



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Smart POS

Test Model: WIZARPOS Q2

Environmental Conditions

Temperature:	24.3°C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Billy Yu
Supervised by:	Paddi Chen





A.1 -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.969	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.971	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.974	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.284	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.282	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.324	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.287	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.282	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.298	N/A	Pass

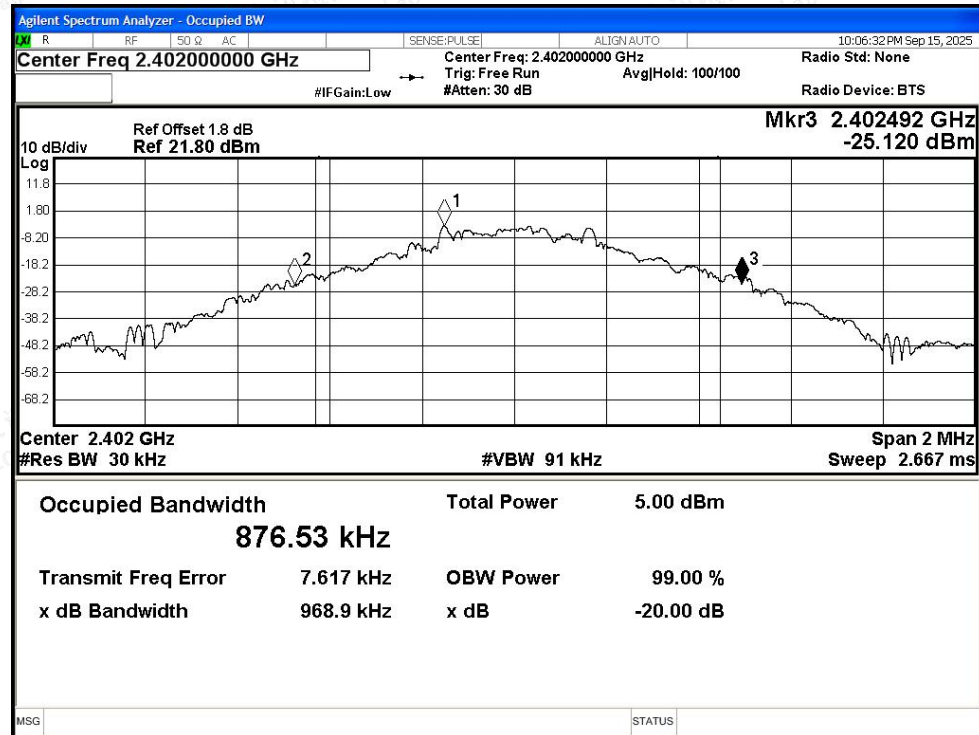


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Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



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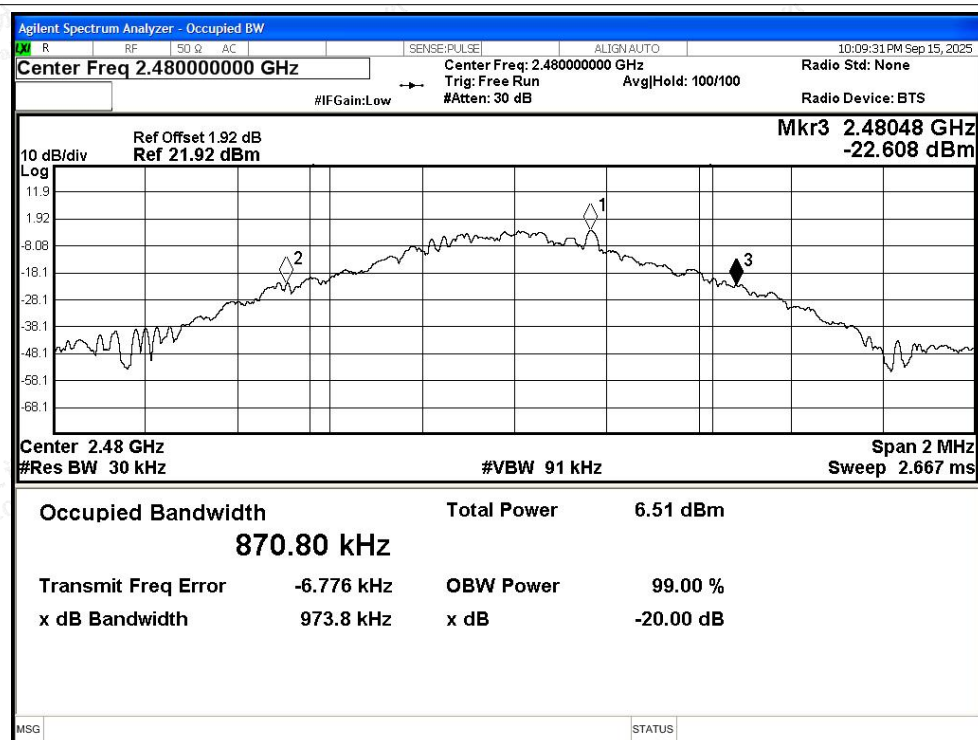
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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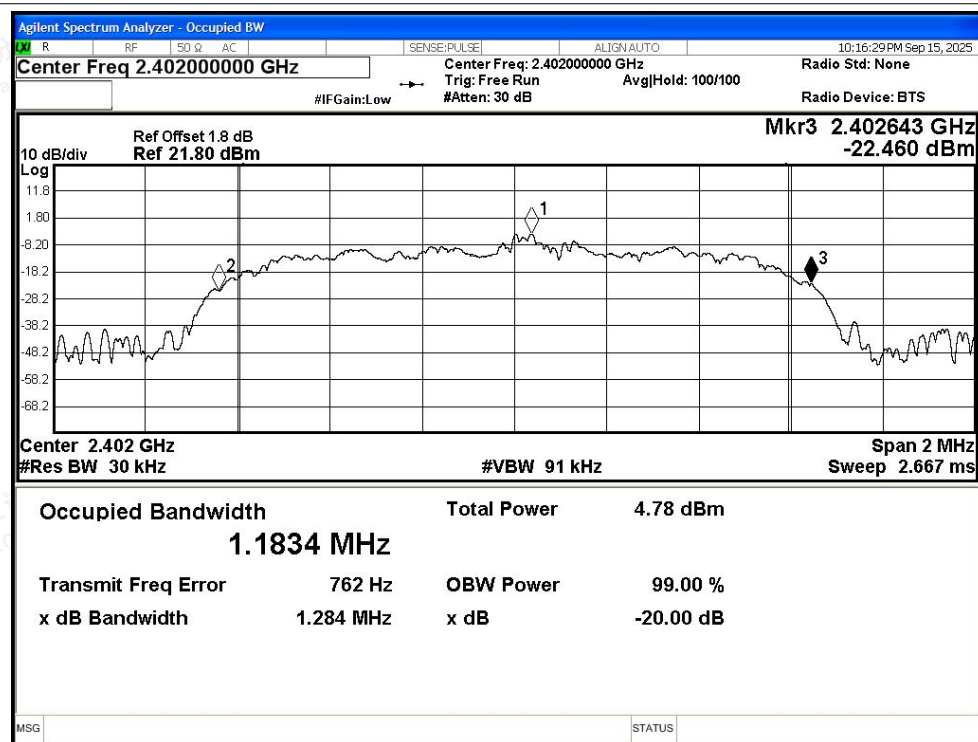
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-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



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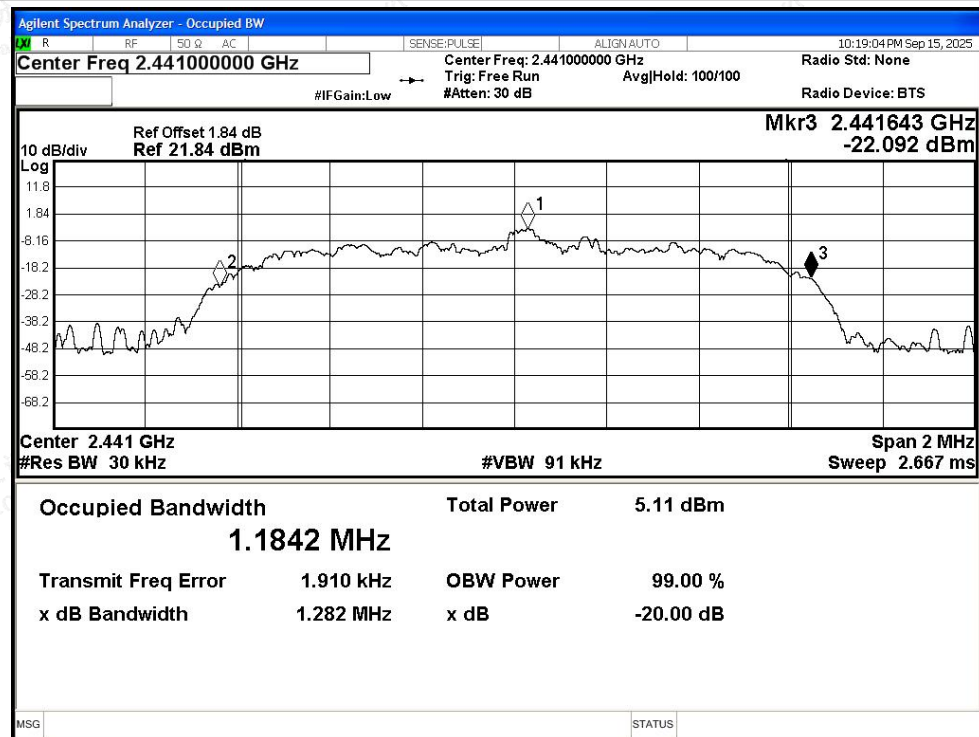
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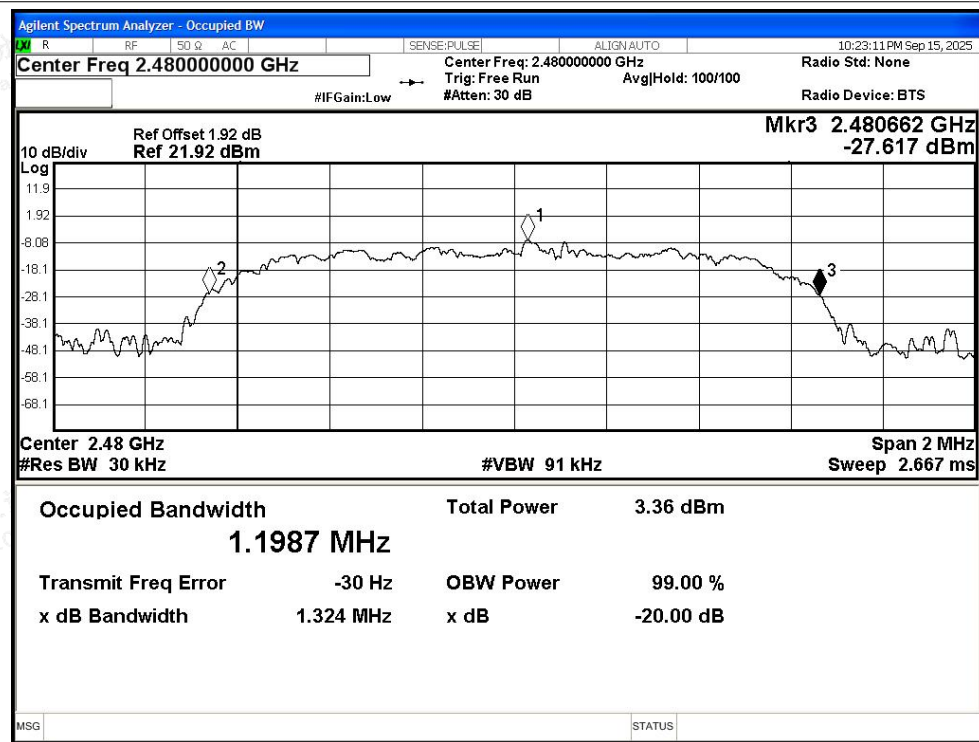
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-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



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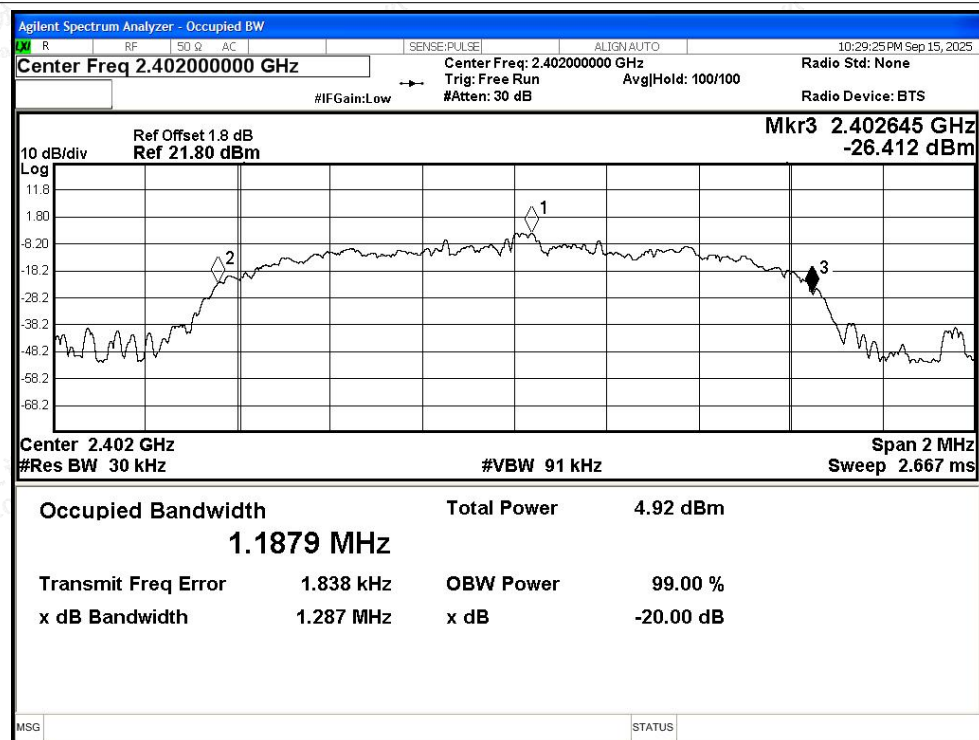
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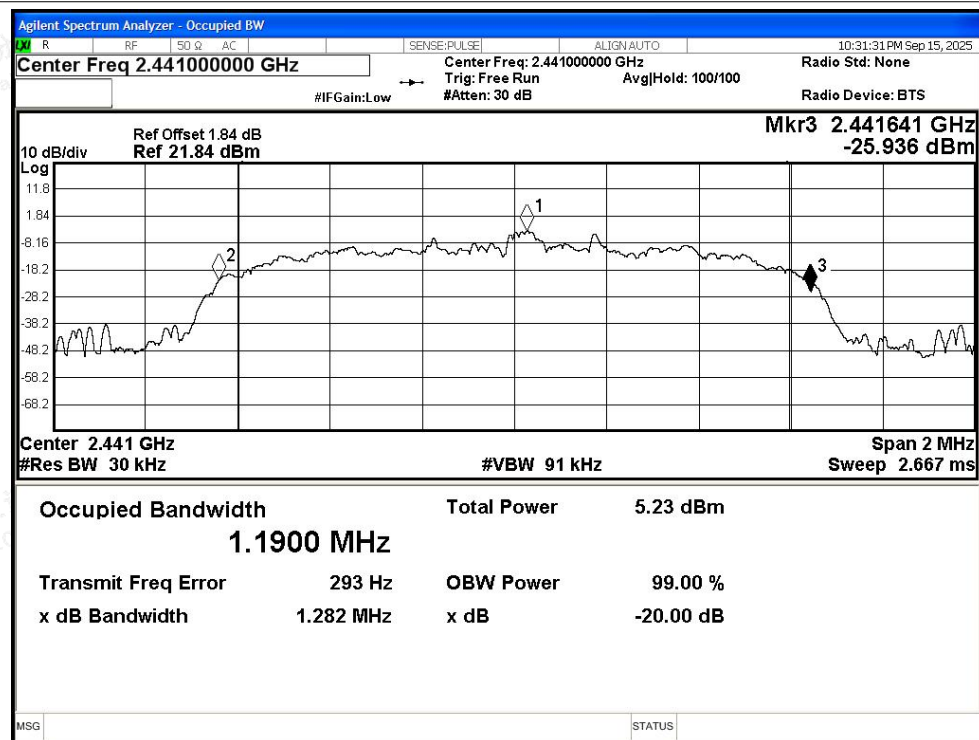
Scan code to check authenticity



-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1

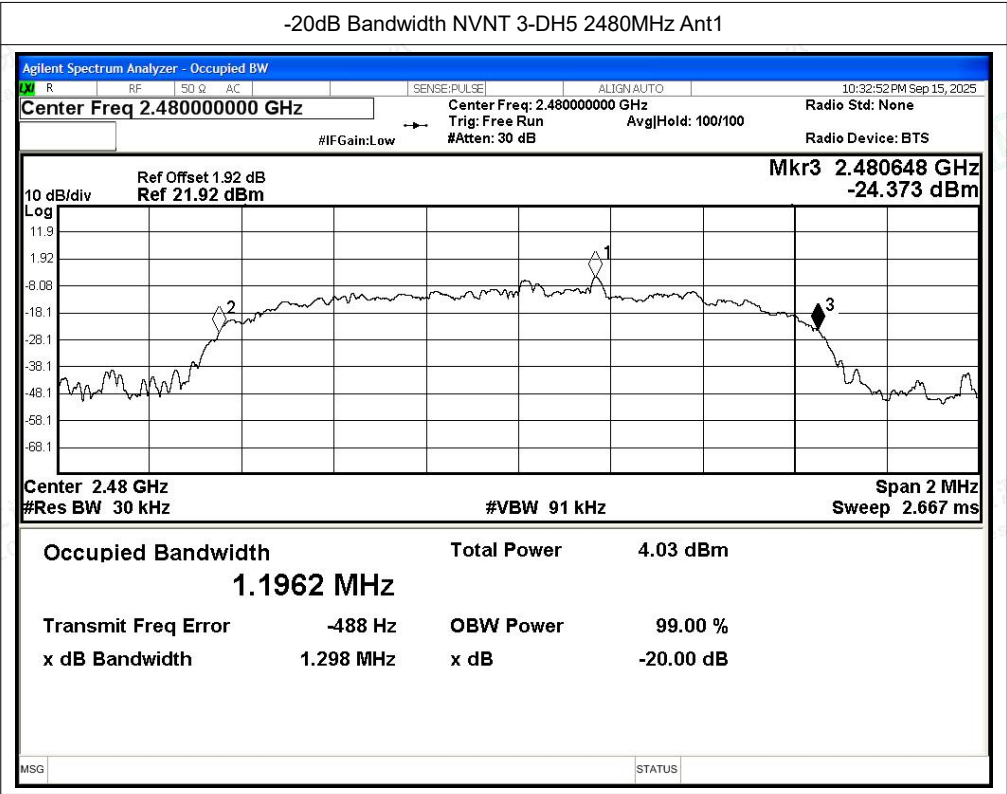


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A.2 Maximum Peak Conducted Output Power

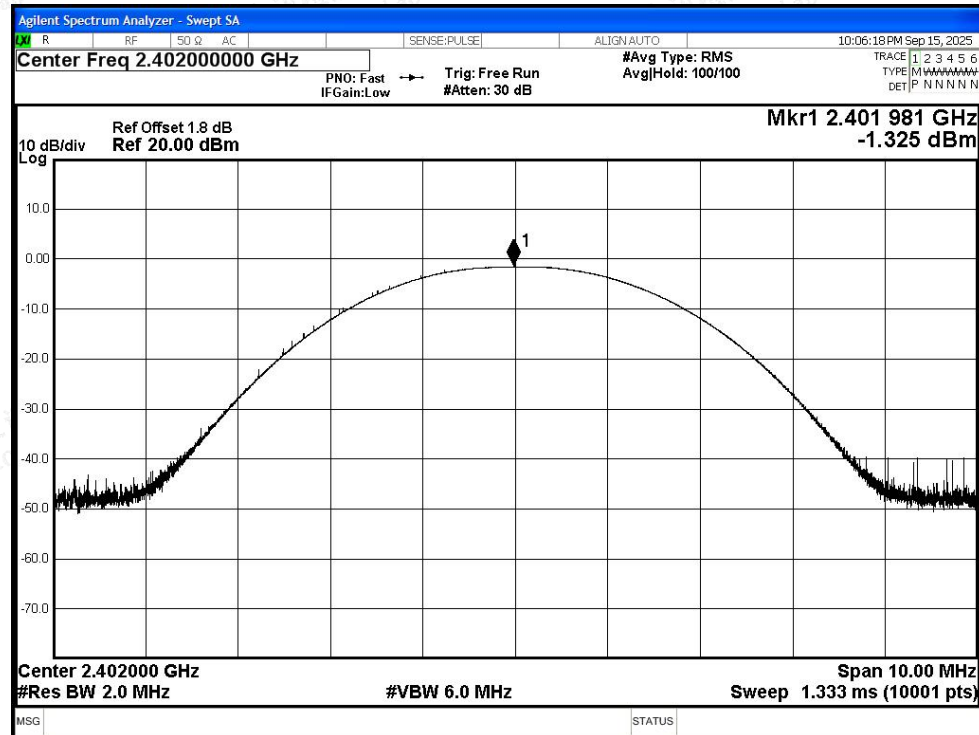
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-1.33	21	Pass
NVNT	1-DH5	2441	Ant1	1.40	21	Pass
NVNT	1-DH5	2480	Ant1	0.44	21	Pass
NVNT	2-DH5	2402	Ant1	0.44	21	Pass
NVNT	2-DH5	2441	Ant1	0.71	21	Pass
NVNT	2-DH5	2480	Ant1	-0.48	21	Pass
NVNT	3-DH5	2402	Ant1	0.79	21	Pass
NVNT	3-DH5	2441	Ant1	1.09	21	Pass
NVNT	3-DH5	2480	Ant1	0.04	21	Pass



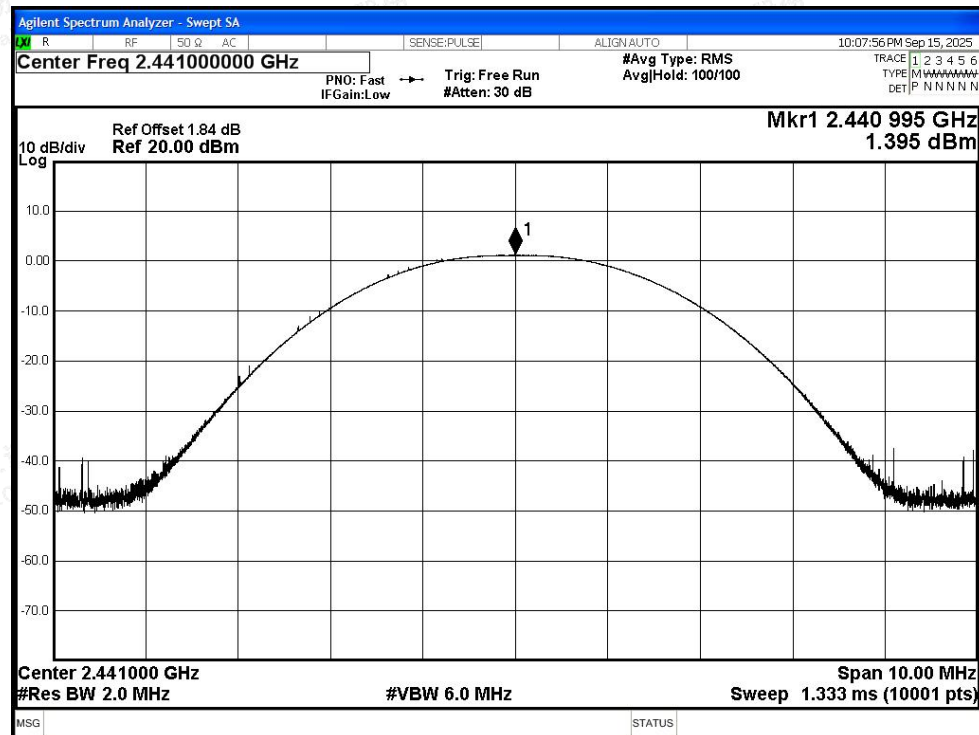


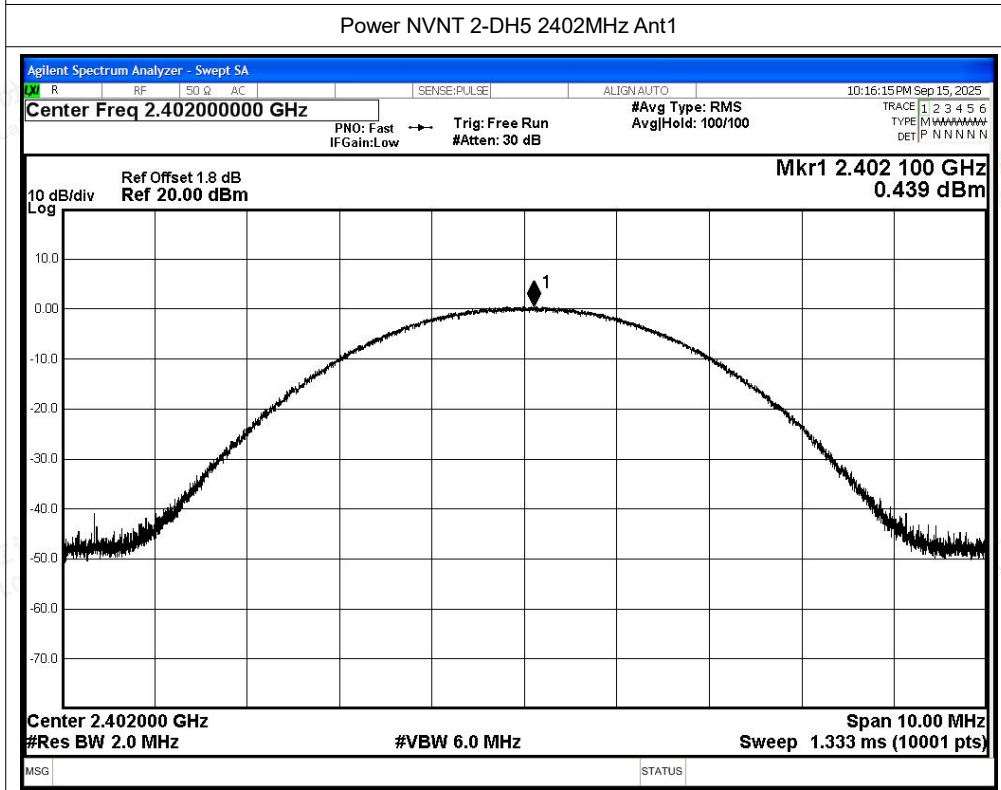
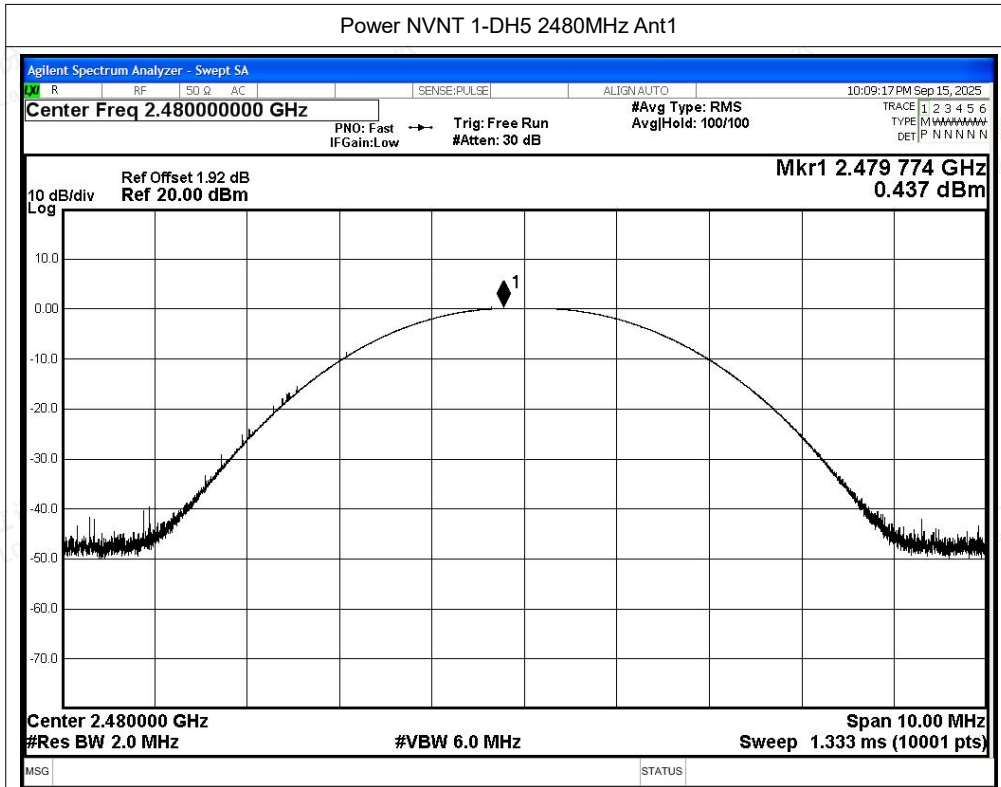
Test Graphs

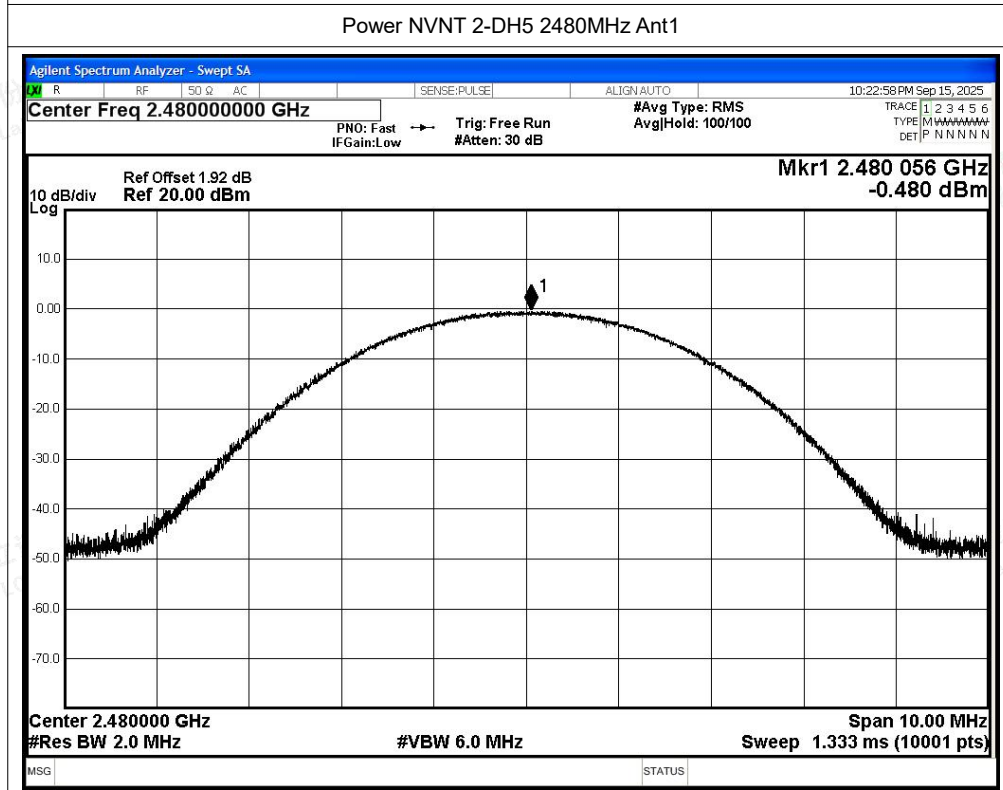
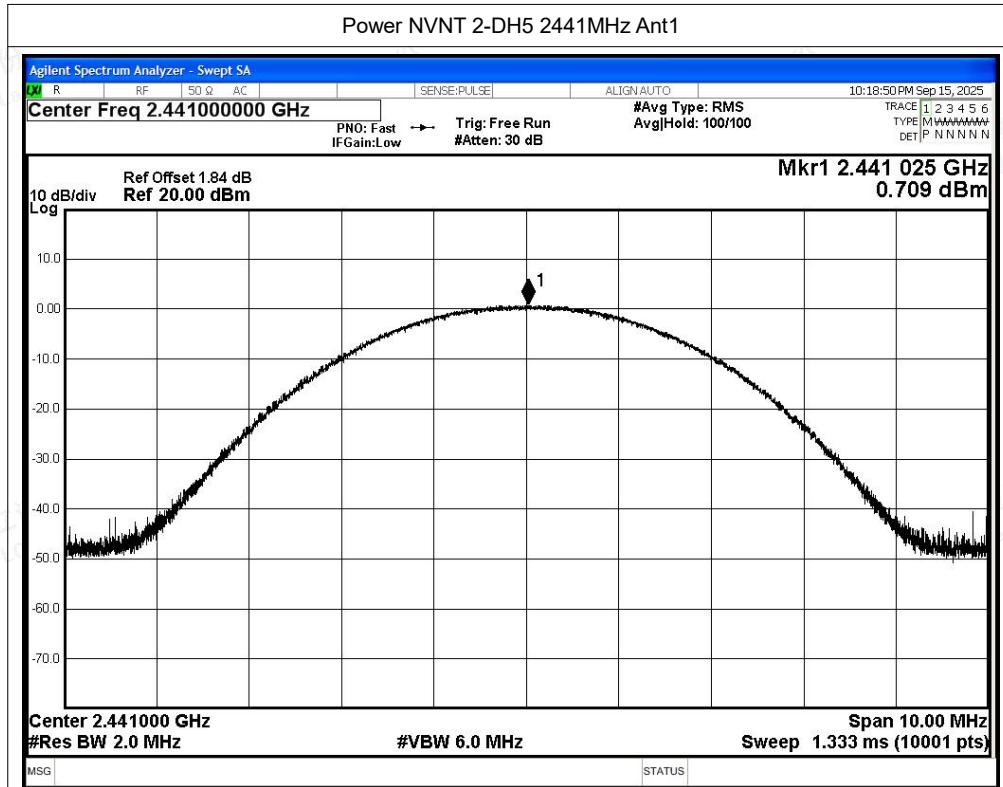
Power NVNT 1-DH5 2402MHz Ant1

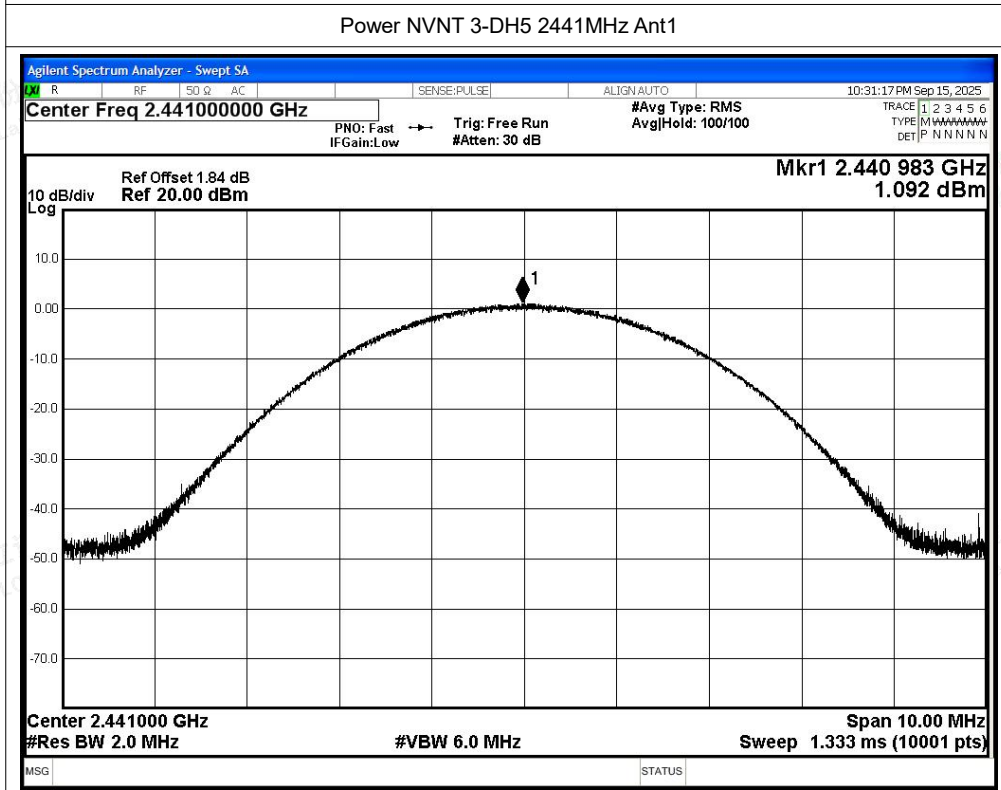
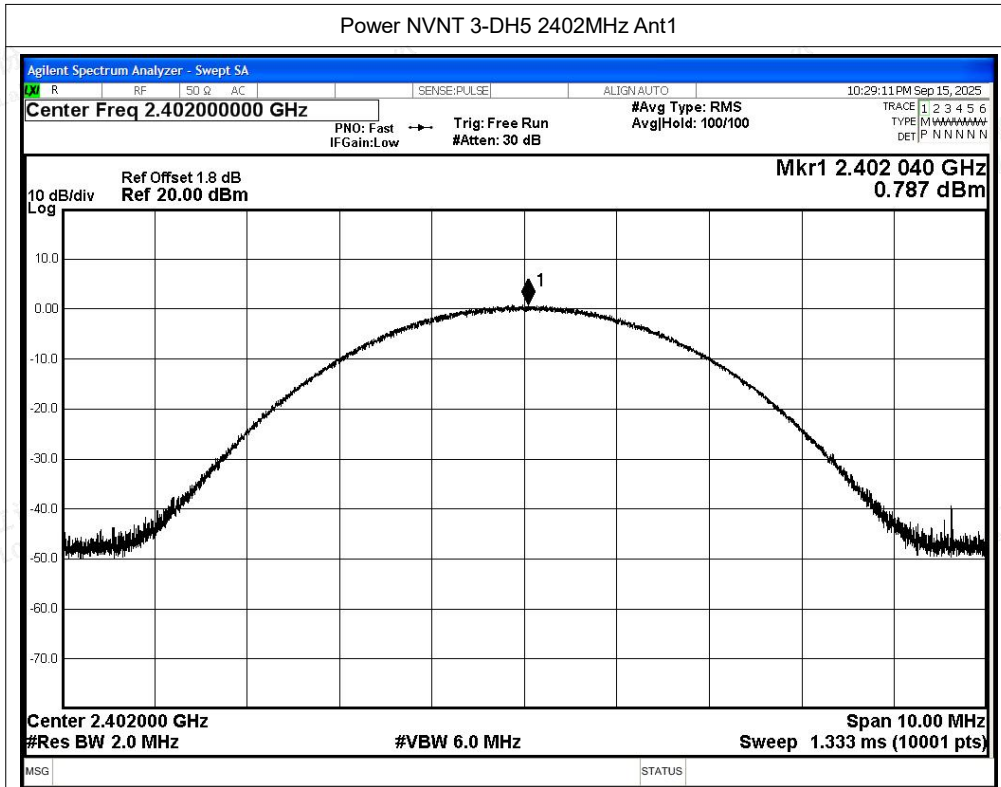


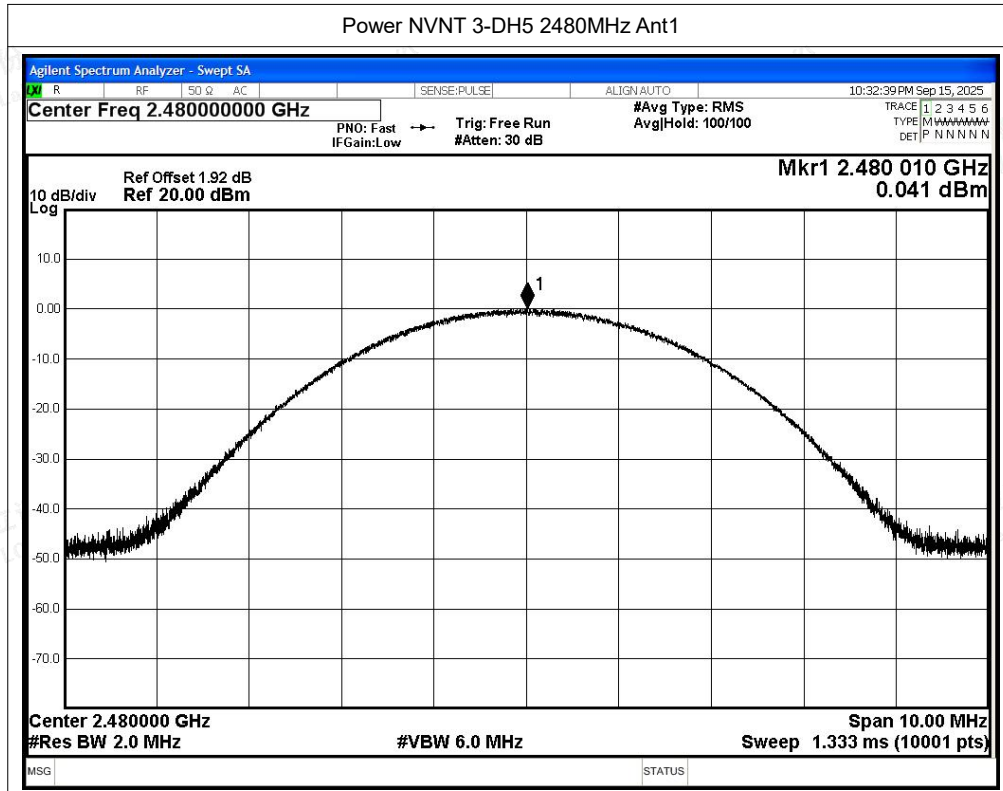
Power NVNT 1-DH5 2441MHz Ant1













A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.036	2402.83	0.794	0.646	Pass
NVNT	2-DH5	Ant1	2401.988	2403.11	1.122	0.856	Pass
NVNT	3-DH5	Ant1	2402.02	2402.996	0.976	0.858	Pass

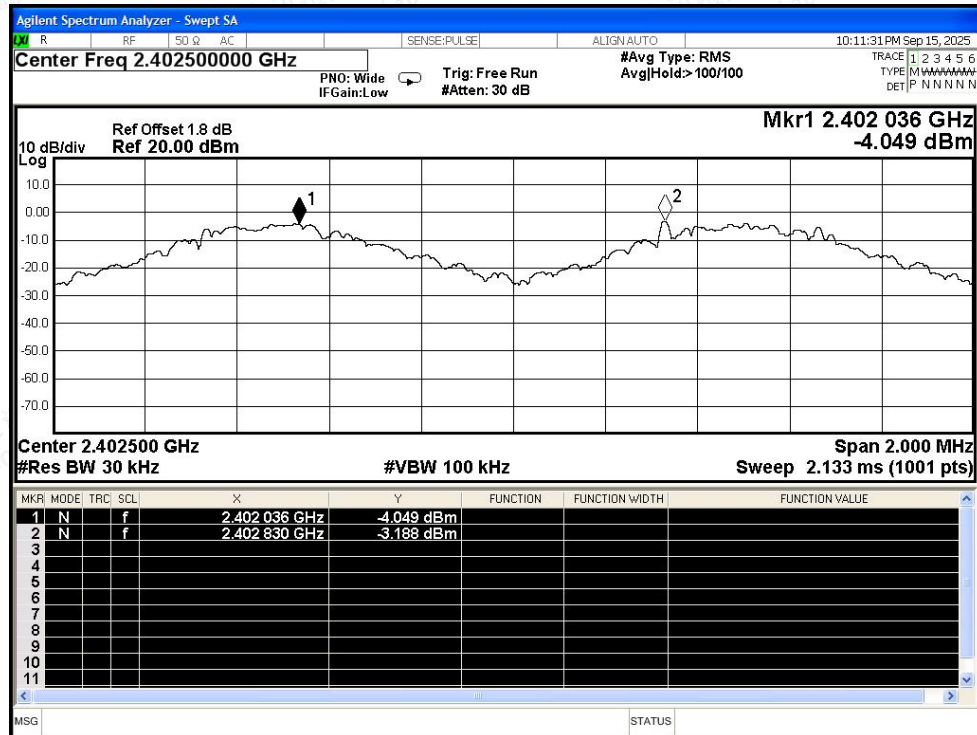


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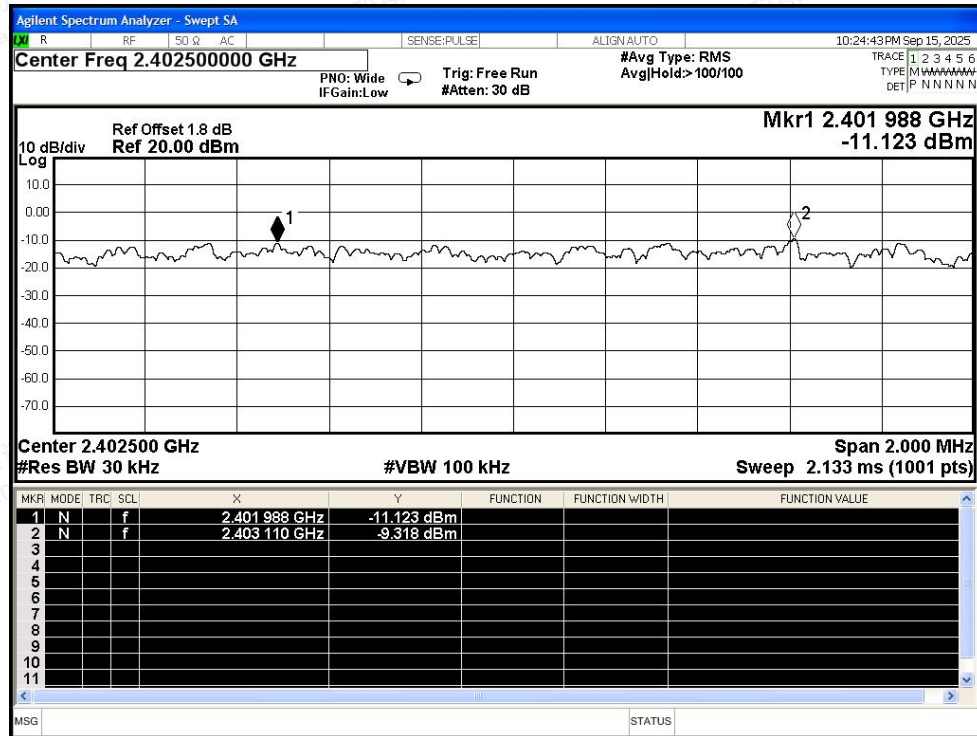


Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1

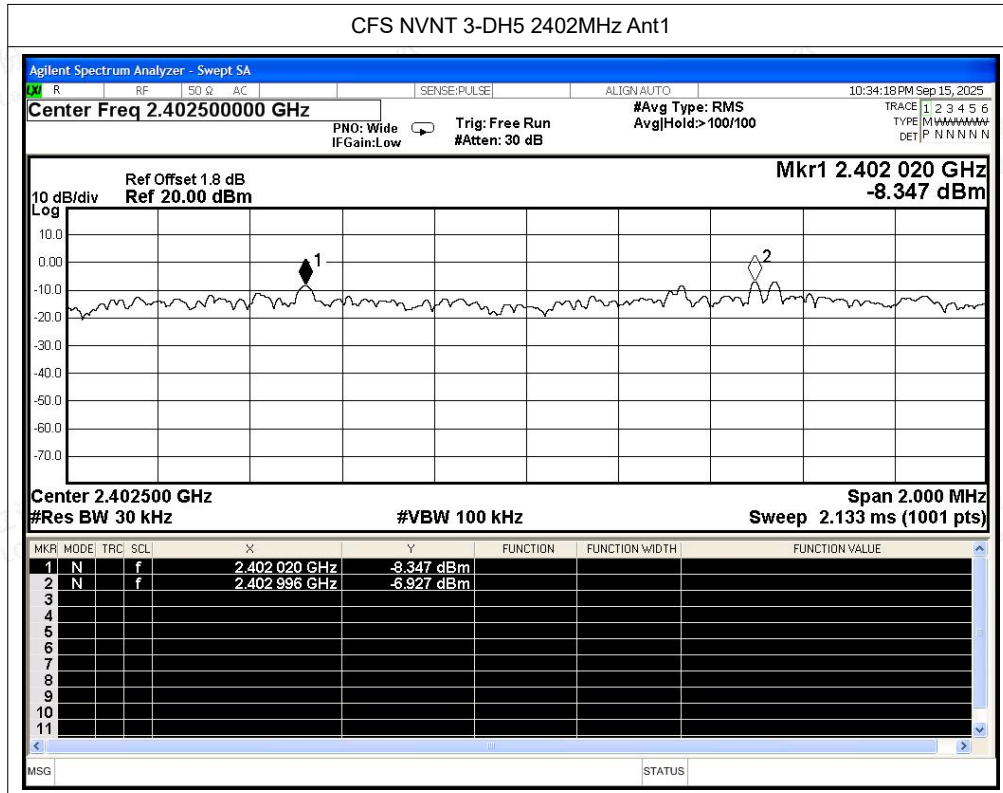


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A.4 Dwell Time

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	2.91	349.2	120	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.898	292.698	101	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.897	295.494	102	31600	400	Pass

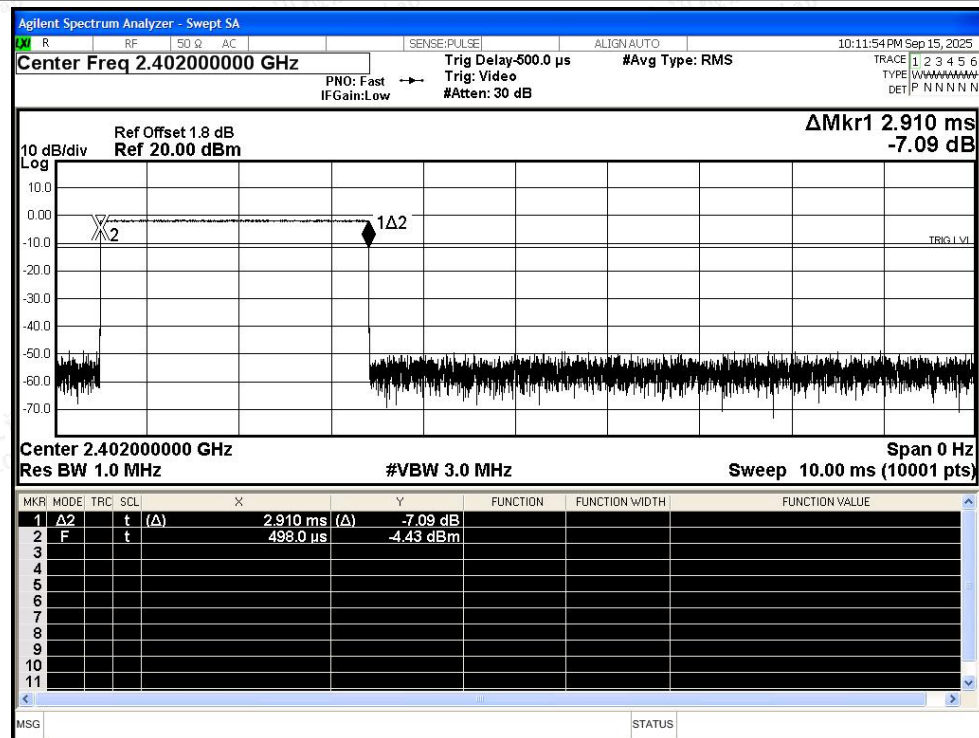


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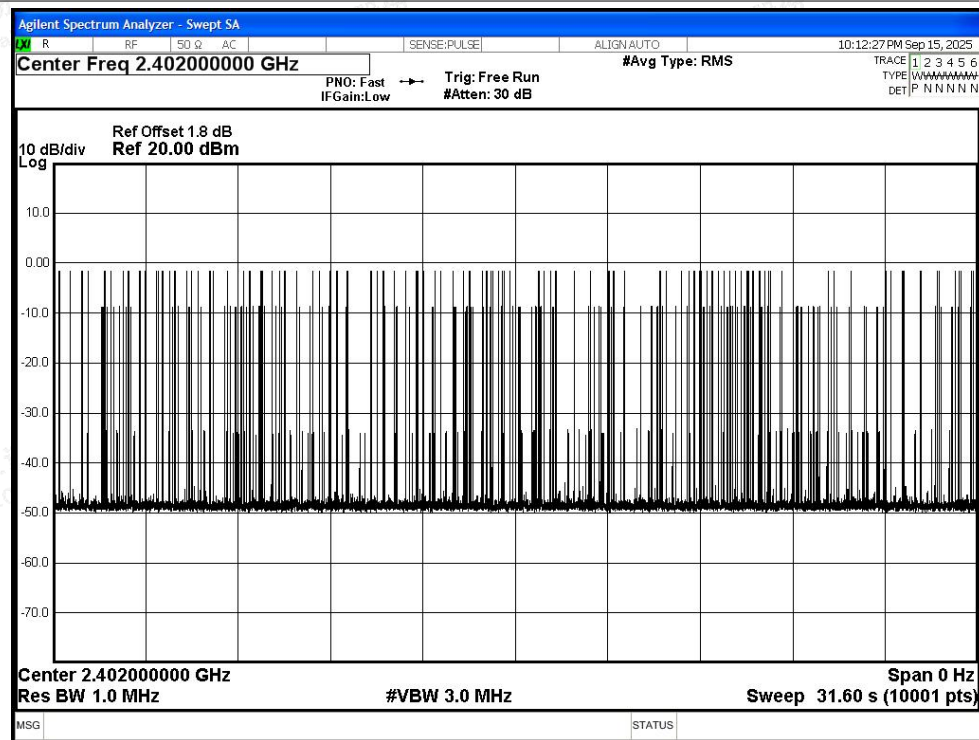


