



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Projection Light

Test Model: HA-XKD01

Environmental Conditions

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





A.1 20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	20 dB Bandwidth (MHz)	Limit 20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1.009	N/A	Pass
NVNT	1-DH5	2441	Ant1	1.023	N/A	Pass
NVNT	1-DH5	2480	Ant1	1.014	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.276	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.279	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.322	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.277	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.296	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.299	N/A	Pass



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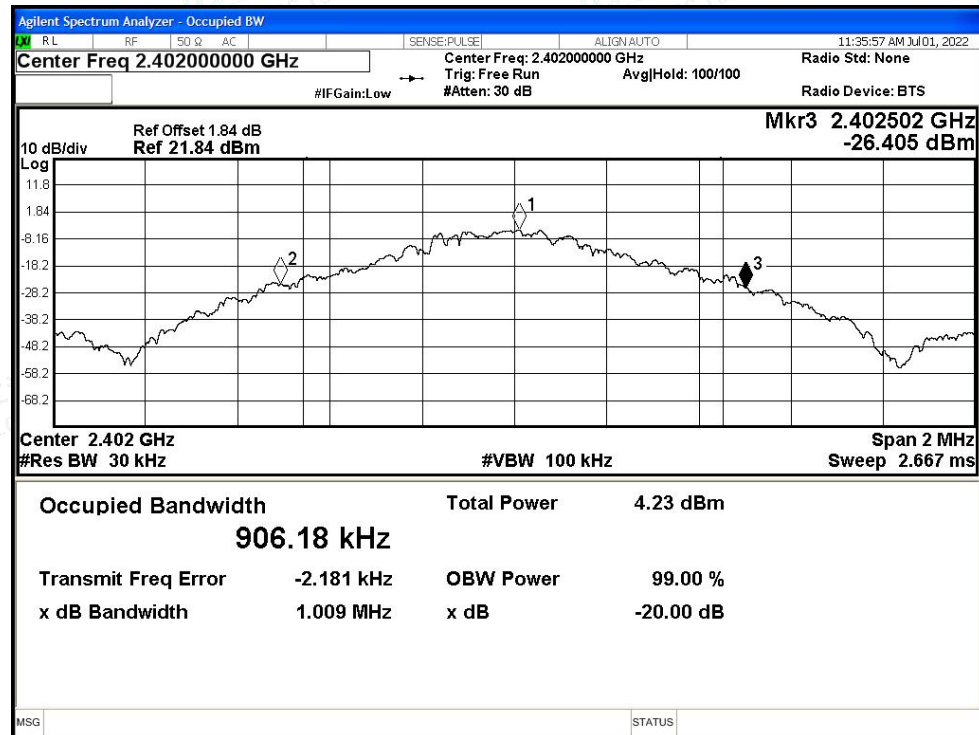
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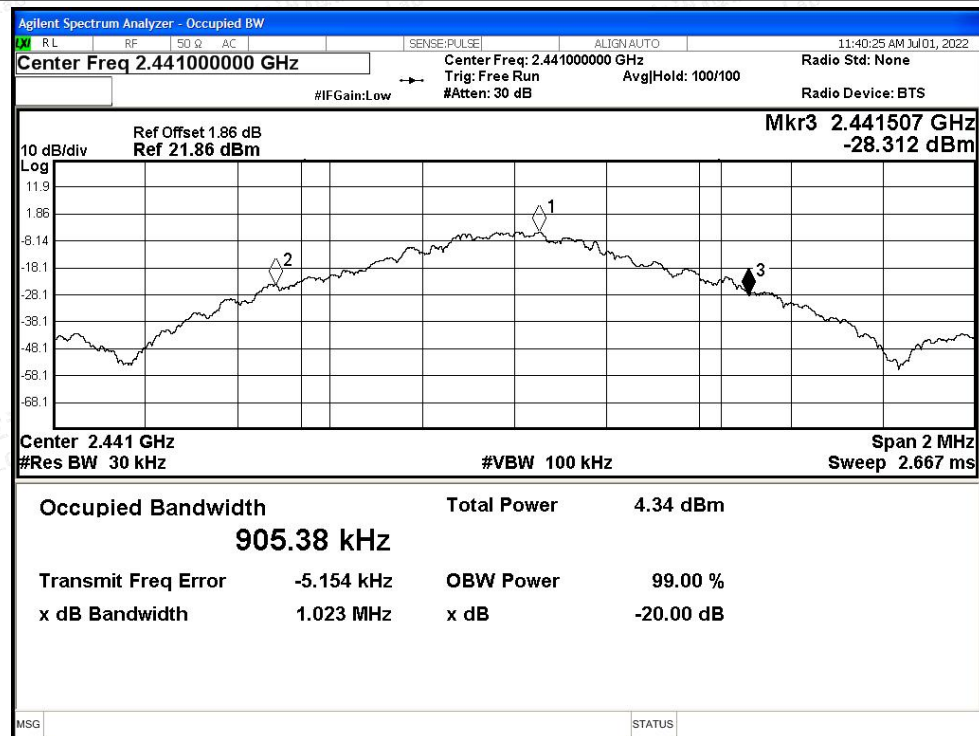


Test Graphs

20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



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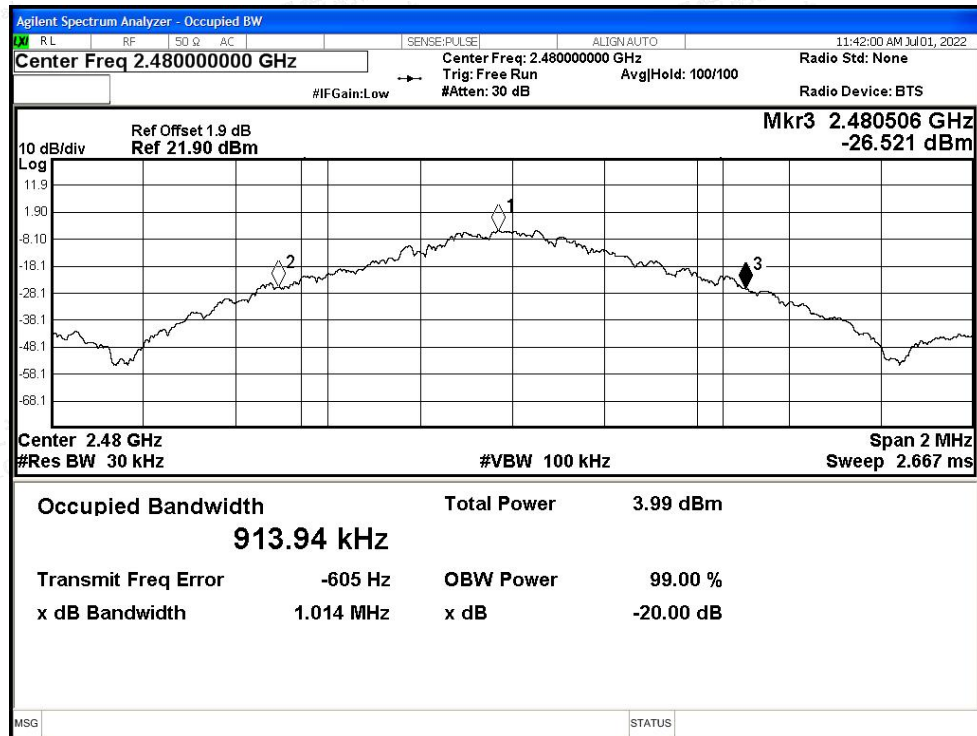
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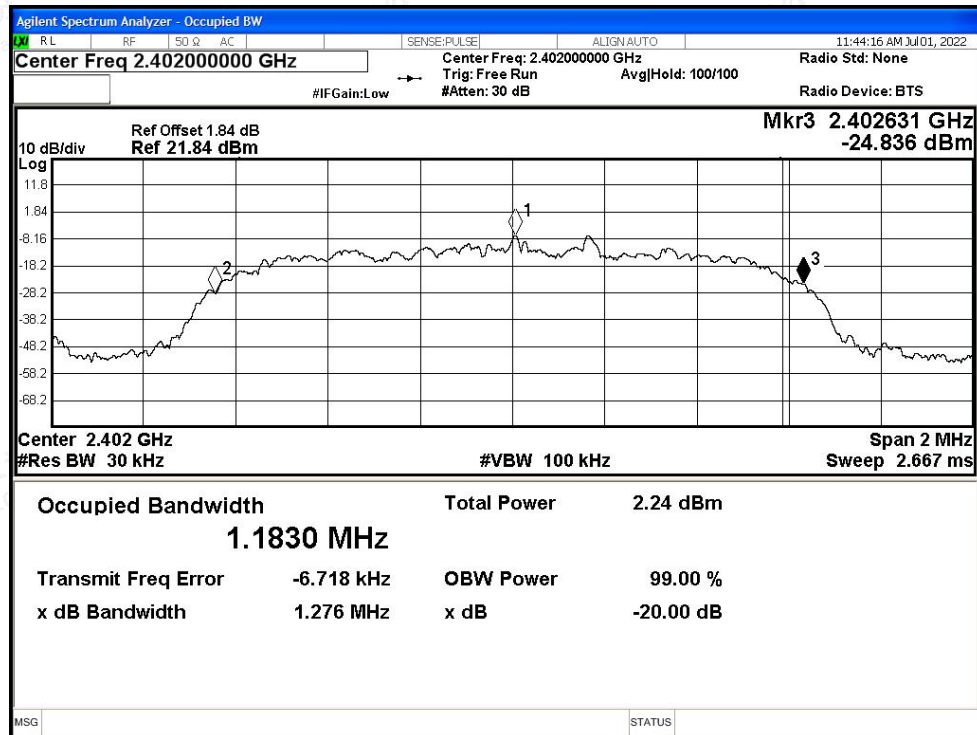
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20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



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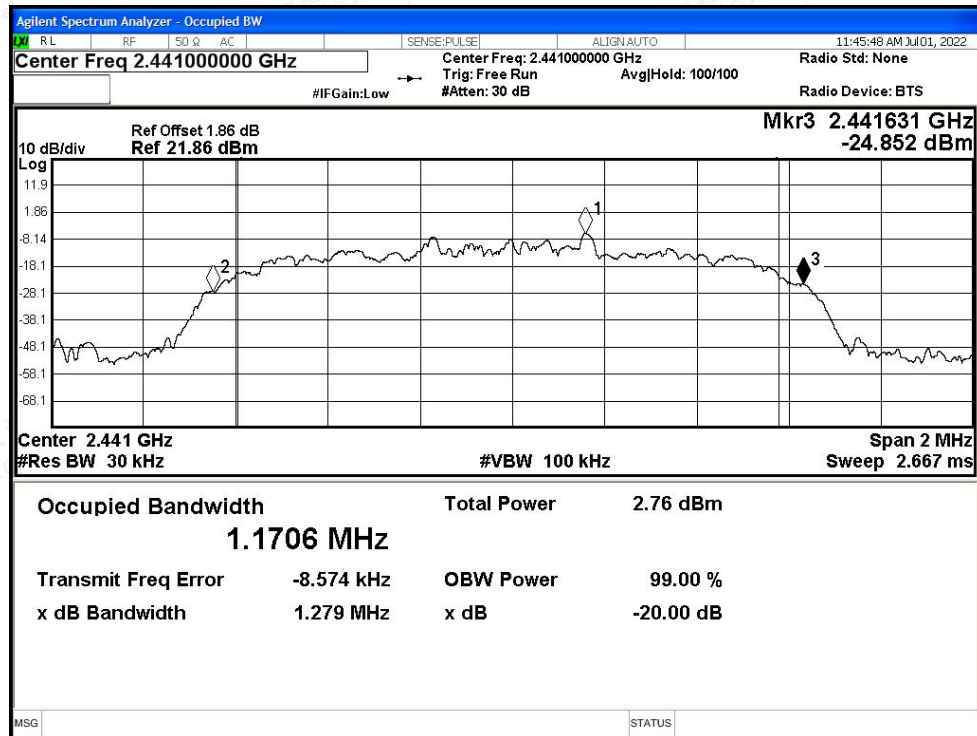
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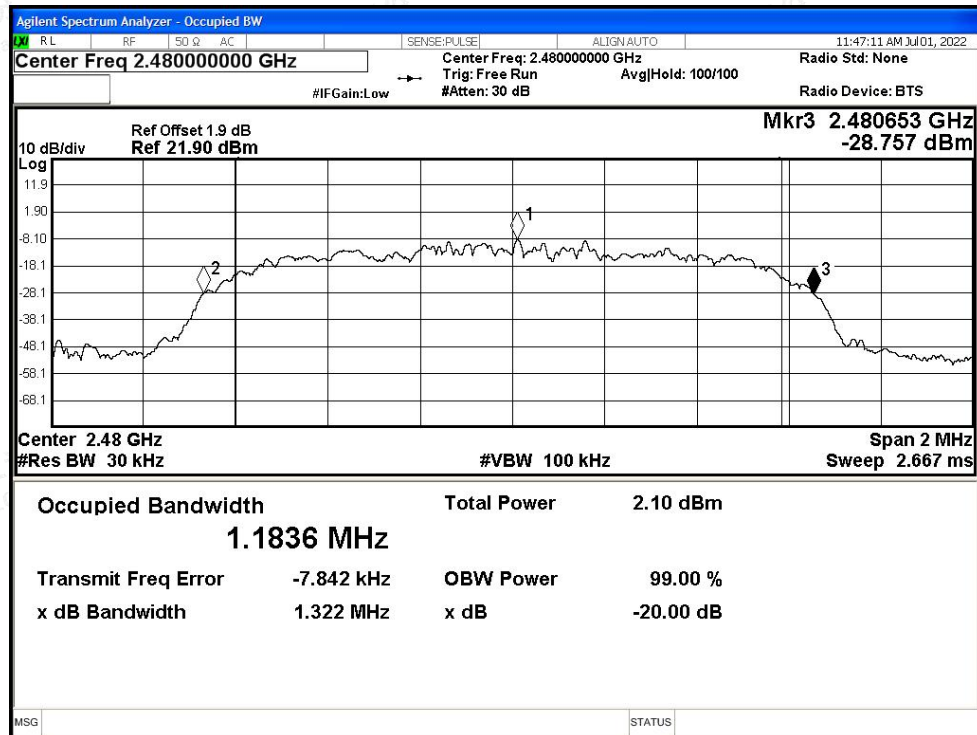
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20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



