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FCC_BT(Part15.247) Test Data

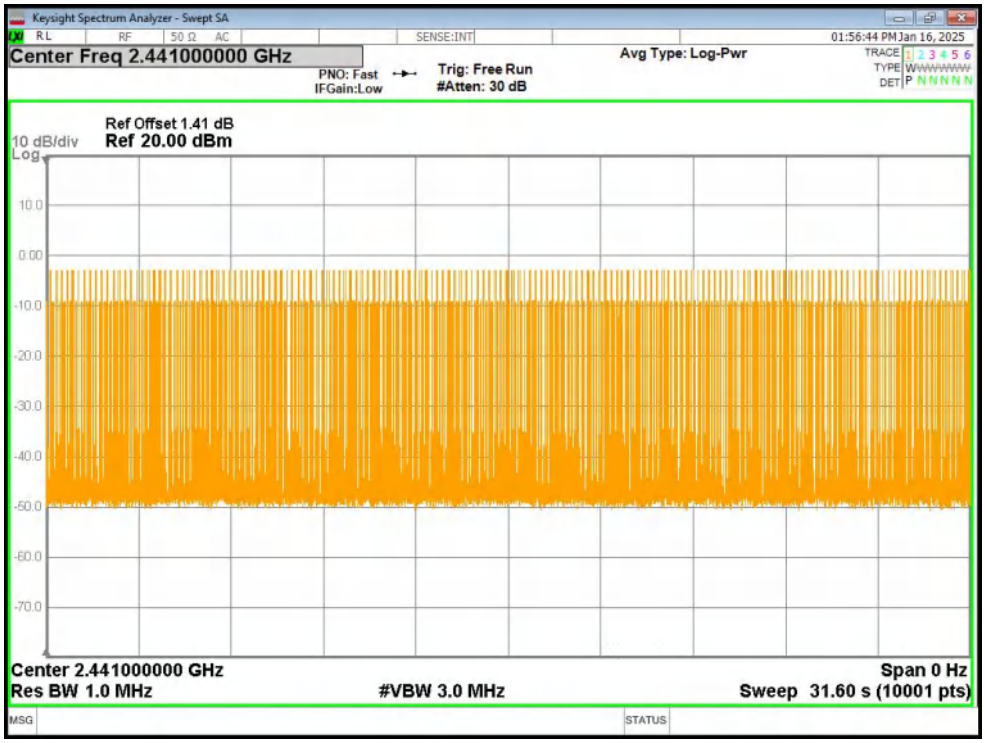
1. **Dwell Time**

Mode	Frequency (MHz)	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
1-DH1	2441	0.376	119.944	319	31600	400	Pass
1-DH3	2441	1.632	256.224	157	31600	400	Pass
1-DH5	2441	2.879	285.021	99	31600	400	Pass
2-DH1	2441	0.386	121.59	315	31600	400	Pass
2-DH3	2441	1.631	257.698	158	31600	400	Pass
2-DH5	2441	2.887	288.7	100	31600	400	Pass
3-DH1	2441	0.388	122.608	316	31600	400	Pass
3-DH3	2441	1.636	245.4	150	31600	400	Pass
3-DH5	2441	2.888	317.68	110	31600	400	Pass

Test Graphs

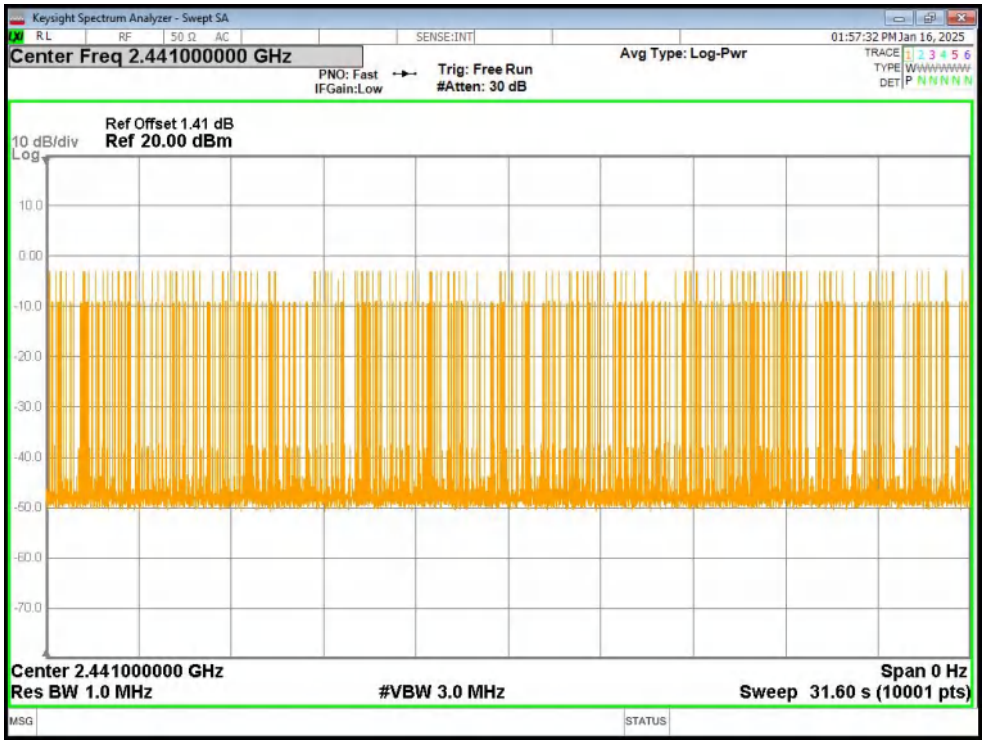
Dwell NVNT 1-DH1 2441MHz Ant1 One Burst

Dwell NVNT 1-DH1 2441MHz Ant1 Accumulated



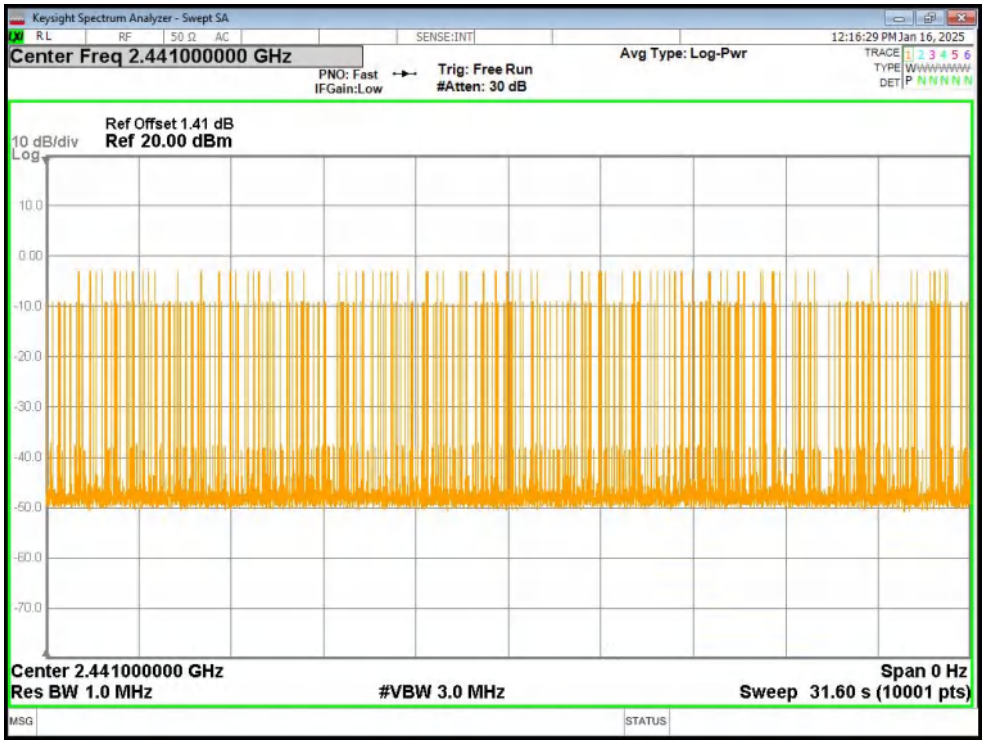
Dwell NVNT 1-DH3 2441MHz Ant1 One Burst

Dwell NVNT 1-DH3 2441MHz Ant1 Accumulated



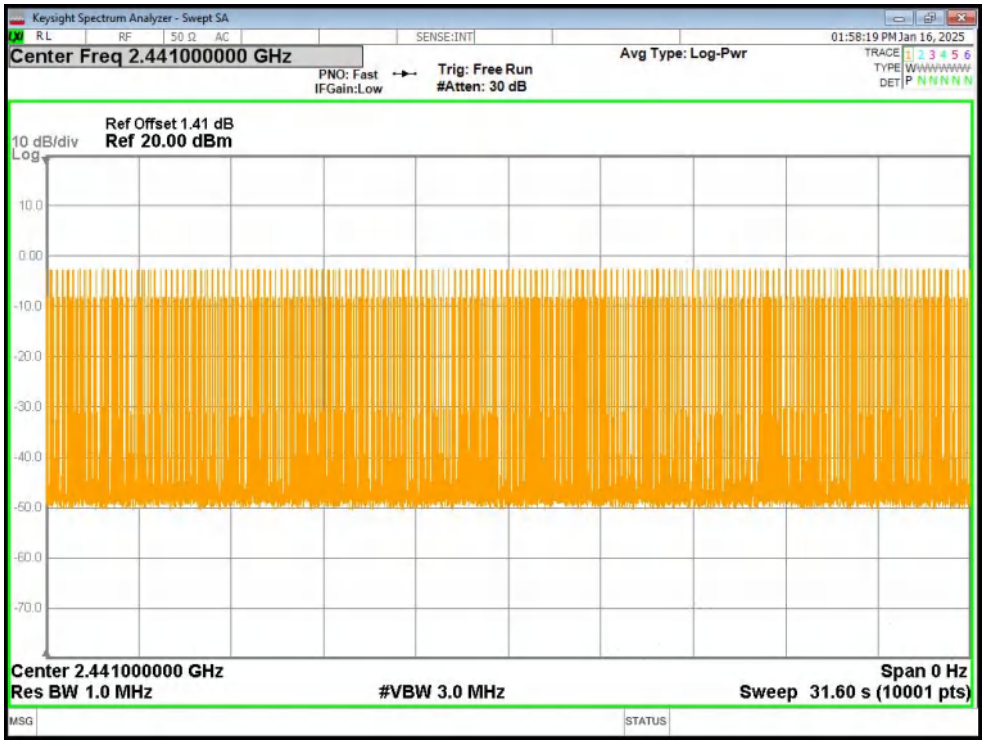
Dwell NVNT 1-DH5 2441MHz Ant1 One Burst

Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated



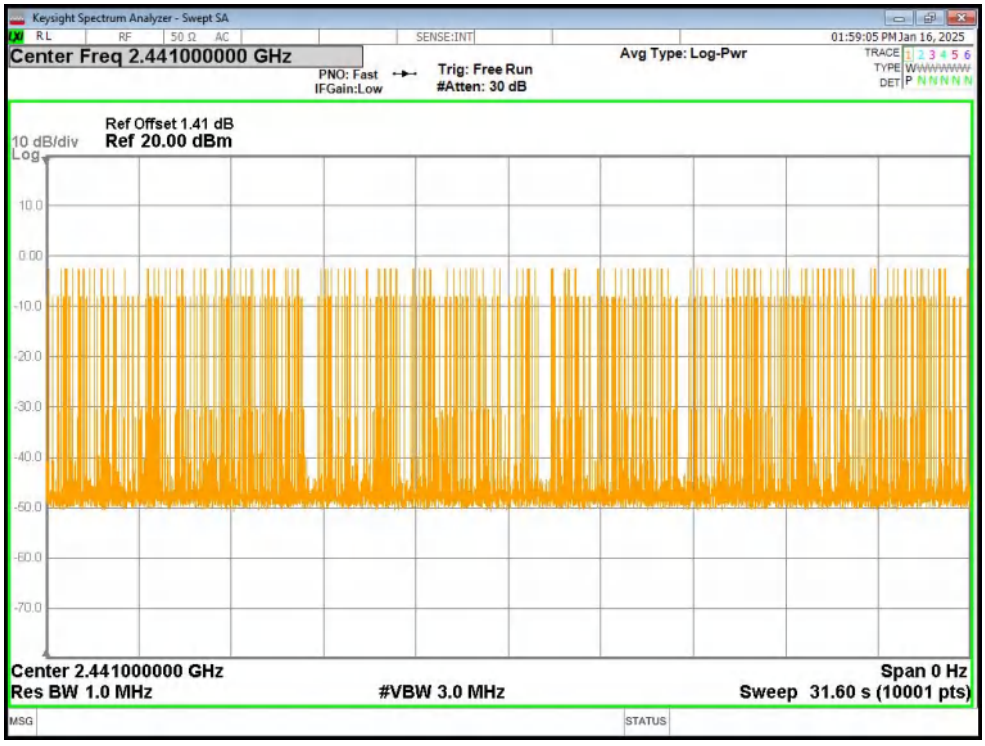
Dwell NVNT 2-DH1 2441MHz Ant1 One Burst

Dwell NVNT 2-DH1 2441MHz Ant1 Accumulated



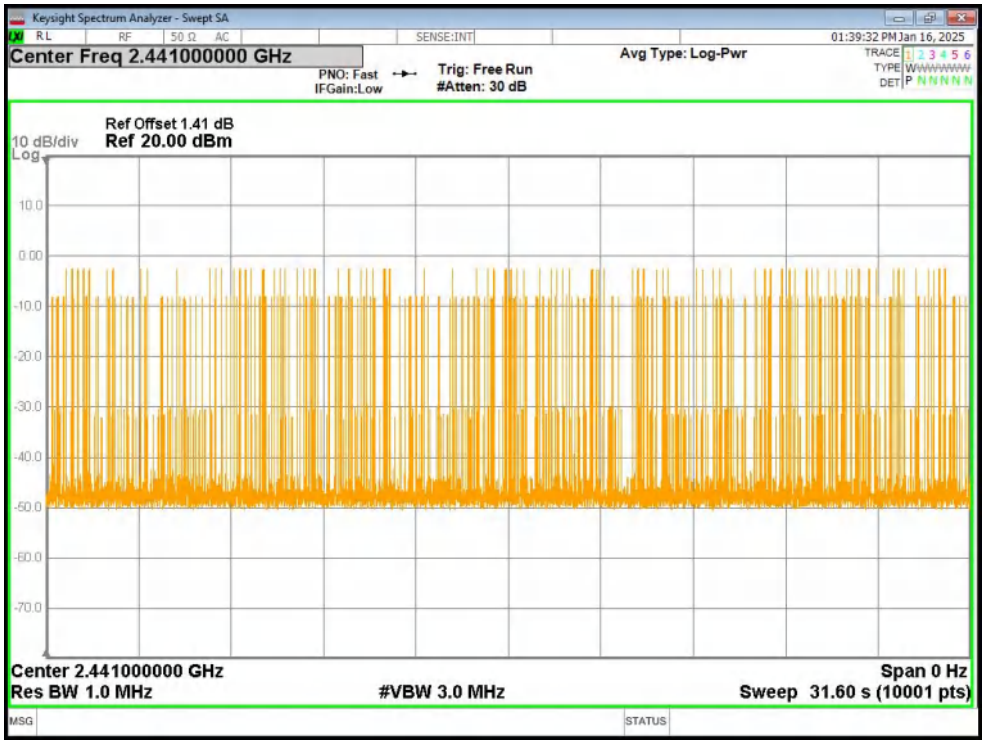
Dwell NVNT 2-DH3 2441MHz Ant1 One Burst

Dwell NVNT 2-DH3 2441MHz Ant1 Accumulated



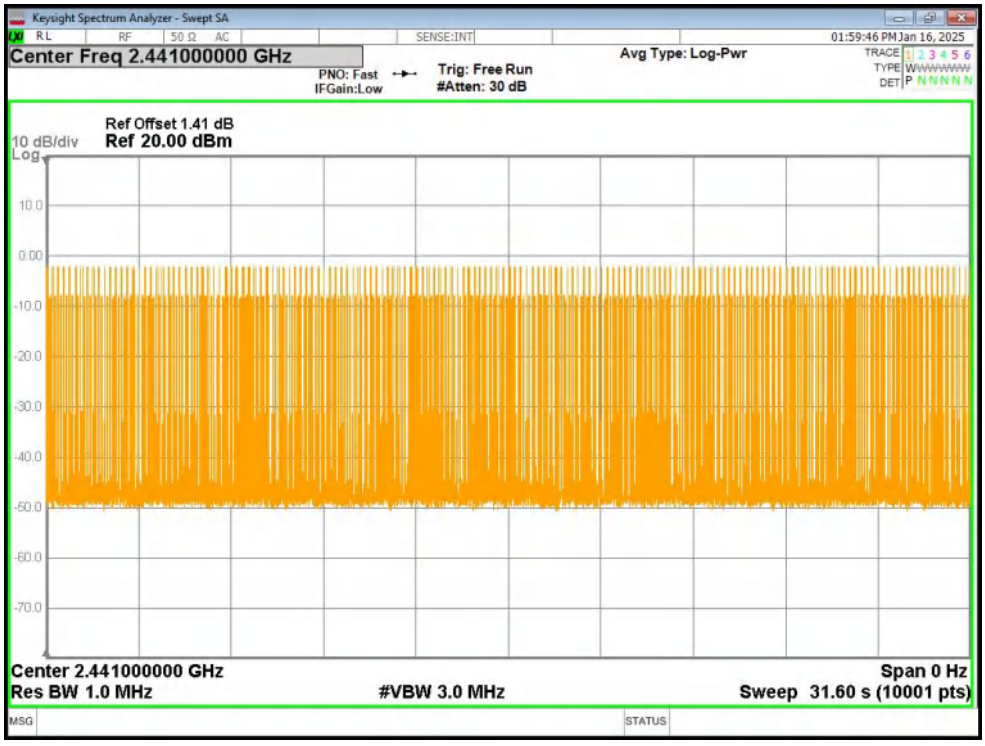
Dwell NVNT 2-DH5 2441MHz Ant1 One Burst

Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated



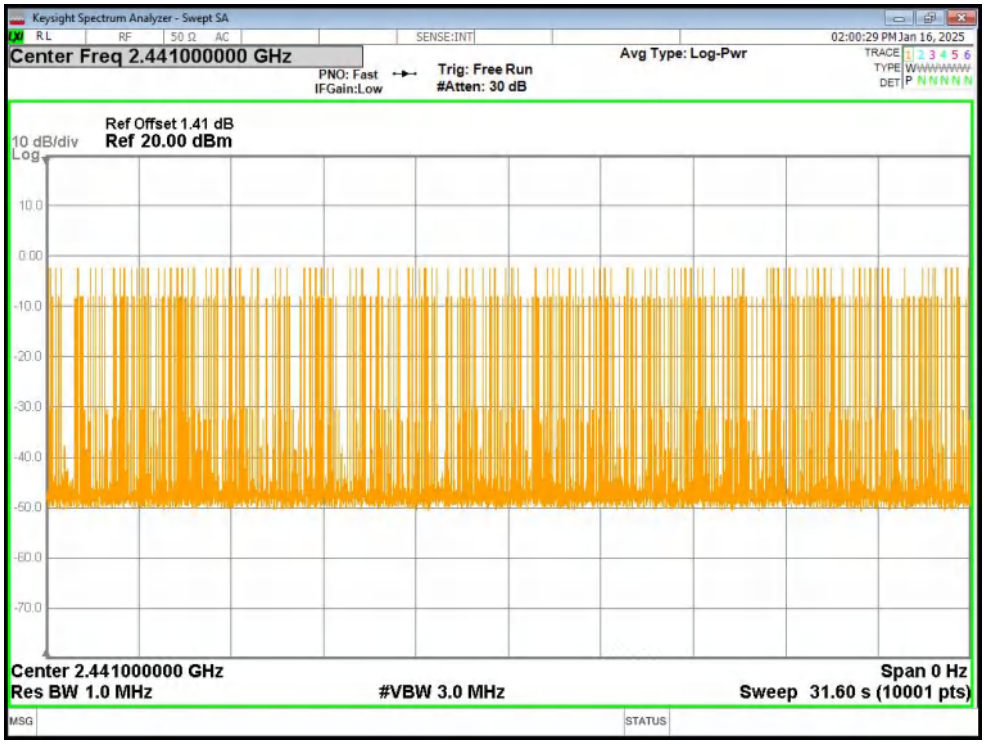
Dwell NVNT 3-DH1 2441MHz Ant1 One Burst

Dwell NVNT 3-DH1 2441MHz Ant1 Accumulated



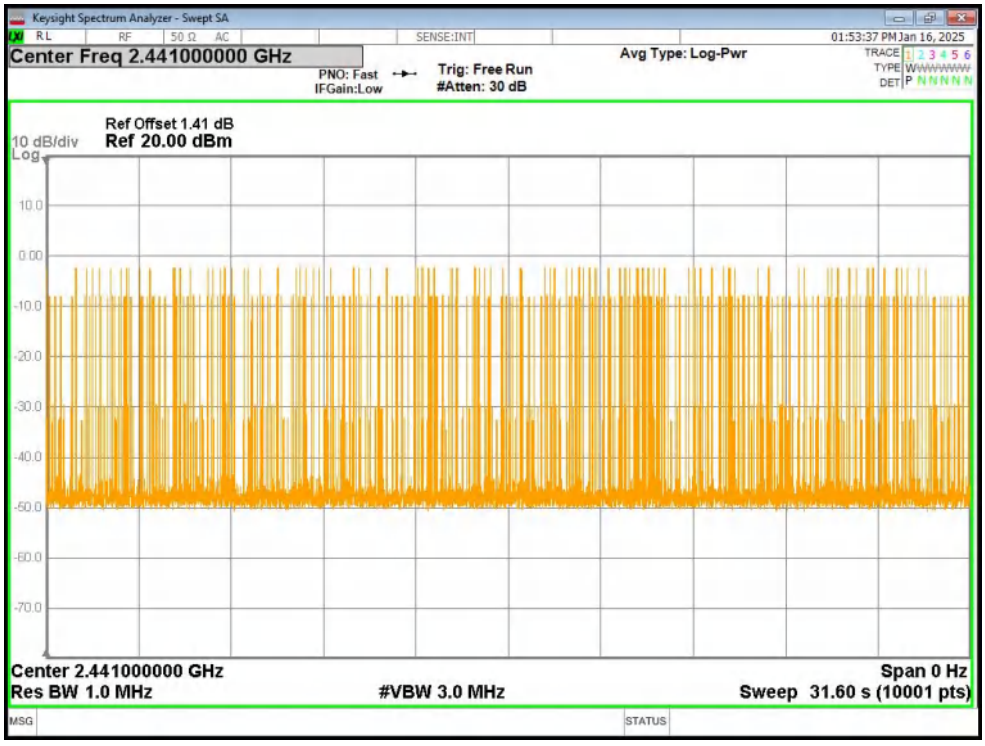
Dwell NVNT 3-DH3 2441MHz Ant1 One Burst

Dwell NVNT 3-DH3 2441MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2441MHz Ant1 One Burst

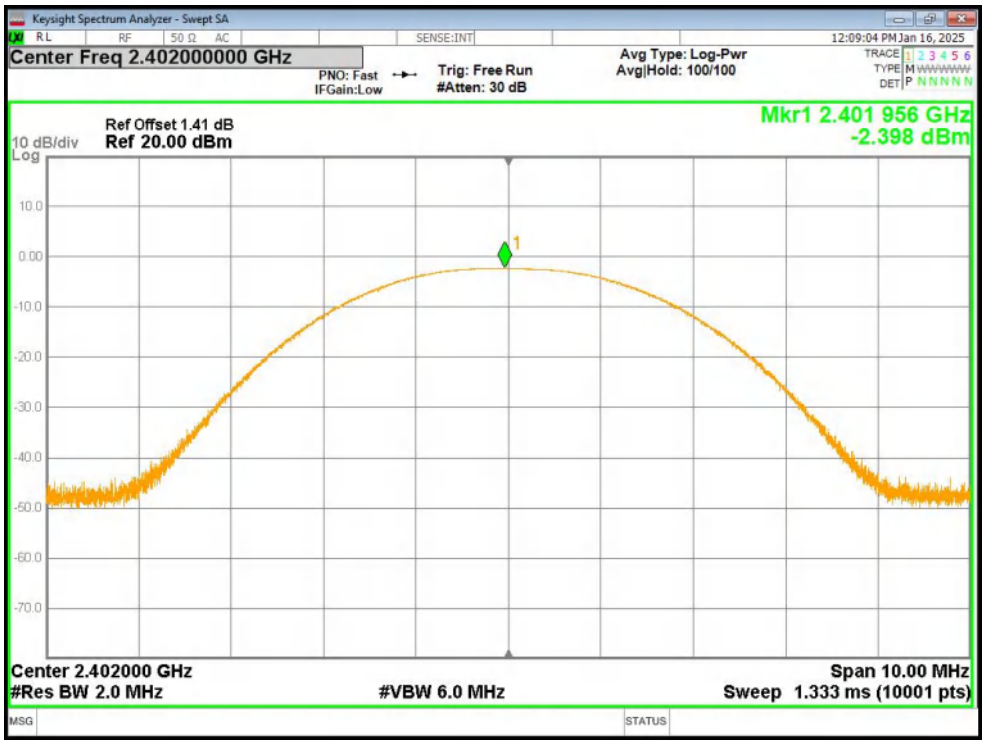
Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated



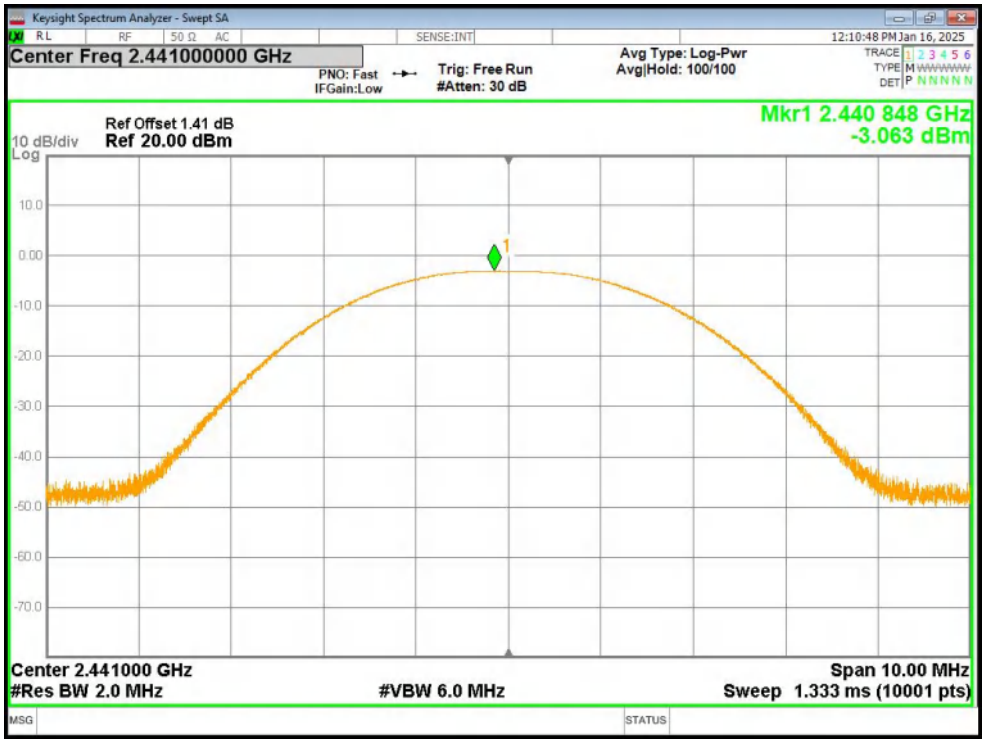
2.Maximum Peak Conducted Output Power

Mode	Frequency (MHz)	Total Power (dBm)	Limit (dBm)	Verdict
1-DH5	2402	-2.4	21	Pass
1-DH5	2441	-3.06	21	Pass
1-DH5	2480	-4.43	21	Pass
2-DH5	2402	-1.6	21	Pass
2-DH5	2441	-2.25	21	Pass
2-DH5	2480	-3.58	21	Pass
3-DH5	2402	-1.34	21	Pass
3-DH5	2441	-1.96	21	Pass
3-DH5	2480	-3.28	21	Pass

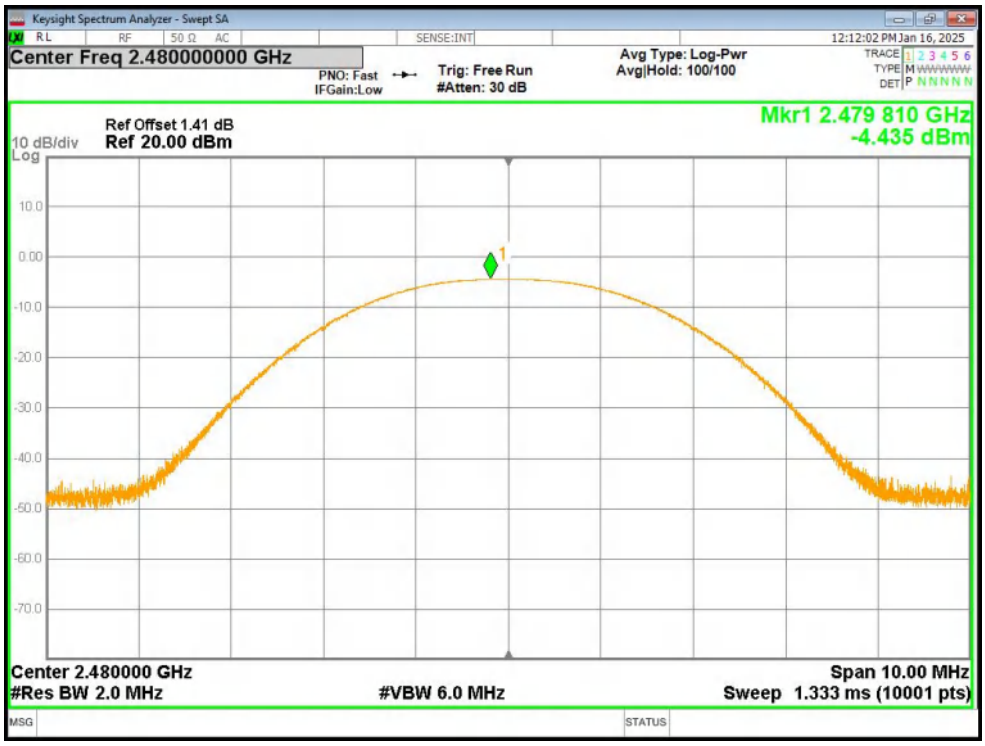
Test Graphs
Peak Power NVNT 1-DH5 2402MHz Ant1



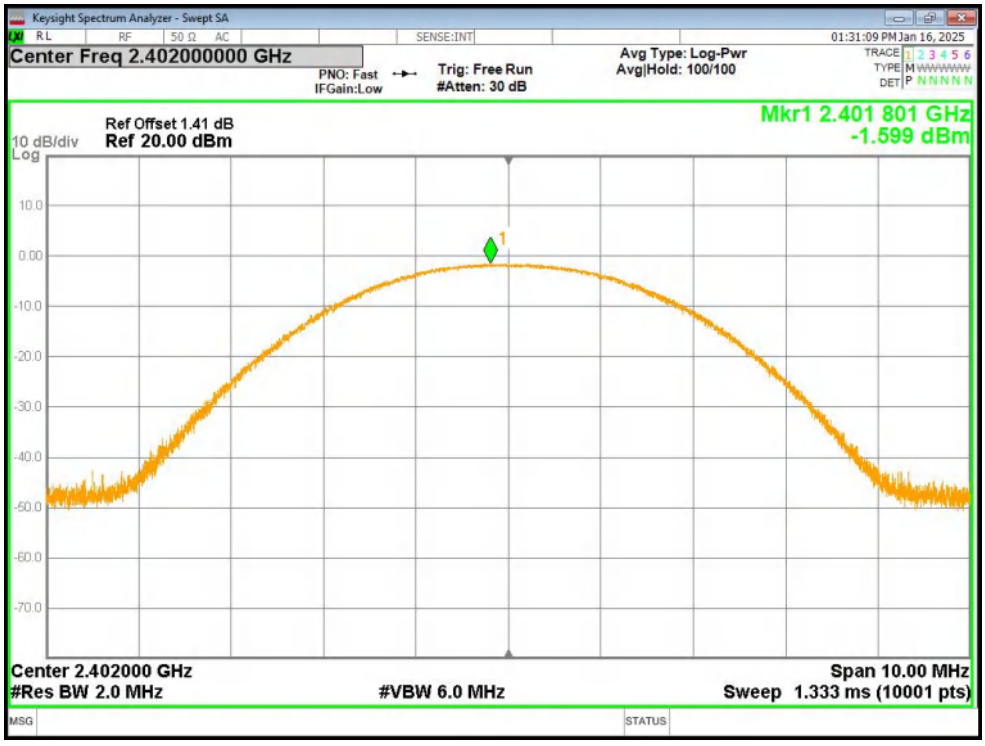
Peak Power NVNT 1-DH5 2441MHz Ant1



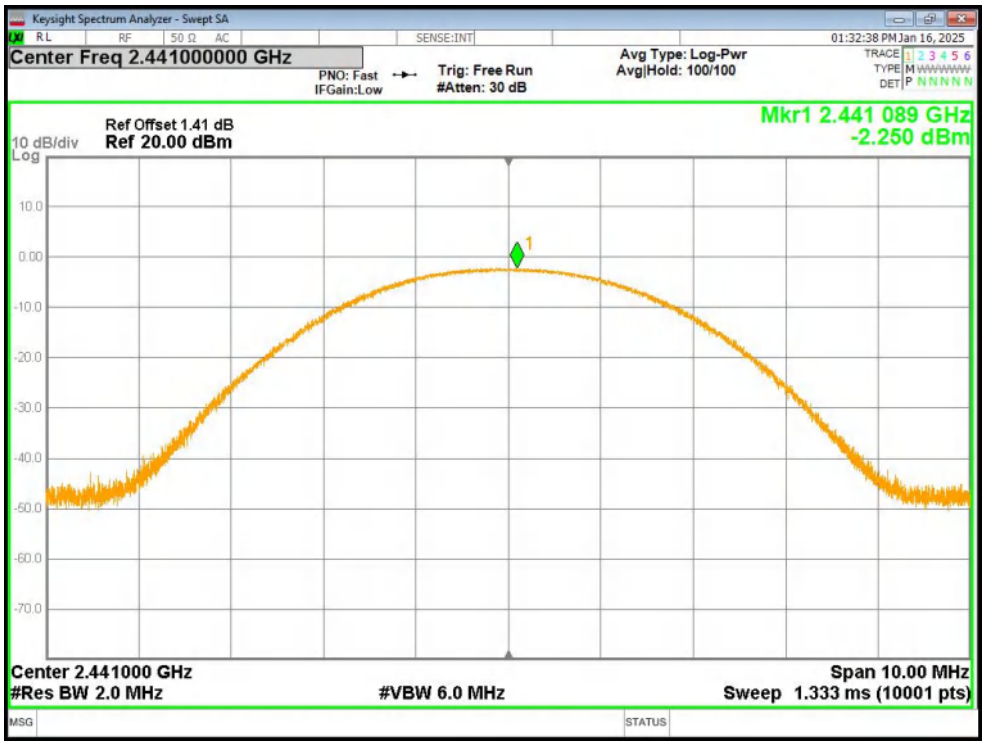
Peak Power NVNT 1-DH5 2480MHz Ant1



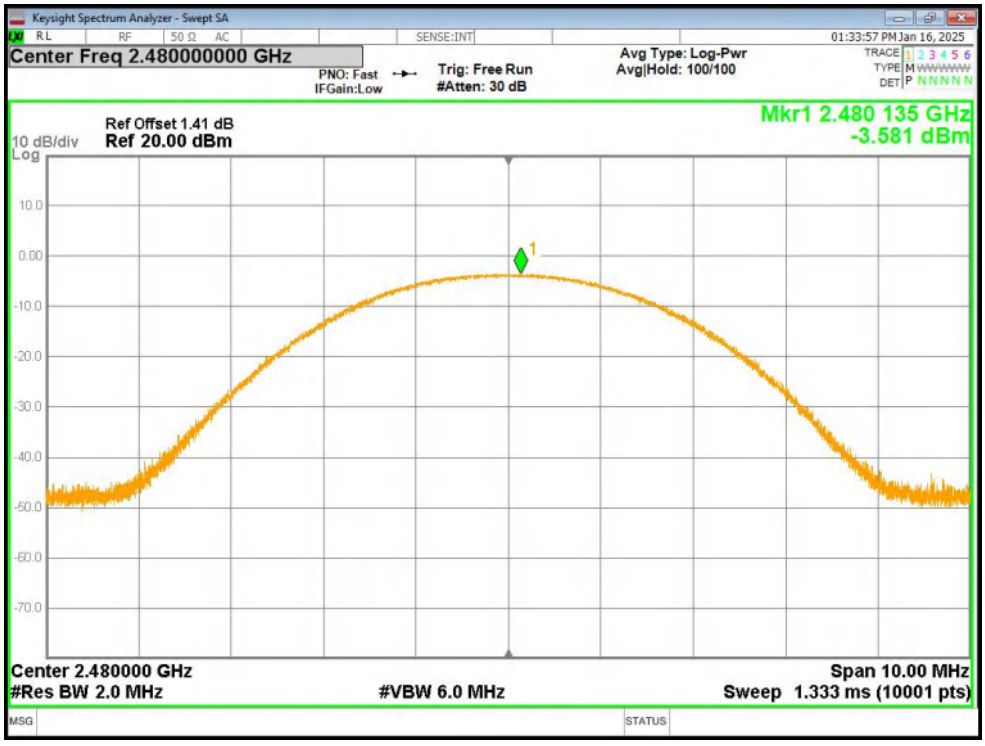
Peak Power NVNT 2-DH5 2402MHz Ant1



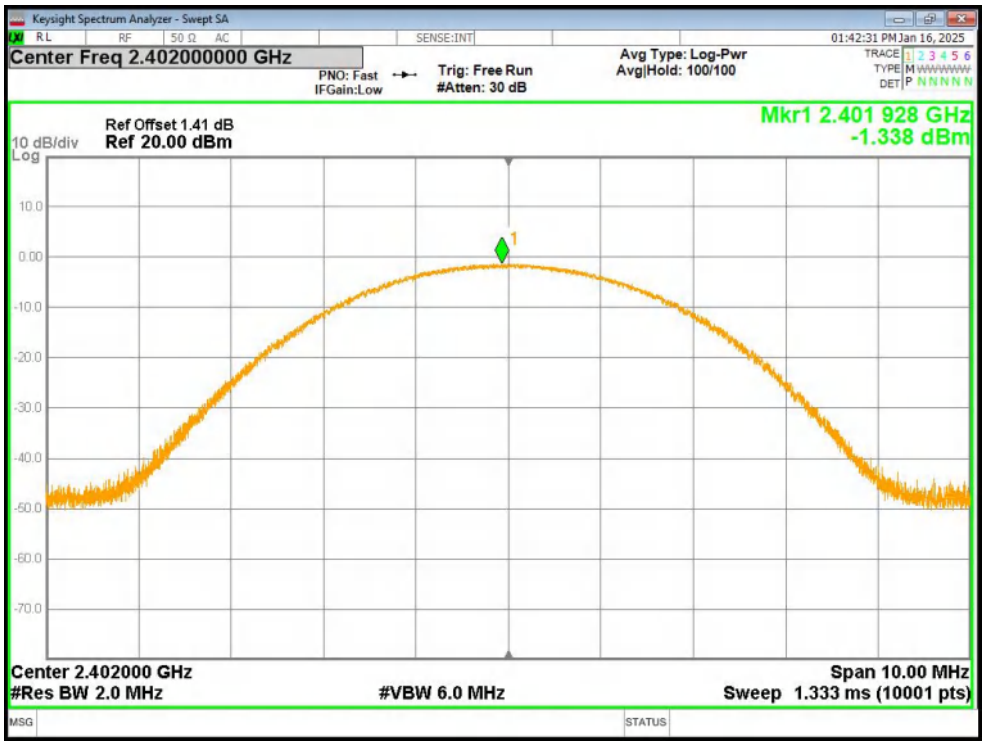
Peak Power NVNT 2-DH5 2441MHz Ant1



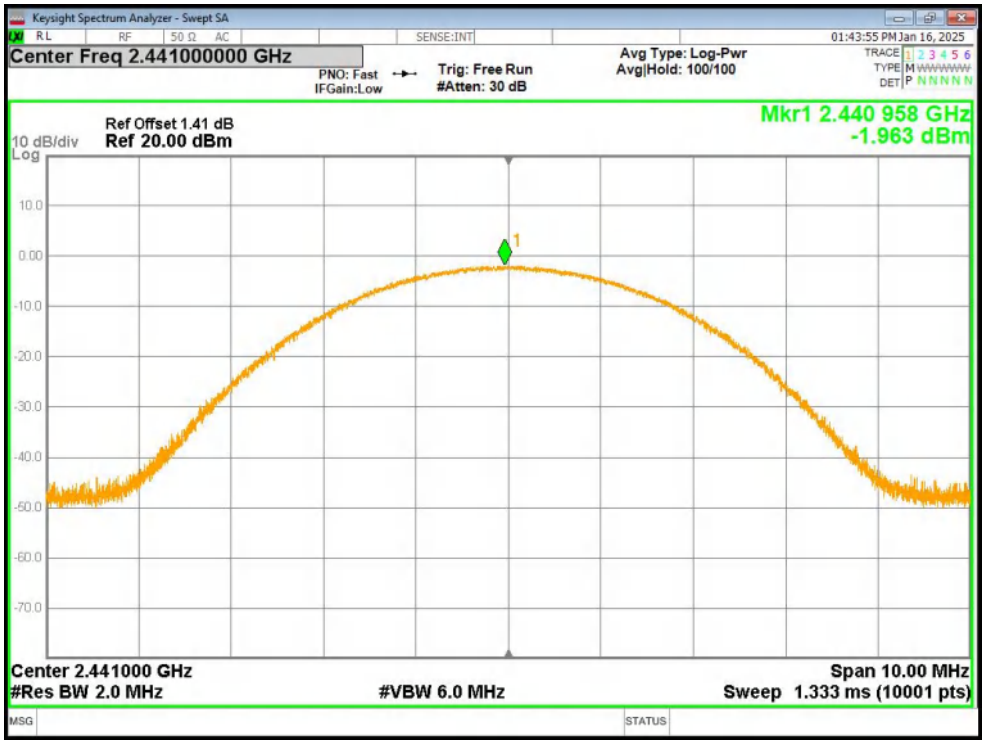
Peak Power NVNT 2-DH5 2480MHz Ant1



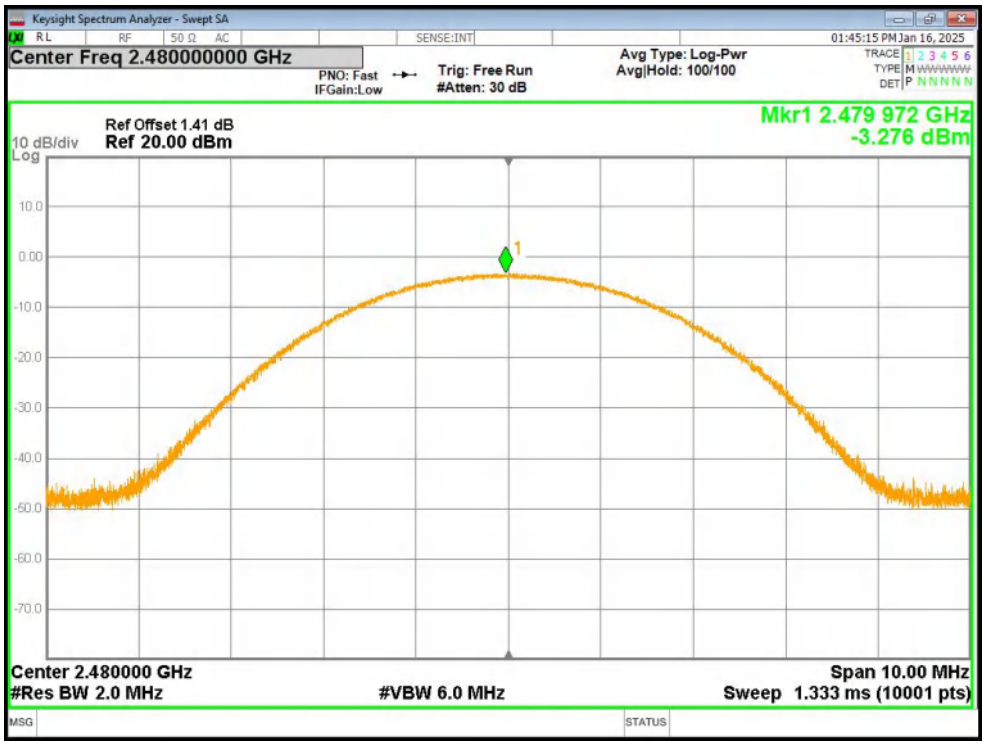
Peak Power NVNT 3-DH5 2402MHz Ant1



Peak Power NVNT 3-DH5 2441MHz Ant1



Peak Power NVNT 3-DH5 2480MHz Ant1

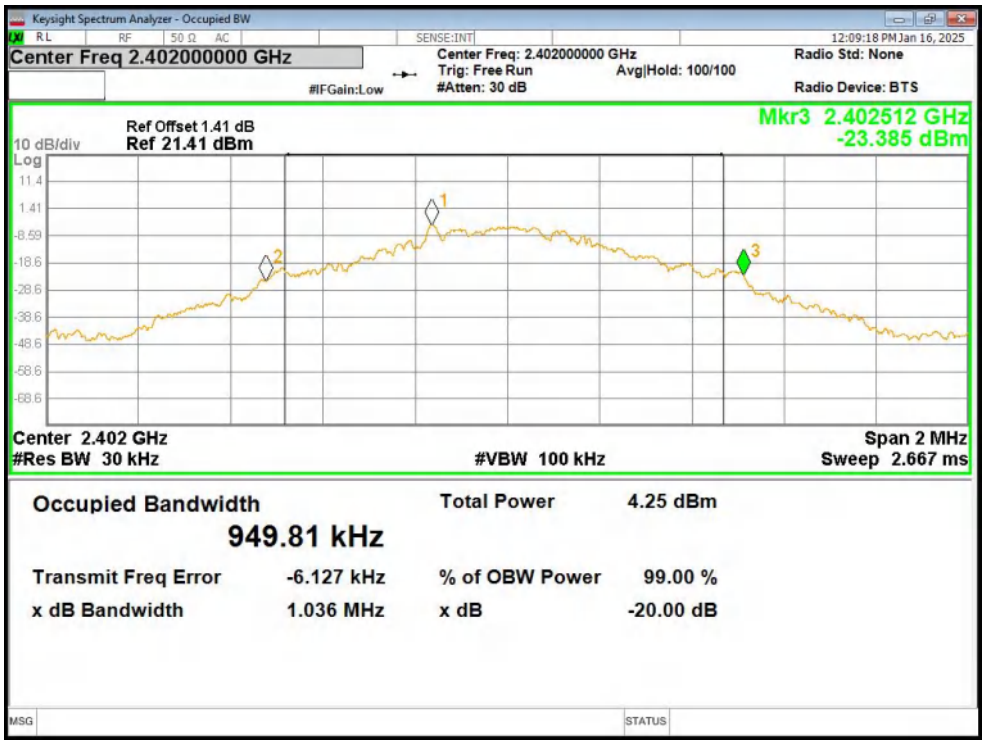


3.-20dB Bandwidth

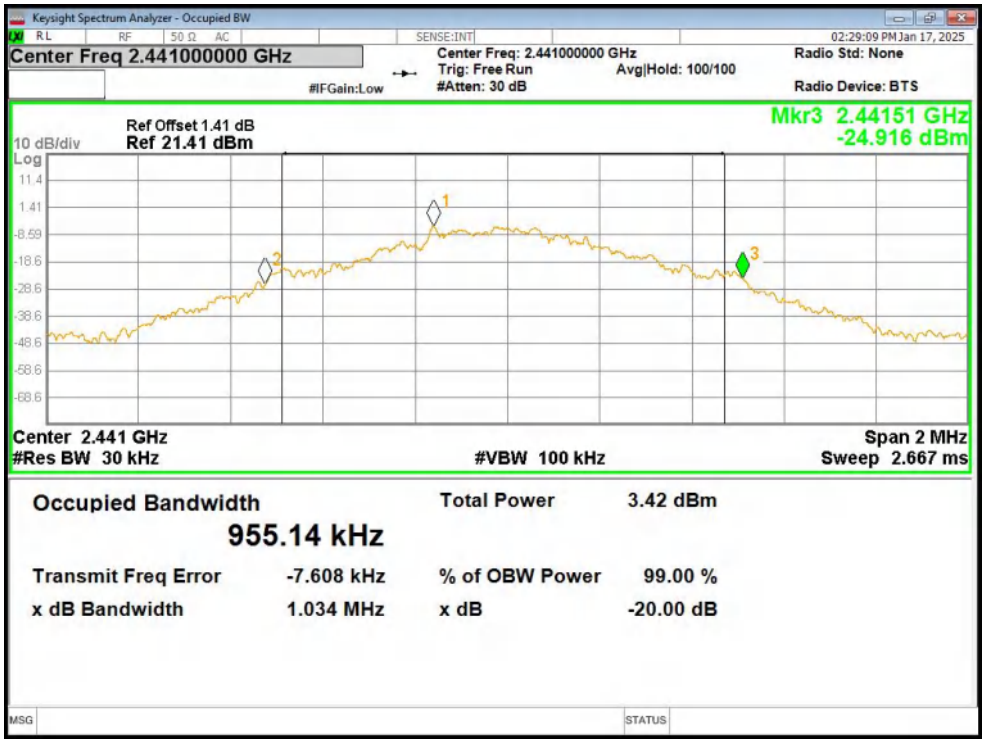
Mode	Frequency (MHz)	-20 dB Bandwidth (MHz)	Verdict
1-DH5	2402	1.036	Pass
1-DH5	2441	1.034	Pass
1-DH5	2480	1.059	Pass
2-DH5	2402	1.329	Pass
2-DH5	2441	1.332	Pass
2-DH5	2480	1.344	Pass
3-DH5	2402	1.302	Pass
3-DH5	2441	1.294	Pass
3-DH5	2480	1.307	Pass

Test Graphs

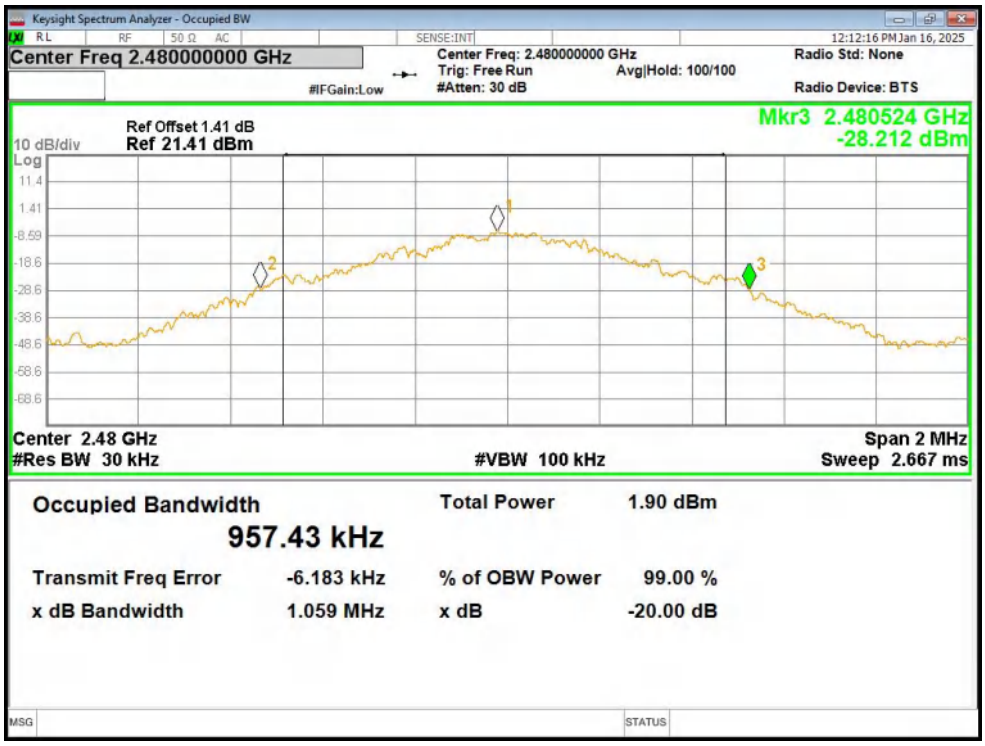
-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



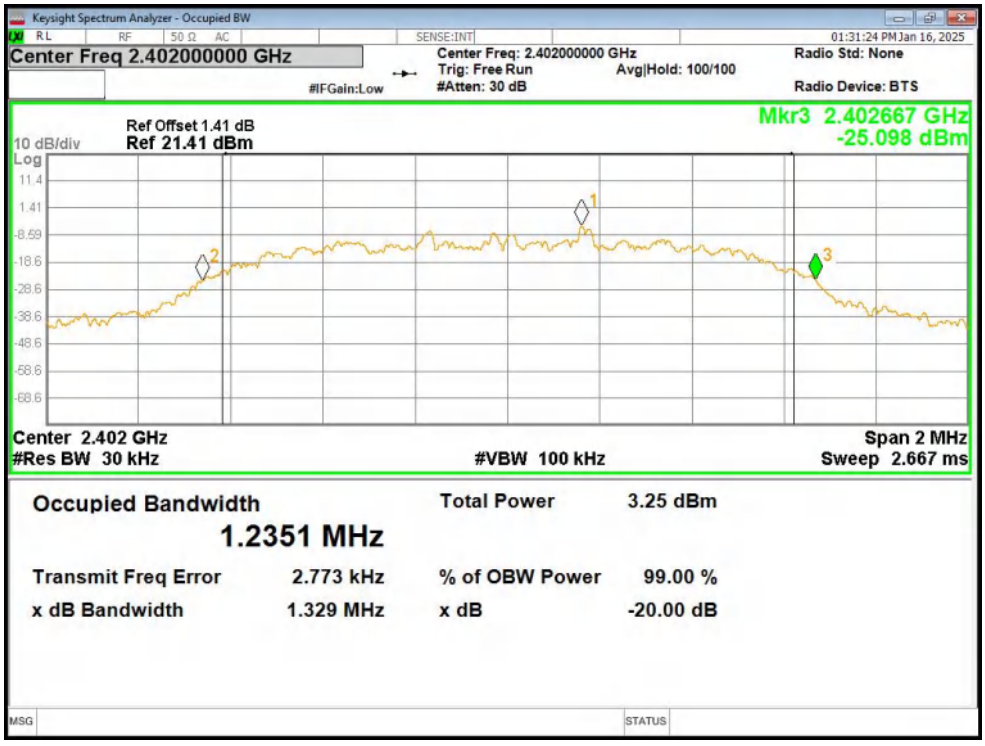
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



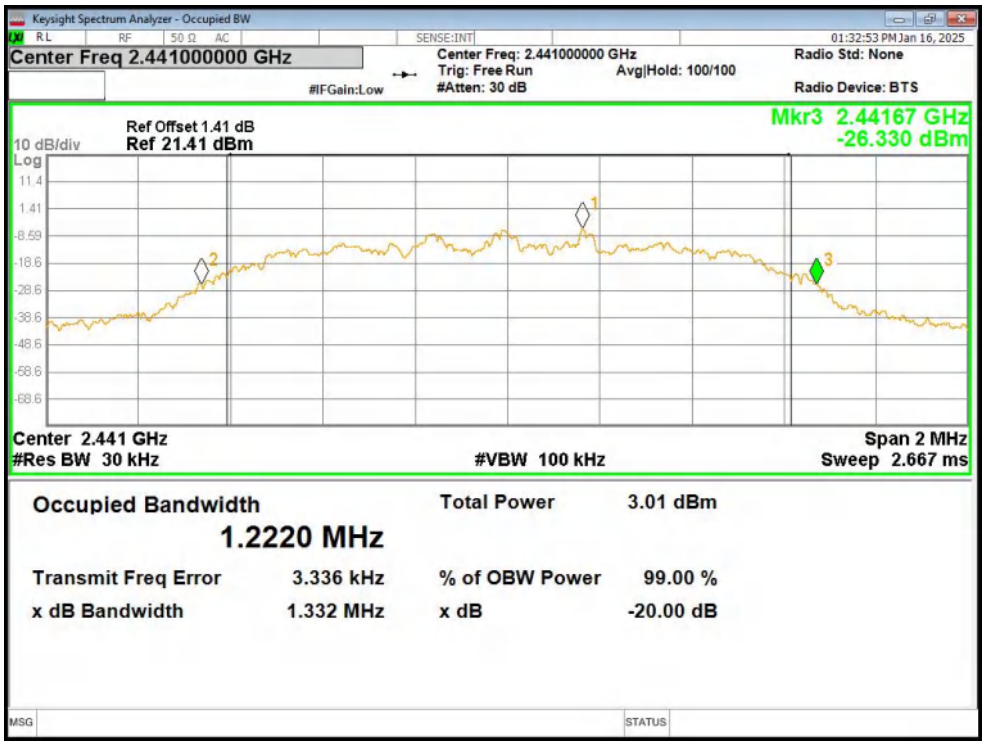
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



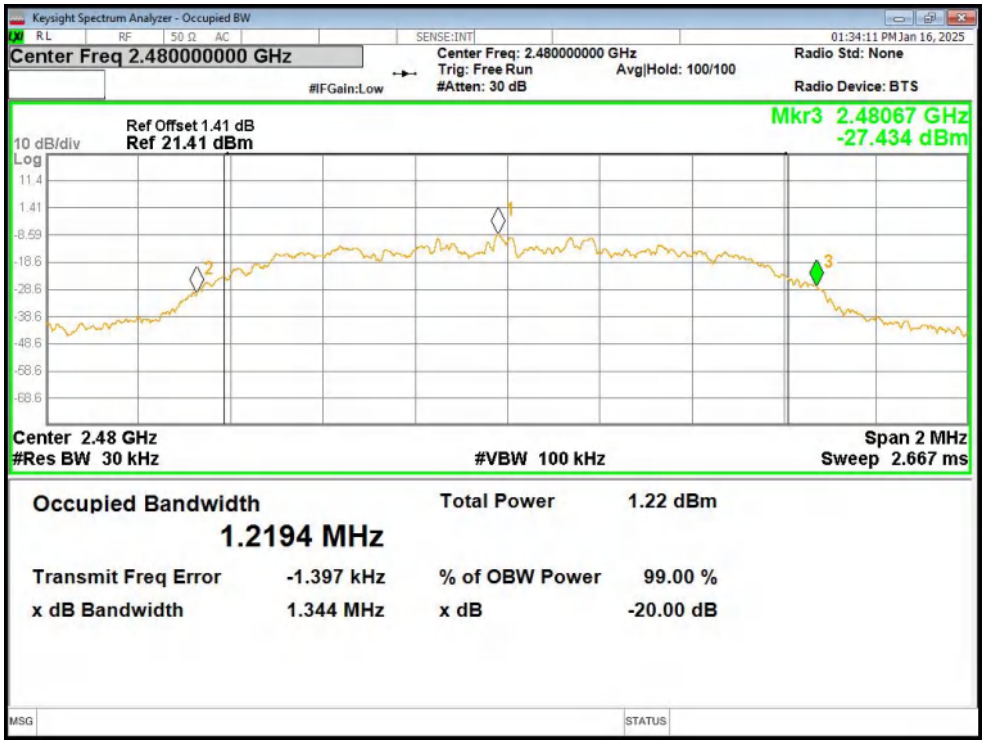
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



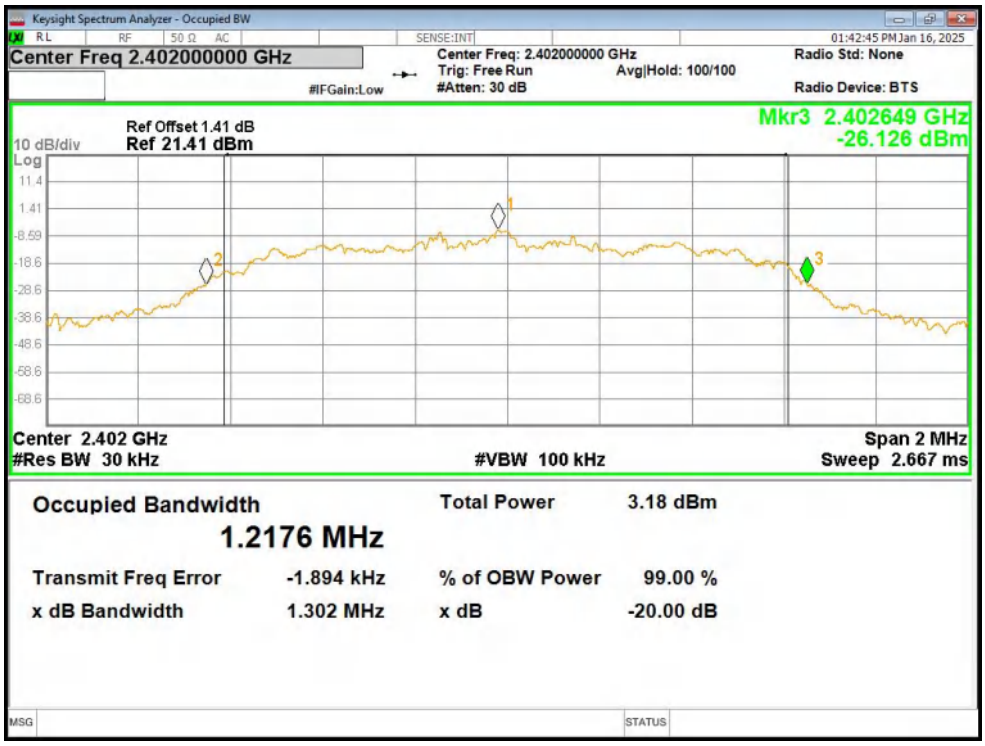
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



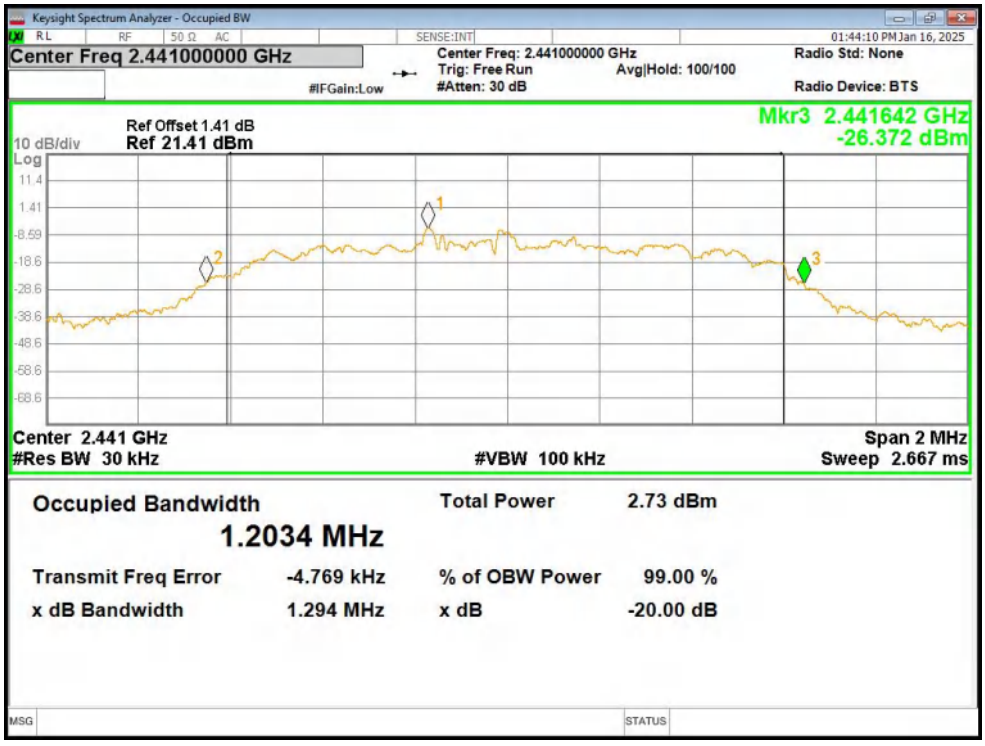
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



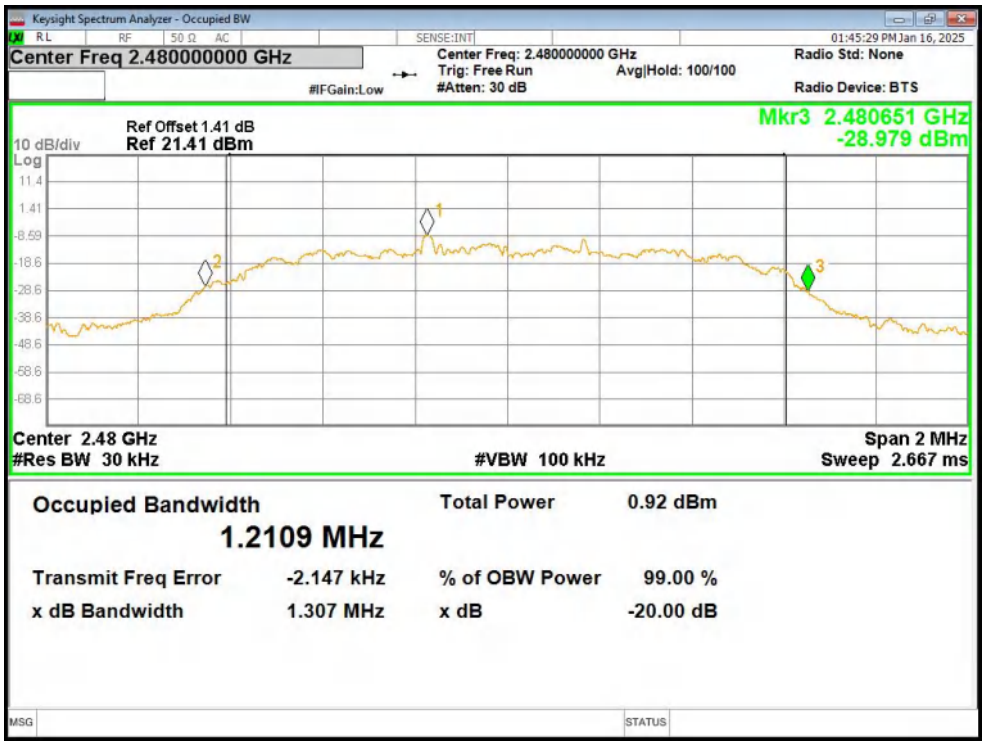
-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1

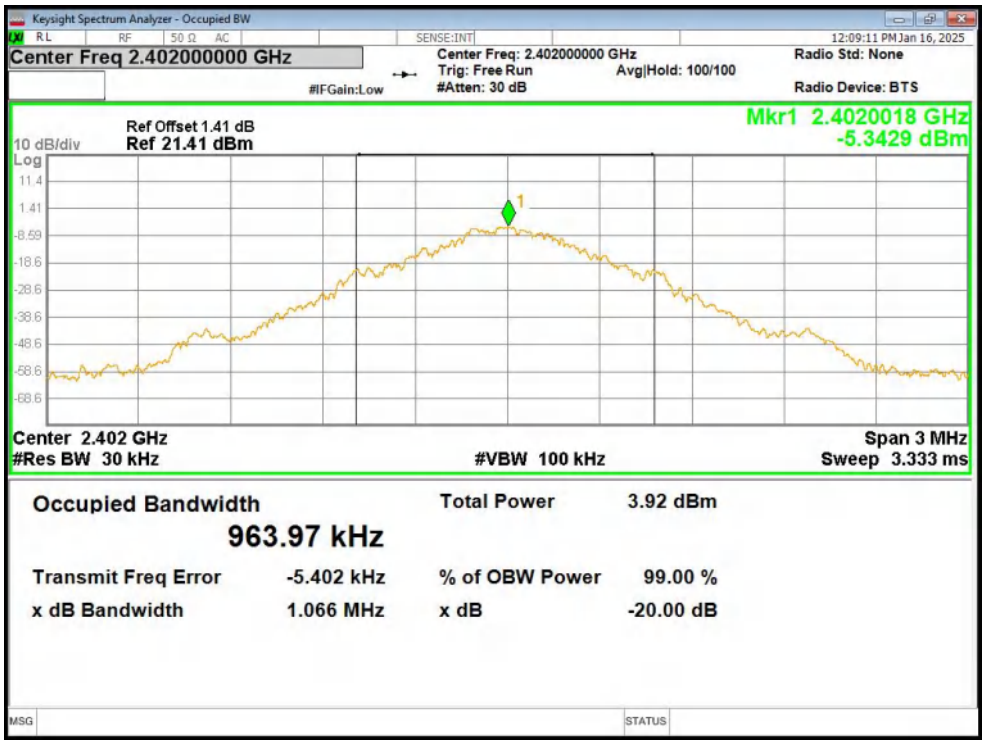


4.Occupied Channel Bandwidth

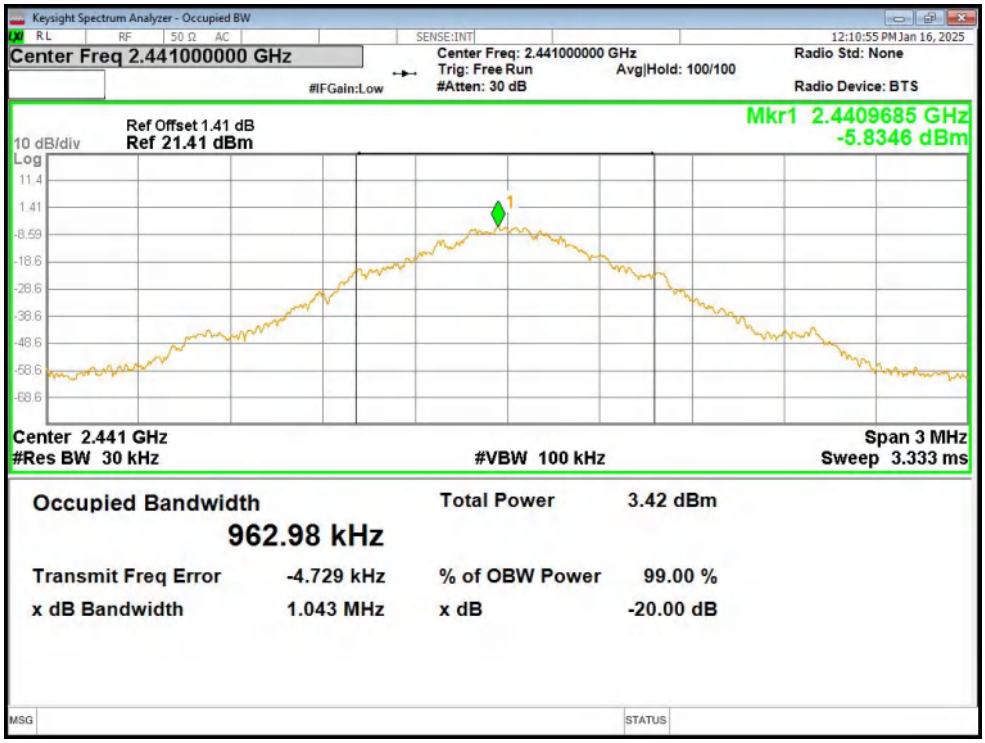
Mode	Frequency (MHz)	99% OBW (MHz)
1-DH5	2402	0.964
1-DH5	2441	0.963
1-DH5	2480	0.947
2-DH5	2402	1.226
2-DH5	2441	1.228
2-DH5	2480	1.222
3-DH5	2402	1.227
3-DH5	2441	1.214
3-DH5	2480	1.199

Test Graphs

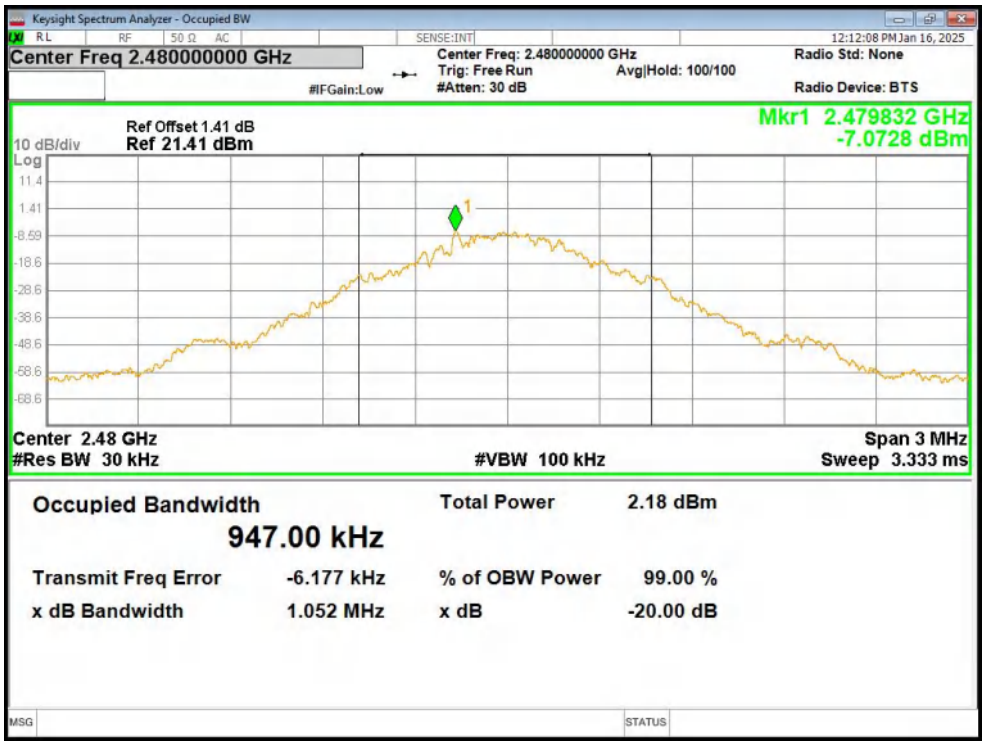
OBW NVNT 1-DH5 2402MHz Ant1



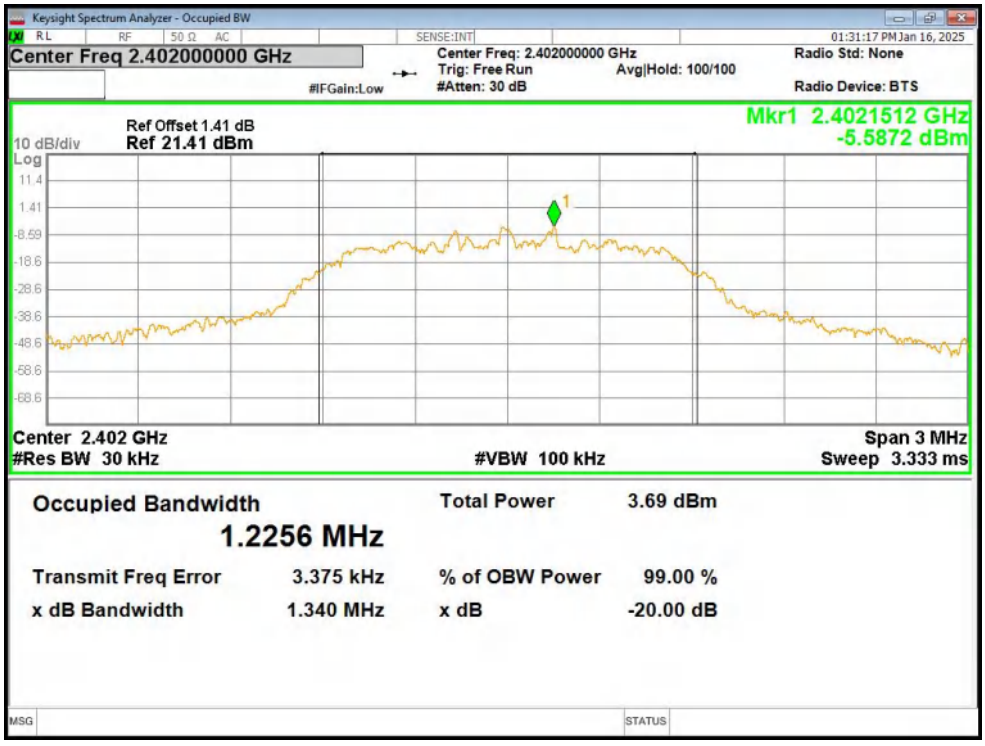
OBW NVNT 1-DH5 2441MHz Ant1



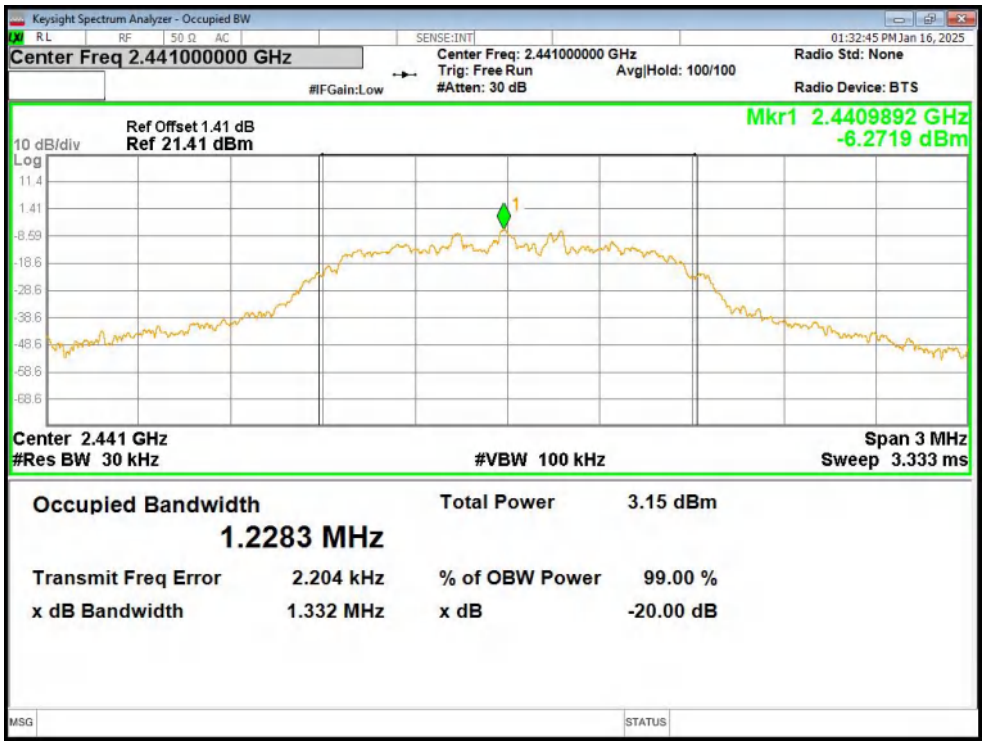
OBW NVNT 1-DH5 2480MHz Ant1



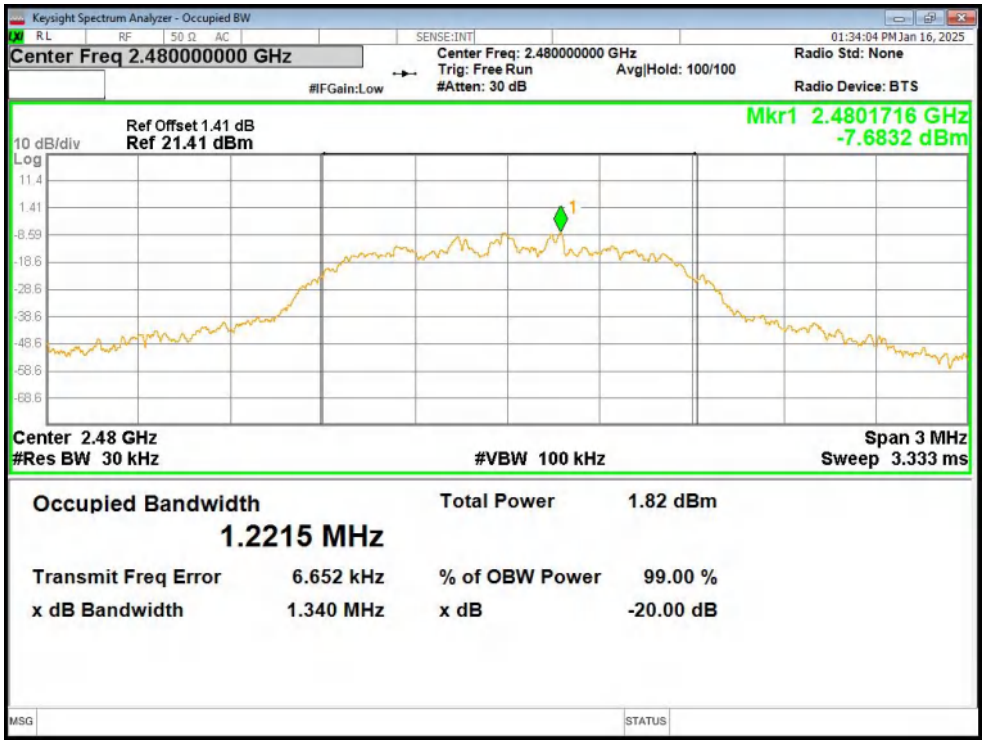
OBW NVNT 2-DH5 2402MHz Ant1



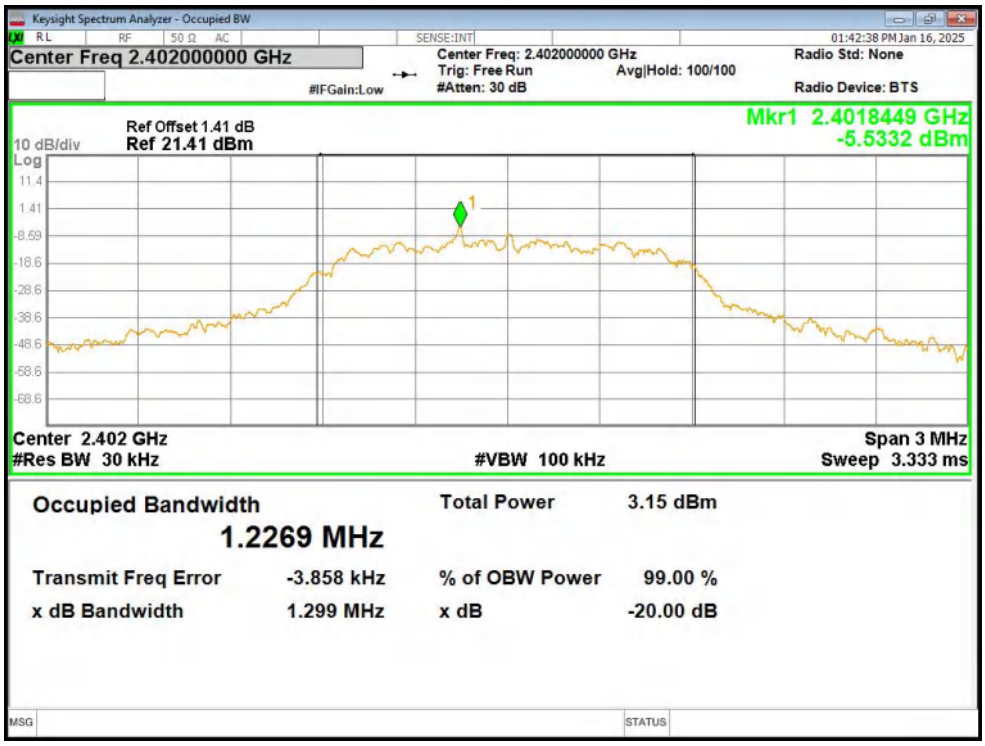
OBW NVNT 2-DH5 2441MHz Ant1



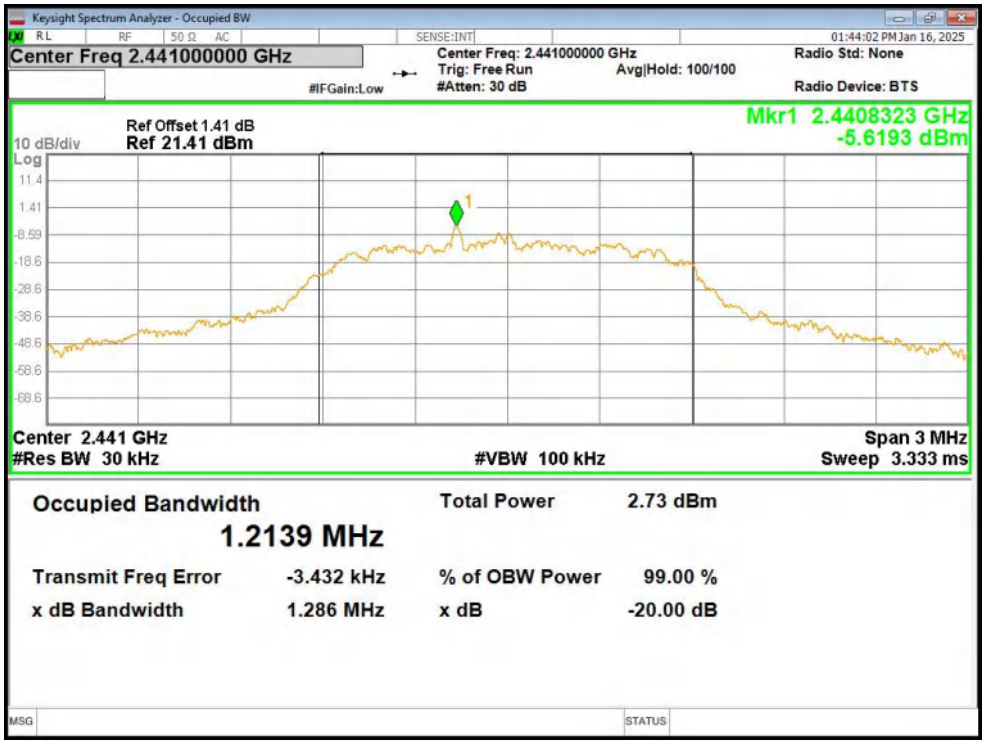
OBW NVNT 2-DH5 2480MHz Ant1



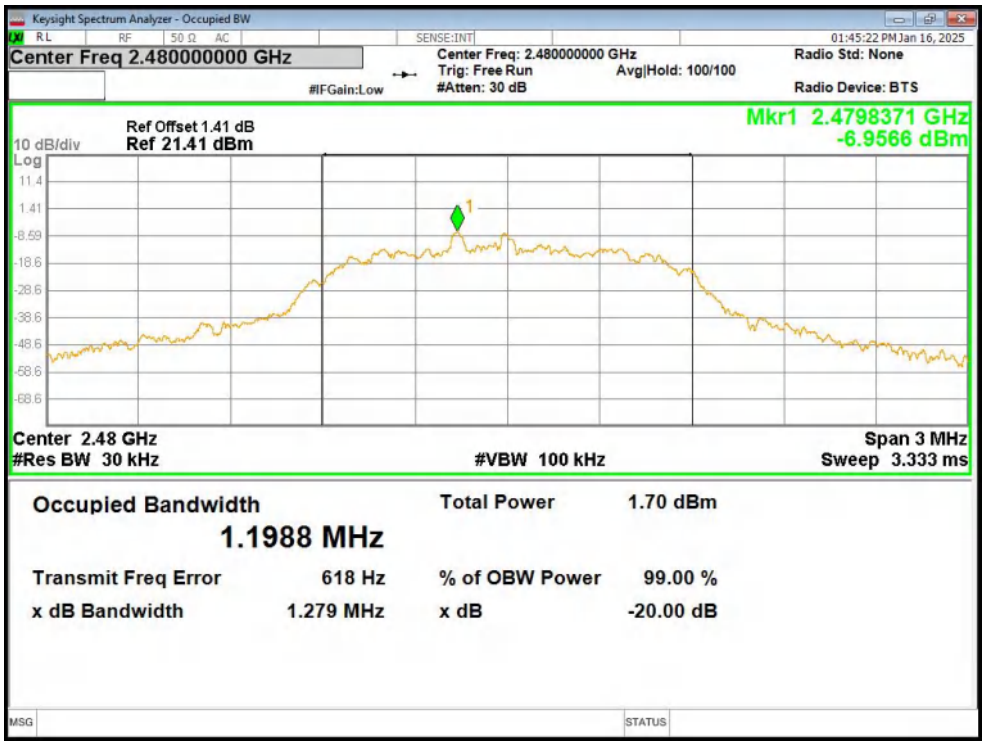
OBW NVNT 3-DH5 2402MHz Ant1



OBW NVNT 3-DH5 2441MHz Ant1



OBW NVNT 3-DH5 2480MHz Ant1

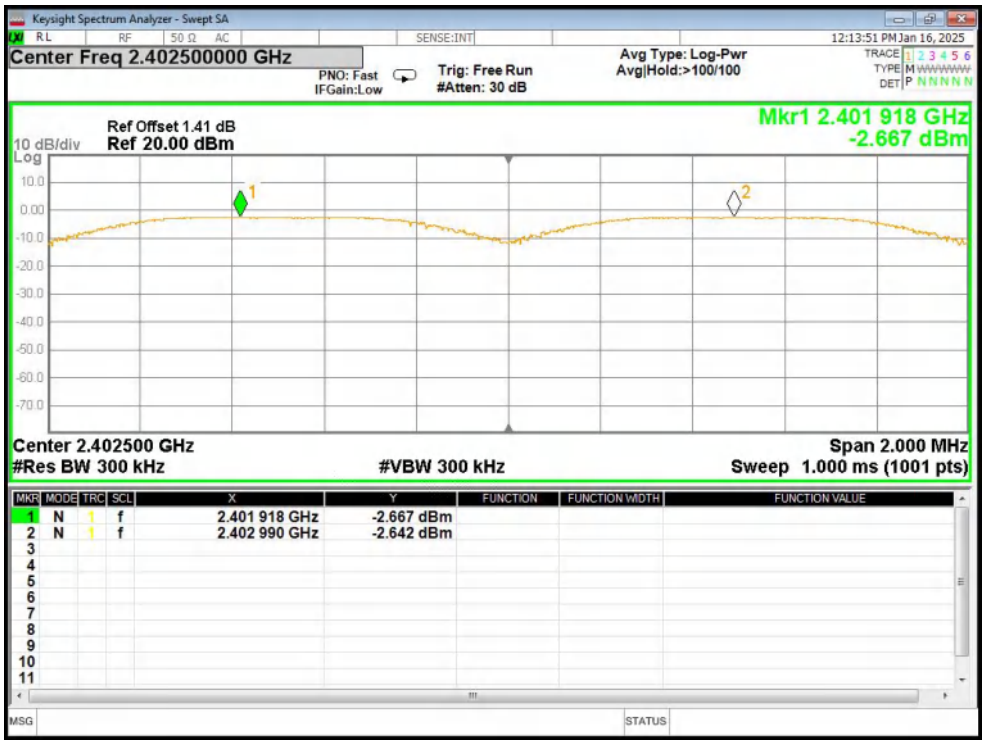


5.Carrier Frequencies Separation

Mode	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
1-DH5	2401.918	2402.99	1.072	0.691	Pass
1-DH5	2440.932	2441.986	1.054	0.689	Pass
1-DH5	2478.82	2480.06	1.24	0.706	Pass
2-DH5	2401.998	2402.98	0.982	0.886	Pass
2-DH5	2440.984	2442	1.016	0.888	Pass
2-DH5	2478.964	2479.932	0.968	0.896	Pass
3-DH5	2401.964	2402.972	1.008	0.868	Pass
3-DH5	2441	2441.936	0.936	0.863	Pass
3-DH5	2478.884	2479.85	0.966	0.871	Pass

Test Graphs

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

6.Number of Hopping Channel

Mode	Hopping Number	Limit	Verdict
1-DH5	79	15	Pass
2-DH5	79	15	Pass
3-DH5	79	15	Pass

Test Graphs

Hopping No. NVNT 1-DH5 Ant1

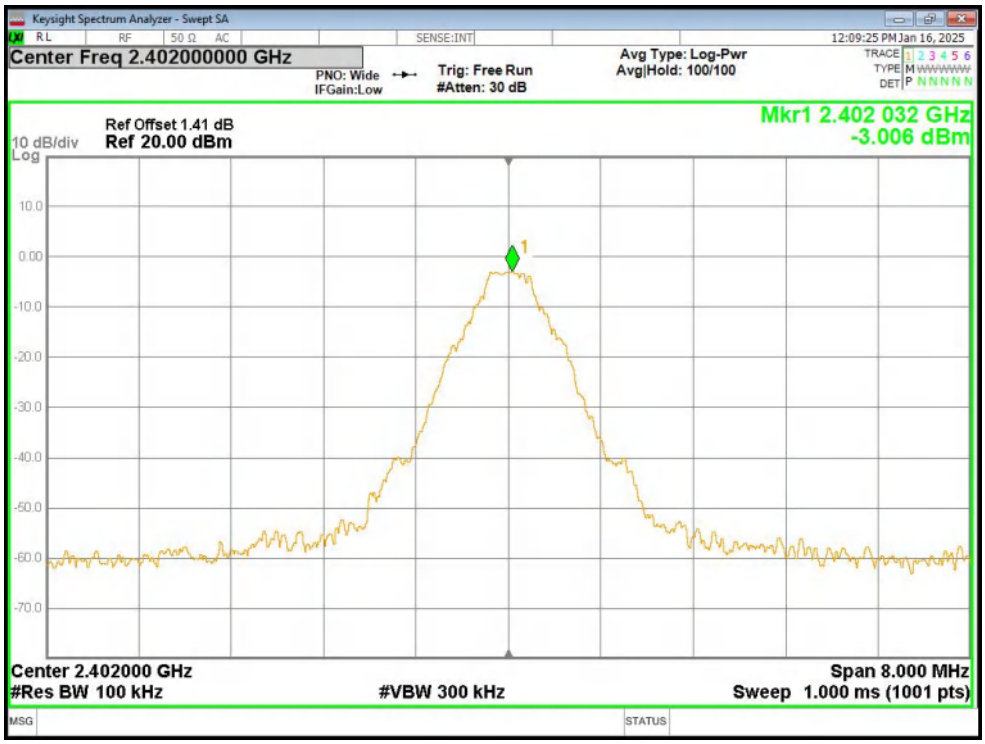
Hopping No. NVNT 2-DH5 Ant1

Hopping No. NVNT 3-DH5 Ant1

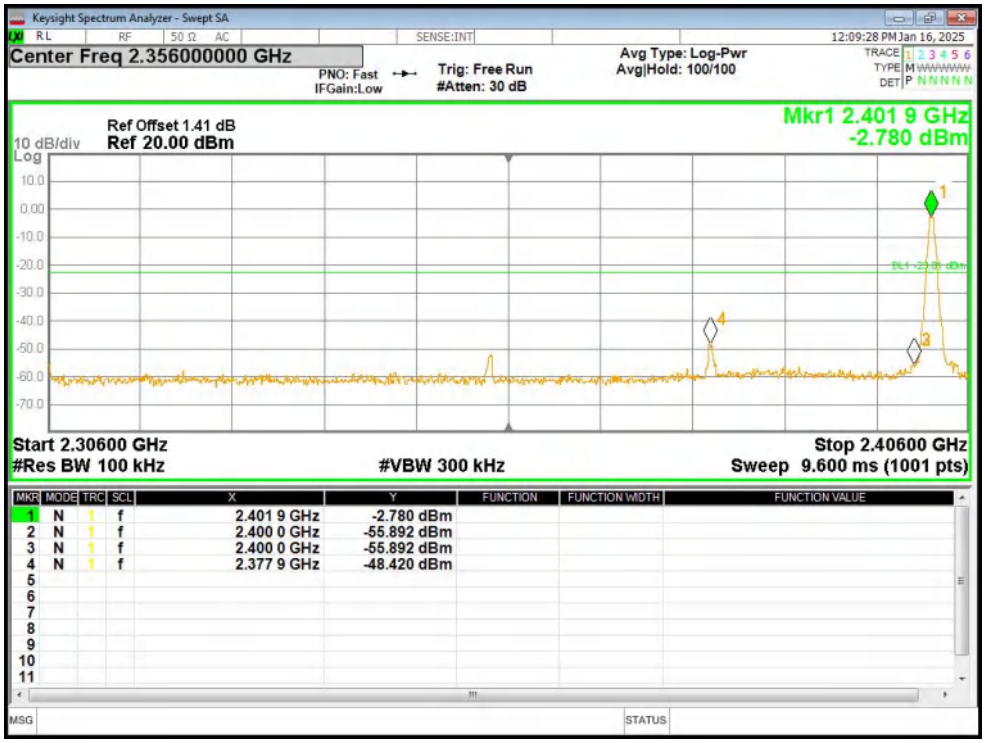
7.Band Edge

Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
1-DH5	2402	No-Hopping	-45.4	-20	Pass
1-DH5	2480	No-Hopping	-51.85	-20	Pass
2-DH5	2402	No-Hopping	-48.04	-20	Pass
2-DH5	2480	No-Hopping	-51.25	-20	Pass
3-DH5	2402	No-Hopping	-46.53	-20	Pass
3-DH5	2480	No-Hopping	-50.44	-20	Pass

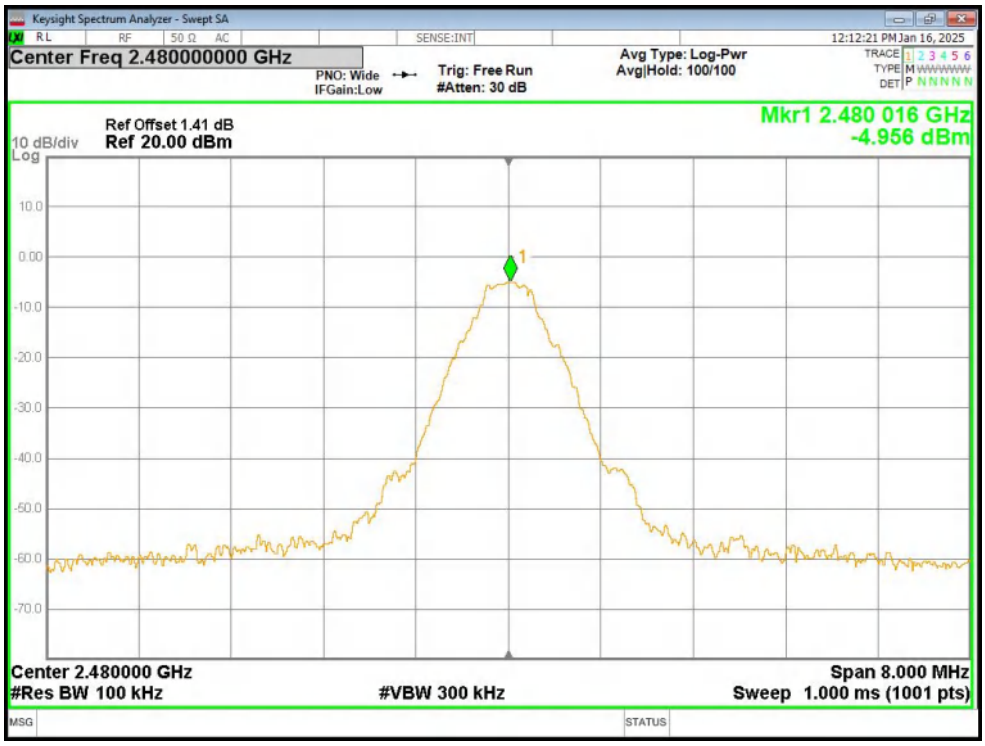
Test Graphs
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



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

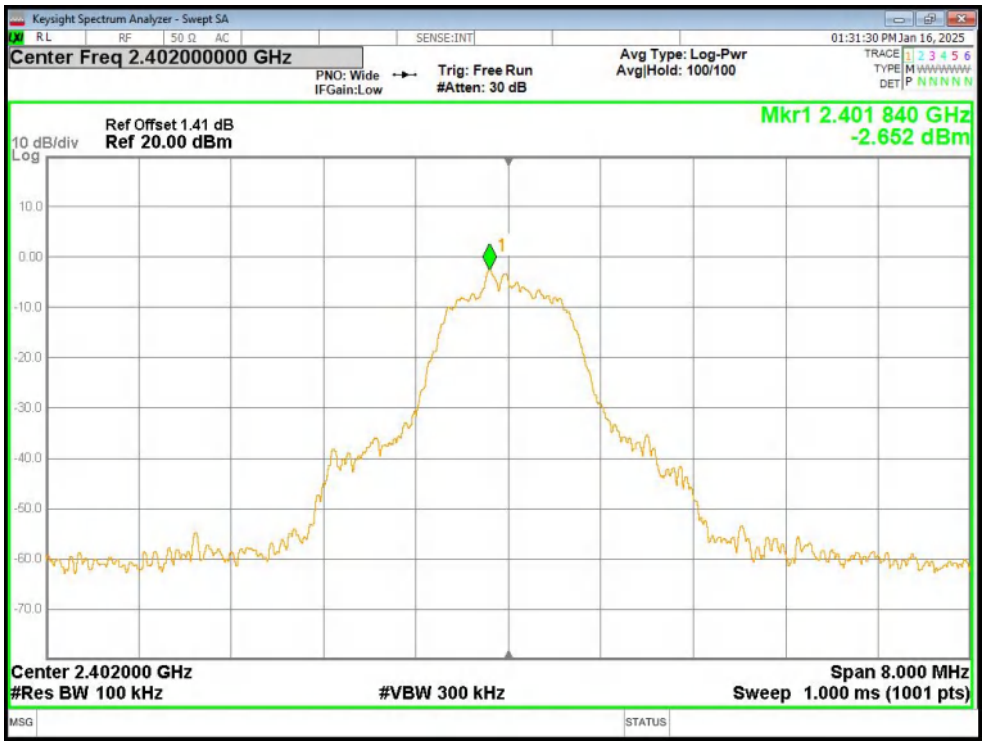


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



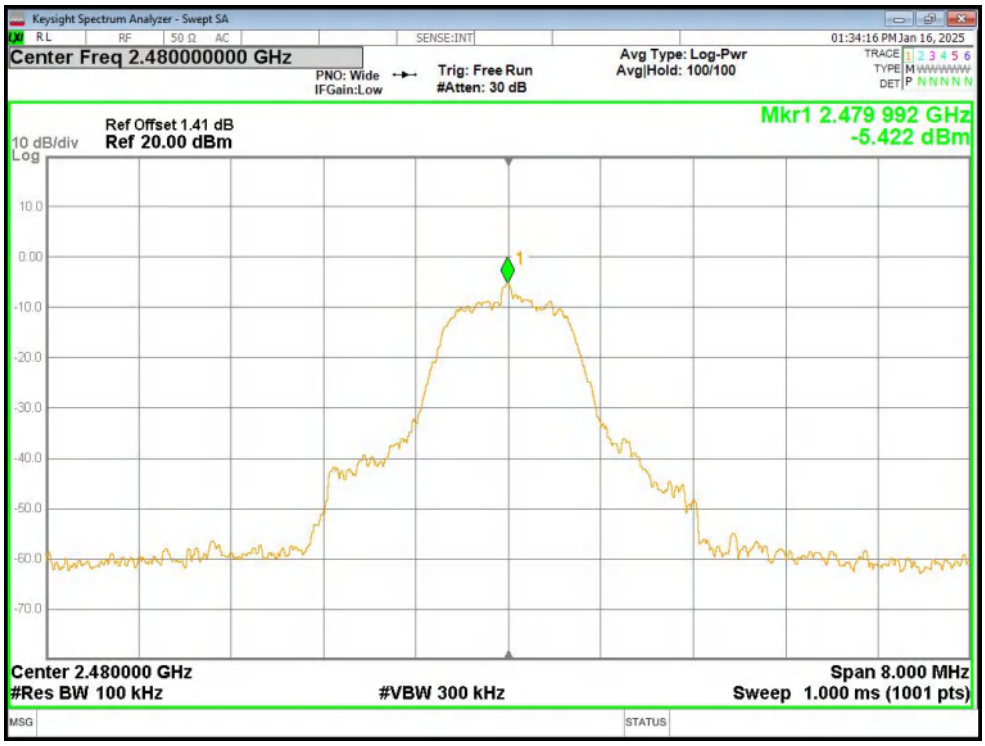
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

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



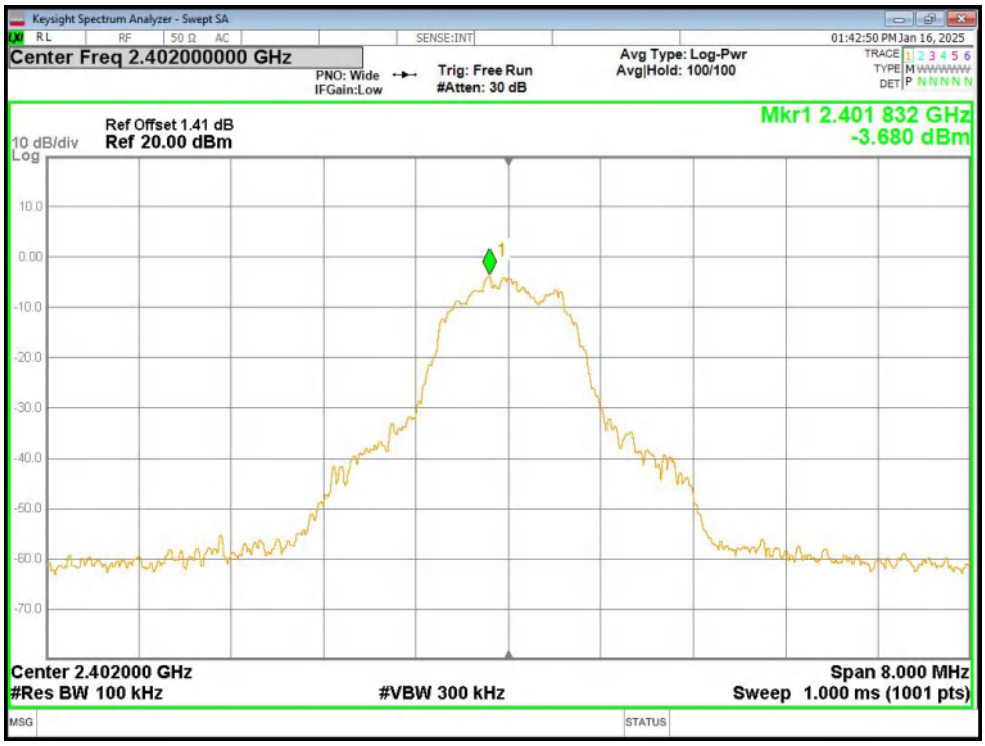
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

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



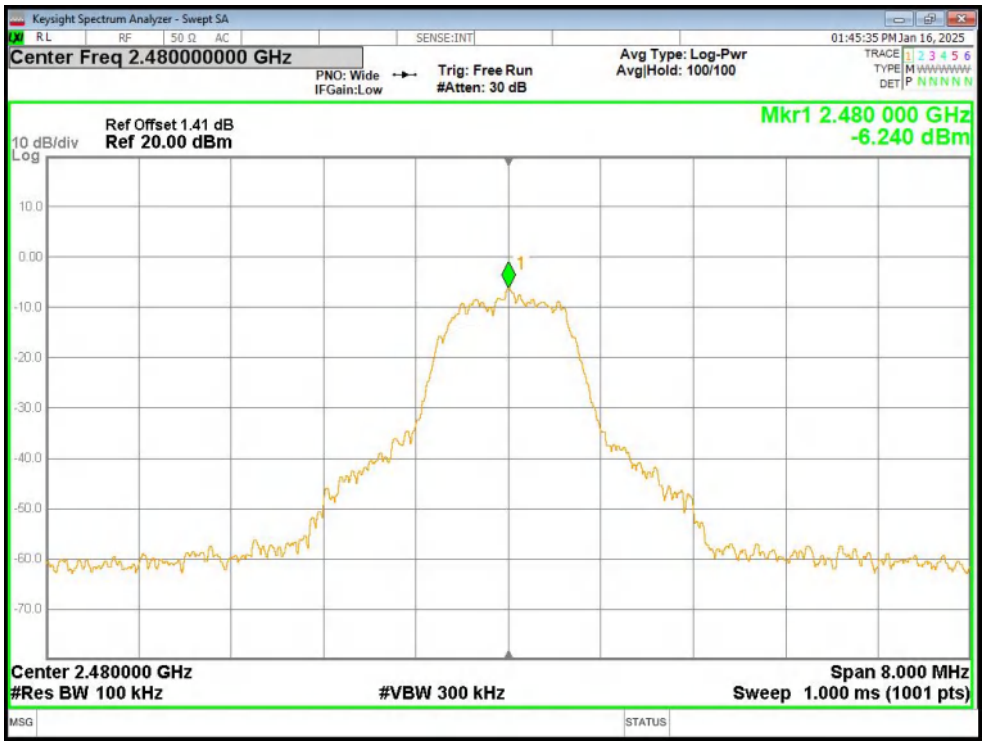
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission

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



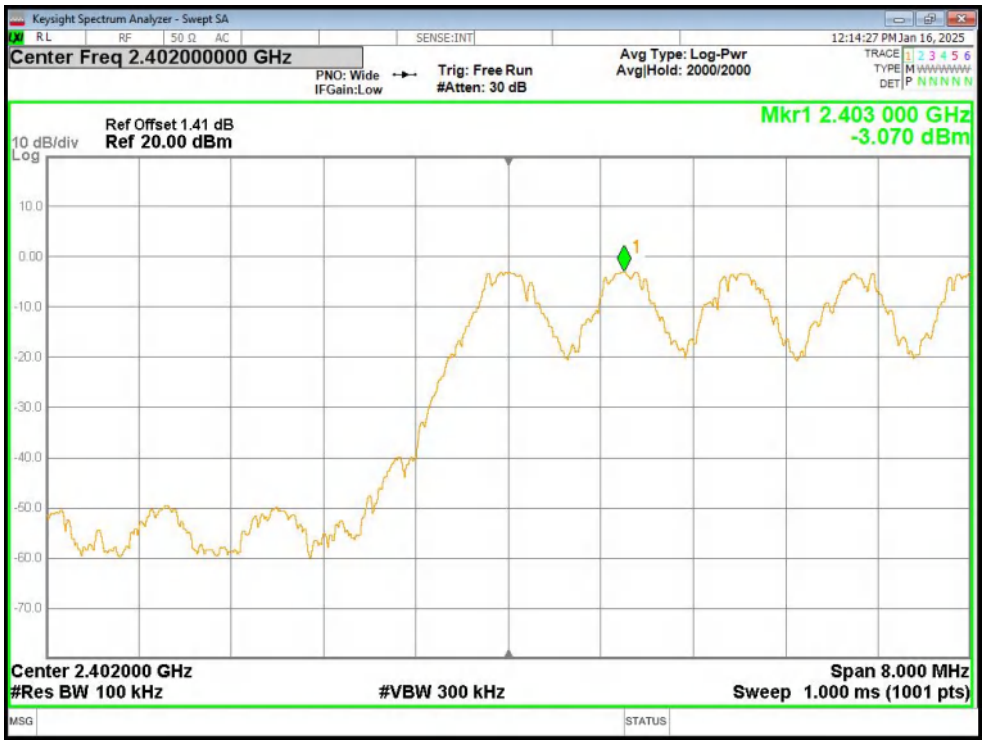
Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission

8.Band Edge(Hopping)

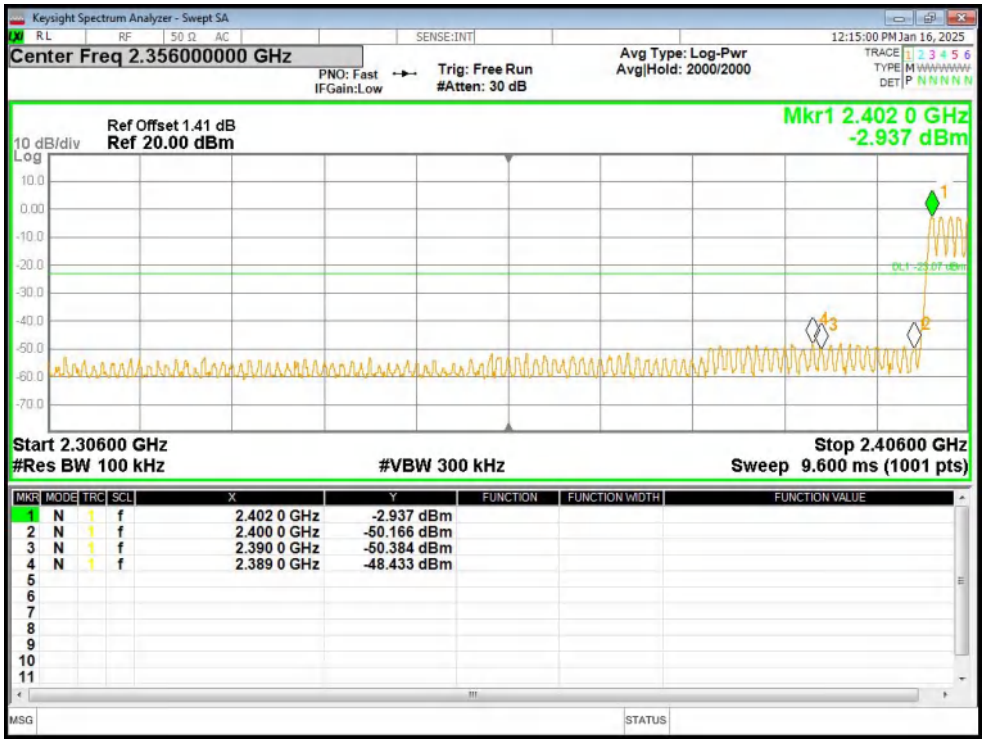
Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
1-DH5	2402	Hopping	-45.36	-20	Pass
1-DH5	2480	Hopping	-45.3	-20	Pass
2-DH5	2402	Hopping	-46.75	-20	Pass
2-DH5	2480	Hopping	-46.84	-20	Pass
3-DH5	2402	Hopping	-46.64	-20	Pass
3-DH5	2480	Hopping	-46.49	-20	Pass

Test Graphs

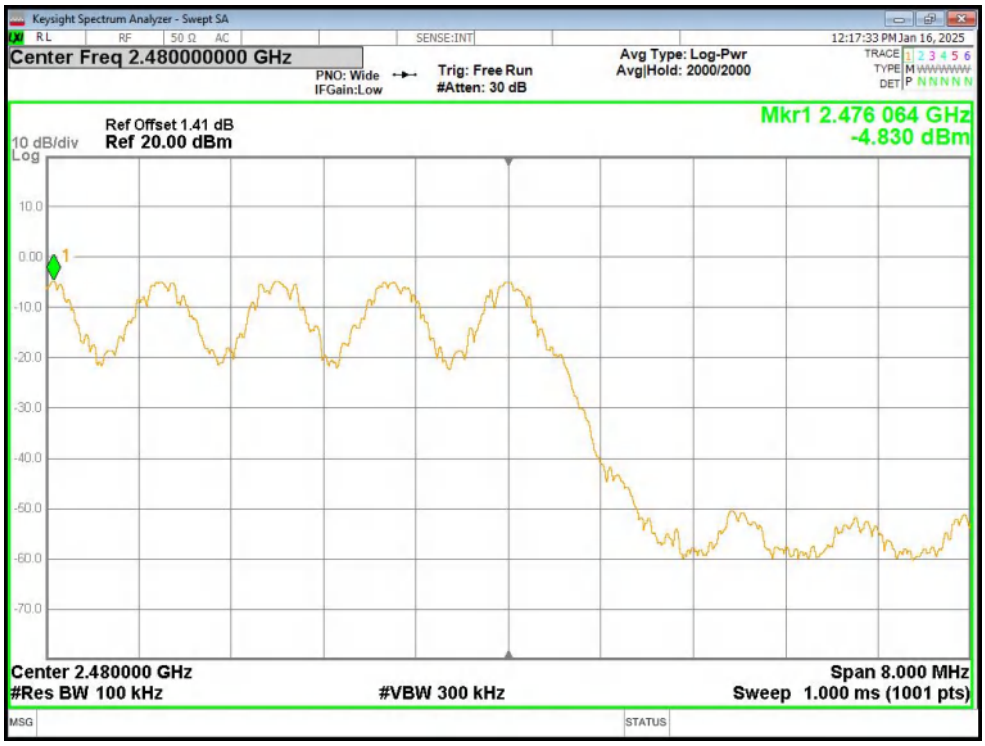
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



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



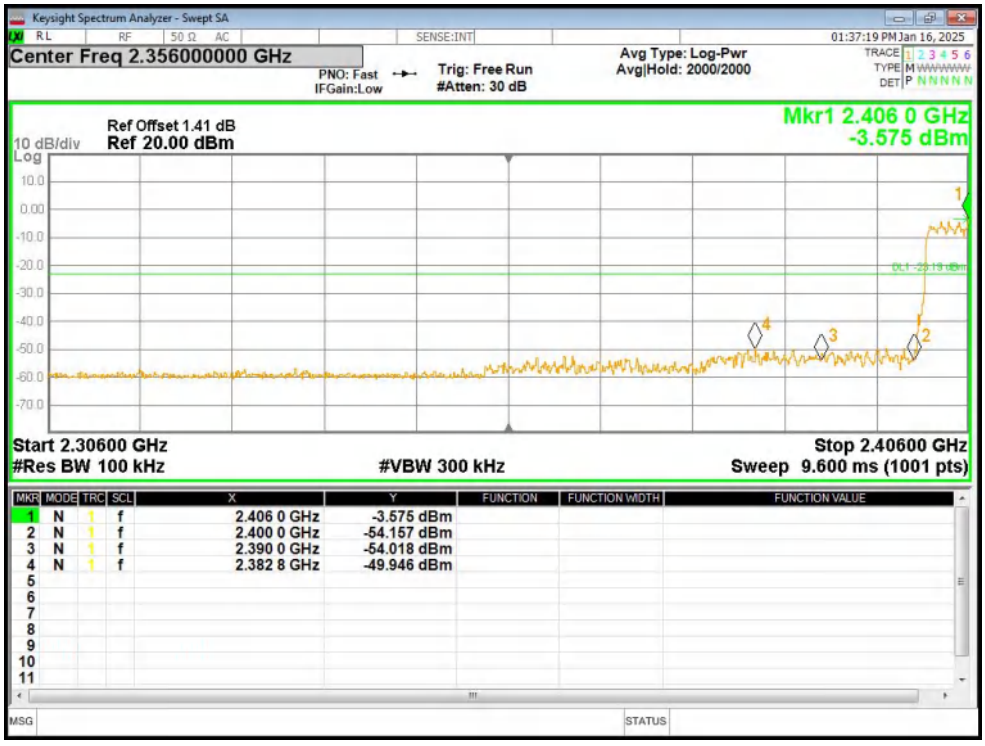
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



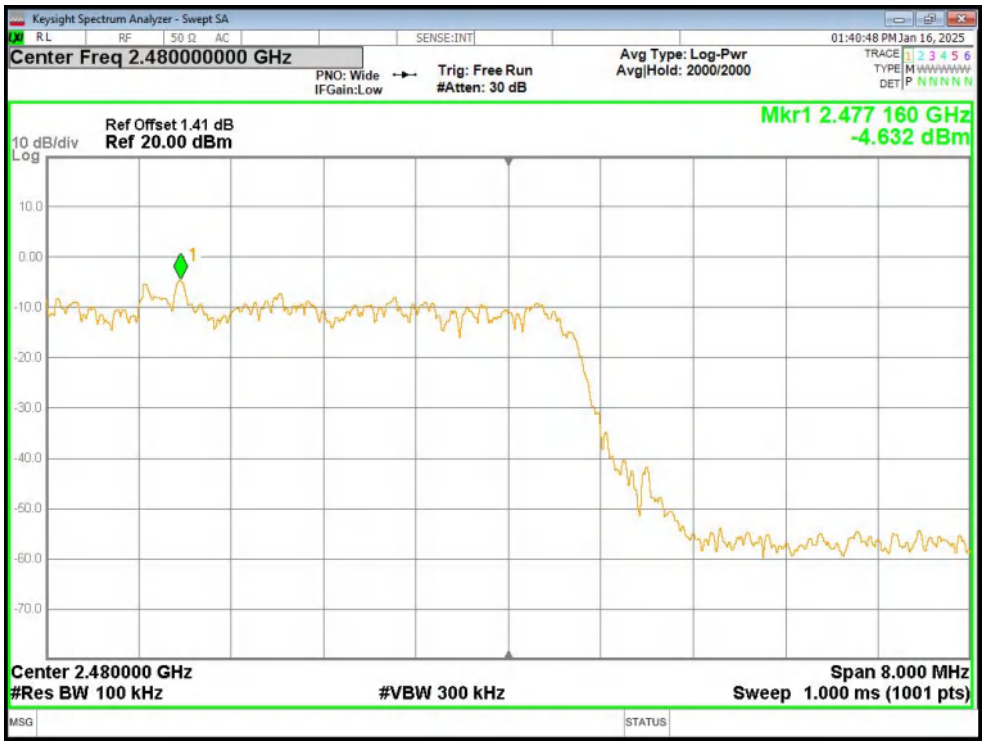
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission

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

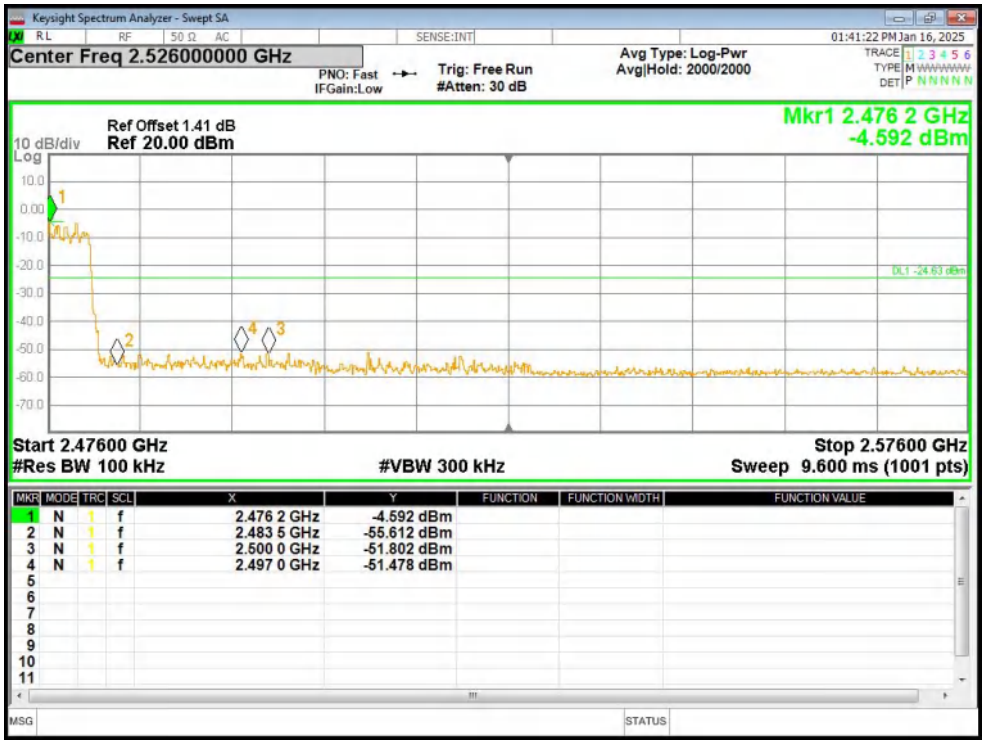
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission



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



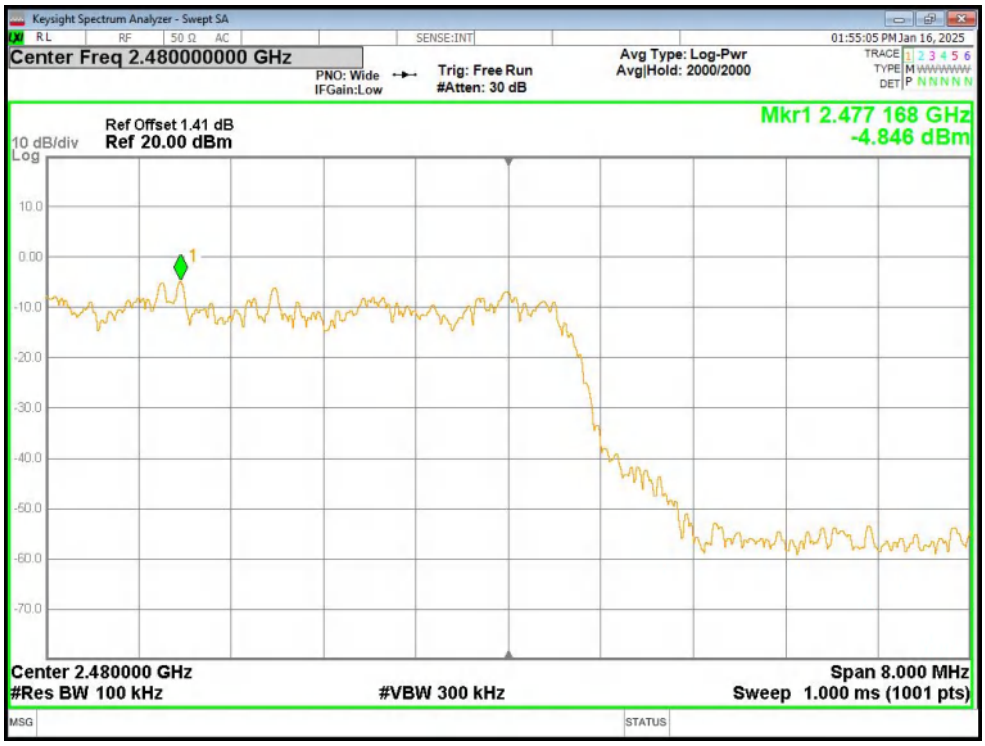
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission



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

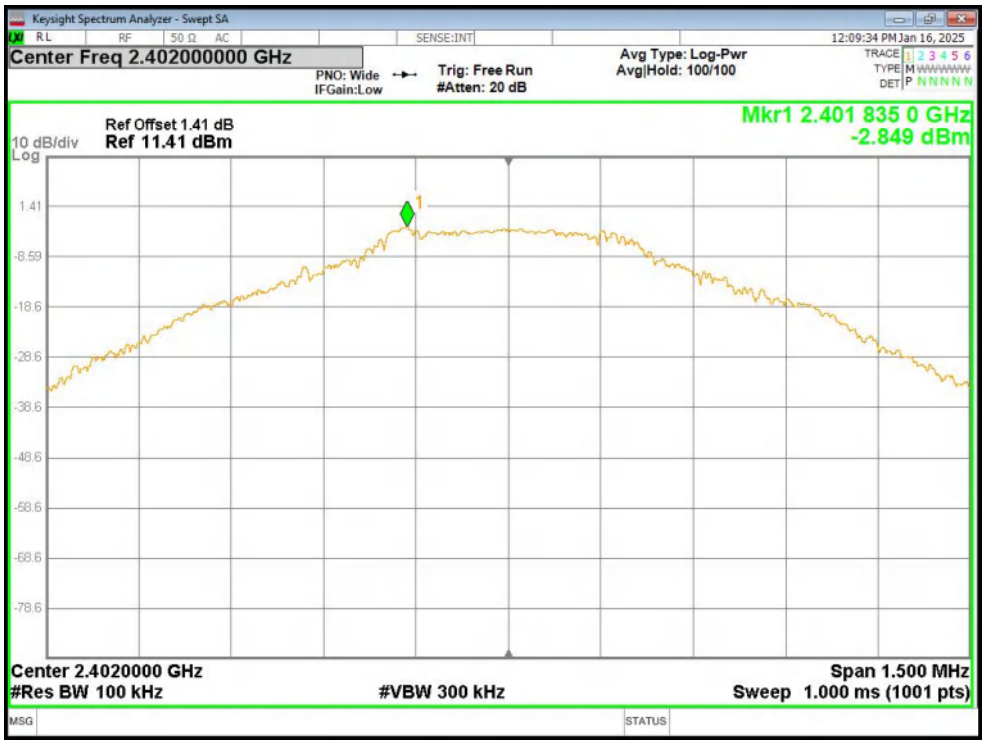


Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission

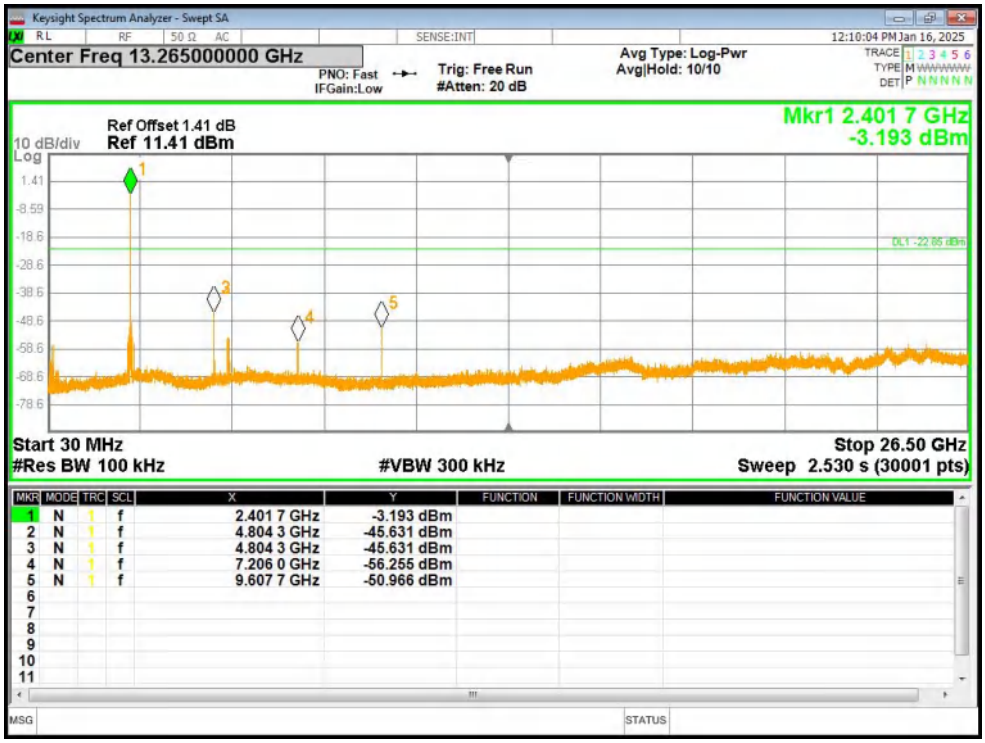
9.Conducted RF Spurious Emission

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
1-DH5	2402	-42.78	-20	Pass
1-DH5	2441	-40.7	-20	Pass
1-DH5	2480	-38.67	-20	Pass
2-DH5	2402	-42.31	-20	Pass
2-DH5	2441	-43.2	-20	Pass
2-DH5	2480	-42.22	-20	Pass
3-DH5	2402	-42.09	-20	Pass
3-DH5	2441	-42.18	-20	Pass
3-DH5	2480	-41.09	-20	Pass

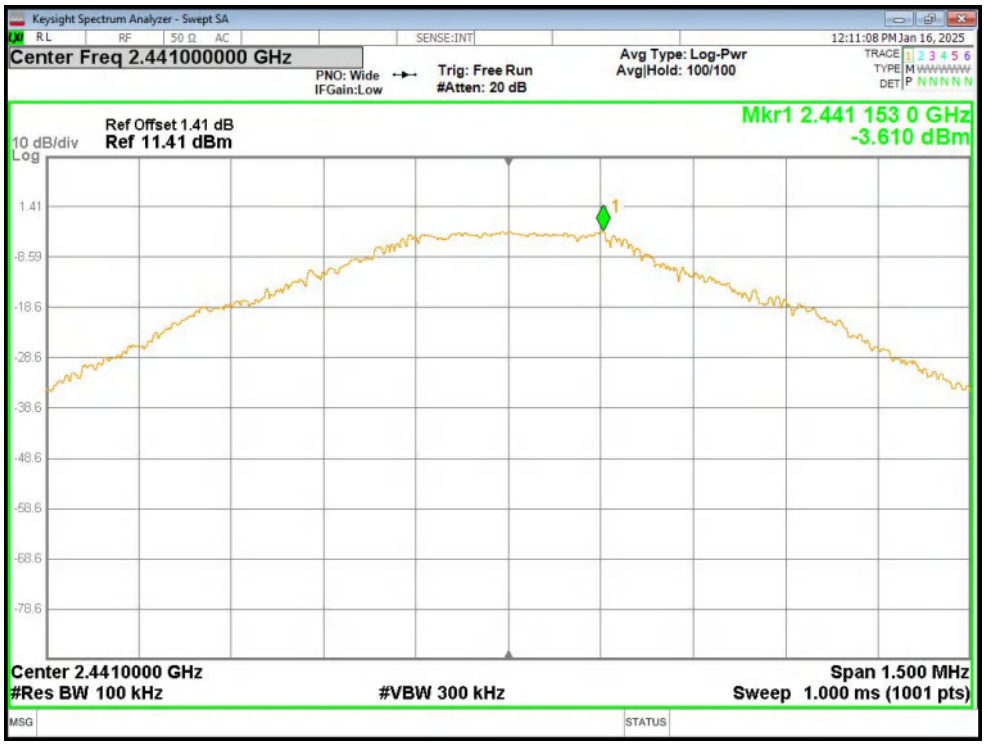
Test Graphs
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



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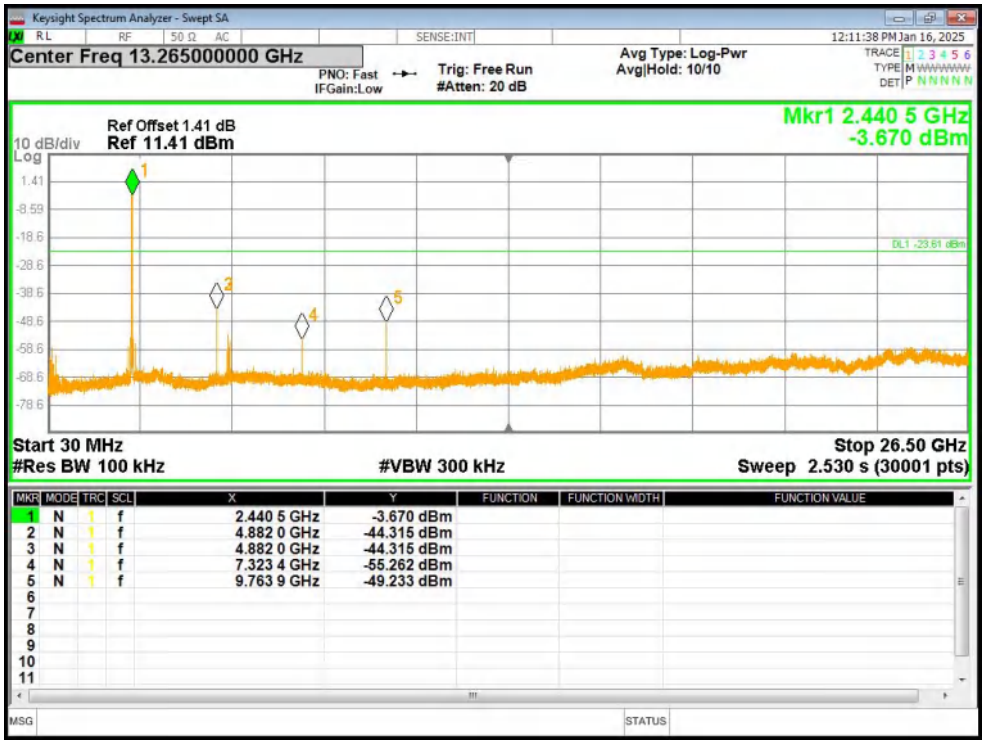
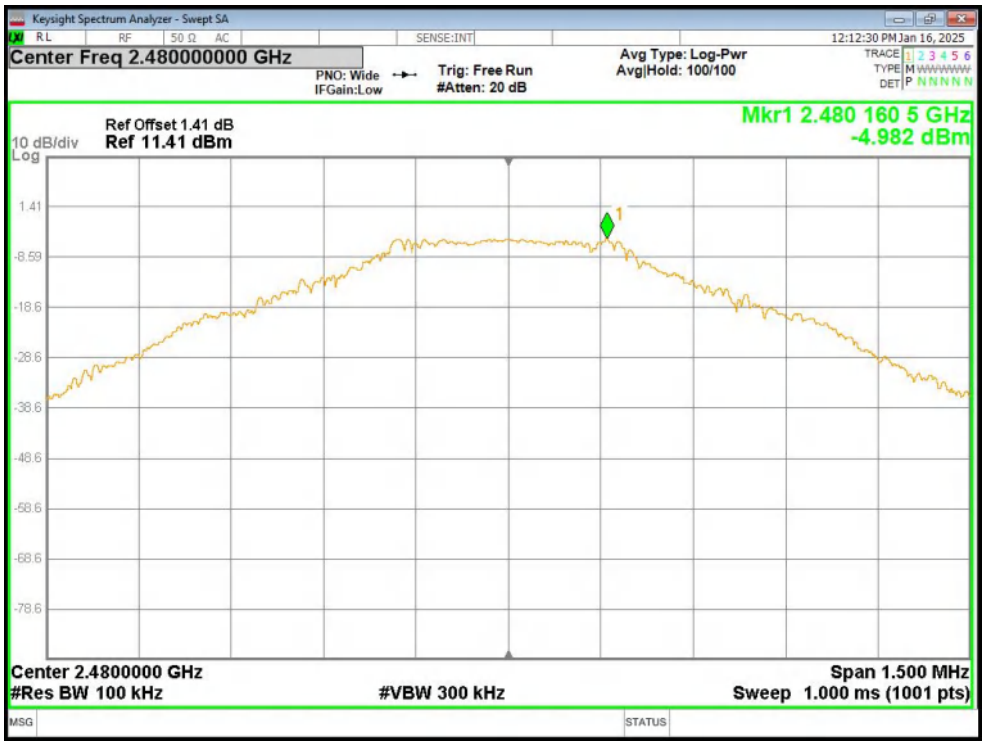


Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



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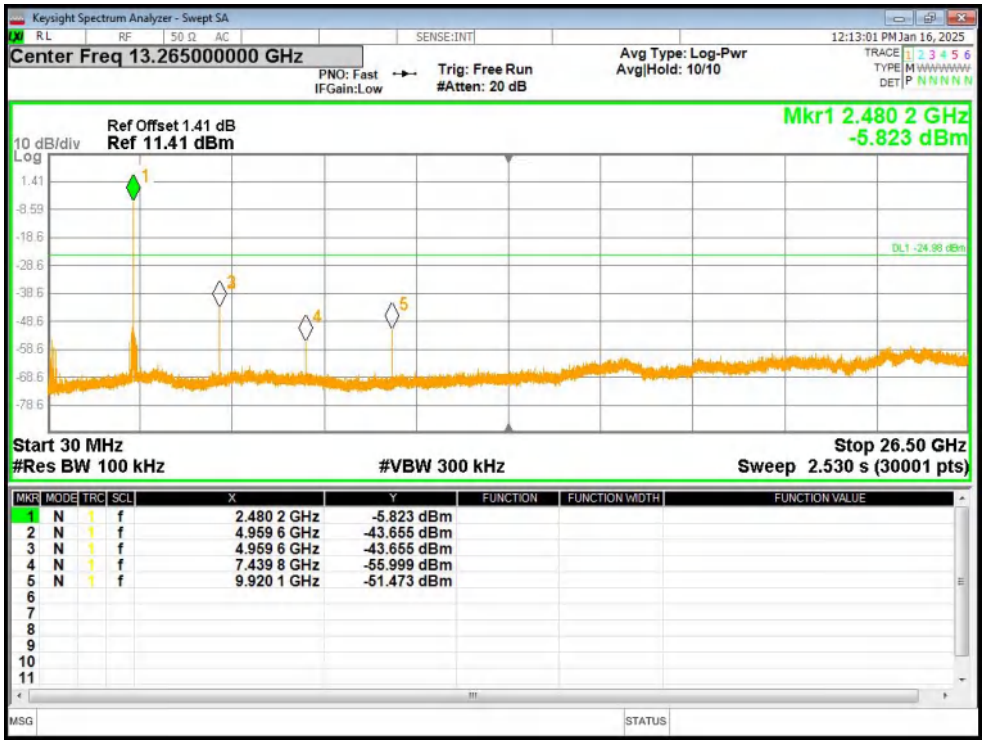

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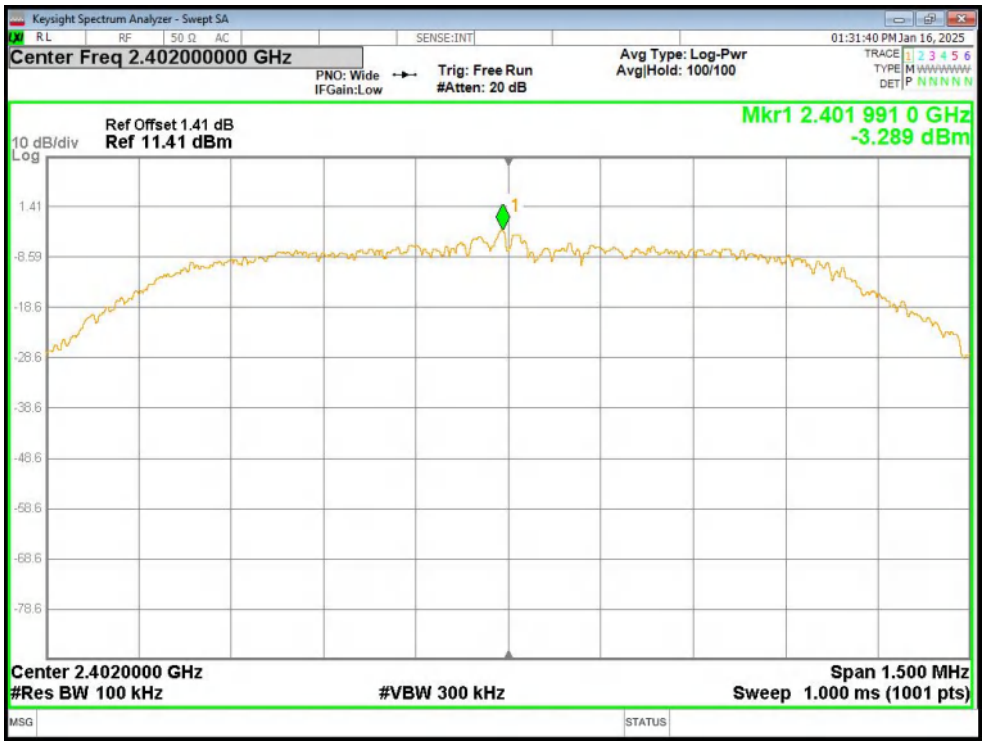
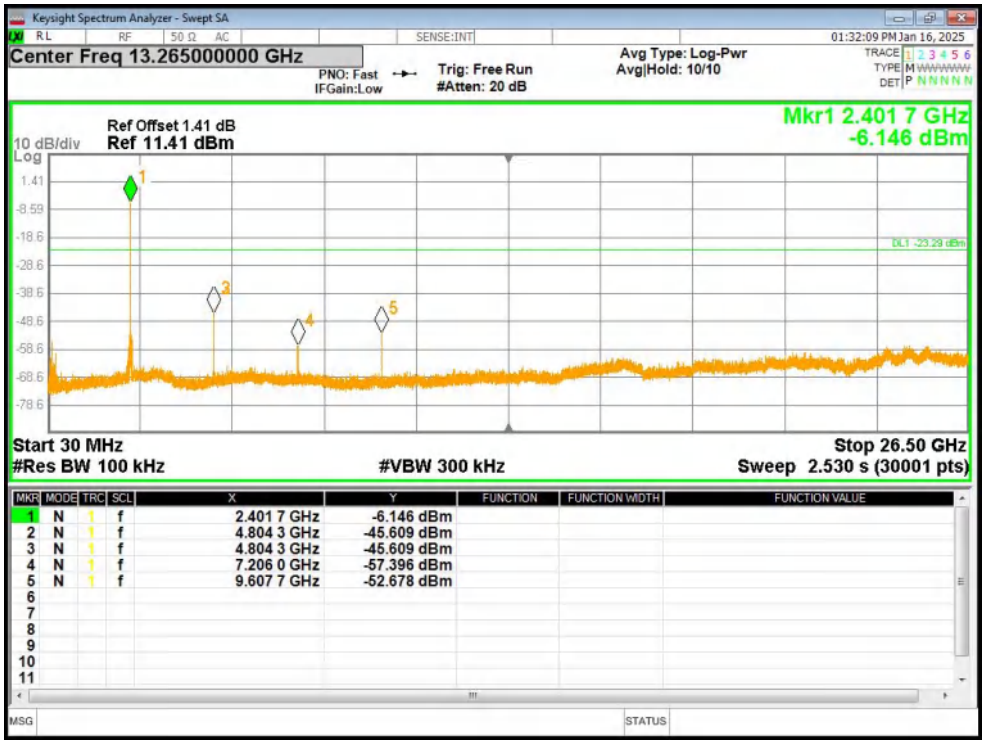
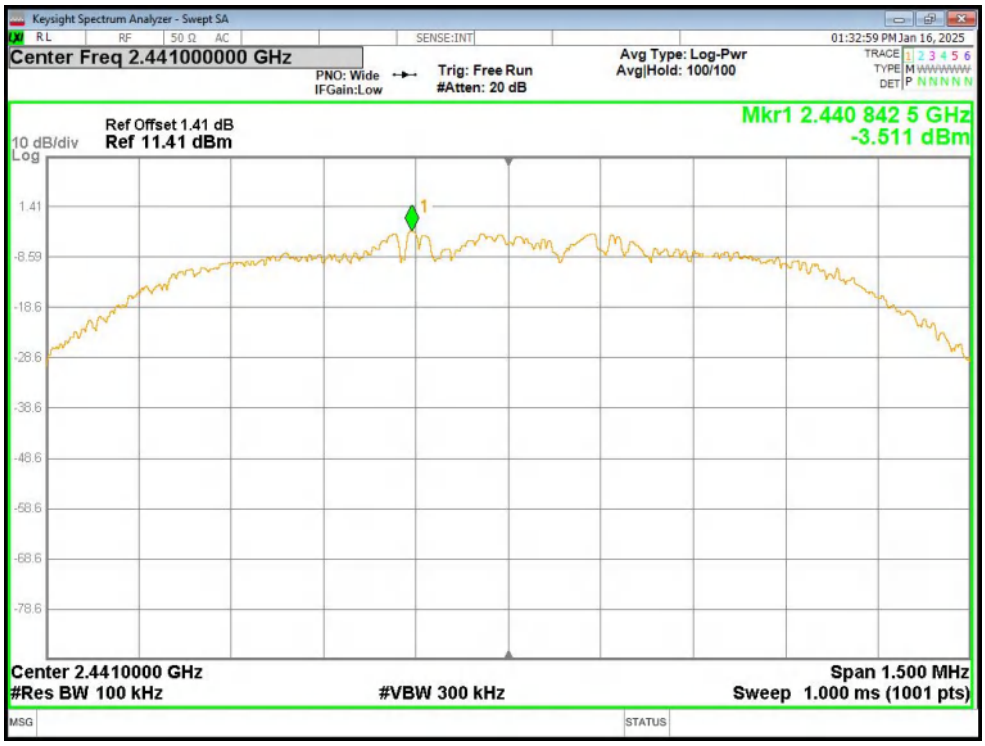


Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission

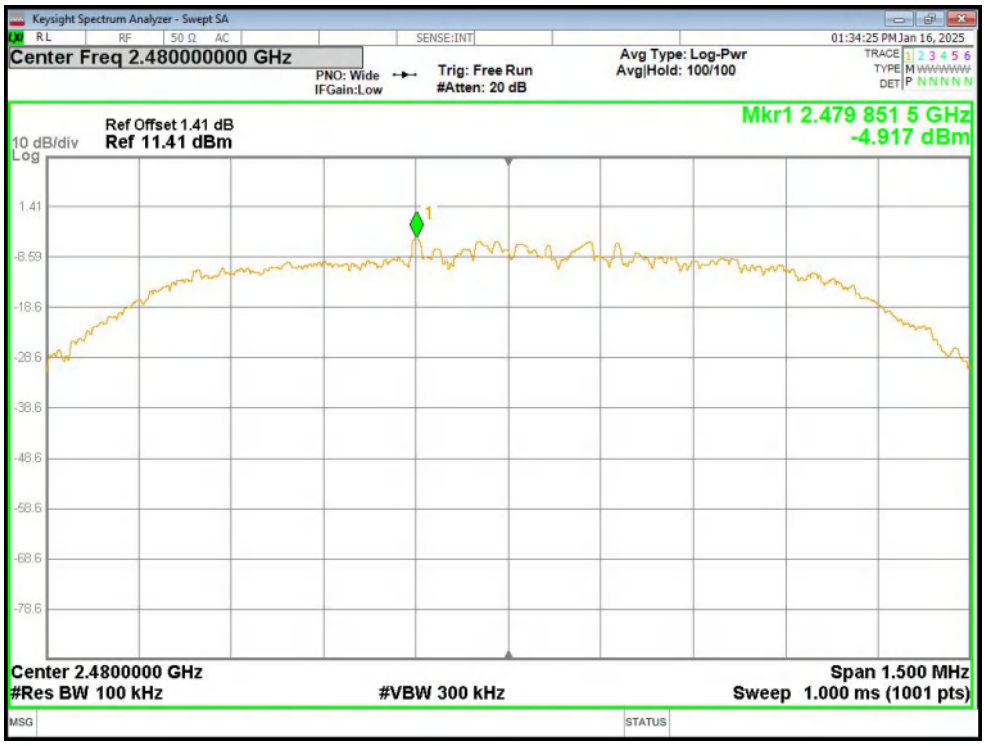


Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission

Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



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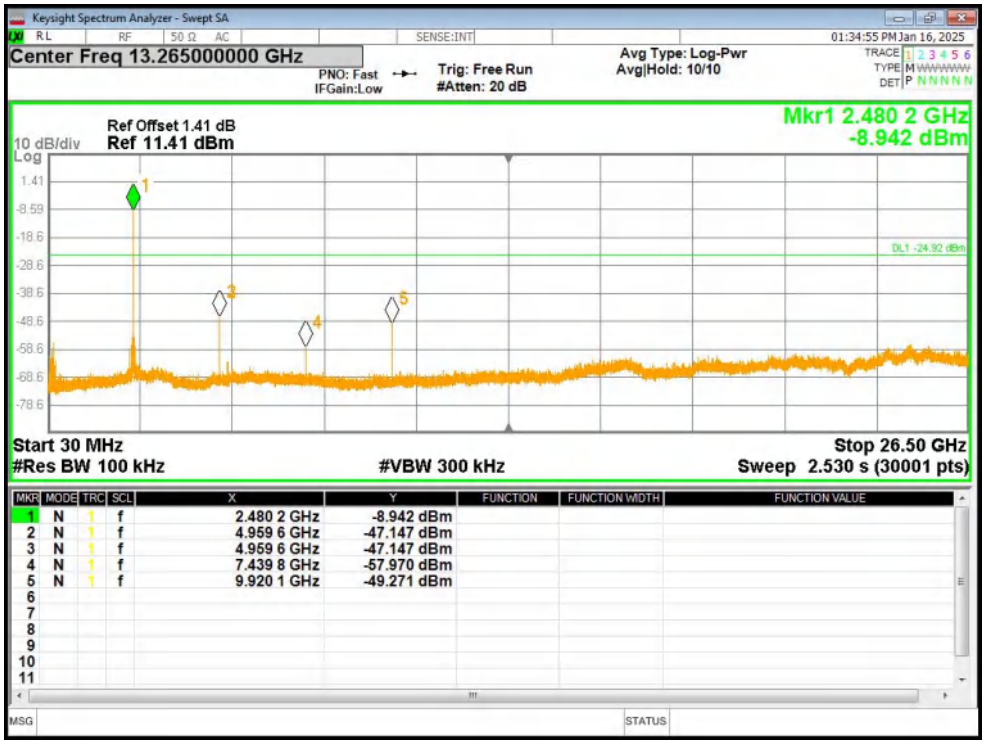

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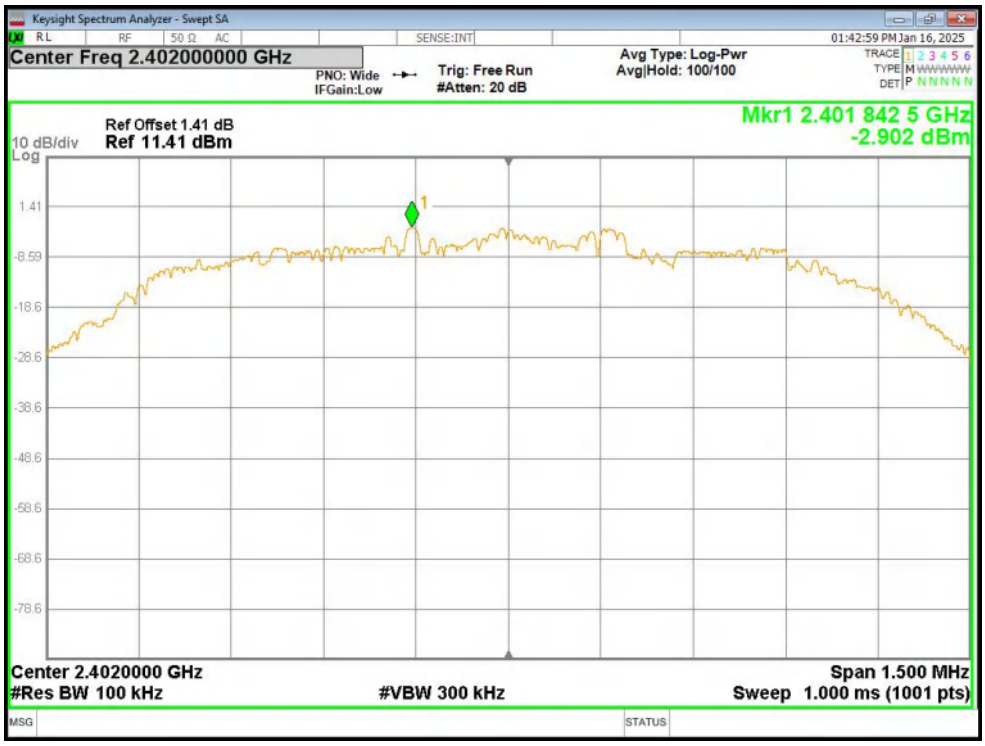
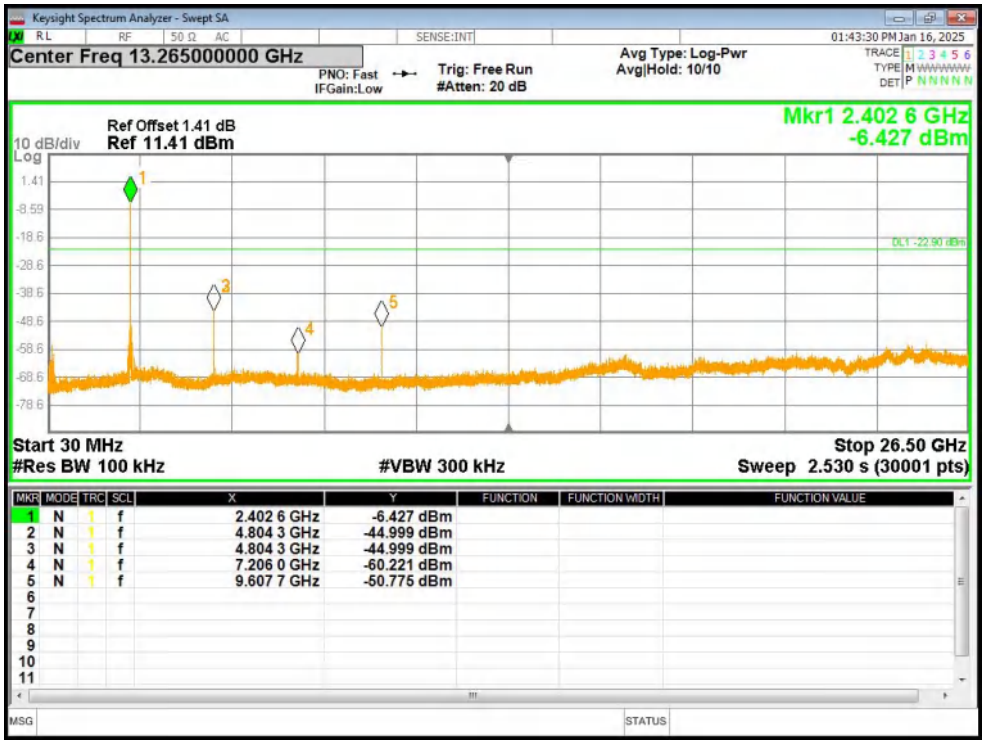
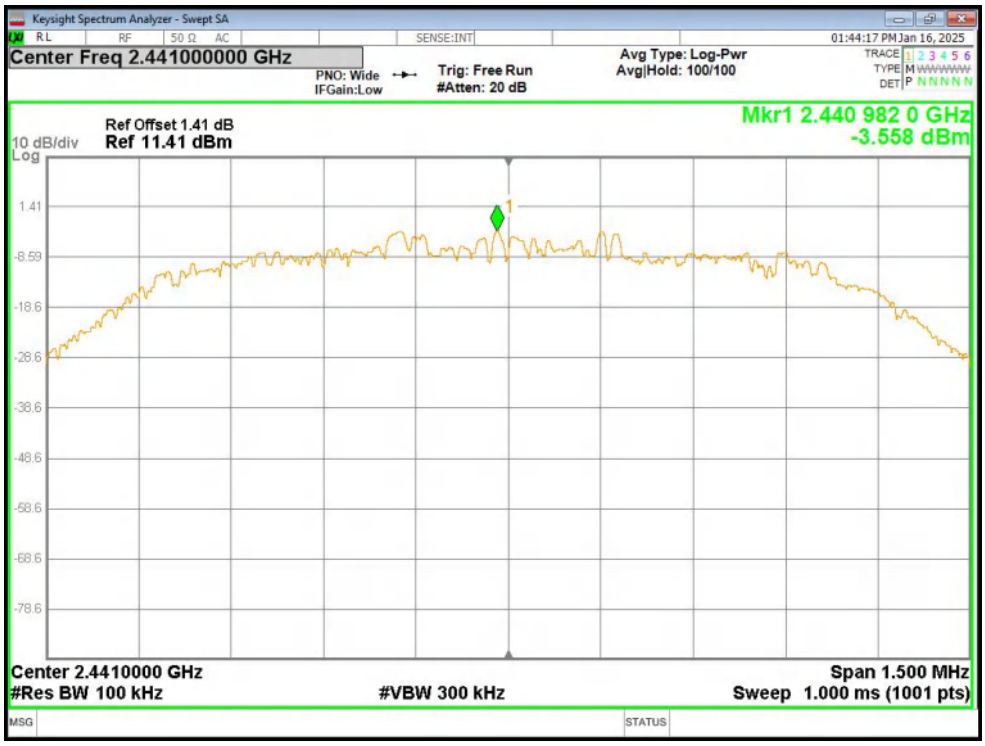


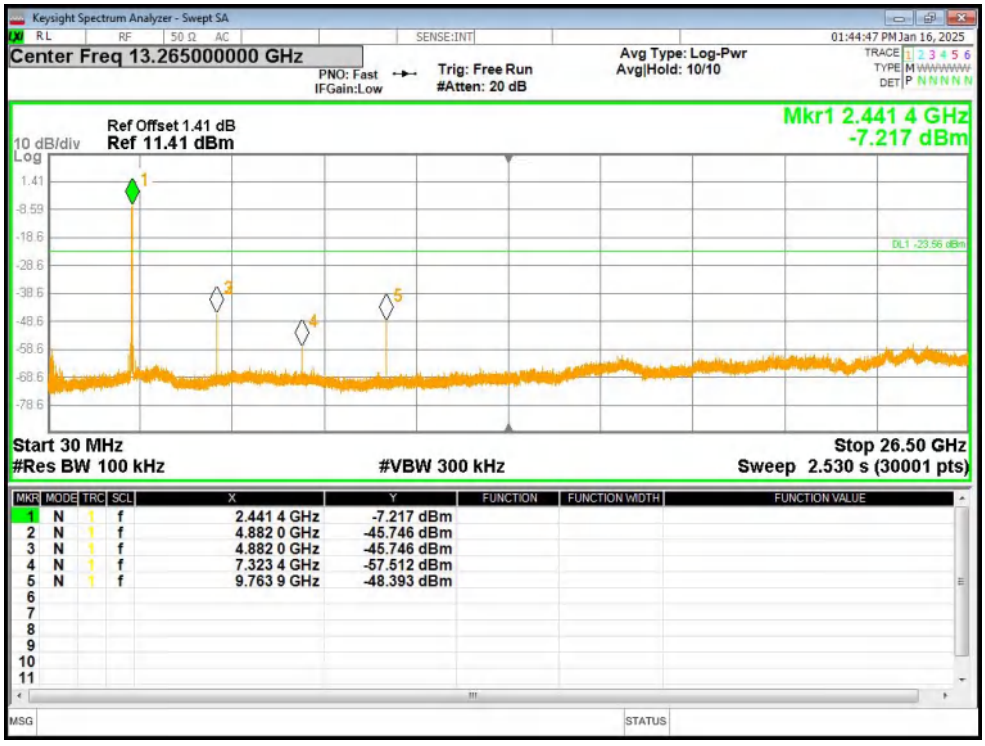
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission



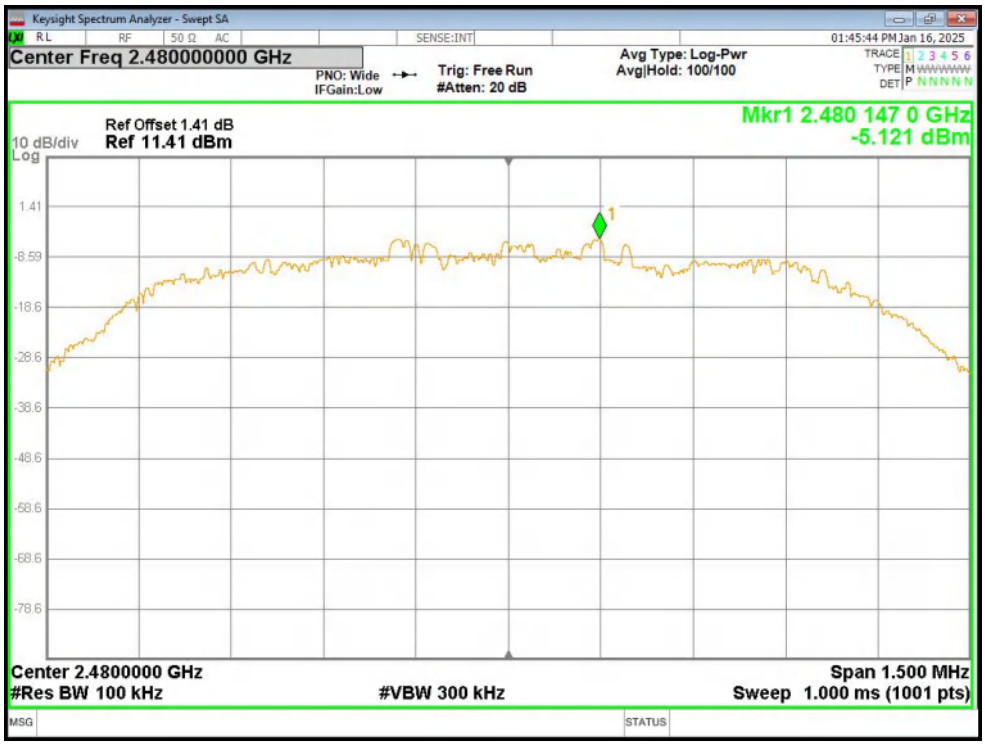
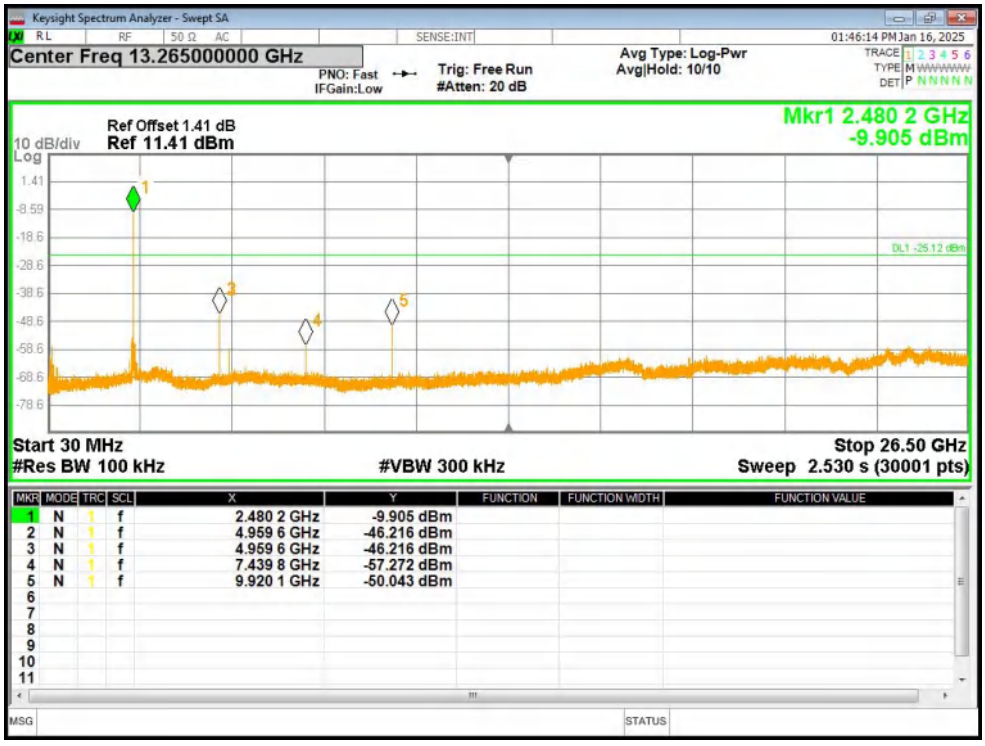
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission