RAYPODO GROUP (HK) LIMITED

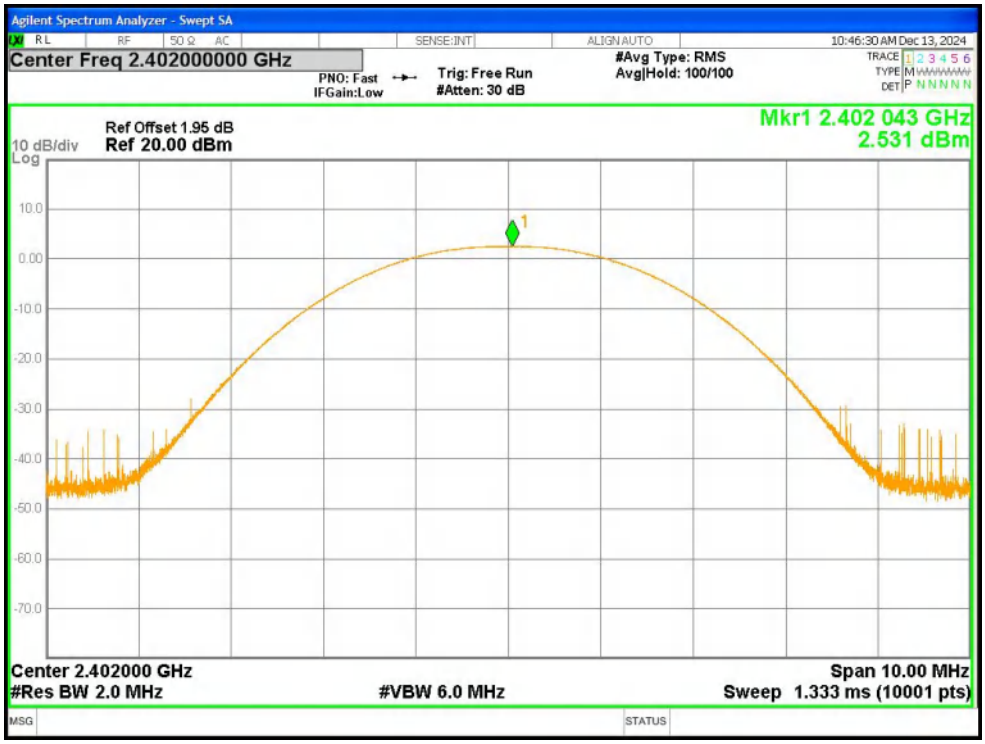
FCC ID:2BM3T-RPD1400T

Model:RPD-1400T

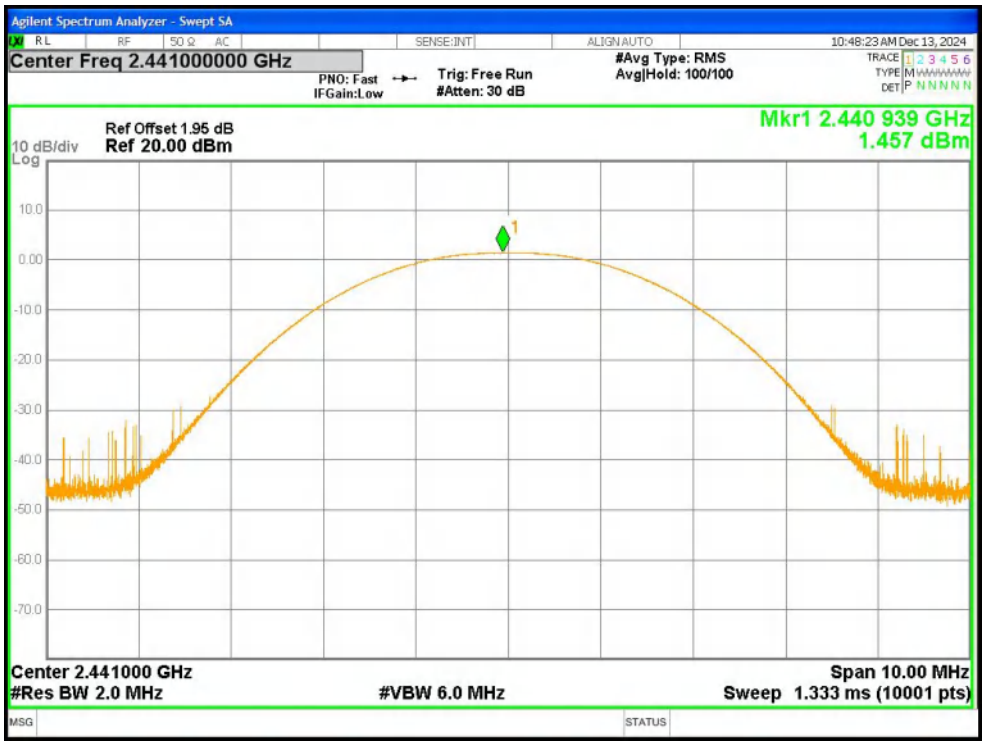
Test Data

1. Maximum Peak Conducted Output Power

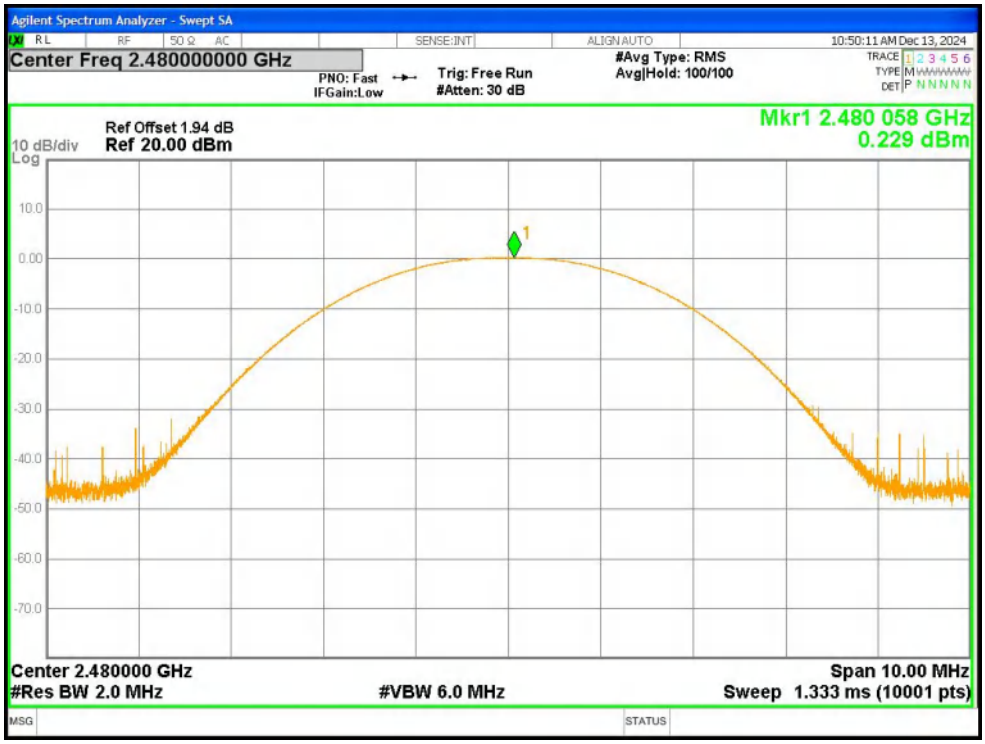
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	2.53	21	Pass
NVNT	1-DH5	2441	Ant1	1.46	21	Pass
NVNT	1-DH5	2480	Ant1	0.23	21	Pass
NVNT	2-DH5	2402	Ant1	4.8	21	Pass
NVNT	2-DH5	2441	Ant1	3.69	21	Pass
NVNT	2-DH5	2480	Ant1	2.47	21	Pass
NVNT	3-DH5	2402	Ant1	4.8	21	Pass
NVNT	3-DH5	2441	Ant1	3.82	21	Pass
NVNT	3-DH5	2480	Ant1	2.36	21	Pass