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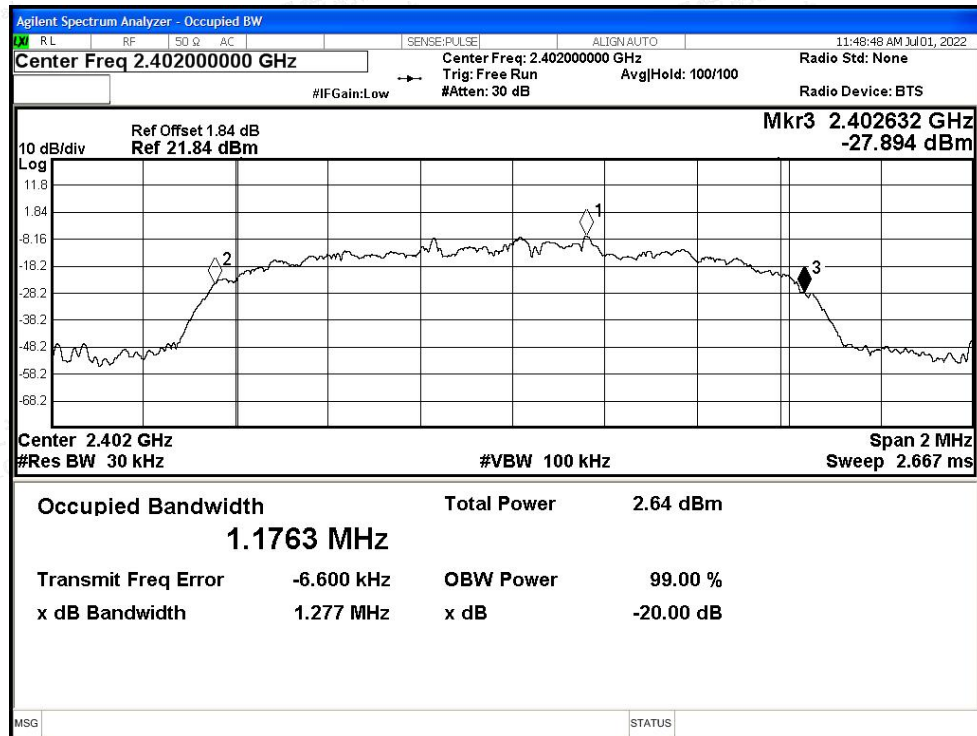
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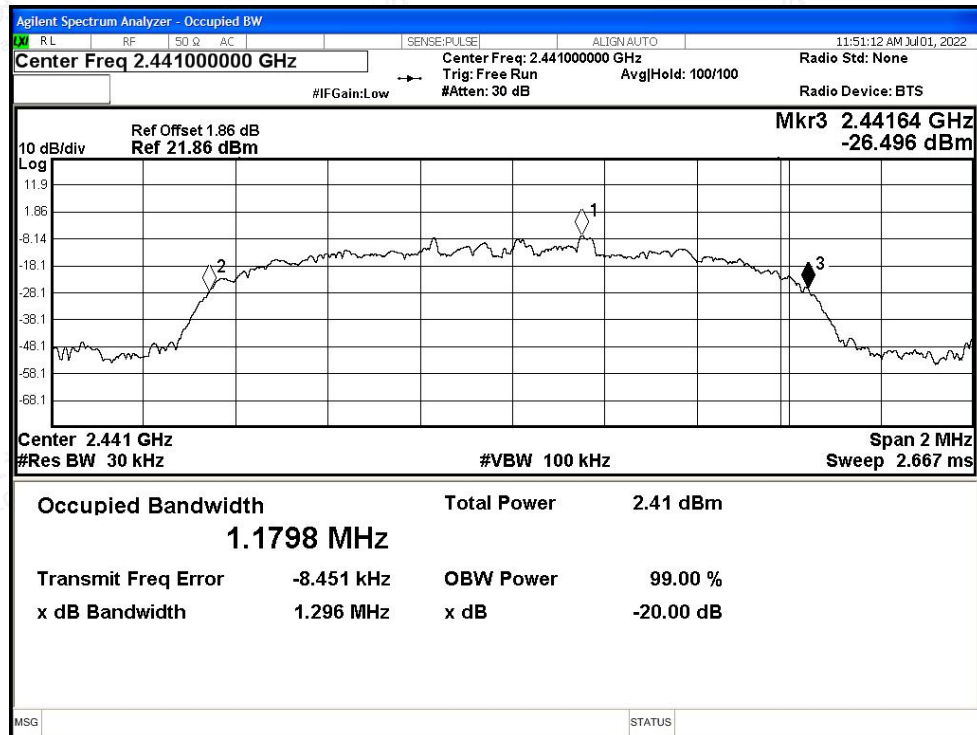
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20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



20dB Bandwidth NVNT 3-DH5 2441MHz Ant1

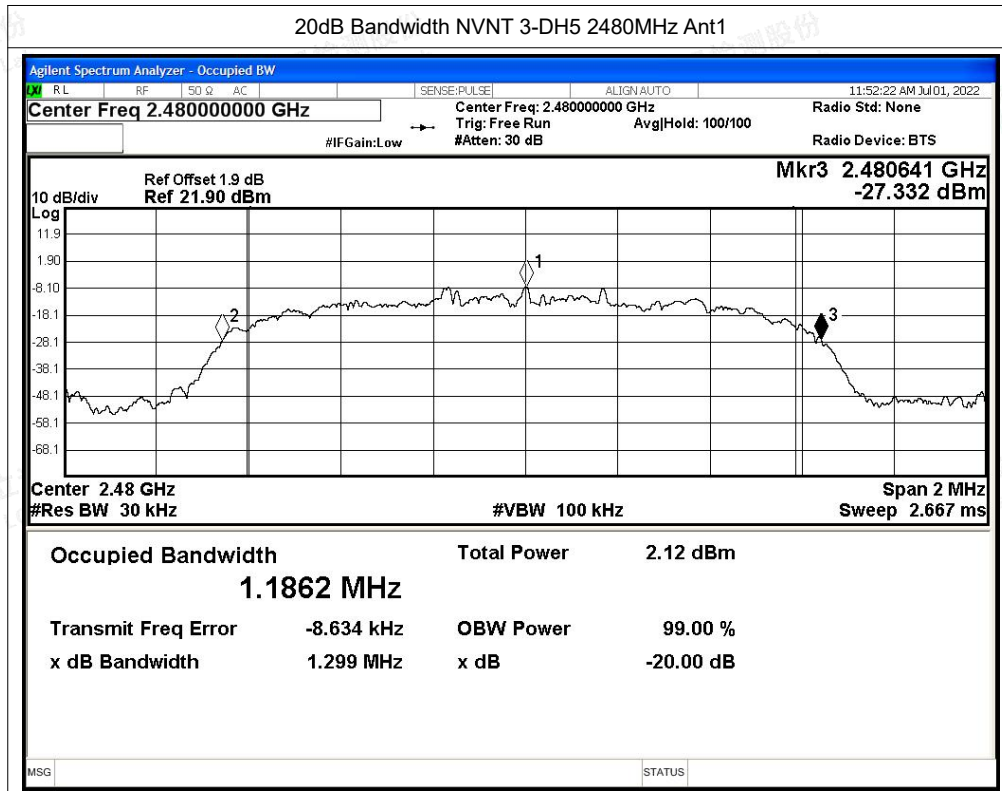


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A.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-1.89	21	Pass
NVNT	1-DH5	2441	Ant1	-1.78	21	Pass
NVNT	1-DH5	2480	Ant1	-1.97	21	Pass
NVNT	2-DH5	2402	Ant1	-2.18	21	Pass
NVNT	2-DH5	2441	Ant1	-2.09	21	Pass
NVNT	2-DH5	2480	Ant1	-2.17	21	Pass
NVNT	3-DH5	2402	Ant1	-2.04	21	Pass
NVNT	3-DH5	2441	Ant1	-1.94	21	Pass
NVNT	3-DH5	2480	Ant1	-2.11	21	Pass



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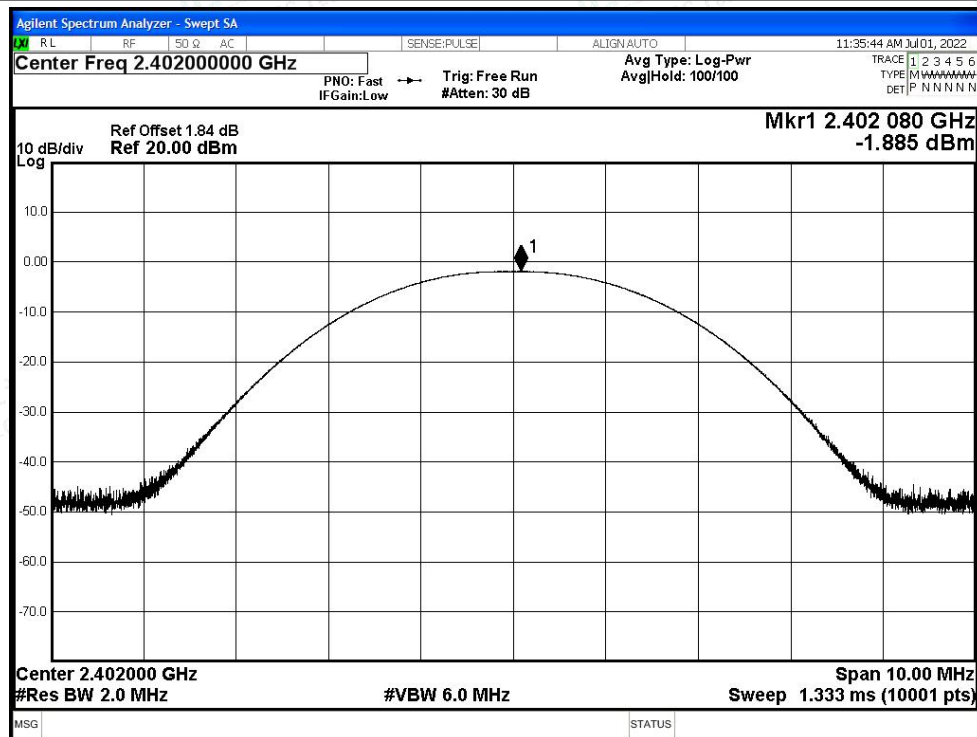
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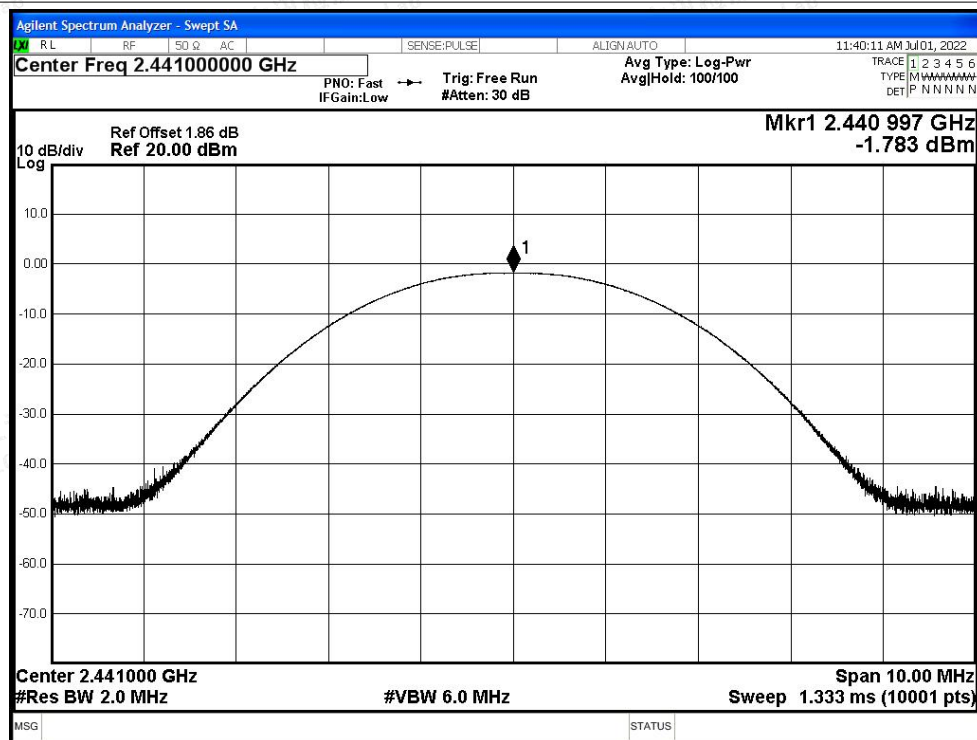


