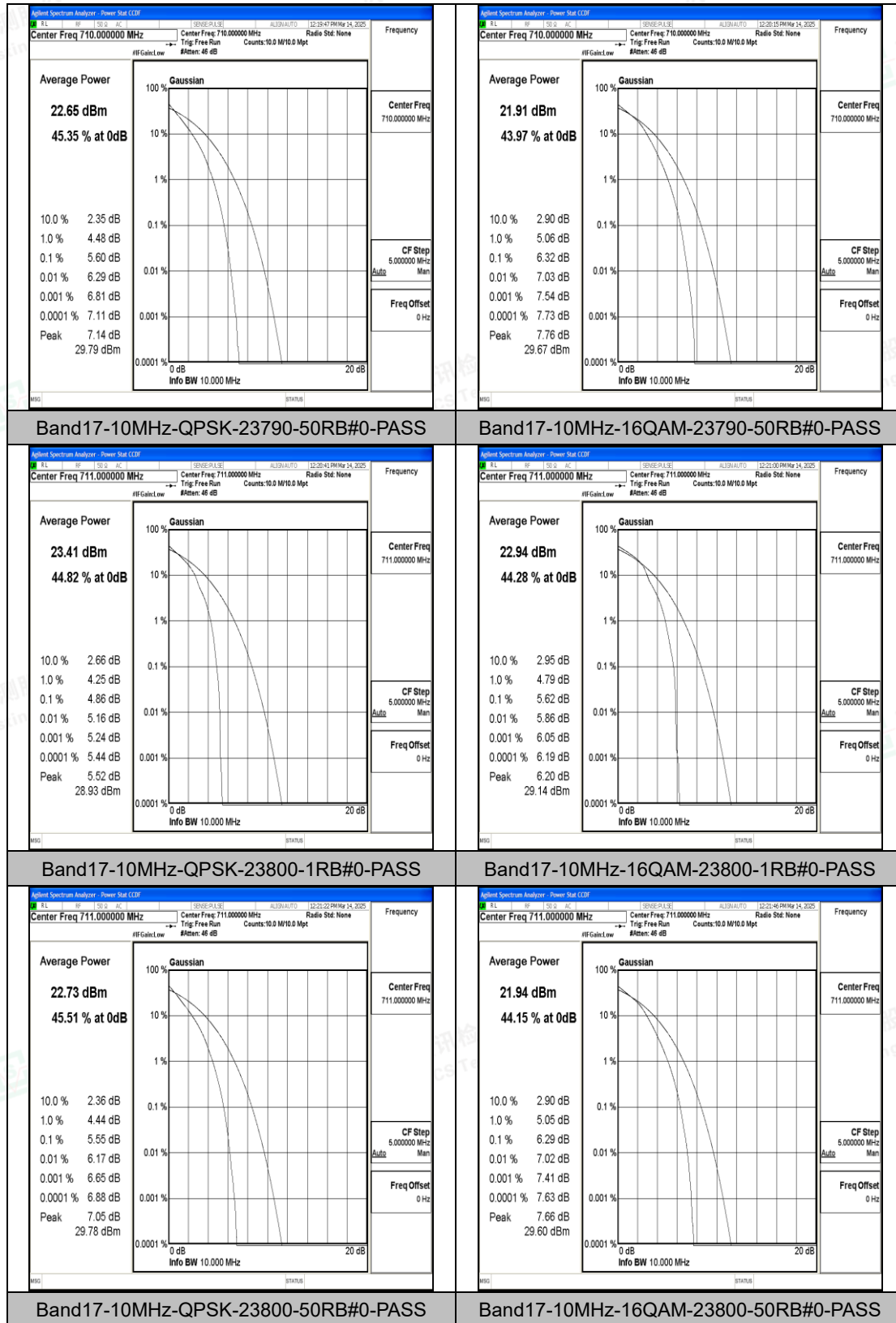
Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity







M.3 26dB Bandwidth and Occupied Bandwidth

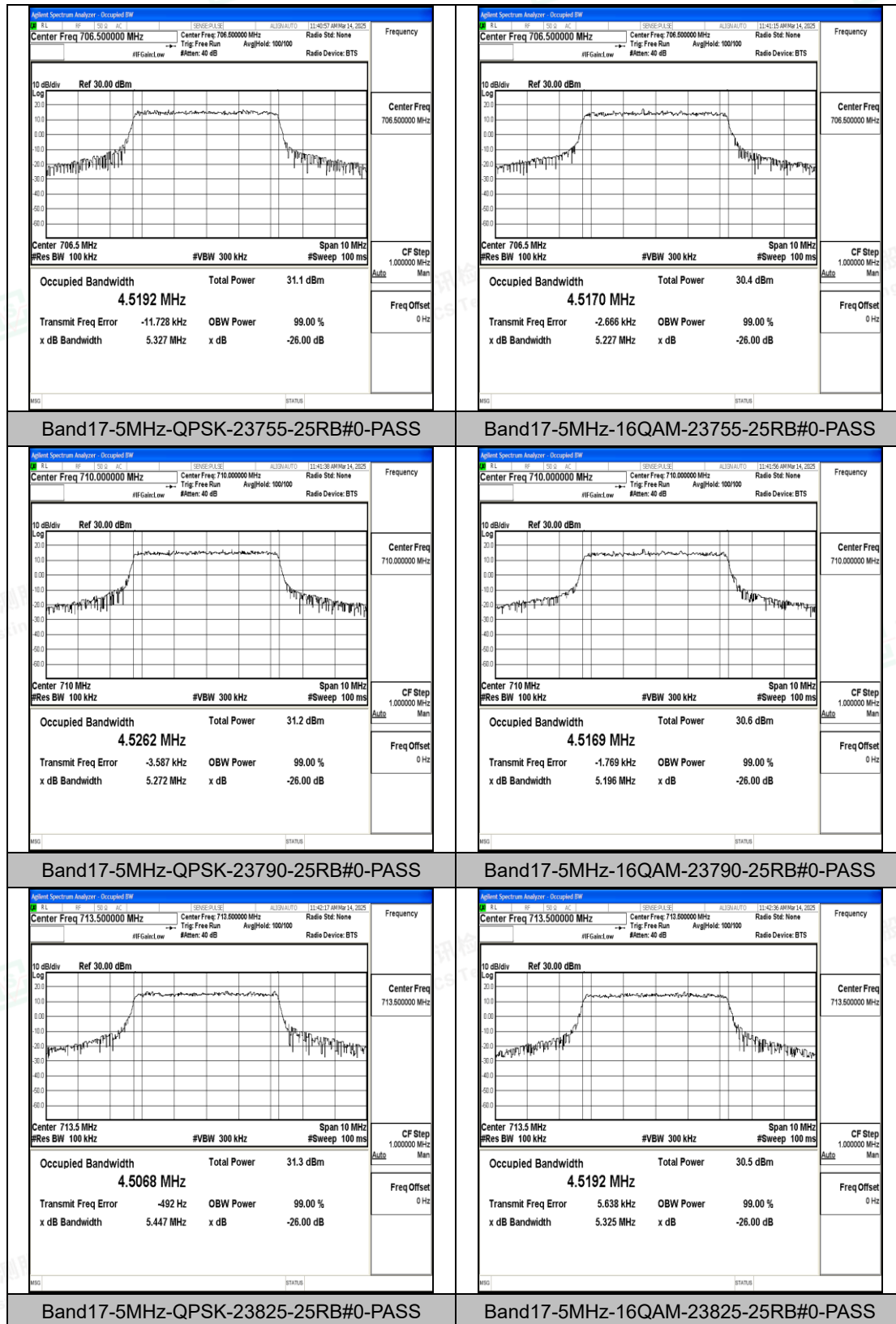
Test Result

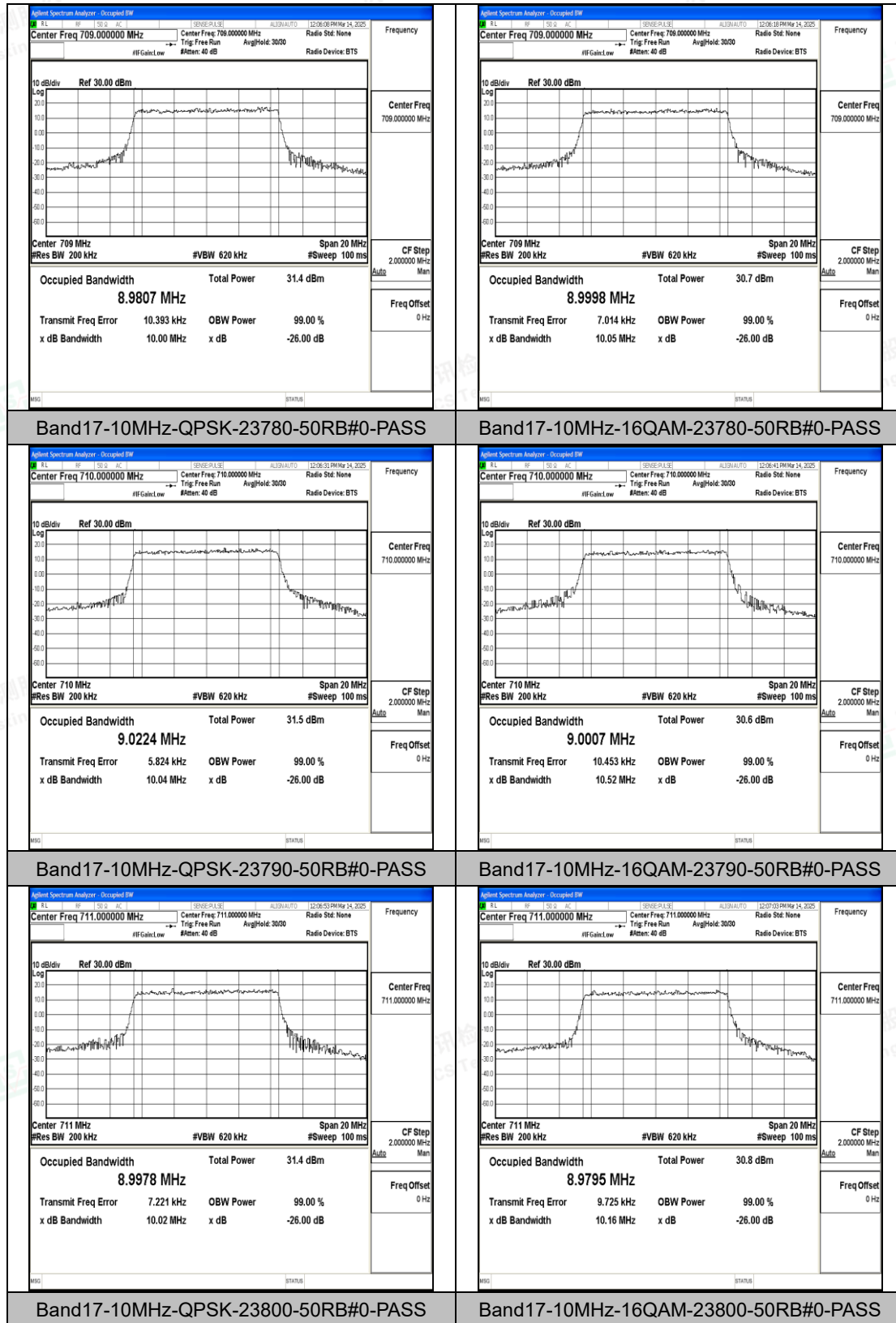
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5192	5.327	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5170	5.227	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5262	5.272	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5169	5.196	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5068	5.447	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5192	5.325	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9807	10.00	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9998	10.05	PASS