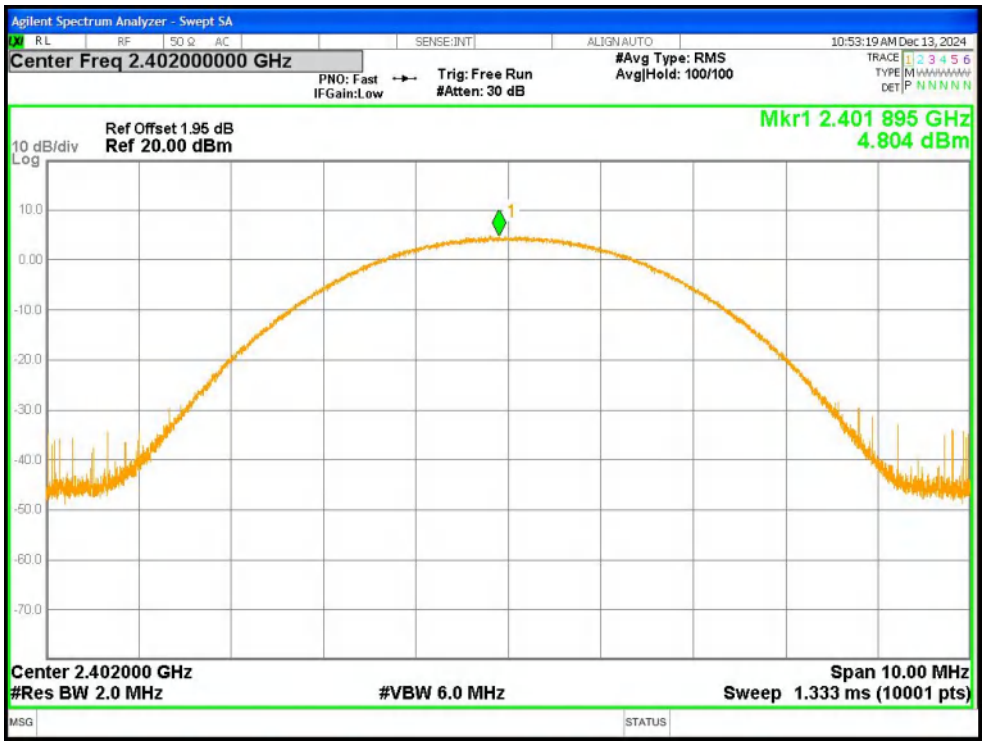
Peak Power NVNT 1-DH5 2402MHz Ant1



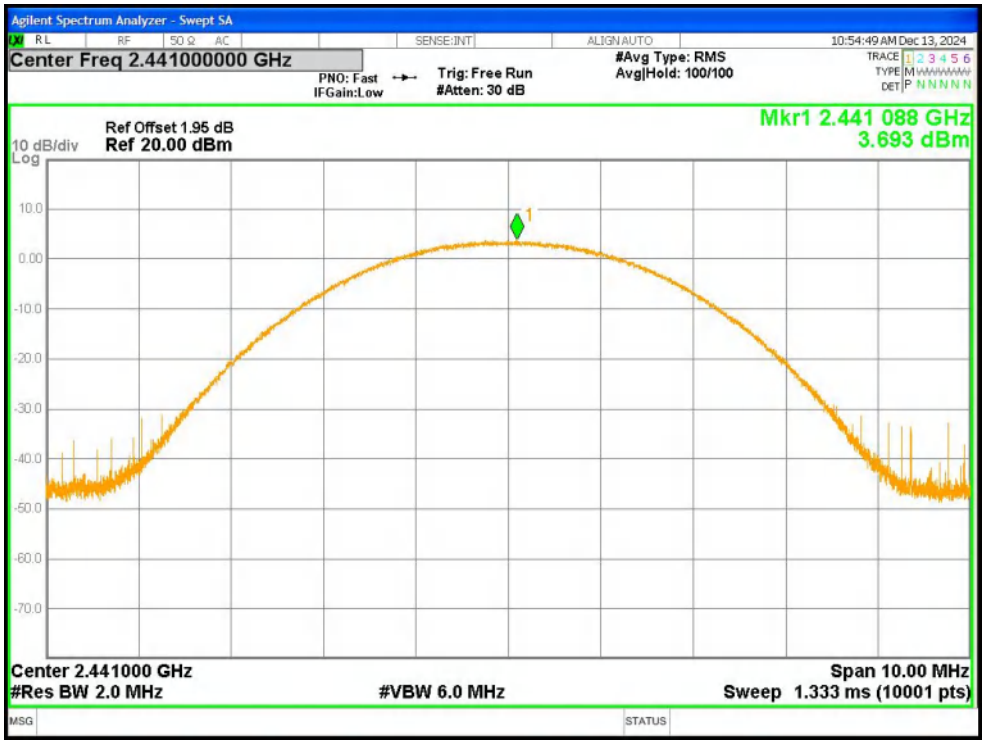
Peak Power NVNT 1-DH5 2441MHz Ant1



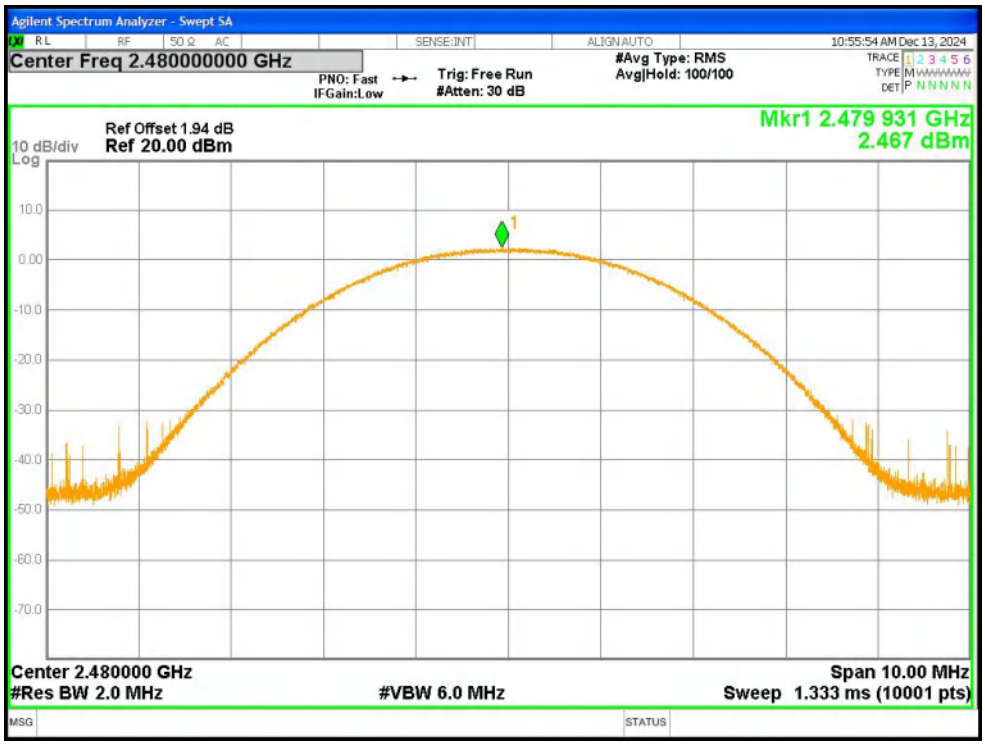
Peak Power NVNT 1-DH5 2480MHz Ant1



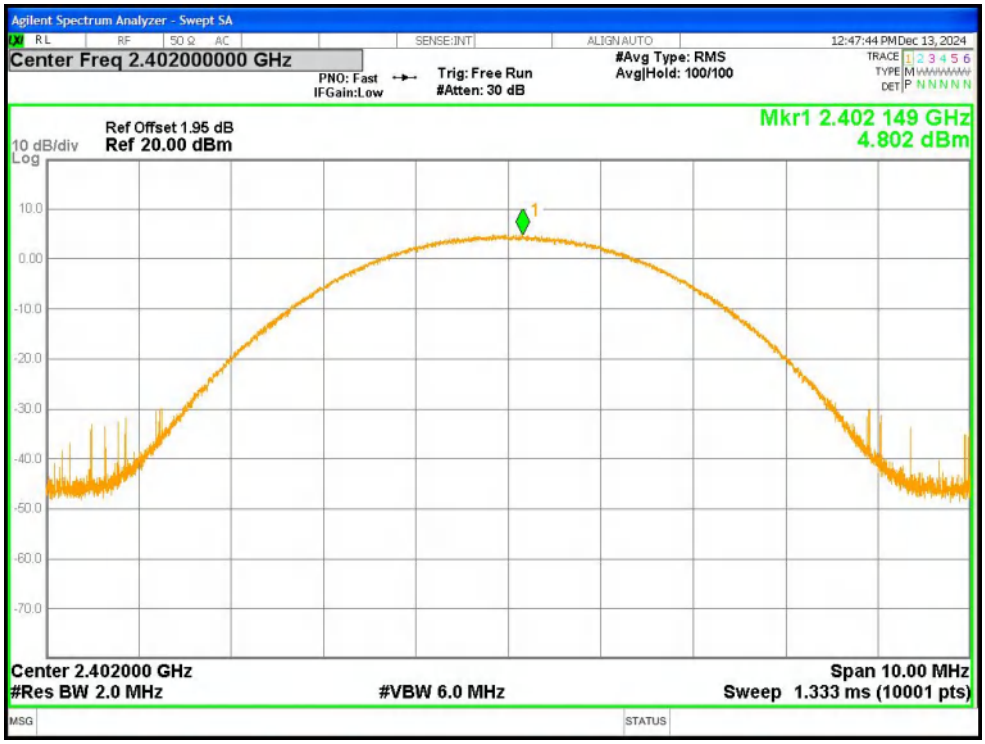
Peak Power NVNT 2-DH5 2402MHz Ant1



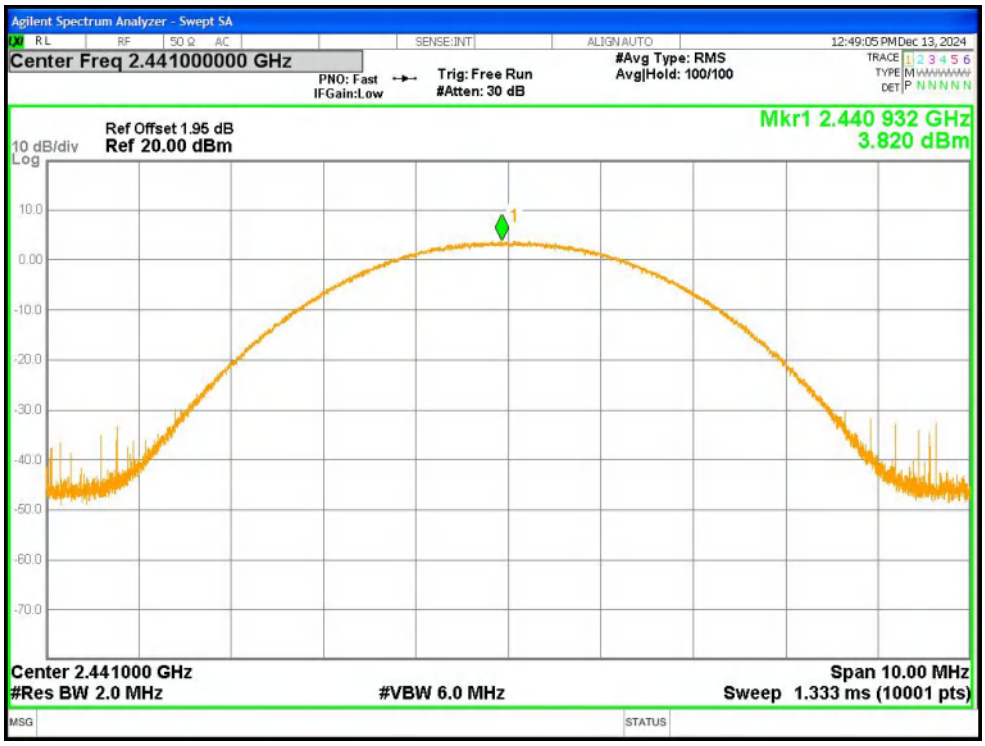
Peak Power NVNT 2-DH5 2441MHz Ant1



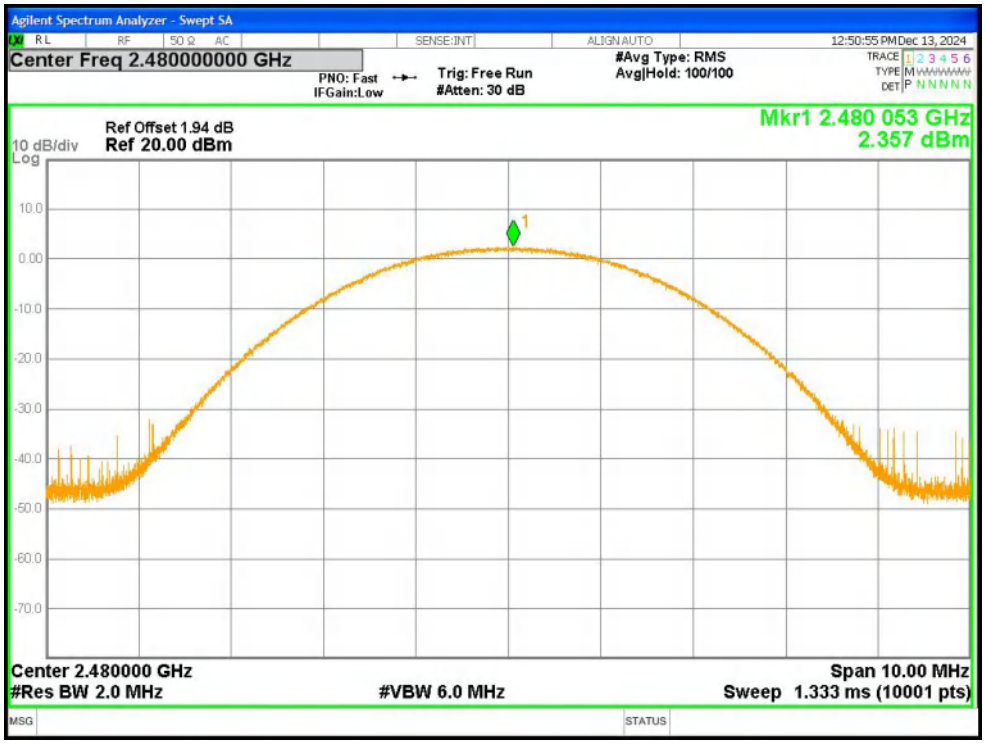
Peak Power NVNT 2-DH5 2480MHz Ant1



Peak Power NVNT 3-DH5 2402MHz Ant1



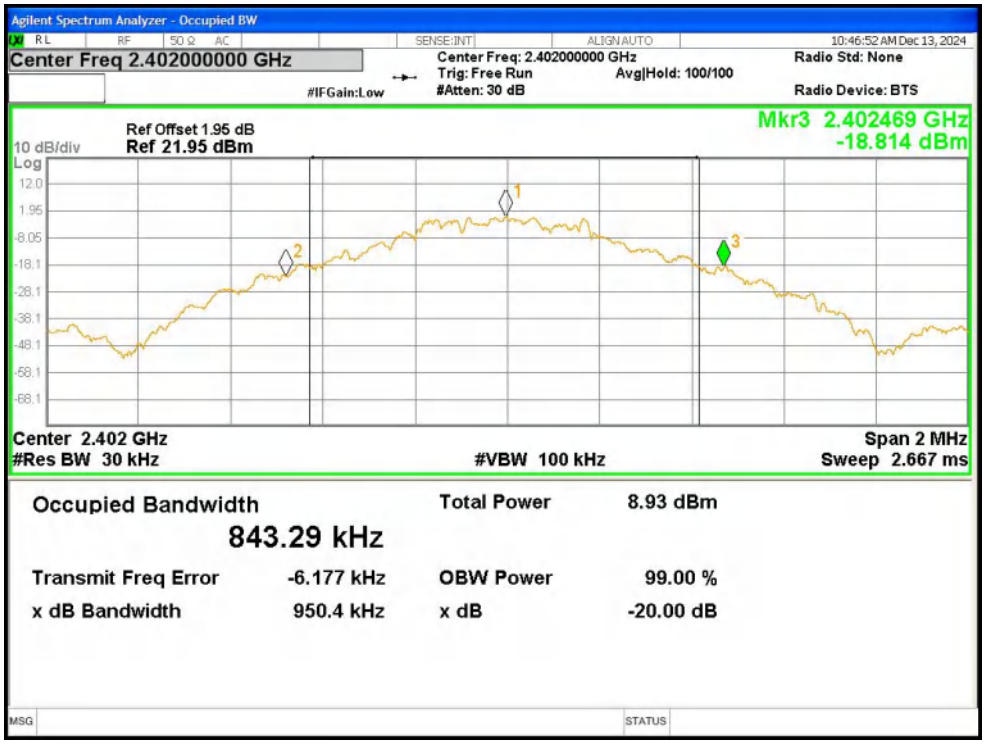
Peak Power NVNT 3-DH5 2441MHz Ant1



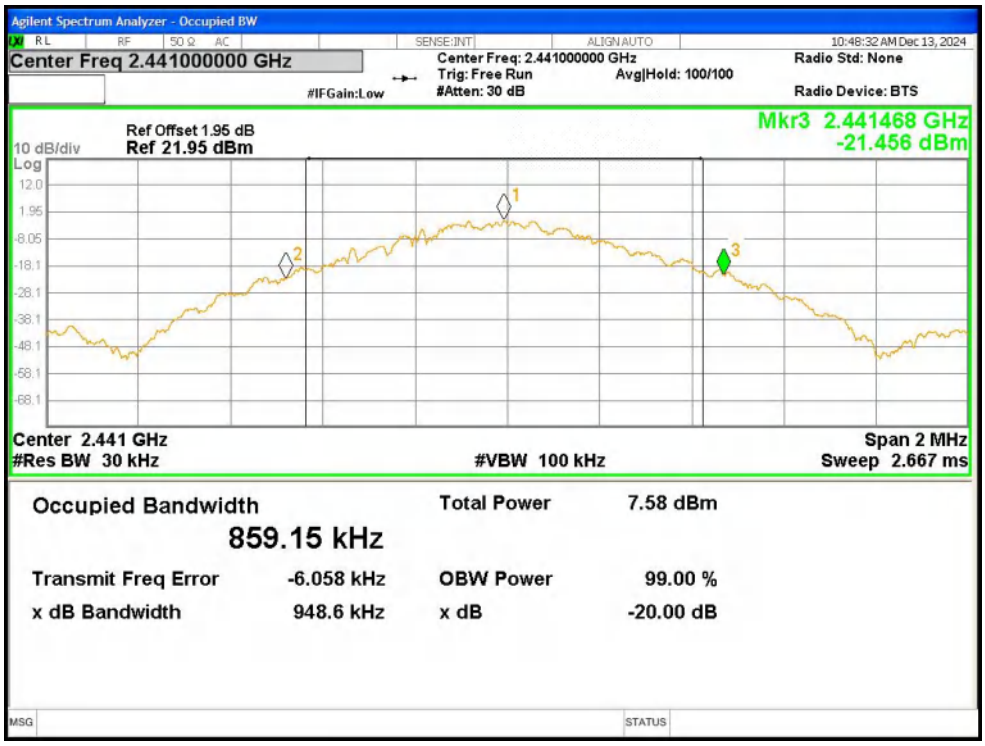
Peak Power NVNT 3-DH5 2480MHz Ant1

2. -20dB Bandwidth

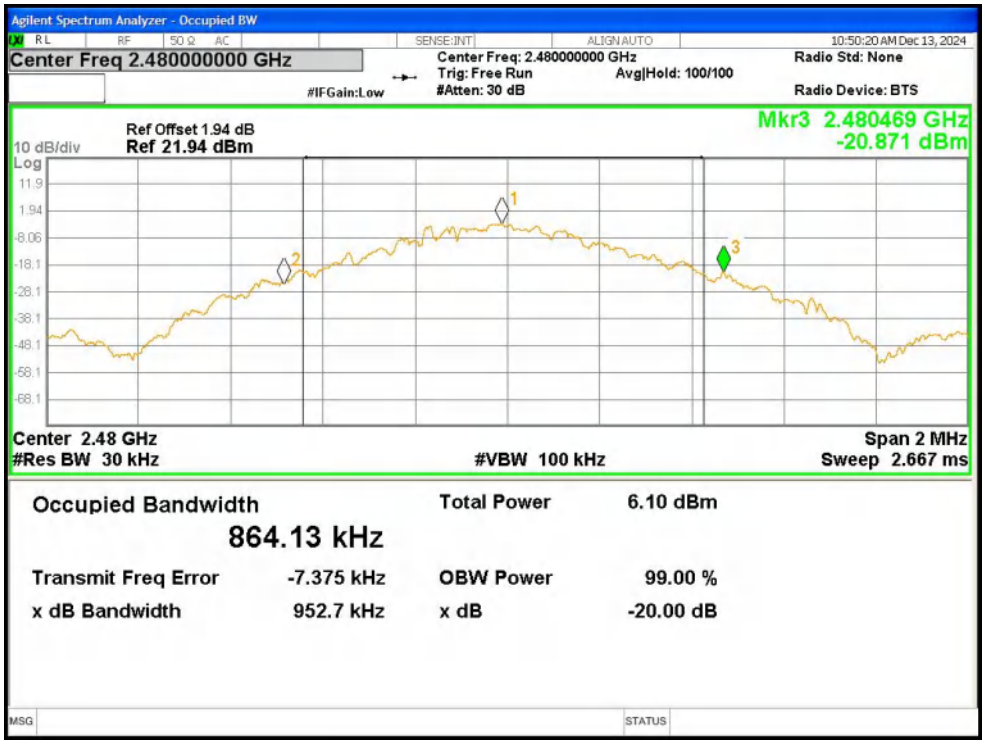
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.95	0	Pass
NVNT	1-DH5	2441	Ant1	0.949	0	Pass
NVNT	1-DH5	2480	Ant1	0.953	0	Pass
NVNT	2-DH5	2402	Ant1	1.286	0	Pass
NVNT	2-DH5	2441	Ant1	1.318	0	Pass
NVNT	2-DH5	2480	Ant1	1.317	0	Pass
NVNT	3-DH5	2402	Ant1	1.281	0	Pass
NVNT	3-DH5	2441	Ant1	1.309	0	Pass
NVNT	3-DH5	2480	Ant1	1.324	0	Pass



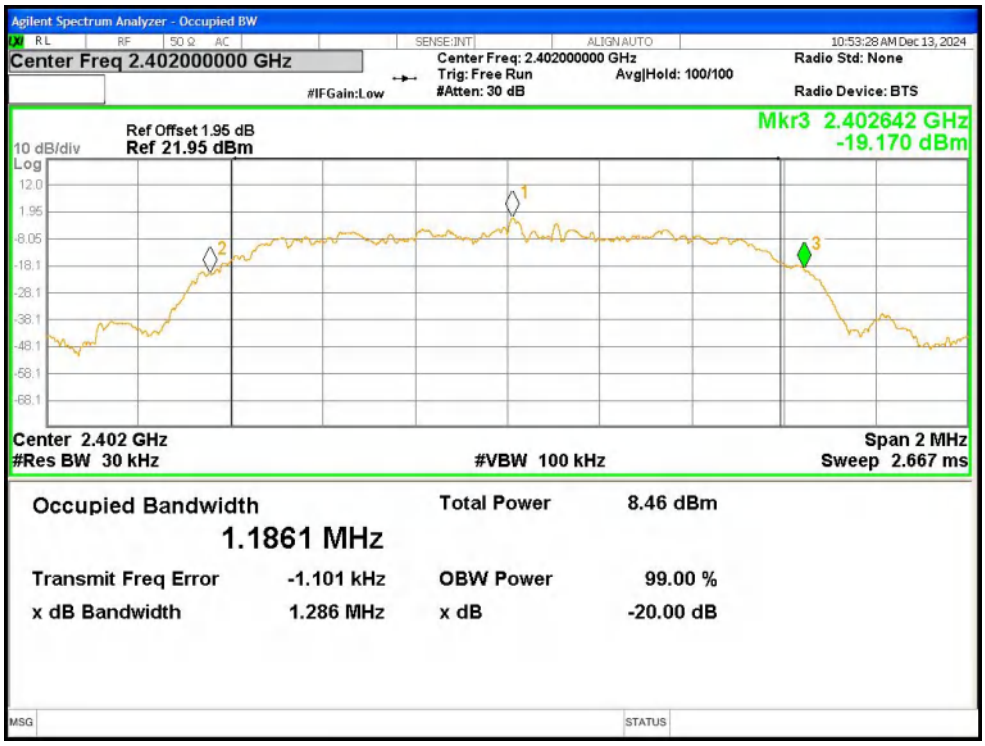
-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



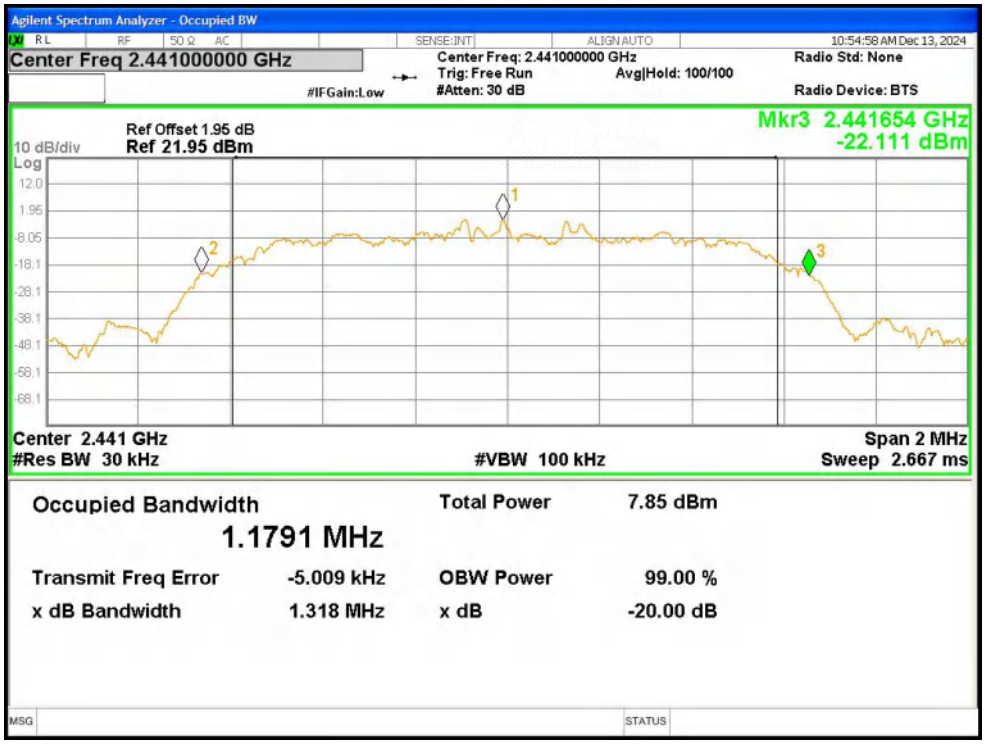
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



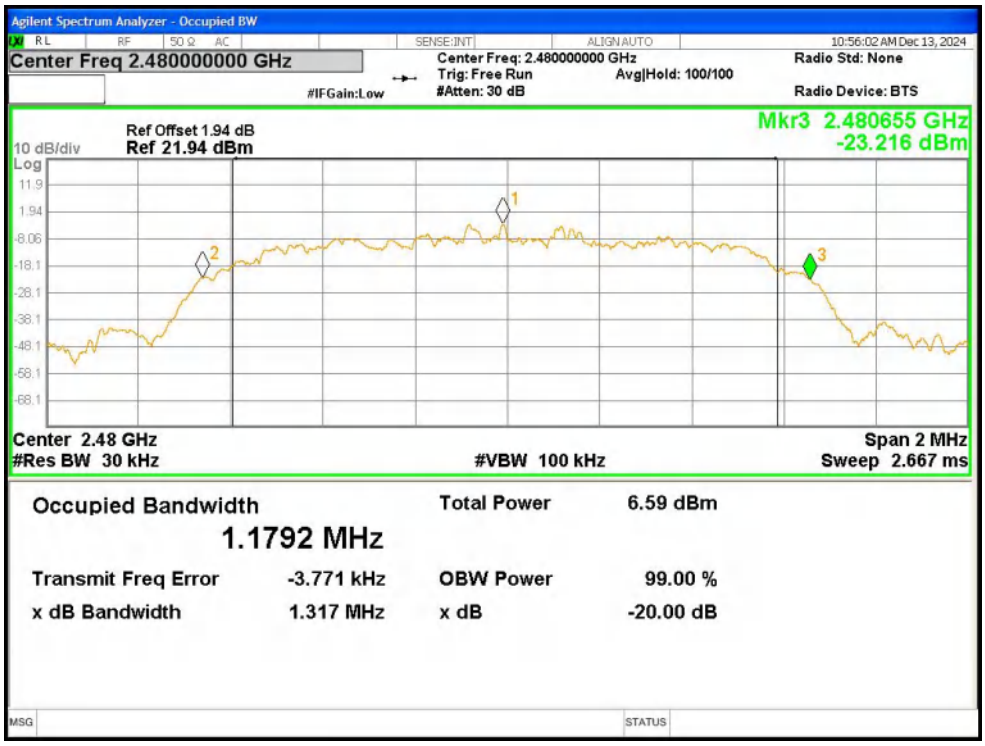
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



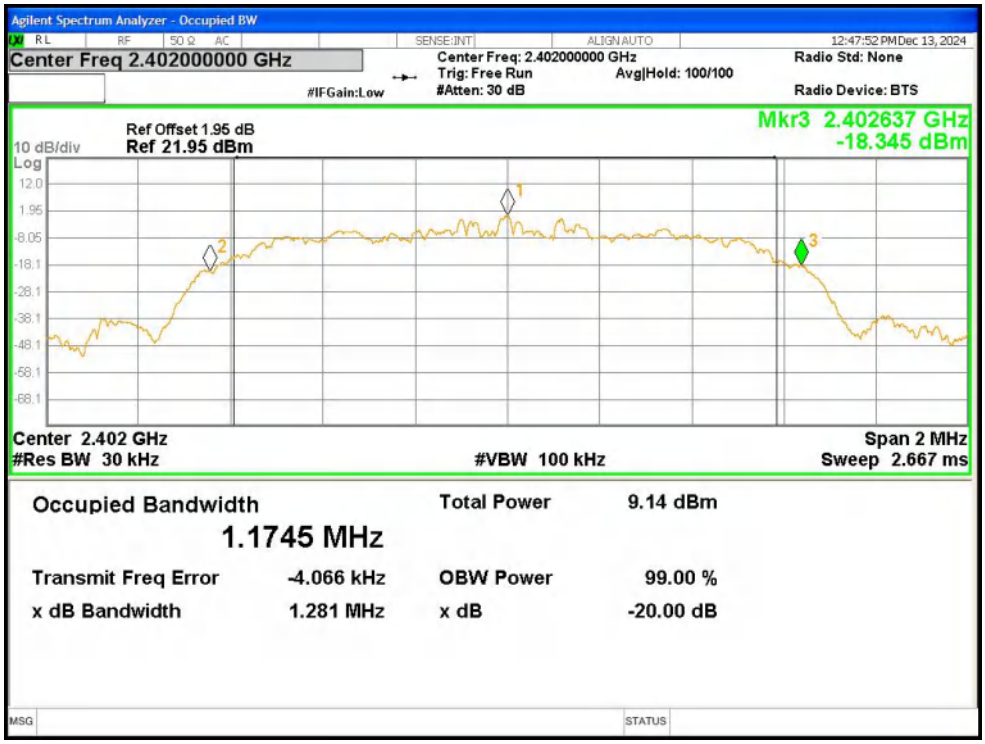
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



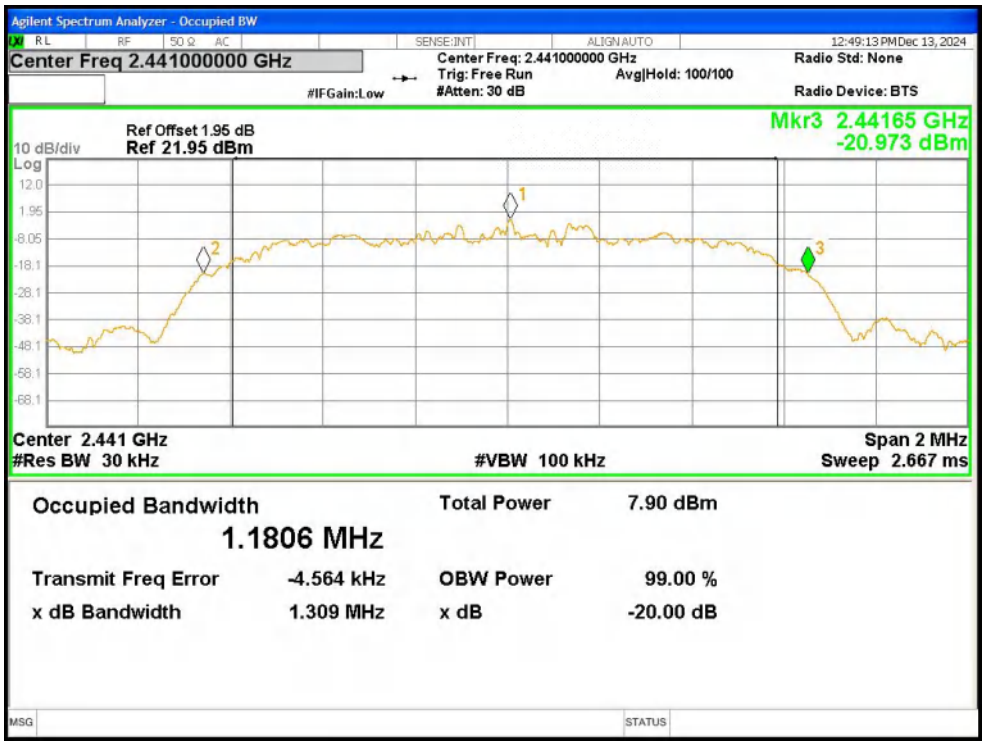
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



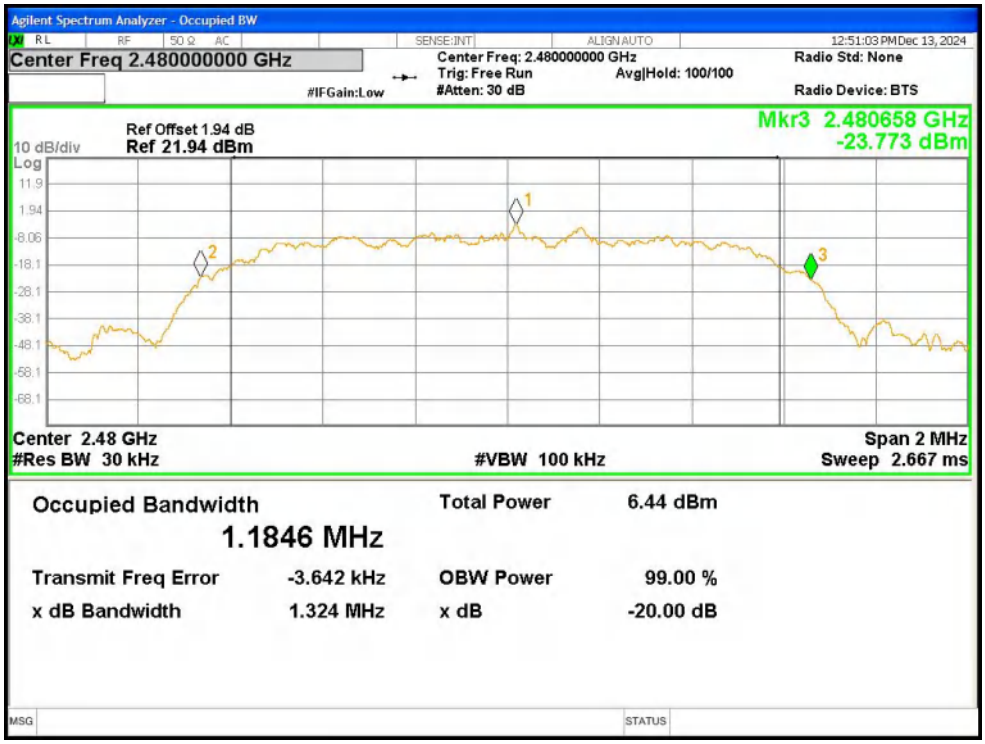
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



