



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: 24 inch FHD All-in-One Desktop Computer

Test Model: SC-4424AIO

Environmental Conditions

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



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518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
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A.1 -20dB Bandwidth

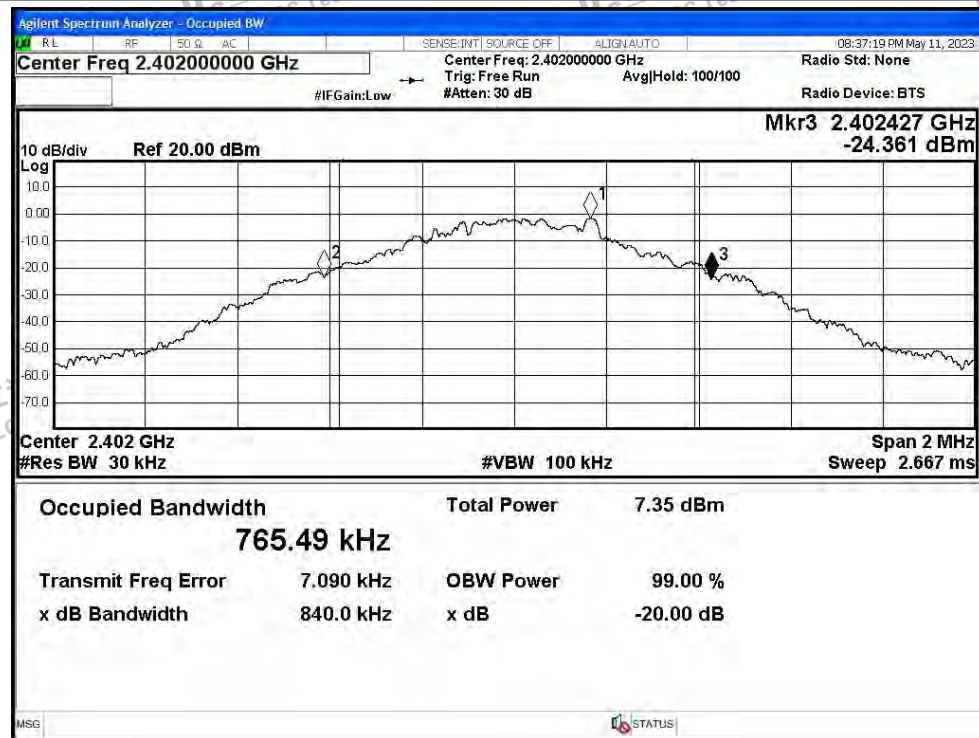
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.84	0	Pass
NVNT	1-DH5	2441	Ant1	0.827	0	Pass
NVNT	1-DH5	2480	Ant1	0.842	0	Pass
NVNT	2-DH5	2402	Ant1	1.277	0	Pass
NVNT	2-DH5	2441	Ant1	1.306	0	Pass
NVNT	2-DH5	2480	Ant1	1.287	0	Pass
NVNT	3-DH5	2402	Ant1	1.259	0	Pass
NVNT	3-DH5	2441	Ant1	1.277	0	Pass
NVNT	3-DH5	2480	Ant1	1.303	0	Pass





Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



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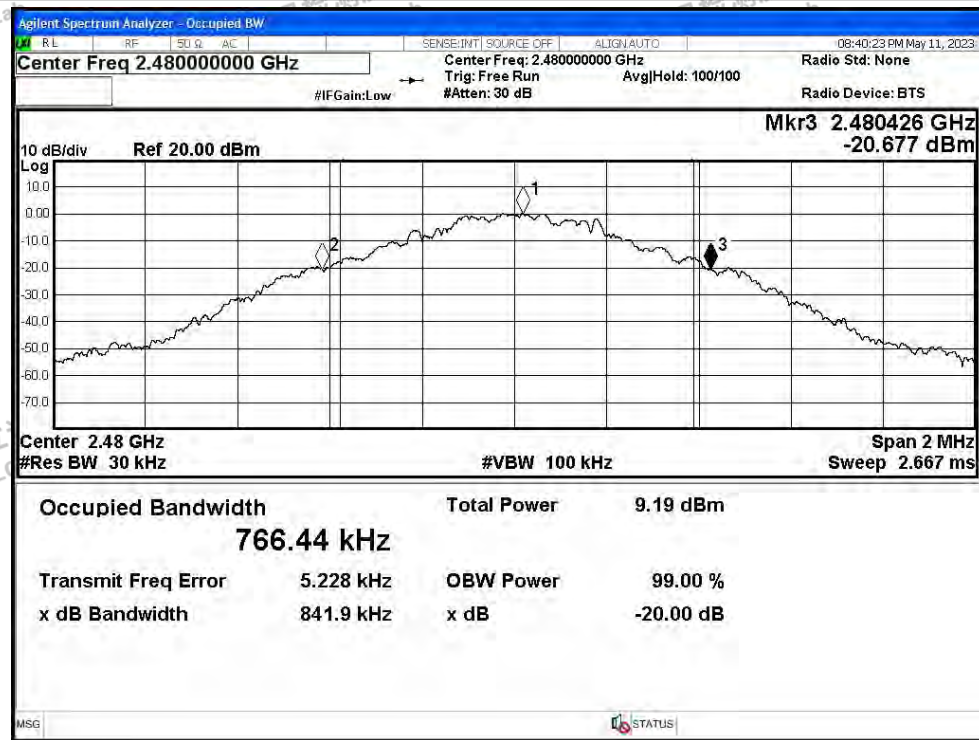
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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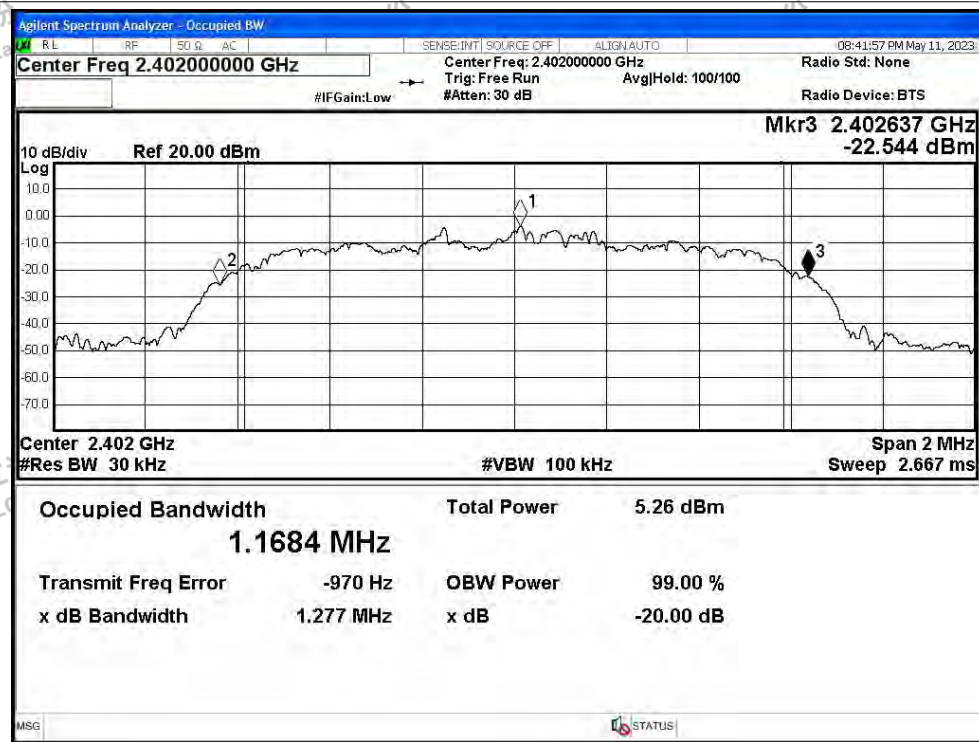
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-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



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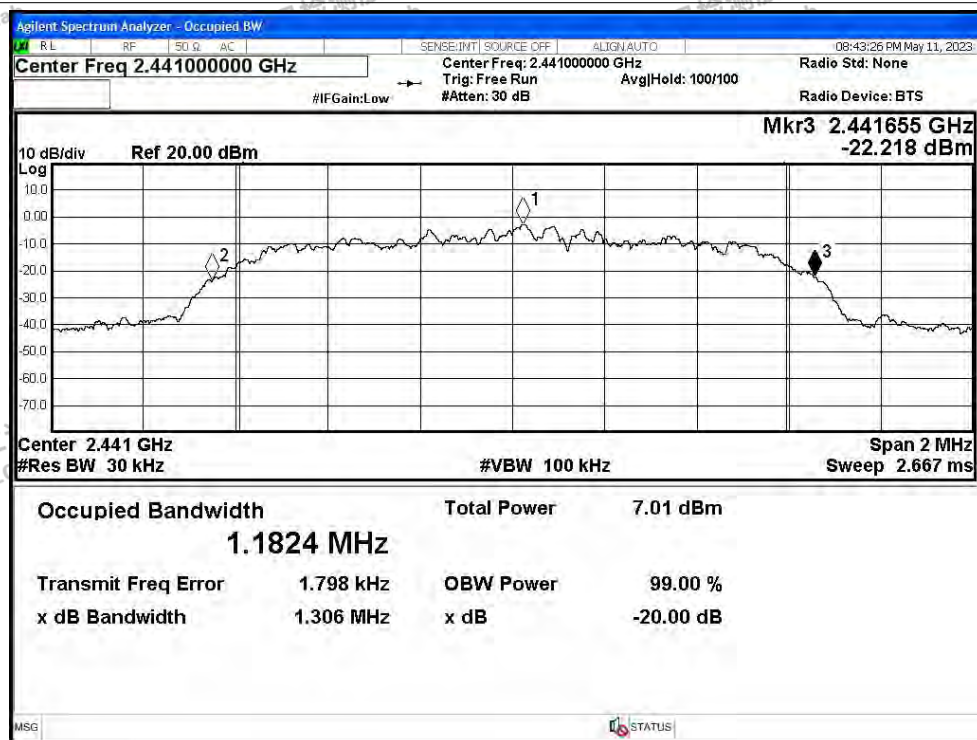
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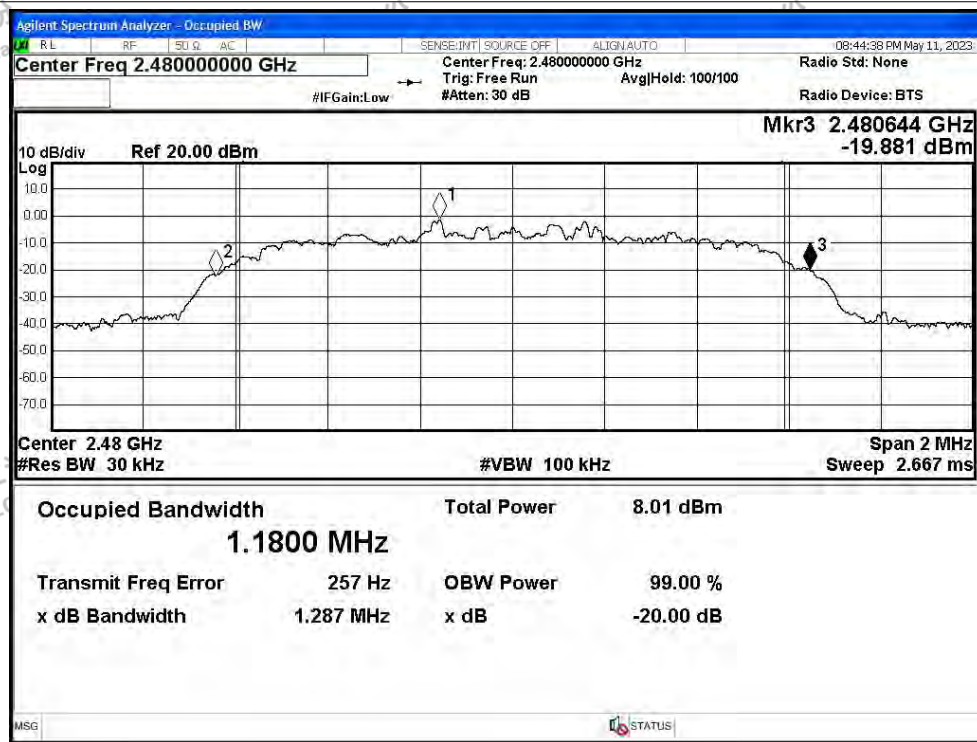
Scan code to check authenticity



-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



Shenzhen LCS Compliance Testing Laboratory Ltd.

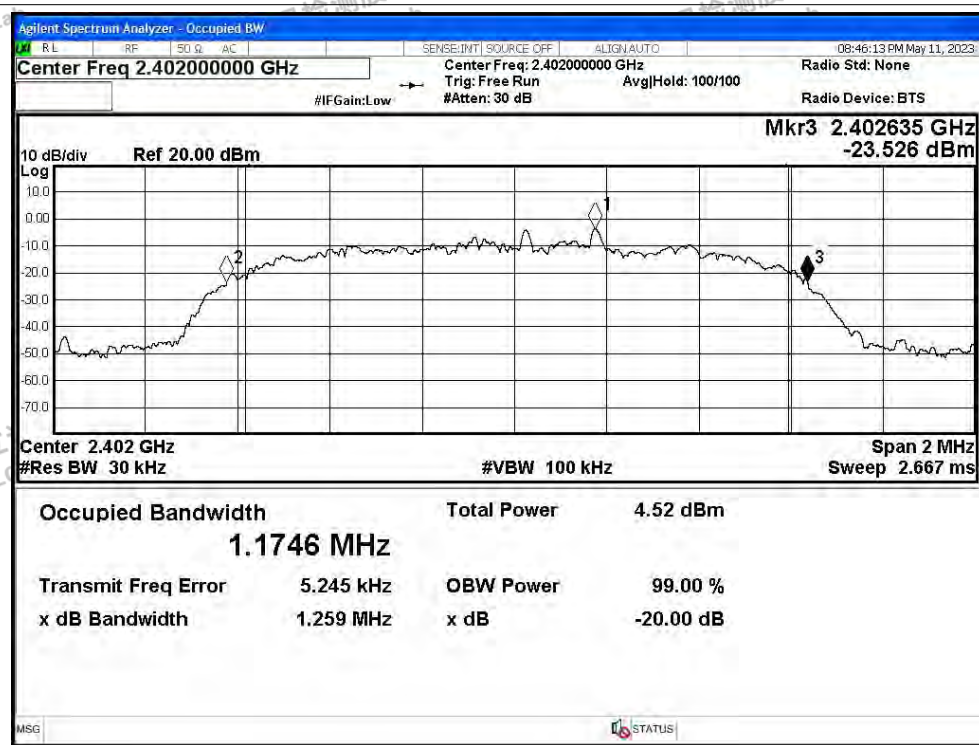
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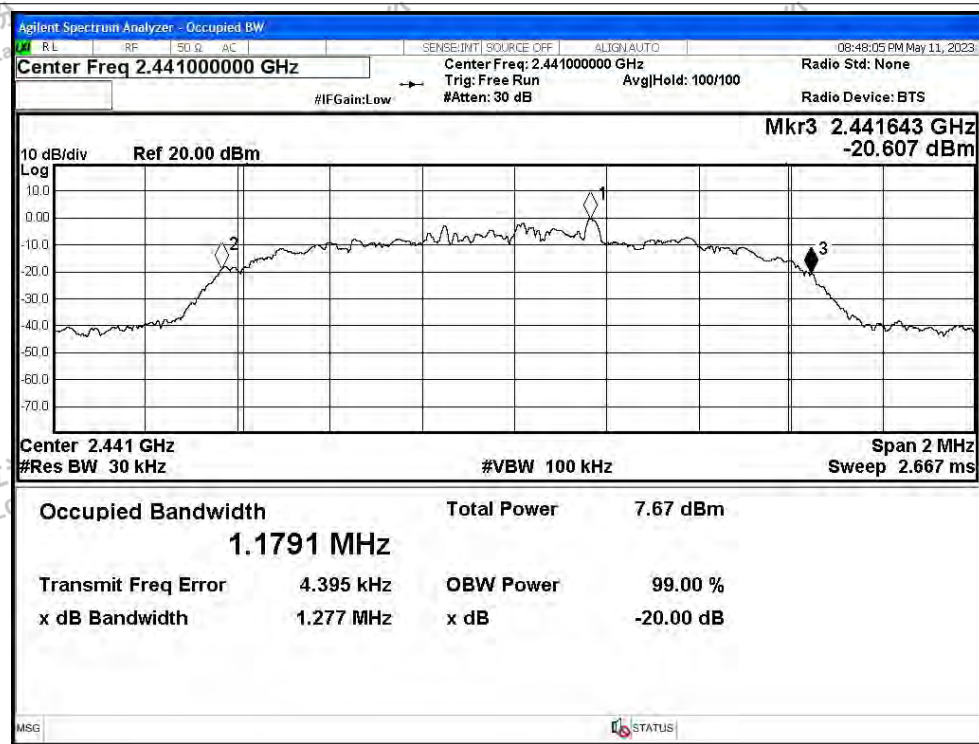
Scan code to check authenticity



-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1

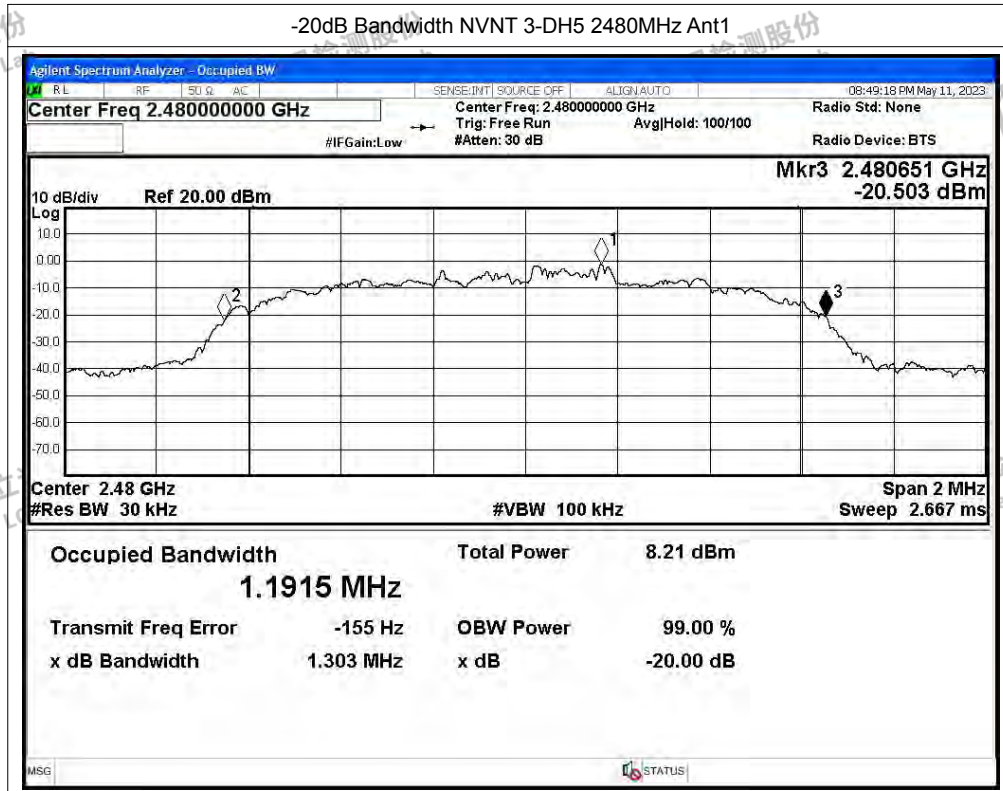


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A.2 Maximum Conducted Output Power

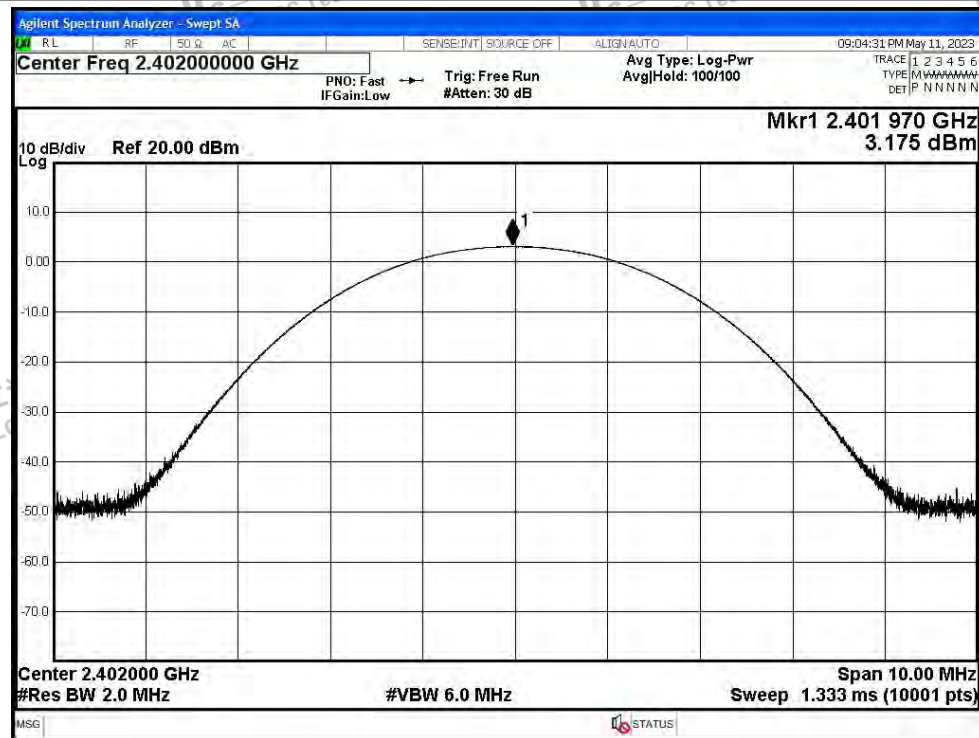
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	3.18	21	Pass
NVNT	1-DH5	2441	Ant1	2.33	21	Pass
NVNT	1-DH5	2480	Ant1	3.22	21	Pass
NVNT	2-DH5	2402	Ant1	2.54	21	Pass
NVNT	2-DH5	2441	Ant1	2.46	21	Pass
NVNT	2-DH5	2480	Ant1	3.32	21	Pass
NVNT	3-DH5	2402	Ant1	2.5	21	Pass
NVNT	3-DH5	2441	Ant1	2.42	21	Pass
NVNT	3-DH5	2480	Ant1	3.31	21	Pass



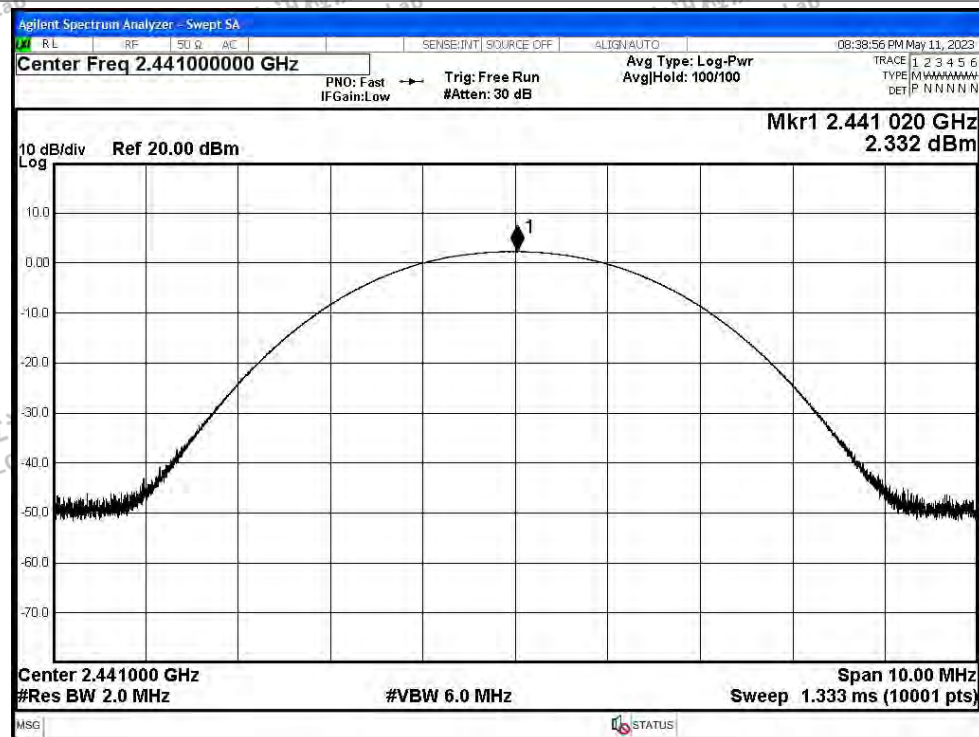


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

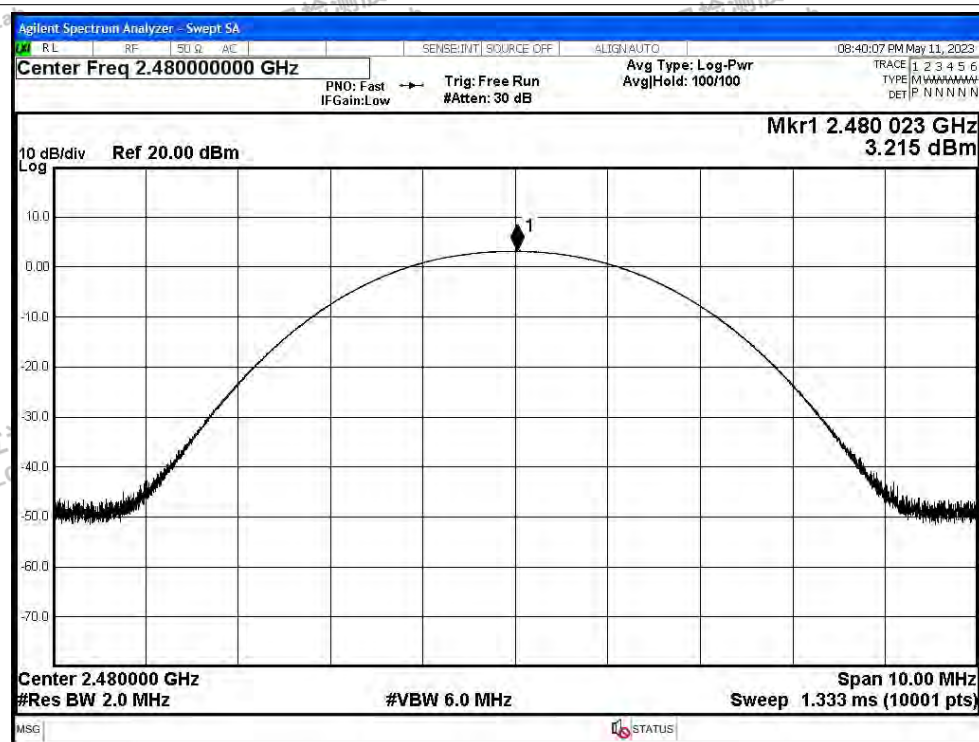


Power NVNT 1-DH5 2441MHz Ant1

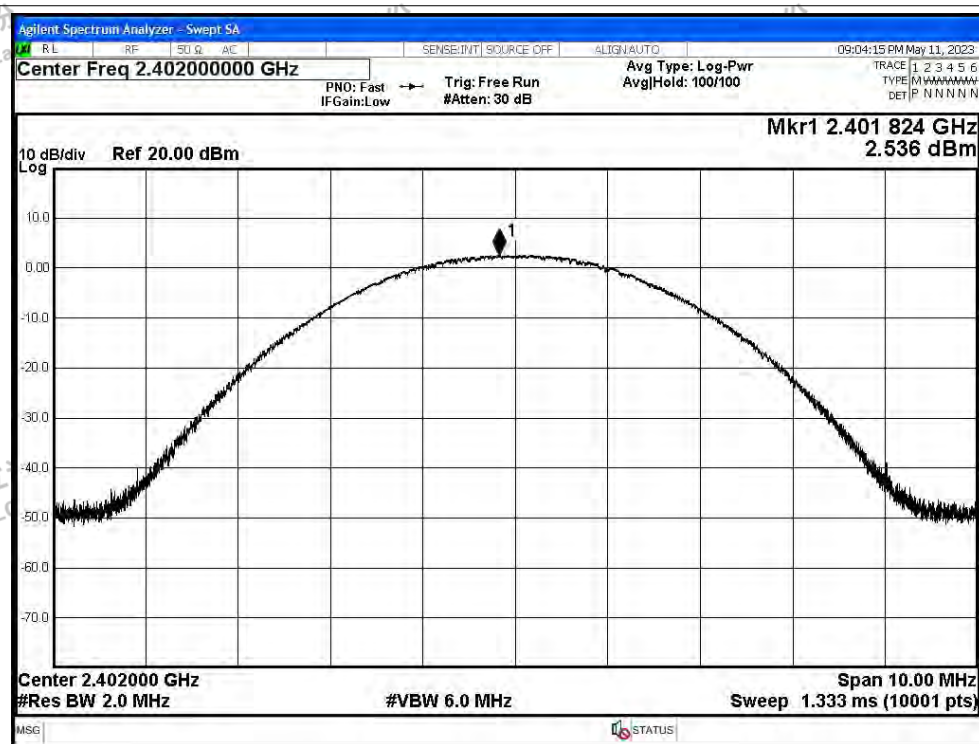




Power NVNT 1-DH5 2480MHz Ant1

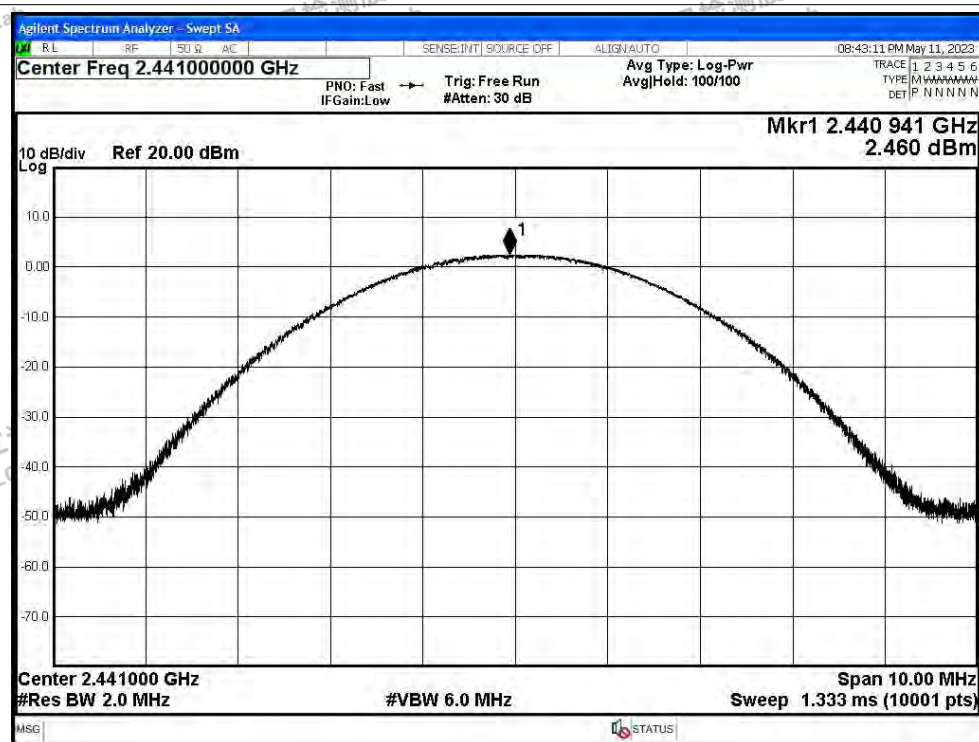


Power NVNT 2-DH5 2402MHz Ant1

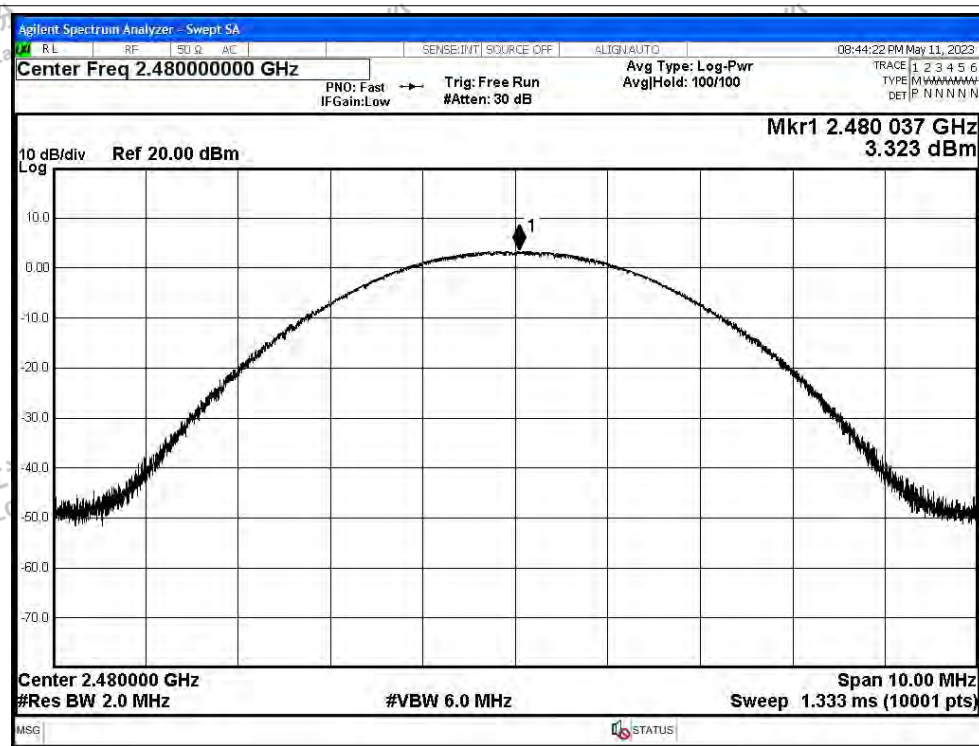




Power NVNT 2-DH5 2441MHz Ant1

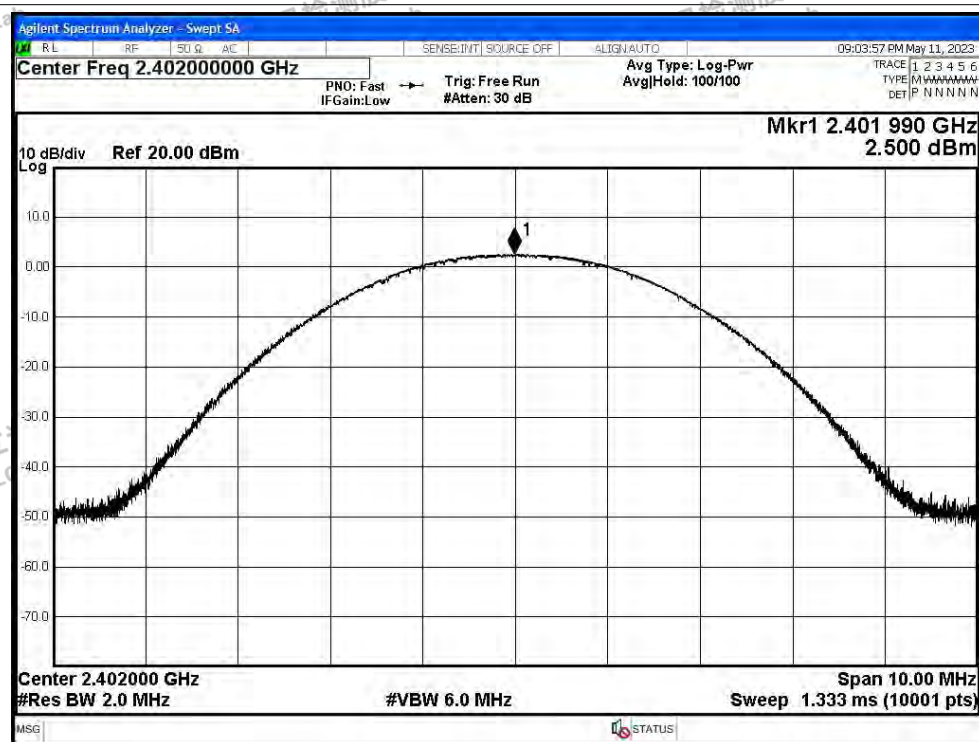


Power NVNT 2-DH5 2480MHz Ant1

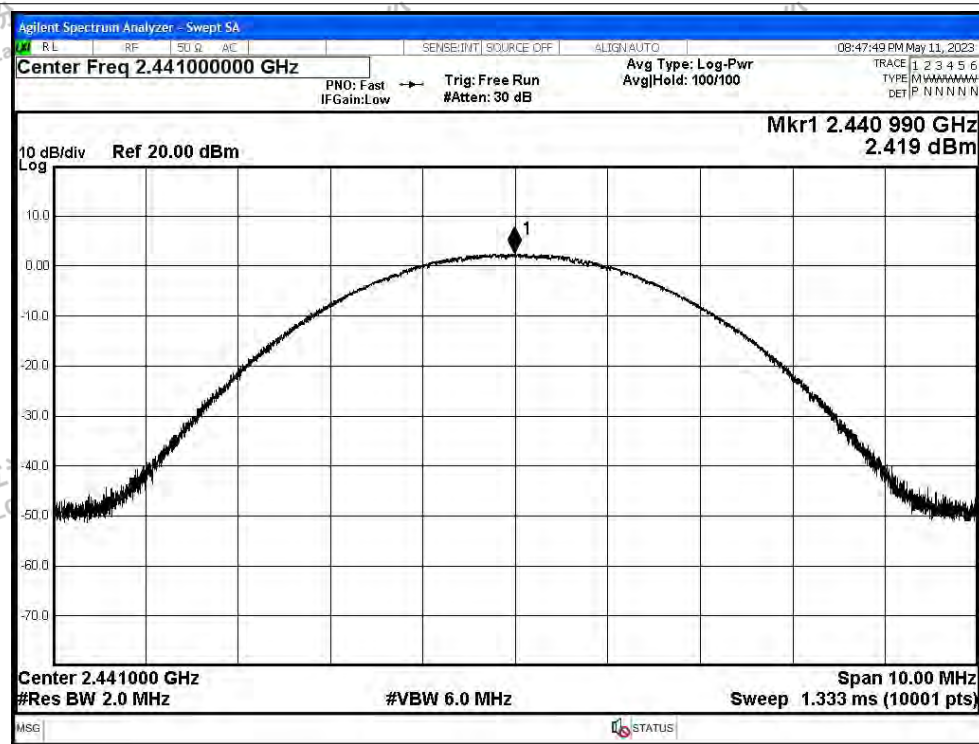


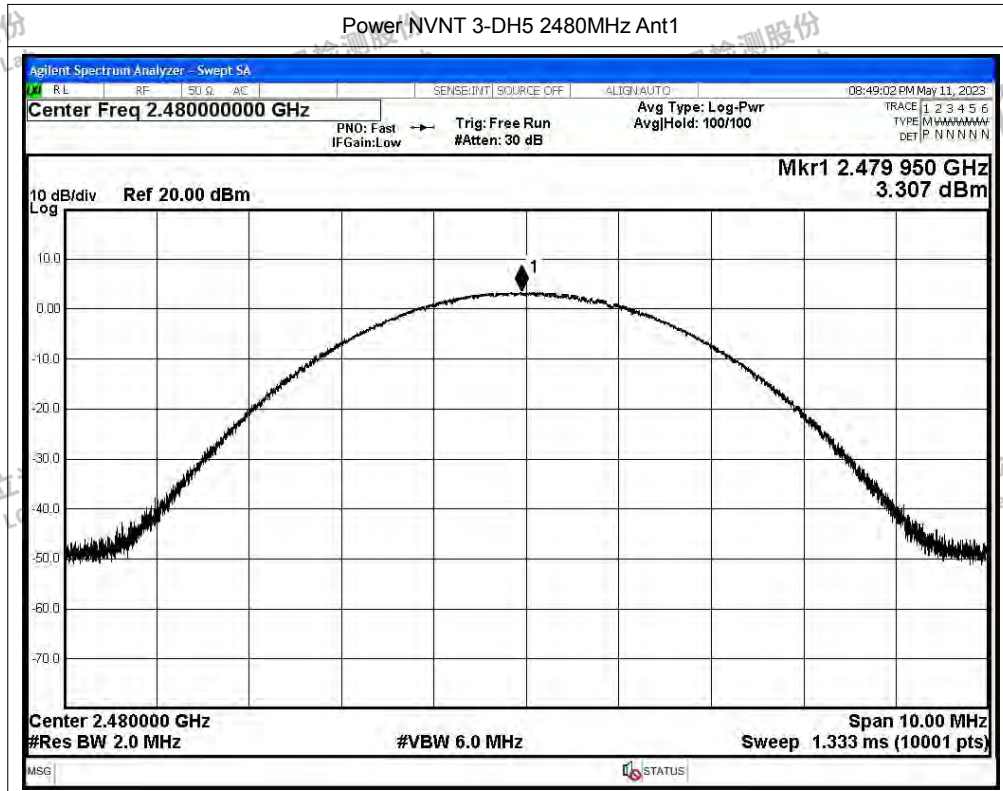


Power NVNT 3-DH5 2402MHz Ant1



Power NVNT 3-DH5 2441MHz Ant1







A.3 Carrier Frequencies Separation

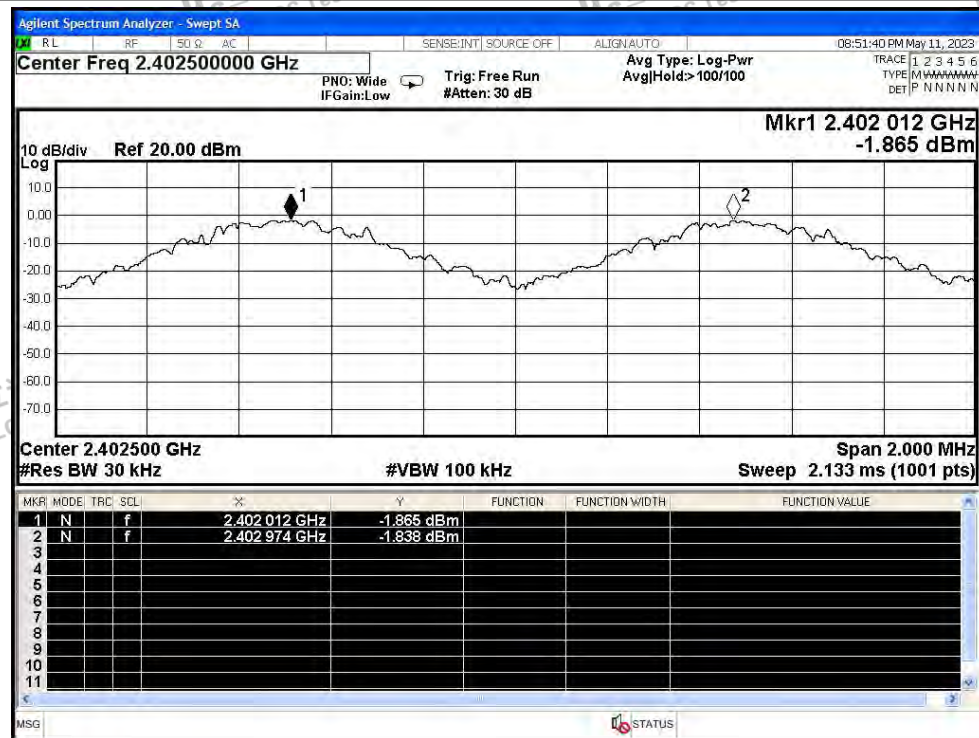
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.012	2402.974	0.962	0.56	Pass
NVNT	2-DH5	Ant1	2401.858	2403.006	1.148	0.871	Pass
NVNT	3-DH5	Ant1	2402.04	2403.166	1.126	0.869	Pass



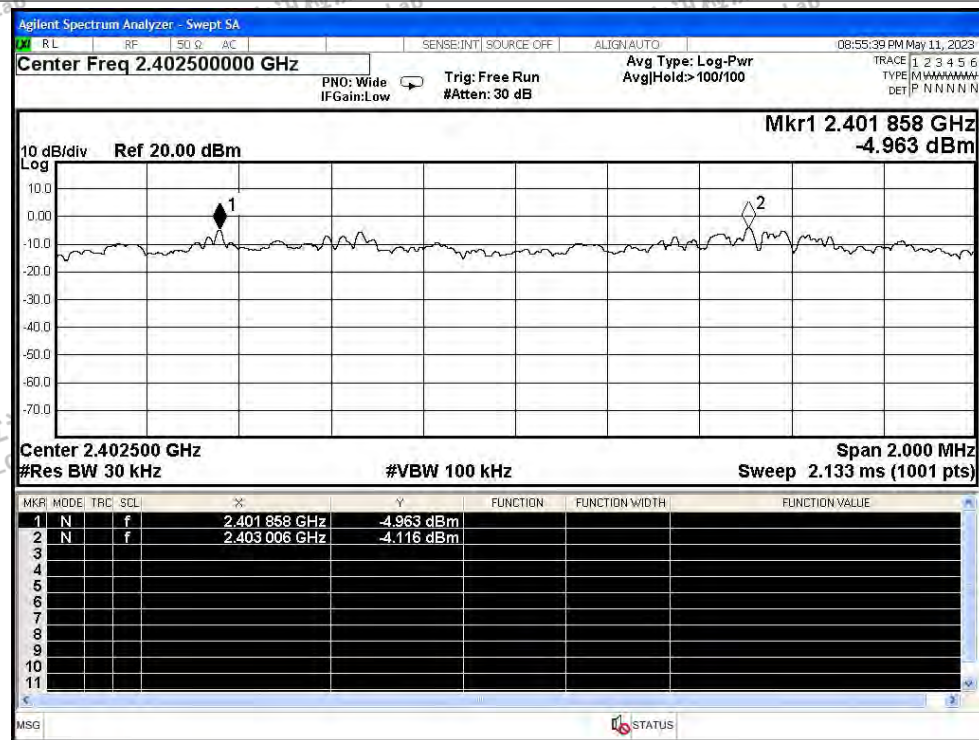


Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1

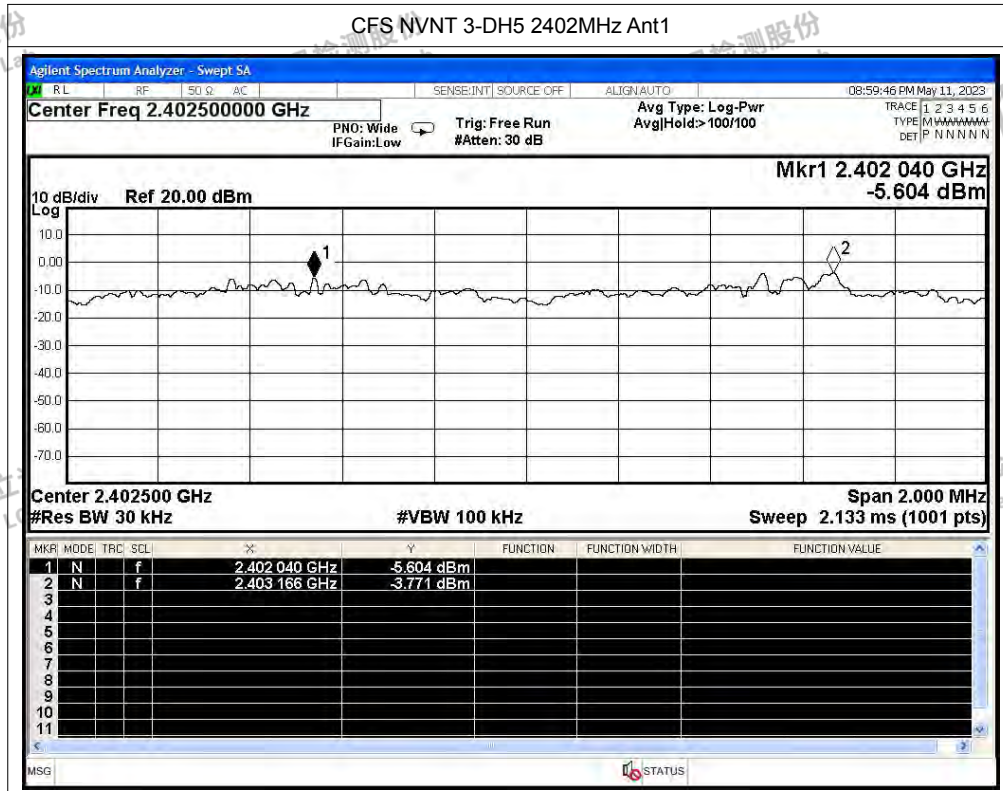


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A.4 Dwell Time

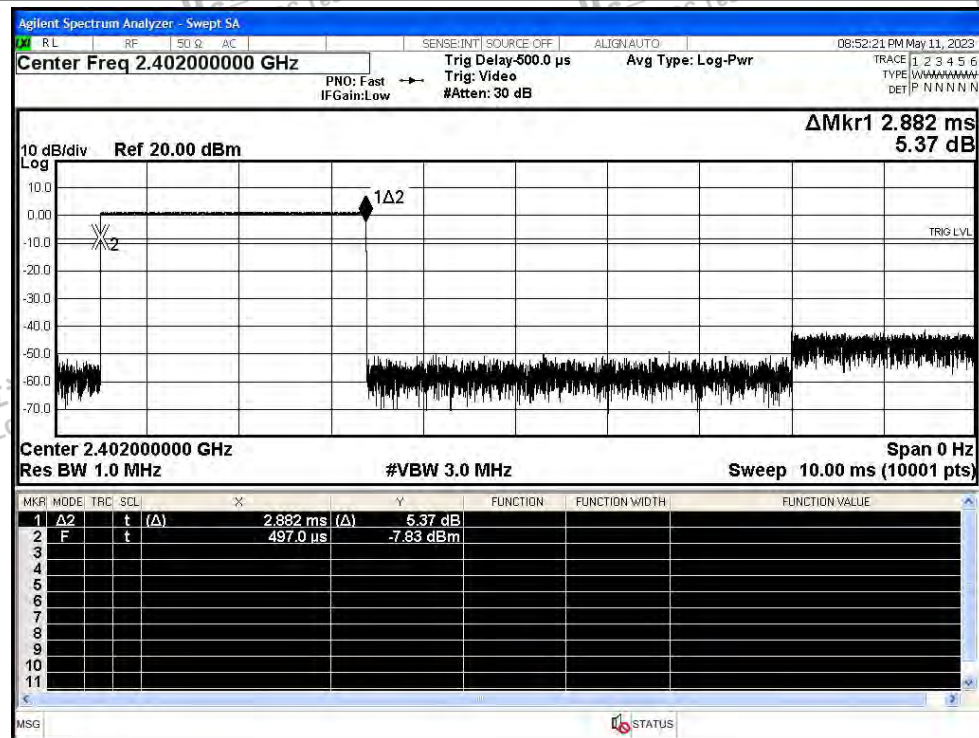
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.882	273.79	95	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.88	288	100	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.887	303.135	105	31600	400	Pass



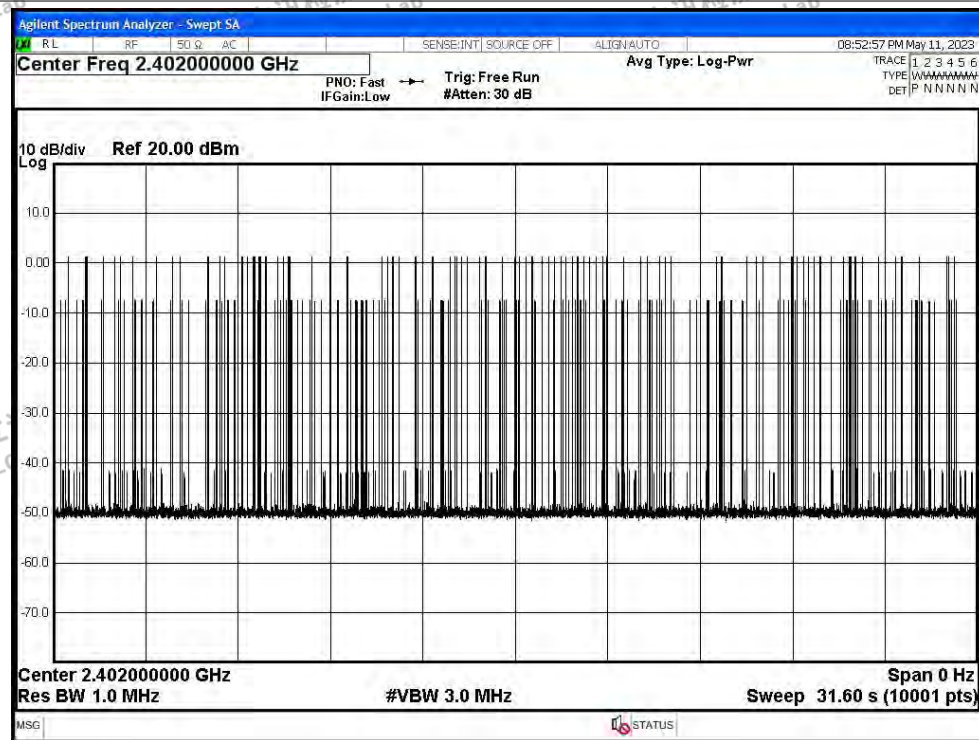


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



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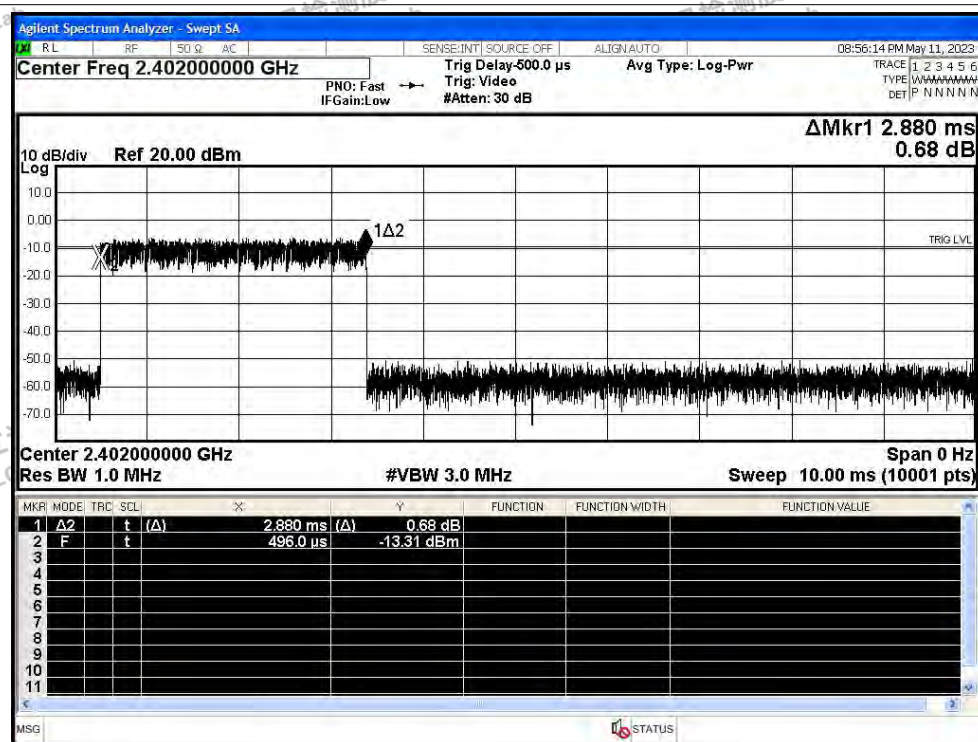
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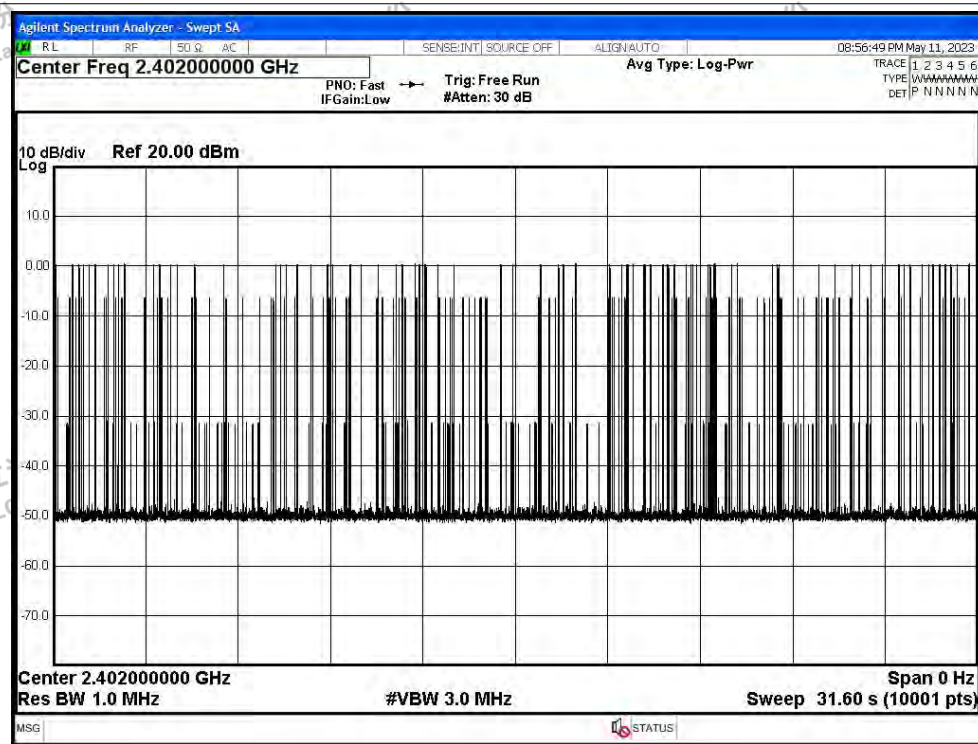
Scan code to check authenticity



Dwell NVNT 2-DH5 2402MHz Ant1 One Burst

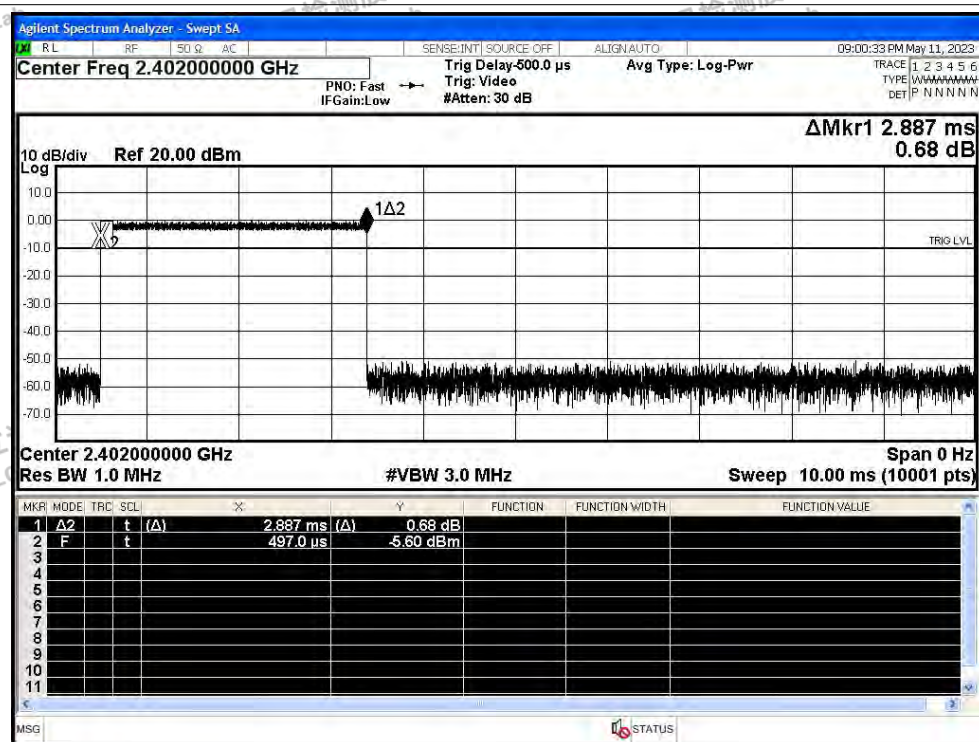


Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated

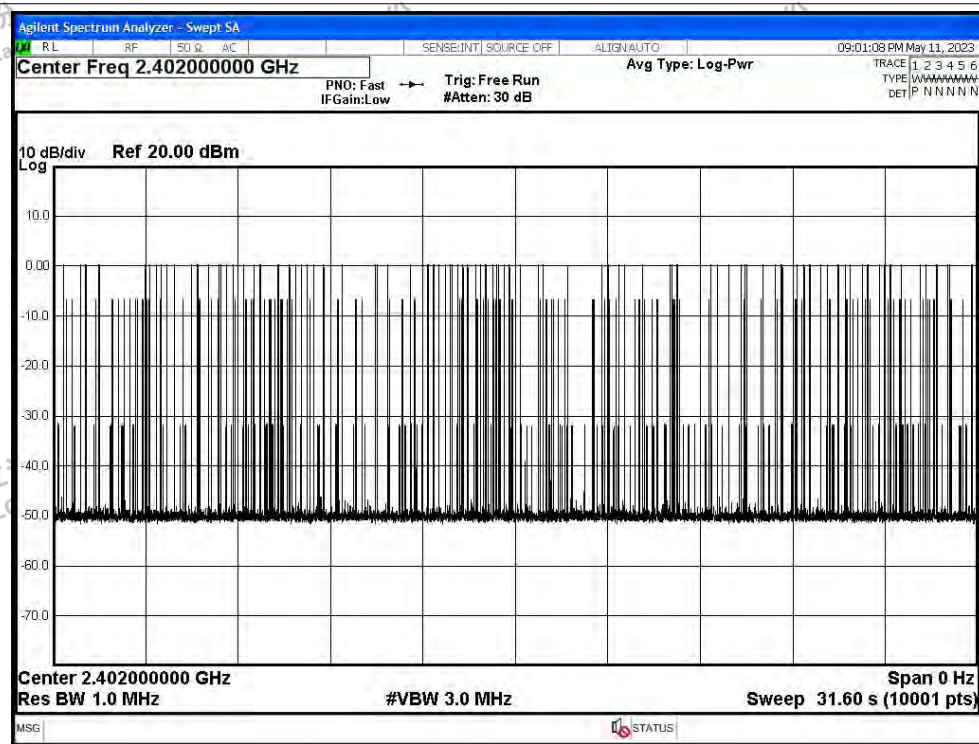




Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated





A.5 Number of Hopping Channel

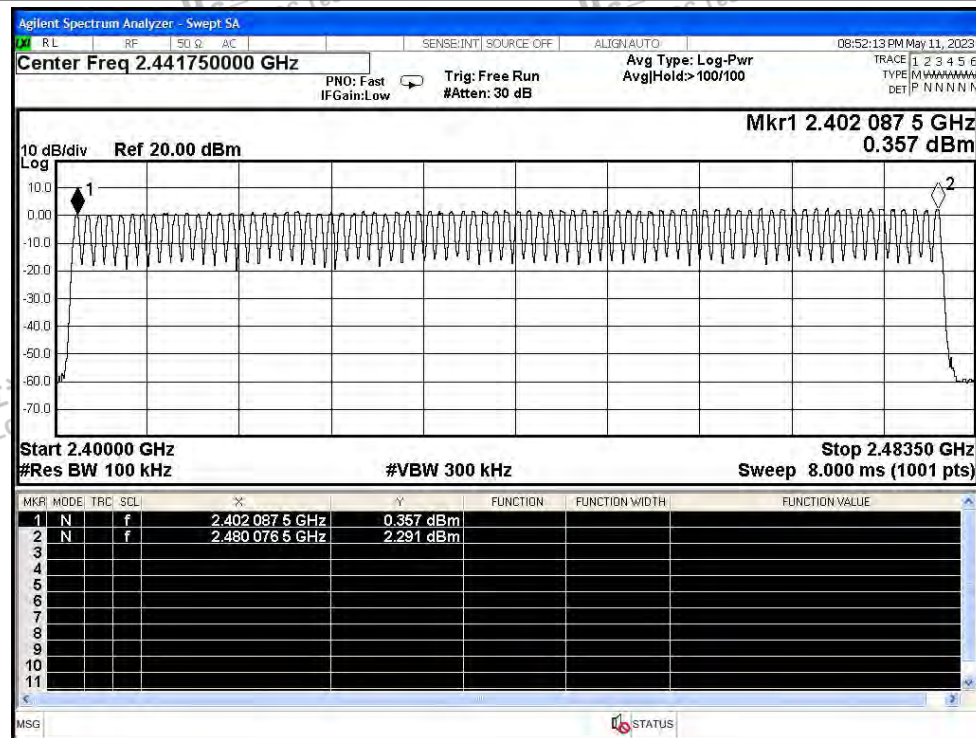
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass



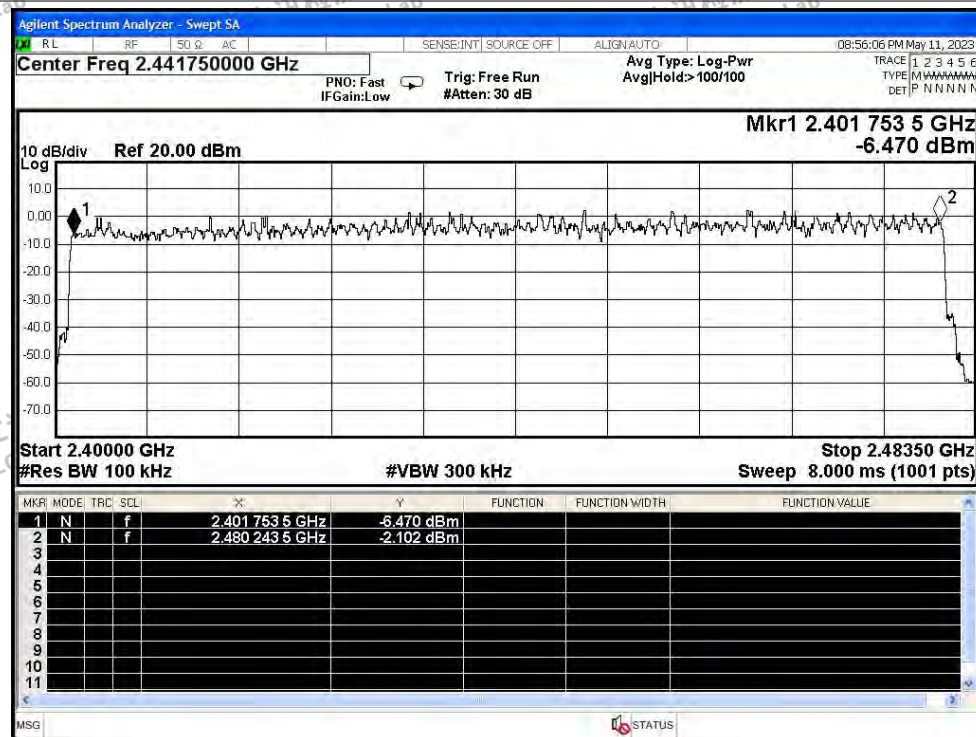


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1

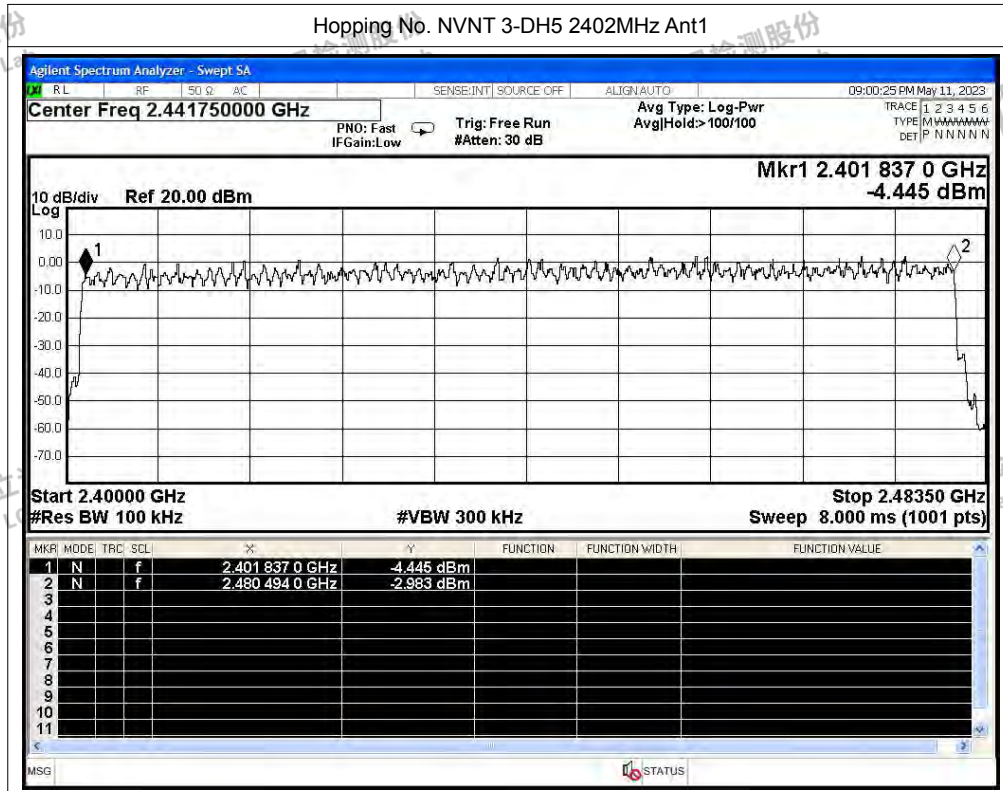


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A.6 Band Edge

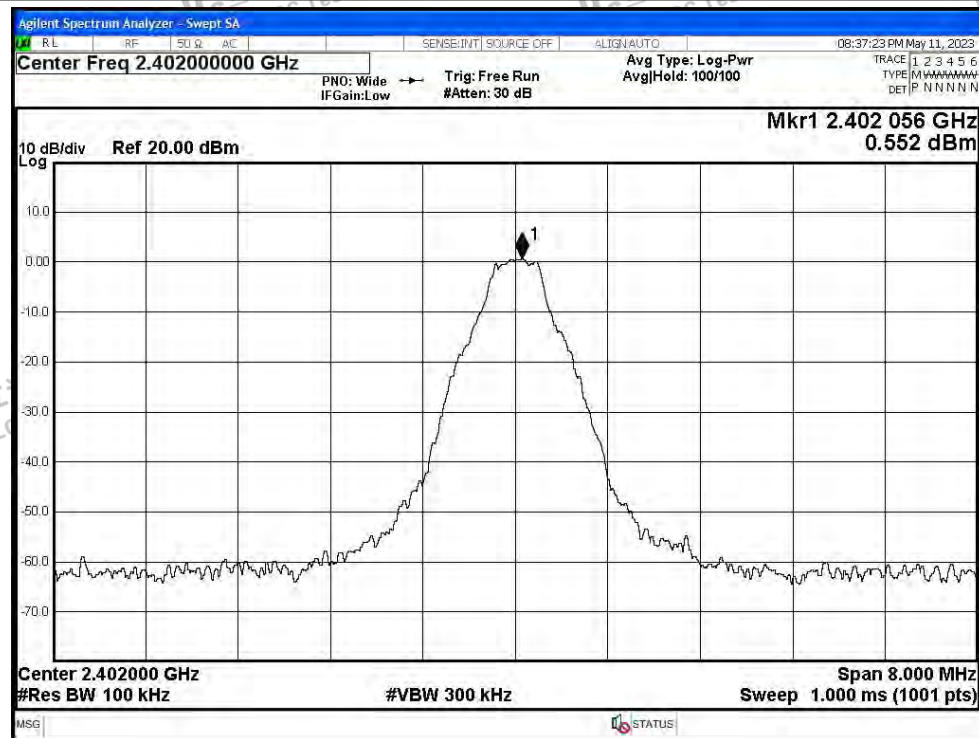
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-59.05	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-60.27	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-51.07	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-60.67	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-55.69	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-61.06	-20	Pass



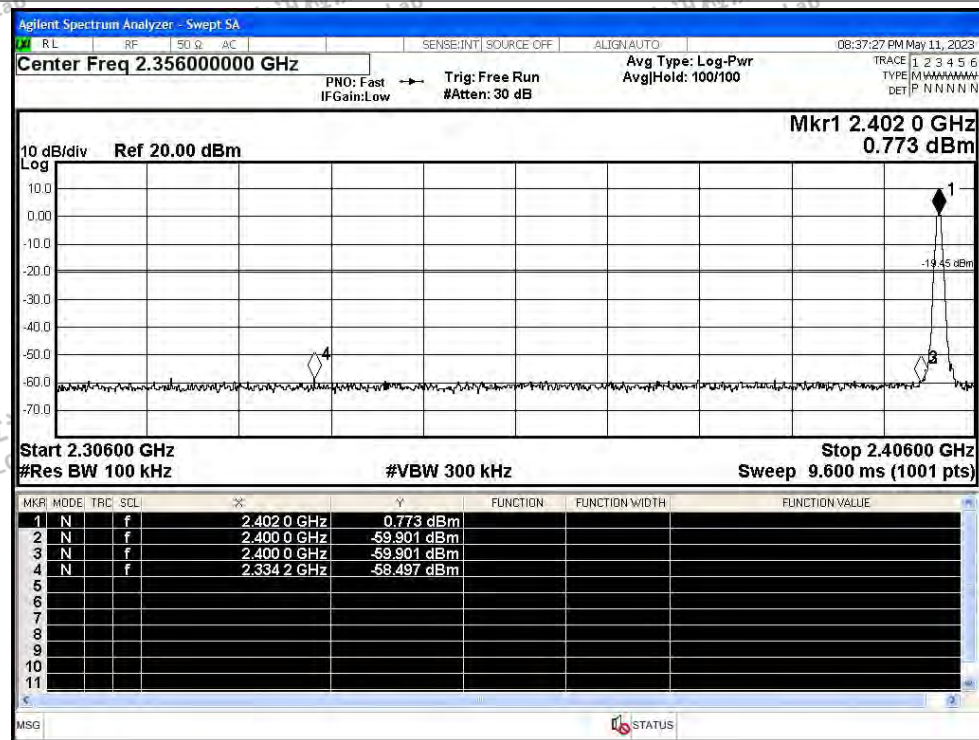


Test Graphs

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

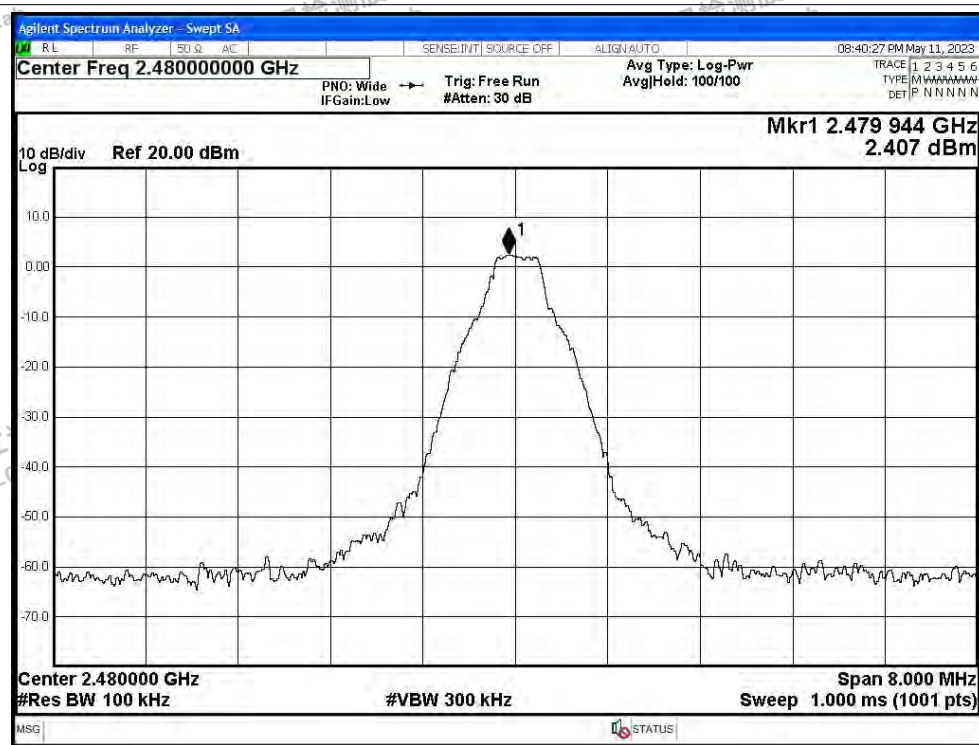


Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

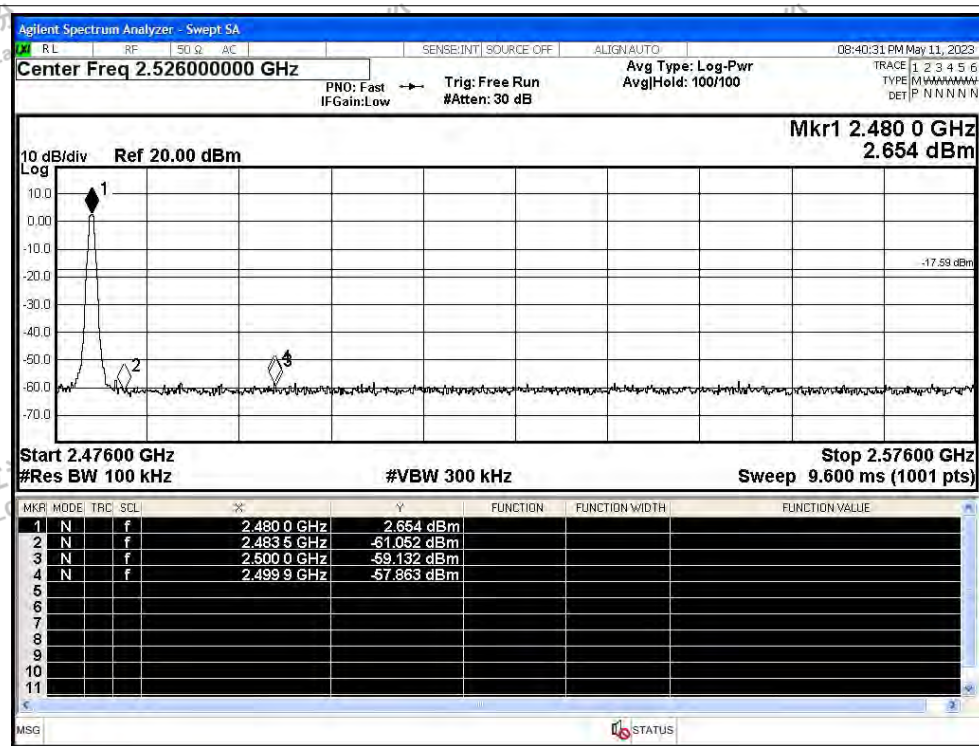




Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

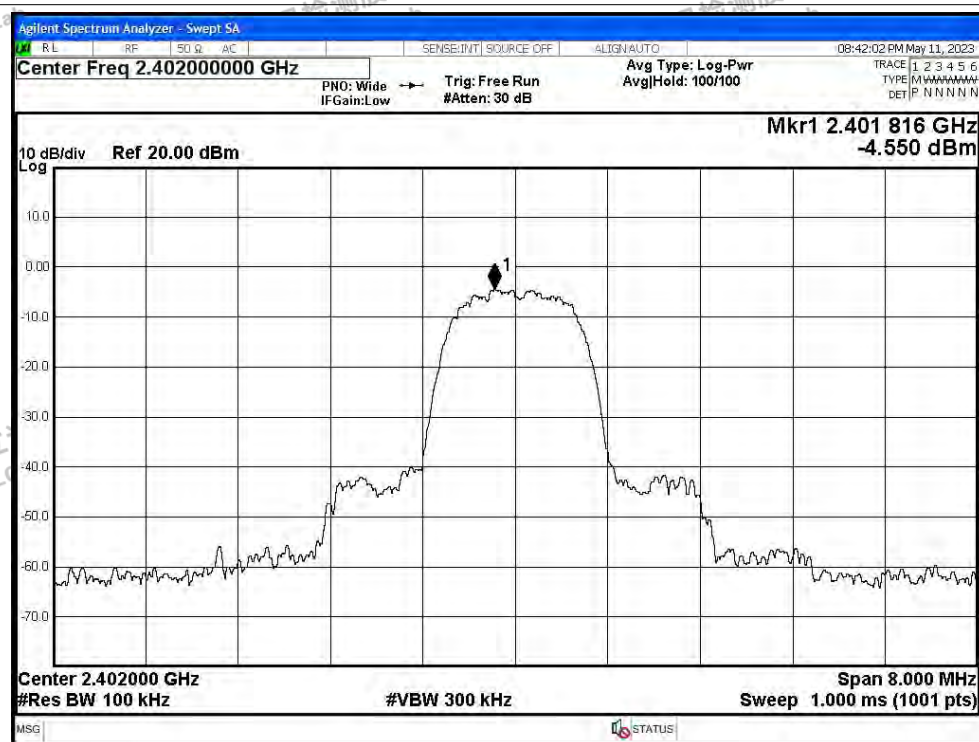


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

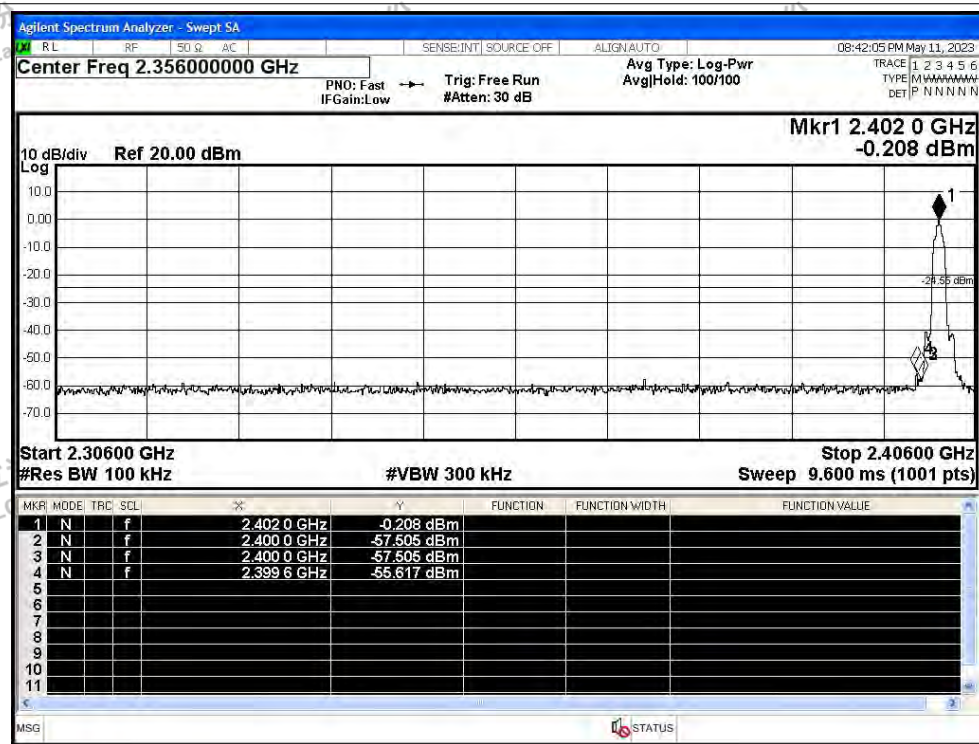




Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

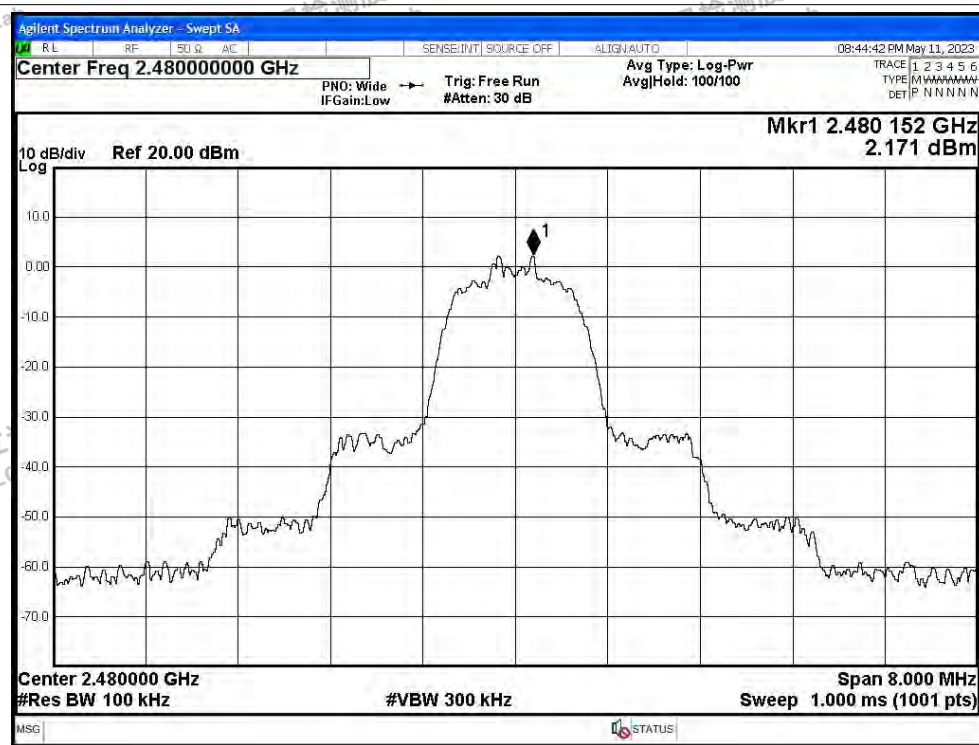


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

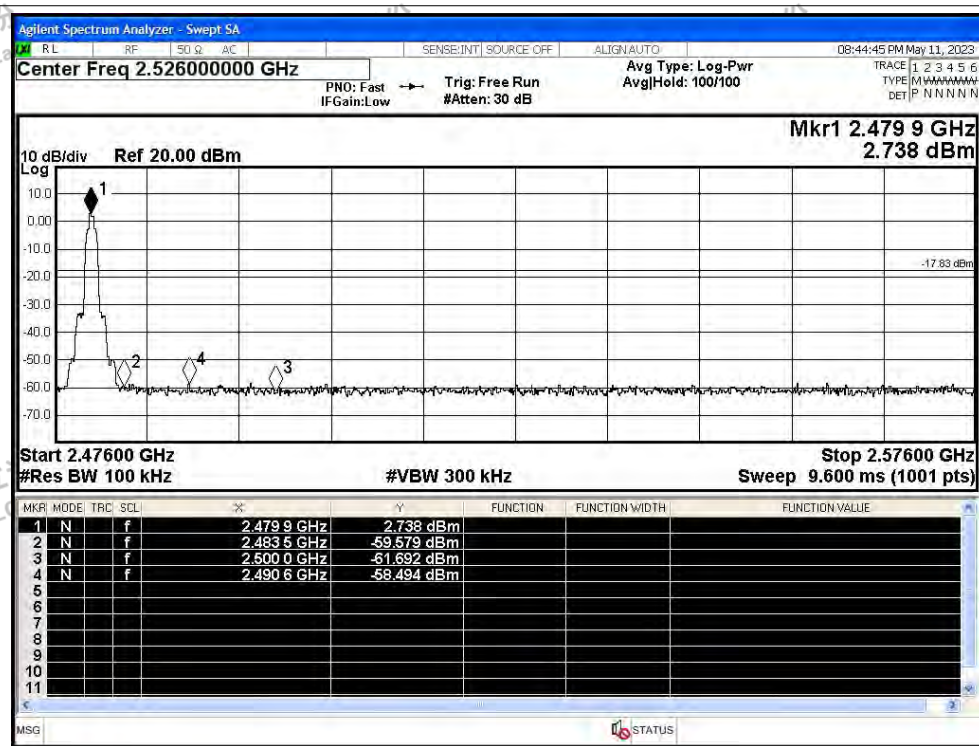




Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref

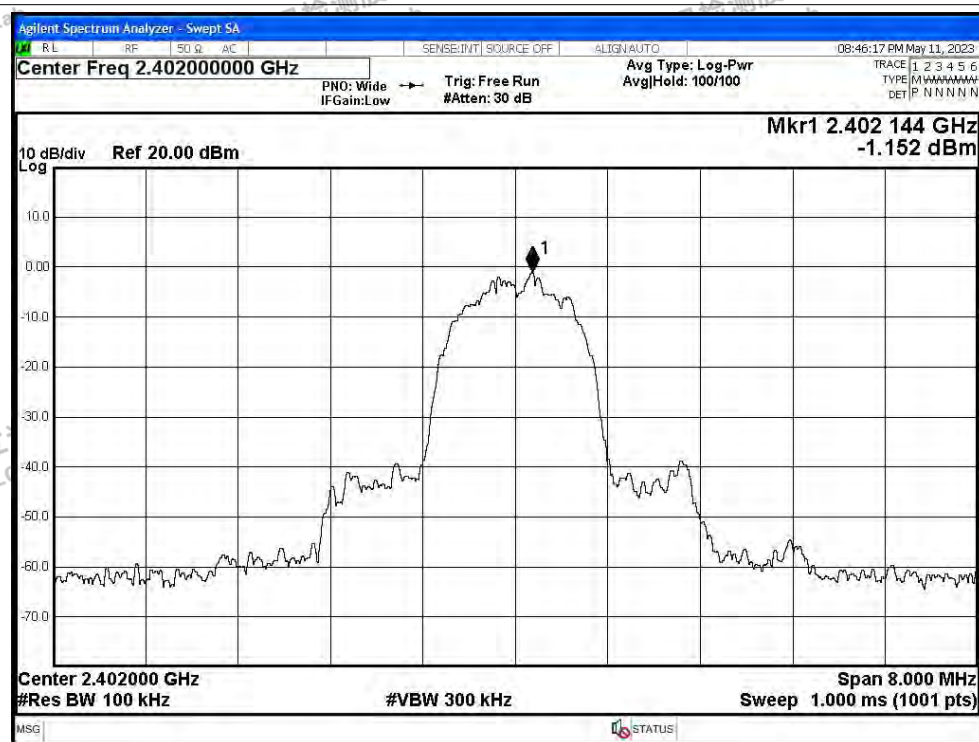


Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission

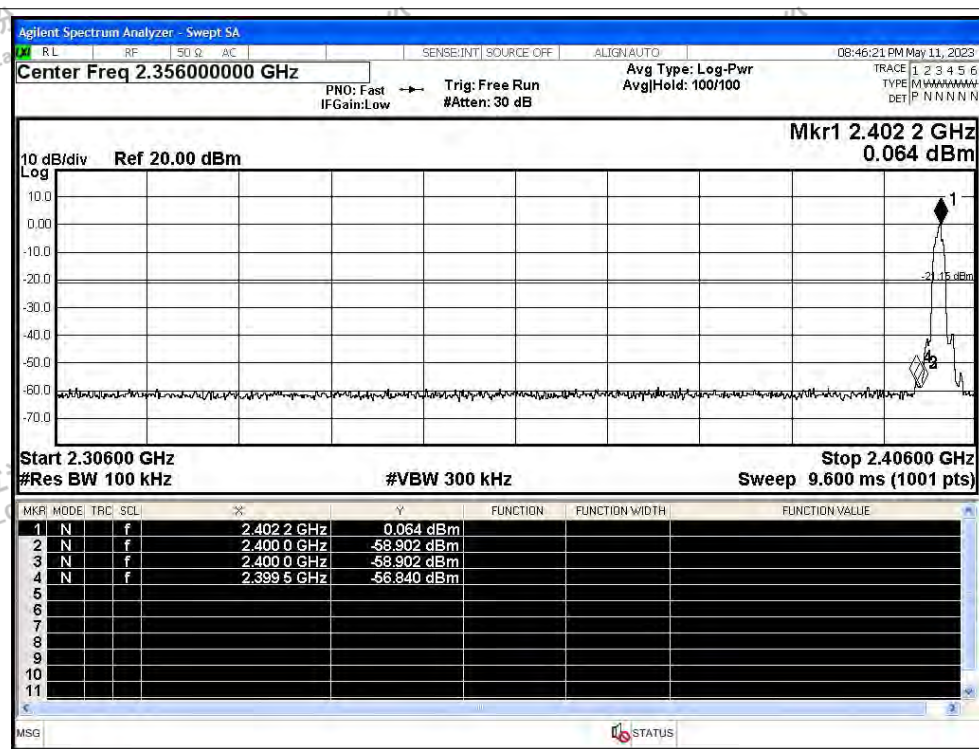




Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



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

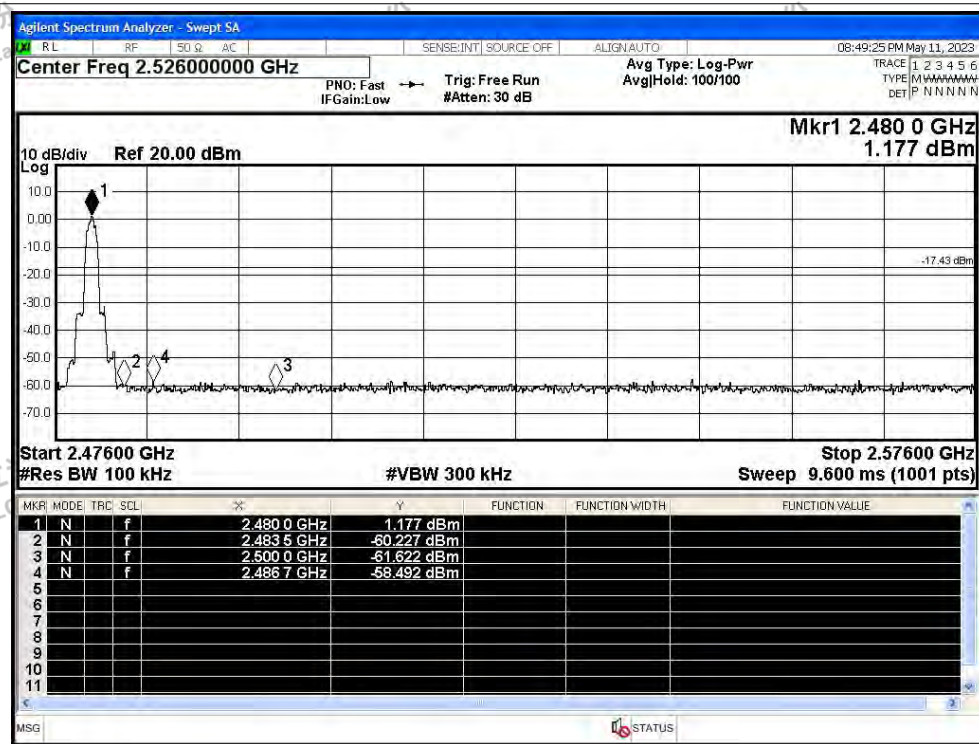




Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



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





(Hopping)

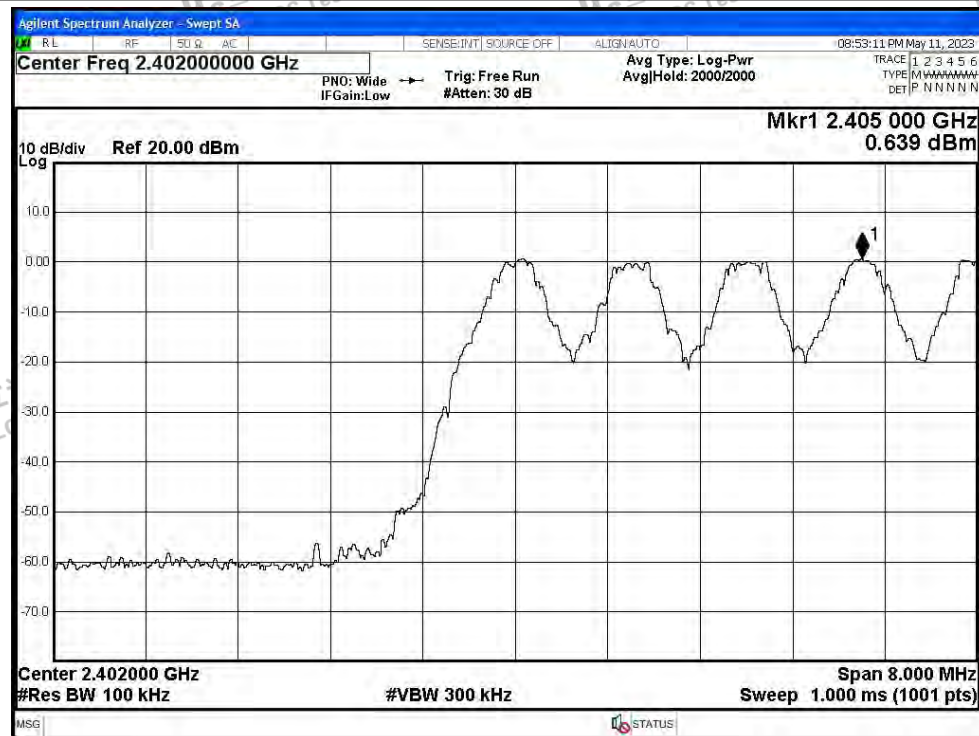
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-58.45	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-60.53	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-56.95	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-59.67	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-56.53	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-59.46	-20	Pass



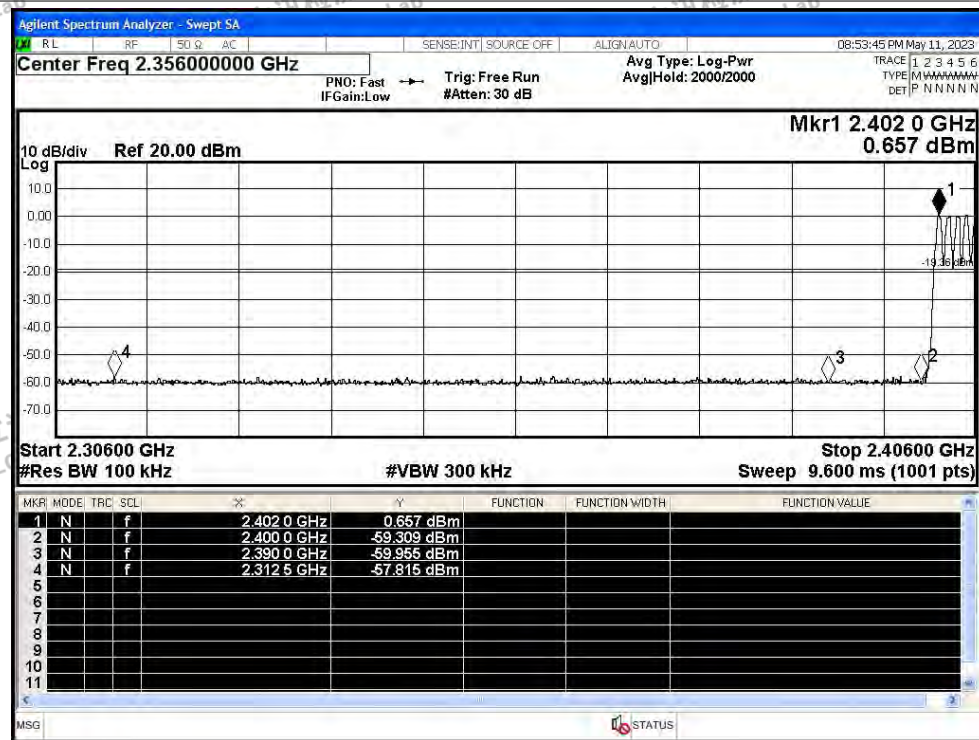


Test Graphs

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



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



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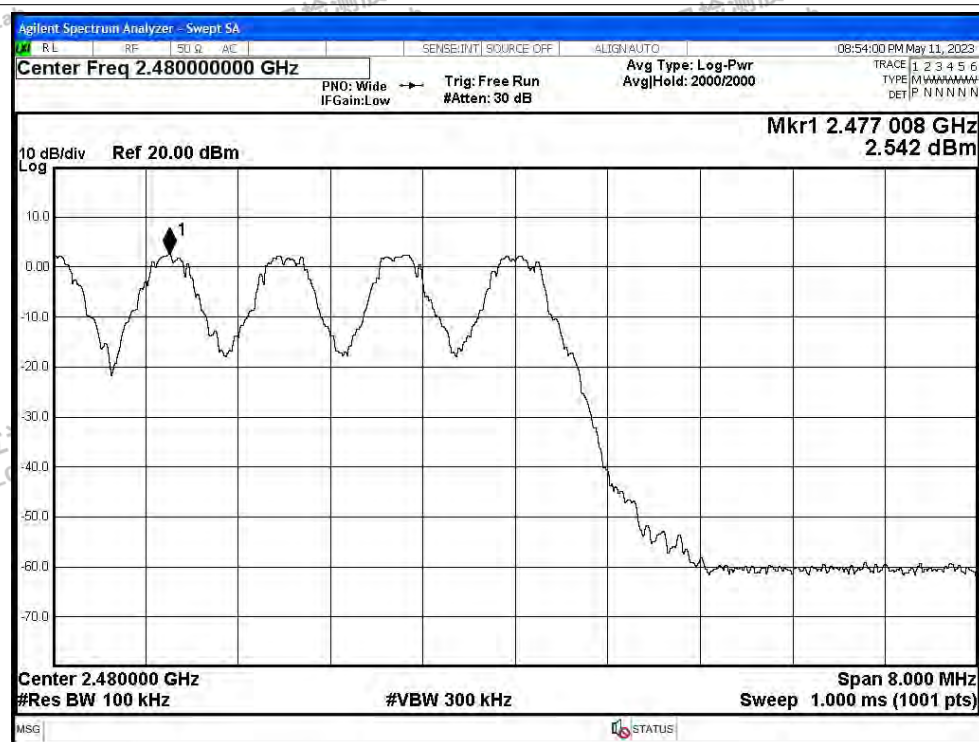
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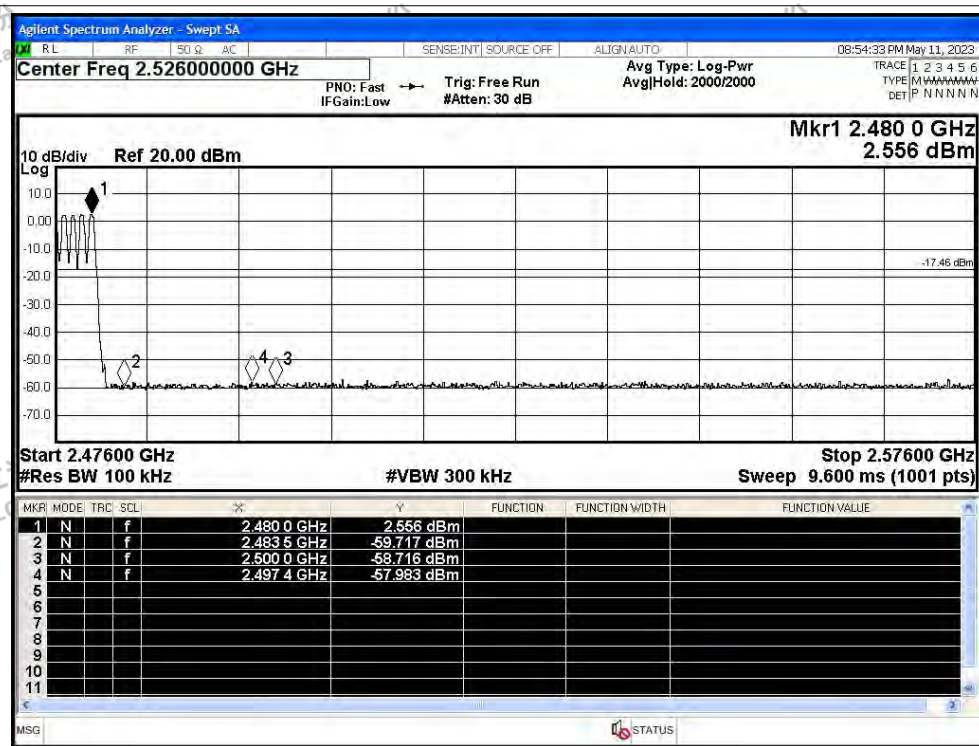
Scan code to check authenticity



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

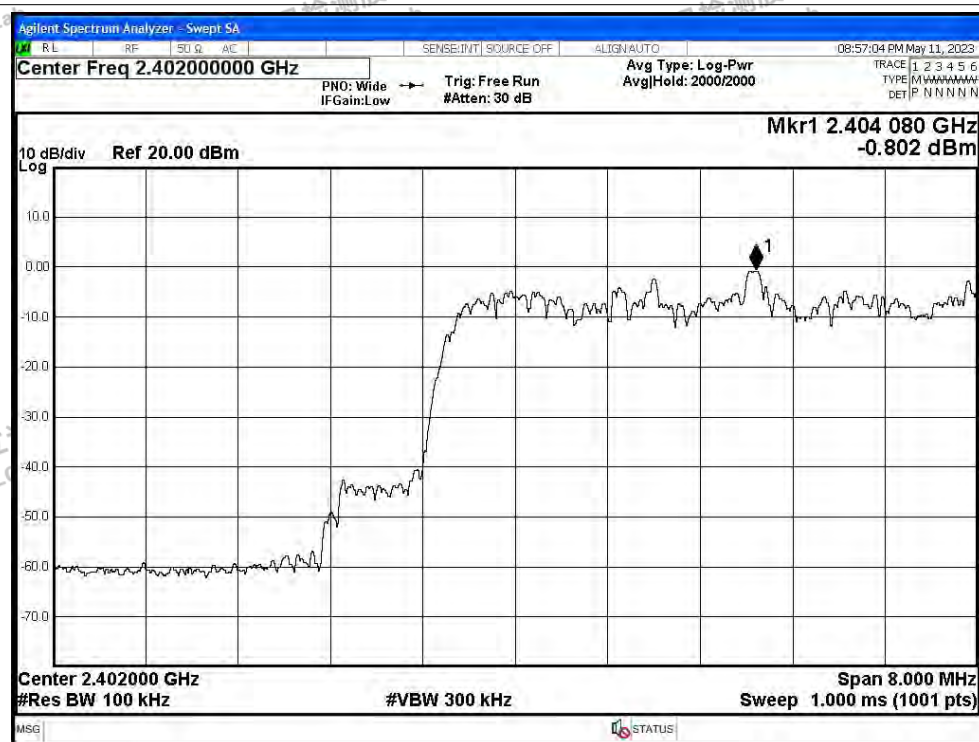


Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission

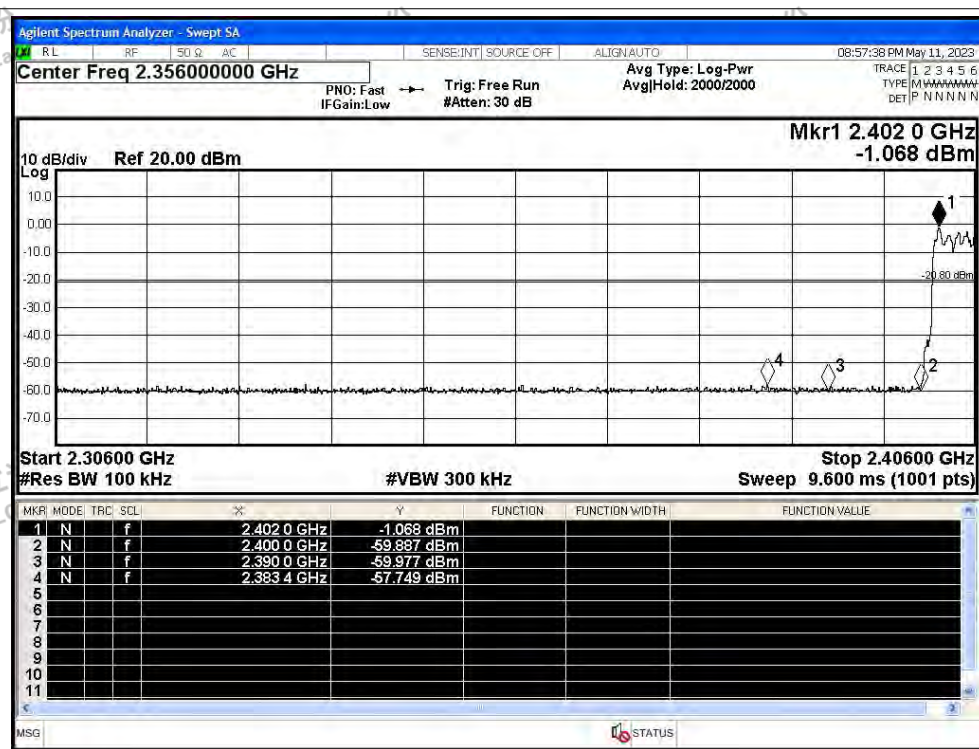




Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



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

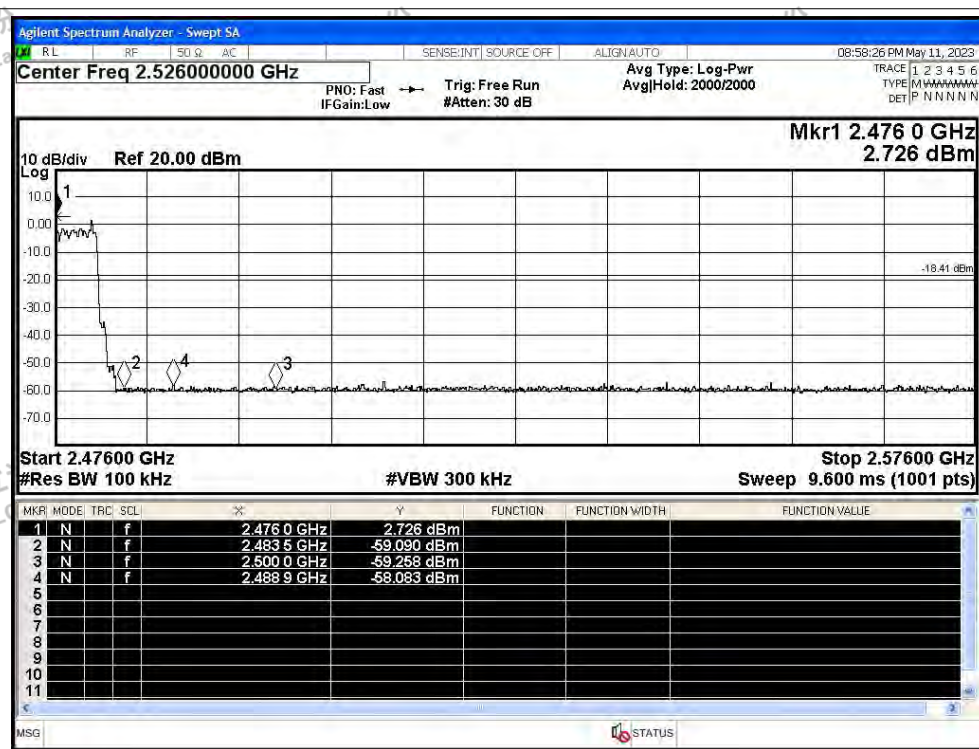




Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



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

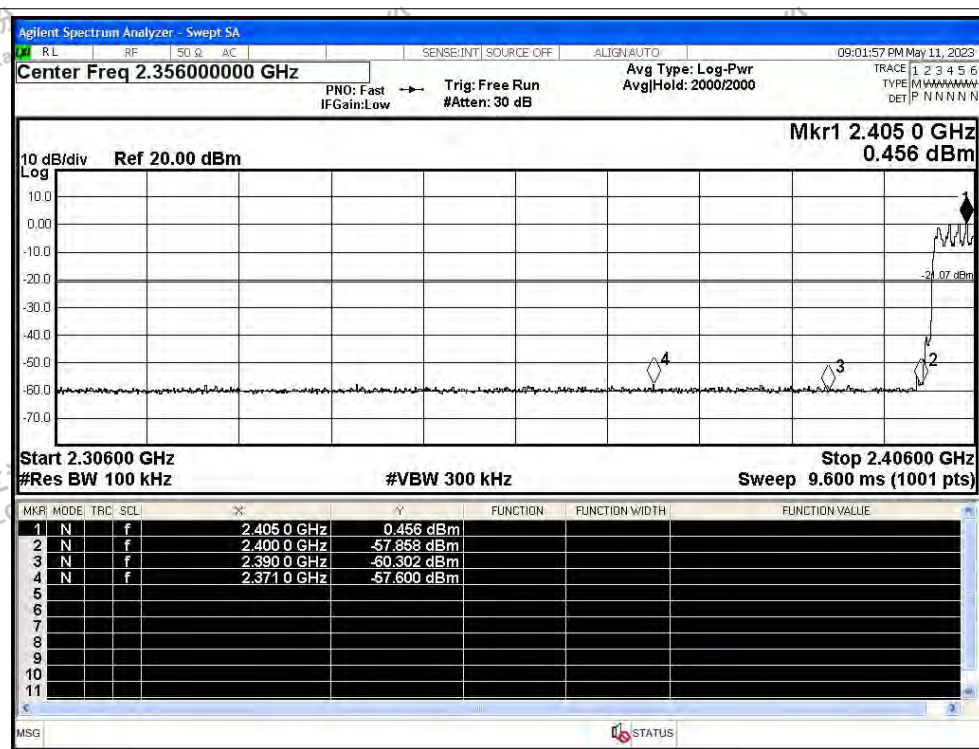




Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



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

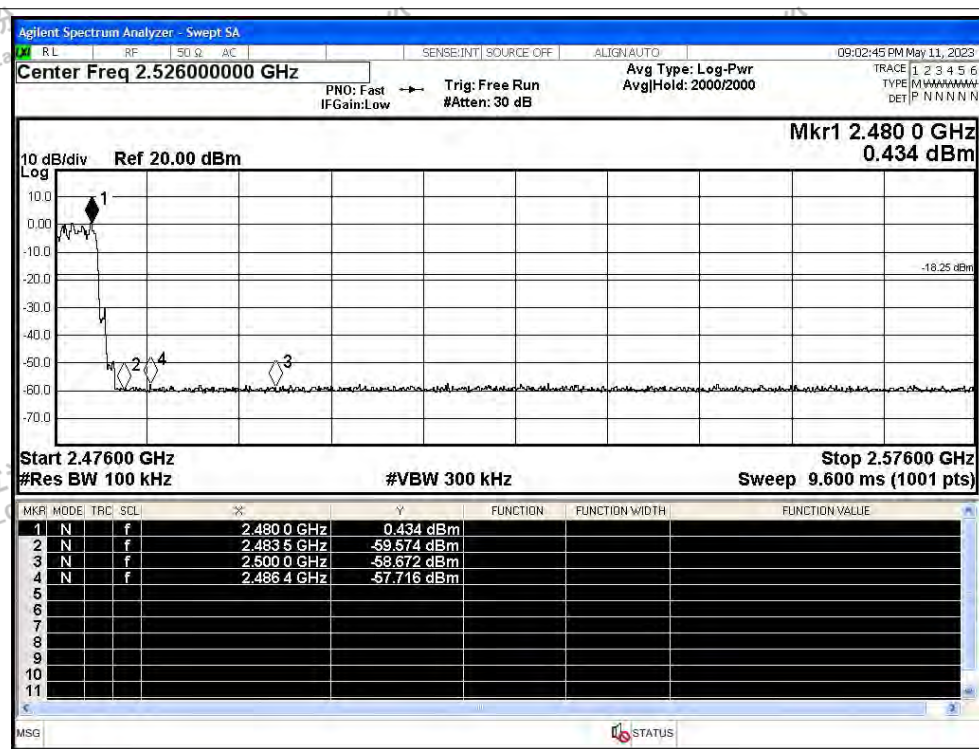




Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



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





A.7 Conducted RF Spurious Emission

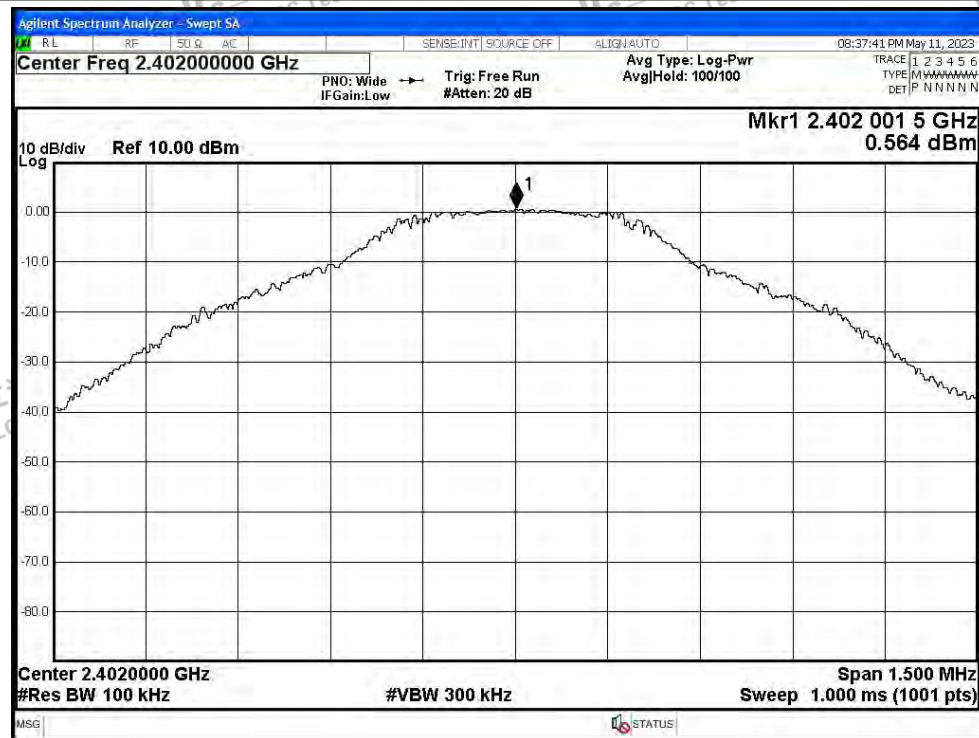
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-57.47	-20	Pass
NVNT	1-DH5	2441	Ant1	-59.36	-20	Pass
NVNT	1-DH5	2480	Ant1	-59.53	-20	Pass
NVNT	2-DH5	2402	Ant1	-52.18	-20	Pass
NVNT	2-DH5	2441	Ant1	-57.3	-20	Pass
NVNT	2-DH5	2480	Ant1	-59.51	-20	Pass
NVNT	3-DH5	2402	Ant1	-56.93	-20	Pass
NVNT	3-DH5	2441	Ant1	-59.45	-20	Pass
NVNT	3-DH5	2480	Ant1	-55.51	-20	Pass



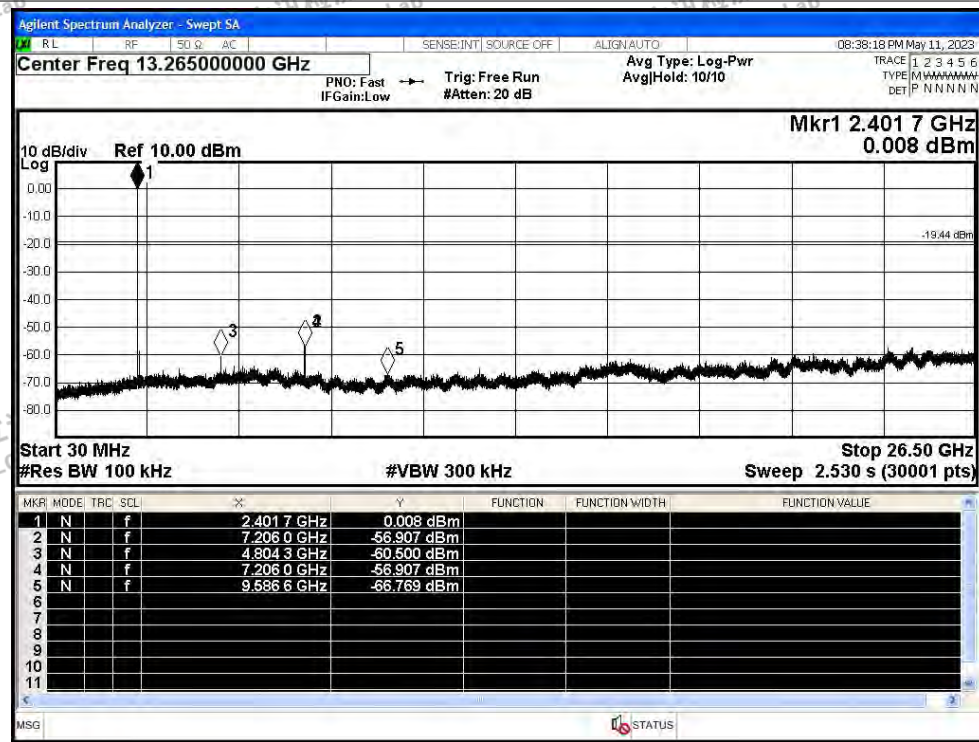


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref

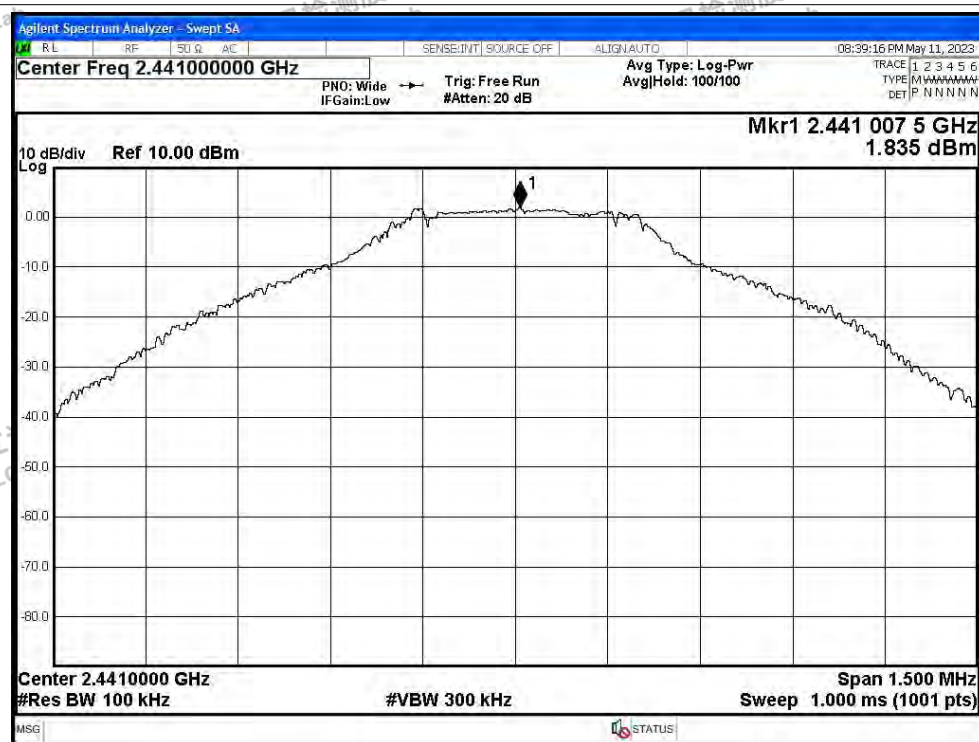


Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission

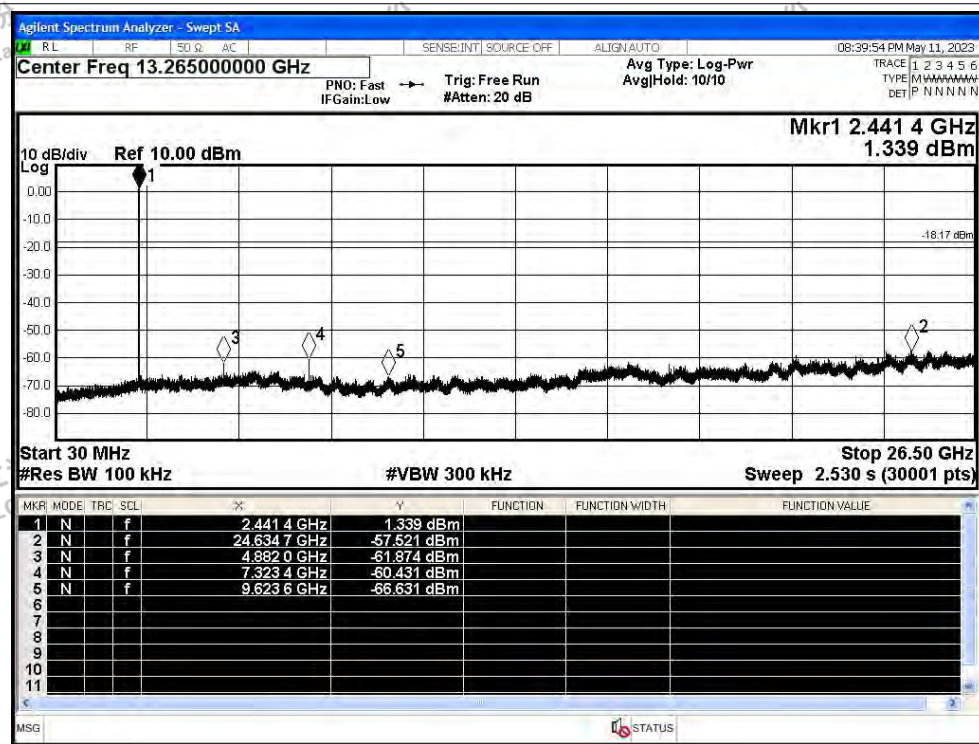




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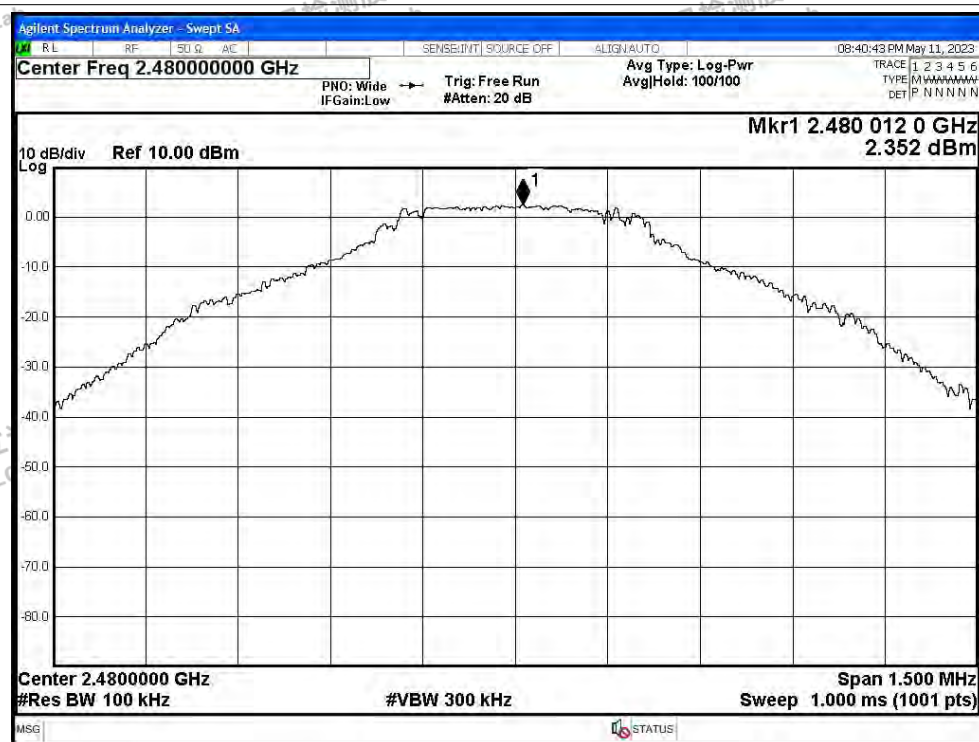


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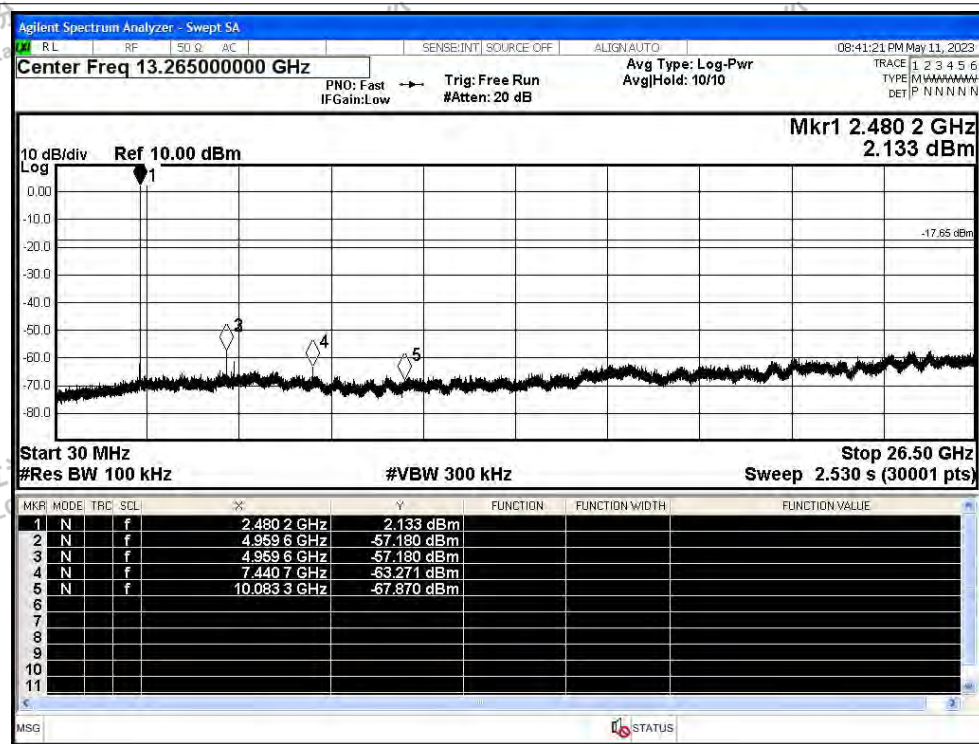




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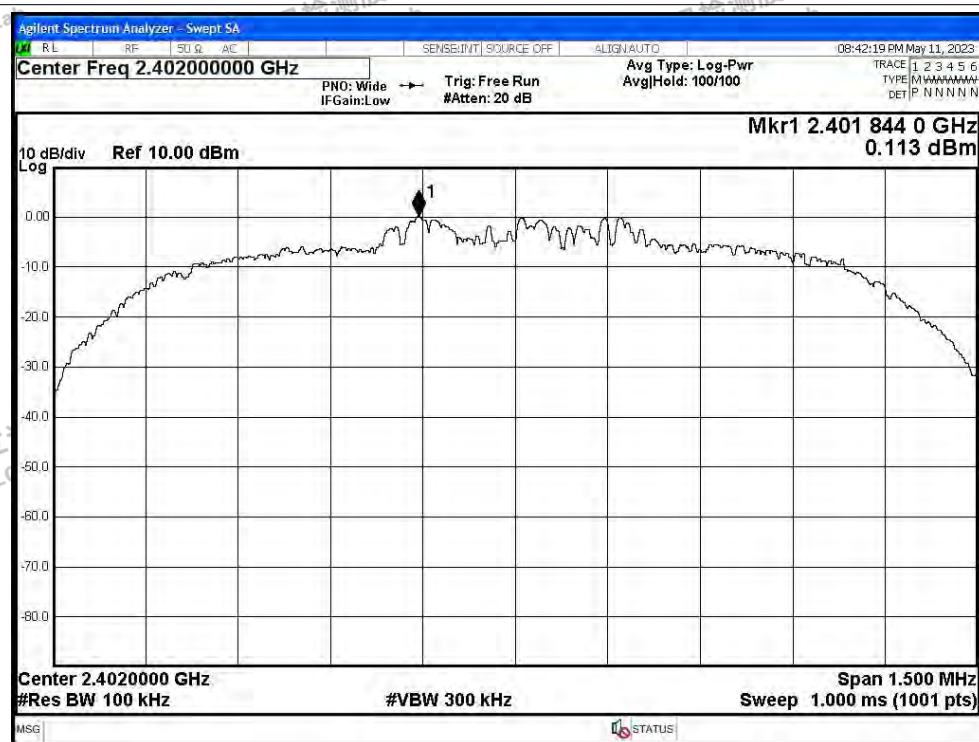


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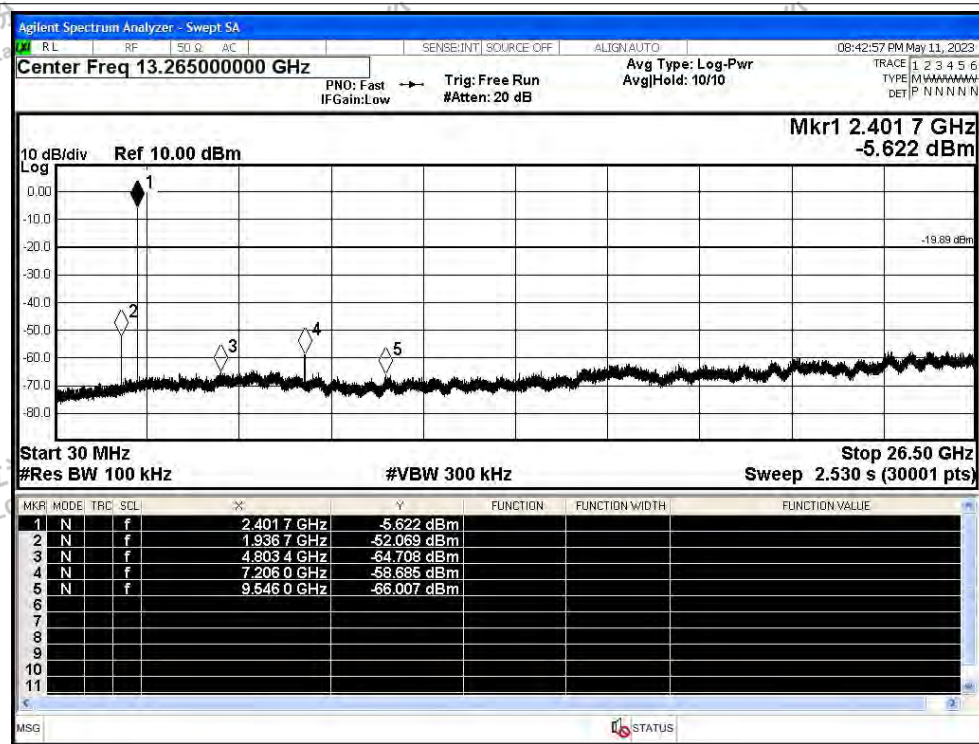




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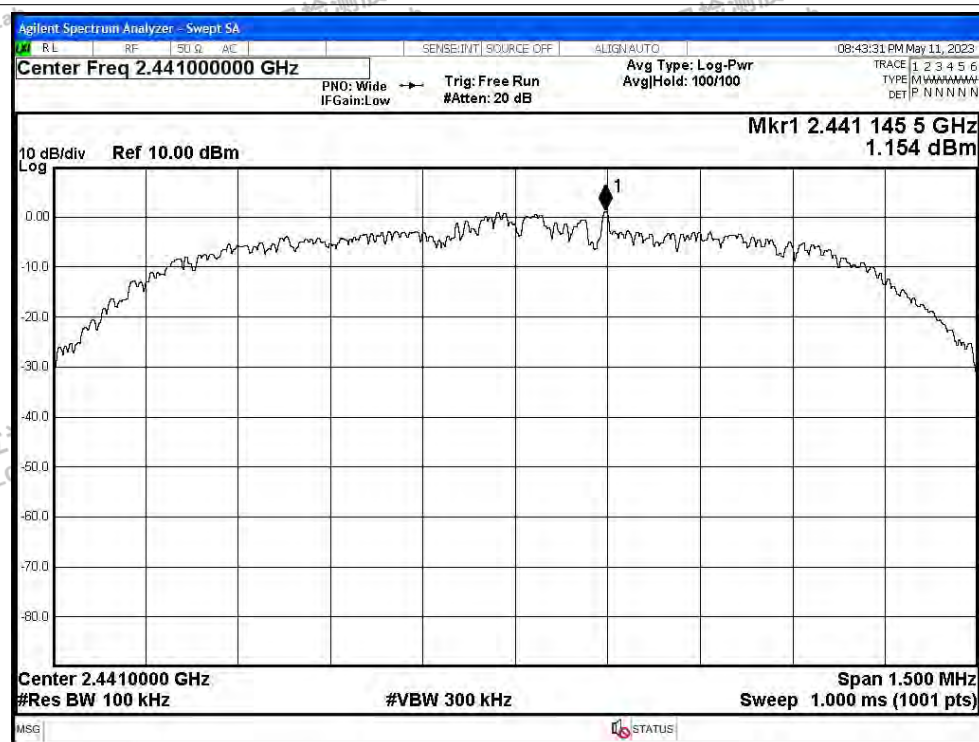


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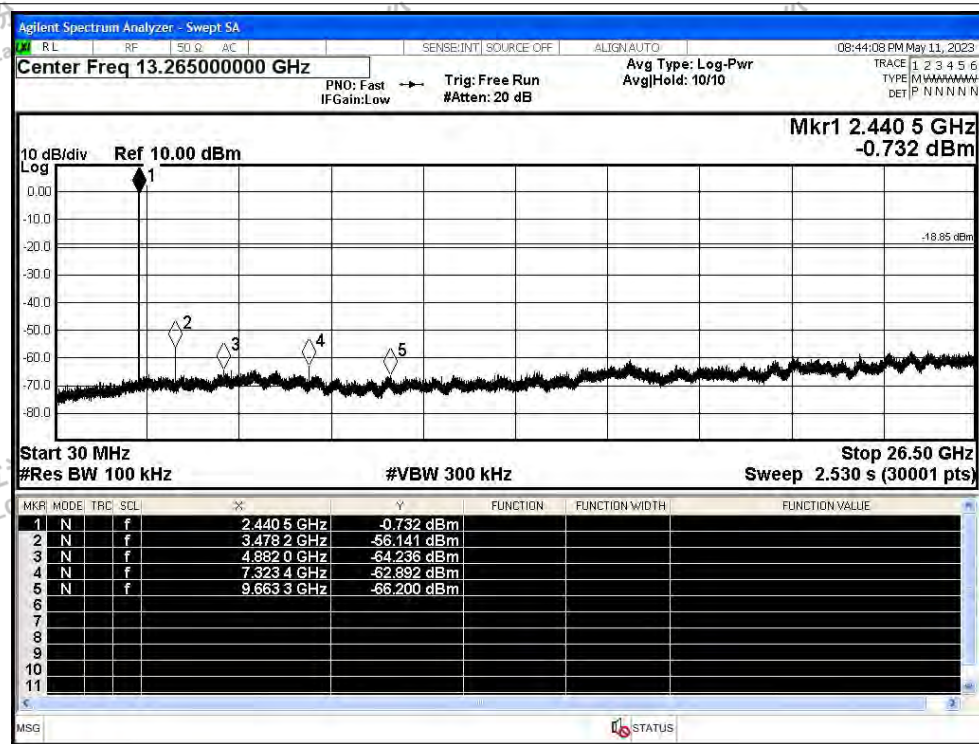




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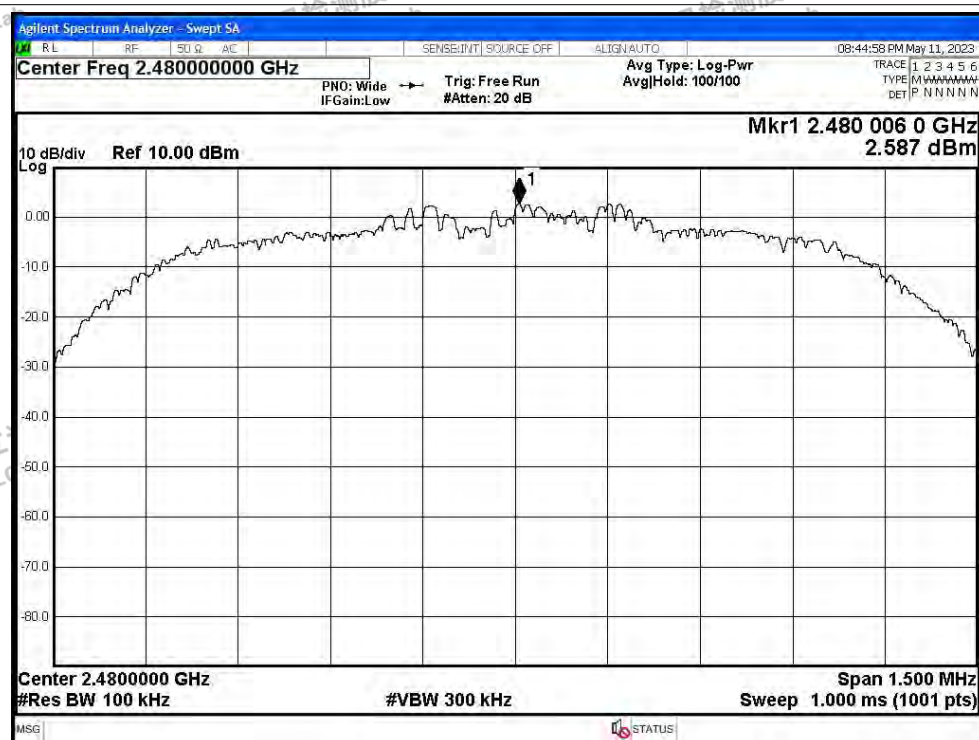


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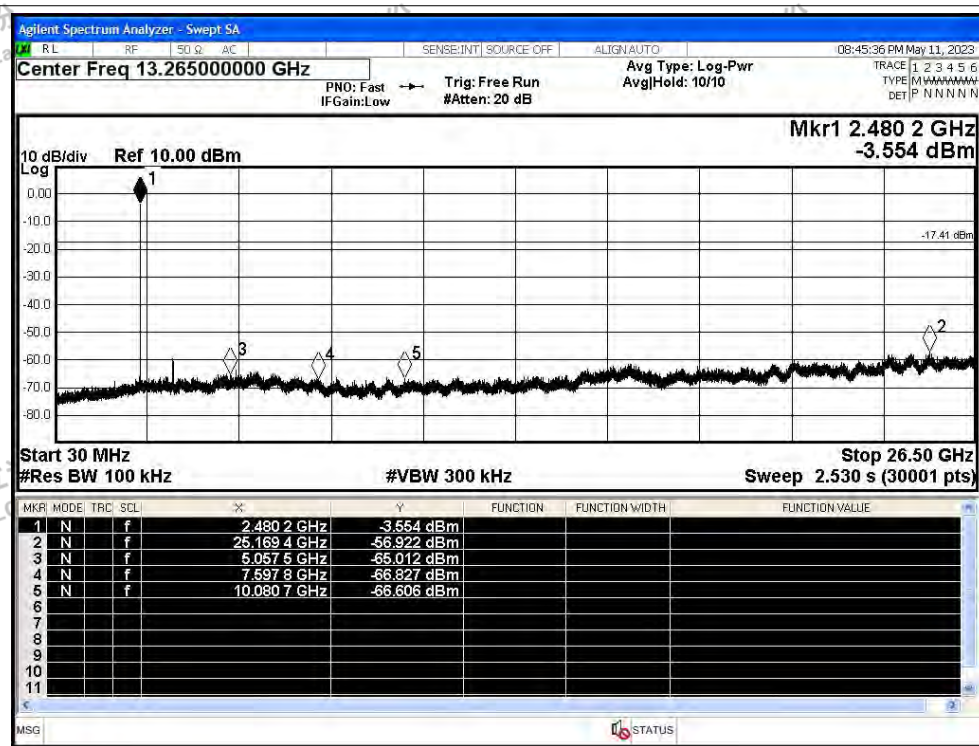




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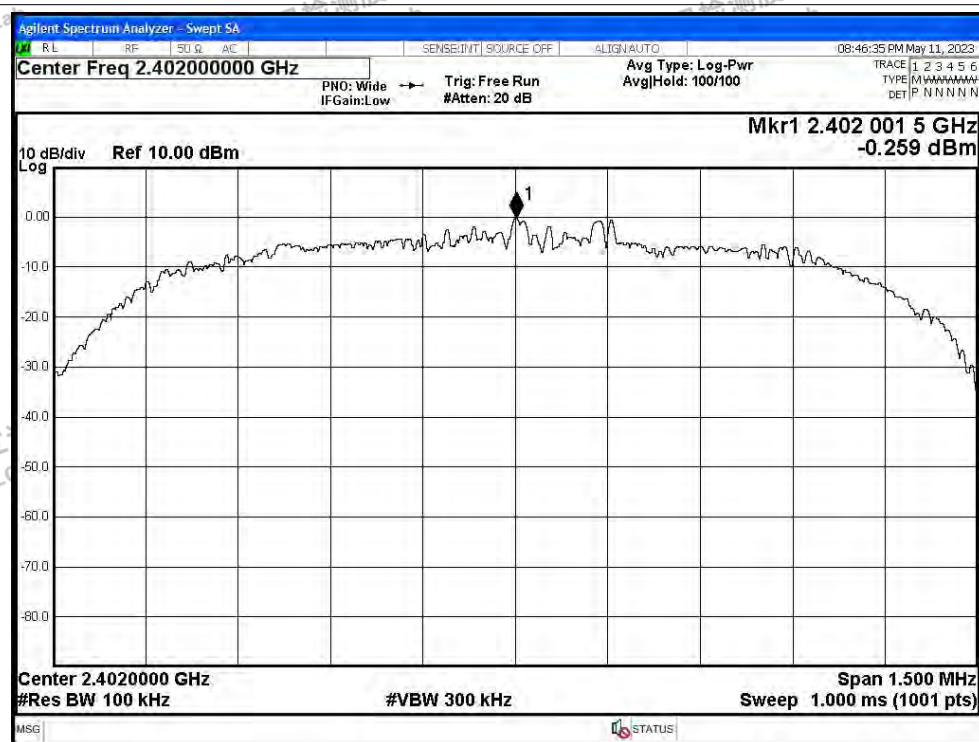


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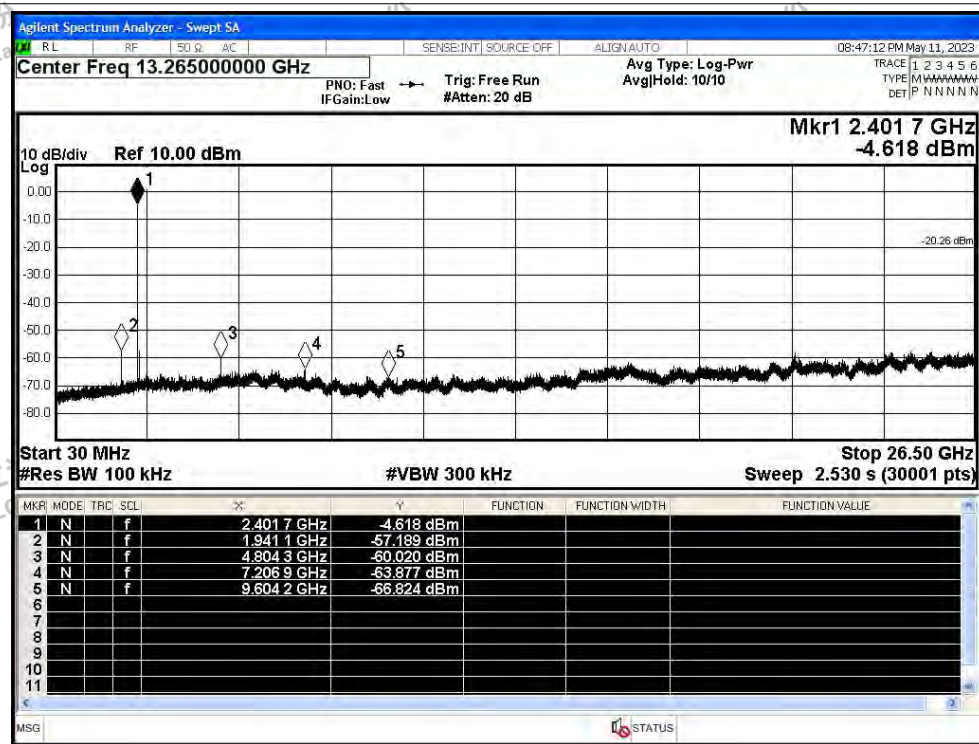




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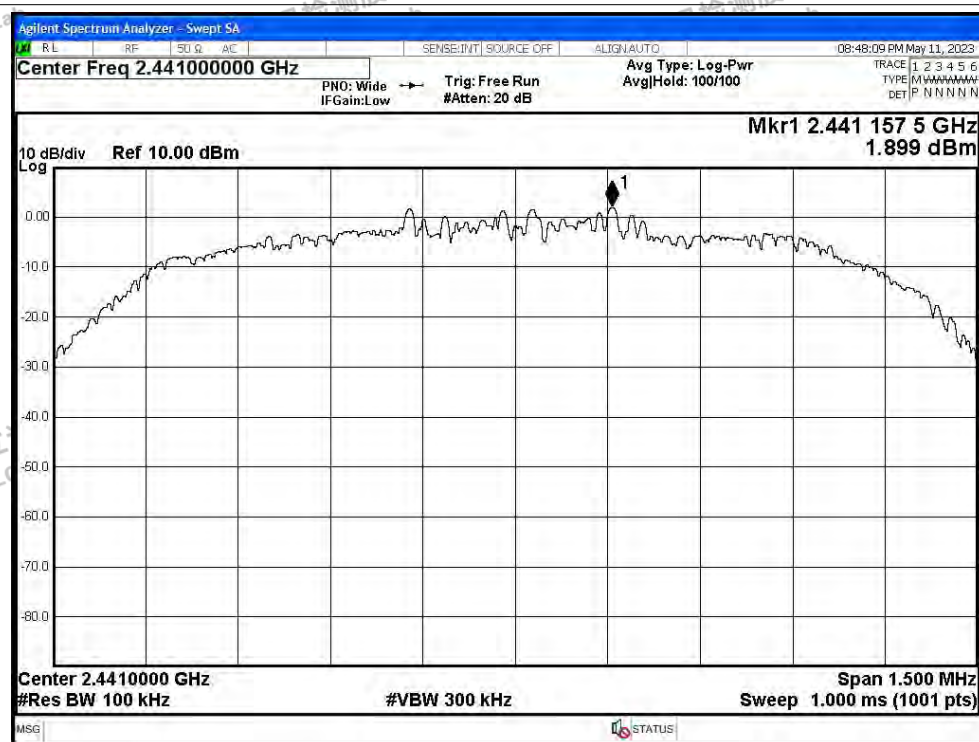


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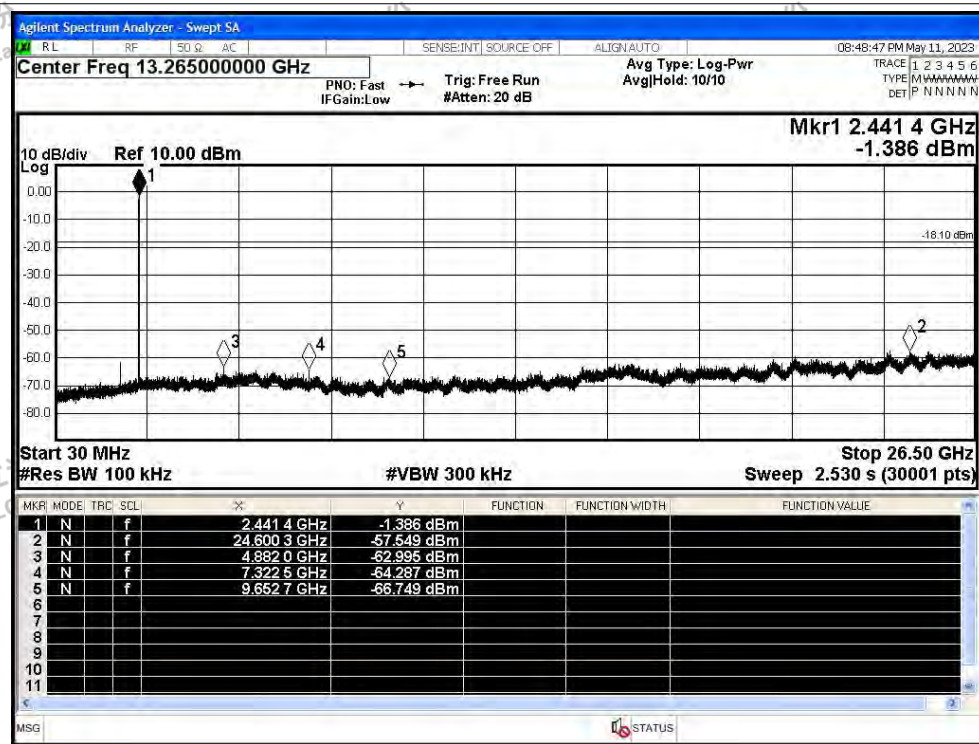




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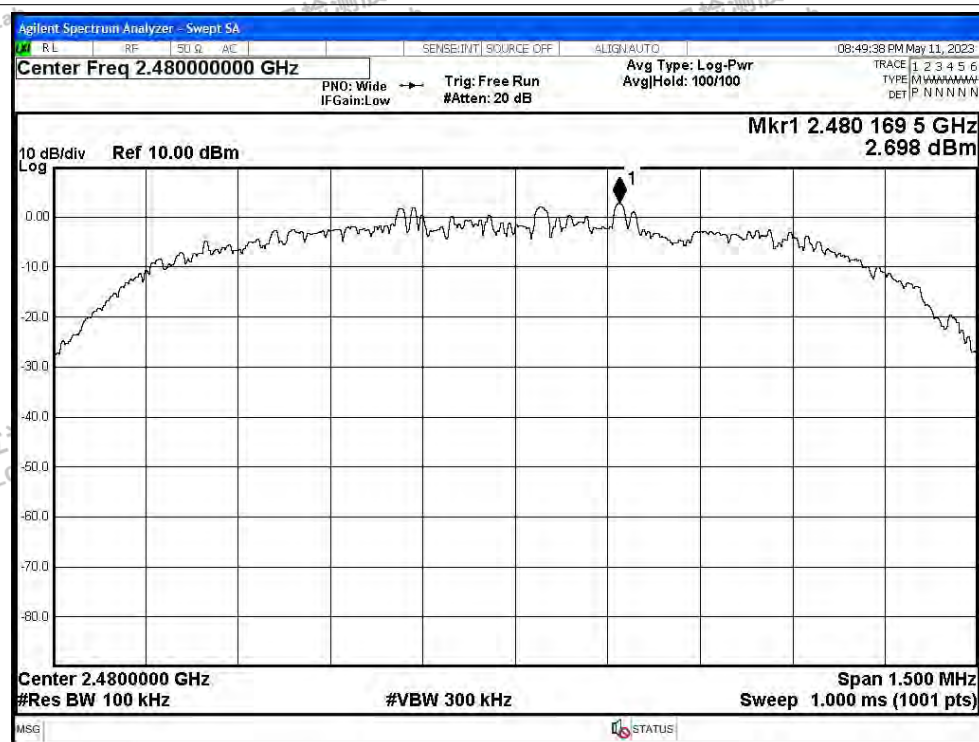


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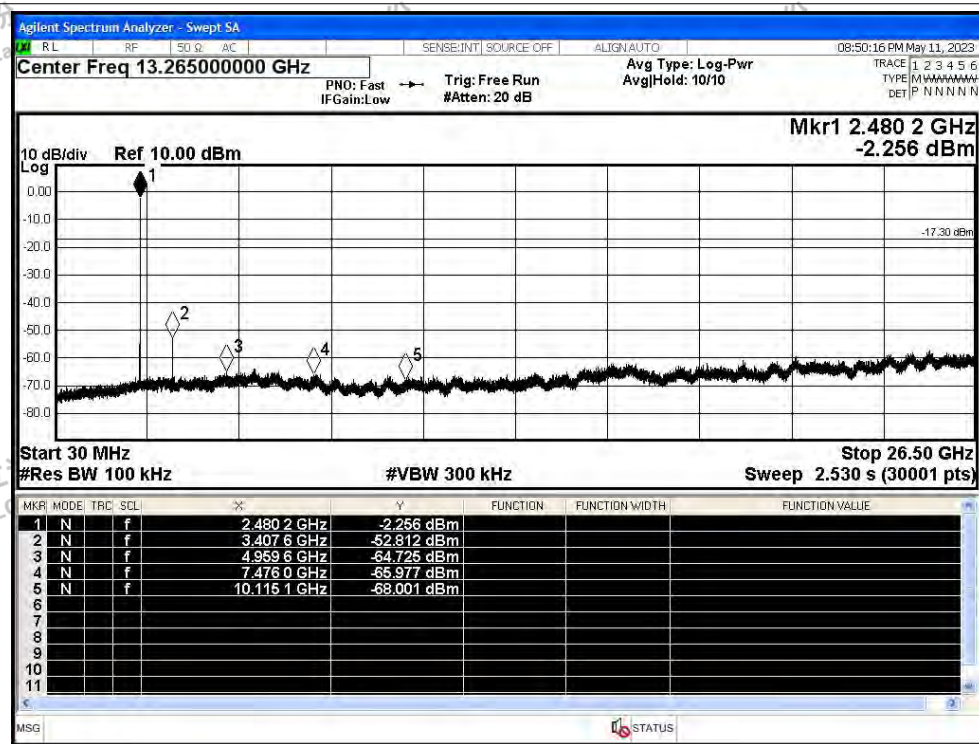




Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission





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	-51.48	2	45.78	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-62.09	2	35.17	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2332.848	-48.12	2	49.14	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2375.952	-61.49	2	35.77	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-51.34	2	45.92	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-61.55	2	35.71	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-52.24	2	45.02	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-61.07	2	36.19	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2484.496	-48.68	2	48.58	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.656	-60.96	2	36.3	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-52.71	2	44.55	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-61.53	2	35.73	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-52.82	2	44.44	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-61.97	2	35.29	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2326.416	-48.2	2	49.06	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2387.376	-61.45	2	35.81	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-52.02	2	45.24	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-61.61	2	35.65	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-50.1	2	47.16	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-60.16	2	37.1	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.896	-47.88	2	49.38	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.632	-60.15	2	37.11	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-51.03	2	46.23	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-61.4	2	35.86	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-51.45	2	45.81	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-62.04	2	35.22	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2353.392	-48.57	2	48.69	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2386.608	-61.38	2	35.88	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-51.67	2	45.59	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-61.59	2	35.67	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-49.11	2	48.15	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-60.27	2	36.99	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2486.968	-48.82	2	48.44	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.512	-60.27	2	36.99	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-51.55	2	45.71	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-61.45	2	35.81	Average	54	Pass

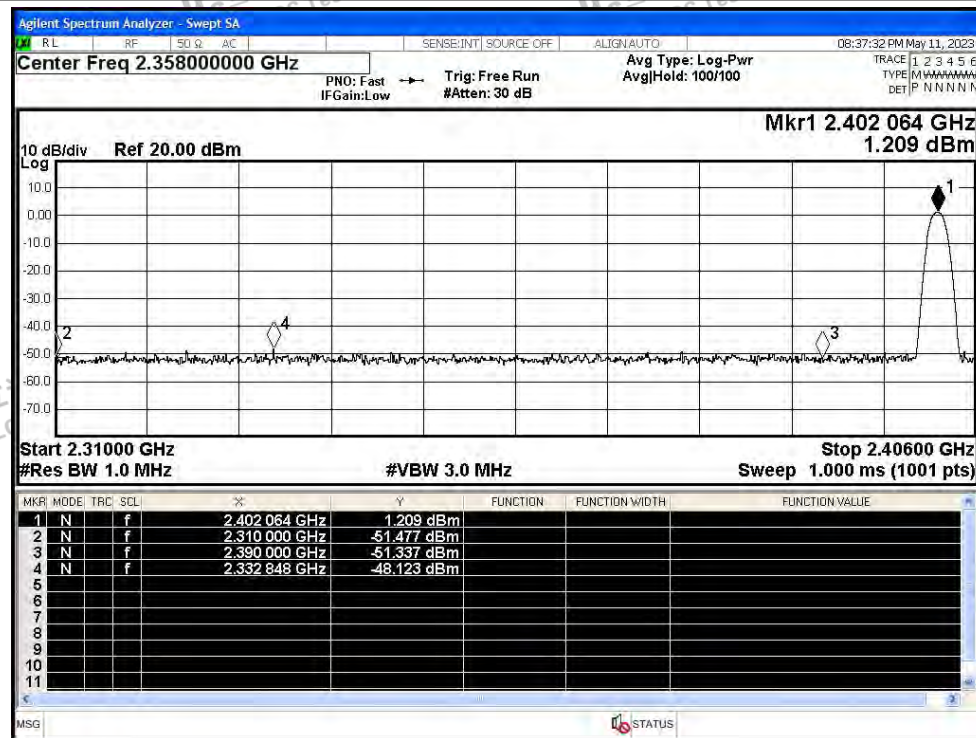


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Scan code to check authenticity

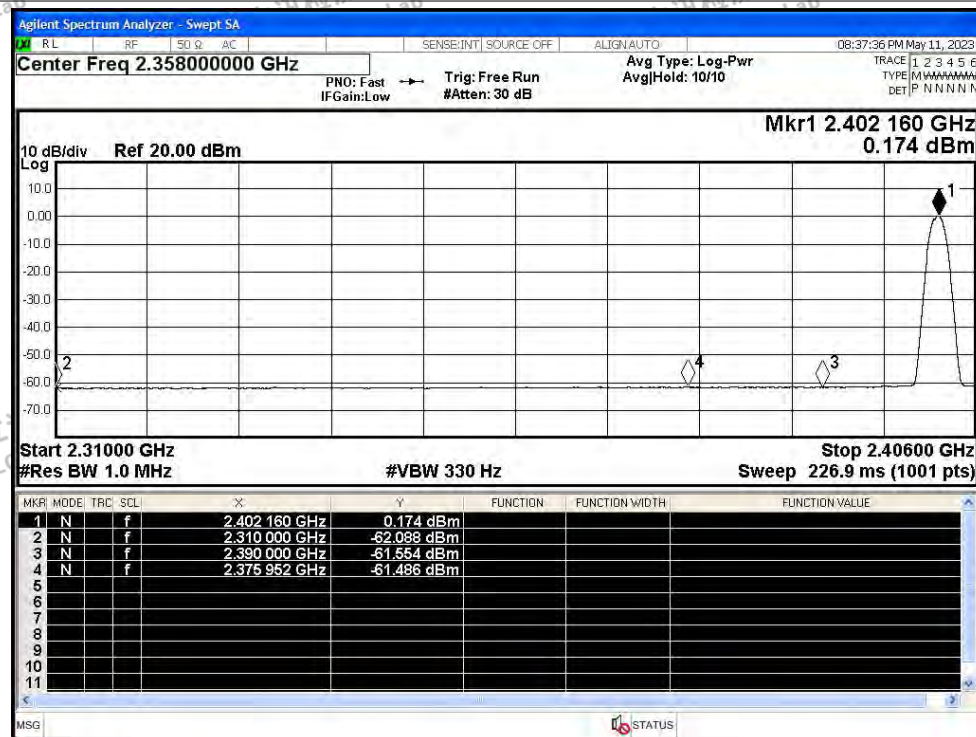


Test Graphs

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.

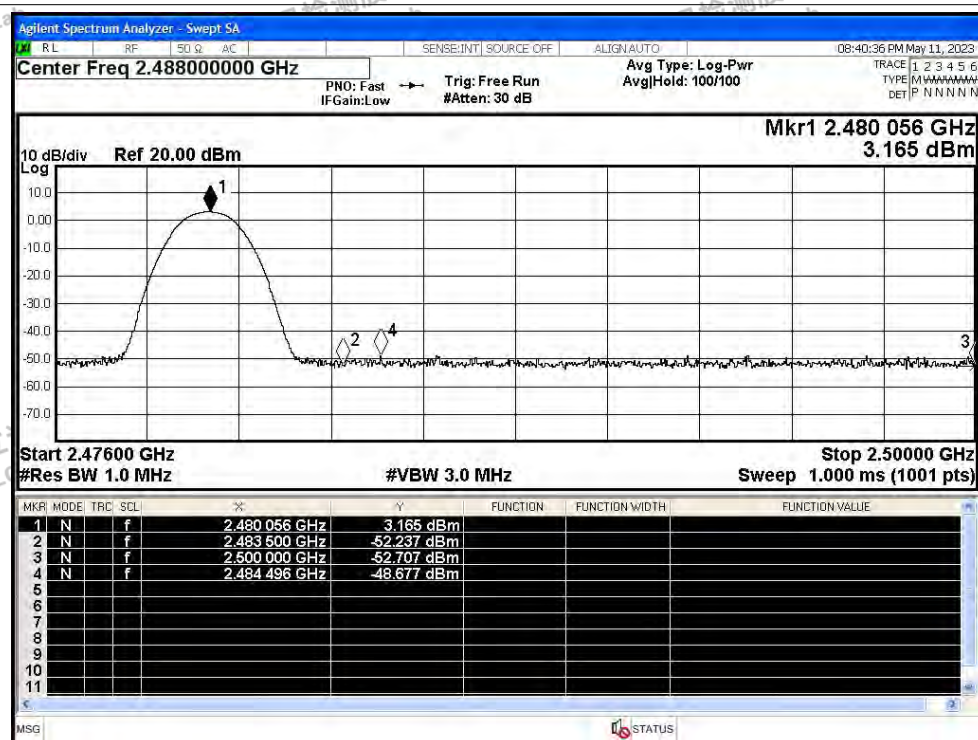
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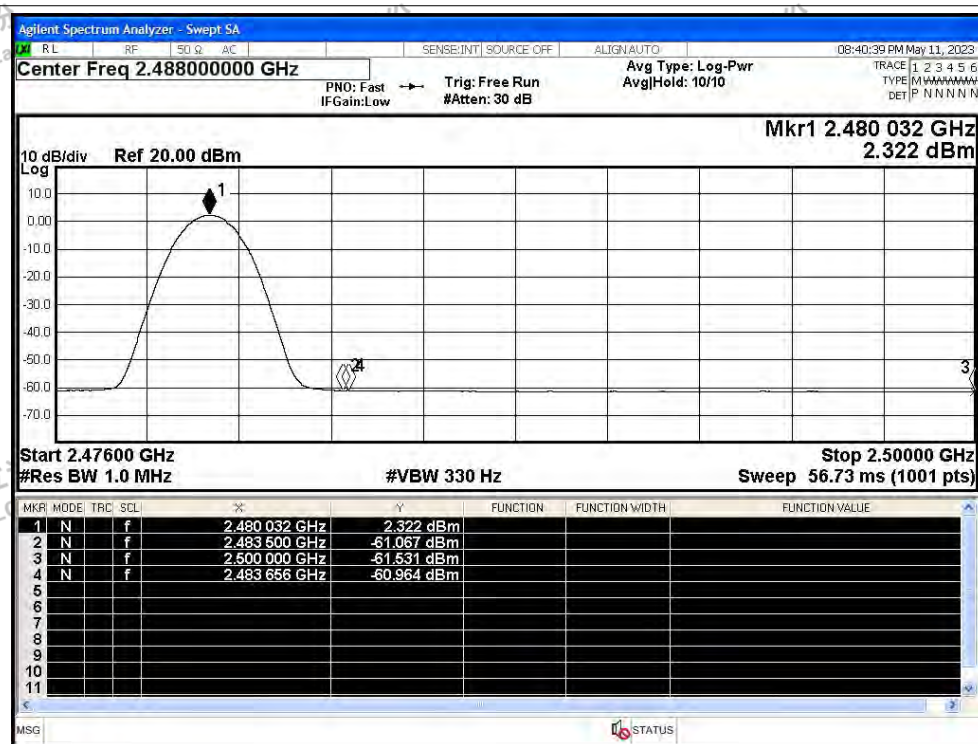
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Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak

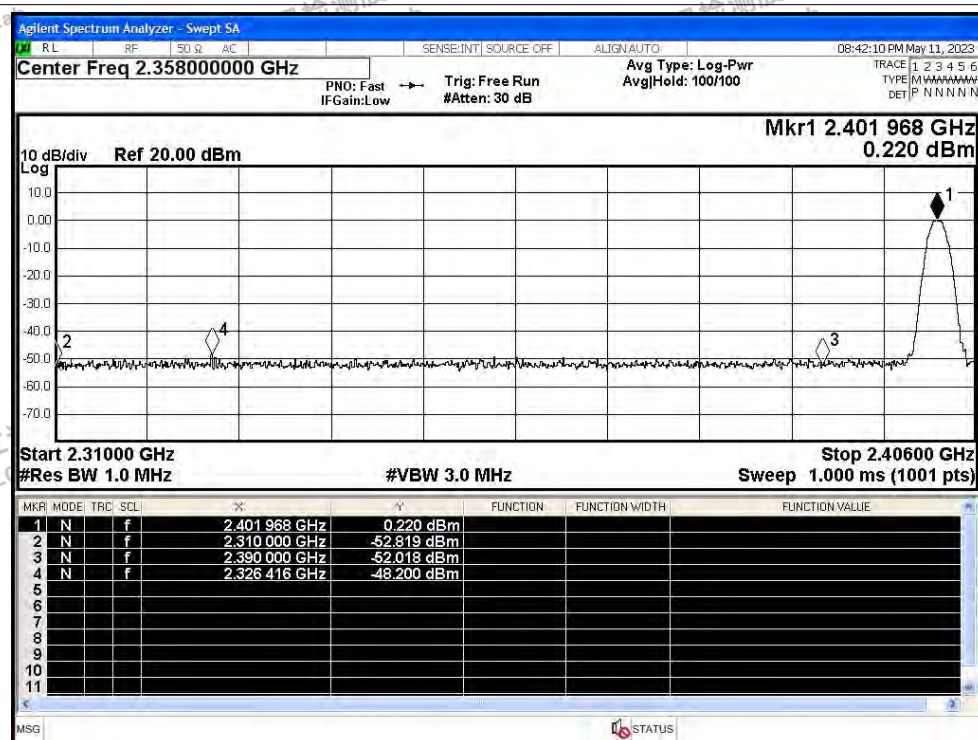


Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average

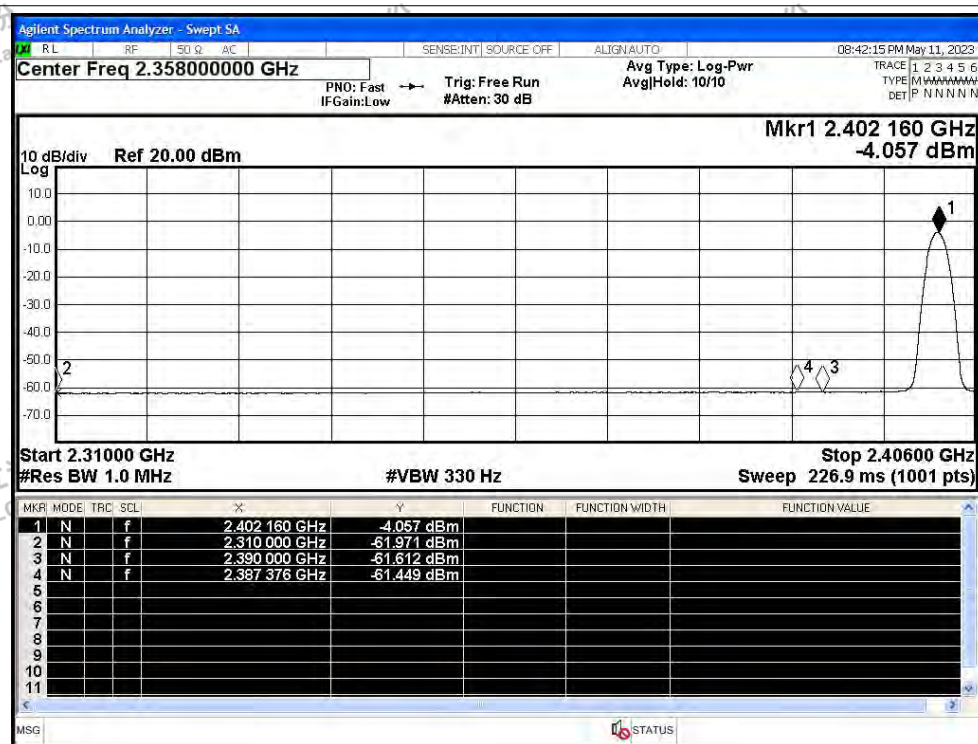




Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak

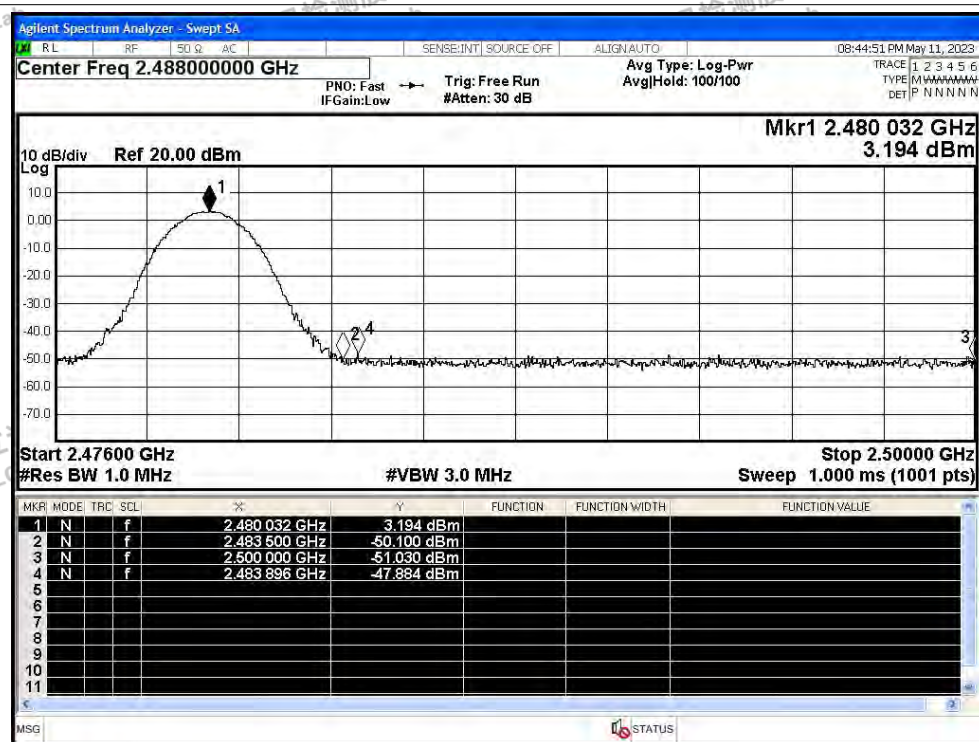


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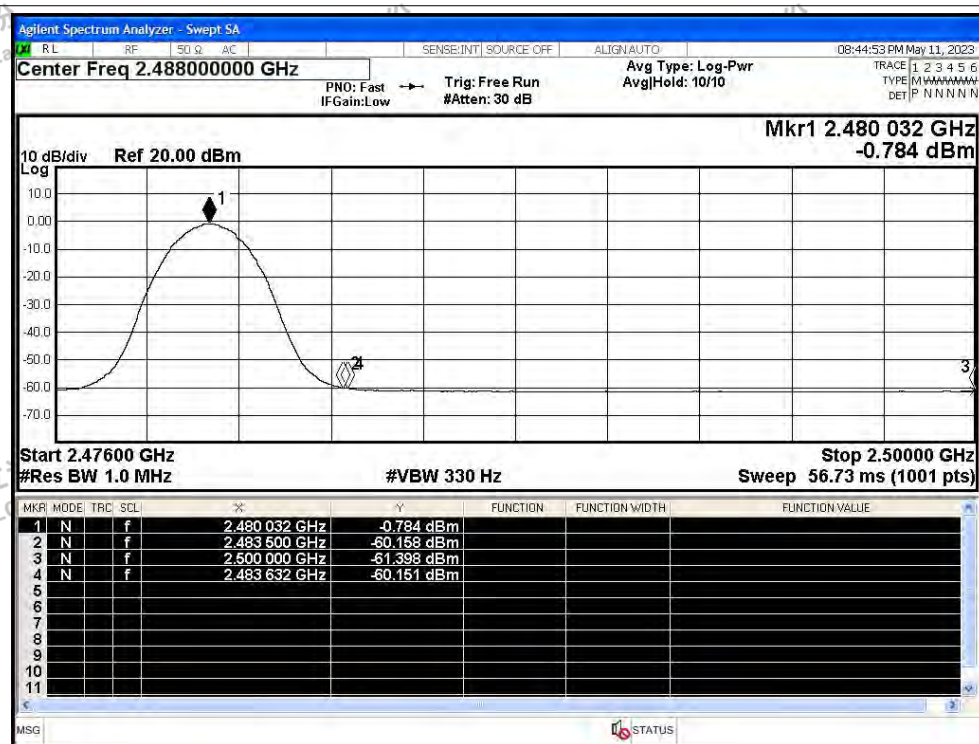




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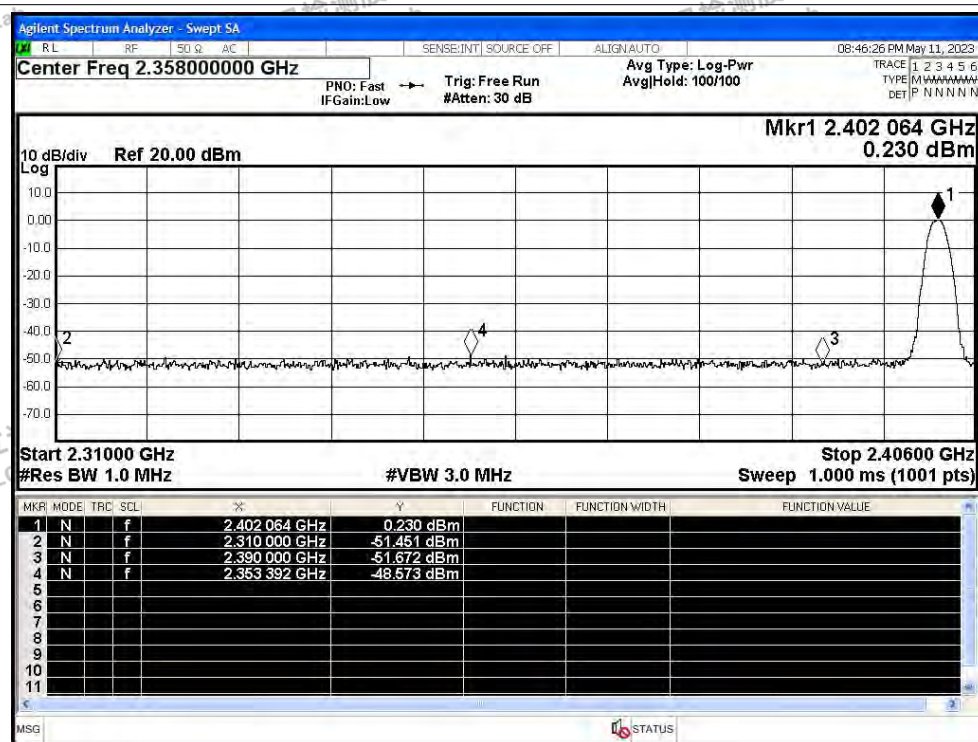


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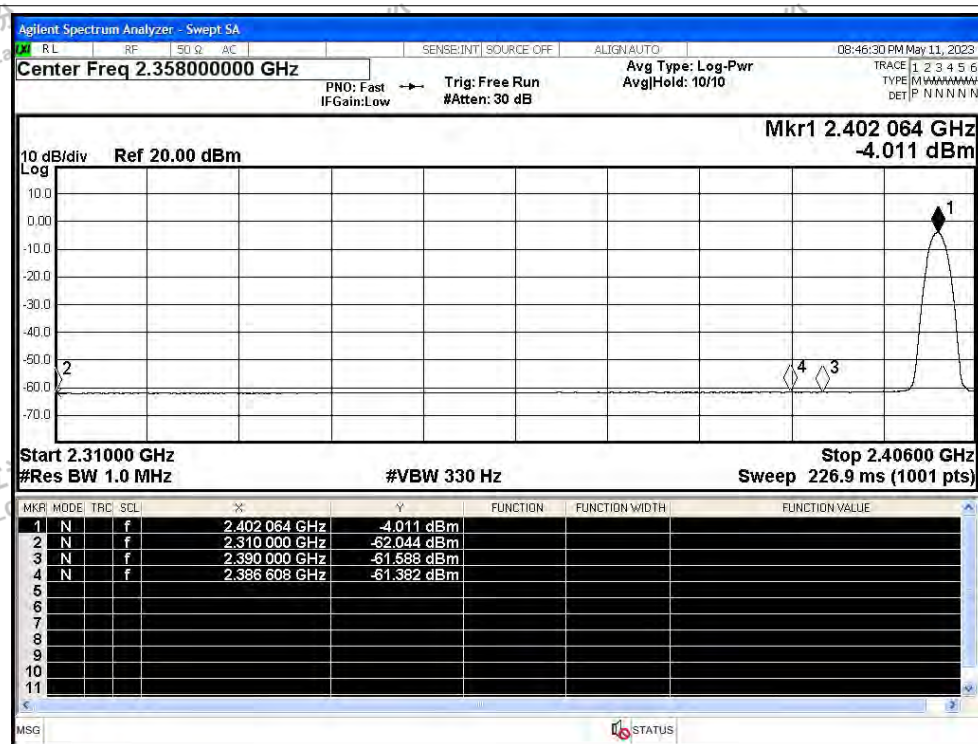




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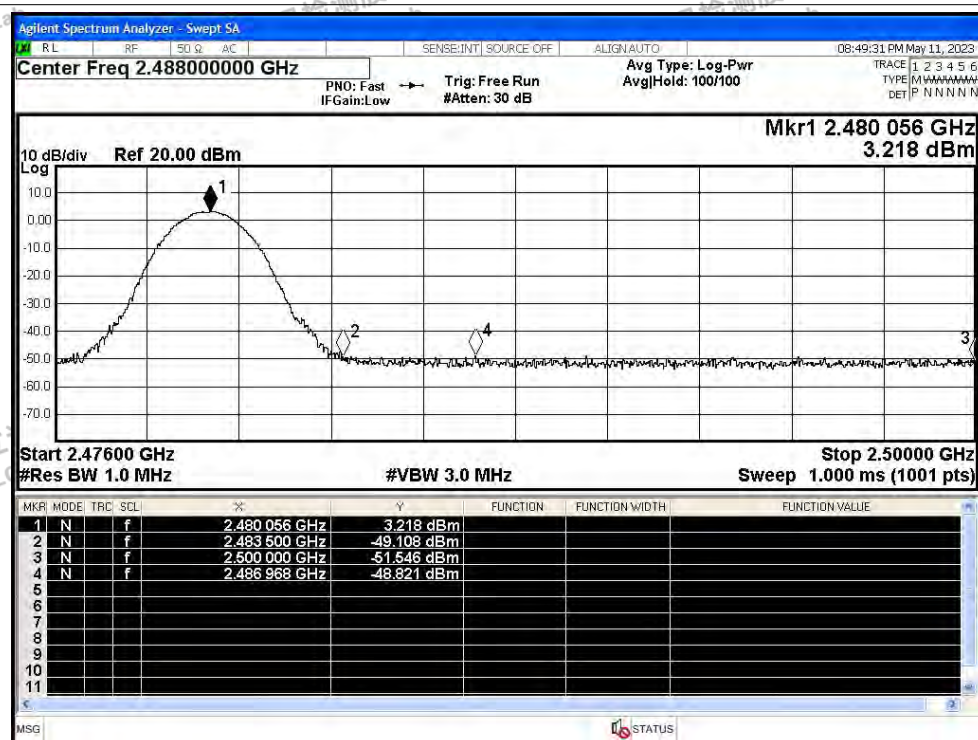


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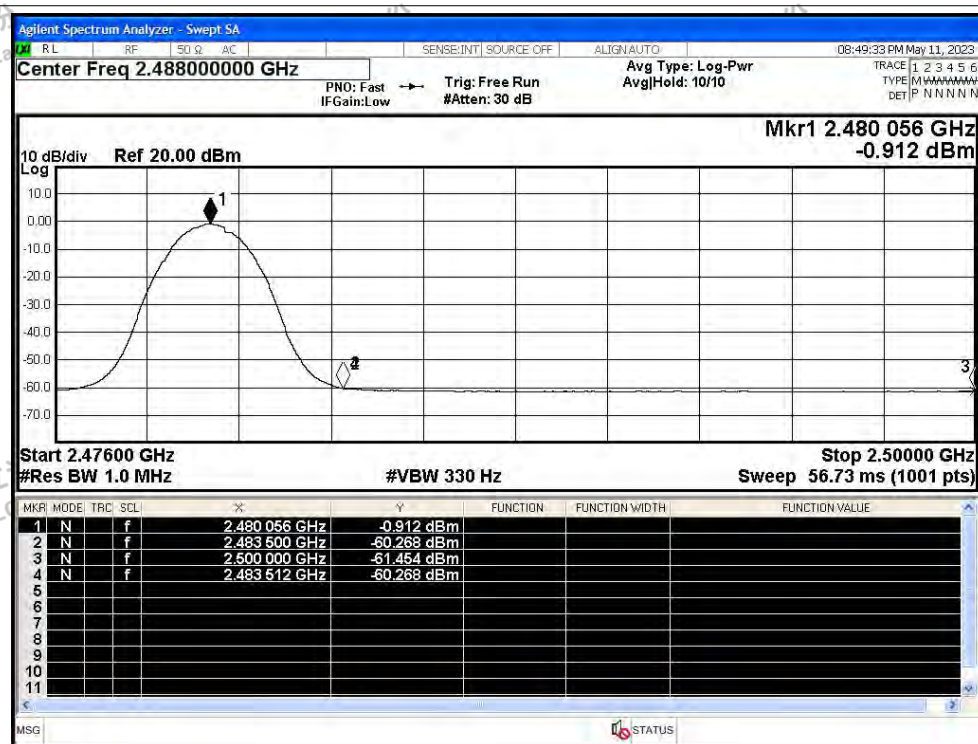




Restrict Band NVNT 3-DH5 2480MHz Ant1 No-Hopping Peak



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



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