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1



Power NVNT 1-DH5 2441MHz Ant1

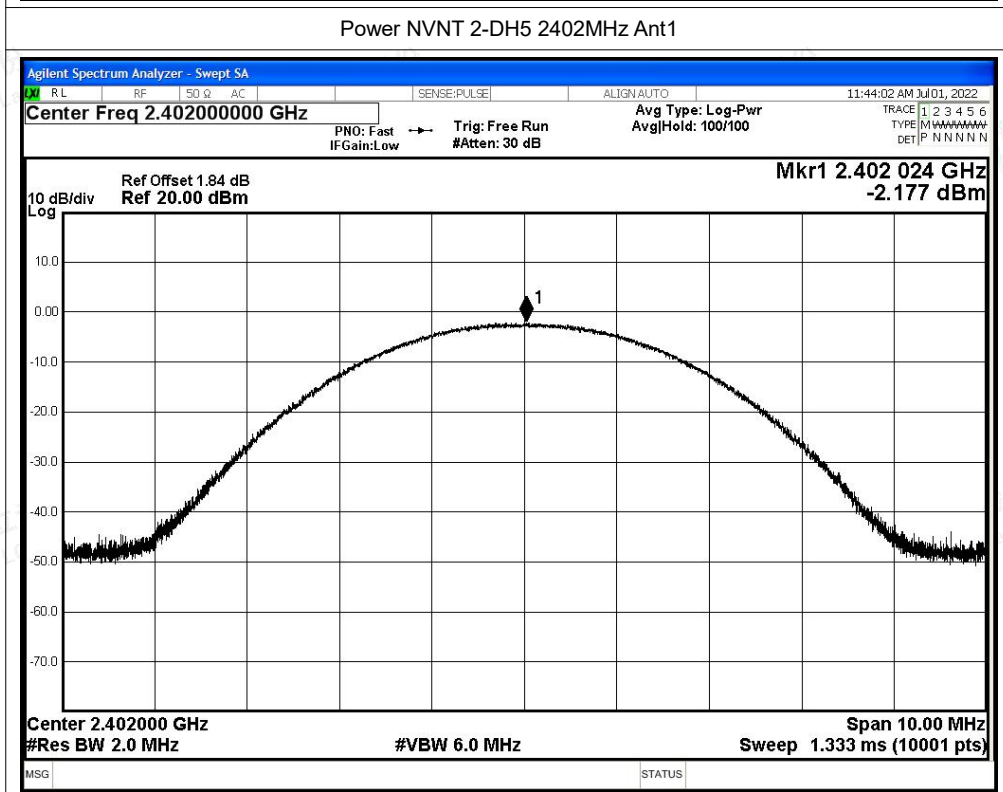
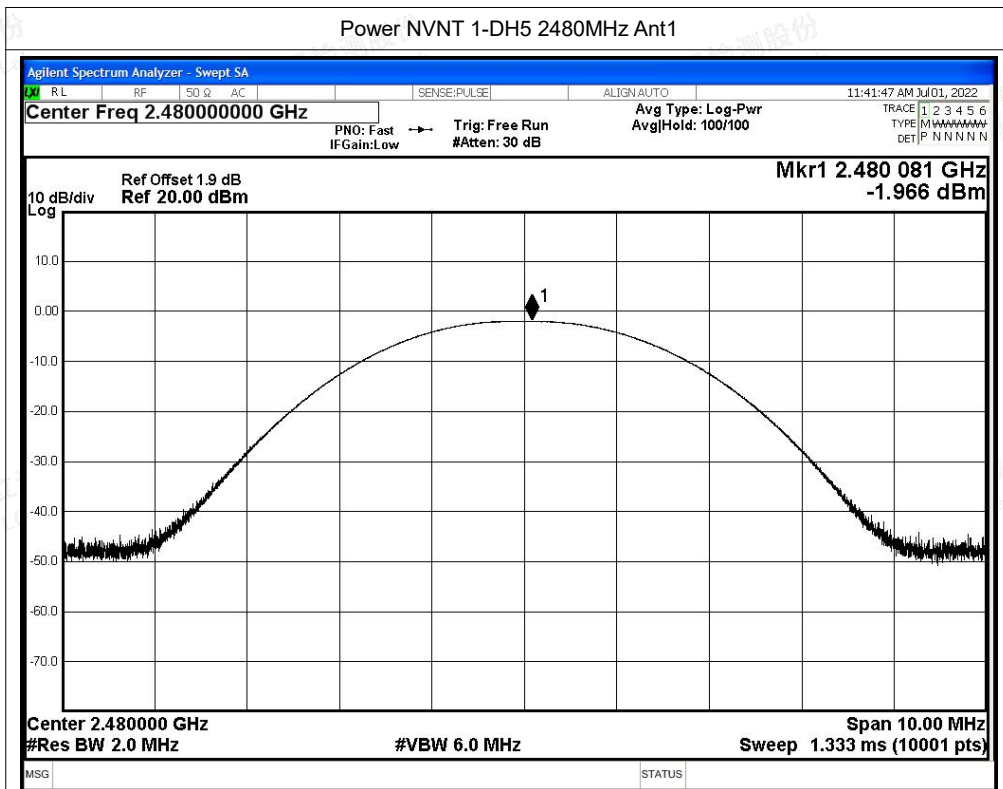


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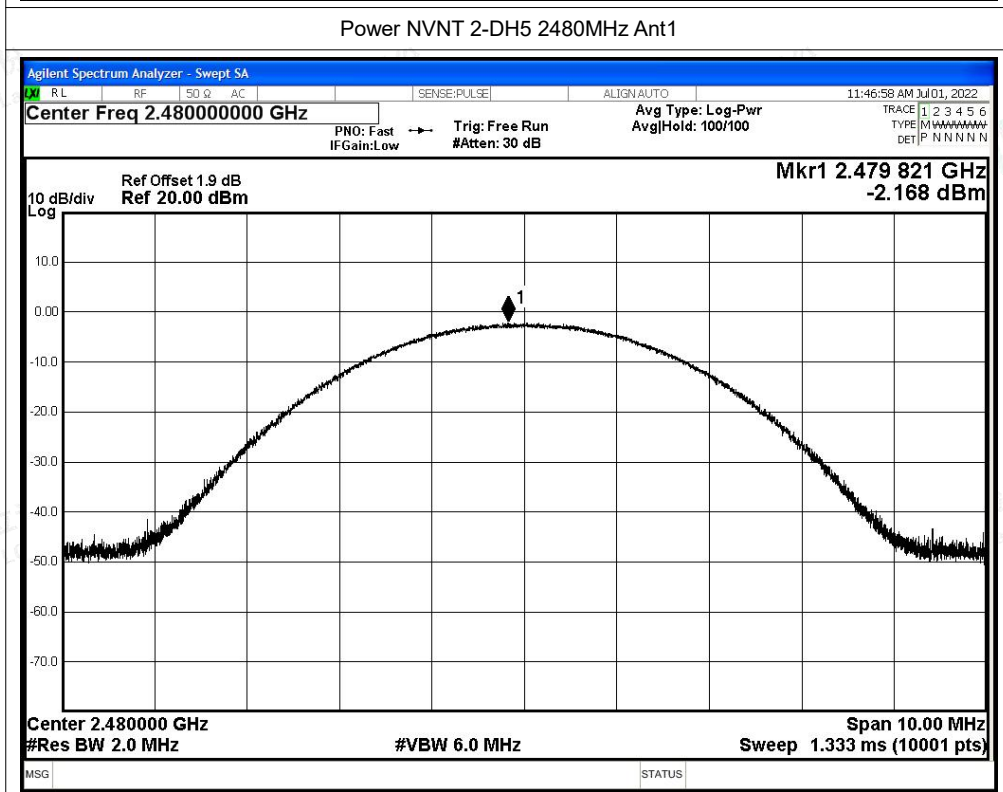
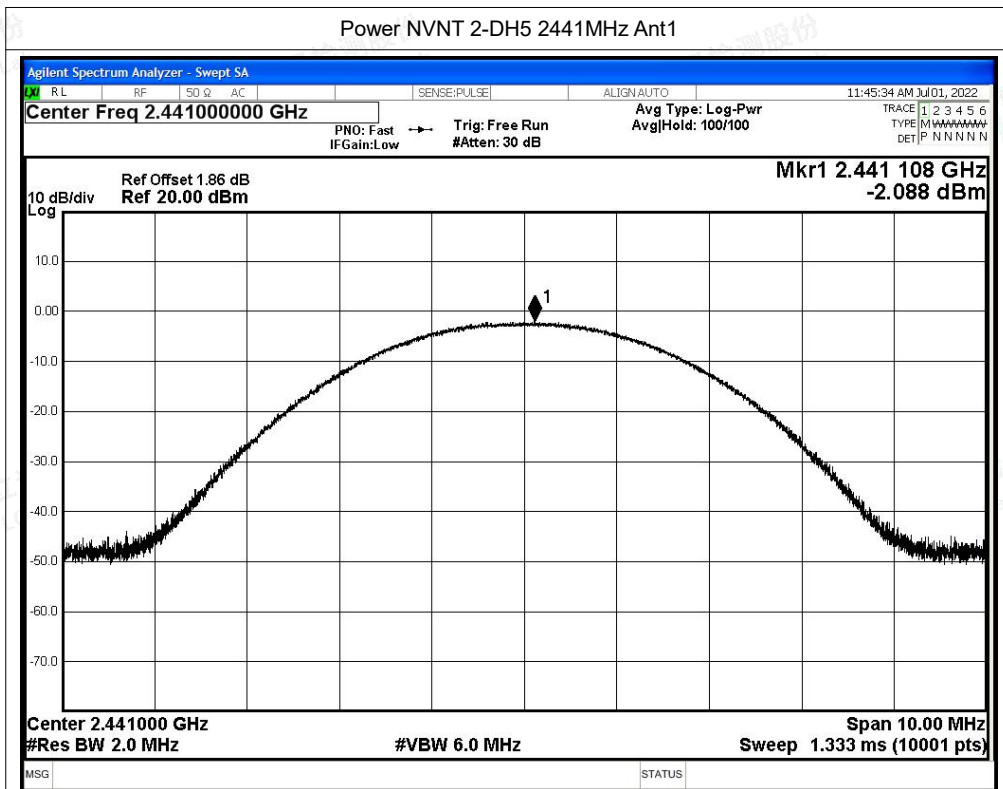