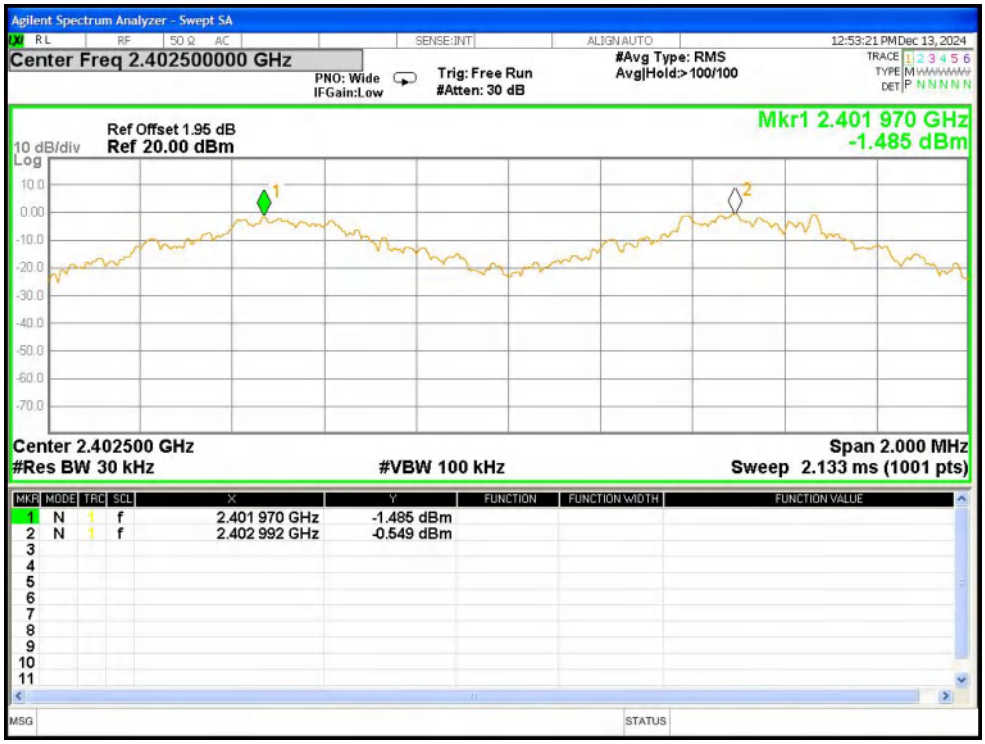
-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



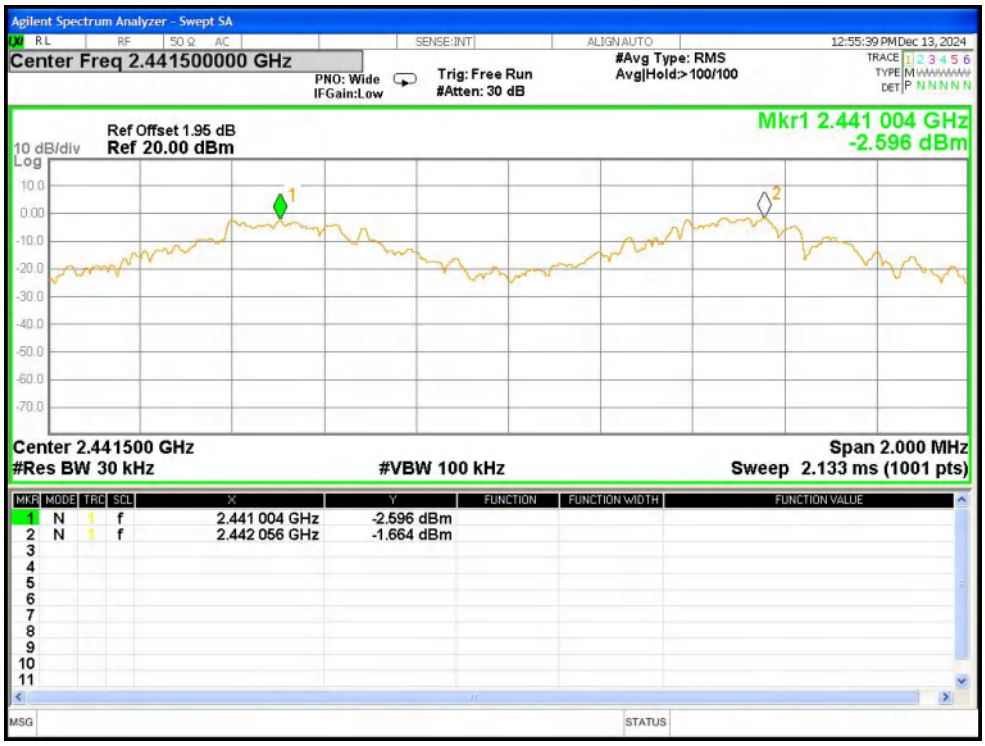
-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1

3. Carrier Frequencies Separation

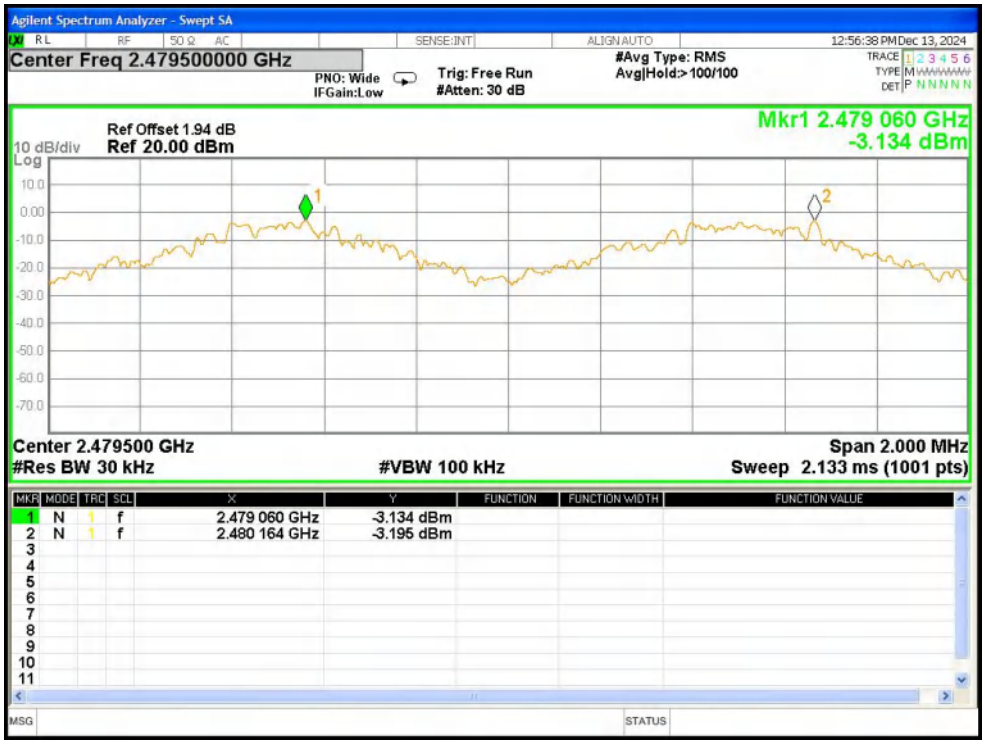
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.97	2402.992	1.022	0.633	Pass
NVNT	1-DH5	Ant1	2441.004	2442.056	1.052	0.633	Pass
NVNT	1-DH5	Ant1	2479.06	2480.164	1.104	0.635	Pass
NVNT	2-DH5	Ant1	2402.128	2403.168	1.04	0.857	Pass
NVNT	2-DH5	Ant1	2440.916	2441.896	0.98	0.879	Pass
NVNT	2-DH5	Ant1	2478.994	2479.926	0.932	0.878	Pass
NVNT	3-DH5	Ant1	2402	2402.998	0.998	0.854	Pass
NVNT	3-DH5	Ant1	2440.986	2441.934	0.948	0.873	Pass
NVNT	3-DH5	Ant1	2478.914	2480.012	1.098	0.883	Pass



