



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Smart Projector

Test Model: Y01

Environmental Conditions

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





A.1 -20dB Bandwidth

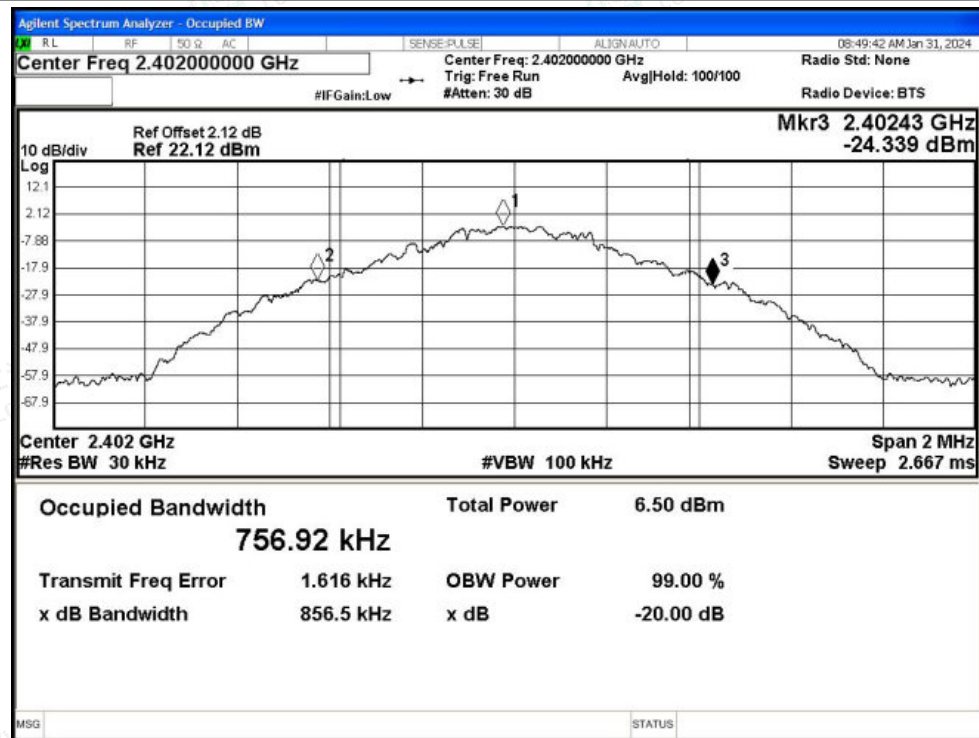
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant2	0.856	N/A	Pass
NVNT	1-DH5	2441	Ant2	0.842	N/A	Pass
NVNT	1-DH5	2480	Ant2	0.847	N/A	Pass
NVNT	2-DH5	2402	Ant2	1.286	N/A	Pass
NVNT	2-DH5	2441	Ant2	1.27	N/A	Pass
NVNT	2-DH5	2480	Ant2	1.289	N/A	Pass
NVNT	3-DH5	2402	Ant2	1.27	N/A	Pass
NVNT	3-DH5	2441	Ant2	1.248	N/A	Pass
NVNT	3-DH5	2480	Ant2	1.288	N/A	Pass





Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant2



-20dB Bandwidth NVNT 1-DH5 2441MHz Ant2



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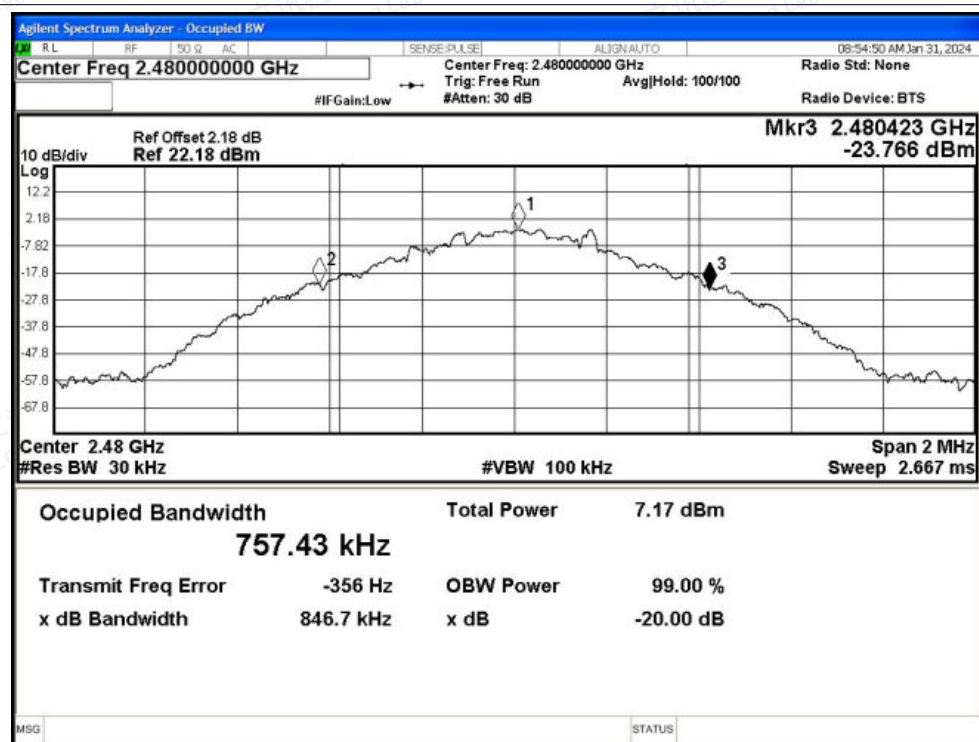
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

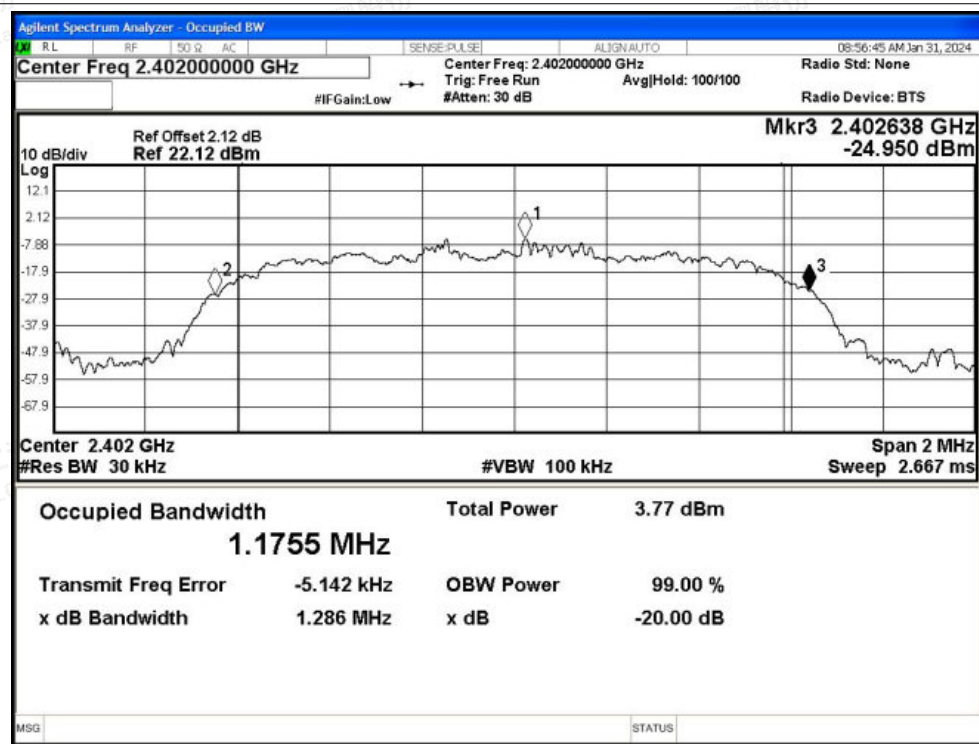
Scan code to check authenticity



-20dB Bandwidth NVNT 1-DH5 2480MHz Ant2



-20dB Bandwidth NVNT 2-DH5 2402MHz Ant2



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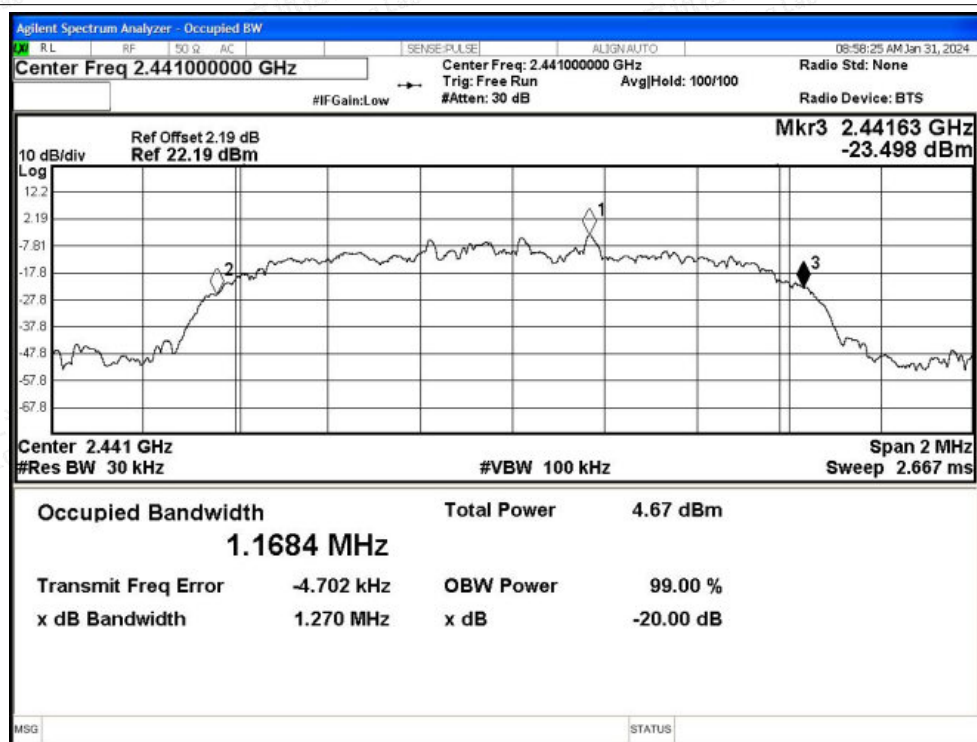
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