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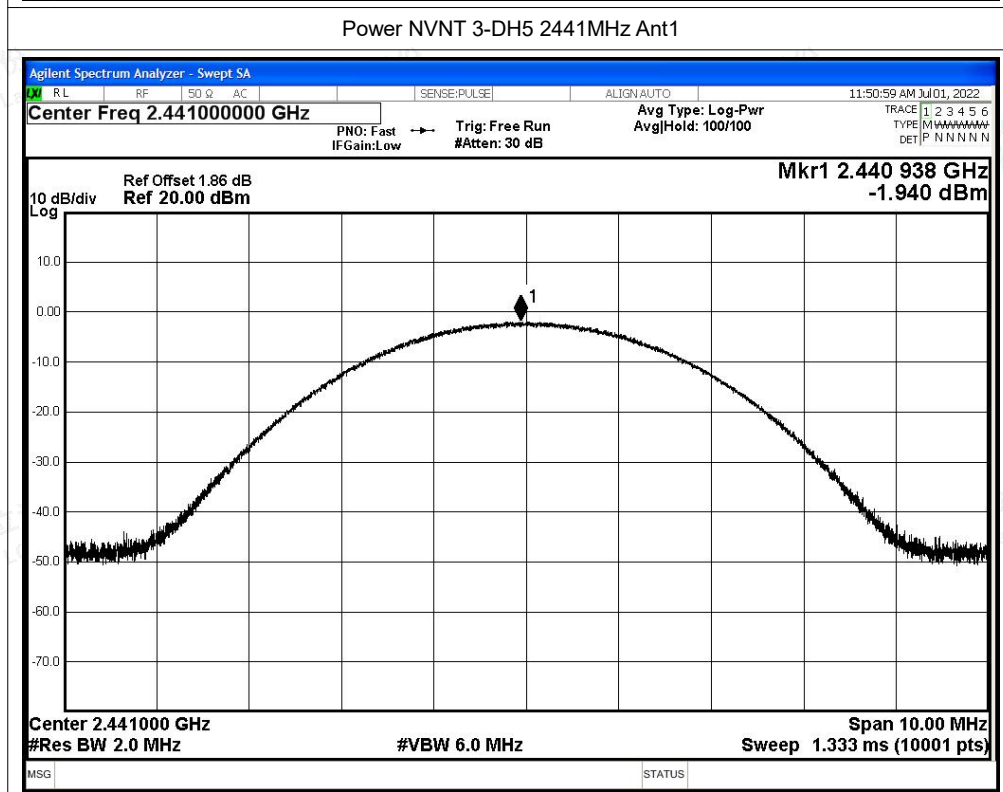
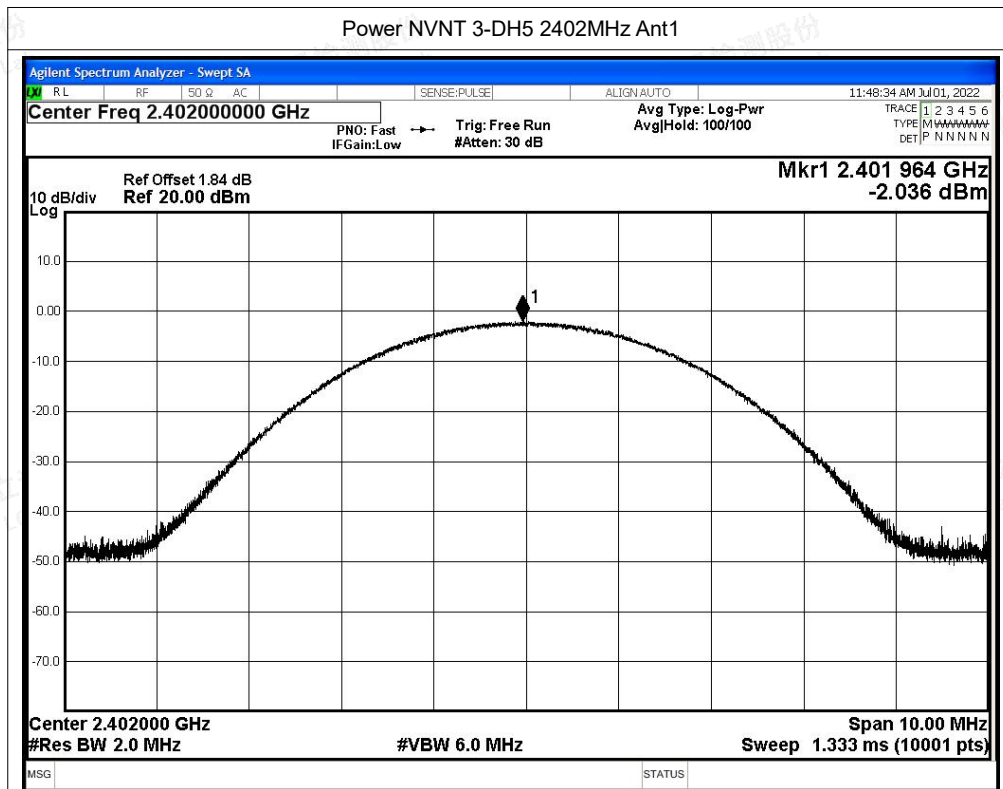


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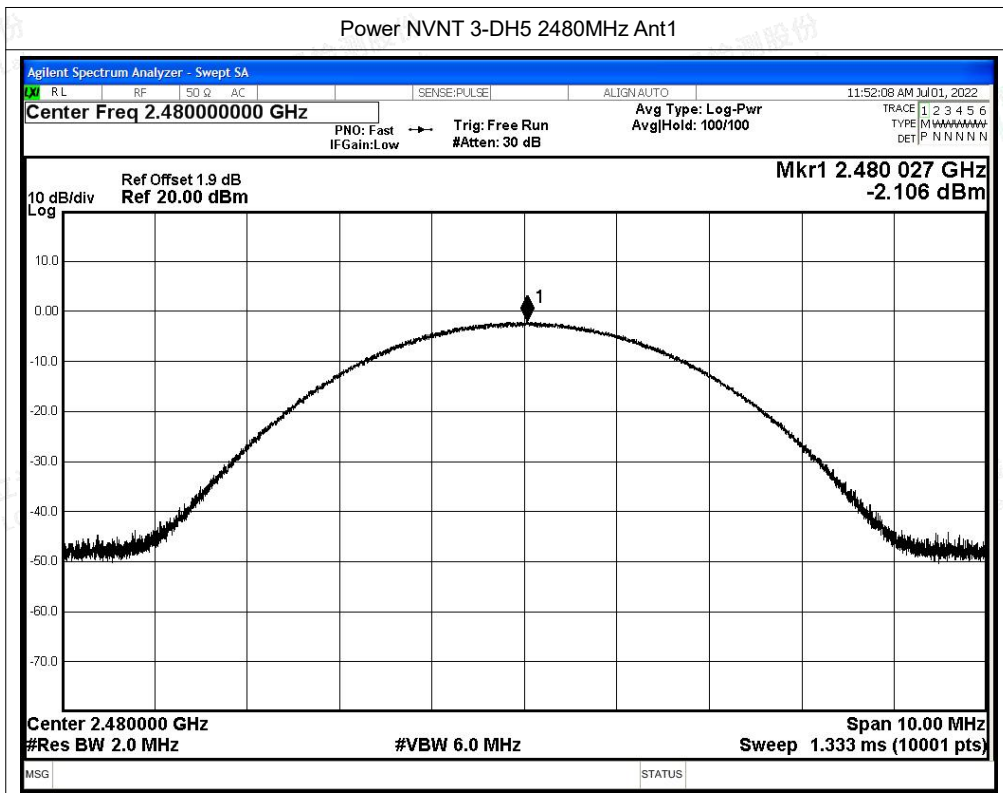


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A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.968	2402.968	1	0.673	Pass
NVNT	2-DH5	Ant1	2402.006	2403.01	1.004	0.851	Pass
NVNT	3-DH5	Ant1	2402.1	2403.016	0.916	0.851	Pass

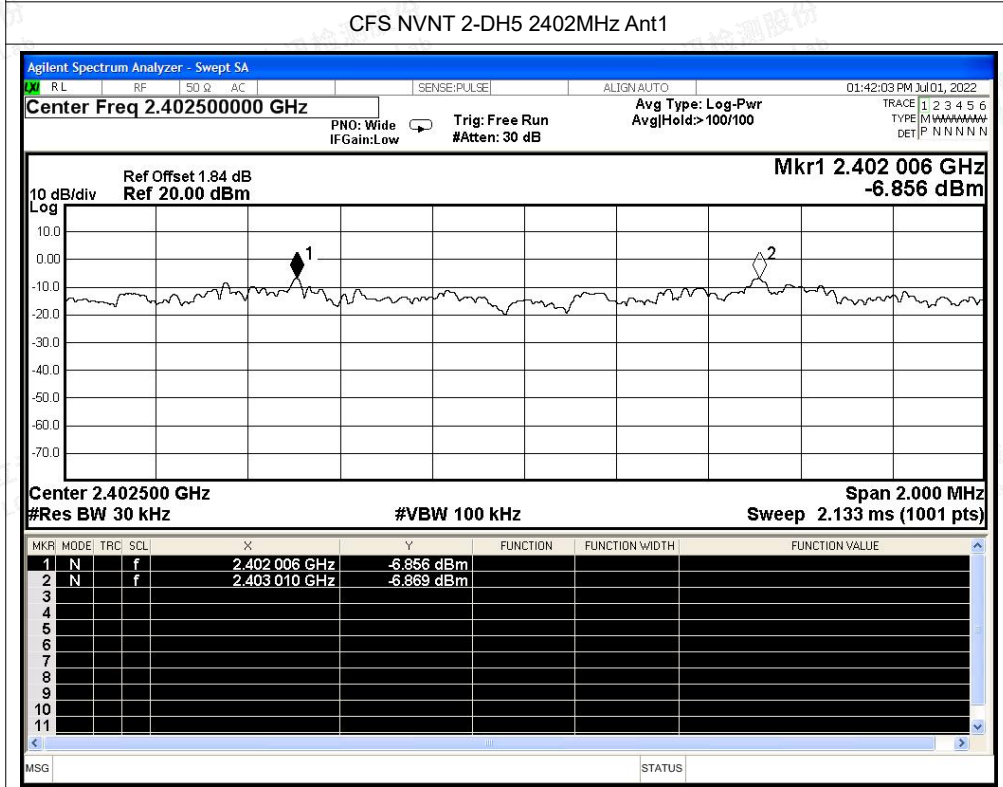
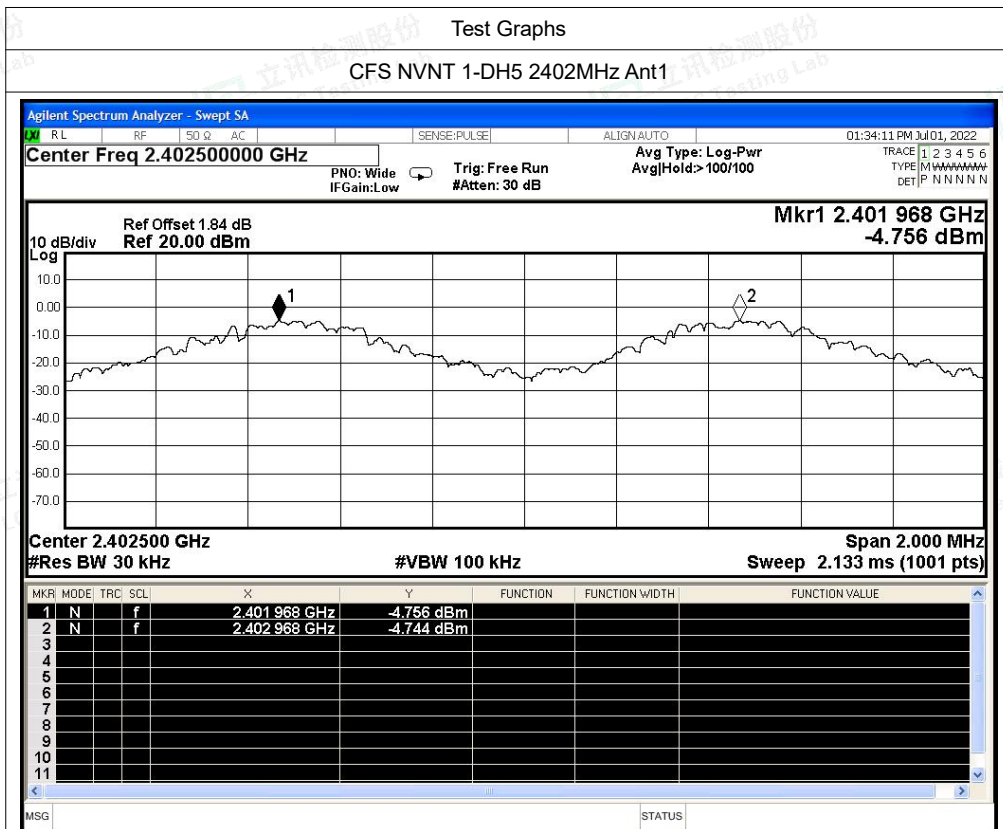


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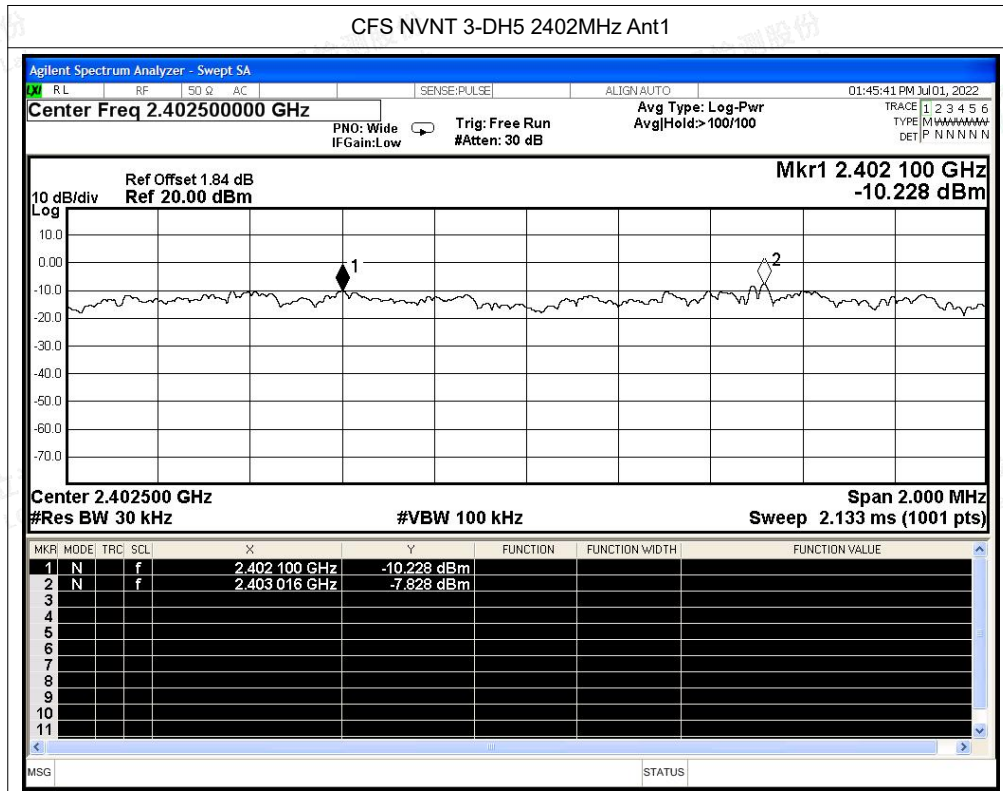


