



Appendix B

RF Test Data for BT LE (Conducted Measurement)

Product Name: Wireless Live Streaming Camera

Test Model: LC10

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Eason Zhou
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



B.1 -6dB Bandwidth

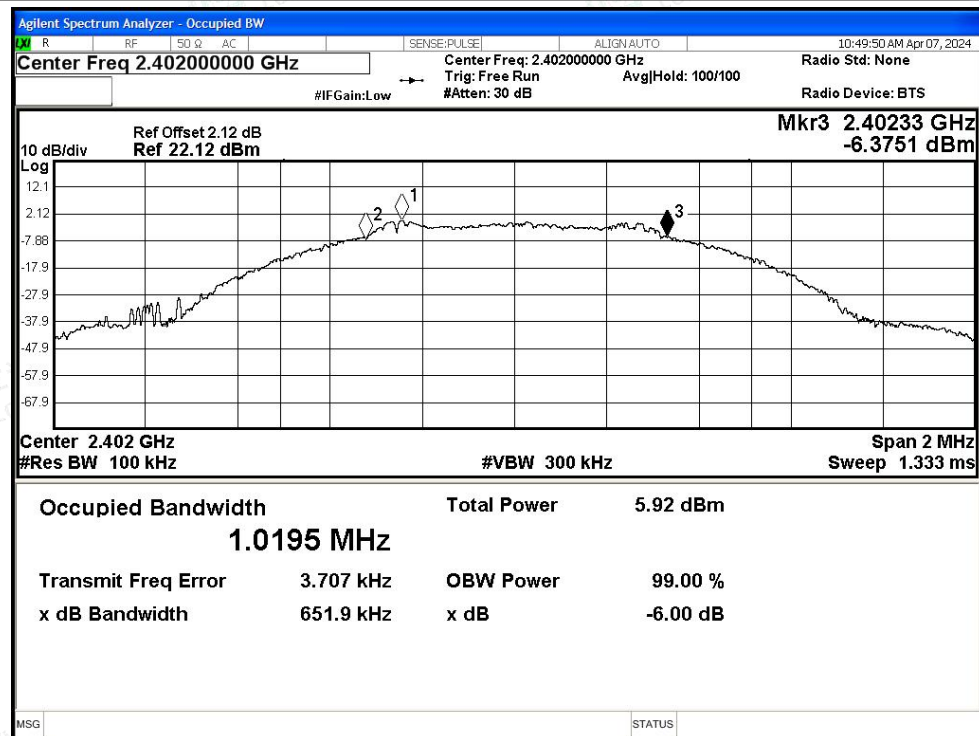
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant2	0.652	≥ 0.5	Pass
NVNT	BLE 1M	2440	Ant2	0.664	≥ 0.5	Pass
NVNT	BLE 1M	2480	Ant2	0.651	≥ 0.5	Pass



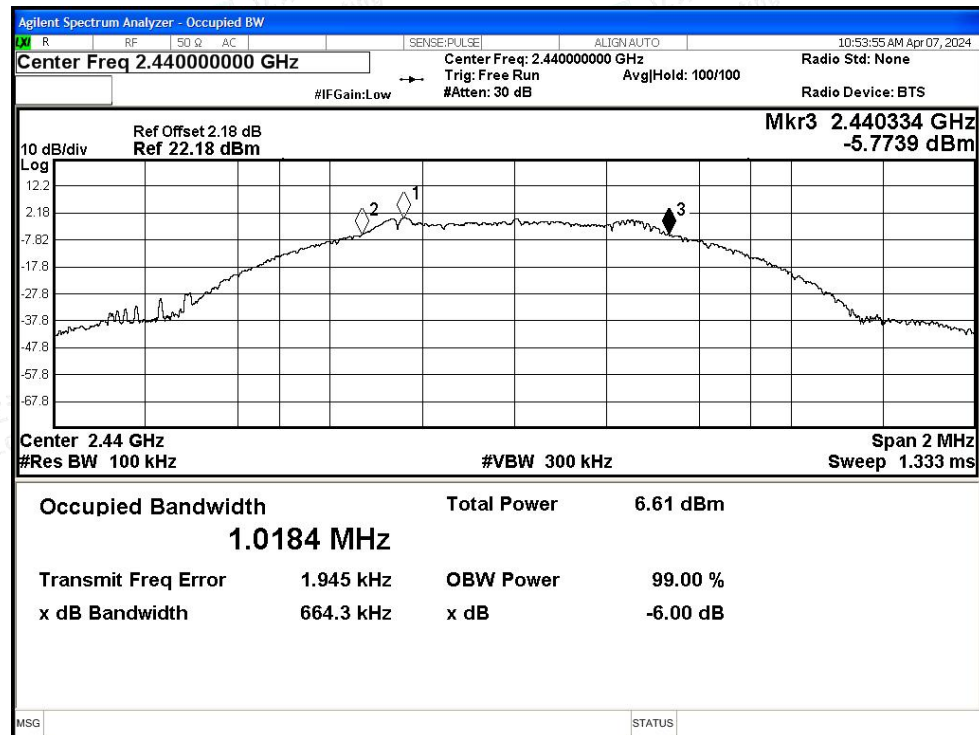


Test Graphs

-6dB Bandwidth NVNT BLE 1M 2402MHz Ant2



-6dB Bandwidth NVNT BLE 1M 2440MHz Ant2

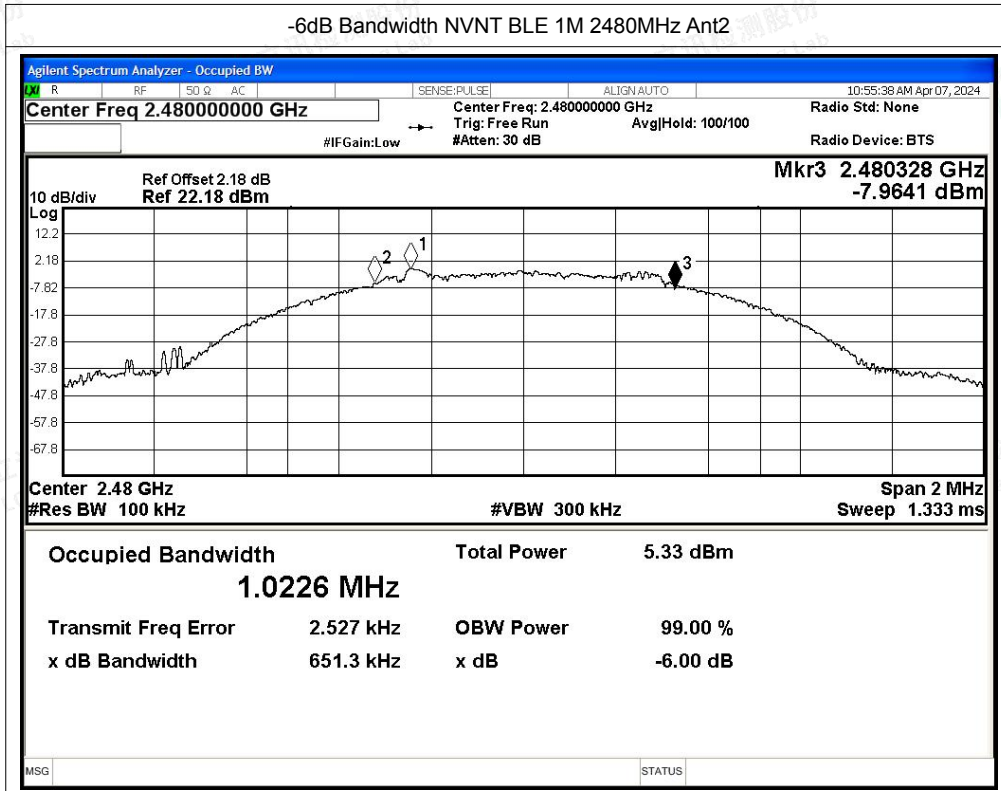


Shenzhen LCS Compliance Testing Laboratory Ltd.

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 Peak Conducted Output Power

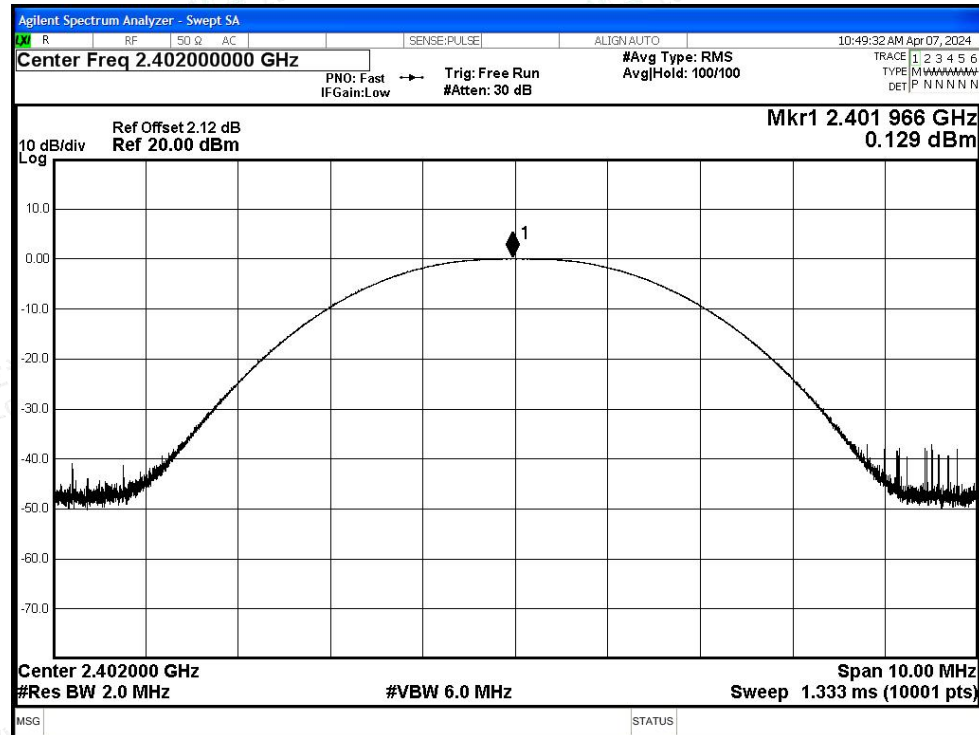
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant2	0.13	30	Pass
NVNT	BLE 1M	2440	Ant2	0.73	30	Pass
NVNT	BLE 1M	2480	Ant2	-0.42	30	Pass



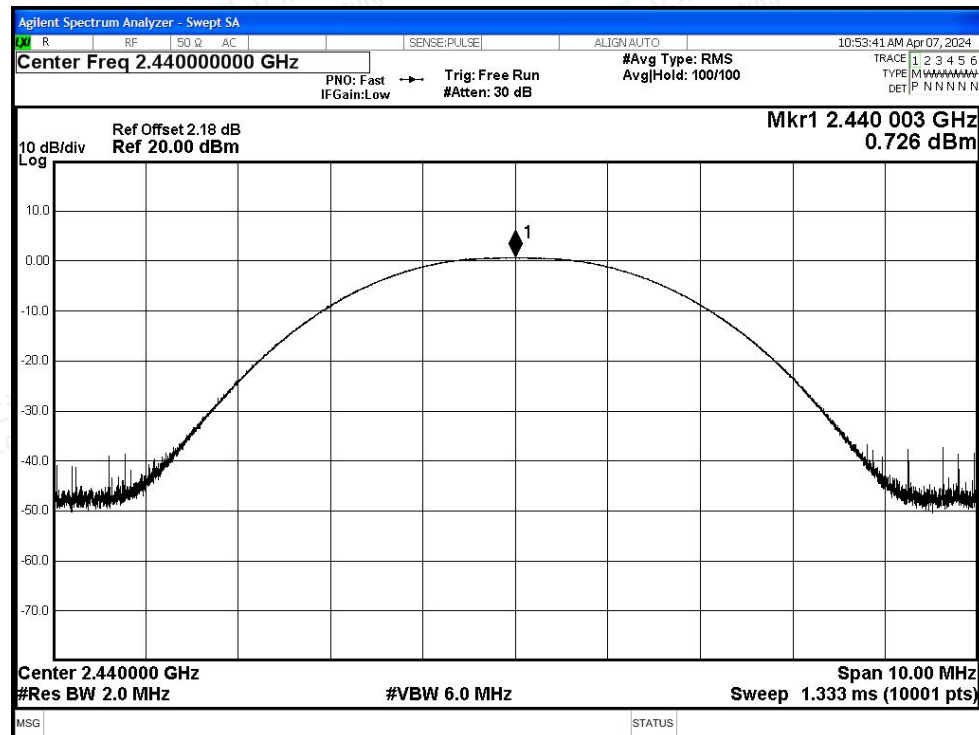


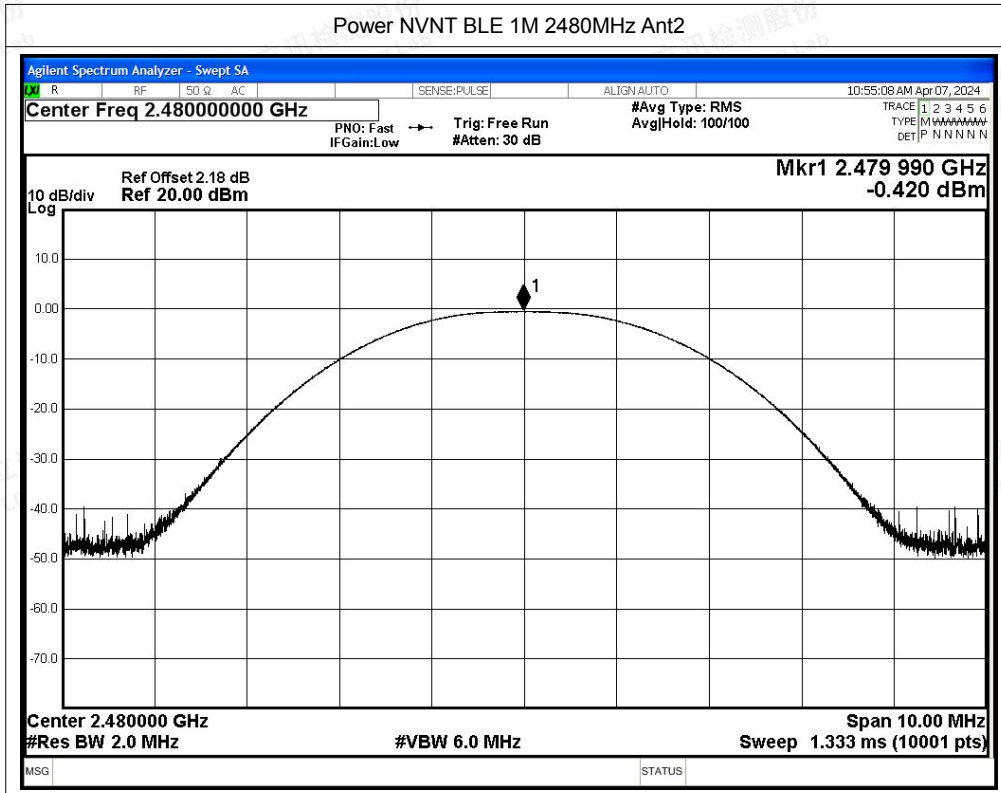
Test Graphs

Power NVNT BLE 1M 2402MHz Ant2



Power NVNT BLE 1M 2440MHz Ant2







B.3 Maximum Power Spectral Density Level

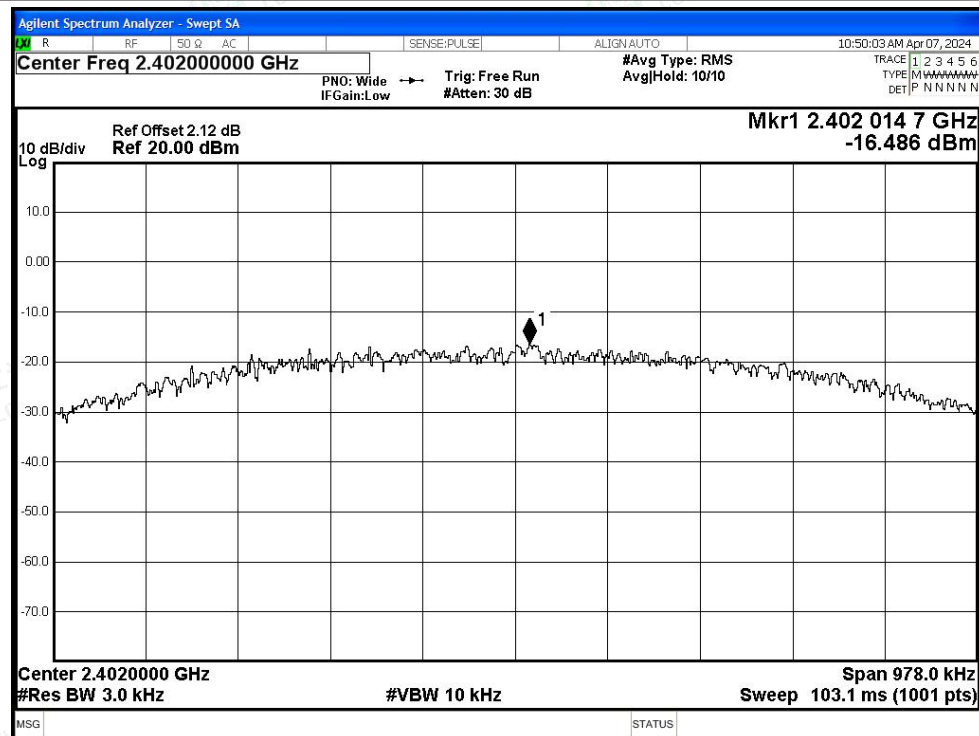
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant2	-16.49	8	Pass
NVNT	BLE 1M	2440	Ant2	-15.79	8	Pass
NVNT	BLE 1M	2480	Ant2	-16.88	8	Pass



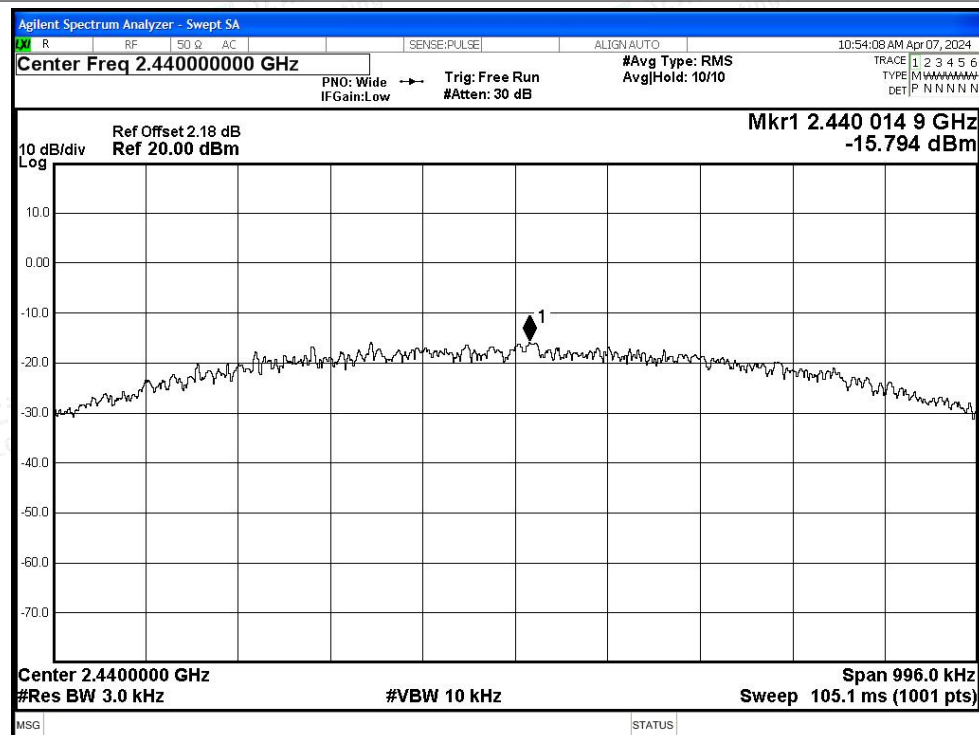


Test Graphs

PSD NVNT BLE 1M 2402MHz Ant2



PSD NVNT BLE 1M 2440MHz Ant2

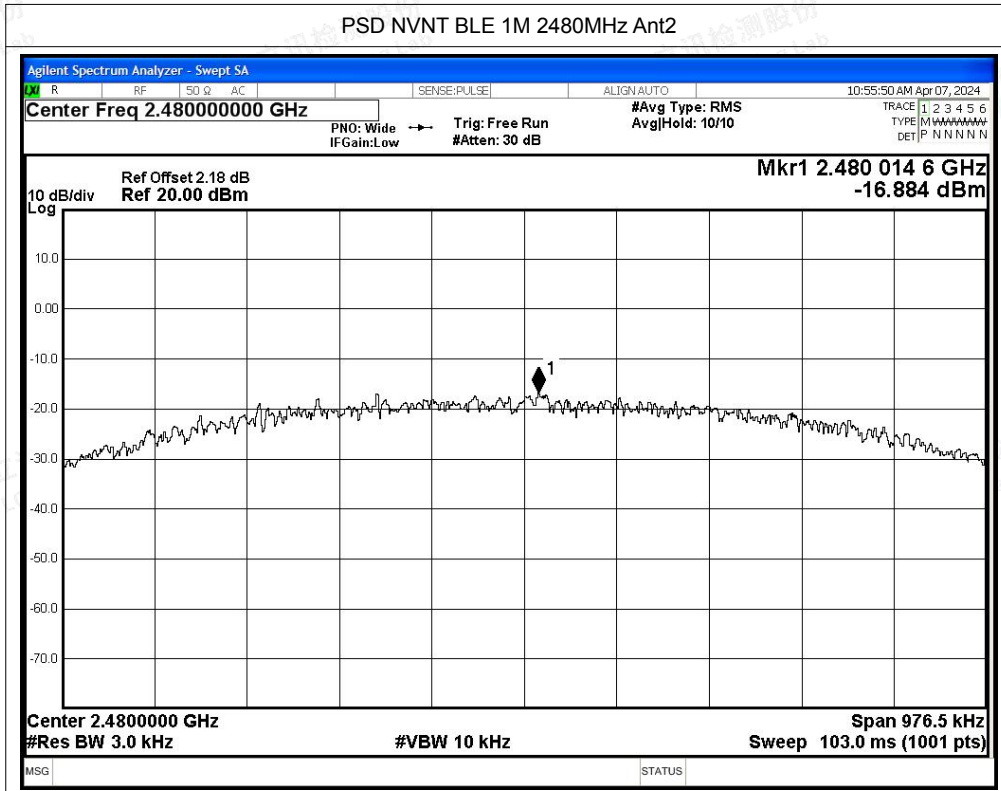


Shenzhen LCS Compliance Testing Laboratory Ltd.

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.4 Band Edge

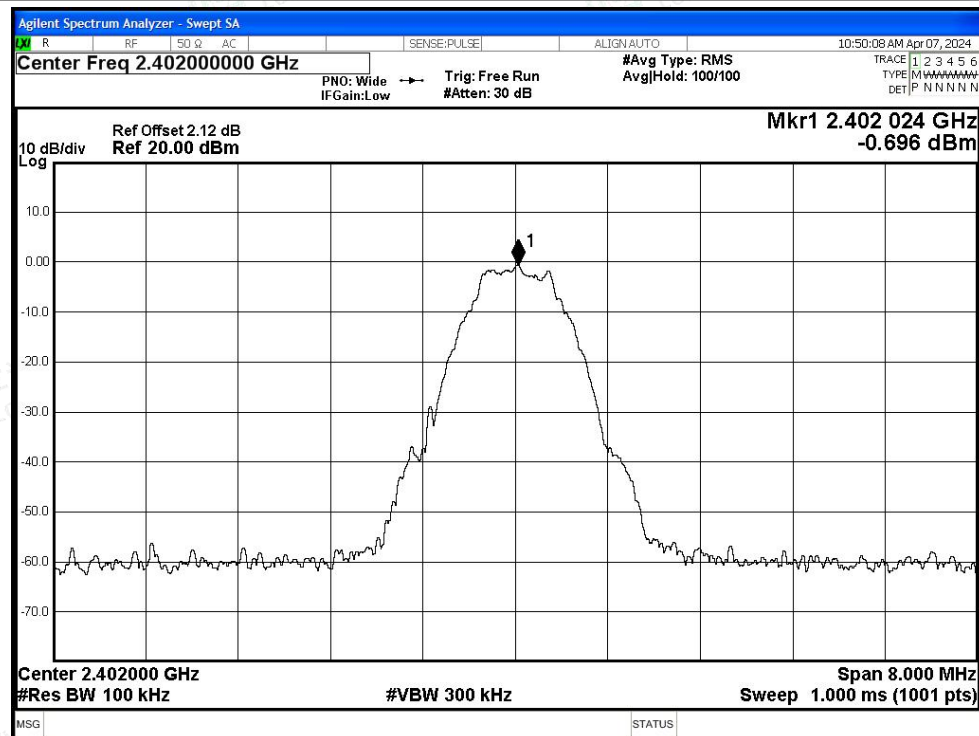
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant2	-56.34	-20	Pass
NVNT	BLE 1M	2480	Ant2	-55.81	-20	Pass
NVNT	BLE 2M	2402	Ant2	-44.93	-20	Pass
NVNT	BLE 2M	2480	Ant2	-54.89	-20	Pass



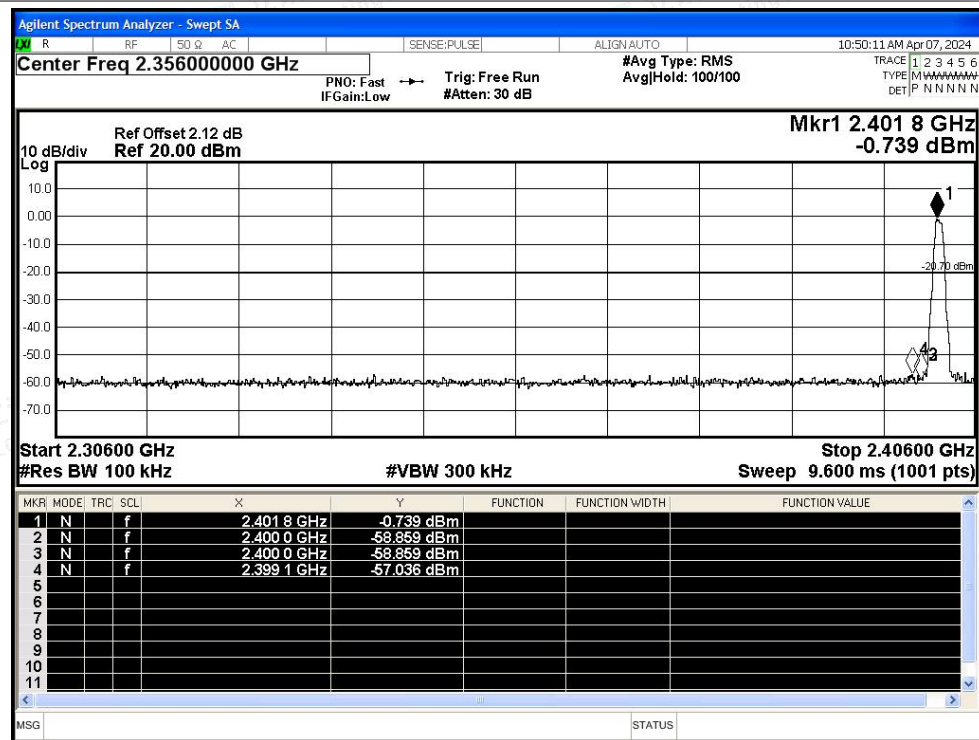


Test Graphs

Band Edge NVNT BLE 1M 2402MHz Ant2 Ref



Band Edge NVNT BLE 1M 2402MHz Ant2 Emission

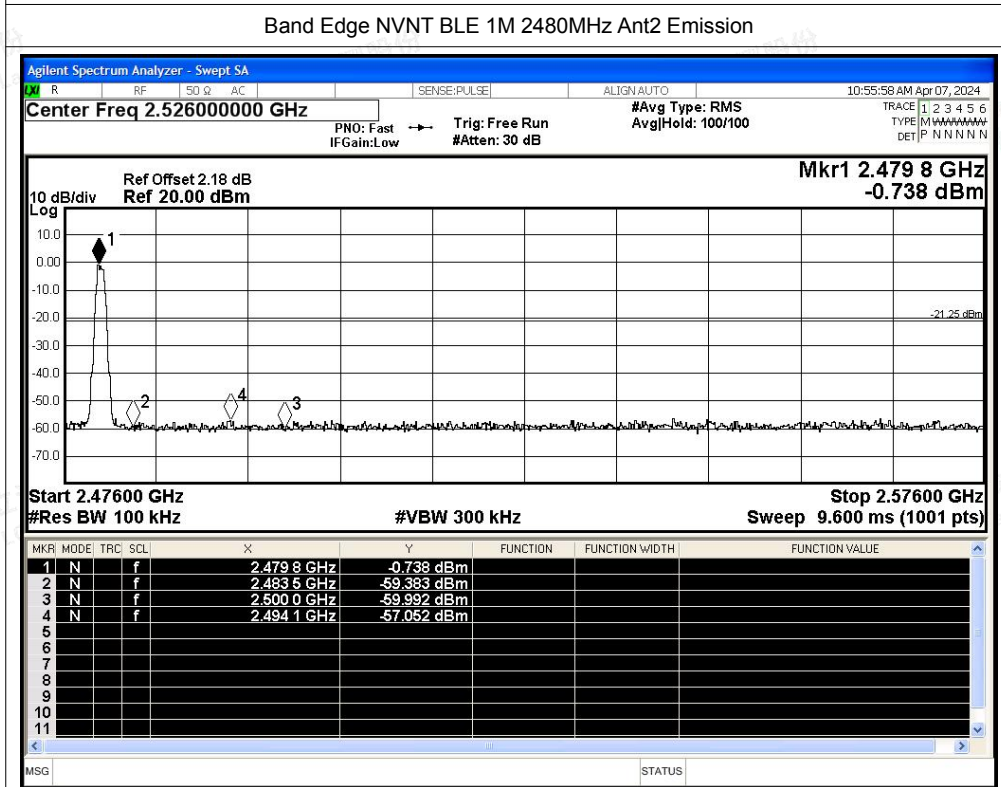
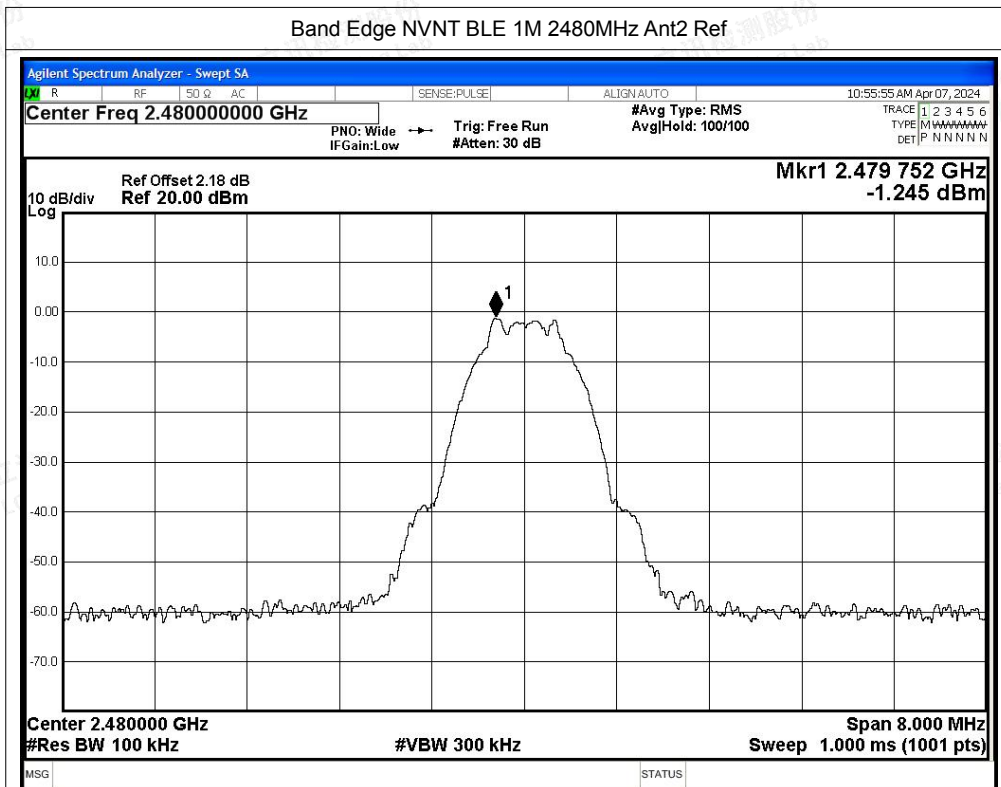


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

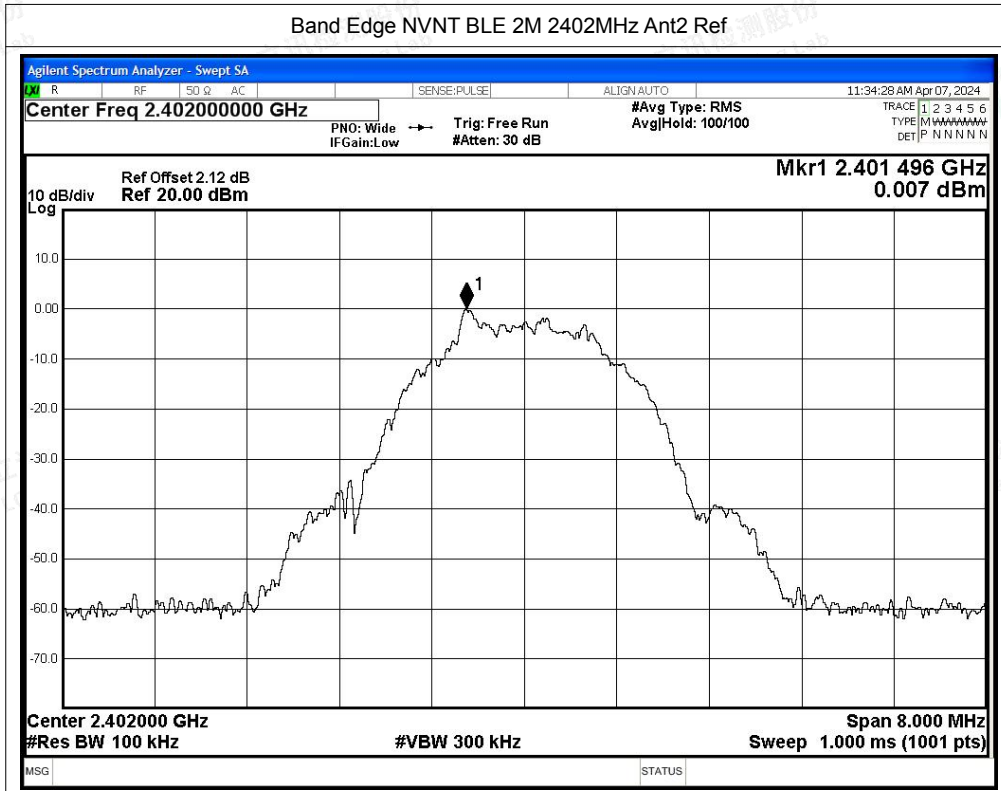


Shenzhen LCS Compliance Testing Laboratory Ltd.

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.5 Conducted RF Spurious Emission

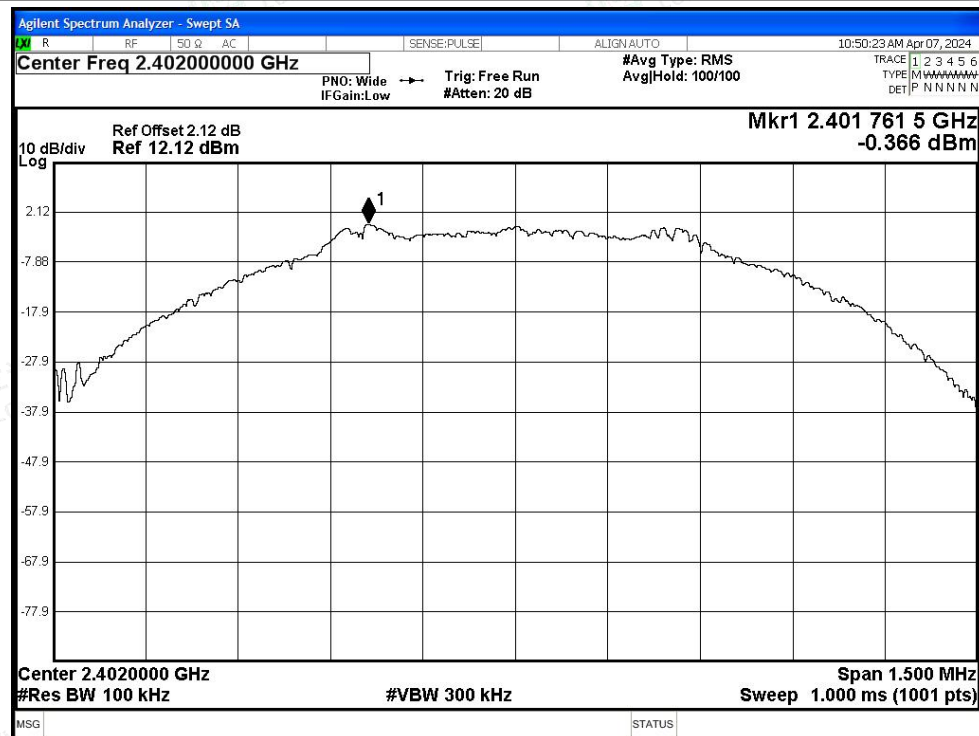
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant2	-55.75	-20	Pass
NVNT	BLE 1M	2440	Ant2	-55.95	-20	Pass
NVNT	BLE 1M	2480	Ant2	-55.45	-20	Pass



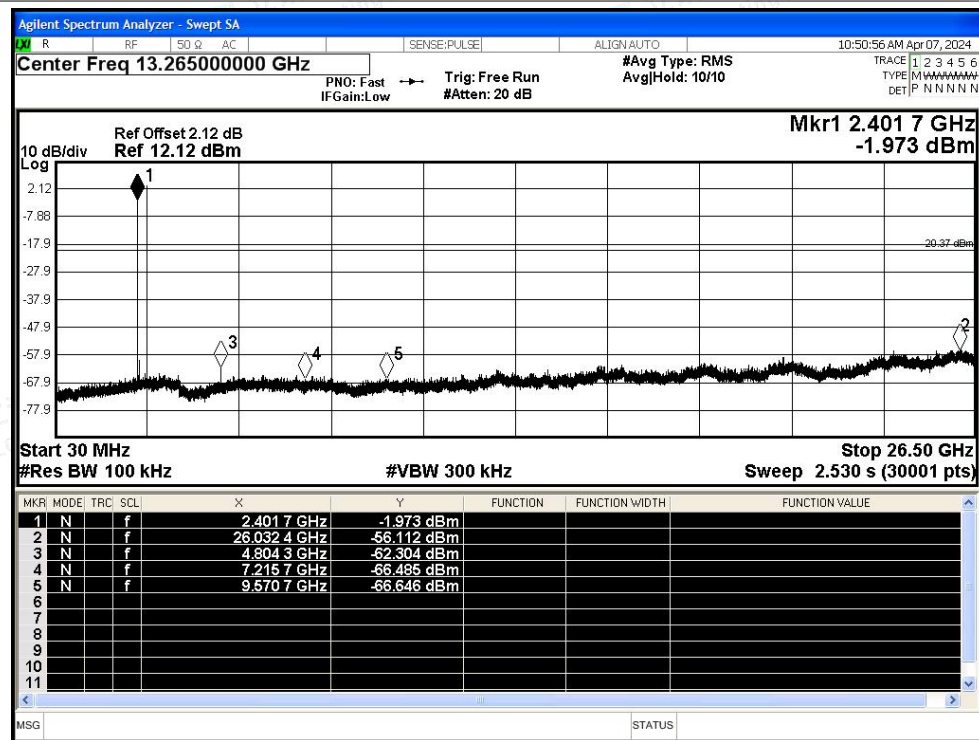


Test Graphs

Tx. Spurious NVNT BLE 1M 2402MHz Ant2 Ref



Tx. Spurious NVNT BLE 1M 2402MHz Ant2 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

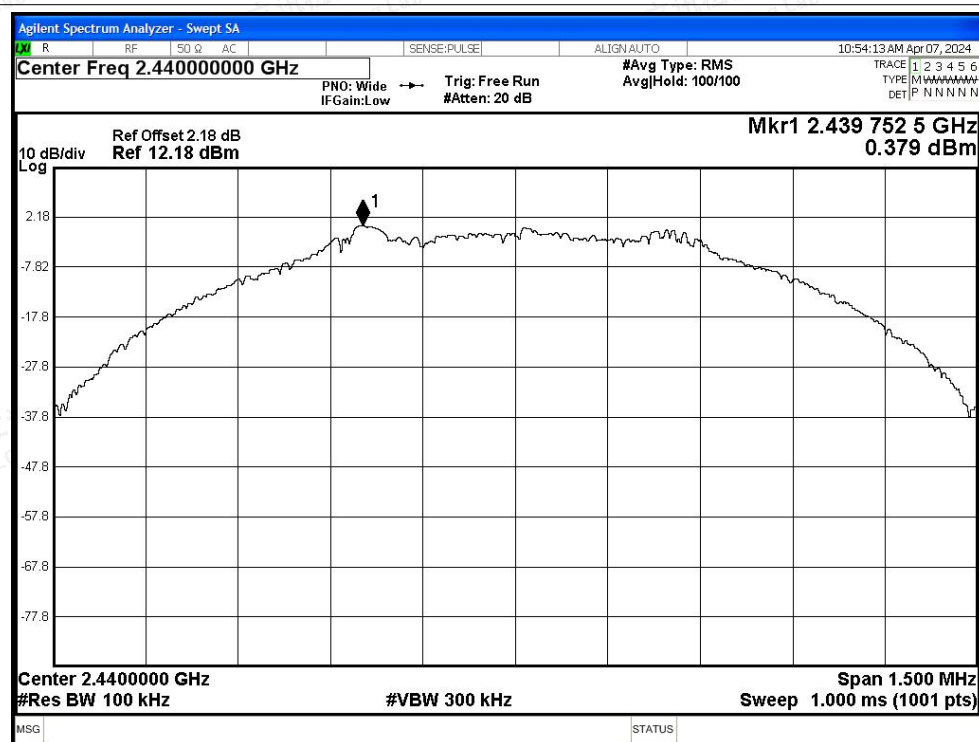
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

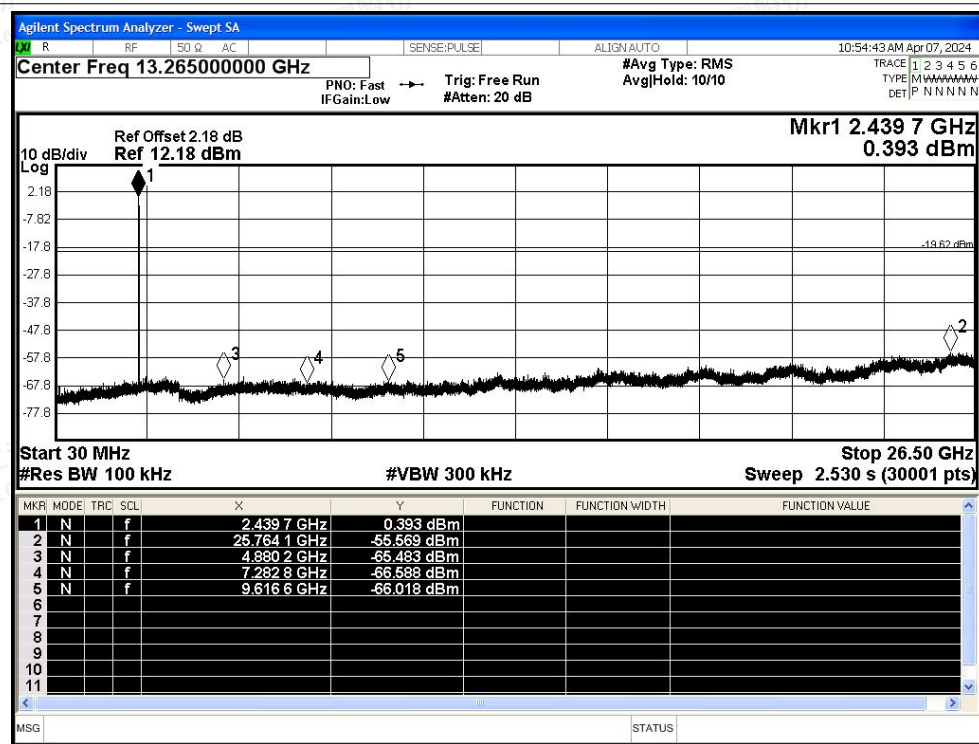
Scan code to check authenticity



Tx. Spurious NVNT BLE 1M 2440MHz Ant2 Ref



Tx. Spurious NVNT BLE 1M 2440MHz Ant2 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

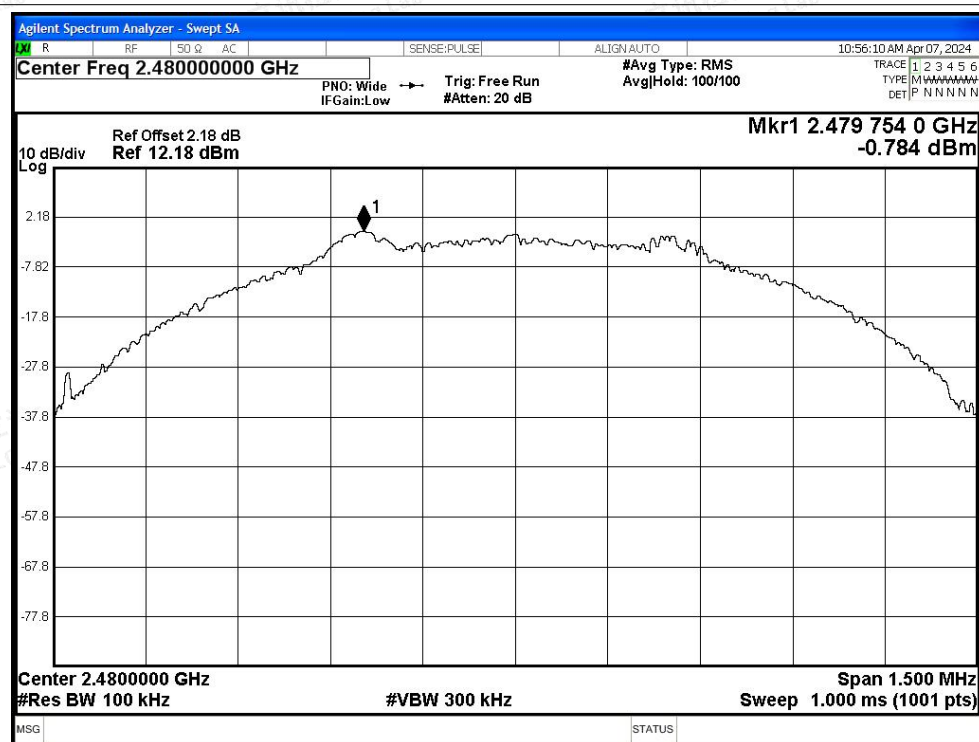
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

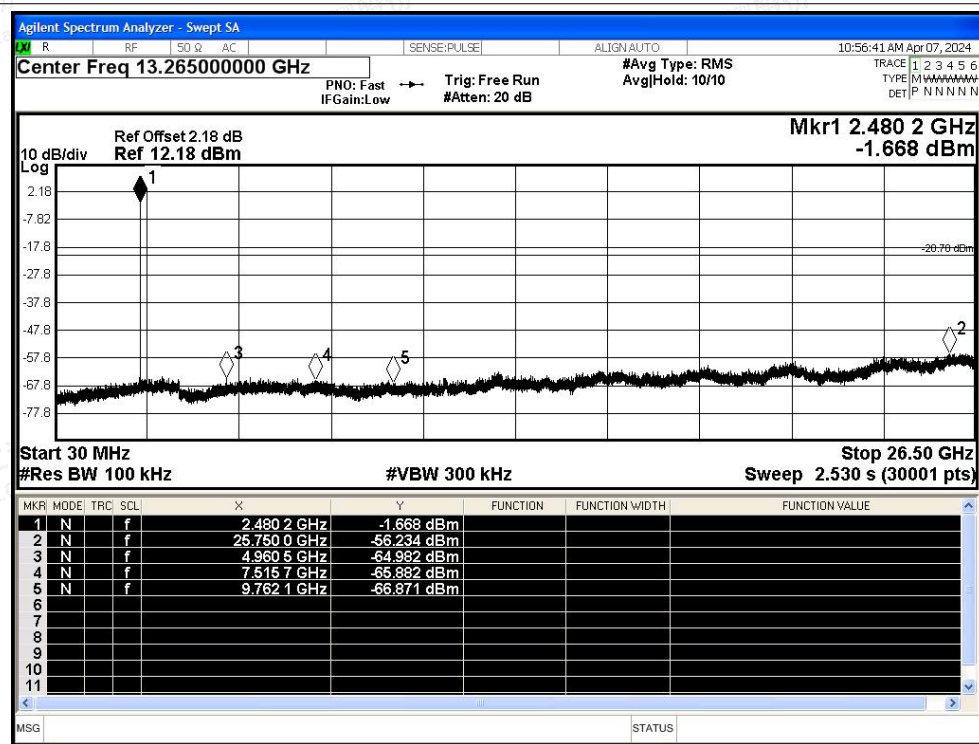
Scan code to check authenticity



Tx. Spurious NVNT BLE 1M 2480MHz Ant2 Ref



Tx. Spurious NVNT BLE 1M 2480MHz Ant2 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

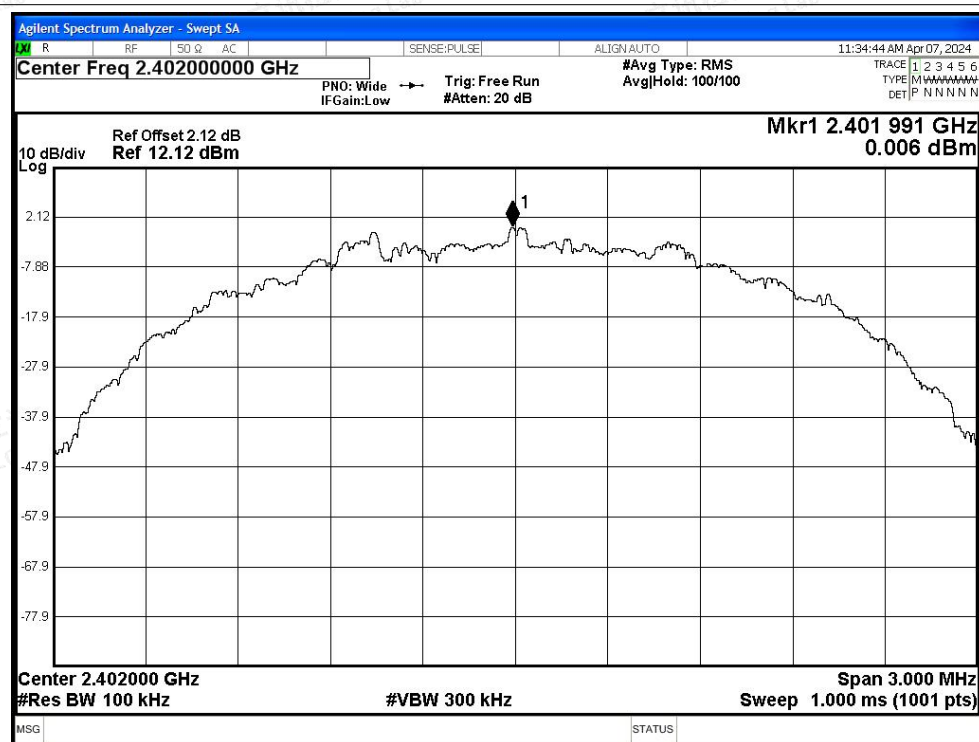
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

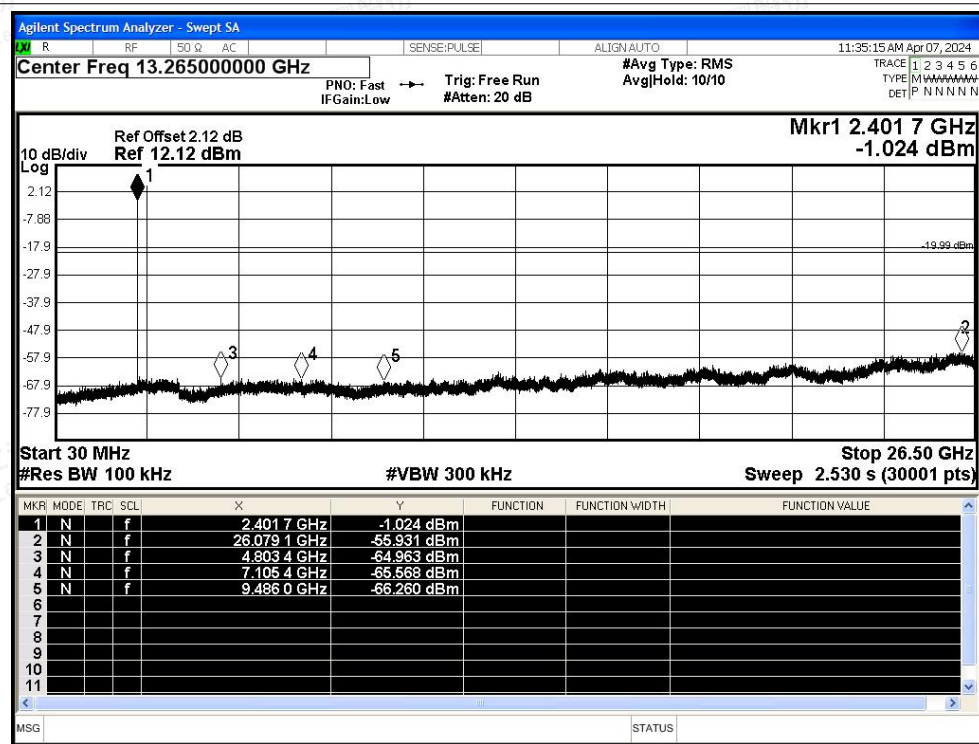
Scan code to check authenticity



Tx. Spurious NVNT BLE 2M 2402MHz Ant2 Ref



Tx. Spurious NVNT BLE 2M 2402MHz Ant2 Emission

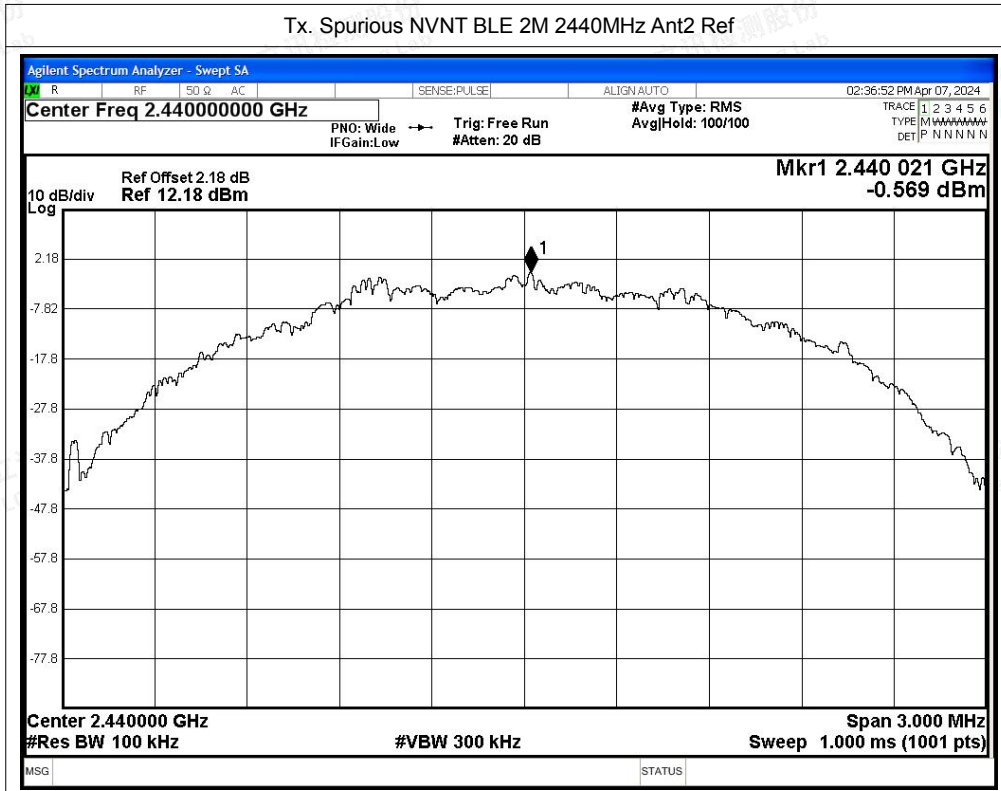


Shenzhen LCS Compliance Testing Laboratory Ltd.

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.6 Duty Cycle

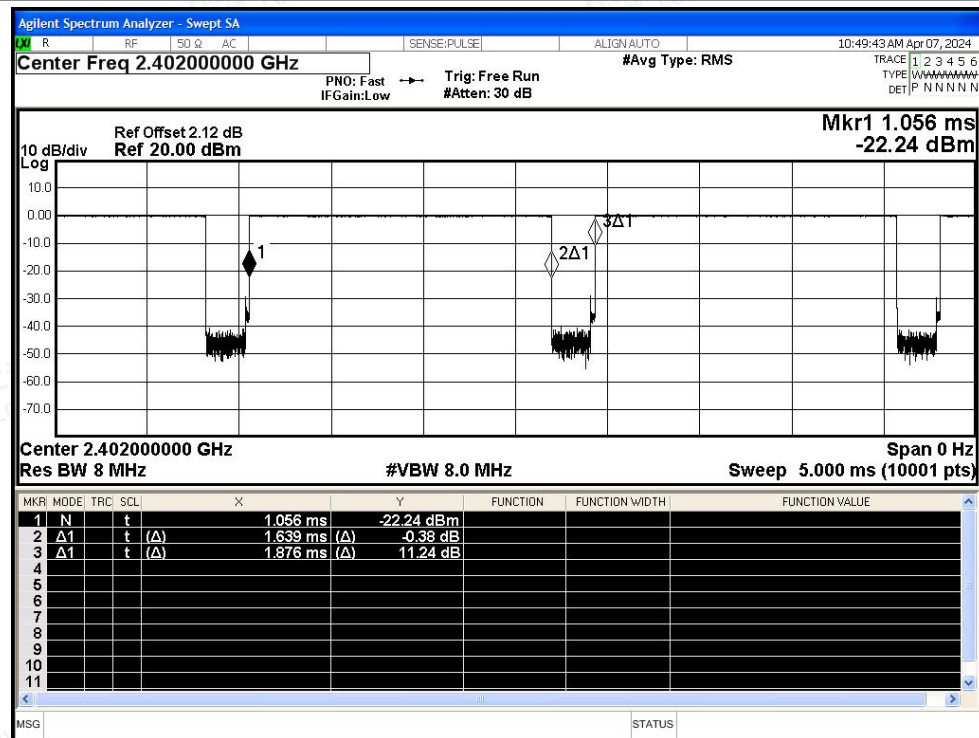
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant2	87.39	0.59	0.61
NVNT	BLE 1M	2440	Ant2	87.39	0.59	0.61
NVNT	BLE 1M	2480	Ant2	87.39	0.59	0.61



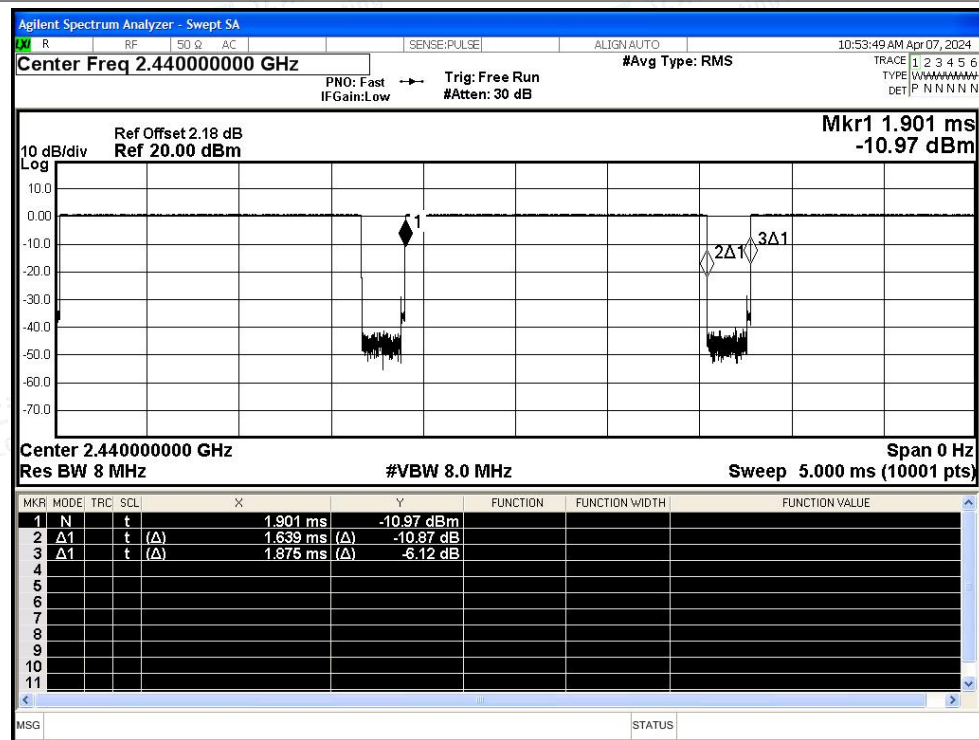


Test Graphs

Duty Cycle NVNT BLE 1M 2402MHz Ant2



Duty Cycle NVNT BLE 1M 2440MHz Ant2

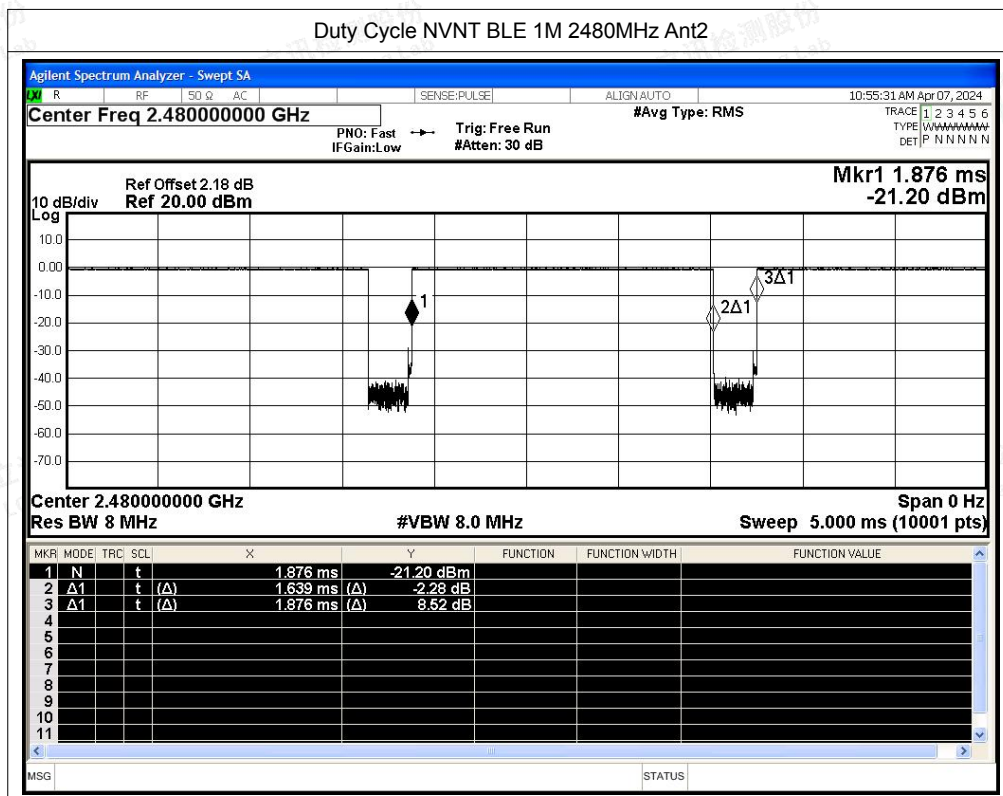


Shenzhen LCS Compliance Testing Laboratory Ltd.

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 Restrict Band

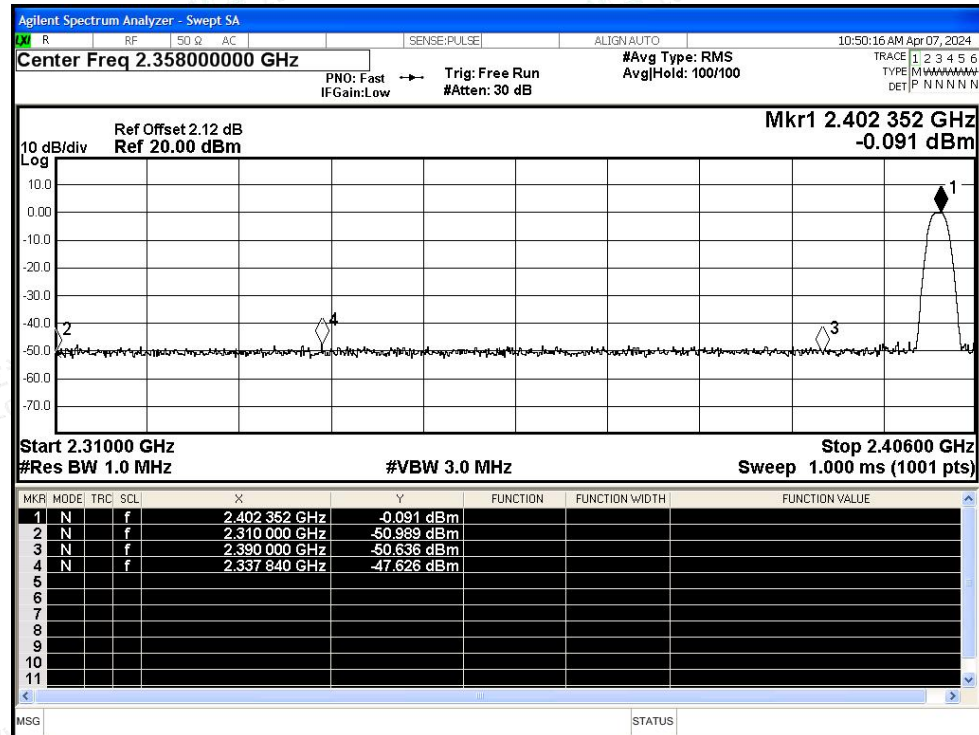
Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	BLE 1M	2402	Ant2	2310	-50.99	2	-	46.27	Peak	74	Pass
NVNT	BLE 1M	2402	Ant2	2310	-58.64	2	0.59	39.21	Average	54	Pass
NVNT	BLE 1M	2402	Ant2	2337.84	-47.63	2	-	49.63	Peak	74	Pass
NVNT	BLE 1M	2402	Ant2	2364.816	-57.62	2	0.59	40.23	Average	54	Pass
NVNT	BLE 1M	2402	Ant2	2390	-50.64	2	-	46.62	Peak	74	Pass
NVNT	BLE 1M	2402	Ant2	2390	-58.07	2	0.59	39.78	Average	54	Pass
NVNT	BLE 1M	2480	Ant2	2483.5	-49.38	2	-	47.88	Peak	74	Pass
NVNT	BLE 1M	2480	Ant2	2483.5	-57.89	2	0.59	39.96	Average	54	Pass
NVNT	BLE 1M	2480	Ant2	2483.608	-44.69	2	-	52.57	Peak	74	Pass
NVNT	BLE 1M	2480	Ant2	2492.032	-56.84	2	0.59	41.01	Average	54	Pass
NVNT	BLE 1M	2480	Ant2	2500	-50.14	2	-	47.12	Peak	74	Pass
NVNT	BLE 1M	2480	Ant2	2500	-58.34	2	0.59	39.51	Average	54	Pass



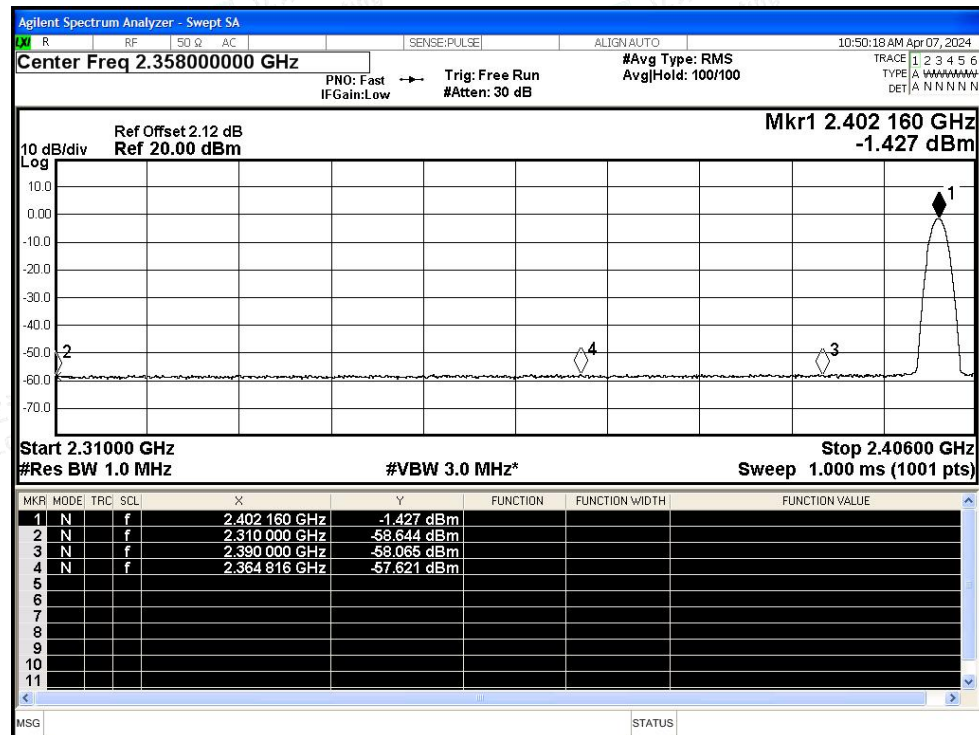


Test Graphs

Restrict Band NVNT BLE 1M 2402MHz Ant2 Peak



Restrict Band NVNT BLE 1M 2402MHz Ant2 Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

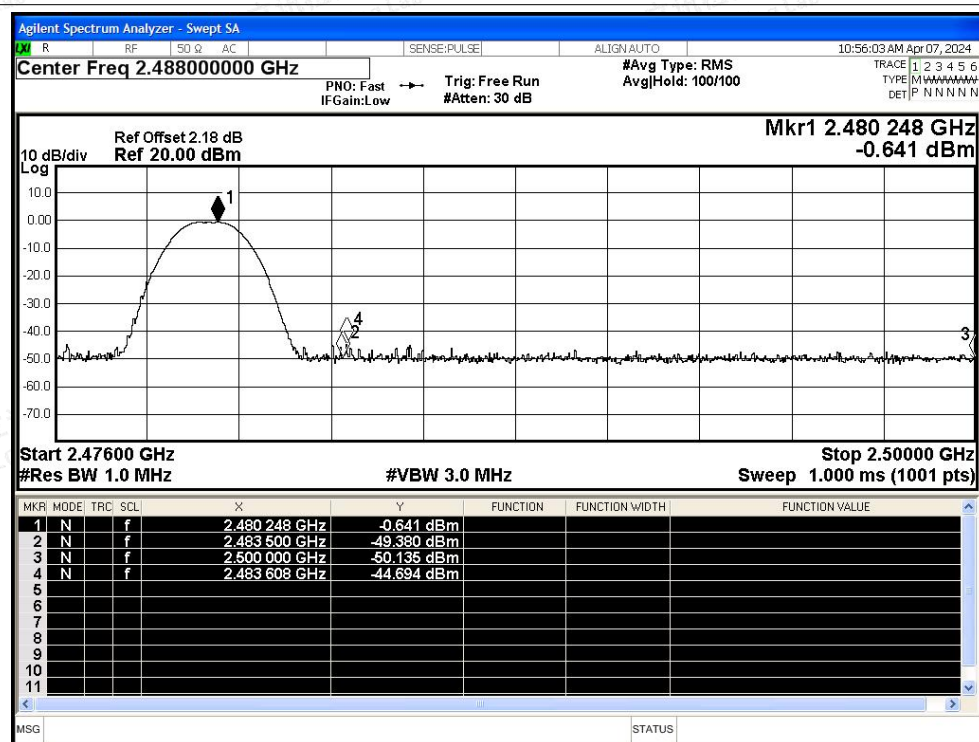
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

Scan code to check authenticity



Restrict Band NVNT BLE 1M 2480MHz Ant2 Peak



Restrict Band NVNT BLE 1M 2480MHz Ant2 Average