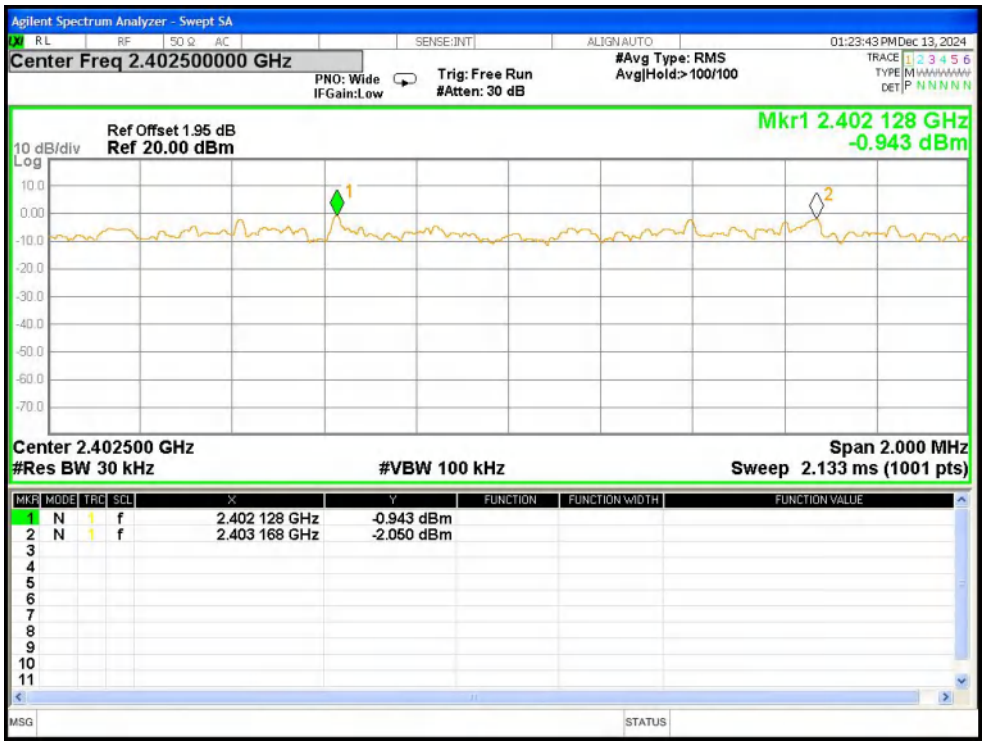
CFS NVNT 1-DH5 2402MHz Ant1



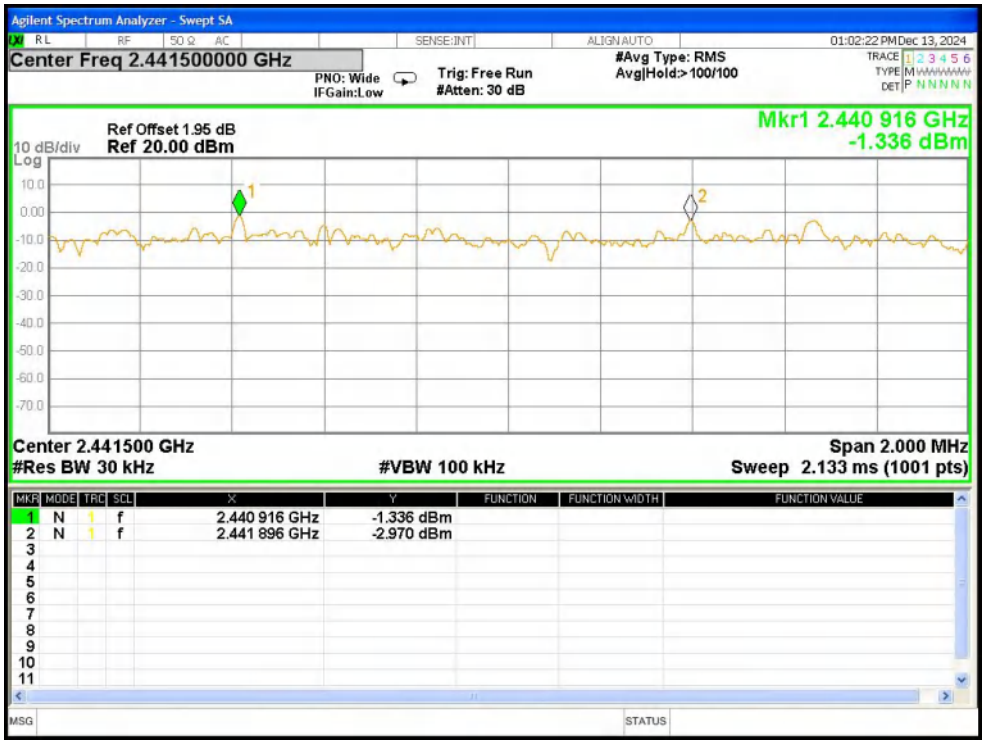
CFS NVNT 1-DH5 2441MHz Ant1



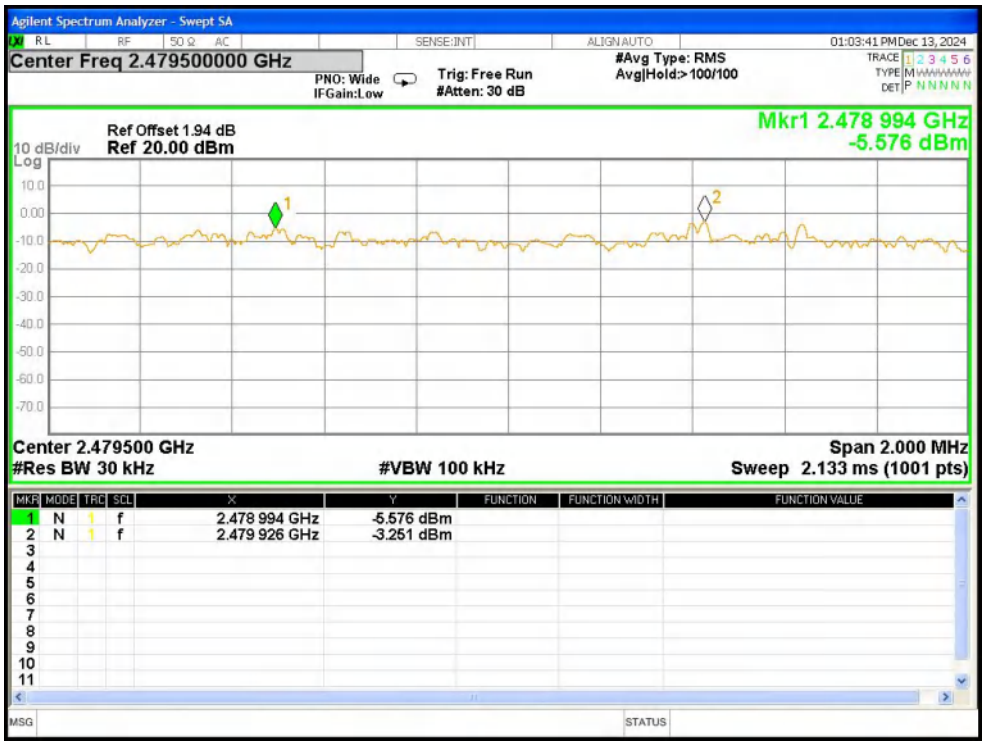
CFS NVNT 1-DH5 2480MHz Ant1



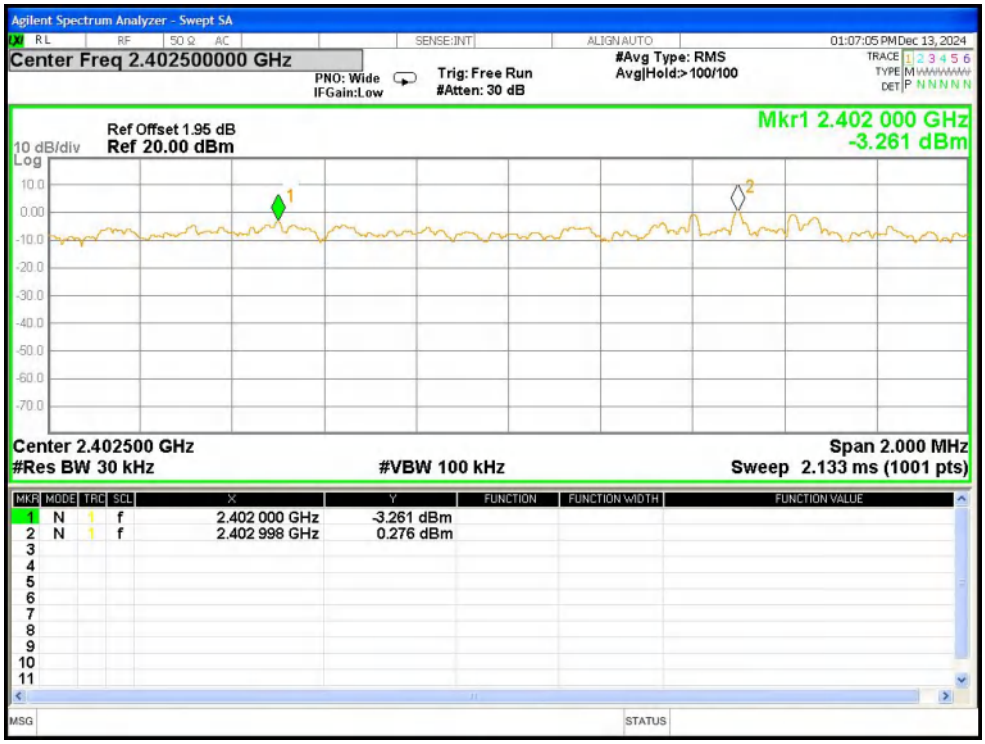
CFS NVNT 2-DH5 2402MHz Ant1



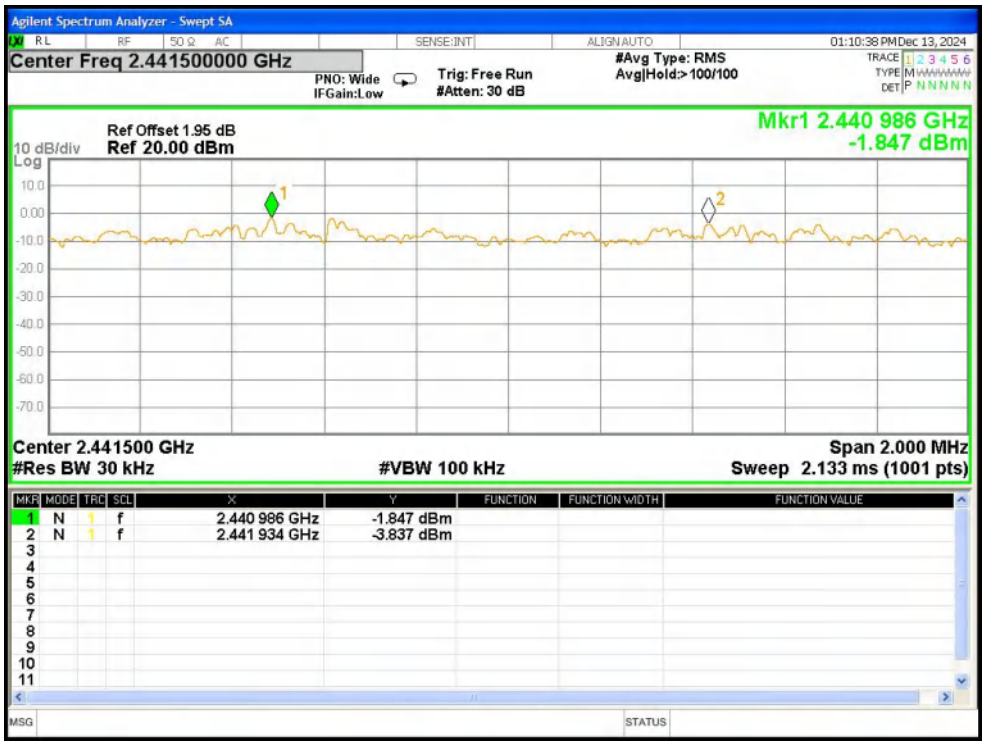
CFS NVNT 2-DH5 2441MHz Ant1



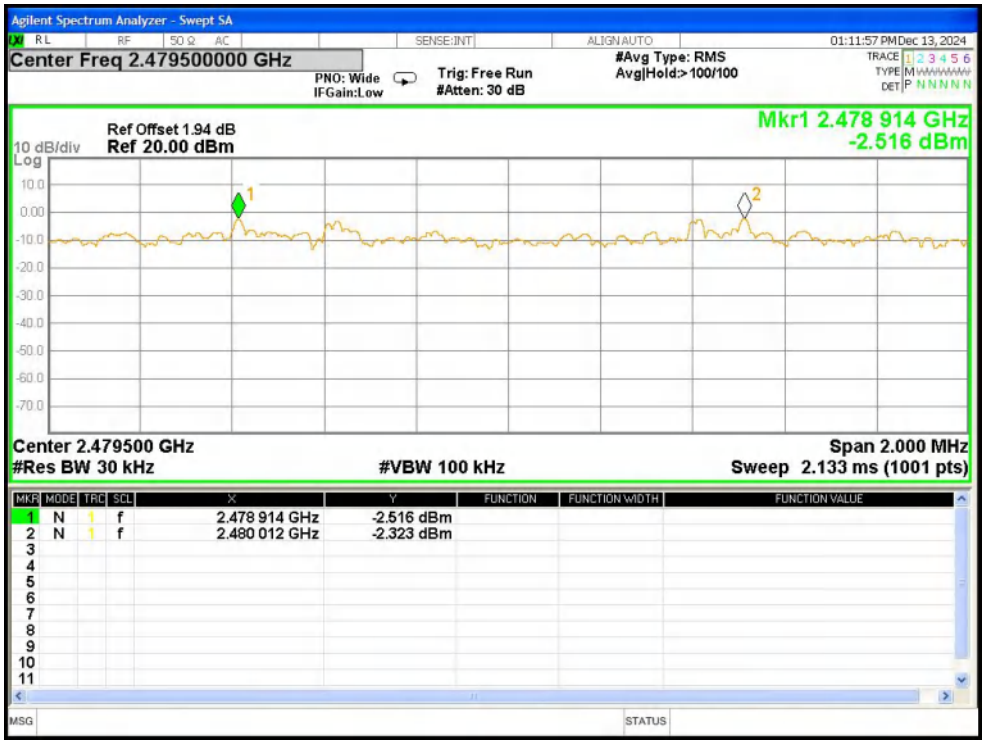
CFS NVNT 2-DH5 2480MHz Ant1



CFS NVNT 3-DH5 2402MHz Ant1



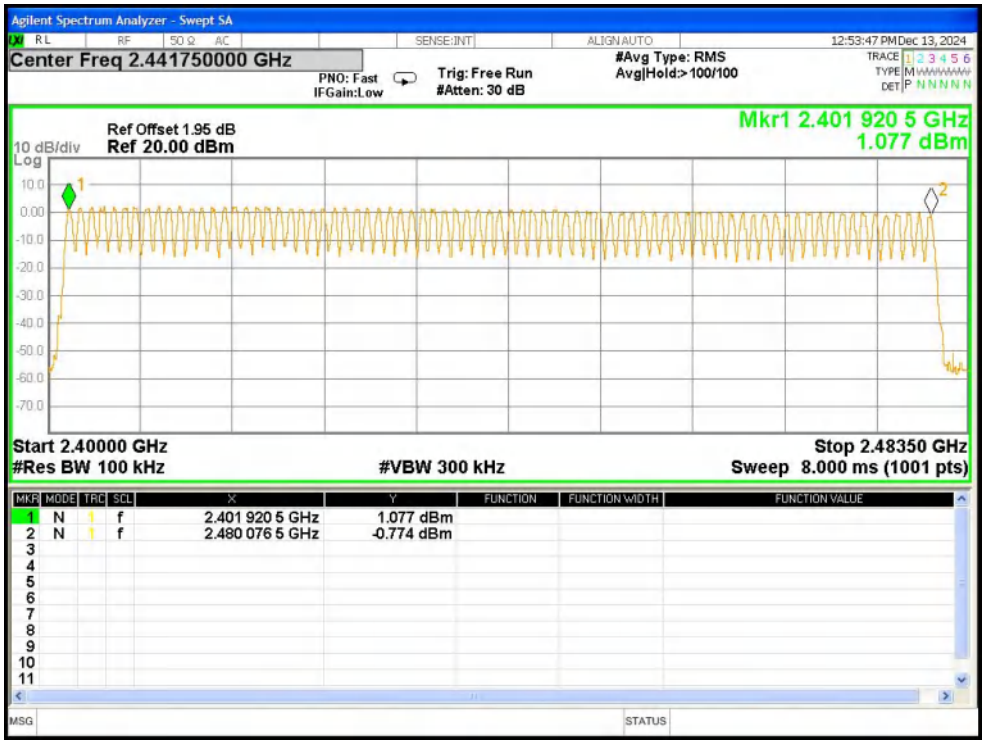
CFS NVNT 3-DH5 2441MHz Ant1



CFS NVNT 3-DH5 2480MHz Ant1

4. 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



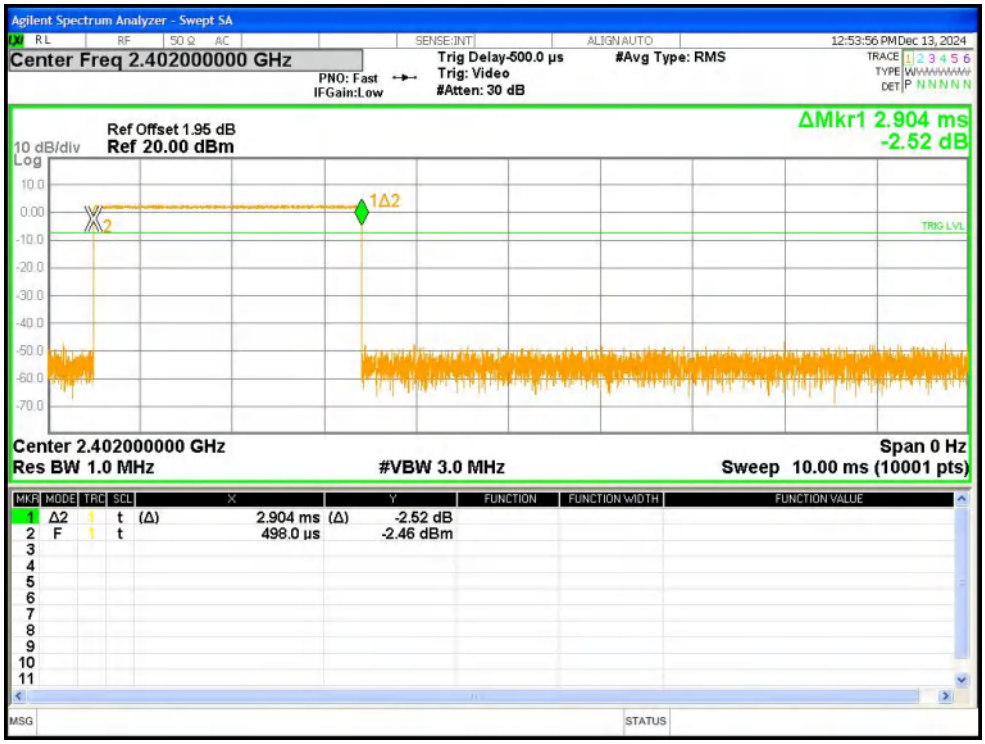
Hopping No. NVNT 1-DH5 2402MHz Ant1

Hopping No. NVNT 2-DH5 2402MHz Ant1

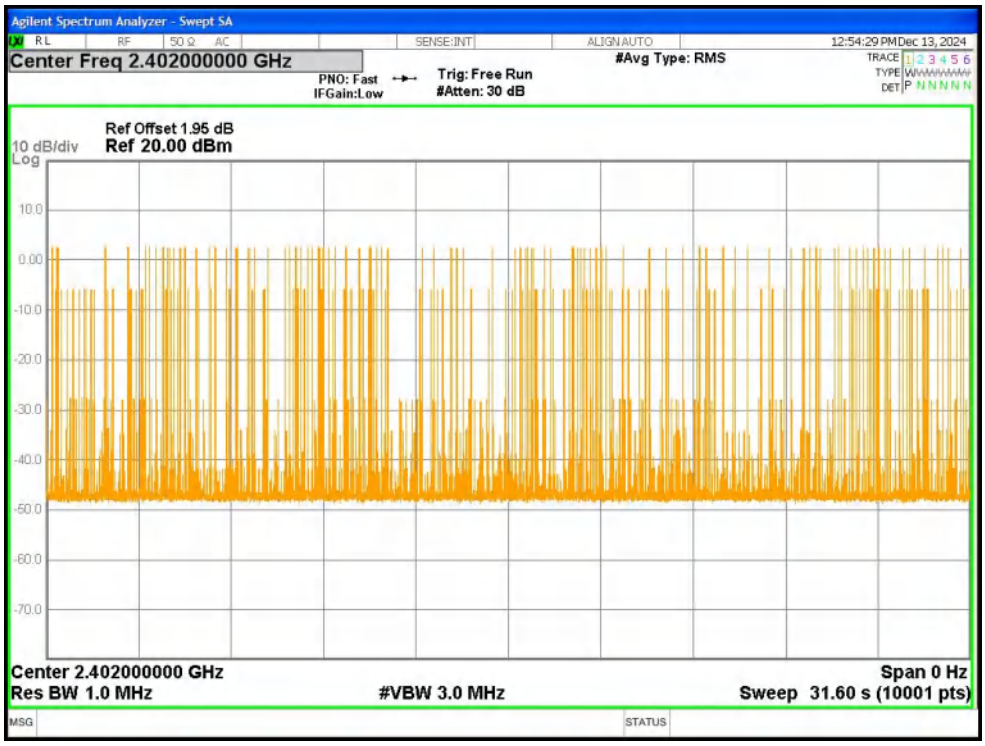
Hopping No. NVNT 3-DH5 2402MHz Ant1

5. Dwell Time

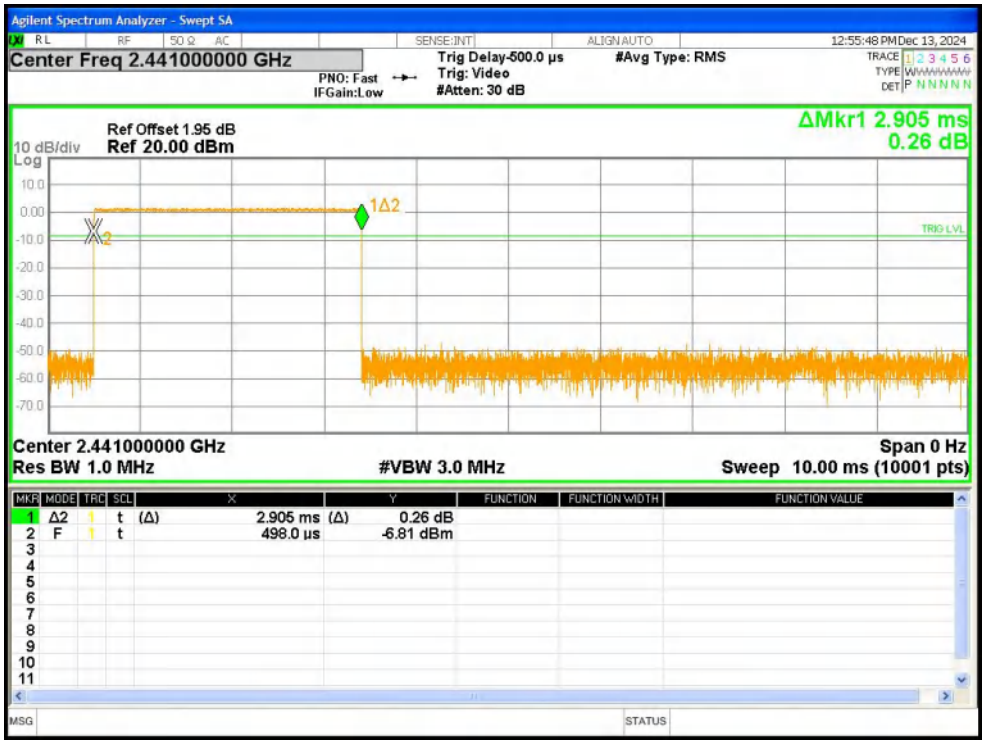
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.904	316.536	109	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.905	310.835	107	31600	400	Pass
NVNT	1-DH5	2480	Ant1	2.905	275.975	95	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.891	283.318	98	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.91	311.37	107	31600	400	Pass
NVNT	2-DH5	2480	Ant1	2.908	316.972	109	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.89	343.91	119	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.891	303.555	105	31600	400	Pass
NVNT	3-DH5	2480	Ant1	2.908	305.34	105	31600	400	Pass



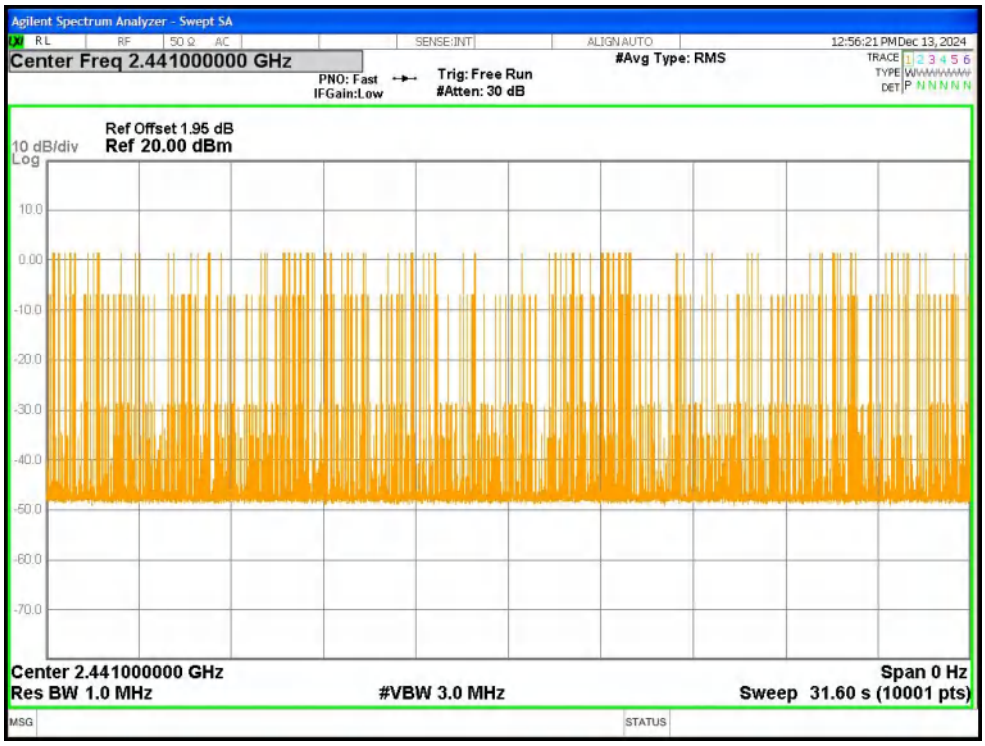
Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

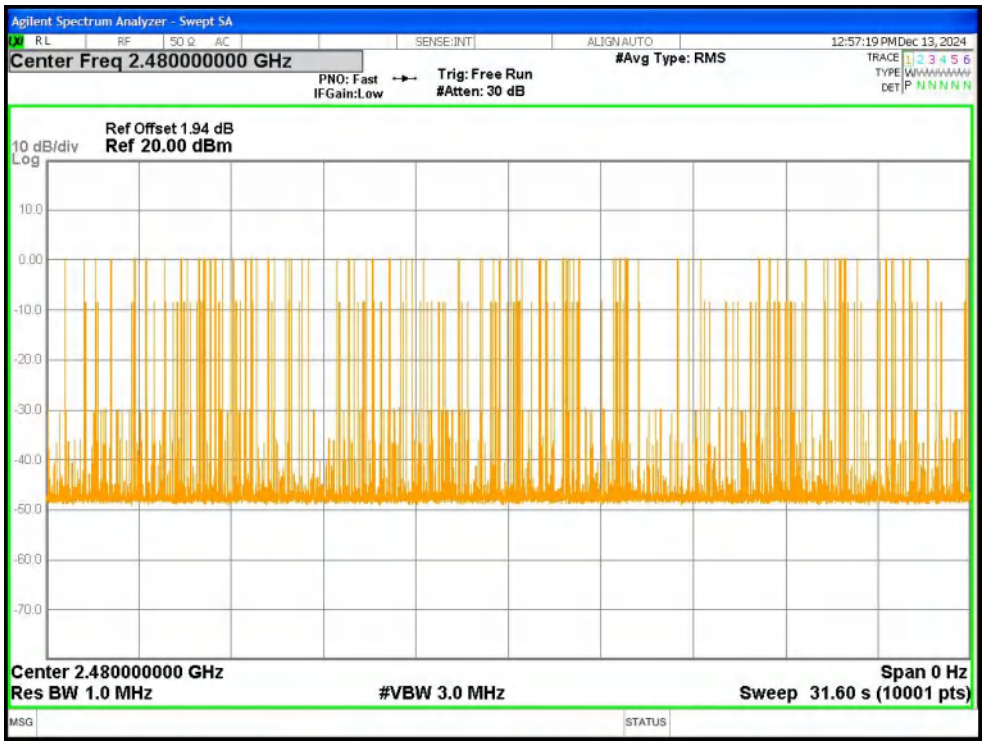


Dwell NVNT 1-DH5 2441MHz Ant1 One Burst



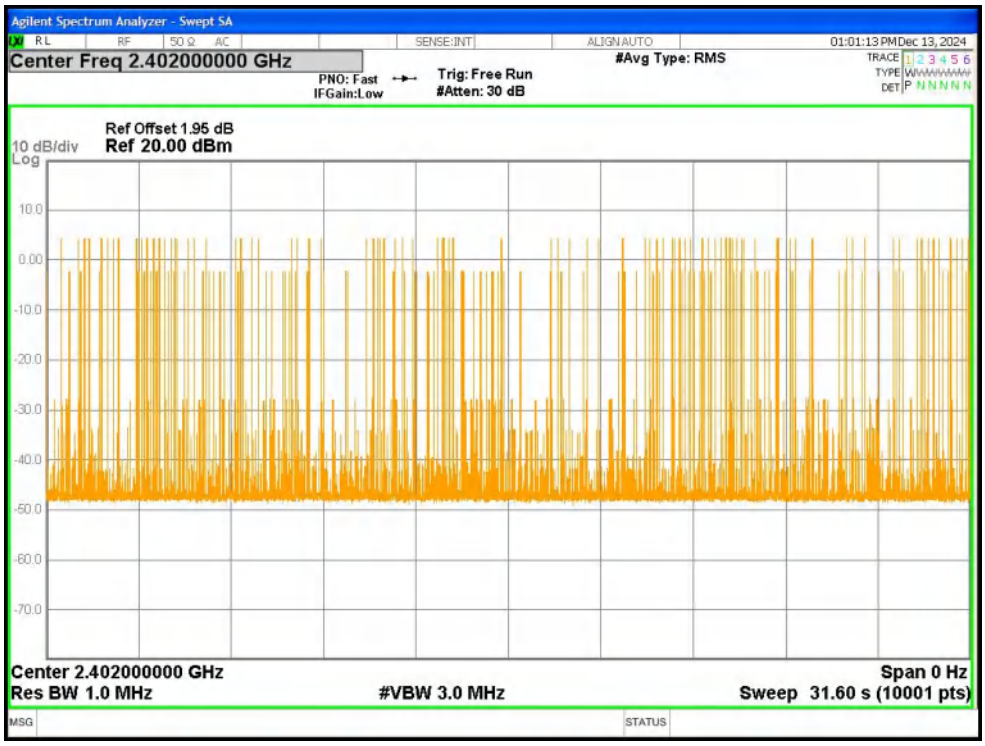
Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated

Dwell NVNT 1-DH5 2480MHz Ant1 One Burst



Dwell NVNT 1-DH5 2480MHz Ant1 Accumulated

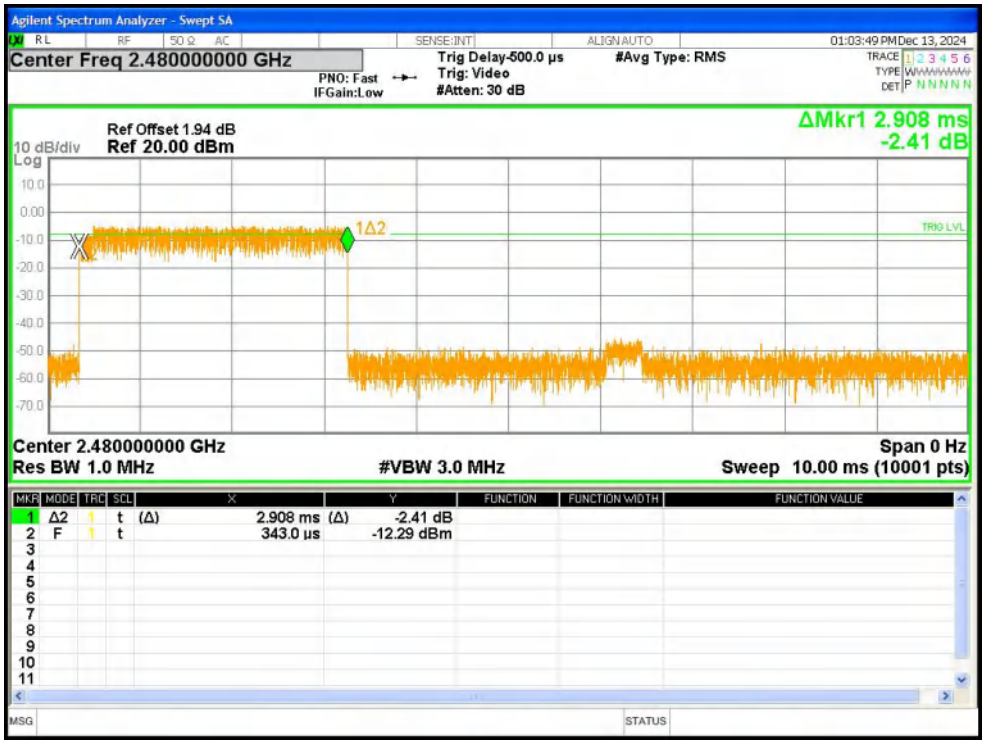
Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



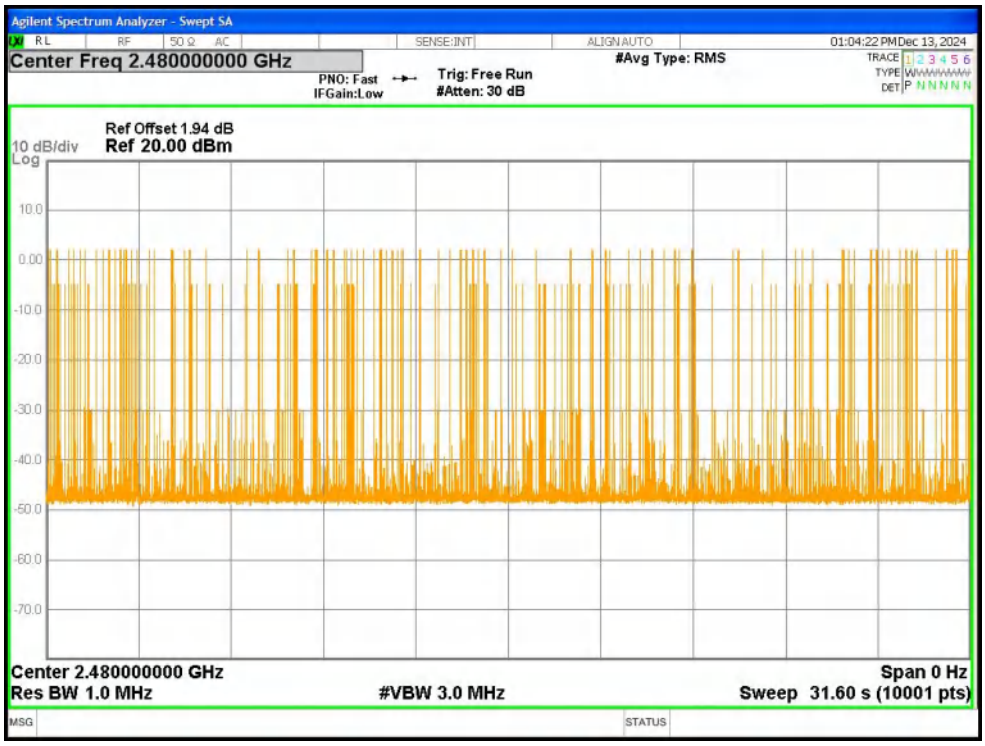
Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated

Dwell NVNT 2-DH5 2441MHz Ant1 One Burst

Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated

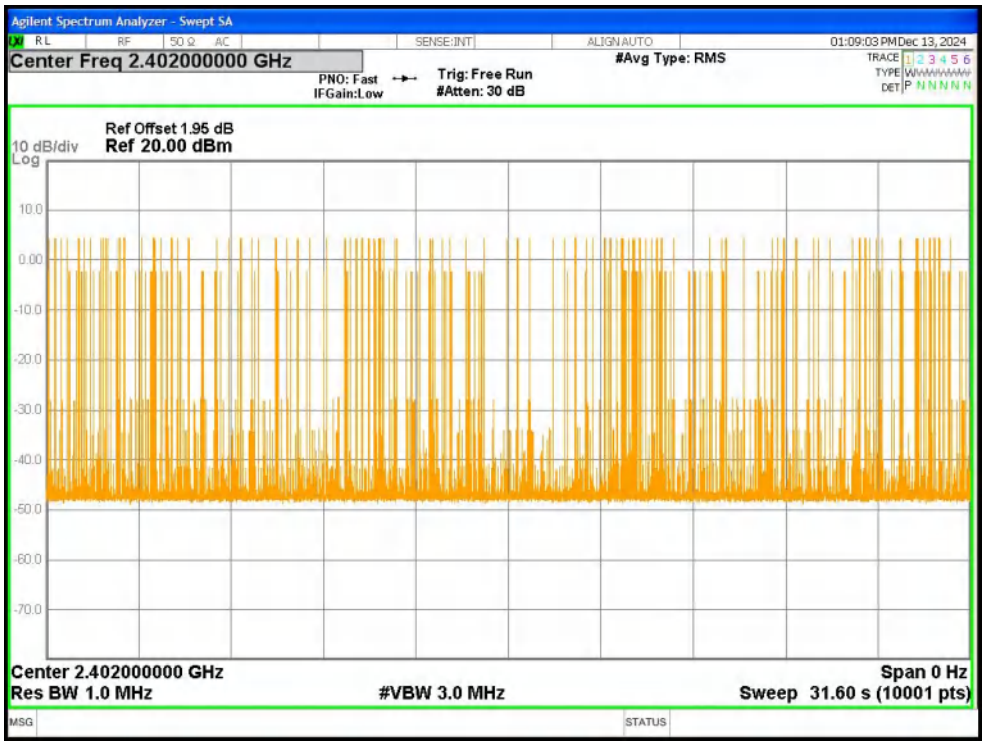


Dwell NVNT 2-DH5 2480MHz Ant1 One Burst



Dwell NVNT 2-DH5 2480MHz Ant1 Accumulated

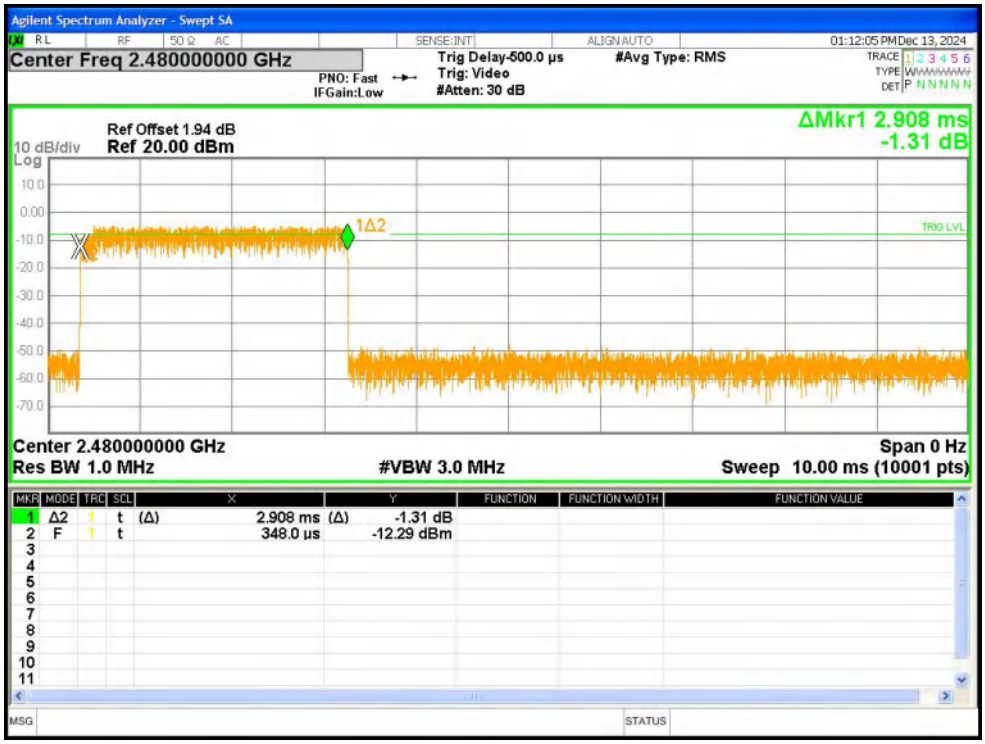
Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



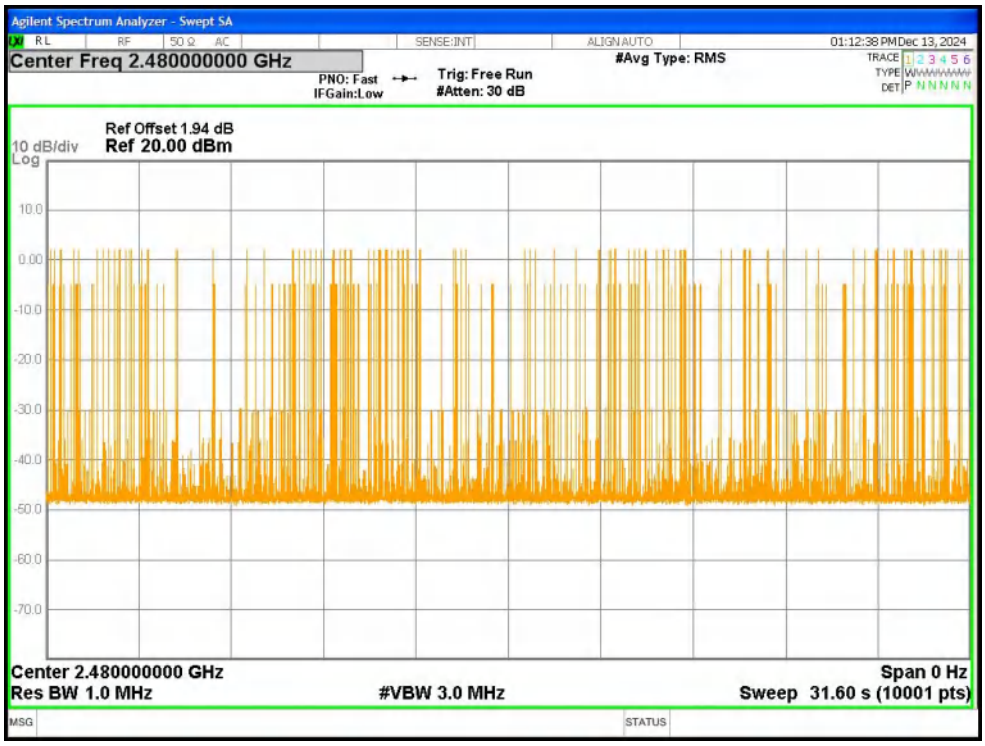
Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated

Dwell NVNT 3-DH5 2441MHz Ant1 One Burst

Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated



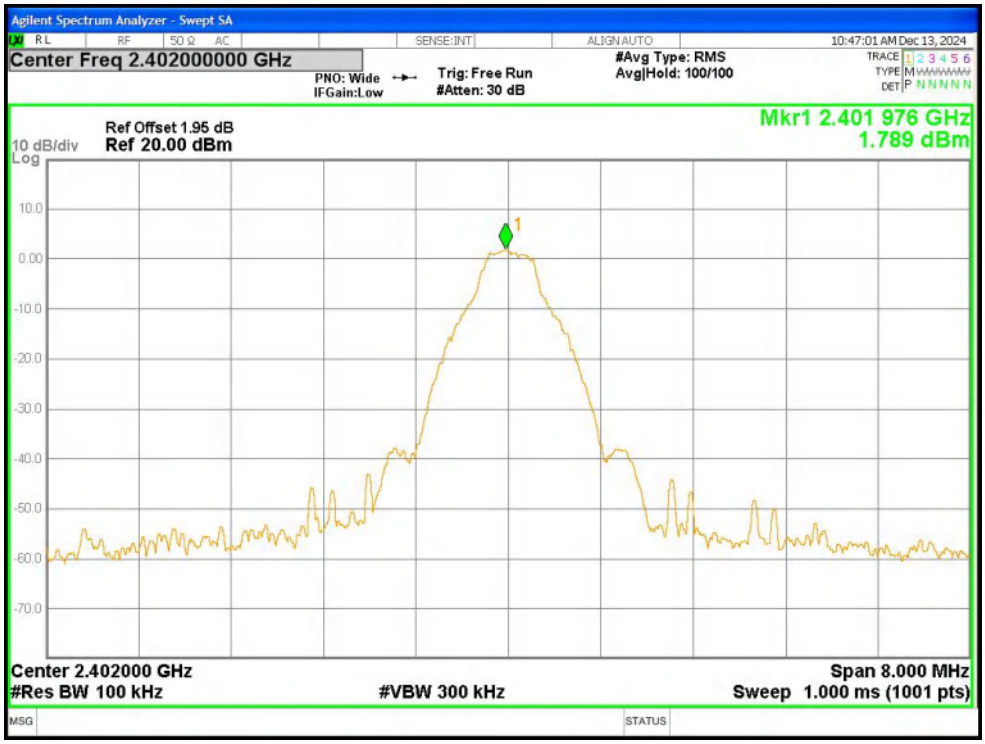
Dwell NVNT 3-DH5 2480MHz Ant1 One Burst



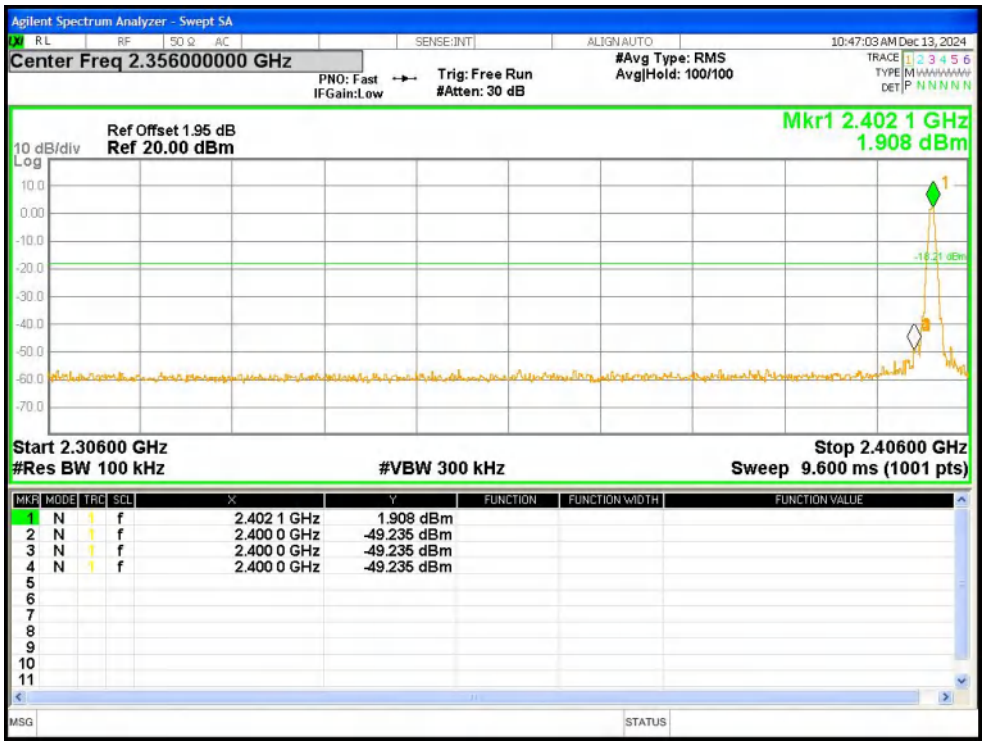
Dwell NVNT 3-DH5 2480MHz Ant1 Accumulated

6. Band Edge

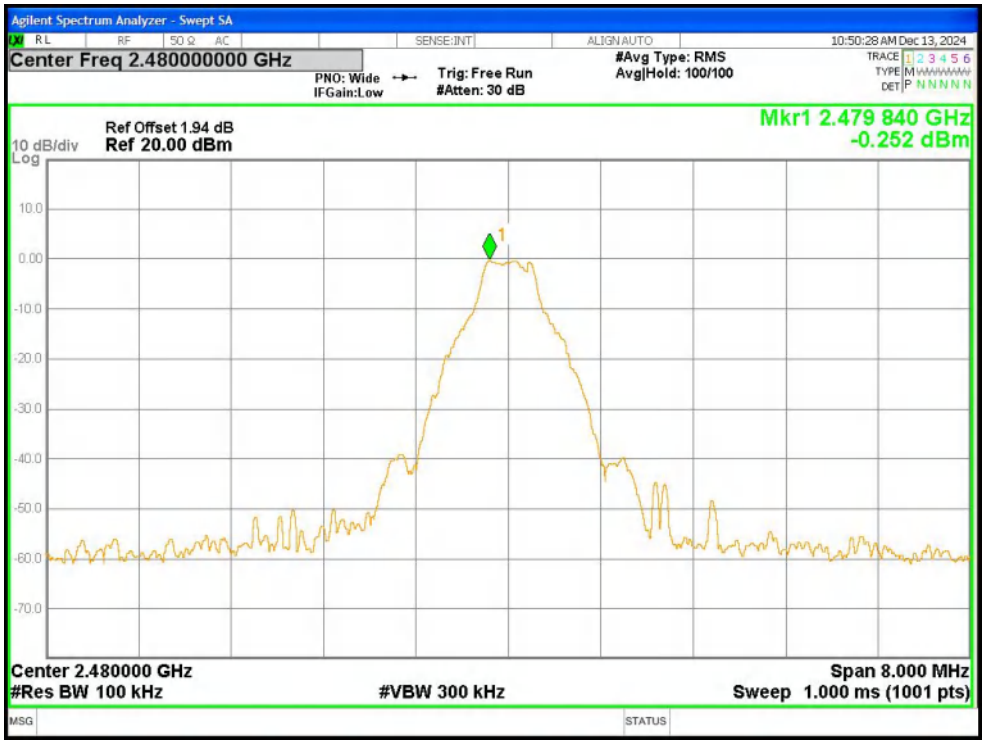
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-51.02	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-54.44	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-52.89	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-56.26	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-52.06	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-54.97	-20	Pass



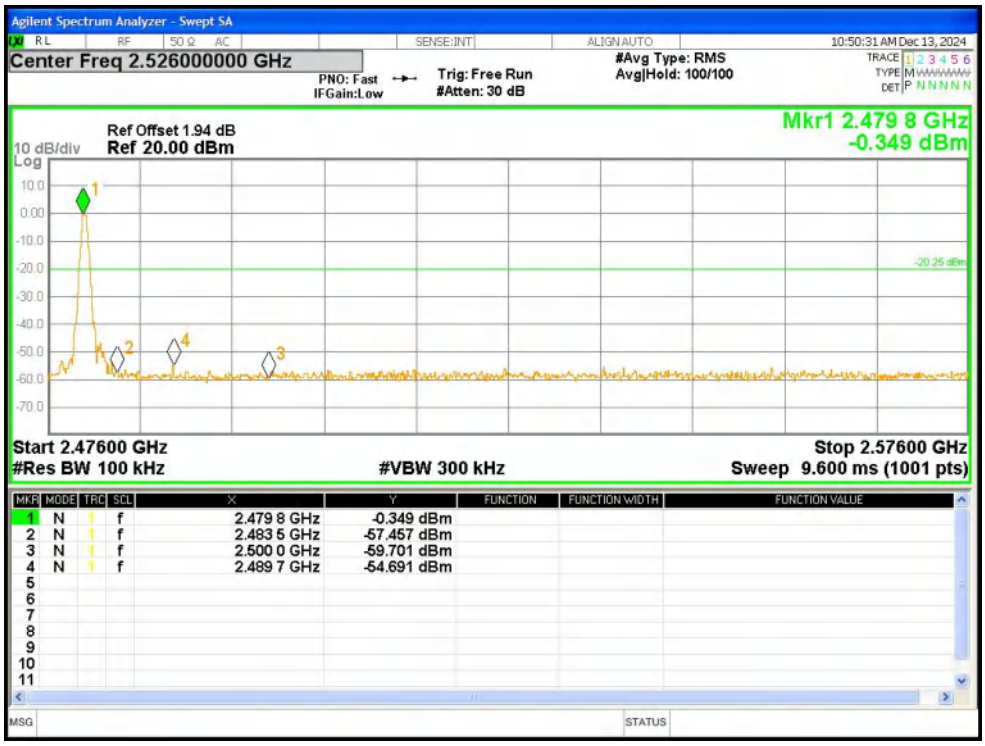
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



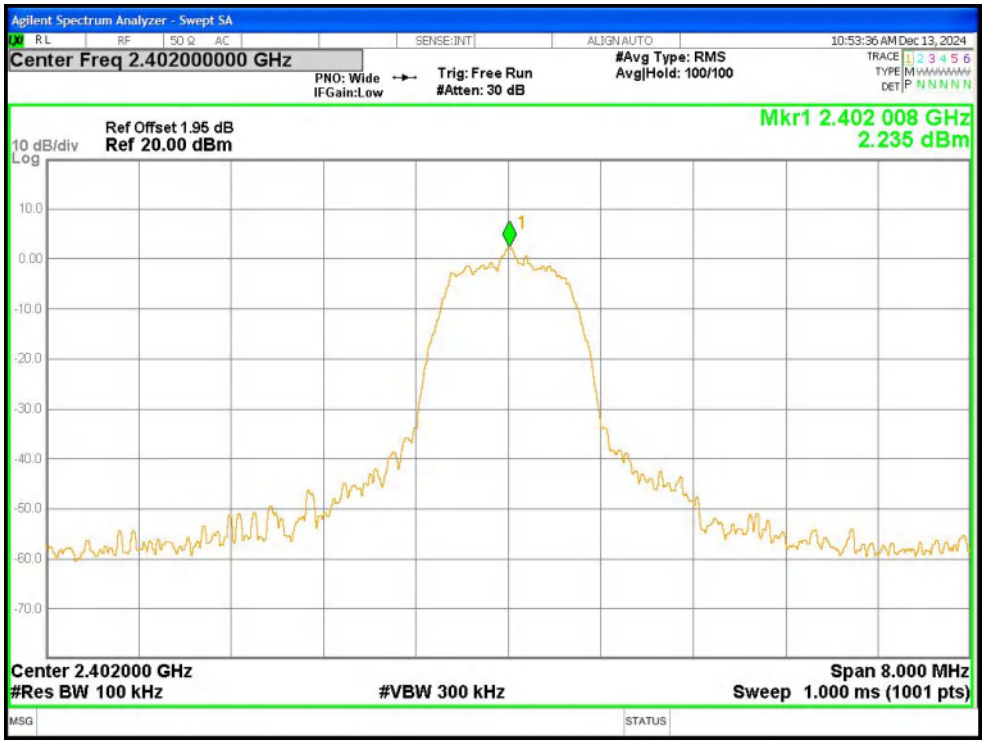
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