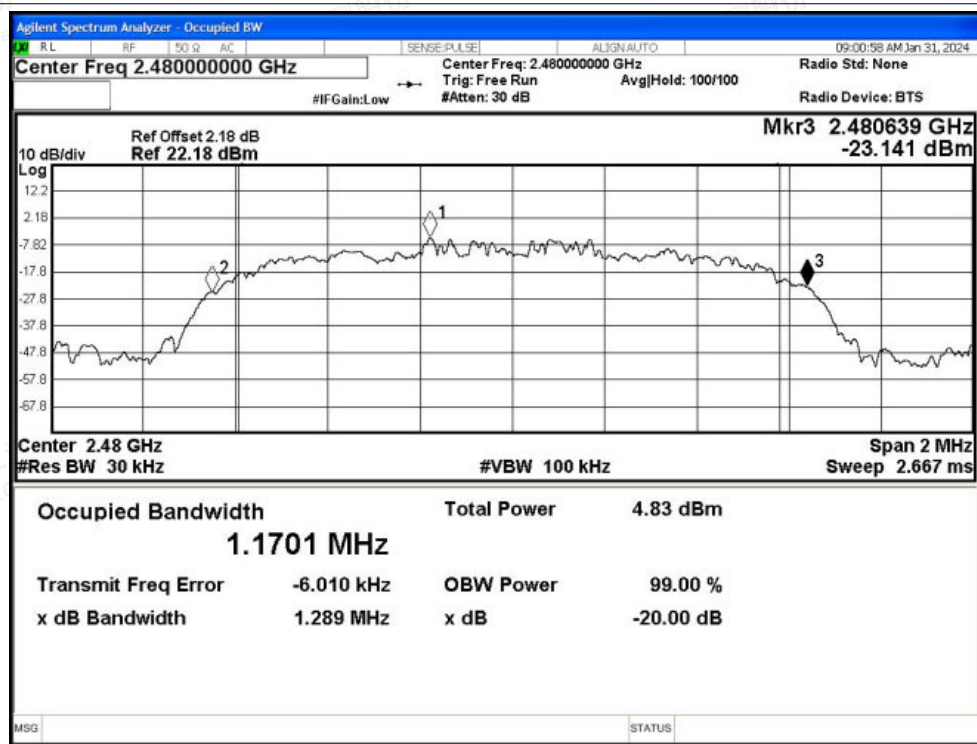
Scan code to check authenticity



-20dB Bandwidth NVNT 2-DH5 2441MHz Ant2



-20dB Bandwidth NVNT 2-DH5 2480MHz Ant2



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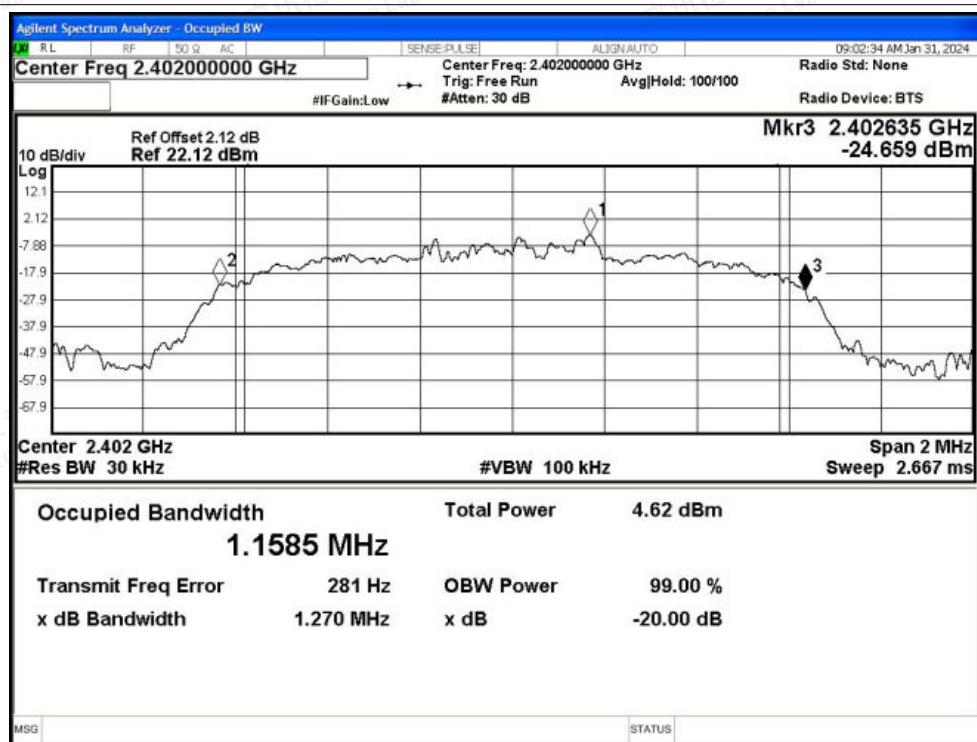
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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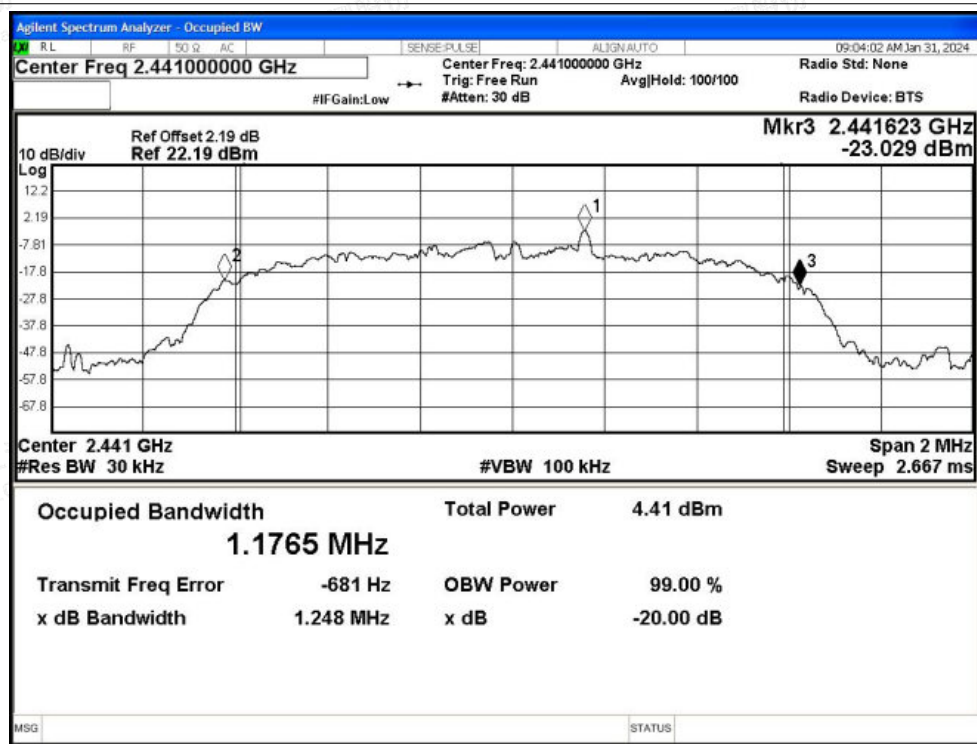
Scan code to check authenticity



-20dB Bandwidth NVNT 3-DH5 2402MHz Ant2



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant2



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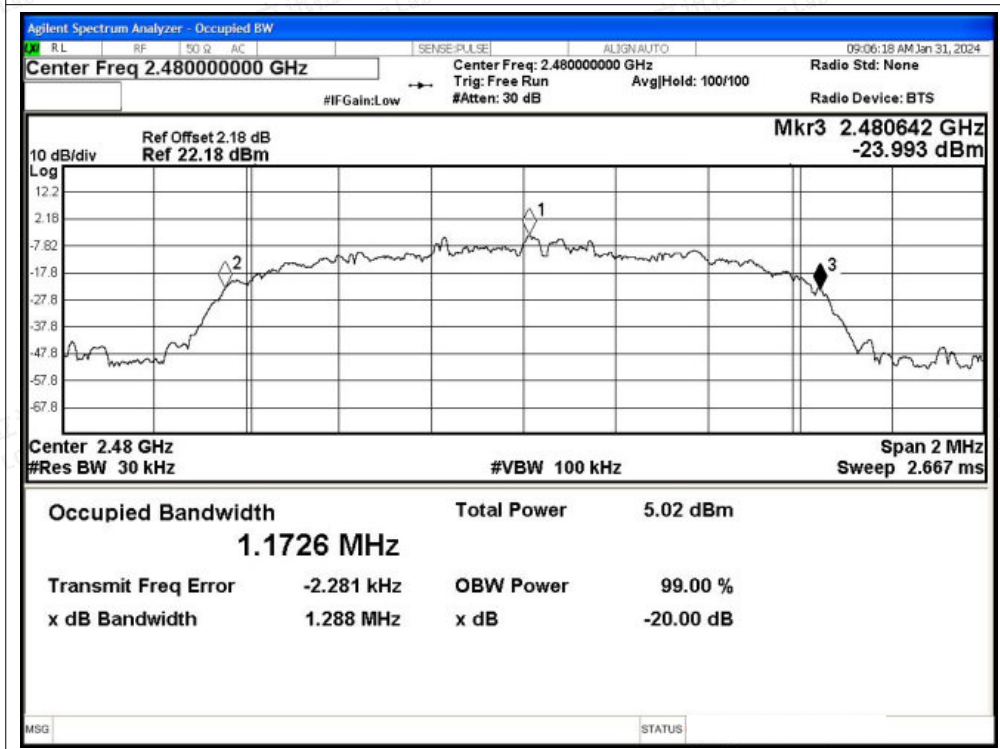
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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-20dB Bandwidth NVNT 3-DH5 2480MHz Ant2





A.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant2	0.34	21	Pass
NVNT	1-DH5	2441	Ant2	0.8	21	Pass
NVNT	1-DH5	2480	Ant2	1.04	21	Pass
NVNT	2-DH5	2402	Ant2	-0.47	21	Pass
NVNT	2-DH5	2441	Ant2	0	21	Pass
NVNT	2-DH5	2480	Ant2	0.26	21	Pass
NVNT	3-DH5	2402	Ant2	-0.55	21	Pass
NVNT	3-DH5	2441	Ant2	-0.05	21	Pass
NVNT	3-DH5	2480	Ant2	0.24	21	Pass



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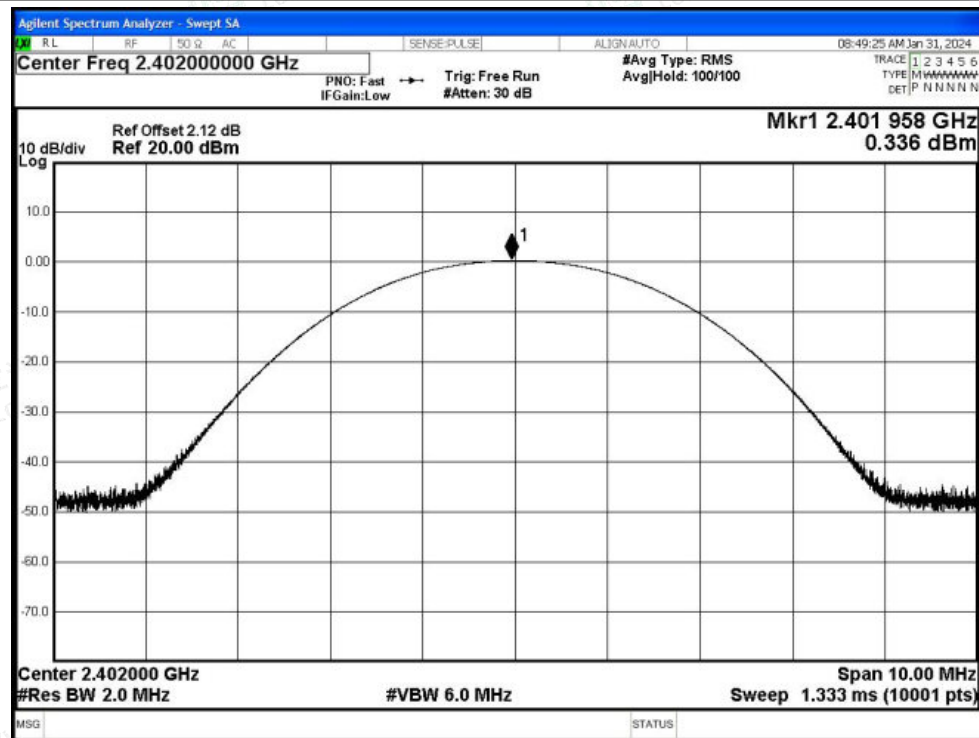
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

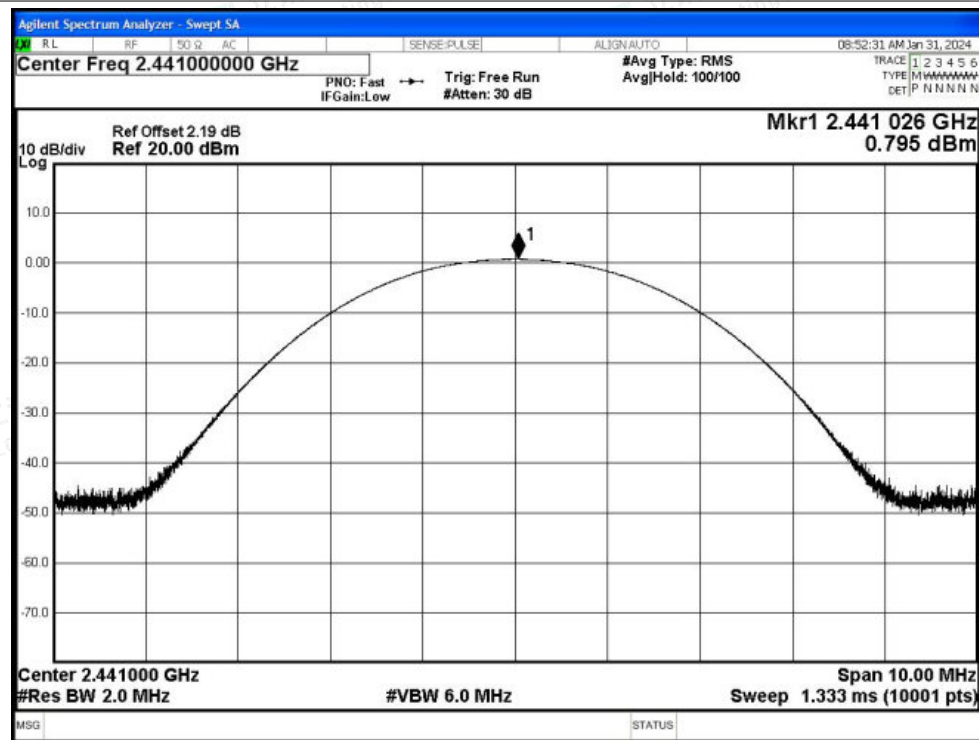


Test Graphs

Power NVNT 1-DH5 2402MHz Ant2

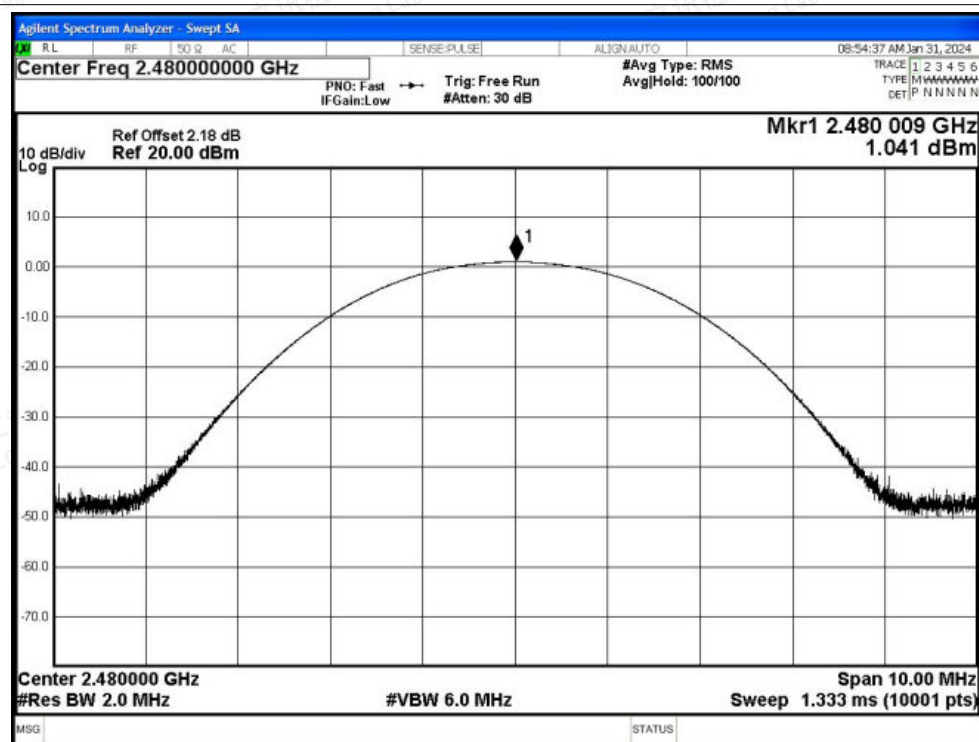


Power NVNT 1-DH5 2441MHz Ant2

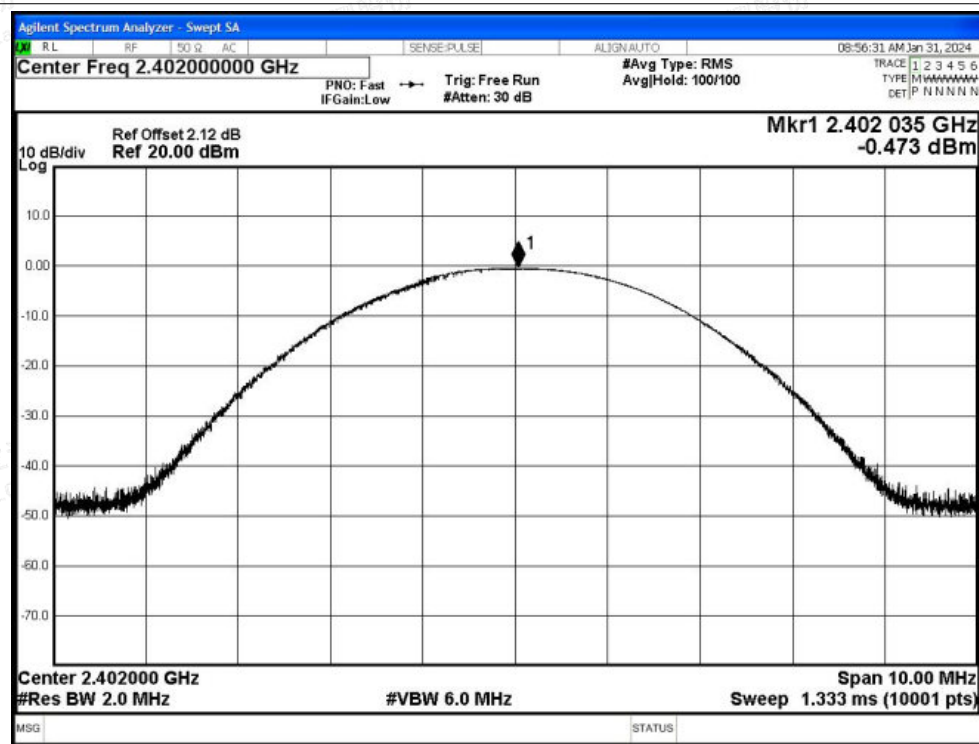




Power NVNT 1-DH5 2480MHz Ant2



Power NVNT 2-DH5 2402MHz Ant2



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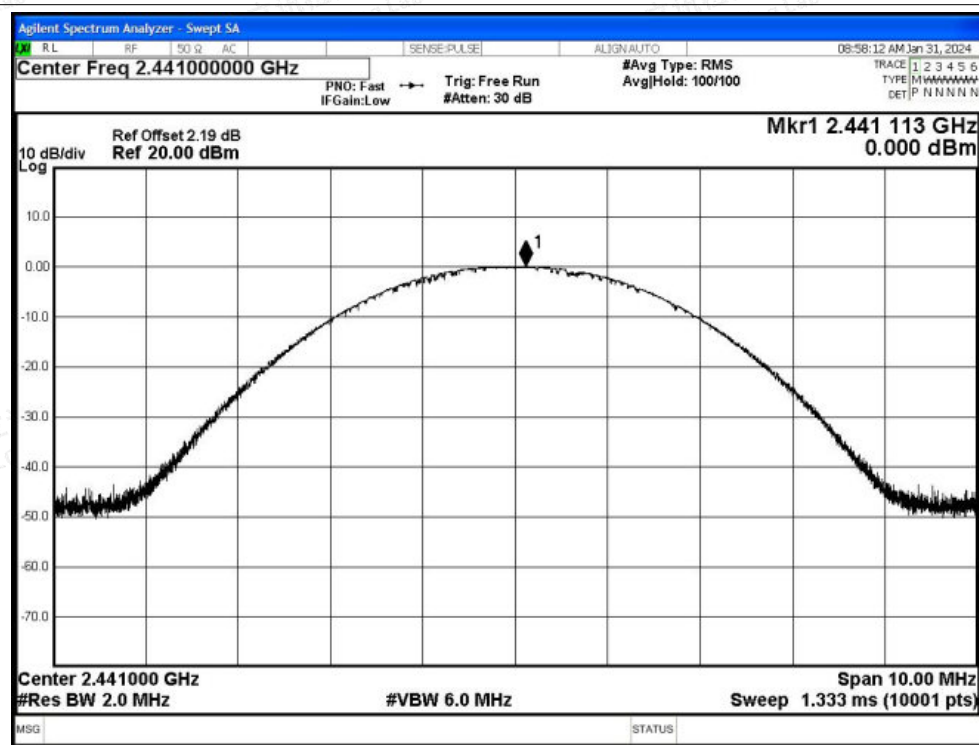
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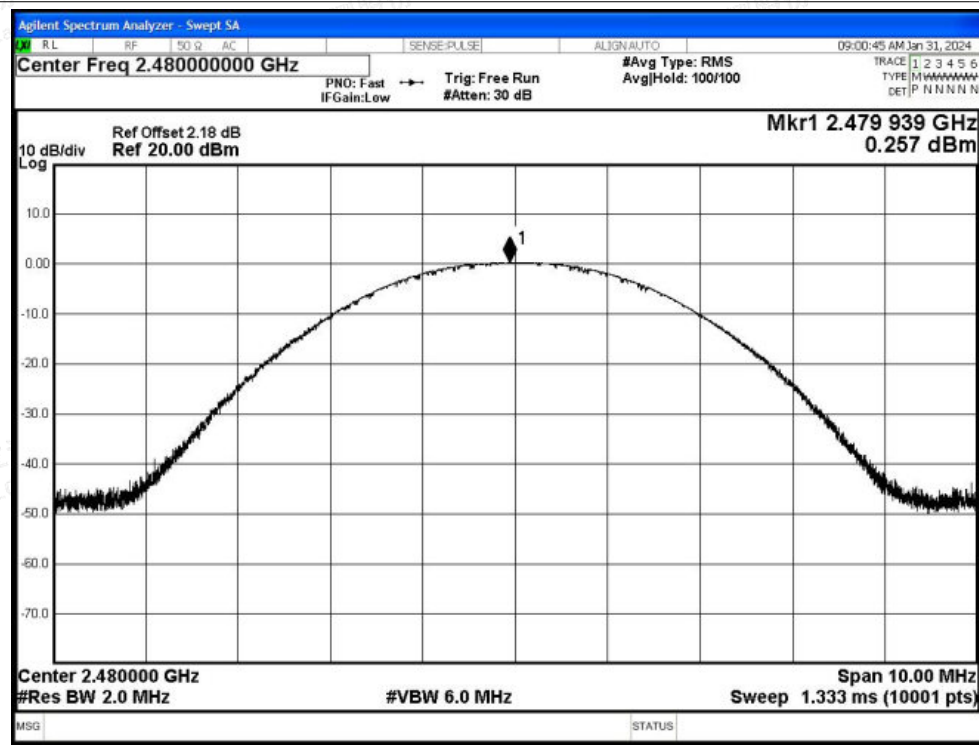
Scan code to check authenticity



Power NVNT 2-DH5 2441MHz Ant2

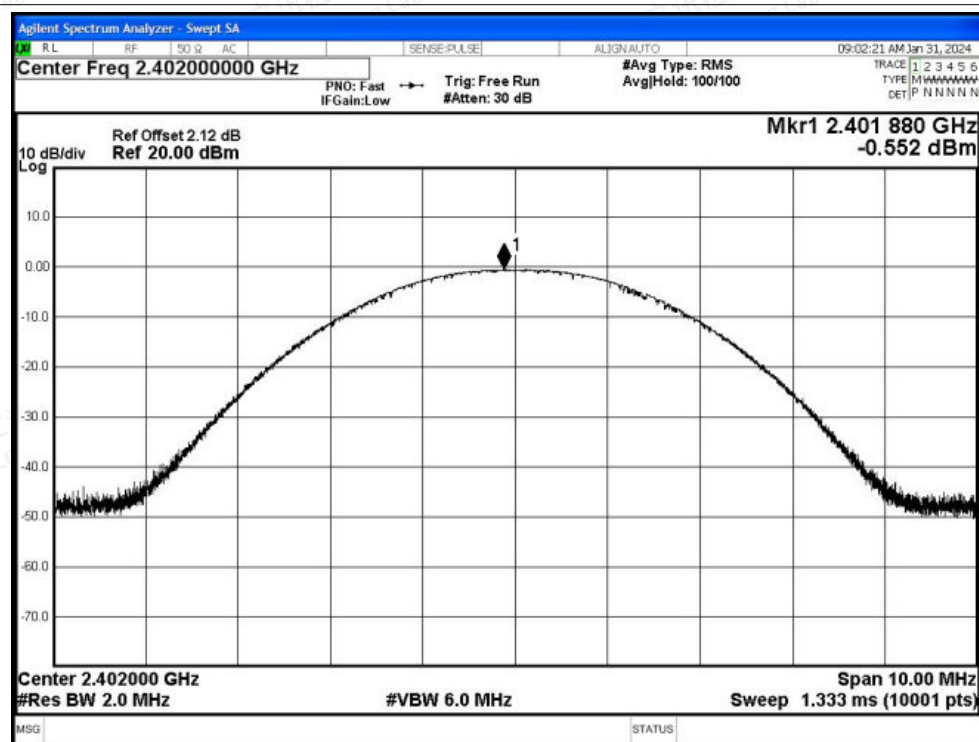


Power NVNT 2-DH5 2480MHz Ant2

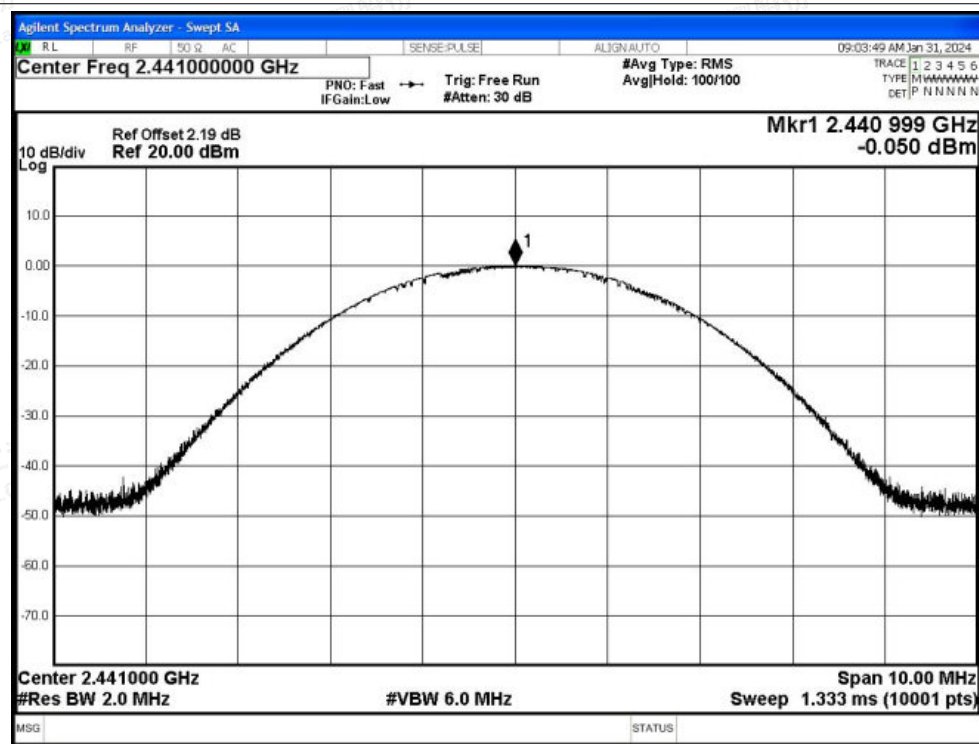




Power NVNT 3-DH5 2402MHz Ant2

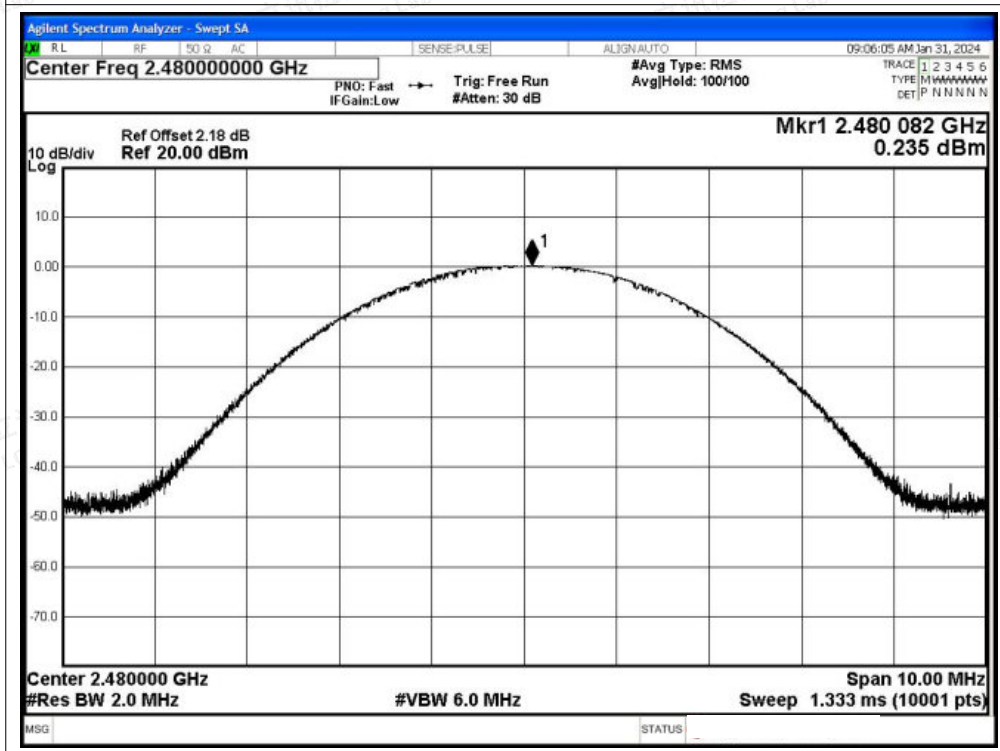


Power NVNT 3-DH5 2441MHz Ant2





Power NVNT 3-DH5 2480MHz Ant2





A.3 Carrier Frequencies Separation

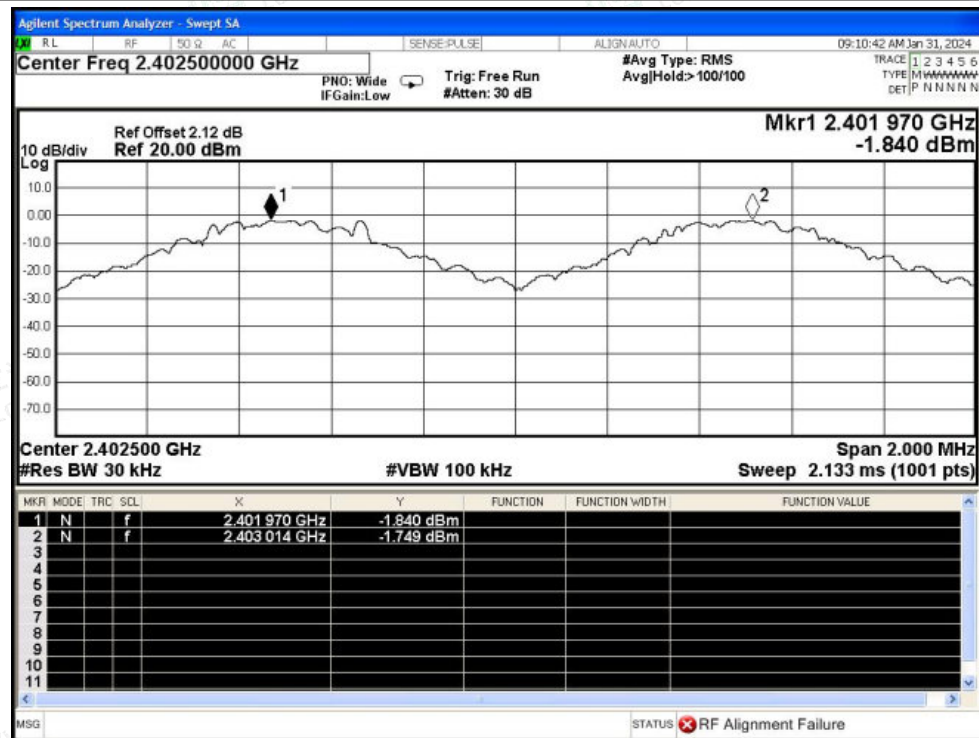
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant2	2401.97	2403.014	1.044	0.571	Pass
NVNT	2-DH5	Ant2	2402.162	2403.16	0.998	0.859	Pass
NVNT	3-DH5	Ant2	2402.16	2403.162	1.002	0.859	Pass



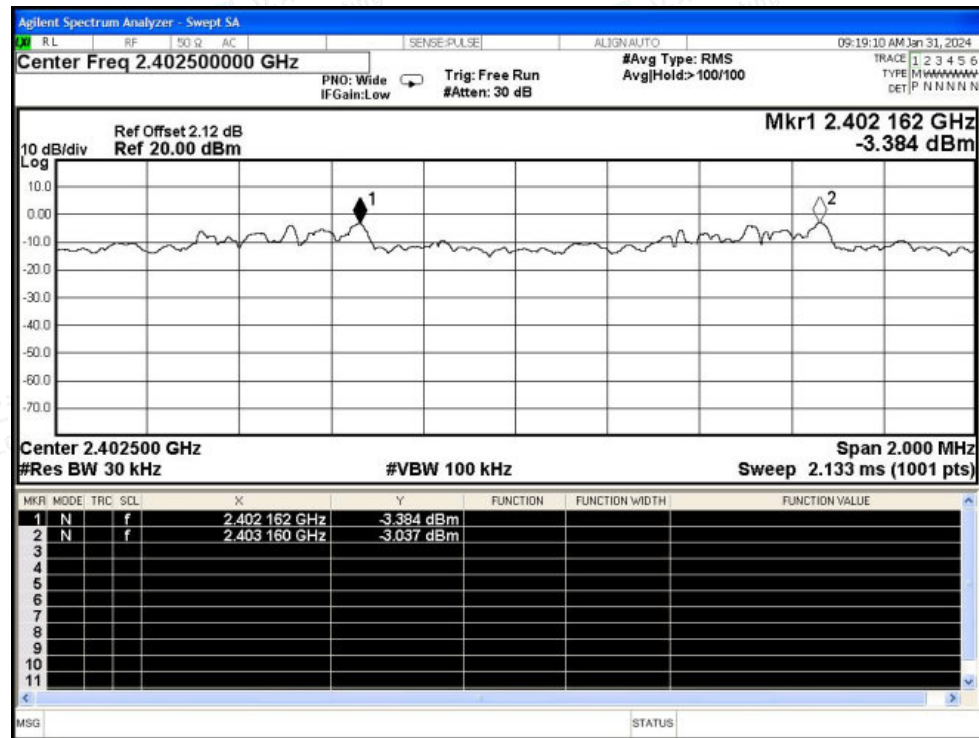


Test Graphs

CFS NVNT 1-DH5 2402MHz Ant2



CFS NVNT 2-DH5 2402MHz Ant2



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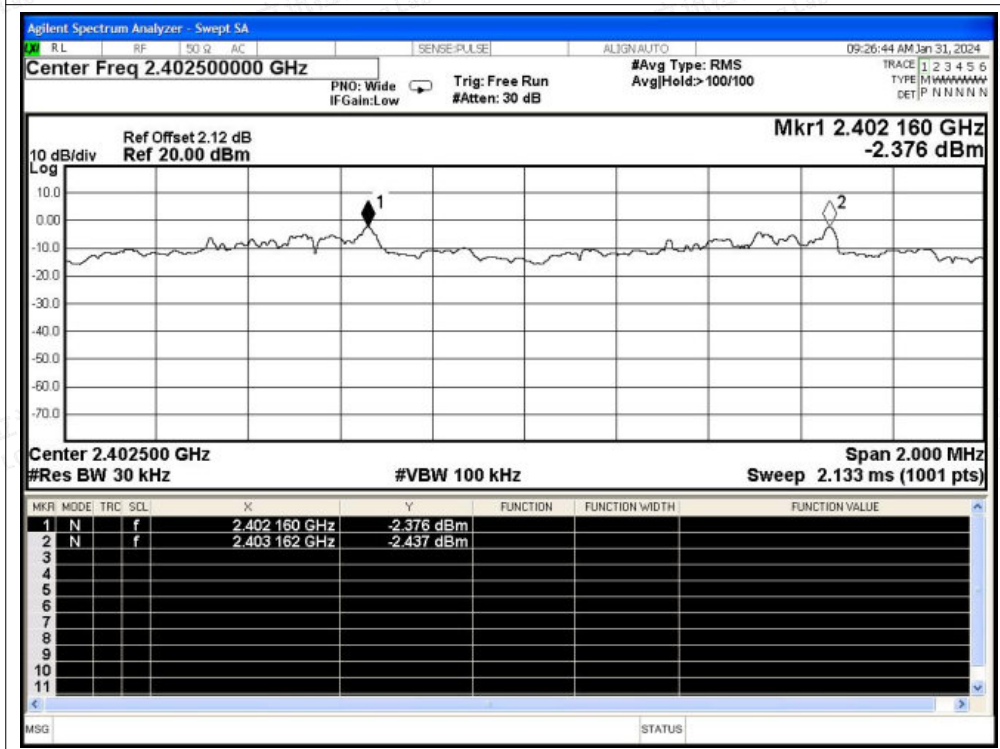
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CFS NVNT 3-DH5 2402MHz Ant2



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A.4 Dwell Time

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant2	2.882	308.374	107	31600	400	Pass
NVNT	2-DH5	2402	Ant2	2.88	276.48	96	31600	400	Pass
NVNT	3-DH5	2402	Ant2	2.887	314.683	109	31600	400	Pass



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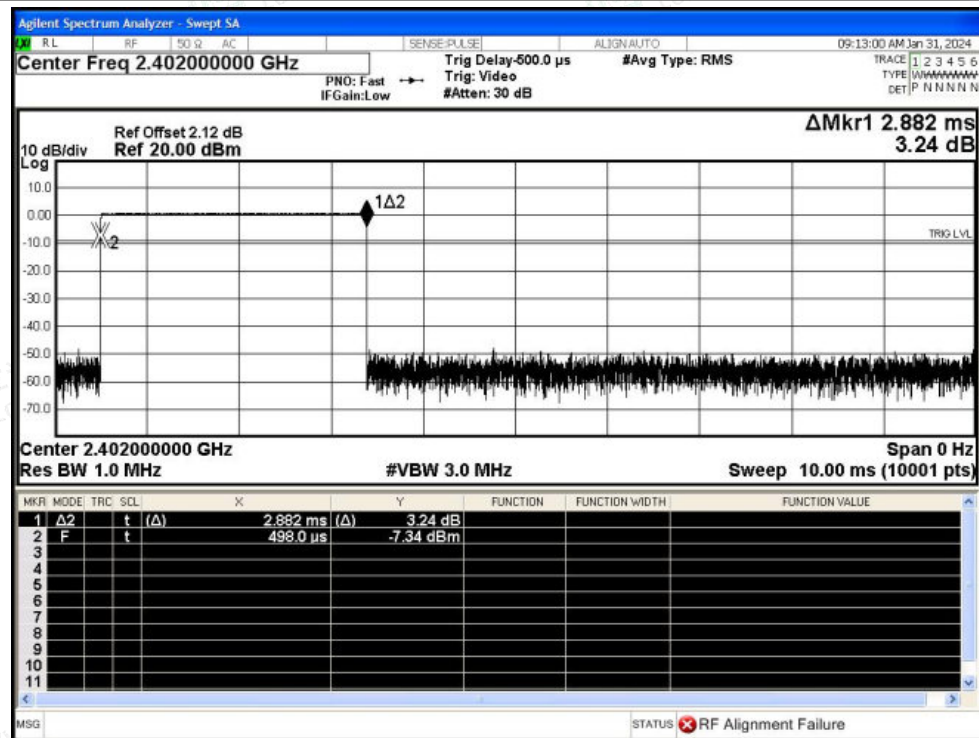
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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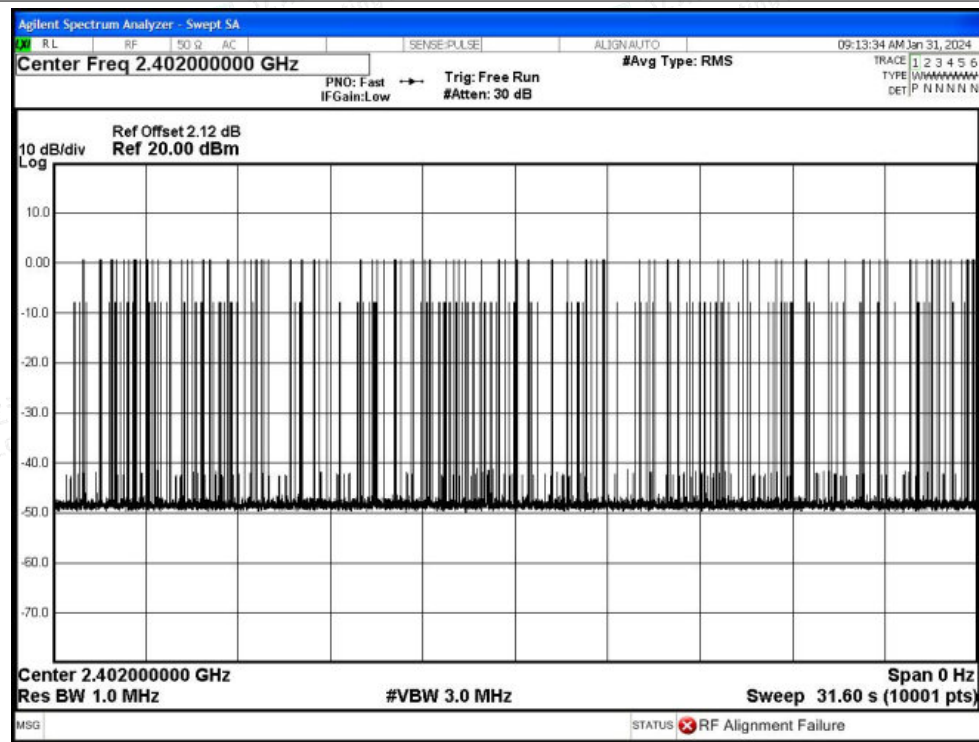


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant2 One Burst



Dwell NVNT 1-DH5 2402MHz Ant2 Accumulated



Shenzhen LCS Compliance Testing Laboratory Ltd.

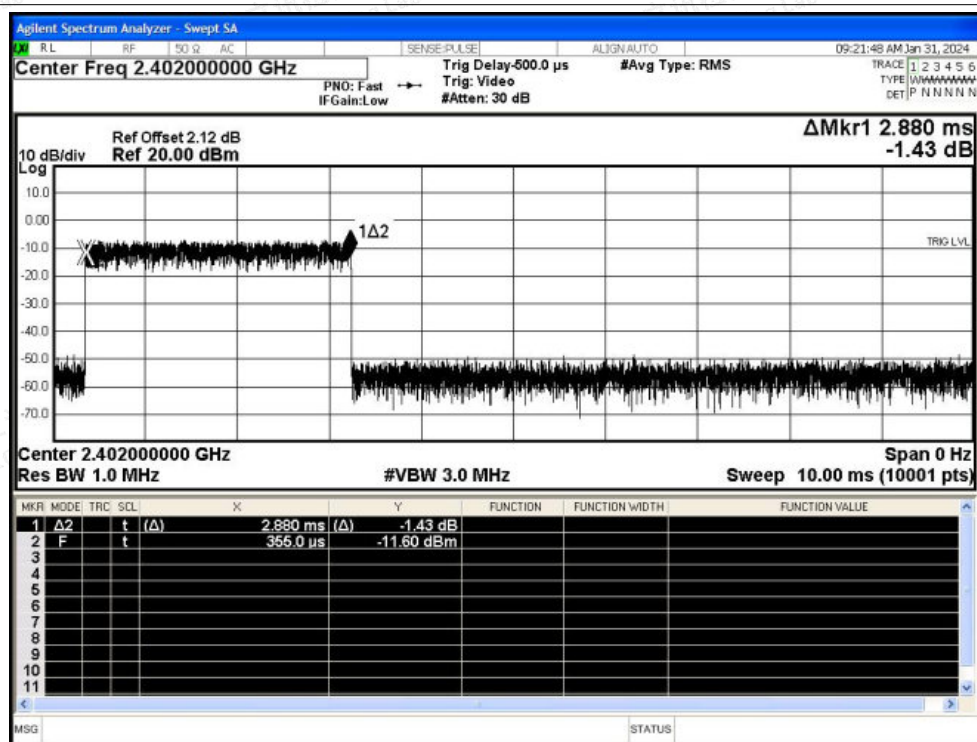
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

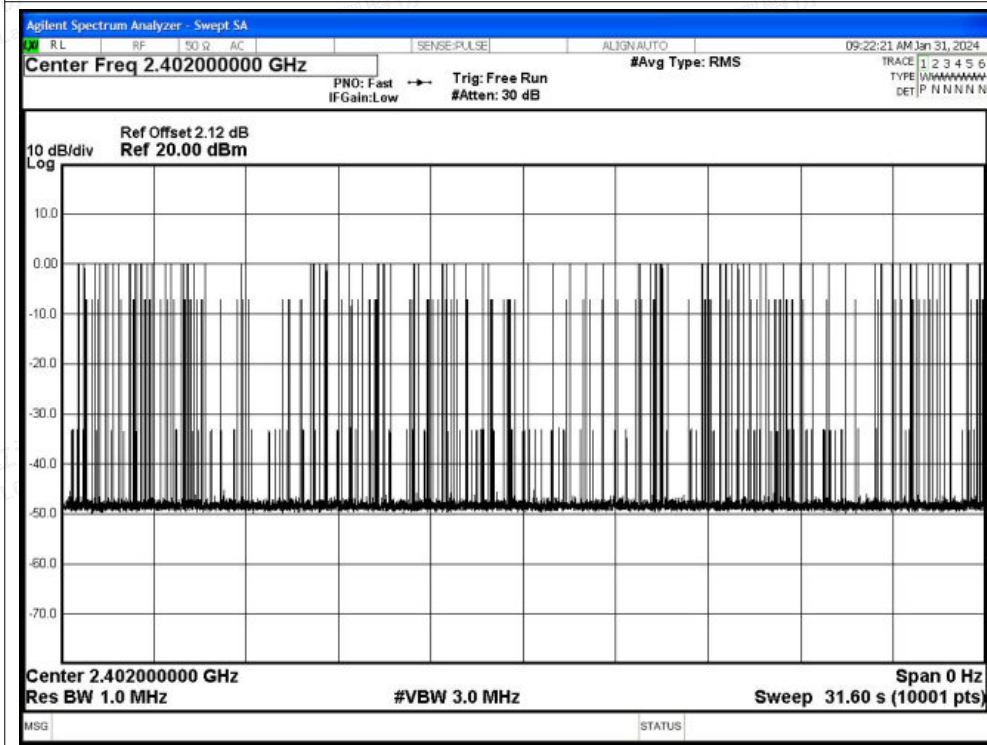
Scan code to check authenticity



Dwell NVNT 2-DH5 2402MHz Ant2 One Burst



Dwell NVNT 2-DH5 2402MHz Ant2 Accumulated



Shenzhen LCS Compliance Testing Laboratory Ltd.

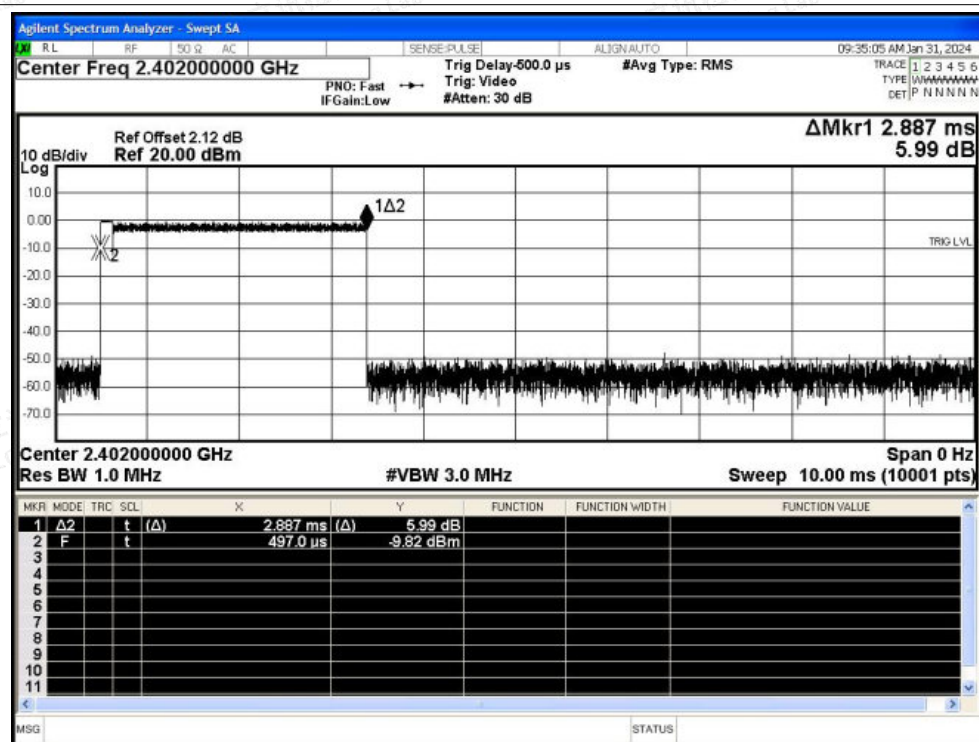
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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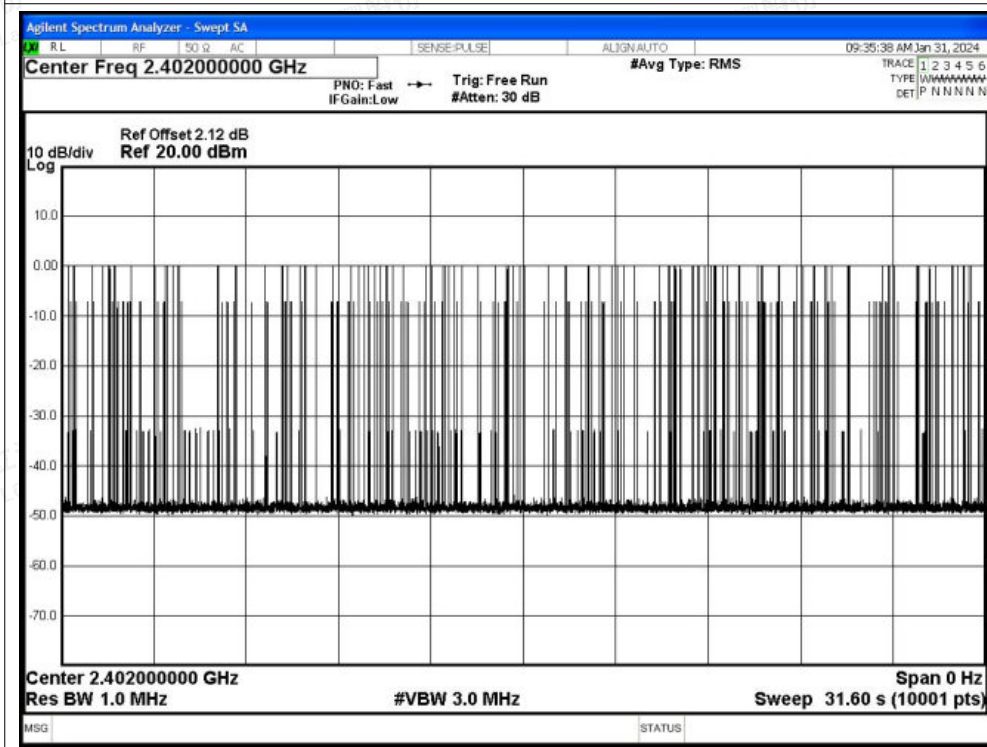
Scan code to check authenticity



Dwell NVNT 3-DH5 2402MHz Ant2 One Burst



Dwell NVNT 3-DH5 2402MHz Ant2 Accumulated



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A.5 Number of Hopping Channel

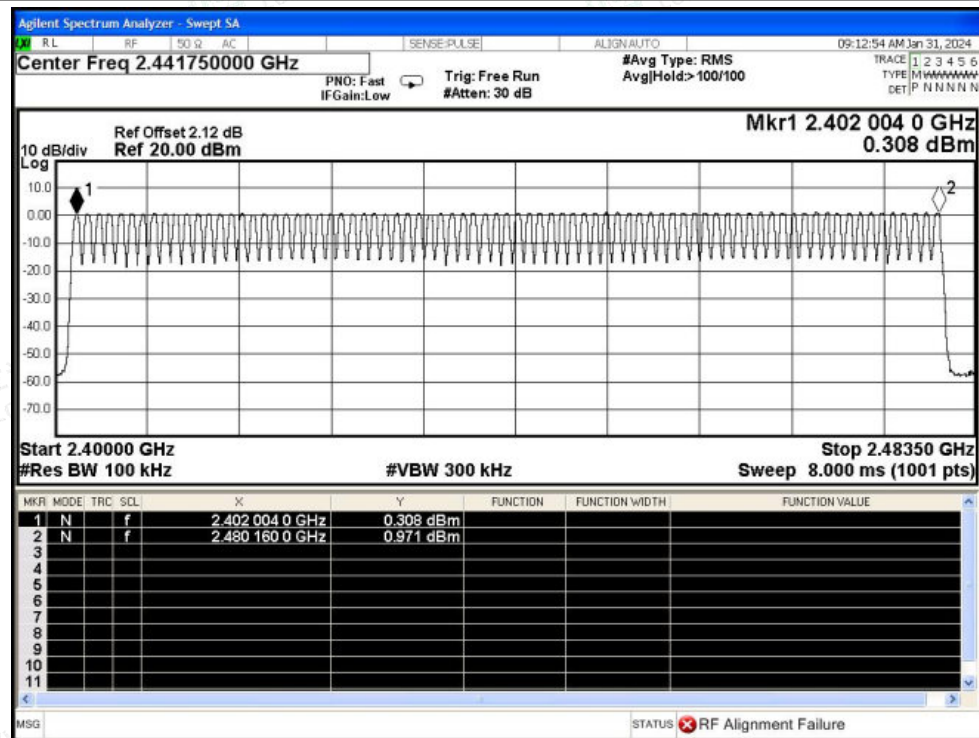
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant2	79	15	Pass
NVNT	2-DH5	Ant2	79	15	Pass
NVNT	3-DH5	Ant2	79	15	Pass



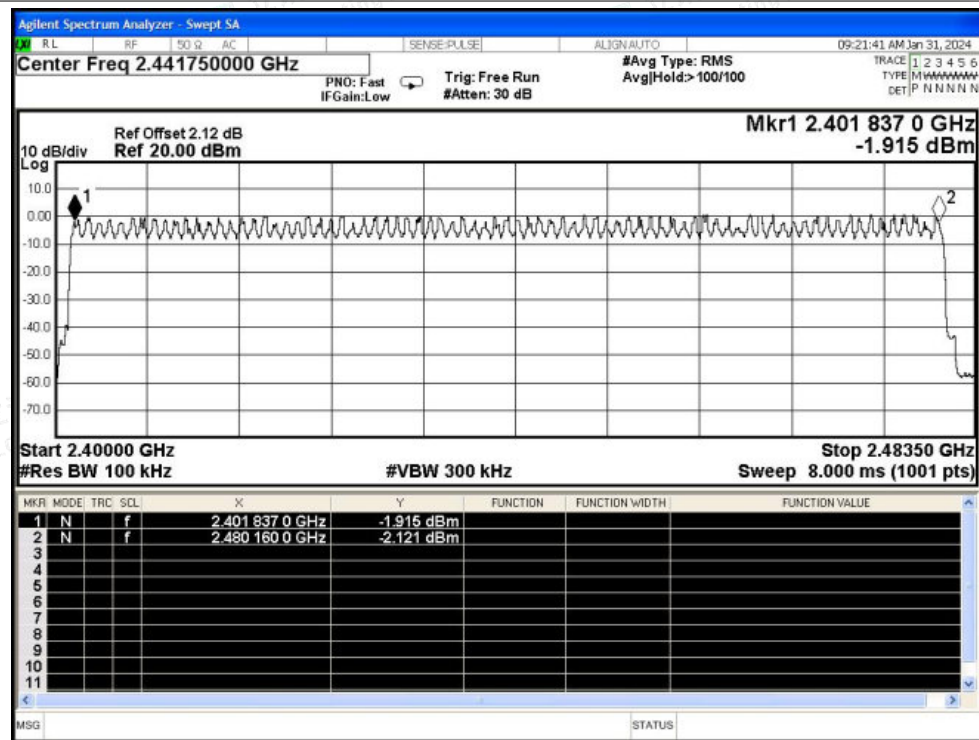


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant2



Hopping No. NVNT 2-DH5 2402MHz Ant2



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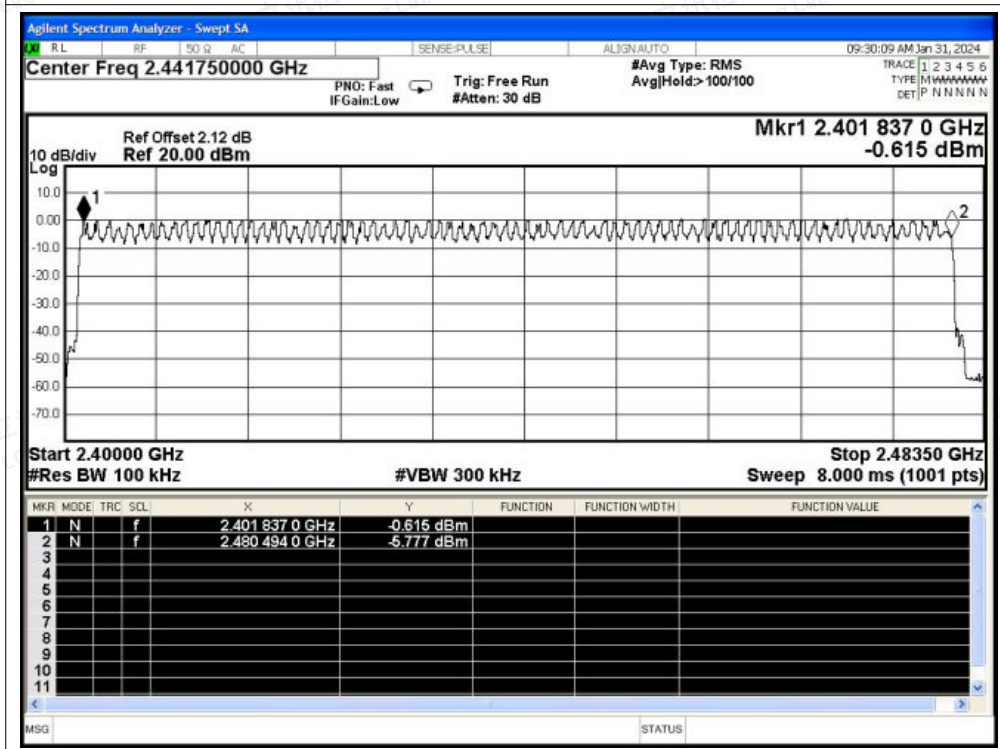
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Hopping No. NVNT 3-DH5 2402MHz Ant2



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A.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant2	No-Hopping	-56.84	-20	Pass
NVNT	1-DH5	2480	Ant2	No-Hopping	-57.12	-20	Pass
NVNT	2-DH5	2402	Ant2	No-Hopping	-54.61	-20	Pass
NVNT	2-DH5	2480	Ant2	No-Hopping	-56.62	-20	Pass
NVNT	3-DH5	2402	Ant2	No-Hopping	-55.16	-20	Pass
NVNT	3-DH5	2480	Ant2	No-Hopping	-56.04	-20	Pass



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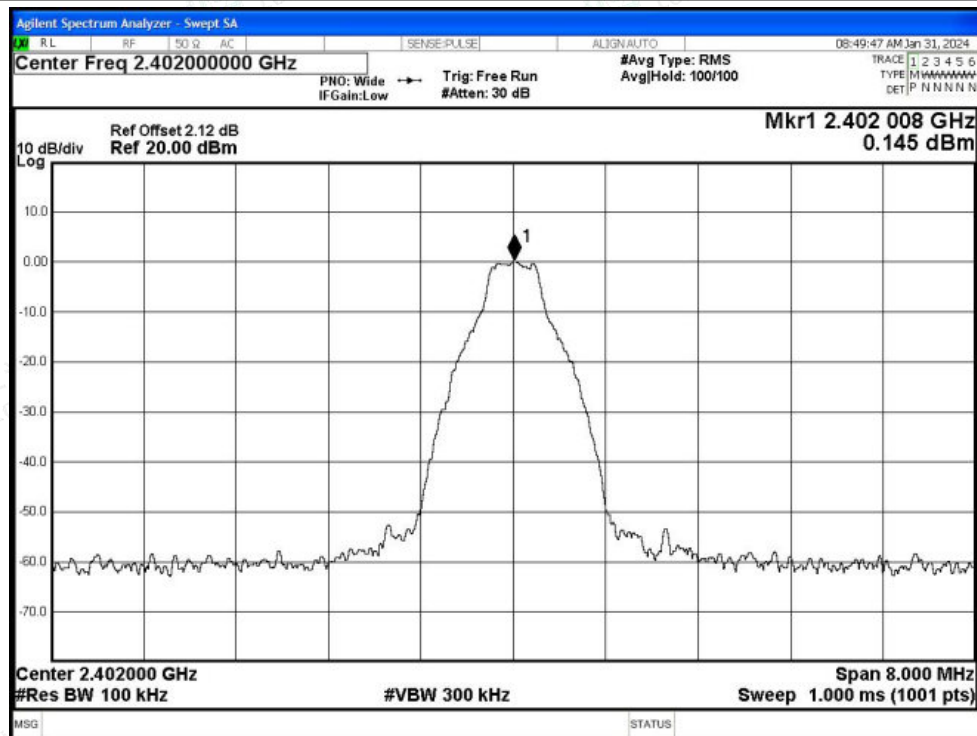
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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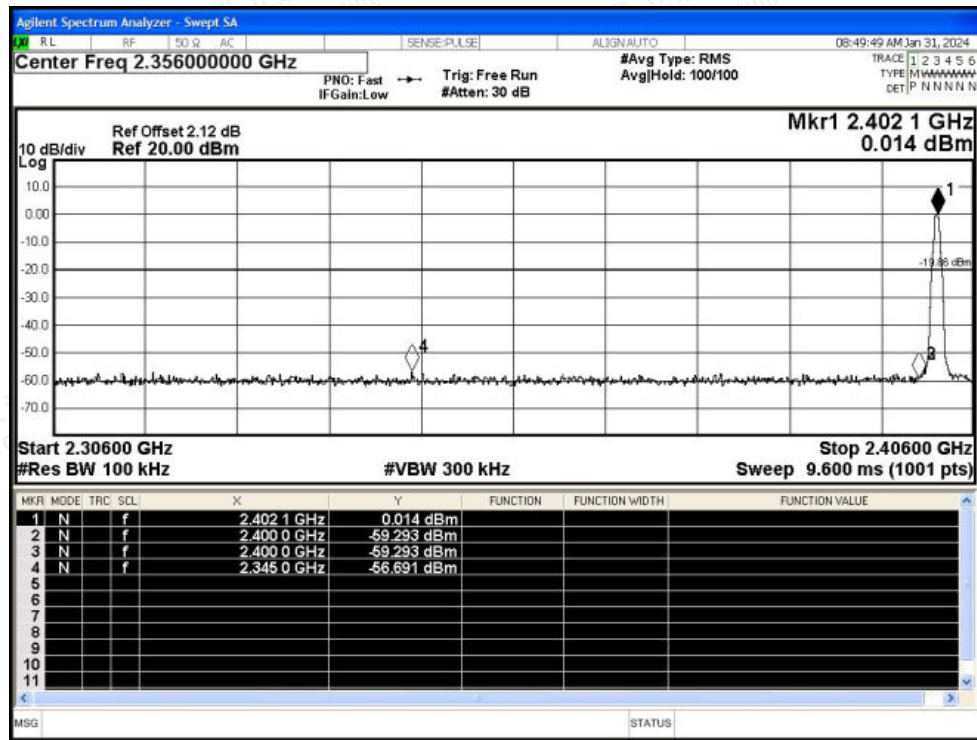


Test Graphs

Band Edge NVNT 1-DH5 2402MHz Ant2 No-Hopping Ref



Band Edge NVNT 1-DH5 2402MHz Ant2 No-Hopping Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

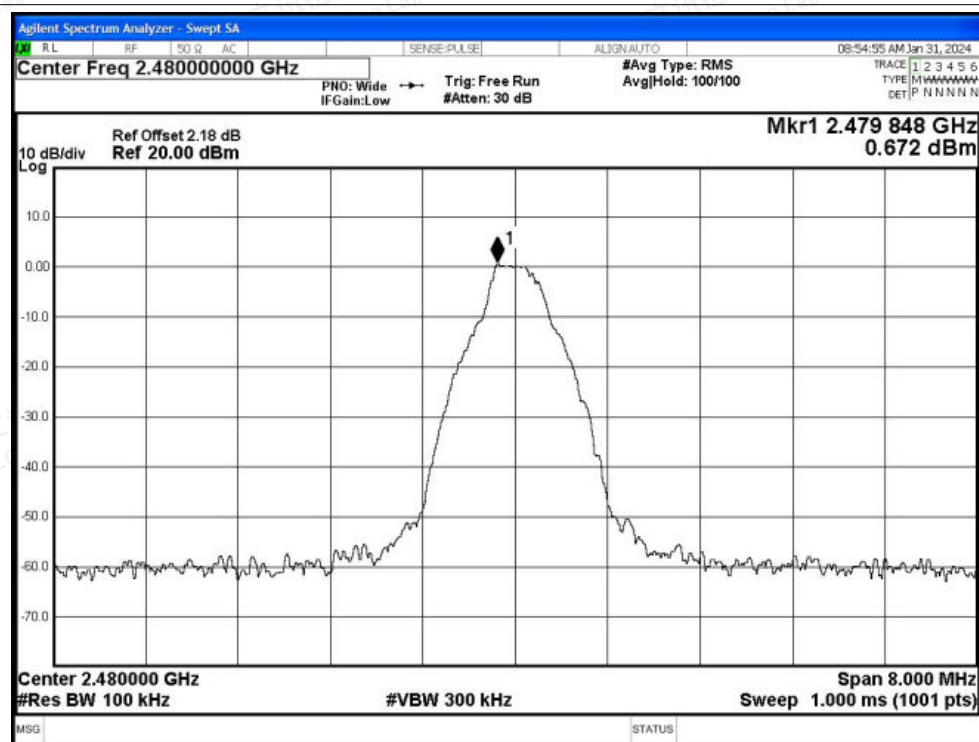
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

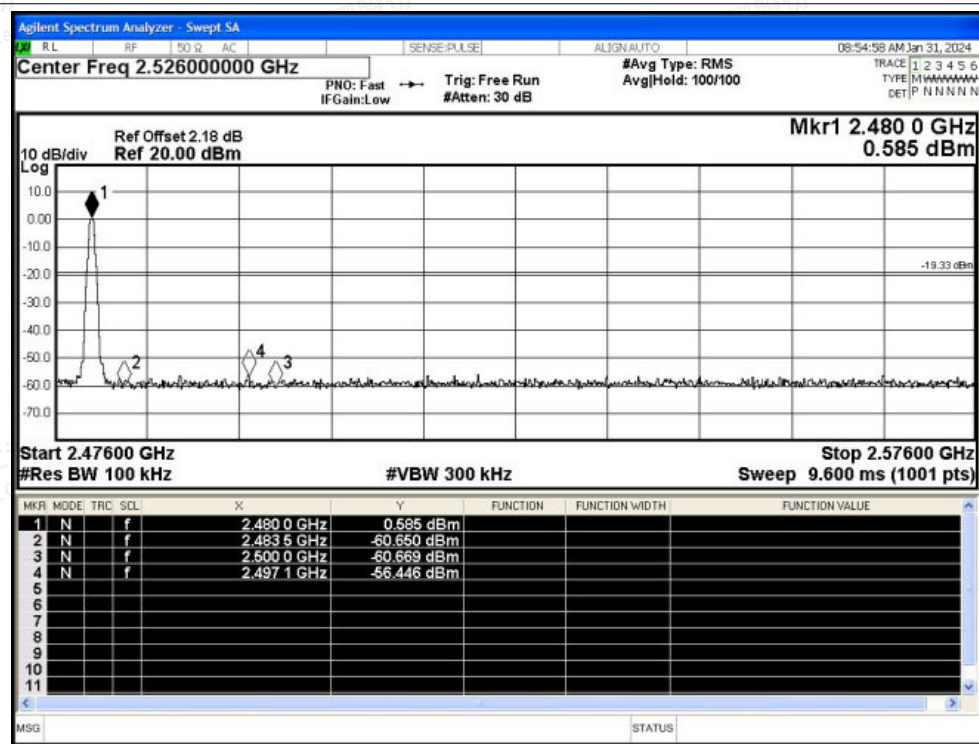
Scan code to check authenticity



Band Edge NVNT 1-DH5 2480MHz Ant2 No-Hopping Ref



Band Edge NVNT 1-DH5 2480MHz Ant2 No-Hopping Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

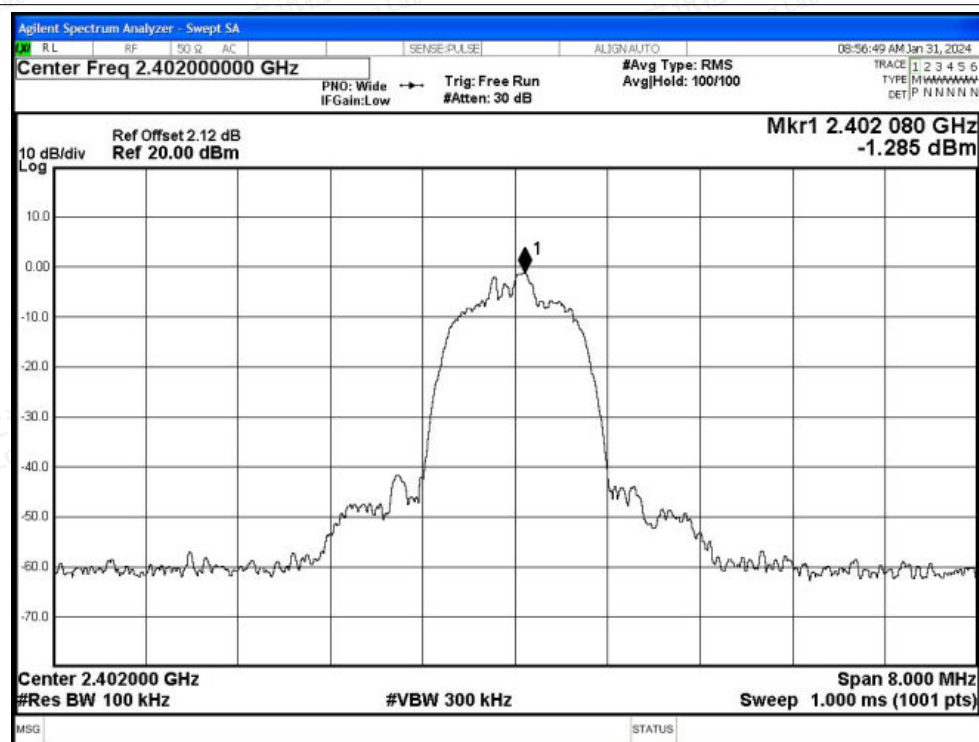
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

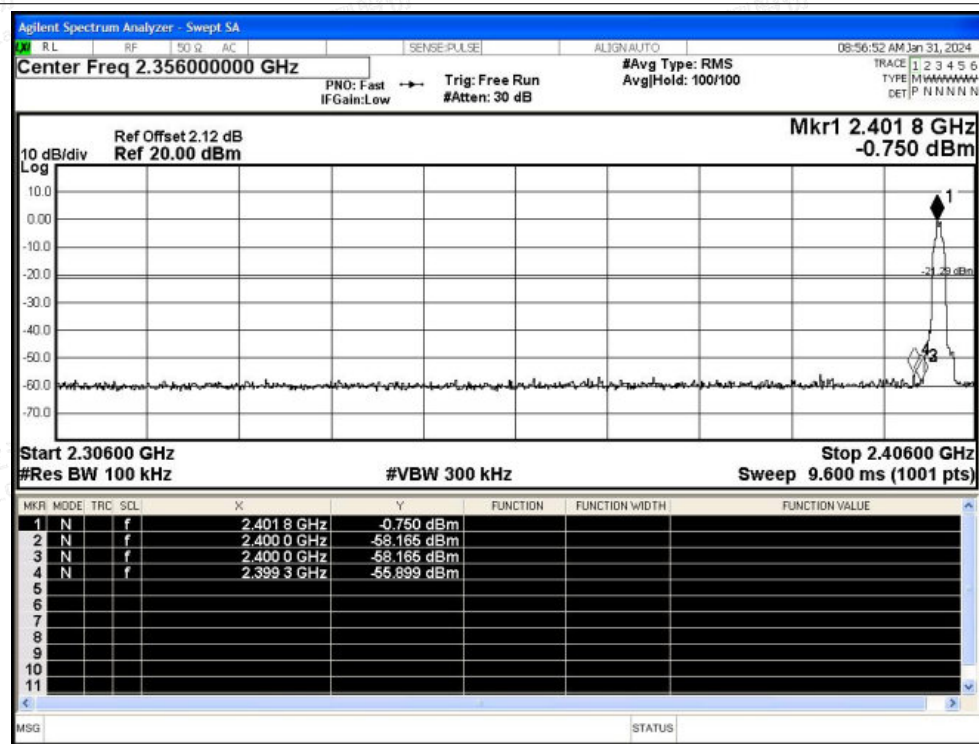
Scan code to check authenticity



Band Edge NVNT 2-DH5 2402MHz Ant2 No-Hopping Ref

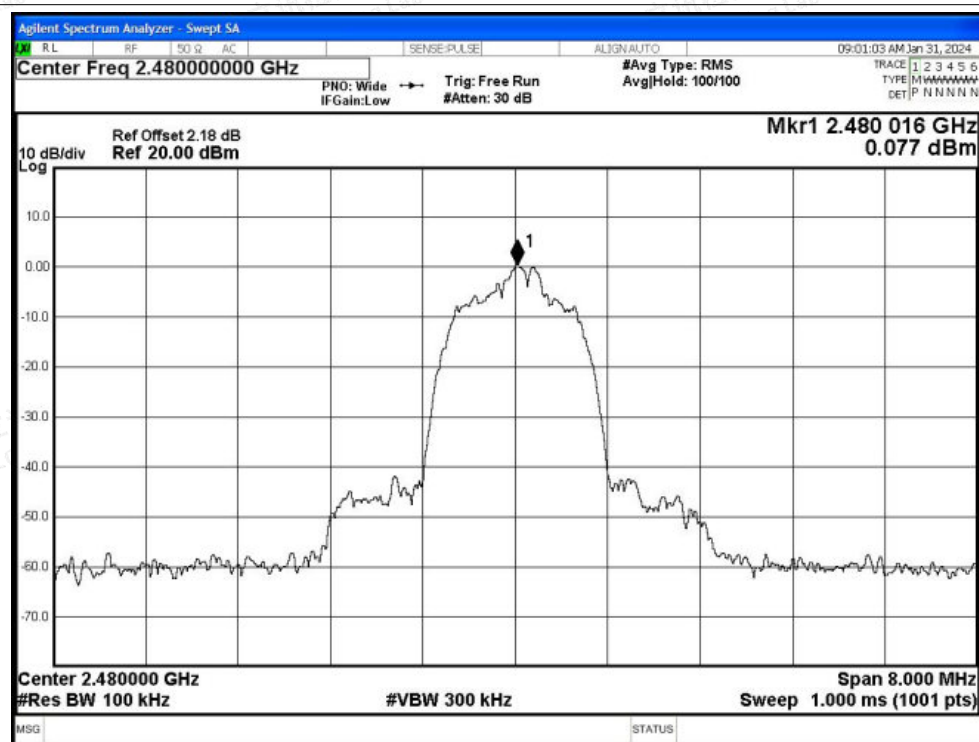


Band Edge NVNT 2-DH5 2402MHz Ant2 No-Hopping Emission

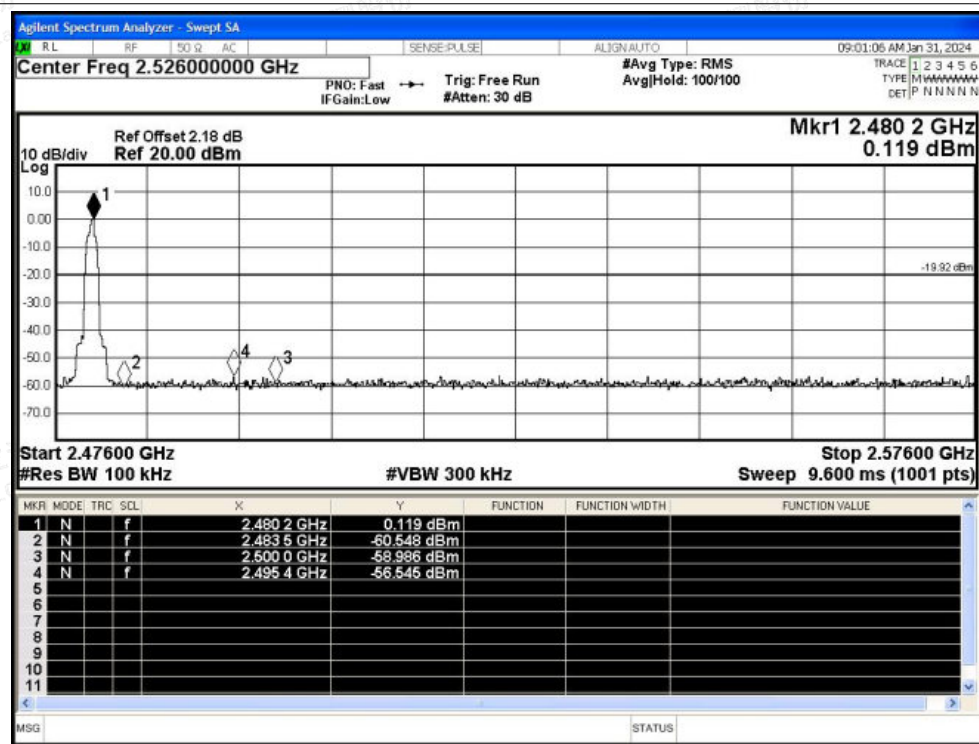




Band Edge NVNT 2-DH5 2480MHz Ant2 No-Hopping Ref



Band Edge NVNT 2-DH5 2480MHz Ant2 No-Hopping Emission



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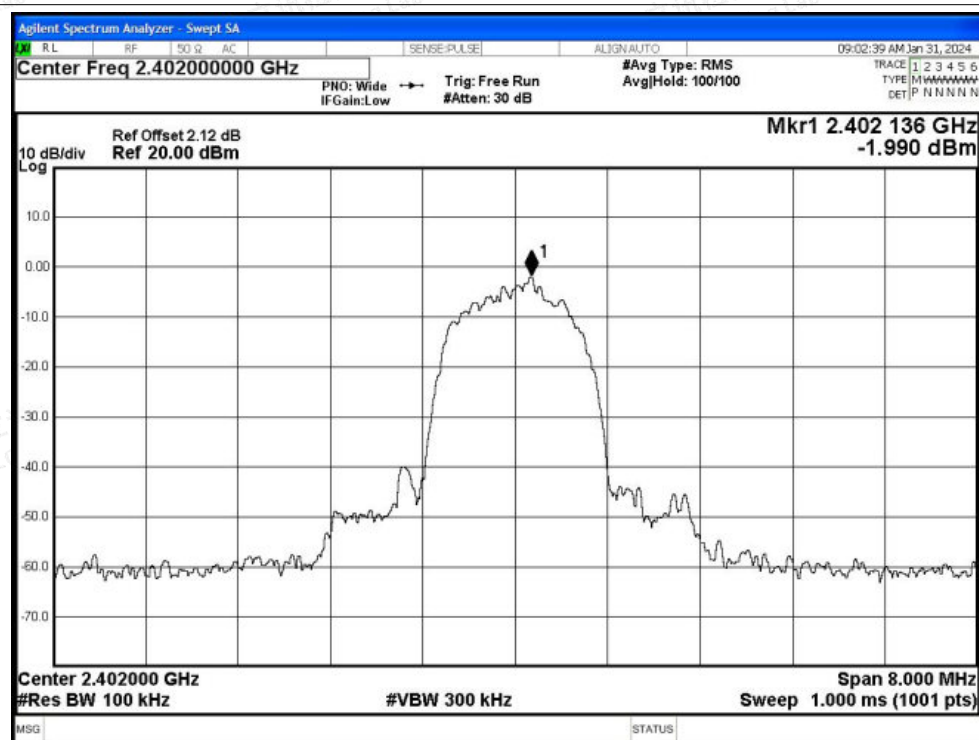
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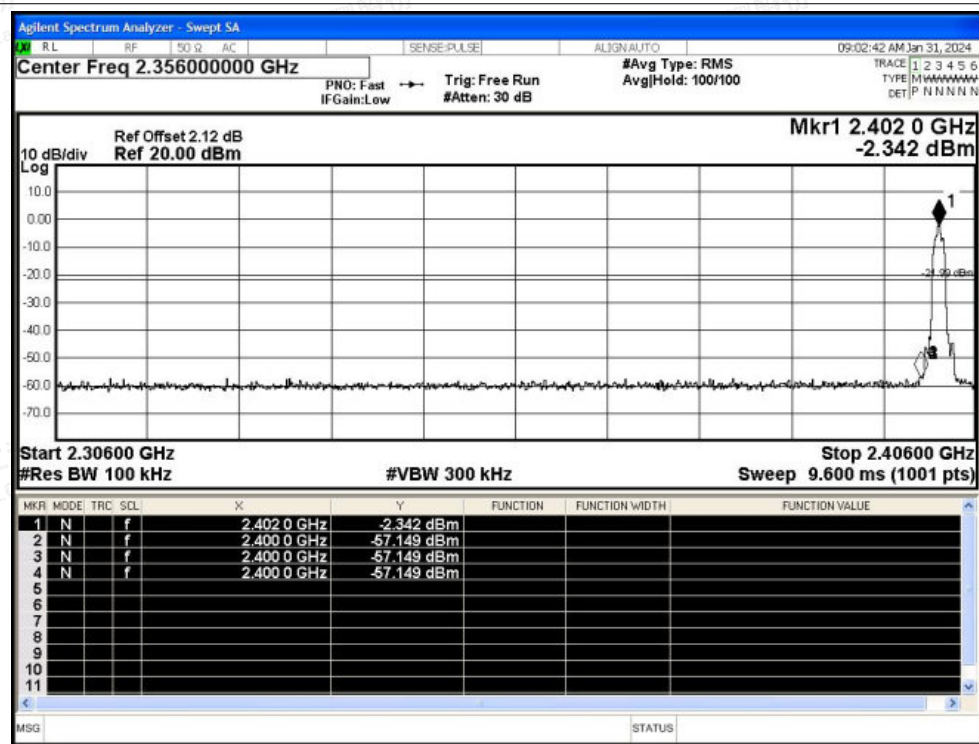
Scan code to check authenticity



Band Edge NVNT 3-DH5 2402MHz Ant2 No-Hopping Ref



Band Edge NVNT 3-DH5 2402MHz Ant2 No-Hopping Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

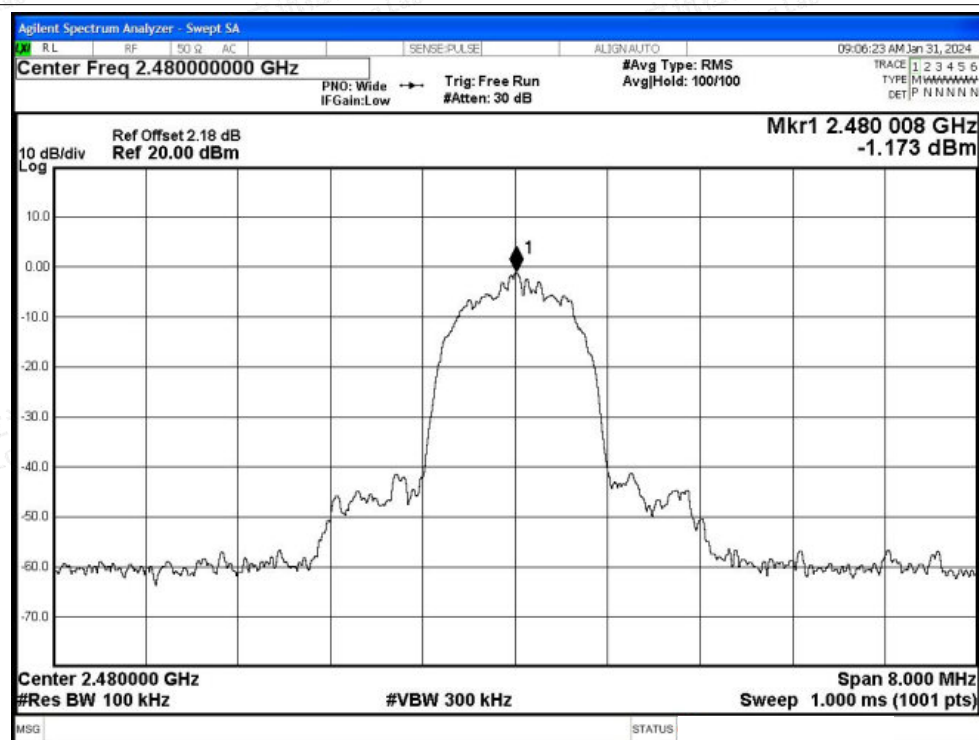
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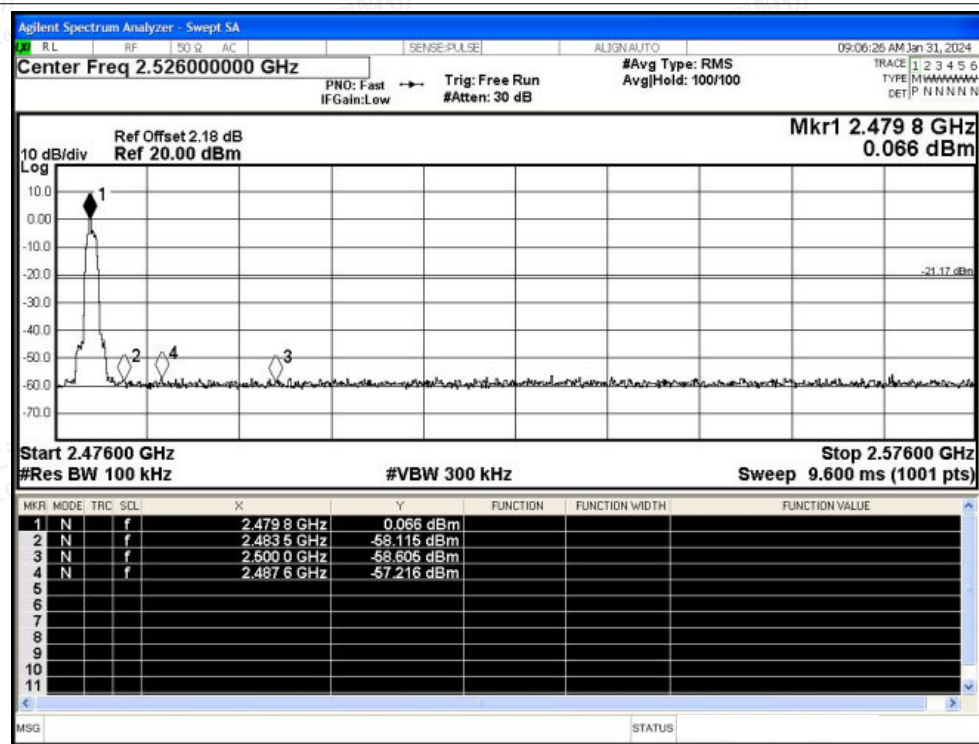
Scan code to check authenticity



Band Edge NVNT 3-DH5 2480MHz Ant2 No-Hopping Ref



Band Edge NVNT 3-DH5 2480MHz Ant2 No-Hopping Emission



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