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



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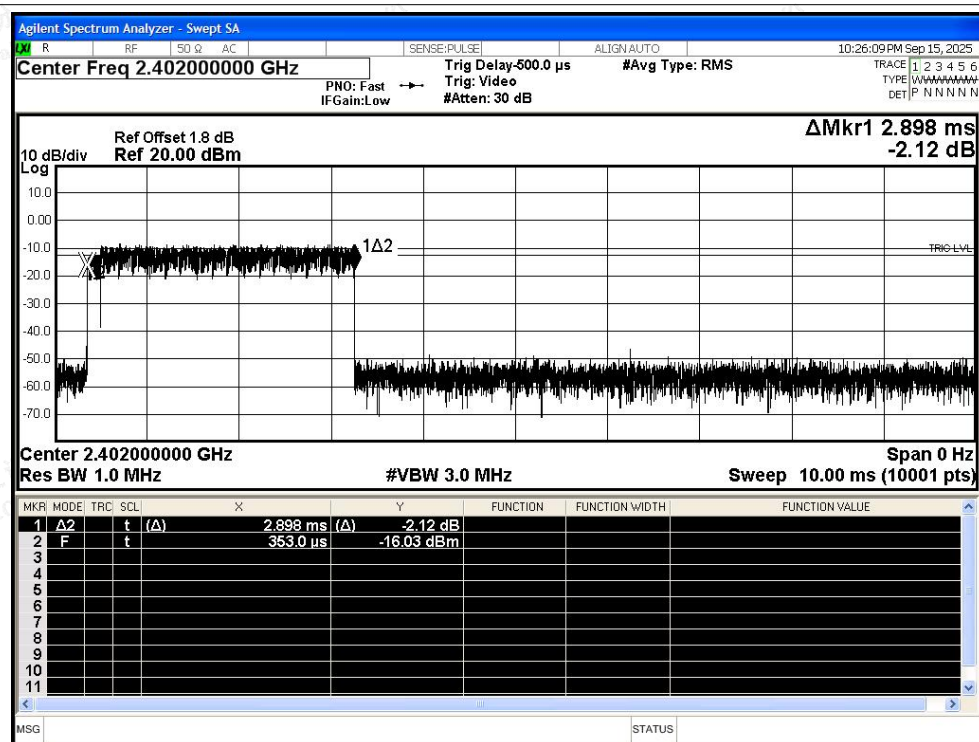
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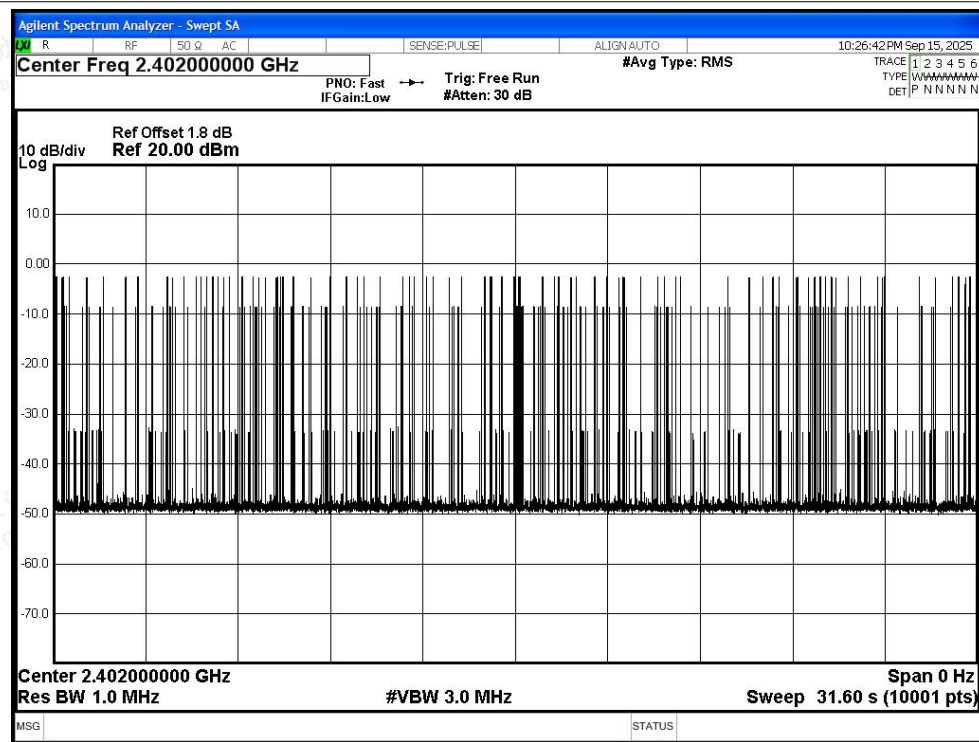
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Dwell NVNT 2-DH5 2402MHz Ant1 One Burst

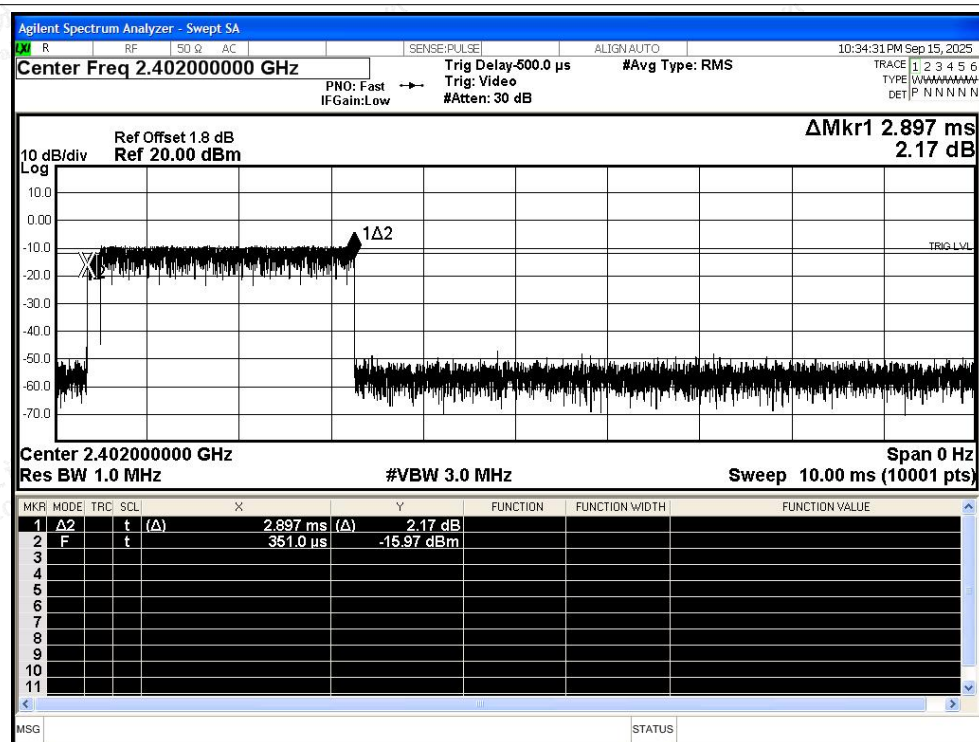


Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated

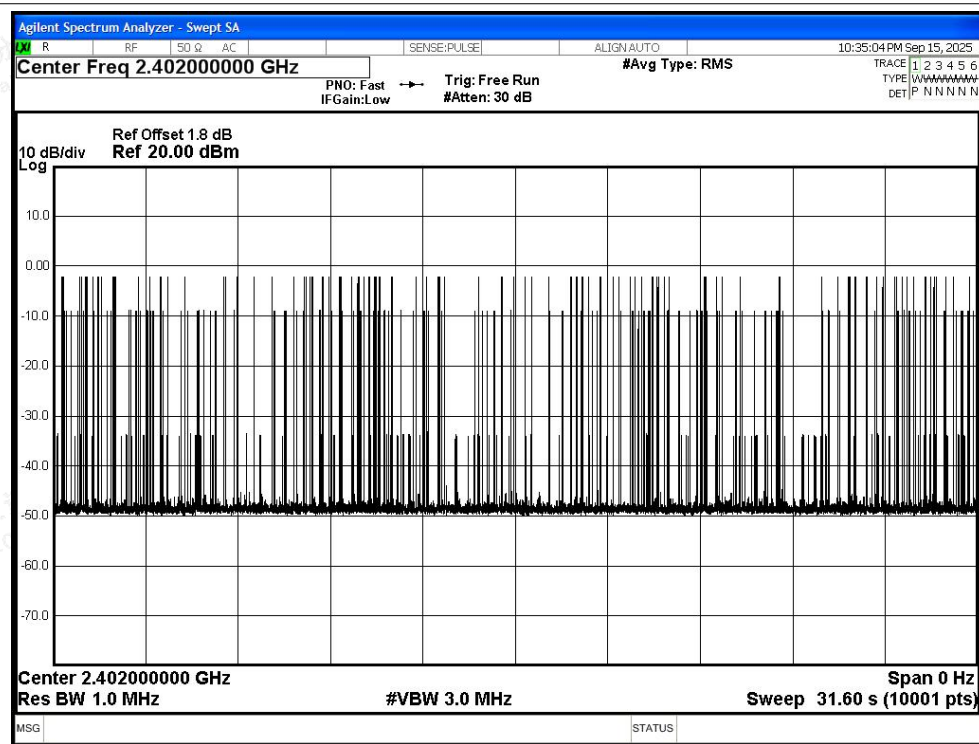




Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated





A.5 Number of Hopping Channel

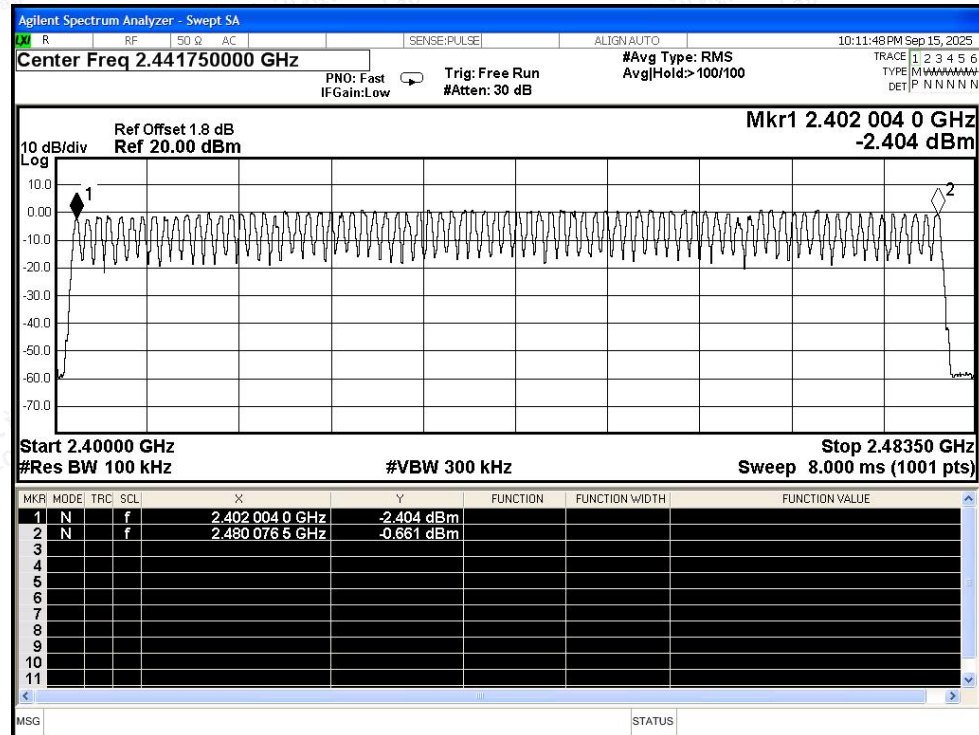
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass



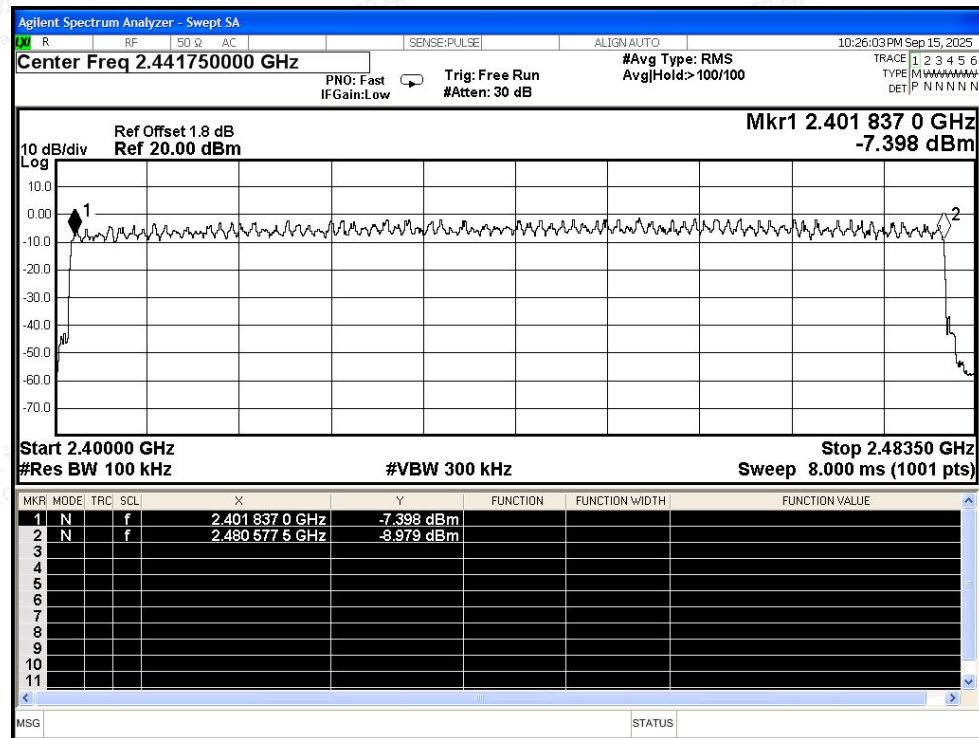


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1

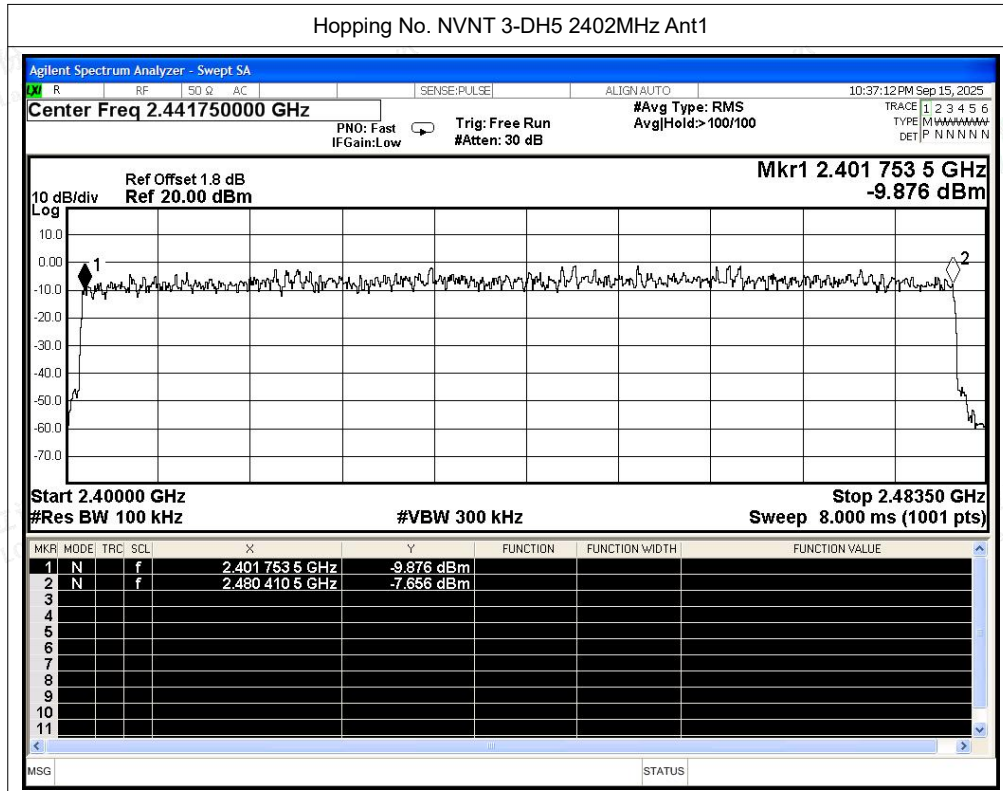


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A.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-54.64	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-57.18	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-50.04	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-53	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-51.69	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-54.91	-20	Pass

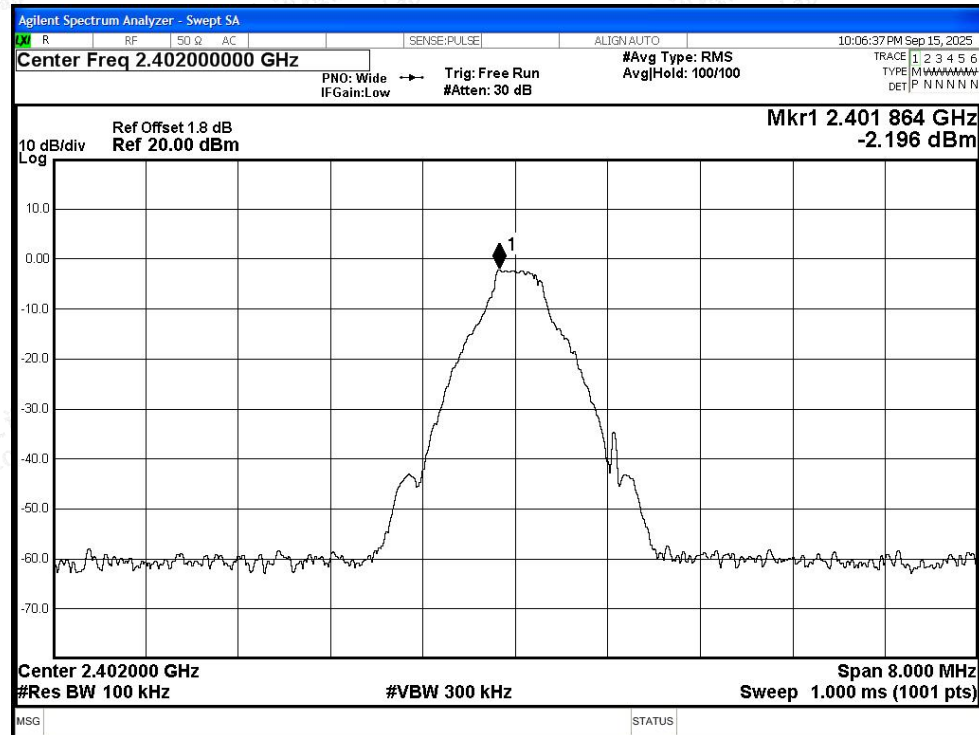


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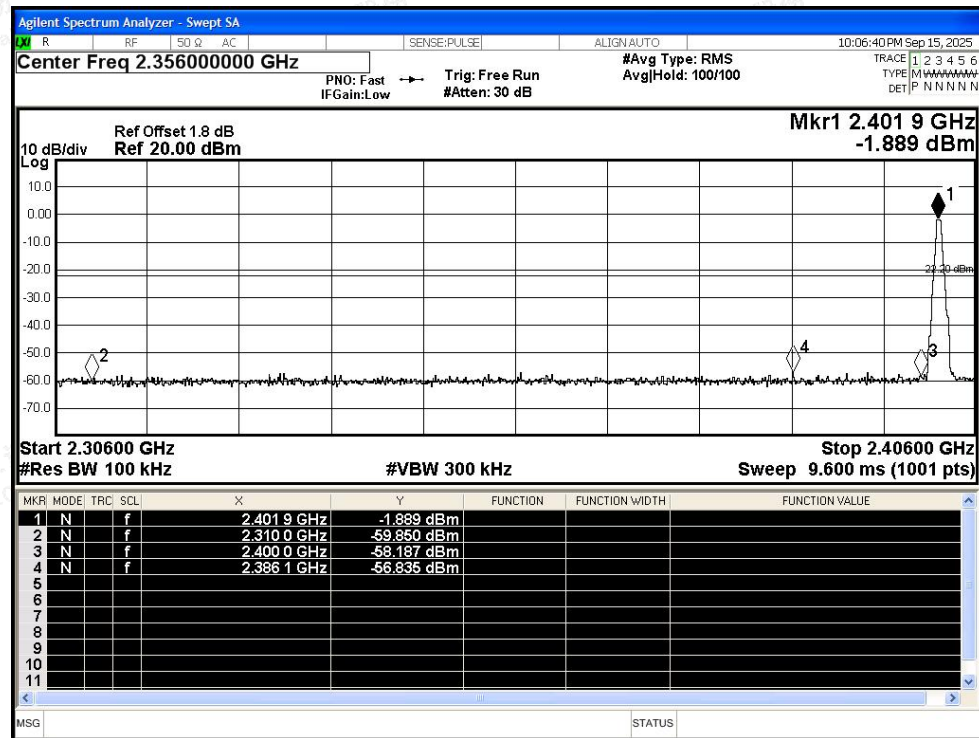


Test Graphs

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



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

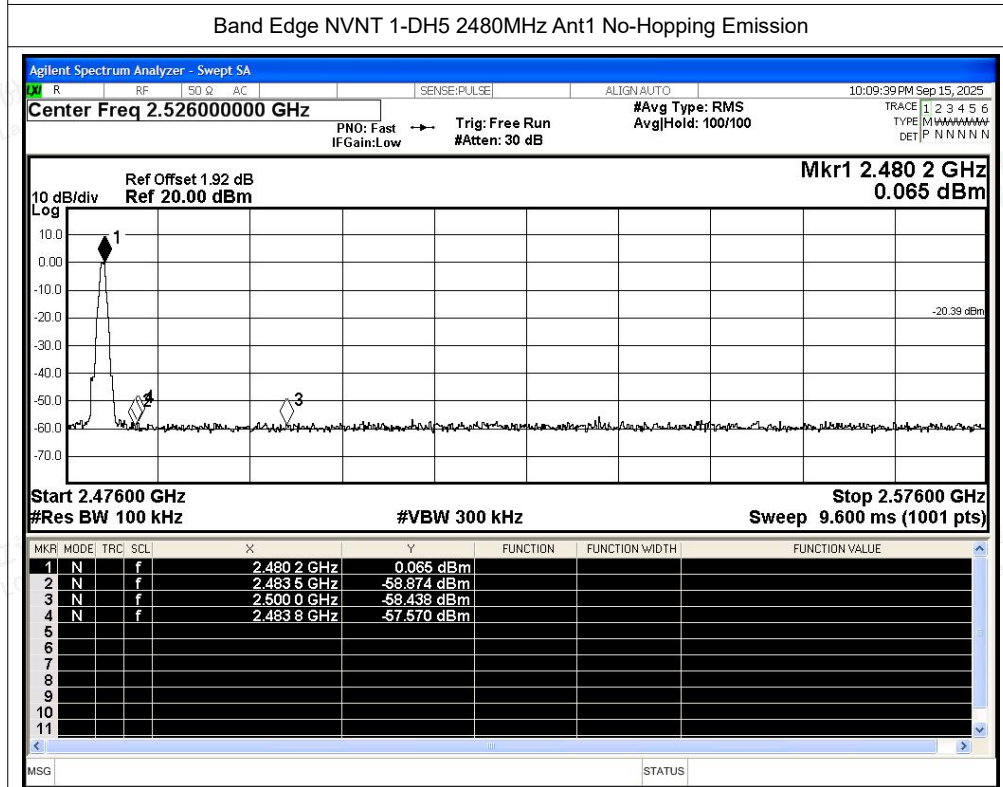
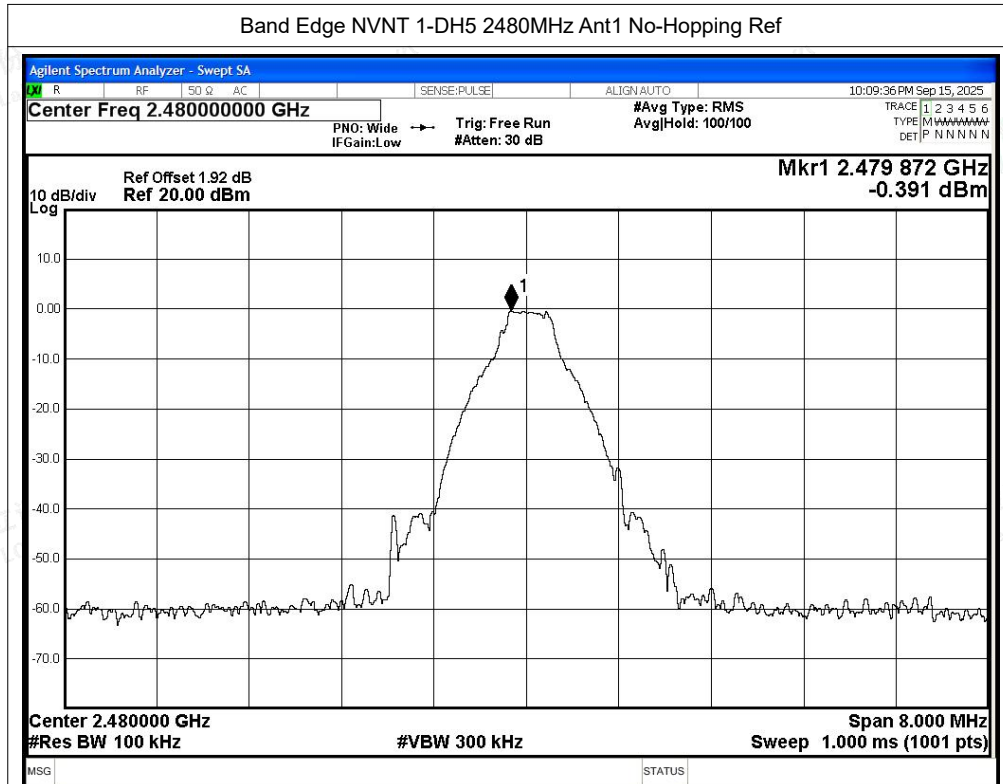


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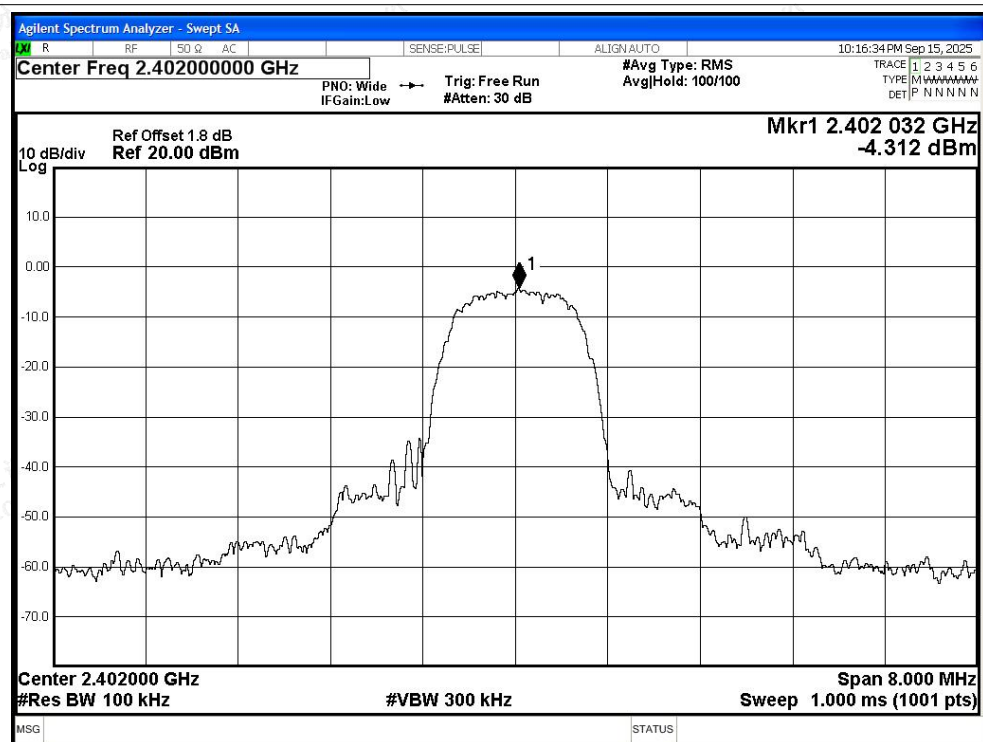
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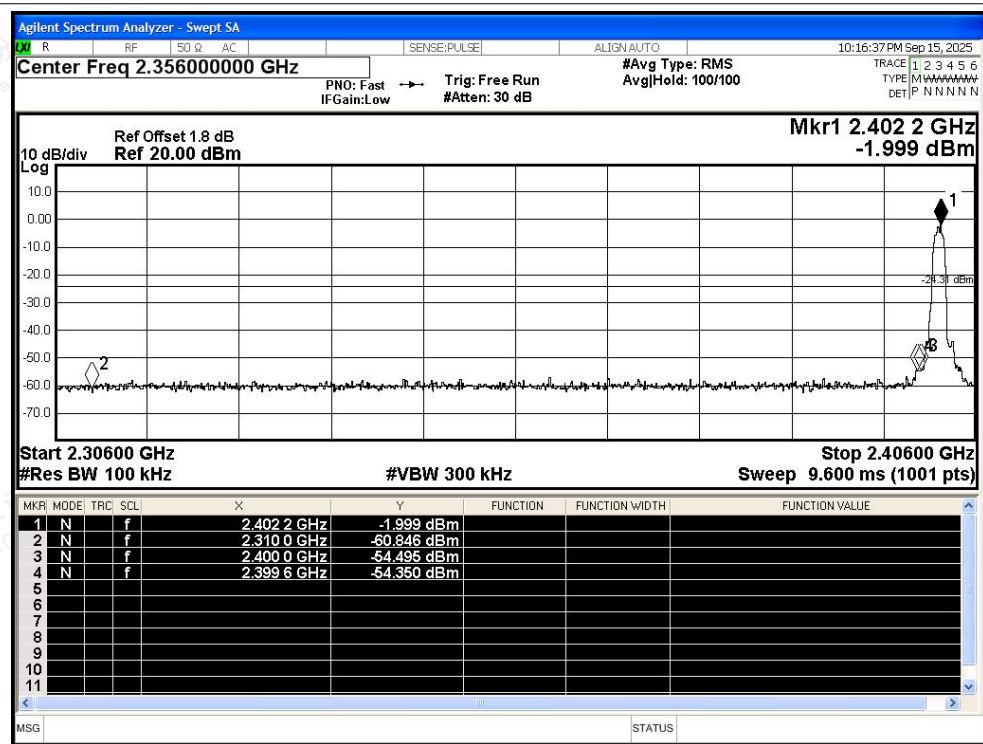
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Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



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

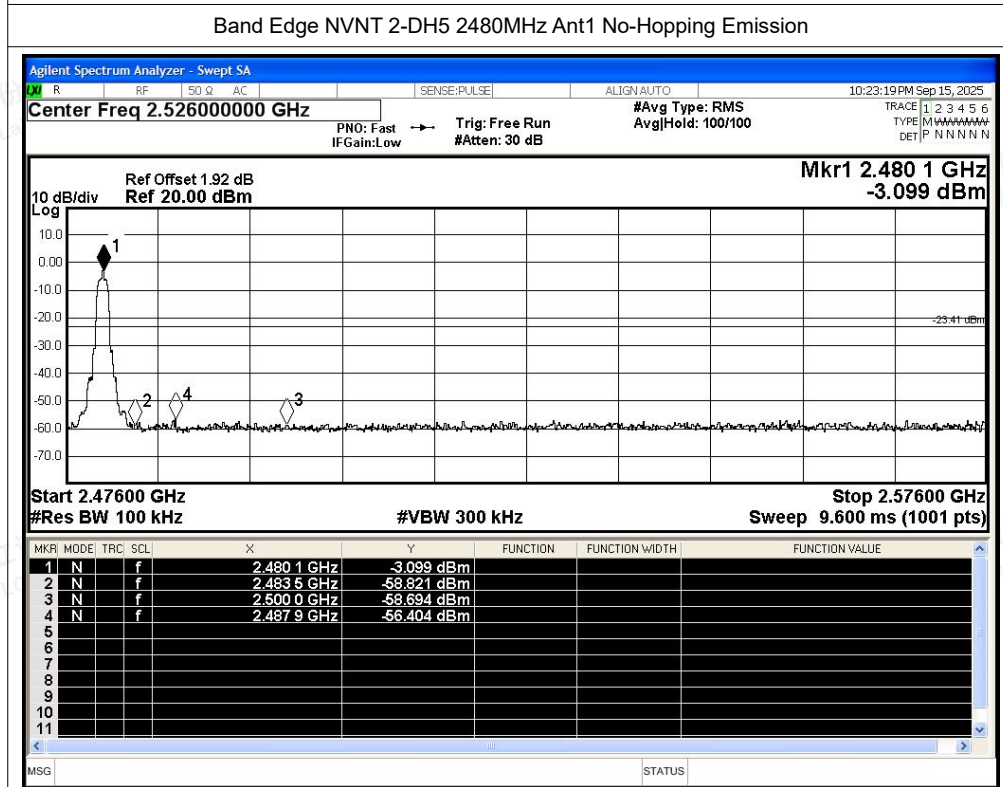
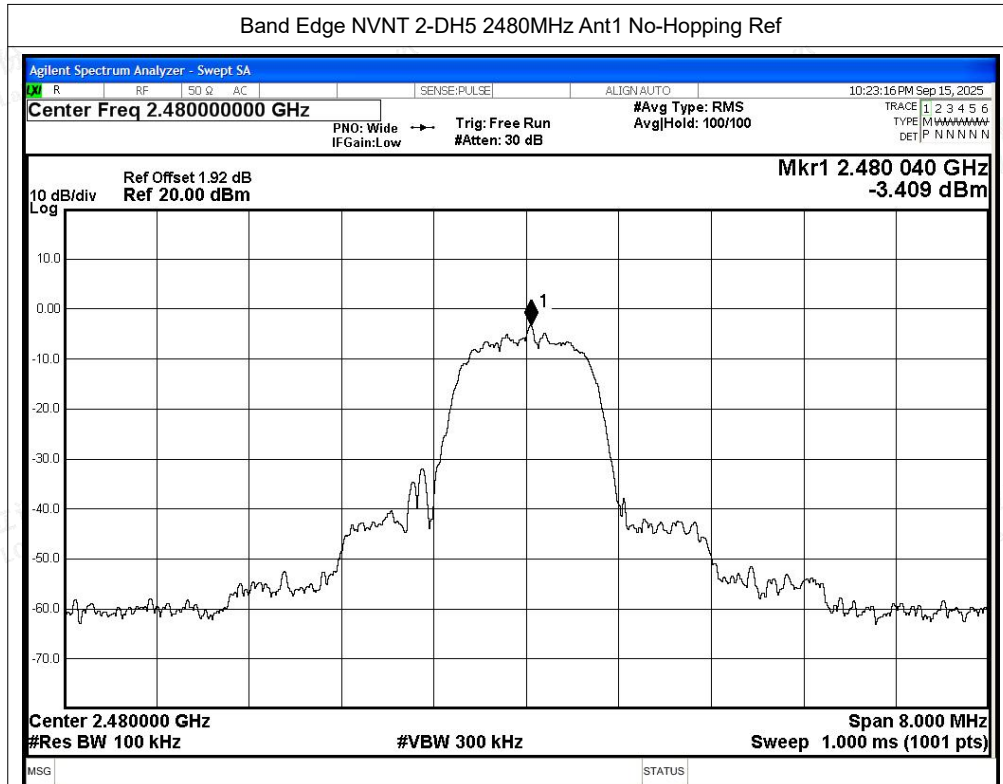


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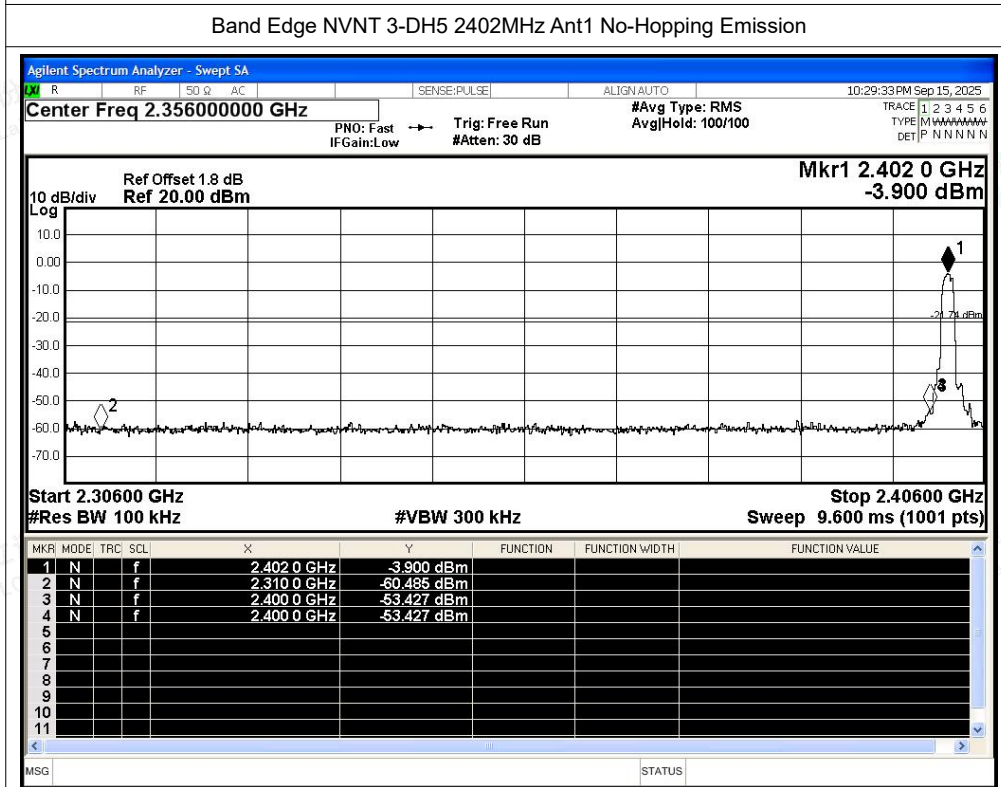
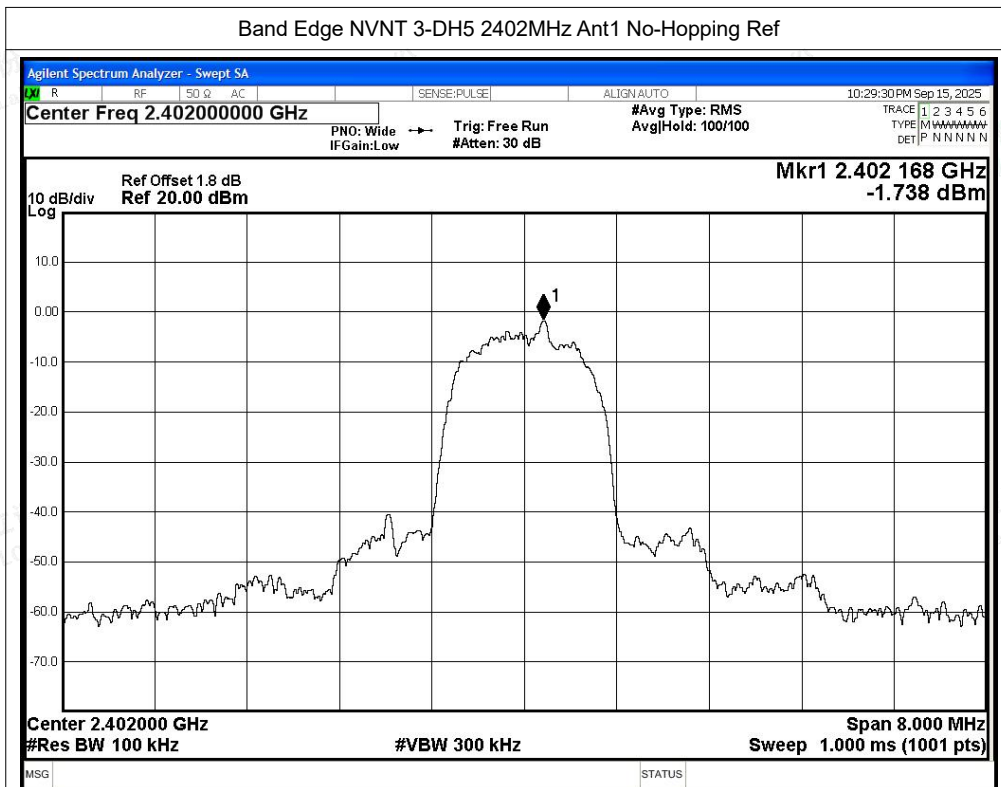


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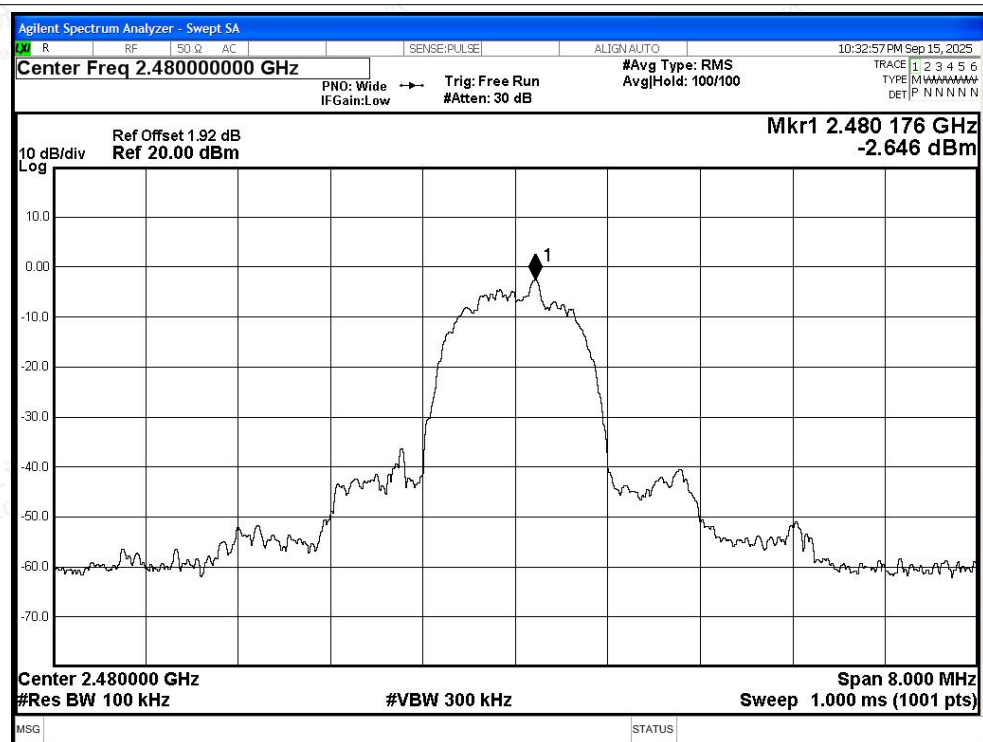
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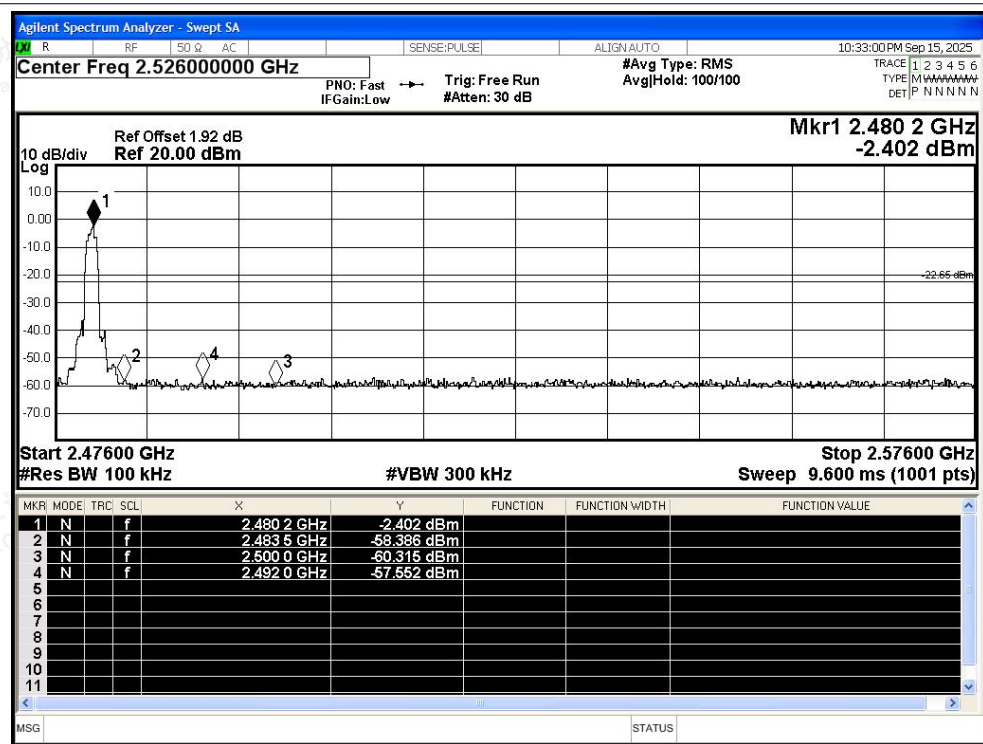




Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



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	-55.07	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-55.78	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-51.69	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-53.63	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-52.04	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-53.01	-20	Pass

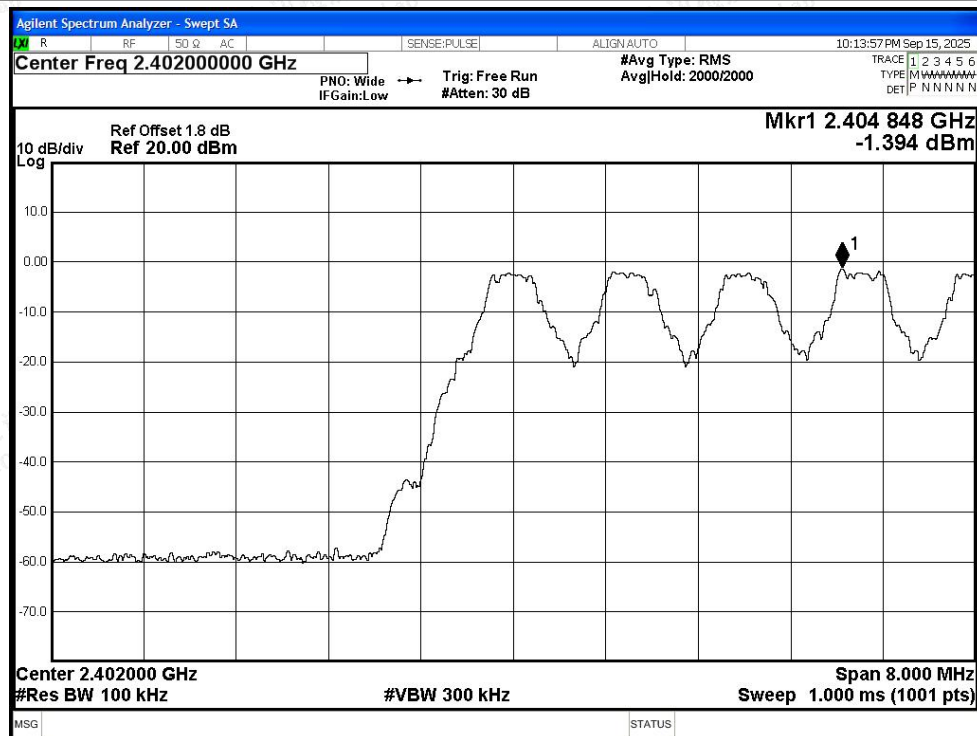


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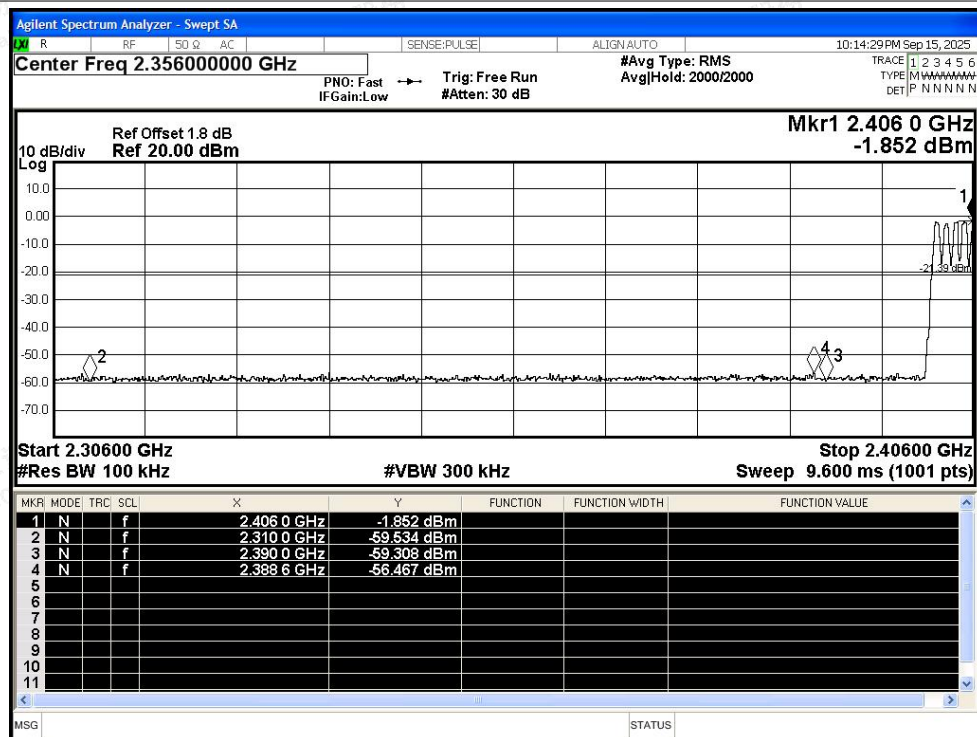


Test Graphs

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



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



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