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A.4 Dwell Time

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	311.256	108	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.885	300.04	104	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.887	280.039	97	31600	400	Pass



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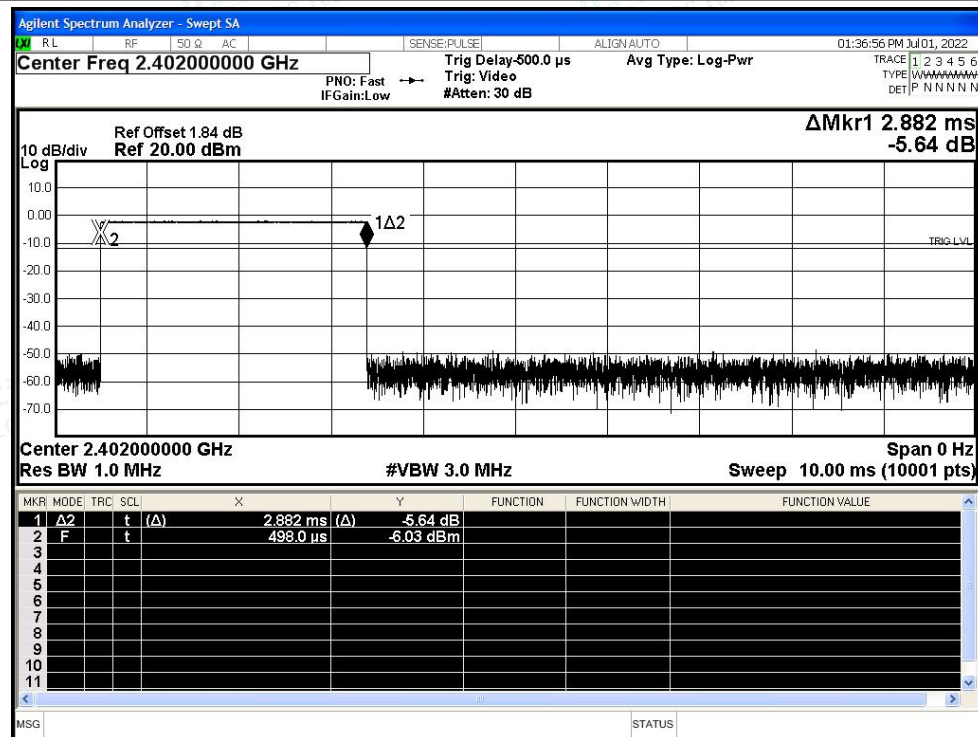
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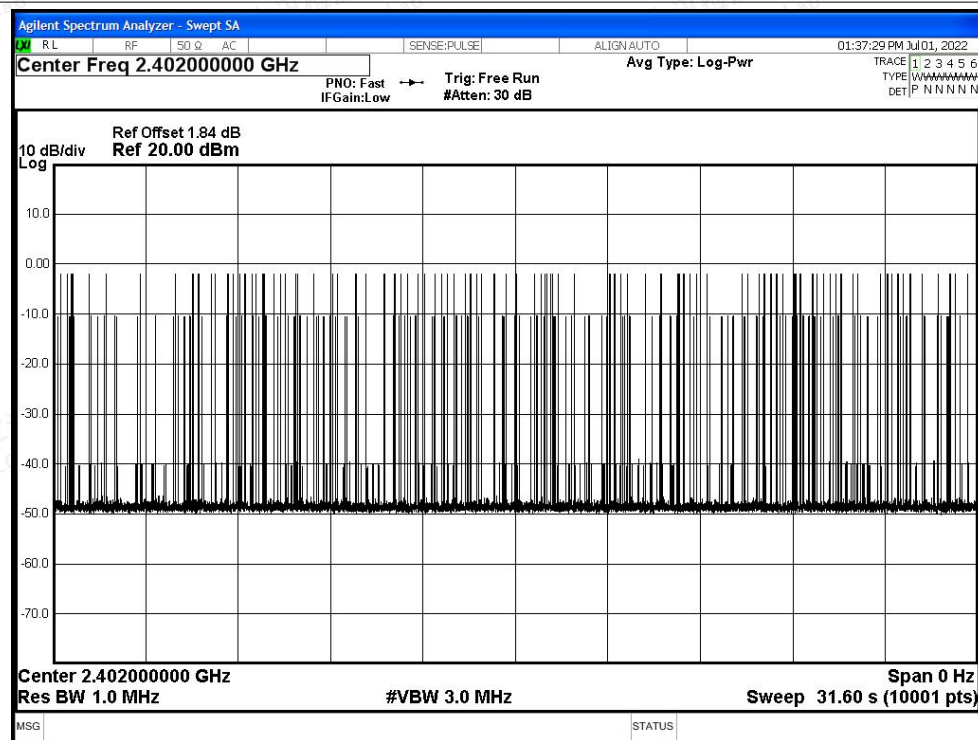


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

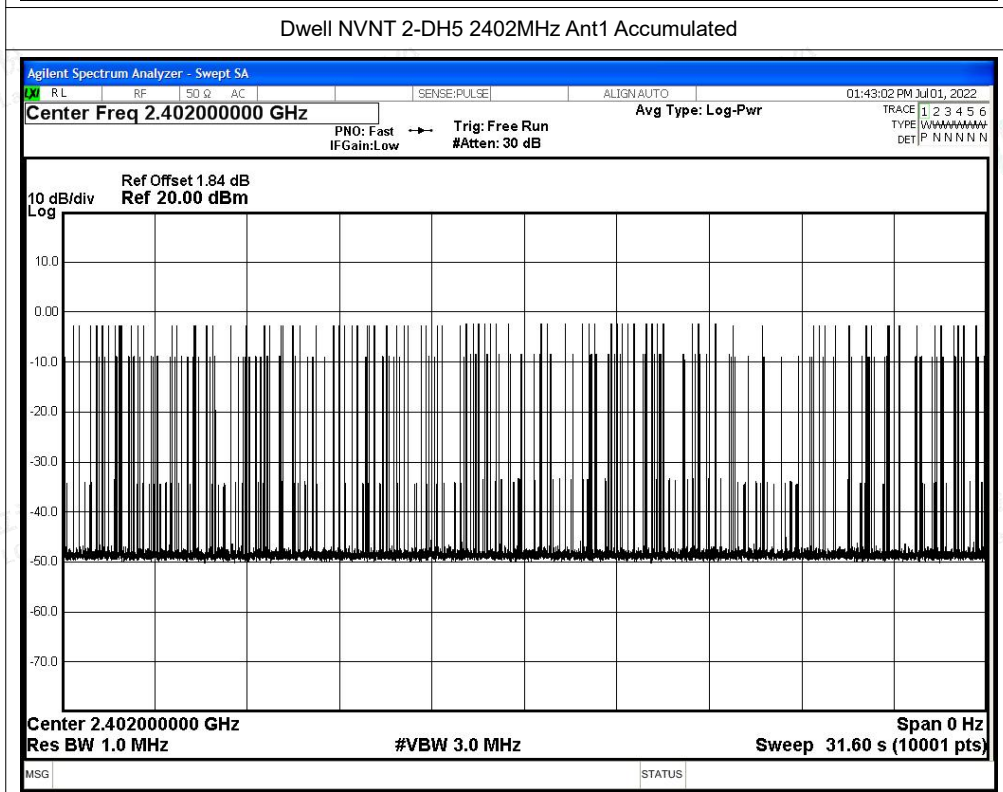
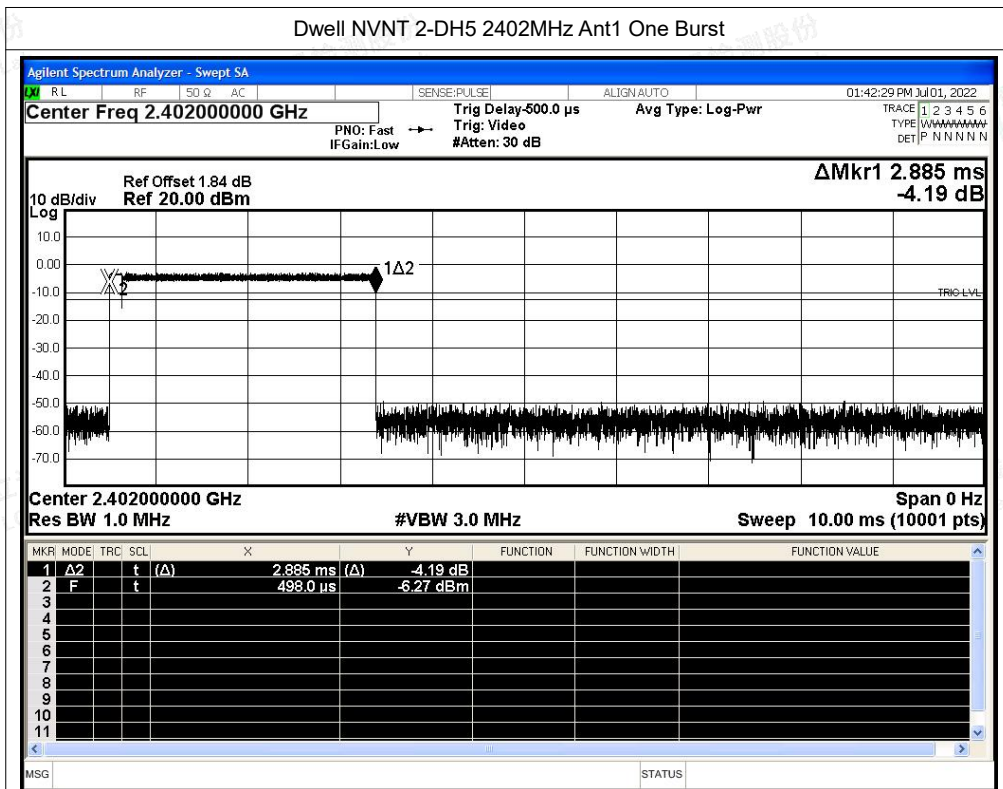


