



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Tablet PC

Test Model: VK-TM102-U

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng <i>Nick Peng</i>
Supervised by:	Ling Zhu <i>Ling Zhu</i>



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A.1 -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1.022	N/A	Pass
NVNT	1-DH5	2441	Ant1	1.017	N/A	Pass
NVNT	1-DH5	2480	Ant1	1.025	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.308	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.289	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.303	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.305	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.31	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.295	N/A	Pass



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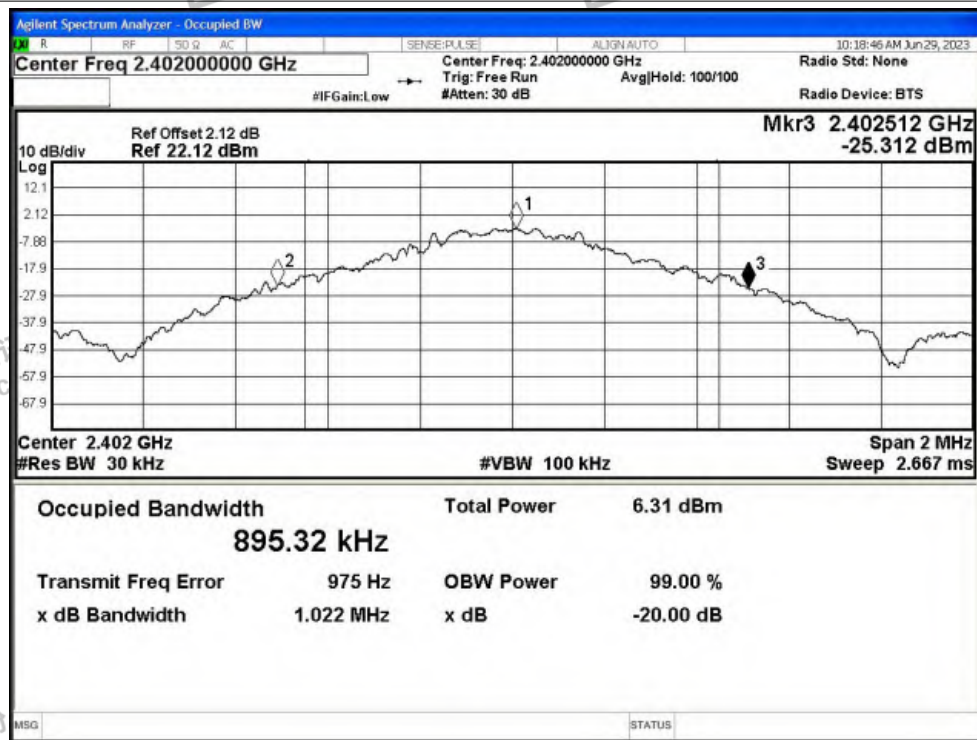
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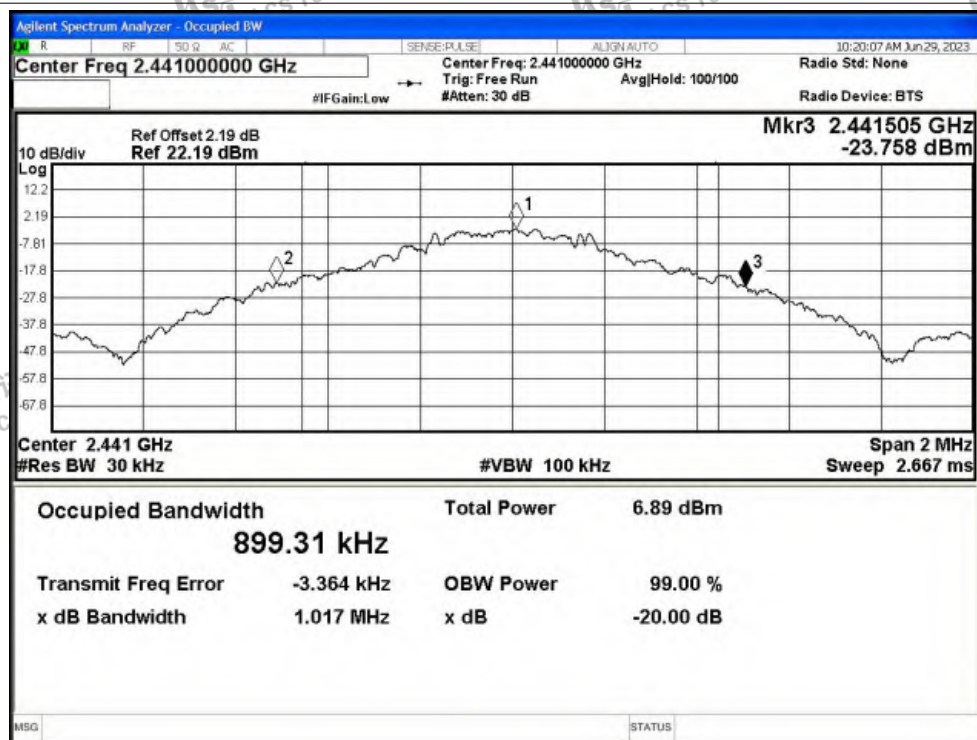


Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



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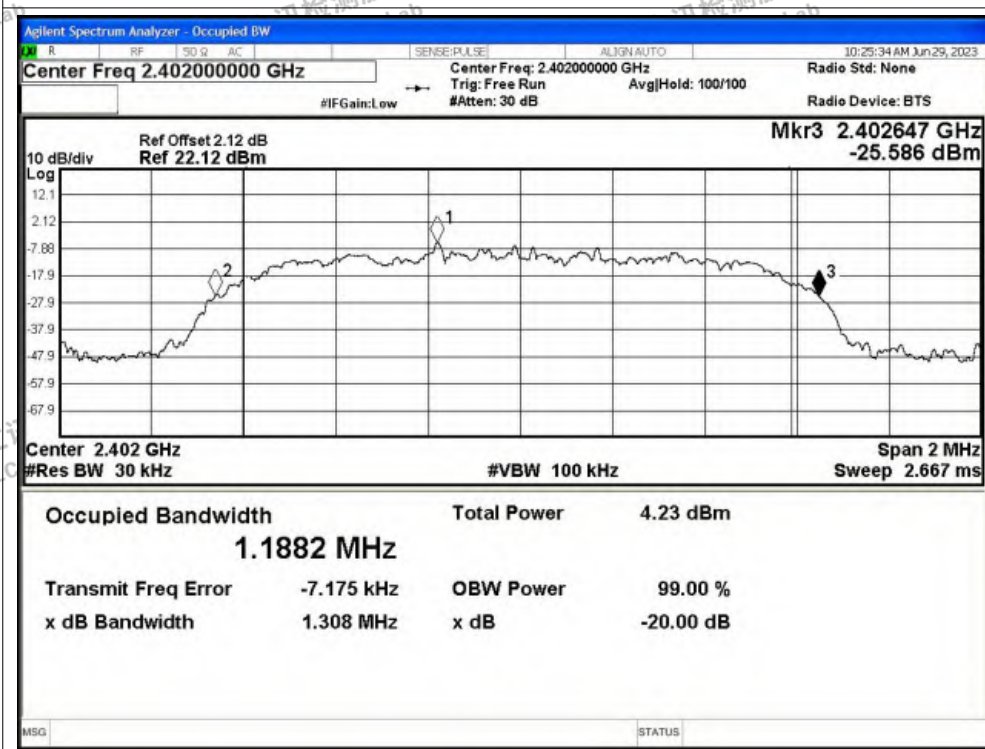
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-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



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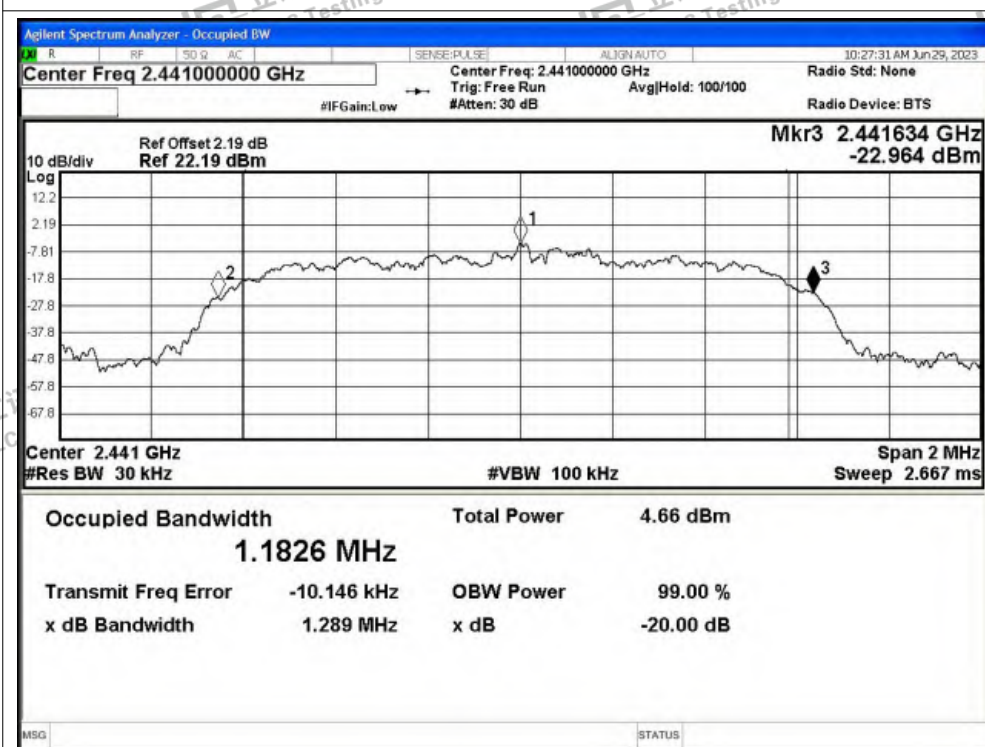
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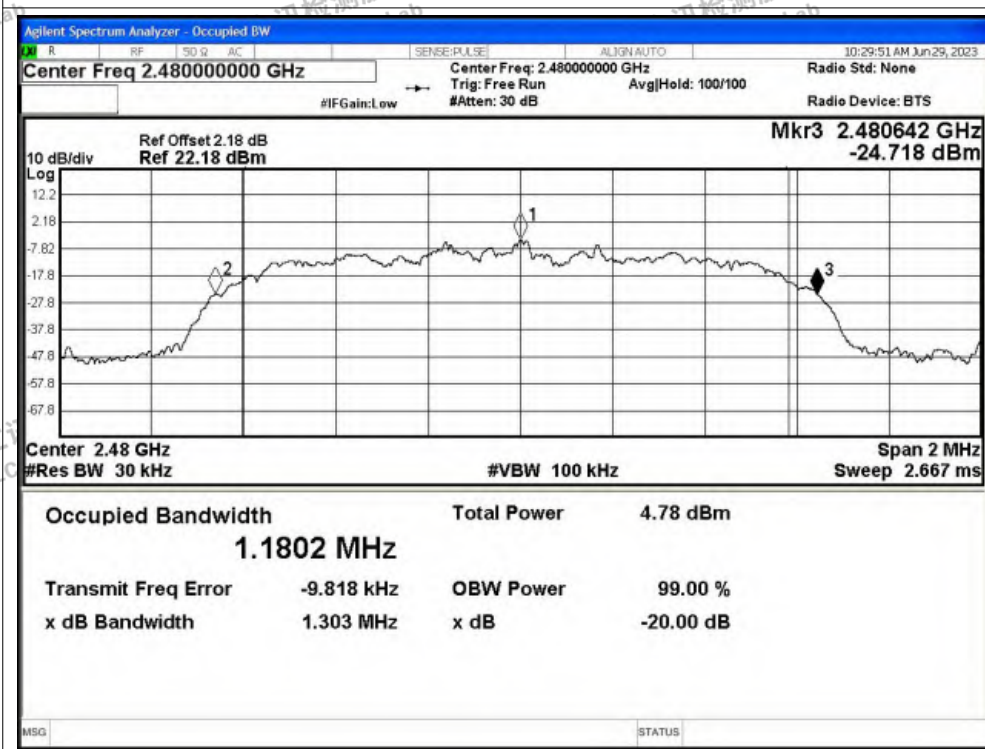
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-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



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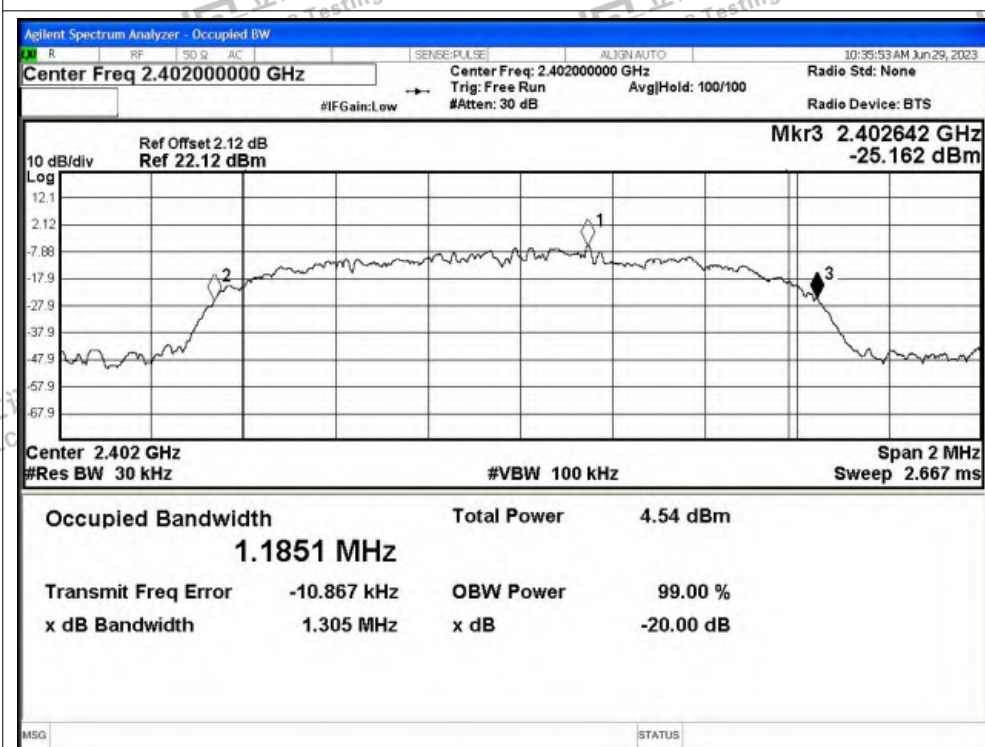
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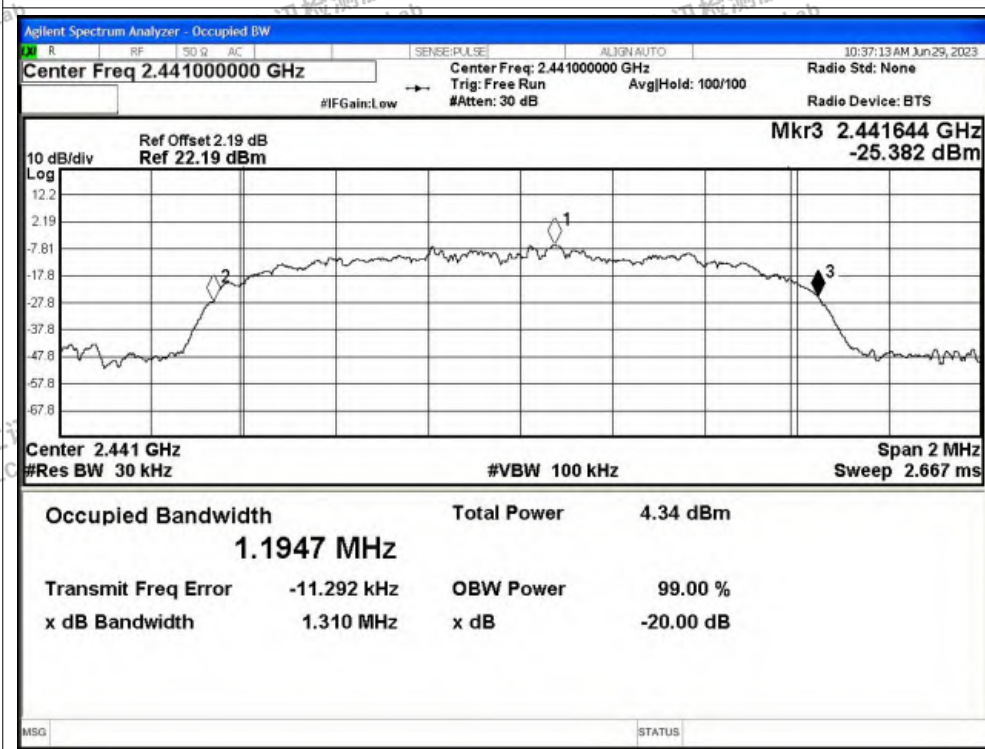
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-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



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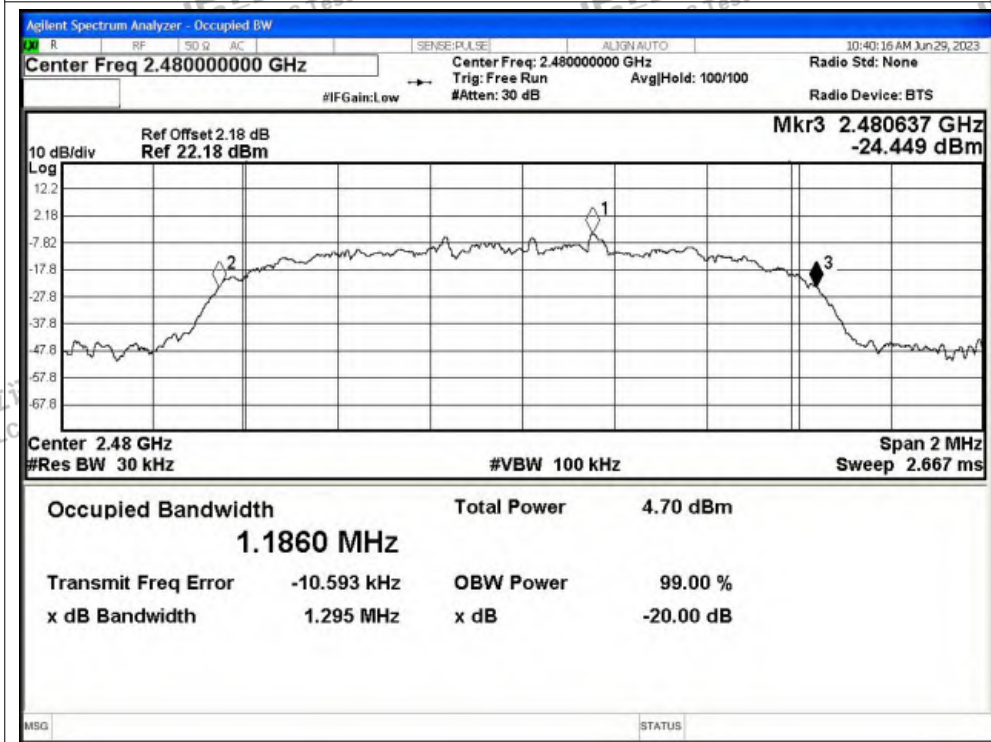
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-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1



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A.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-0.02	21	Pass
NVNT	1-DH5	2441	Ant1	0.51	21	Pass
NVNT	1-DH5	2480	Ant1	0.48	21	Pass
NVNT	2-DH5	2402	Ant1	0.09	21	Pass
NVNT	2-DH5	2441	Ant1	0.28	21	Pass
NVNT	2-DH5	2480	Ant1	0.24	21	Pass
NVNT	3-DH5	2402	Ant1	0.09	21	Pass
NVNT	3-DH5	2441	Ant1	0.31	21	Pass
NVNT	3-DH5	2480	Ant1	0.36	21	Pass



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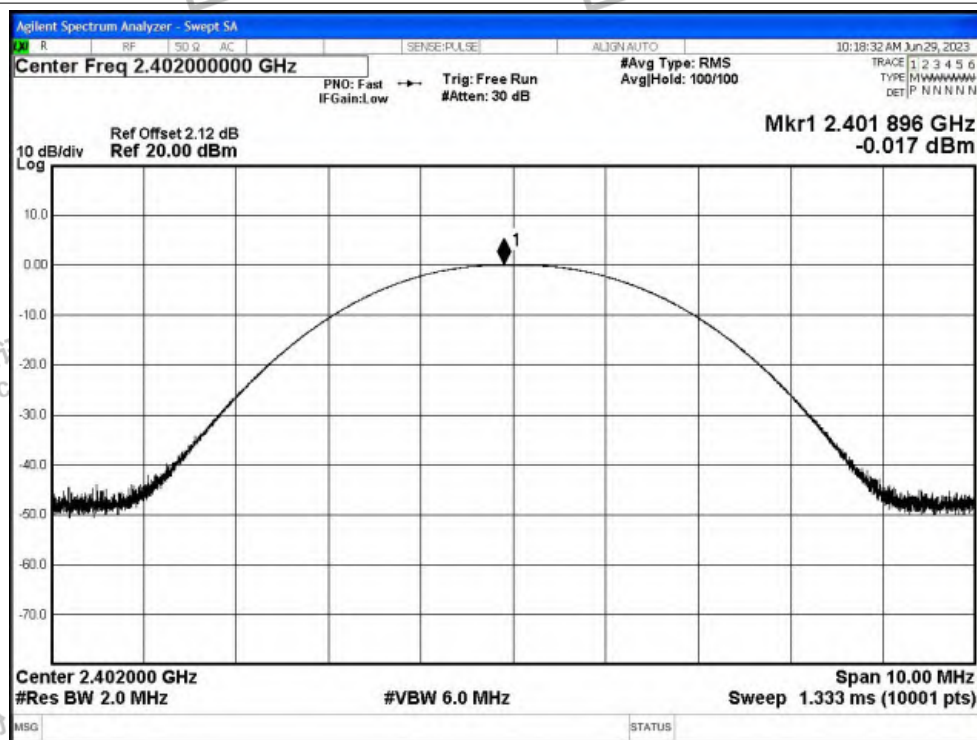
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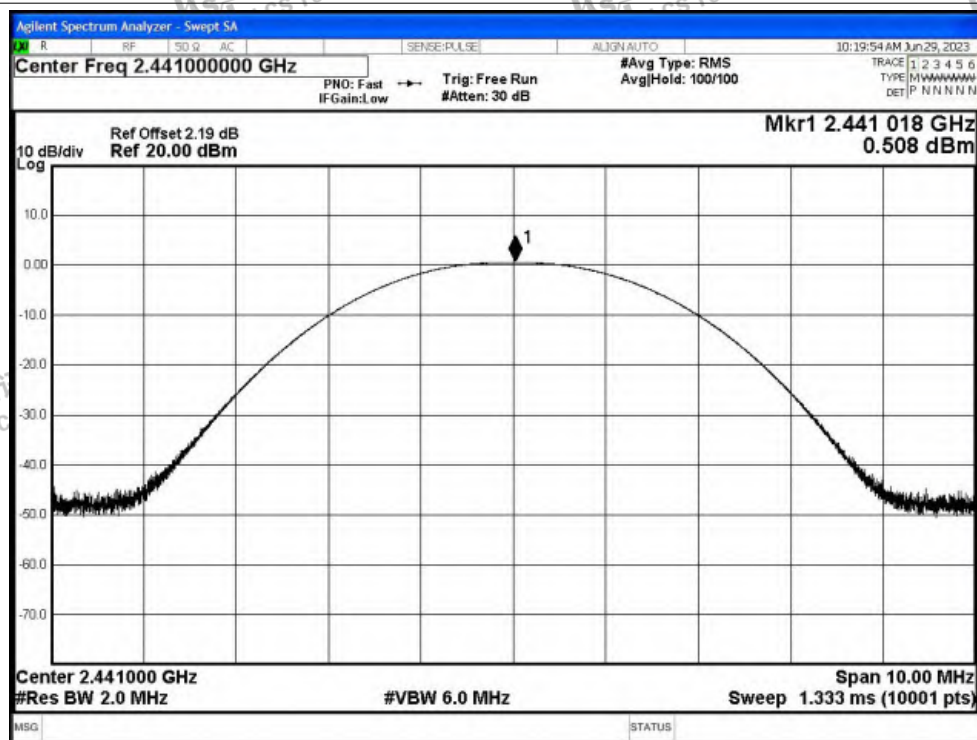


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1



Power NVNT 1-DH5 2441MHz Ant1



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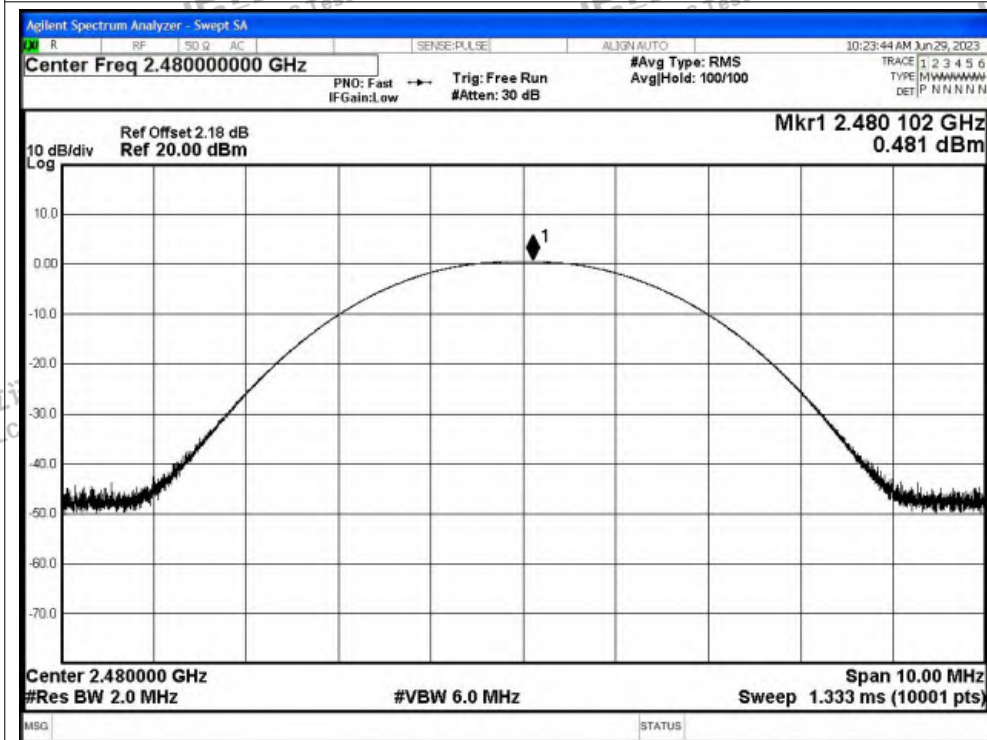
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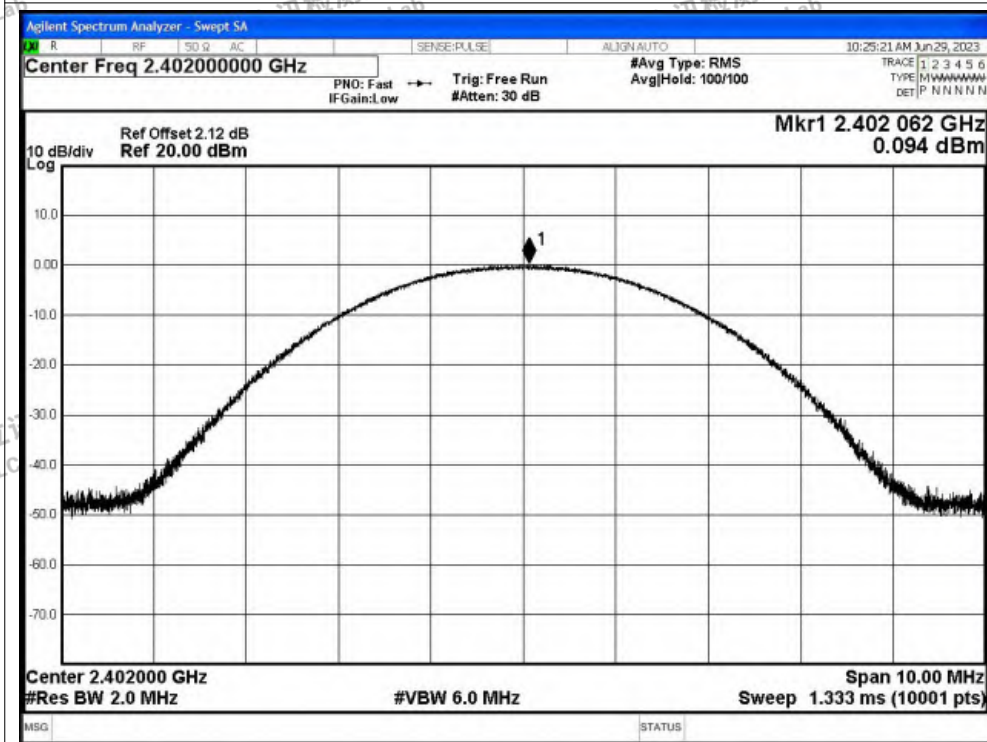
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Power NVNT 1-DH5 2480MHz Ant1



Power NVNT 2-DH5 2402MHz Ant1



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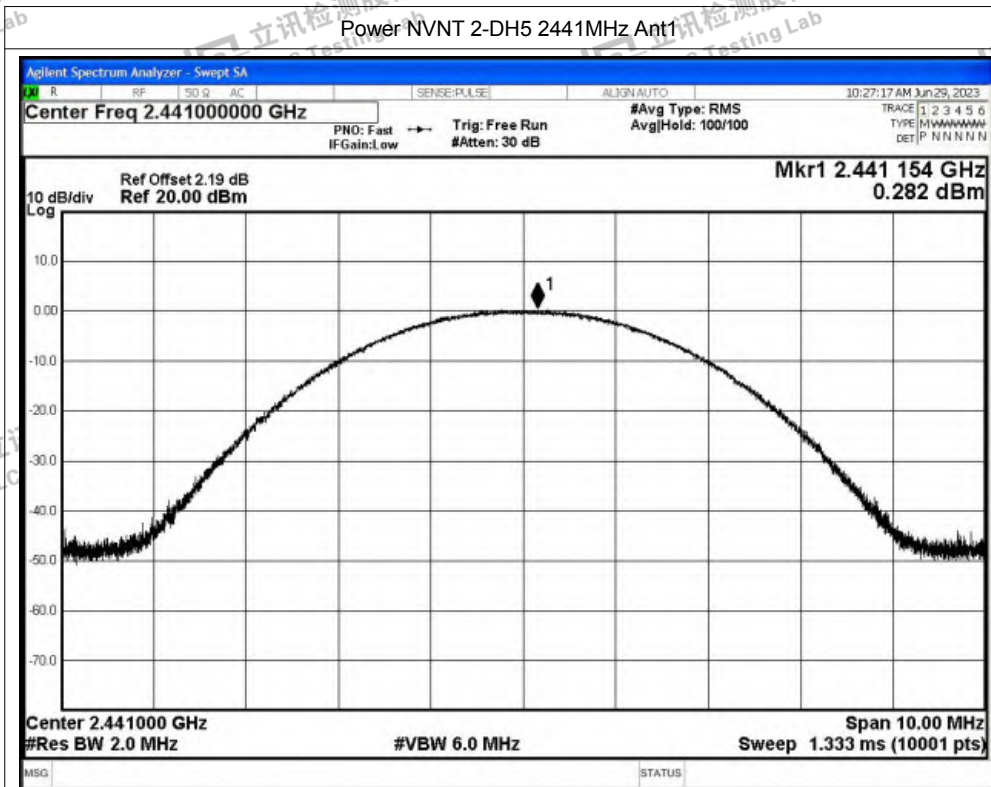
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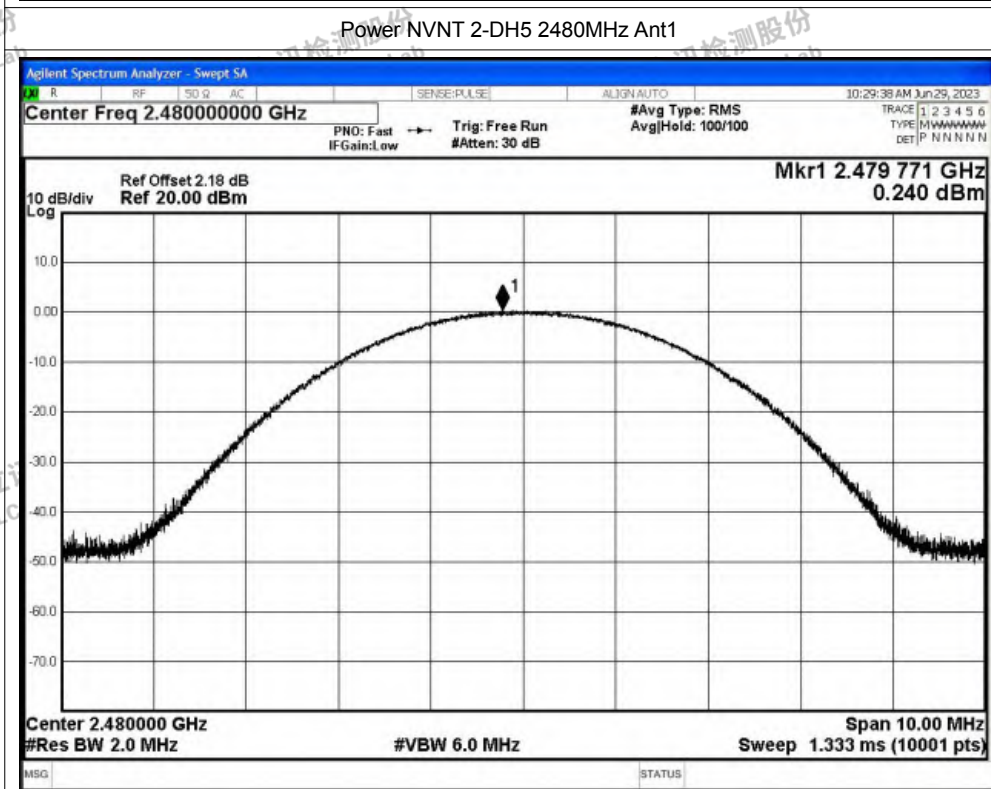
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Power NVNT 2-DH5 2441MHz Ant1



Power NVNT 2-DH5 2480MHz Ant1



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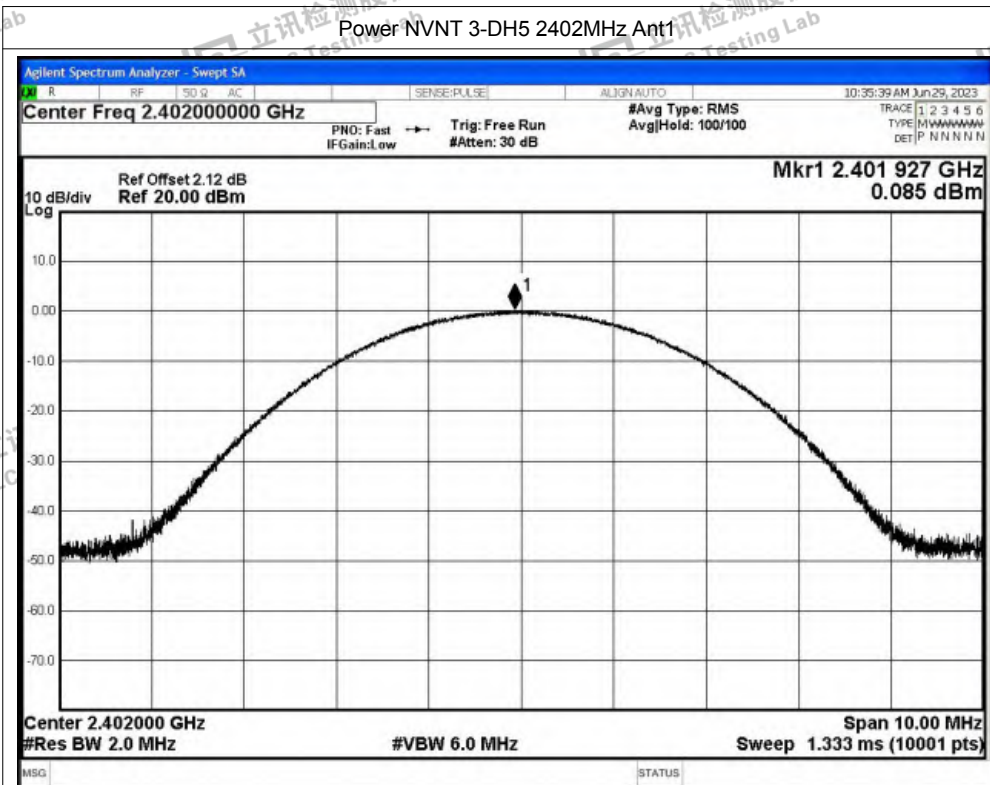
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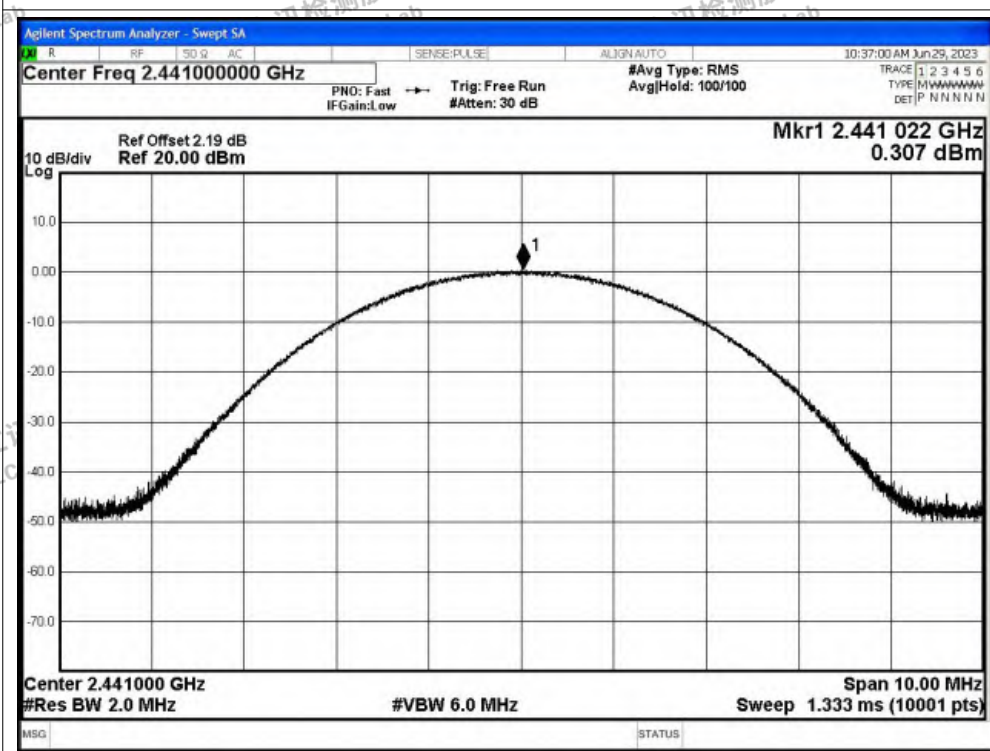
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Power NVNT 3-DH5 2402MHz Ant1



Power NVNT 3-DH5 2441MHz Ant1



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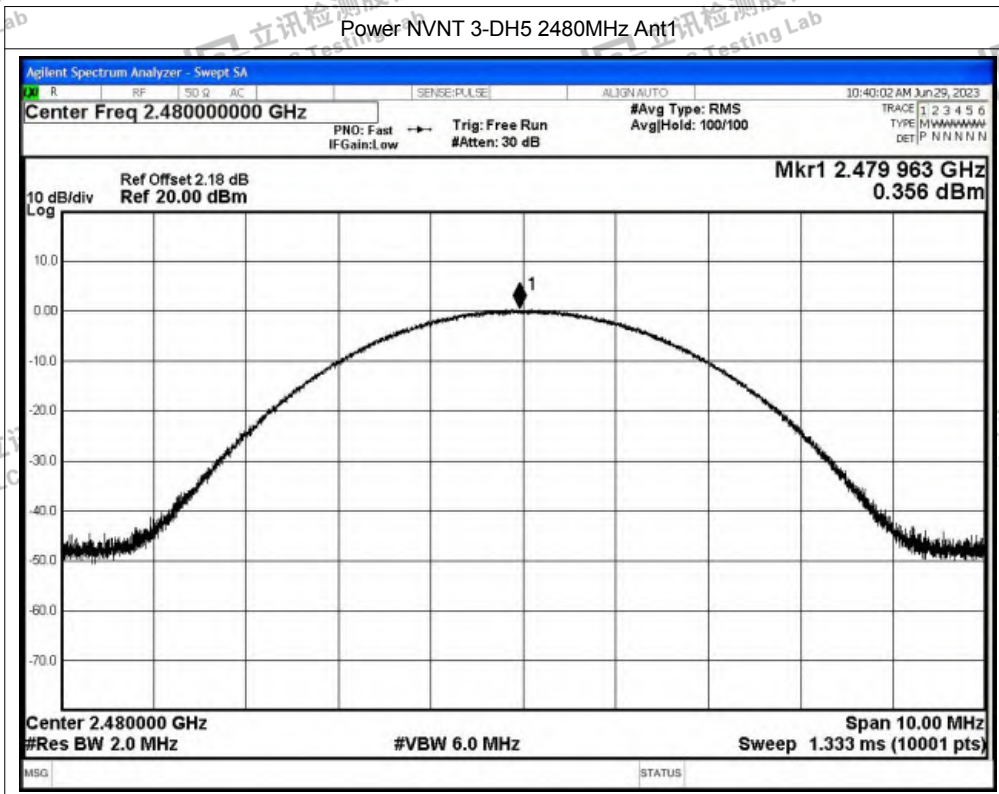
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Power NVNT 3-DH5 2480MHz Ant1



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A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.156	2403.15	0.994	0.683	Pass
NVNT	2-DH5	Ant1	2402.154	2403.15	0.996	0.872	Pass
NVNT	3-DH5	Ant1	2402.158	2403.15	0.992	0.873	Pass



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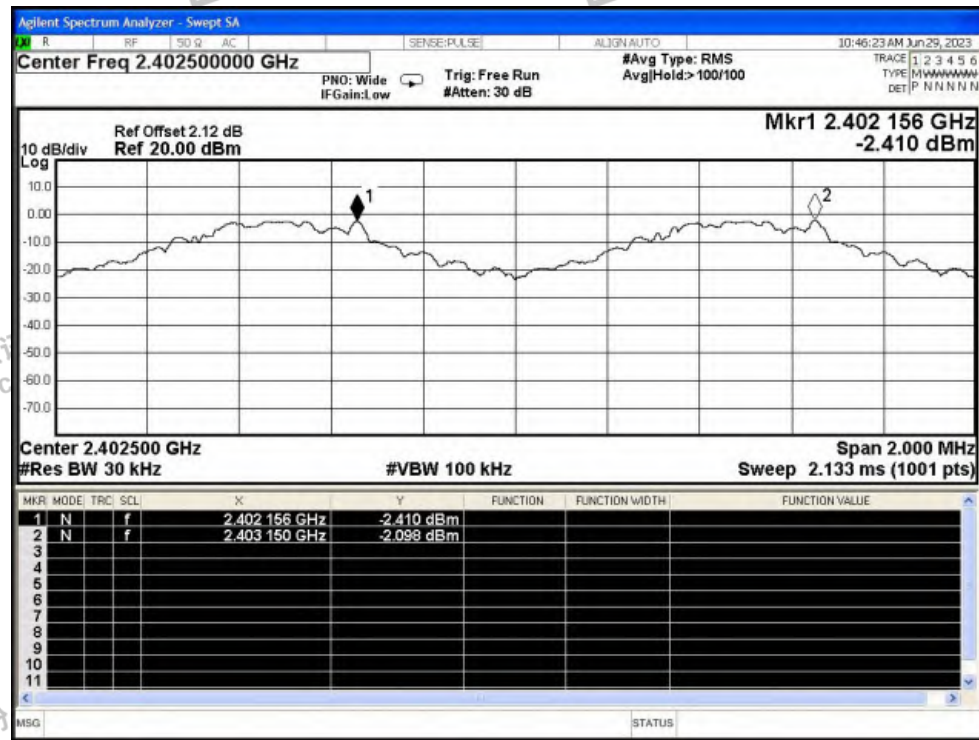
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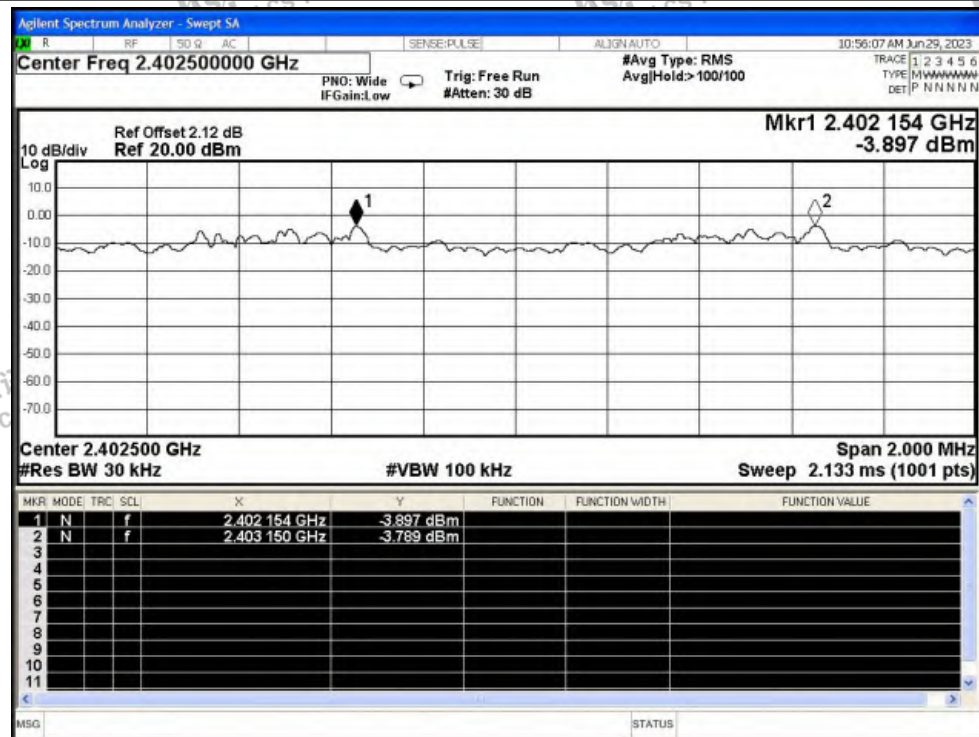


Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1

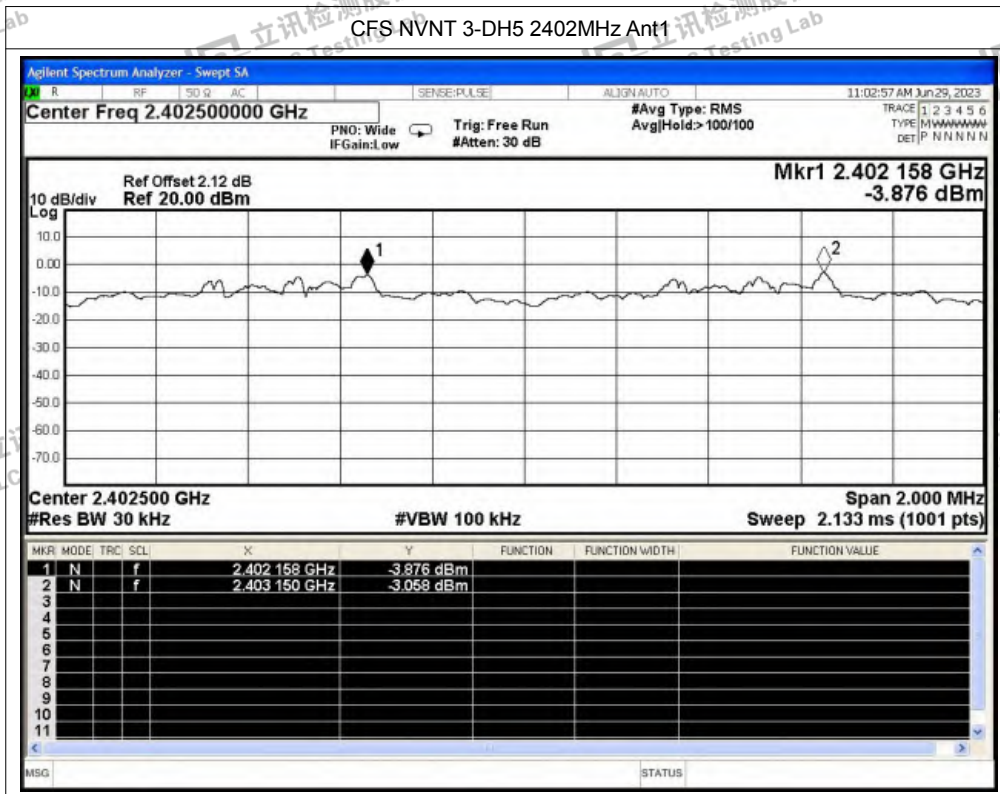


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A.4 Dwell Time

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.882	305.492	106	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.881	276.576	96	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.887	294.474	102	31600	400	Pass



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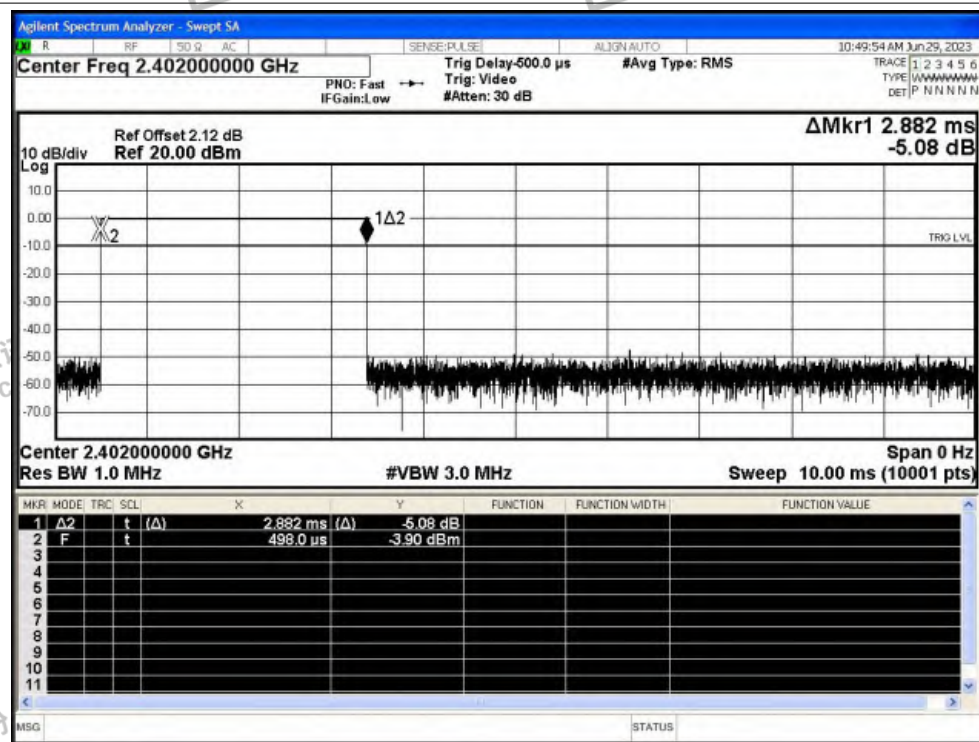
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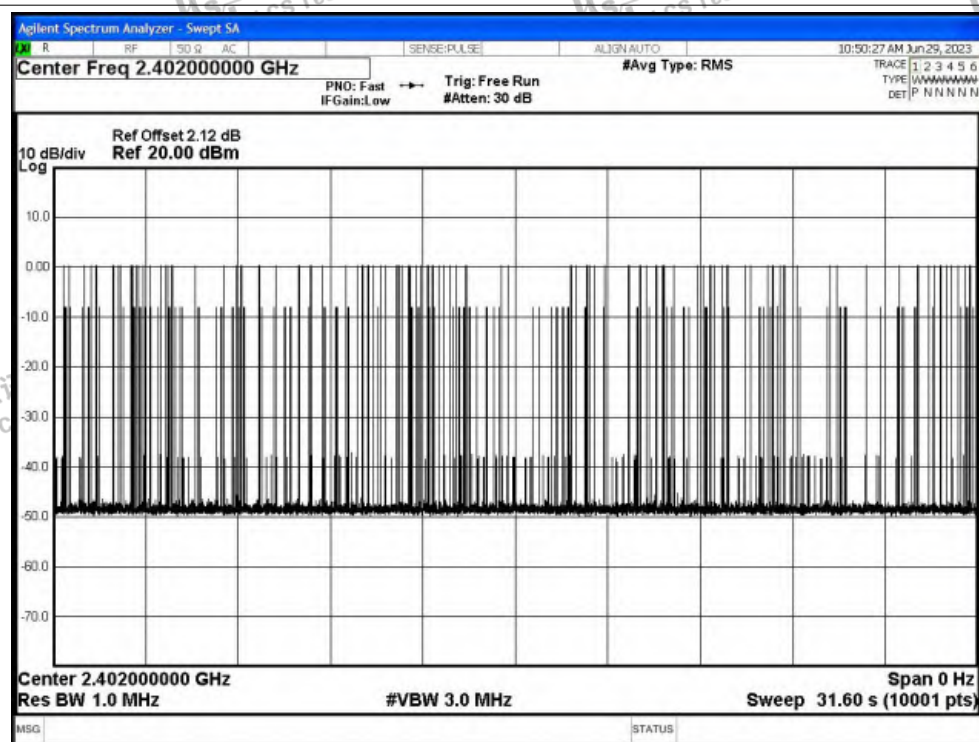


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



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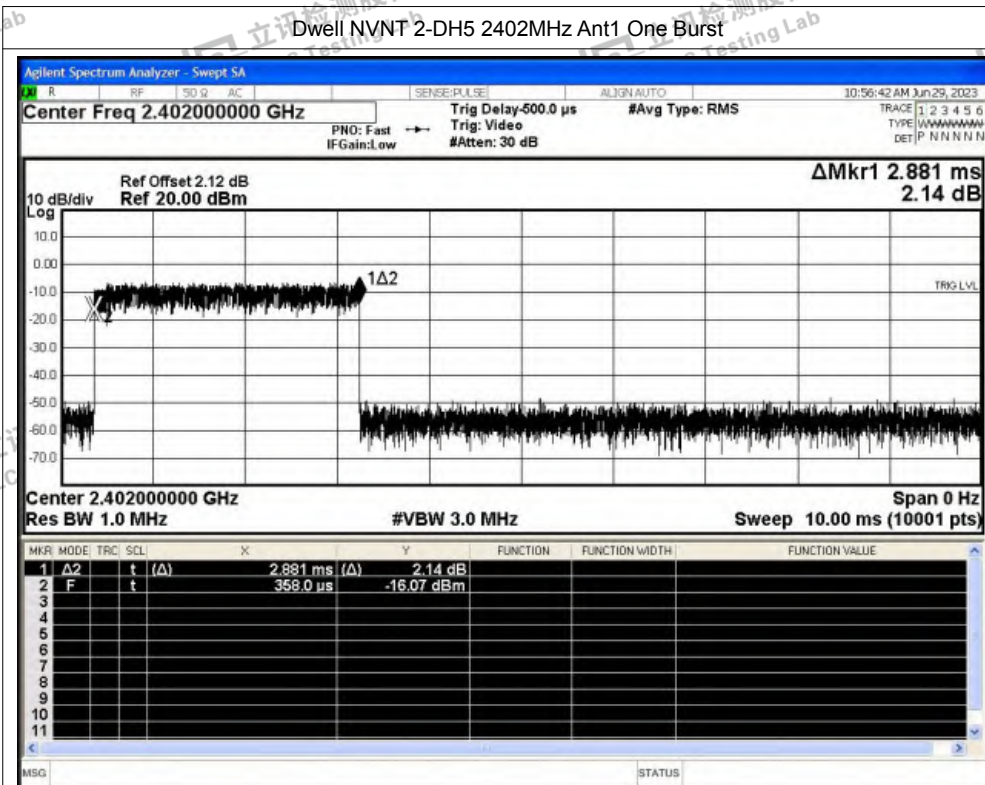
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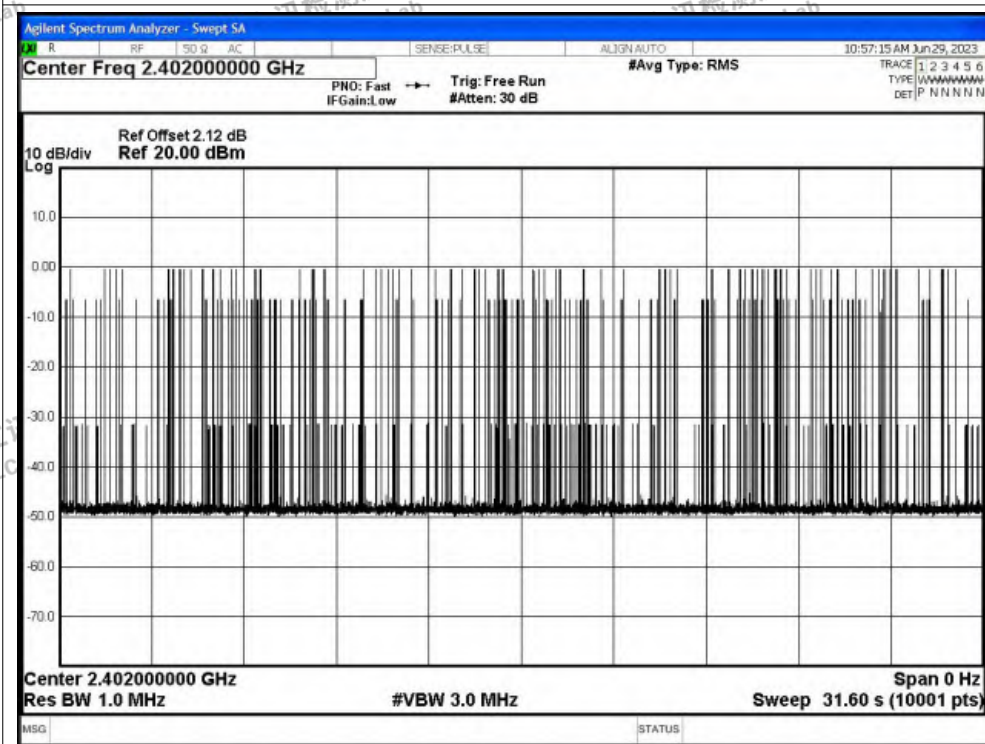
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Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



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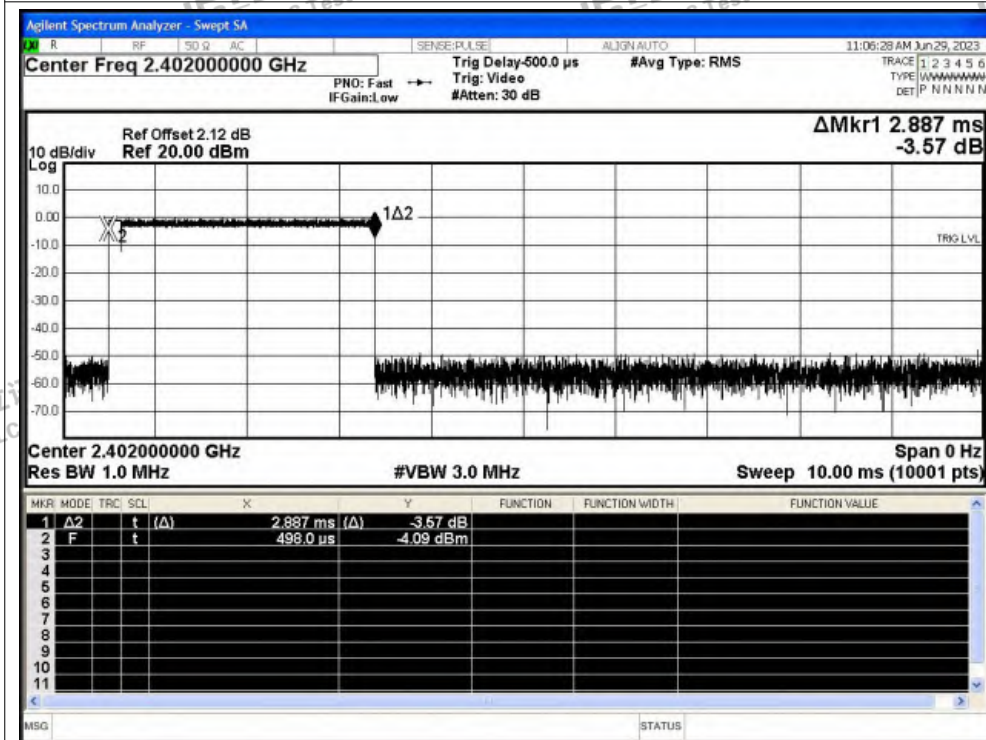
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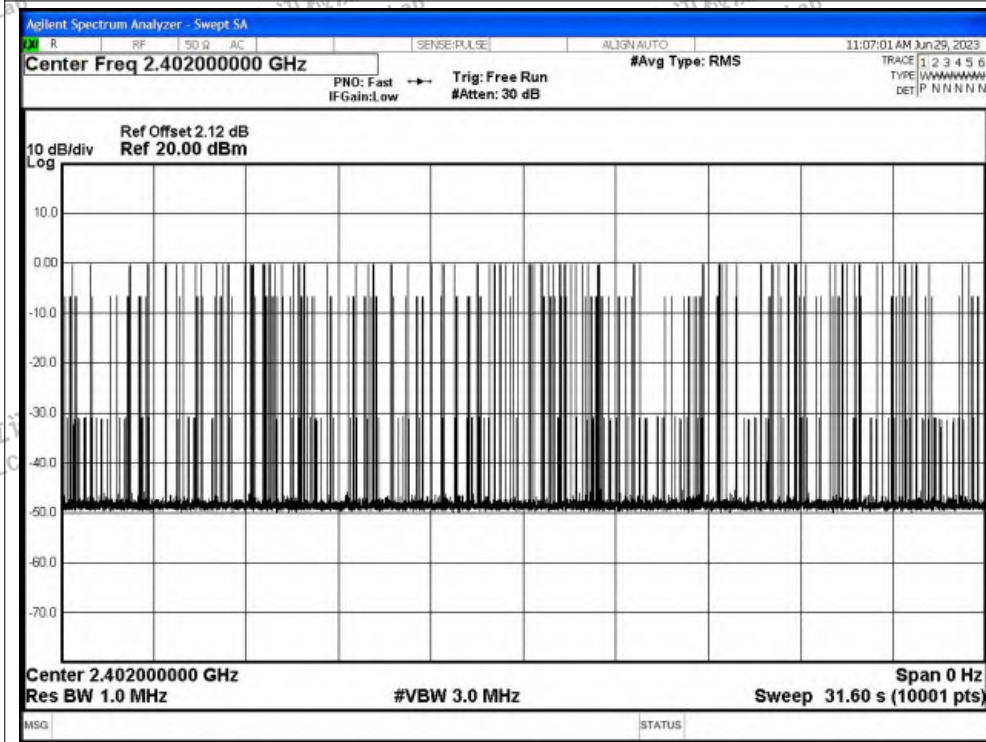
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Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated



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A.5 Number of Hopping Channel

Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass



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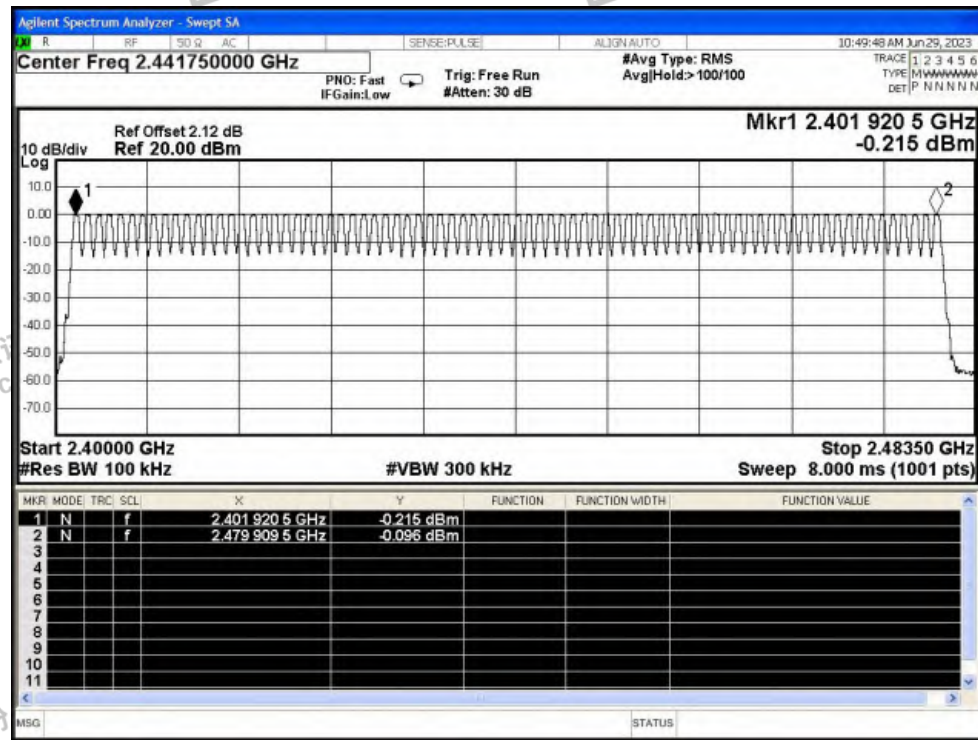
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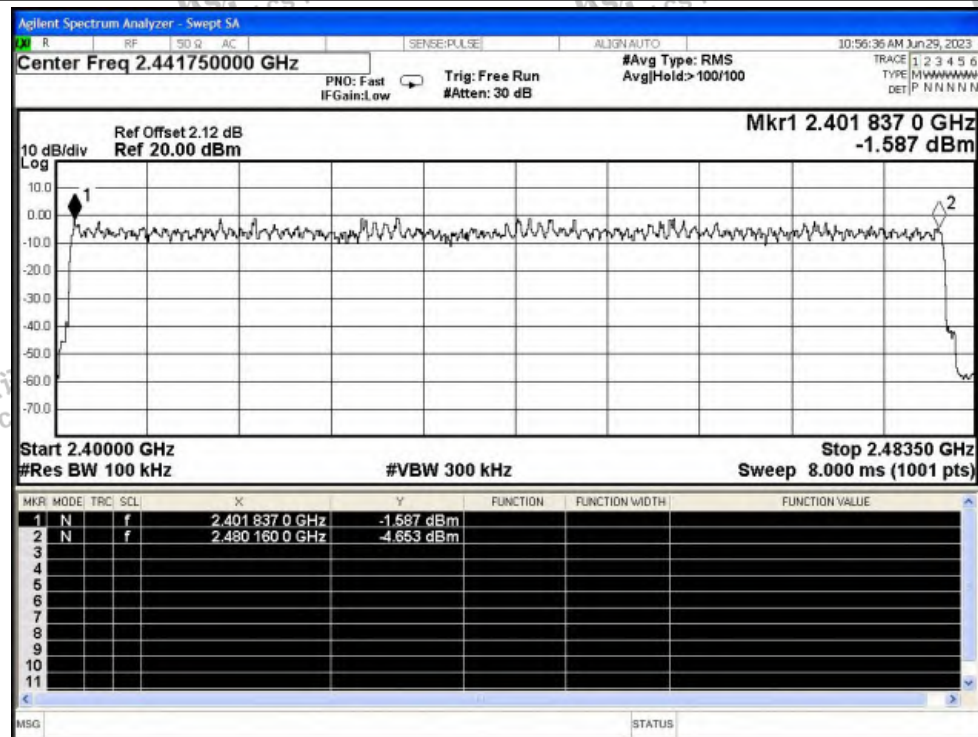


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1



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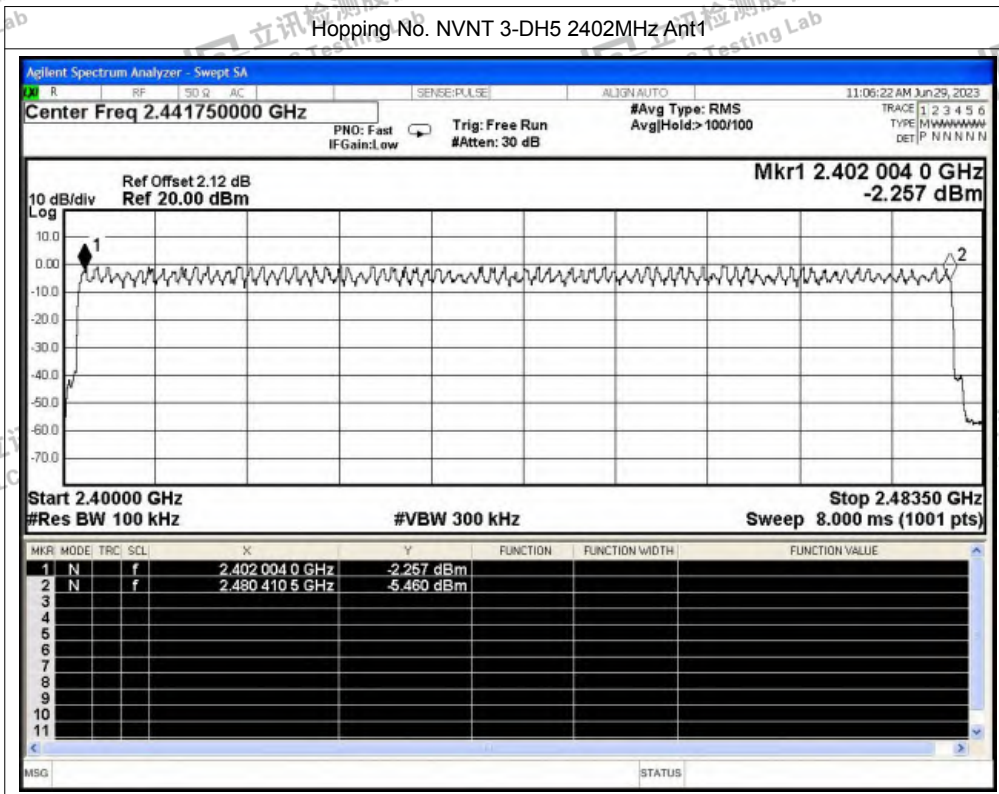
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Hopping No. NVNT 3-DH5 2402MHz Ant1



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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	Ant1	No-Hopping	-56.49	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-57.71	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-54.06	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-56.3	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-52.6	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-54.05	-20	Pass



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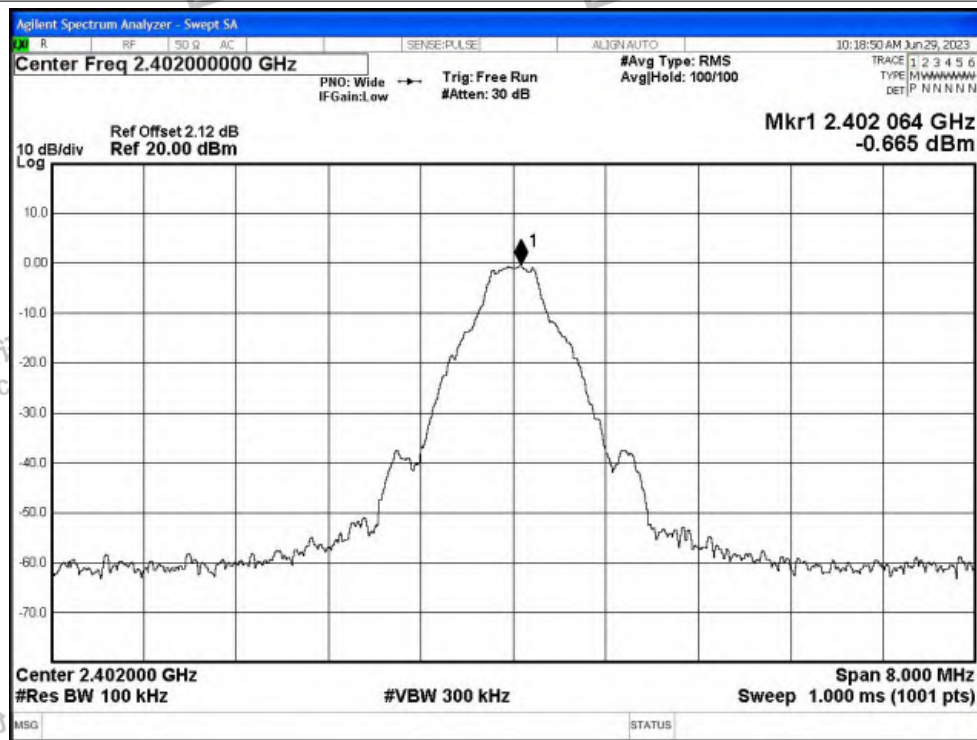
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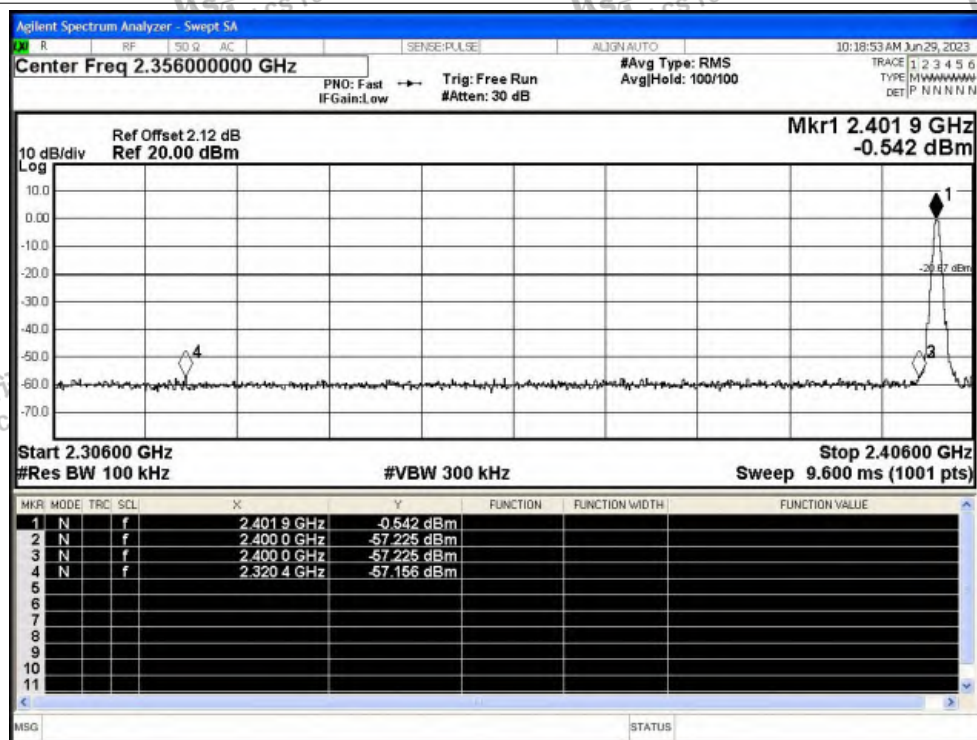


Test Graphs

Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



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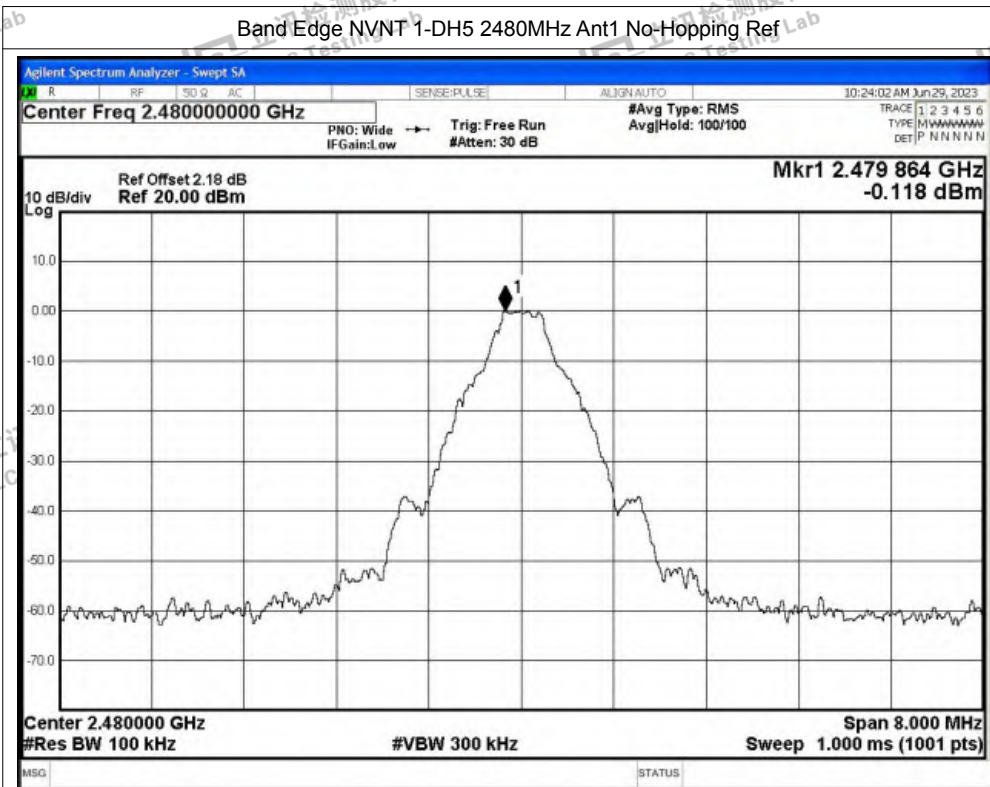
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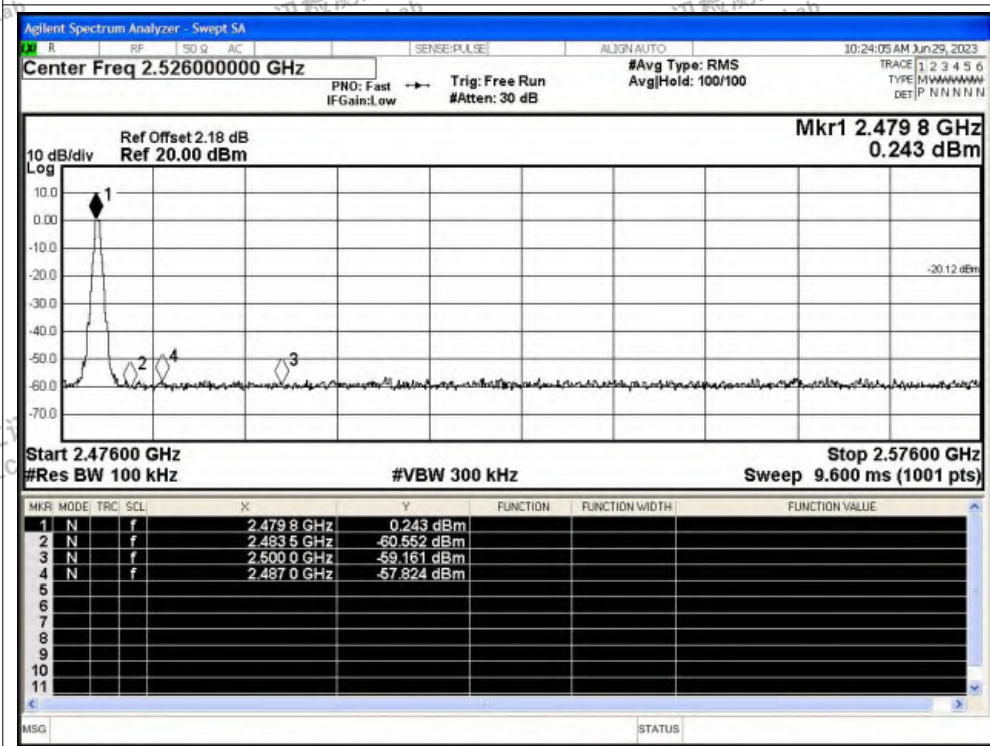
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Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



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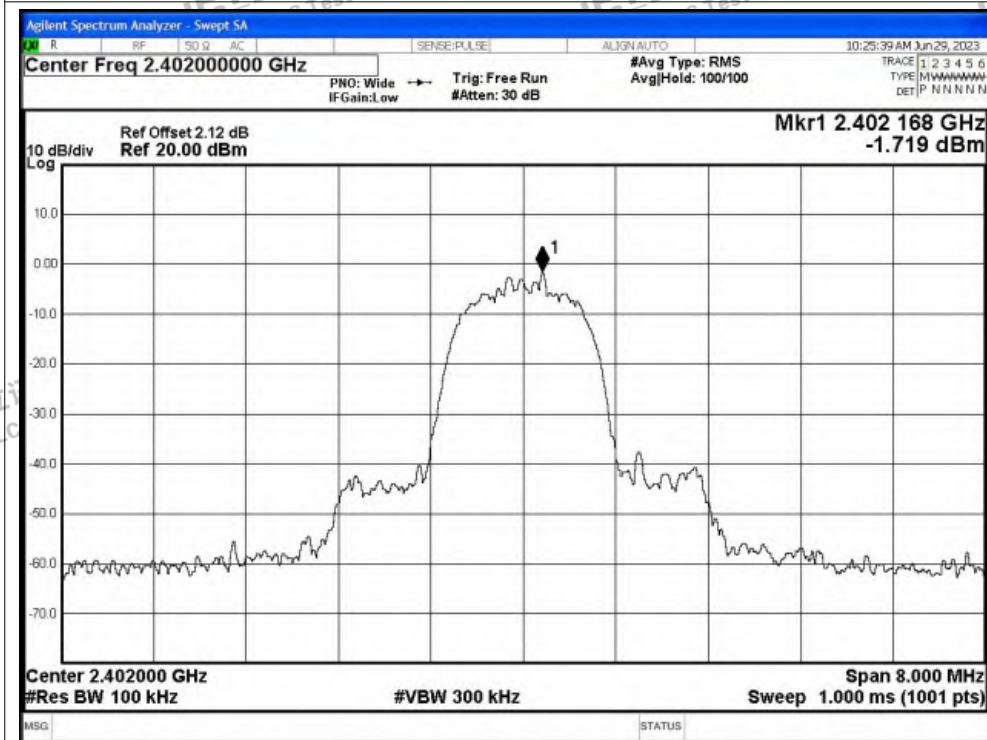
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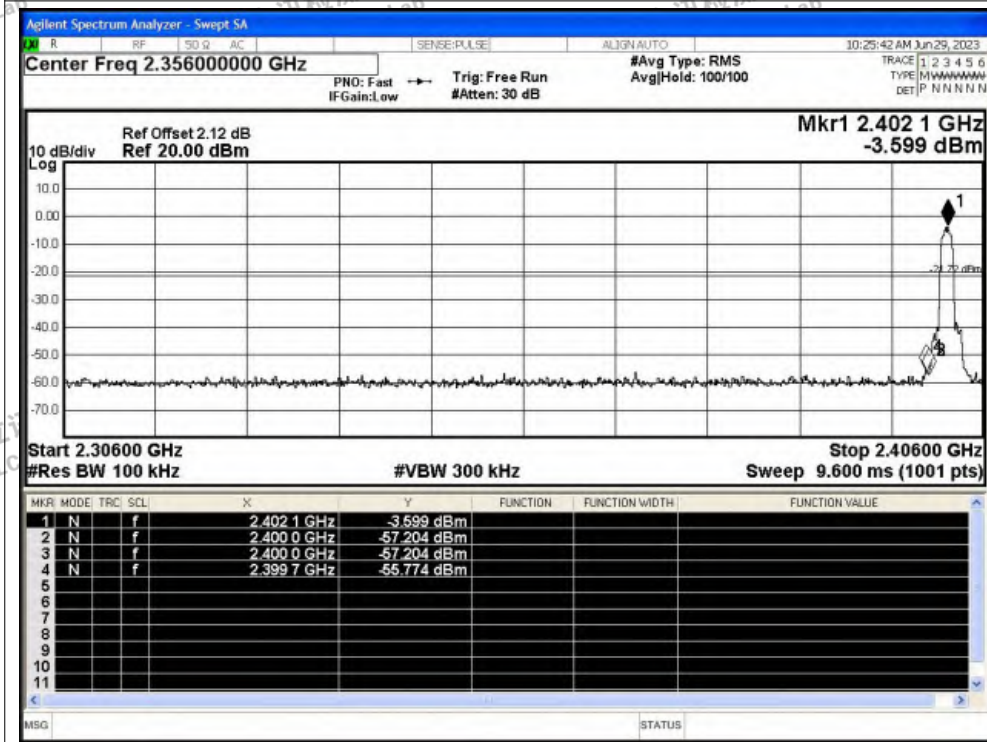
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Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



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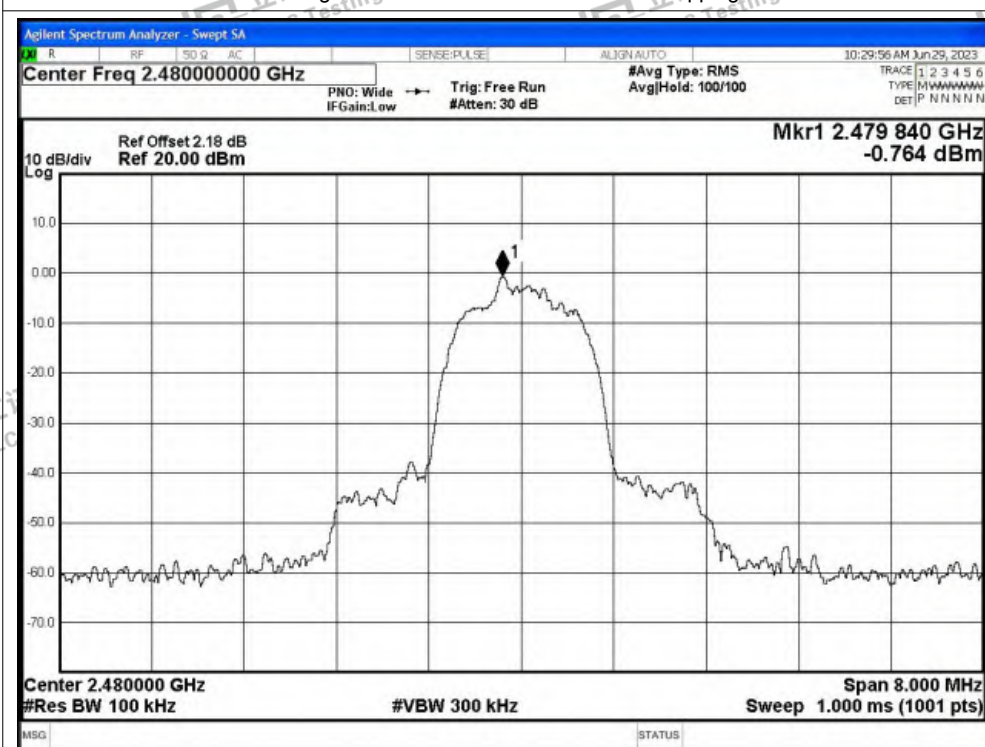
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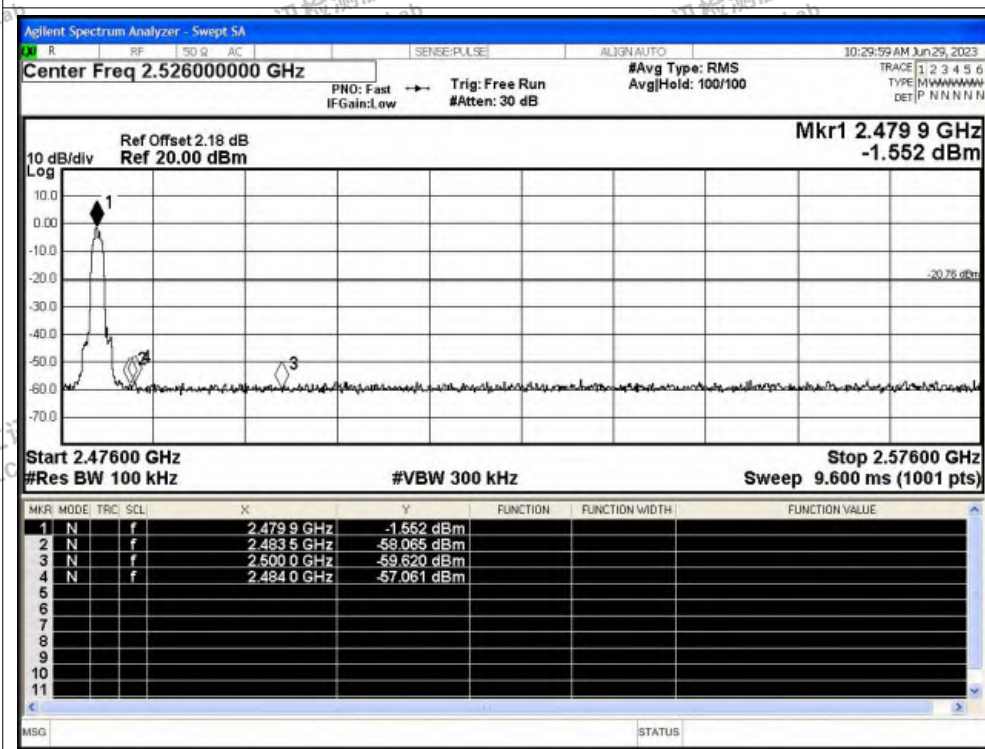
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Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



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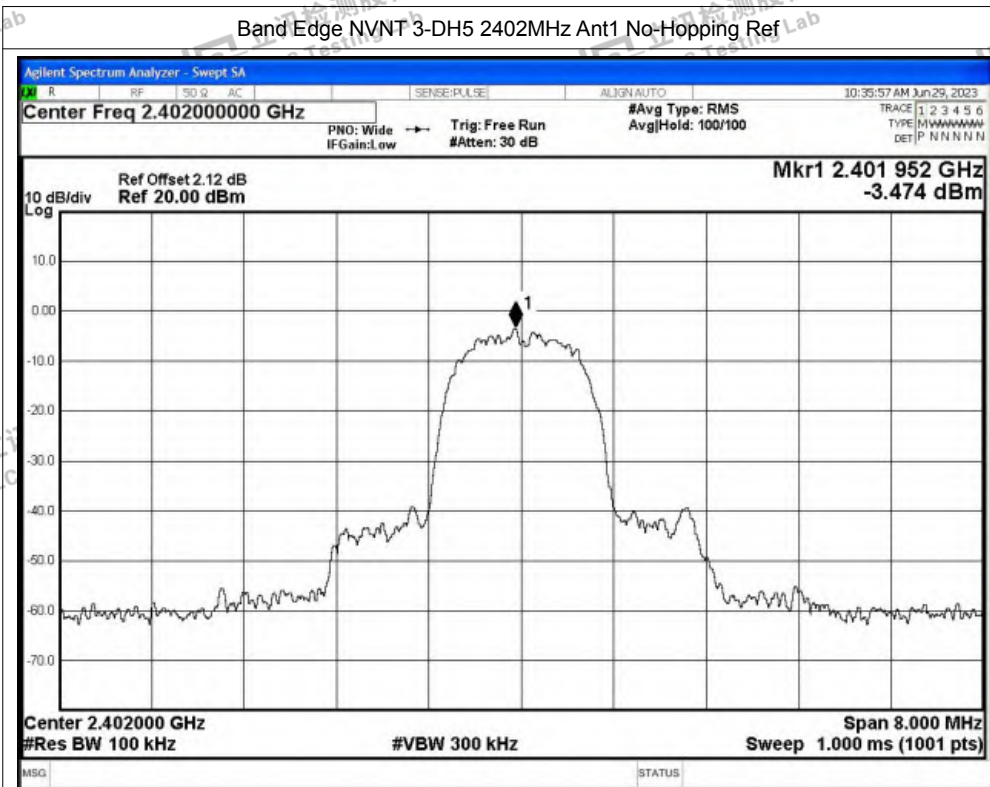
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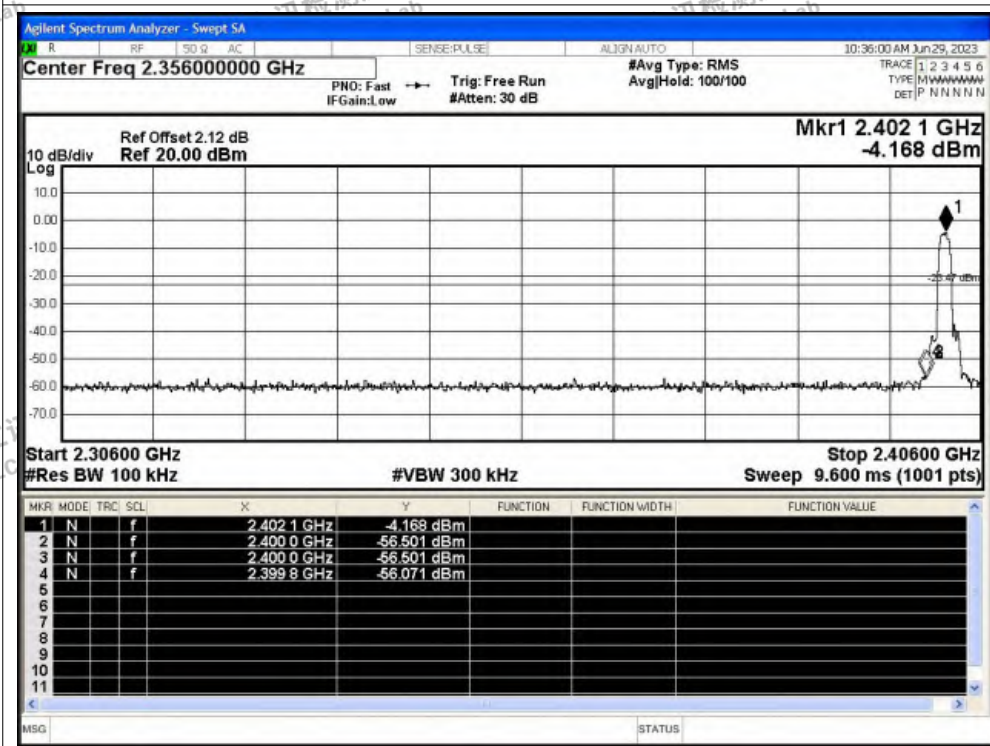
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Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission



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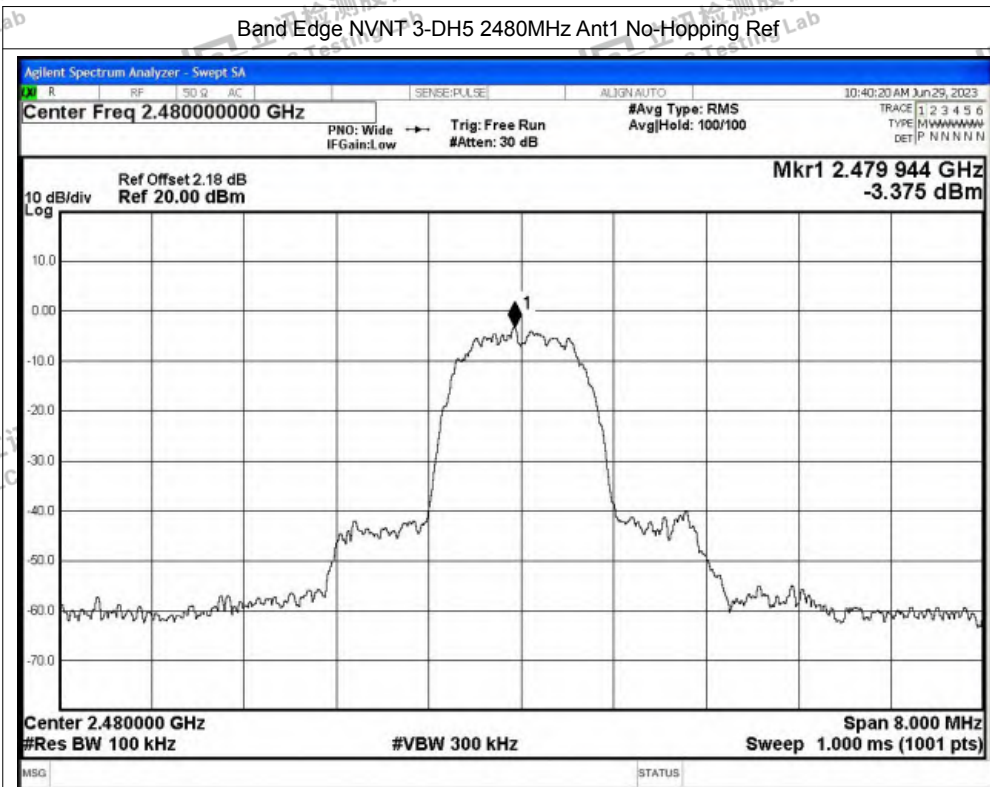
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

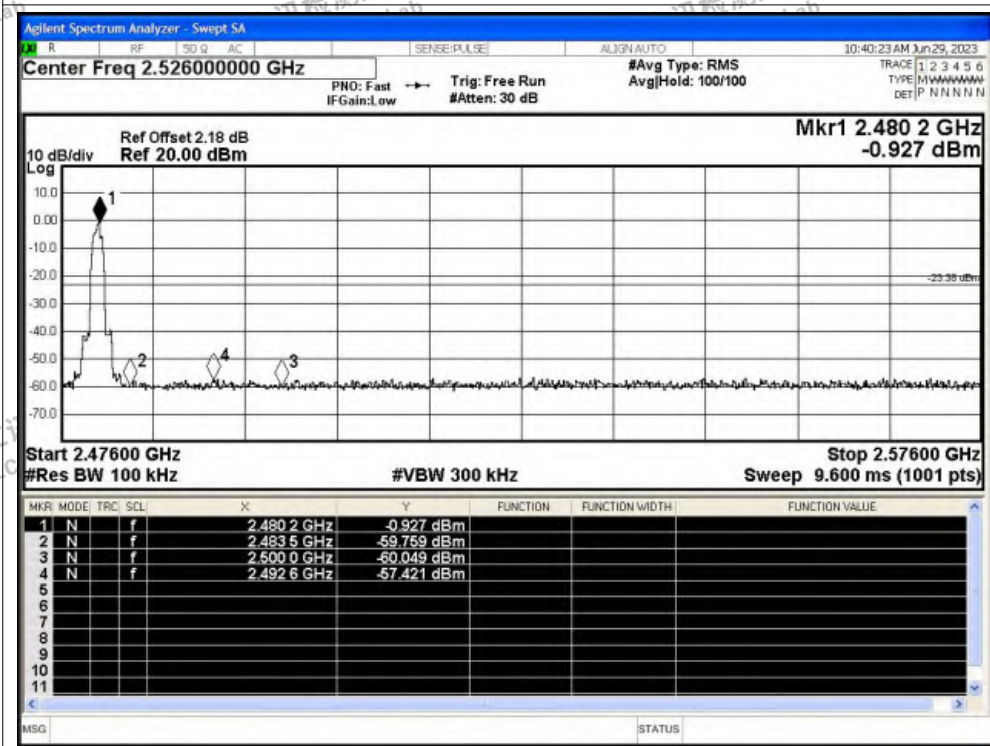
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Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission



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**(Hopping)**

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-55.98	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-56.67	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-54.23	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-55.81	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-53.28	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-53.4	-20	Pass



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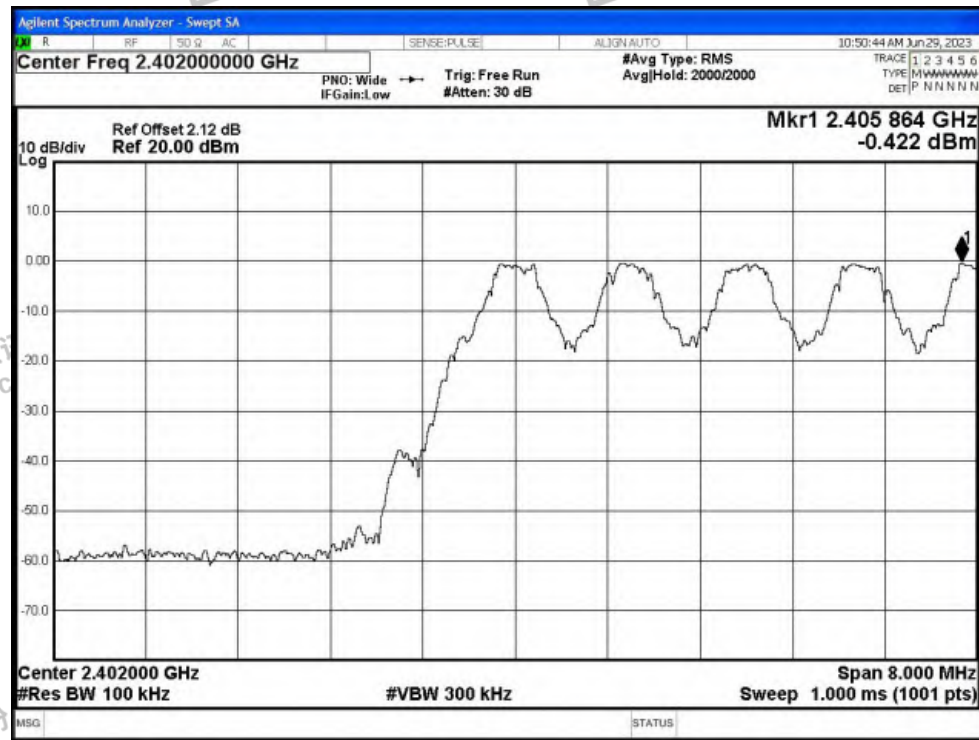
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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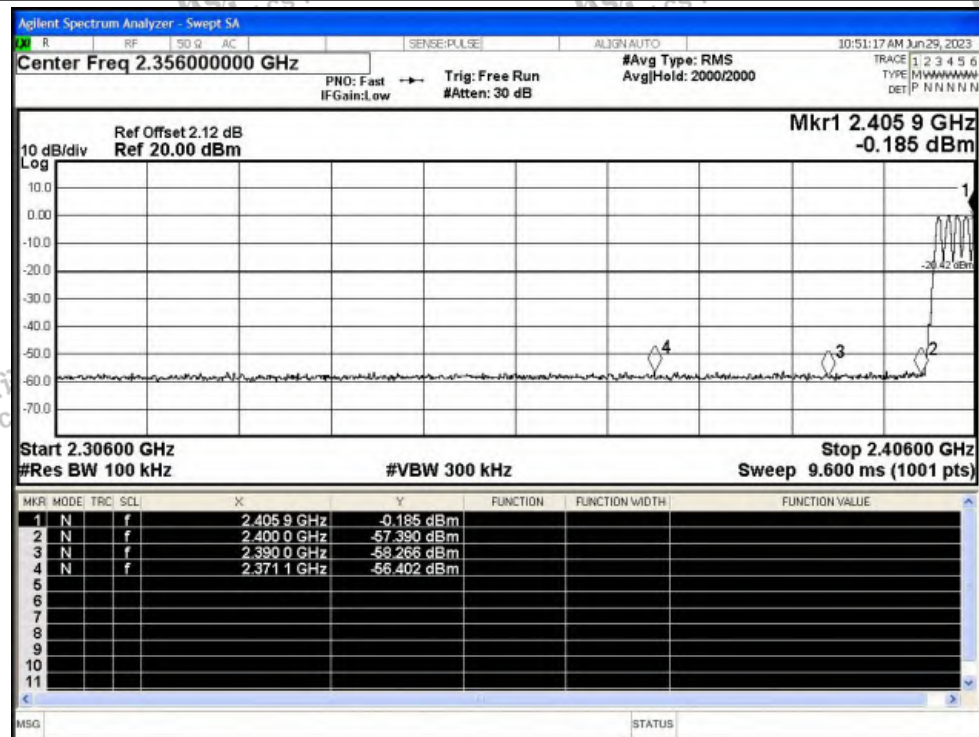


Test Graphs

Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

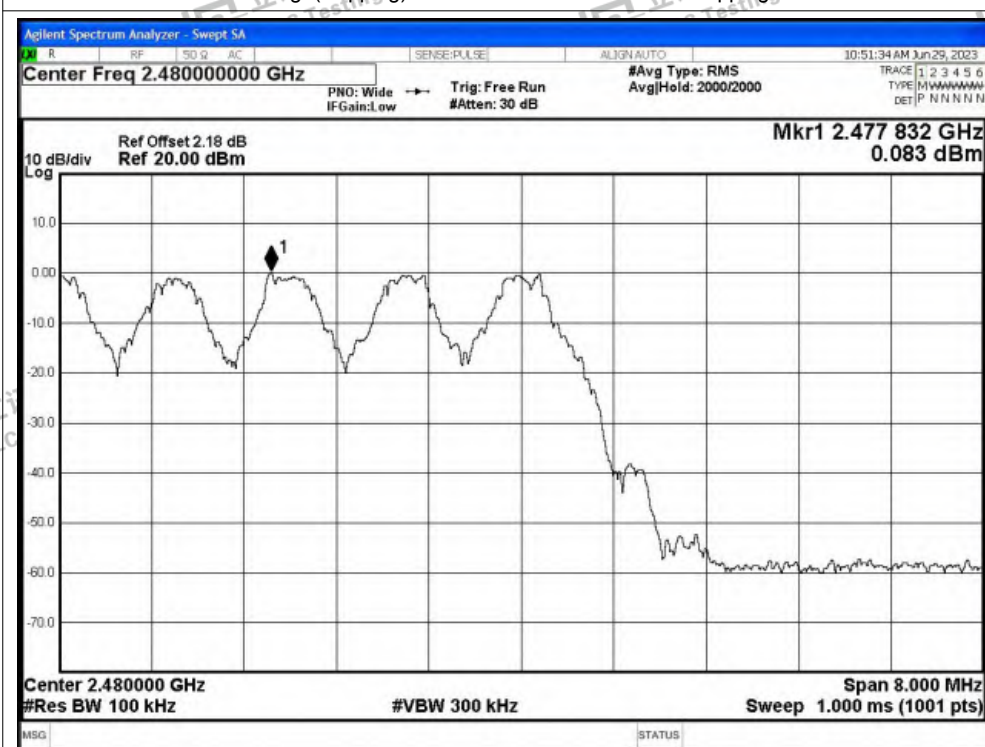
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

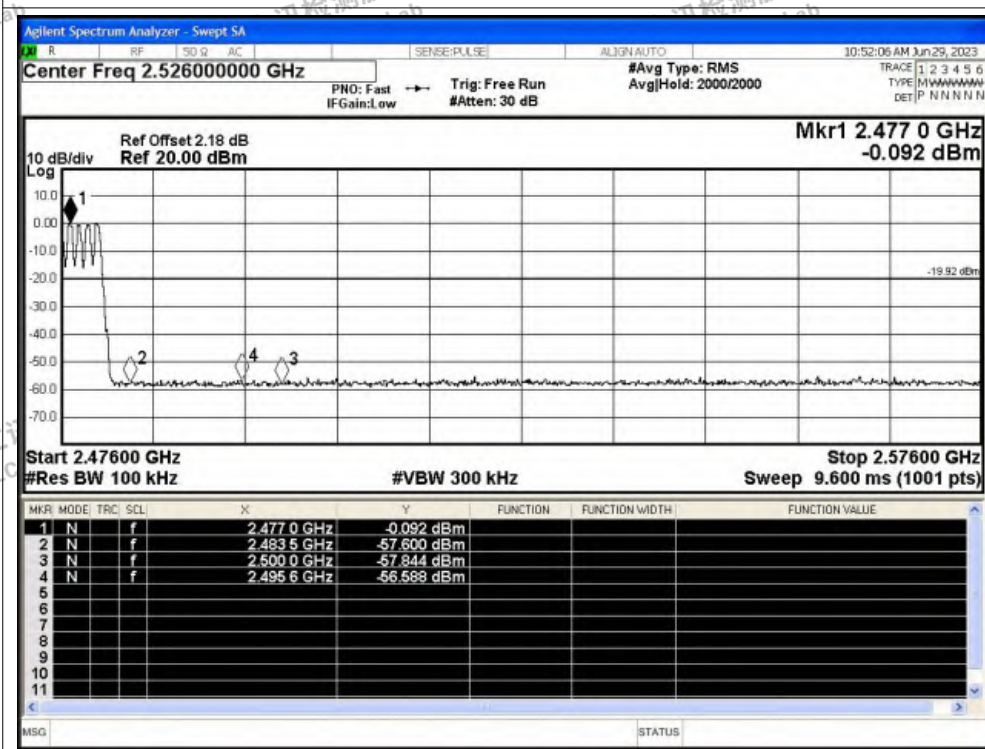
Scan code to check authenticity



Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission



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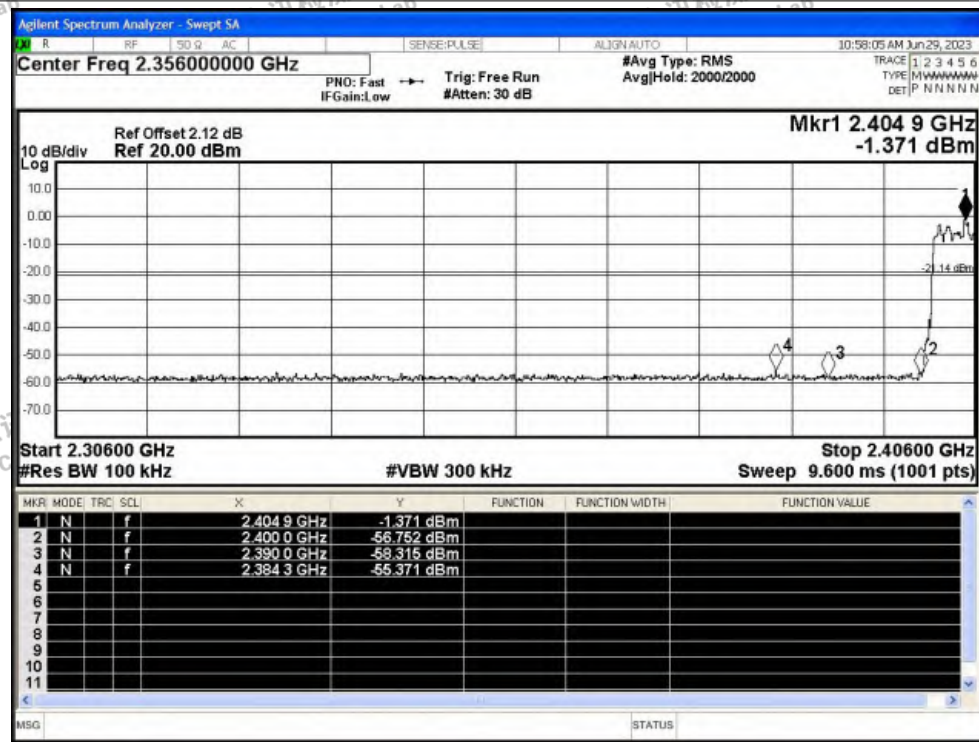
Scan code to check authenticity



Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission



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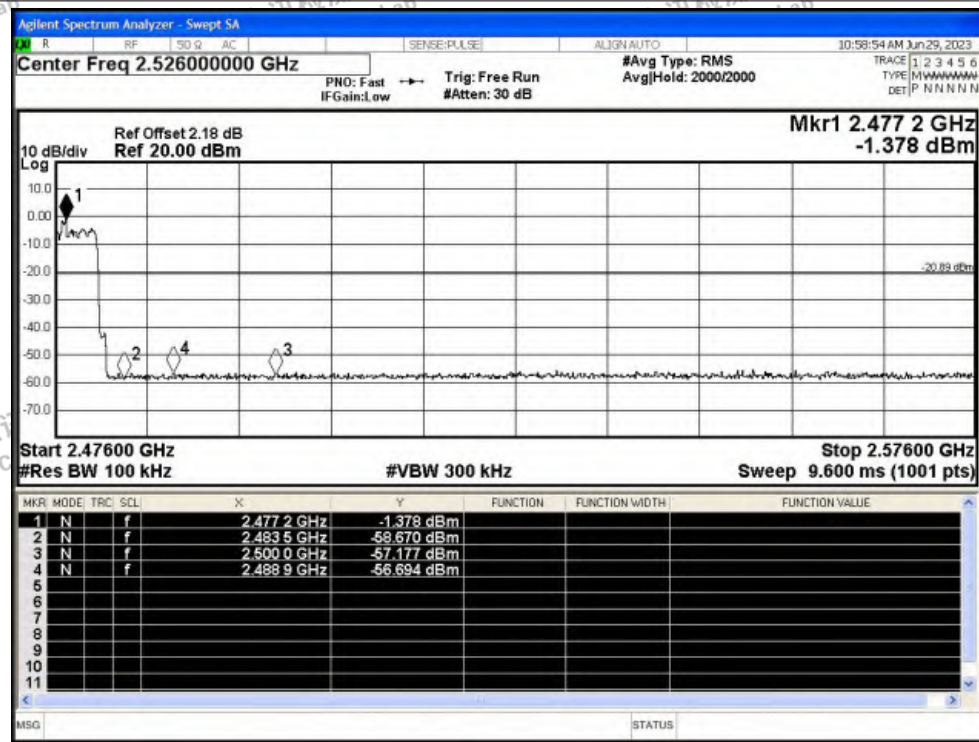
Scan code to check authenticity



Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

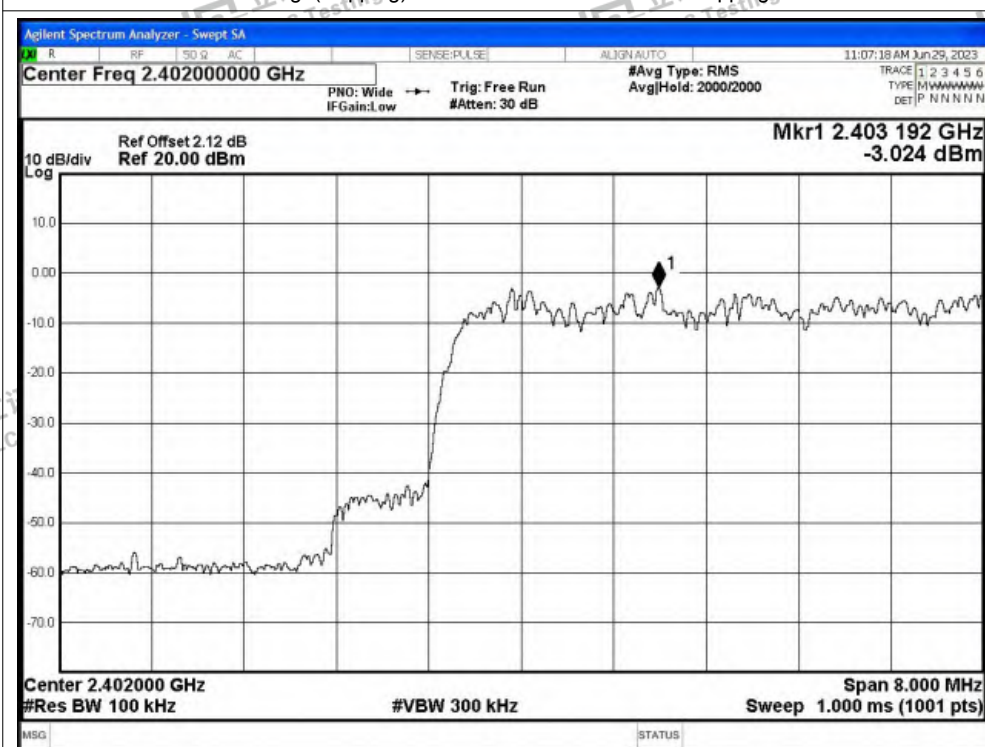
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

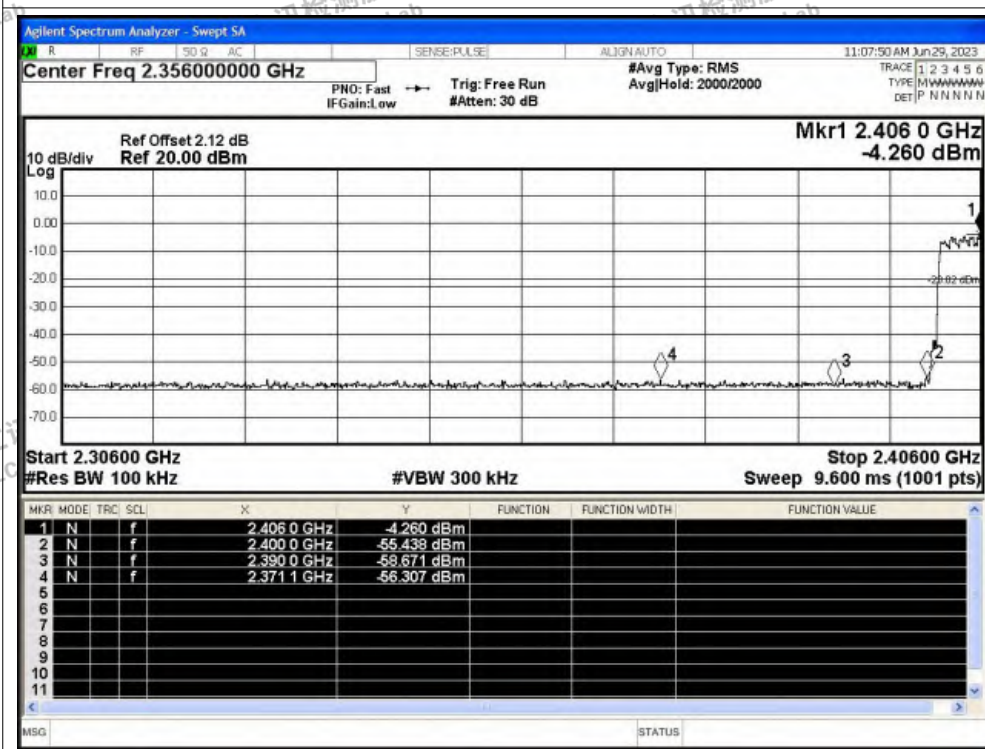
Scan code to check authenticity



Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

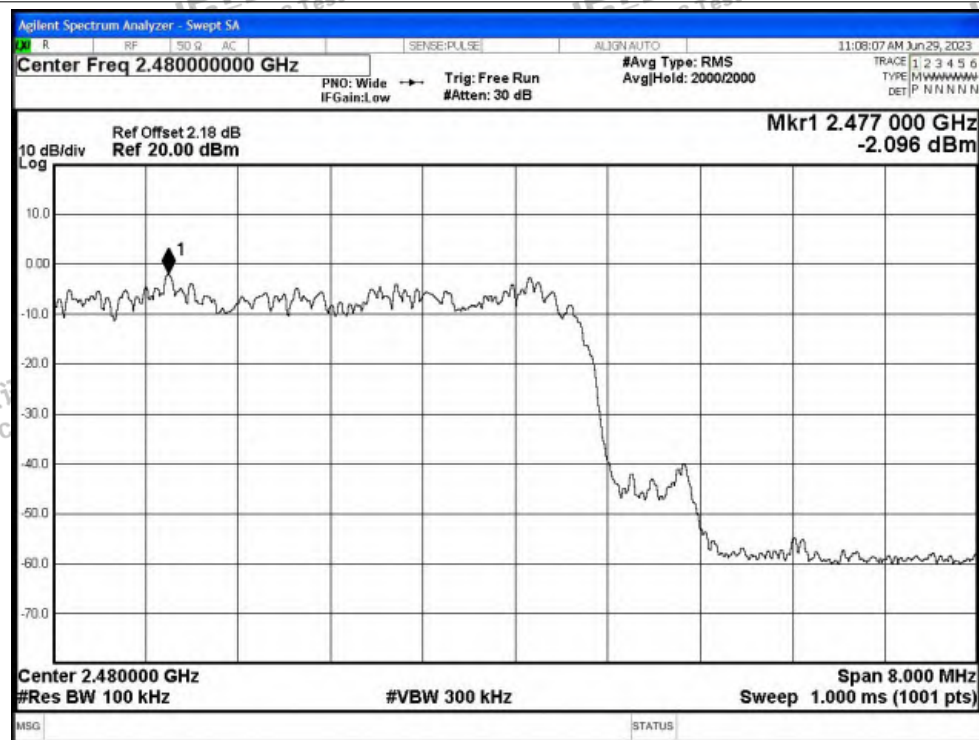
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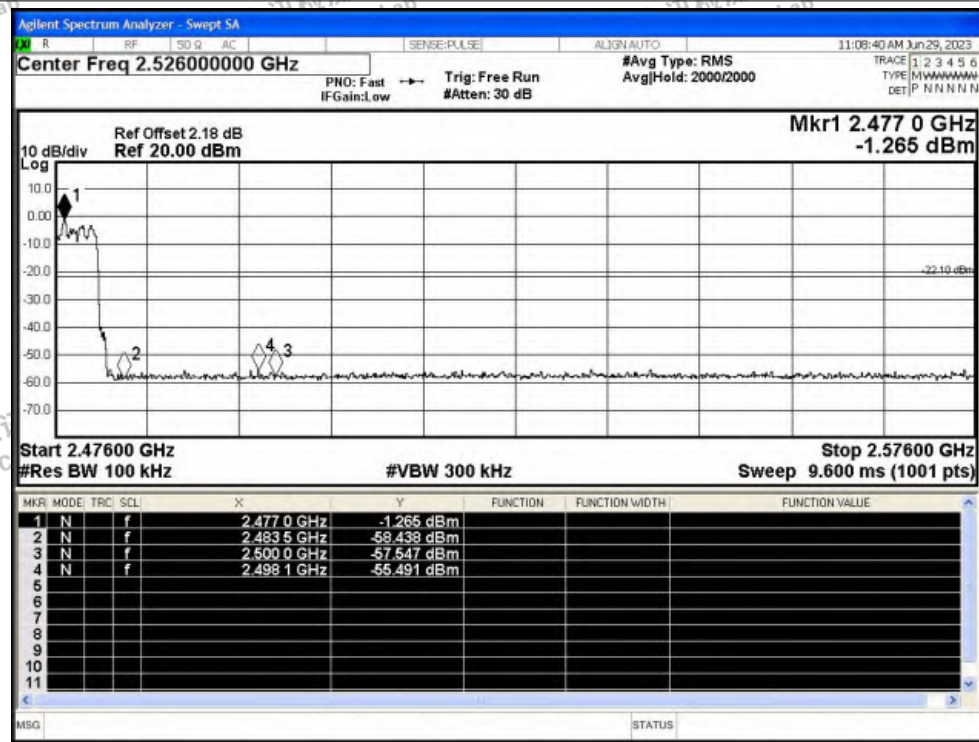
Scan code to check authenticity



Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission



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A.7 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-54.64	-20	Pass
NVNT	1-DH5	2441	Ant1	-48.47	-20	Pass
NVNT	1-DH5	2480	Ant1	-55.03	-20	Pass
NVNT	2-DH5	2402	Ant1	-54.5	-20	Pass
NVNT	2-DH5	2441	Ant1	-49.99	-20	Pass
NVNT	2-DH5	2480	Ant1	-54.01	-20	Pass
NVNT	3-DH5	2402	Ant1	-48.77	-20	Pass
NVNT	3-DH5	2441	Ant1	-54.66	-20	Pass
NVNT	3-DH5	2480	Ant1	-54.42	-20	Pass



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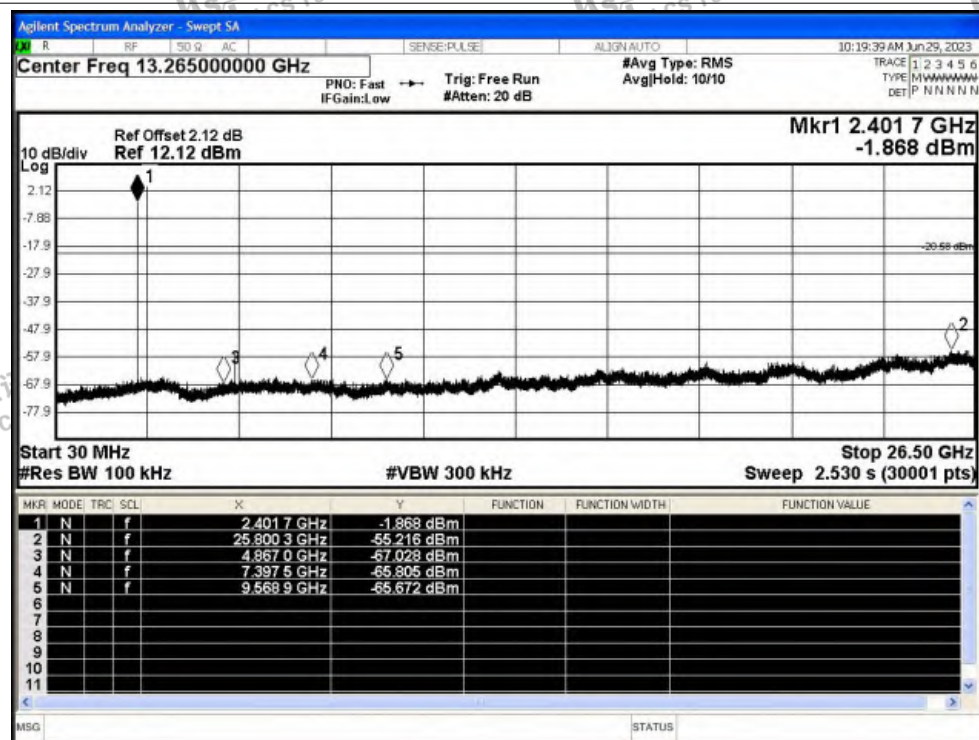


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

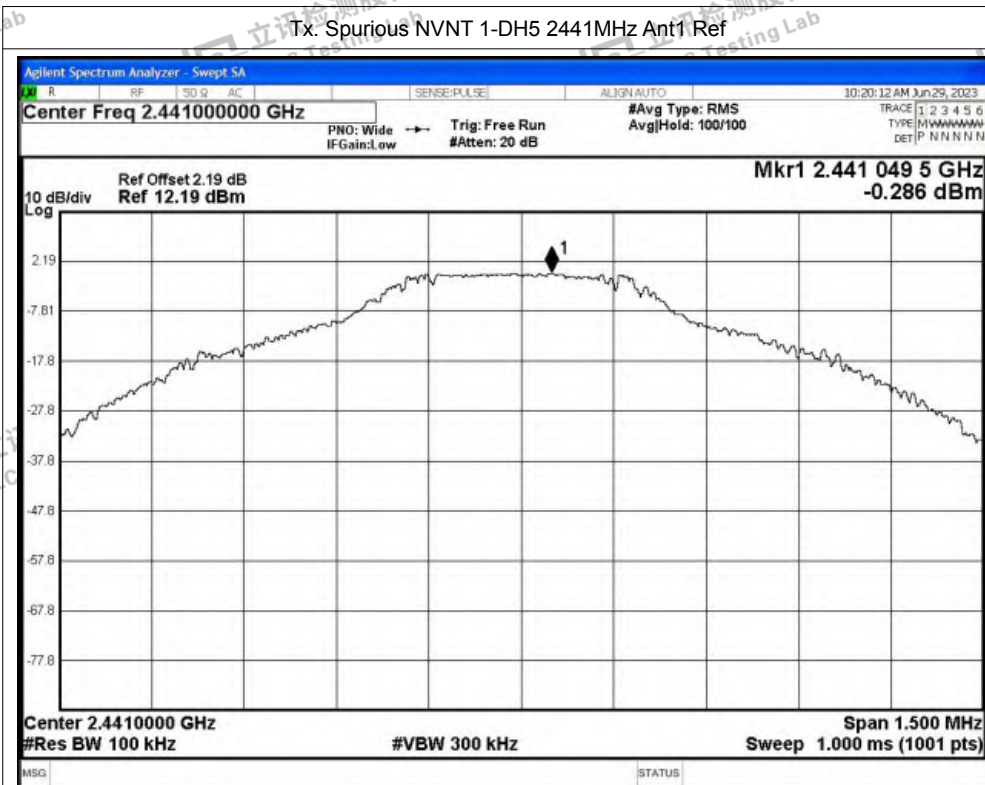
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

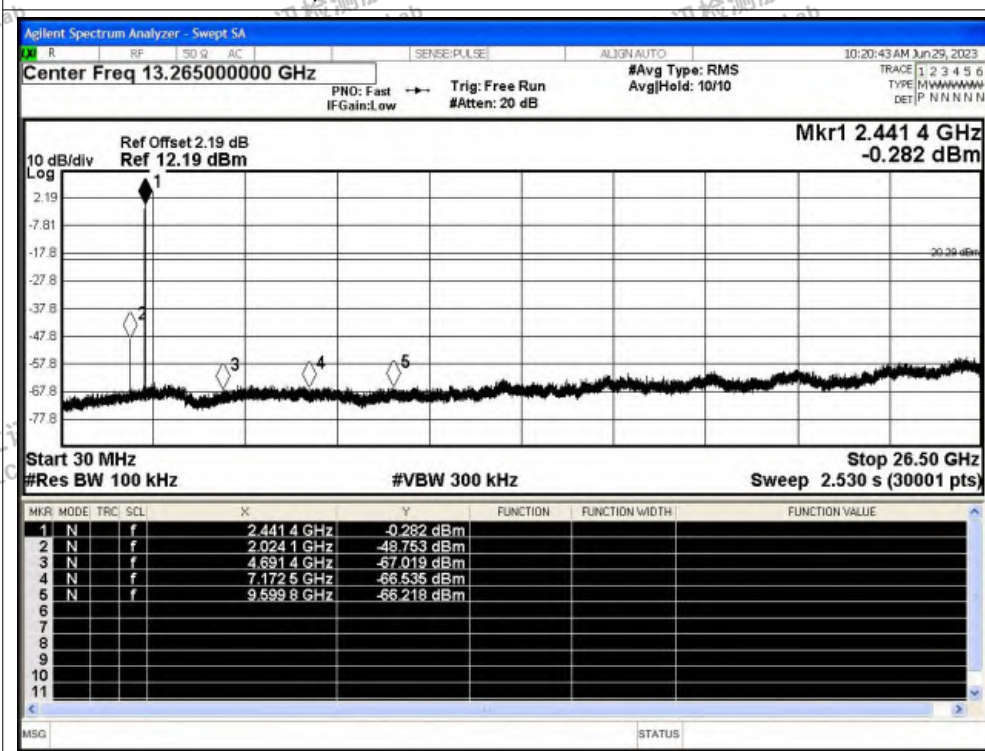
Scan code to check authenticity



Tx: Spurious NVNT 1-DH5 2441MHz Ant1 Ref



Tx: Spurious NVNT 1-DH5 2441MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

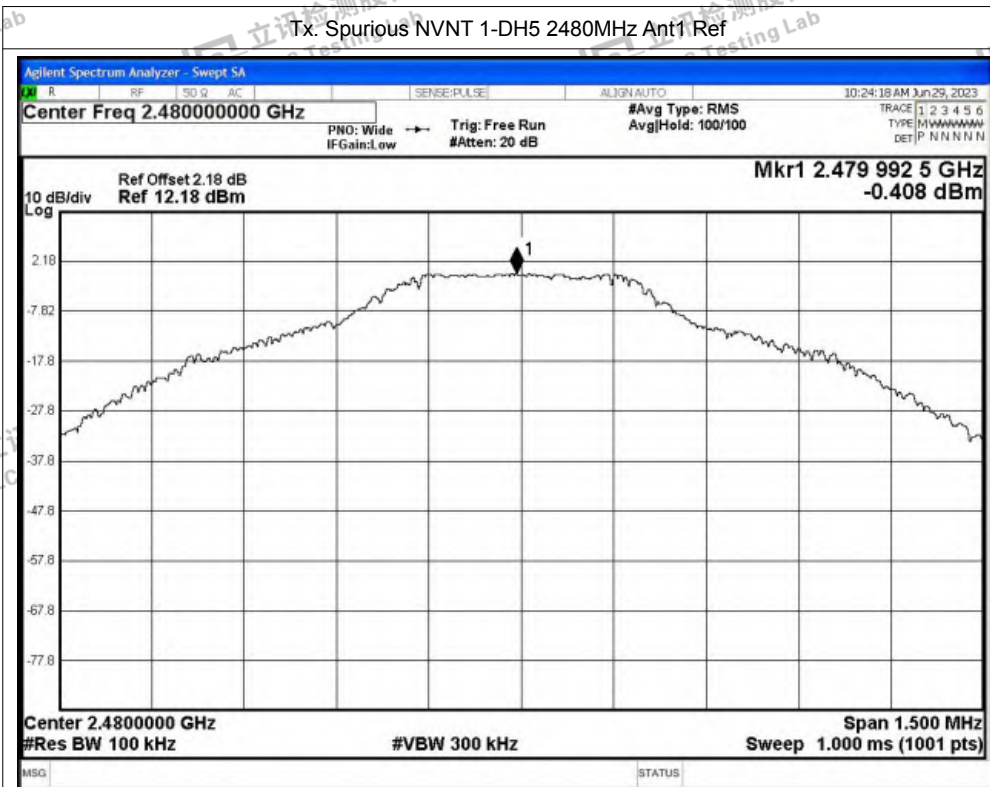
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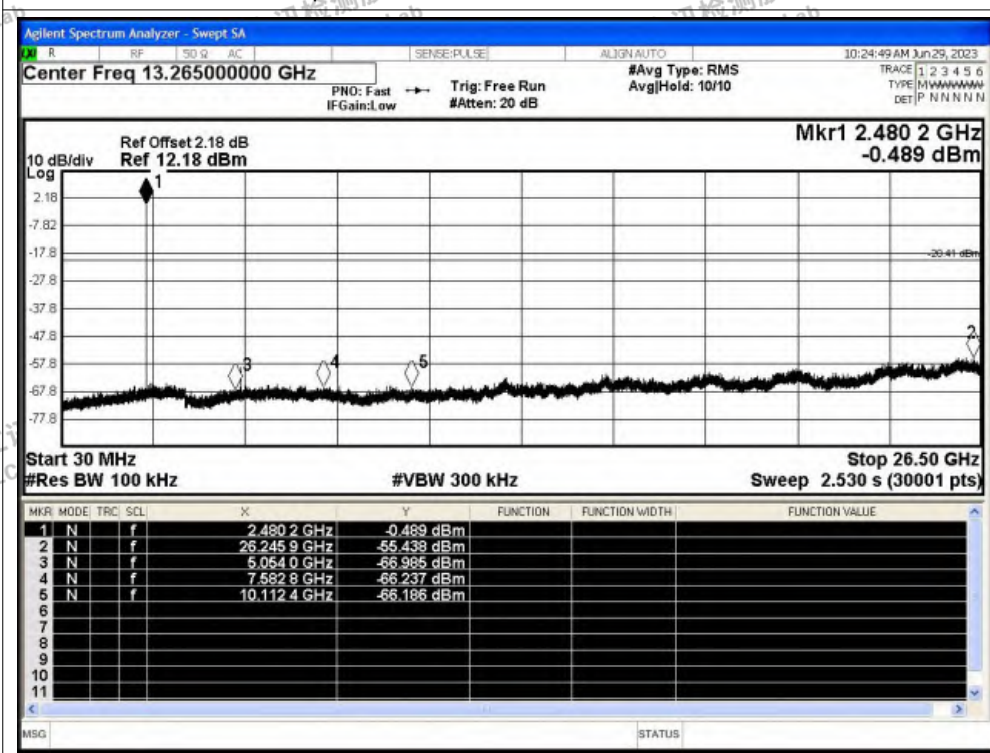
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Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

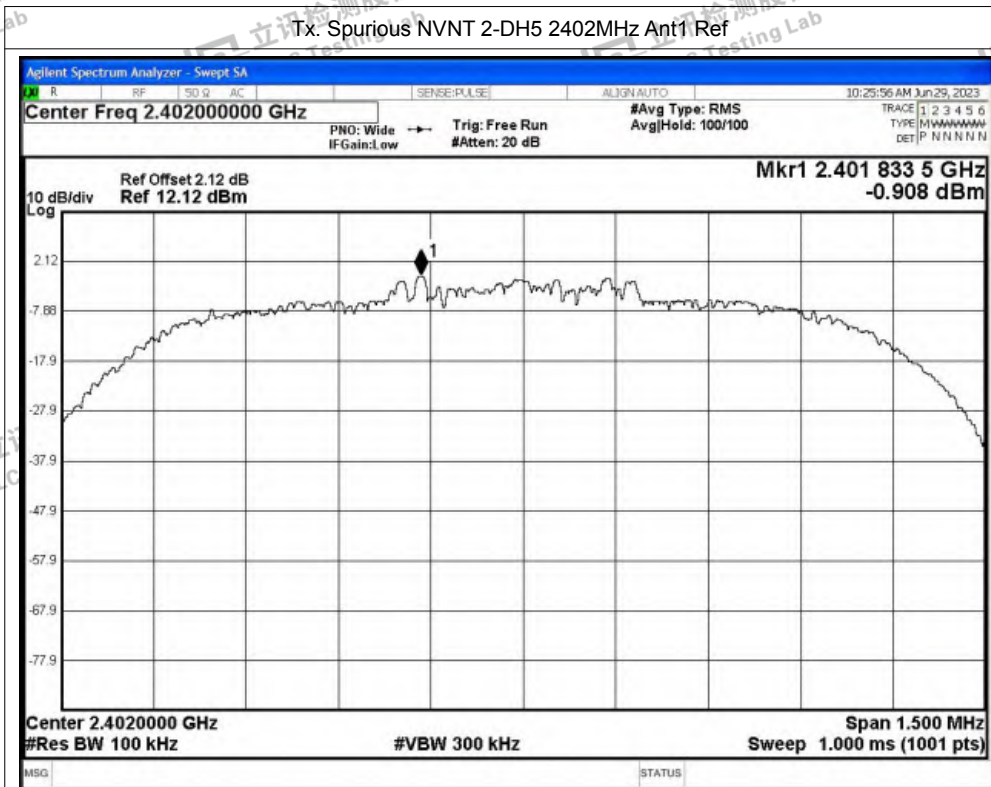
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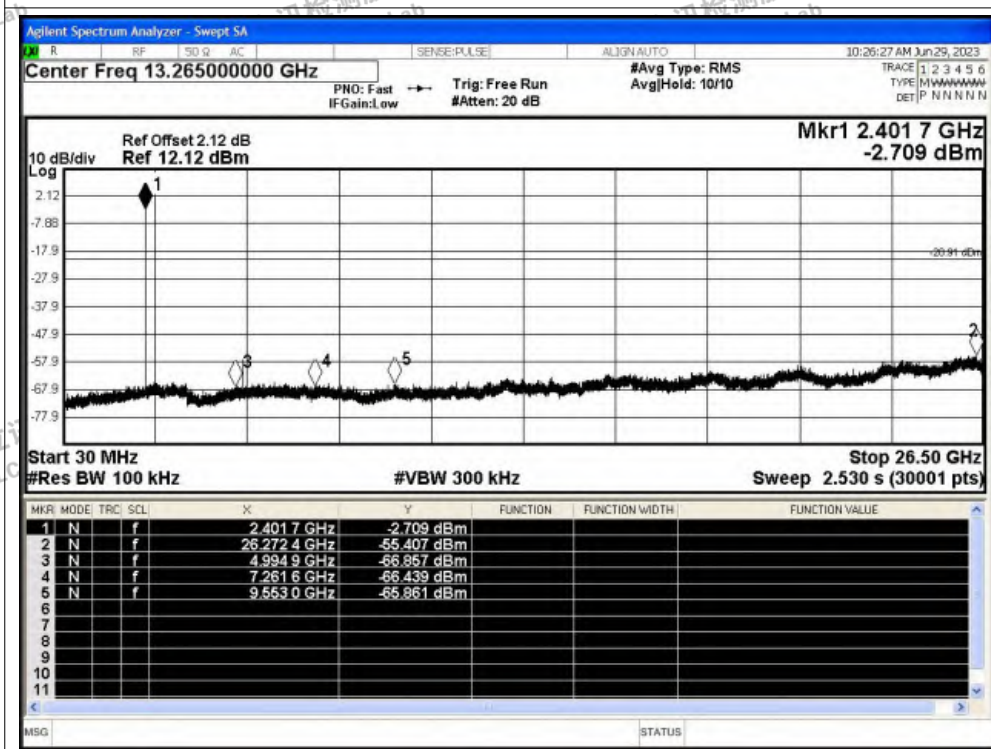
Scan code to check authenticity



Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



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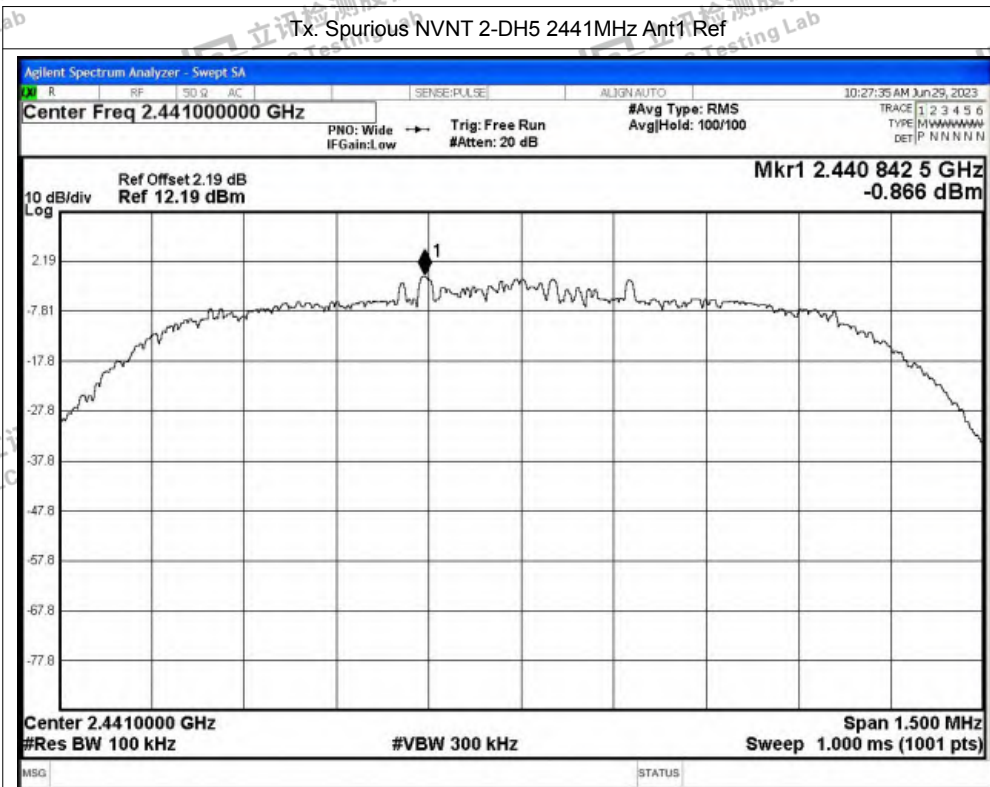
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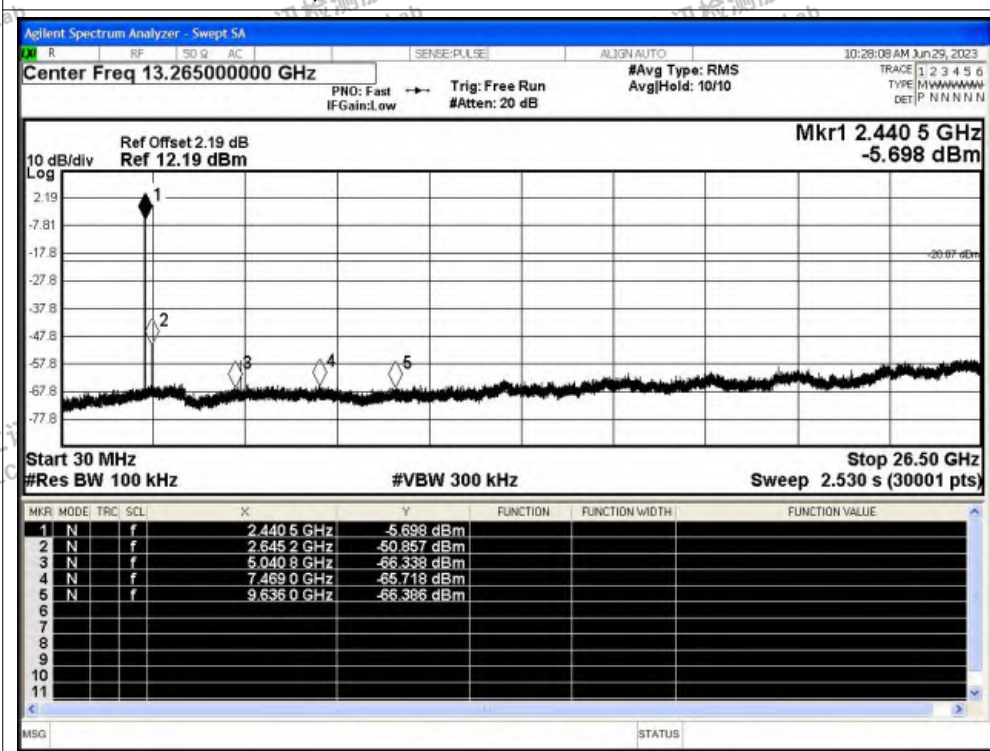
Scan code to check authenticity



Tx: Spurious NVNT 2-DH5 2441MHz Ant1 Ref



Tx: Spurious NVNT 2-DH5 2441MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

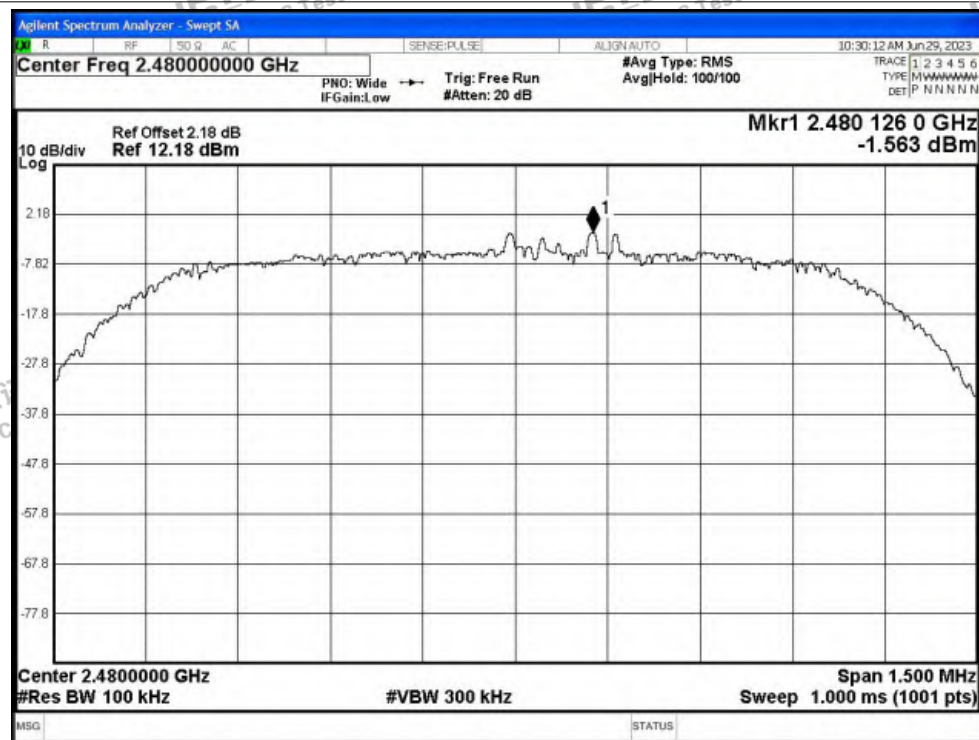
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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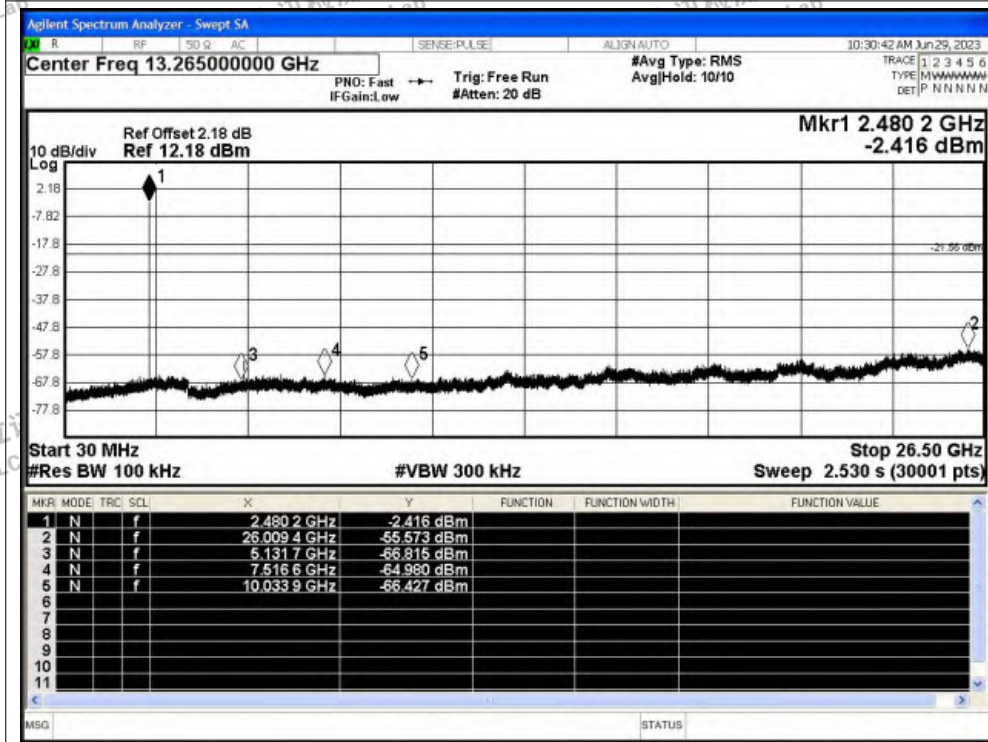
Scan code to check authenticity



Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

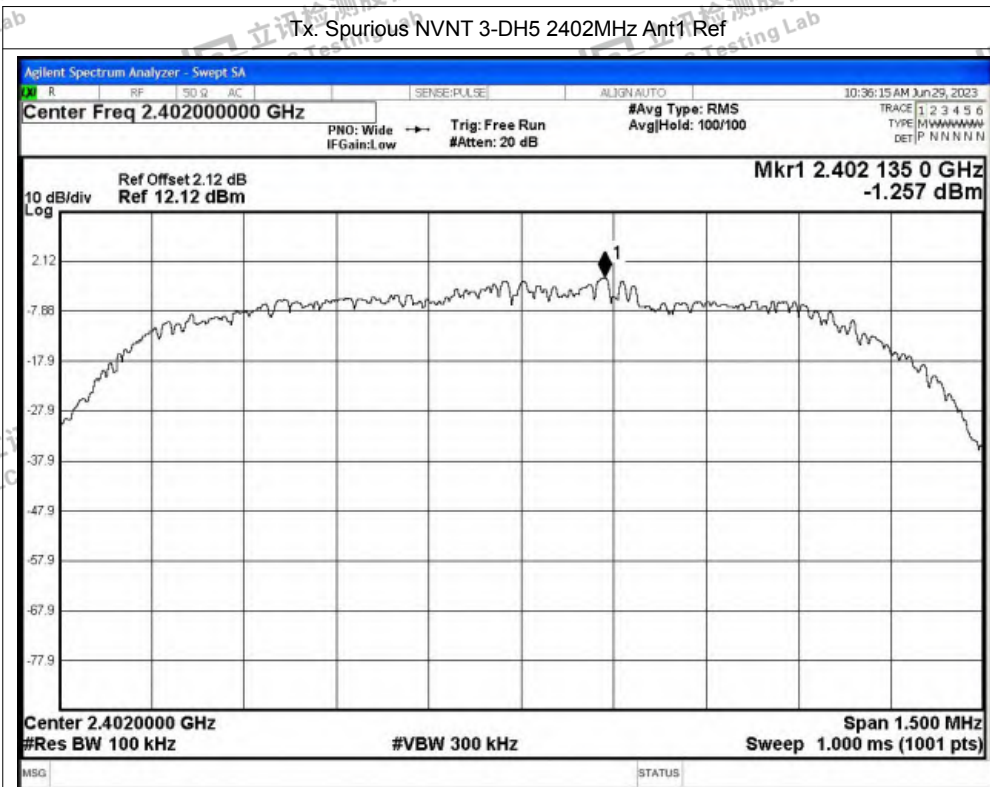
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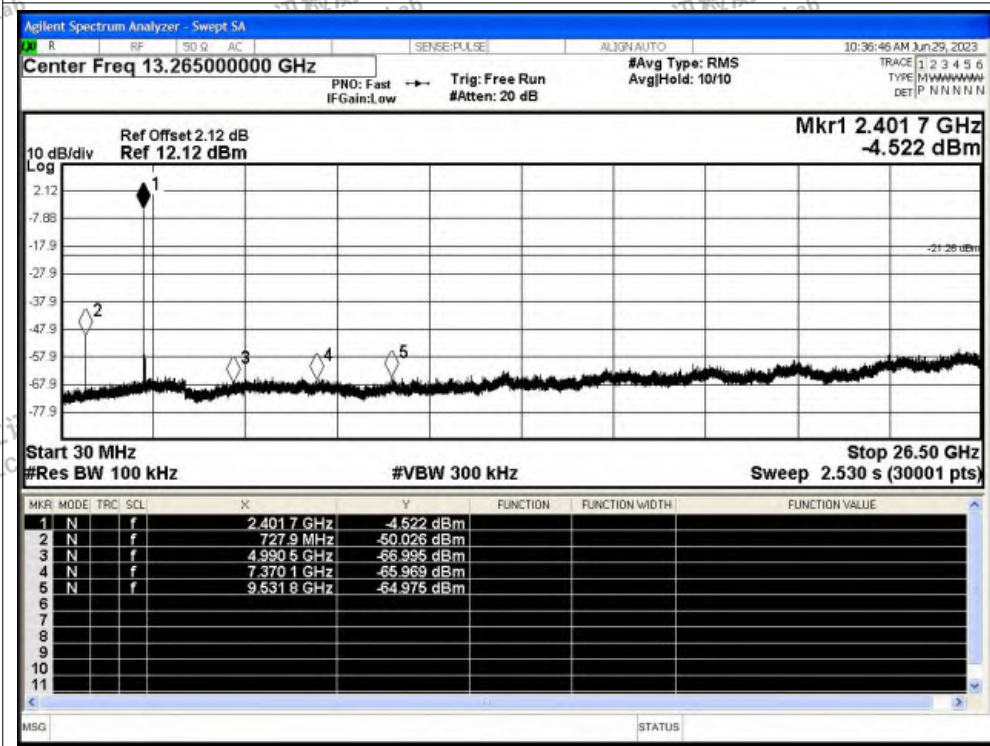
Scan code to check authenticity



Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission



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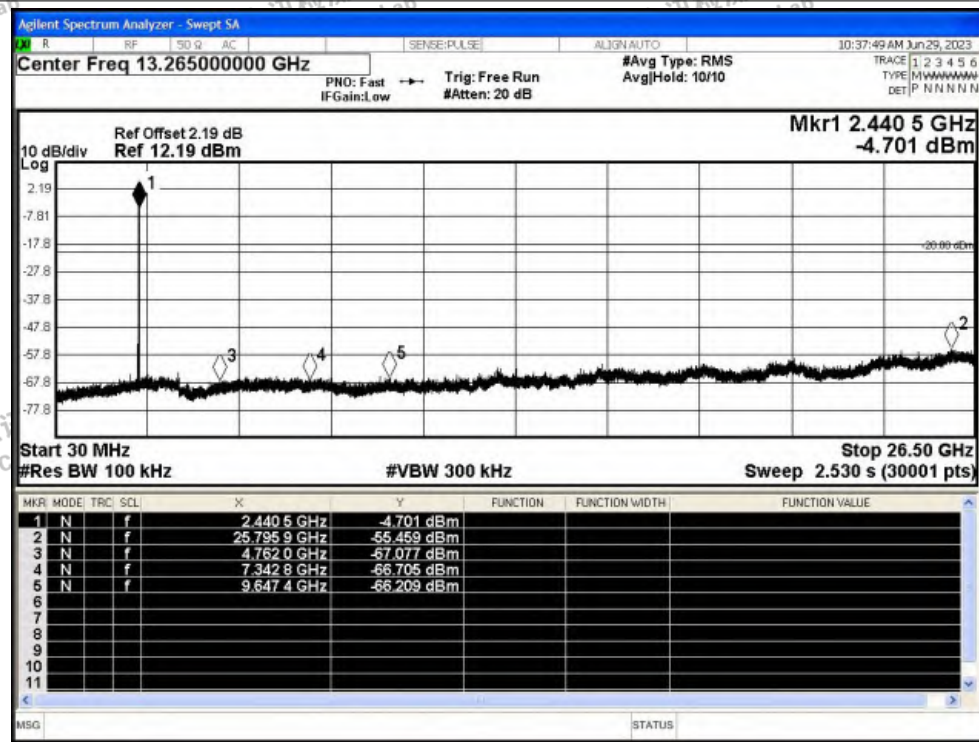
Scan code to check authenticity



Tx: Spurious NVNT 3-DH5 2441MHz Ant1 Ref



Tx: Spurious NVNT 3-DH5 2441MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

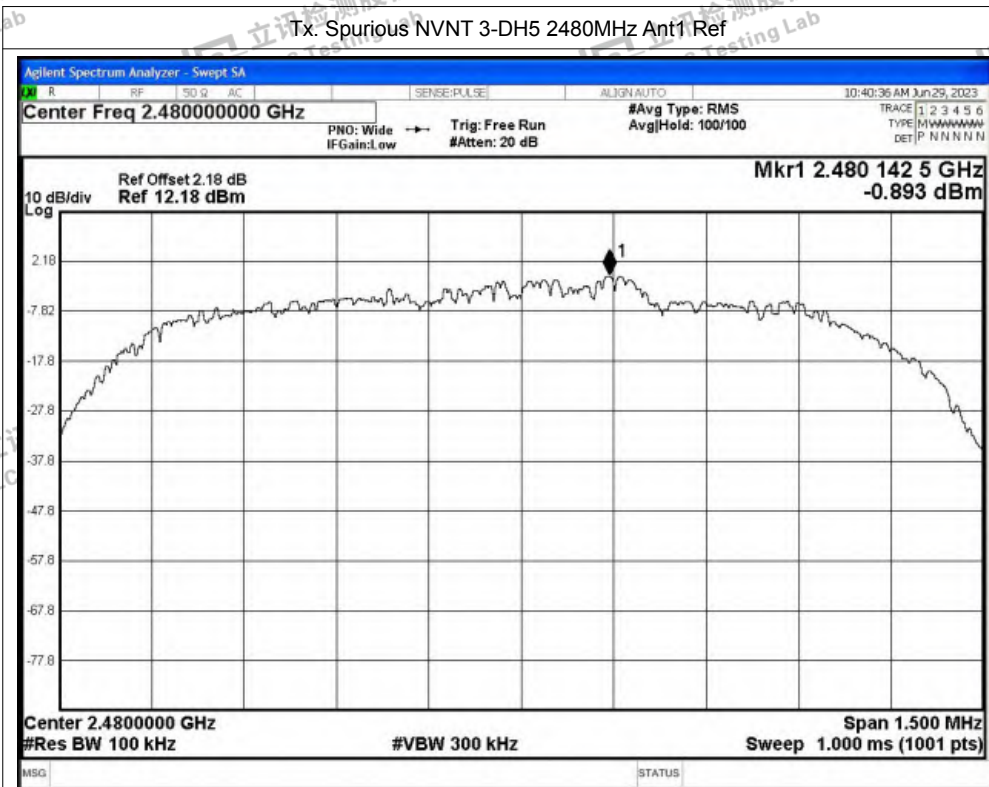
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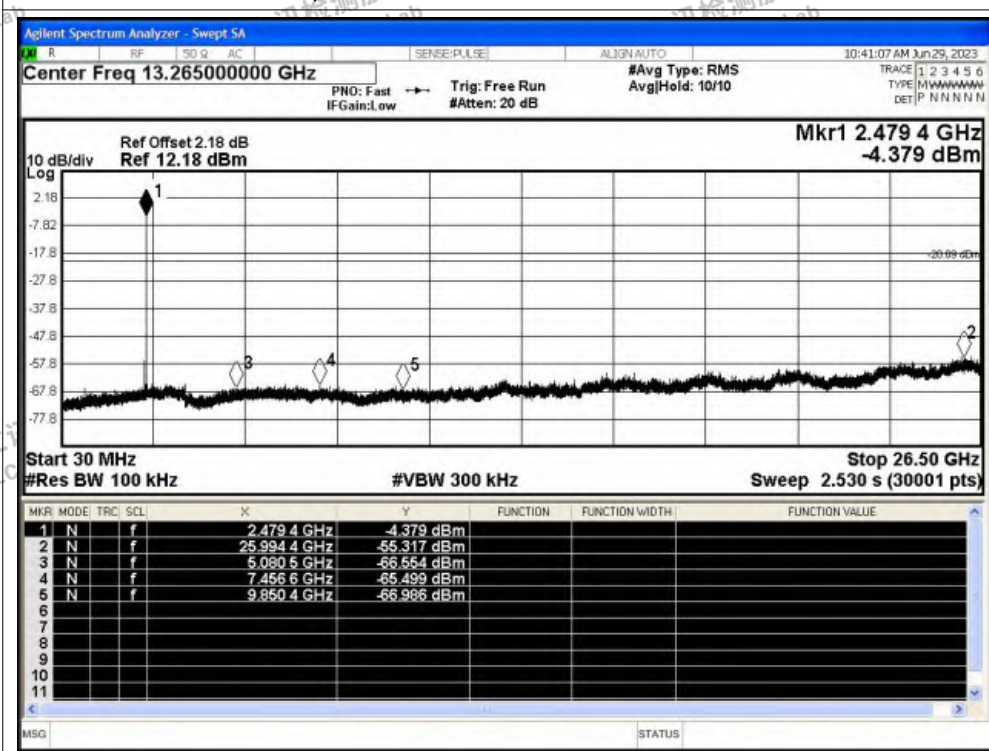
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Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission



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A.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	1-DH5	2402	Ant1	No-Hopping	2310	-50.37	2	46.89	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-57.97	2	39.29	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2371.344	-47.16	2	50.1	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2389.2	-57.49	2	39.77	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-49.54	2	47.72	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-57.7	2	39.56	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-50.06	2	47.2	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-55.91	2	41.35	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2487.376	-47.15	2	50.11	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.512	-55.91	2	41.35	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-49.99	2	47.27	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-57.42	2	39.84	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-50.46	2	46.8	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-58.18	2	39.08	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2375.76	-47.91	2	49.35	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2388.72	-57.56	2	39.7	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-50.53	2	46.73	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-57.7	2	39.56	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-50.77	2	46.49	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-55.67	2	41.59	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2484.328	-46.59	2	50.67	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.512	-55.67	2	41.59	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-50.02	2	47.24	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-57.39	2	39.87	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-50.11	2	47.15	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-58.06	2	39.2	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2331.6	-47.95	2	49.31	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2387.088	-57.54	2	39.72	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-51.19	2	46.07	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-57.75	2	39.51	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-50.61	2	46.65	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-55.61	2	41.65	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2494.624	-46.85	2	50.41	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.512	-55.61	2	41.65	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-48.12	2	49.14	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-57.42	2	39.84	Average	54	Pass



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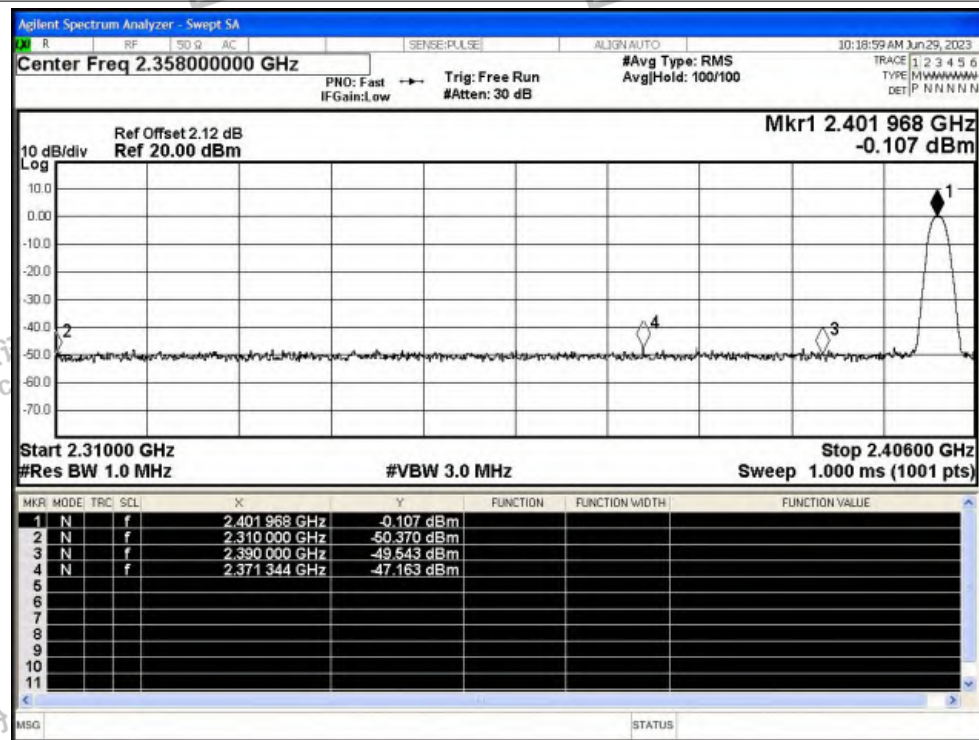
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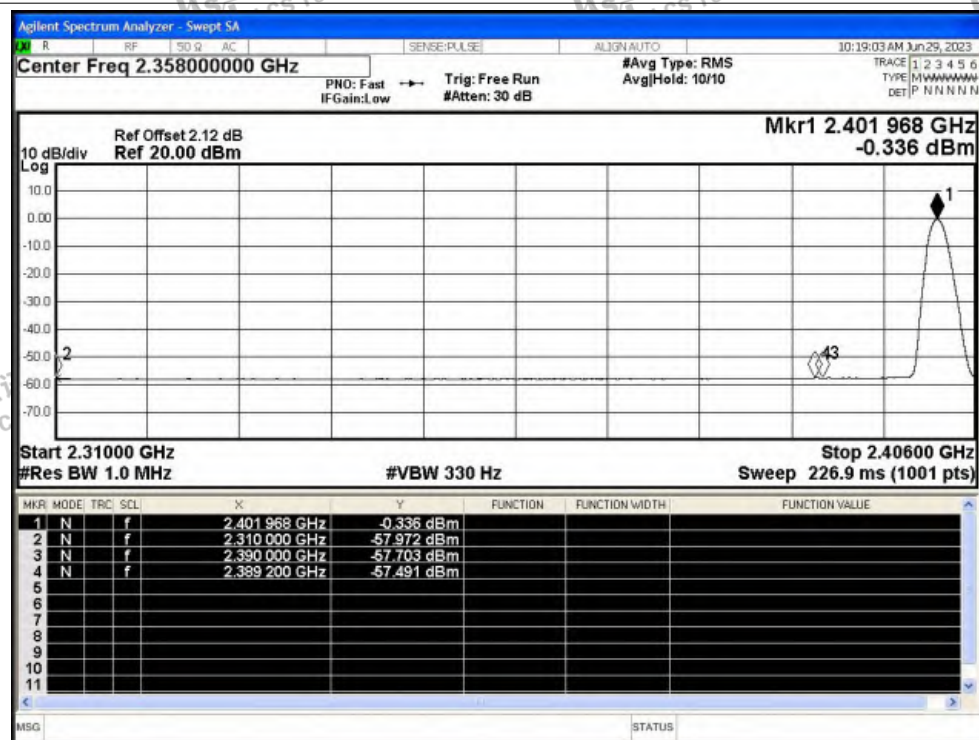


Test Graphs

Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Peak



Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

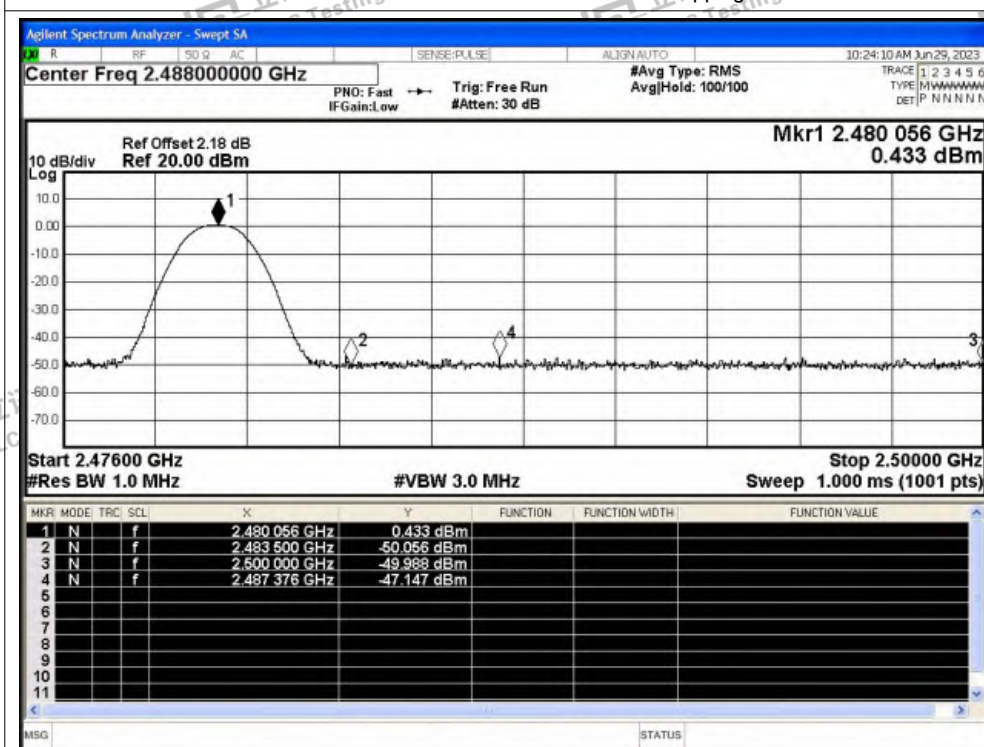
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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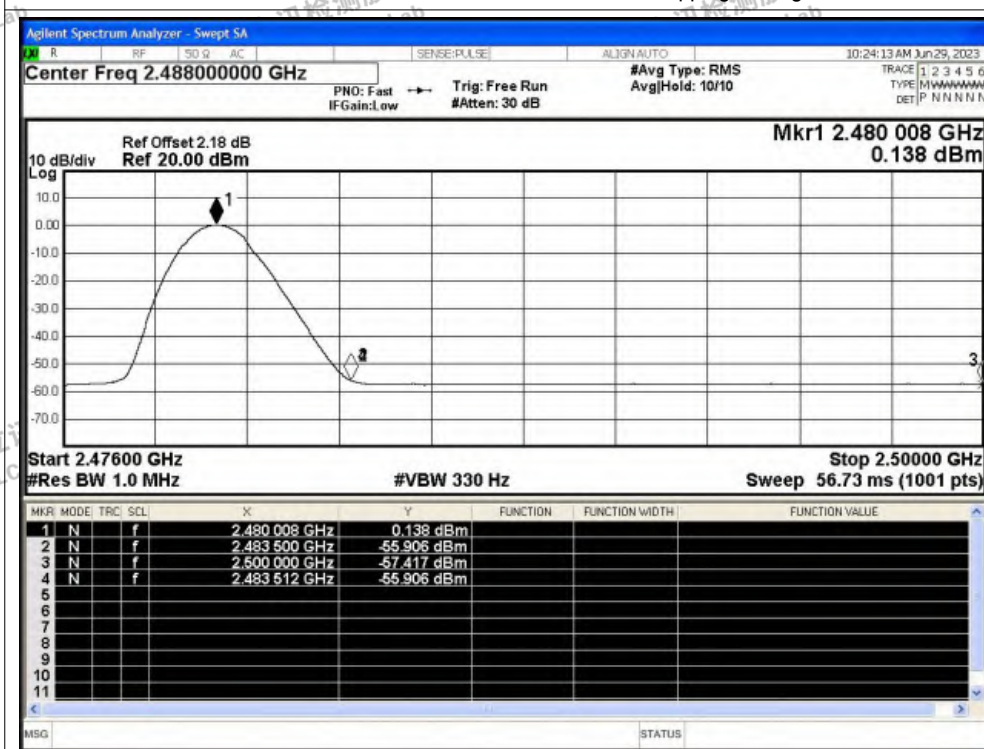
Scan code to check authenticity



Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak



Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

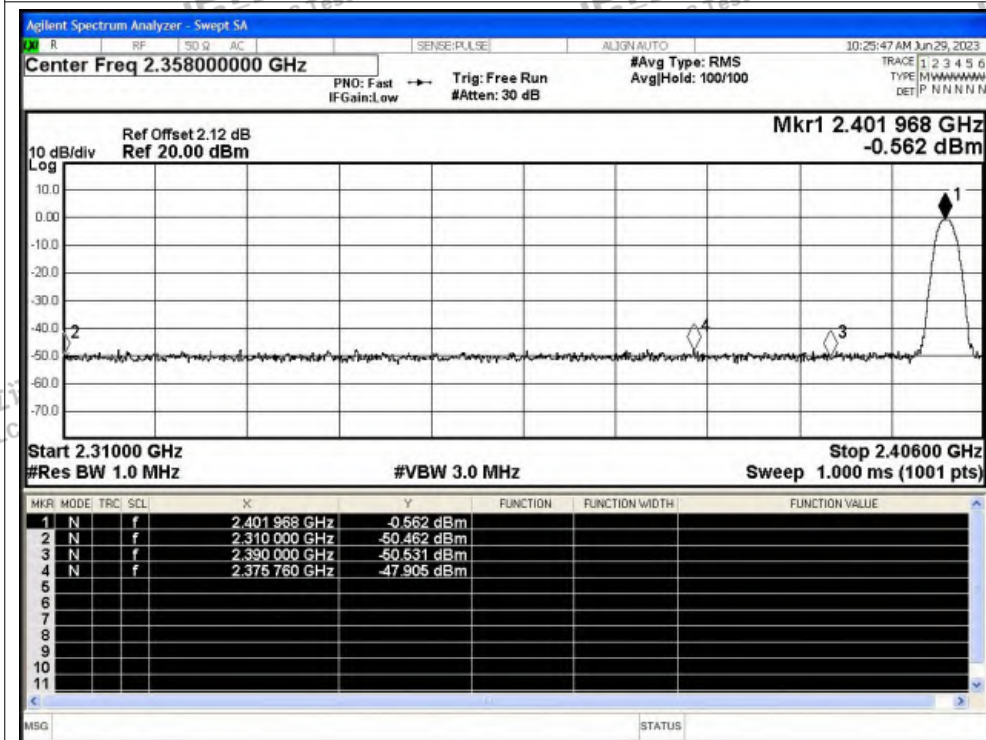
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

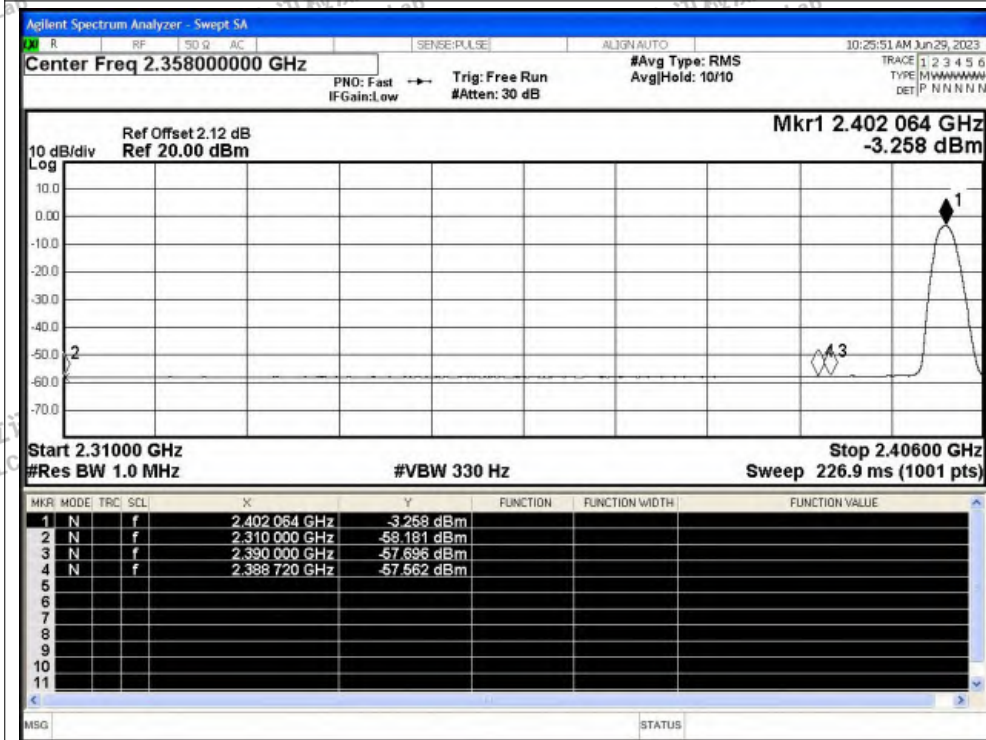
Scan code to check authenticity



Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak



Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

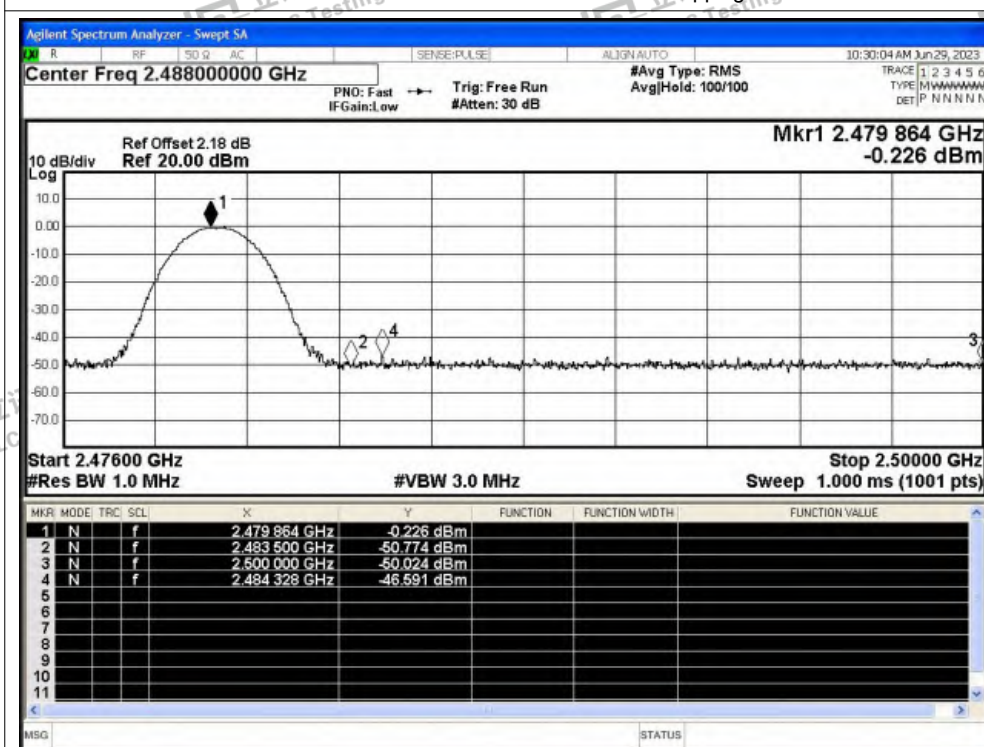
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

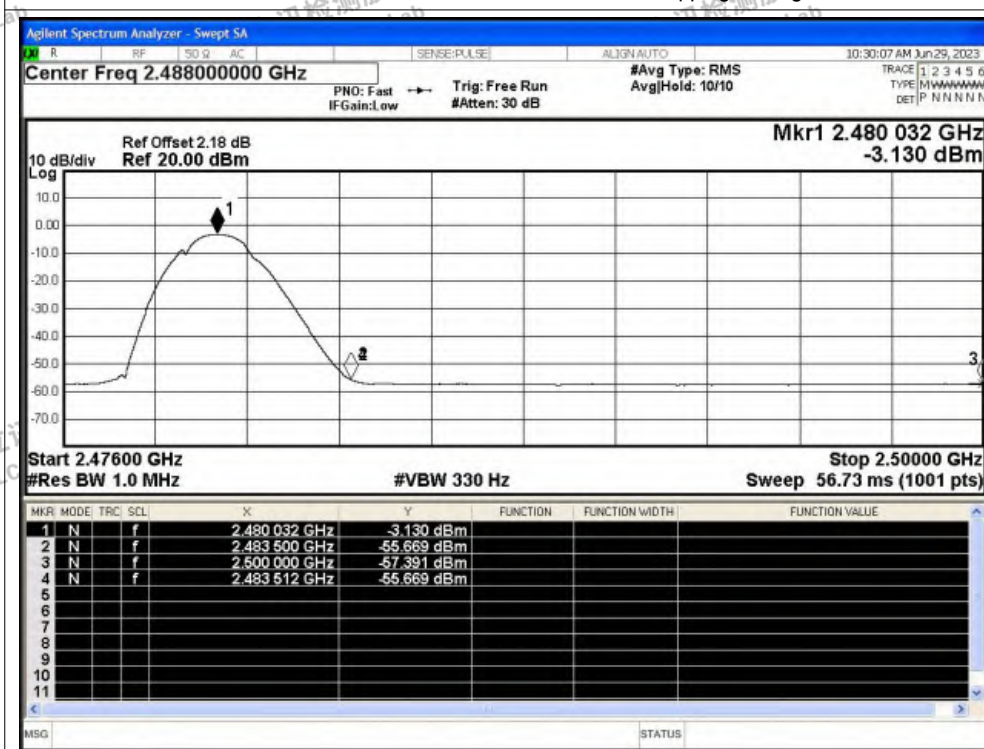
Scan code to check authenticity



Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Peak



Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

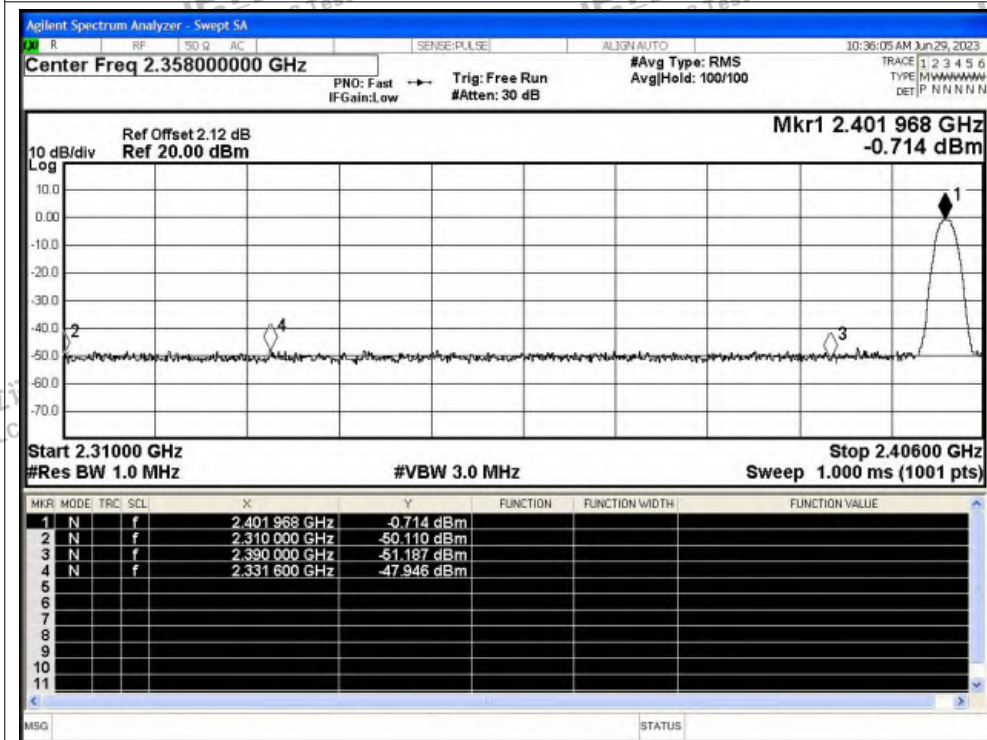
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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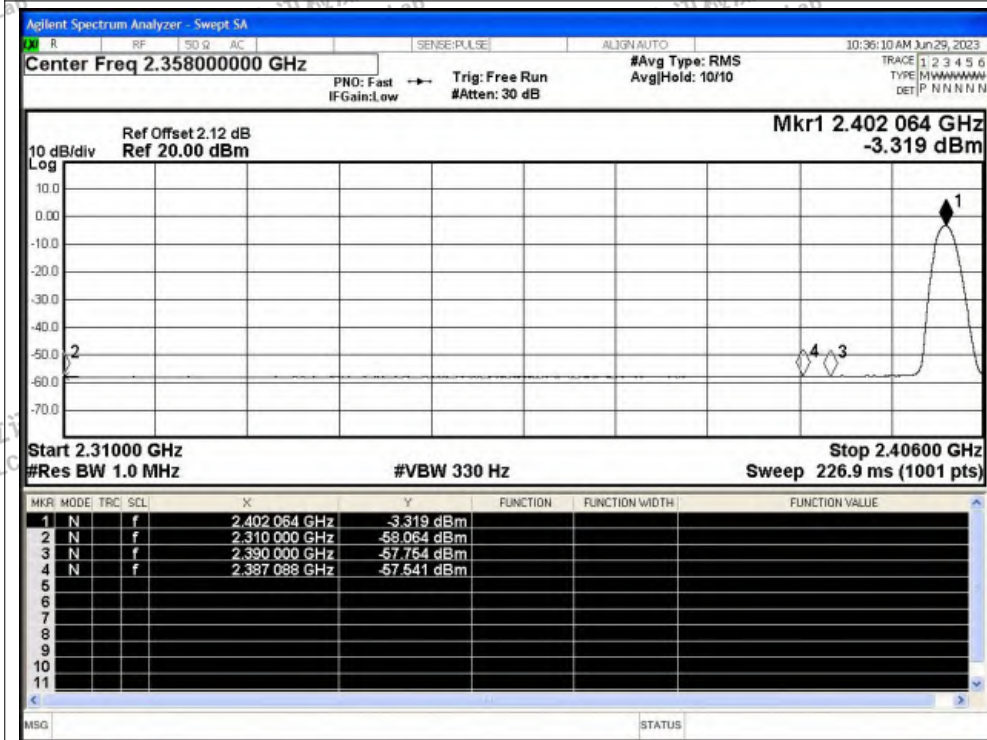
Scan code to check authenticity



Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Peak



Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Average



Shenzhen LCS Compliance Testing Laboratory Ltd.

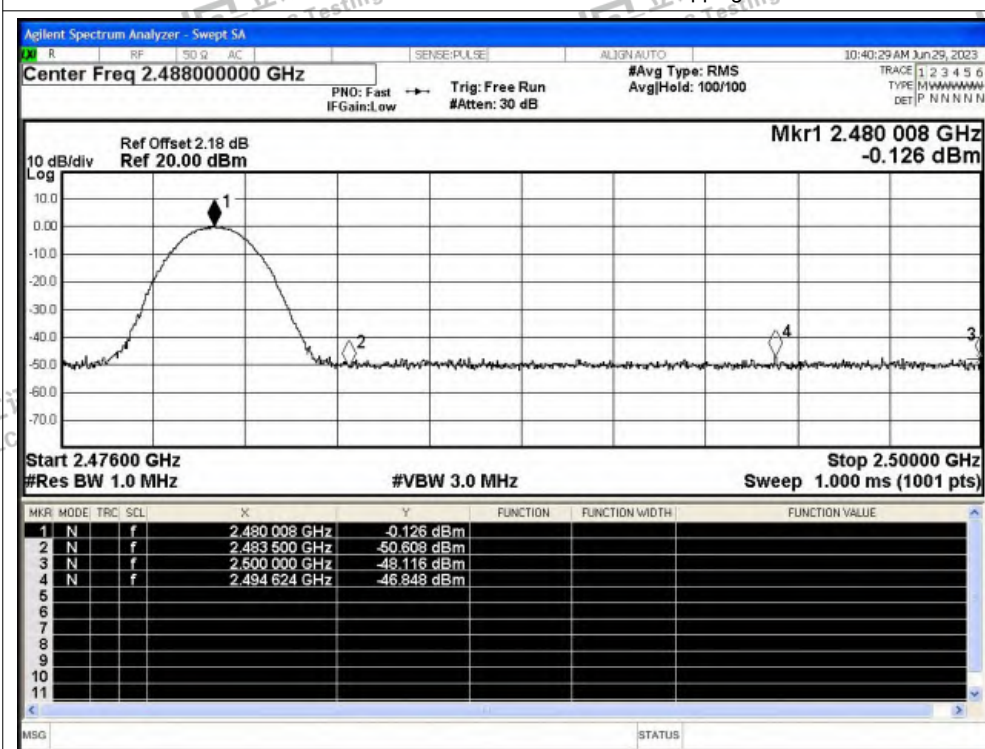
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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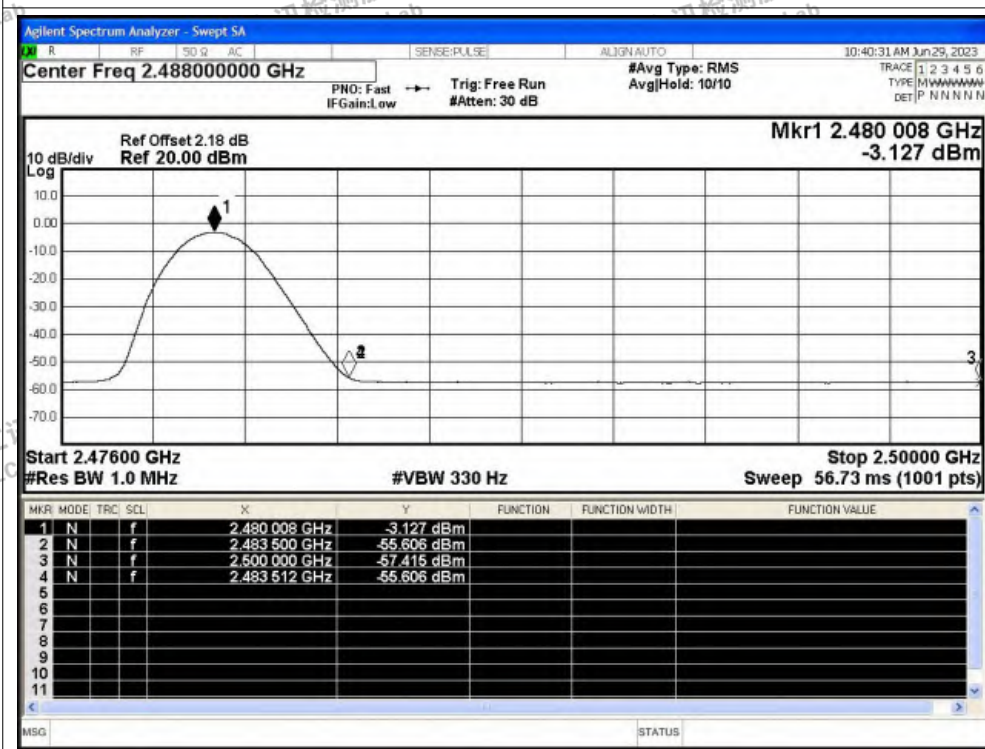
Scan code to check authenticity



Restrict Band NVNT 3-DH5 2480MHz Ant1 No-Hopping Peak



Restrict Band NVNT 3-DH5 2480MHz Ant1 No-Hopping Average



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