



Appendix G: Test Data for E-UTRA Band 13

Product Name: Pawfit Lite GPS pet tracker (Pawfit Lite, Pawfit Lite For Cats, Pawfit Lite For Dogs)

Test Model: TR3C

Environmental Conditions

Temperature:	23.9°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
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



G.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	23.97	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.69	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.97	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.59	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.87	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.59	PASS
Band13	5MHz	QPSK	23205	12RB#0	23.01	PASS
Band13	5MHz	16QAM	23205	12RB#0	23.06	PASS
Band13	5MHz	QPSK	23205	12RB#6	23.02	PASS
Band13	5MHz	16QAM	23205	12RB#6	23.08	PASS
Band13	5MHz	QPSK	23205	12RB#13	23.12	PASS
Band13	5MHz	16QAM	23205	12RB#13	23.12	PASS
Band13	5MHz	QPSK	23205	25RB#0	23.14	PASS
Band13	5MHz	16QAM	23205	25RB#0	22.44	PASS
Band13	5MHz	QPSK	23230	1RB#0	24.05	PASS
Band13	5MHz	16QAM	23230	1RB#0	23.11	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.90	PASS
Band13	5MHz	16QAM	23230	1RB#12	23.07	PASS
Band13	5MHz	QPSK	23230	1RB#24	24.12	PASS
Band13	5MHz	16QAM	23230	1RB#24	23.08	PASS
Band13	5MHz	QPSK	23230	12RB#0	23.12	PASS
Band13	5MHz	16QAM	23230	12RB#0	23.12	PASS
Band13	5MHz	QPSK	23230	12RB#6	23.12	PASS
Band13	5MHz	16QAM	23230	12RB#6	23.03	PASS
Band13	5MHz	QPSK	23230	12RB#13	23.05	PASS
Band13	5MHz	16QAM	23230	12RB#13	23.00	PASS
Band13	5MHz	QPSK	23230	25RB#0	23.06	PASS
Band13	5MHz	16QAM	23230	25RB#0	22.57	PASS
Band13	5MHz	QPSK	23255	1RB#0	24.22	PASS
Band13	5MHz	16QAM	23255	1RB#0	23.21	PASS
Band13	5MHz	QPSK	23255	1RB#12	24.23	PASS
Band13	5MHz	16QAM	23255	1RB#12	23.24	PASS
Band13	5MHz	QPSK	23255	1RB#24	24.02	PASS
Band13	5MHz	16QAM	23255	1RB#24	23.13	PASS
Band13	5MHz	QPSK	23255	12RB#0	23.07	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



Band13	5MHz	16QAM	23255	12RB#0	23.00	PASS
Band13	5MHz	QPSK	23255	12RB#6	22.95	PASS
Band13	5MHz	16QAM	23255	12RB#6	22.95	PASS
Band13	5MHz	QPSK	23255	12RB#13	22.94	PASS
Band13	5MHz	16QAM	23255	12RB#13	22.94	PASS
Band13	5MHz	QPSK	23255	25RB#0	23.07	PASS
Band13	5MHz	16QAM	23255	25RB#0	22.36	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.77	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.29	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.69	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.29	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.64	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.20	PASS
Band13	10MHz	QPSK	23230	25RB#0	22.99	PASS
Band13	10MHz	16QAM	23230	25RB#0	22.98	PASS
Band13	10MHz	QPSK	23230	25RB#12	22.98	PASS
Band13	10MHz	16QAM	23230	25RB#12	22.98	PASS
Band13	10MHz	QPSK	23230	25RB#25	22.94	PASS
Band13	10MHz	16QAM	23230	25RB#25	22.94	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.95	PASS
Band13	10MHz	16QAM	23230	50RB#0	22.19	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



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

Test Result

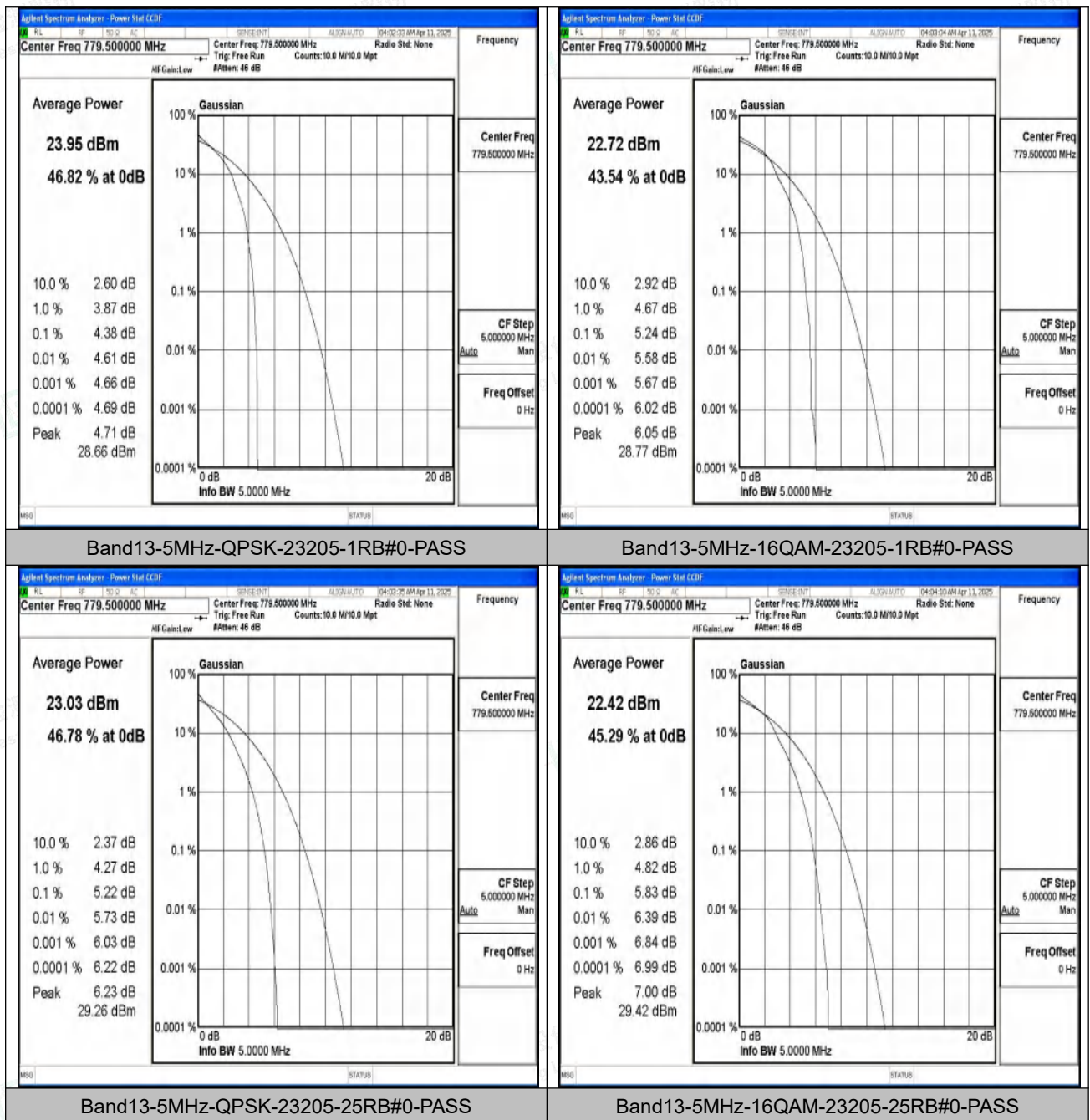
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	4.38	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	5.24	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	5.22	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	5.83	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	4.24	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	4.72	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.30	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.92	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	4.27	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	5.08	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	5.42	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	6.07	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	4.44	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	5.22	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.40	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.08	13	PASS

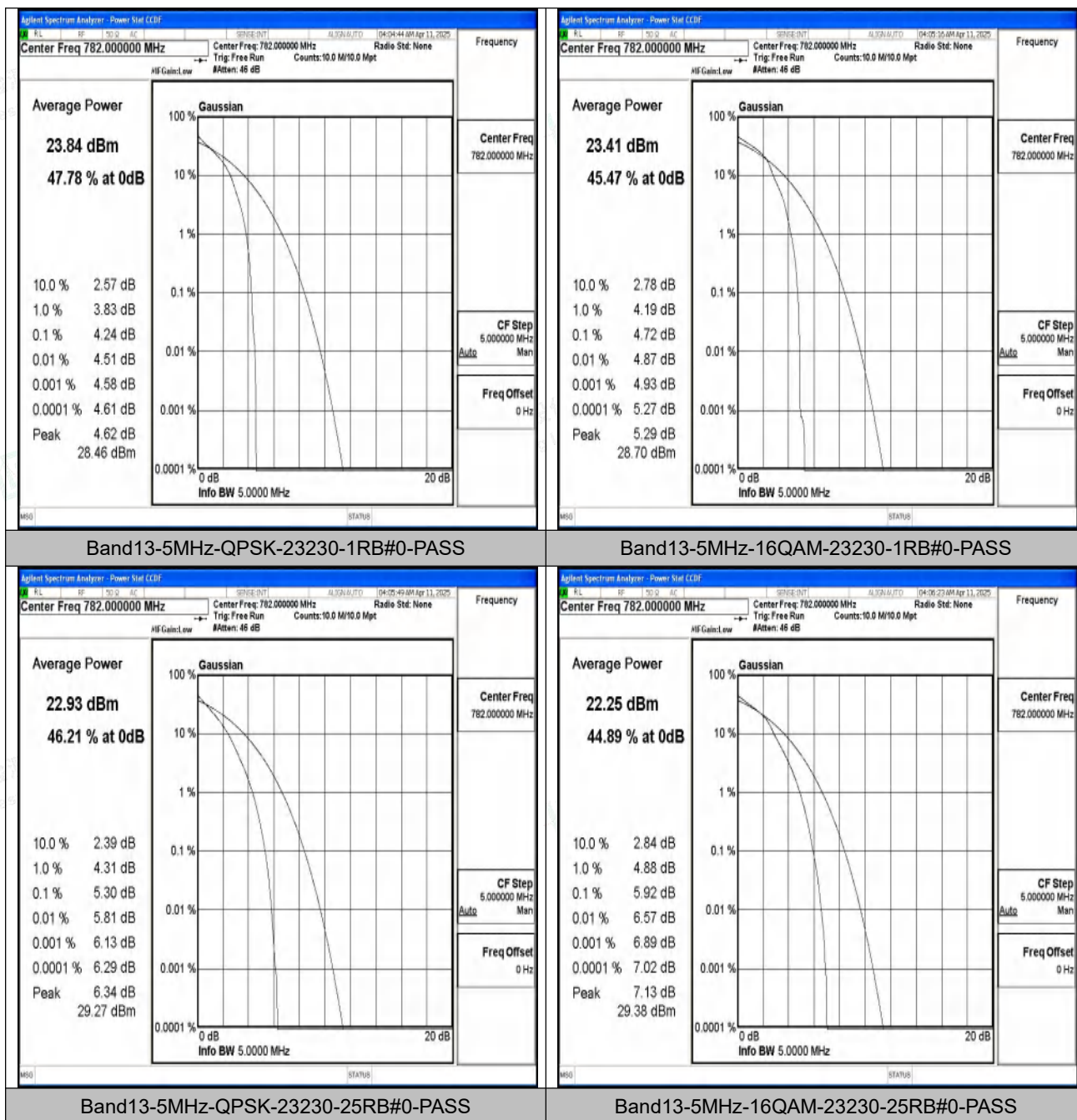


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street,
Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

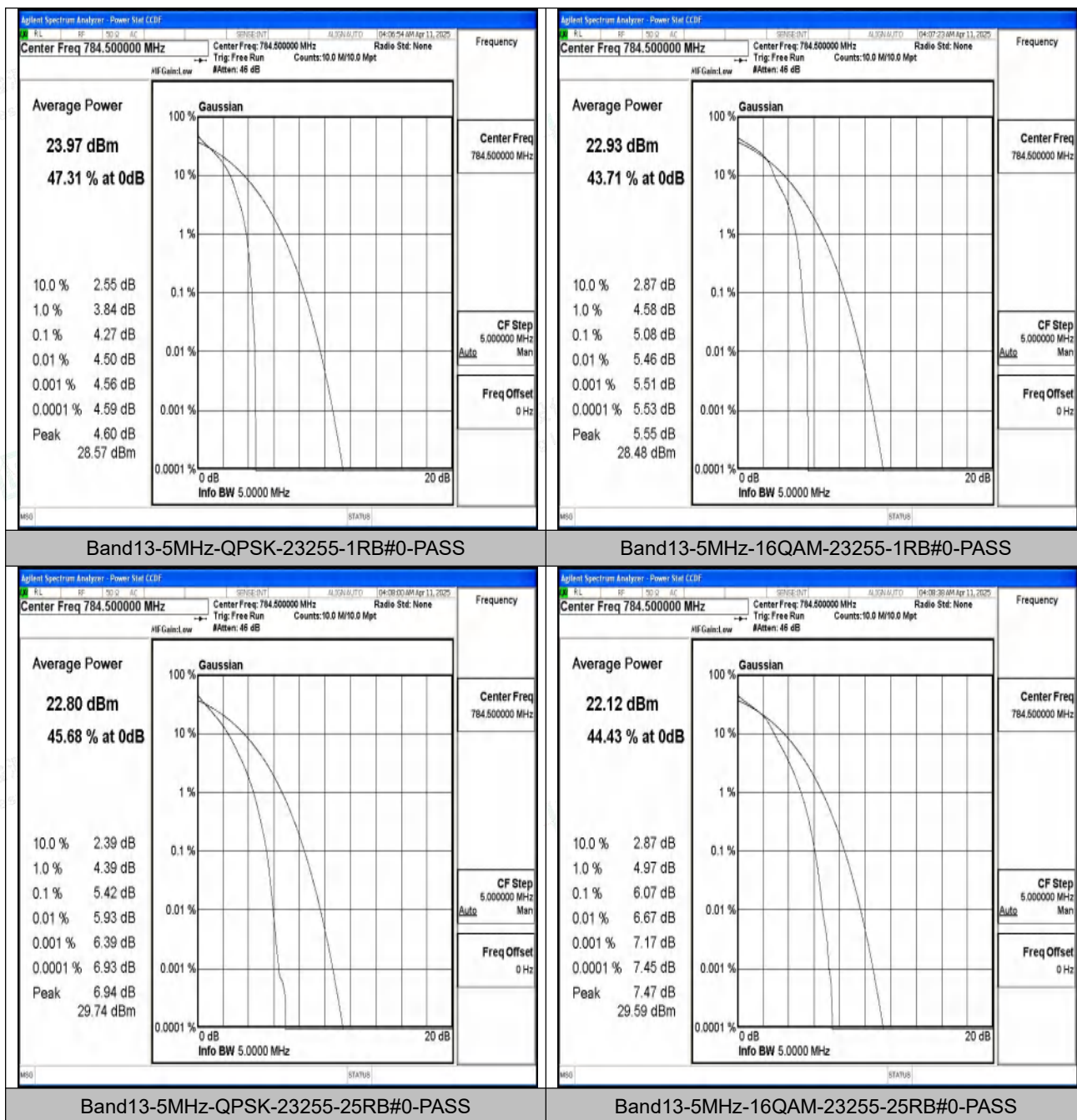


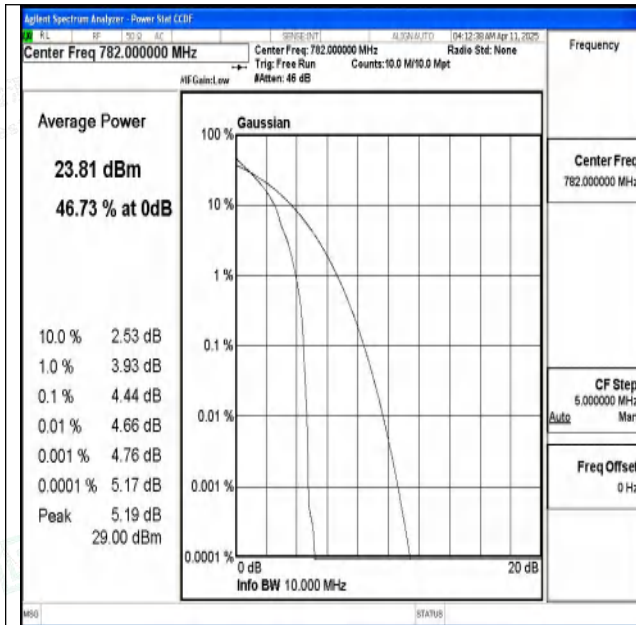
Test Graphs



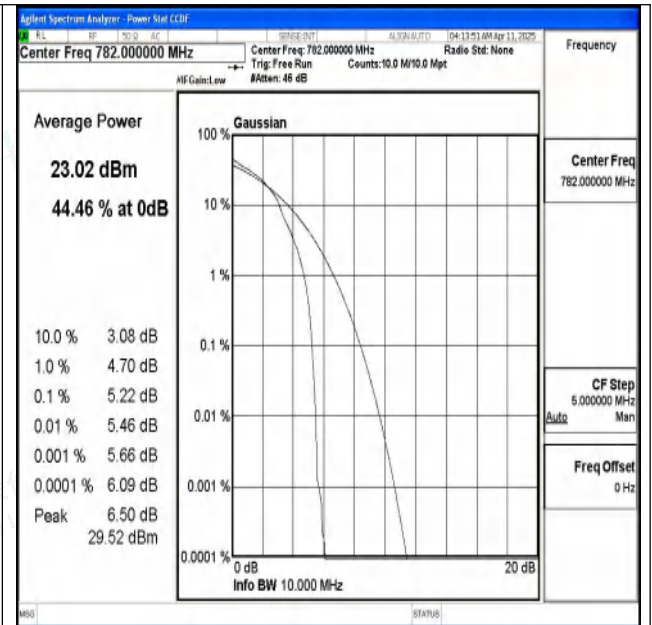


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street,
Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

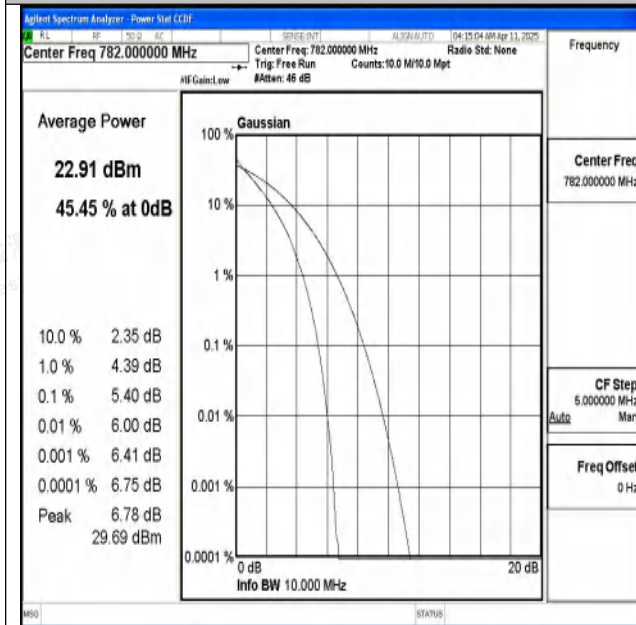




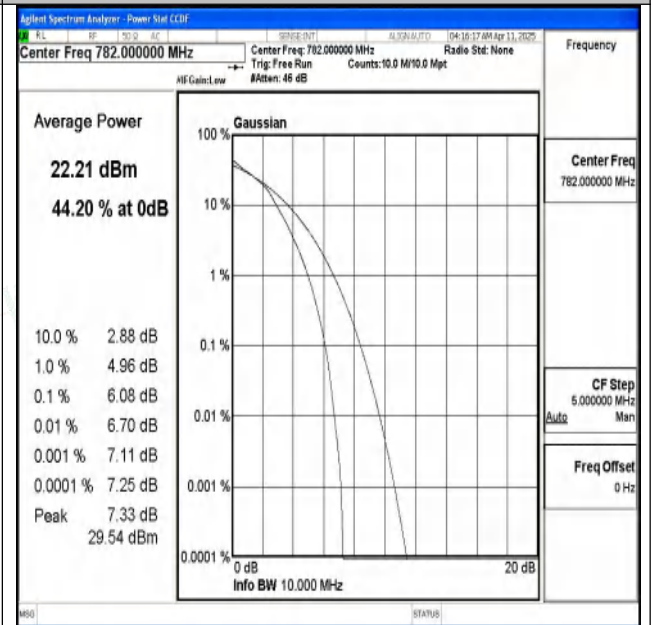
Band13-10MHz-QPSK-23230-1RB#0-PASS



Band13-10MHz-16QAM-23230-1RB#0-PASS



Band13-10MHz-QPSK-23230-50RB#0-PASS



Band13-10MHz-16QAM-23230-50RB#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



G.3 26dB Bandwidth and Occupied Bandwidth

Test Result

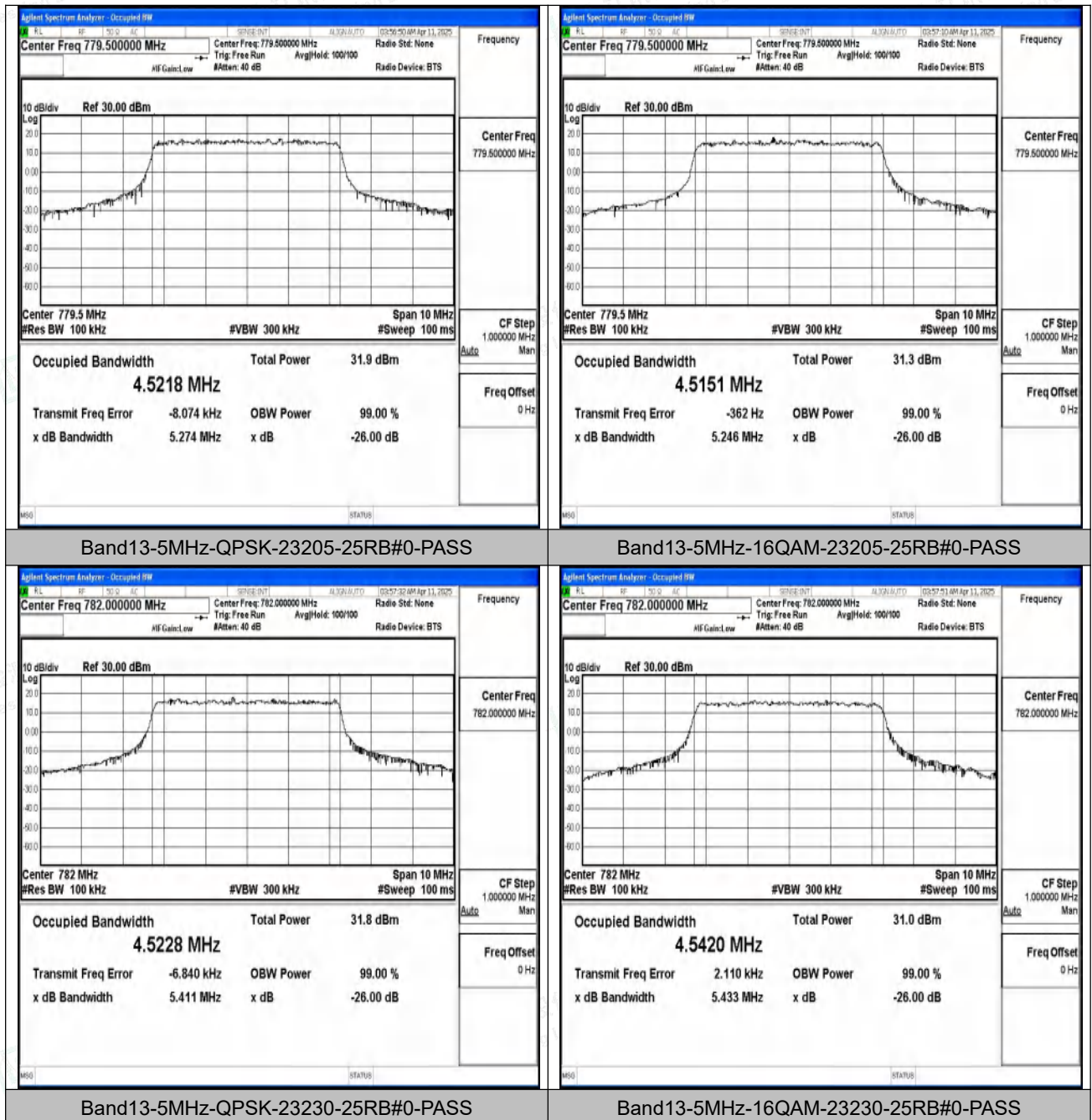
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.5218	5.274	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.5151	5.246	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.5228	5.411	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5420	5.433	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5216	5.202	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5494	5.474	PASS
Band13	10MHz	QPSK	23230	50RB#0	9.0022	10.16	PASS
Band13	10MHz	16QAM	23230	50RB#0	9.0100	10.48	PASS



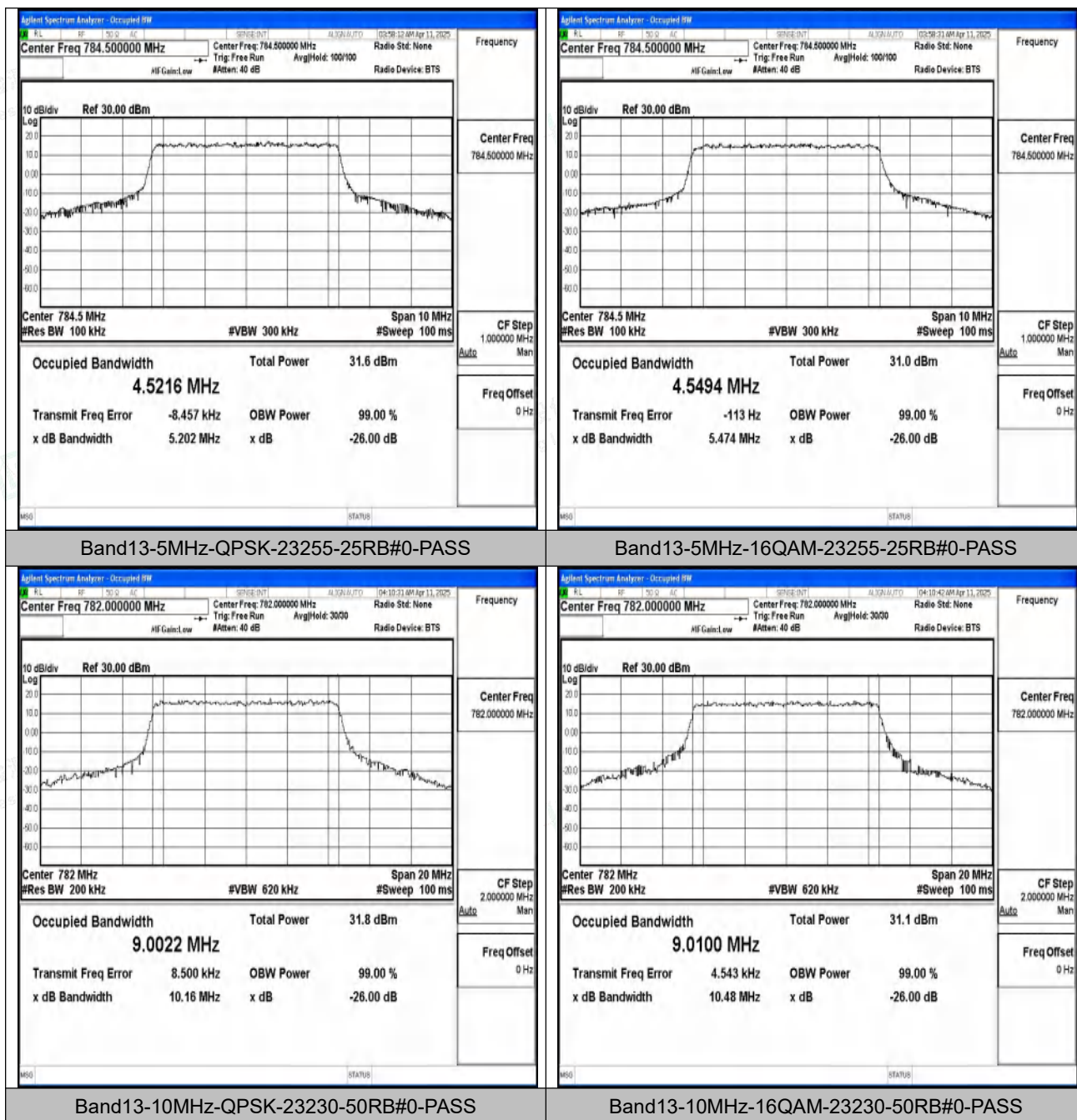
Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street,
Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



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

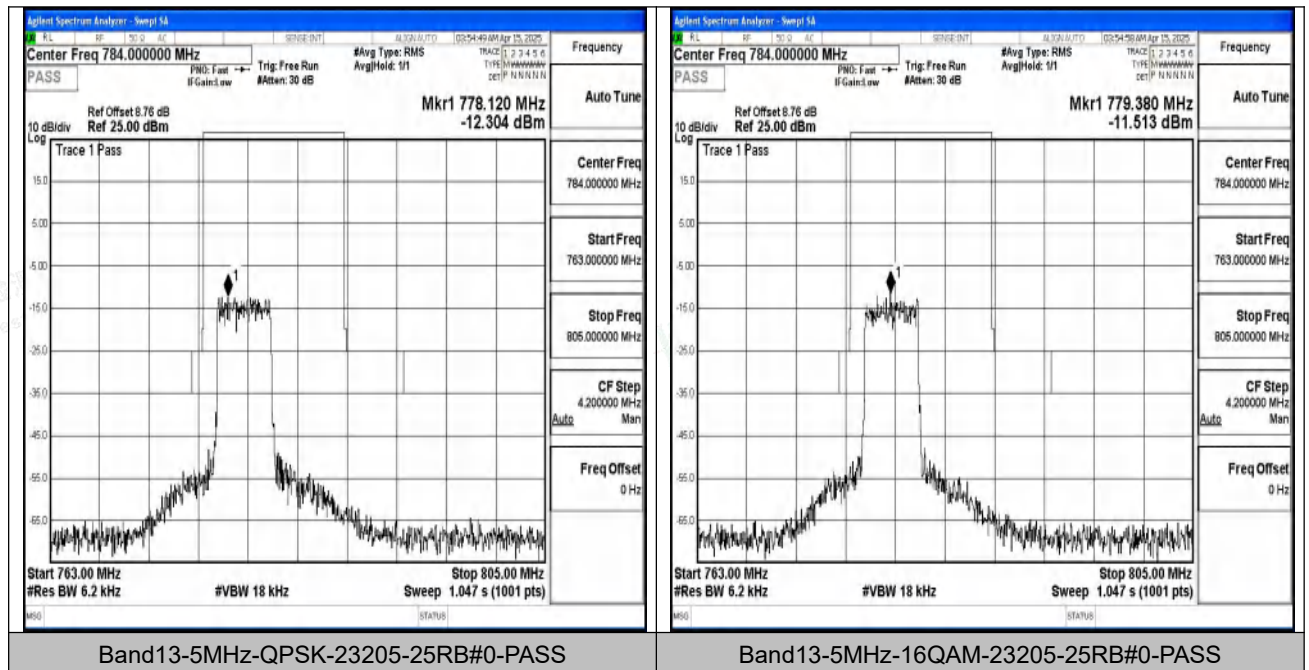


G.4 Band Edge

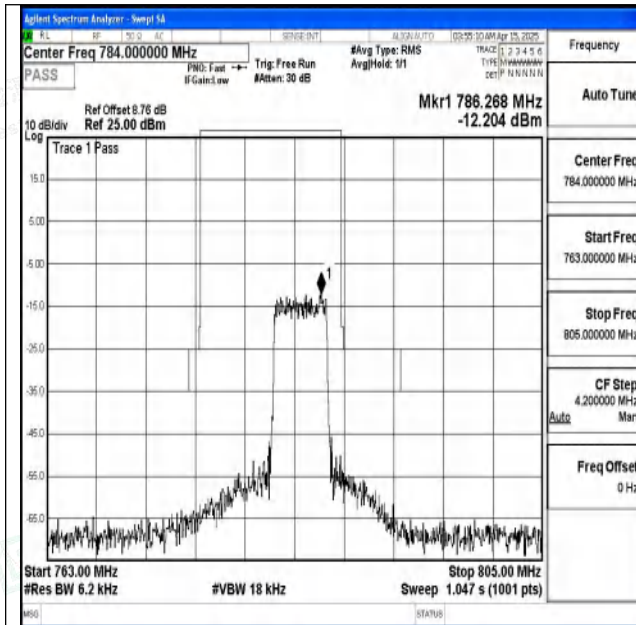
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	-70.03	PASS
Band13	5MHz	16QAM	23205	25RB#0	-71.22	PASS
Band13	5MHz	QPSK	23255	25RB#0	-70.67	PASS
Band13	5MHz	16QAM	23255	25RB#0	-68.29	PASS
Band13	10MHz	QPSK	23230	50RB#0	-70.15	PASS
Band13	10MHz	16QAM	23230	50RB#0	-67.94	PASS

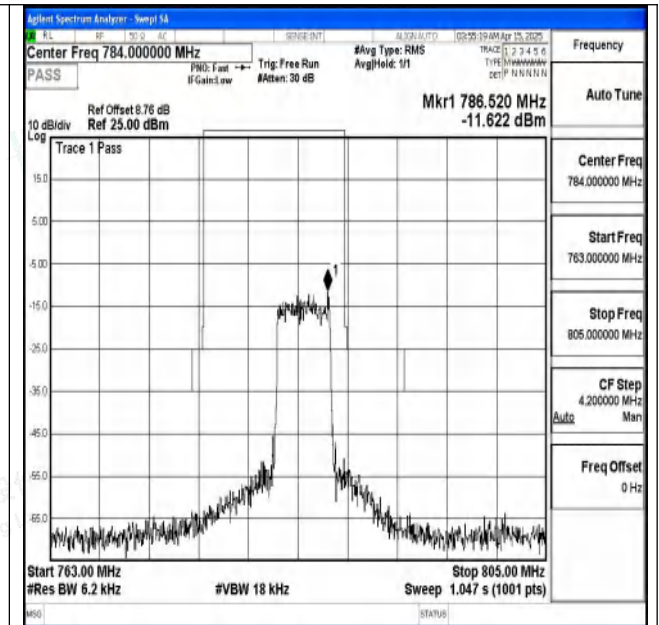
Test Graphs



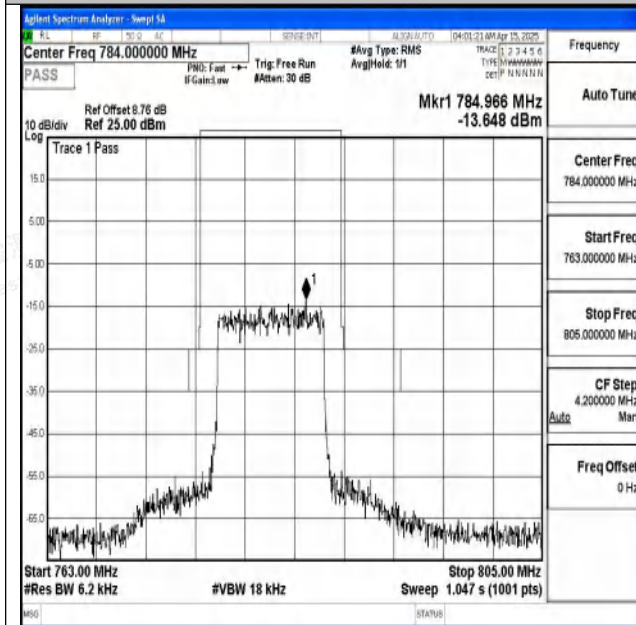
Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street,
Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



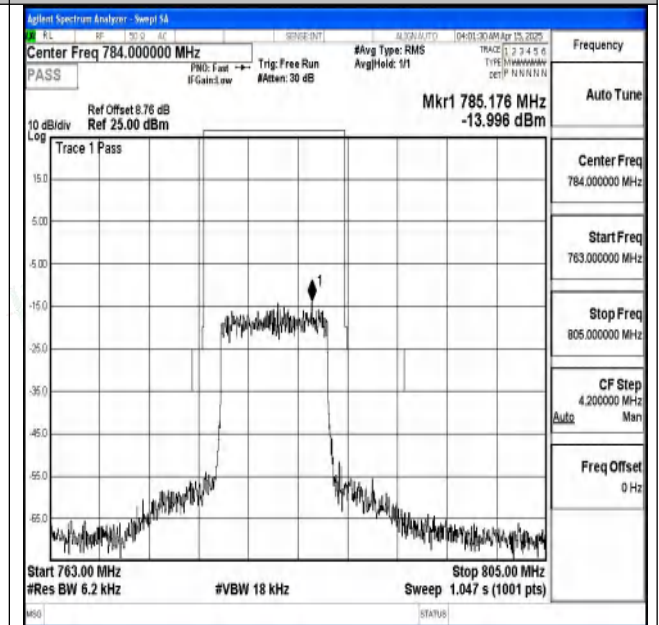
Band13-5MHz-QPSK-23255-25RB#0-PASS



Band13-5MHz-16QAM-23255-25RB#0-PASS



Band13-10MHz-QPSK-23230-50RB#0-PASS



Band13-10MHz-16QAM-23230-50RB#0-PASS





G.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	0.009~0.15	-50.39	PASS
Band13	5MHz	QPSK	23205	1RB#0	0.15~30	-55.31	PASS
Band13	5MHz	QPSK	23205	1RB#0	30~1000	-51.09	PASS
Band13	5MHz	QPSK	23205	1RB#0	1000~3000	-36.35	PASS
Band13	5MHz	QPSK	23205	1RB#0	3000~10000	-37.72	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.009~0.15	-49.99	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.15~30	-52.39	PASS
Band13	5MHz	16QAM	23205	1RB#0	30~1000	-51.30	PASS
Band13	5MHz	16QAM	23205	1RB#0	1000~3000	-35.39	PASS
Band13	5MHz	16QAM	23205	1RB#0	3000~10000	-37.66	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.009~0.15	-52.33	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.15~30	-55.46	PASS
Band13	5MHz	QPSK	23230	1RB#0	30~1000	-51.70	PASS
Band13	5MHz	QPSK	23230	1RB#0	1000~3000	-36.23	PASS
Band13	5MHz	QPSK	23230	1RB#0	3000~10000	-37.43	PASS
Band13	5MHz	16QAM	23230	1RB#0	0.009~0.15	-50.11	PASS
Band13	5MHz	16QAM	23230	1RB#0	0.15~30	-55.95	PASS
Band13	5MHz	16QAM	23230	1RB#0	30~1000	-50.86	PASS
Band13	5MHz	16QAM	23230	1RB#0	1000~3000	-35.54	PASS
Band13	5MHz	16QAM	23230	1RB#0	3000~10000	-37.57	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.009~0.15	-53.01	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.15~30	-54.25	PASS
Band13	5MHz	QPSK	23255	1RB#0	30~1000	-51.31	PASS
Band13	5MHz	QPSK	23255	1RB#0	1000~3000	-36.05	PASS
Band13	5MHz	QPSK	23255	1RB#0	3000~10000	-37.77	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.009~0.15	-50.93	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.15~30	-56.33	PASS
Band13	5MHz	16QAM	23255	1RB#0	30~1000	-51.30	PASS
Band13	5MHz	16QAM	23255	1RB#0	1000~3000	-35.57	PASS
Band13	5MHz	16QAM	23255	1RB#0	3000~10000	-38.04	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.009~0.15	-49.62	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.15~30	-53.91	PASS
Band13	10MHz	QPSK	23230	1RB#0	30~1000	-51.74	PASS
Band13	10MHz	QPSK	23230	1RB#0	1000~3000	-36.02	PASS

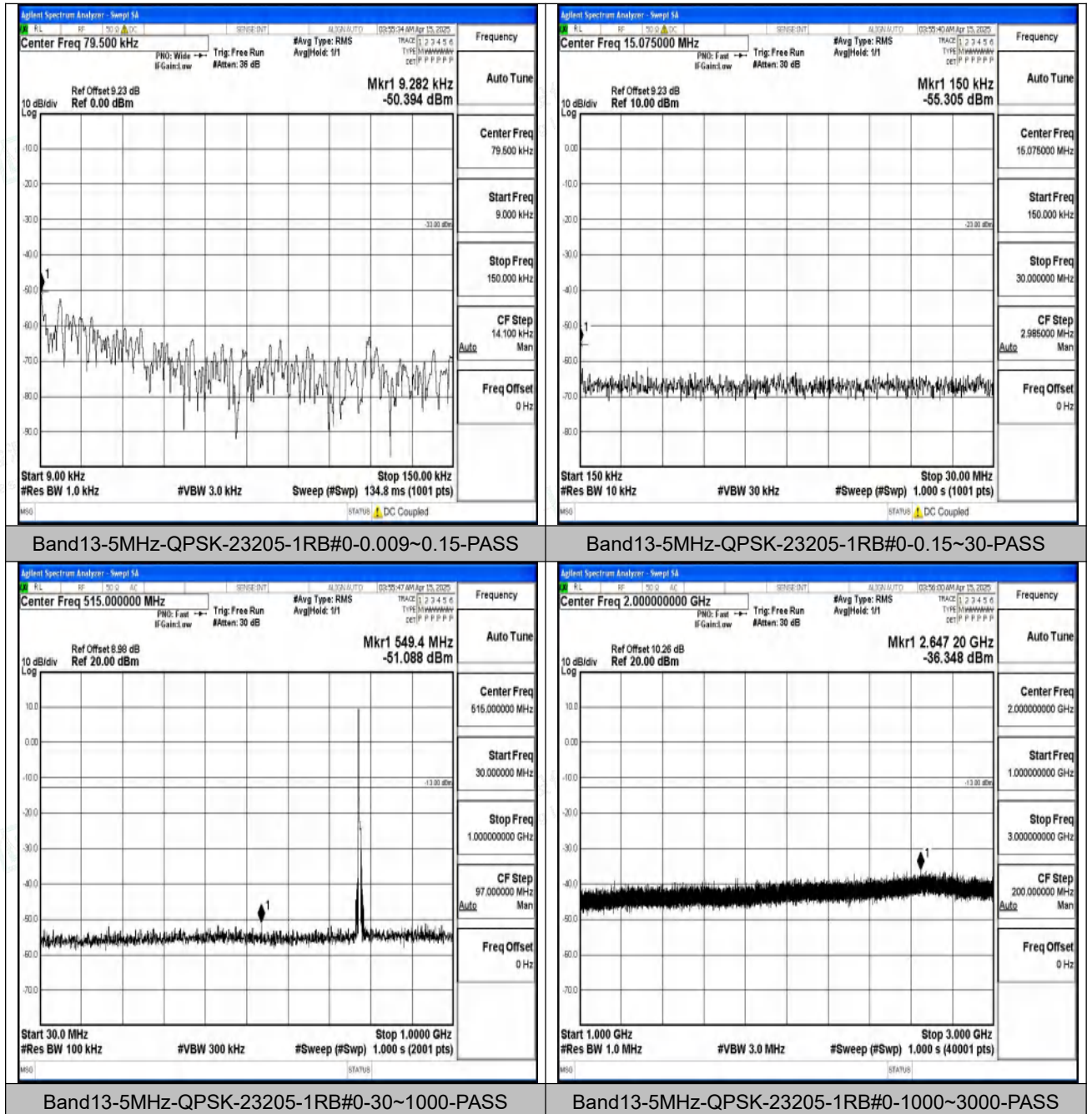


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street,
Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

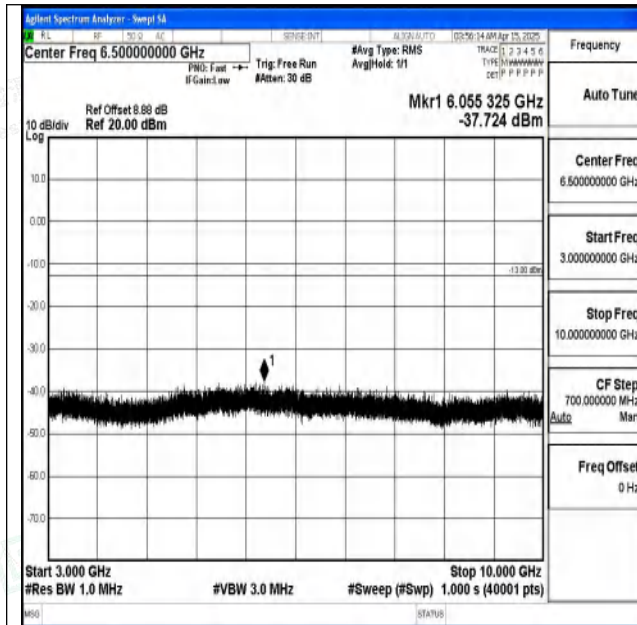


Band13	10MHz	QPSK	23230	1RB#0	3000~10000	-38.01	PASS
Band13	10MHz	16QAM	23230	1RB#0	0.009~0.15	-51.85	PASS
Band13	10MHz	16QAM	23230	1RB#0	0.15~30	-56.12	PASS
Band13	10MHz	16QAM	23230	1RB#0	30~1000	-51.32	PASS
Band13	10MHz	16QAM	23230	1RB#0	1000~3000	-35.75	PASS
Band13	10MHz	16QAM	23230	1RB#0	3000~10000	-37.77	PASS

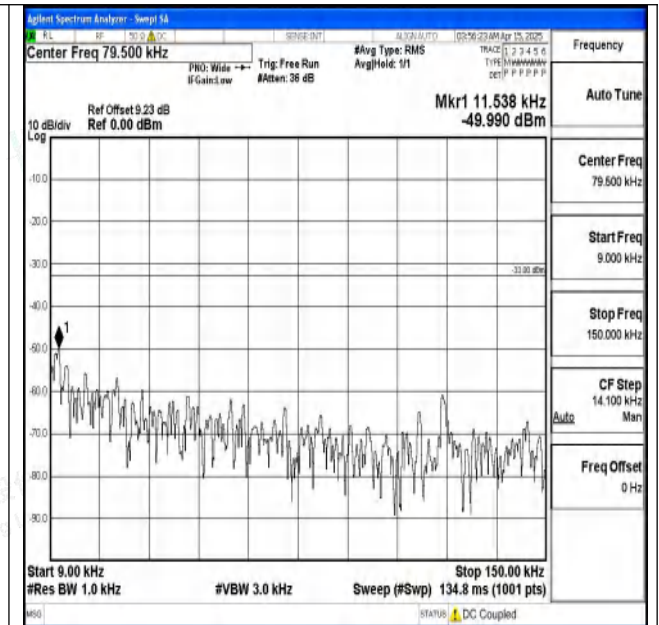
Test Graphs



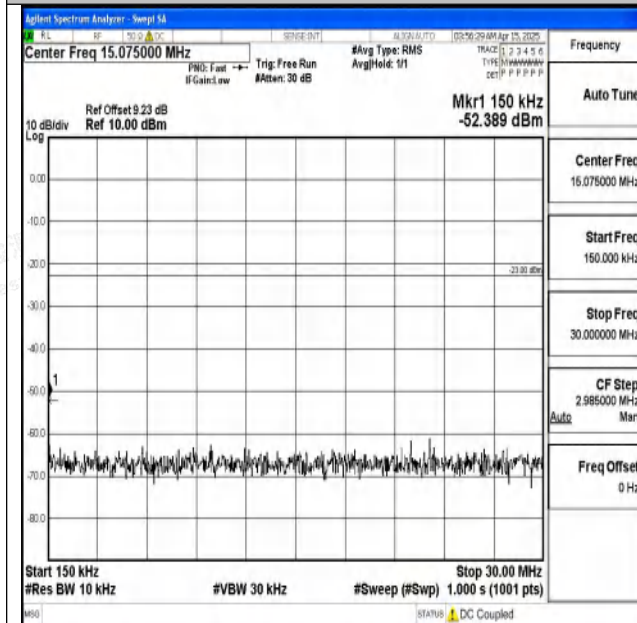
Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street,
Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



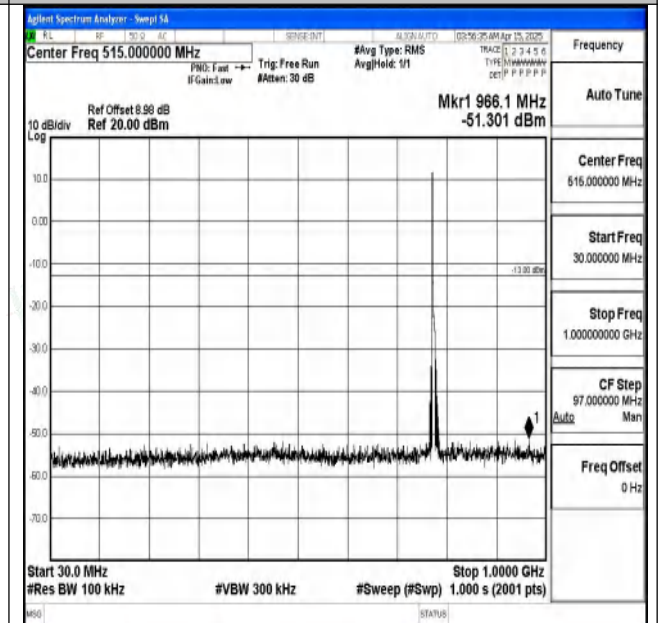
Band13-5MHz-QPSK-23205-1RB#0-3000~10000-PASS



Band13-5MHz-16QAM-23205-1RB#0-0.009~0.15-PASS

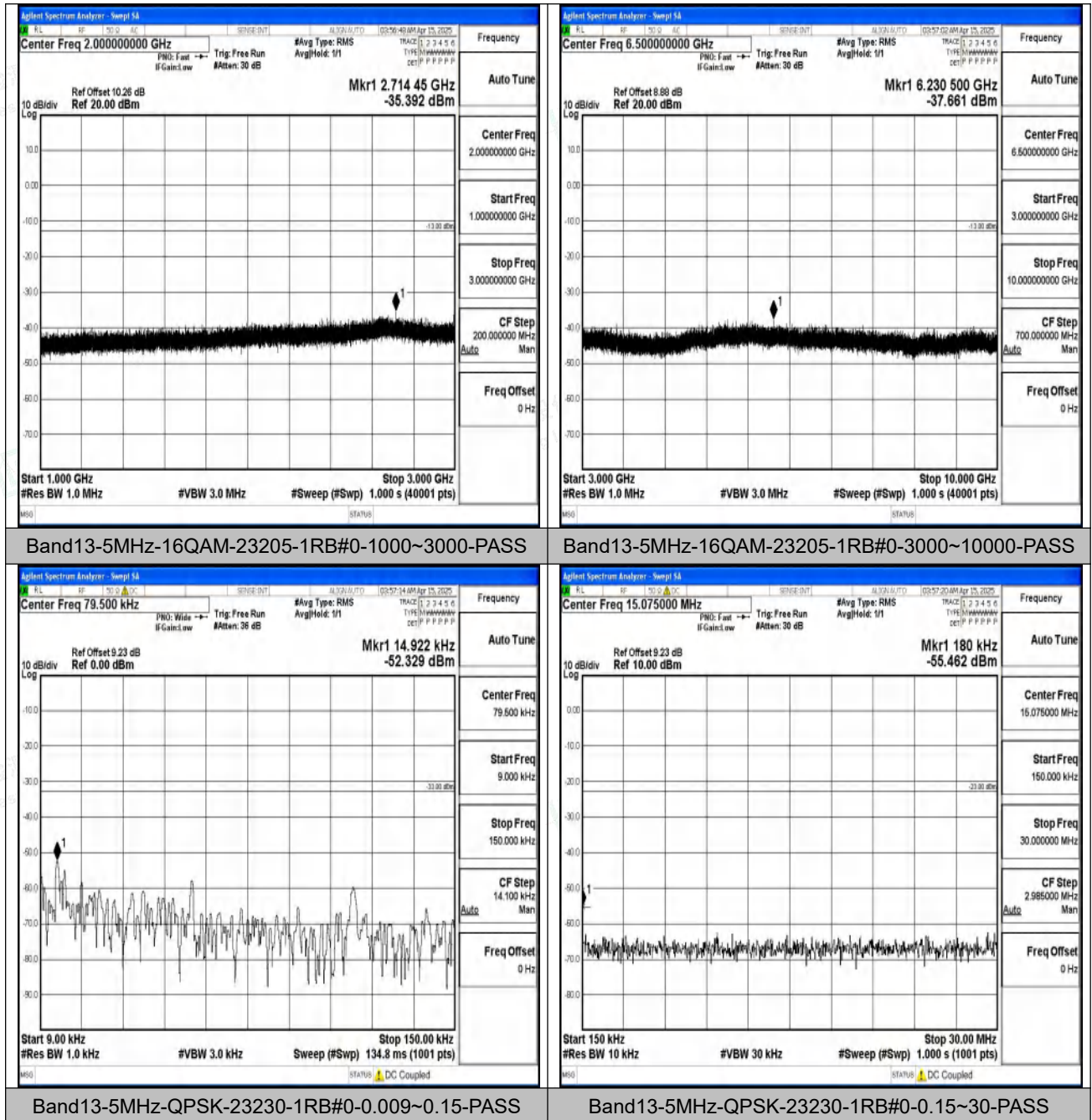


Band13-5MHz-16QAM-23205-1RB#0-0.15~30-PASS

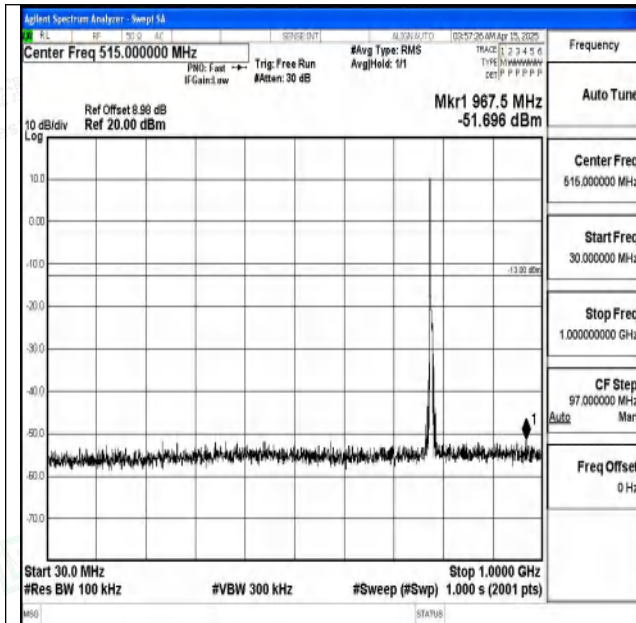


Band13-5MHz-16QAM-23205-1RB#0-30~1000-PASS

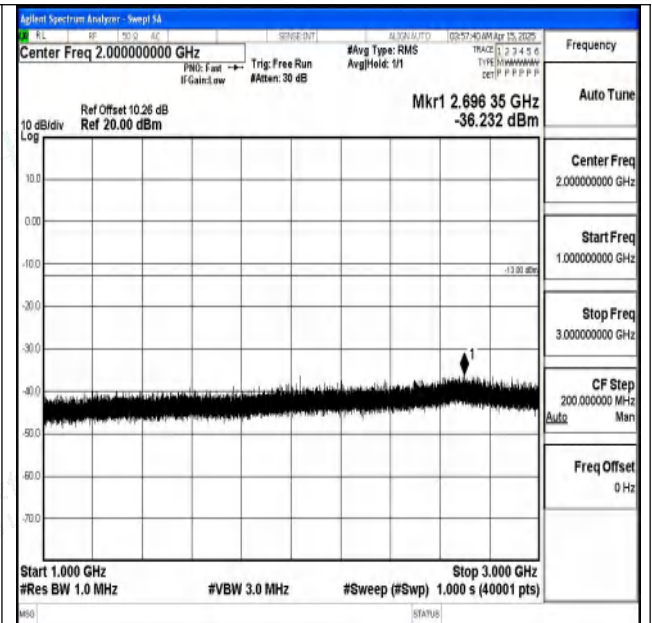




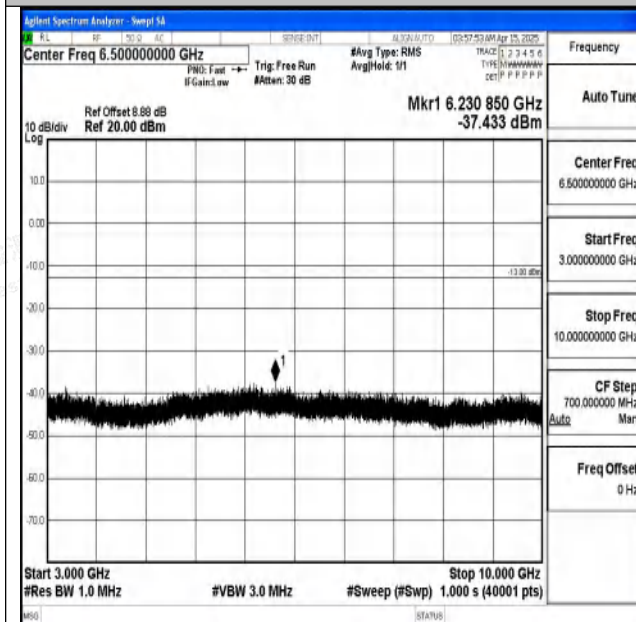
Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street,
Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



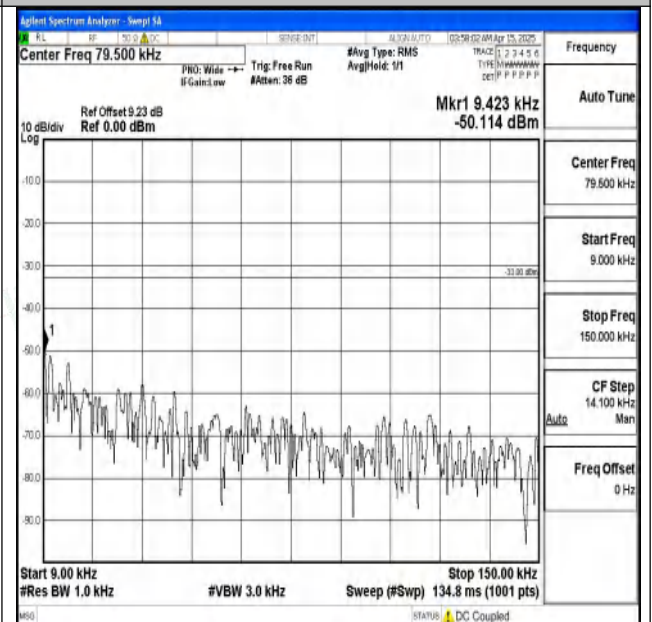
Band13-5MHz-QPSK-23230-1RB#0-30~1000-PASS



Band13-5MHz-QPSK-23230-1RB#0-1000~3000-PASS

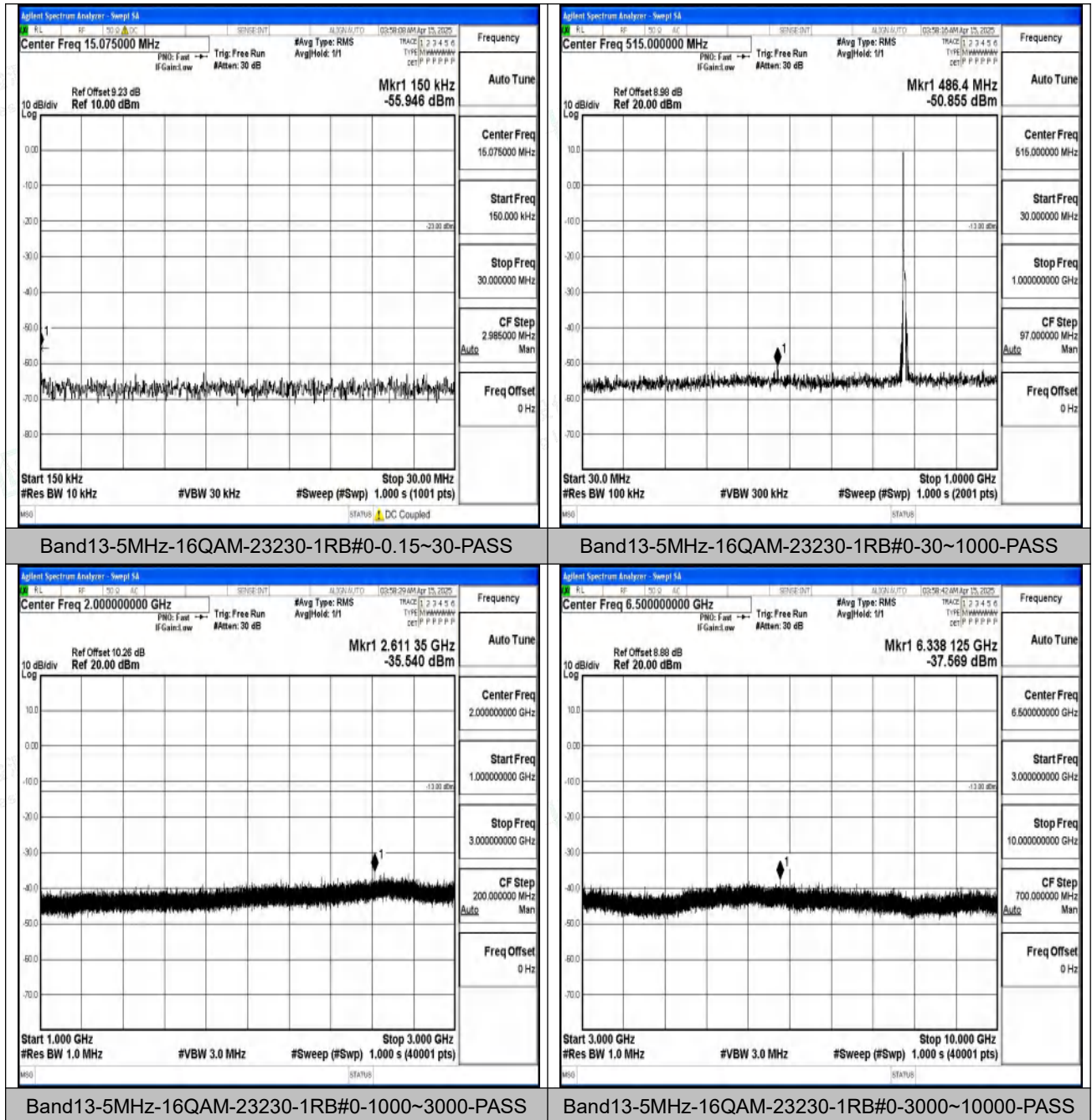


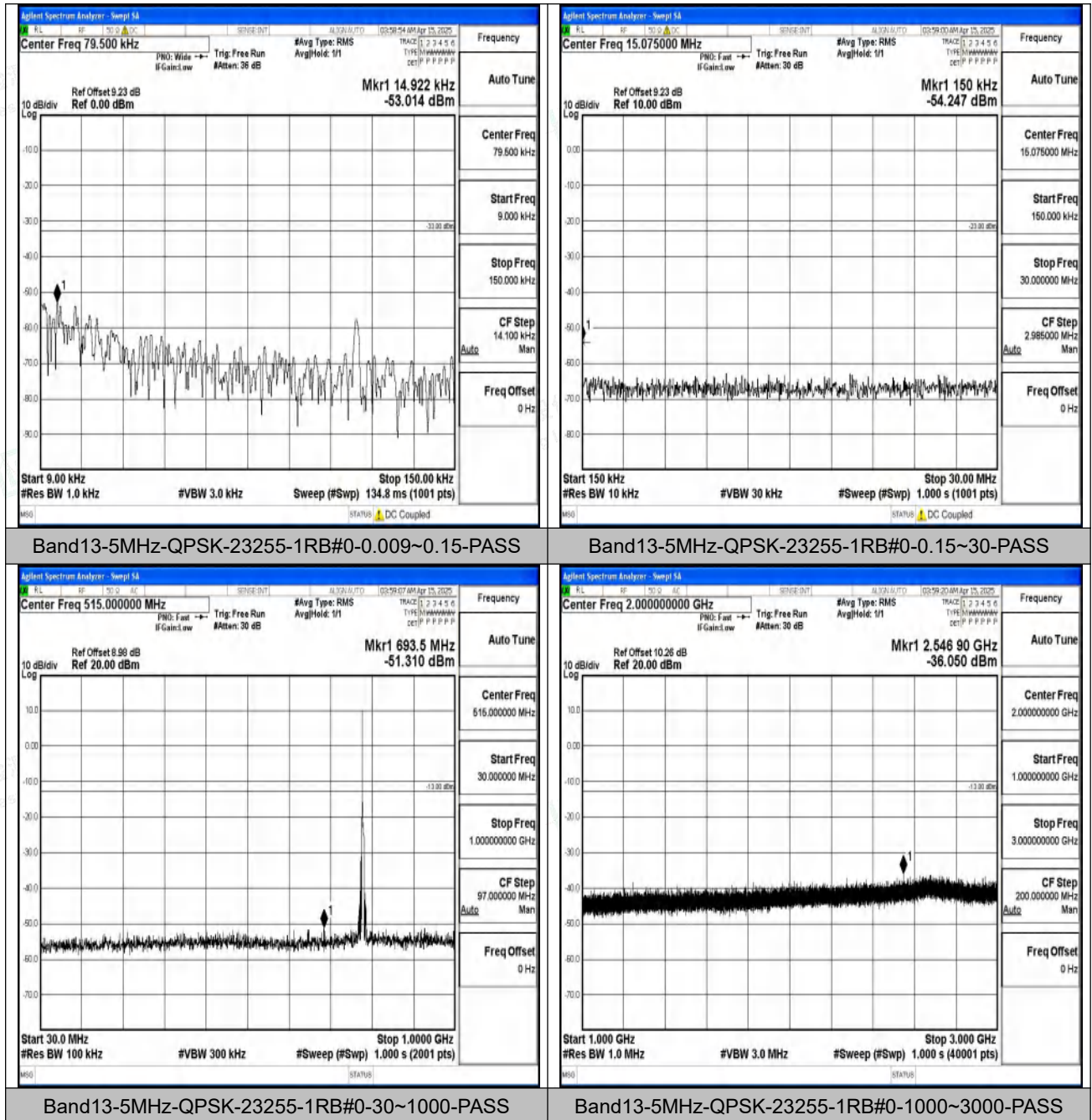
Band13-5MHz-QPSK-23230-1RB#0-3000~10000-PASS



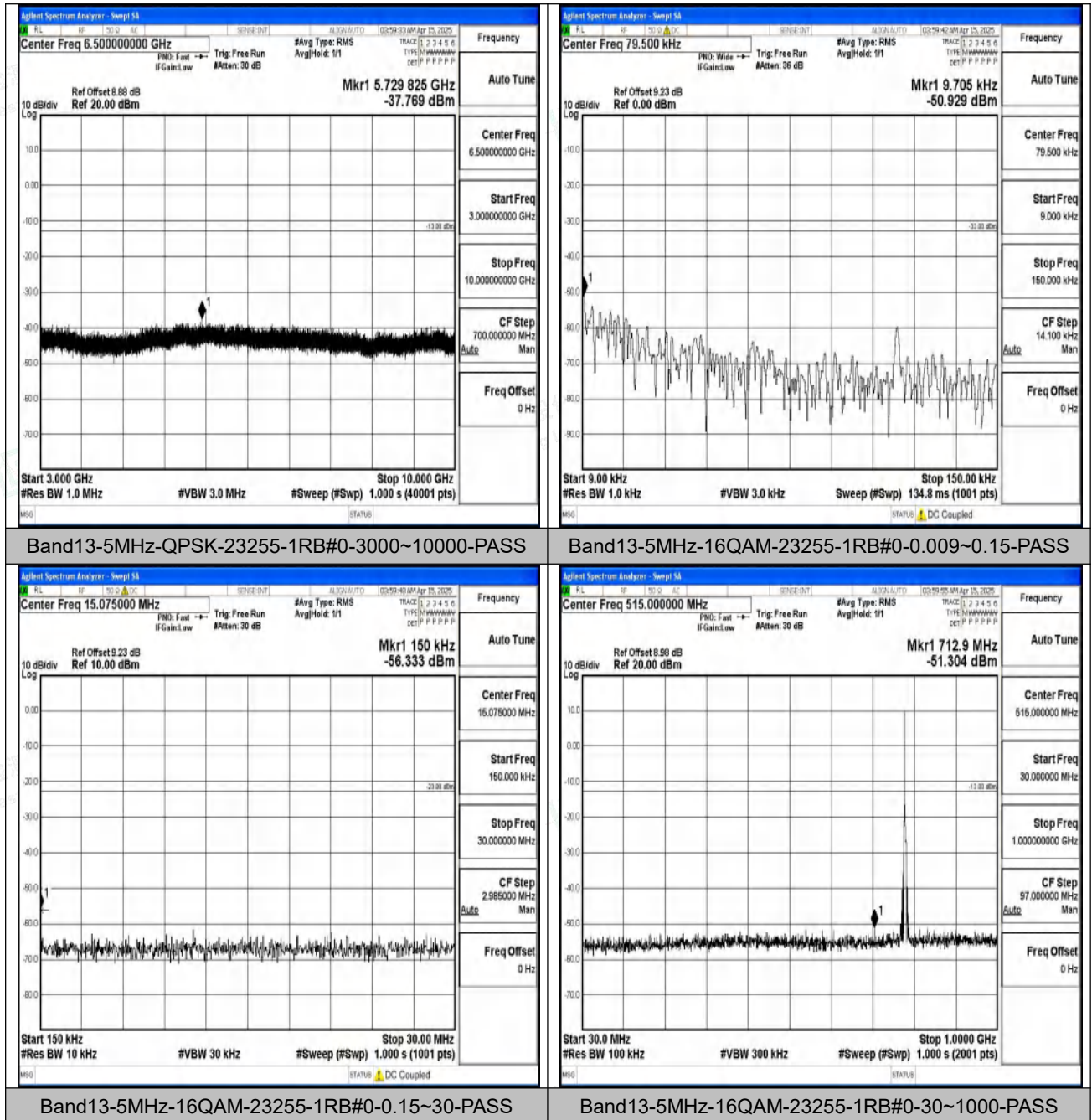
Band13-5MHz-16QAM-23230-1RB#0-0.009~0.15-PASS



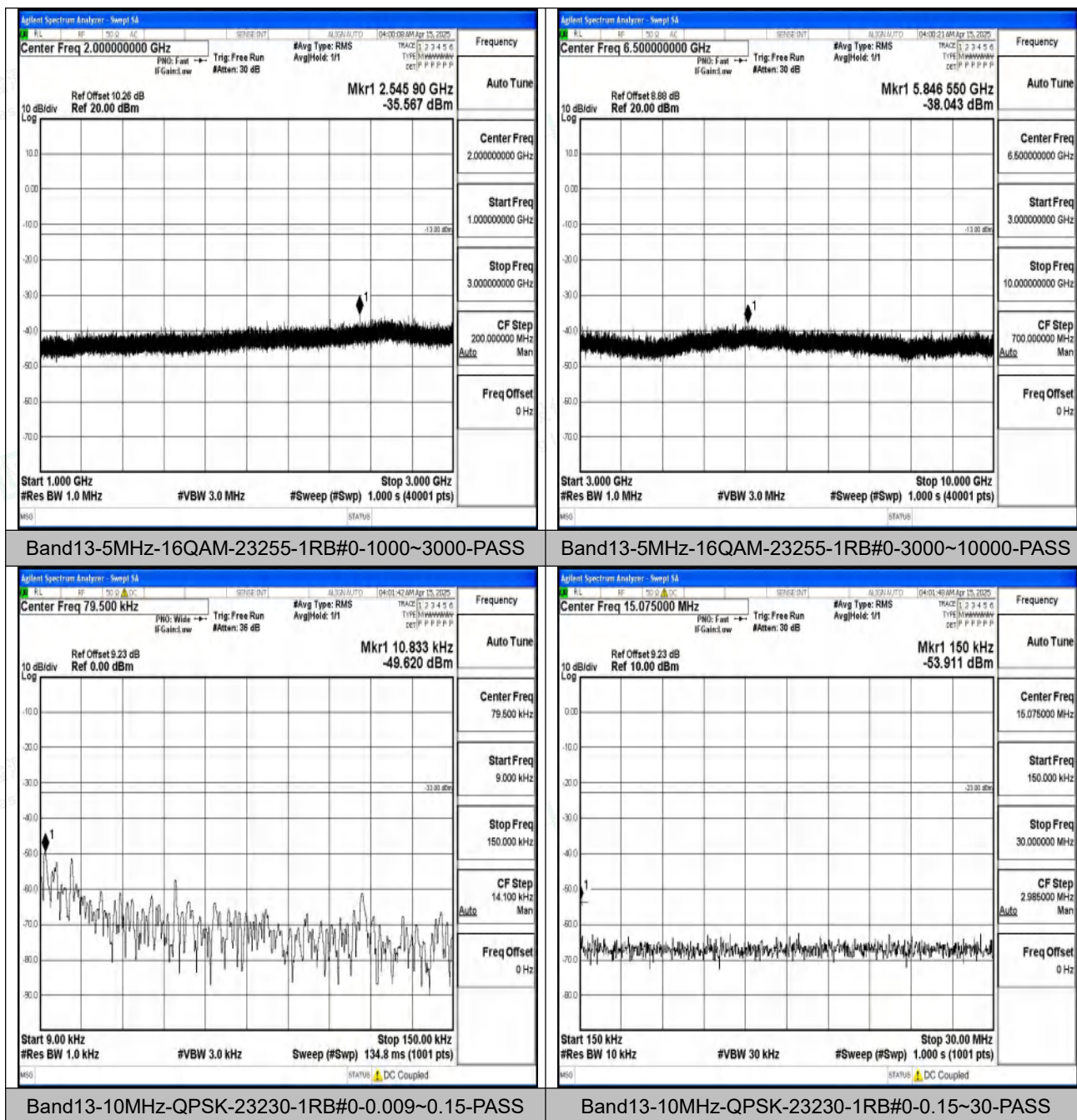




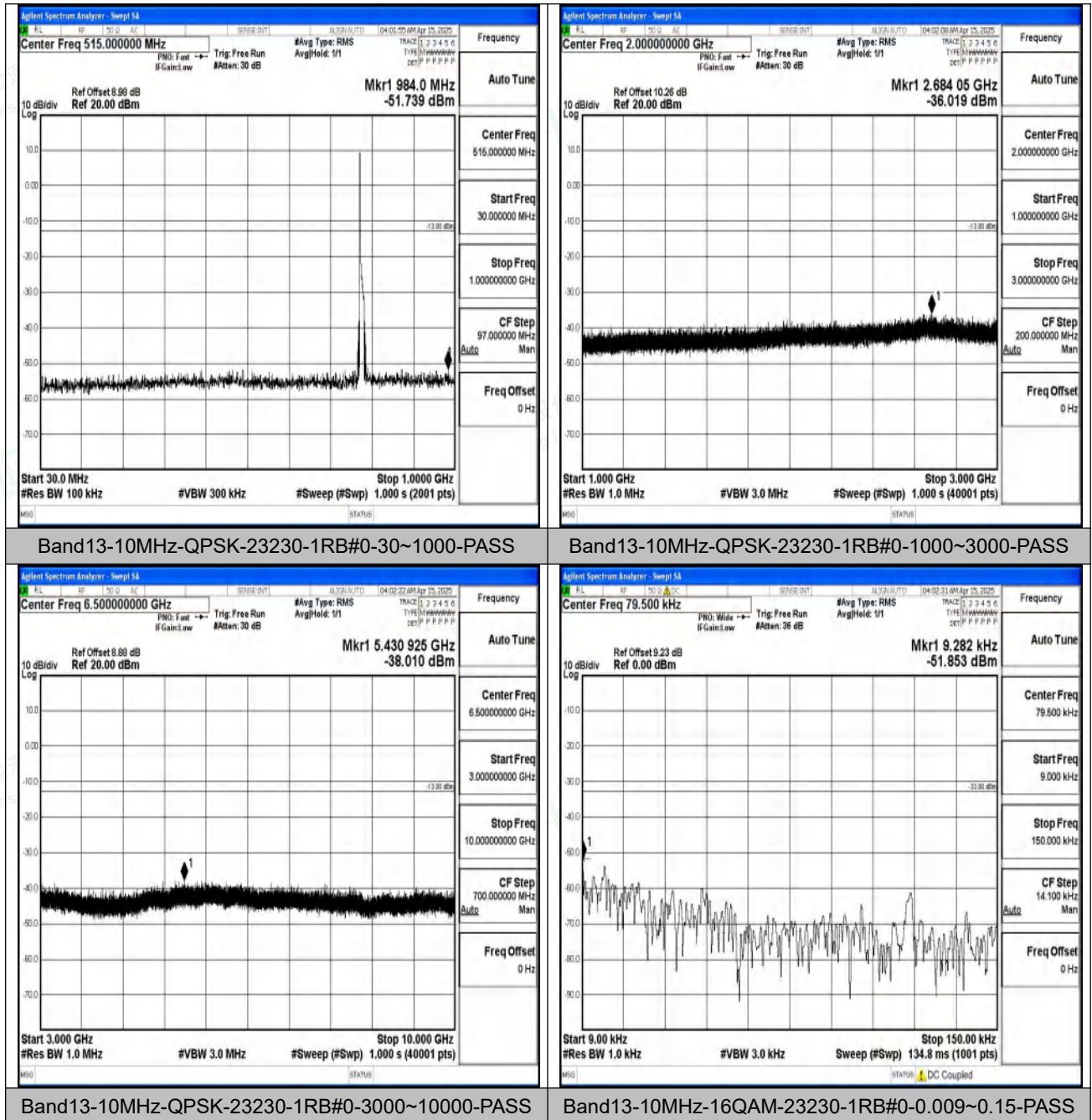
Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street,
Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



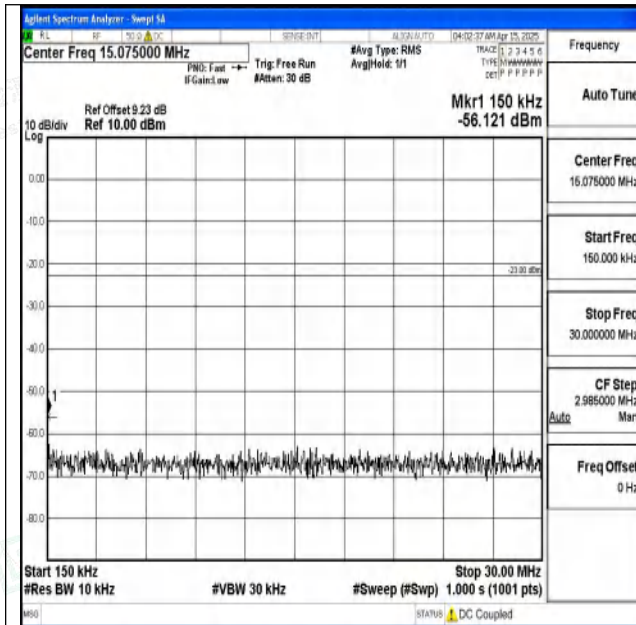
Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street,
Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



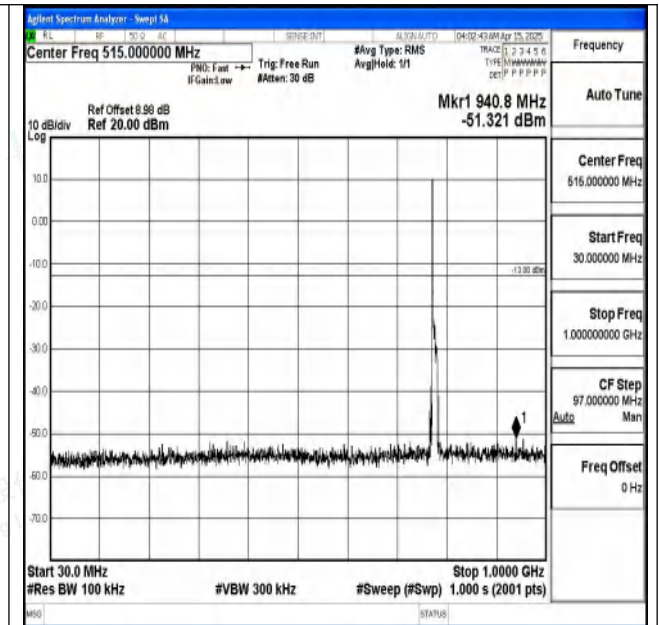
Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street,
Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



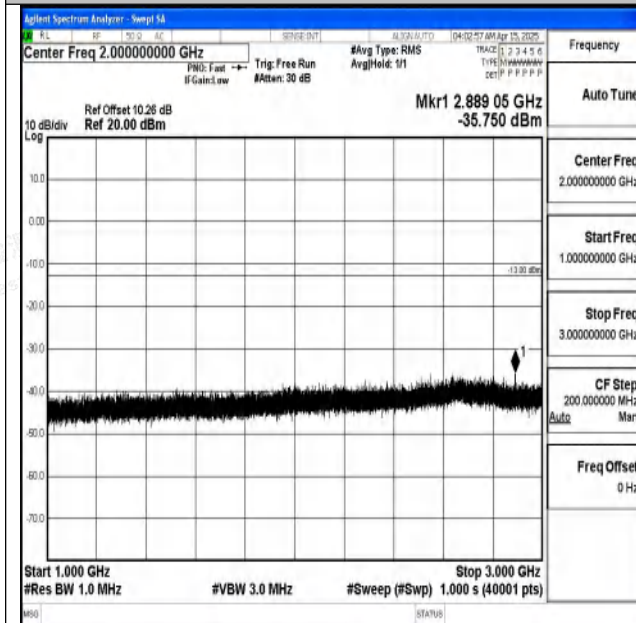
Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street,
Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



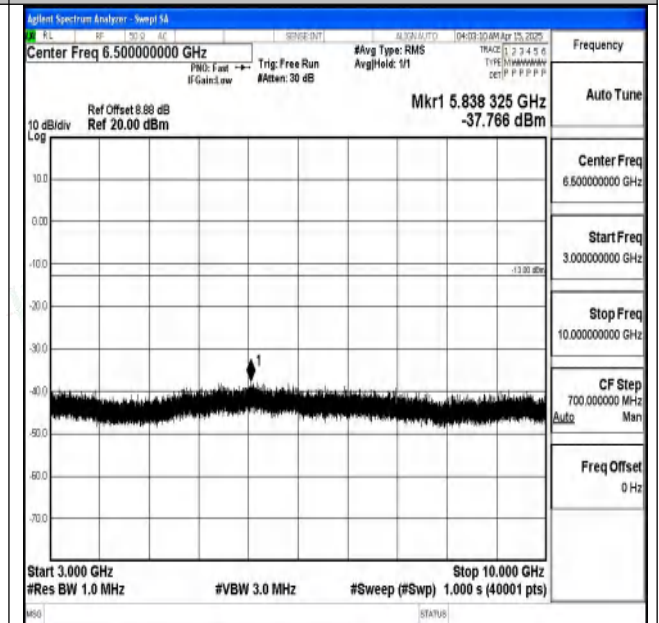
Band13-10MHz-16QAM-23230-1RB#0-0.15~30-PASS



Band13-10MHz-16QAM-23230-1RB#0-30~1000-PASS



Band13-10MHz-16QAM-23230-1RB#0-1000~3000-PASS



Band13-10MHz-16QAM-23230-1RB#0-3000~10000-PAS

S