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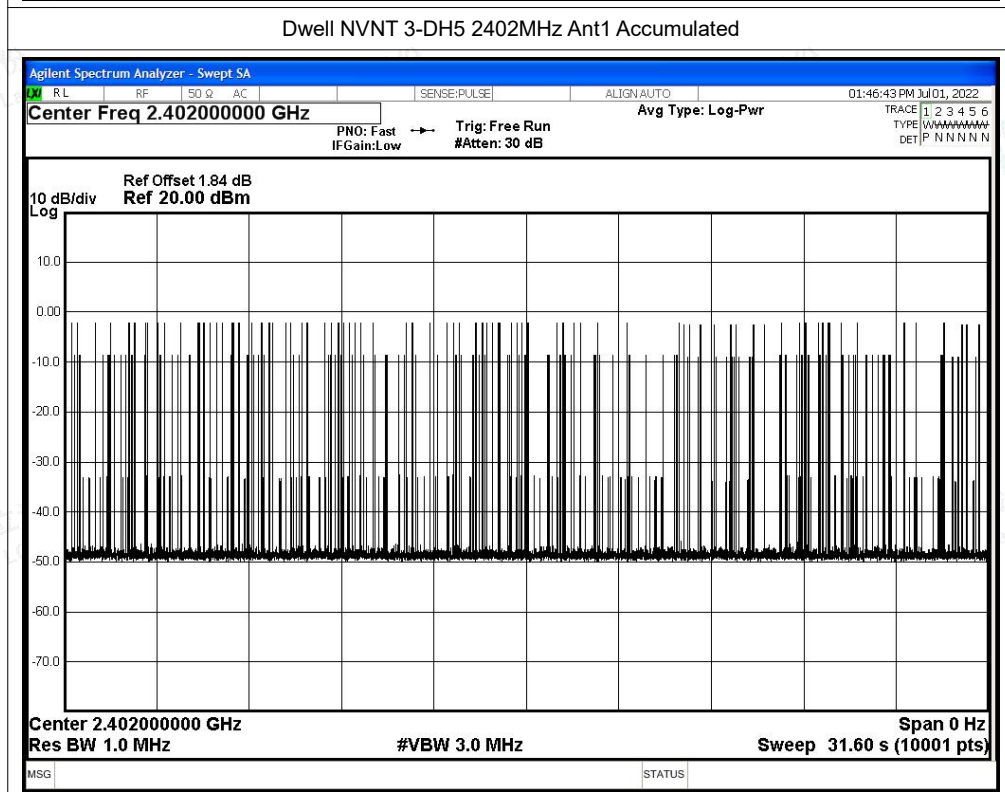
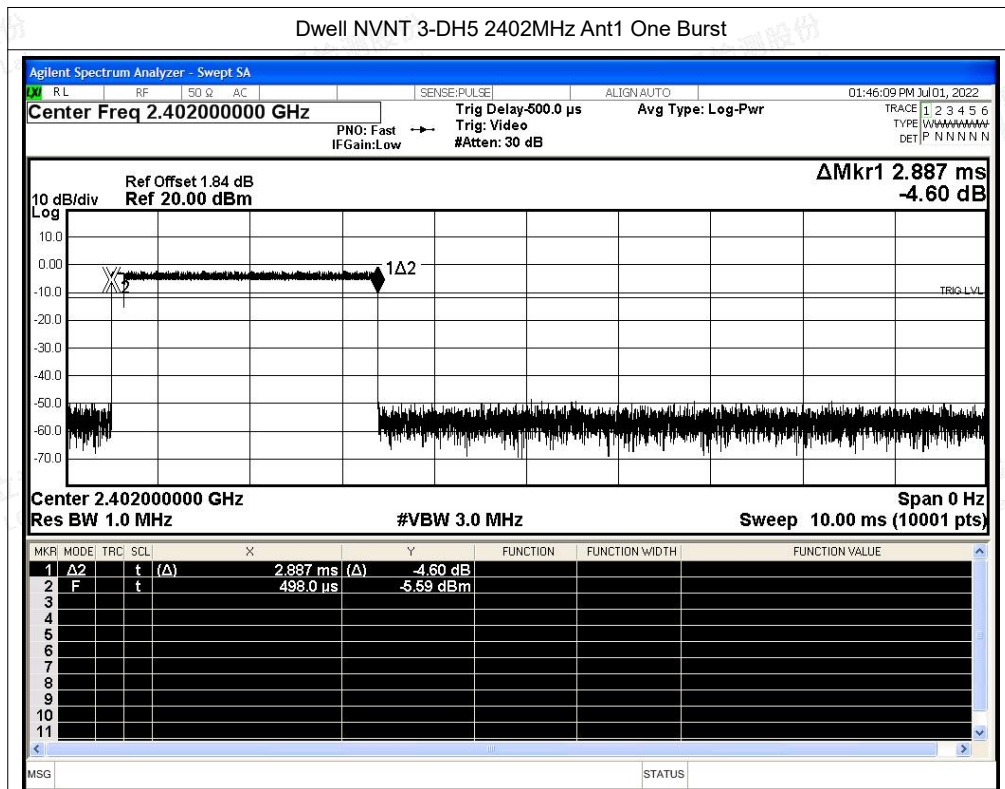


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A.5 Number of Hopping Channel

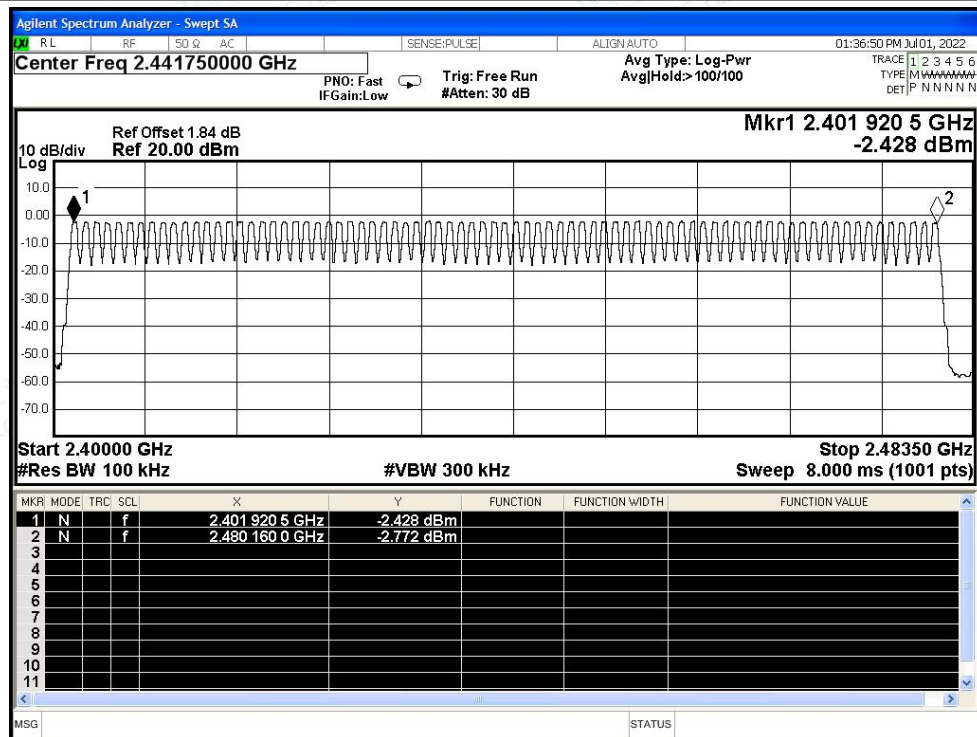
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass



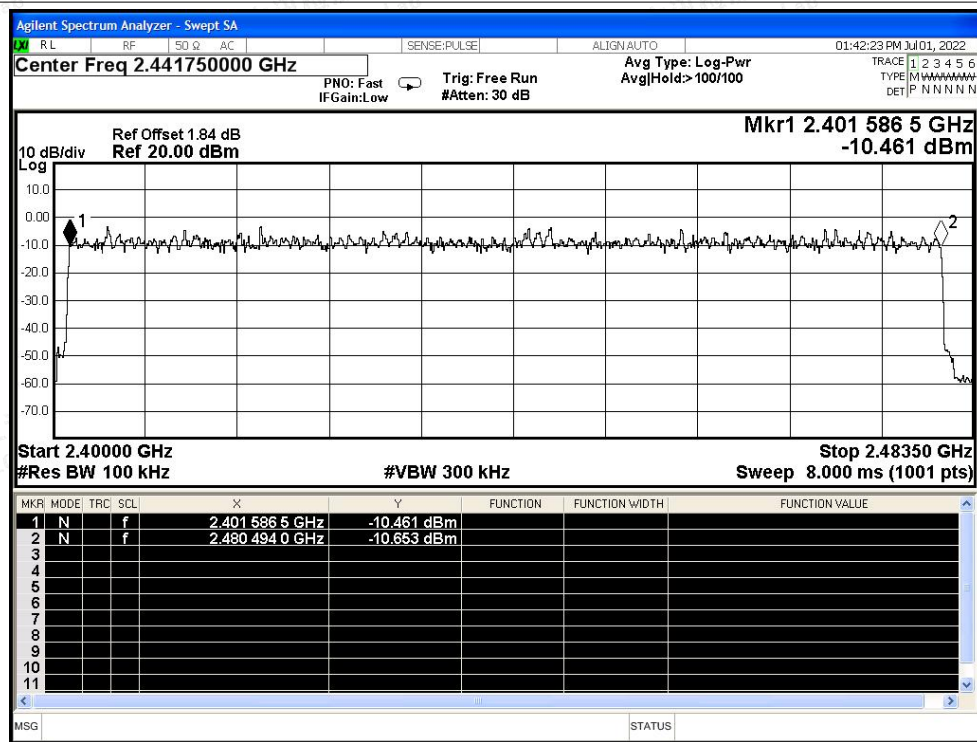


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1

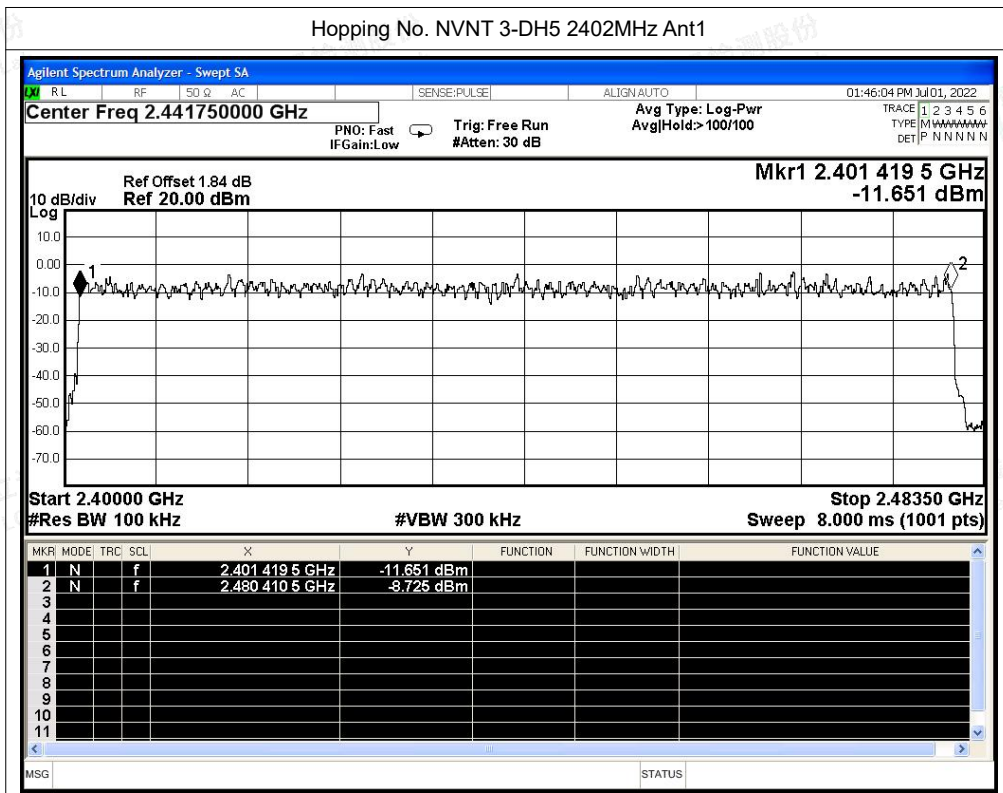


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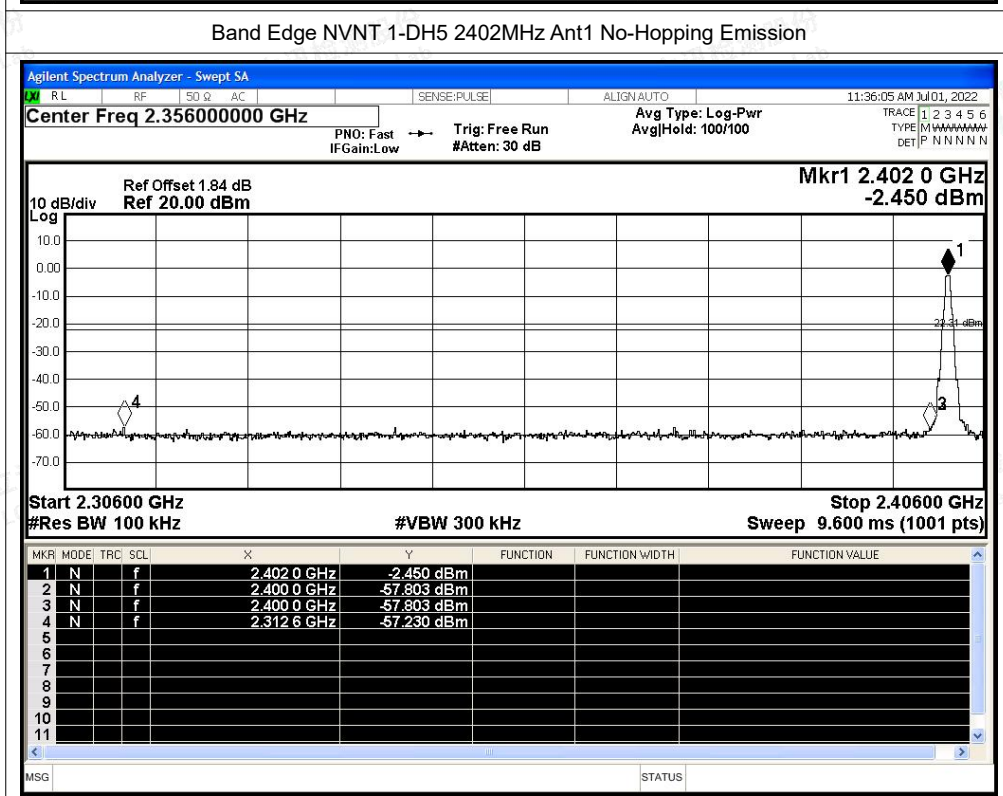
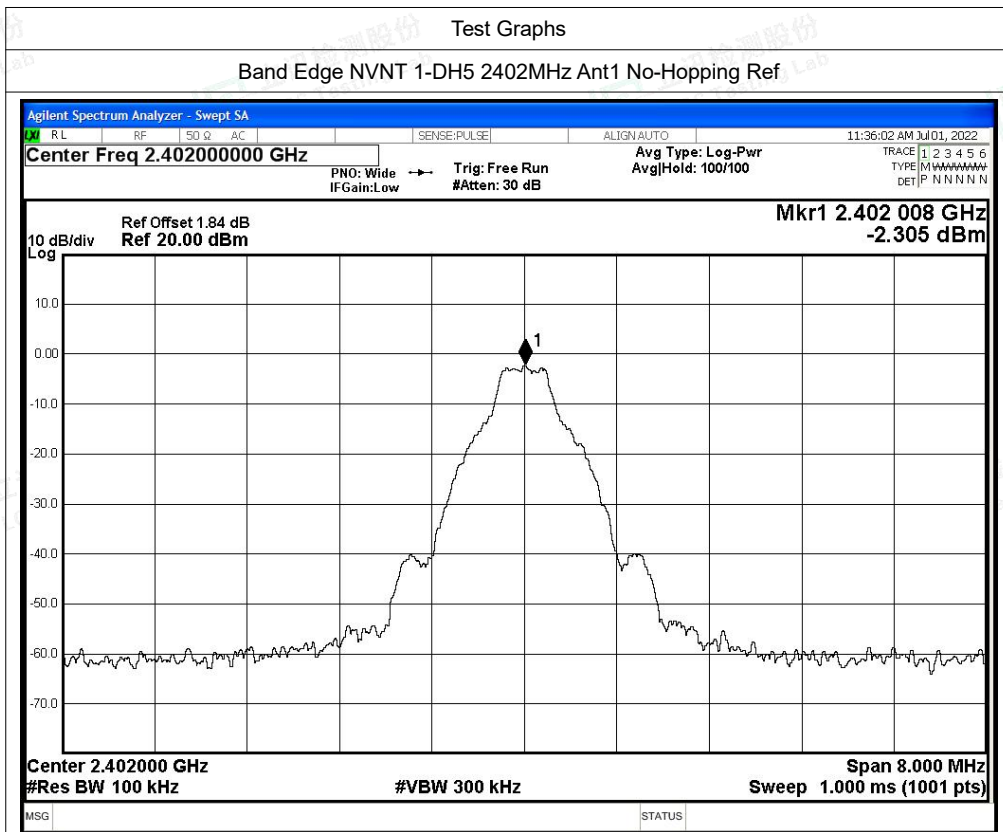
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A.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-54.93	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-54.38	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-53.02	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-53.4	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-53.69	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-54.24	-20	Pass





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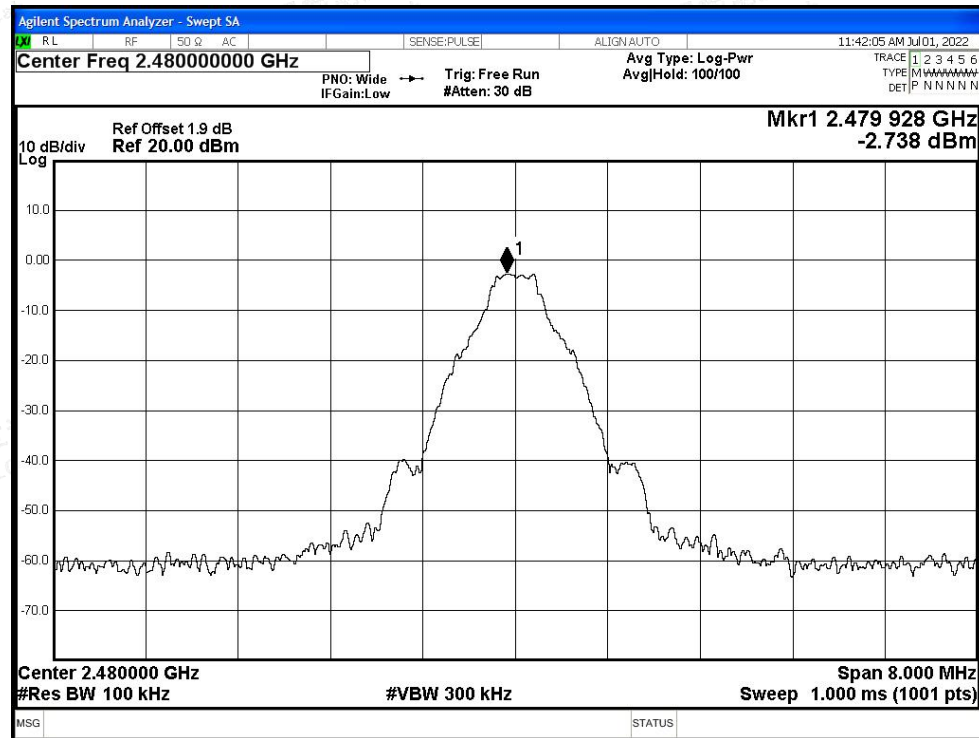
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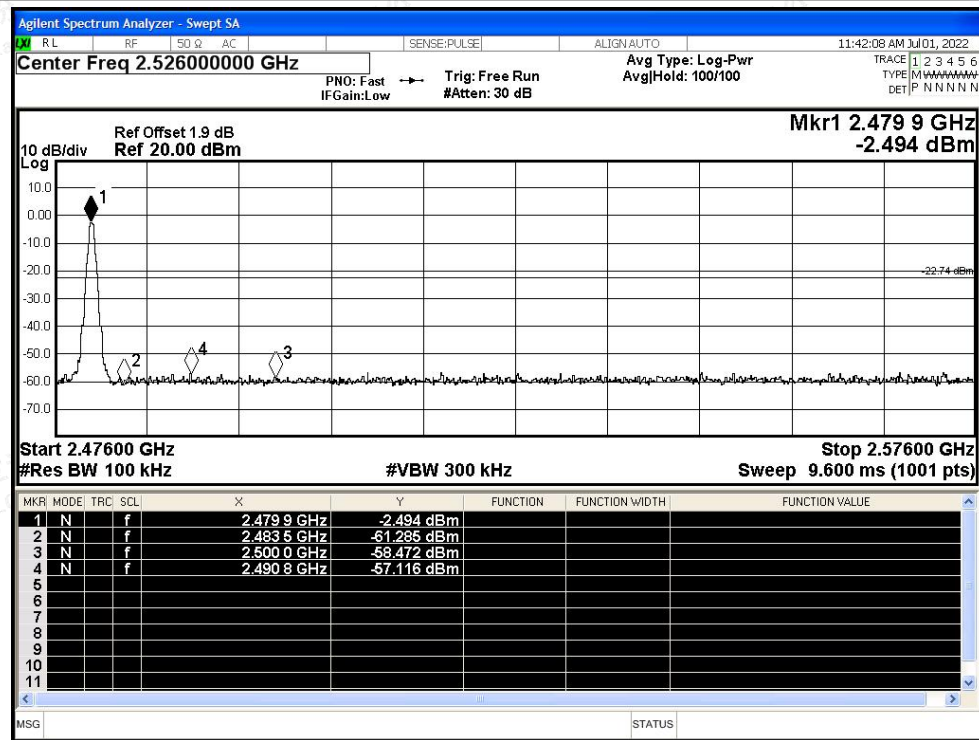
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Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



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



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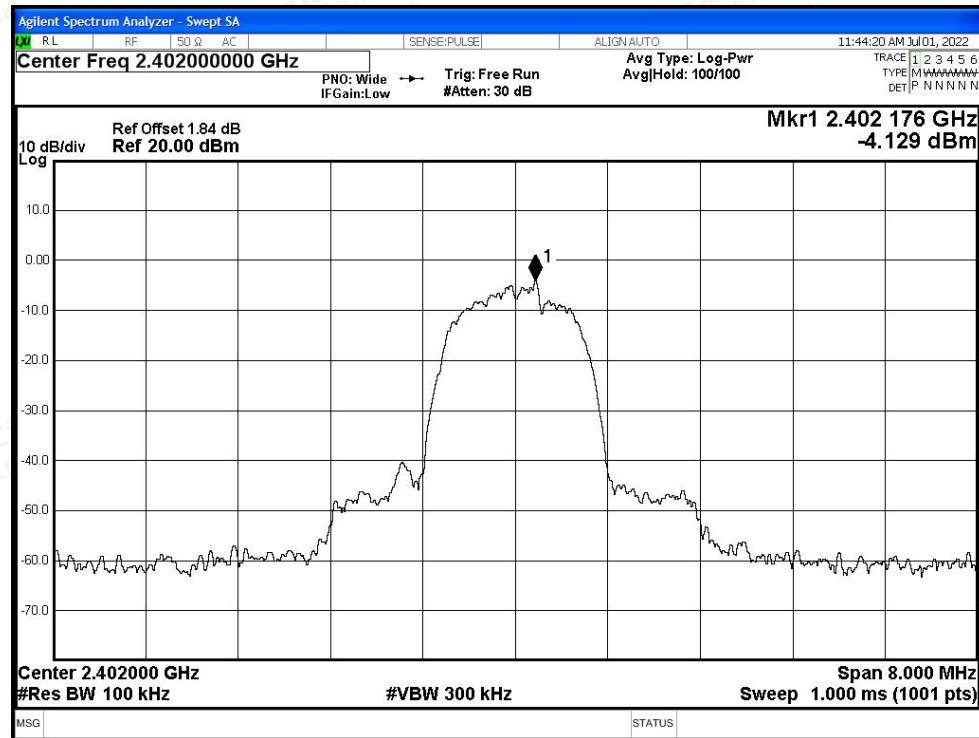
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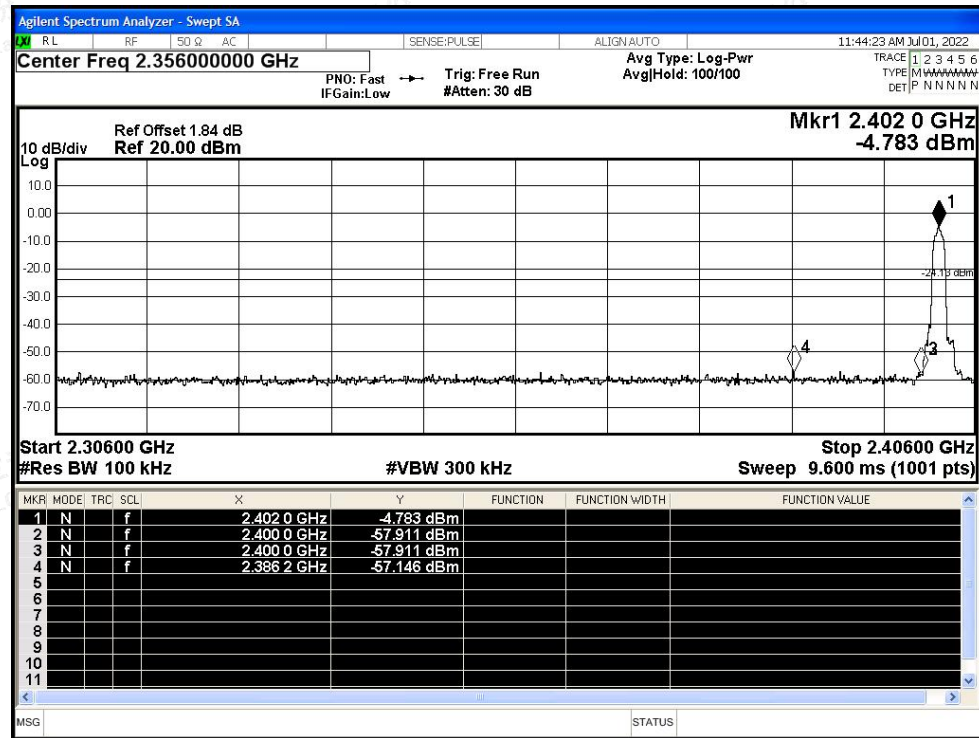
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Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



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



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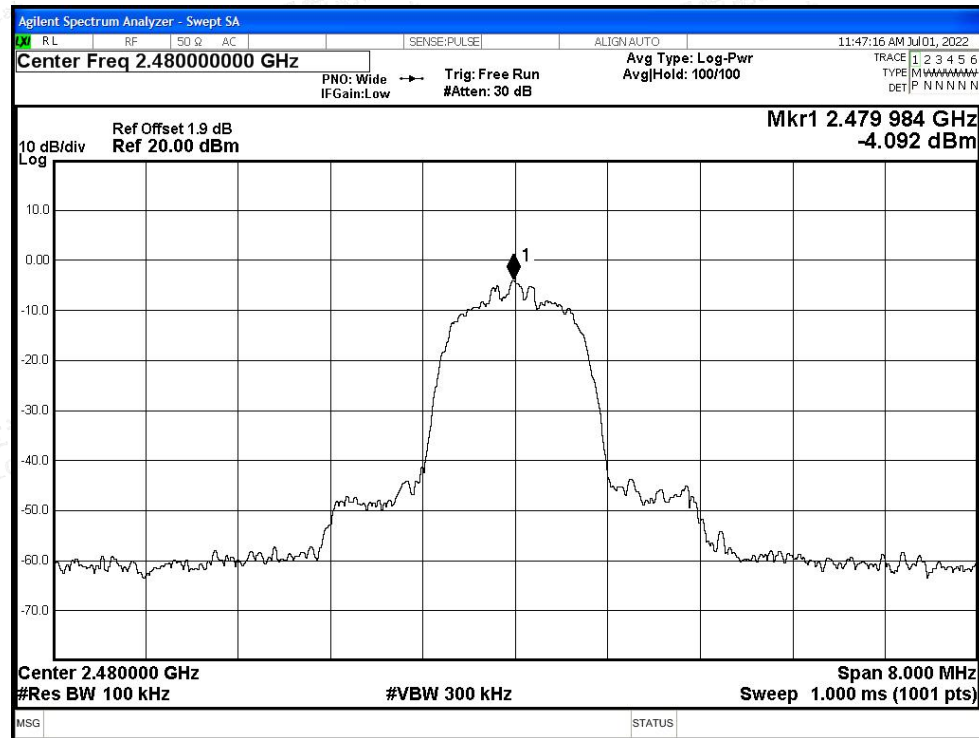
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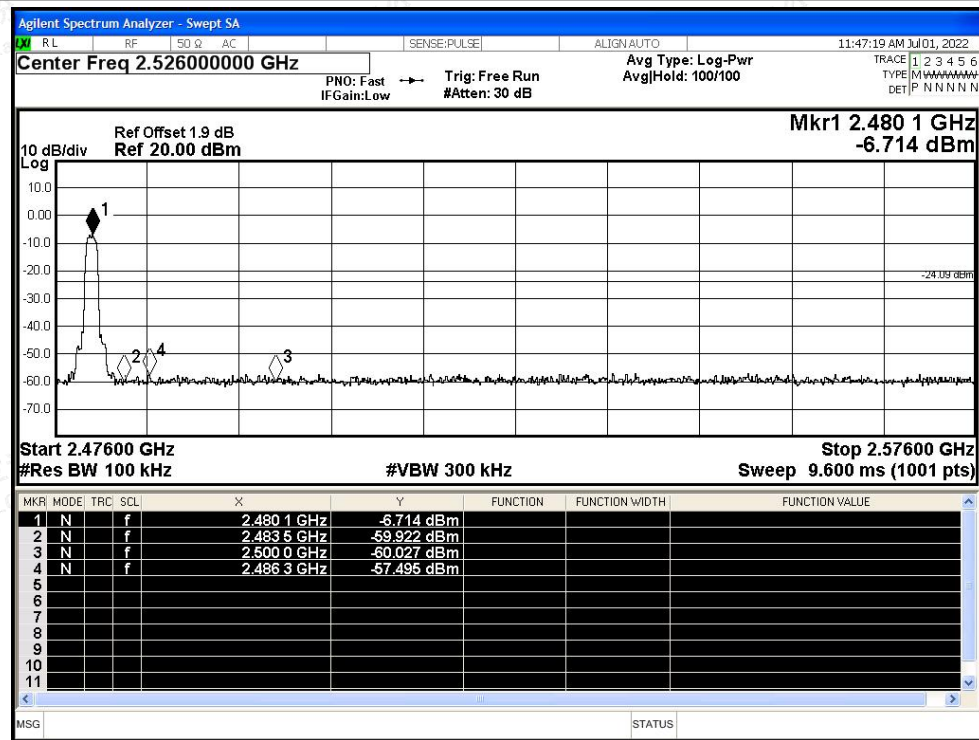
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Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



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



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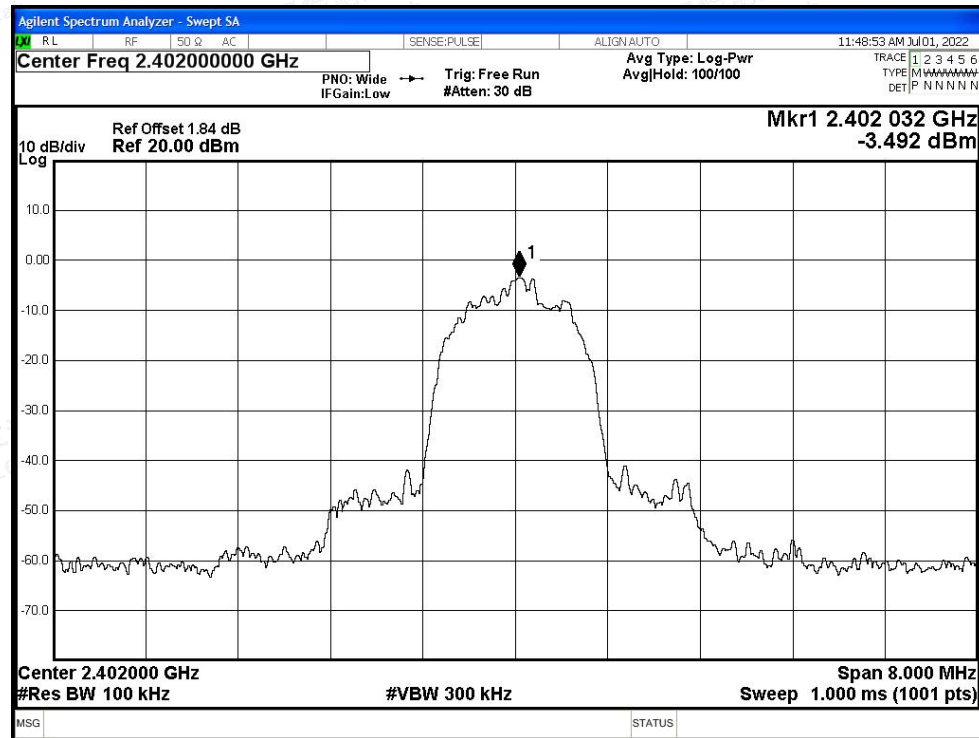
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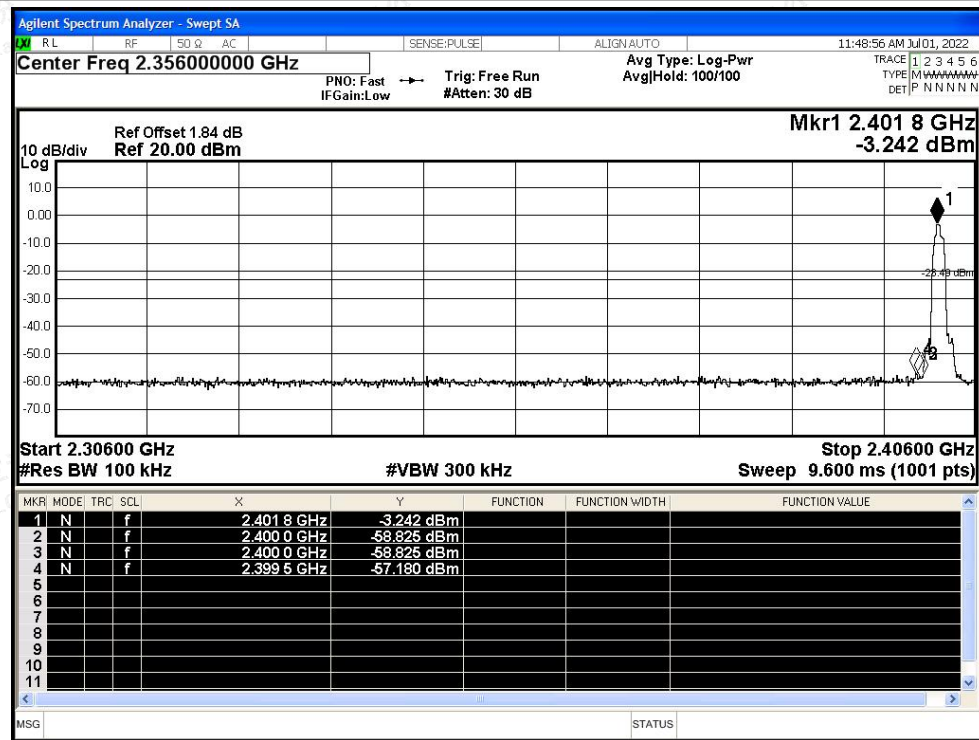
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Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



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



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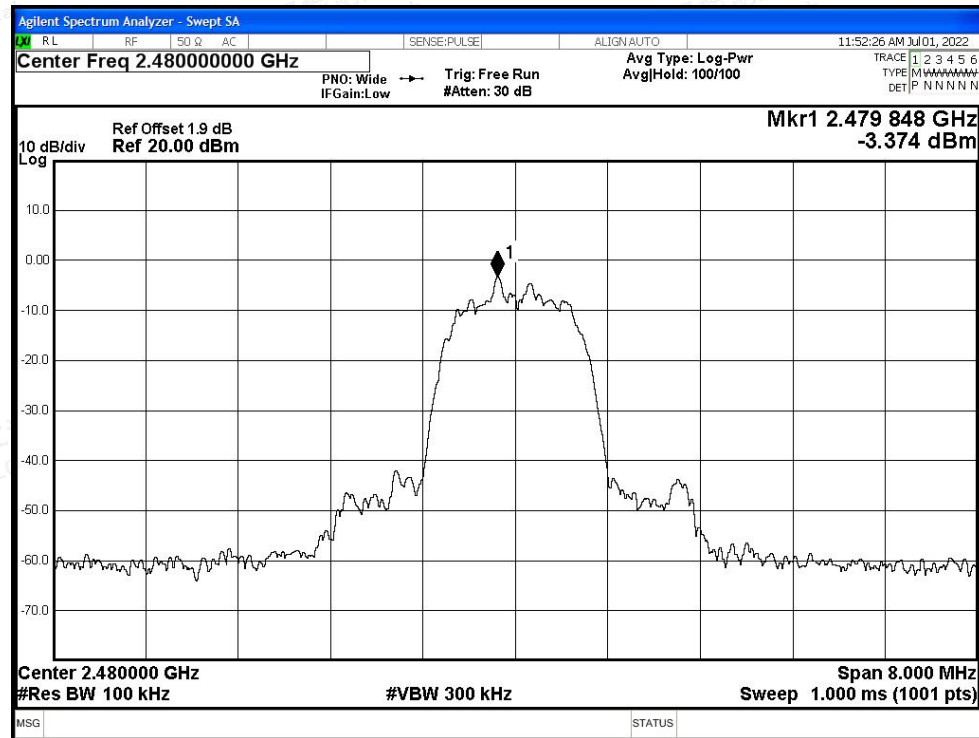
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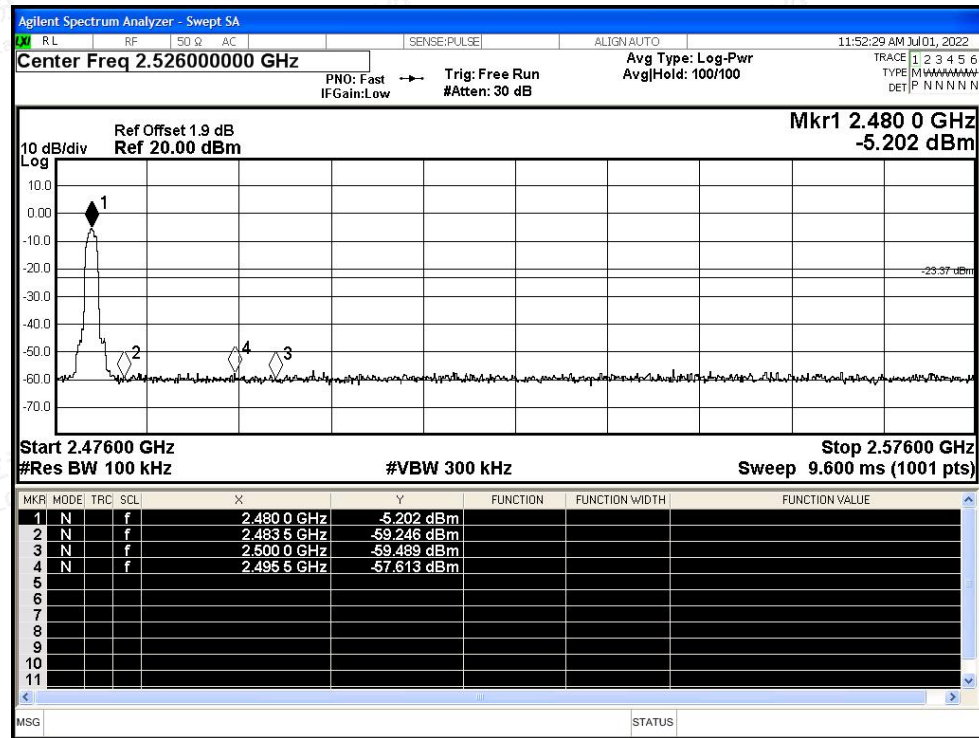
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Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



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	-53.69	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-54.17	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-51.92	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-51.8	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-53.82	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-53.35	-20	Pass