Band17	10MHz	QPSK	23790	50RB#0	9.0224	10.04	PASS
Band17	10MHz	16QAM	23790	50RB#0	9.0007	10.52	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9978	10.02	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9795	10.16	PASS





Test Graphs





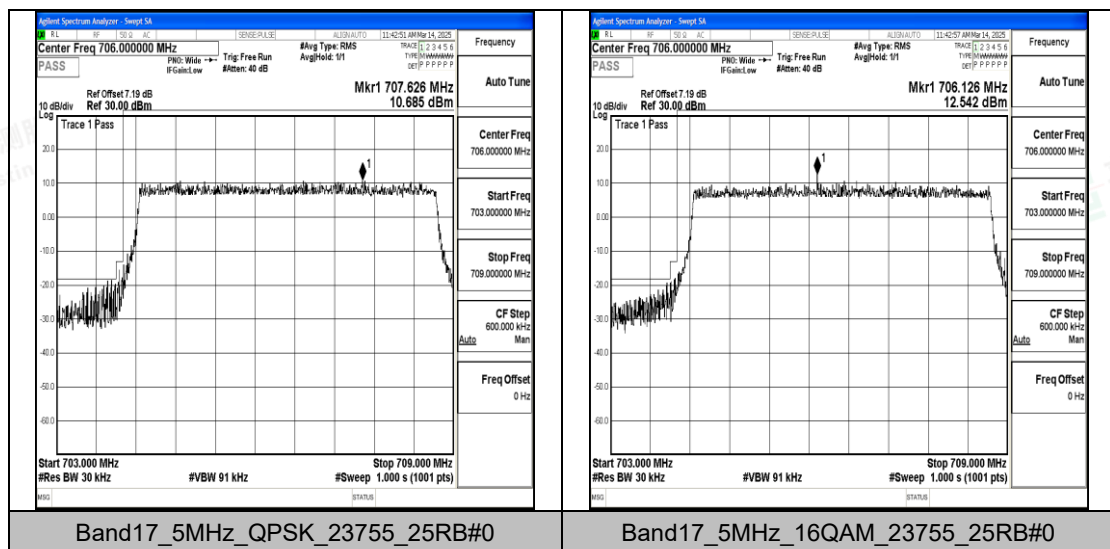


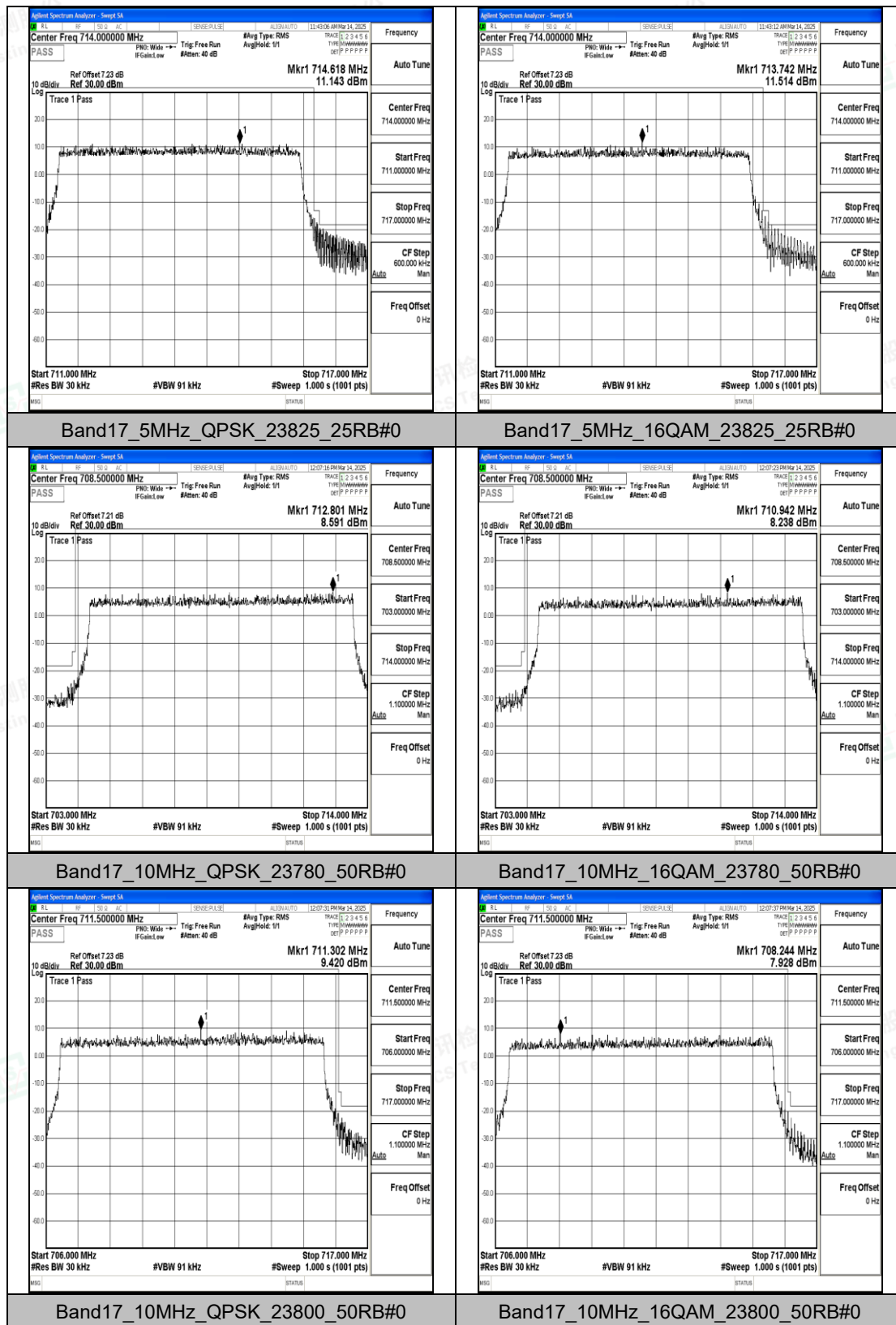
M.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	-18.59	PASS
Band17	5MHz	16QAM	23755	25RB#0	-19.40	PASS
Band17	5MHz	QPSK	23825	25RB#0	-19.62	PASS
Band17	5MHz	16QAM	23825	25RB#0	-18.45	PASS
Band17	10MHz	QPSK	23780	50RB#0	-24.74	PASS
Band17	10MHz	16QAM	23780	50RB#0	-27.21	PASS
Band17	10MHz	QPSK	23800	50RB#0	-22.55	PASS
Band17	10MHz	16QAM	23800	50RB#0	-22.65	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



M.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	-57.87	PASS
Band17	5MHz	QPSK	23755	1RB#0	0.15~30	-45.37	PASS
Band17	5MHz	QPSK	23755	1RB#0	30~1000	-42.77	PASS
Band17	5MHz	QPSK	23755	1RB#0	1000~3000	-37.69	PASS
Band17	5MHz	QPSK	23755	1RB#0	3000~10000	-35.63	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.009~0.15	-57.97	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.15~30	-45.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	30~1000	-47.49	PASS
Band17	5MHz	16QAM	23755	1RB#0	1000~3000	-38.13	PASS
Band17	5MHz	16QAM	23755	1RB#0	3000~10000	-35.07	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.009~0.15	-55.85	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.15~30	-43.92	PASS
Band17	5MHz	QPSK	23790	1RB#0	30~1000	-44.78	PASS
Band17	5MHz	QPSK	23790	1RB#0	1000~3000	-36.93	PASS
Band17	5MHz	QPSK	23790	1RB#0	3000~10000	-35.58	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.009~0.15	-58.58	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.15~30	-48.41	PASS
Band17	5MHz	16QAM	23790	1RB#0	30~1000	-44.10	PASS
Band17	5MHz	16QAM	23790	1RB#0	1000~3000	-37.41	PASS
Band17	5MHz	16QAM	23790	1RB#0	3000~10000	-35.29	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.009~0.15	-58.62	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.15~30	-44.75	PASS
Band17	5MHz	QPSK	23825	1RB#0	30~1000	-41.68	PASS
Band17	5MHz	QPSK	23825	1RB#0	1000~3000	-37.00	PASS
Band17	5MHz	QPSK	23825	1RB#0	3000~10000	-35.09	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.009~0.15	-58.78	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.15~30	-46.89	PASS
Band17	5MHz	16QAM	23825	1RB#0	30~1000	-38.67	PASS
Band17	5MHz	16QAM	23825	1RB#0	1000~3000	-37.75	PASS
Band17	5MHz	16QAM	23825	1RB#0	3000~10000	-35.63	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.009~0.15	-54.65	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.15~30	-46.98	PASS
Band17	10MHz	QPSK	23780	1RB#0	30~1000	-52.76	PASS
Band17	10MHz	QPSK	23780	1RB#0	1000~3000	-38.46	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