



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Wireless transmitter and receiver

Test Model: B06T1

Environmental Conditions

Temperature:	23.5 ° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Bill Zhu
Supervised by:	Li Huan



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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	1.031	0	Pass
NVNT	1-DH5	2441	Ant1	1.012	0	Pass
NVNT	1-DH5	2480	Ant1	0.959	0	Pass
NVNT	2-DH5	2402	Ant1	1.311	0	Pass
NVNT	2-DH5	2441	Ant1	1.319	0	Pass
NVNT	2-DH5	2480	Ant1	1.323	0	Pass
NVNT	3-DH5	2402	Ant1	1.301	0	Pass
NVNT	3-DH5	2441	Ant1	1.295	0	Pass
NVNT	3-DH5	2480	Ant1	1.283	0	Pass



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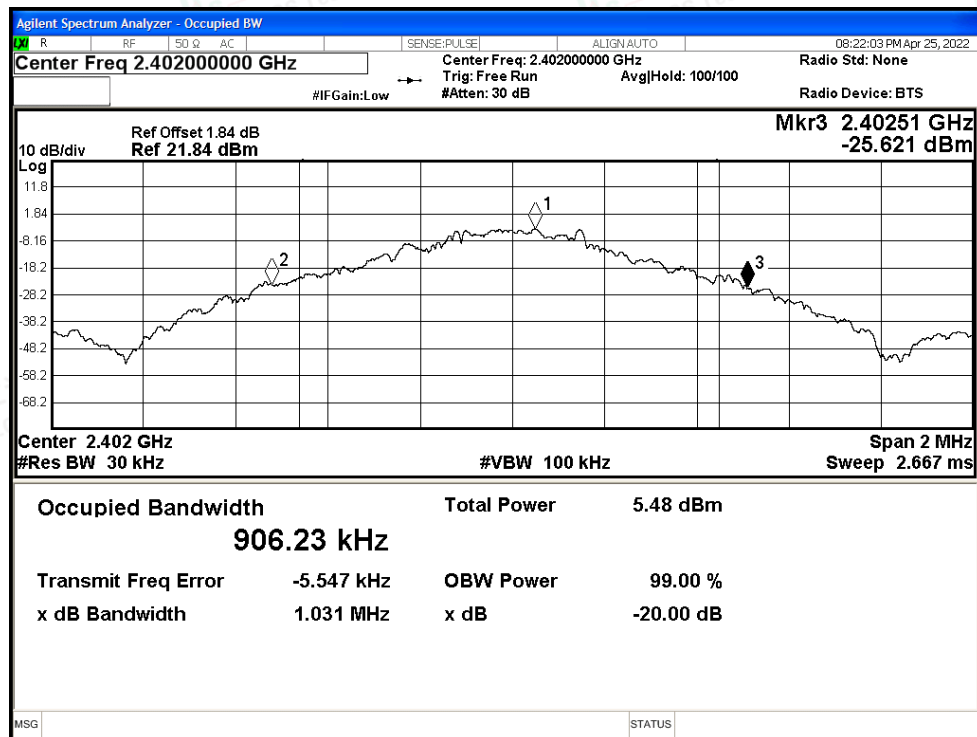
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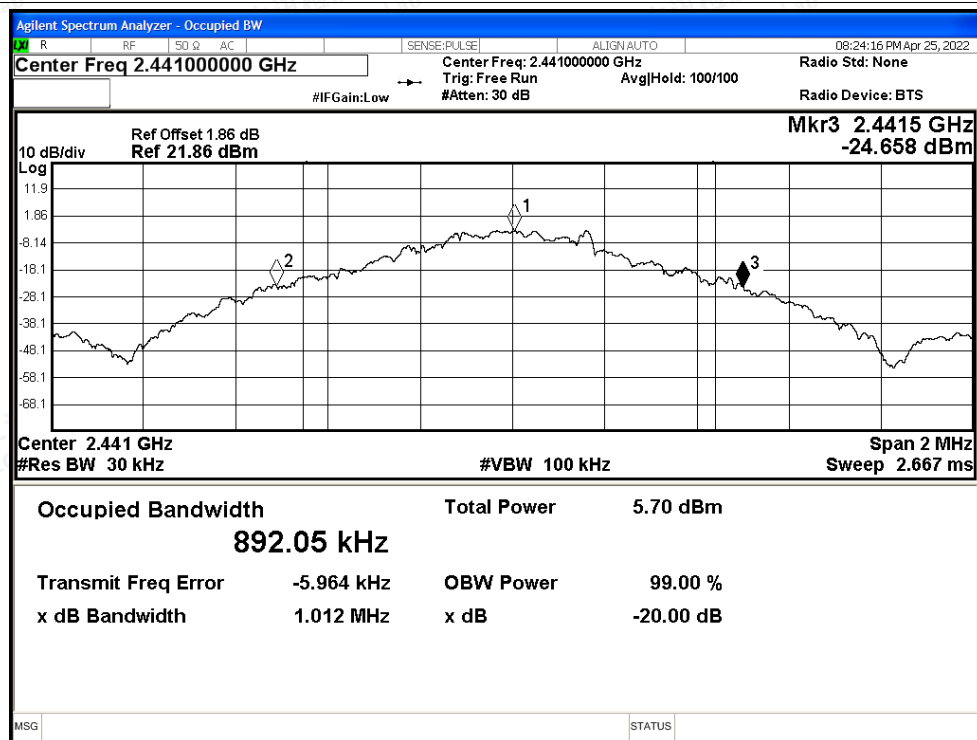


Test Graphs

20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



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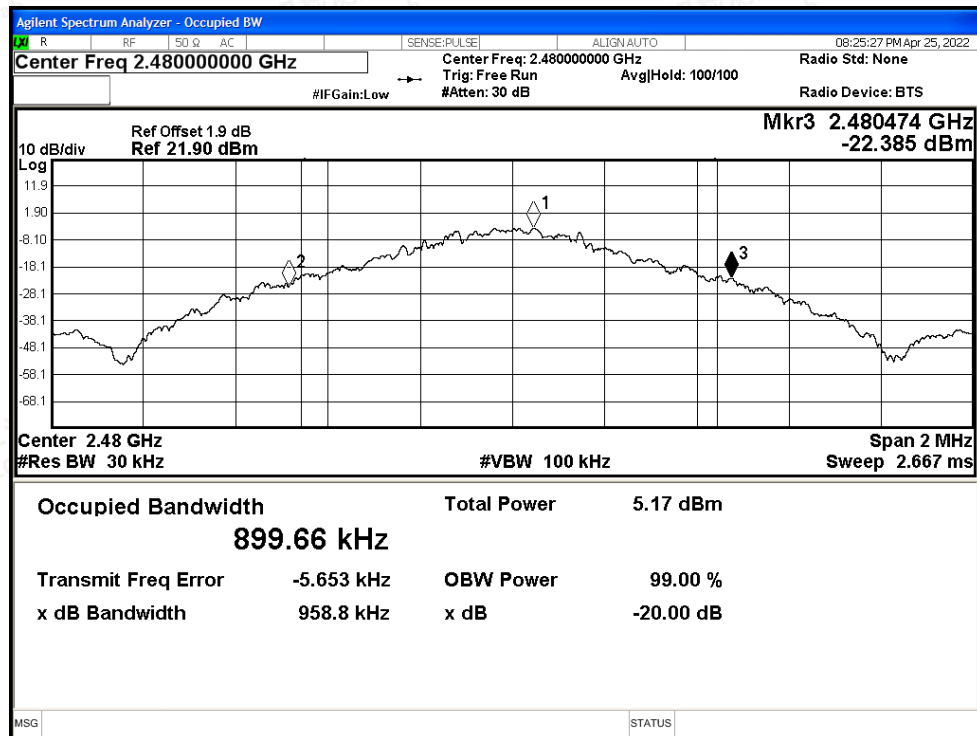
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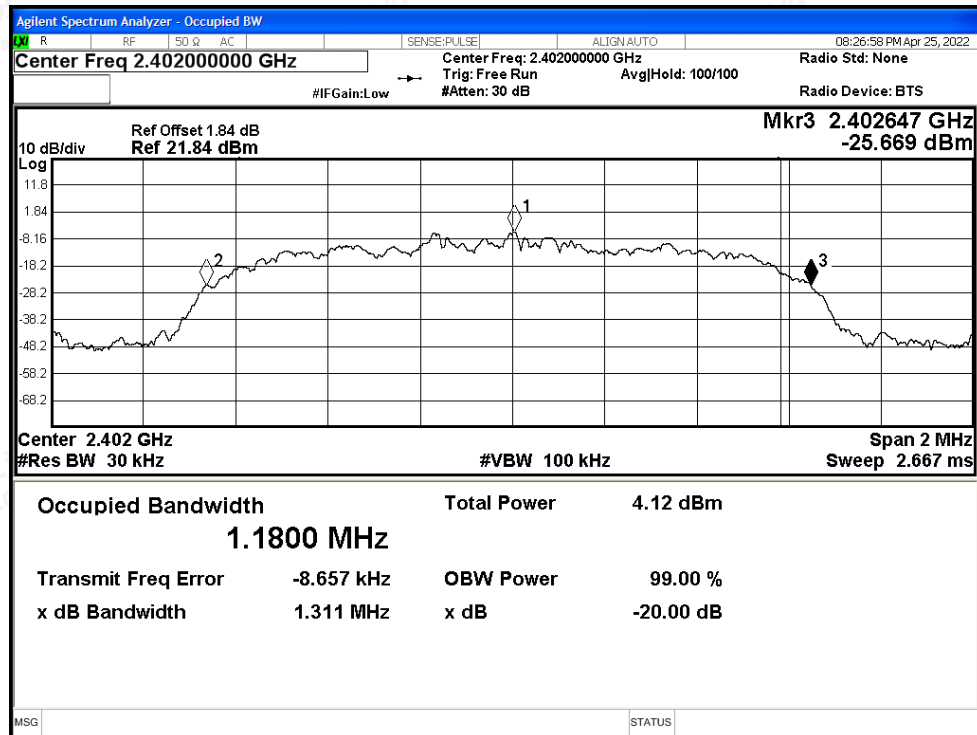
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20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



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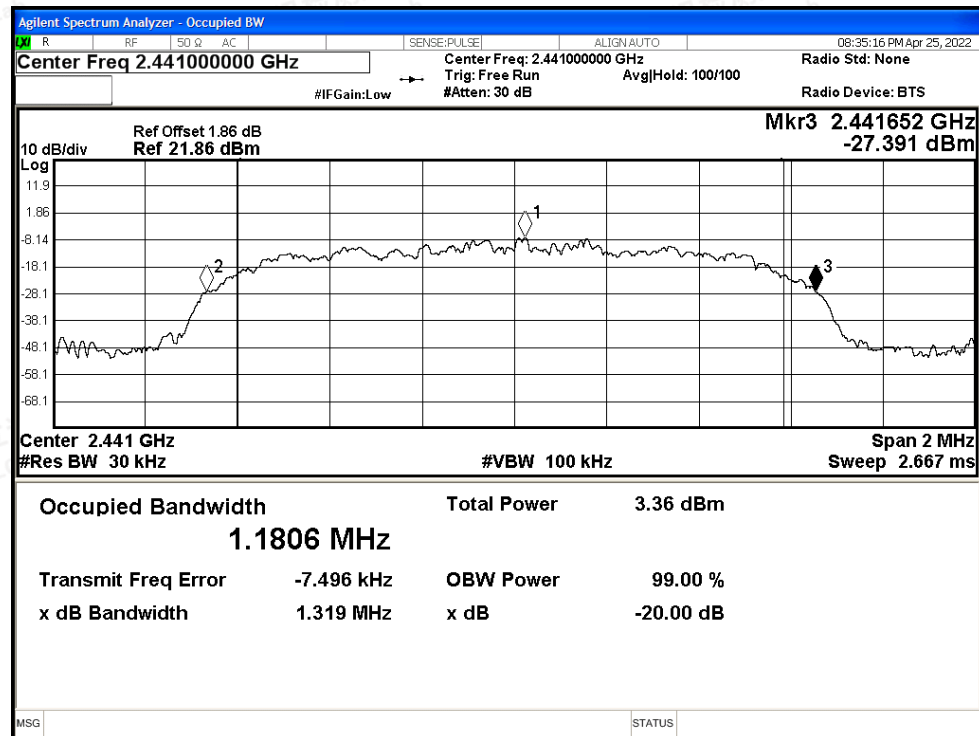
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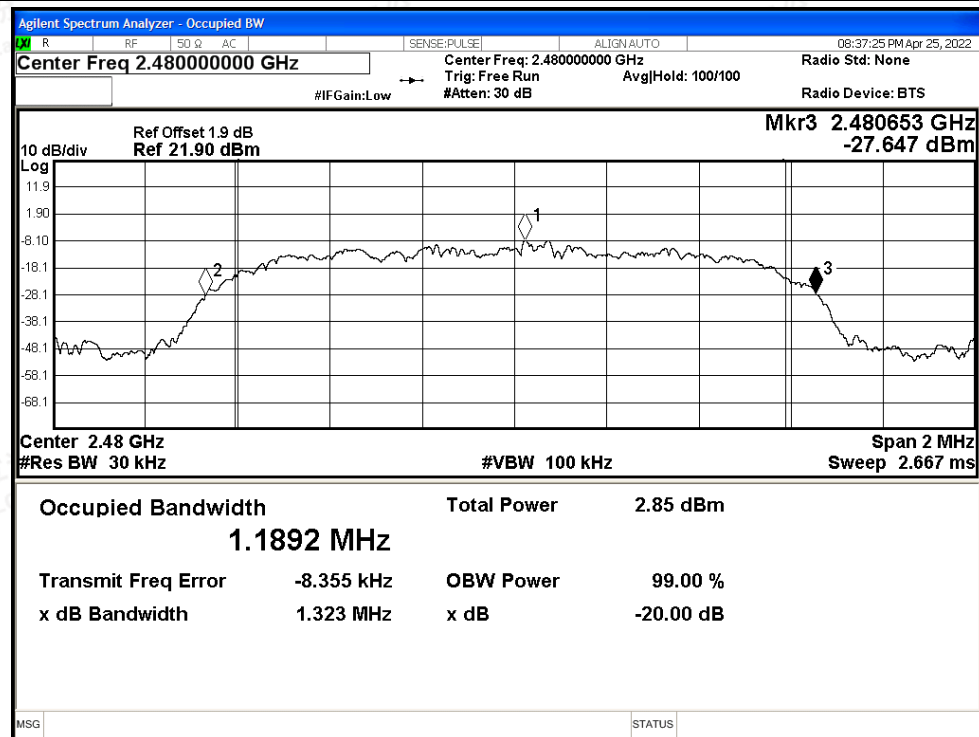
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20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



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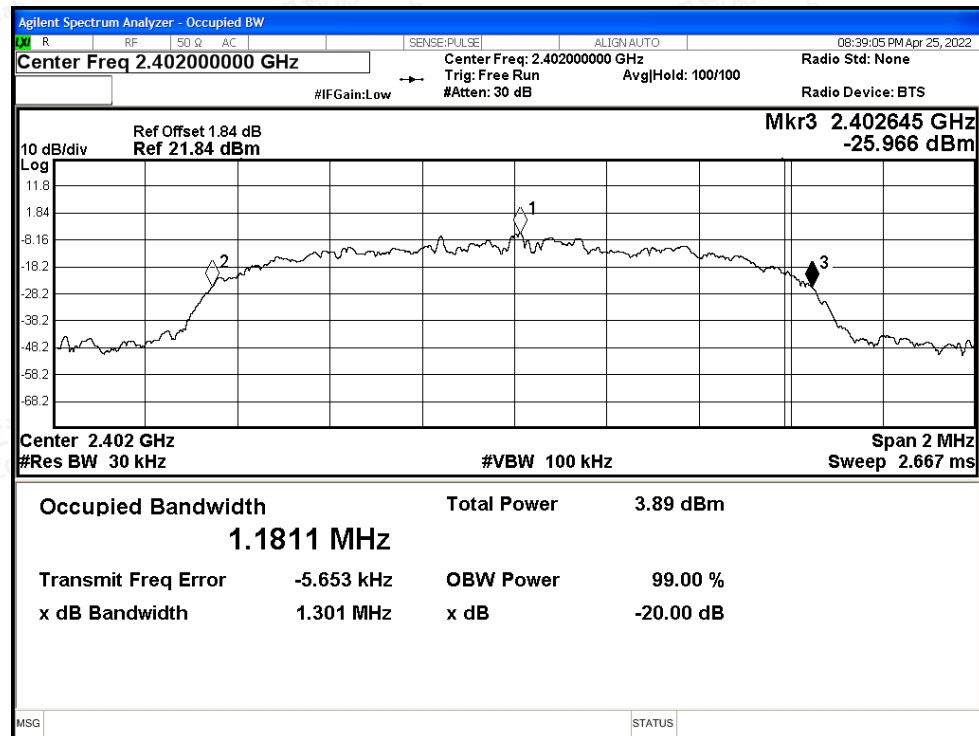
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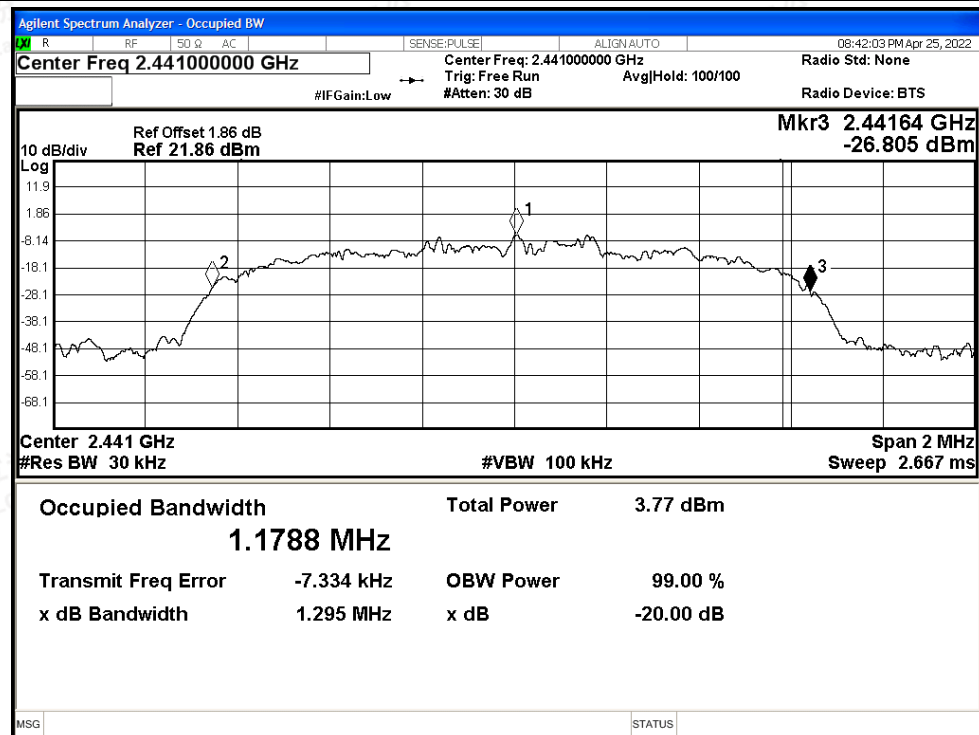
Scan code to check authenticity



20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



20dB Bandwidth NVNT 3-DH5 2441MHz Ant1

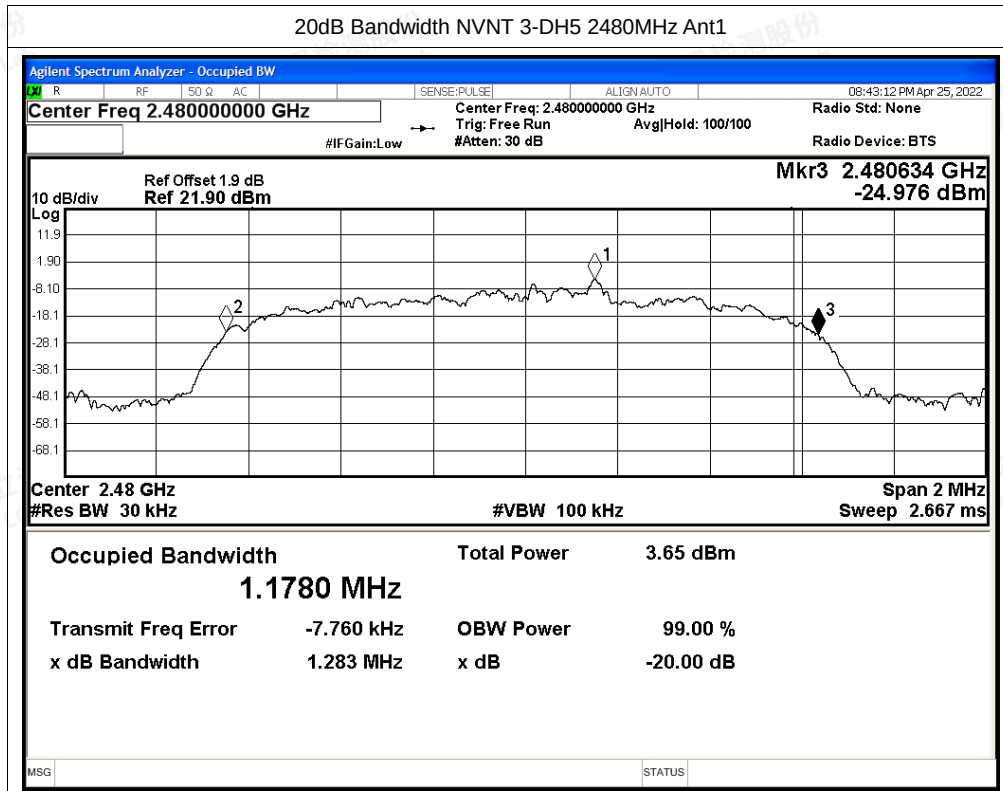


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A.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-0.38	21	Pass
NVNT	1-DH5	2441	Ant1	-0.59	21	Pass
NVNT	1-DH5	2480	Ant1	-0.54	21	Pass
NVNT	2-DH5	2402	Ant1	-0.65	21	Pass
NVNT	2-DH5	2441	Ant1	-0.7	21	Pass
NVNT	2-DH5	2480	Ant1	-0.95	21	Pass
NVNT	3-DH5	2402	Ant1	-0.73	21	Pass
NVNT	3-DH5	2441	Ant1	-0.87	21	Pass
NVNT	3-DH5	2480	Ant1	-1.03	21	Pass



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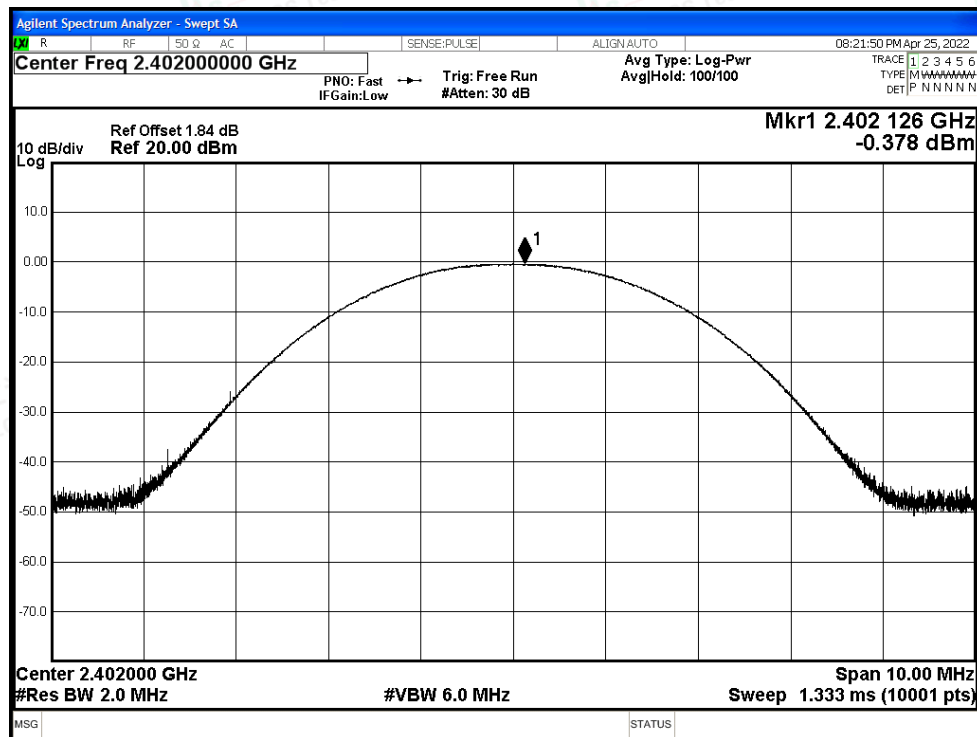
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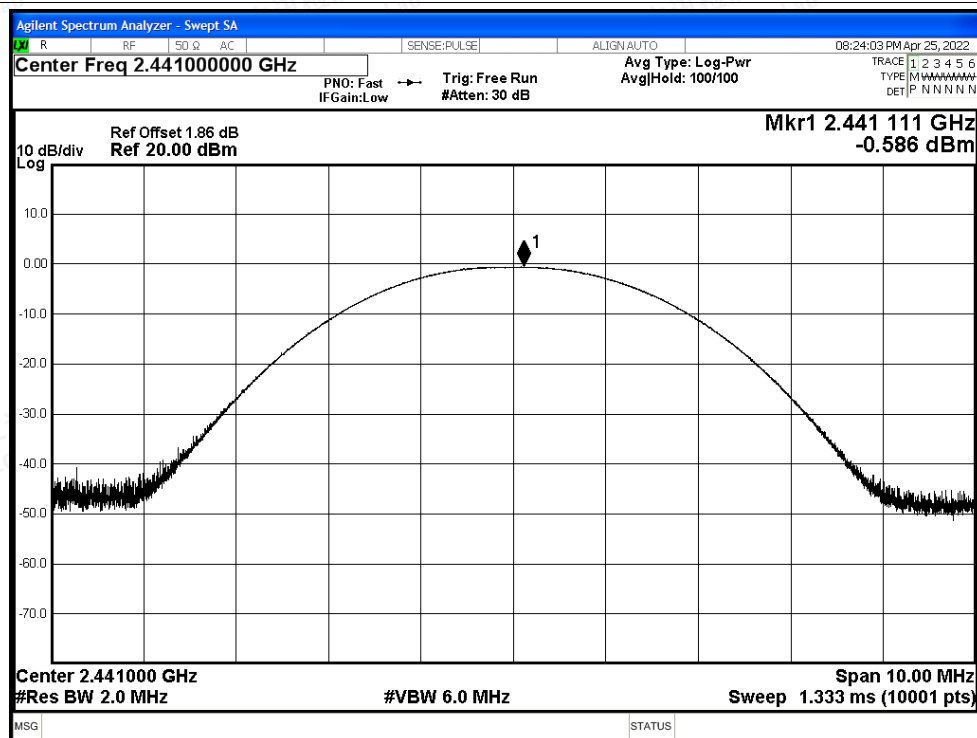


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1



Power NVNT 1-DH5 2441MHz Ant1

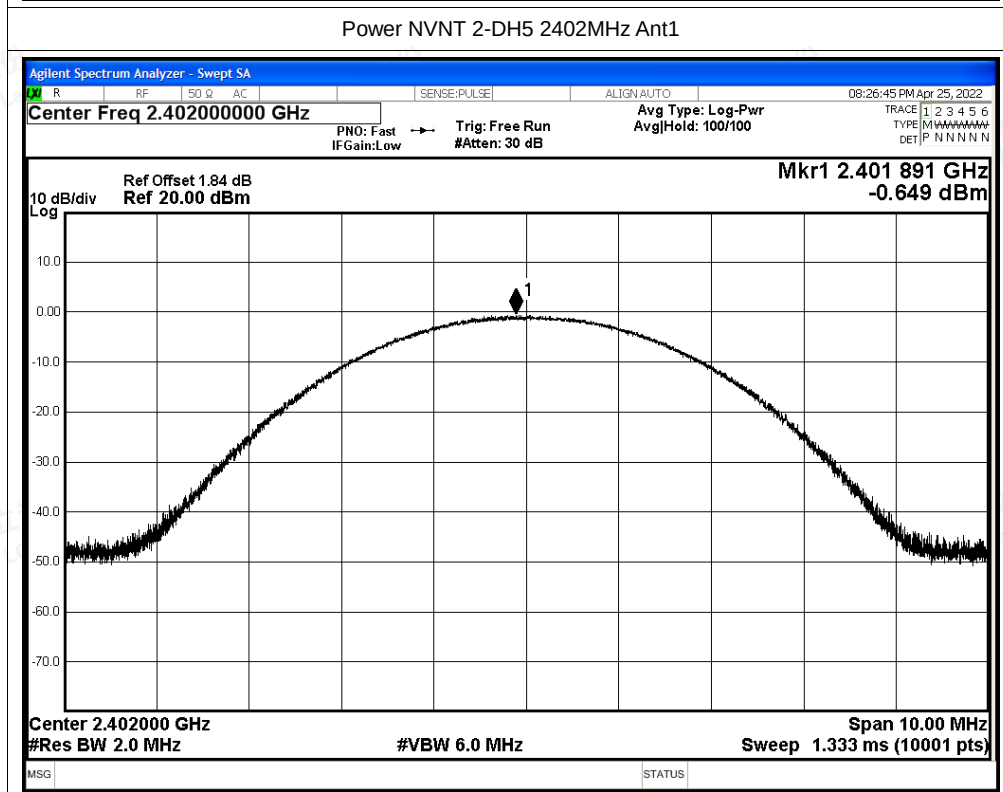
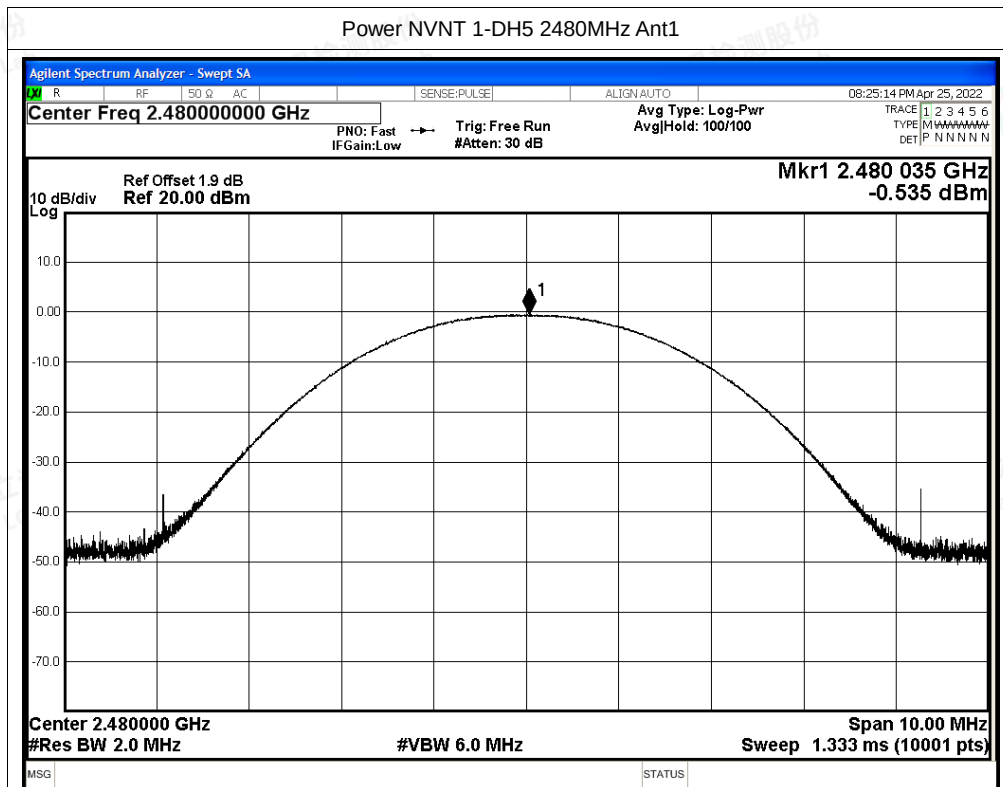


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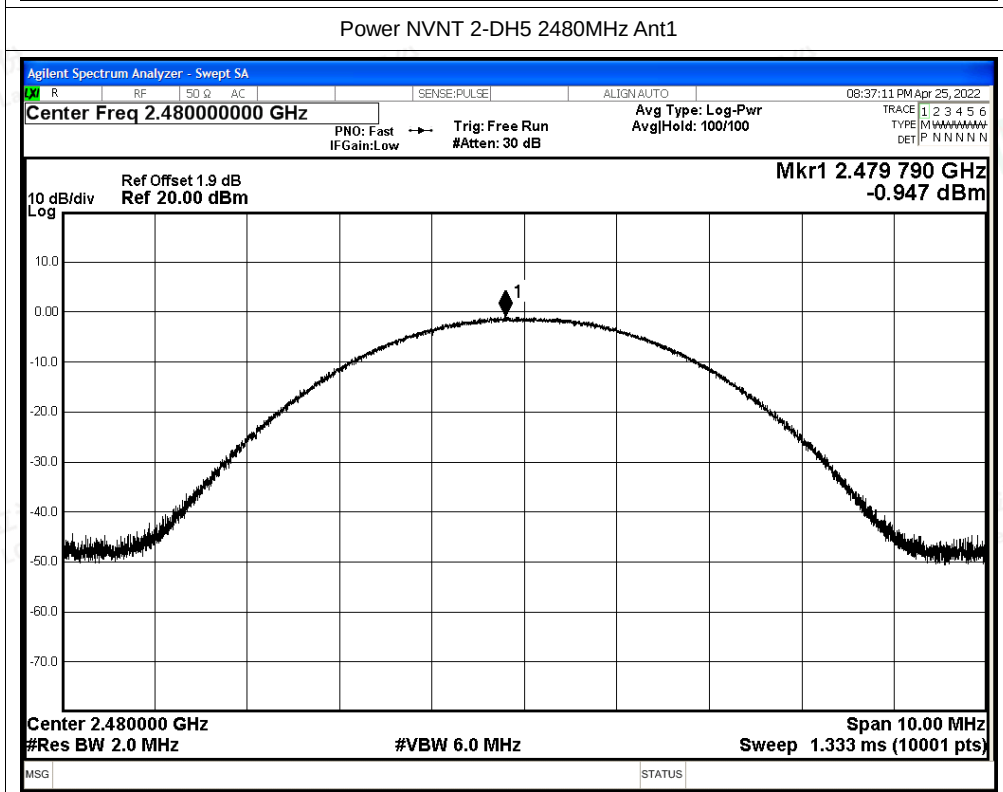
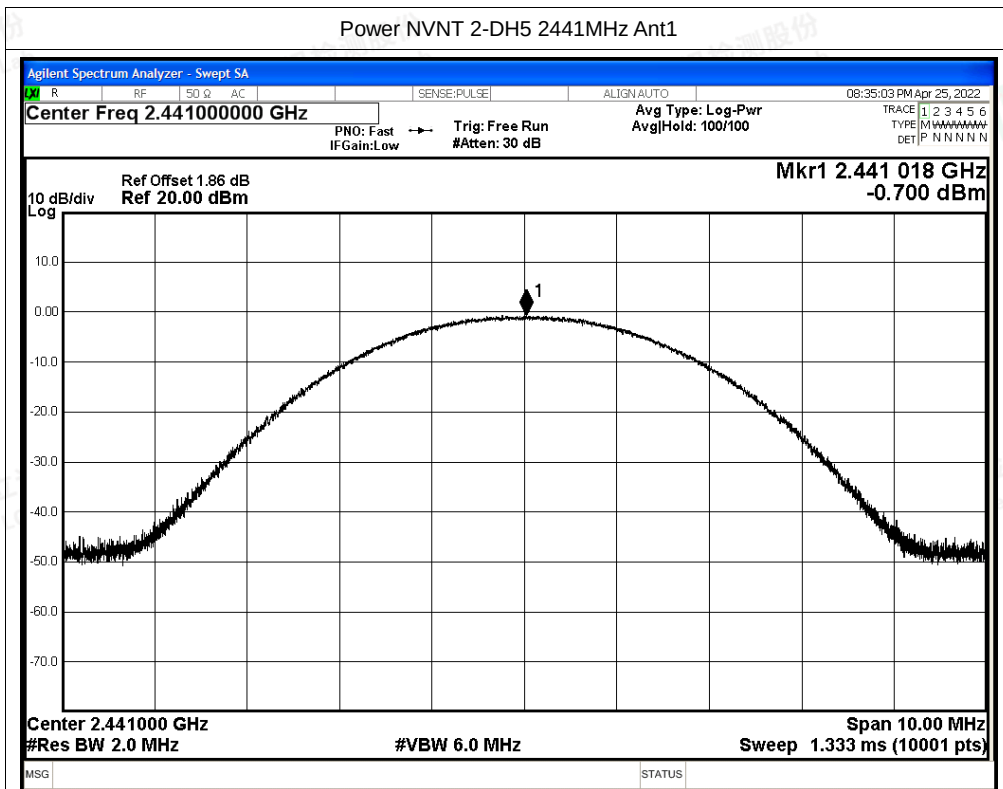


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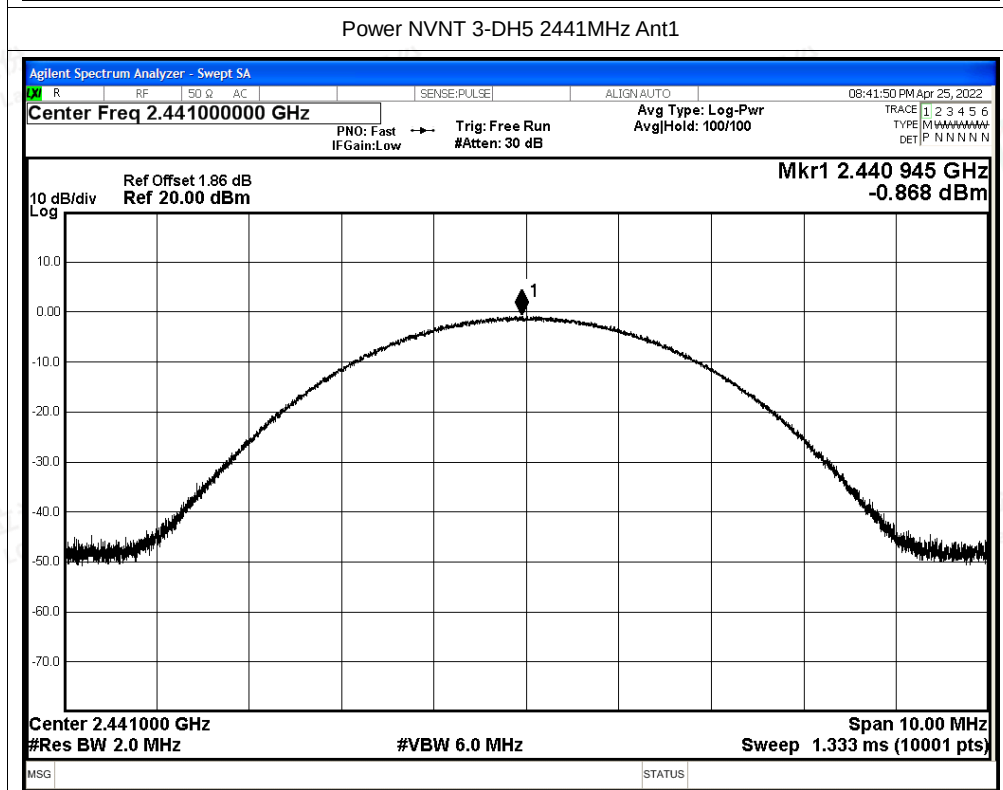
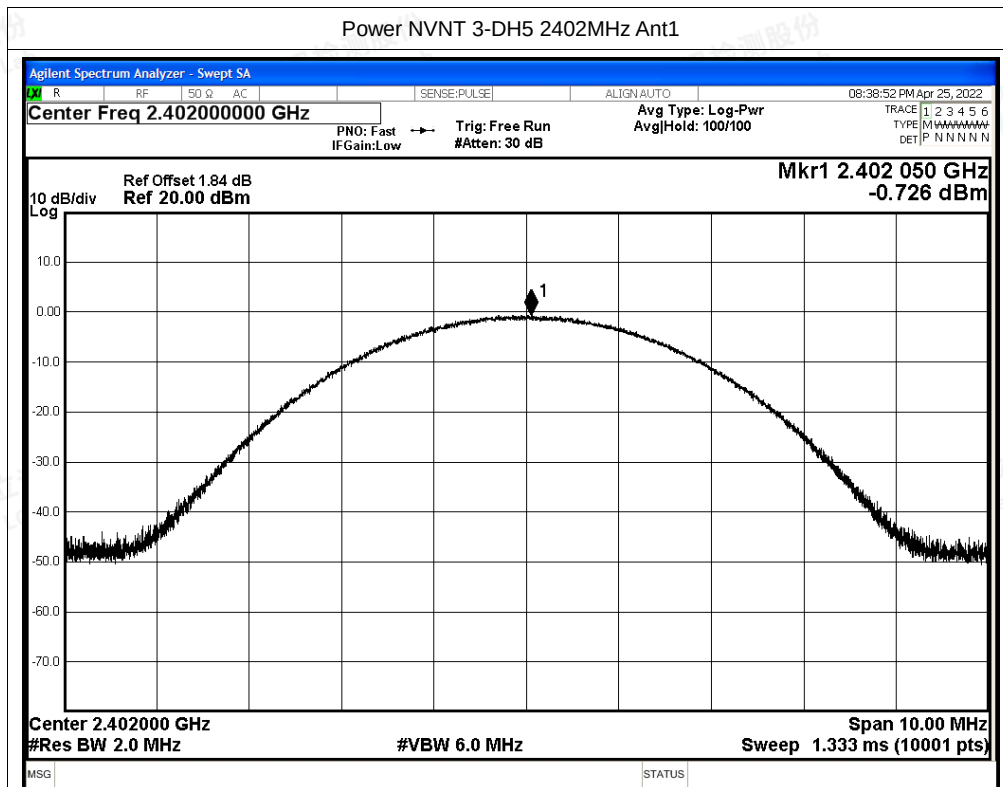


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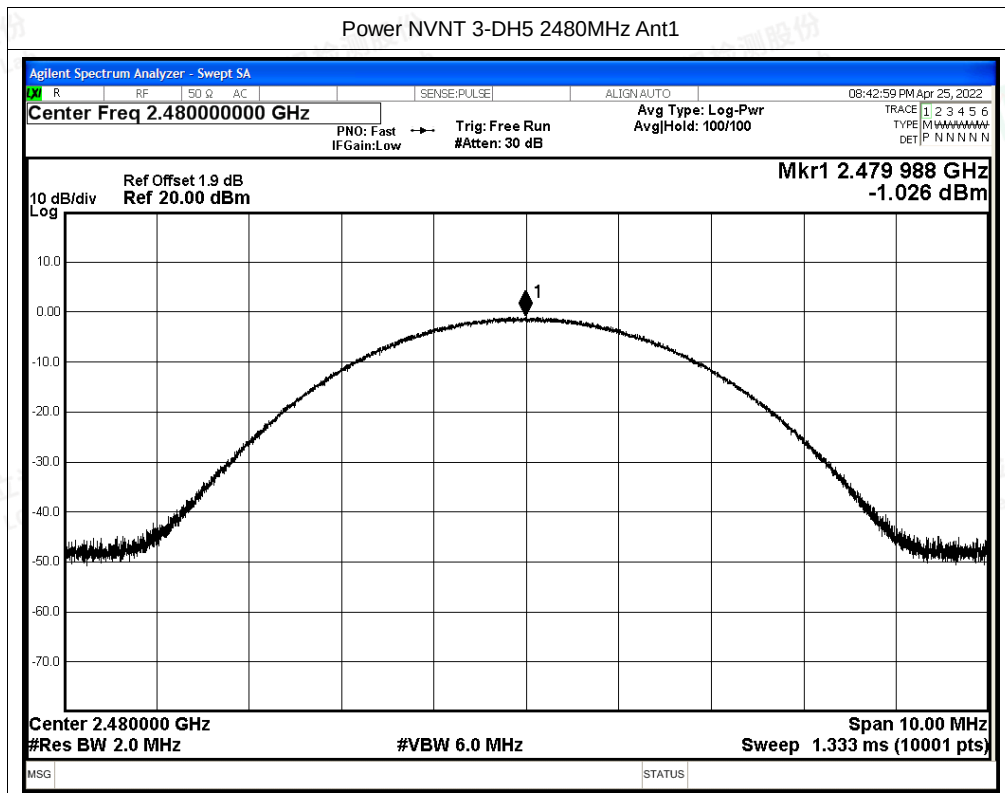


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A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.154	2402.962	0.808	0.687	Pass
NVNT	2-DH5	Ant1	2401.998	2403.006	1.008	0.874	Pass
NVNT	3-DH5	Ant1	2402.014	2403.018	1.004	0.867	Pass



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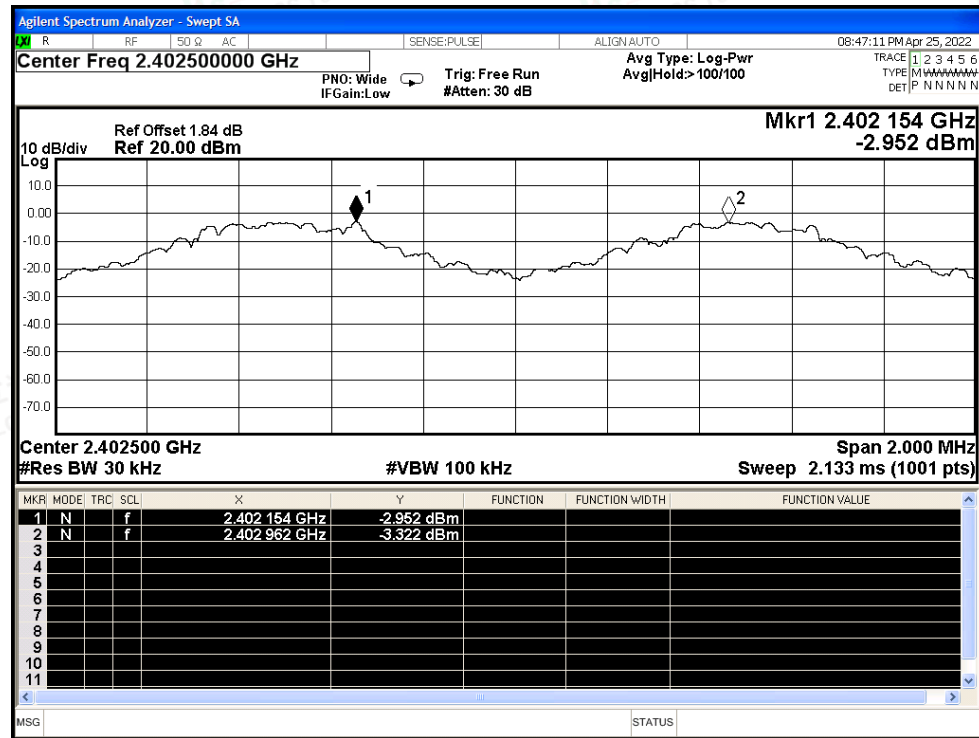
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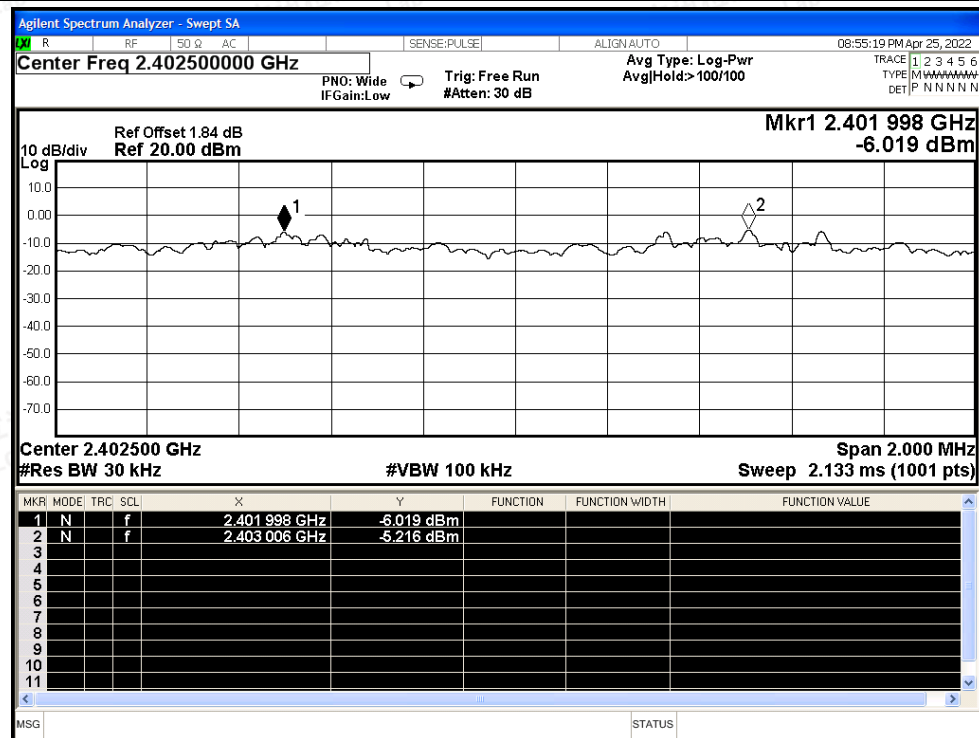


Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1

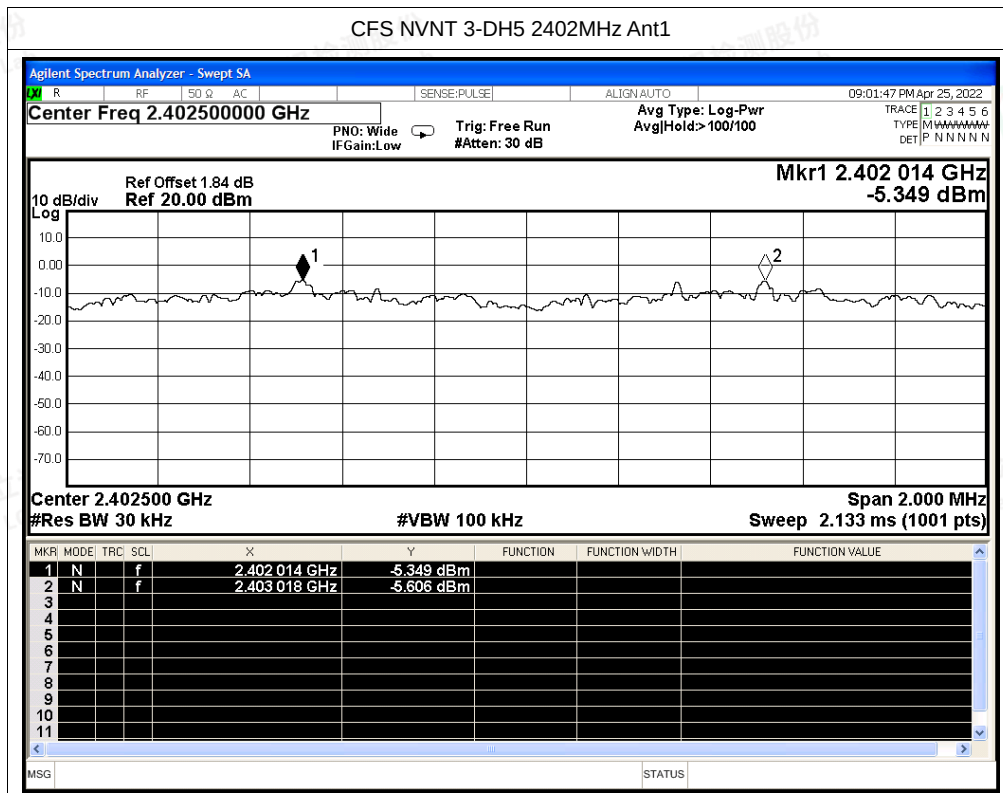


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A.4 Dwell Time

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	2.881	302.505	105	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.881	293.862	102	31600	400	Pass
NVNT	1-DH5	2480	Ant1	2.882	296.846	103	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.885	291.385	101	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.88	296.64	103	31600	400	Pass
NVNT	2-DH5	2480	Ant1	2.885	320.235	111	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.887	300.248	104	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.884	282.632	98	31600	400	Pass
NVNT	3-DH5	2480	Ant1	2.885	282.73	98	31600	400	Pass



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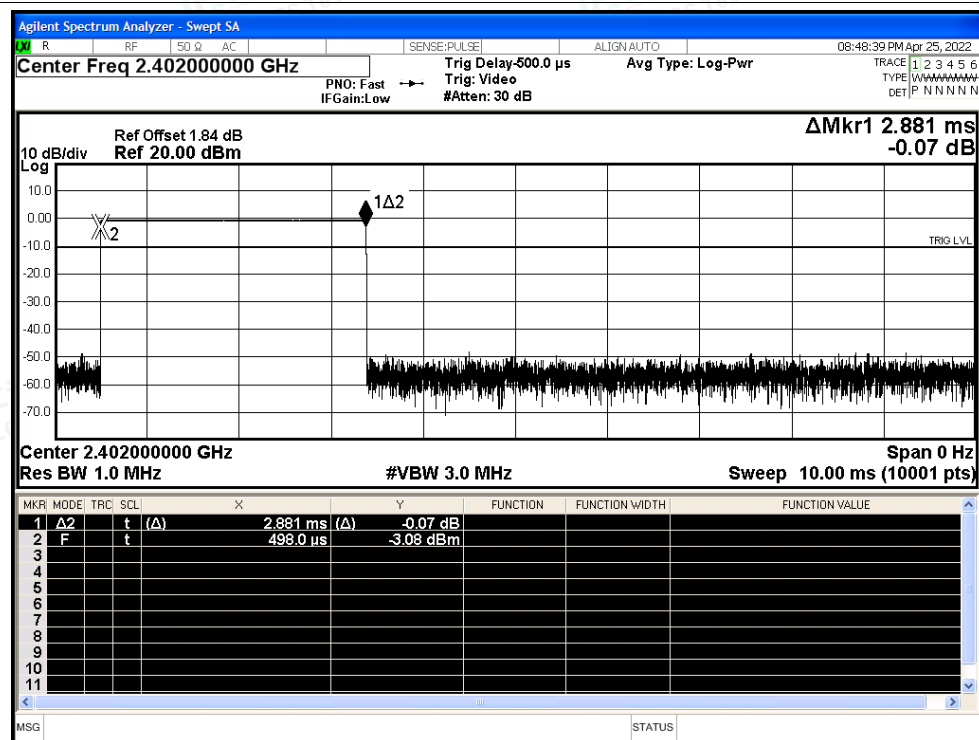
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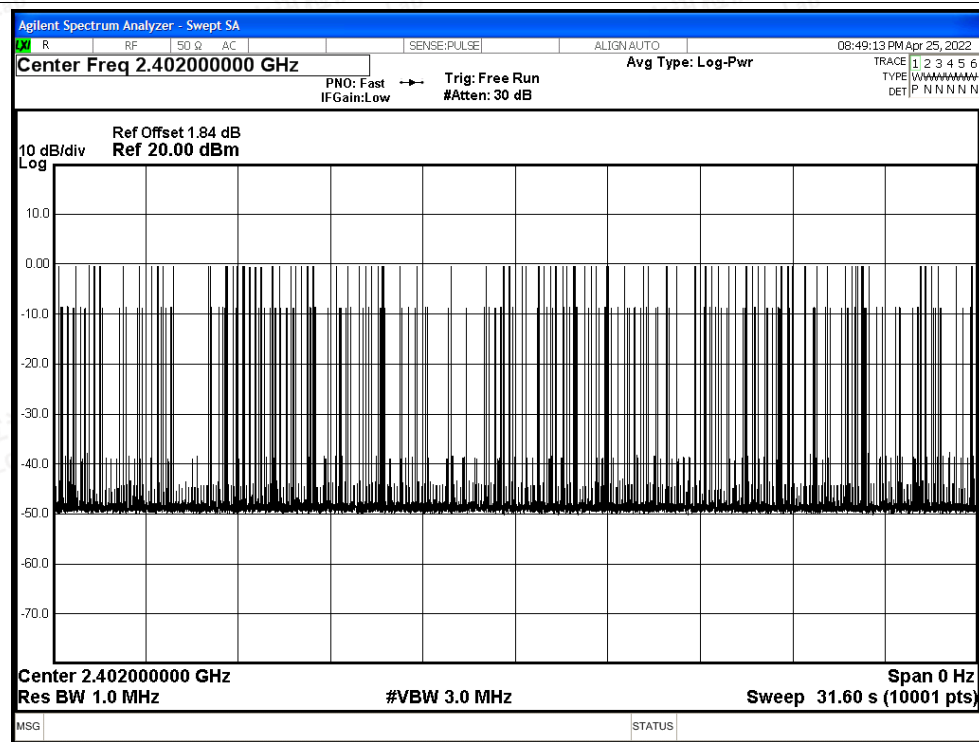


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

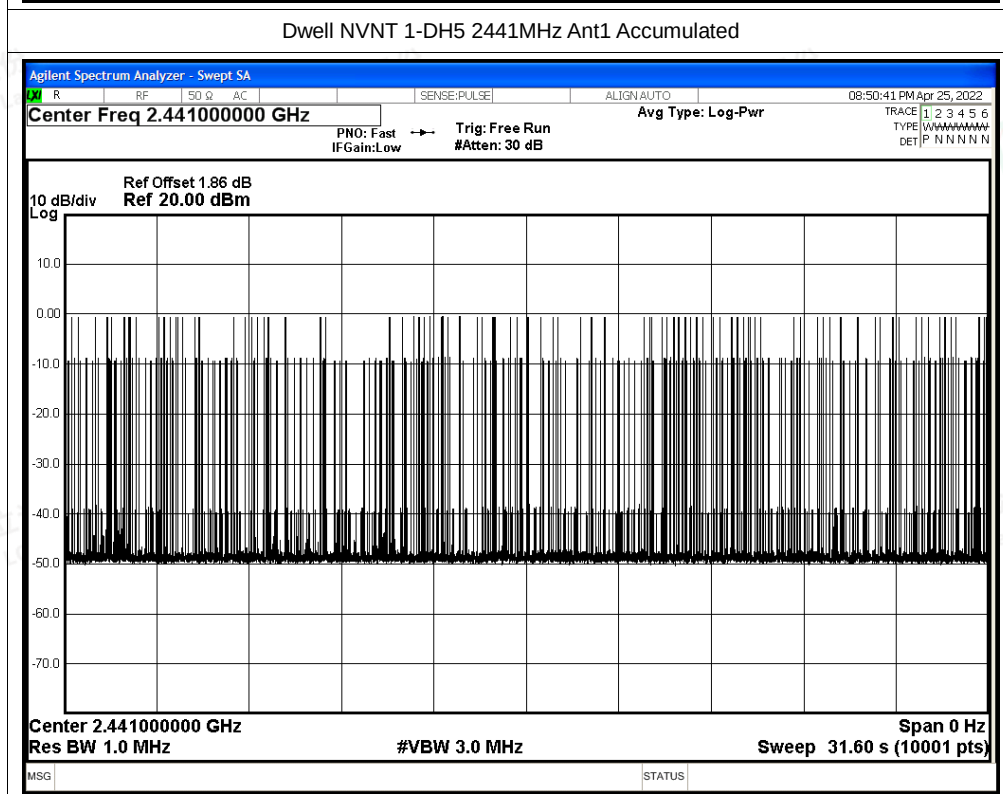
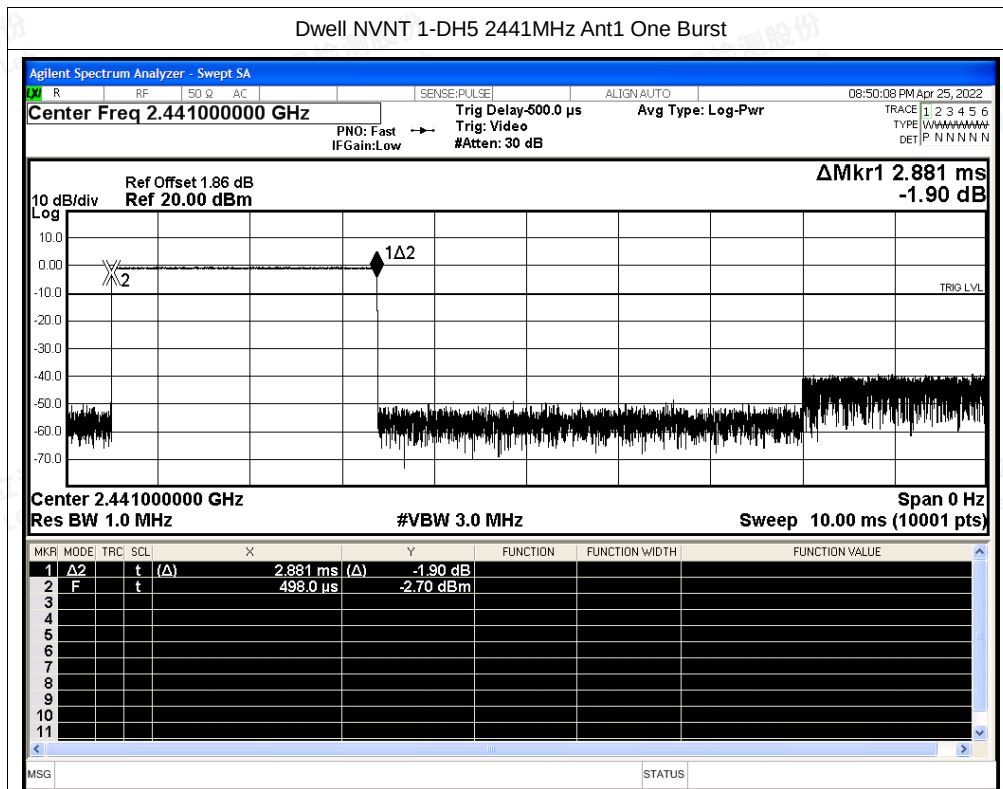


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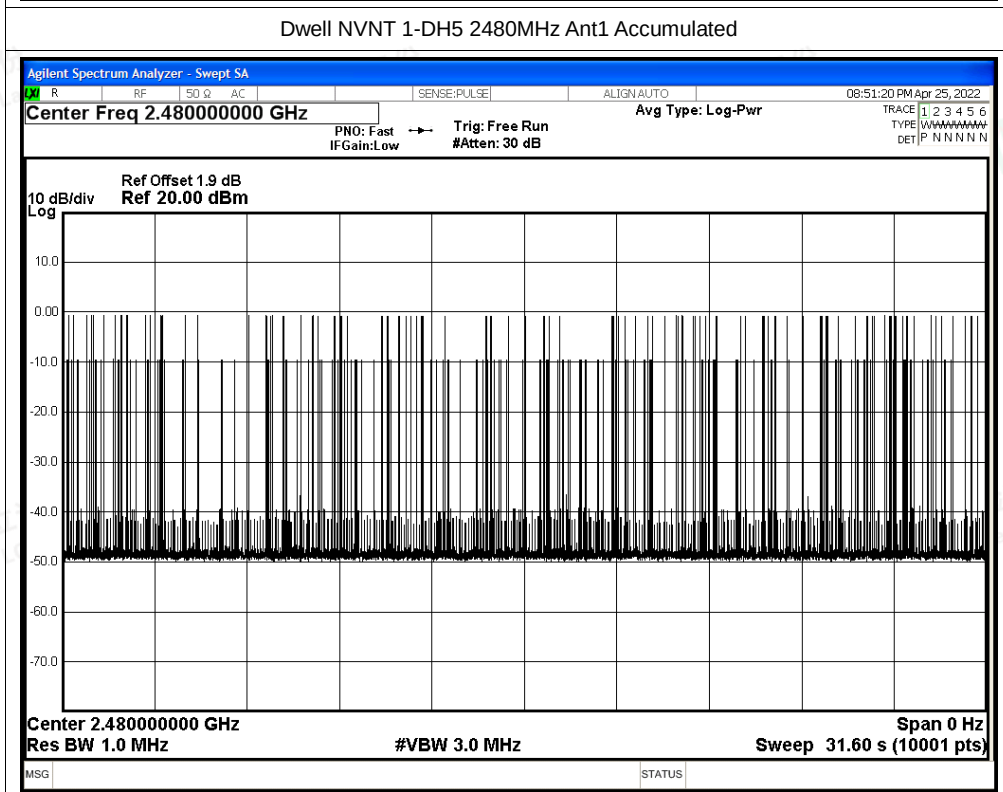
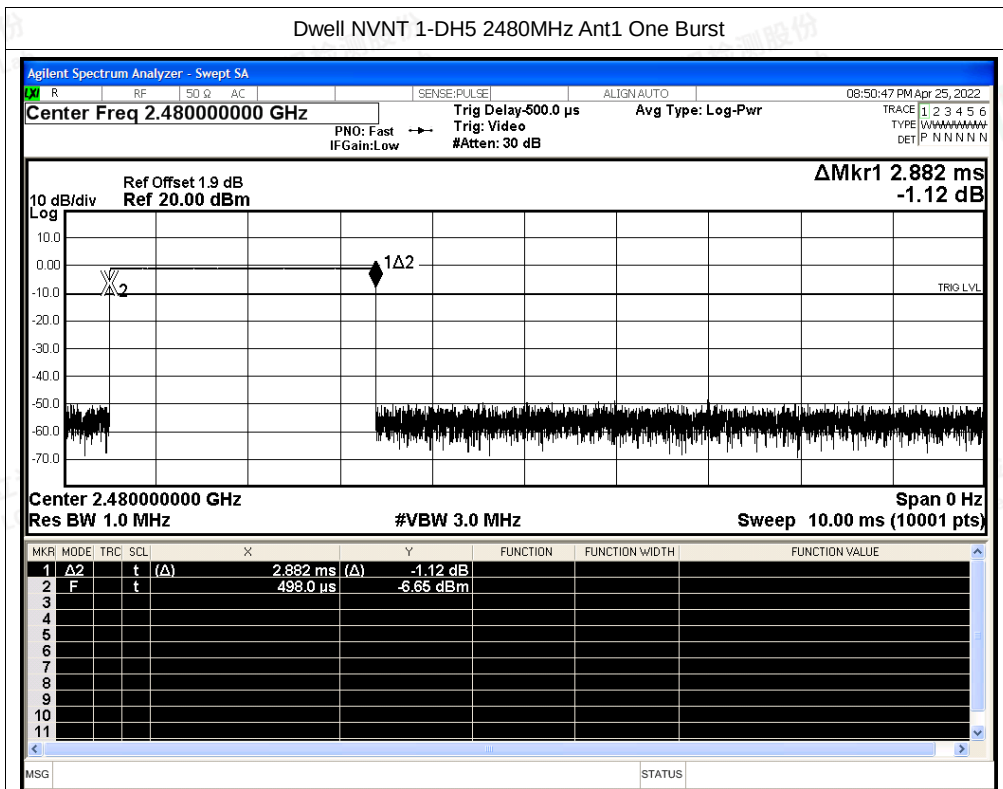


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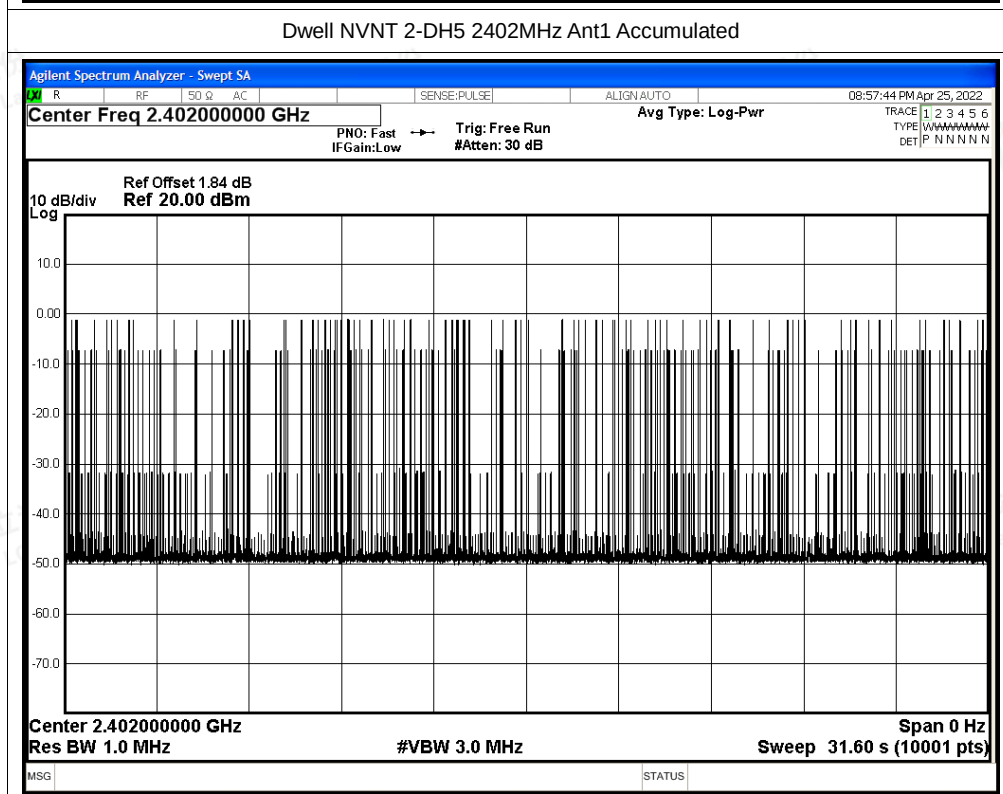
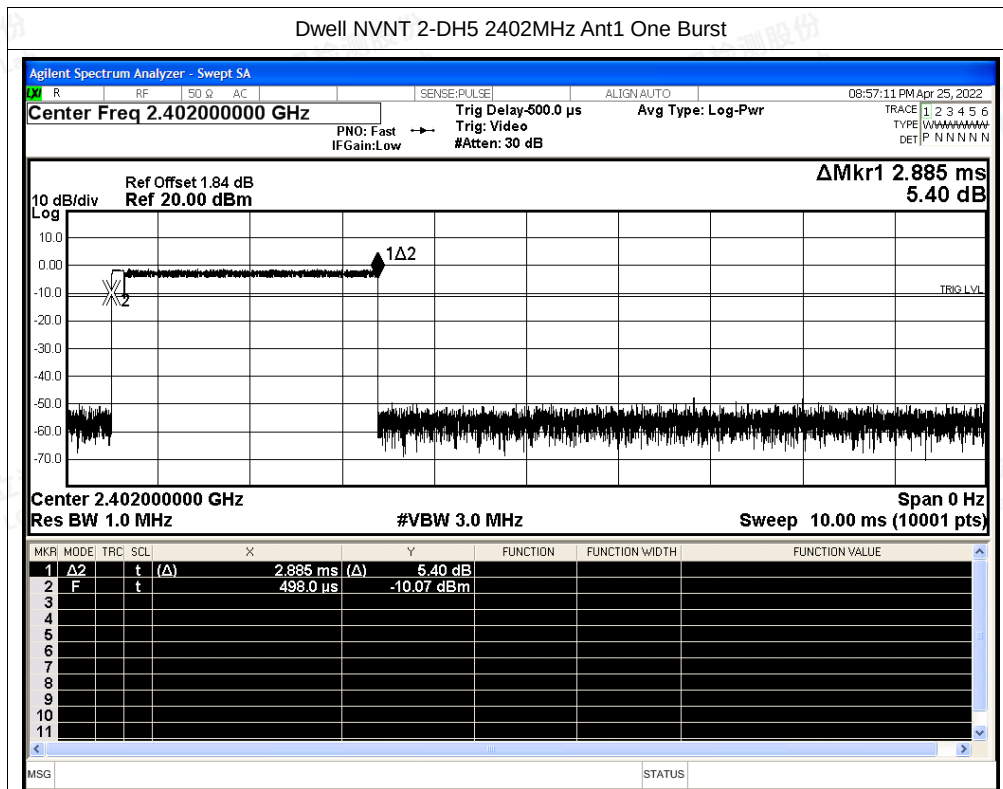


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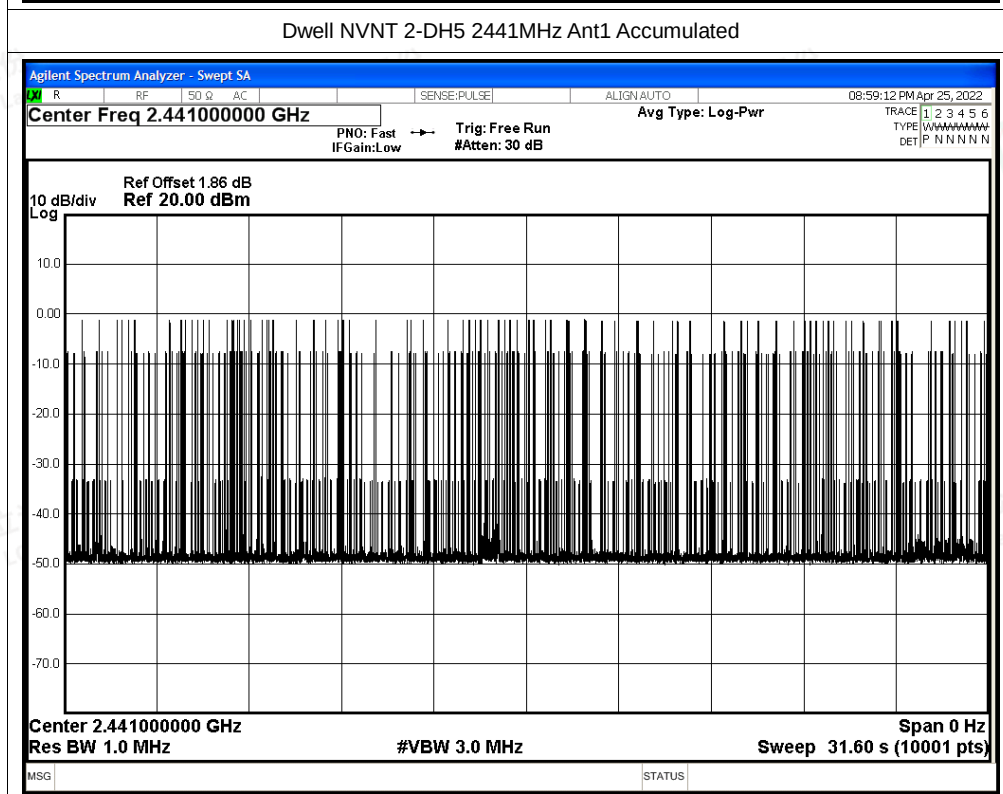
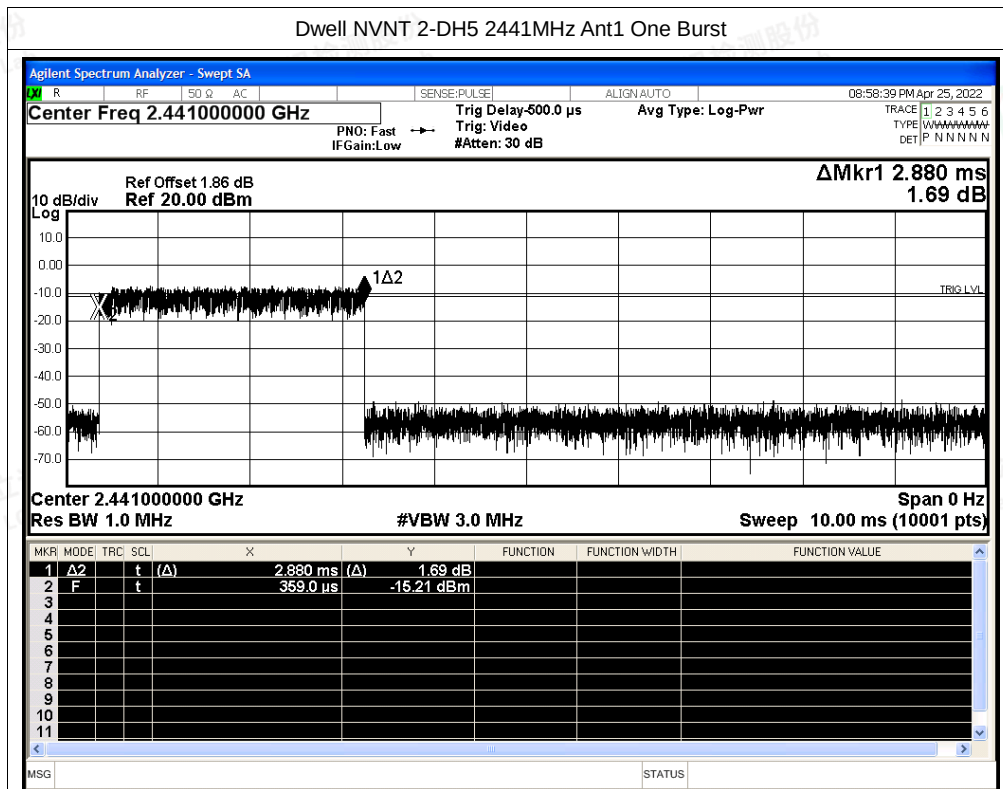


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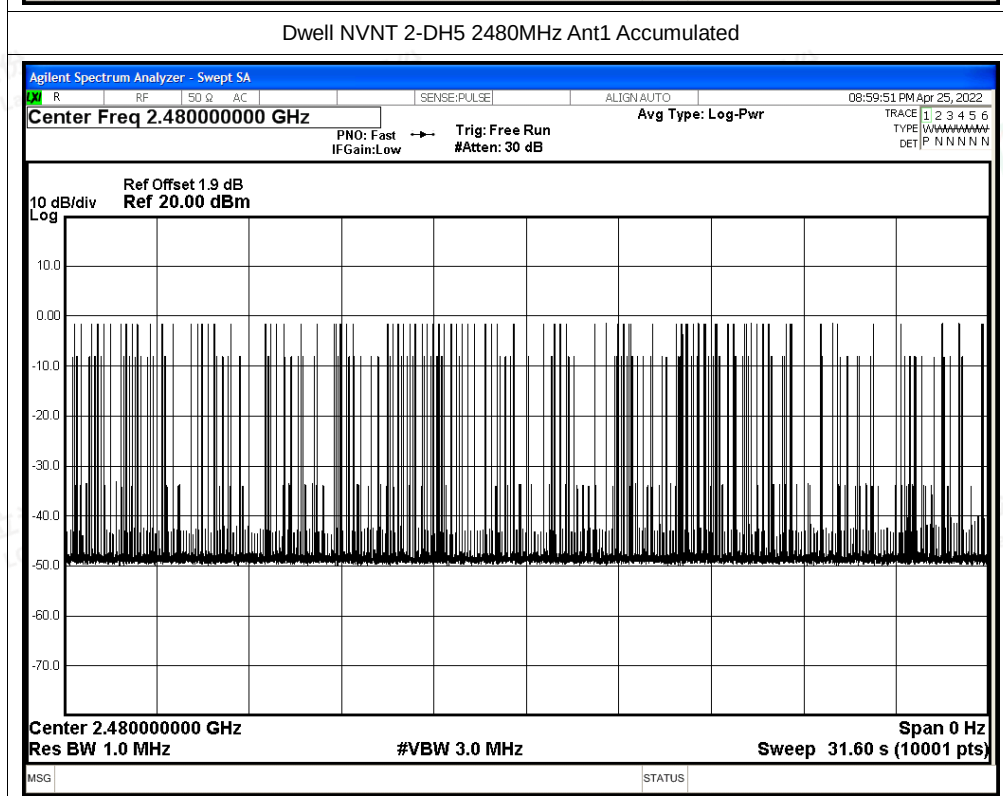
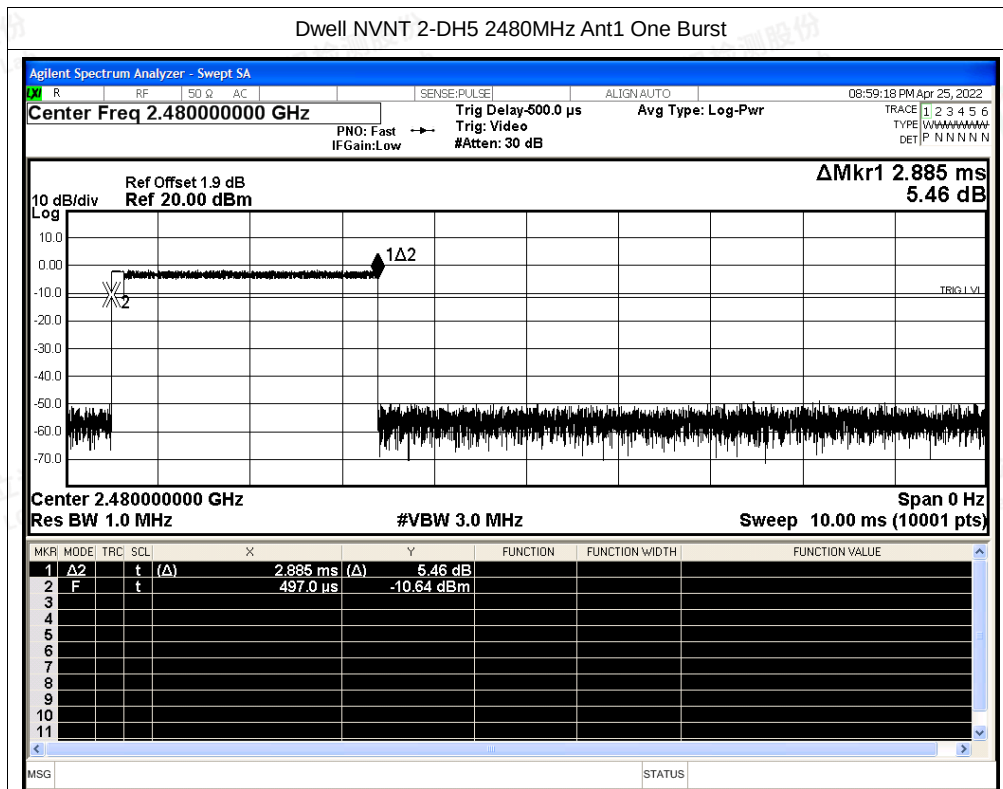


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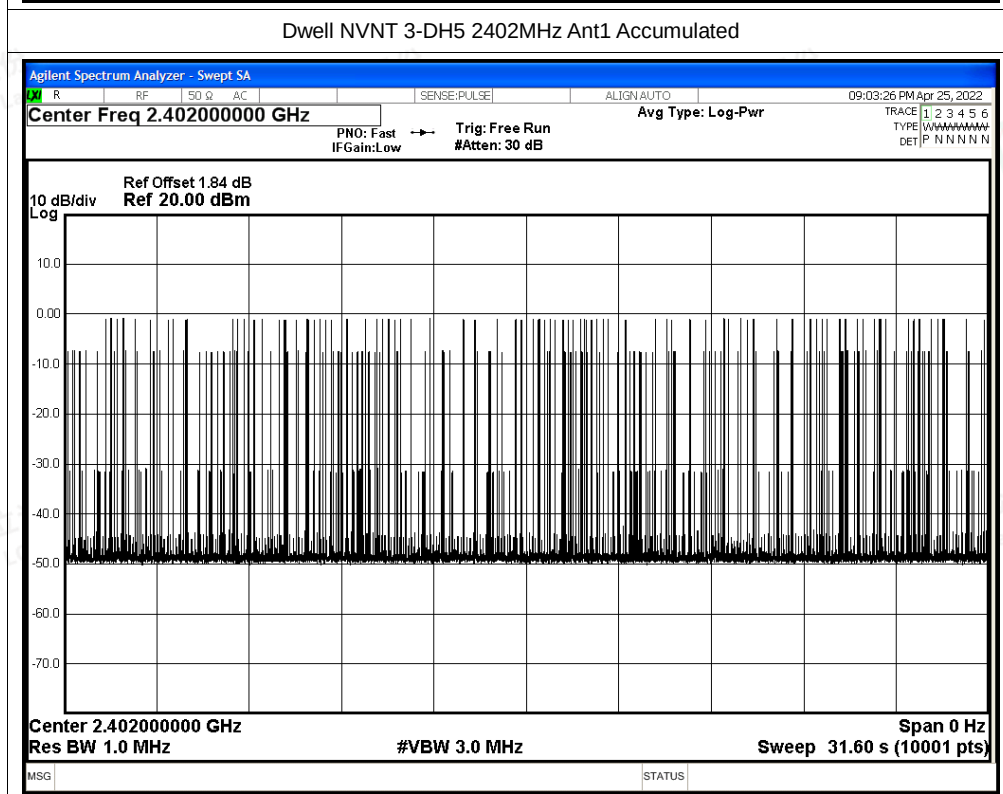
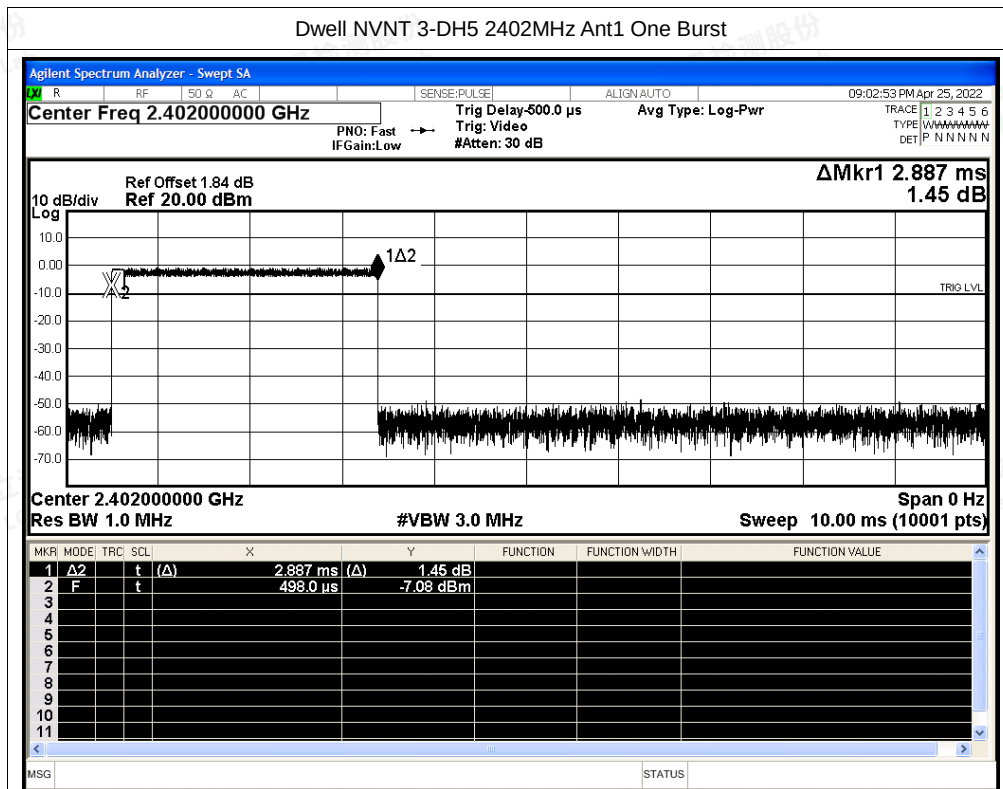


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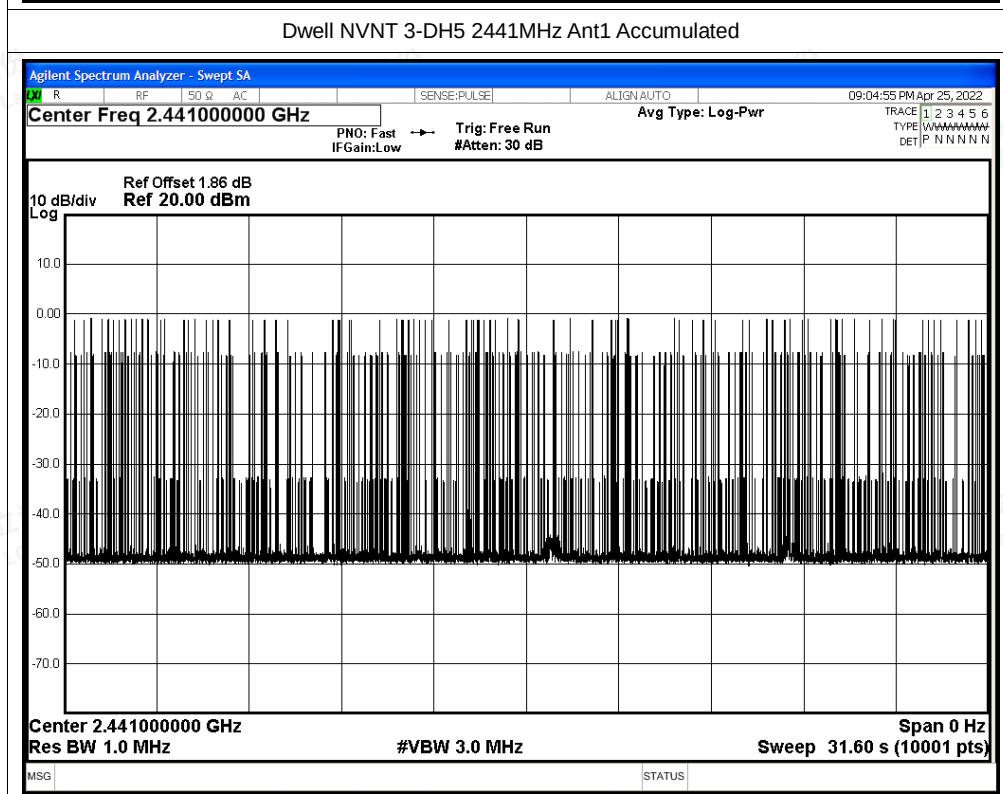
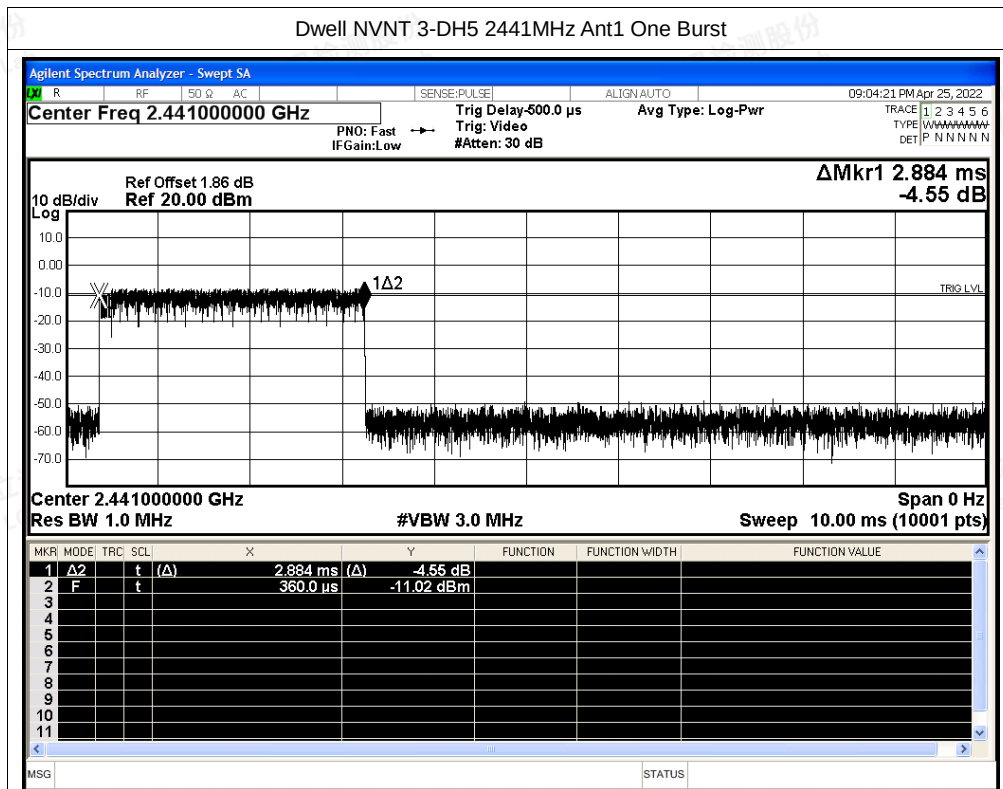


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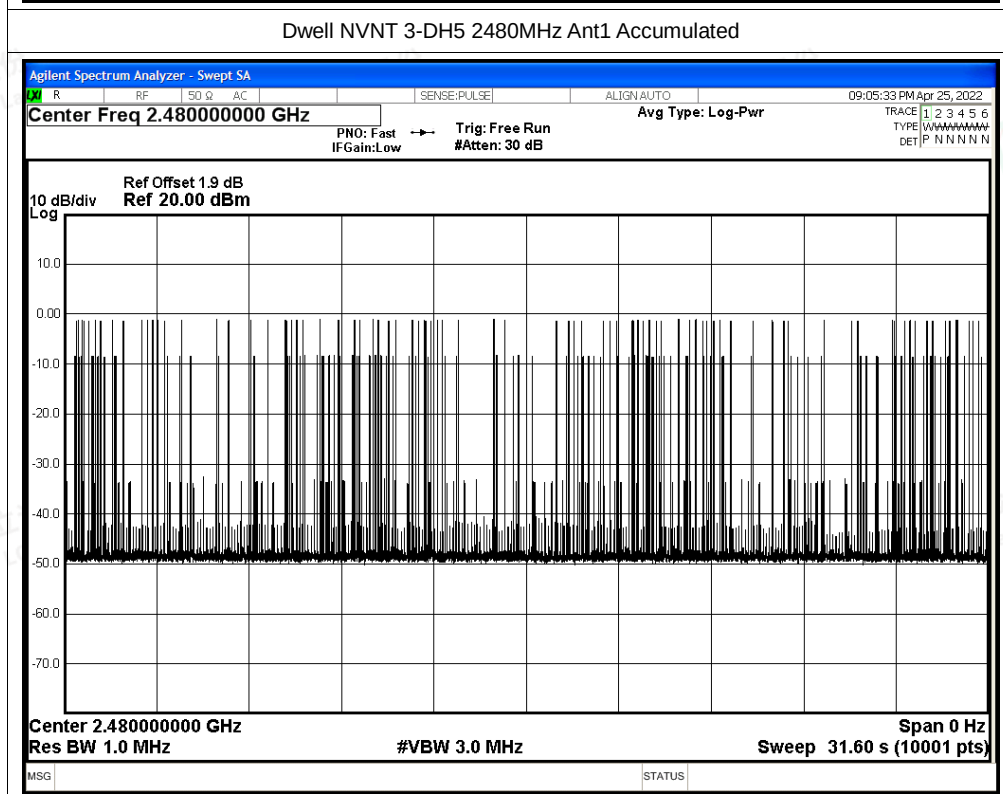
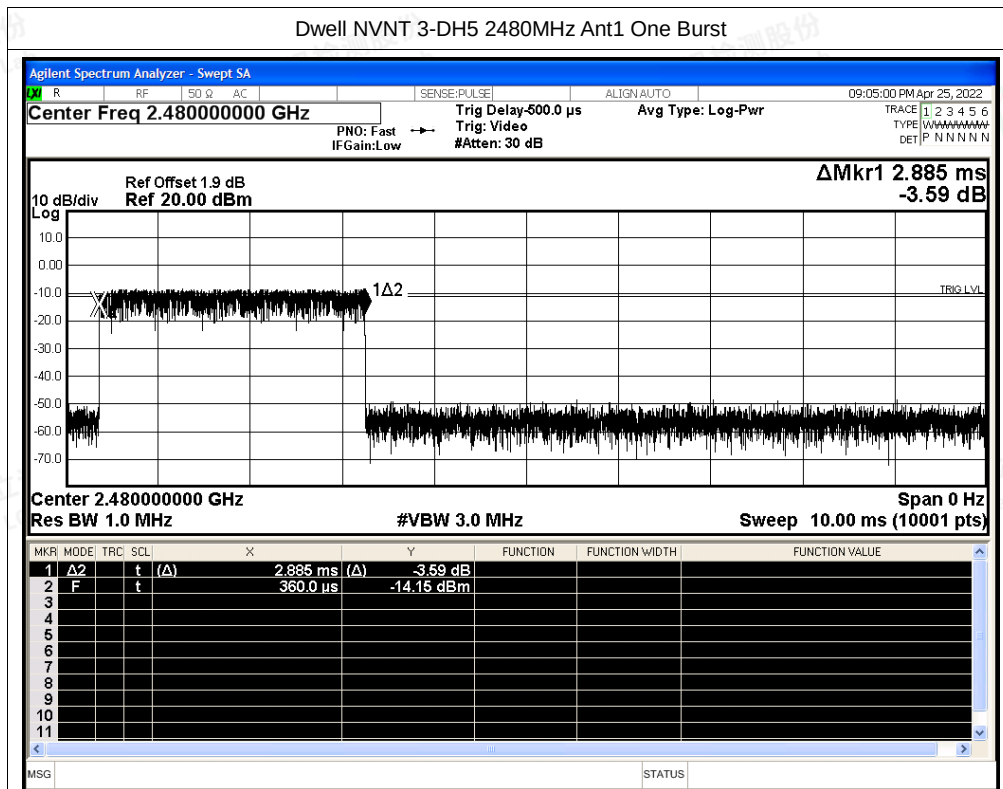


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A.5 Number of Hopping Channel

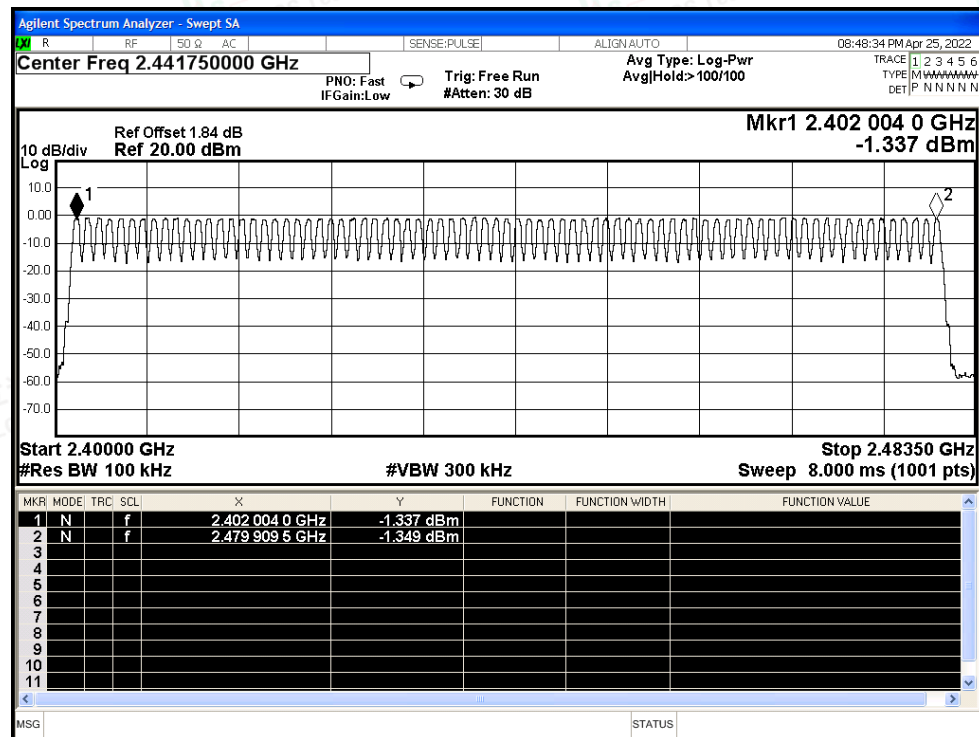
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass



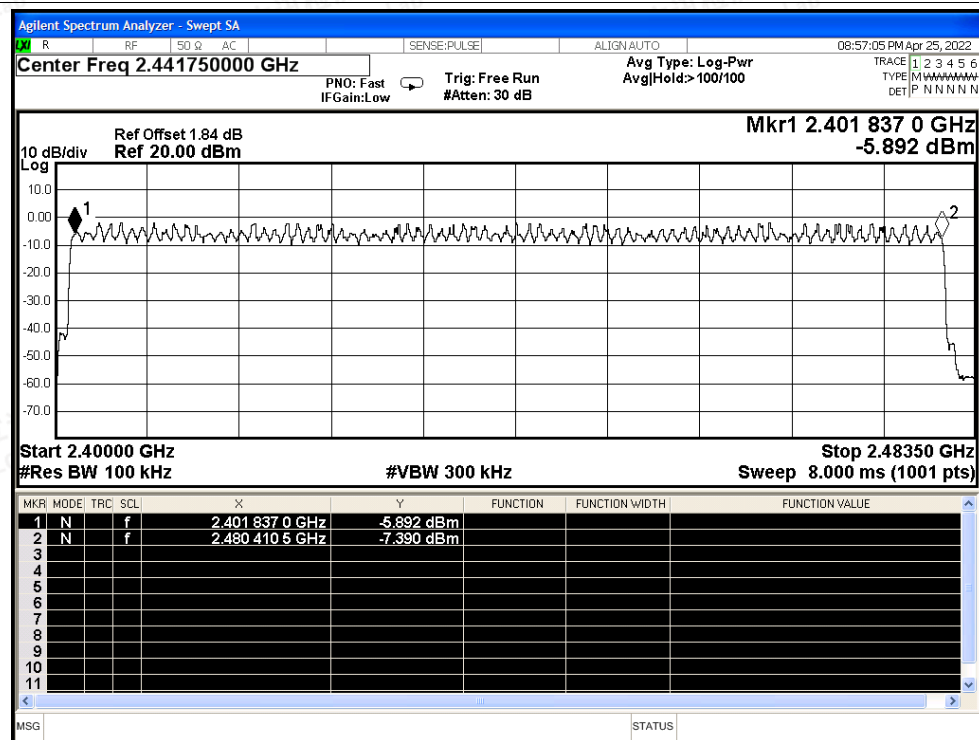


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1

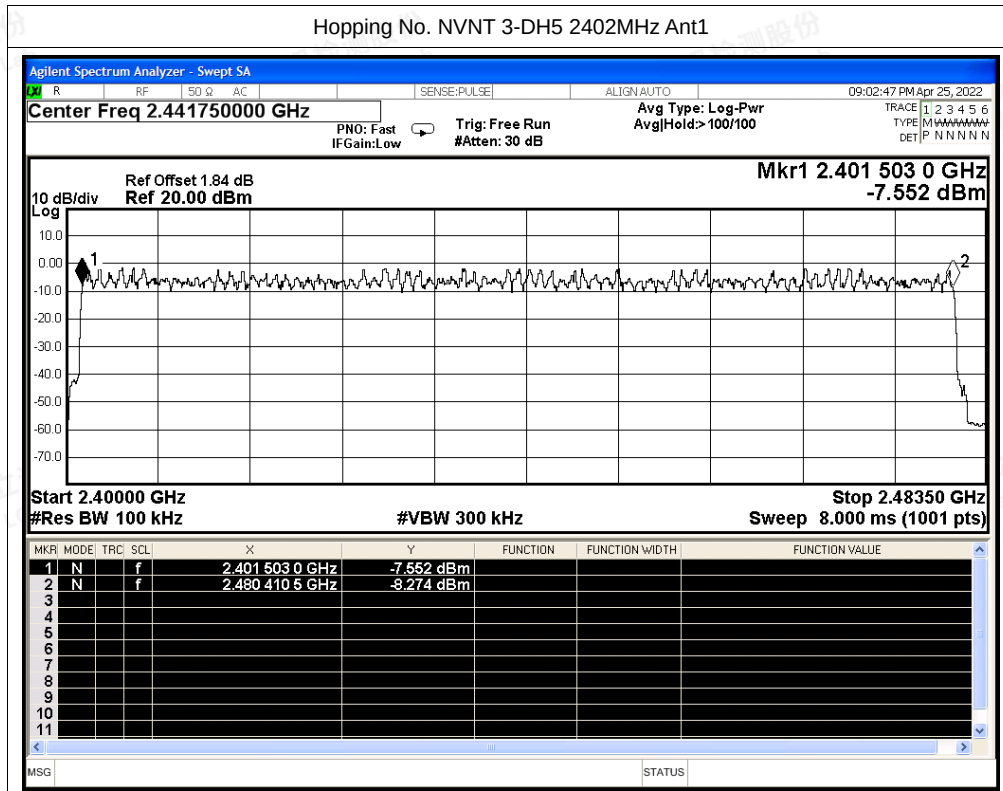


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A.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-56.13	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-56.03	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-54.29	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-54.54	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-50.47	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-51.62	-20	Pass



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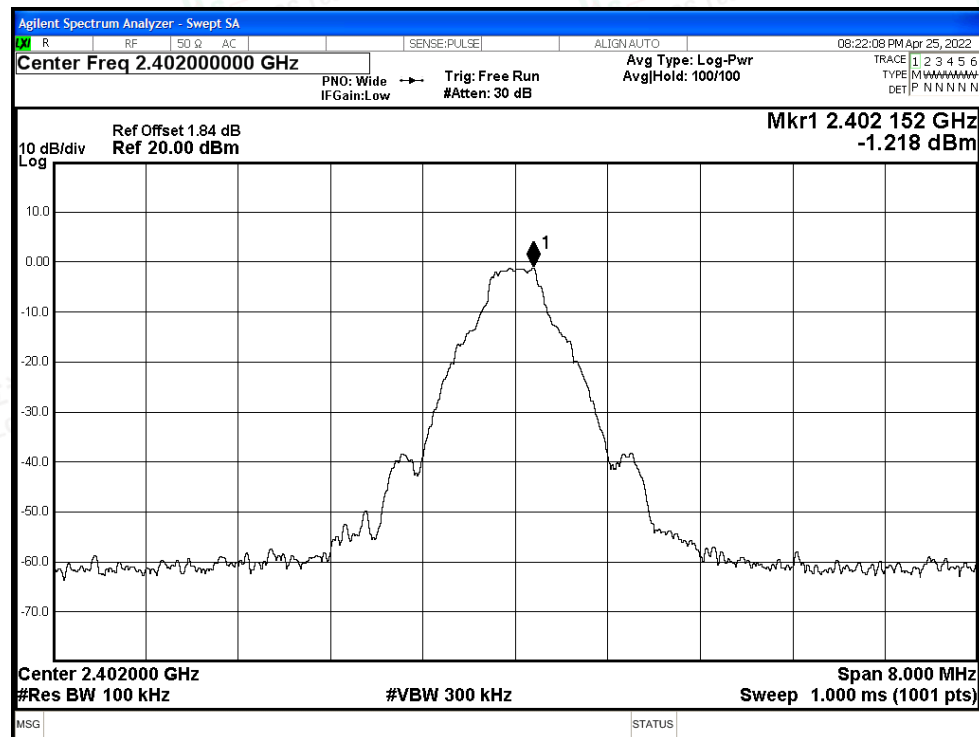
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

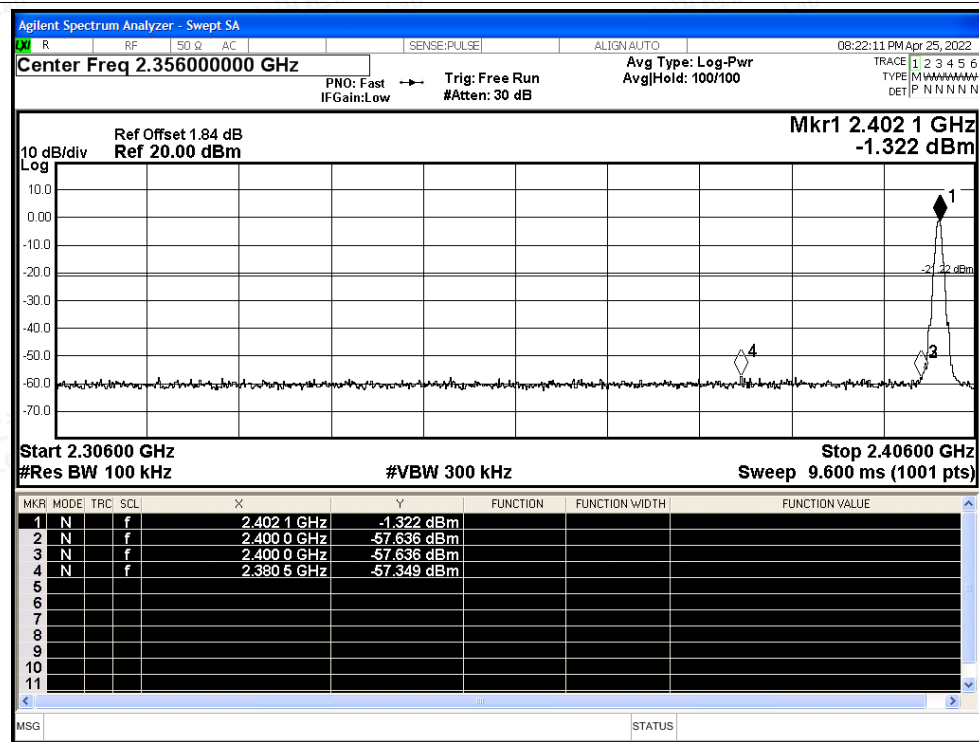


Test Graphs

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



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

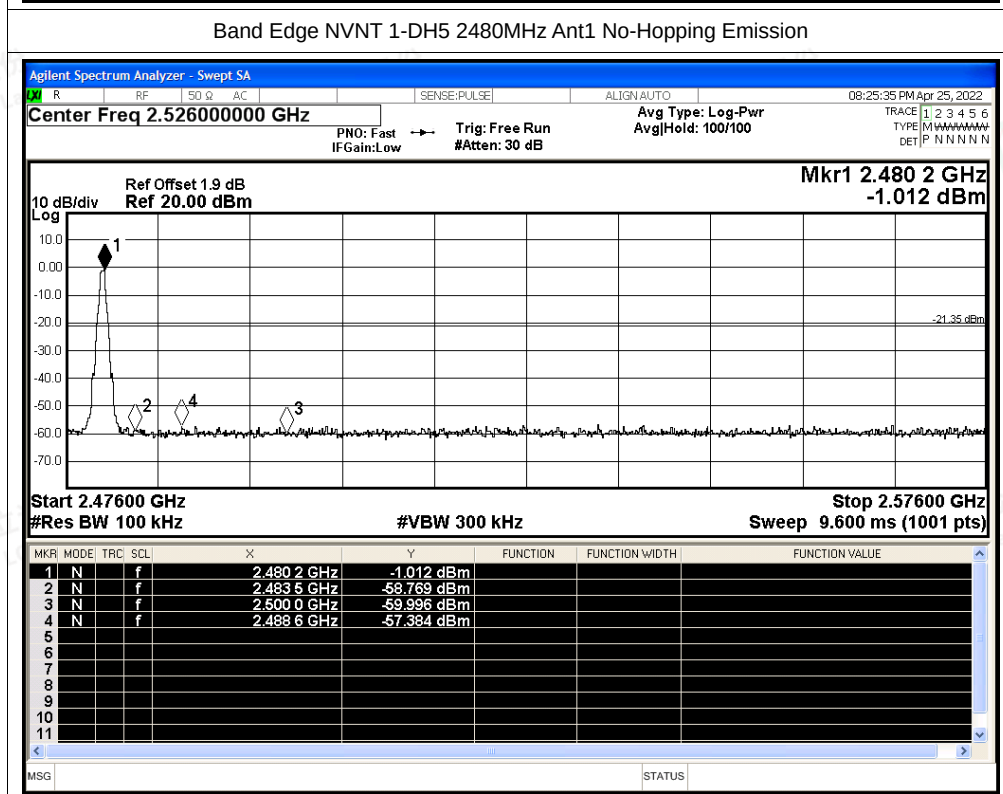
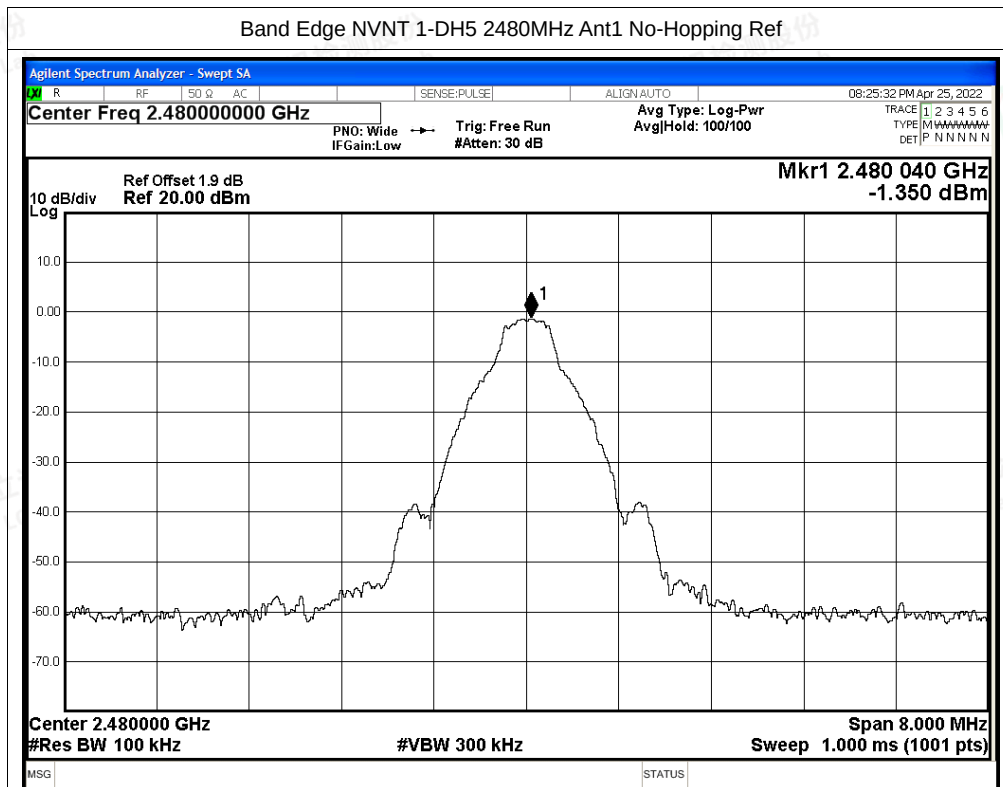


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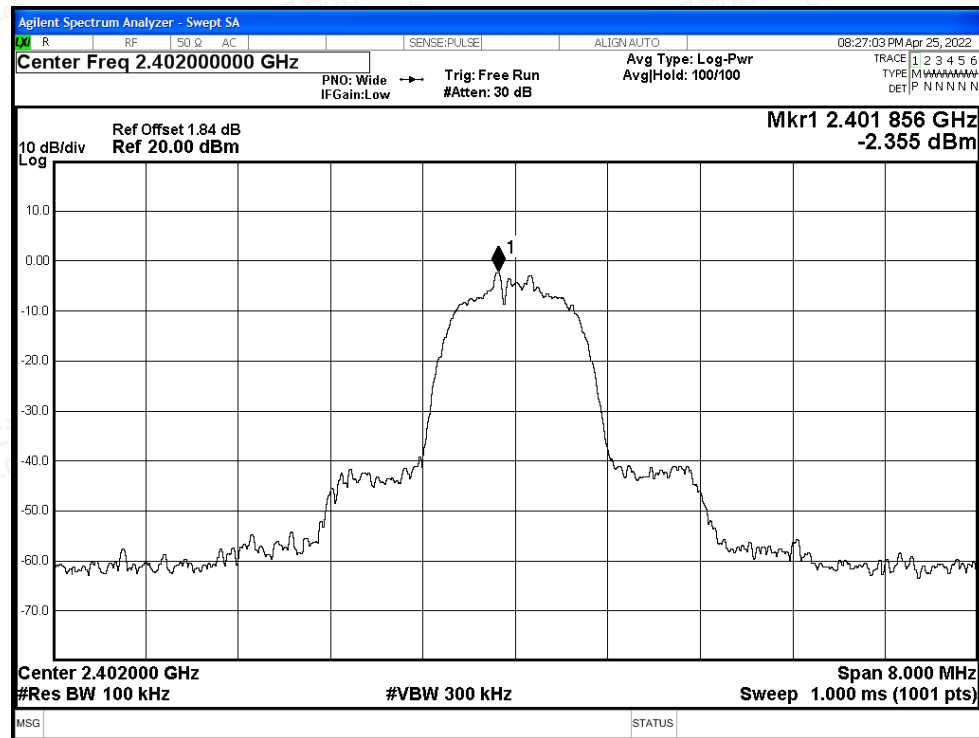
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

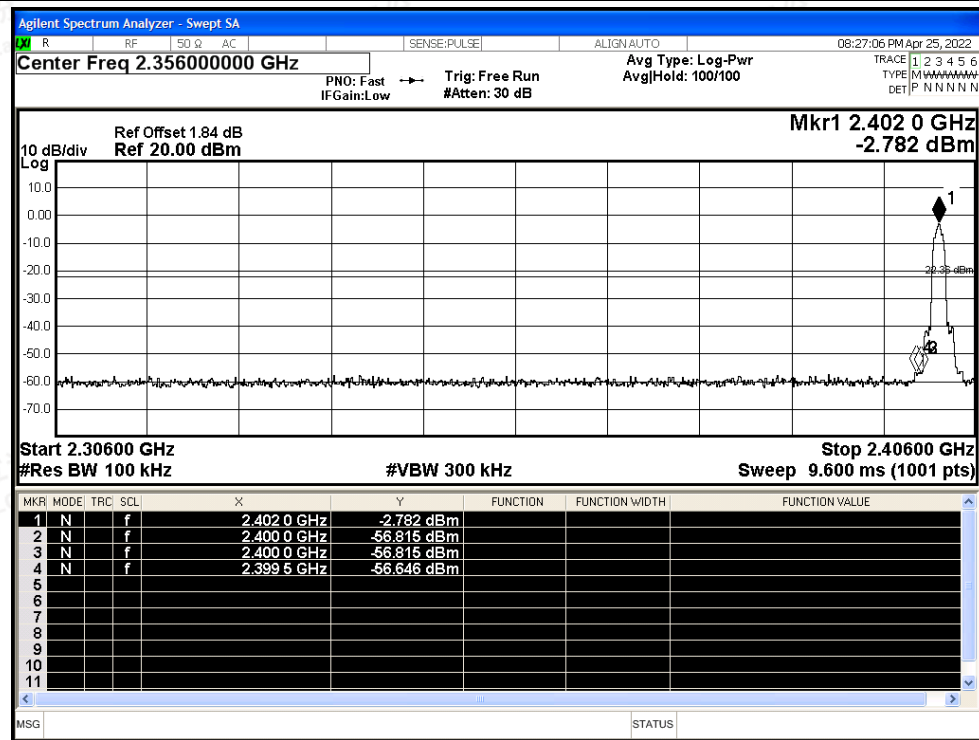
Scan code to check authenticity



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



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

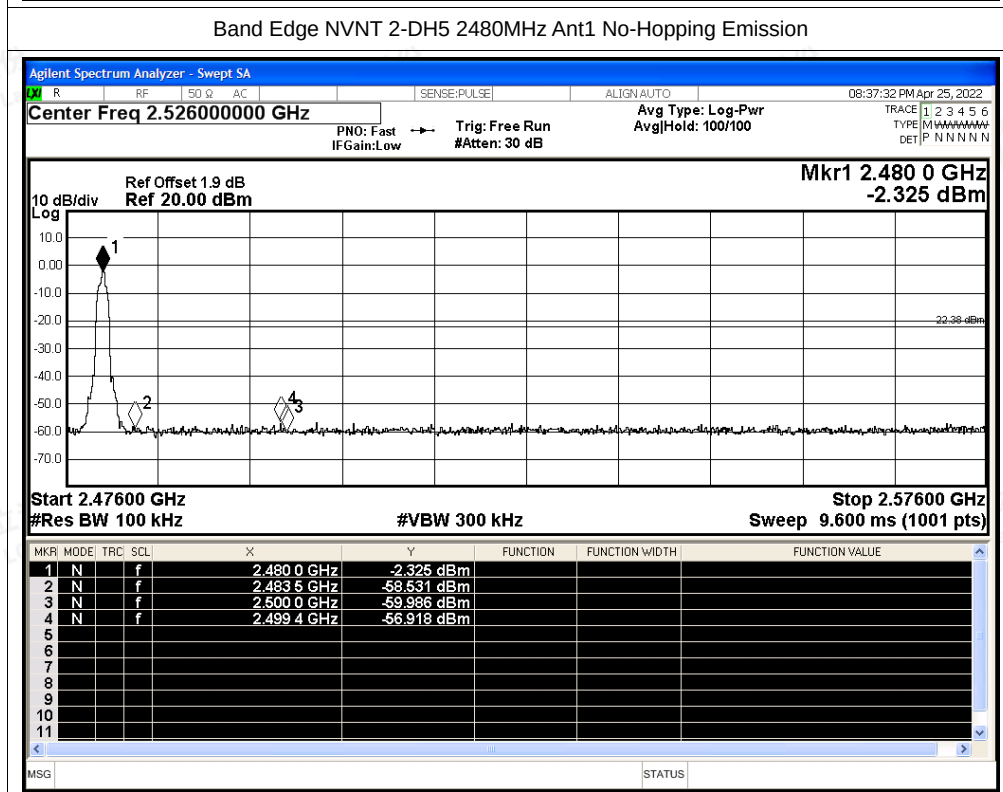
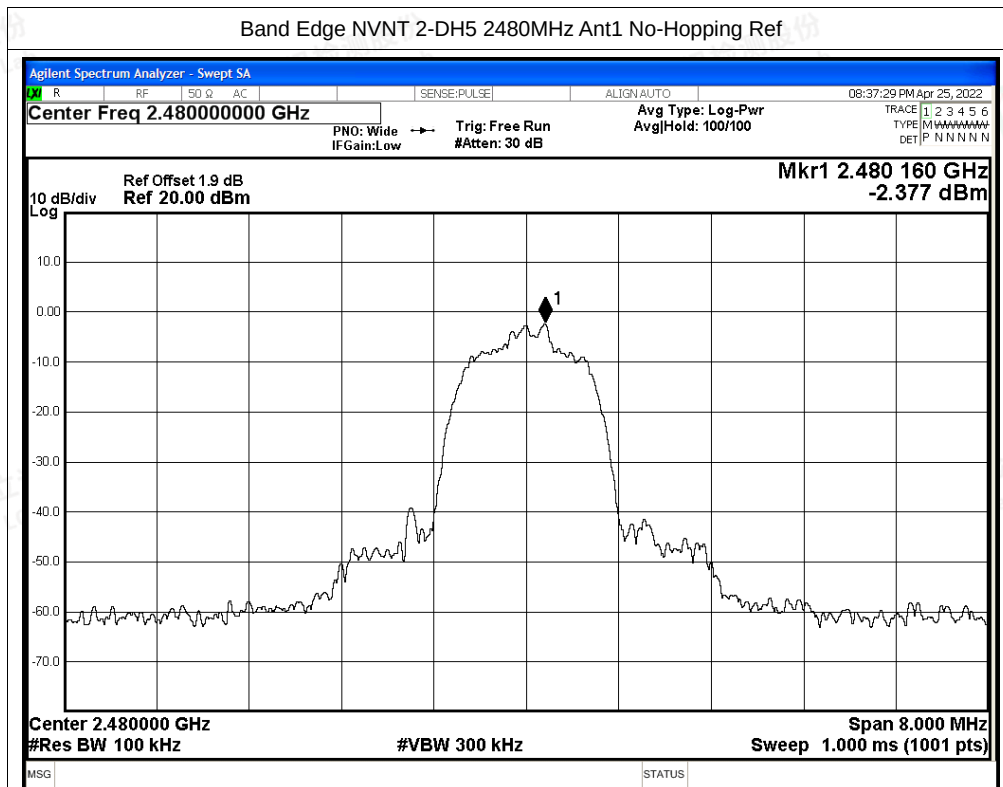


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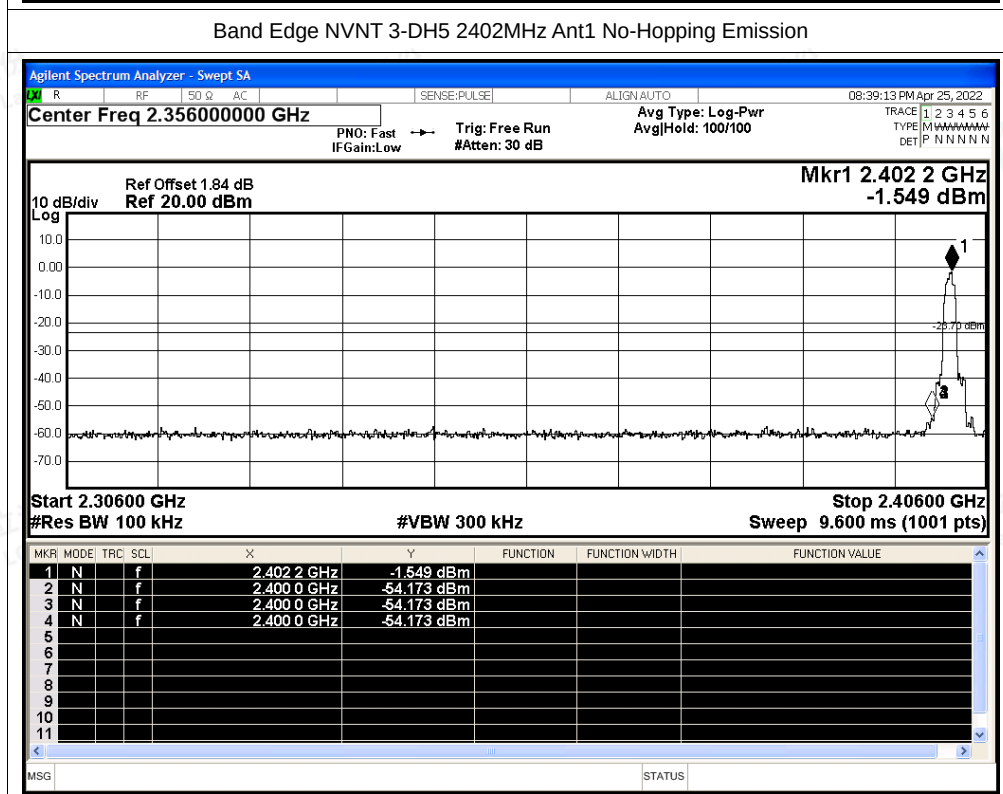
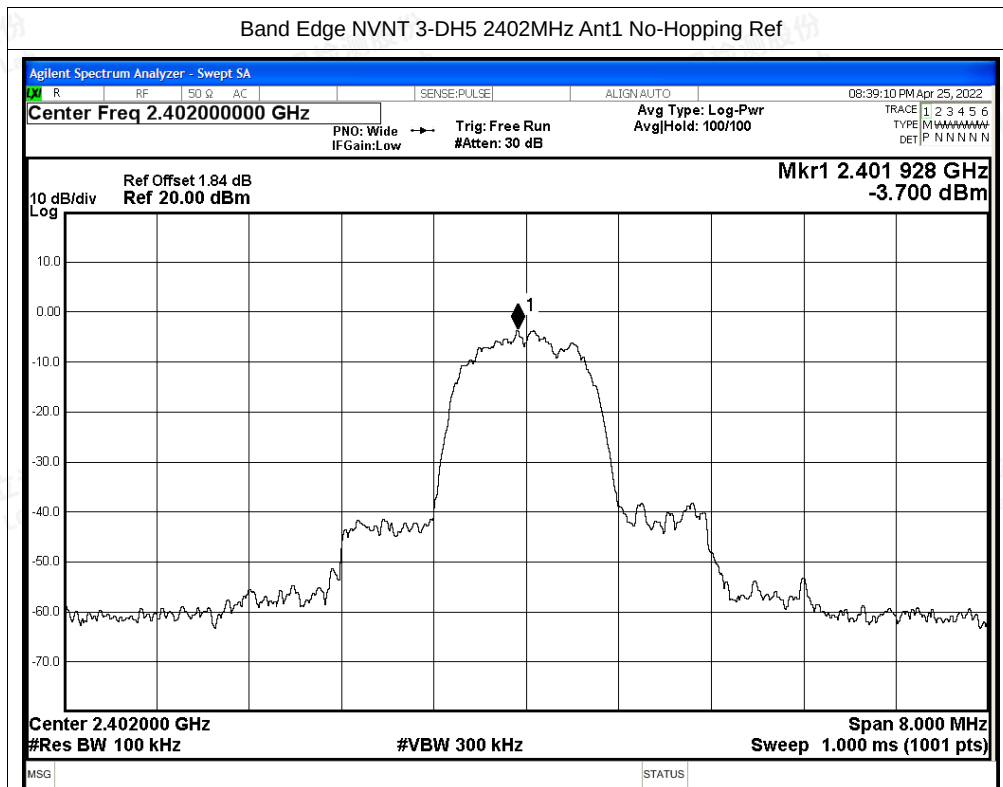


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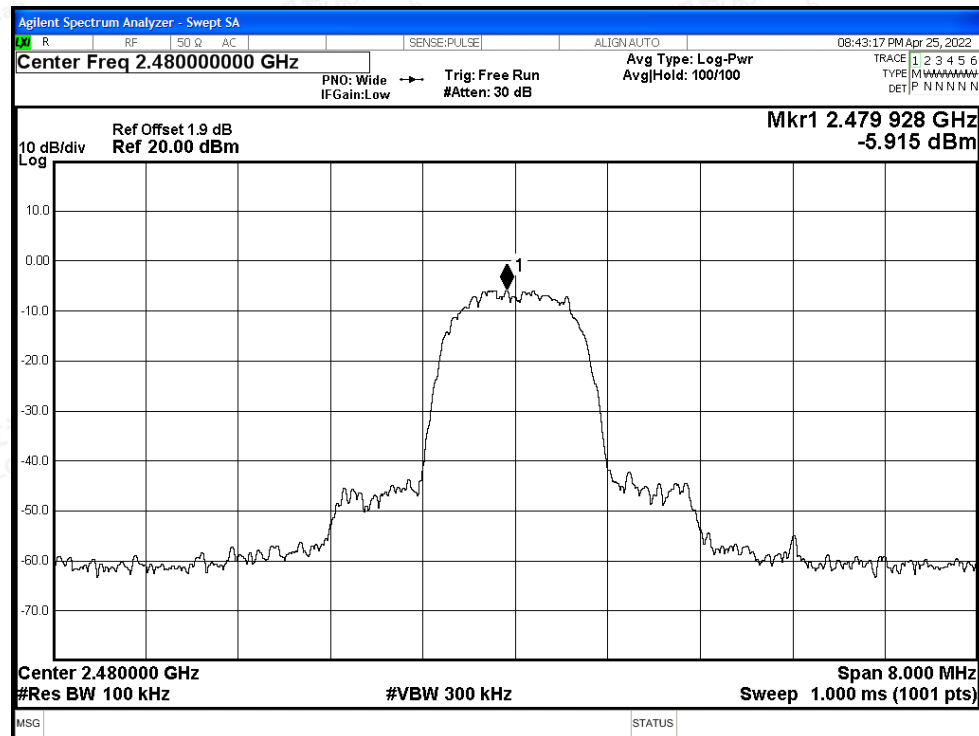
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

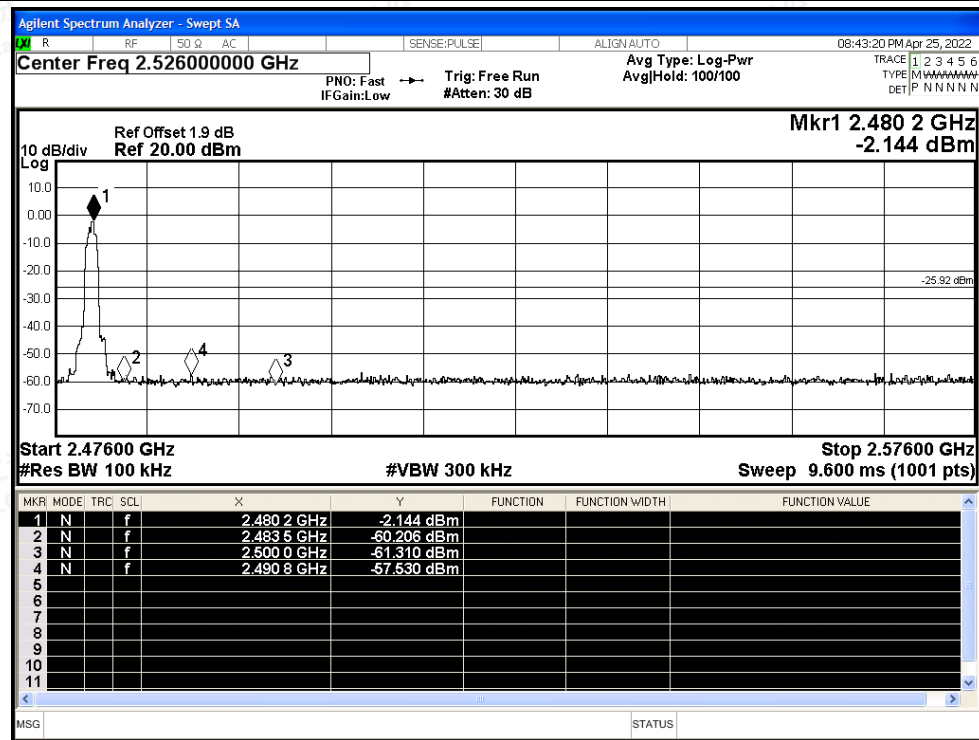
Scan code to check authenticity



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



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



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

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(Hopping)

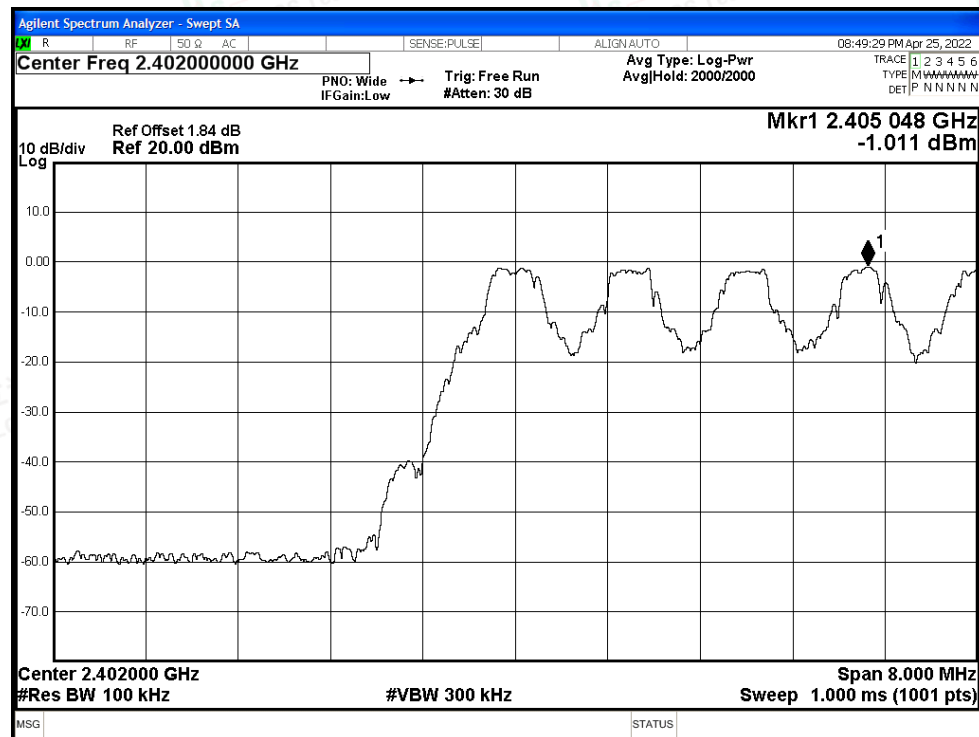
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-55.53	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-55.06	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-54.56	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-52.95	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-54.25	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-54.51	-20	Pass



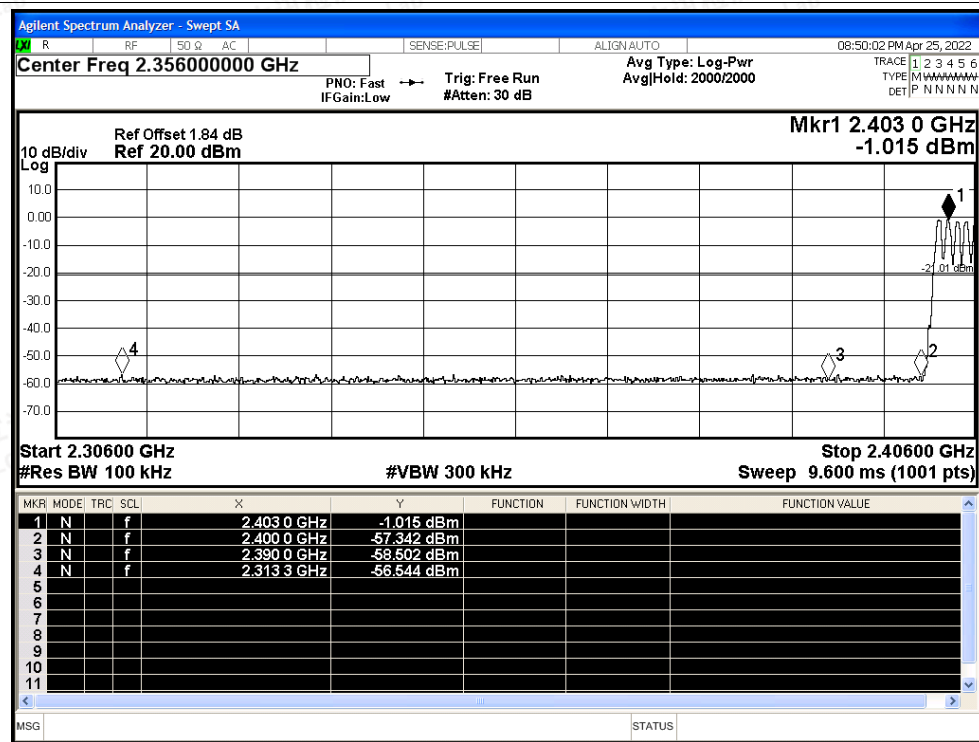


Test Graphs

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



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

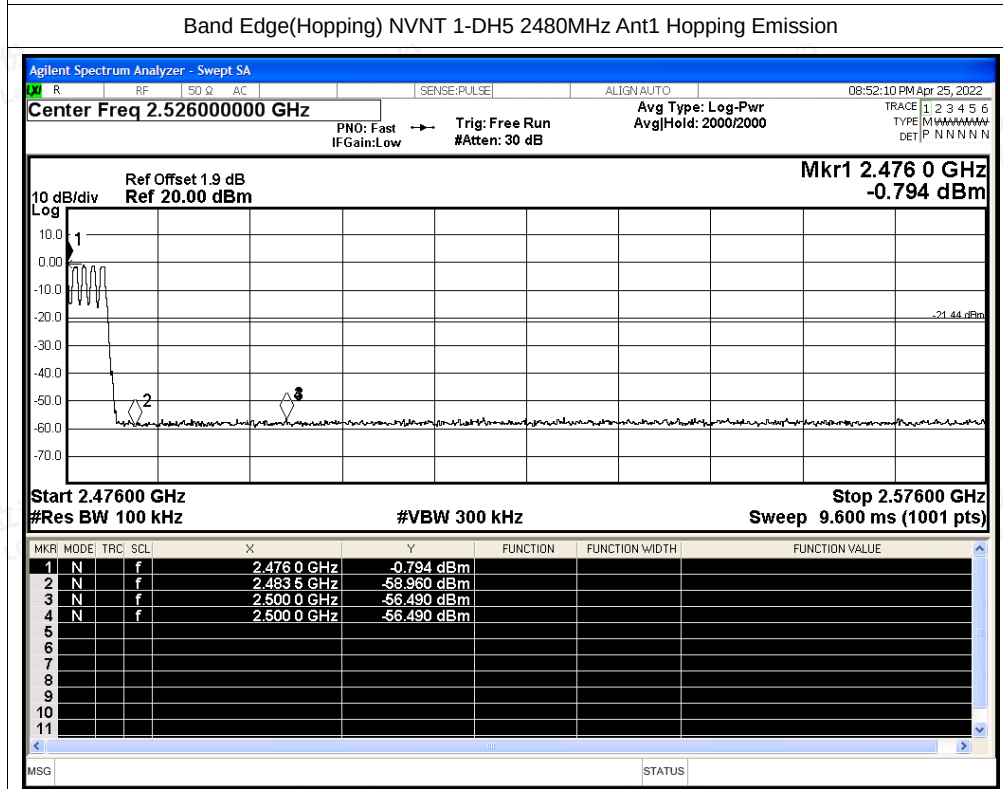
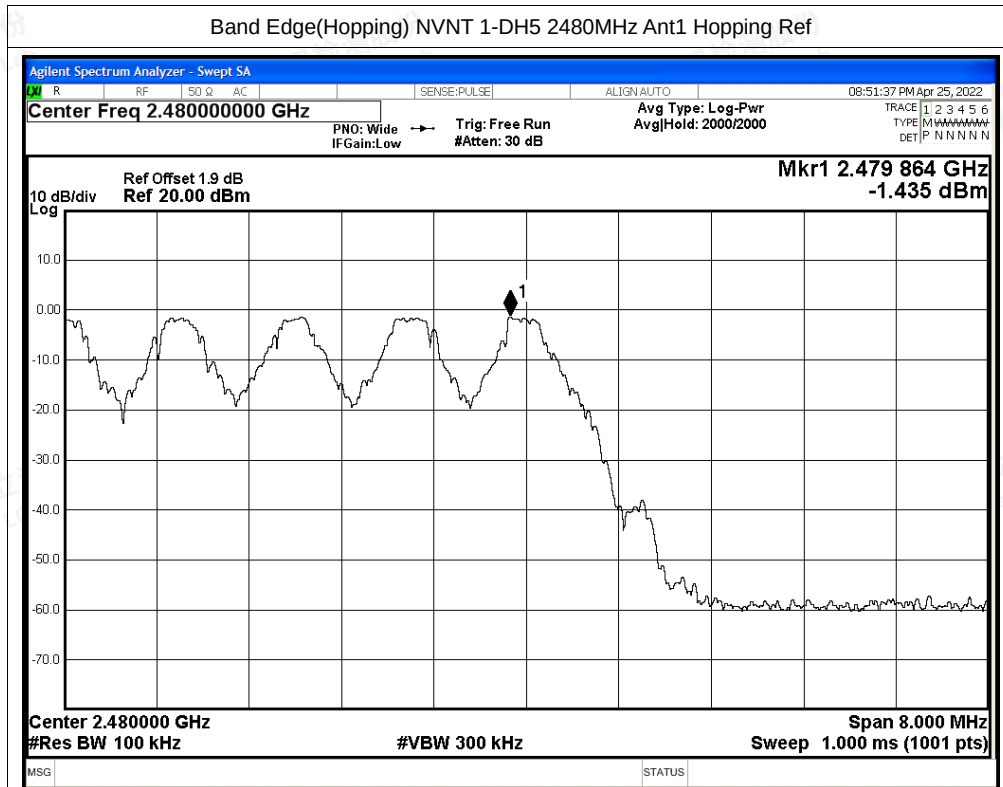


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Scan code to check authenticity

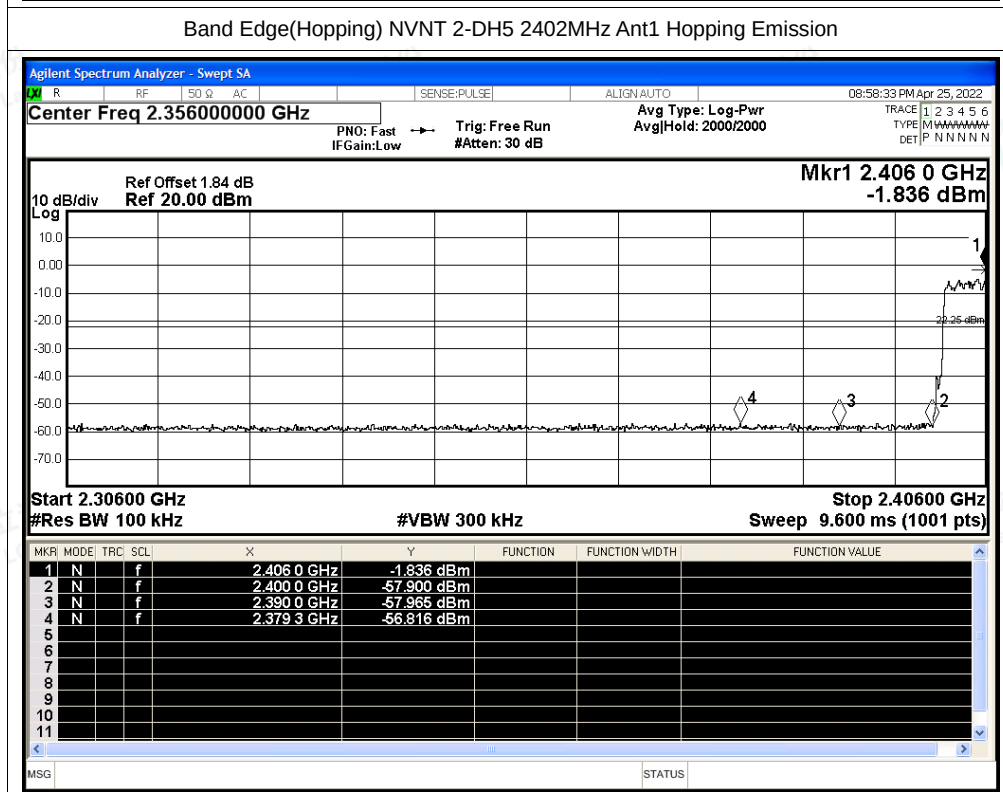
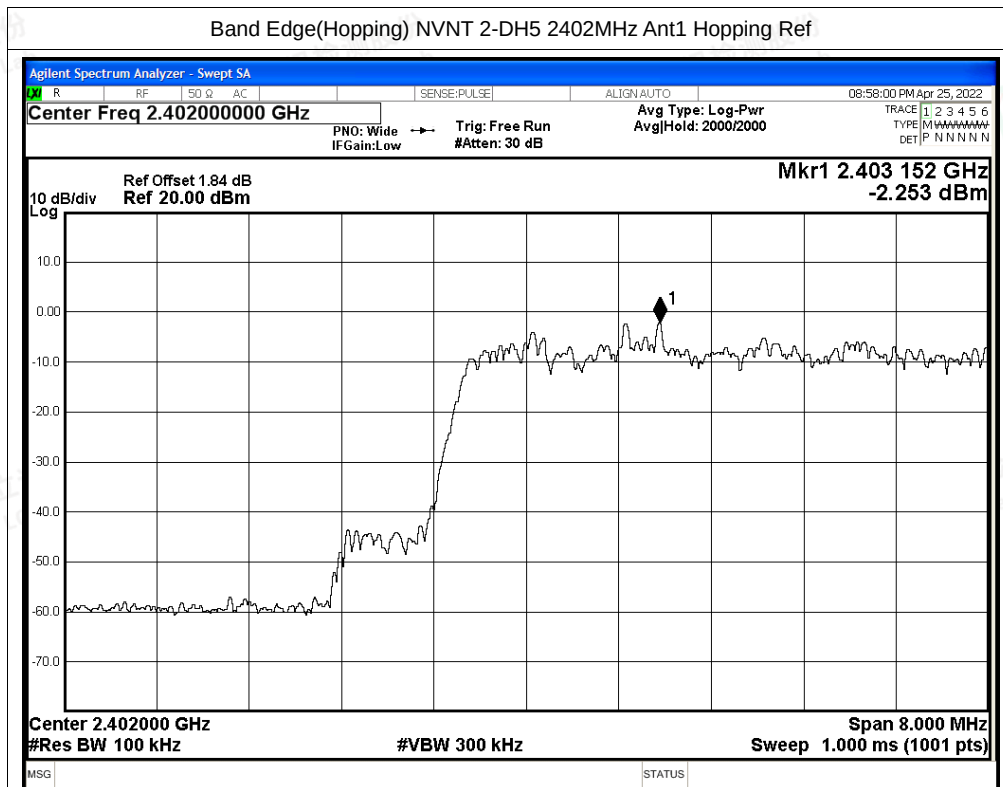


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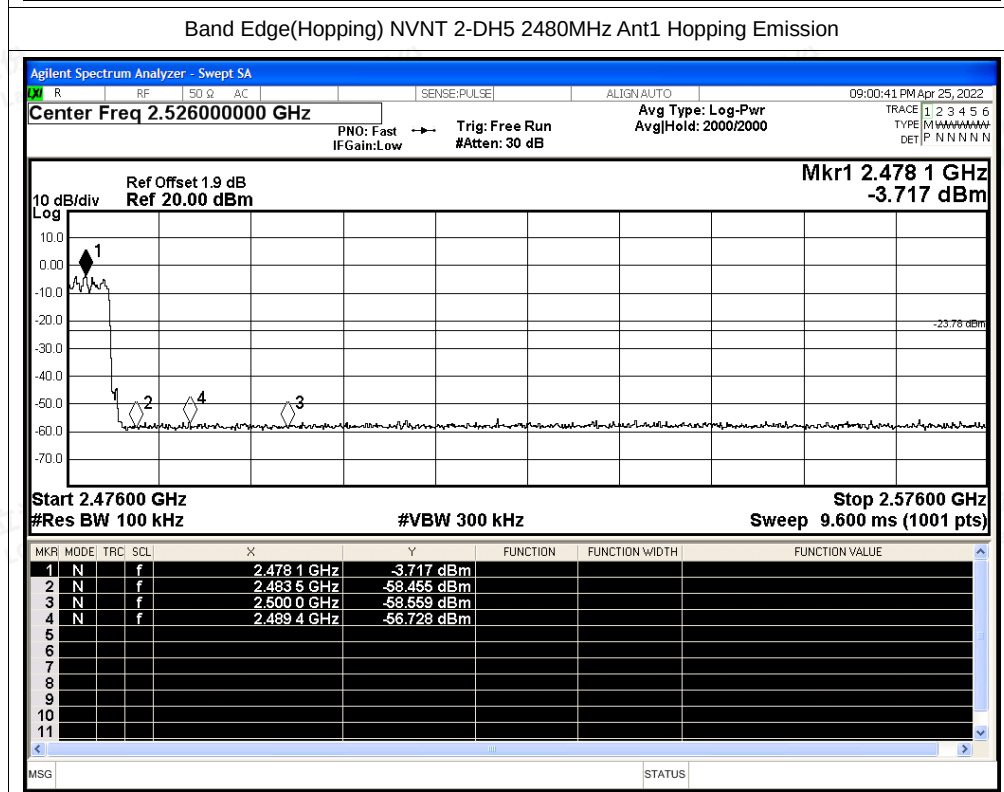
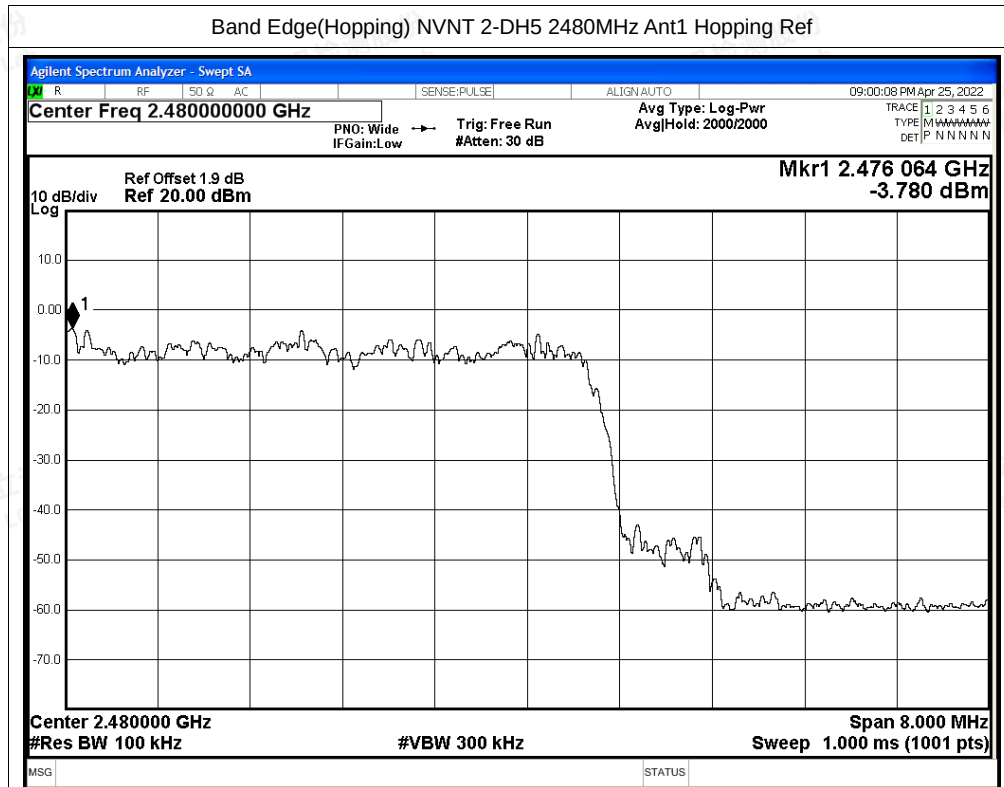


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Scan code to check authenticity

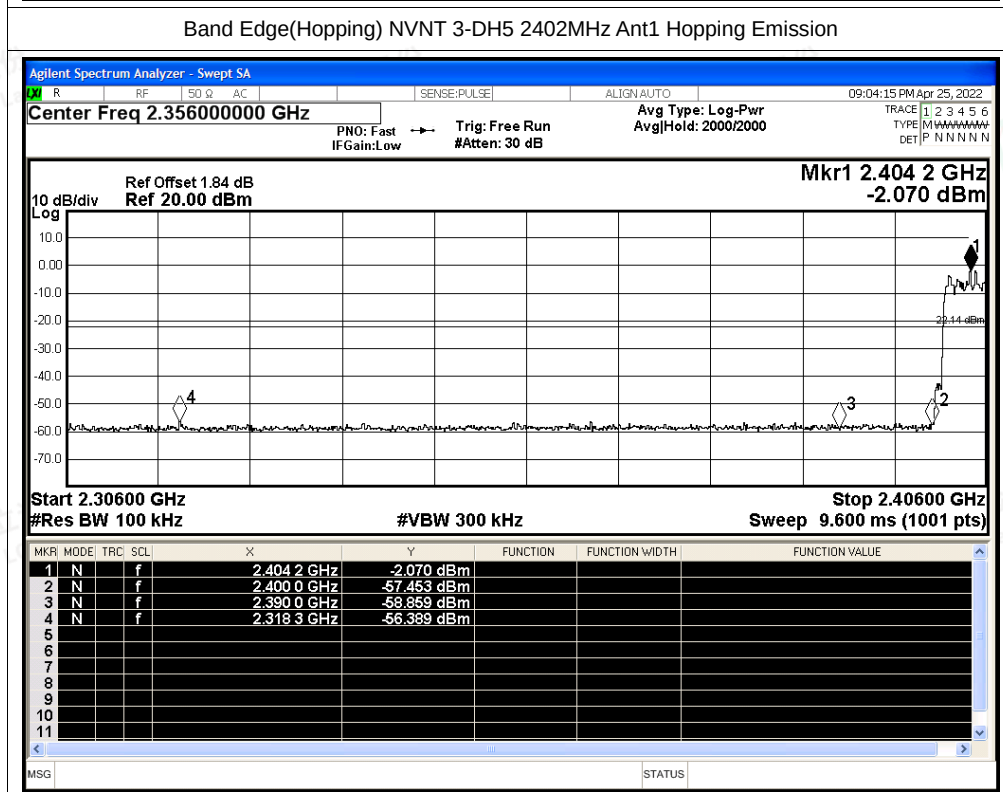
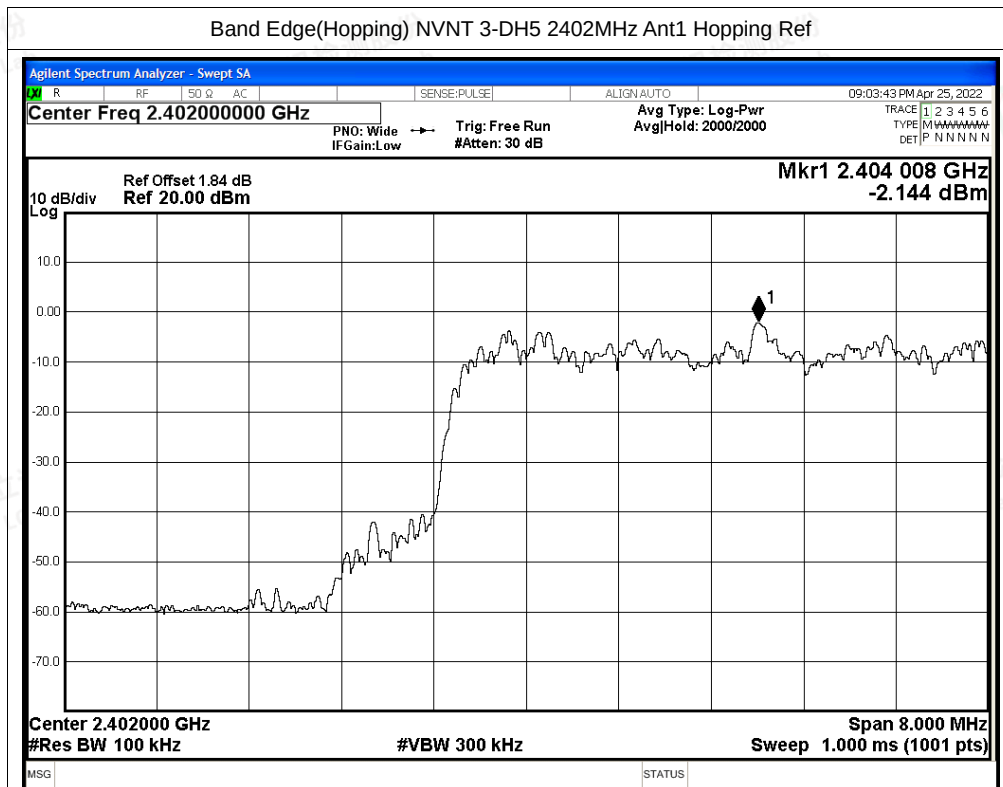


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Scan code to check authenticity

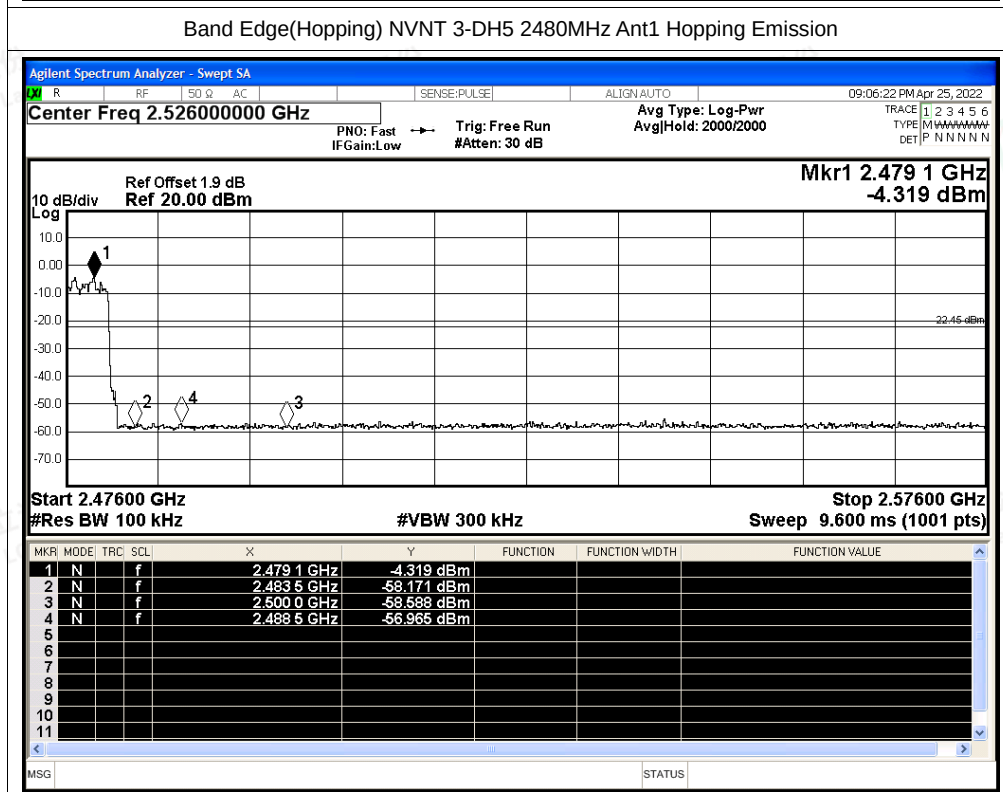
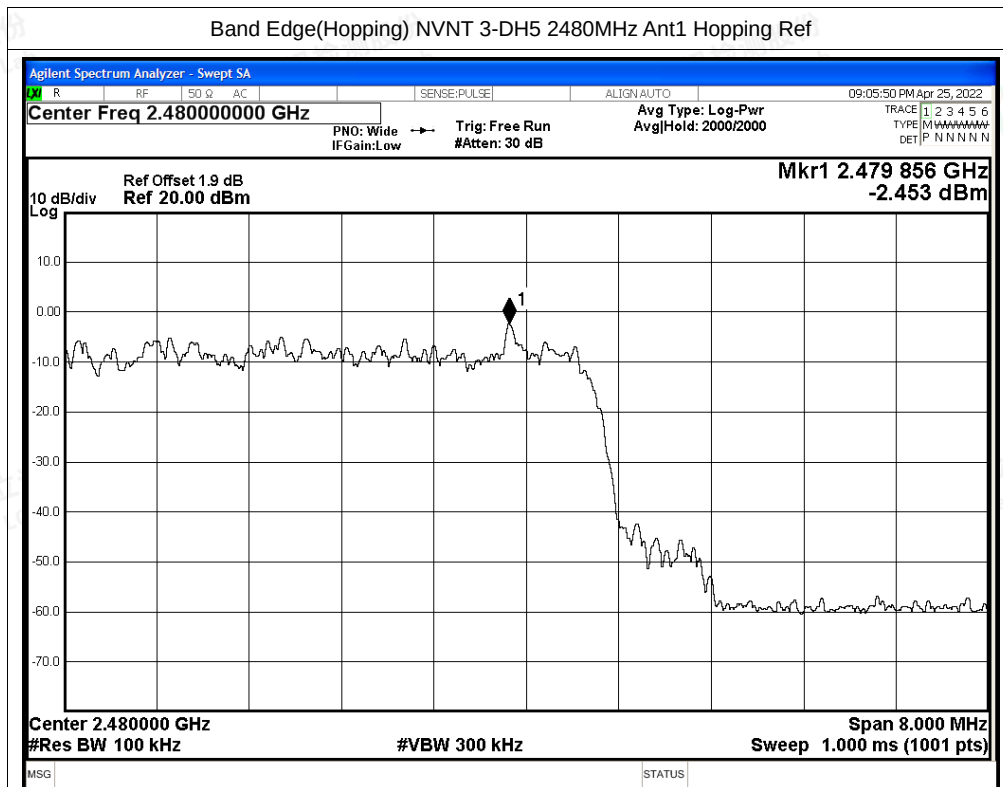


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A.7 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-40.31	-20	Pass
NVNT	1-DH5	2441	Ant1	-54.85	-20	Pass
NVNT	1-DH5	2480	Ant1	-54.57	-20	Pass
NVNT	2-DH5	2402	Ant1	-53.14	-20	Pass
NVNT	2-DH5	2441	Ant1	-29.7	-20	Pass
NVNT	2-DH5	2480	Ant1	-53.8	-20	Pass
NVNT	3-DH5	2402	Ant1	-53.41	-20	Pass
NVNT	3-DH5	2441	Ant1	-53.54	-20	Pass
NVNT	3-DH5	2480	Ant1	-53.9	-20	Pass



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

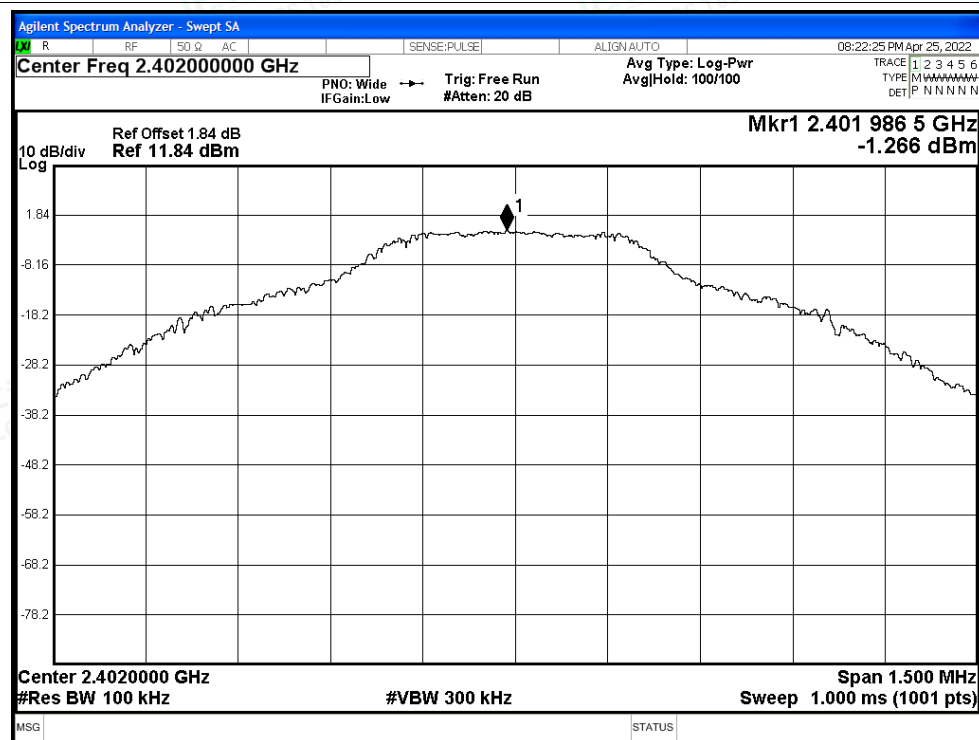
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

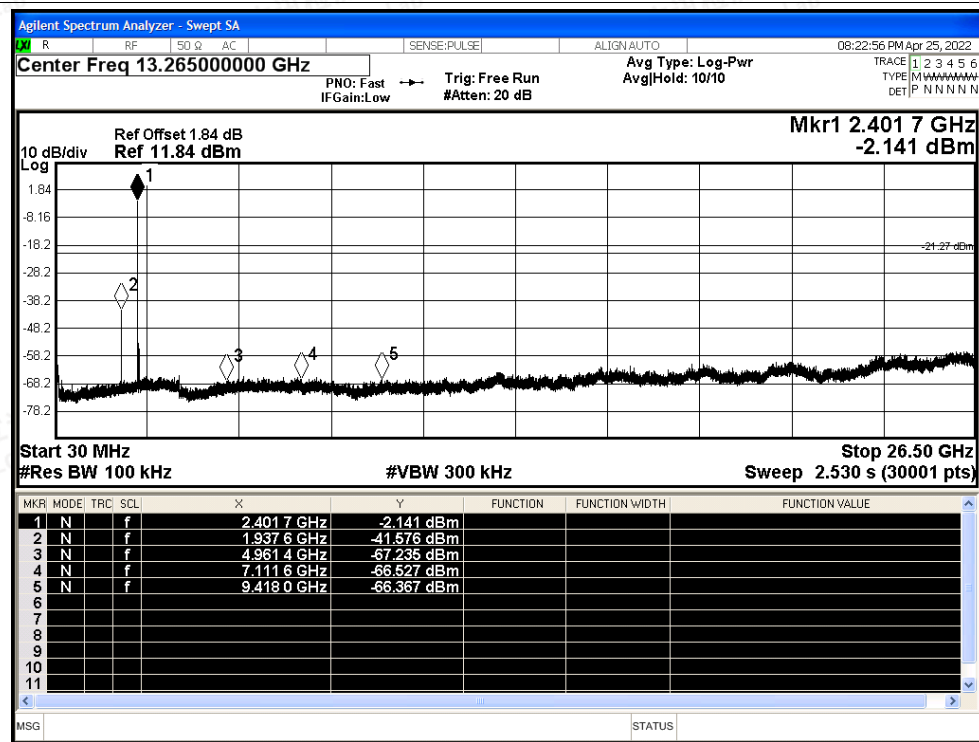


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

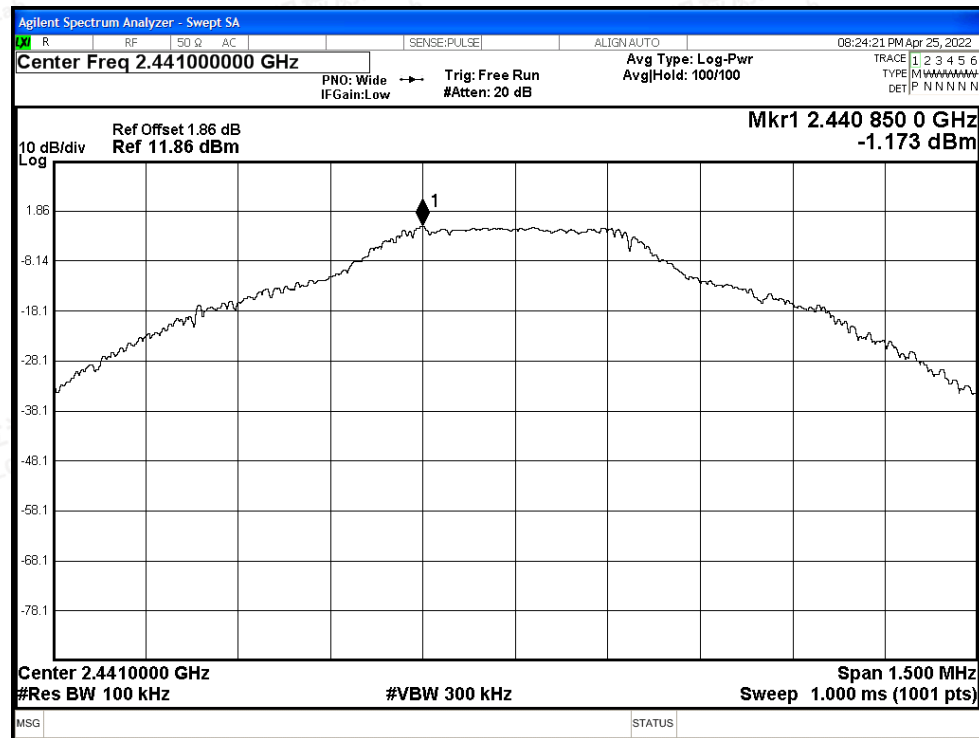
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

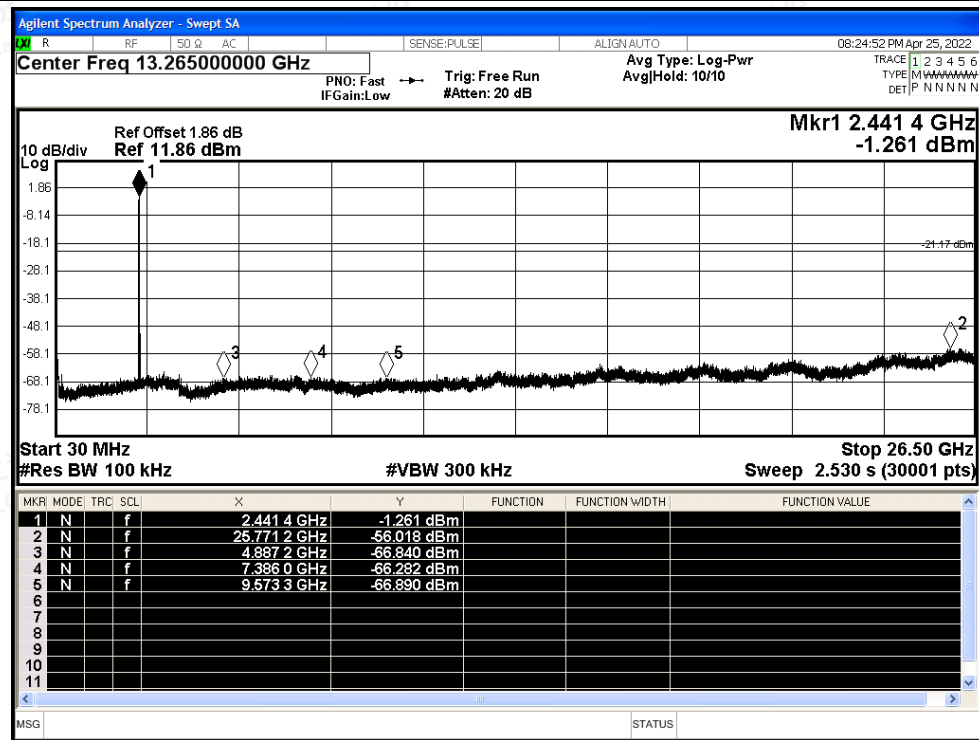
Scan code to check authenticity



Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

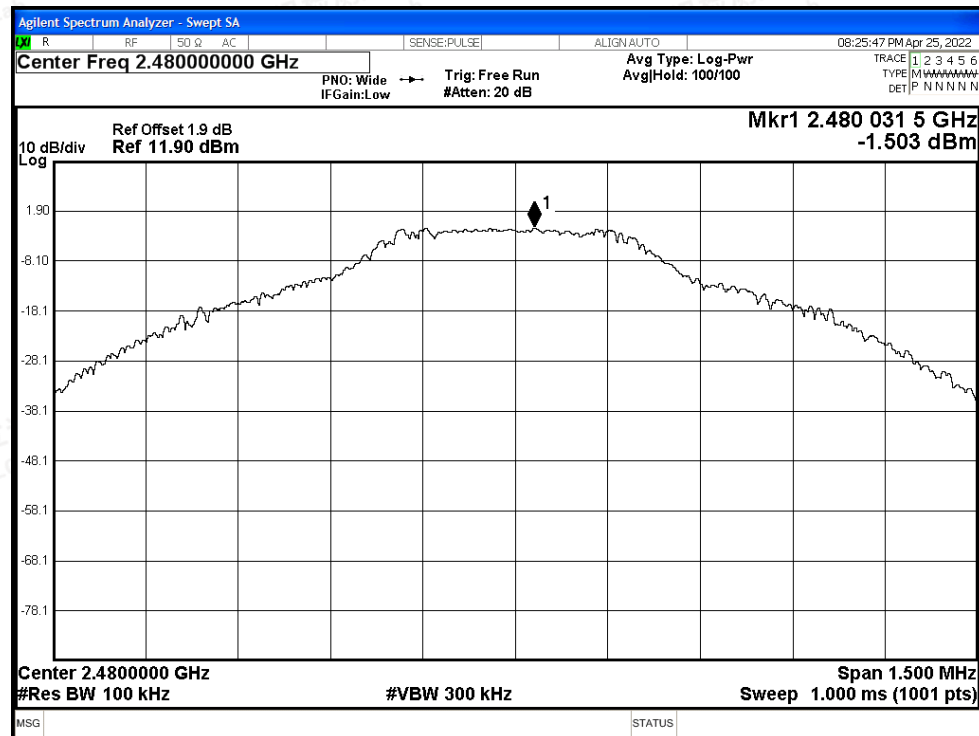
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

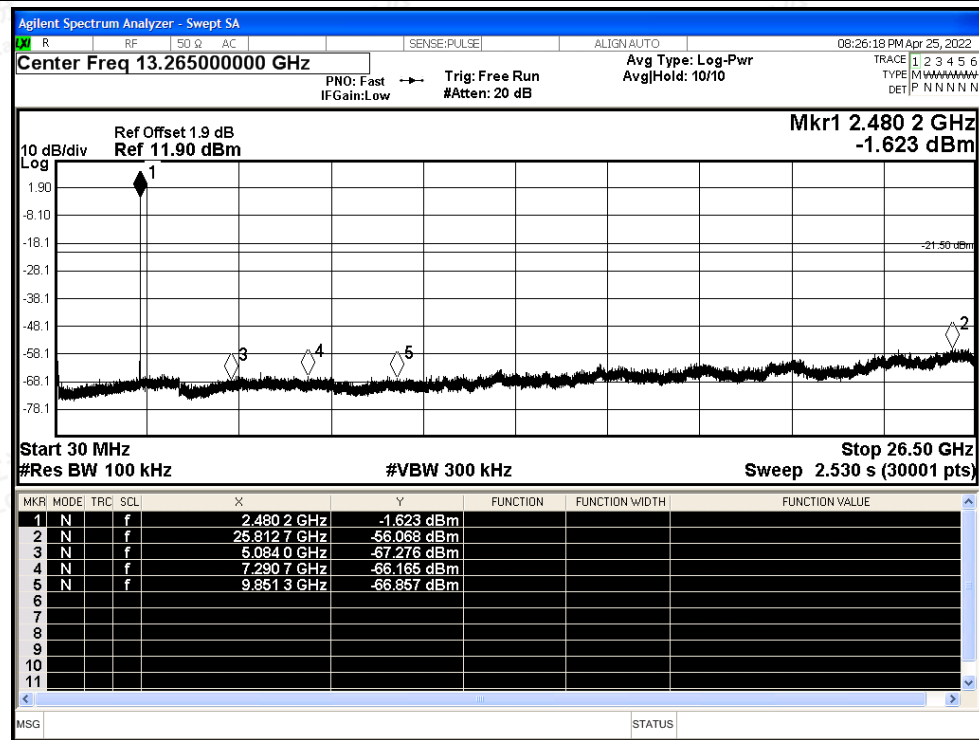
Scan code to check authenticity



Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

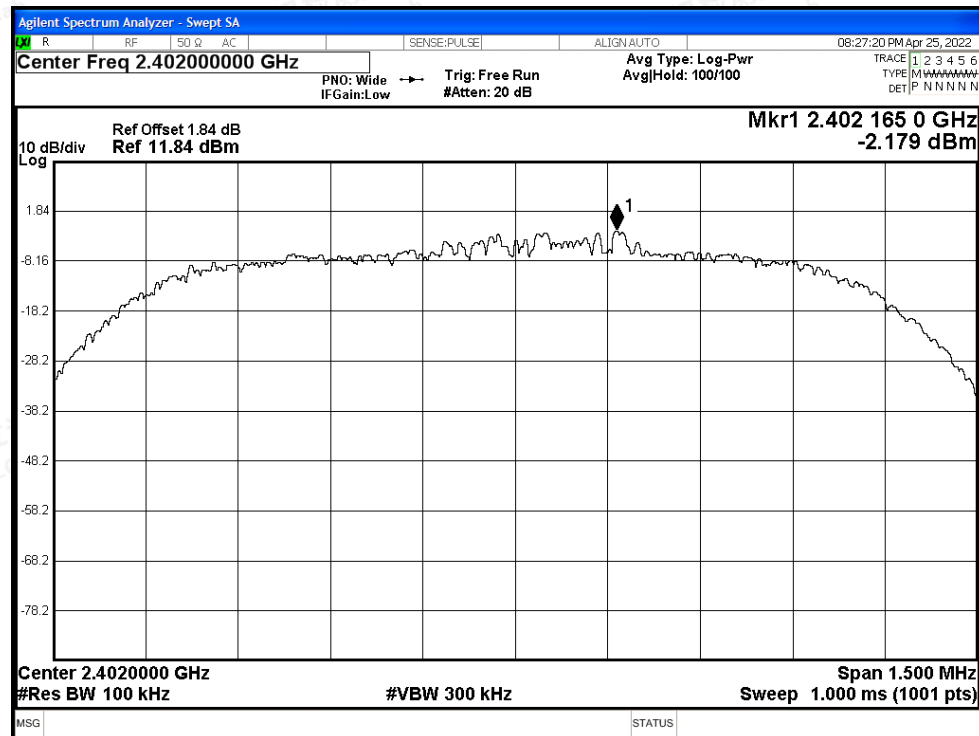
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

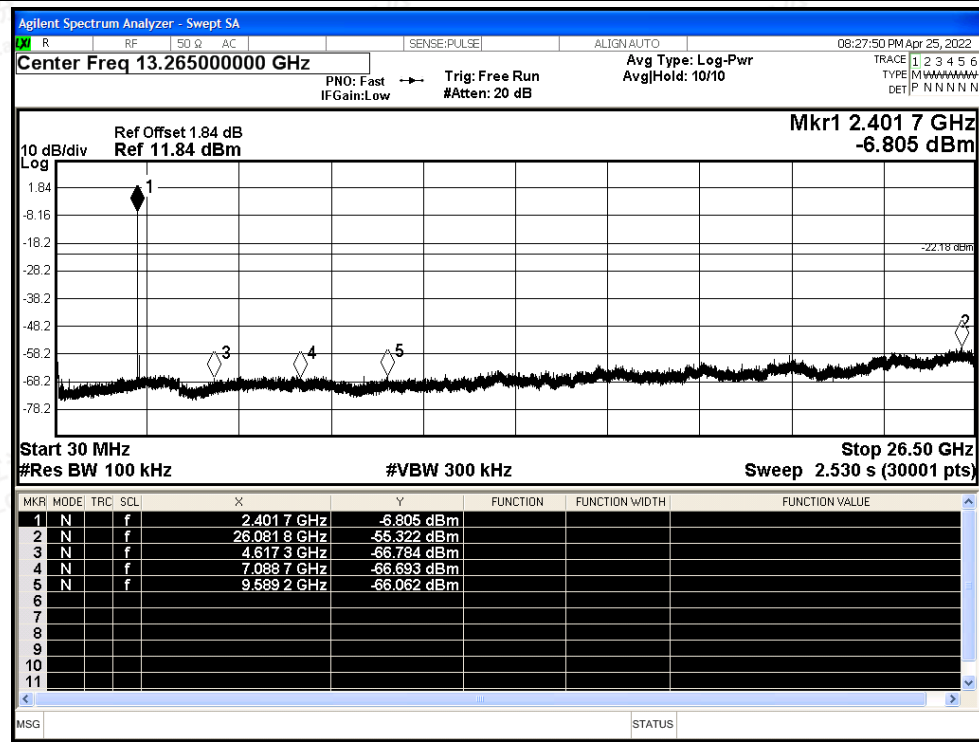
Scan code to check authenticity



Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

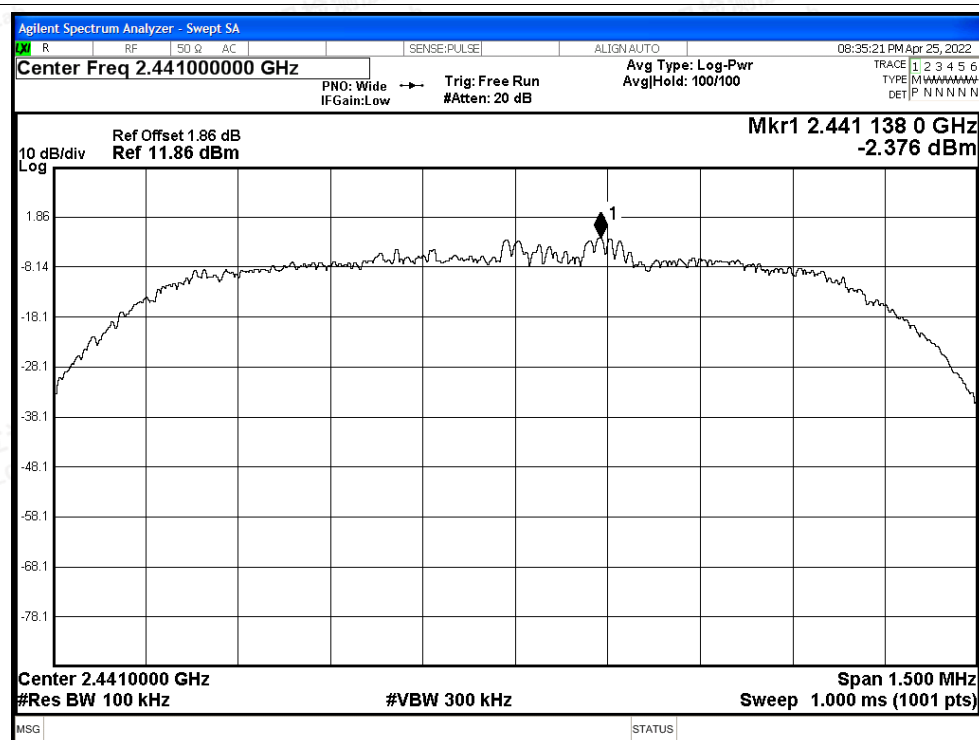
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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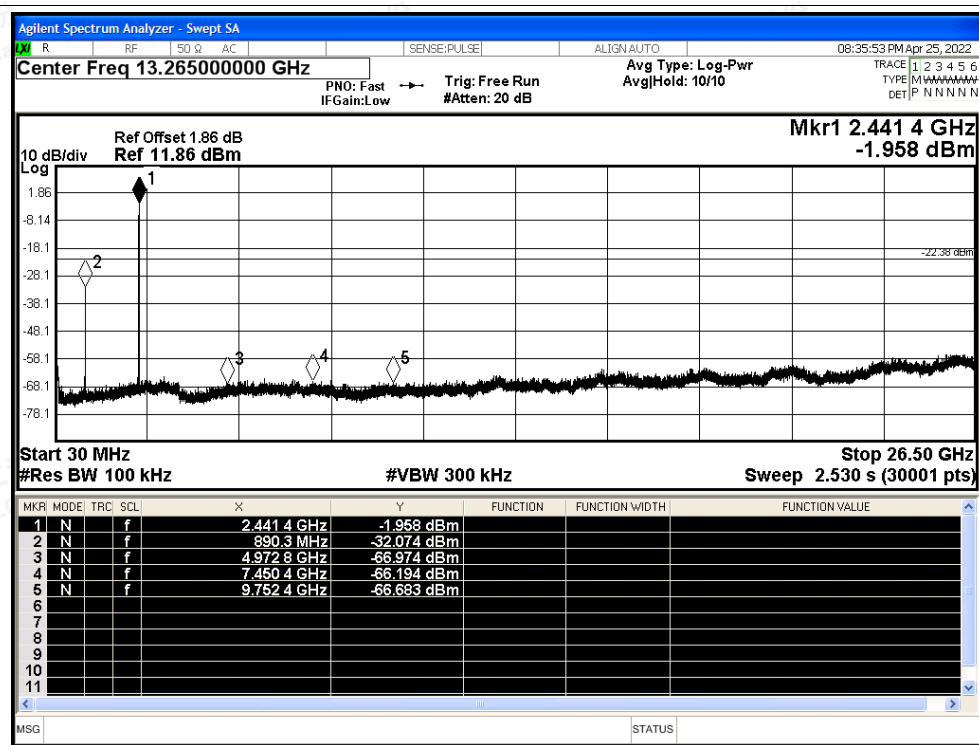
Scan code to check authenticity



Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

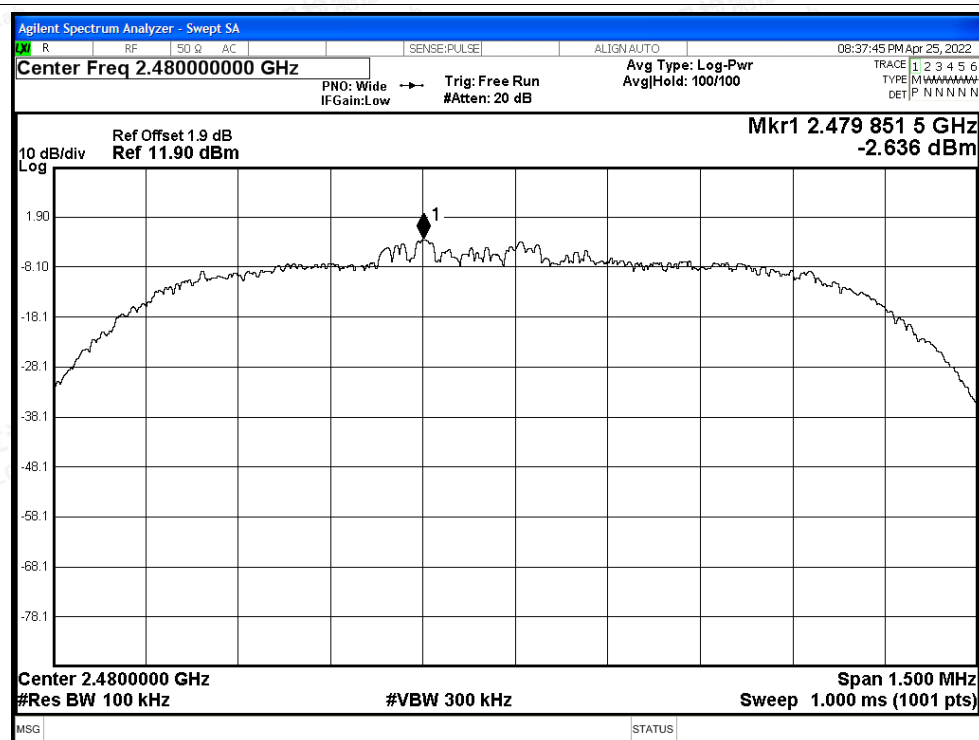
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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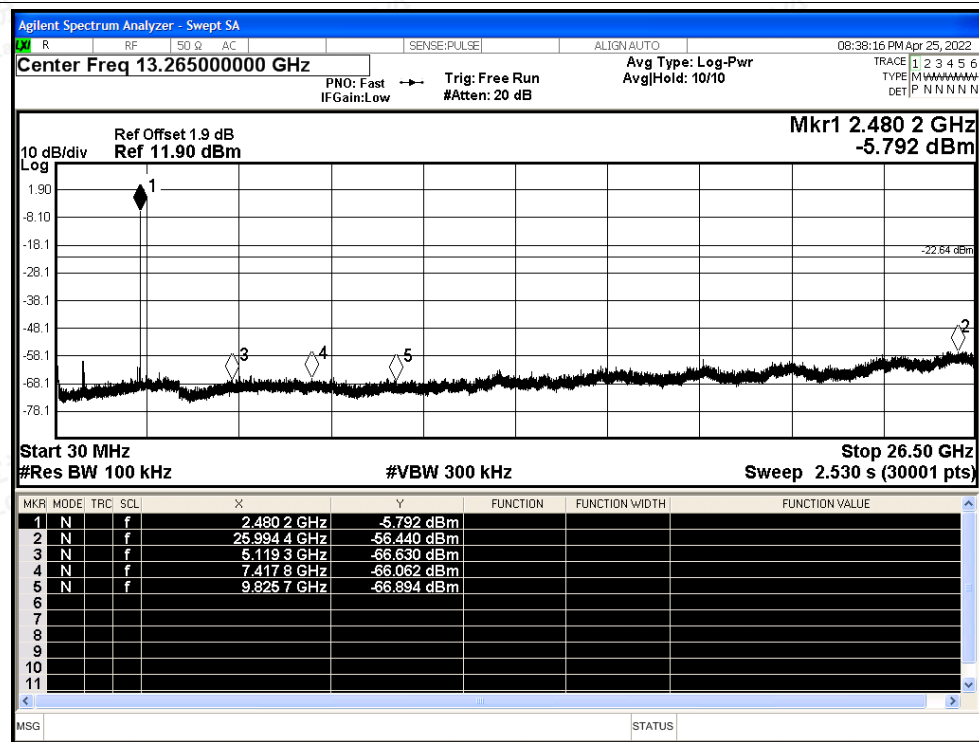
Scan code to check authenticity



Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

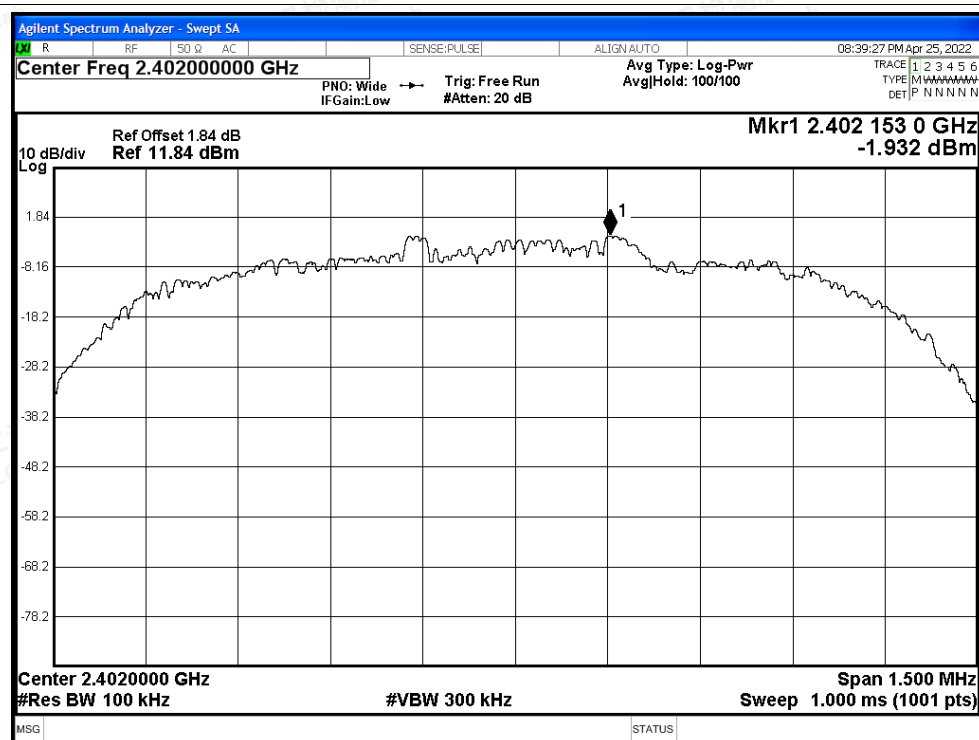
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

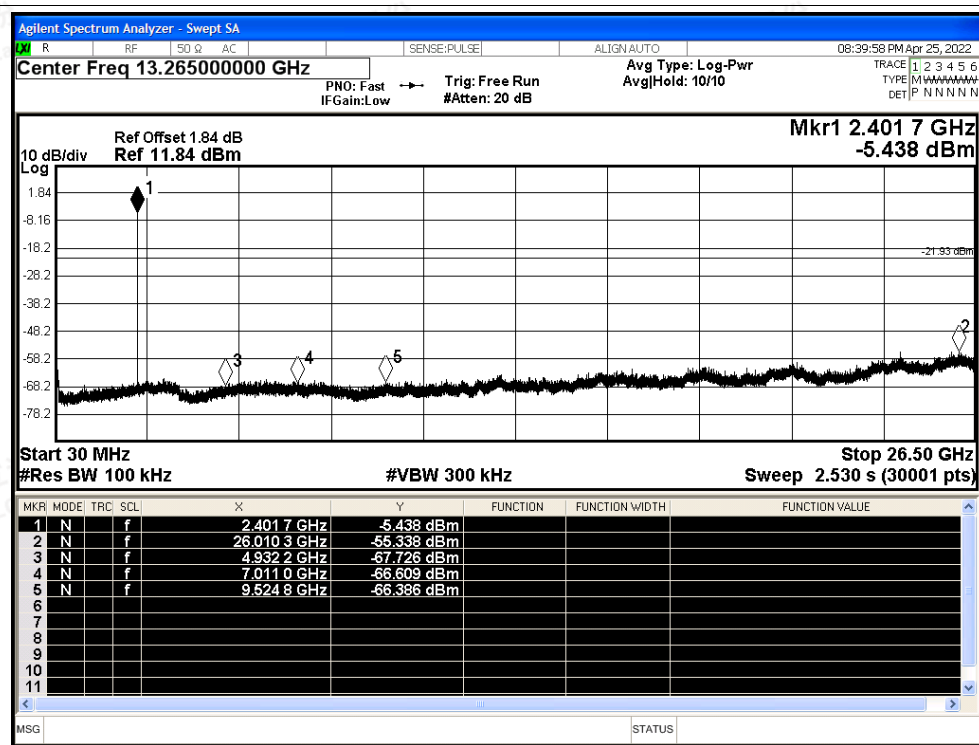
Scan code to check authenticity



Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

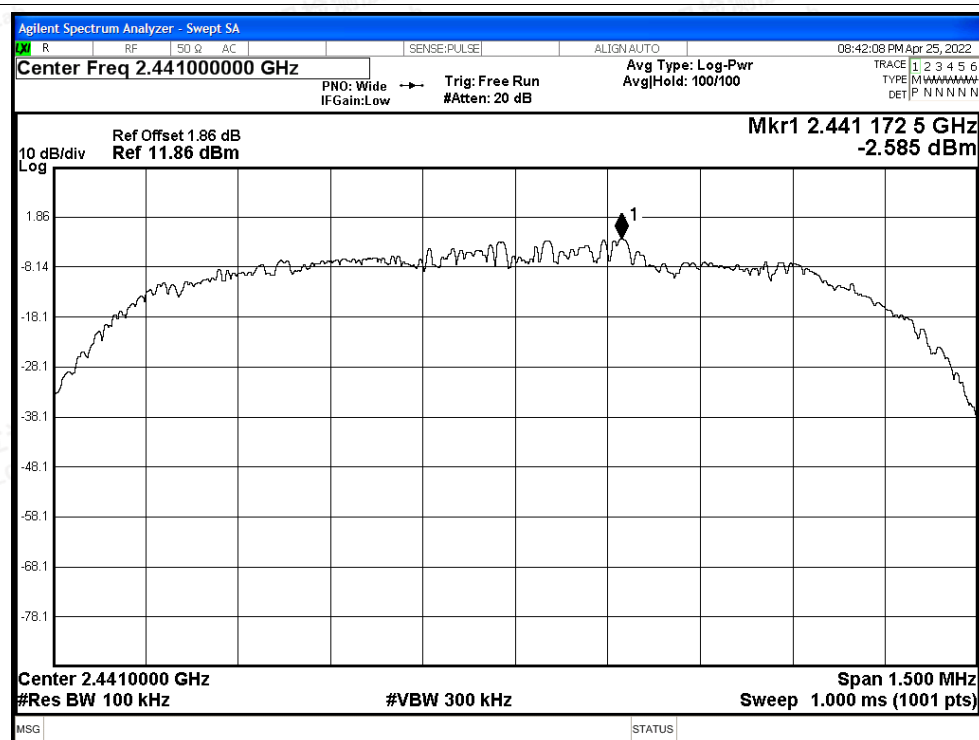
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

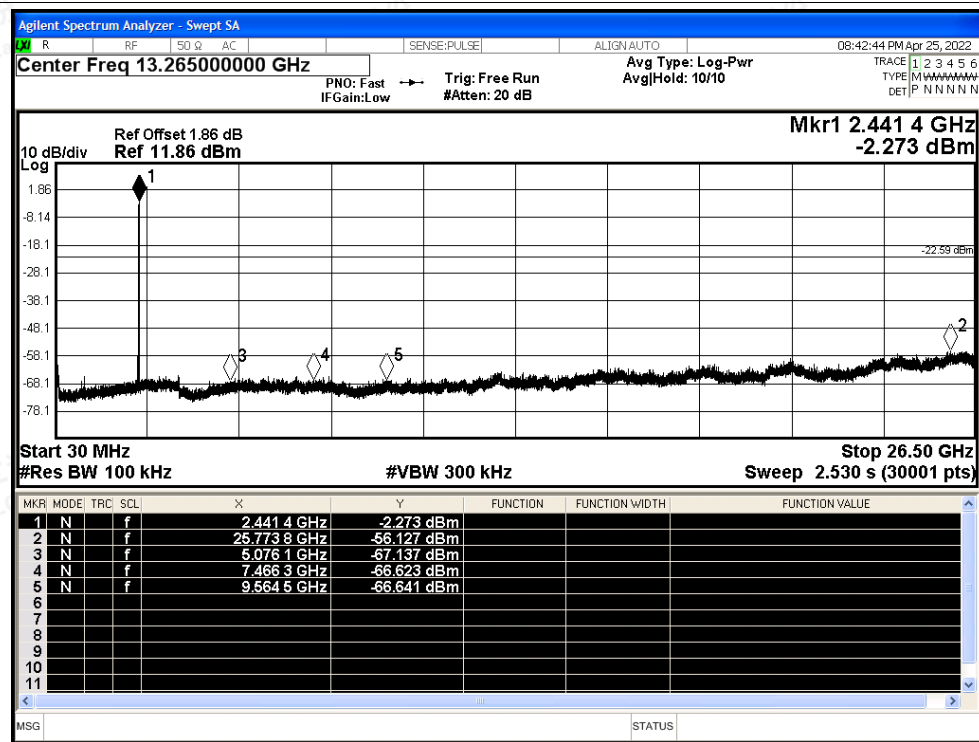
Scan code to check authenticity



Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

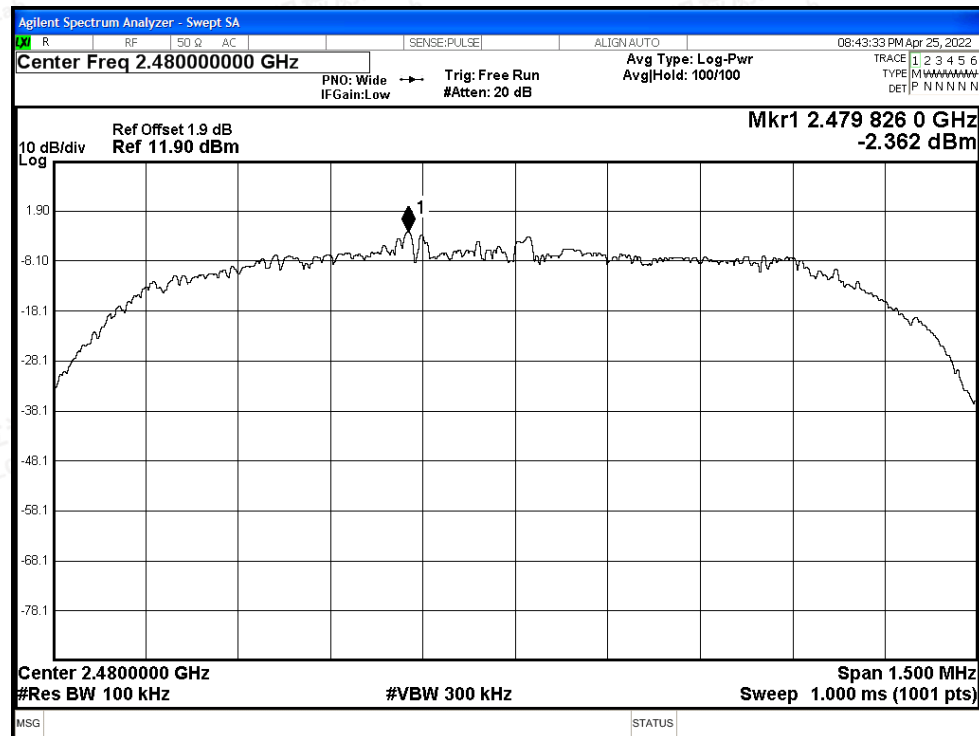
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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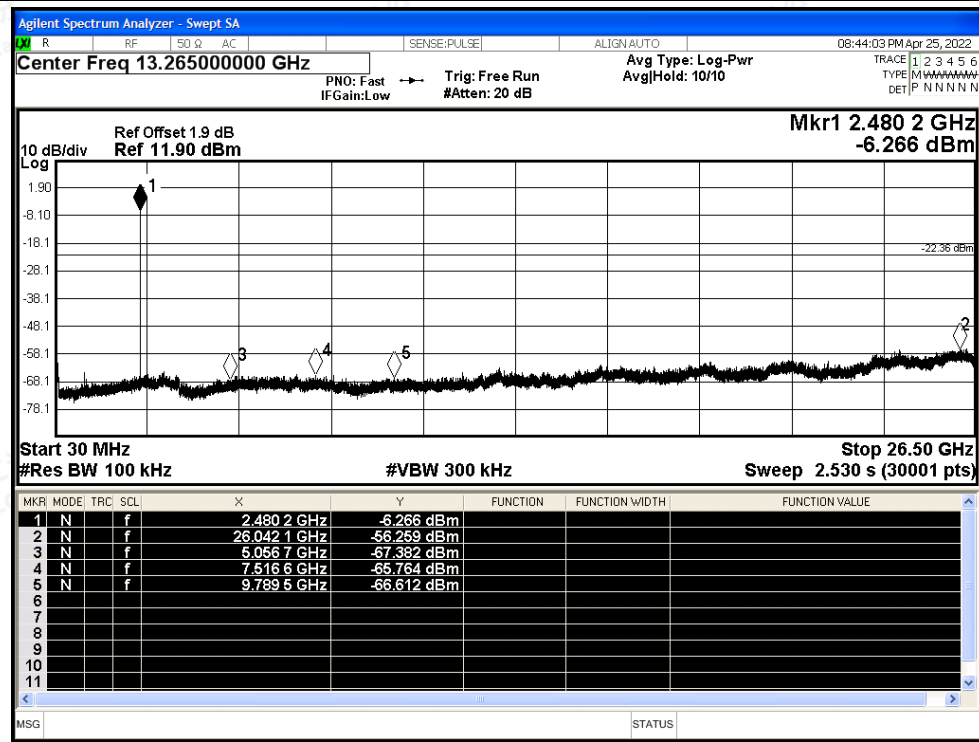
Scan code to check authenticity



Tx. Spurious NVNT 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	-49.28	2	47.98	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-60.71	2	36.55	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2363.76	-47.95	2	49.31	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2389.872	-60.29	2	36.97	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-51.08	2	46.18	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-60.43	2	36.83	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-49.31	2	47.95	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-60.12	2	37.14	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2499.784	-47.04	2	50.22	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2497.888	-59.88	2	37.38	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-49.46	2	47.8	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-60.01	2	37.25	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-50.2	2	47.06	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-60.82	2	36.44	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2360.208	-47.18	2	50.08	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2389.776	-60.27	2	36.99	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-50.35	2	46.91	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-60.46	2	36.8	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-50.36	2	46.9	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-60.05	2	37.21	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2490.664	-46.43	2	50.83	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2499.568	-59.85	2	37.41	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-51.29	2	45.97	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-60.21	2	37.05	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-50.6	2	46.66	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-60.76	2	36.5	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2338.704	-47.51	2	49.75	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2382.192	-60.31	2	36.95	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-50.91	2	46.35	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-60.47	2	36.79	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-50.55	2	46.71	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-59.76	2	37.5	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2490.376	-45.93	2	51.33	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.512	-59.76	2	37.5	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-50.55	2	46.71	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-60	2	37.26	Average	54	Pass



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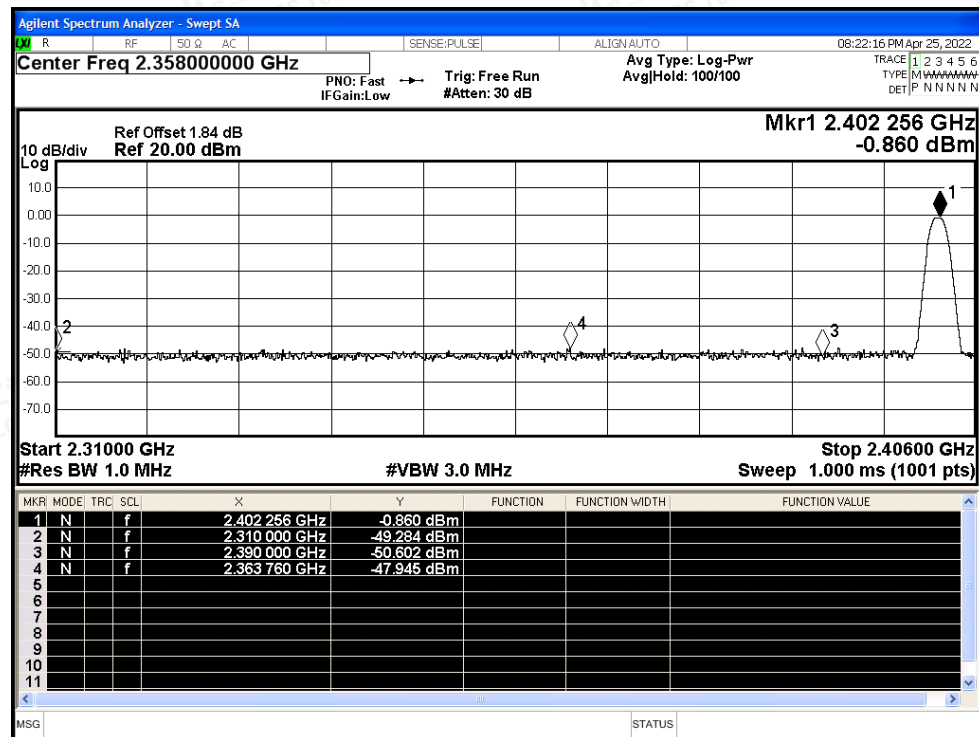
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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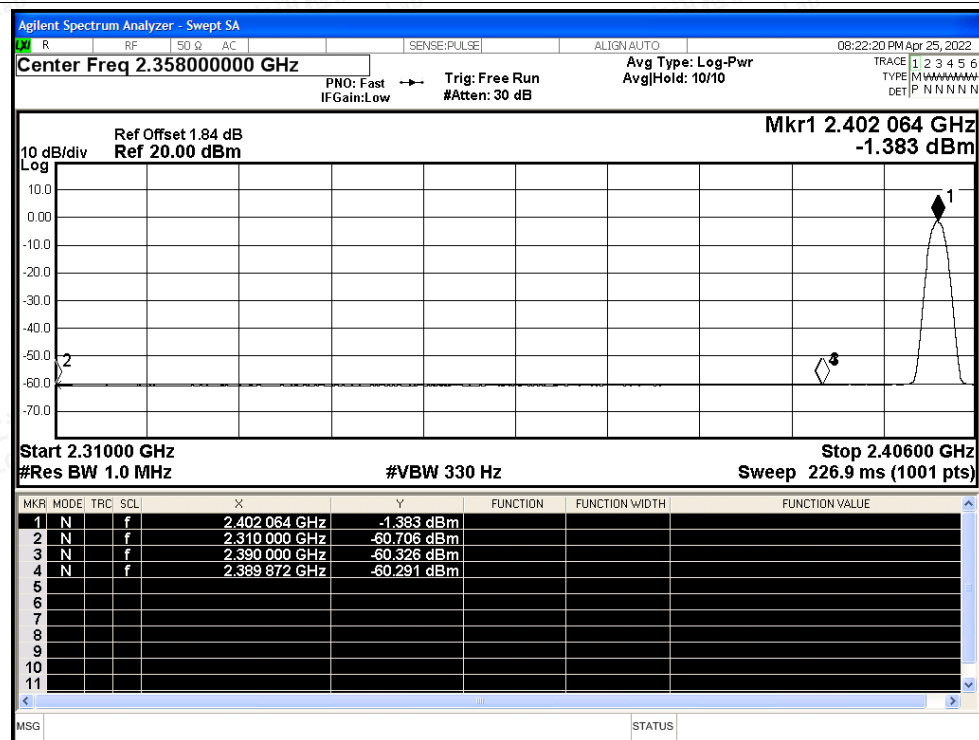


Test Graphs

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



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

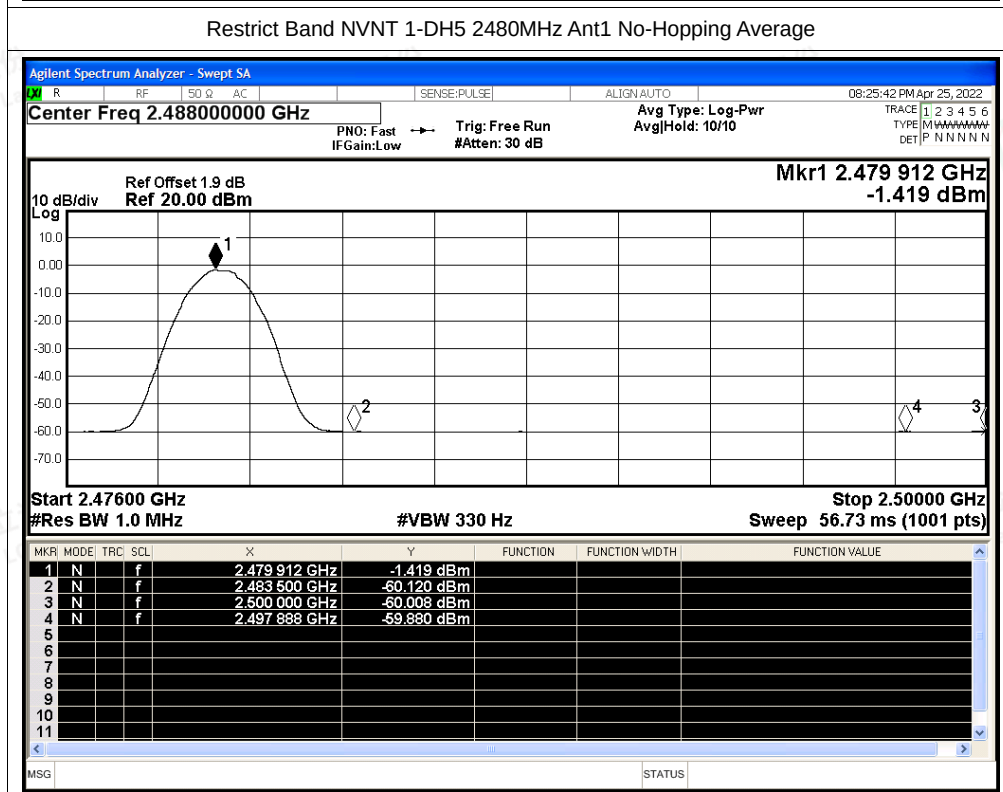
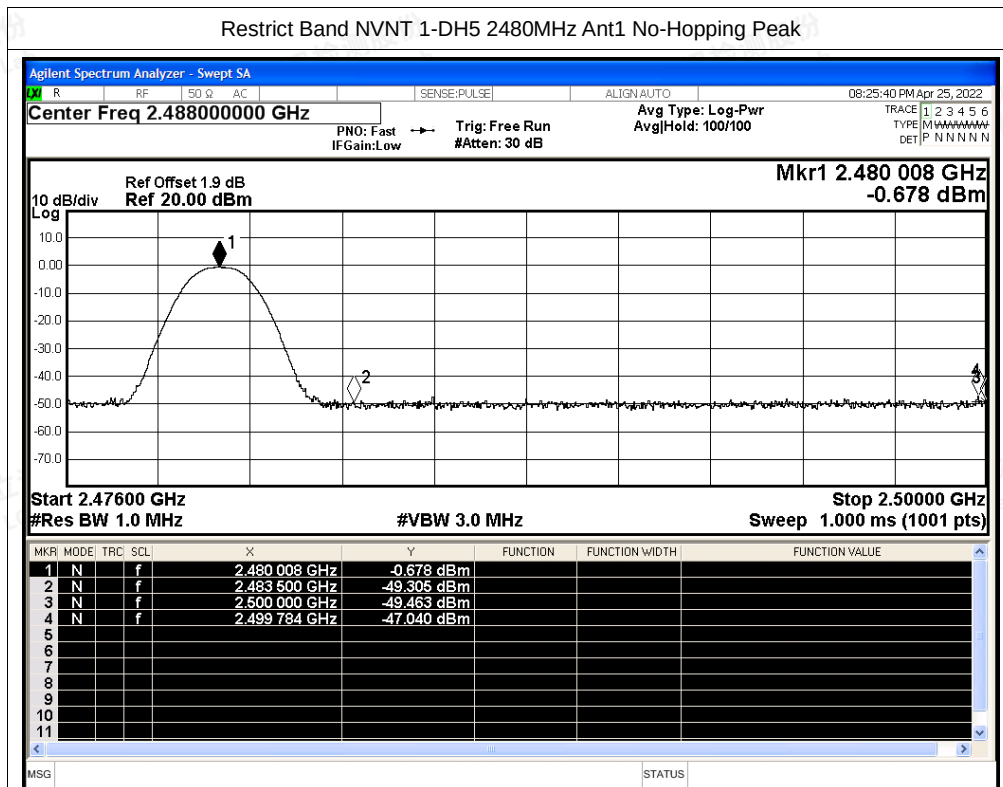


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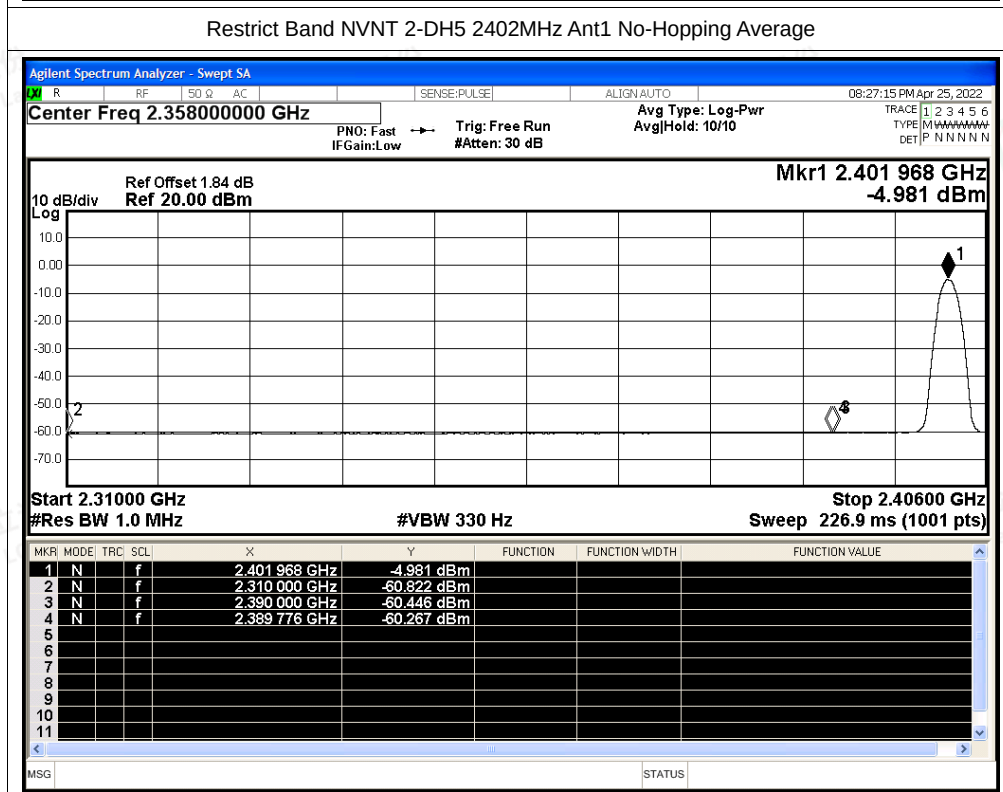
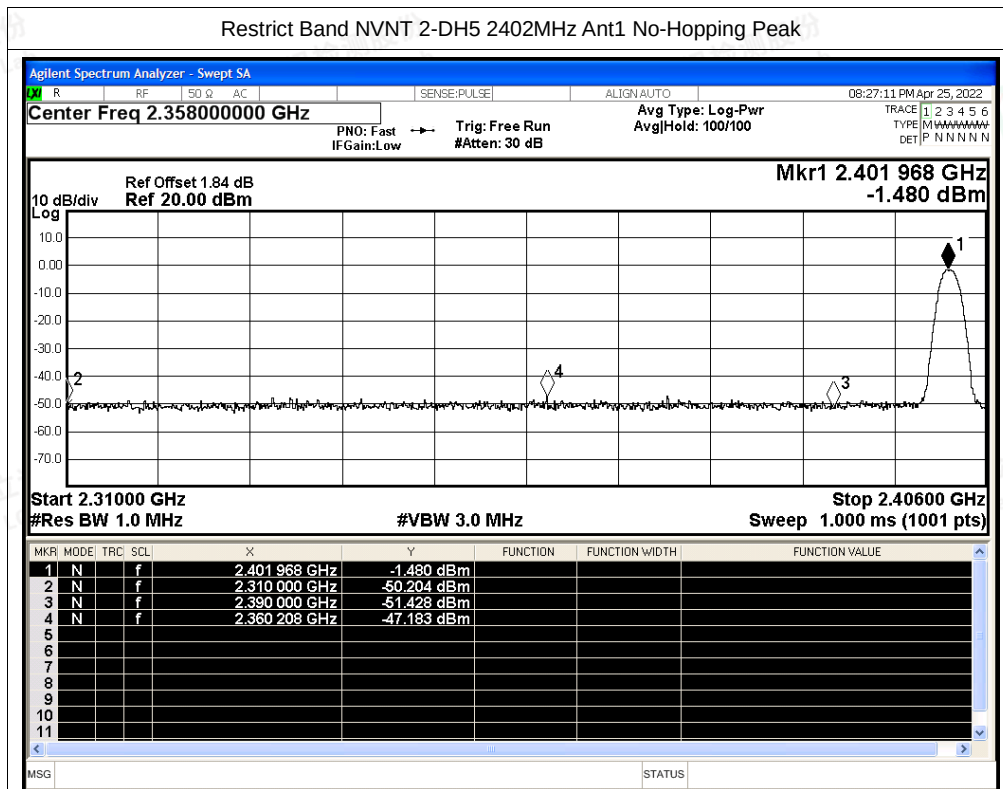


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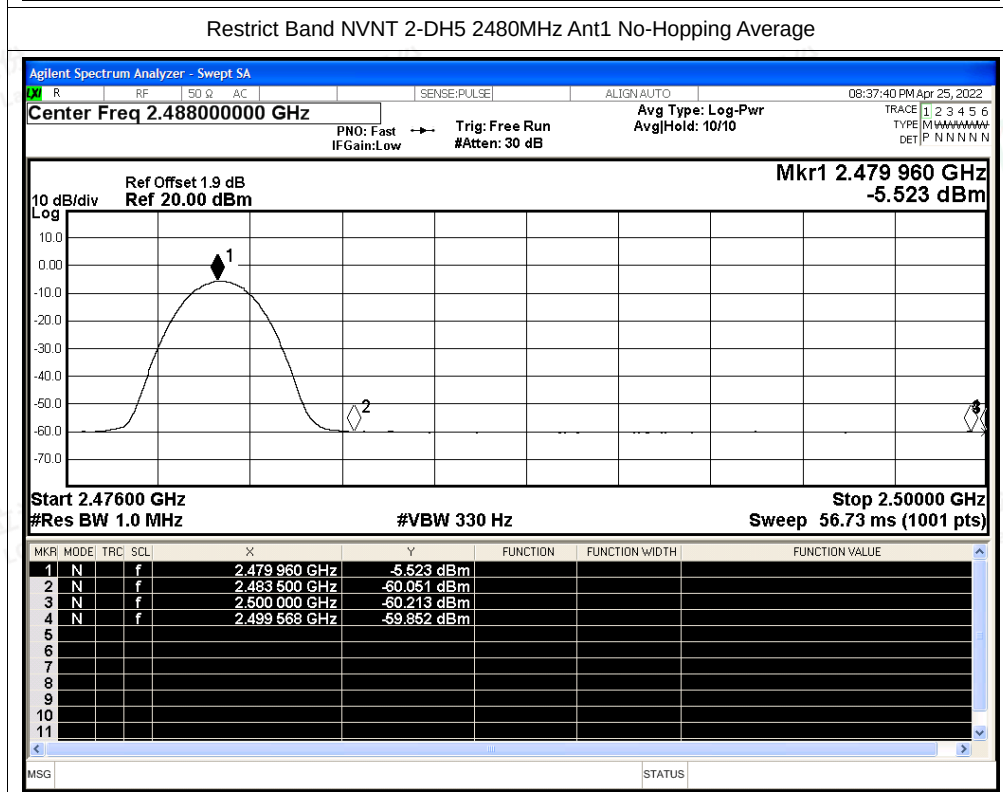
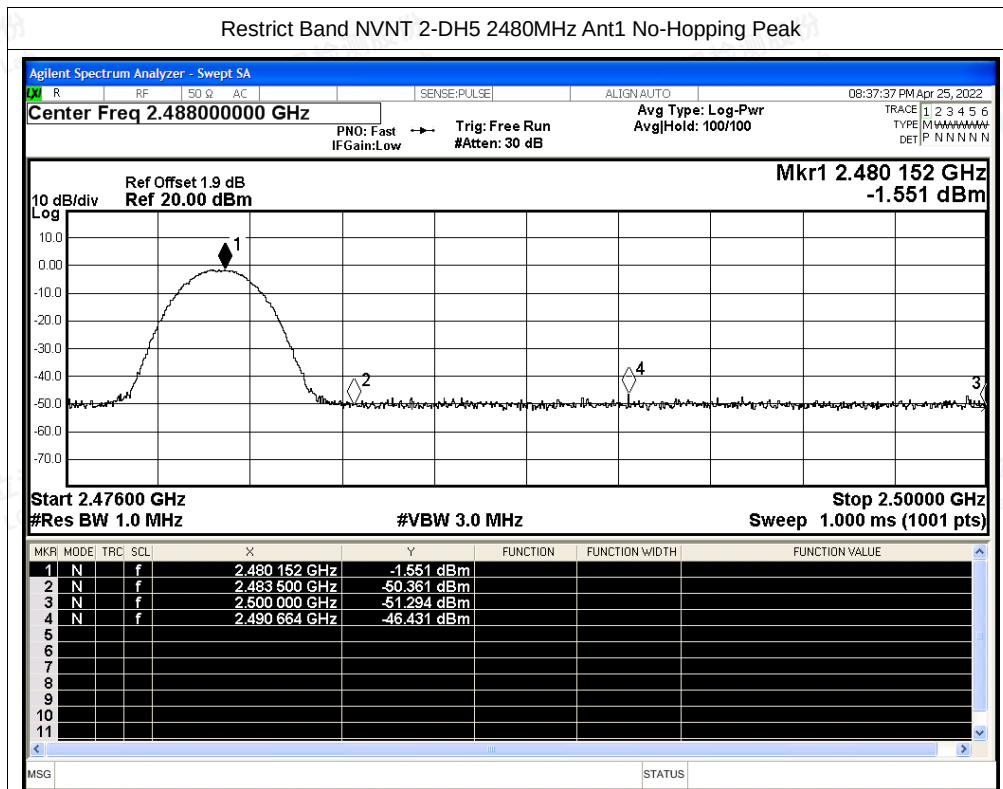


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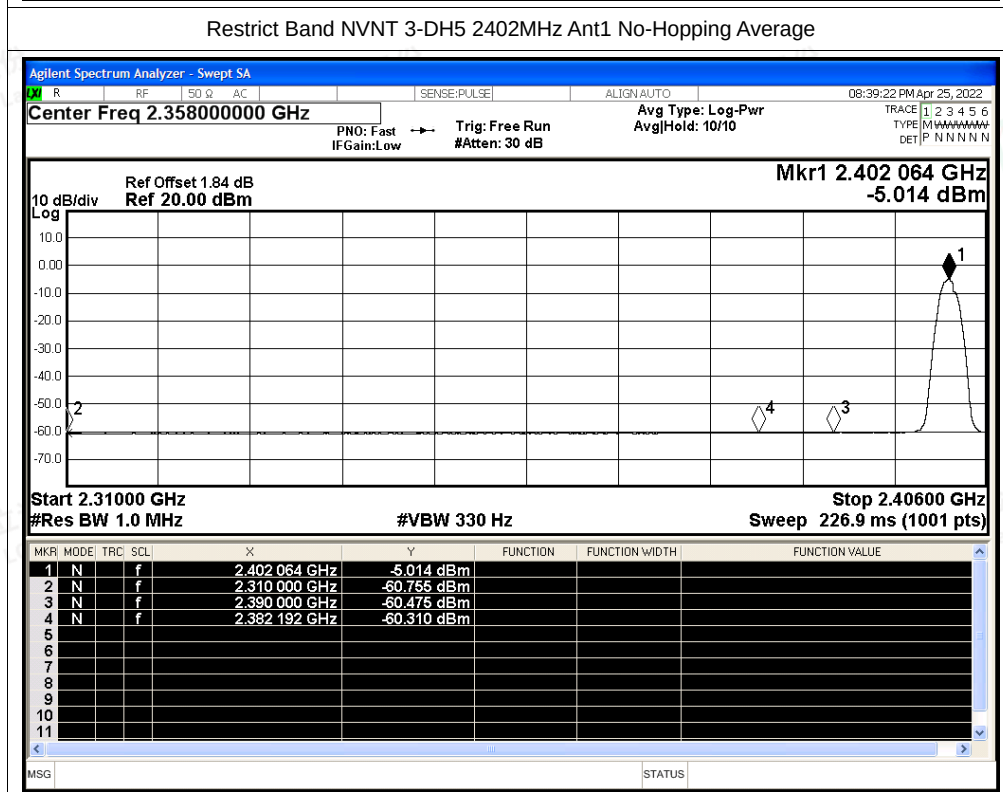
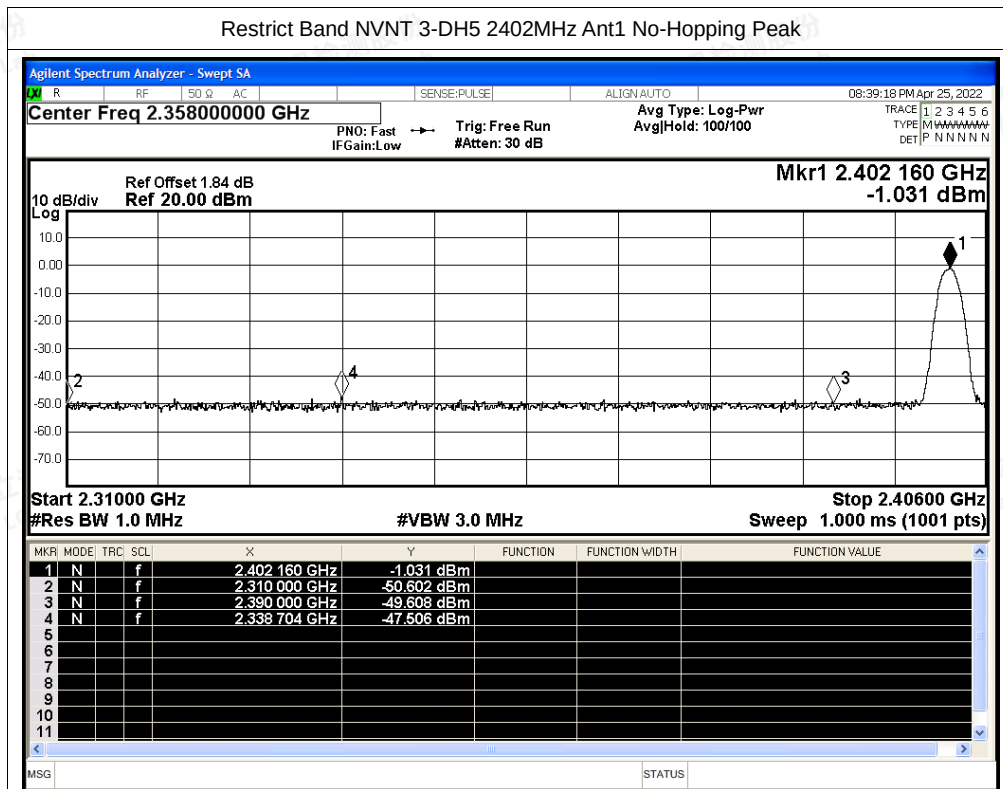


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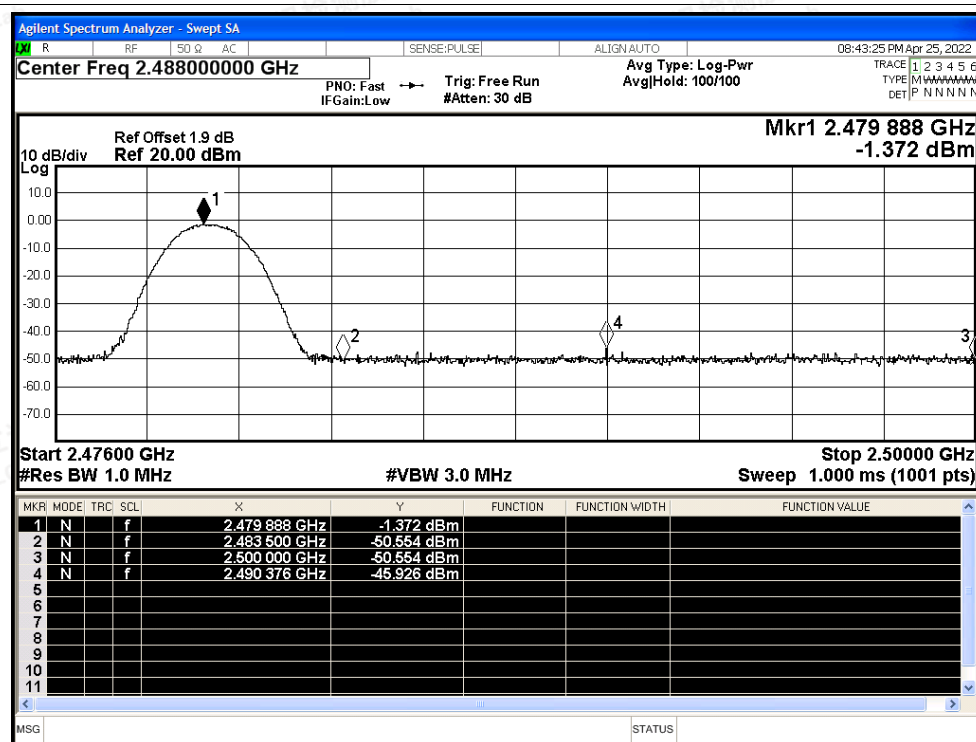
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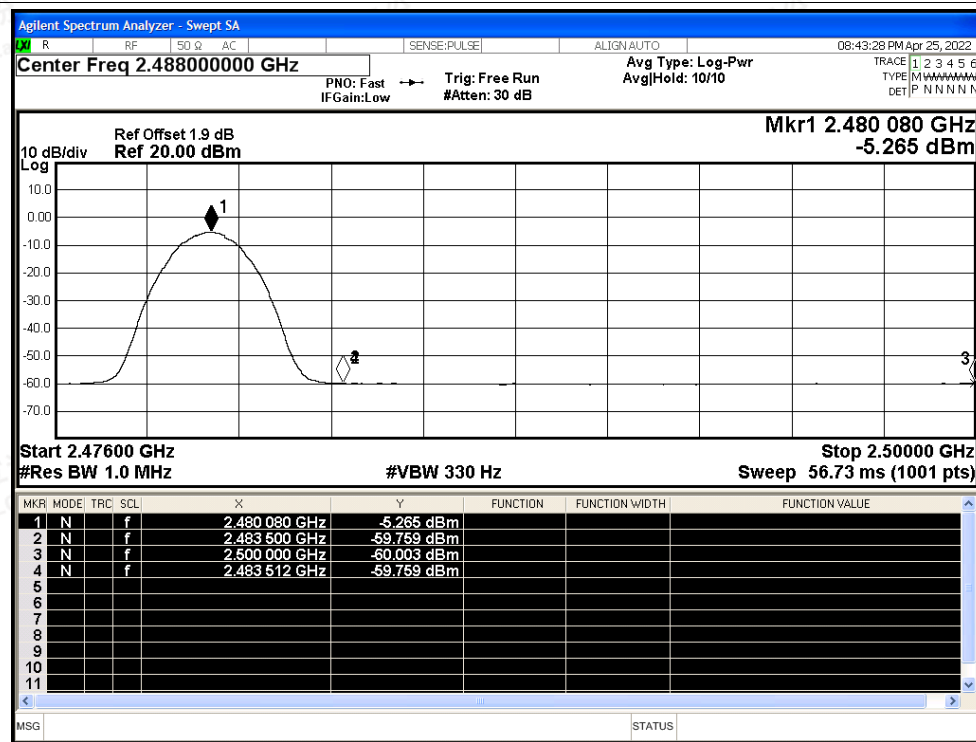
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Restrict Band NVNT 3-DH5 2480MHz Ant1 No-Hopping Peak



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



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