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FCC ID:2BEET-V851S

FCC_BT(Part15.247) Test Data

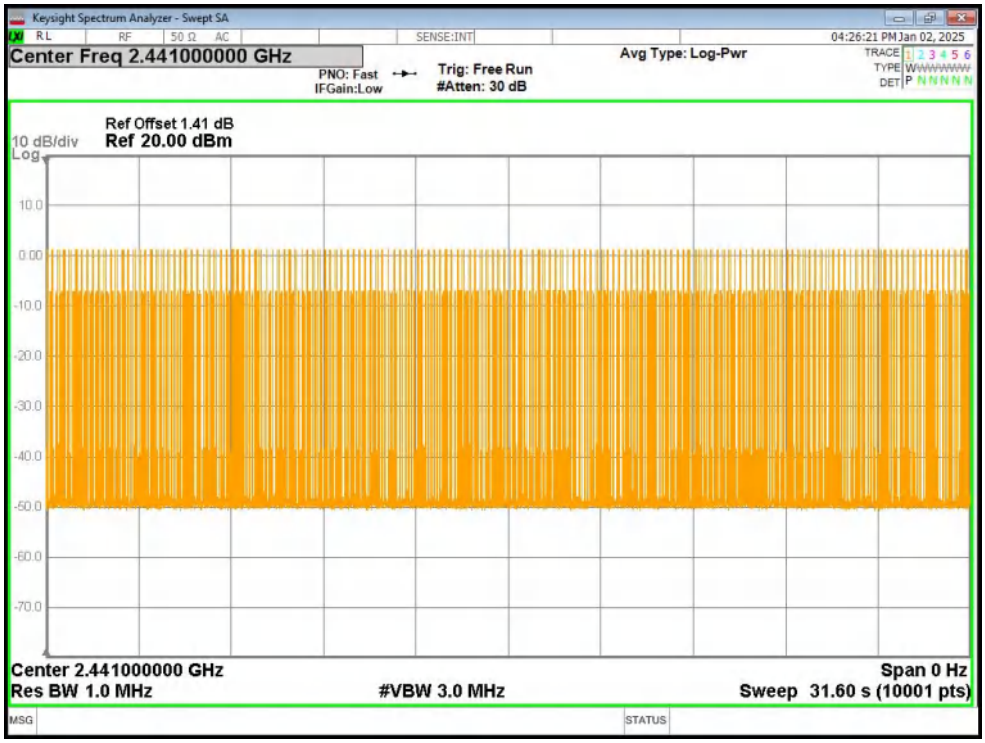
1.Dwell Time

Mode	Frequency (MHz)	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
1-DH1	2441	0.383	121.794	318	31600	400	Pass
1-DH3	2441	1.639	272.074	166	31600	400	Pass
1-DH5	2441	2.887	294.474	102	31600	400	Pass
2-DH1	2441	0.392	124.656	318	31600	400	Pass
2-DH3	2441	1.643	254.665	155	31600	400	Pass
2-DH5	2441	2.892	280.524	97	31600	400	Pass
3-DH1	2441	0.391	124.338	318	31600	400	Pass
3-DH3	2441	1.643	269.452	164	31600	400	Pass
3-DH5	2441	2.893	326.909	113	31600	400	Pass

Test Graphs

Dwell NVNT 1-DH1 2441MHz Ant1 One Burst

Dwell NVNT 1-DH1 2441MHz Ant1 Accumulated

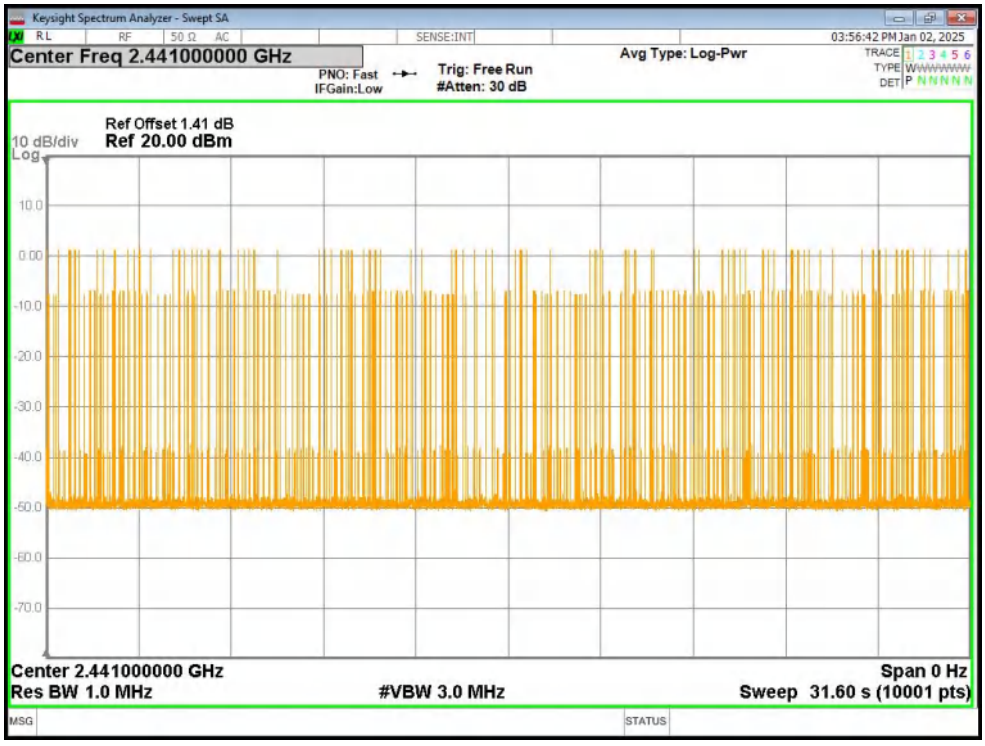


Dwell NVNT 1-DH3 2441MHz Ant1 One Burst

Dwell NVNT 1-DH3 2441MHz Ant1 Accumulated

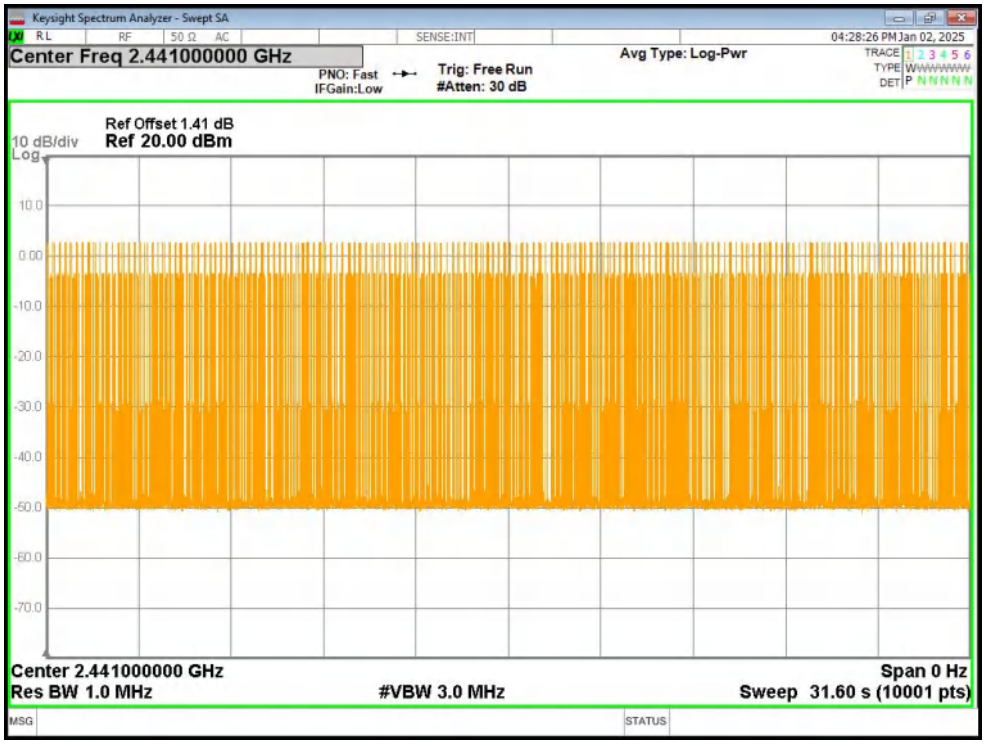
Dwell NVNT 1-DH5 2441MHz Ant1 One Burst

Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated



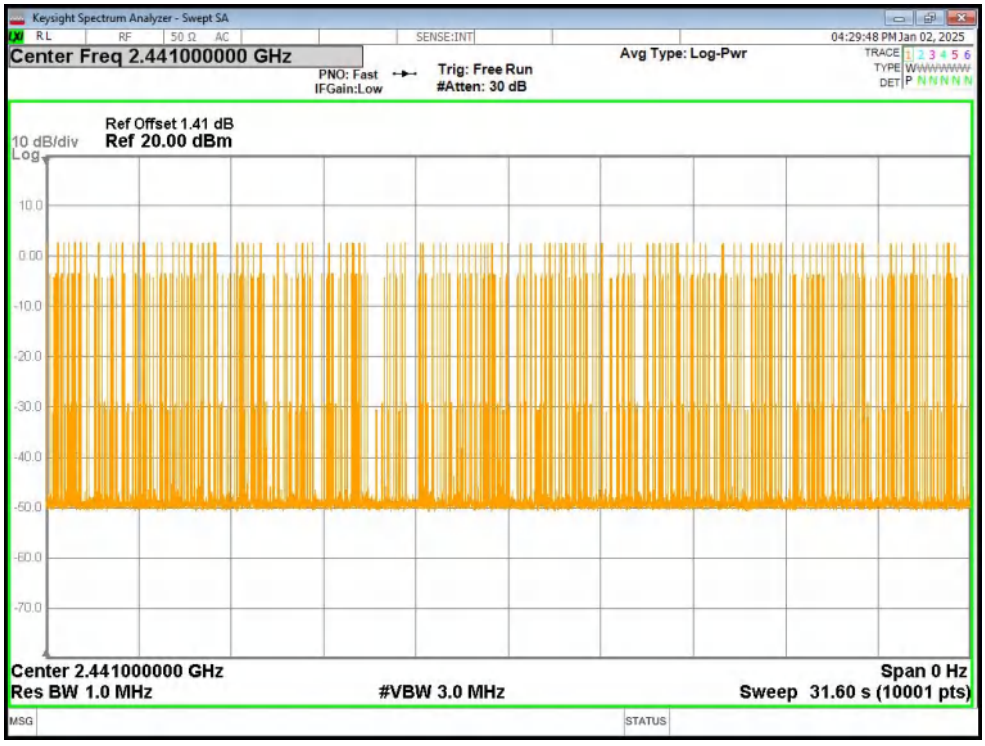
Dwell NVNT 2-DH1 2441MHz Ant1 One Burst

Dwell NVNT 2-DH1 2441MHz Ant1 Accumulated



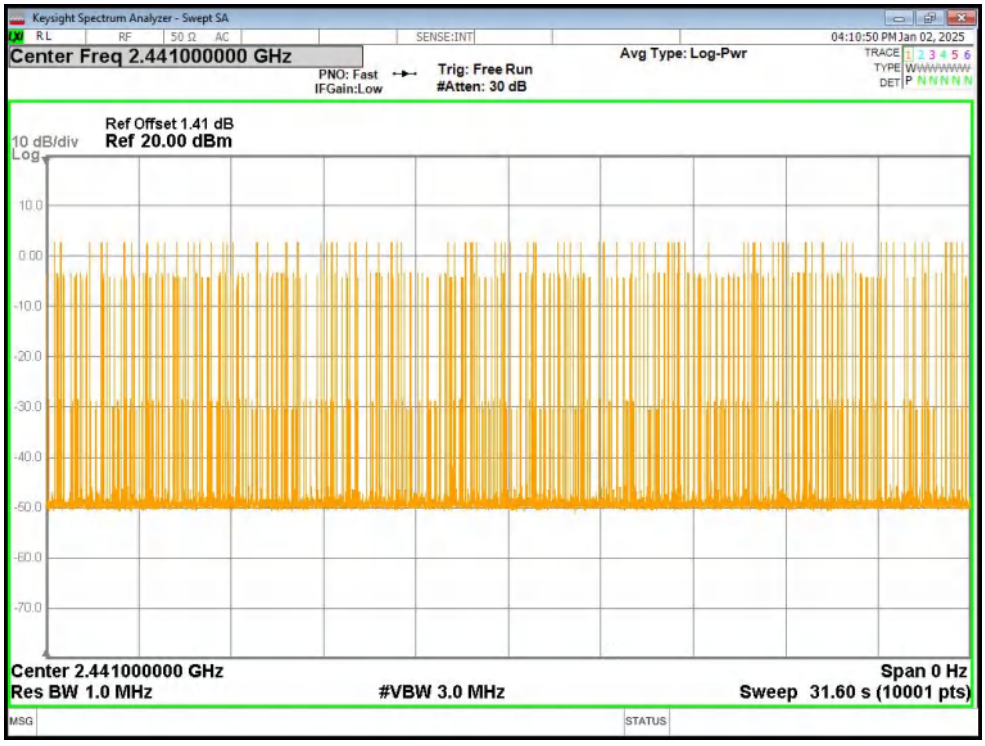
Dwell NVNT 2-DH3 2441MHz Ant1 One Burst

Dwell NVNT 2-DH3 2441MHz Ant1 Accumulated



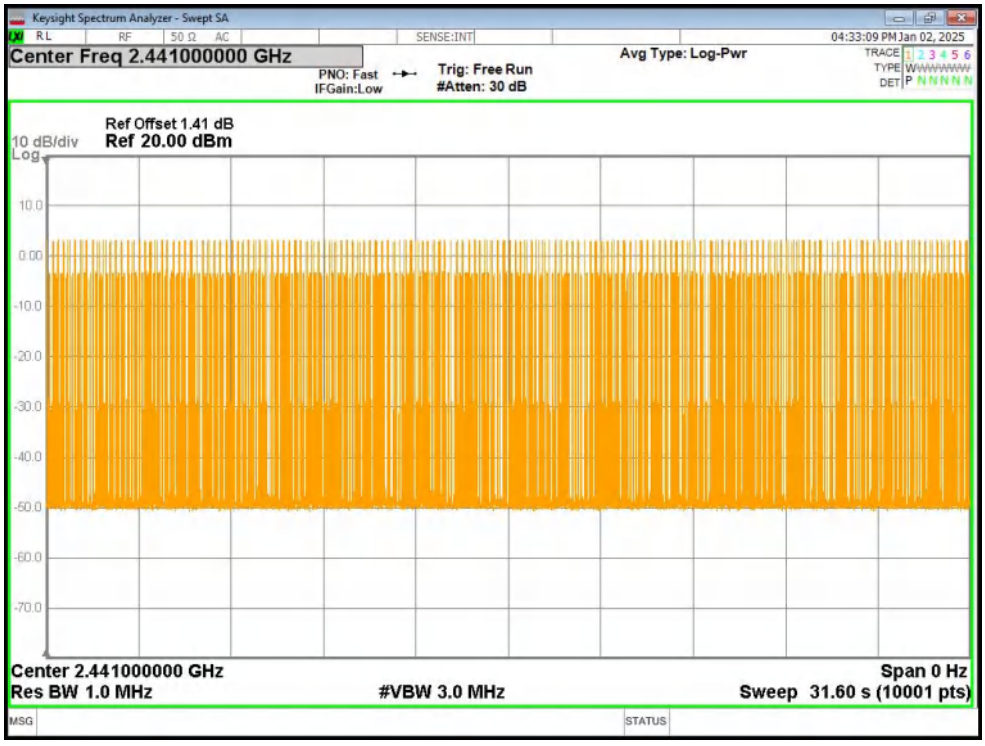
Dwell NVNT 2-DH5 2441MHz Ant1 One Burst

Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated



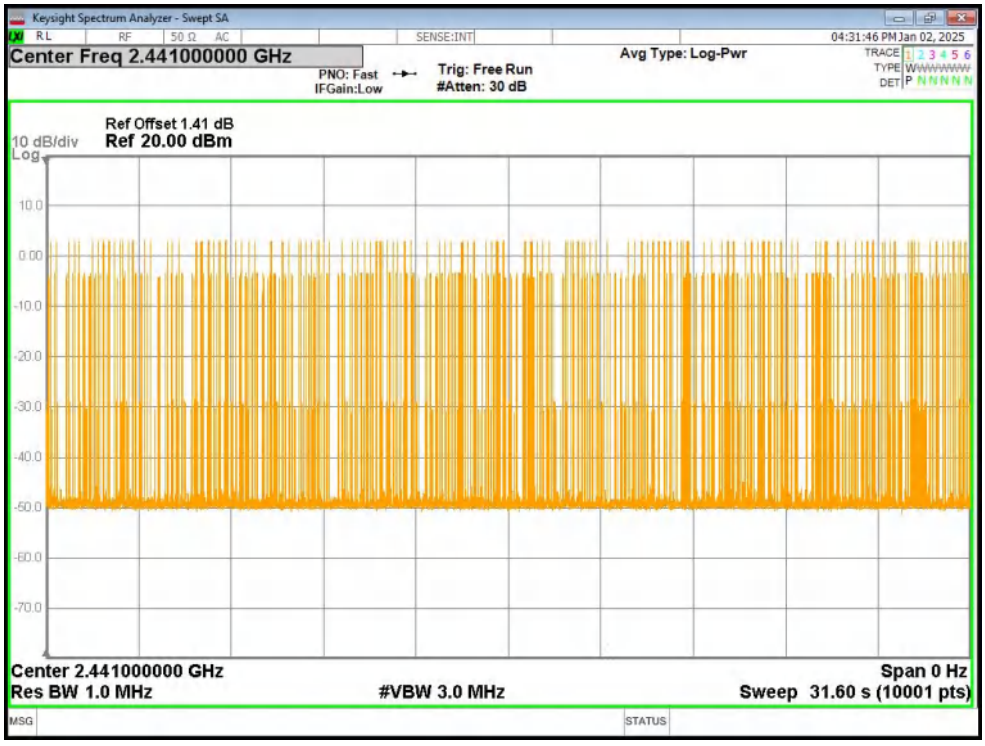
Dwell NVNT 3-DH1 2441MHz Ant1 One Burst

Dwell NVNT 3-DH1 2441MHz Ant1 Accumulated

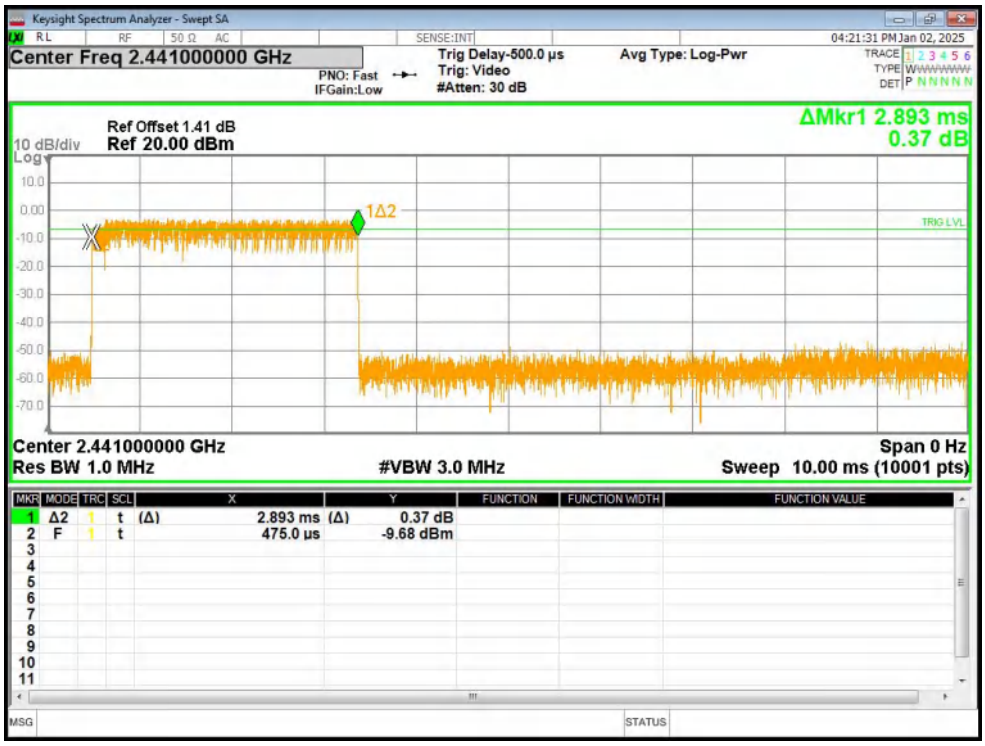


Dwell NVNT 3-DH3 2441MHz Ant1 One Burst

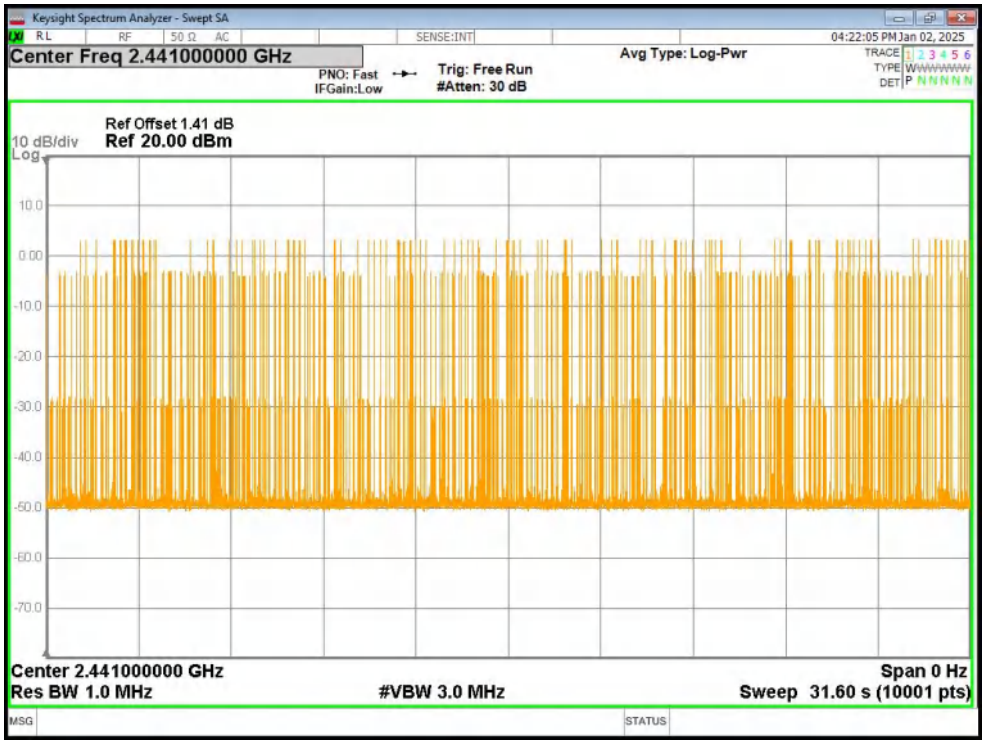
Dwell NVNT 3-DH3 2441MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2441MHz Ant1 One Burst



Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated

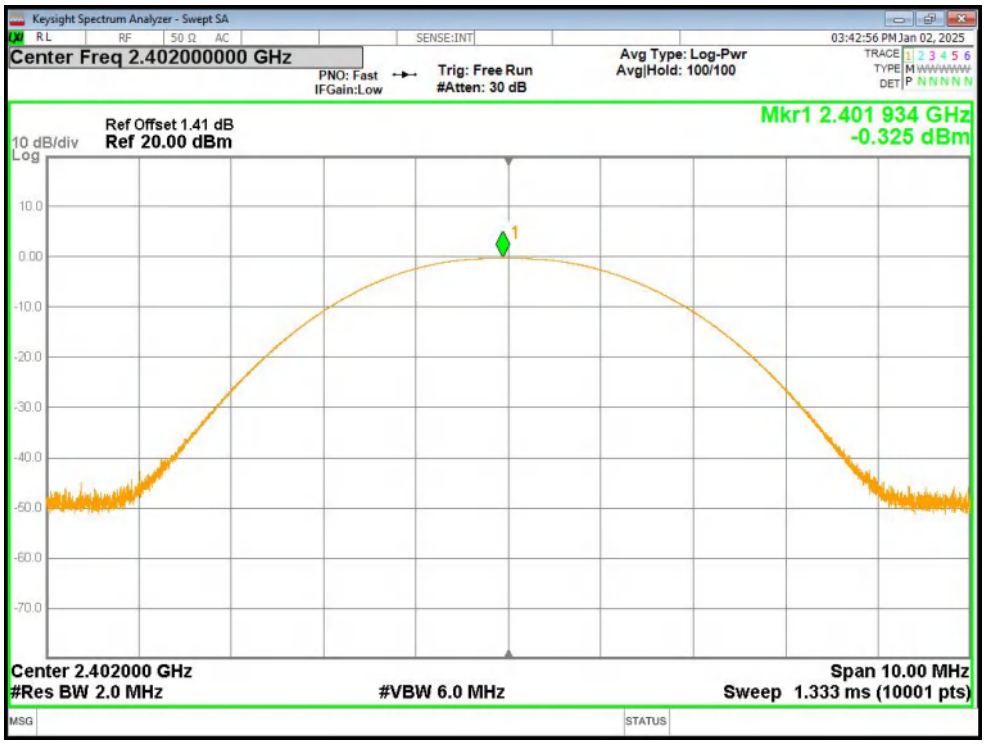


2.Maximum Peak Conducted Output Power

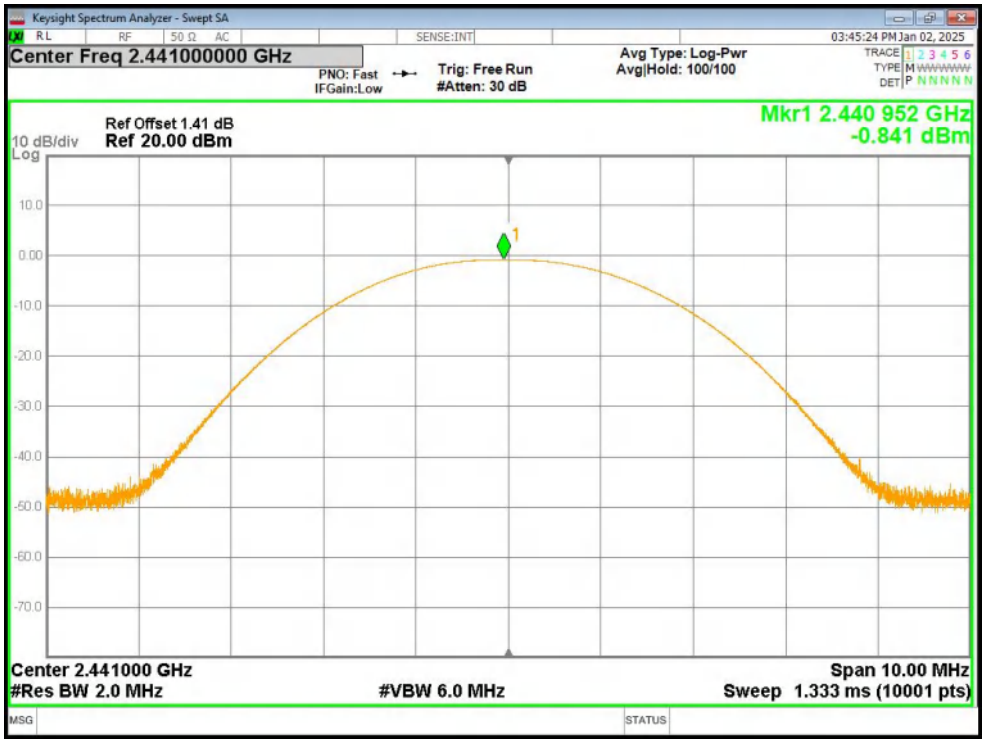
Mode	Frequency (MHz)	Total Power (dBm)	Limit (dBm)	Verdict
1-DH5	2402	-0.33	30	Pass
1-DH5	2441	-0.84	30	Pass
1-DH5	2480	-2.15	30	Pass
2-DH5	2402	5.84	21	Pass
2-DH5	2441	6.34	21	Pass
2-DH5	2480	6.14	21	Pass
3-DH5	2402	5.29	21	Pass
3-DH5	2441	5.71	21	Pass
3-DH5	2480	5.43	21	Pass