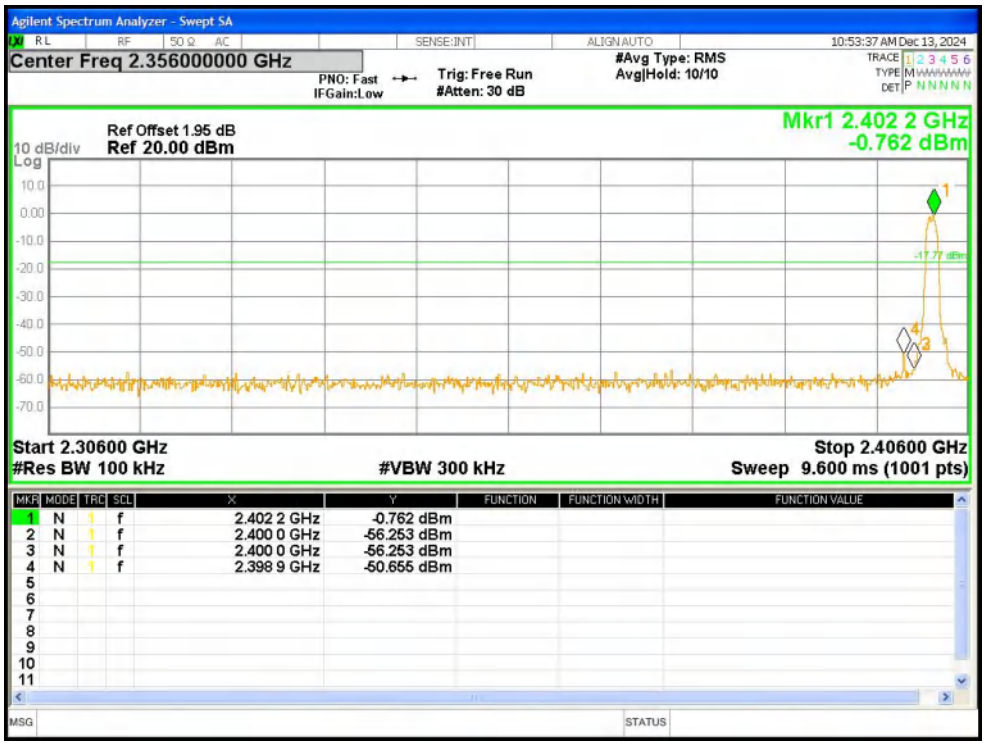
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



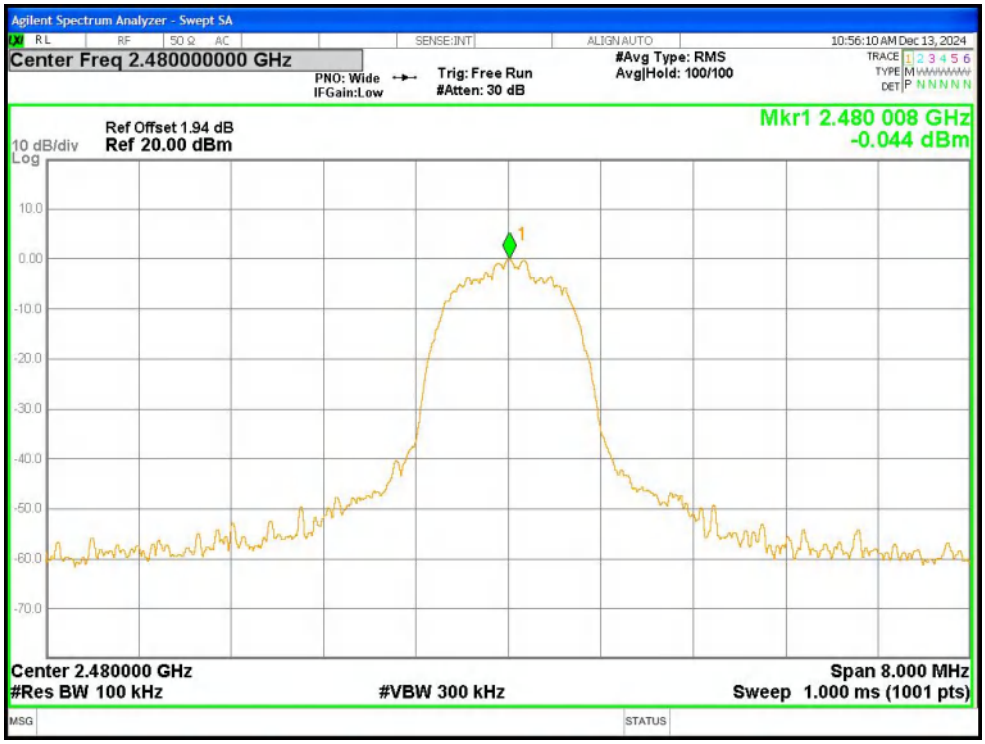
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



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



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



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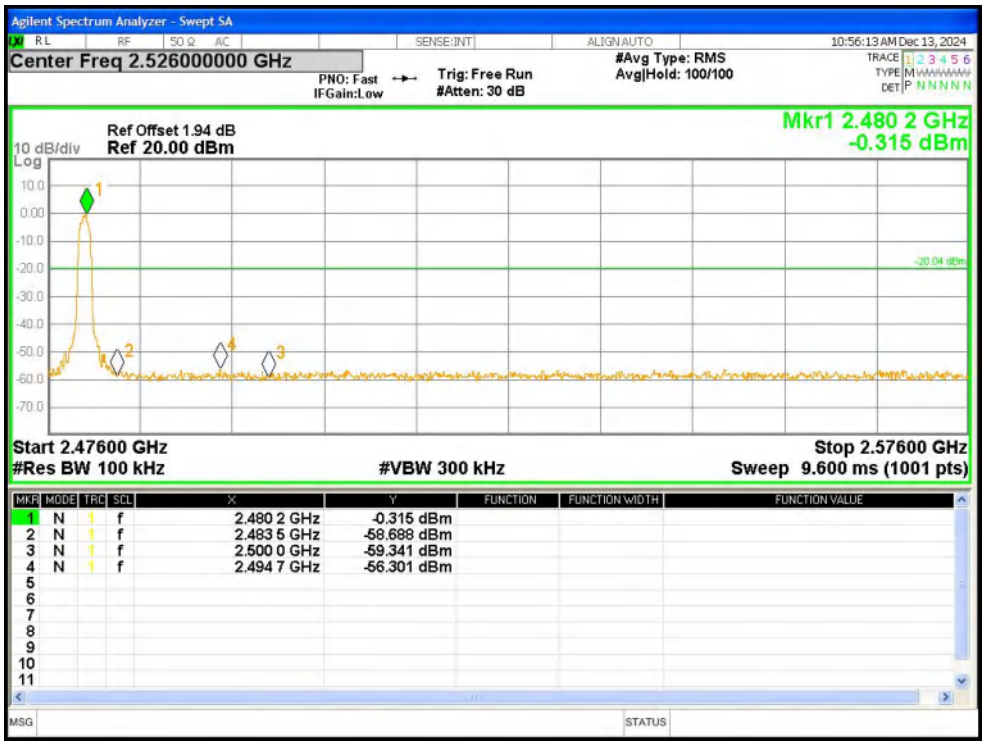
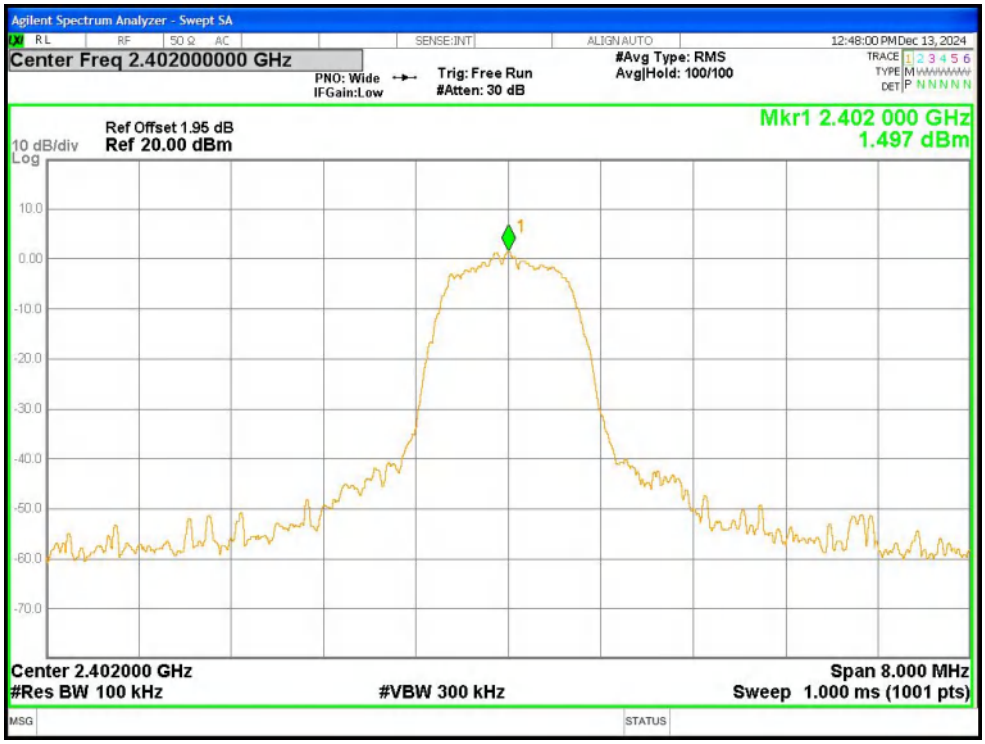
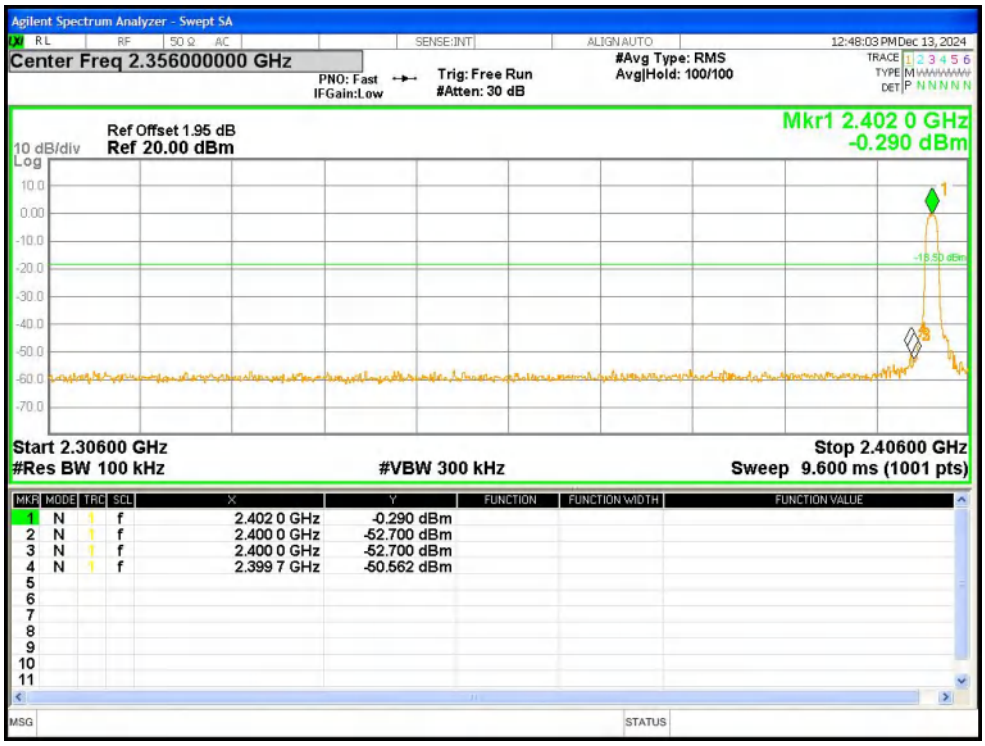


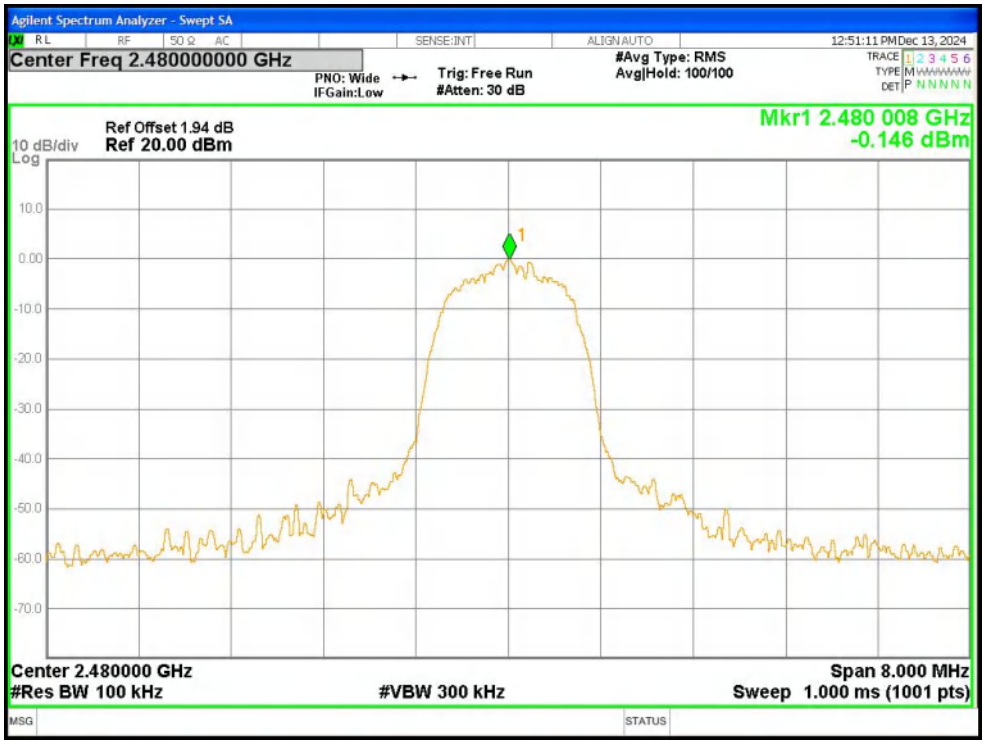
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



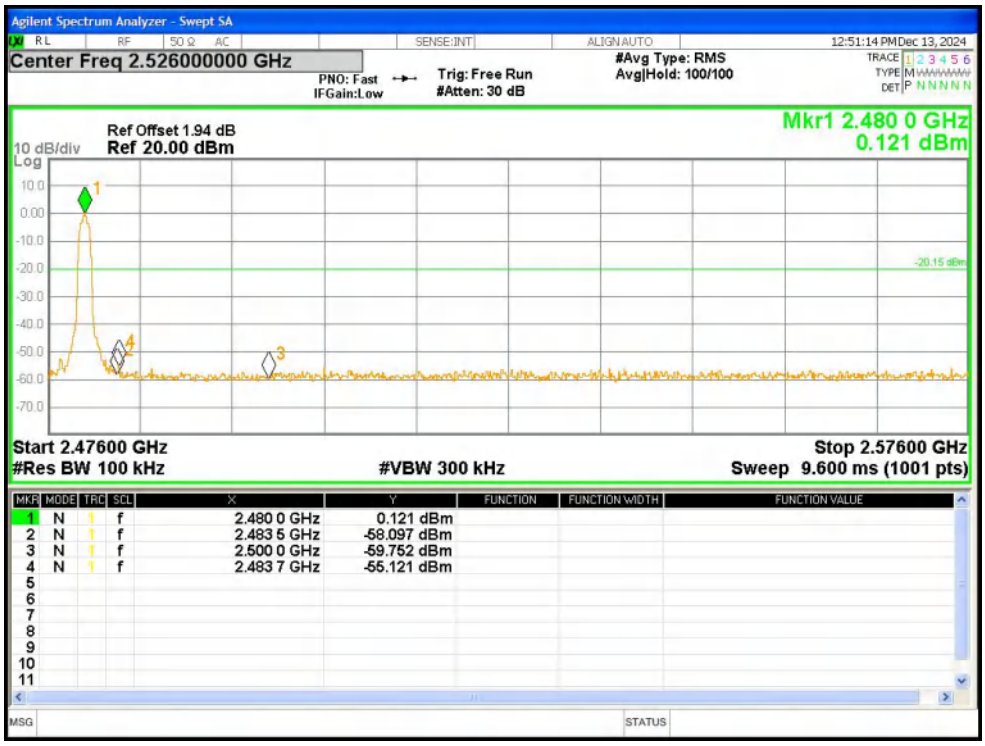
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



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

7. Band Edge(Hopping)

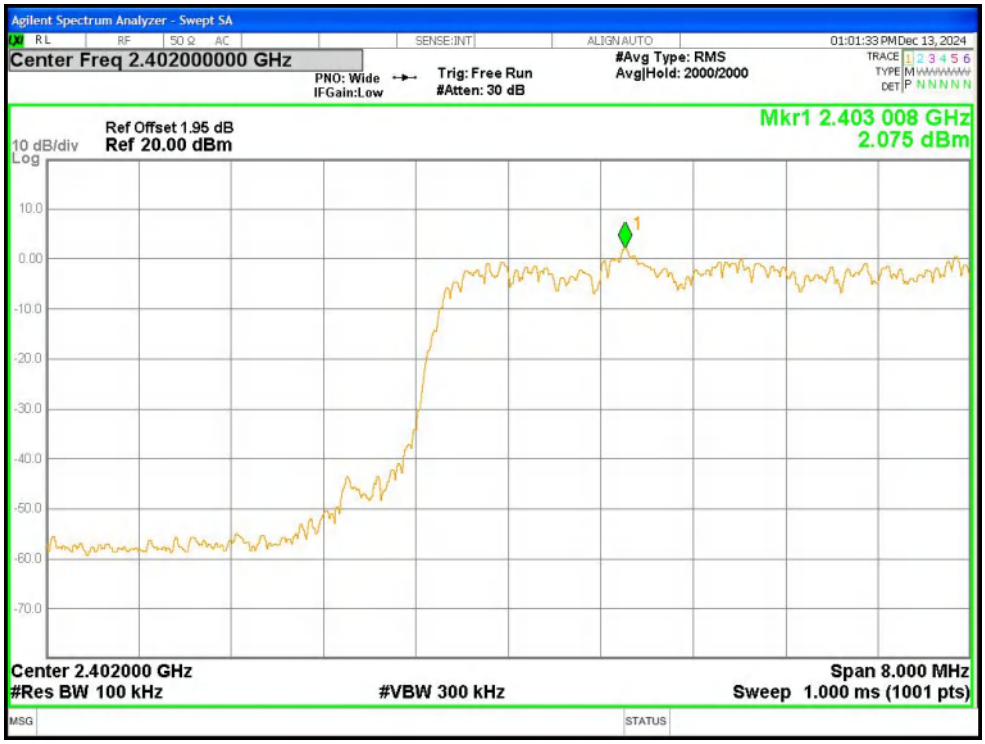
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-57.44	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-55.47	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-57.27	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-54.78	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-57.12	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-54.35	-20	Pass

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

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

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

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

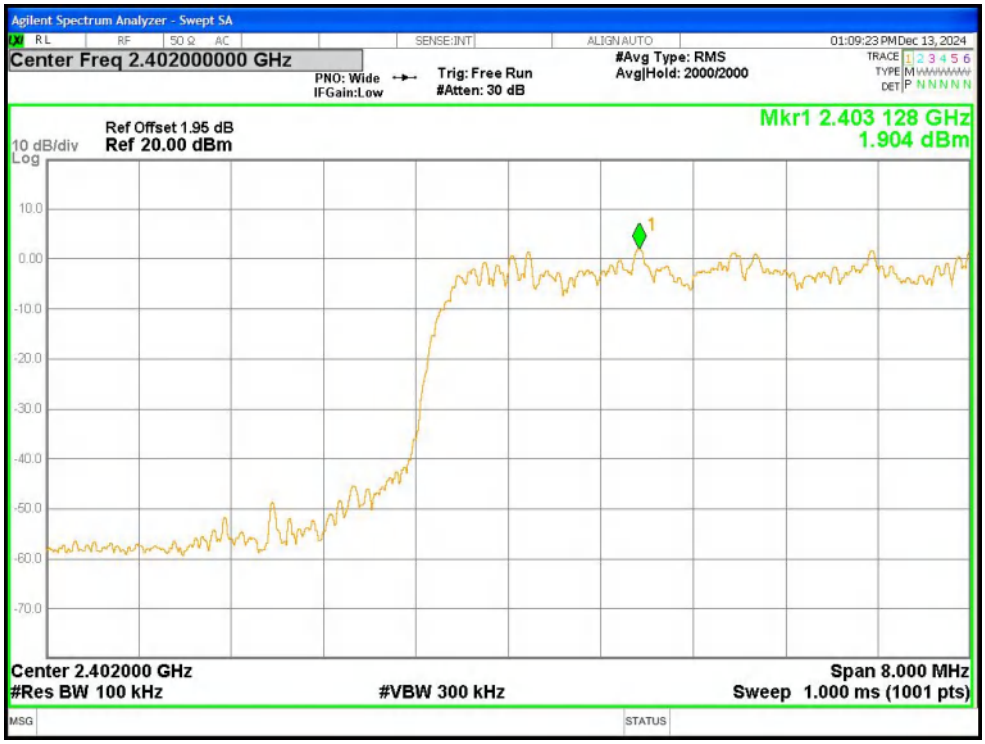


Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref

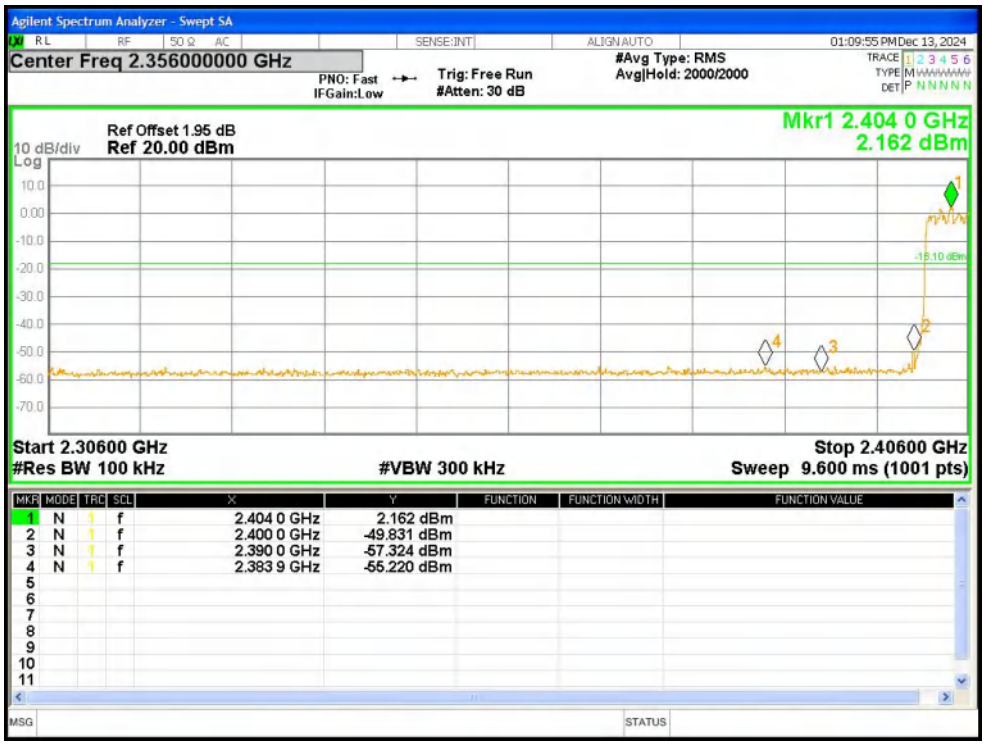
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission

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



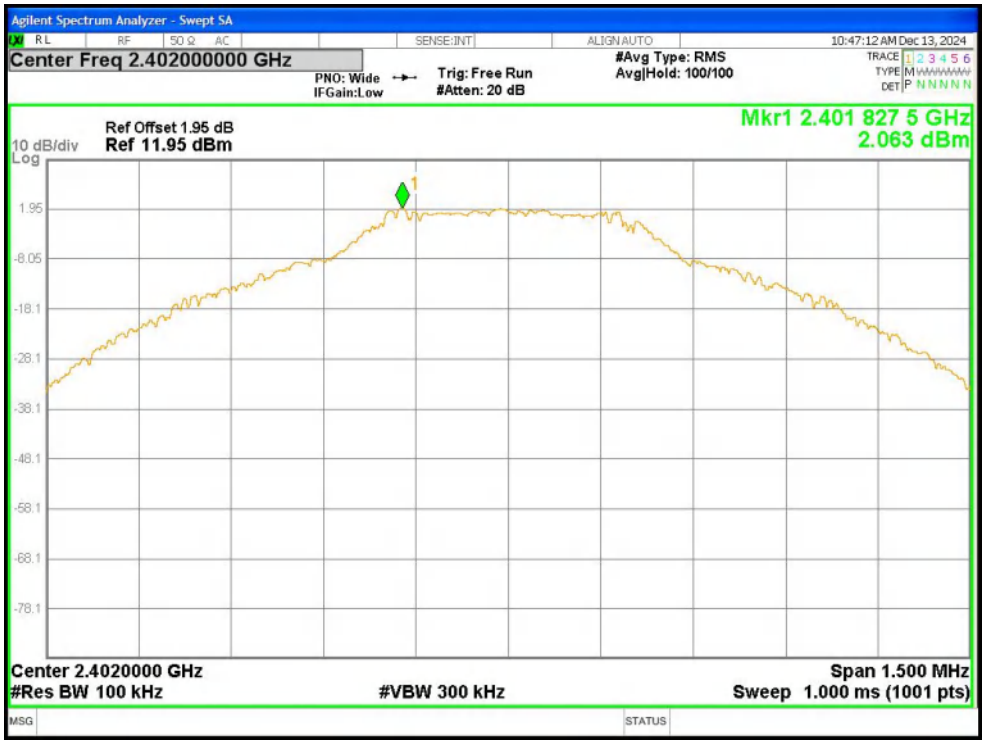
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission

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

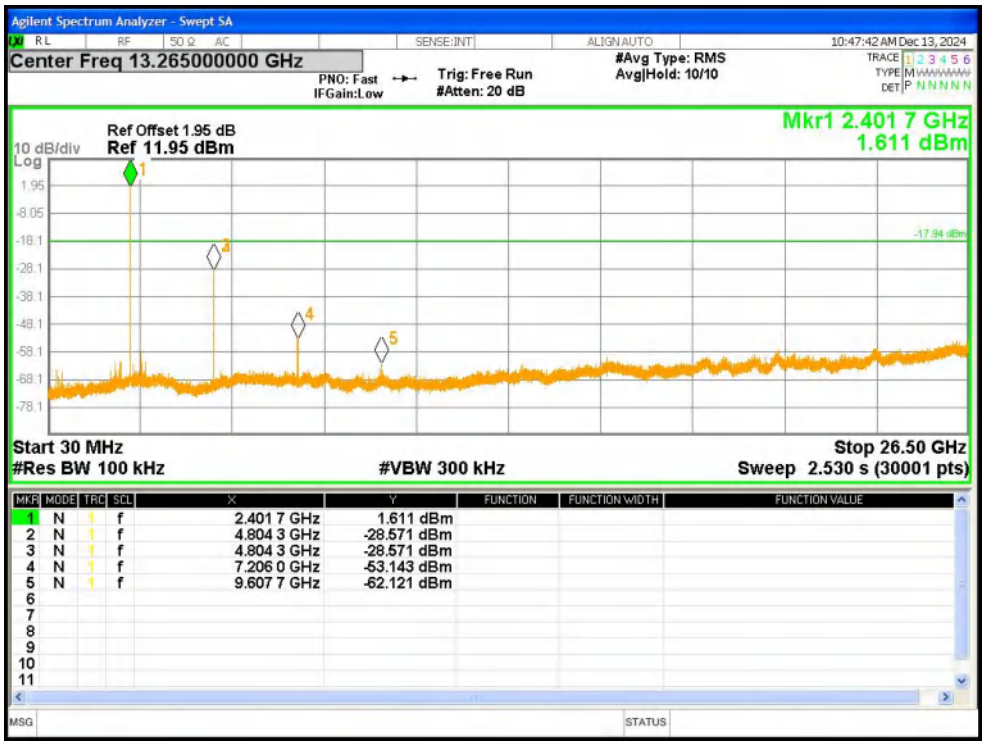
Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission

8. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-30.63	-20	Pass
NVNT	1-DH5	2441	Ant1	-29.33	-20	Pass
NVNT	1-DH5	2480	Ant1	-31.46	-20	Pass
NVNT	2-DH5	2402	Ant1	-31.62	-20	Pass
NVNT	2-DH5	2441	Ant1	-29.22	-20	Pass
NVNT	2-DH5	2480	Ant1	-31.48	-20	Pass
NVNT	3-DH5	2402	Ant1	-30.21	-20	Pass
NVNT	3-DH5	2441	Ant1	-32.6	-20	Pass
NVNT	3-DH5	2480	Ant1	-32.86	-20	Pass



Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



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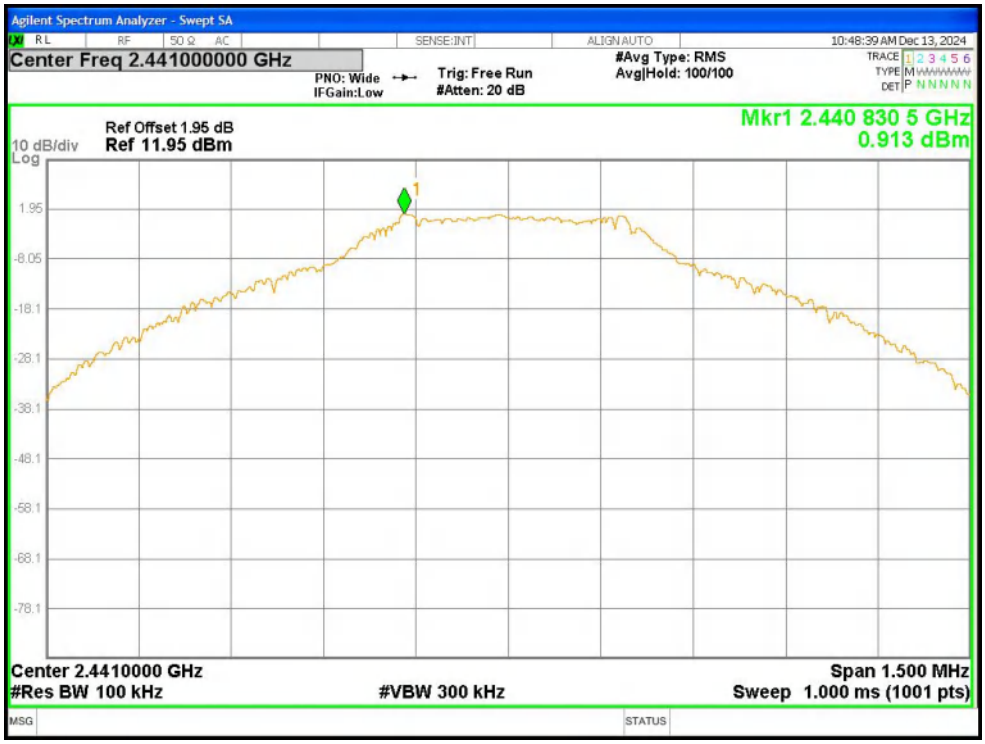
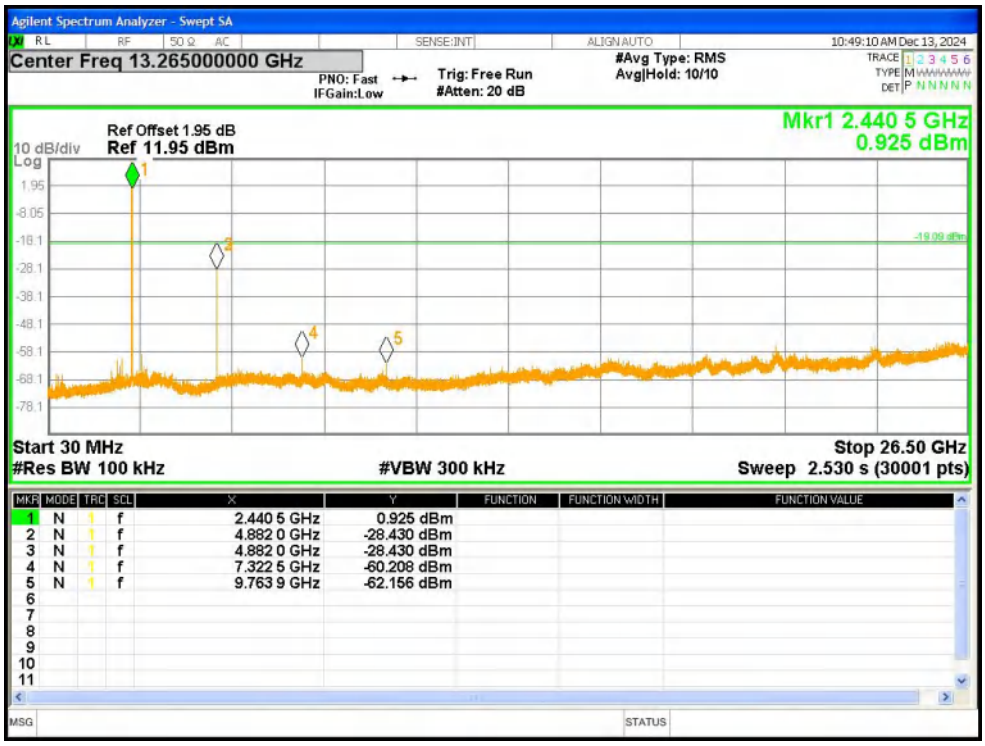
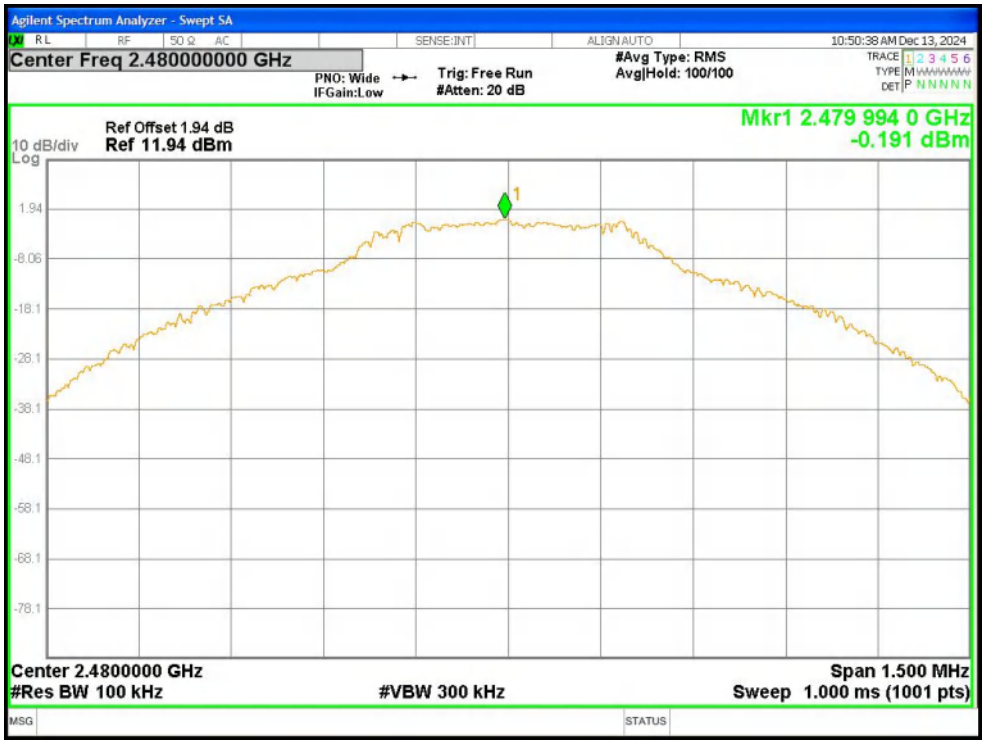


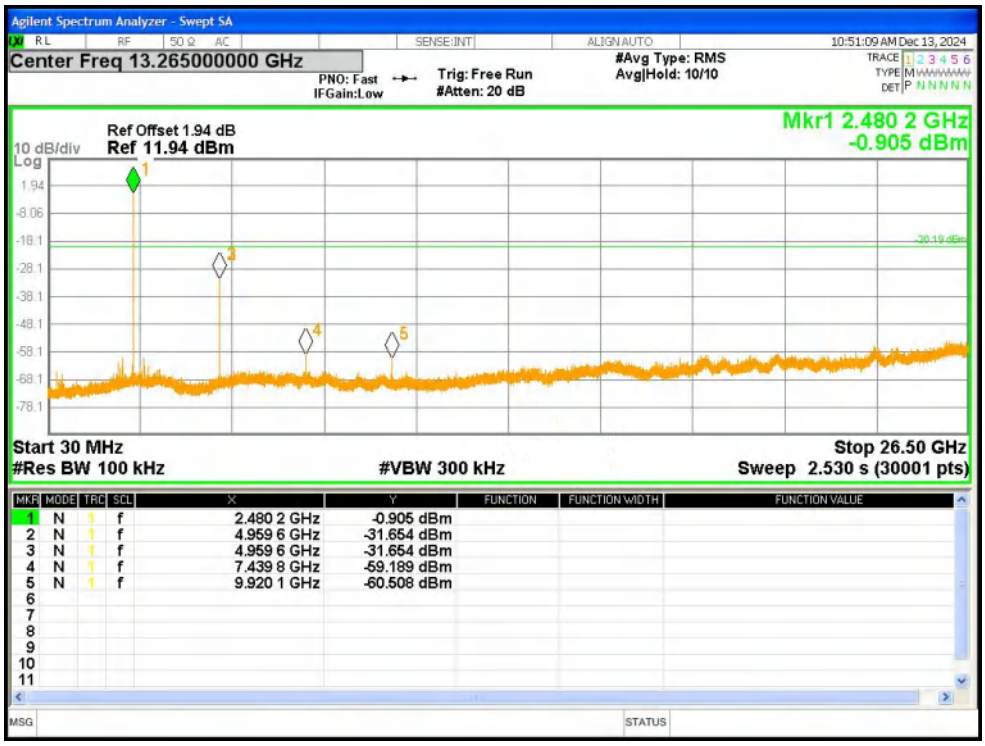
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



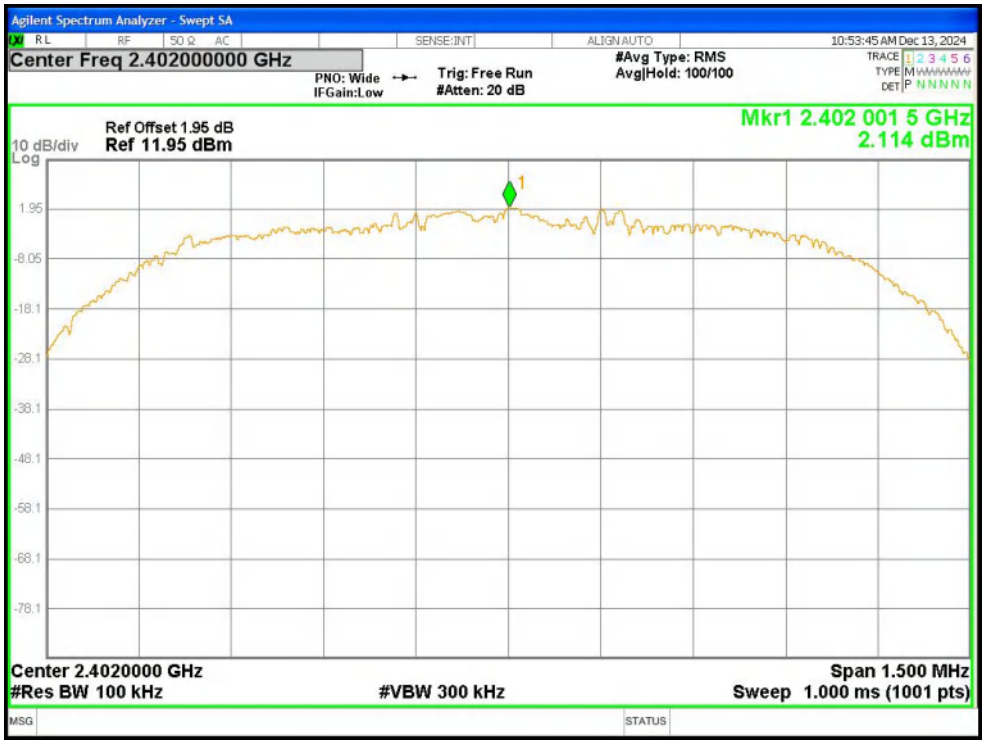
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



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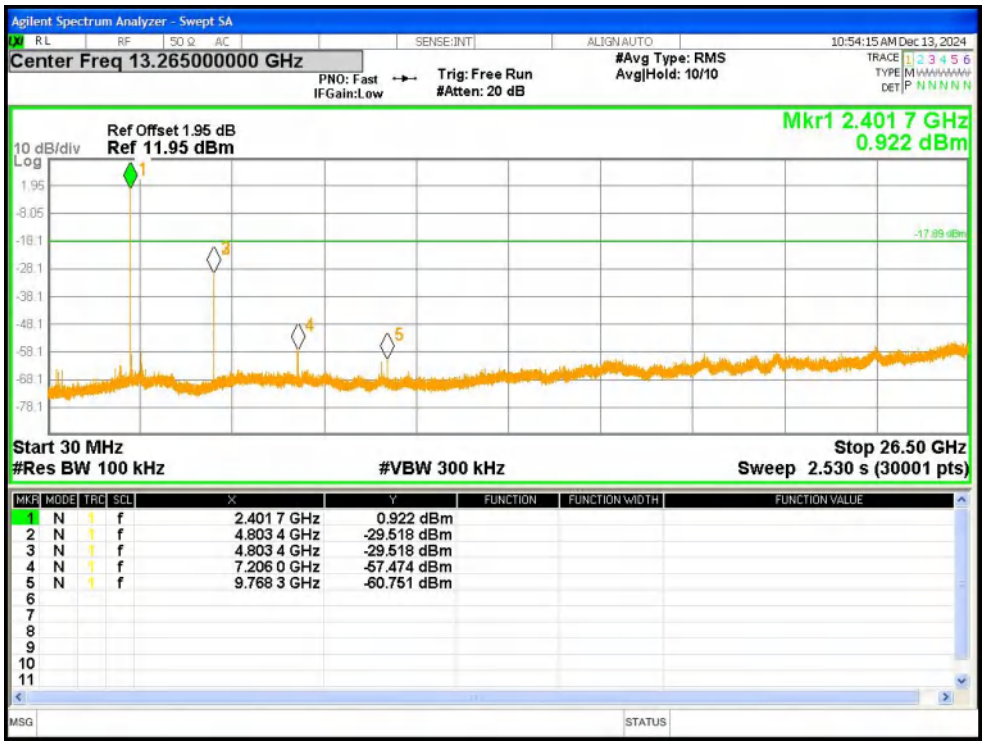

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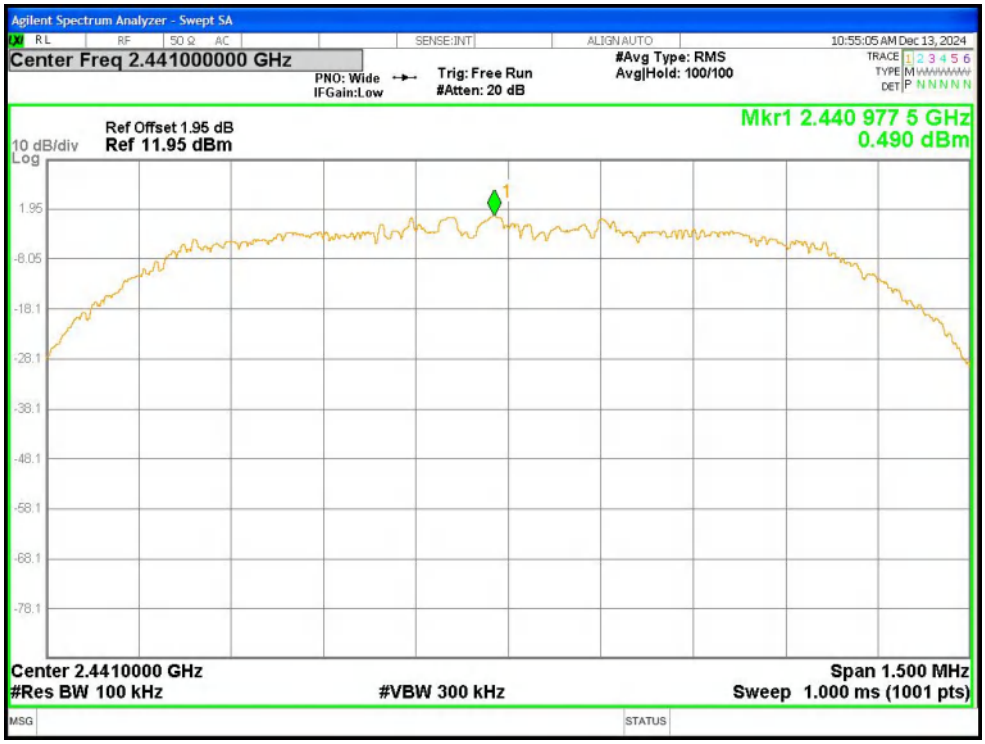

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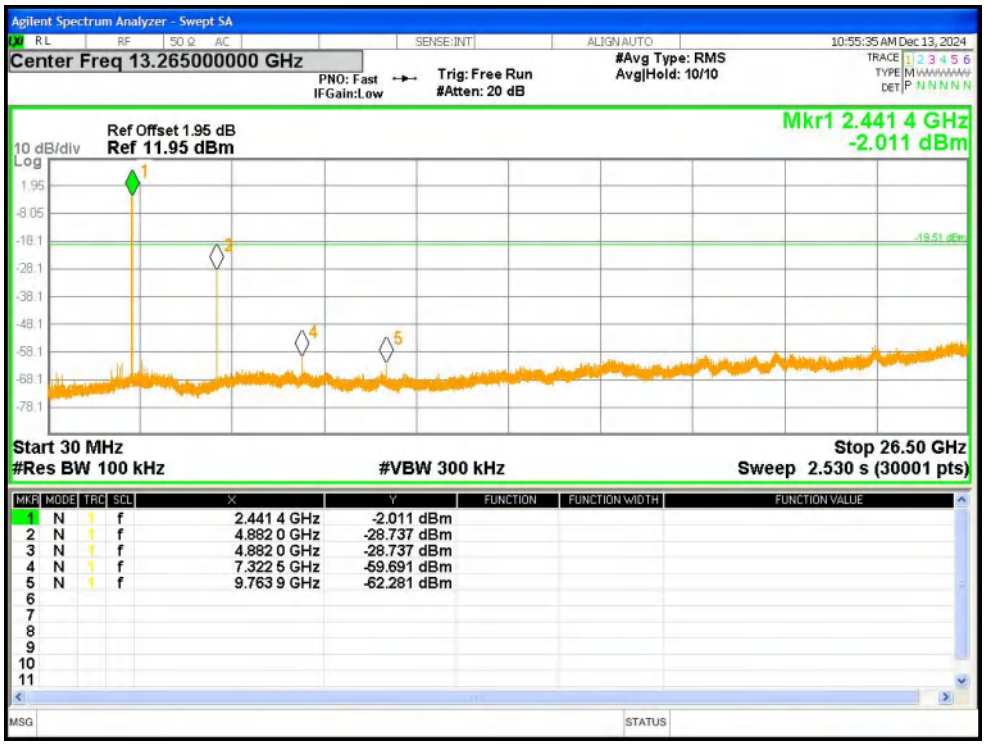

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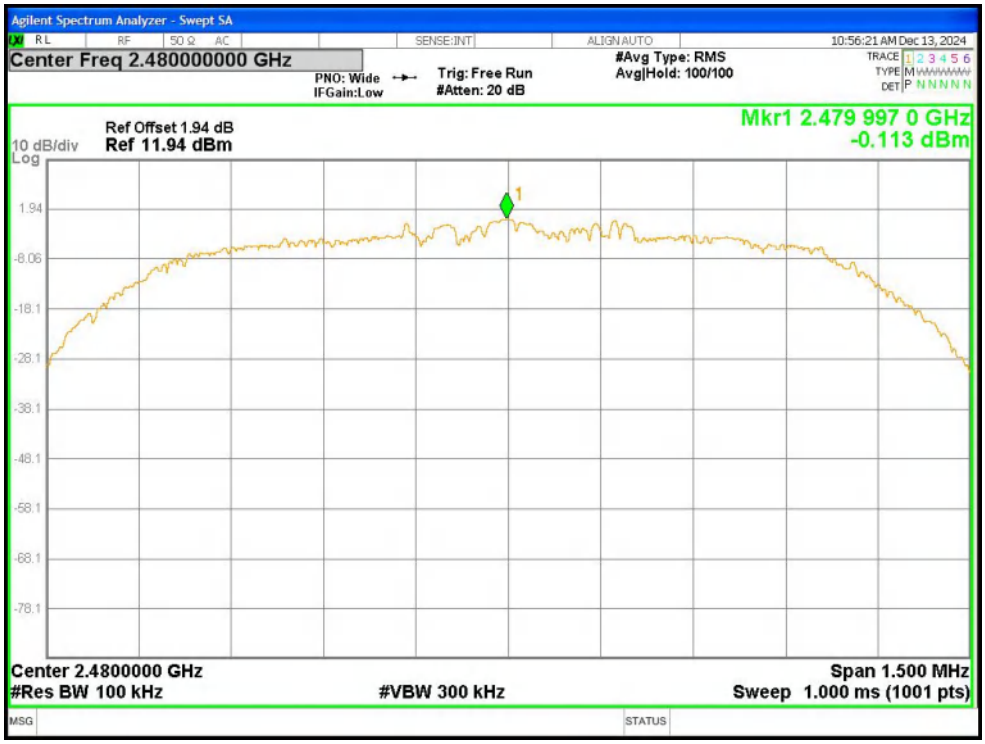
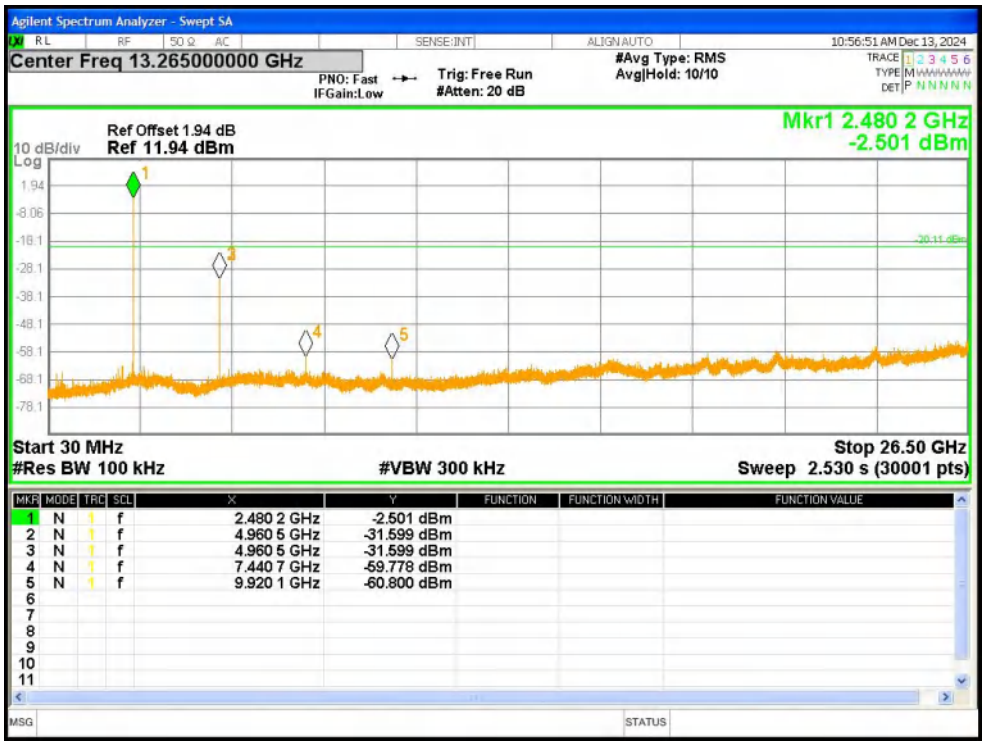
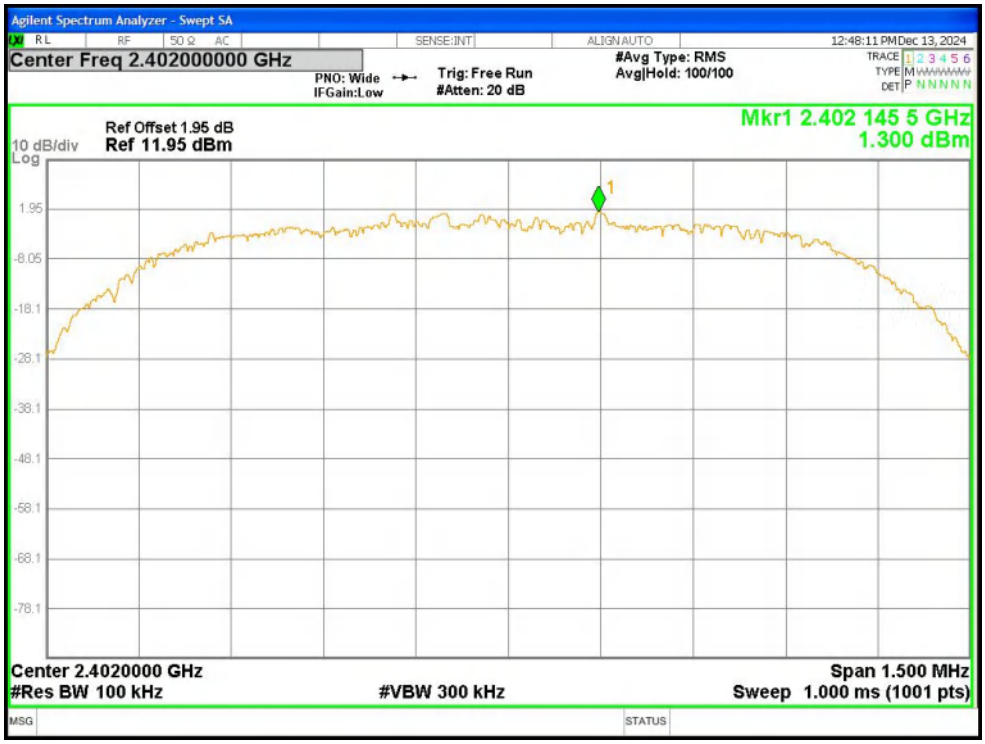


Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission



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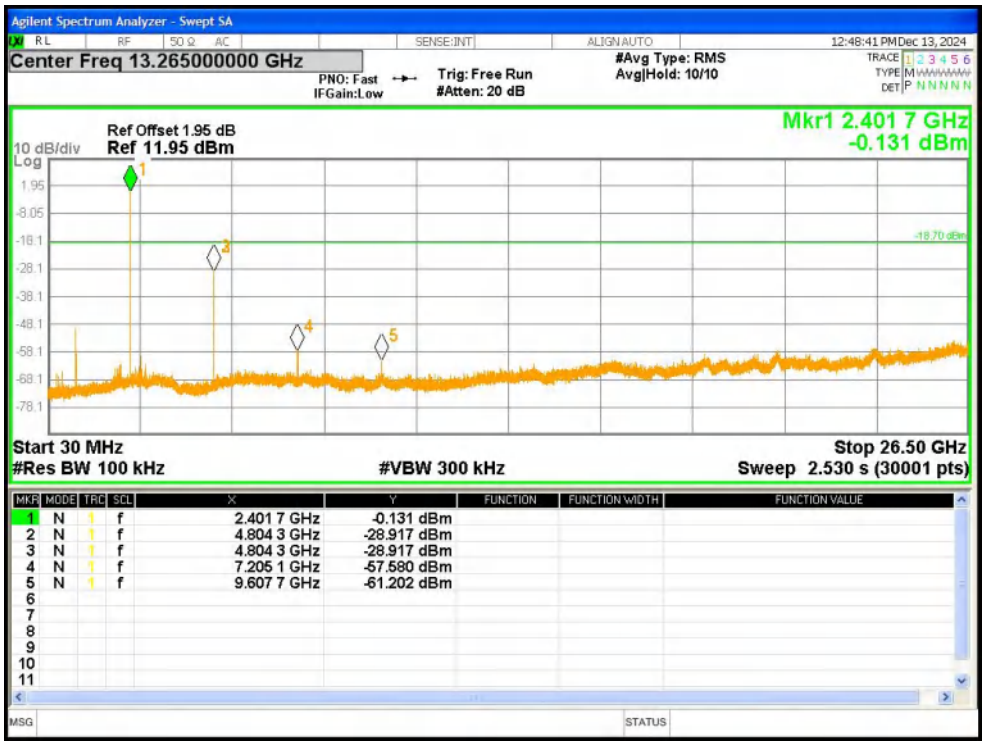
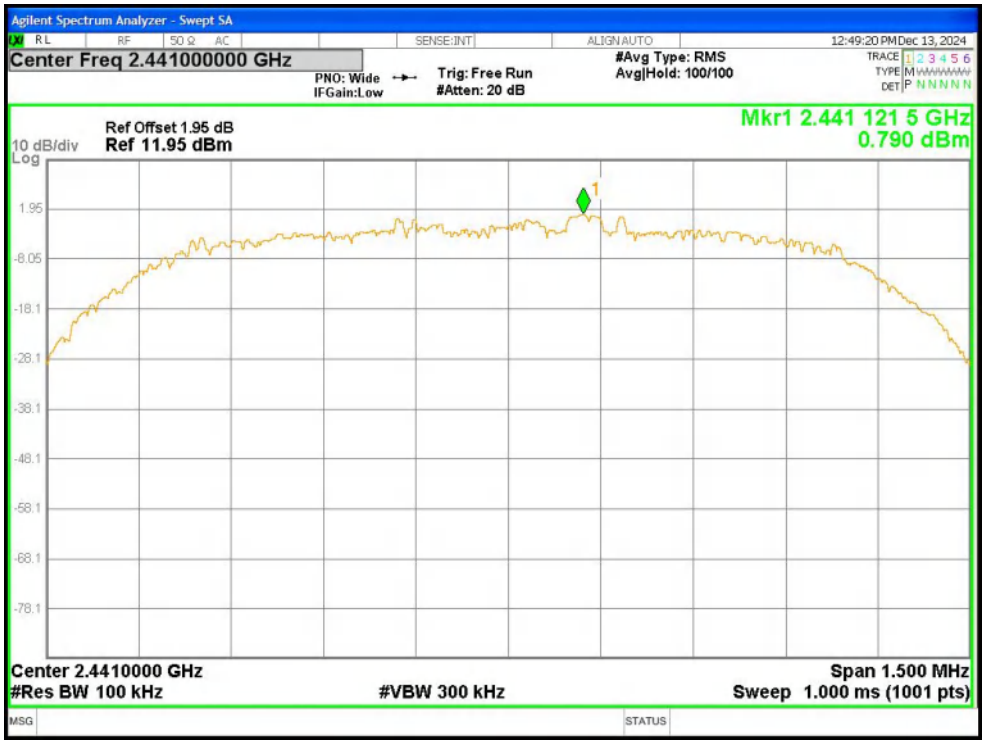


Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission



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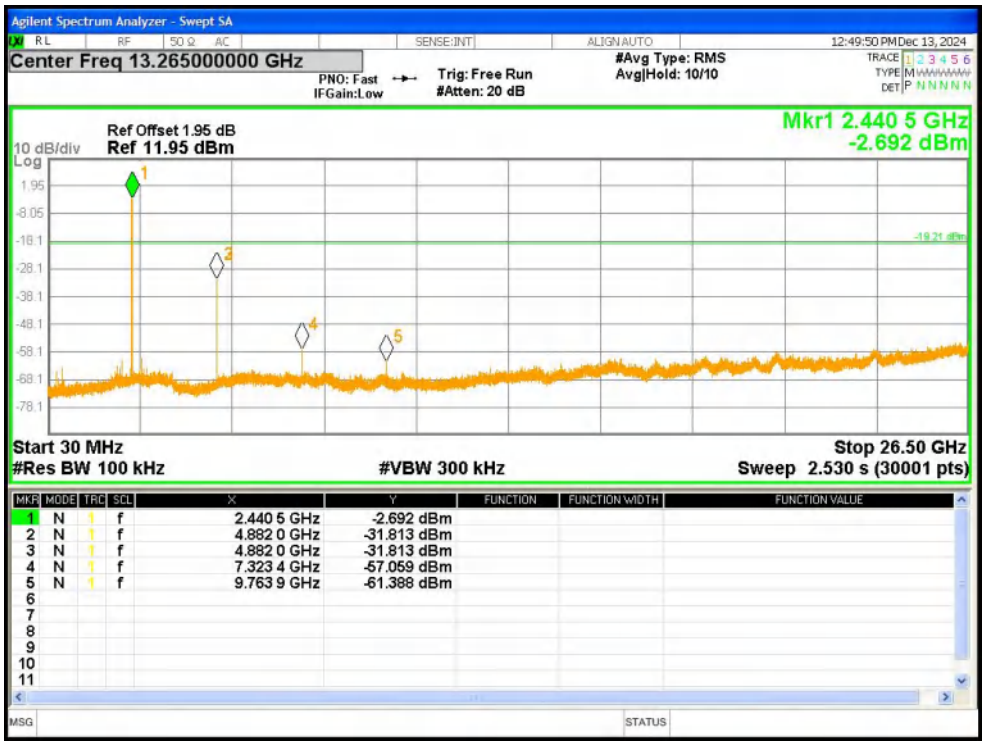

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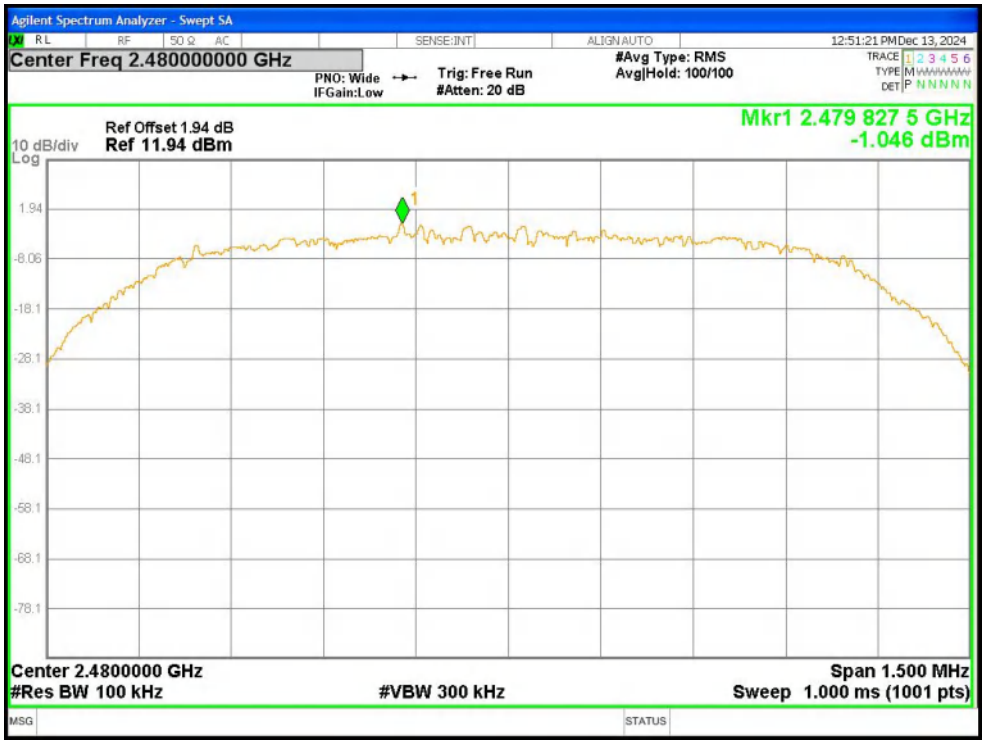

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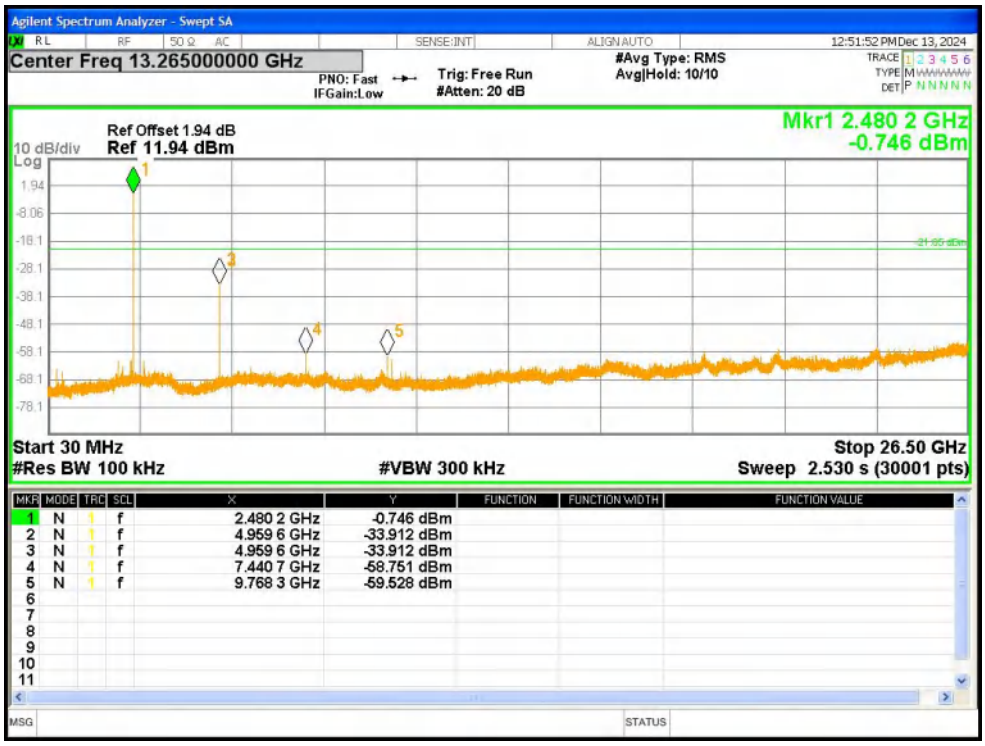

Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission