



Appendix B

RF Test Data for 2.4G (Conducted Measurement)

Product Name: Wireless mouse

Test Model: AJ52PRO

Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	<i>Taylor Hu</i> Taylor Hu
Supervised by:	<i>Li Huan</i> Li Huan





B.1 -20dB Bandwidth

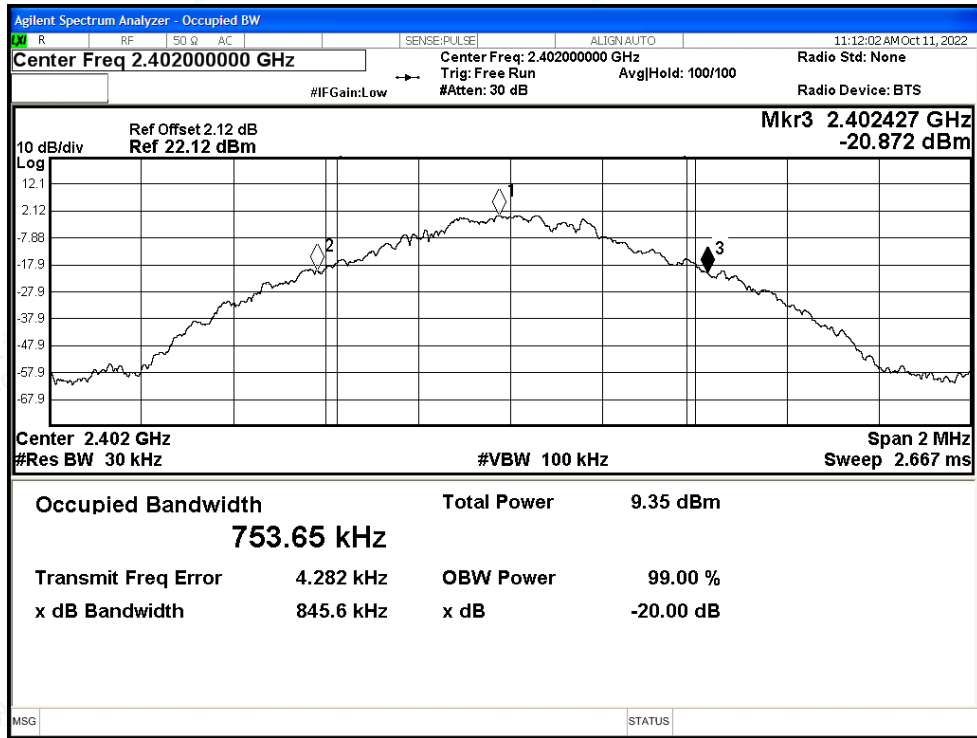
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	2.4G	2402	Ant1	0.846	N/A	Pass
NVNT	2.4G	2441	Ant1	0.807	N/A	Pass
NVNT	2.4G	2480	Ant1	0.83	N/A	Pass



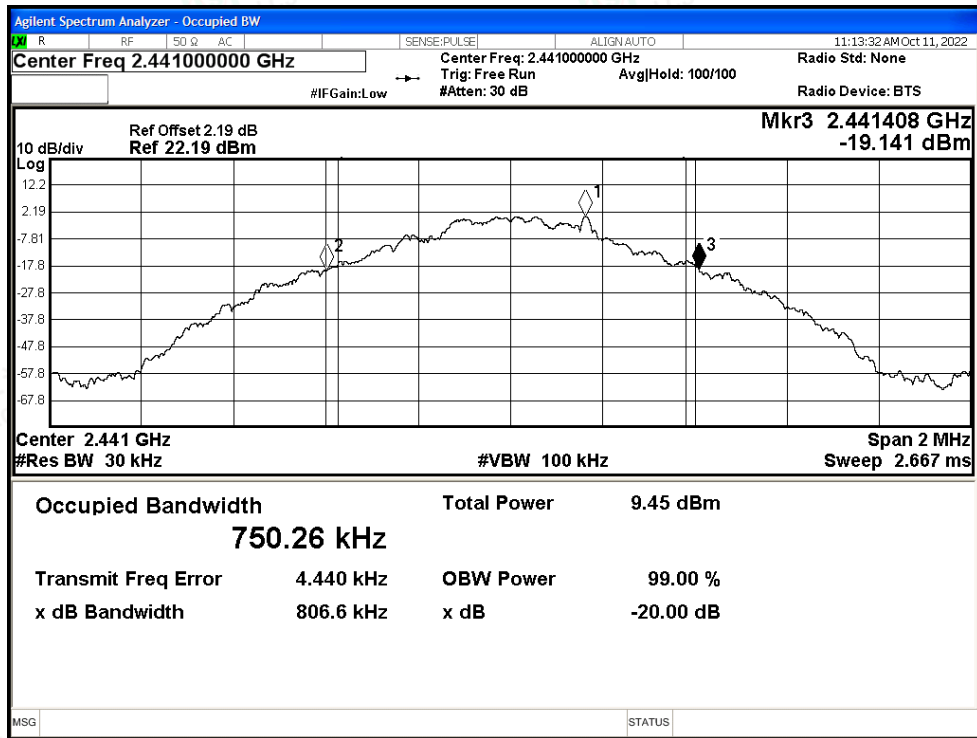


Test Graphs

-20dB Bandwidth NVNT 2.4G 2402MHz Ant1



-20dB Bandwidth NVNT 2.4G 2441MHz Ant1

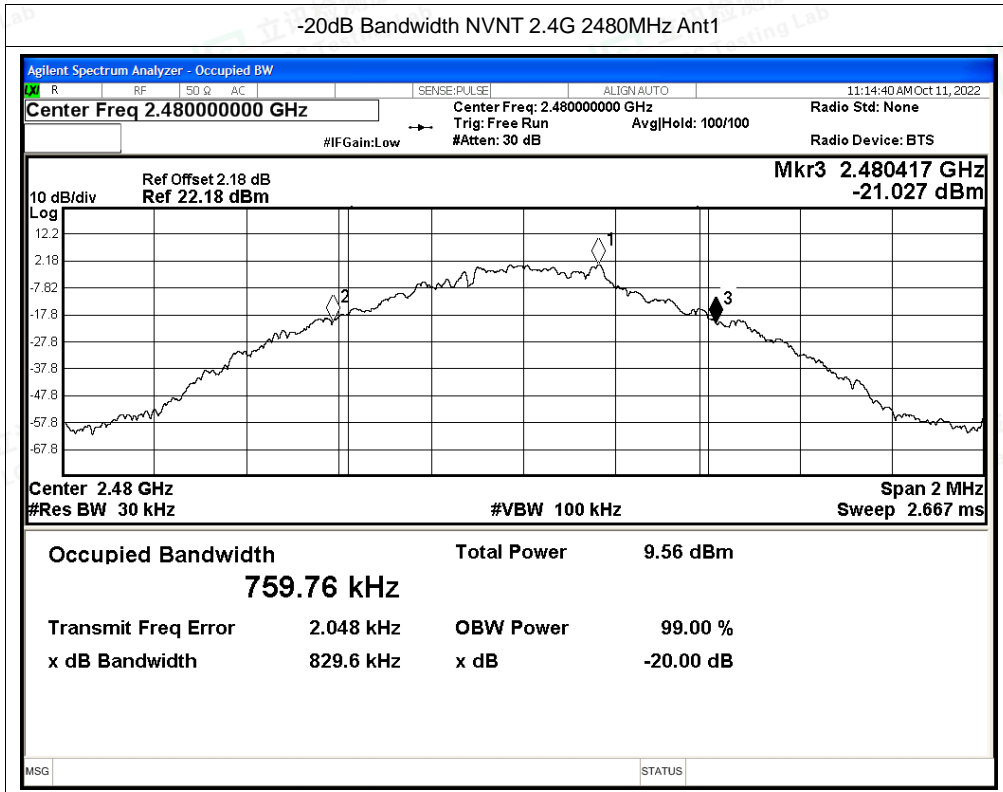


Shenzhen LCS Compliance Testing Laboratory Ltd.

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





B.2 Maximum Conducted Output Power

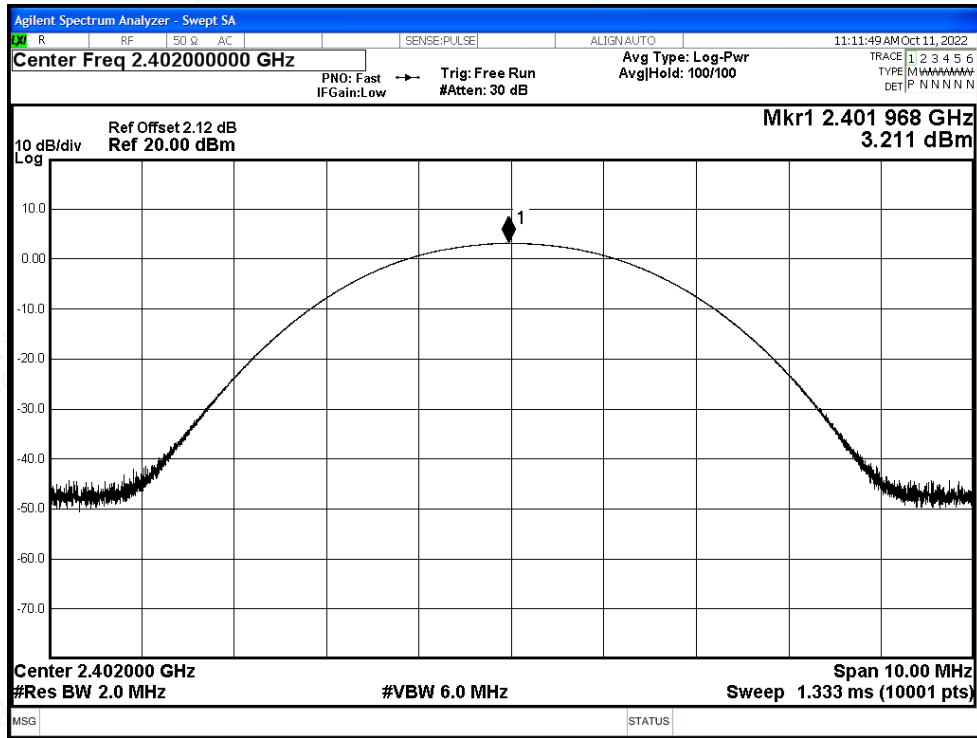
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	2.4G	2402	Ant1	3.21	21	Pass
NVNT	2.4G	2441	Ant1	3.17	21	Pass
NVNT	2.4G	2480	Ant1	3.59	21	Pass



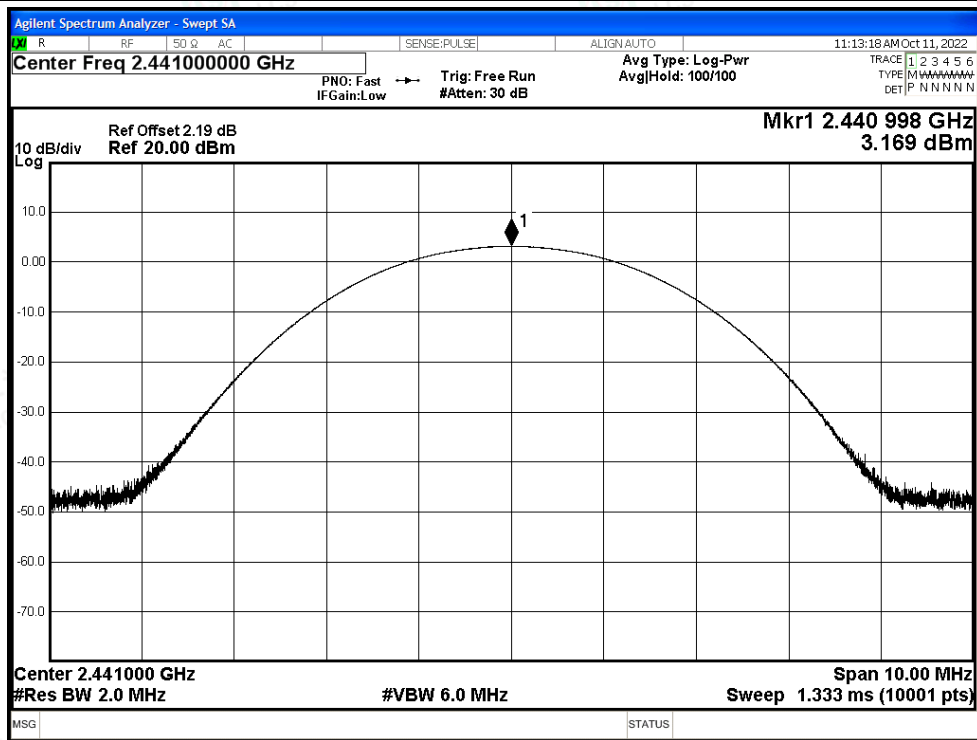


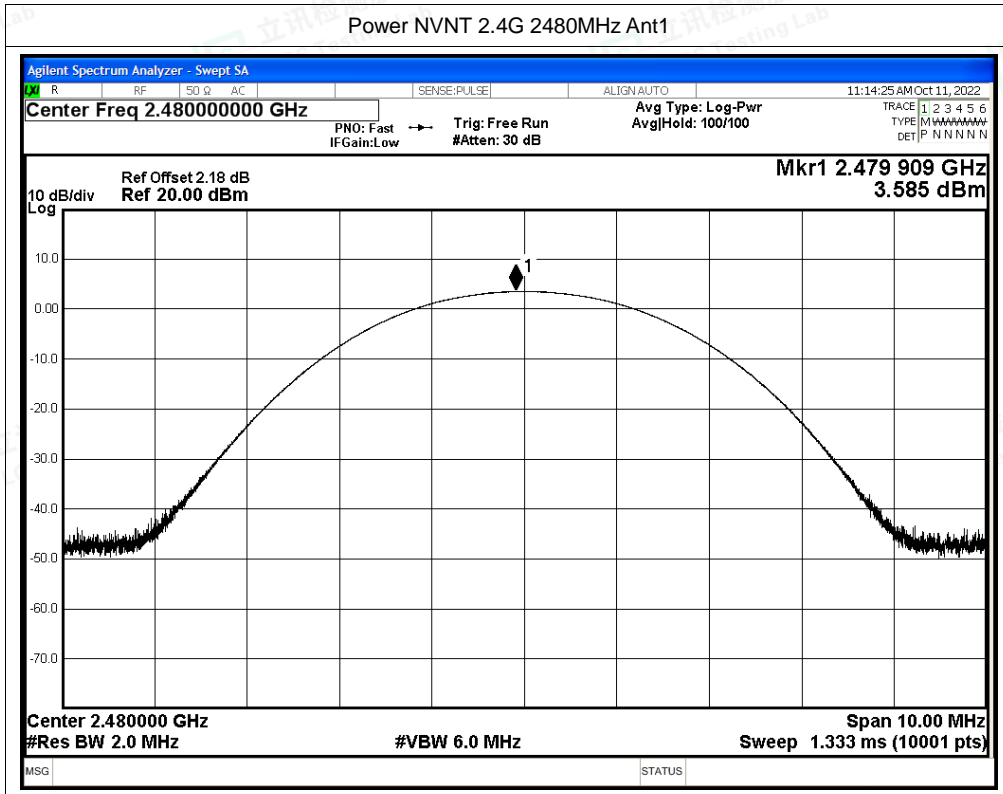
Test Graphs

Power NVNT 2.4G 2402MHz Ant1



Power NVNT 2.4G 2441MHz Ant1







B.3 Carrier Frequencies Separation

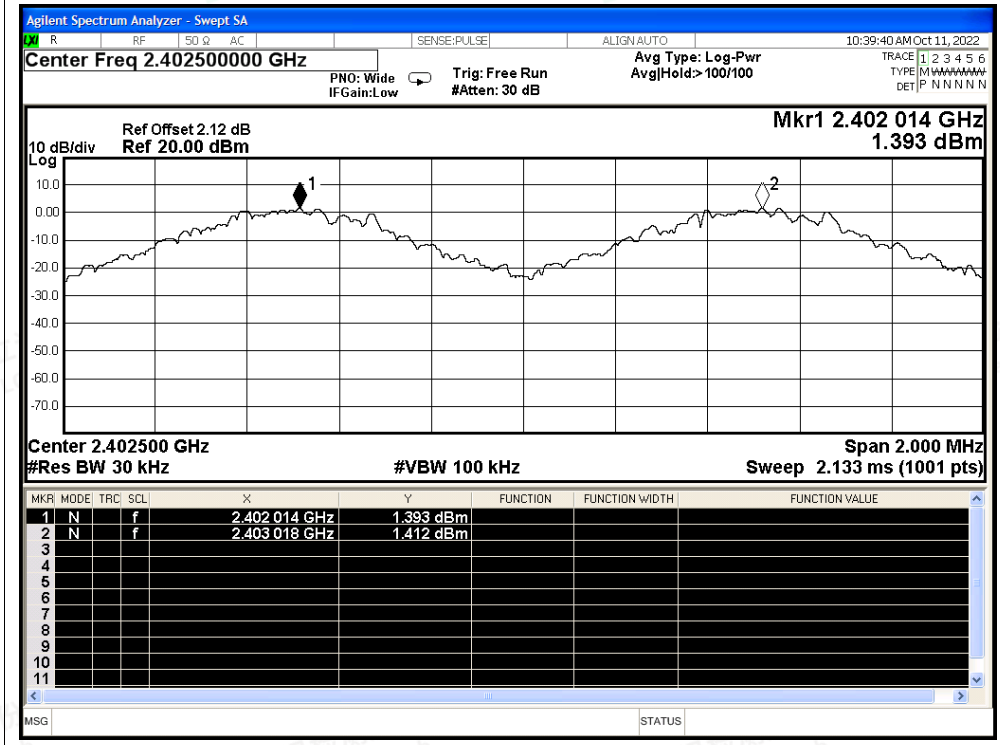
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	2.4G	Ant1	2402.014	2403.018	1.004	0.025	Pass





Test Graphs

CFS NVNT 2.4G 2402MHz Ant1





B.4 Dwell Time

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	2.4G	2402	Ant1	2.882	311.256	108	31600	400	Pass

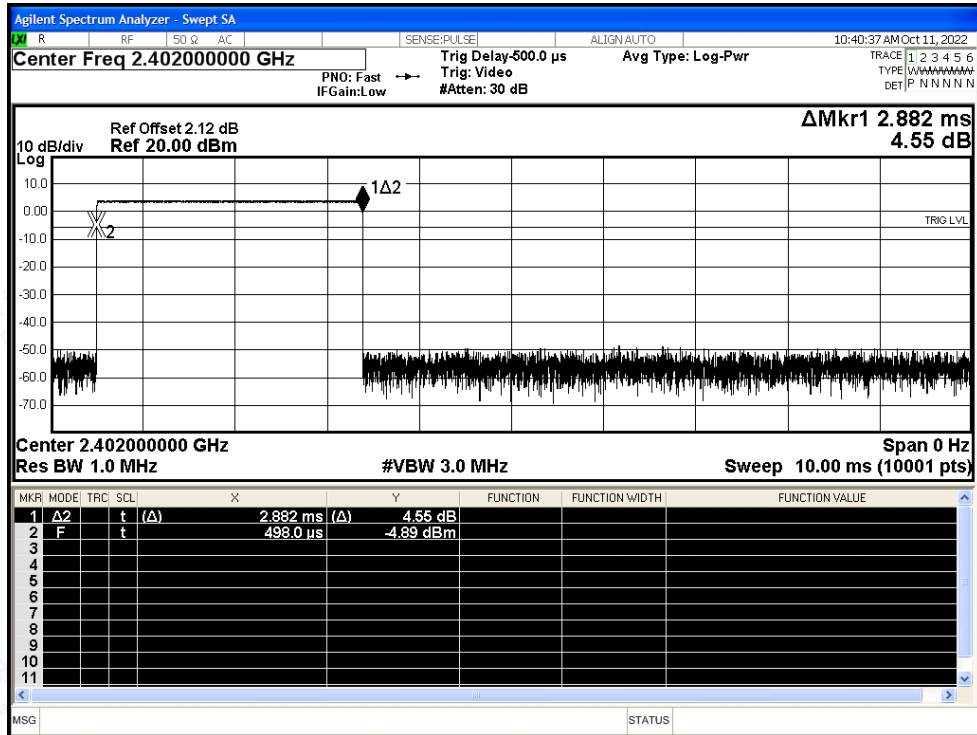


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

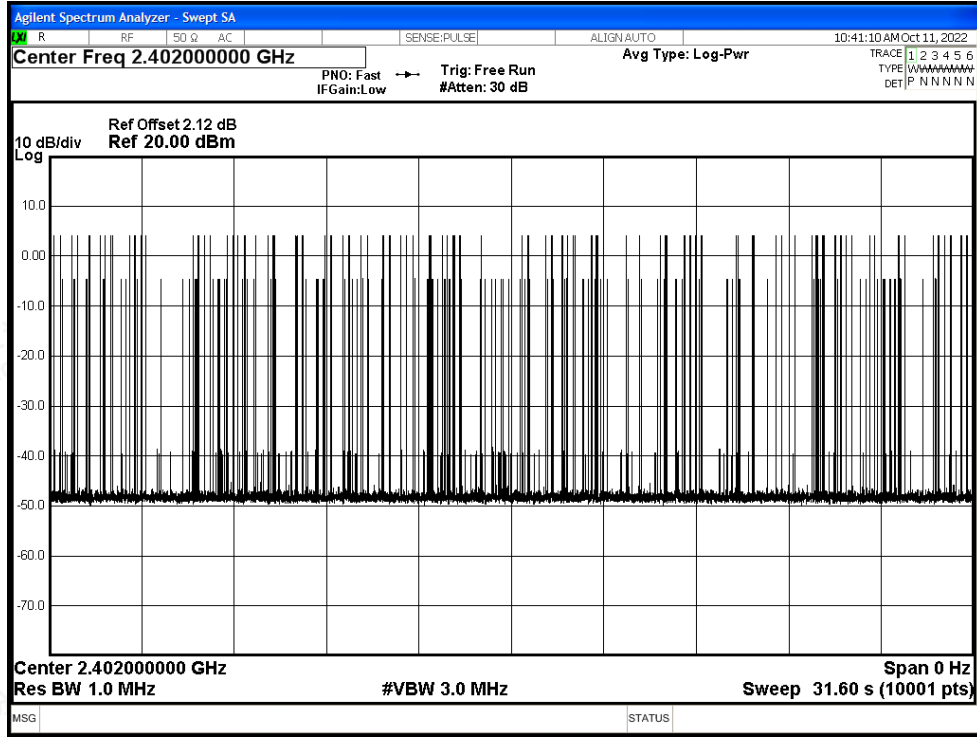


Test Graphs

Dwell NVNT 2.4G 2402MHz Ant1 One Burst



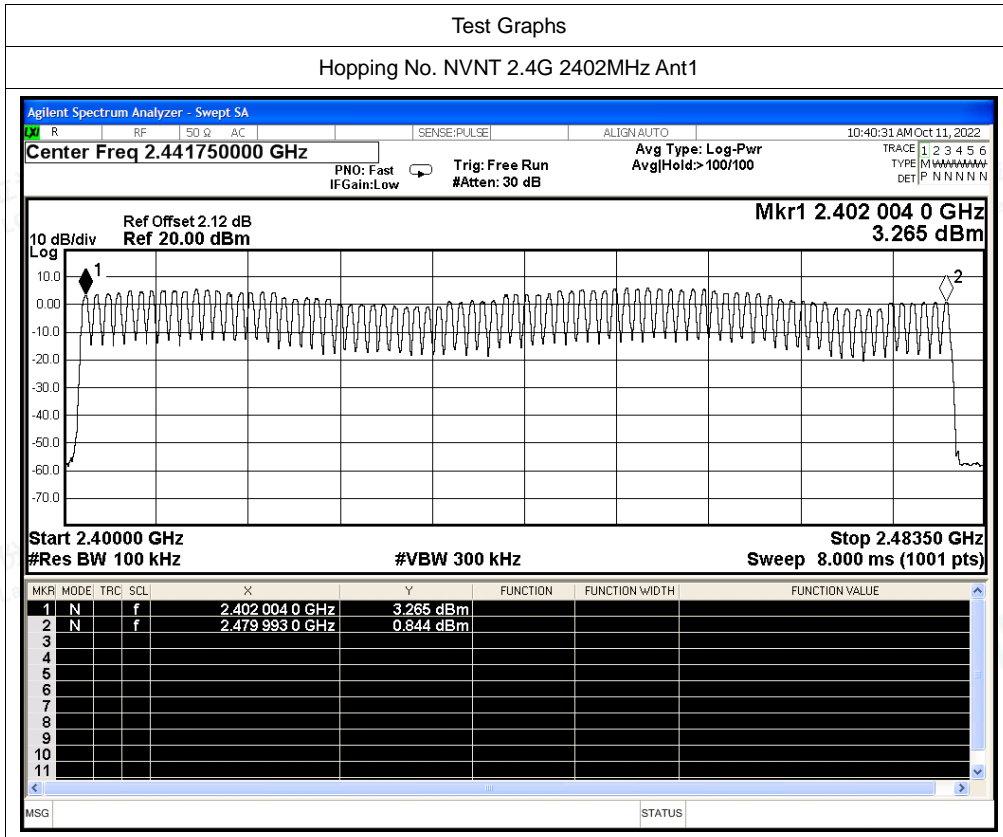
Dwell NVNT 2.4G 2402MHz Ant1 Accumulated





B.5 Number of Hopping Channel

Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	2.4G	Ant1	79	15	Pass





B.6 Band Edge

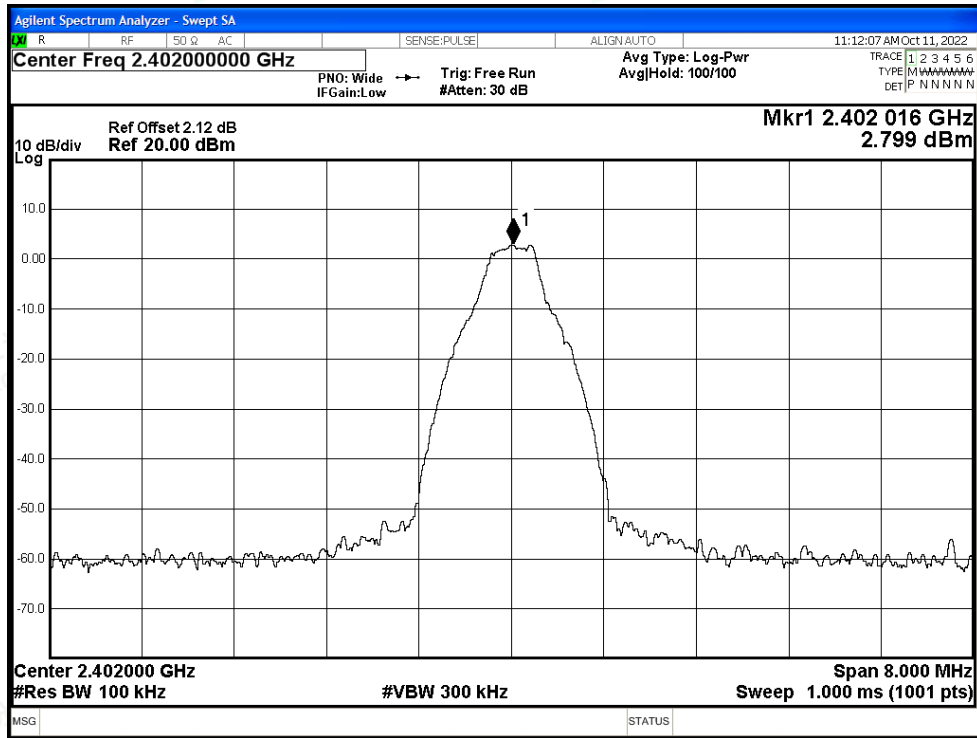
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	2.4G	2402	Ant1	No-Hopping	-59.77	-20	Pass
NVNT	2.4G	2480	Ant1	No-Hopping	-59.87	-20	Pass



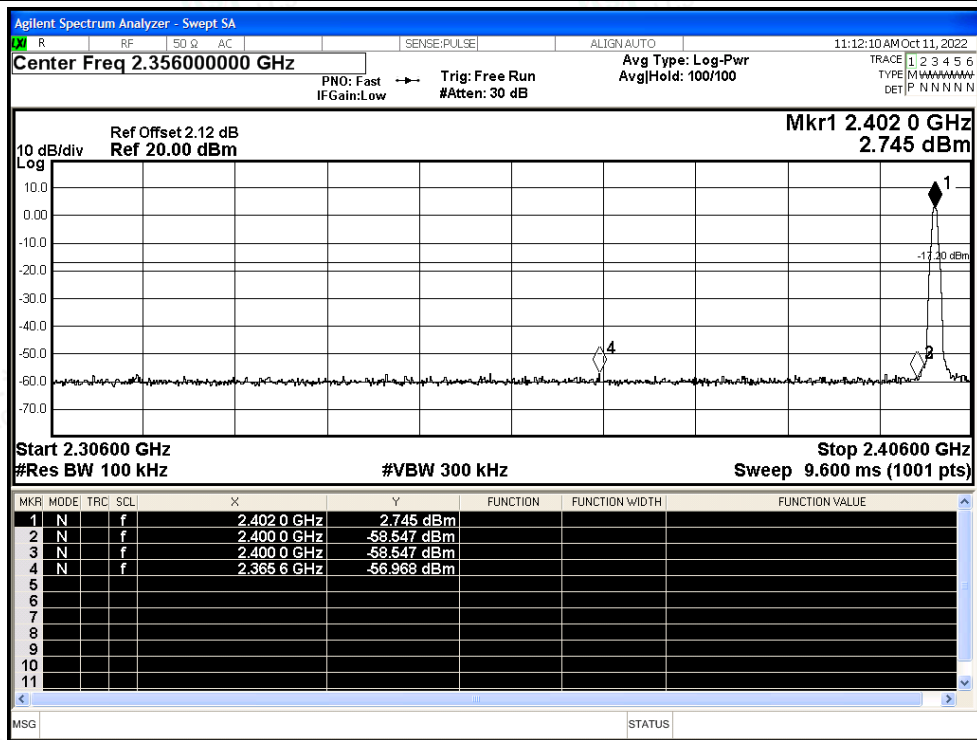


Test Graphs

Band Edge NVNT 2.4G 2402MHz Ant1 No-Hopping Ref



Band Edge NVNT 2.4G 2402MHz Ant1 No-Hopping Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

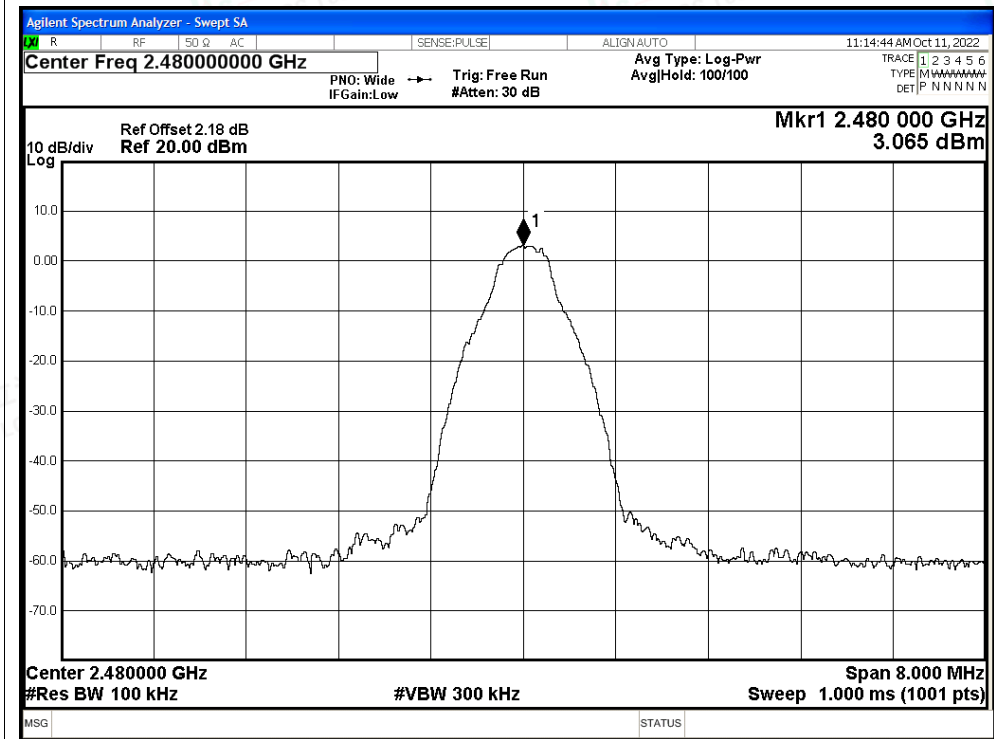
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

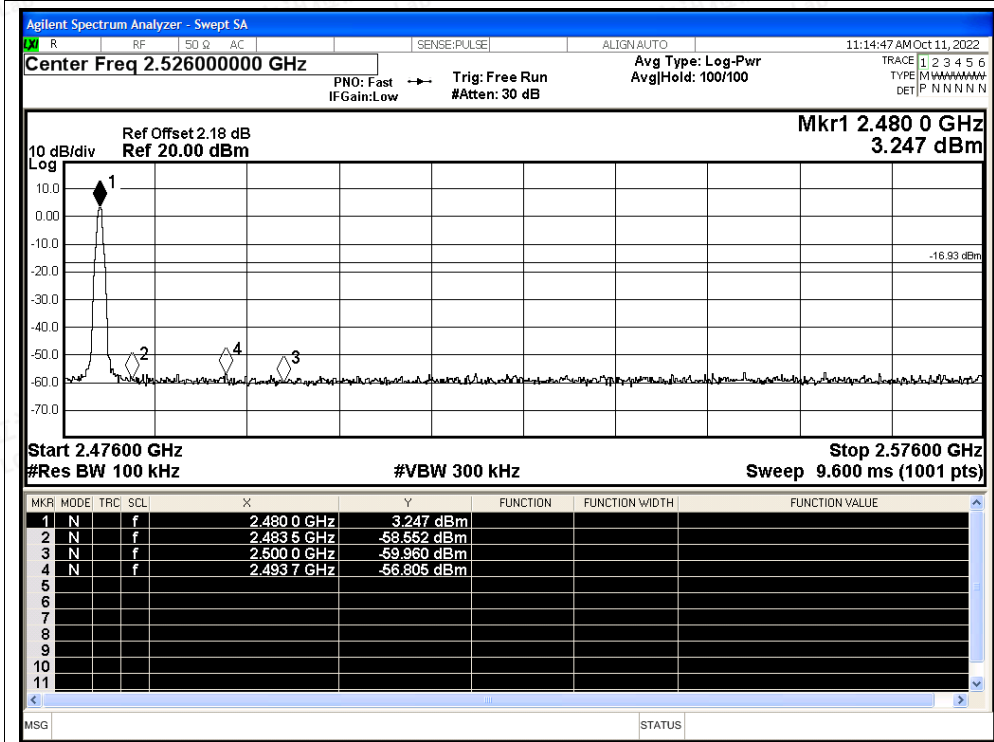
Scan code to check authenticity



Band Edge NVNT 2.4G 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 2.4G 2480MHz Ant1 No-Hopping Emission



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



(Hopping)

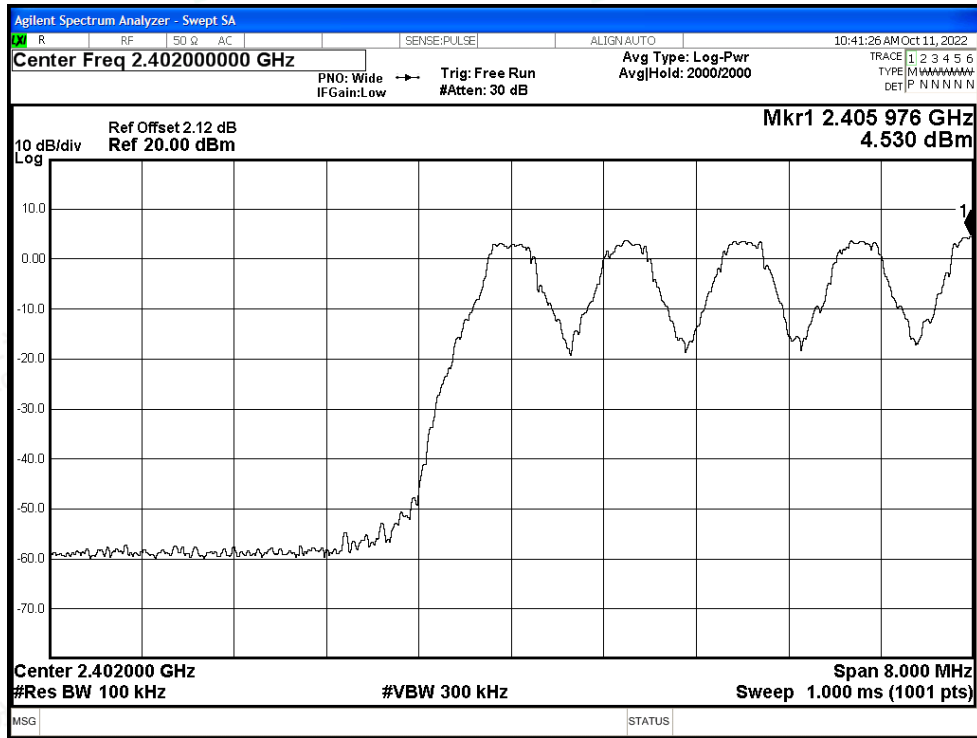
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	2.4G	2402	Ant1	Hopping	-60.47	-20	Pass
NVNT	2.4G	2480	Ant1	Hopping	-57.07	-20	Pass



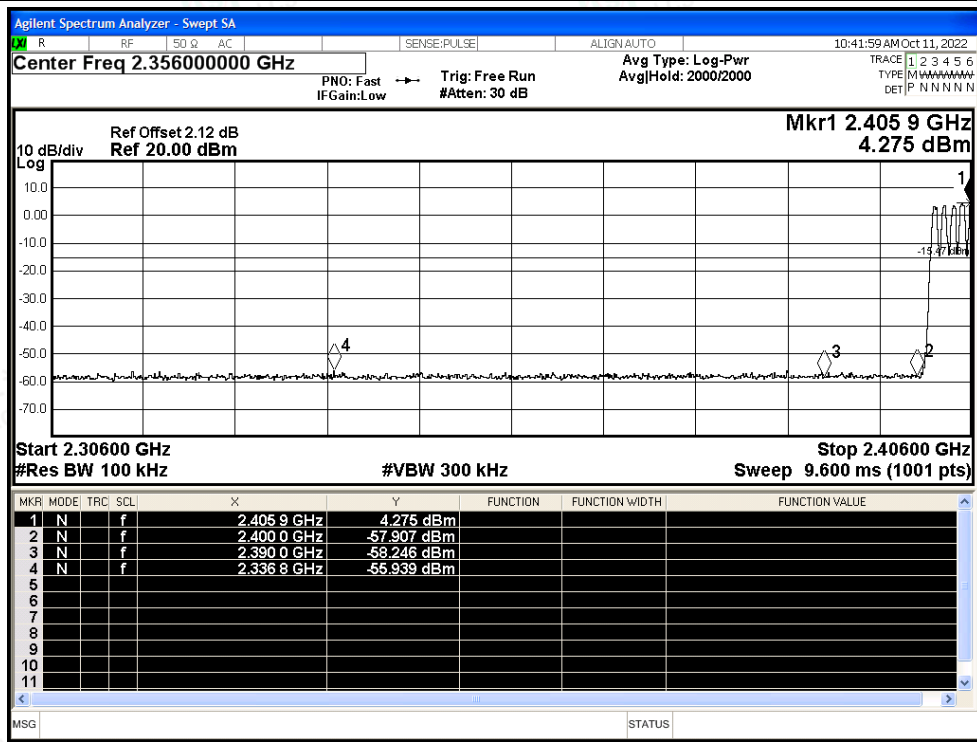


Test Graphs

Band Edge(Hopping) NVNT 2.4G 2402MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 2.4G 2402MHz Ant1 Hopping Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

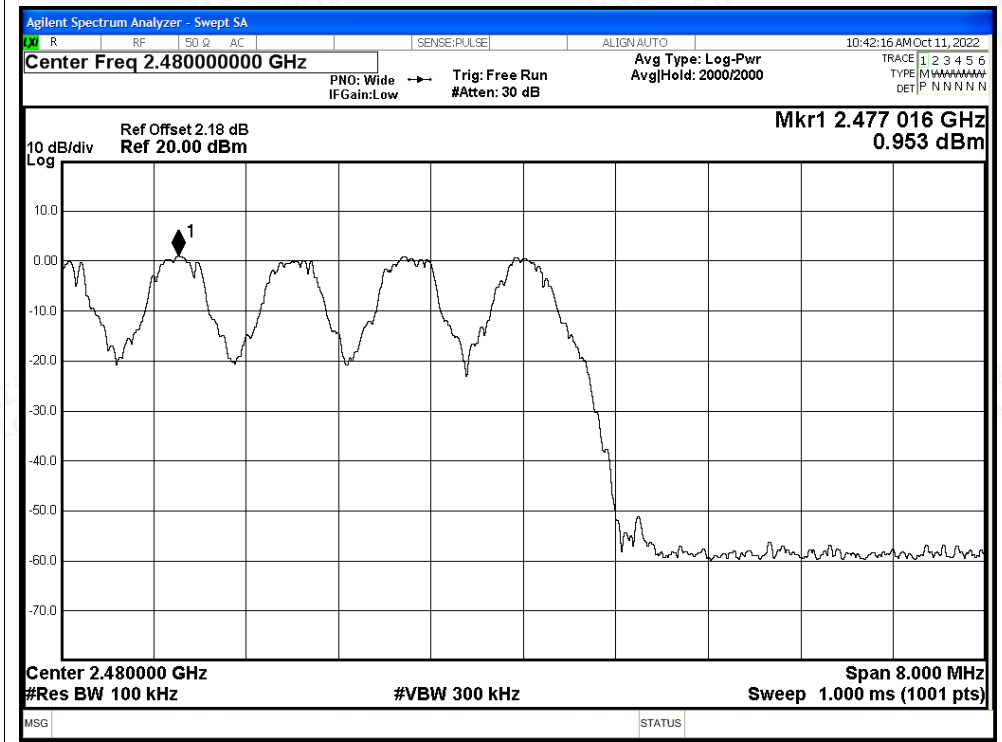
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

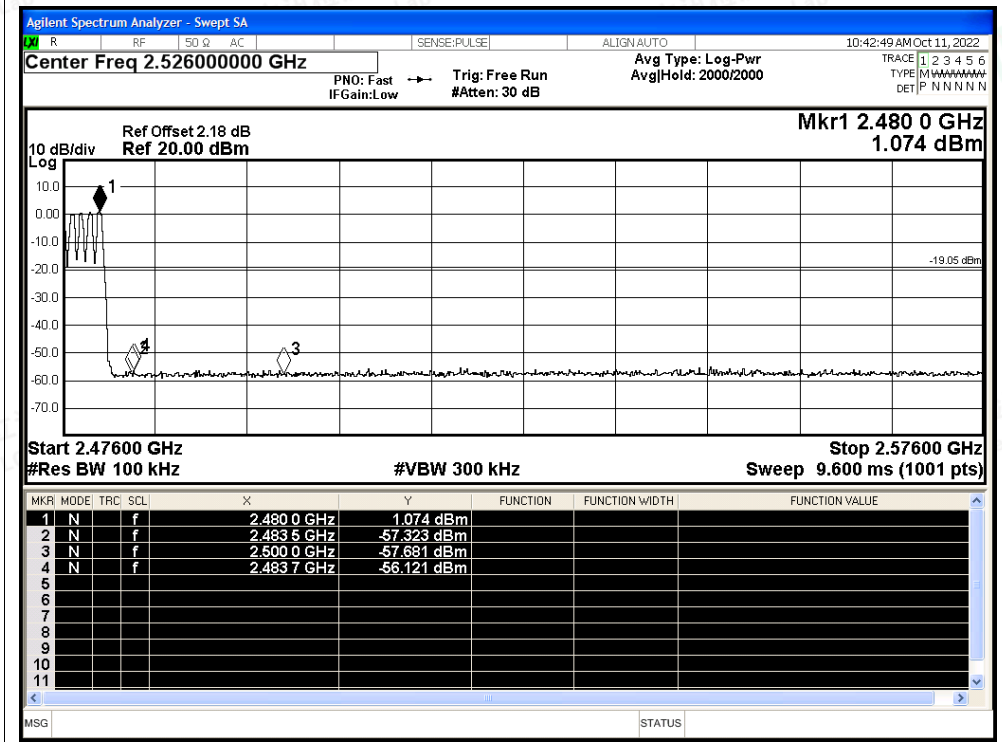
Scan code to check authenticity



Band Edge(Hopping) NVNT 2.4G 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 2.4G 2480MHz Ant1 Hopping Emission



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



B.7 Conducted RF Spurious Emission

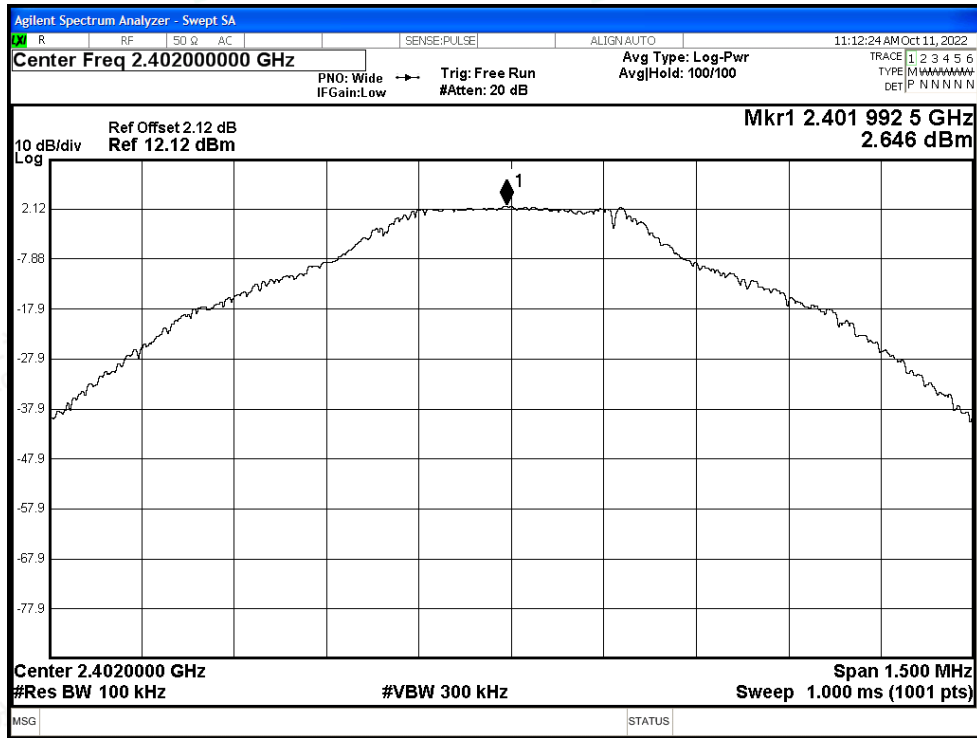
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	2.4G	2402	Ant1	-57.92	-20	Pass
NVNT	2.4G	2441	Ant1	-57.77	-20	Pass
NVNT	2.4G	2480	Ant1	-58.14	-20	Pass



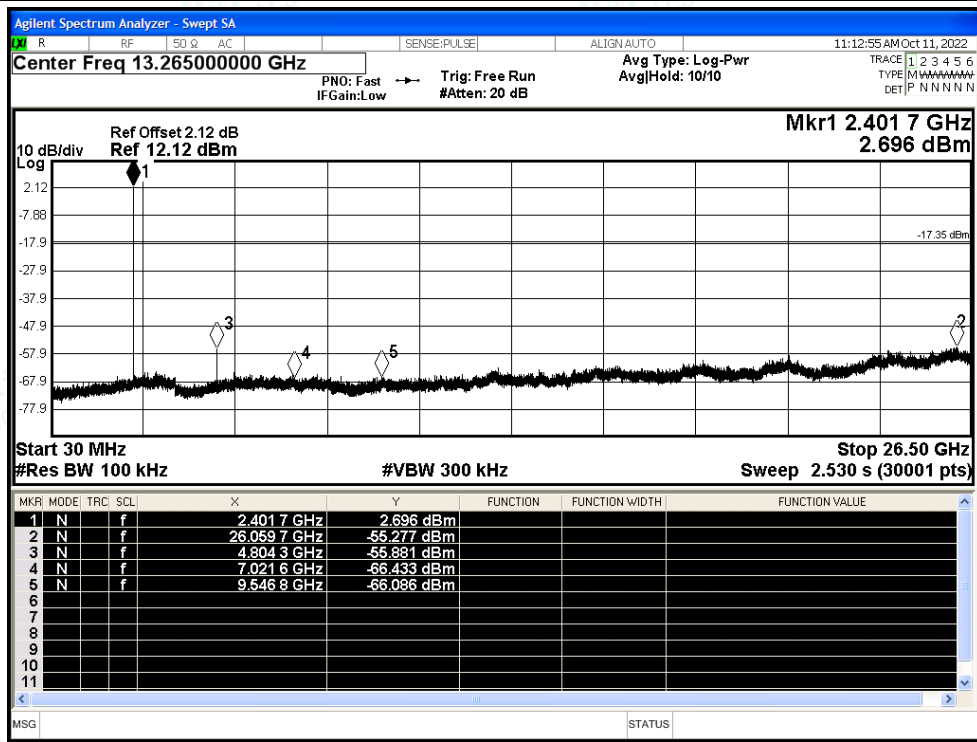


Test Graphs

Tx. Spurious NVNT 2.4G 2402MHz Ant1 Ref



Tx. Spurious NVNT 2.4G 2402MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

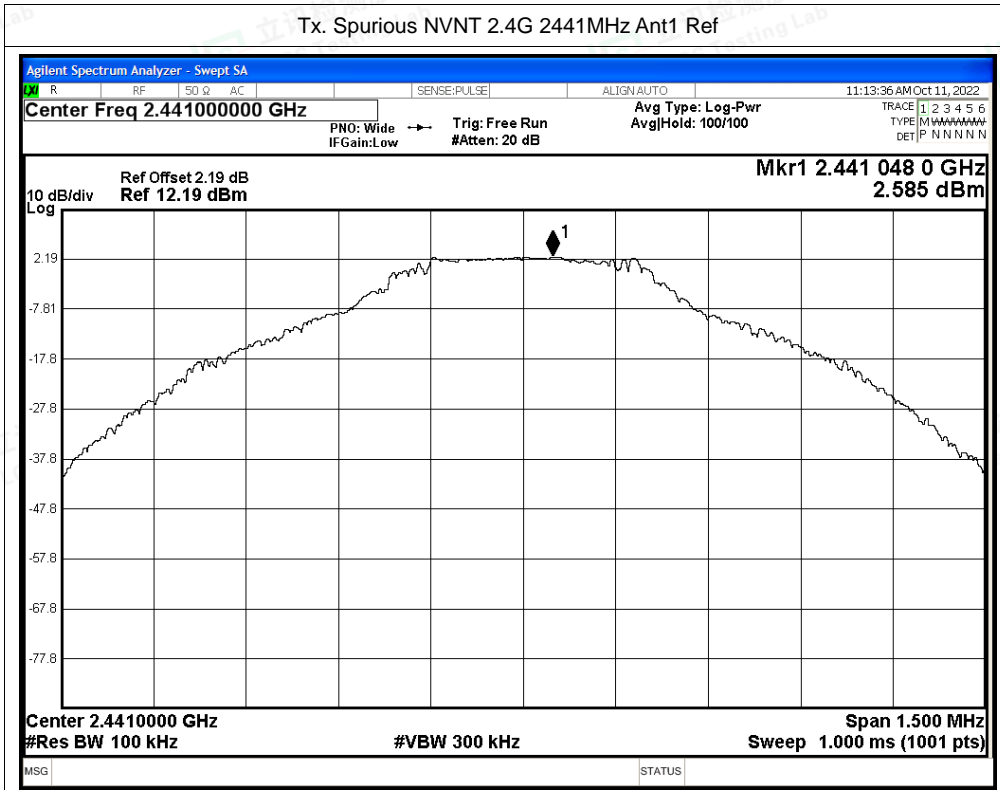
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

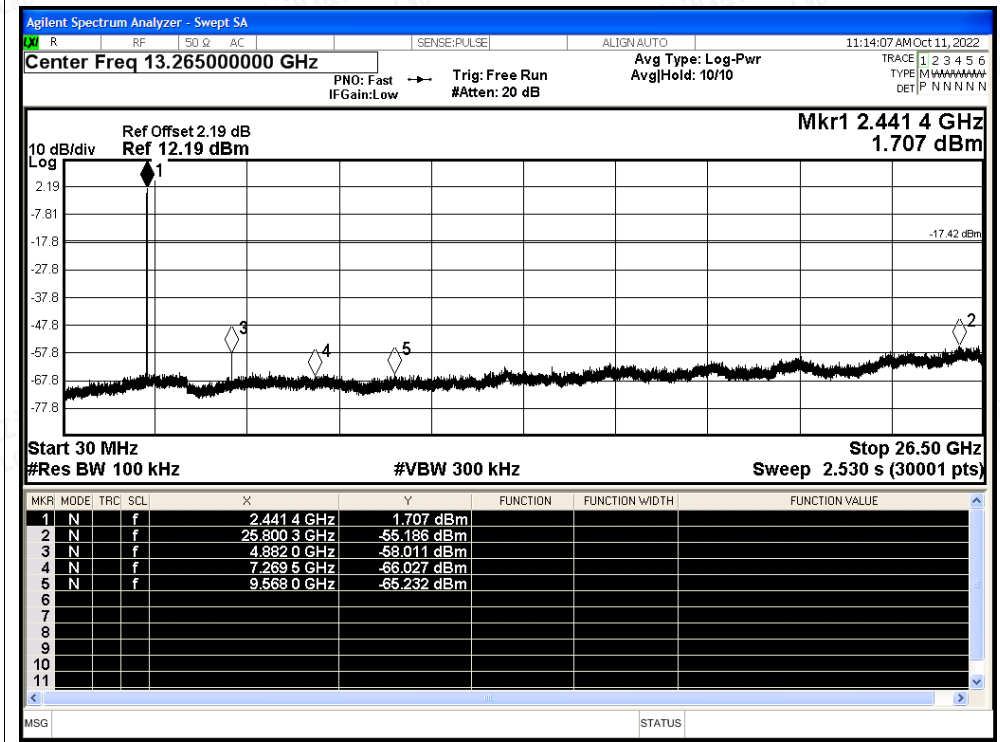
Scan code to check authenticity



Tx. Spurious NVNT 2.4G 2441MHz Ant1 Ref



Tx. Spurious NVNT 2.4G 2441MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

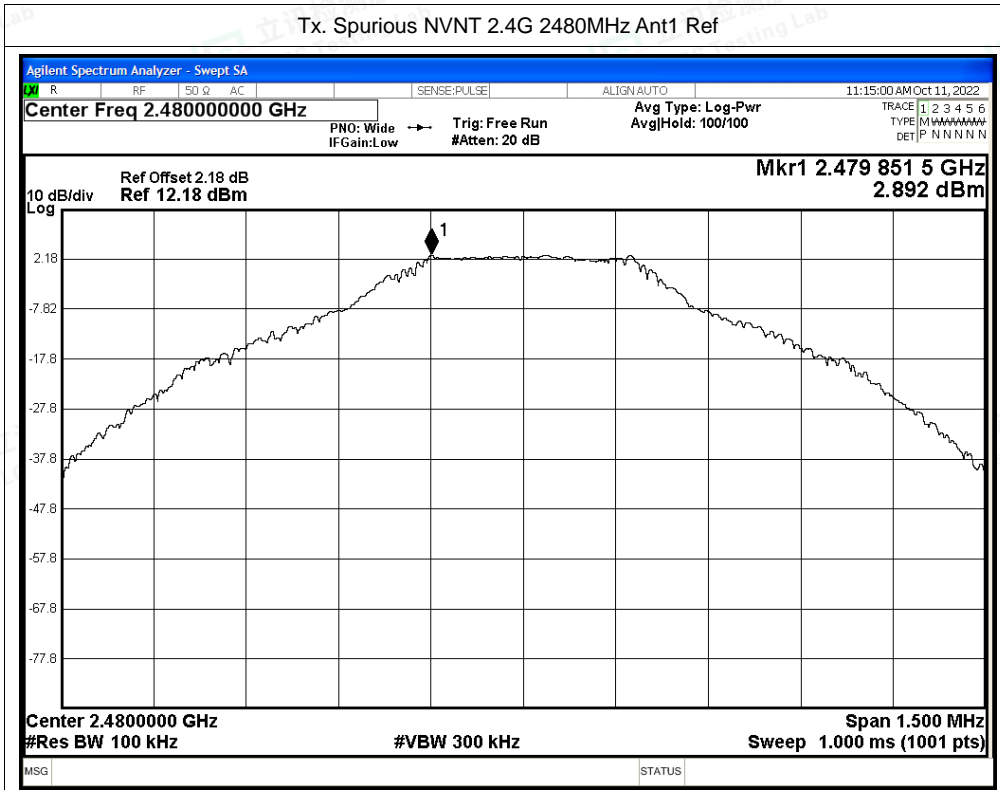
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

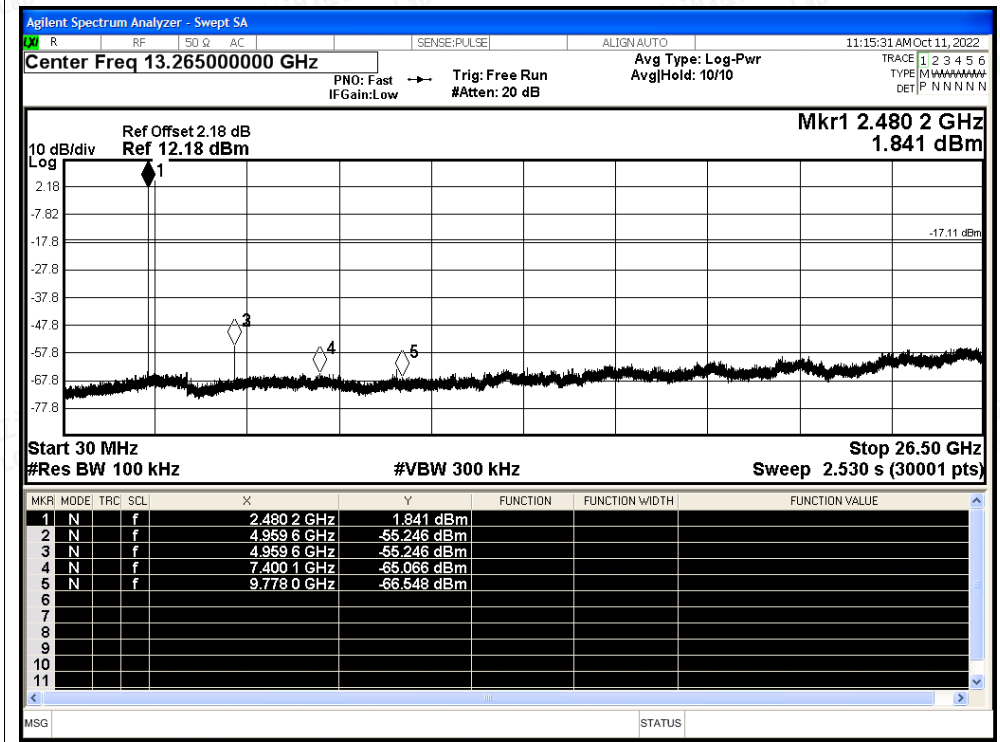
Scan code to check authenticity



Tx. Spurious NVNT 2.4G 2480MHz Ant1 Ref



Tx. Spurious NVNT 2.4G 2480MHz Ant1 Emission



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



B.8 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	2.4G	2402	Ant1	No-Hopping	2310	-50.98	2	46.28	Peak	74	Pass
NVNT	2.4G	2402	Ant1	No-Hopping	2310	-60.37	2	36.89	Average	54	Pass
NVNT	2.4G	2402	Ant1	No-Hopping	2379.888	-47.5	2	49.76	Peak	74	Pass
NVNT	2.4G	2402	Ant1	No-Hopping	2388.528	-59.79	2	37.47	Average	54	Pass
NVNT	2.4G	2402	Ant1	No-Hopping	2390	-49.84	2	47.42	Peak	74	Pass
NVNT	2.4G	2402	Ant1	No-Hopping	2390	-59.99	2	37.27	Average	54	Pass
NVNT	2.4G	2480	Ant1	No-Hopping	2483.5	-48.42	2	48.84	Peak	74	Pass
NVNT	2.4G	2480	Ant1	No-Hopping	2483.5	-58.96	2	38.3	Average	54	Pass
NVNT	2.4G	2480	Ant1	No-Hopping	2493.904	-46.01	2	51.25	Peak	74	Pass
NVNT	2.4G	2480	Ant1	No-Hopping	2483.512	-58.96	2	38.3	Average	54	Pass
NVNT	2.4G	2480	Ant1	No-Hopping	2500	-49.13	2	48.13	Peak	74	Pass
NVNT	2.4G	2480	Ant1	No-Hopping	2500	-59.73	2	37.53	Average	54	Pass

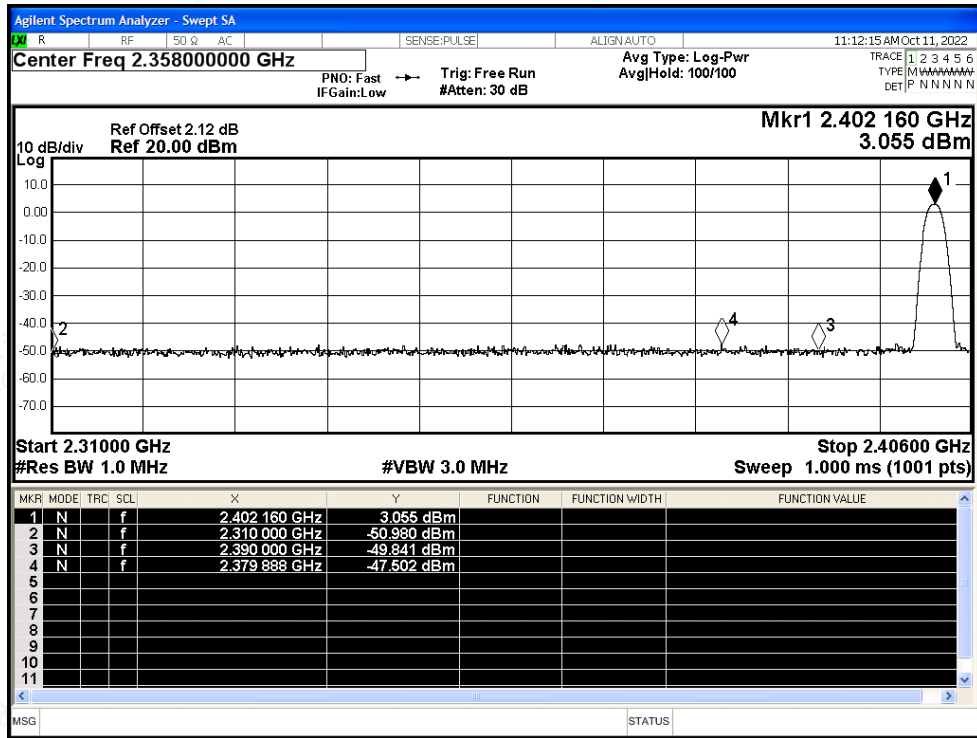


Shenzhen LCS Compliance Testing Laboratory Ltd.
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
 Scan code to check authenticity

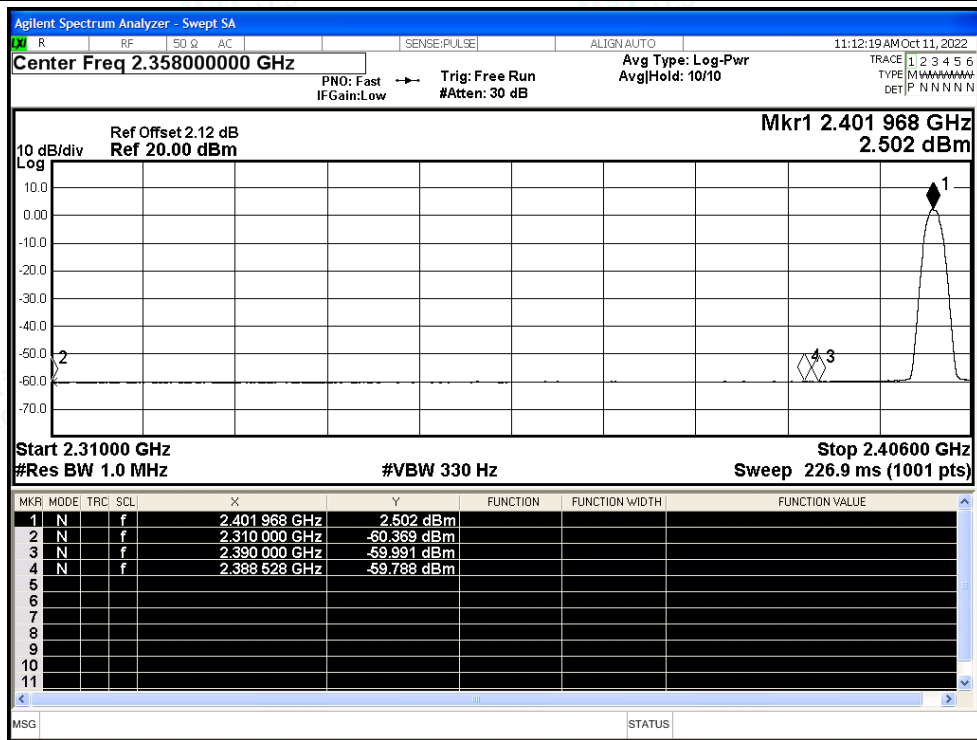


Test Graphs

Restrict Band NVNT 2.4G 2402MHz Ant1 No-Hopping Peak



Restrict Band NVNT 2.4G 2402MHz Ant1 No-Hopping Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

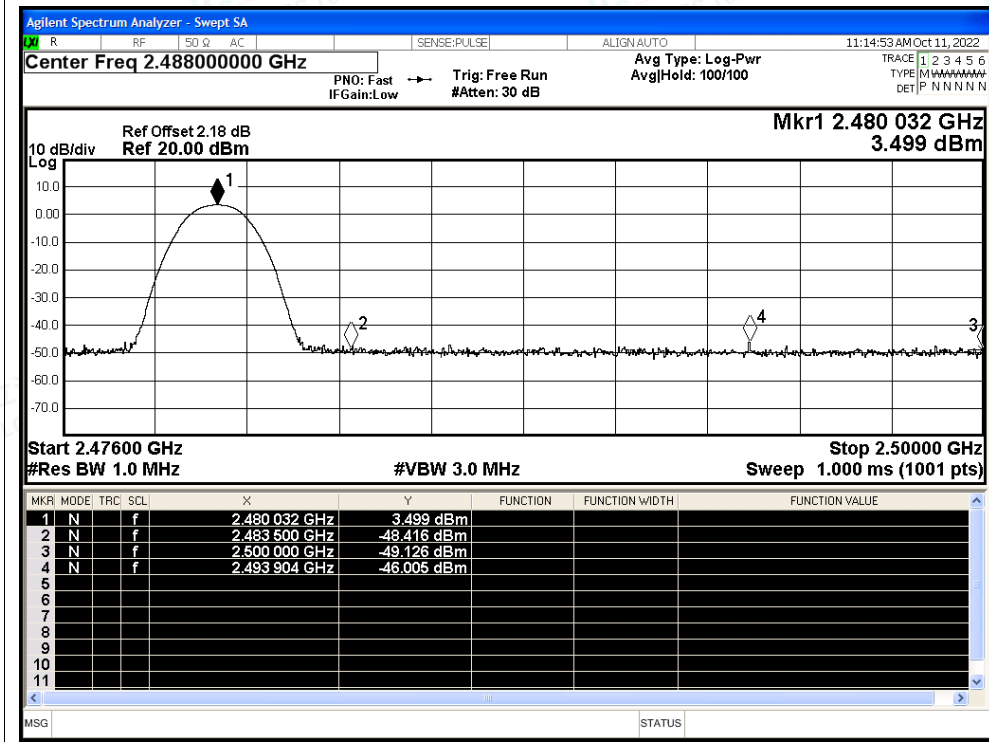
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

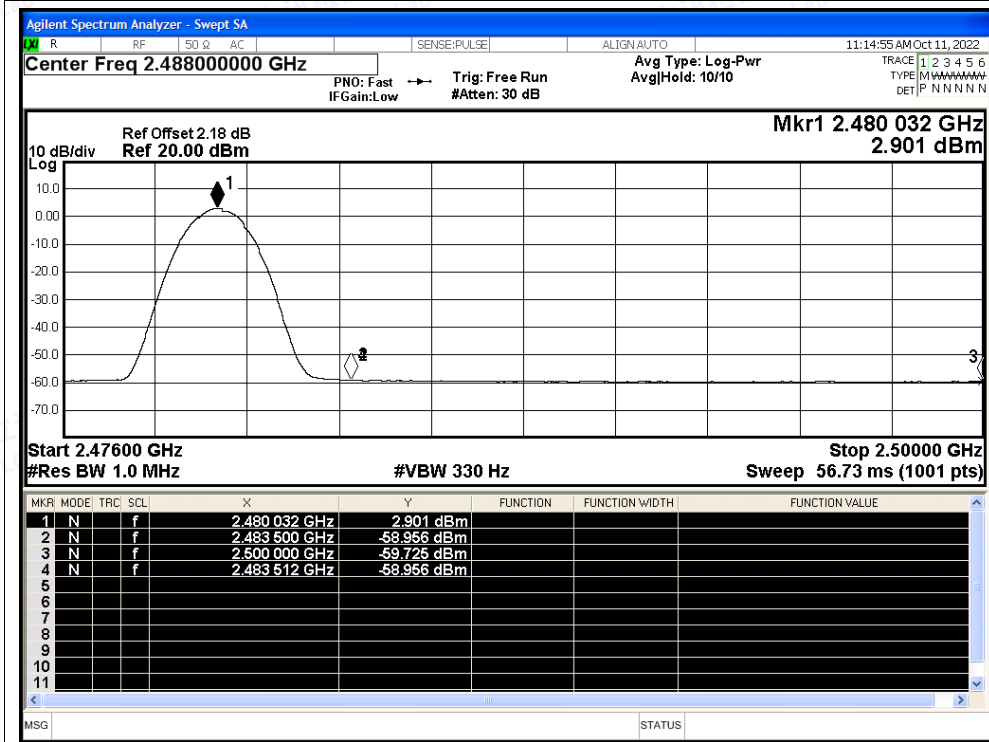
Scan code to check authenticity



Restrict Band NVNT 2.4G 2480MHz Ant1 No-Hopping Peak



Restrict Band NVNT 2.4G 2480MHz Ant1 No-Hopping Average



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