Test Graphs

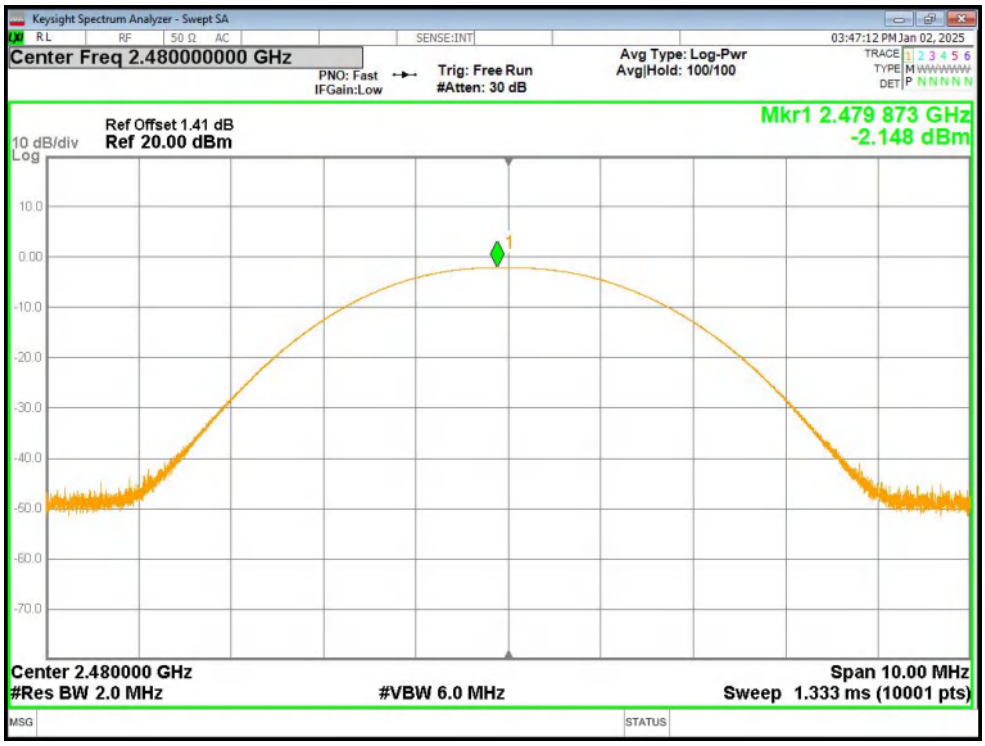
Peak Power NVNT 1-DH5 2402MHz Ant1



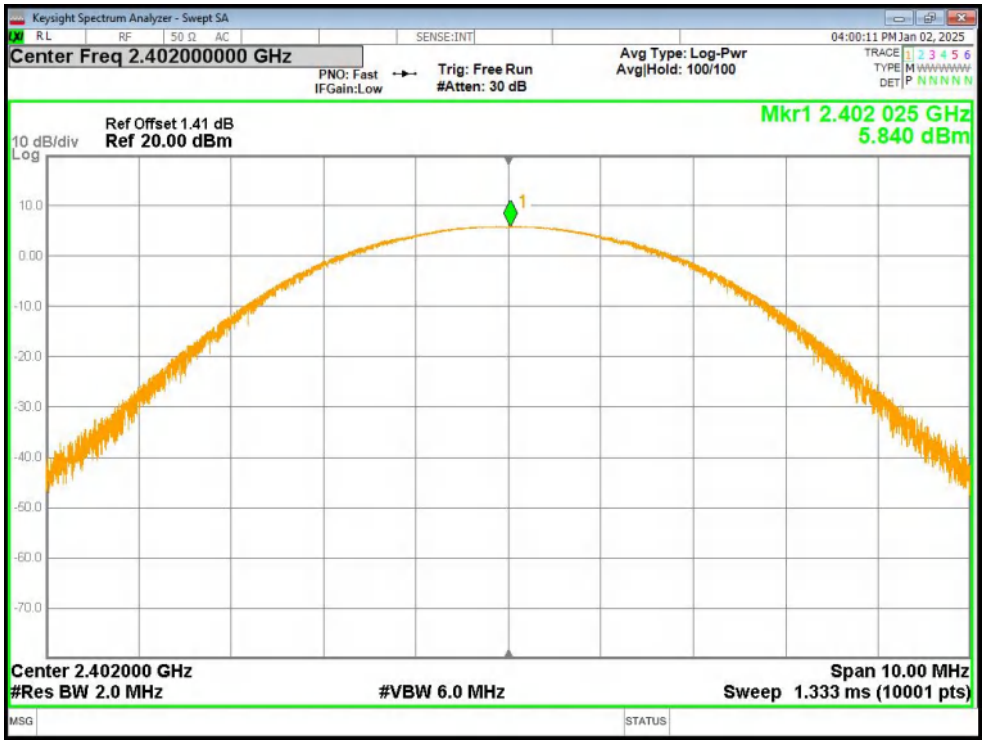
Peak Power NVNT 1-DH5 2441MHz Ant1



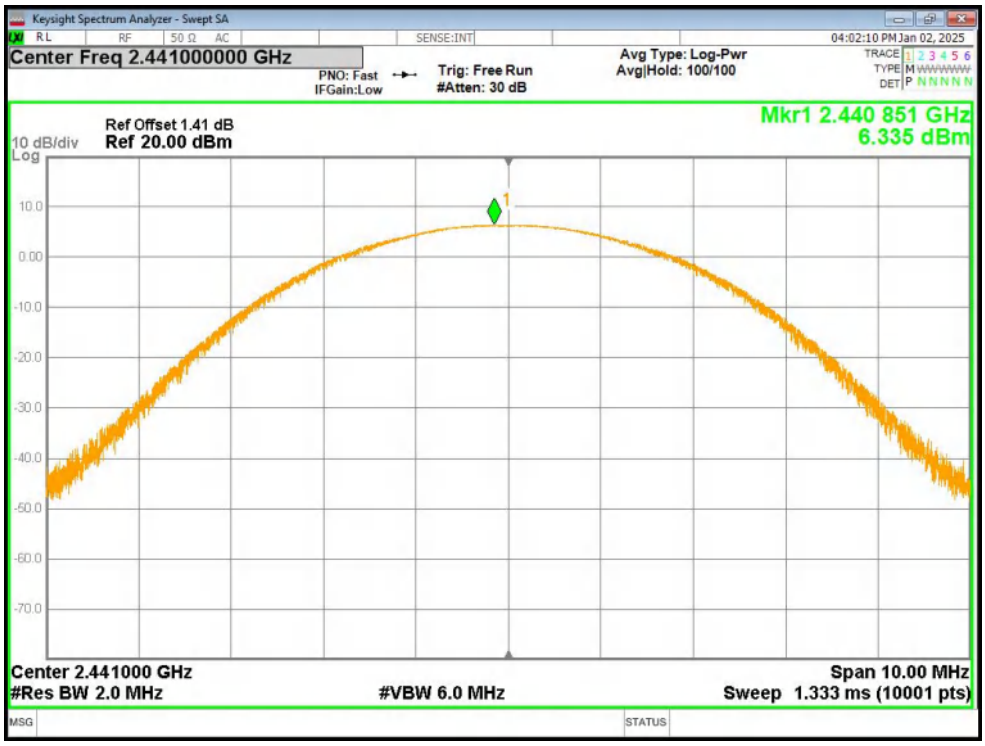
Peak Power NVNT 1-DH5 2480MHz Ant1



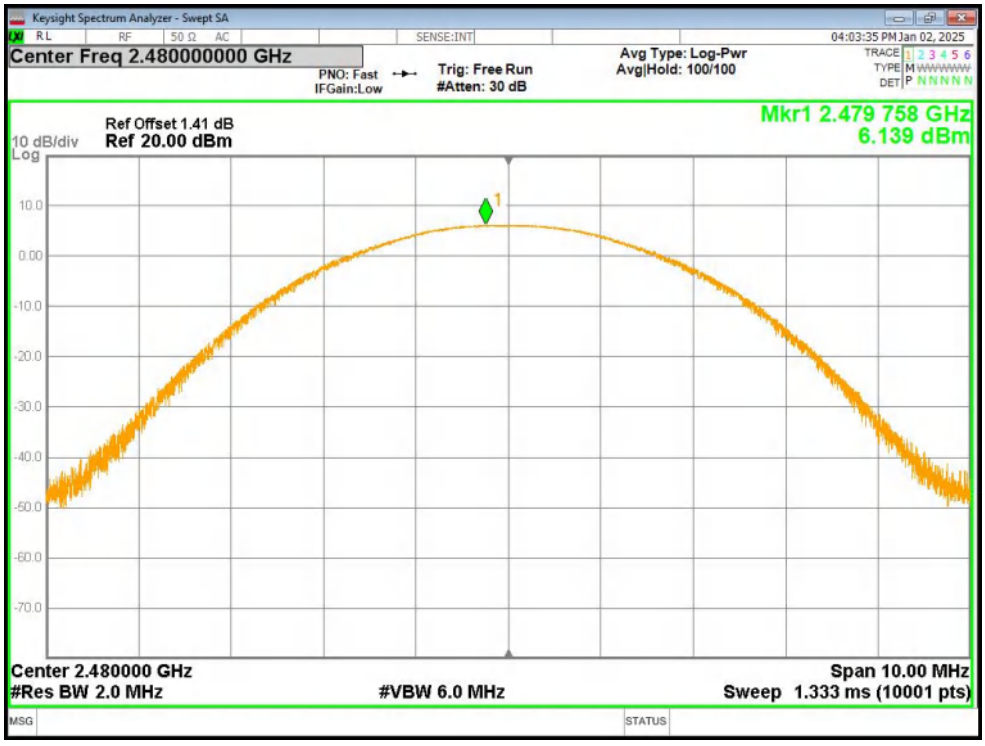
Peak Power NVNT 2-DH5 2402MHz Ant1



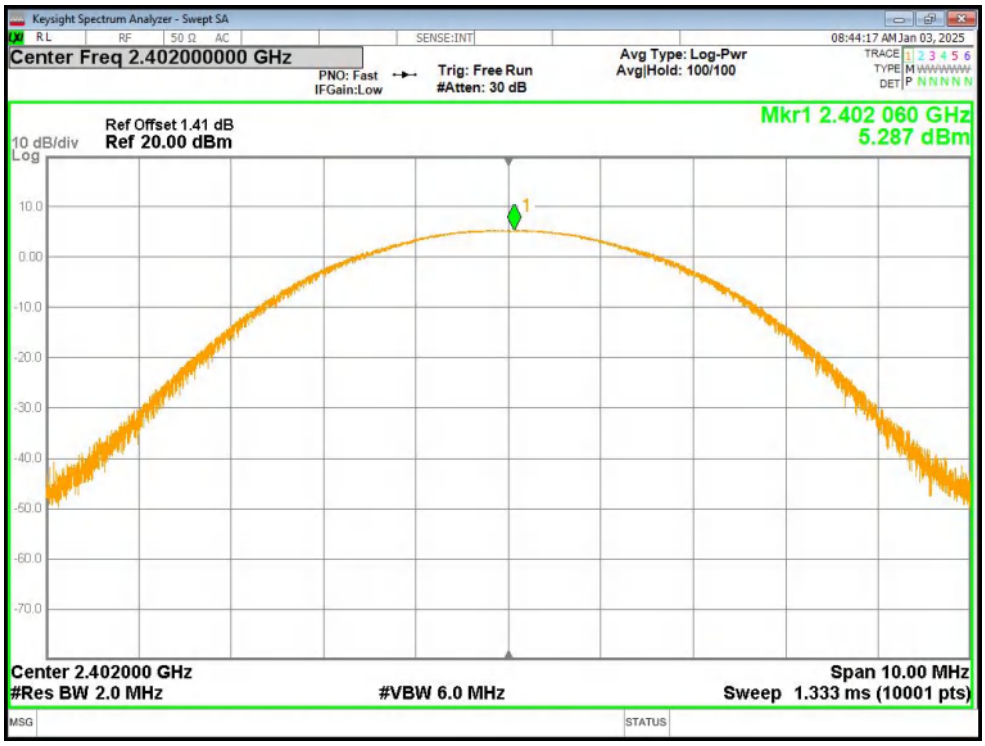
Peak Power NVNT 2-DH5 2441MHz Ant1



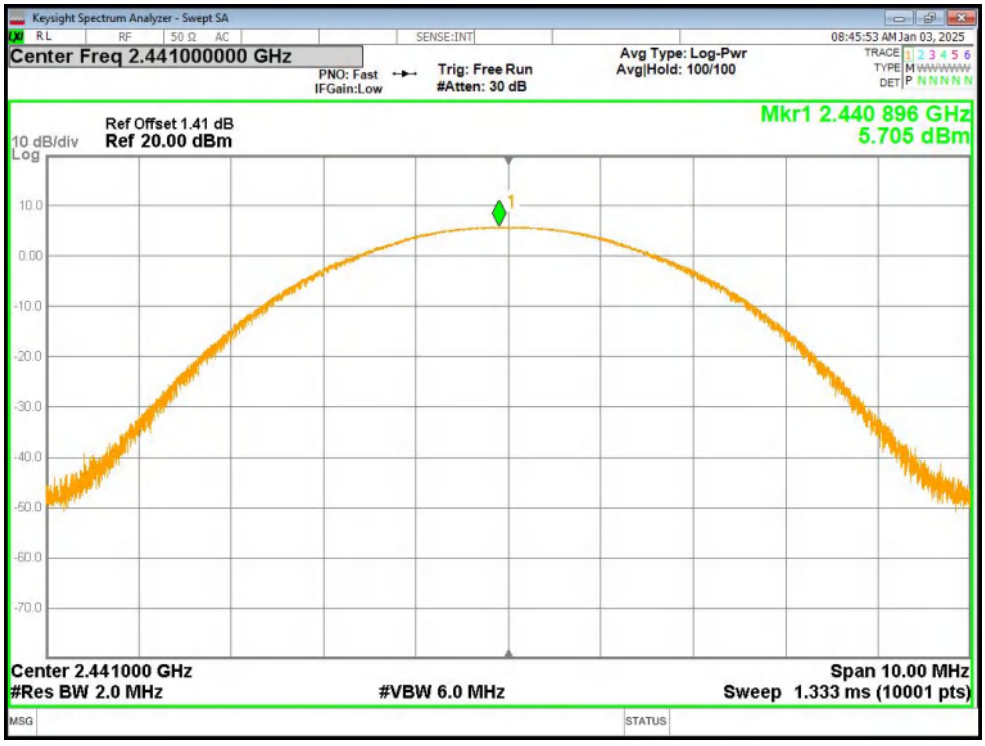
Peak Power NVNT 2-DH5 2480MHz Ant1



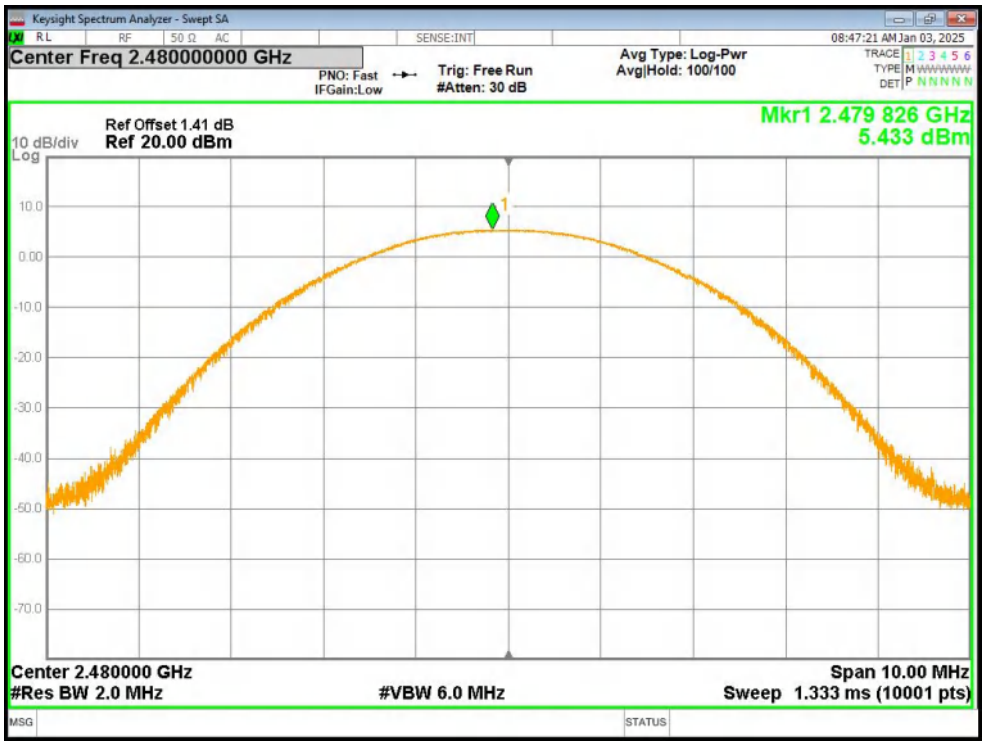
Peak Power NVNT 3-DH5 2402MHz Ant1



Peak Power NVNT 3-DH5 2441MHz Ant1



Peak Power NVNT 3-DH5 2480MHz Ant1

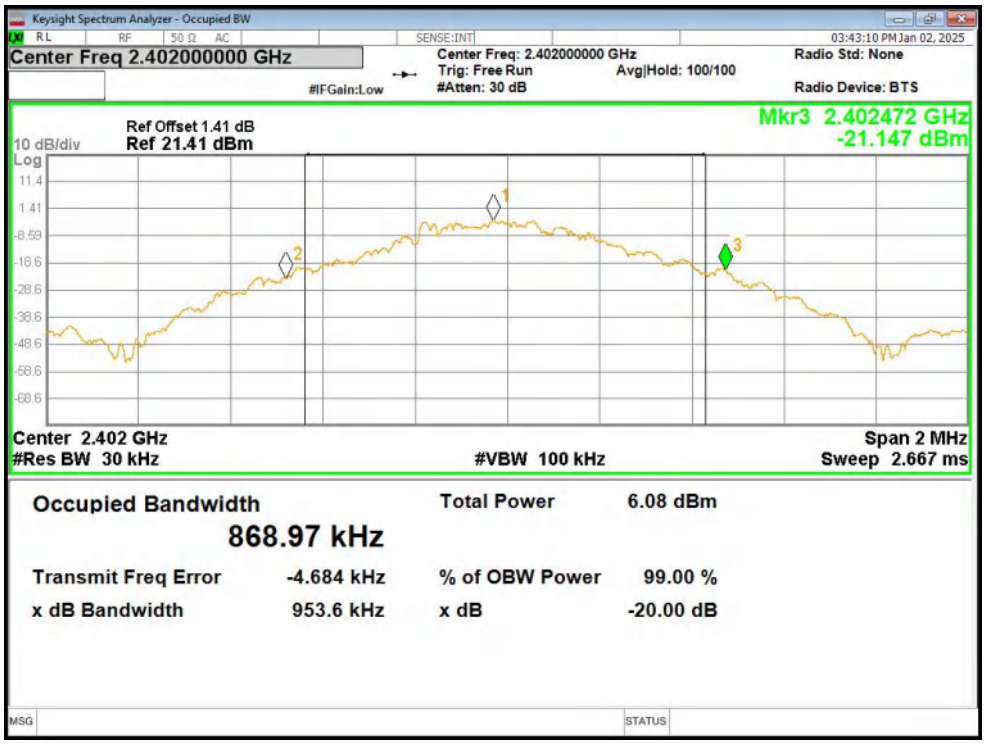


3.-20dB Bandwidth

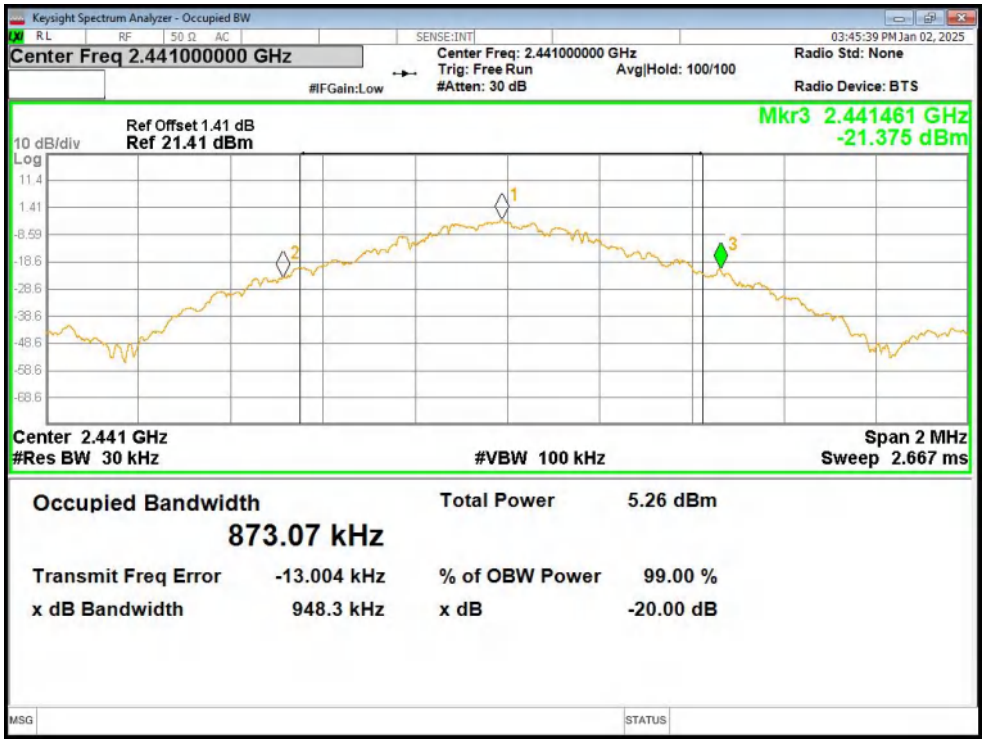
Mode	Frequency (MHz)	-20 dB Bandwidth (MHz)	Verdict
1-DH5	2402	0.954	Pass
1-DH5	2441	0.948	Pass
1-DH5	2480	0.952	Pass
2-DH5	2402	1.336	Pass
2-DH5	2441	1.338	Pass
2-DH5	2480	1.344	Pass
3-DH5	2402	1.341	Pass
3-DH5	2441	1.338	Pass
3-DH5	2480	1.274	Pass

Test Graphs

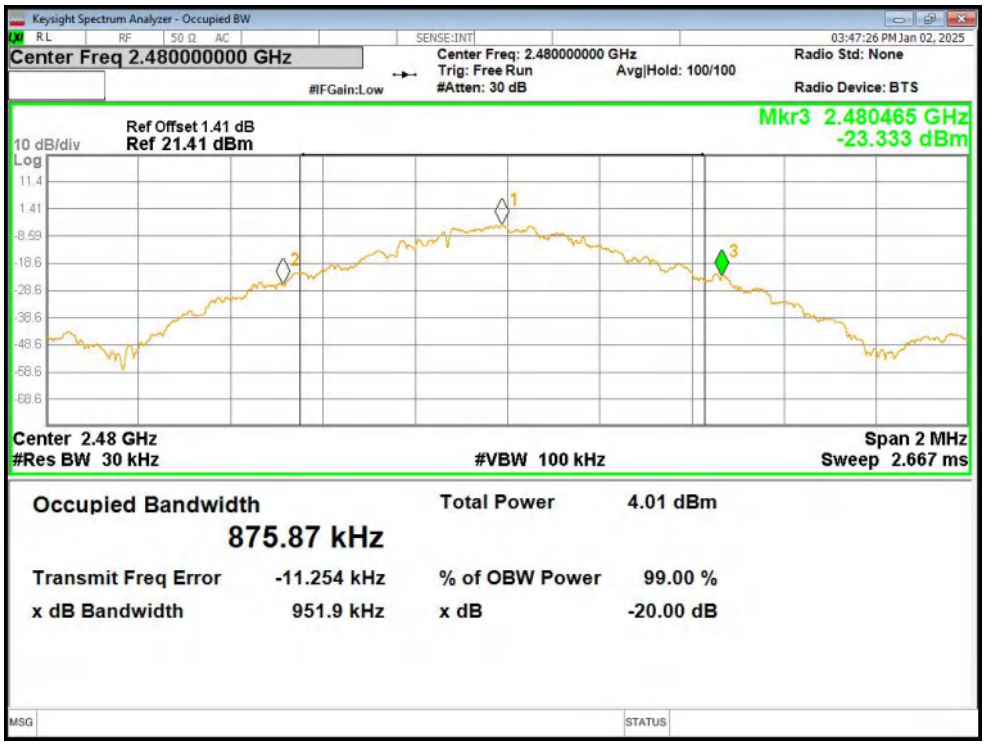
-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



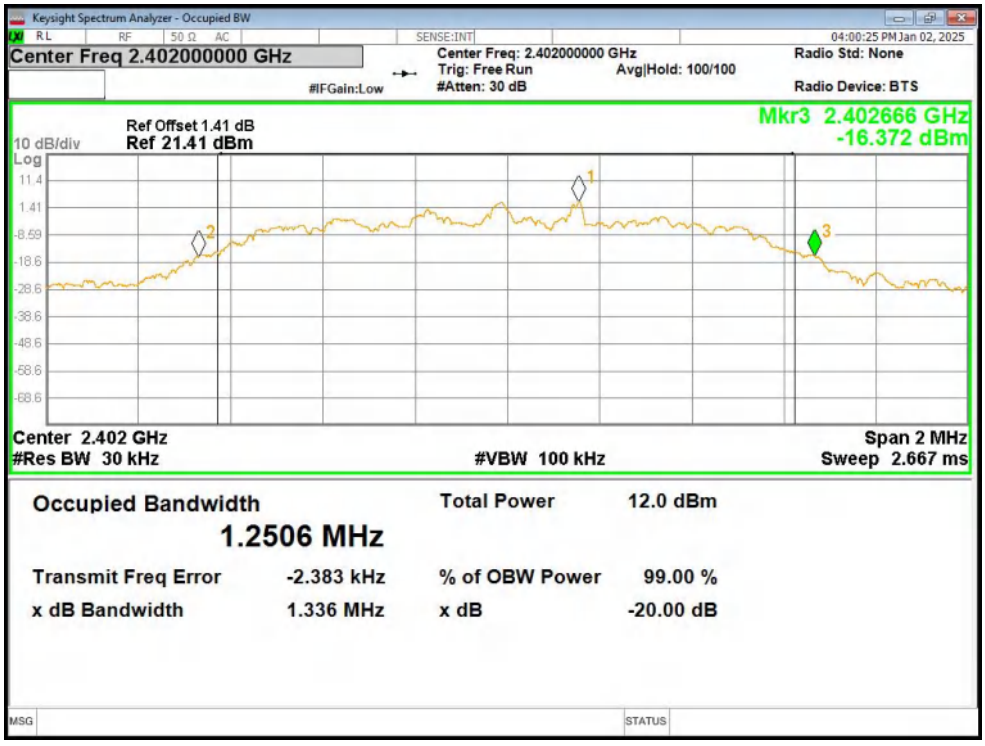
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



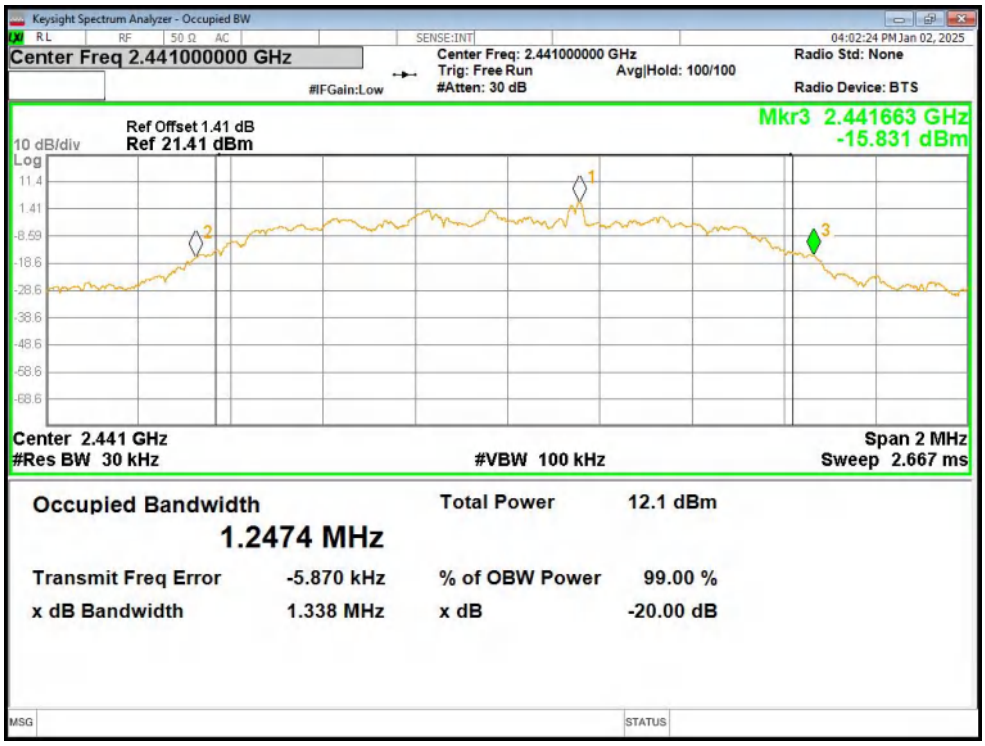
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



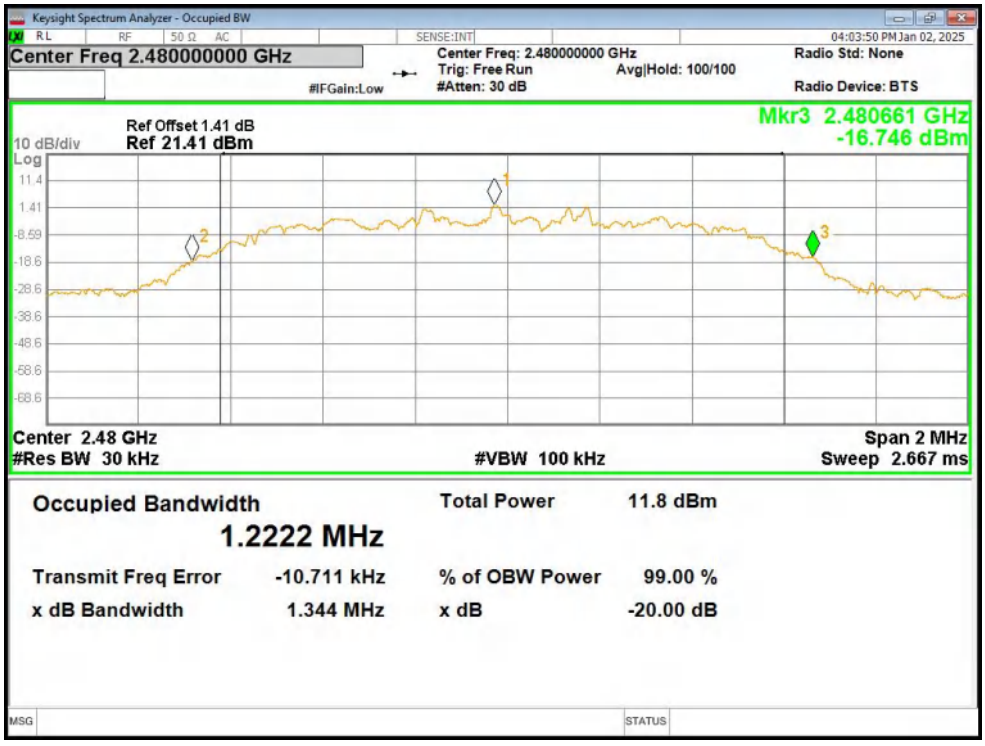
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



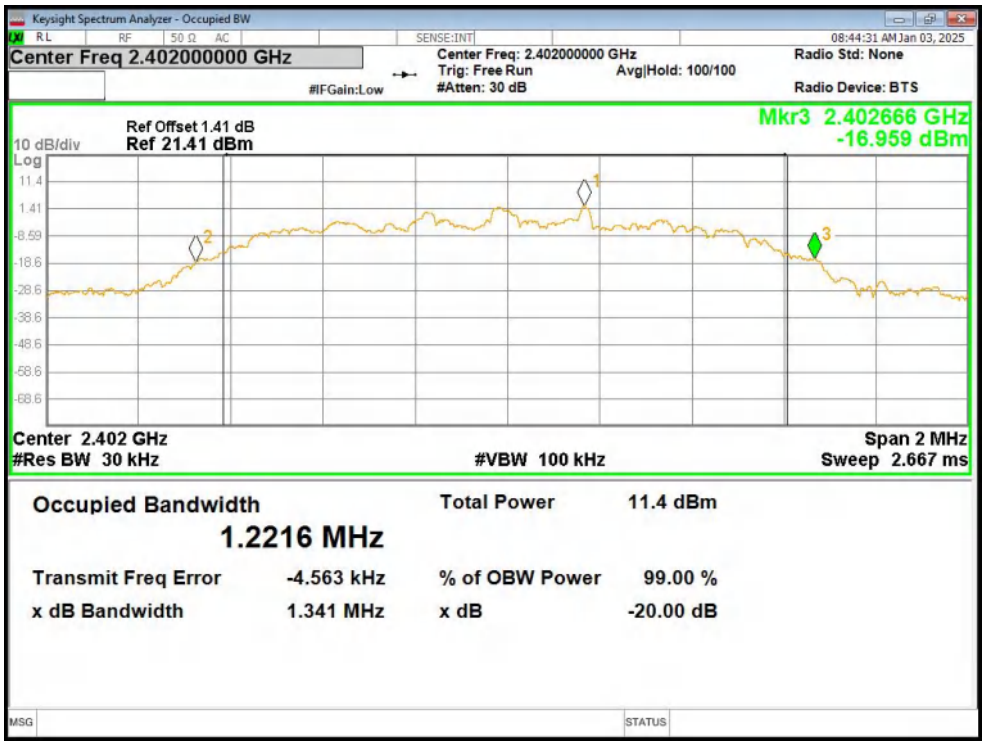
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



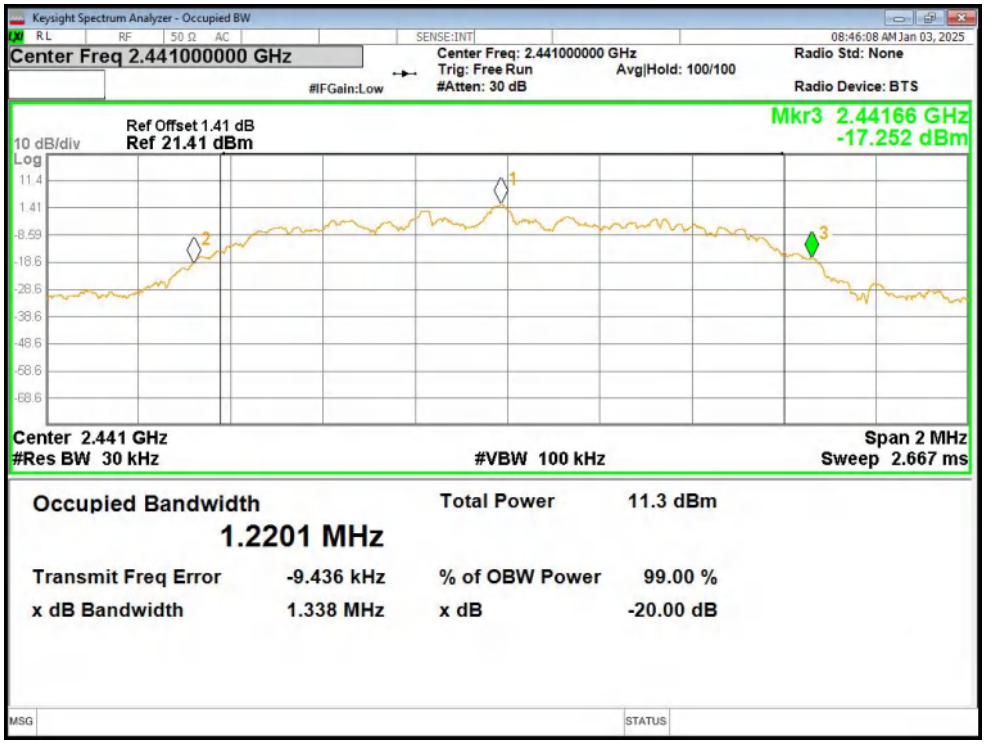
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



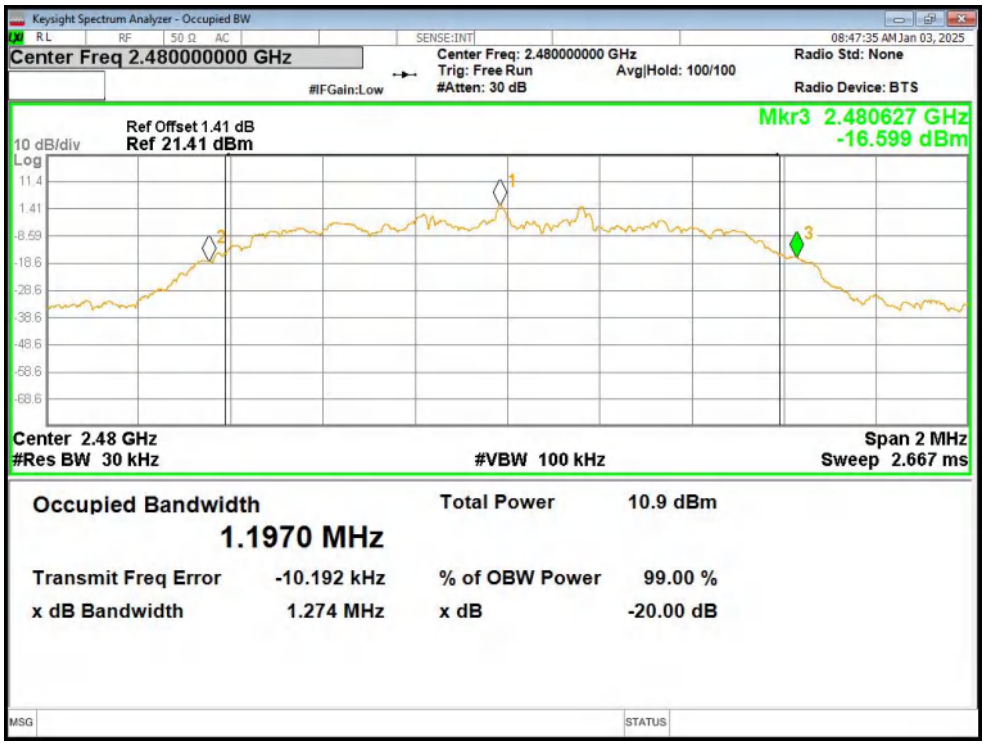
-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1

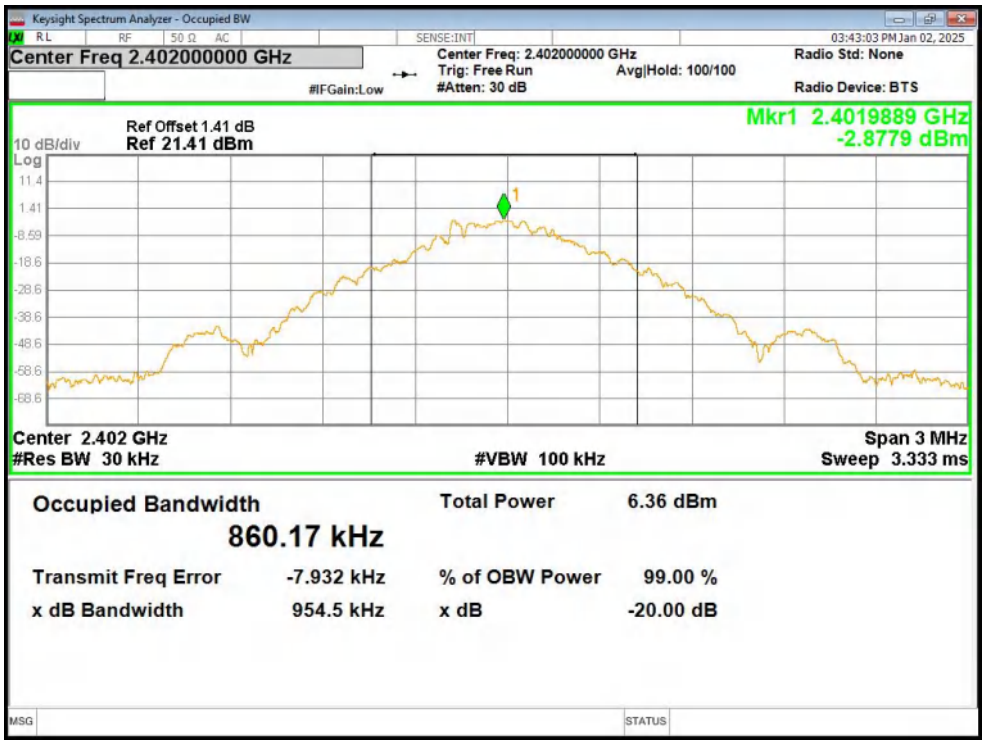


4.Occupied Channel Bandwidth

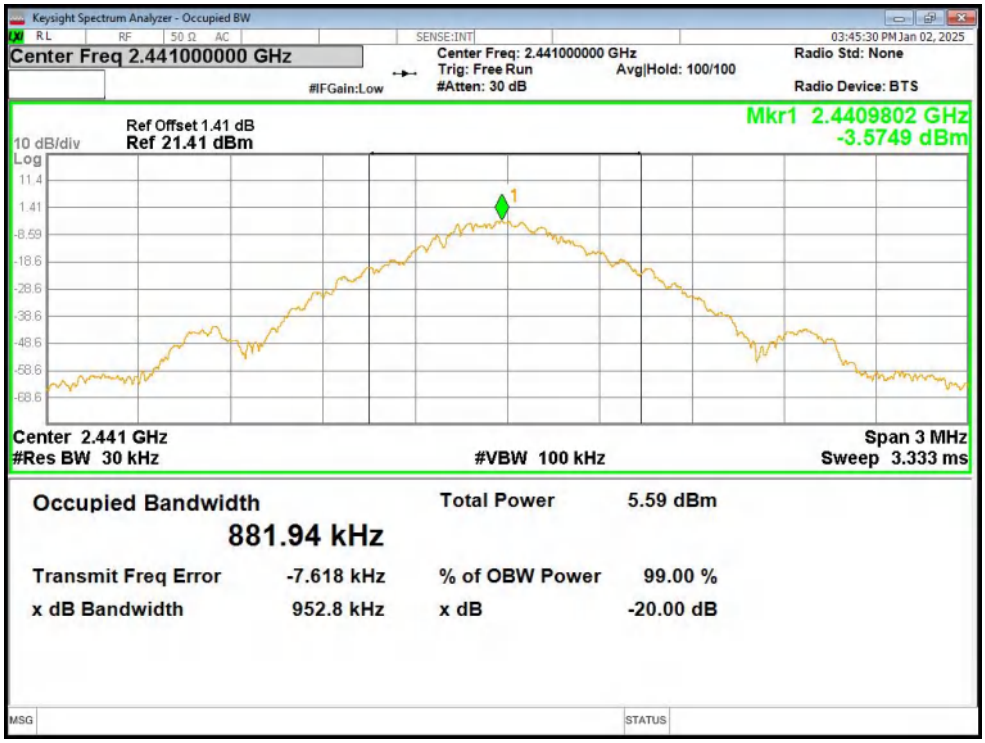
Mode	Frequency (MHz)	99% OBW (MHz)
1-DH5	2402	0.86
1-DH5	2441	0.882
1-DH5	2480	0.864
2-DH5	2402	1.338
2-DH5	2441	1.291
2-DH5	2480	1.256
3-DH5	2402	1.284
3-DH5	2441	1.247
3-DH5	2480	1.212

Test Graphs

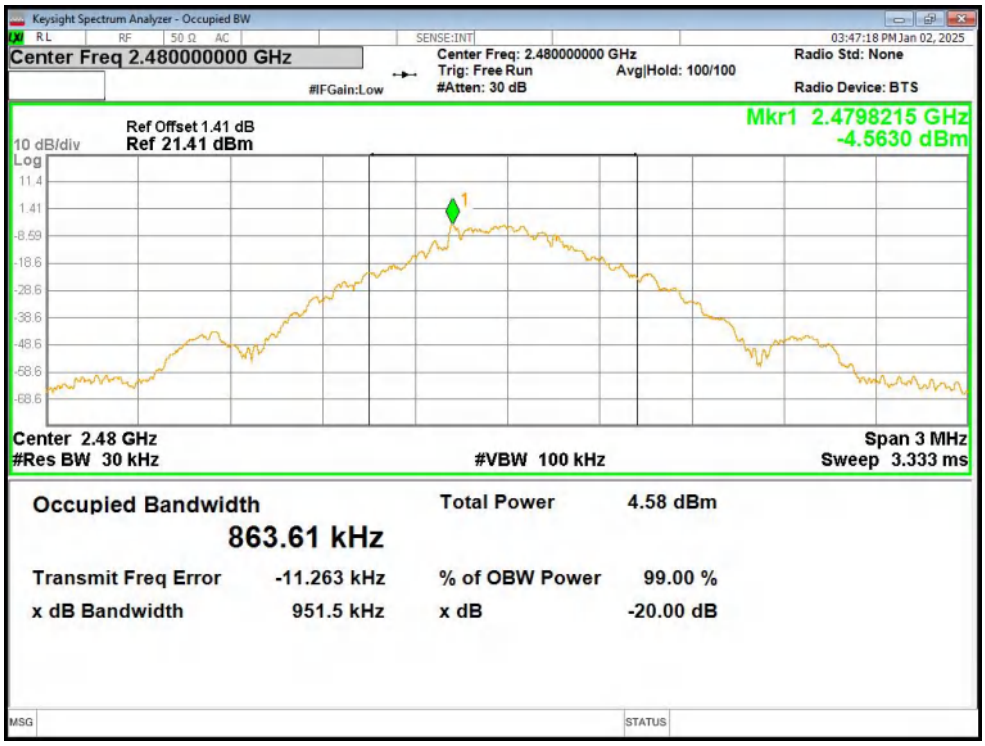
OBW NVNT 1-DH5 2402MHz Ant1



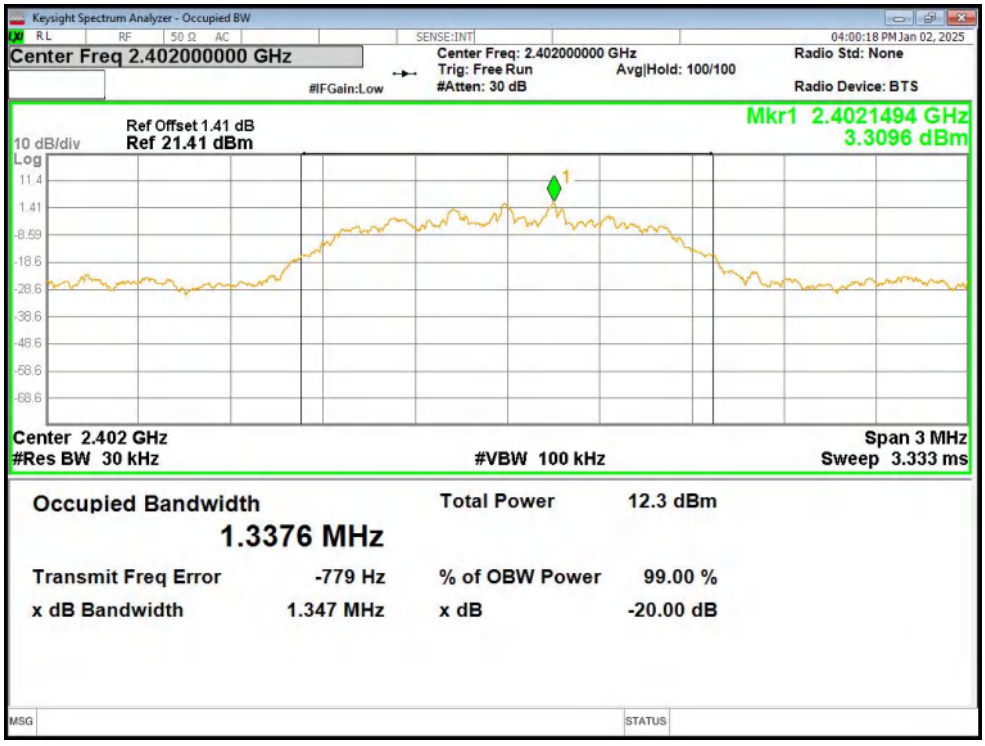
OBW NVNT 1-DH5 2441MHz Ant1



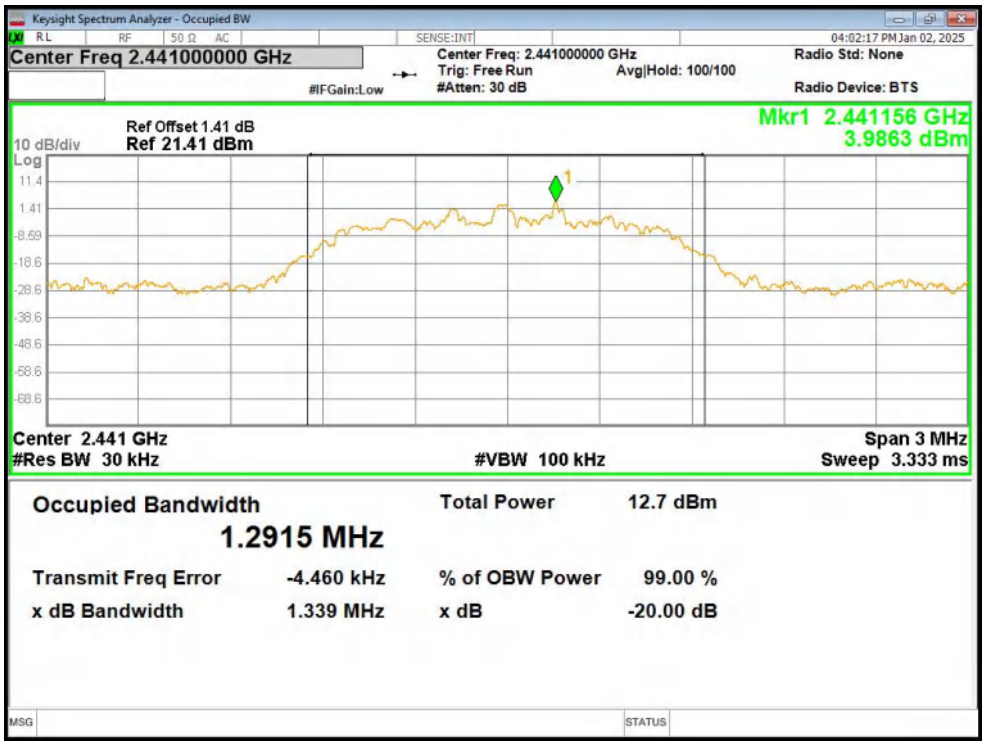
OBW NVNT 1-DH5 2480MHz Ant1



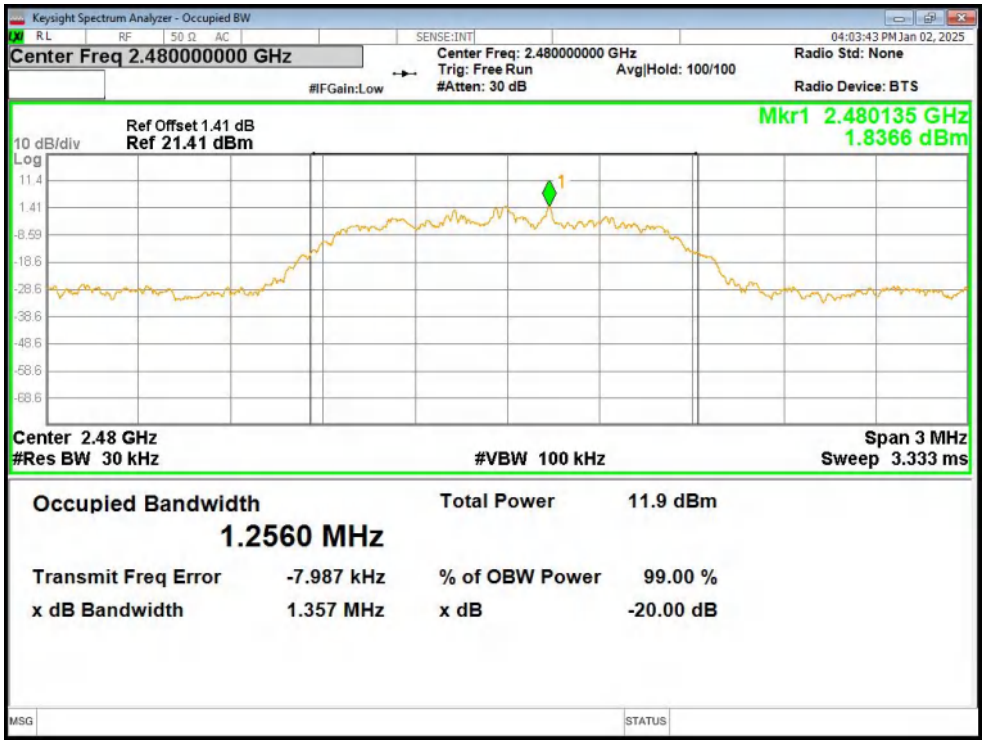
OBW NVNT 2-DH5 2402MHz Ant1



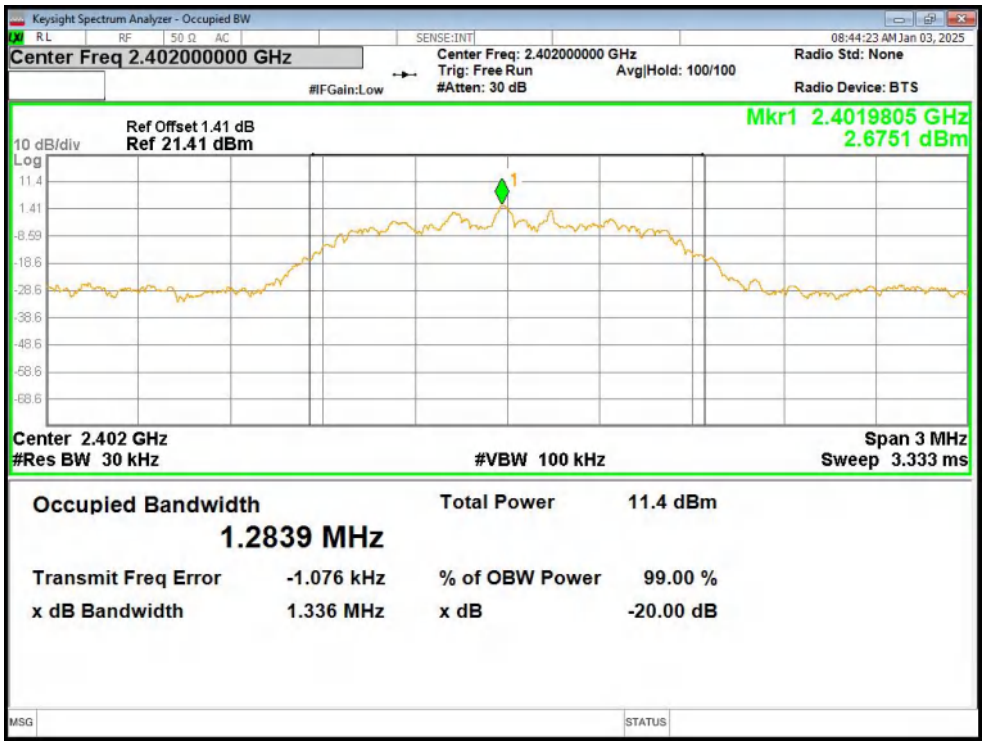
OBW NVNT 2-DH5 2441MHz Ant1



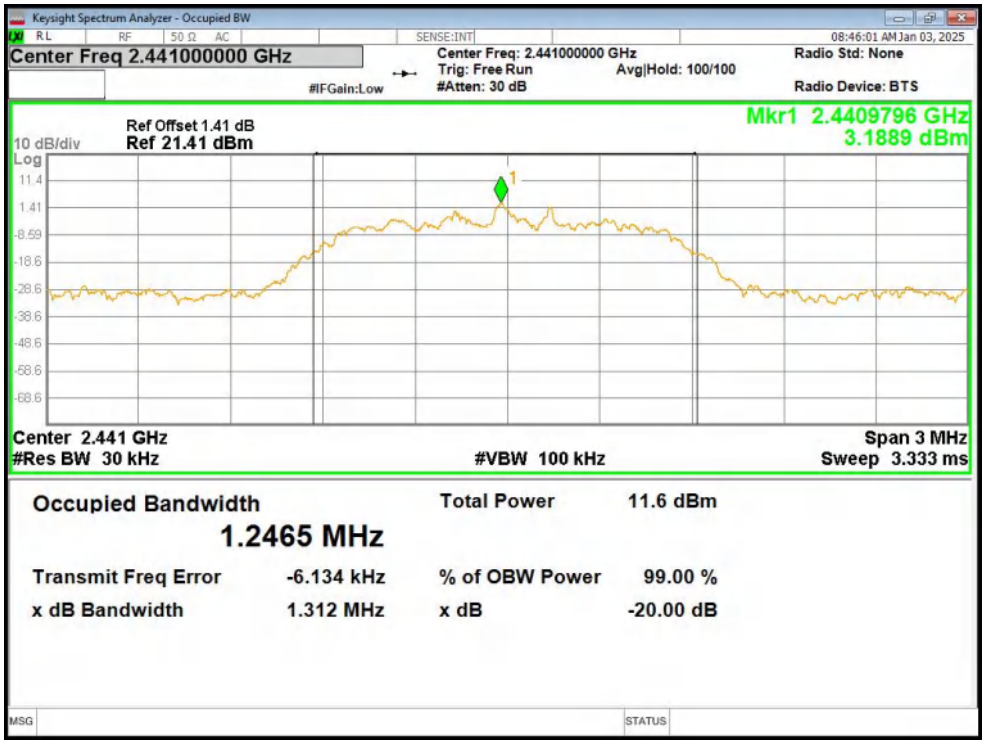
OBW NVNT 2-DH5 2480MHz Ant1



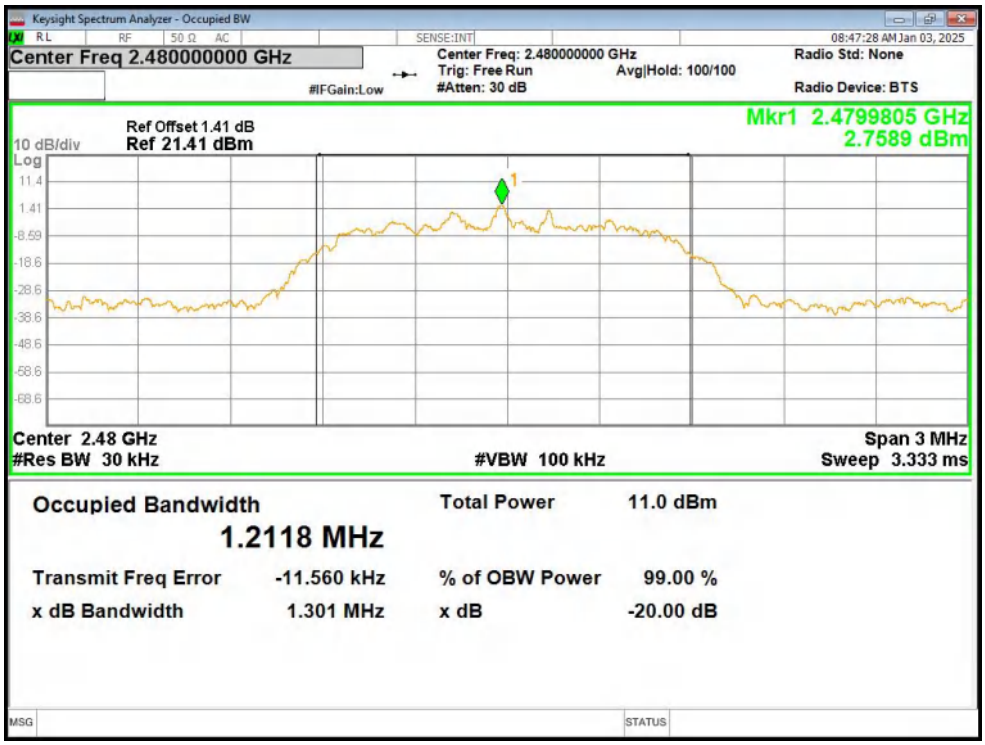
OBW NVNT 3-DH5 2402MHz Ant1



OBW NVNT 3-DH5 2441MHz Ant1



OBW NVNT 3-DH5 2480MHz Ant1

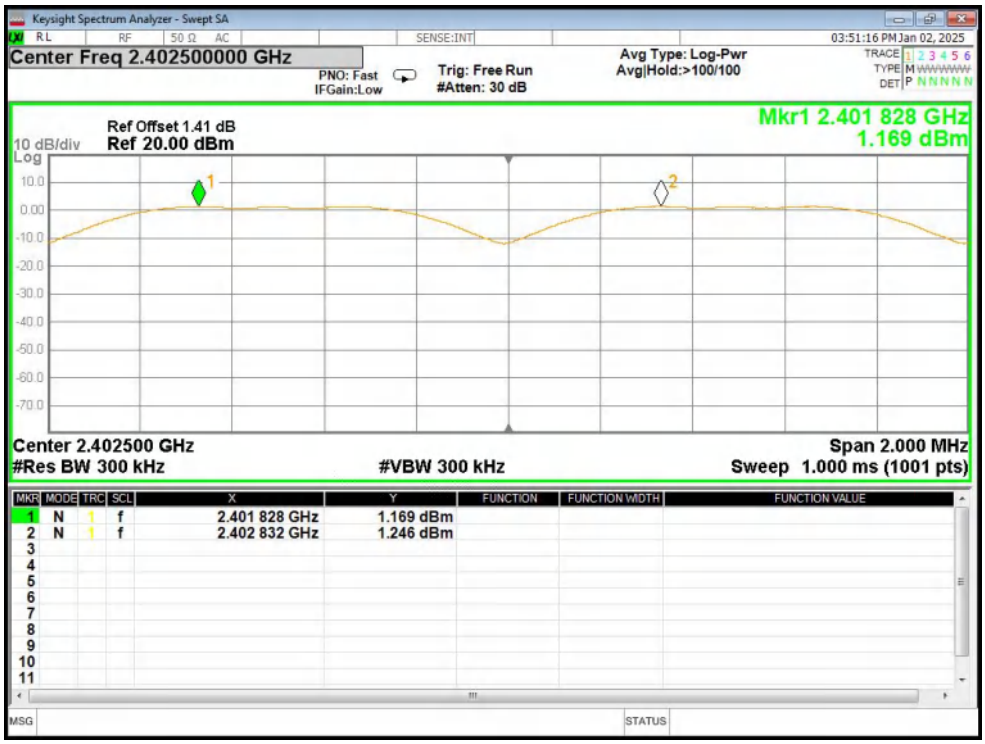


5.Carrier Frequencies Separation

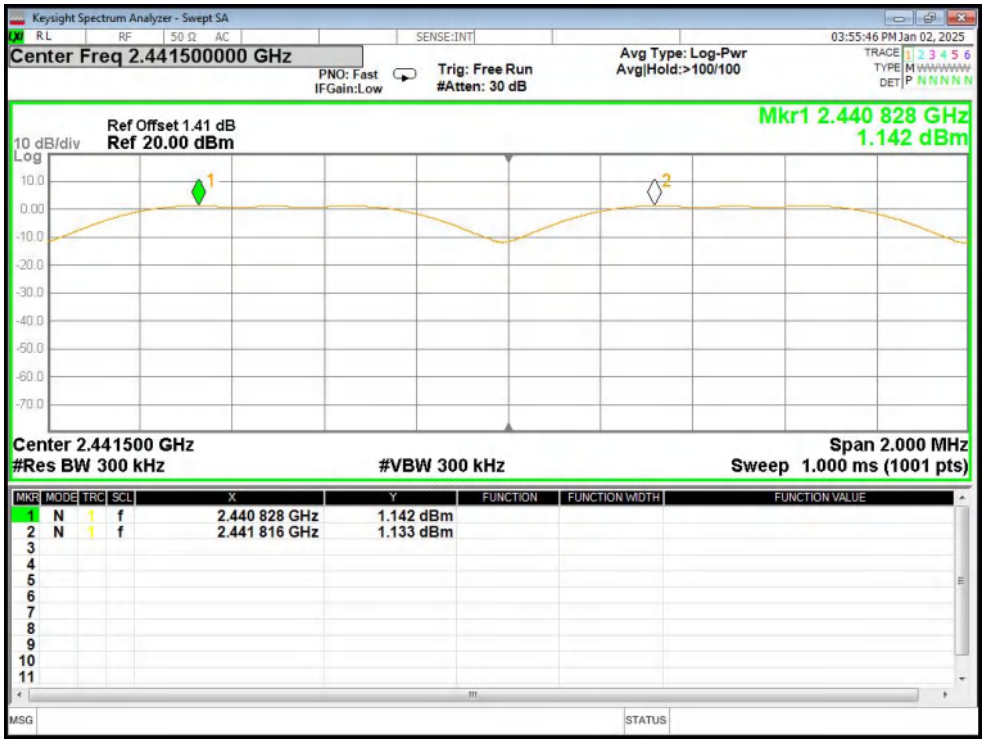
Mode	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
1-DH5	2401.828	2402.832	1.004	0.954	Pass
1-DH5	2440.828	2441.816	0.988	0.948	Pass
1-DH5	2478.818	2479.822	1.004	0.952	Pass
2-DH5	2401.814	2403.142	1.328	0.891	Pass
2-DH5	2441.116	2442.134	1.018	0.892	Pass
2-DH5	2478.79	2480.128	1.338	0.896	Pass
3-DH5	2401.804	2402.848	1.044	0.025	Pass
3-DH5	2441.118	2442.126	1.008	0.025	Pass
3-DH5	2478.798	2480.132	1.334	0.025	Pass

Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



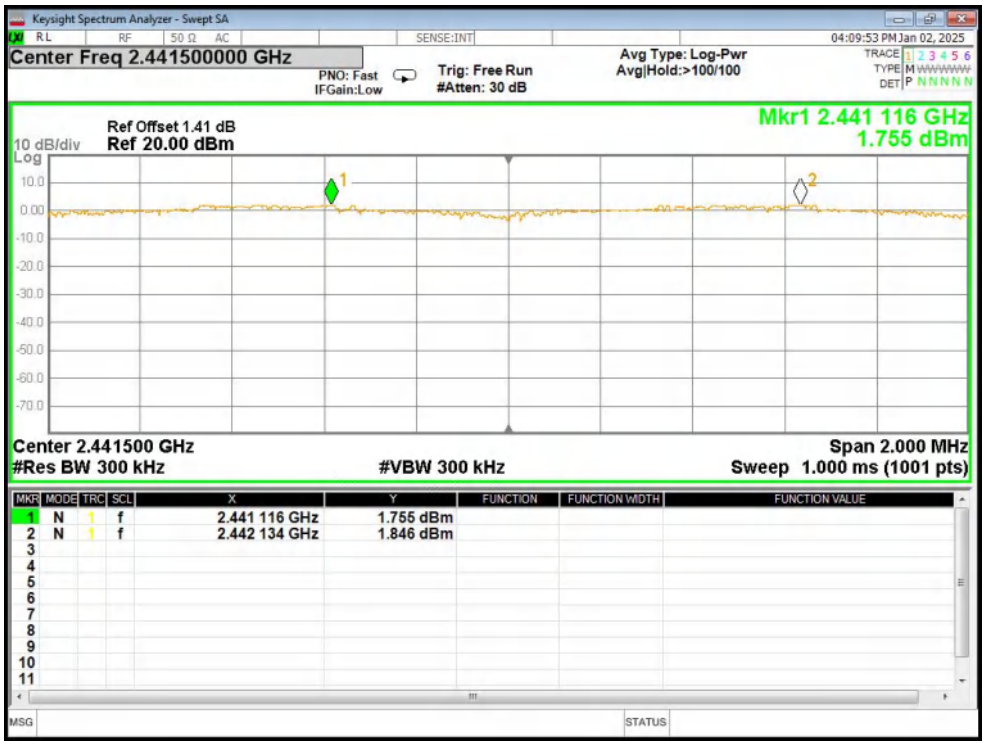
CFS NVNT 1-DH5 2441MHz Ant1



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

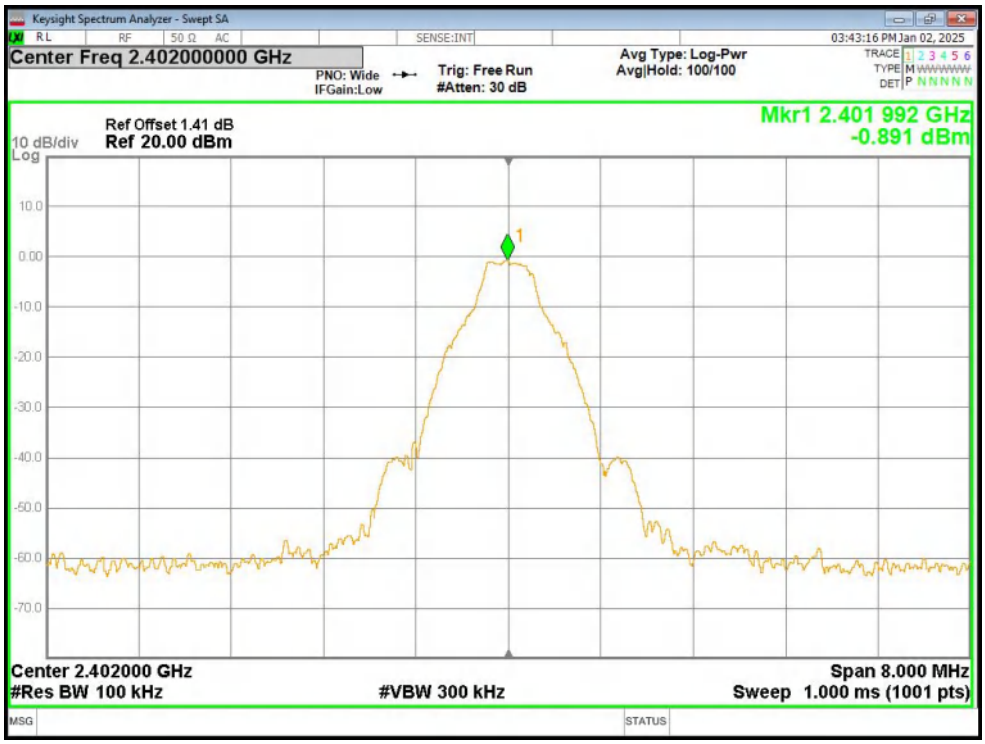
Hopping No. NVNT 3-DH5 Ant1

7.Band Edge

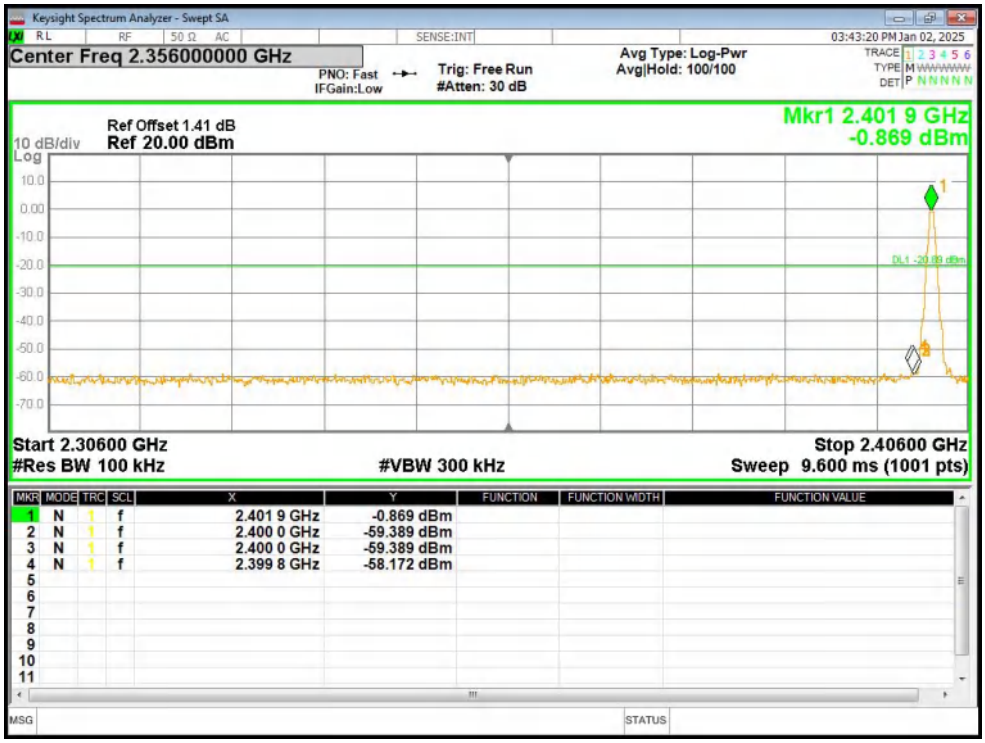
Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
1-DH5	2402	No-Hopping	-57.28	-20	Pass
1-DH5	2480	No-Hopping	-54.22	-20	Pass
2-DH5	2402	No-Hopping	-40.17	-20	Pass
2-DH5	2480	No-Hopping	-62.84	-20	Pass
3-DH5	2402	No-Hopping	-45.7	-20	Pass
3-DH5	2480	No-Hopping	-61.12	-20	Pass

Test Graphs

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



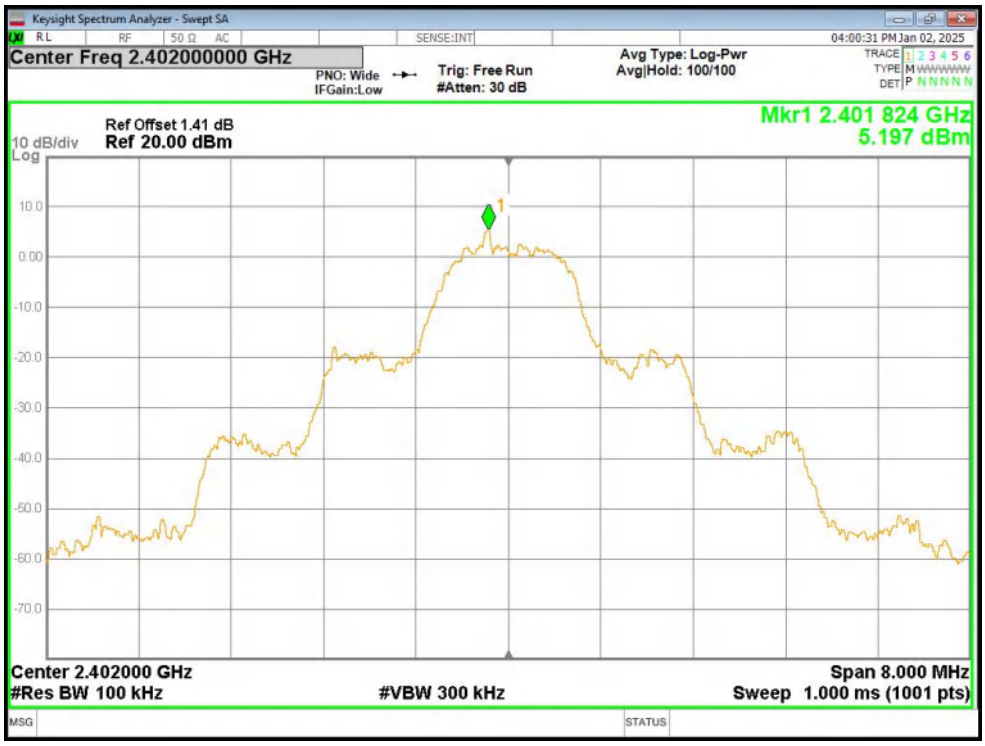
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



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

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

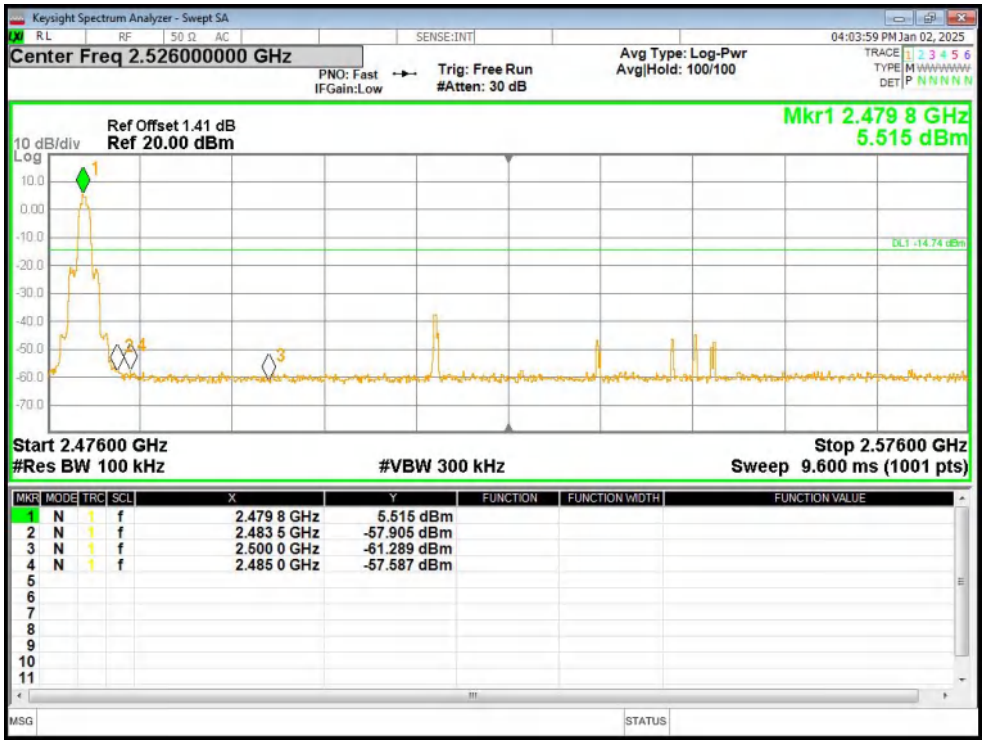
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



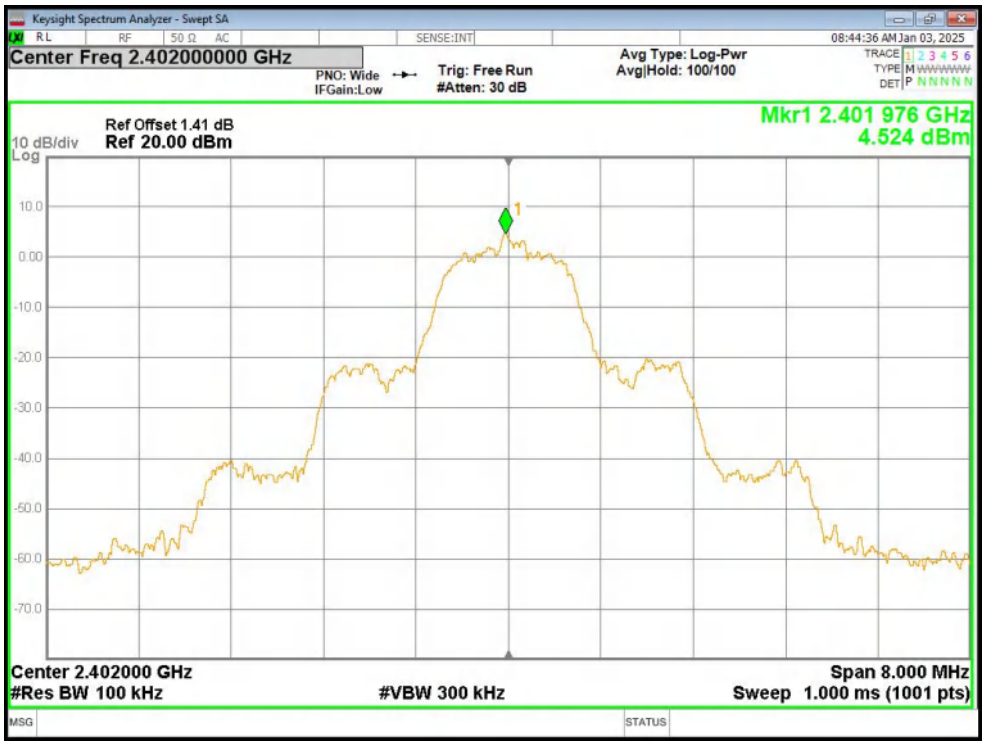
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

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

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

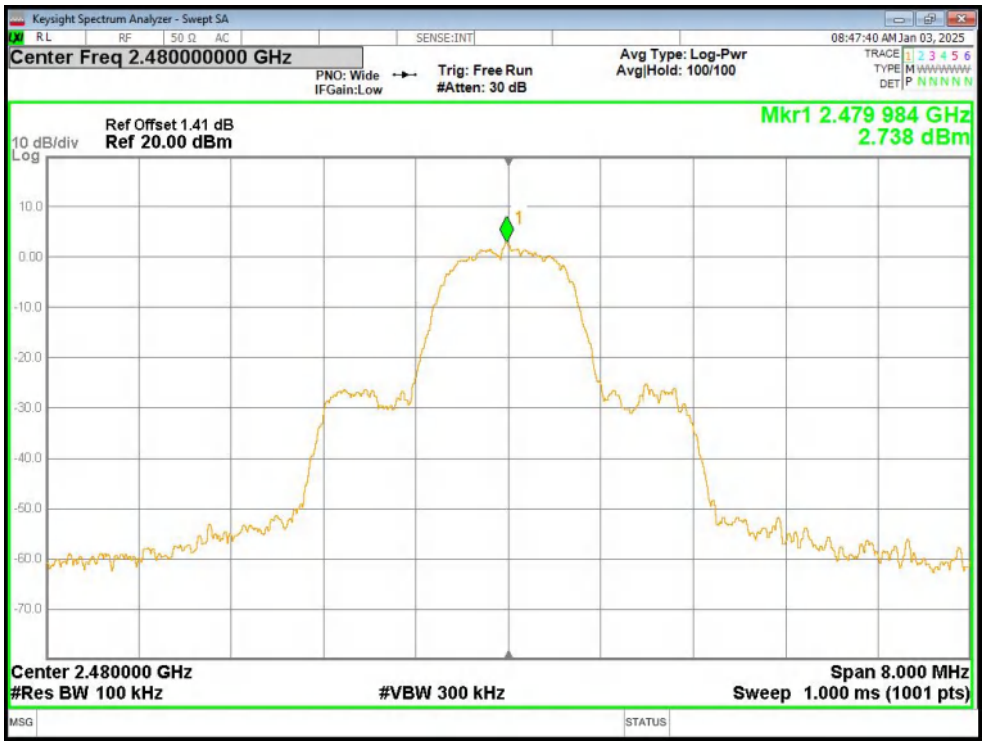


Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



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)

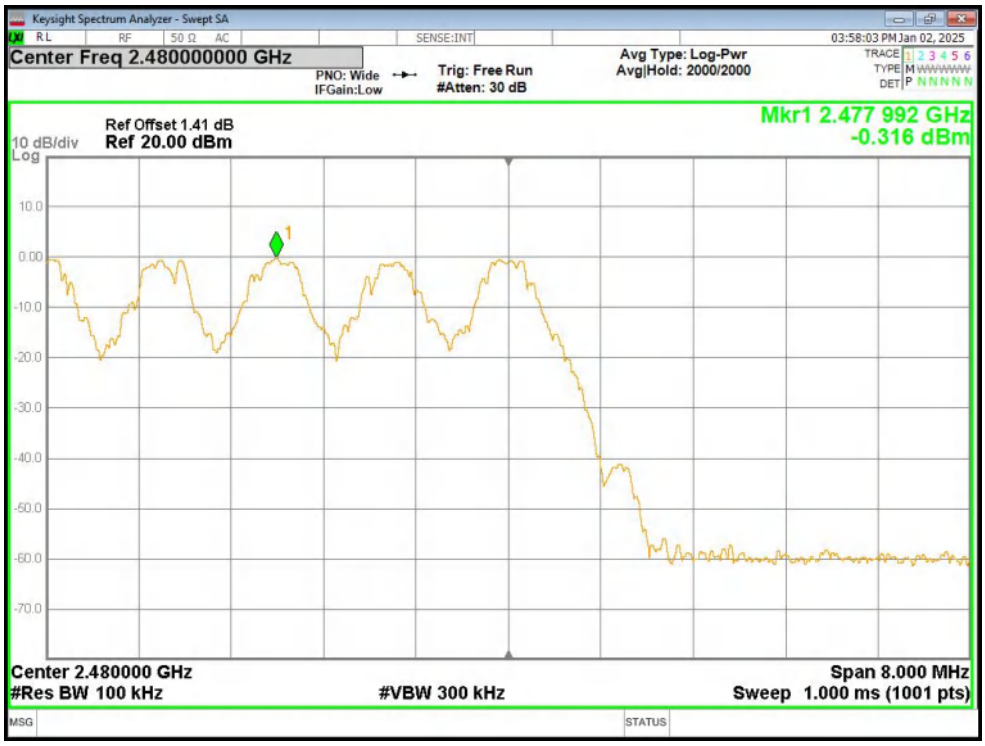
Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
1-DH5	2402	Hopping	-58.33	-20	Pass
1-DH5	2480	Hopping	-56.77	-20	Pass
2-DH5	2402	Hopping	-57.1	-20	Pass
2-DH5	2480	Hopping	-57.36	-20	Pass
3-DH5	2402	Hopping	-57.17	-20	Pass
3-DH5	2480	Hopping	-57.38	-20	Pass

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

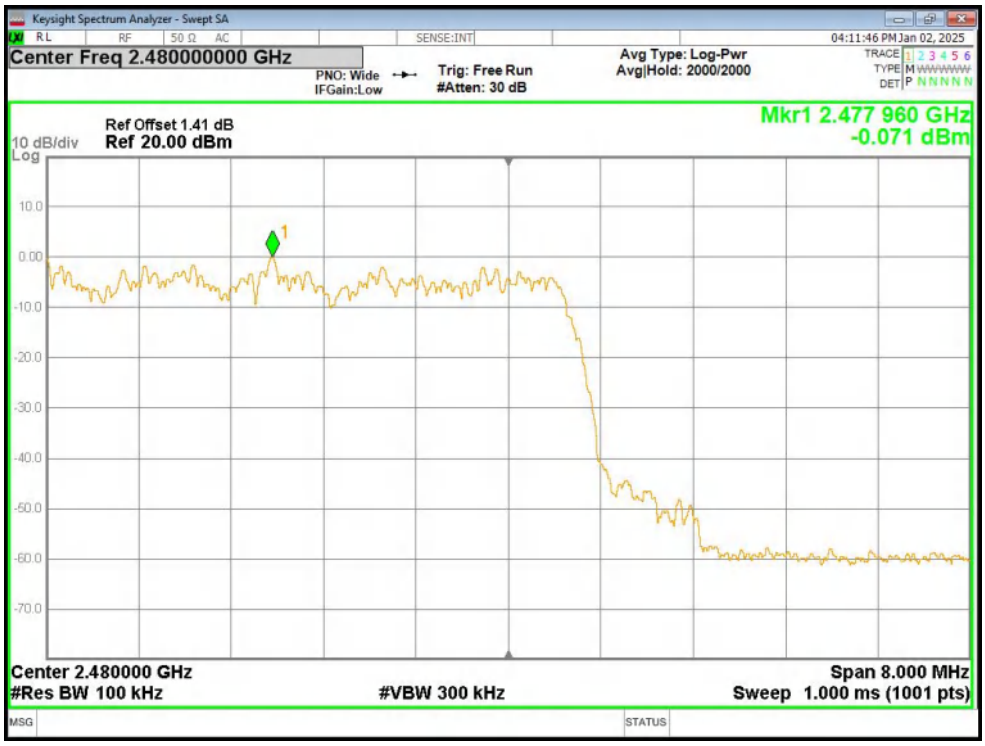


Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission

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

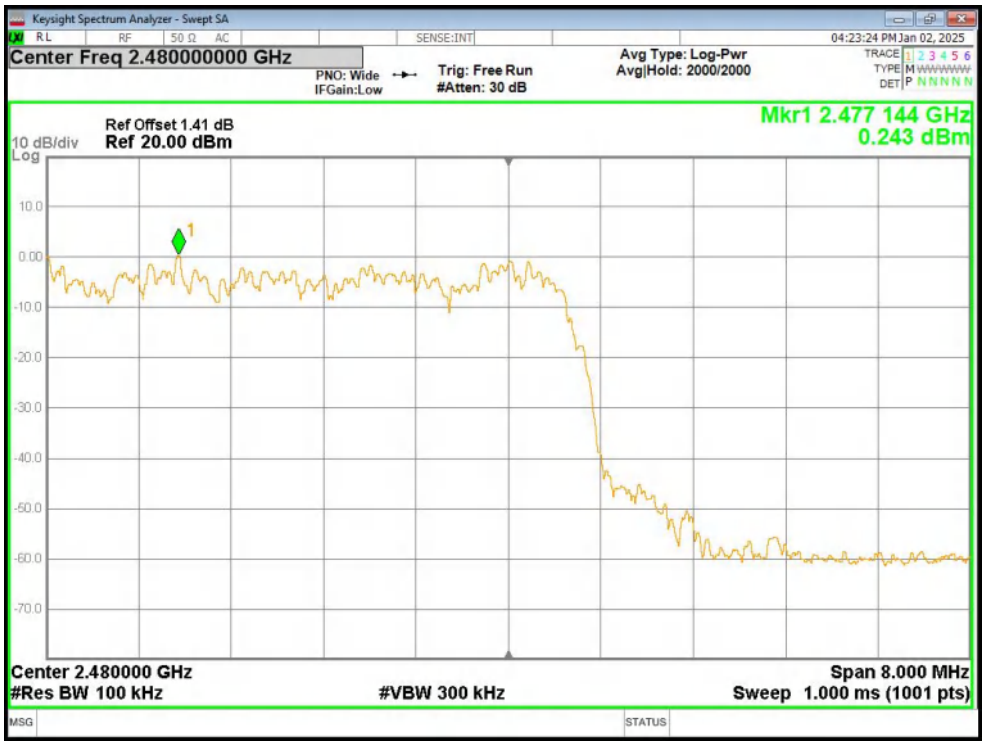


Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission

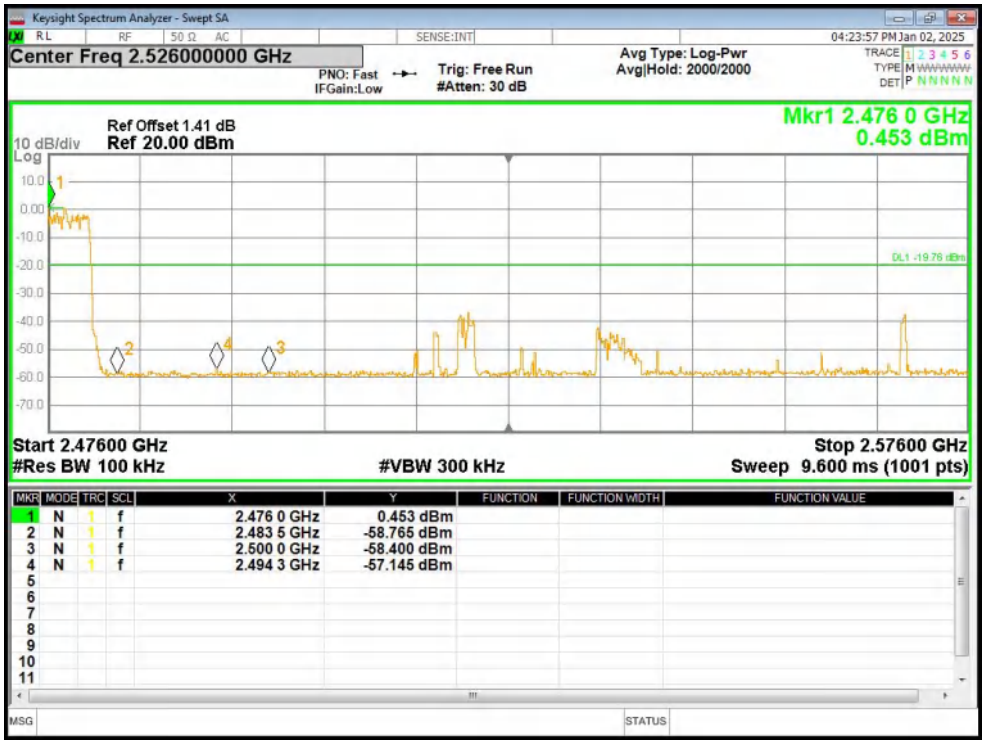
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref

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

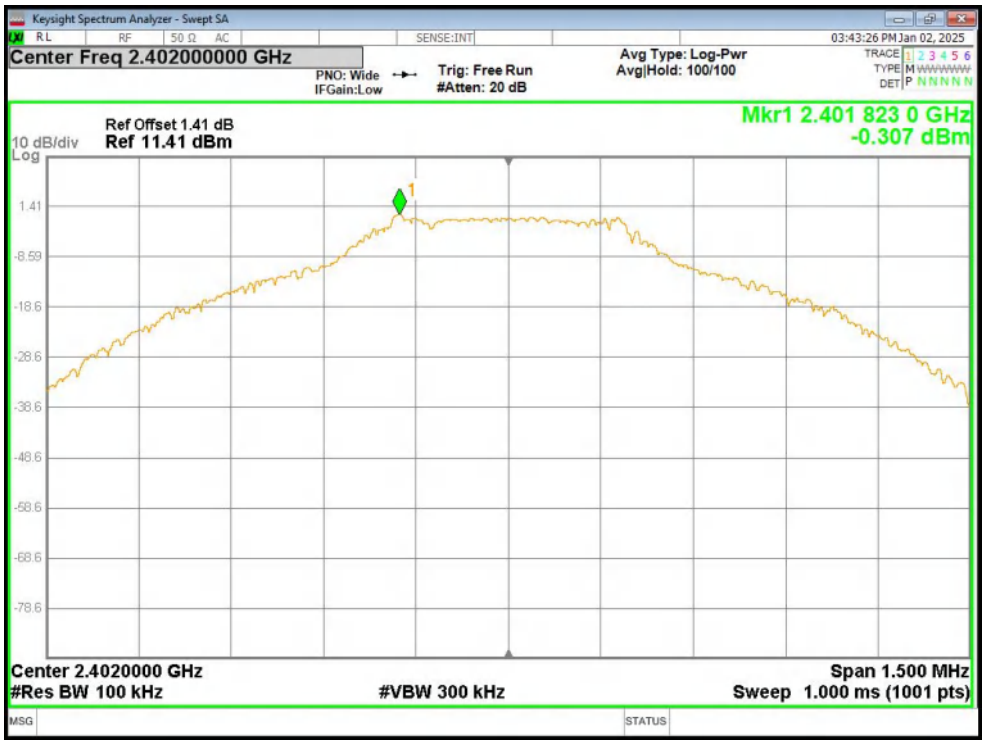


9.Conducted RF Spurious Emission

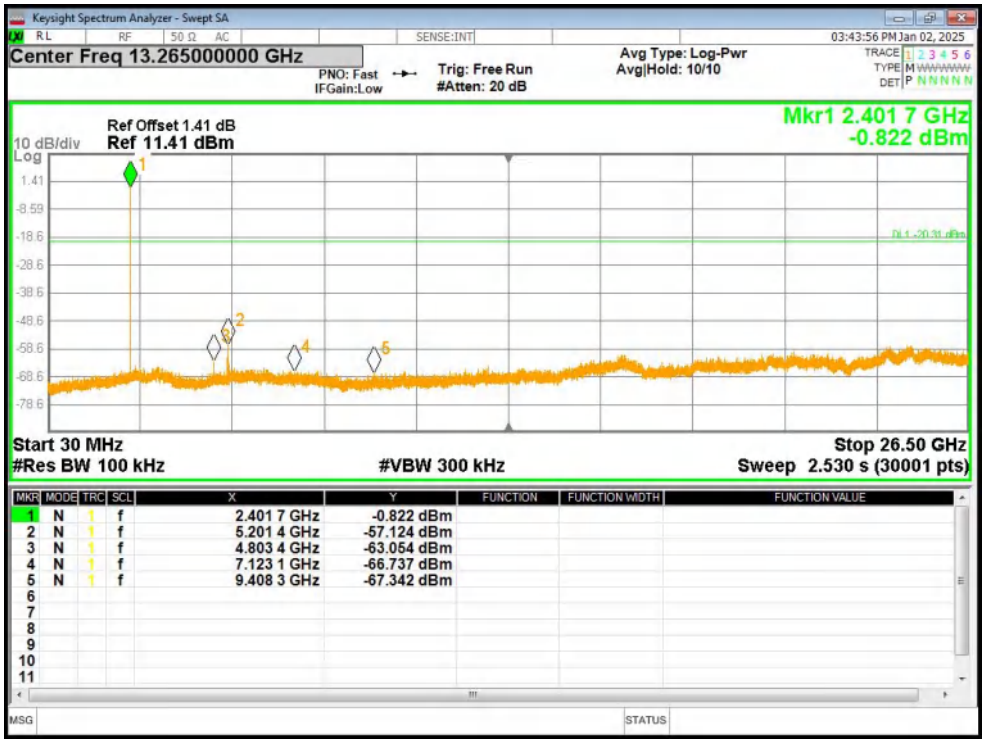
Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
1-DH5	2402	-56.81	-20	Pass
1-DH5	2441	-56.54	-20	Pass
1-DH5	2480	-54.38	-20	Pass
2-DH5	2402	-62.95	-20	Pass
2-DH5	2441	-61.18	-20	Pass
2-DH5	2480	-59.39	-20	Pass
3-DH5	2402	-52.74	-20	Pass
3-DH5	2441	-61.33	-20	Pass
3-DH5	2480	-57.46	-20	Pass

Test Graphs

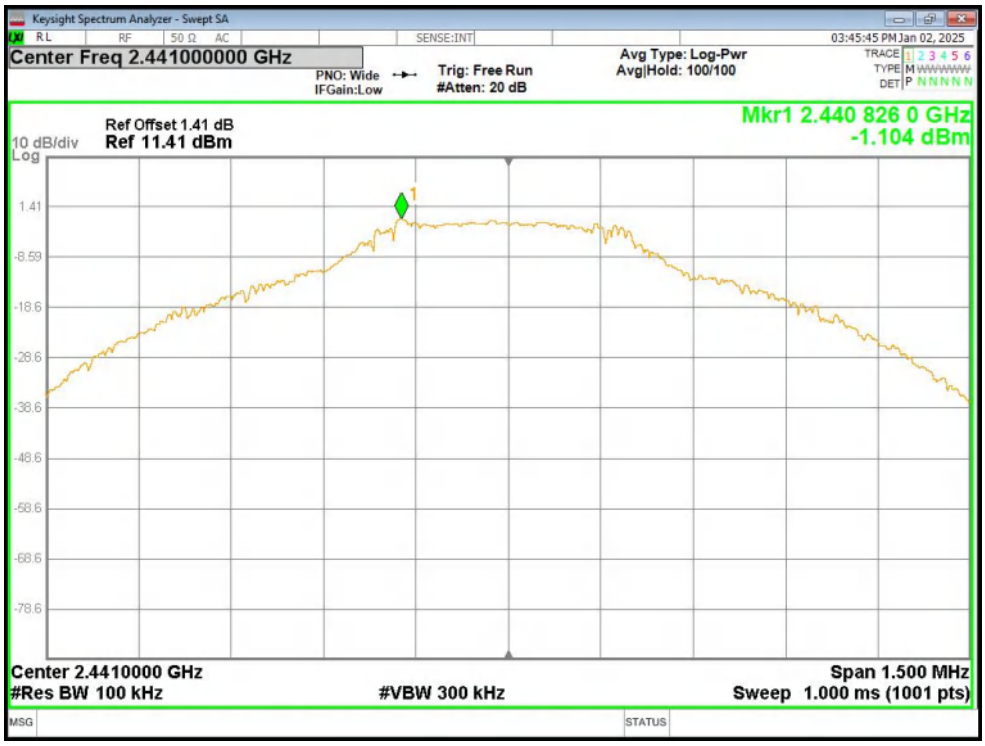
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



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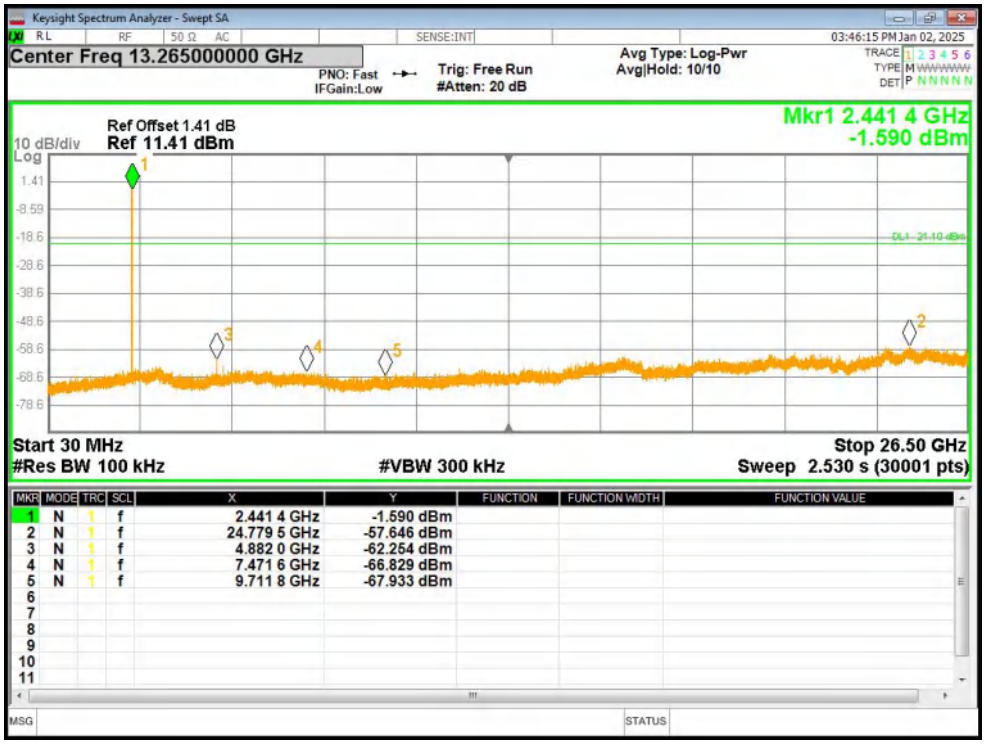
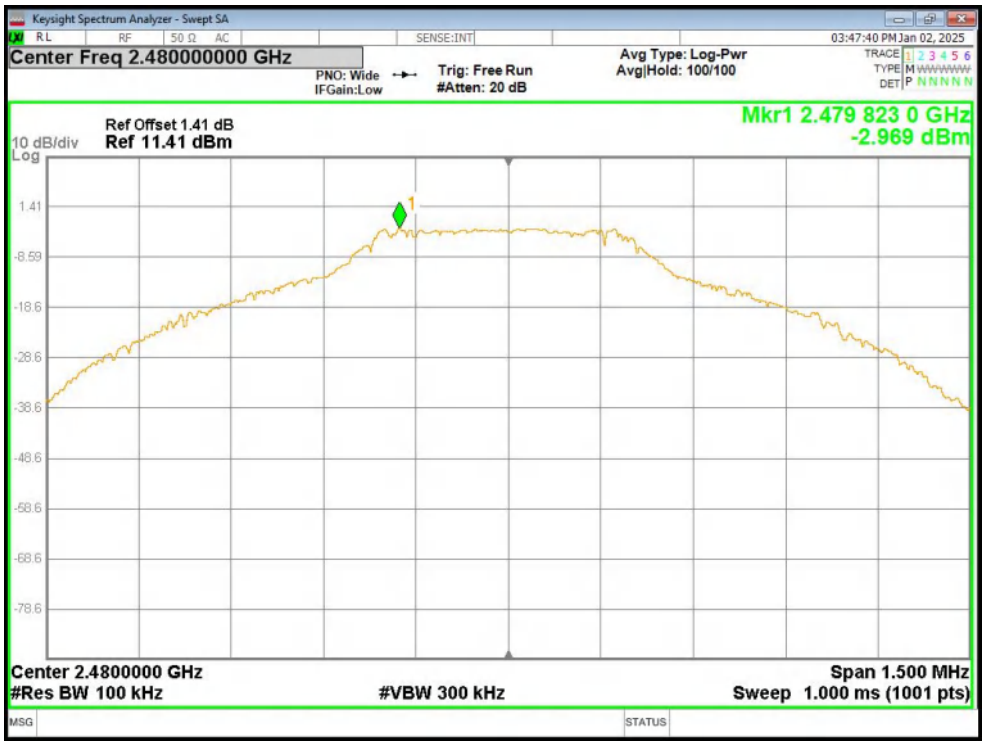
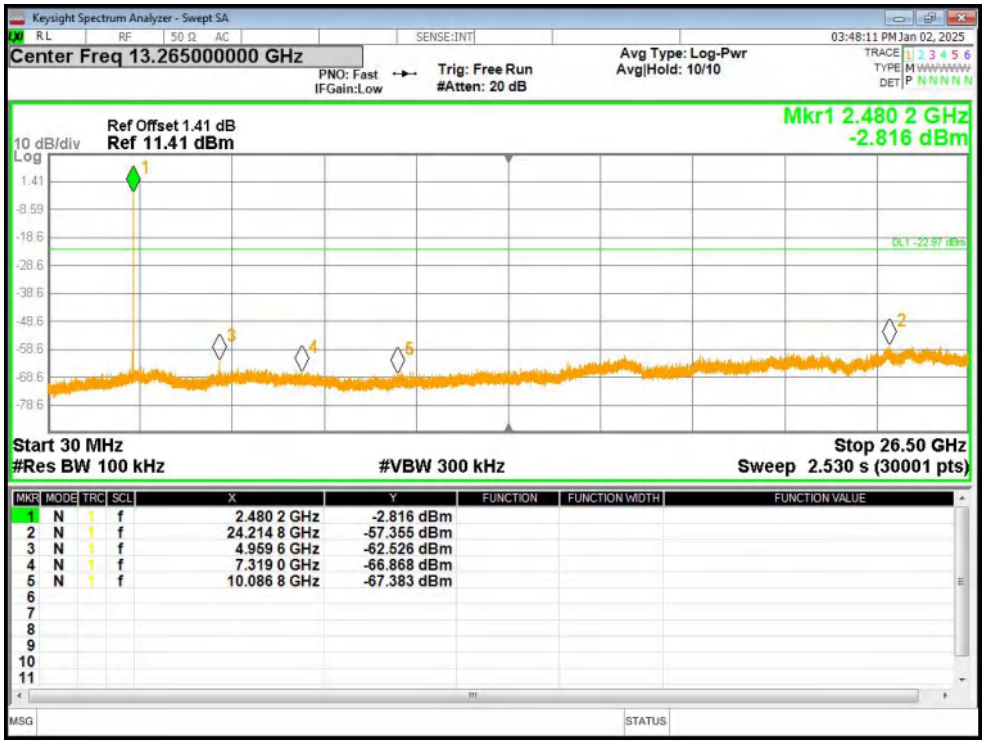


Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



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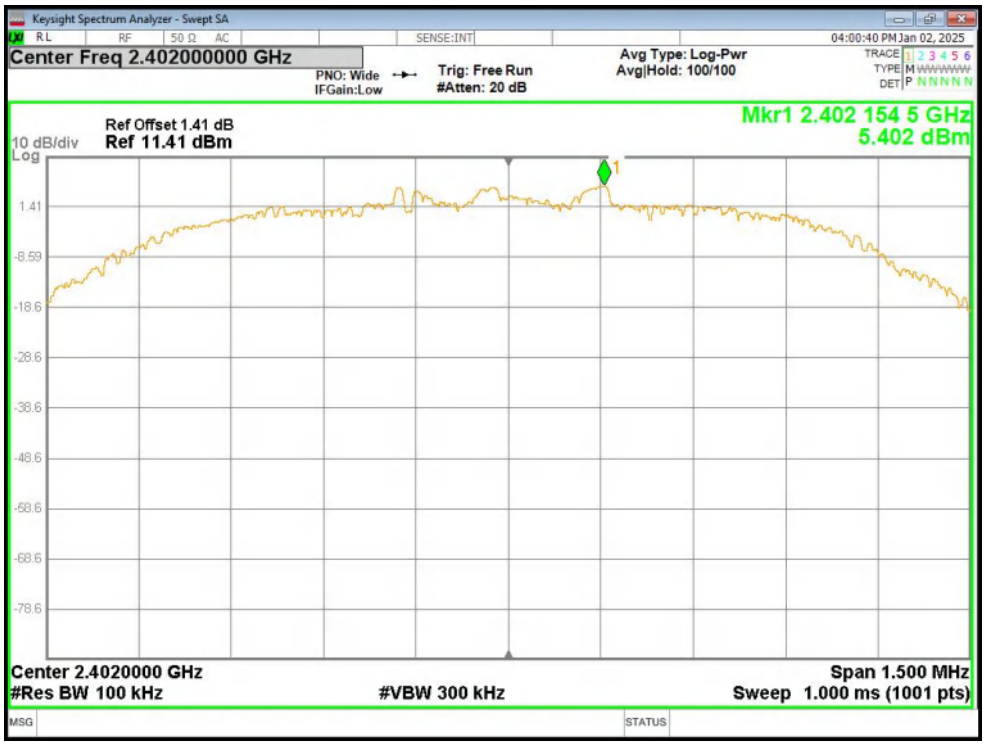

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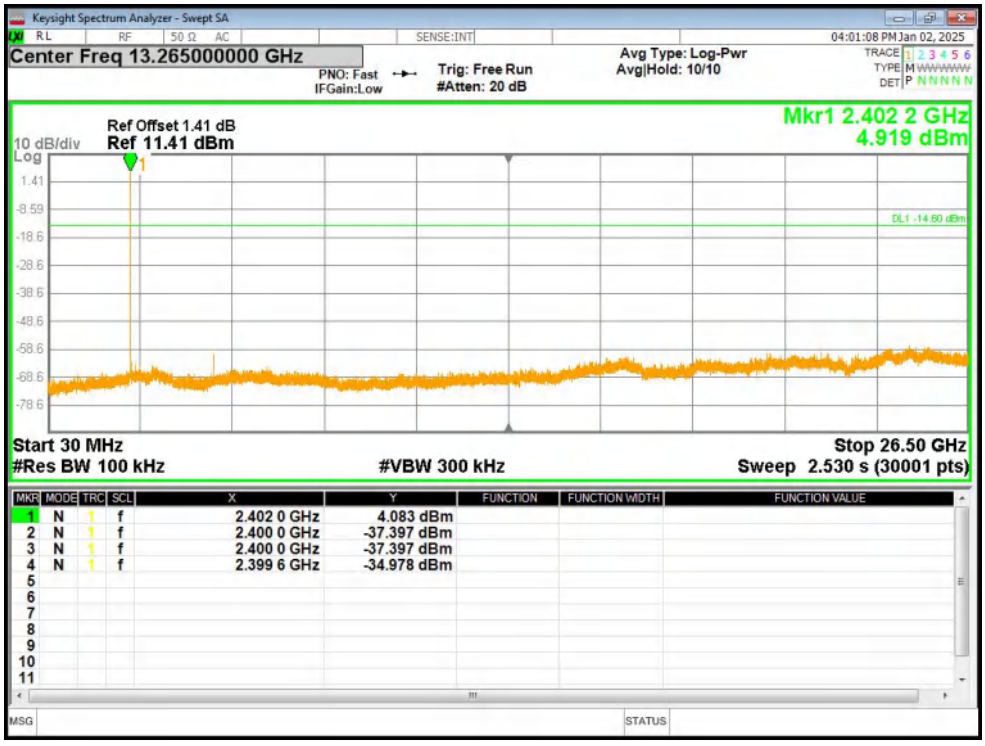

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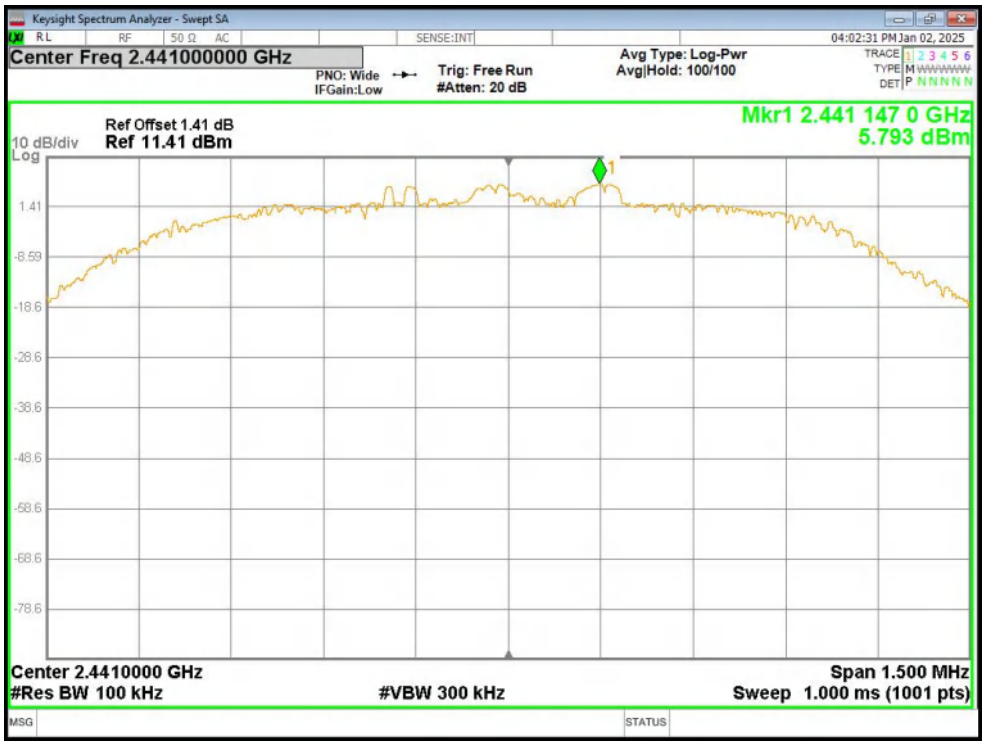
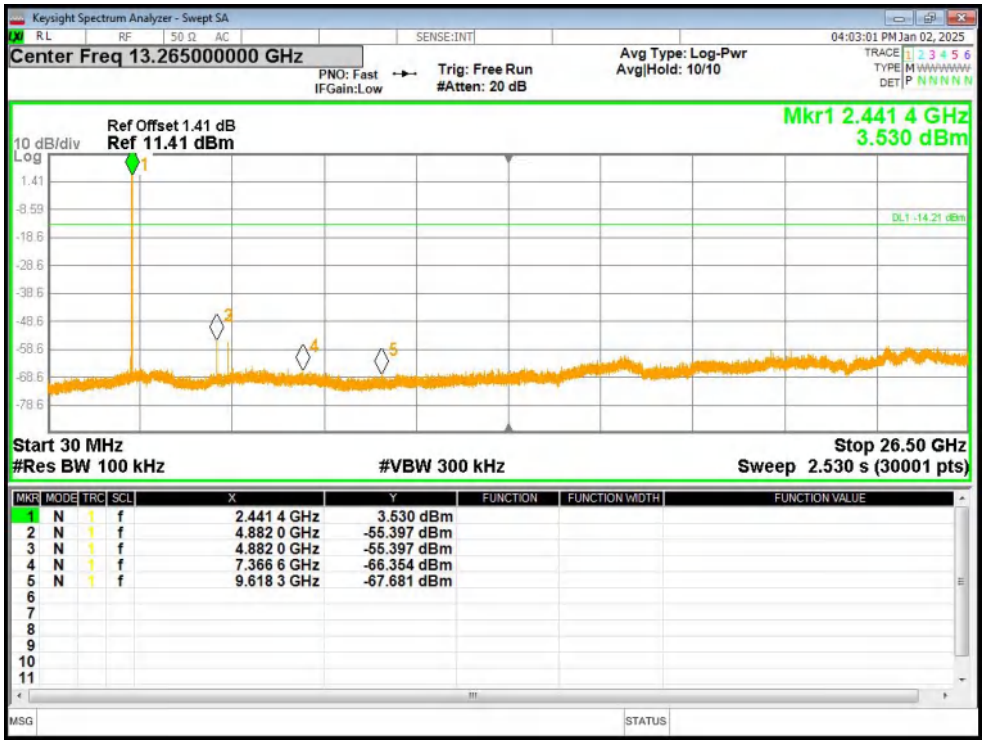
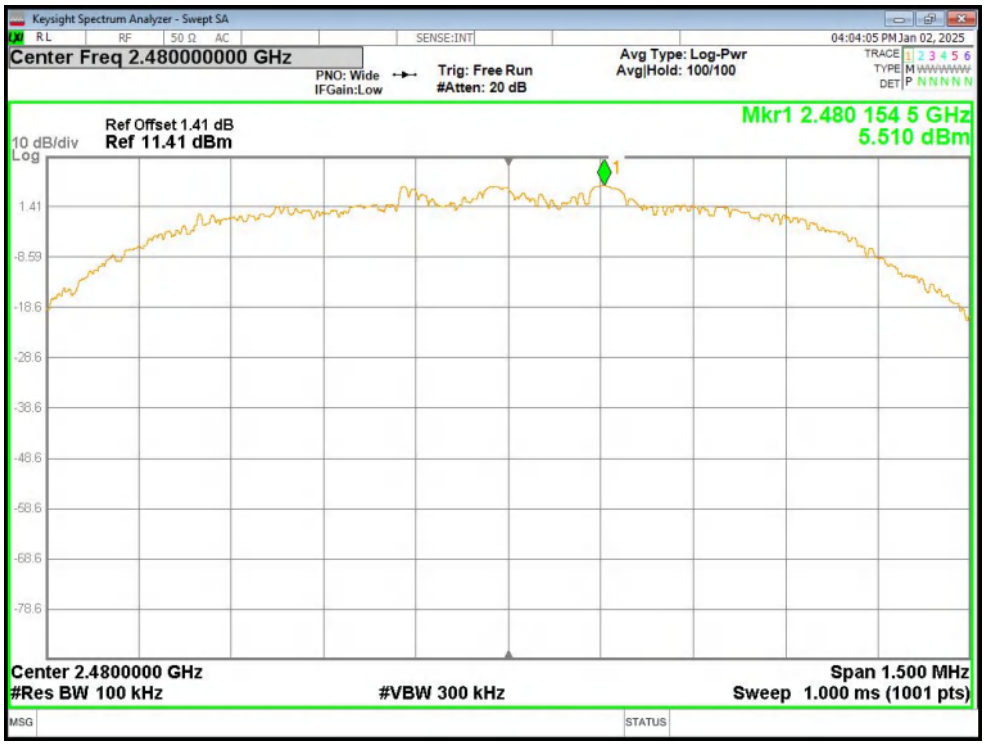


Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



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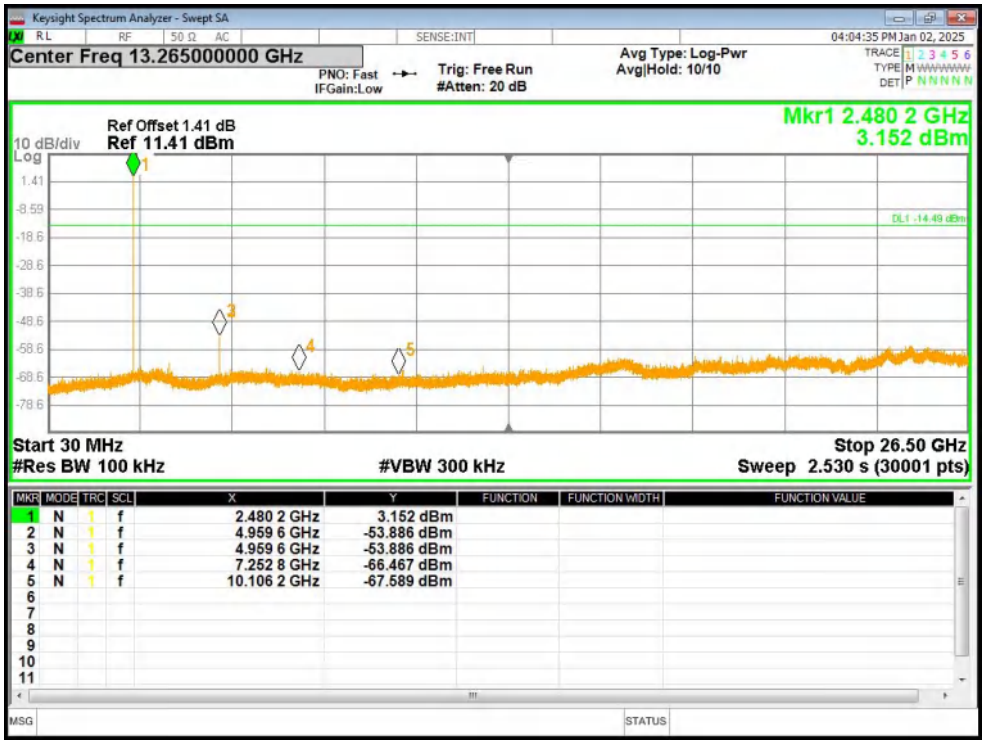

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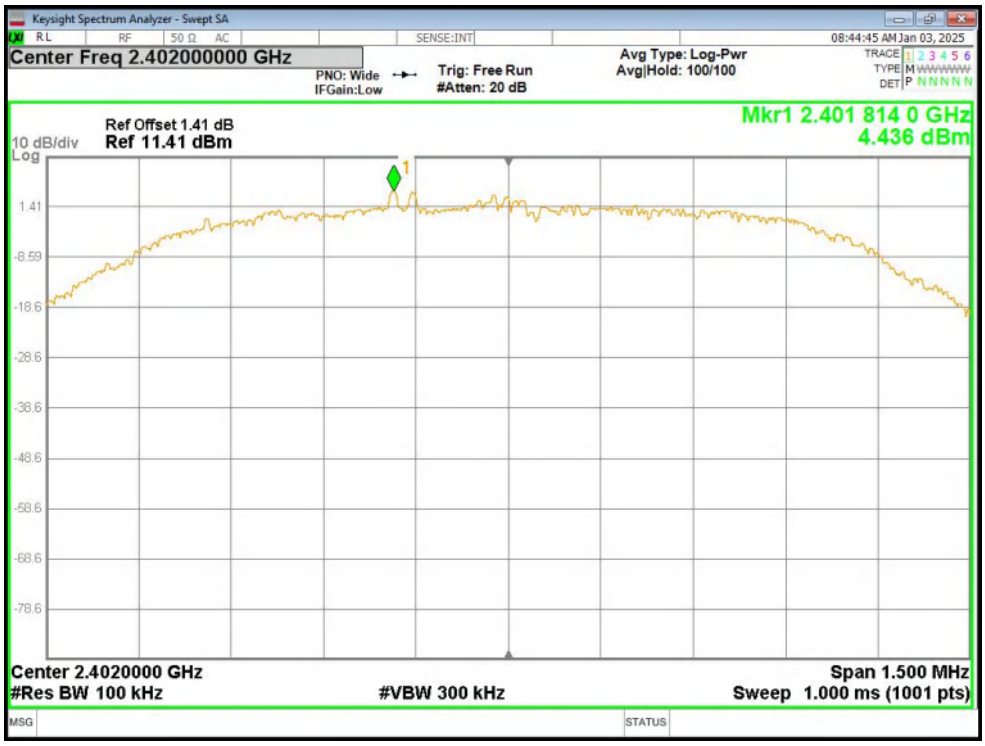
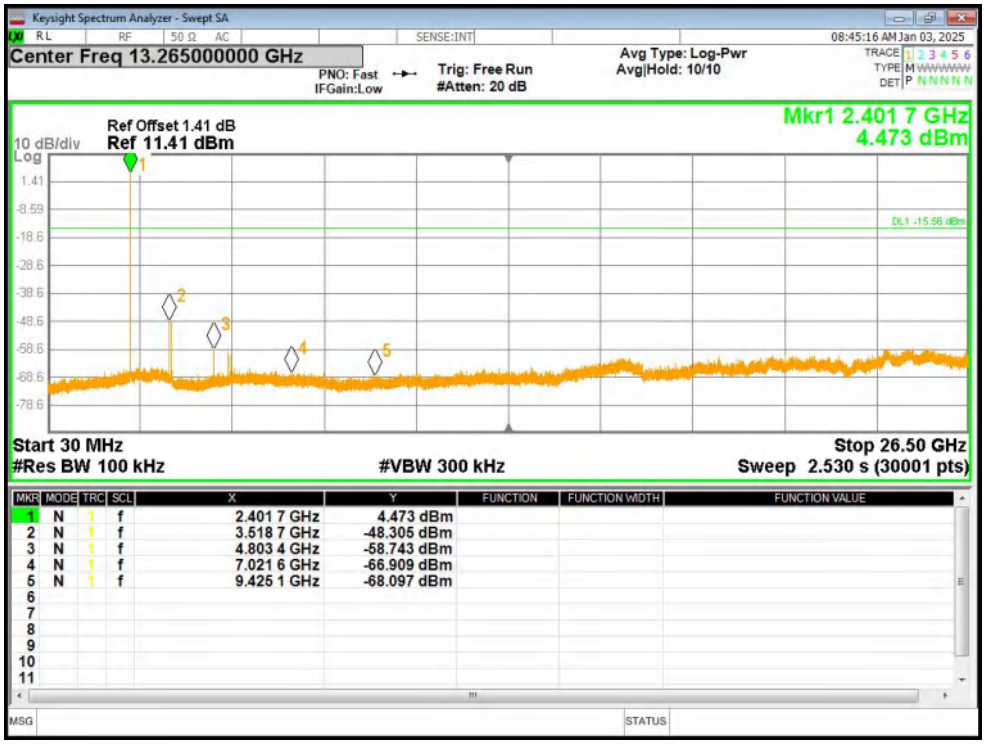


Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission



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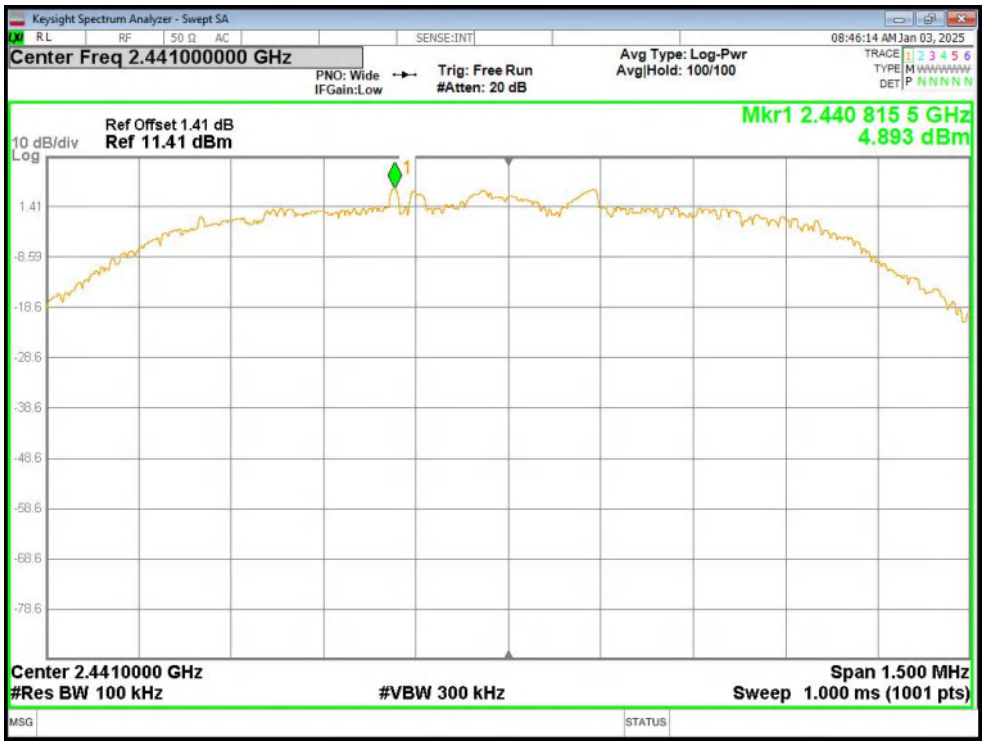

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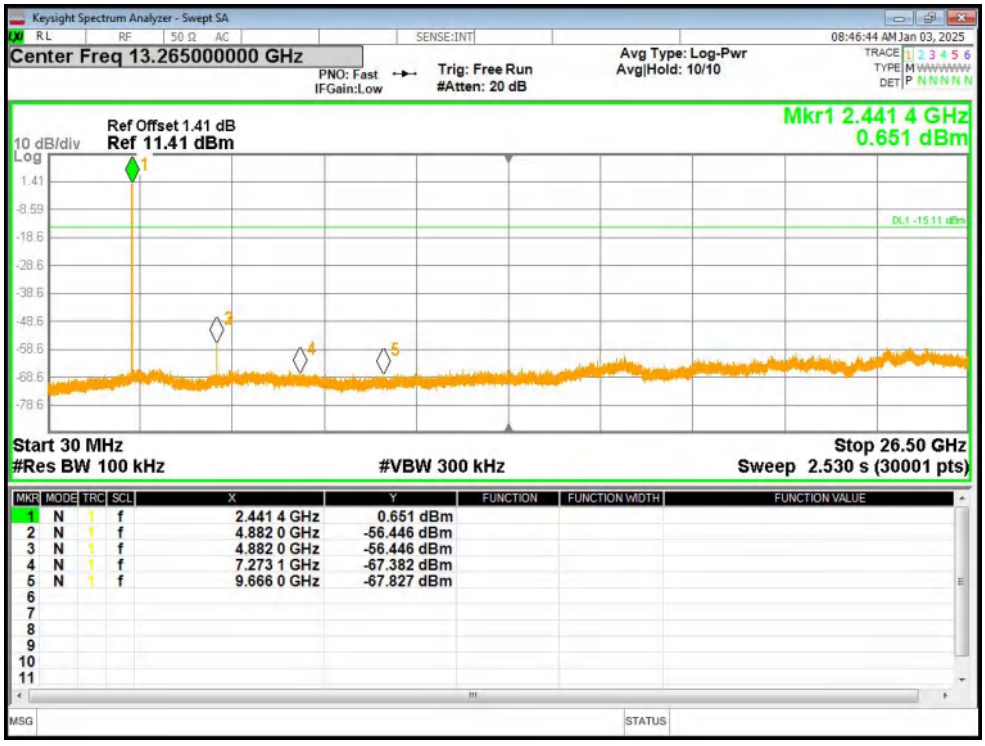
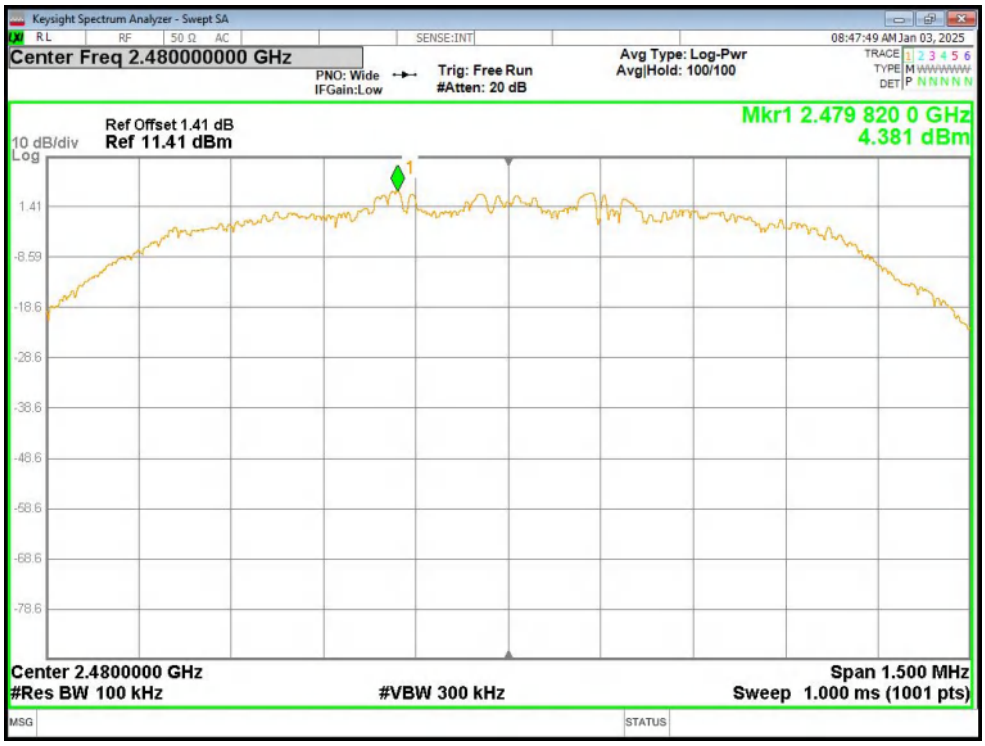
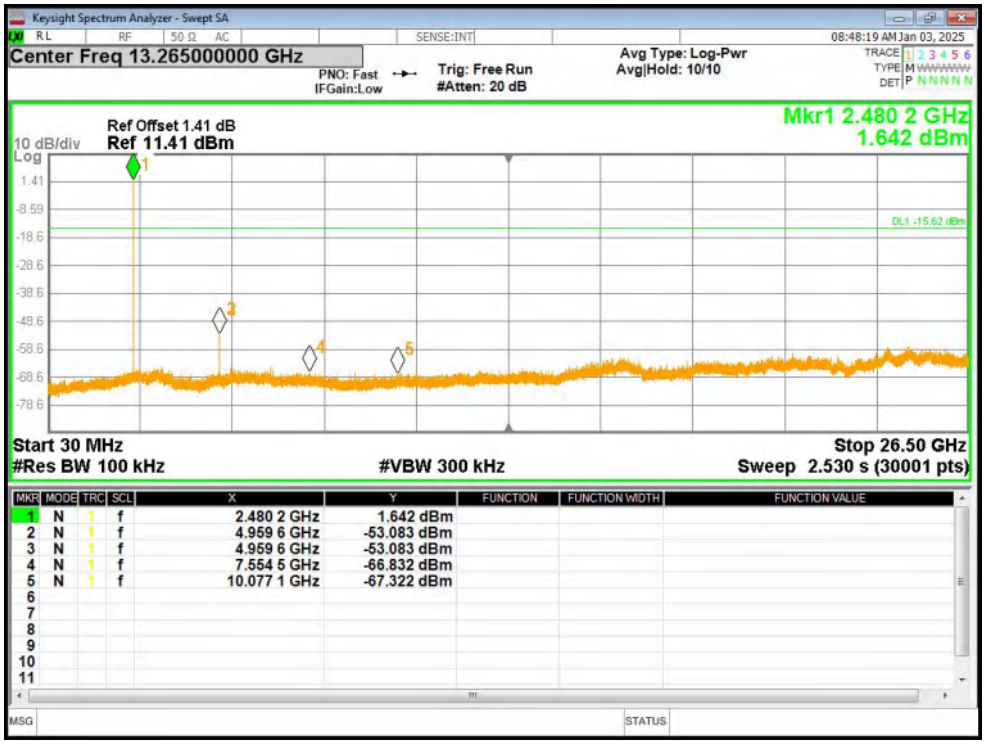


Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref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