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FCC_BT(Part15.247) Test Data

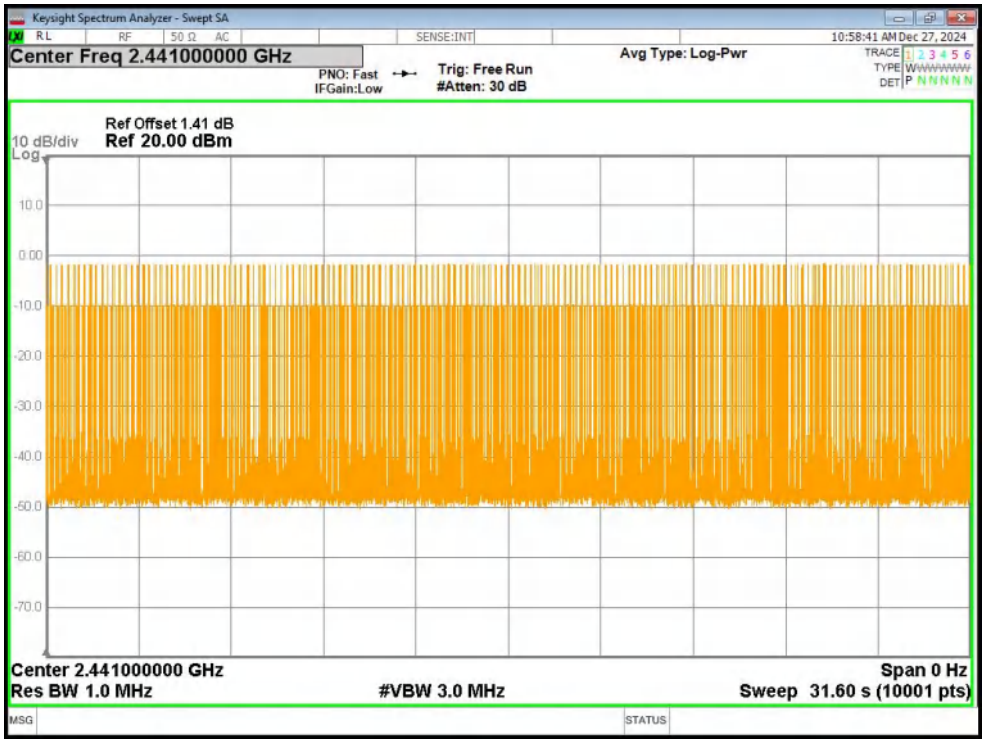
1.Dwell Time

Mode	Frequency (MHz)	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
1-DH1	2441	0.376	120.32	320	31600	400	Pass
1-DH3	2441	1.632	254.592	156	31600	400	Pass
1-DH5	2441	2.88	302.4	105	31600	400	Pass
2-DH1	2441	0.379	119.764	316	31600	400	Pass
2-DH3	2441	1.63	252.65	155	31600	400	Pass
2-DH5	2441	2.885	291.385	101	31600	400	Pass
3-DH1	2441	0.387	122.679	317	31600	400	Pass
3-DH3	2441	1.637	268.468	164	31600	400	Pass
3-DH5	2441	2.888	309.016	107	31600	400	Pass

Test Graphs

Dwell NVNT 1-DH1 2441MHz Ant1 One Burst

Dwell NVNT 1-DH1 2441MHz Ant1 Accumulated

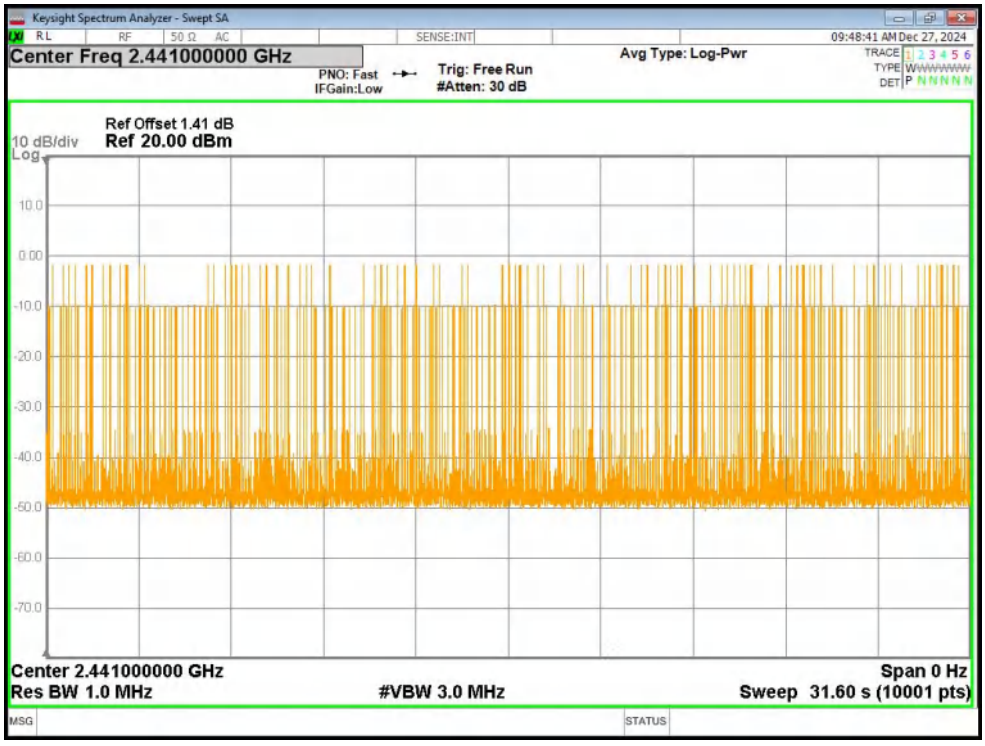


Dwell NVNT 1-DH3 2441MHz Ant1 One Burst

Dwell NVNT 1-DH3 2441MHz Ant1 Accumulated

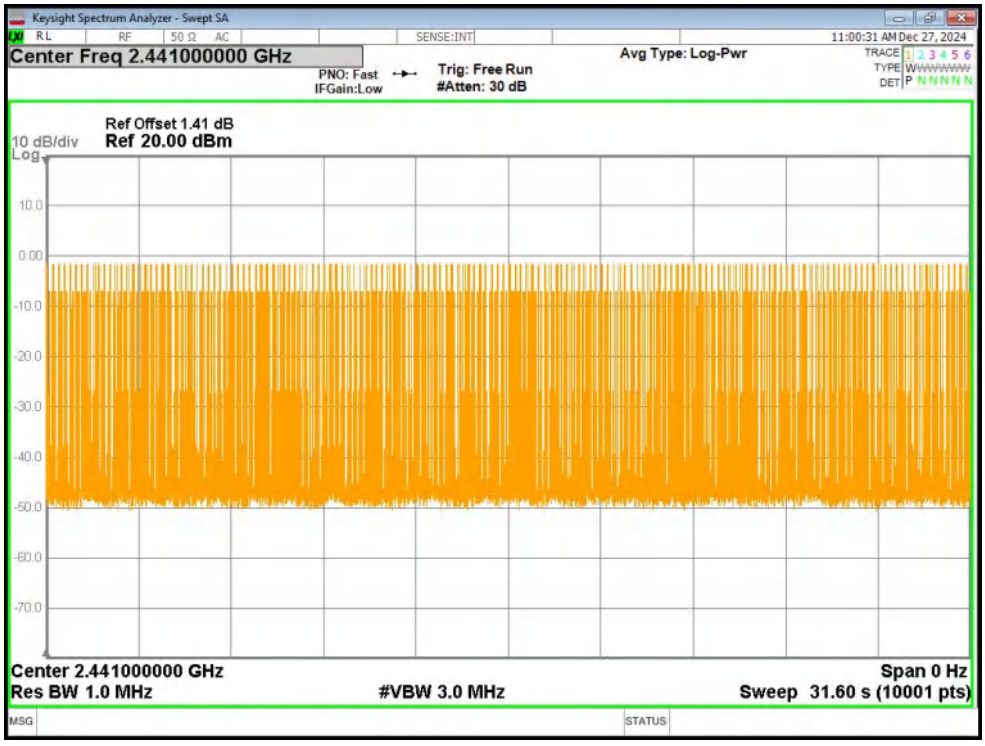
Dwell NVNT 1-DH5 2441MHz Ant1 One Burst

Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated



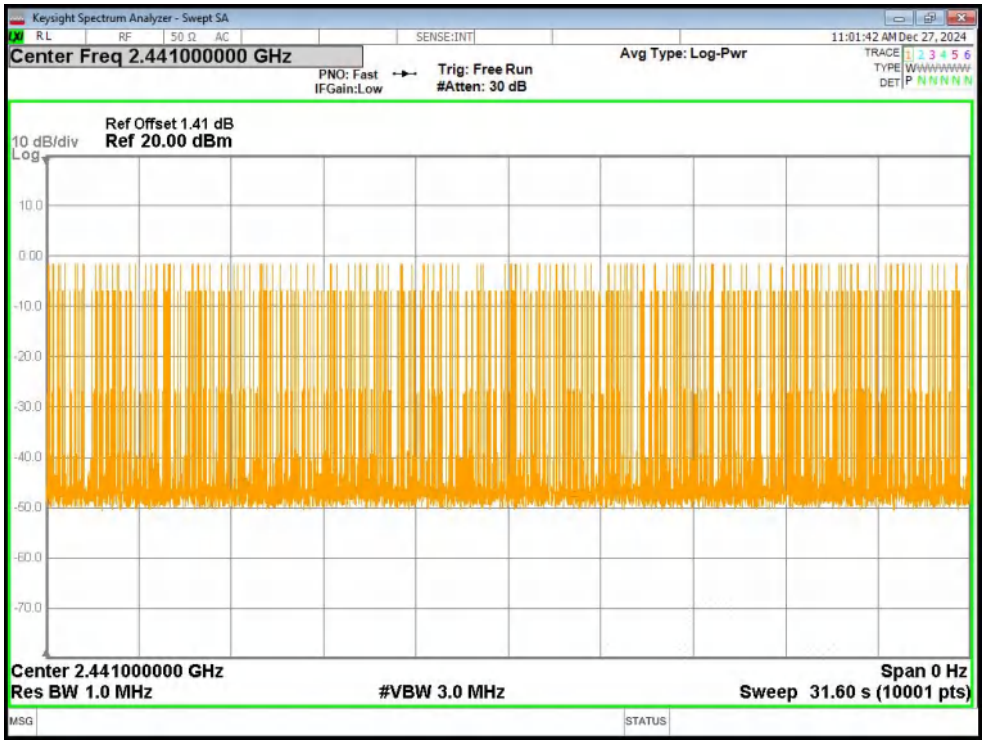
Dwell NVNT 2-DH1 2441MHz Ant1 One Burst

Dwell NVNT 2-DH1 2441MHz Ant1 Accumulated



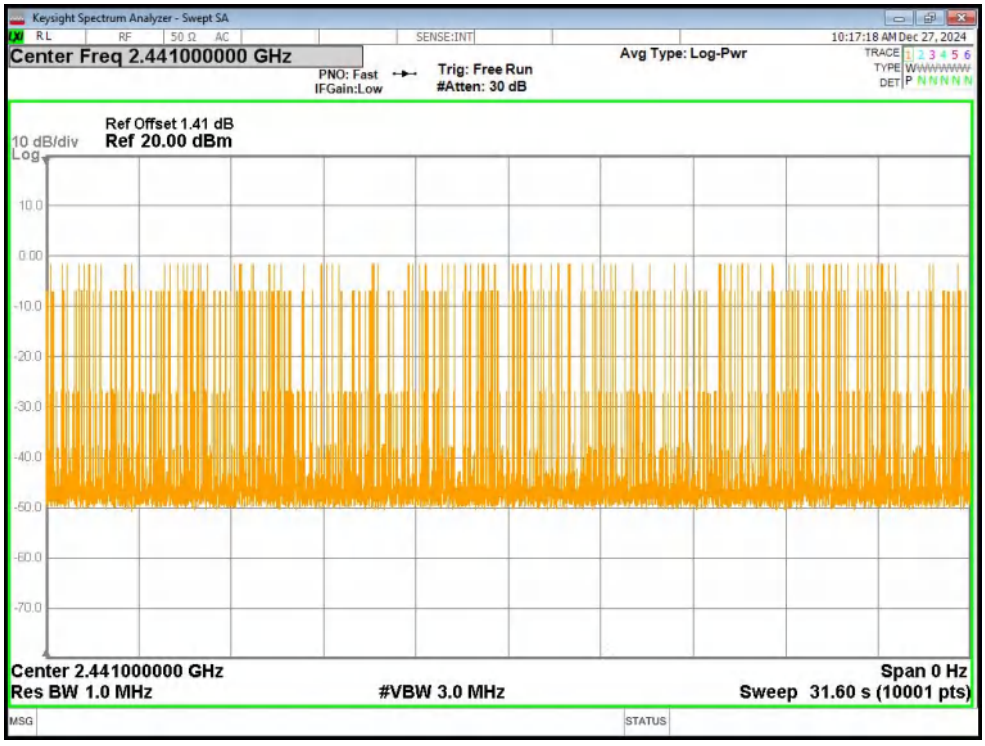
Dwell NVNT 2-DH3 2441MHz Ant1 One Burst

Dwell NVNT 2-DH3 2441MHz Ant1 Accumulated



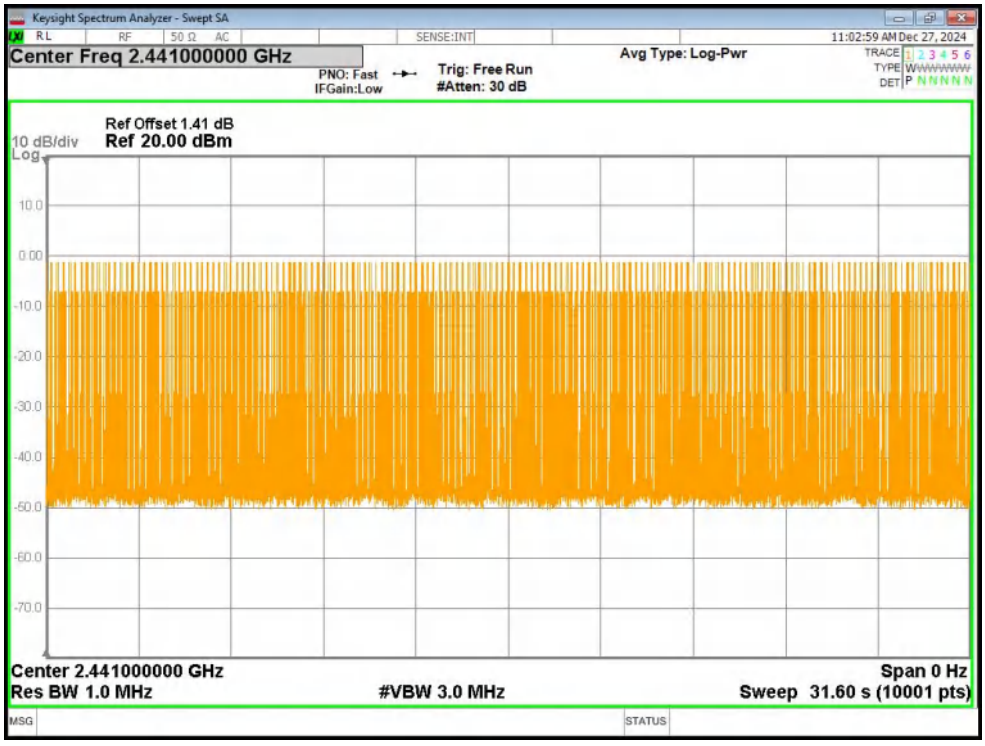
Dwell NVNT 2-DH5 2441MHz Ant1 One Burst

Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated



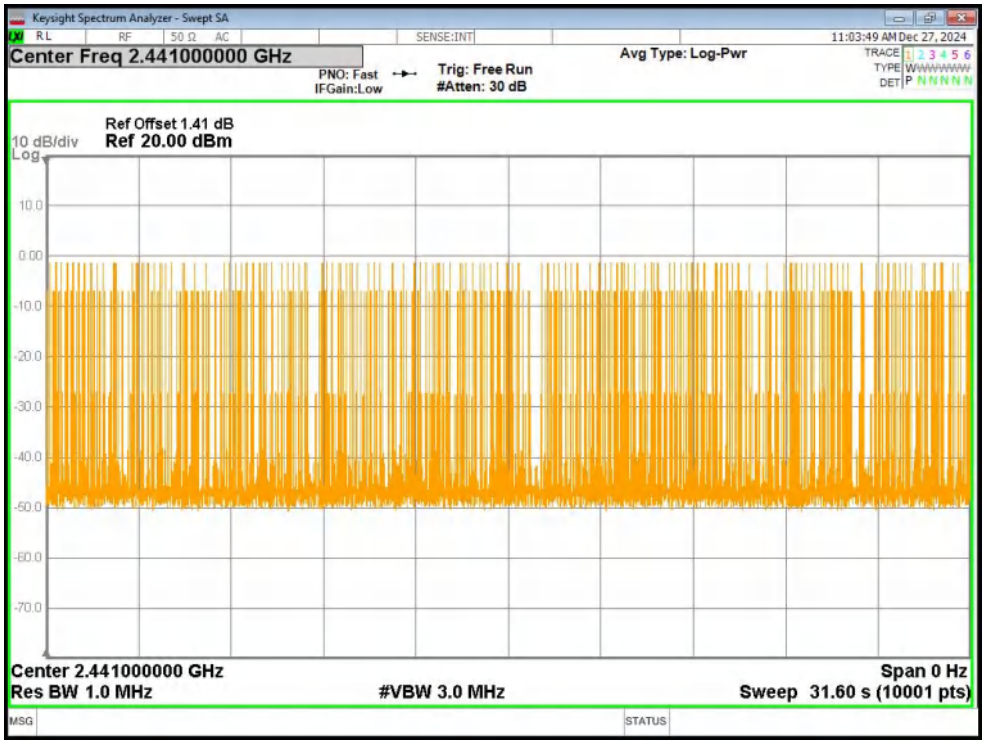
Dwell NVNT 3-DH1 2441MHz Ant1 One Burst

Dwell NVNT 3-DH1 2441MHz Ant1 Accumulated



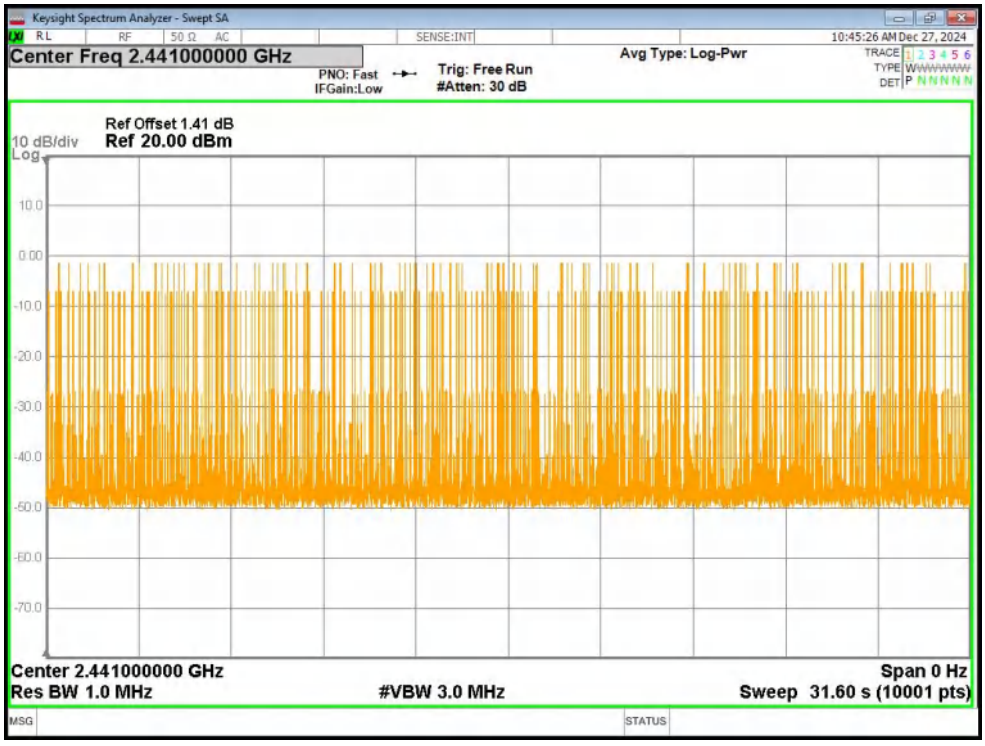
Dwell NVNT 3-DH3 2441MHz Ant1 One Burst

Dwell NVNT 3-DH3 2441MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2441MHz Ant1 One Burst

Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated

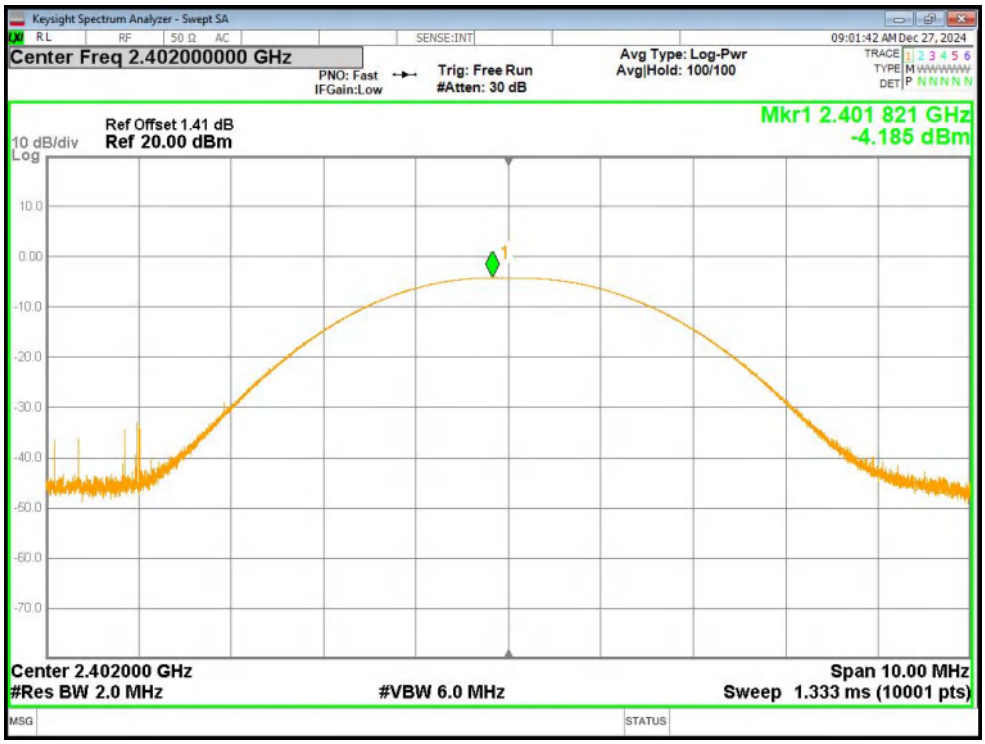


2.Maximum Peak Conducted Output Power

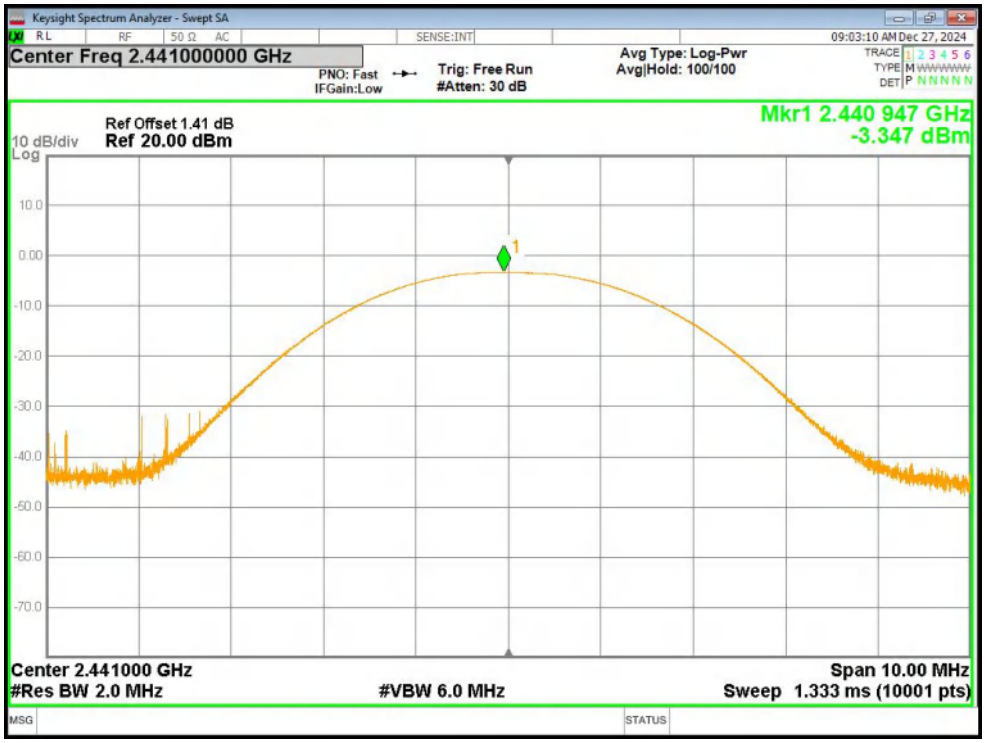
Mode	Frequency (MHz)	Total Power (dBm)	Limit (dBm)	Verdict
1-DH5	2402	-4.18	30	Pass
1-DH5	2441	-3.35	30	Pass
1-DH5	2480	-2.65	30	Pass
2-DH5	2402	-2.26	21	Pass
2-DH5	2441	-1.31	21	Pass
2-DH5	2480	-0.36	21	Pass
3-DH5	2402	-2.05	21	Pass
3-DH5	2441	-1.15	21	Pass
3-DH5	2480	-0.23	21	Pass

Test Graphs

Peak Power NVNT 1-DH5 2402MHz Ant1

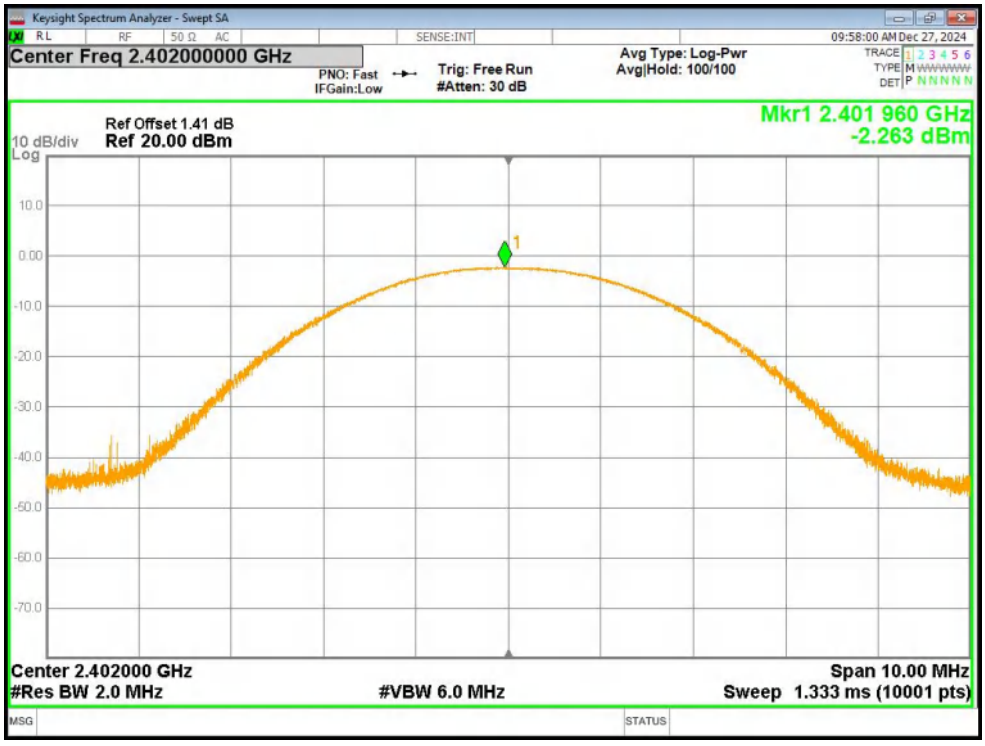


Peak Power NVNT 1-DH5 2441MHz Ant1

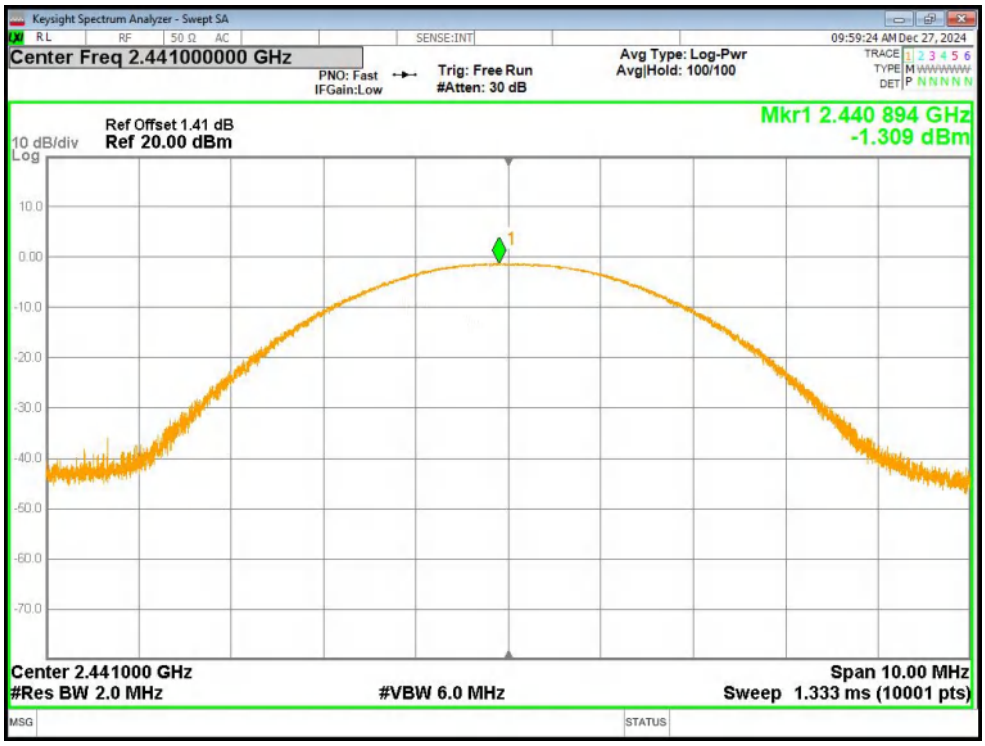


Peak Power NVNT 1-DH5 2480MHz Ant1

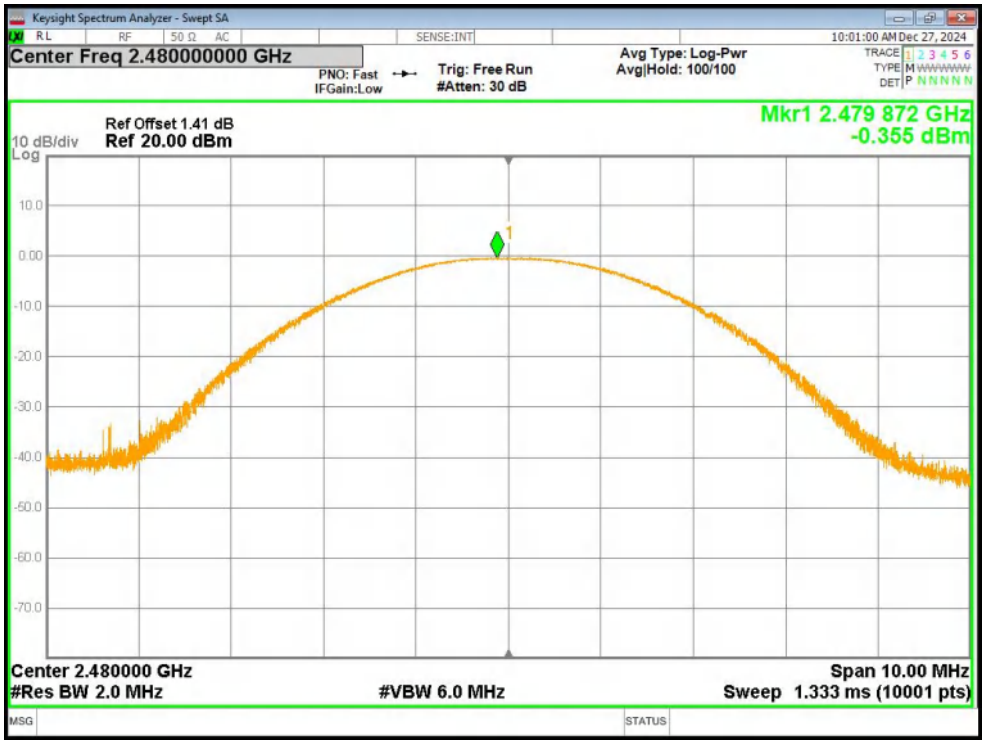
Peak Power NVNT 2-DH5 2402MHz Ant1



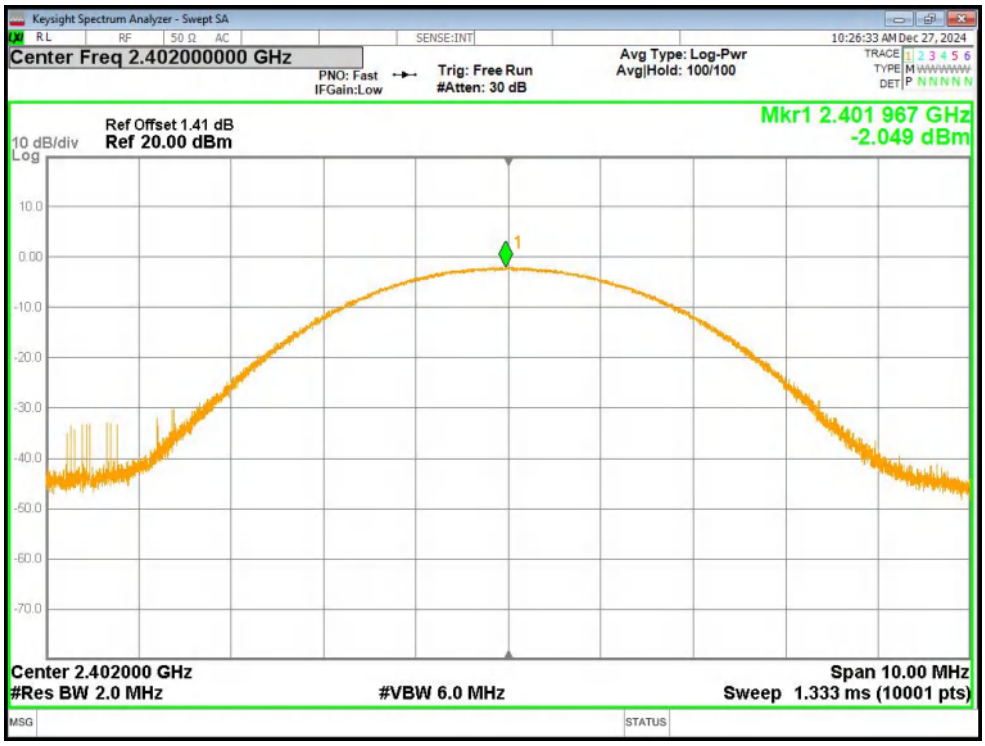
Peak Power NVNT 2-DH5 2441MHz Ant1



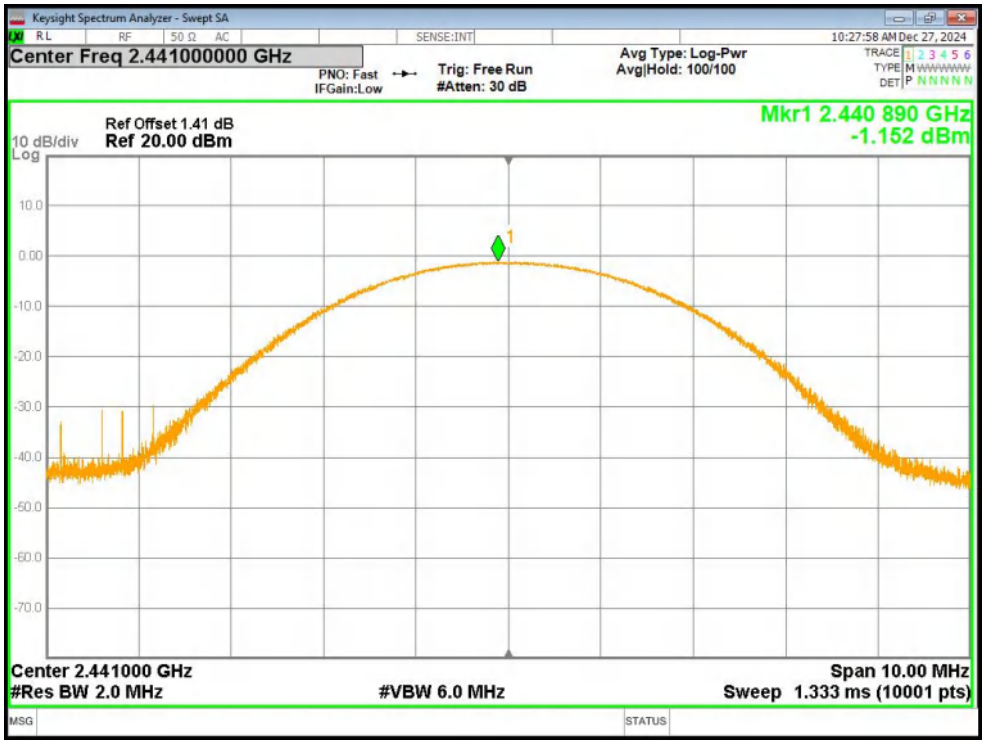
Peak Power NVNT 2-DH5 2480MHz Ant1



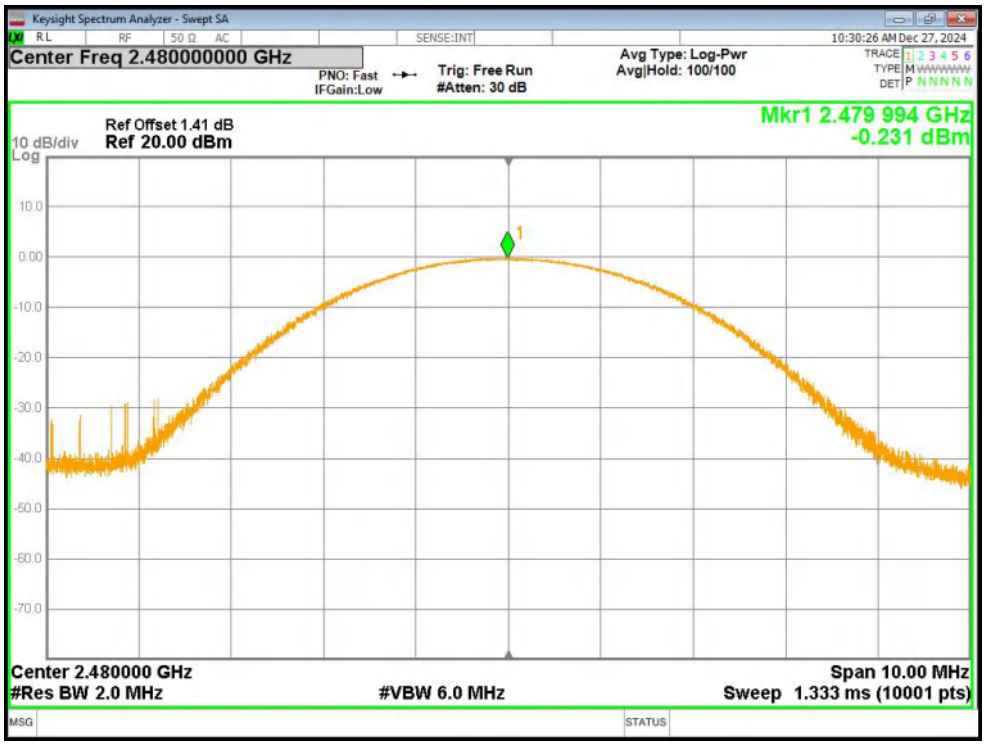
Peak Power NVNT 3-DH5 2402MHz Ant1



Peak Power NVNT 3-DH5 2441MHz Ant1



Peak Power NVNT 3-DH5 2480MHz Ant1

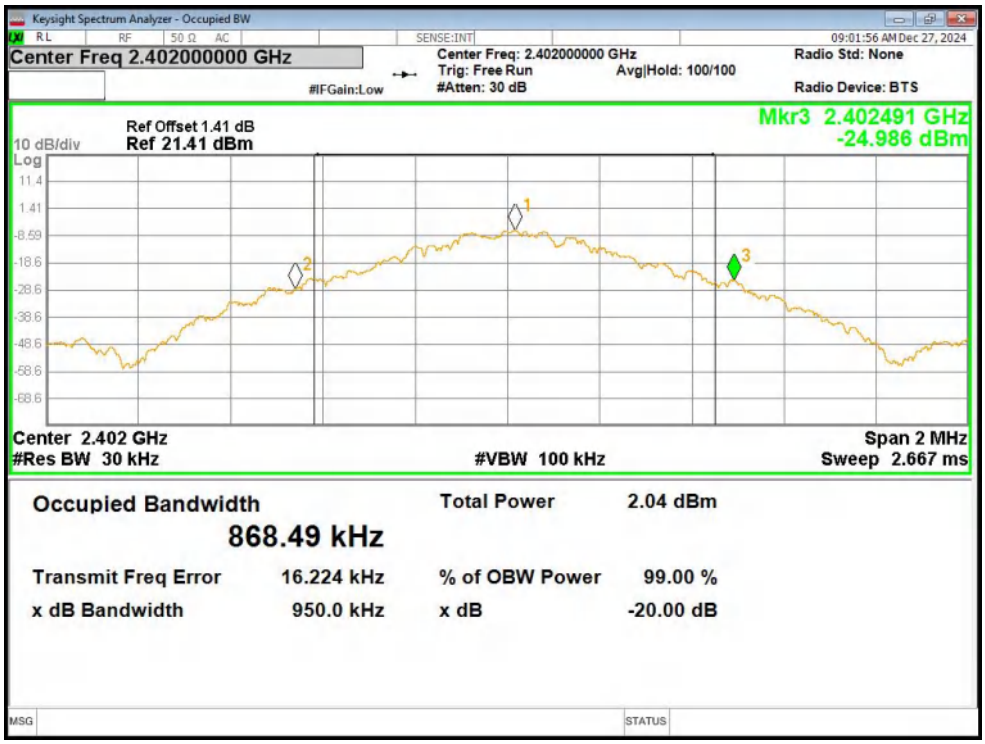


3.-20dB Bandwidth

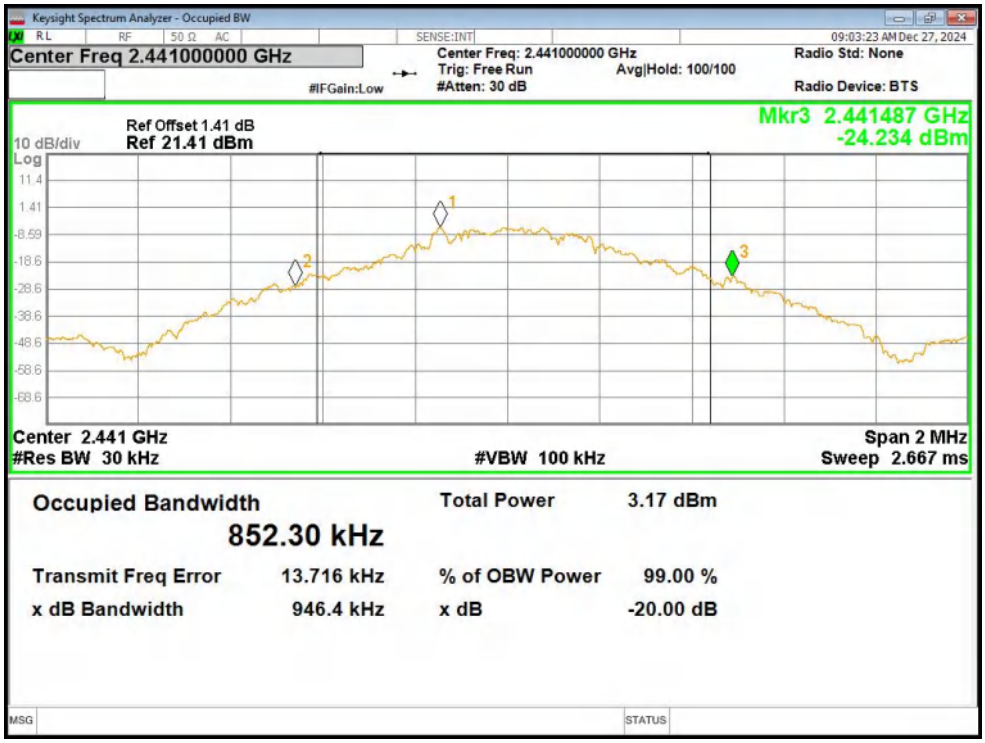
Mode	Frequency (MHz)	-20 dB Bandwidth (MHz)	Verdict
1-DH5	2402	0.950	Pass
1-DH5	2441	0.946	Pass
1-DH5	2480	0.945	Pass
2-DH5	2402	1.319	Pass
2-DH5	2441	1.311	Pass
2-DH5	2480	1.343	Pass
3-DH5	2402	1.301	Pass
3-DH5	2441	1.301	Pass
3-DH5	2480	1.332	Pass

Test Graphs

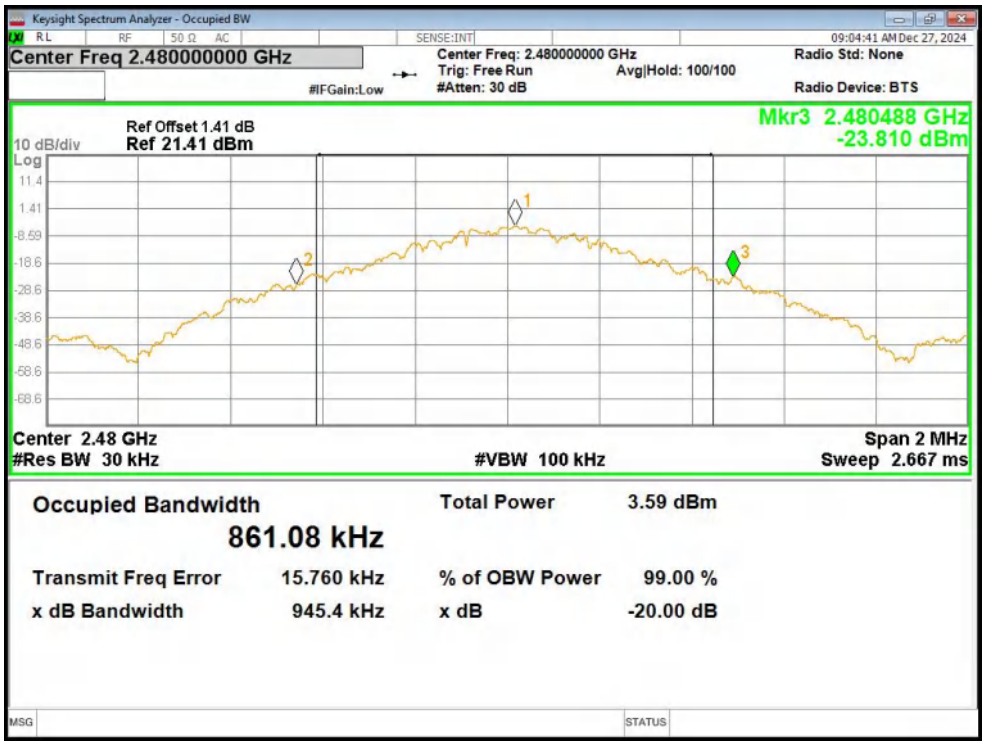
-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



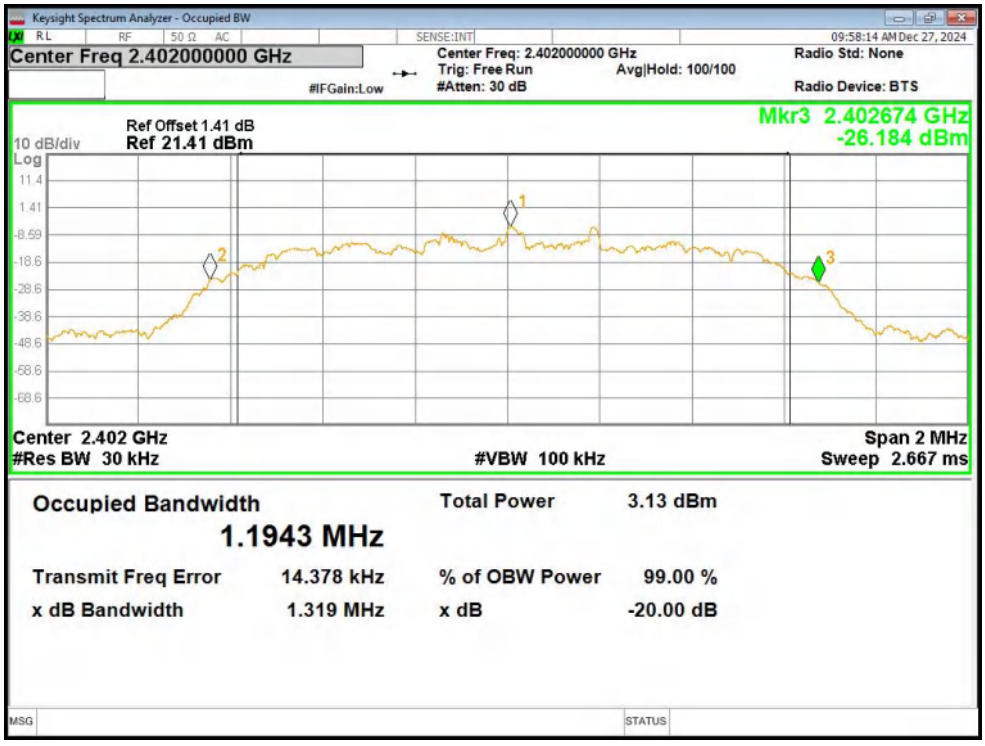
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



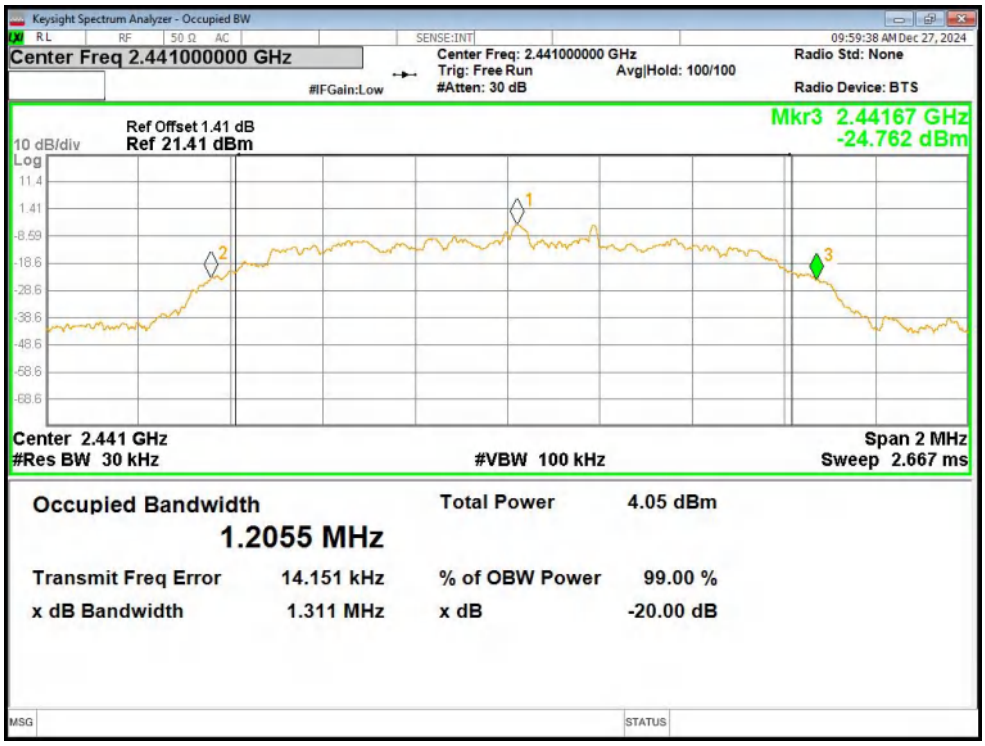
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



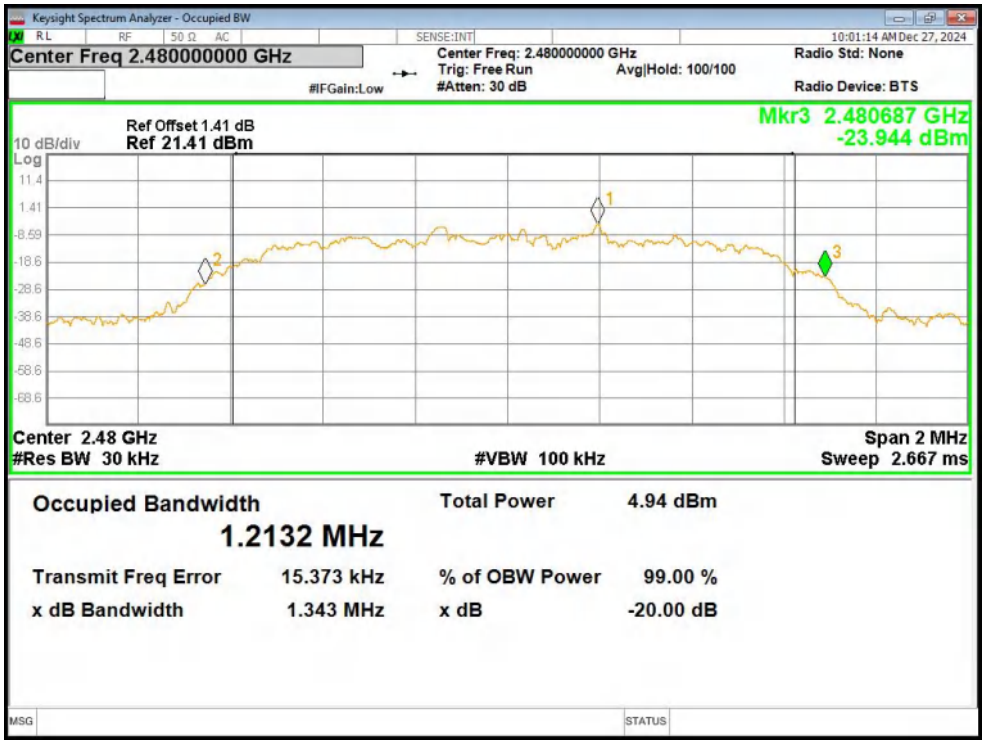
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



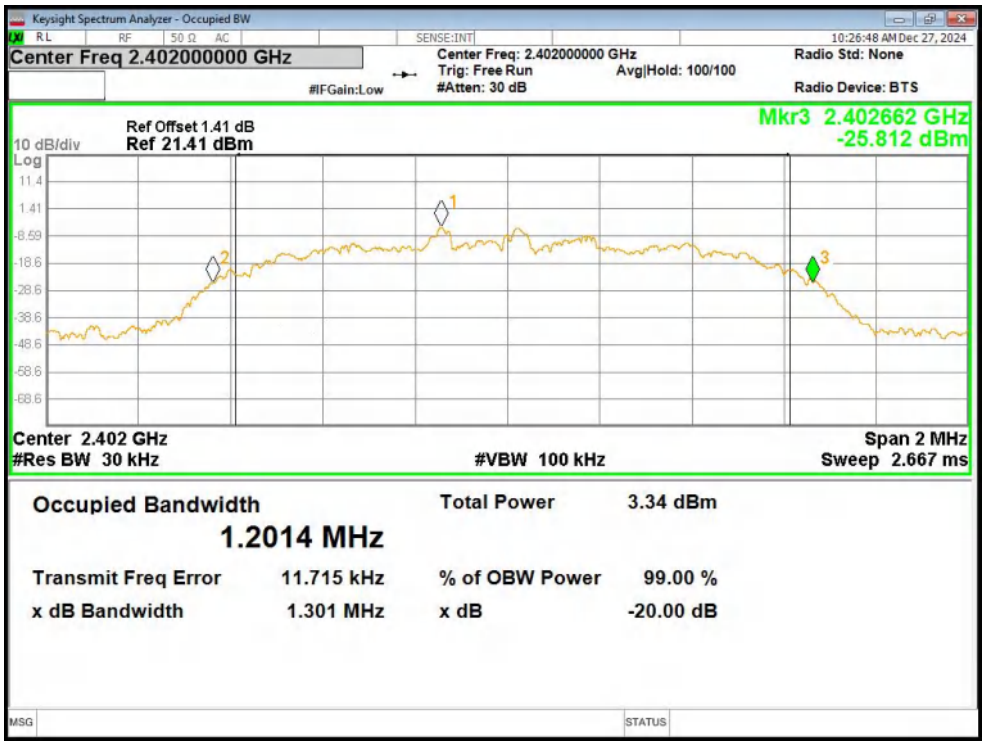
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



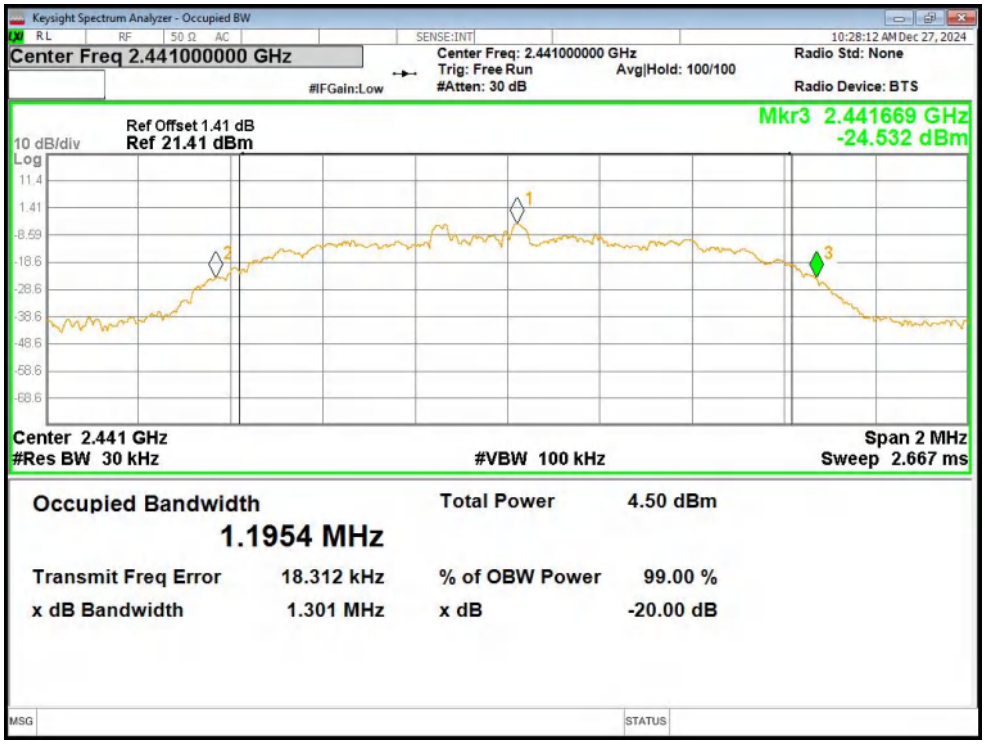
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



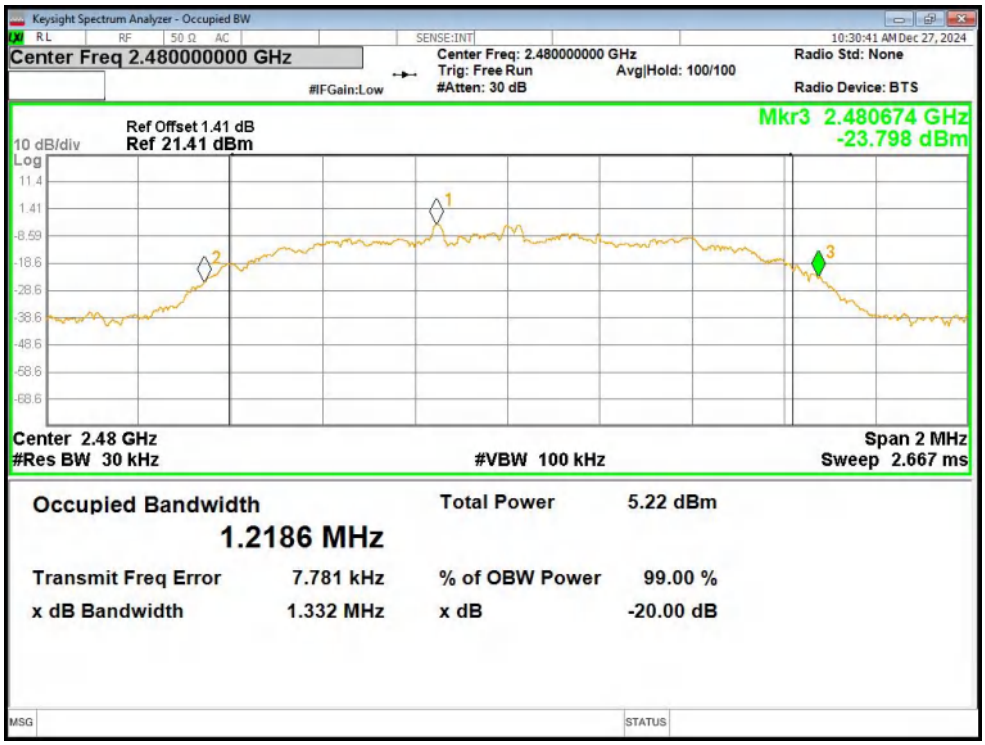
-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1

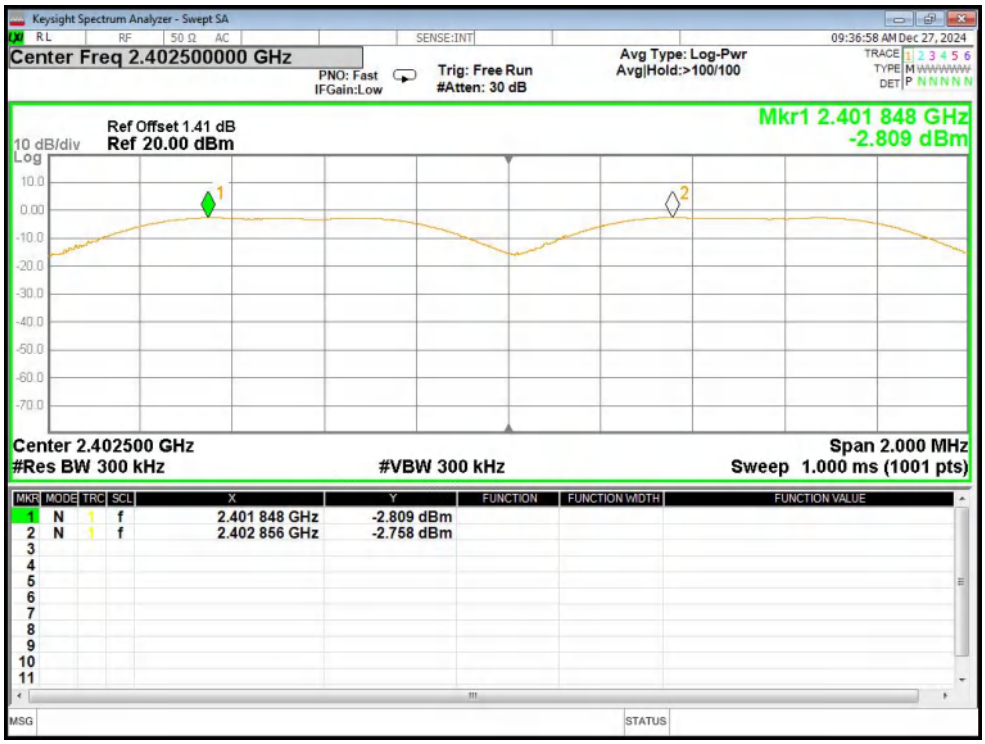


4.Carrier Frequencies Separation

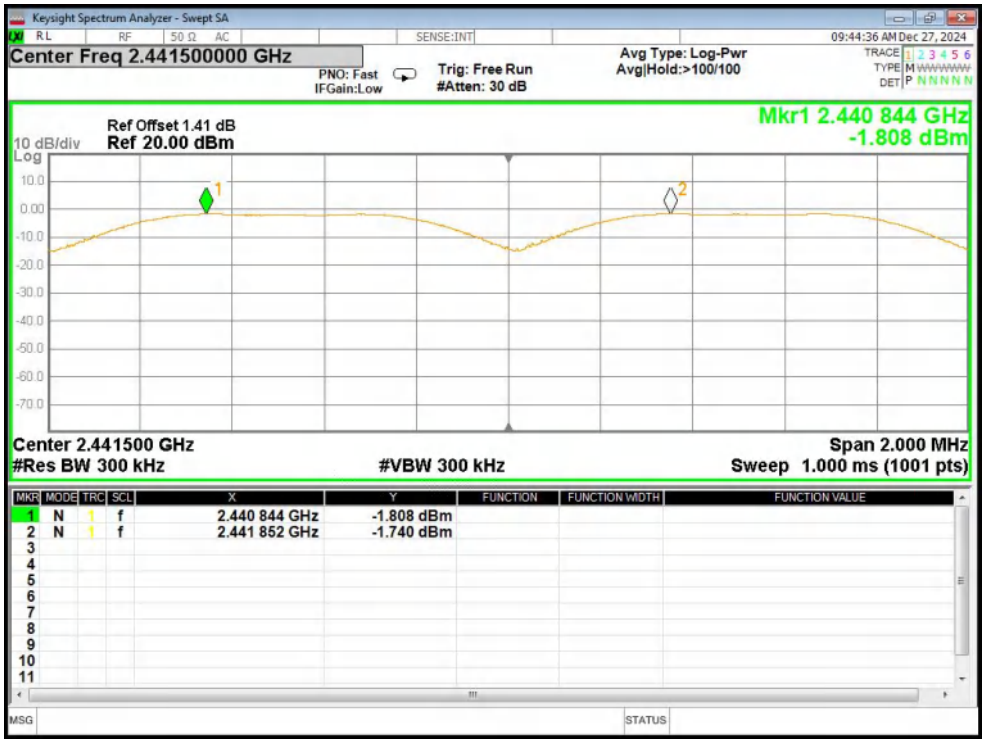
Mode	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
1-DH5	2401.848	2402.856	1.008	0.950	Pass
1-DH5	2440.844	2441.852	1.008	0.946	Pass
1-DH5	2478.86	2479.848	0.988	0.945	Pass
2-DH5	2401.854	2402.862	1.008	0.879	Pass
2-DH5	2440.858	2441.856	0.998	0.874	Pass
2-DH5	2478.856	2479.862	1.006	0.895	Pass
3-DH5	2401.864	2402.852	0.988	0.867	Pass
3-DH5	2440.842	2441.856	1.014	0.867	Pass
3-DH5	2478.844	2479.844	1	0.888	Pass

Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



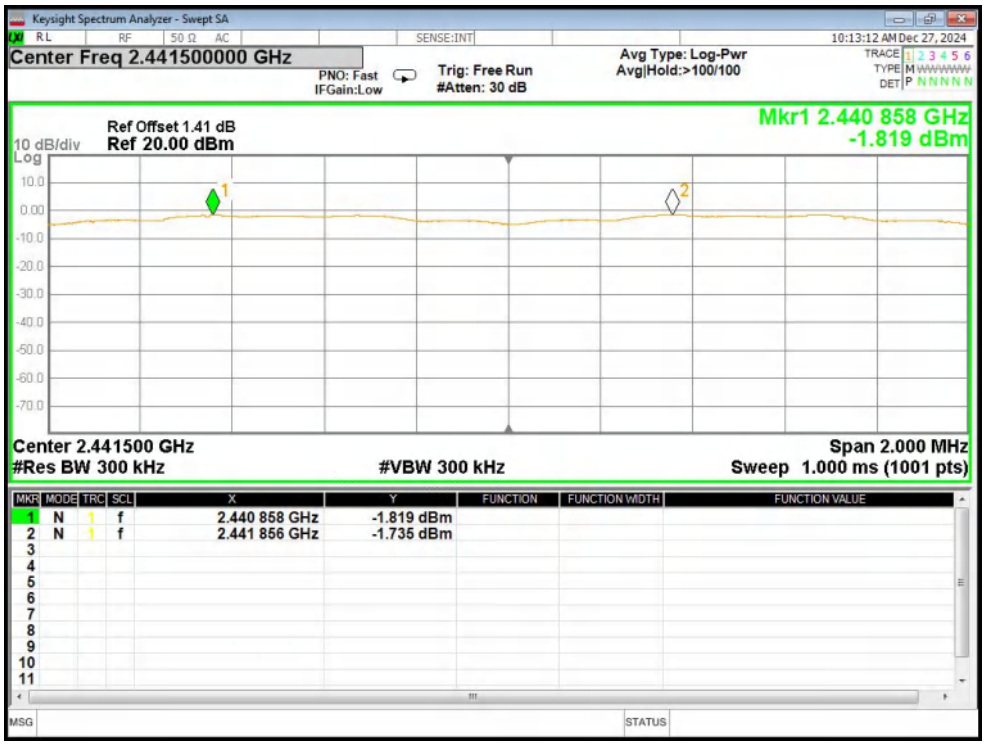
CFS NVNT 1-DH5 2441MHz Ant1



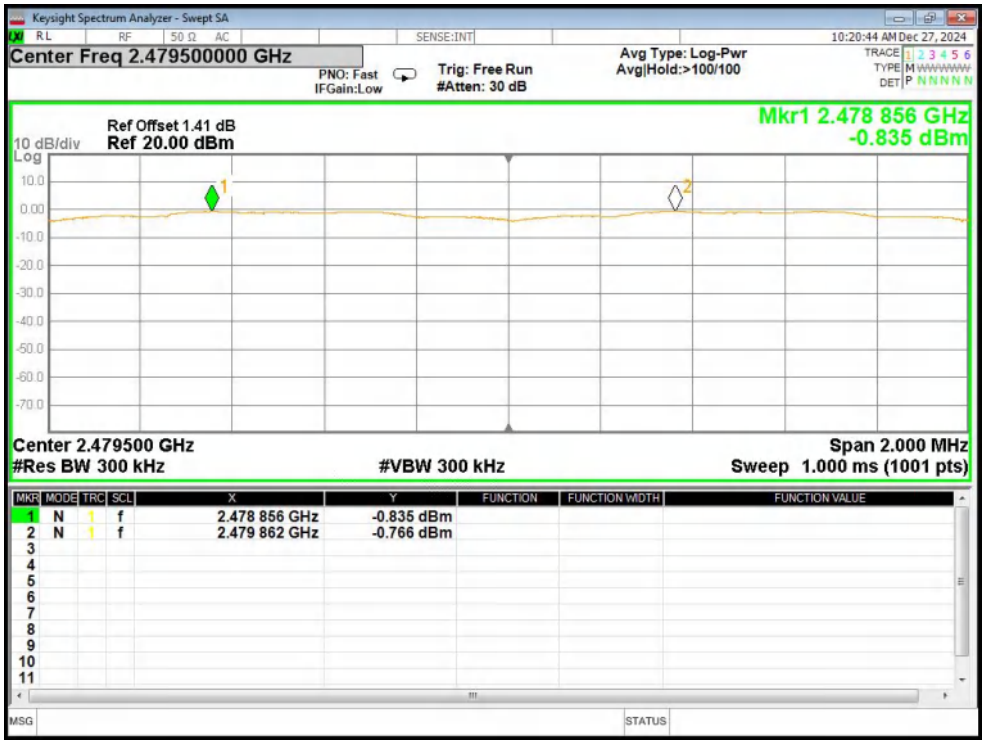
CFS NVNT 1-DH5 2480MHz Ant1

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

5.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 2402MHz Ant1

Hopping No. NVNT 1-DH5 2441MHz Ant1

Hopping No. NVNT 1-DH5 2480MHz Ant1

Hopping No. NVNT 2-DH5 2402MHz Ant1

Hopping No. NVNT 2-DH5 2441MHz Ant1

Hopping No. NVNT 2-DH5 2480MHz Ant1

Hopping No. NVNT 3-DH5 2402MHz Ant1

Hopping No. NVNT 3-DH5 2441MHz Ant1

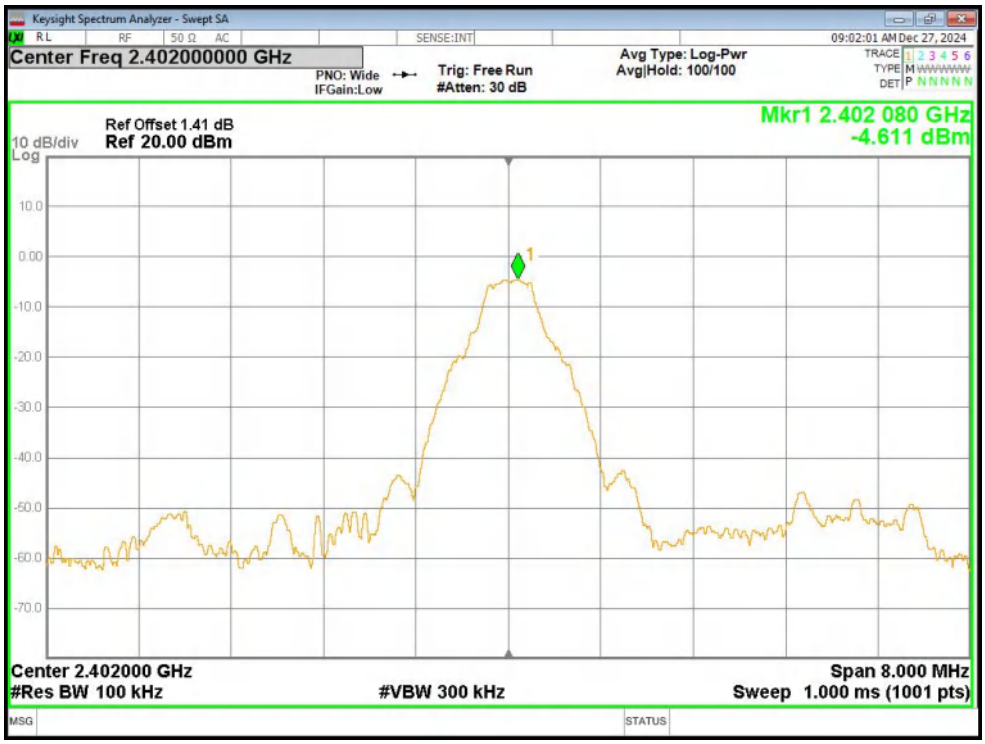
Hopping No. NVNT 3-DH5 2480MHz Ant1

6.Band Edge

Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
1-DH5	2402	No-Hopping	-45.69	-20	Pass
1-DH5	2480	No-Hopping	-44.05	-20	Pass
2-DH5	2402	No-Hopping	-43.43	-20	Pass
2-DH5	2480	No-Hopping	-41.95	-20	Pass
3-DH5	2402	No-Hopping	-42.94	-20	Pass
3-DH5	2480	No-Hopping	-48.07	-20	Pass

Test Graphs

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



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

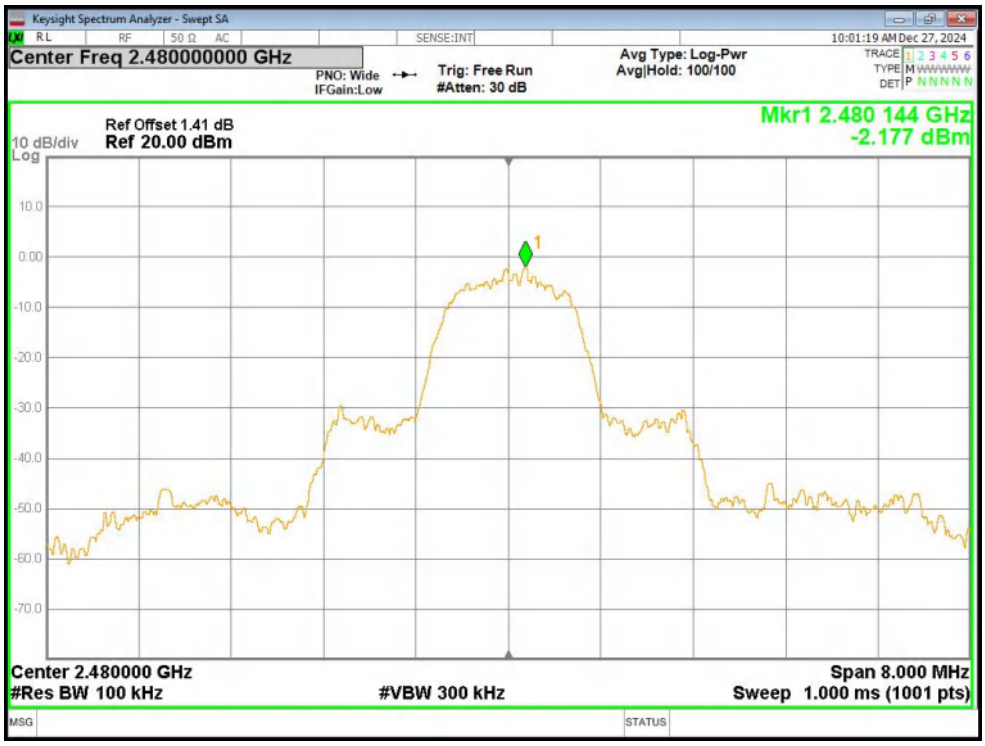
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

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

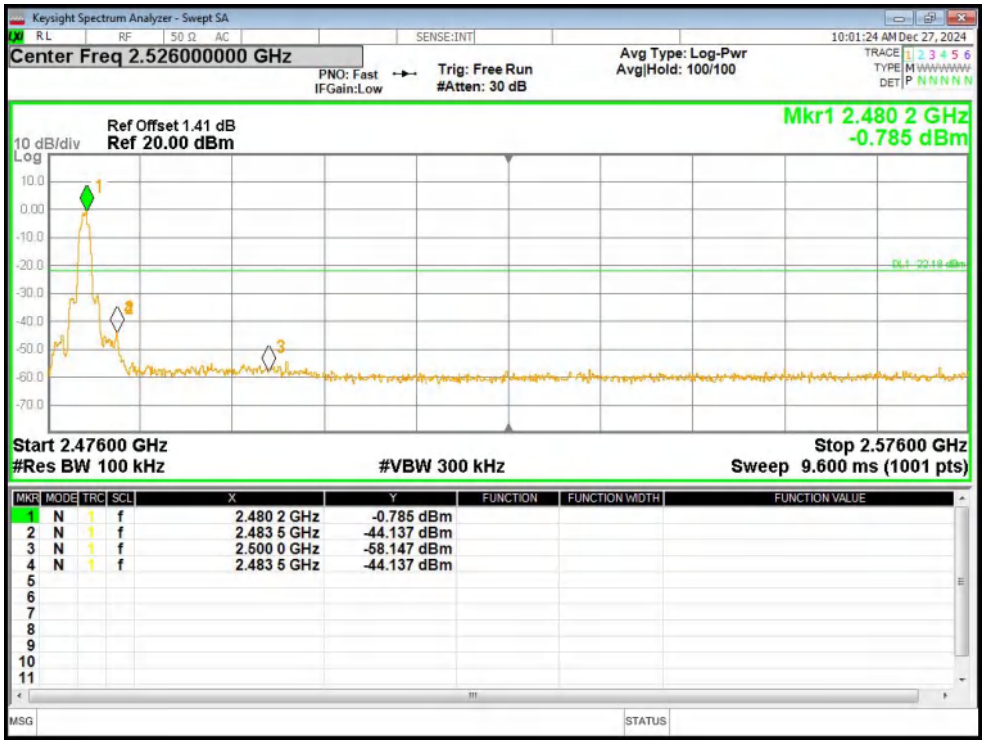
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

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

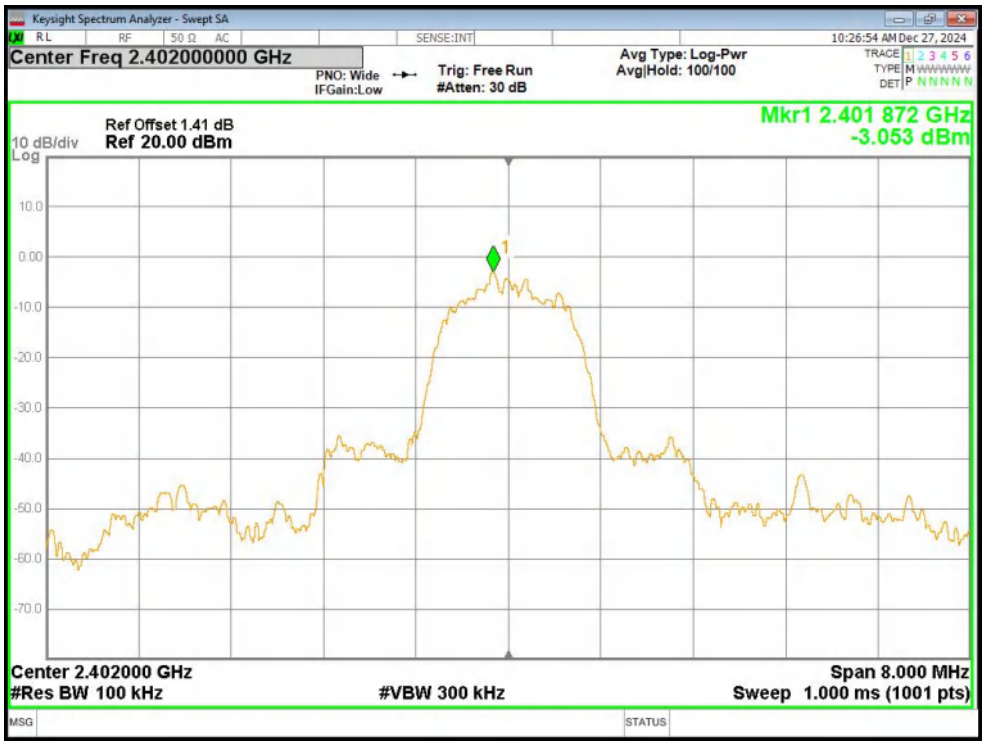
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



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



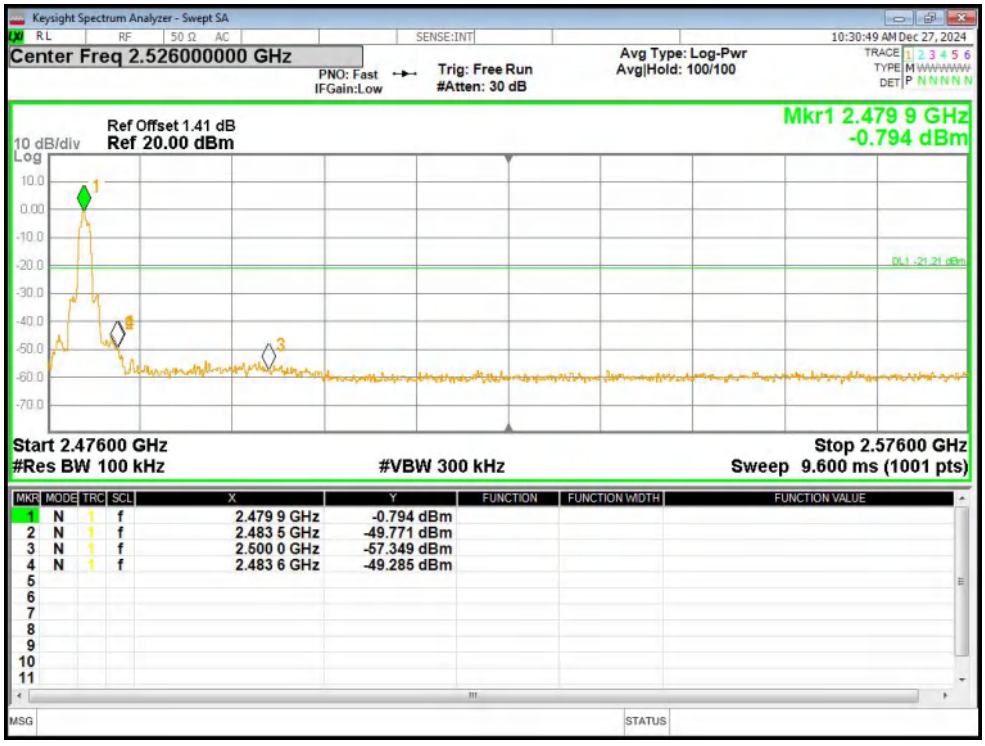
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



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



7.Band Edge(Hopping)

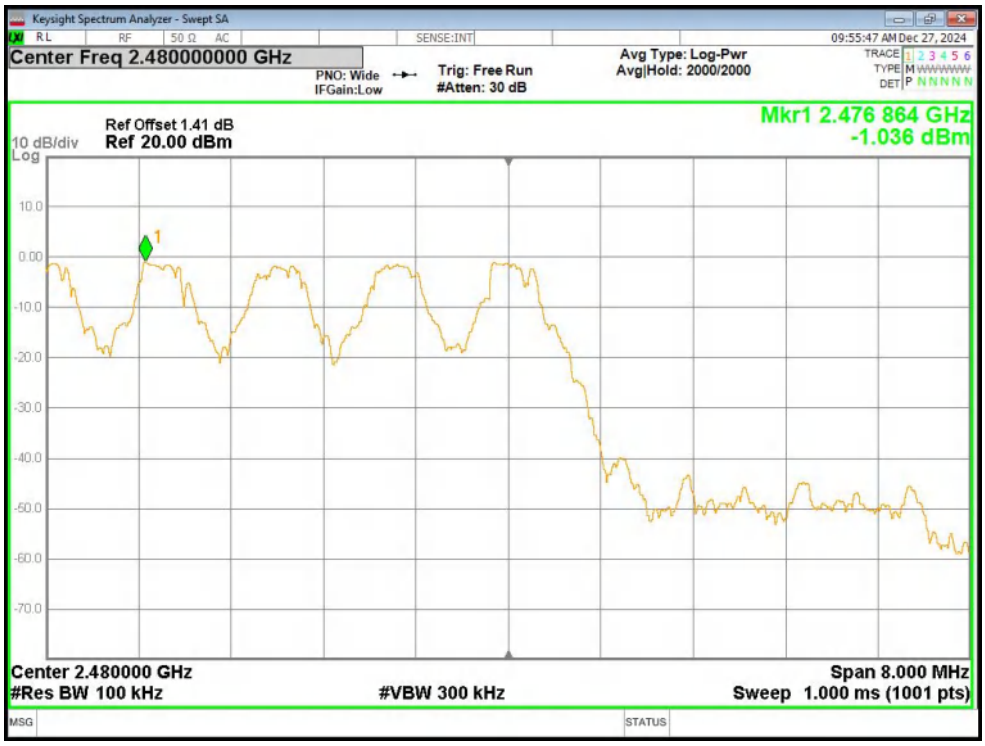
Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
1-DH5	2402	Hopping	-52.76	-20	Pass
1-DH5	2480	Hopping	-43.77	-20	Pass
2-DH5	2402	Hopping	-51.51	-20	Pass
2-DH5	2480	Hopping	-50.81	-20	Pass
3-DH5	2402	Hopping	-52.34	-20	Pass
3-DH5	2480	Hopping	-49.77	-20	Pass

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

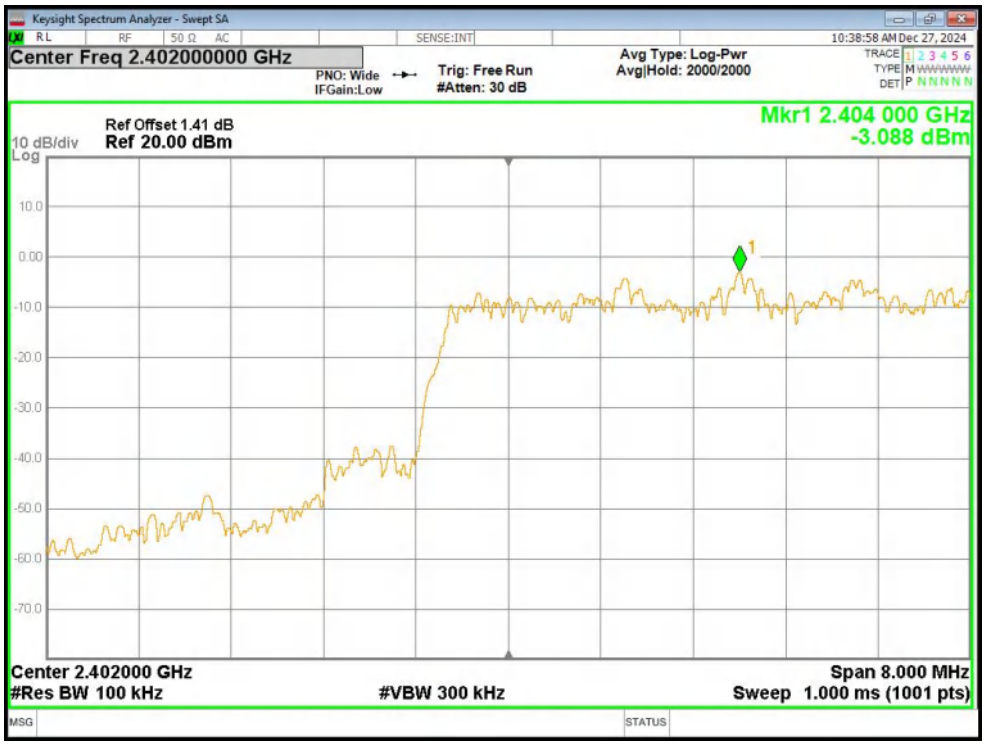
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref

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

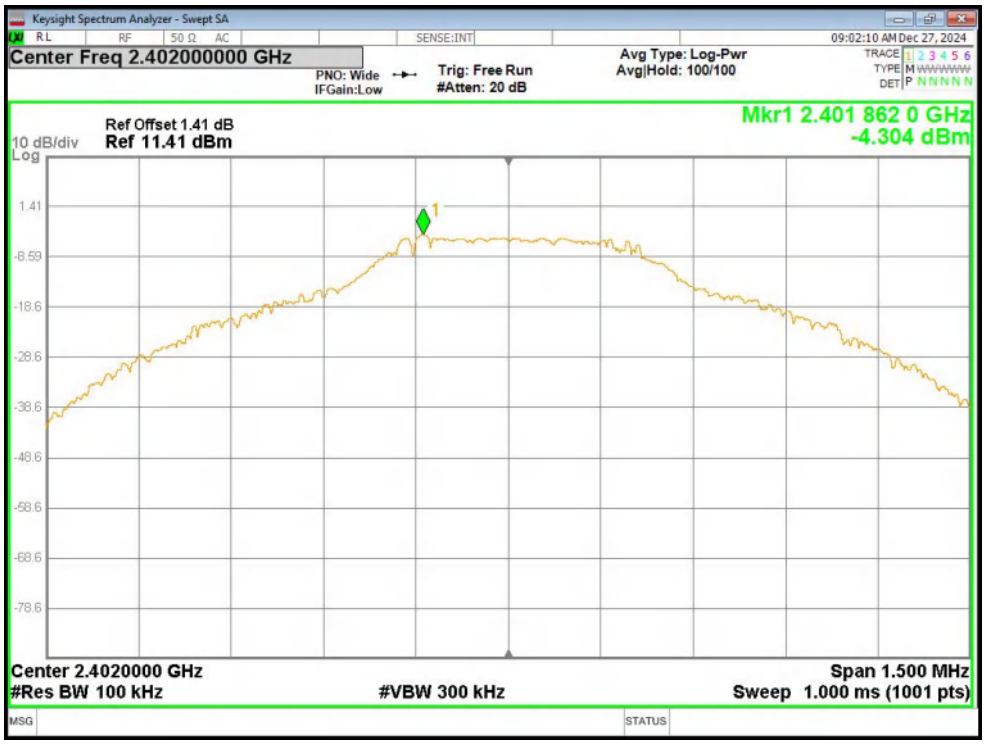
Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission

8.Conducted RF Spurious Emission

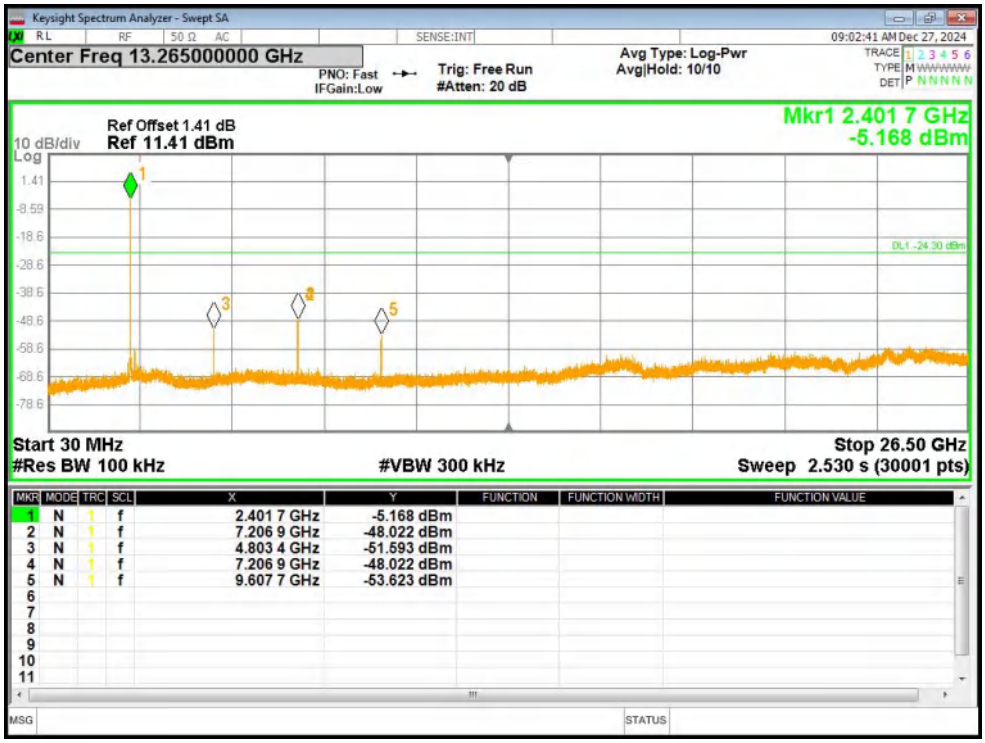
Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
1-DH5	2402	-43.72	-20	Pass
1-DH5	2441	-41.93	-20	Pass
1-DH5	2480	-42.57	-20	Pass
2-DH5	2402	-48.32	-20	Pass
2-DH5	2441	-48.91	-20	Pass
2-DH5	2480	-45.97	-20	Pass
3-DH5	2402	-48.27	-20	Pass
3-DH5	2441	-49.48	-20	Pass
3-DH5	2480	-47.19	-20	Pass

Test Graphs

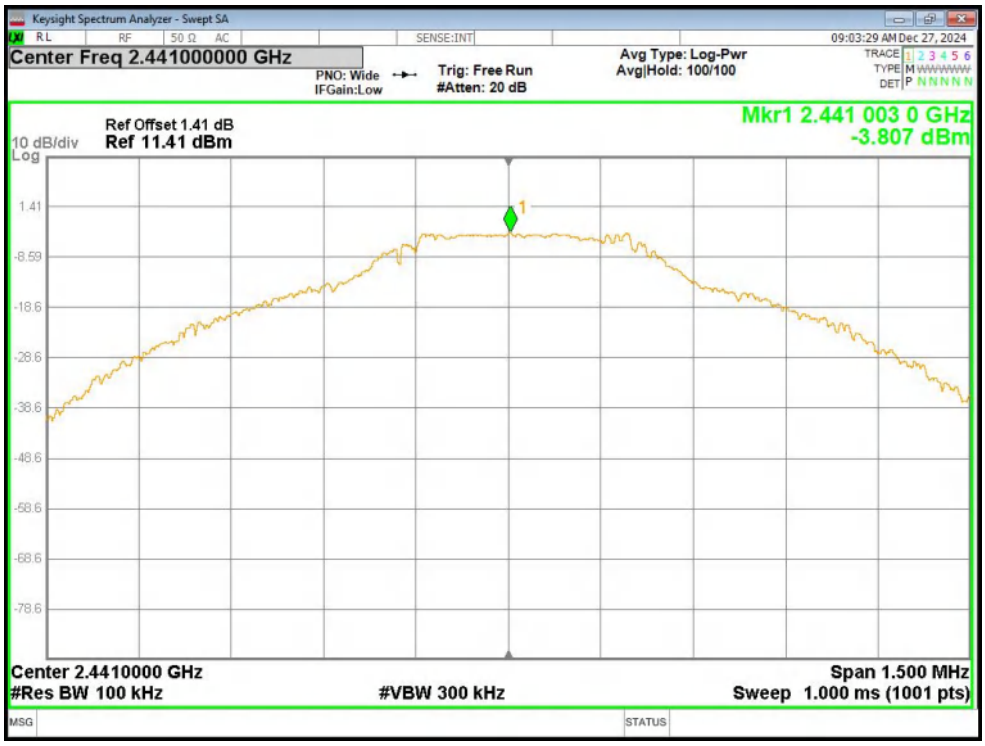
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission

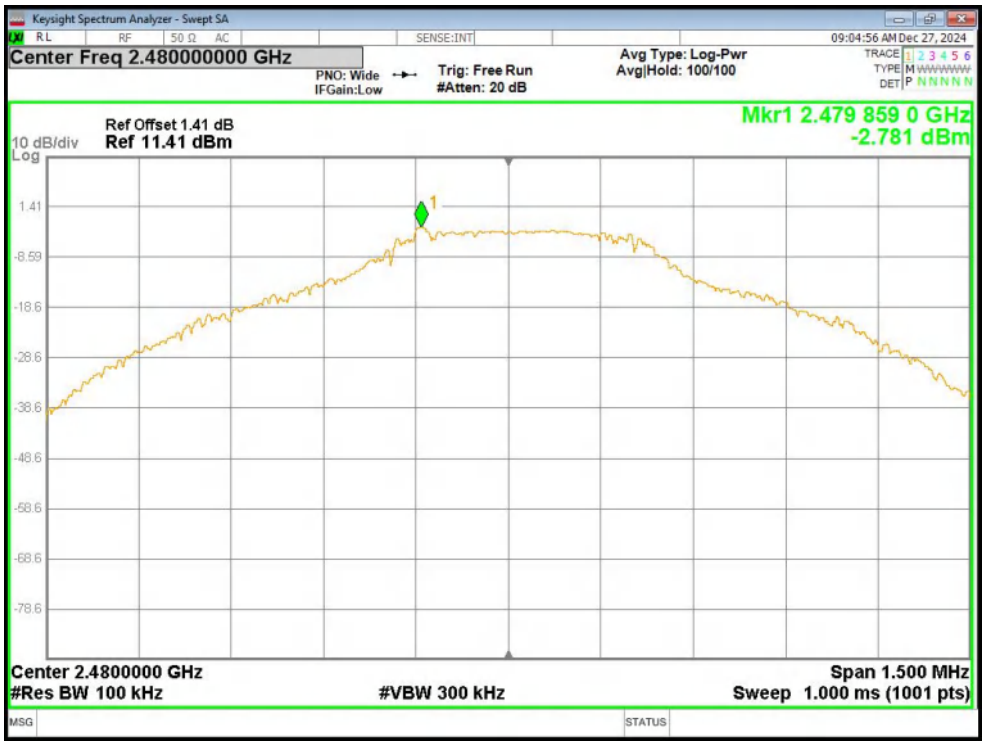


Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



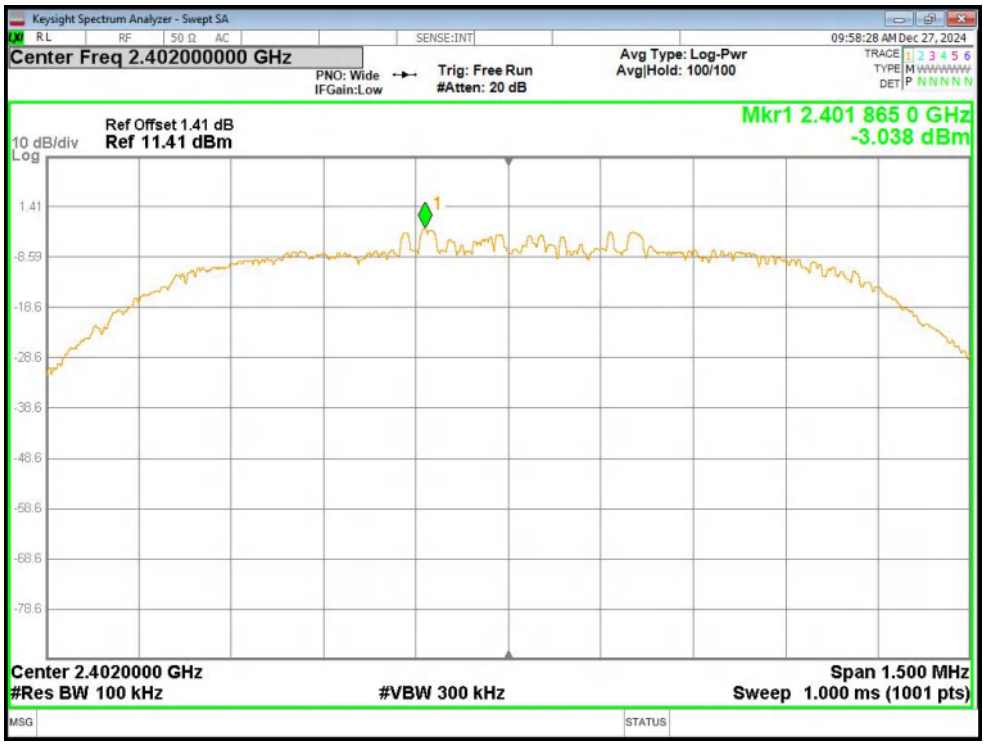
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission

Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref

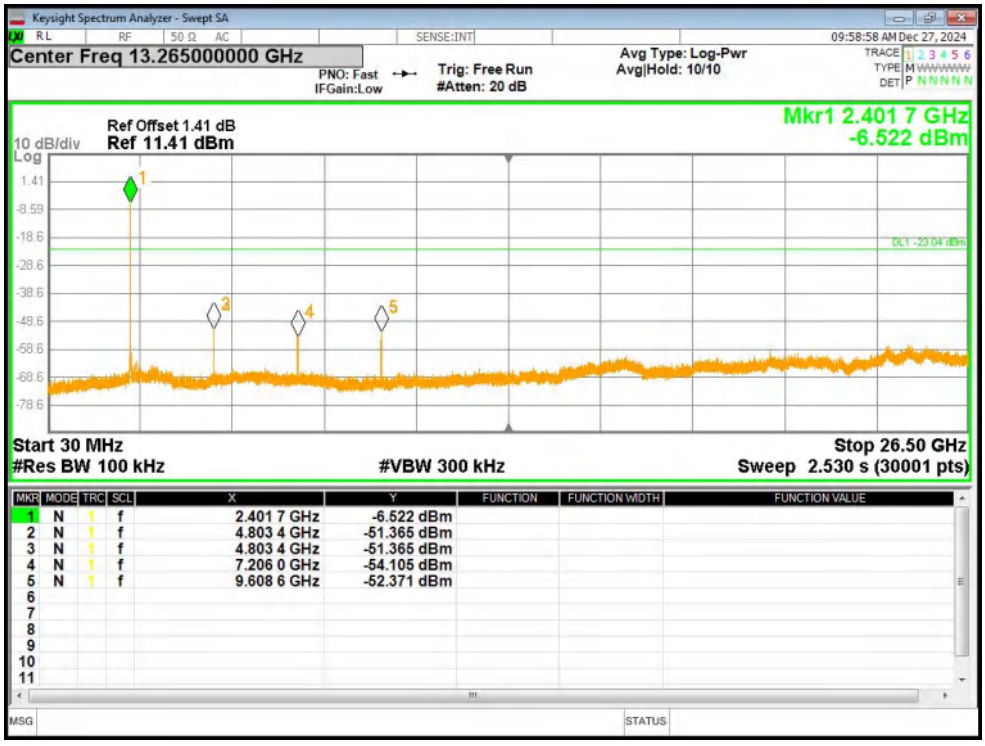


Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission

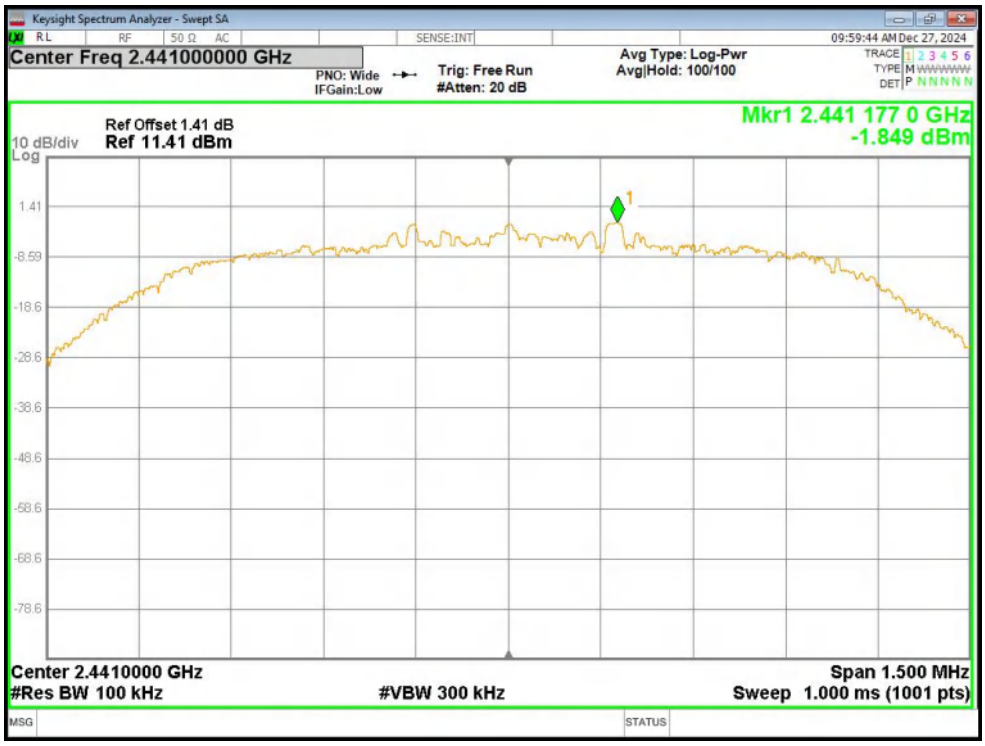
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission

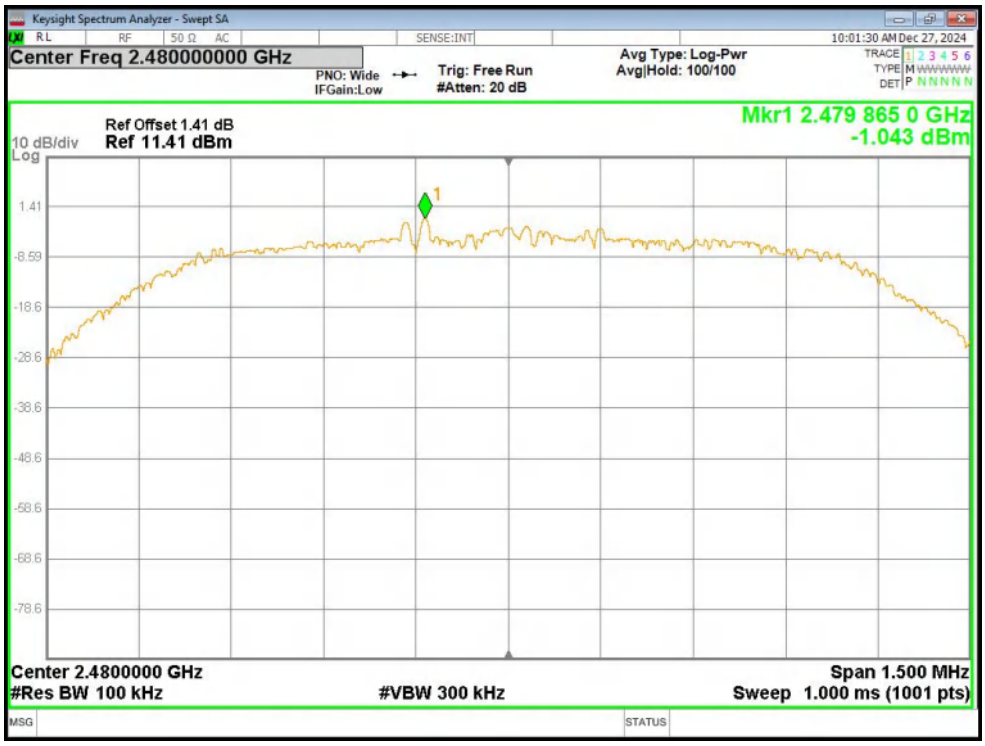


Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



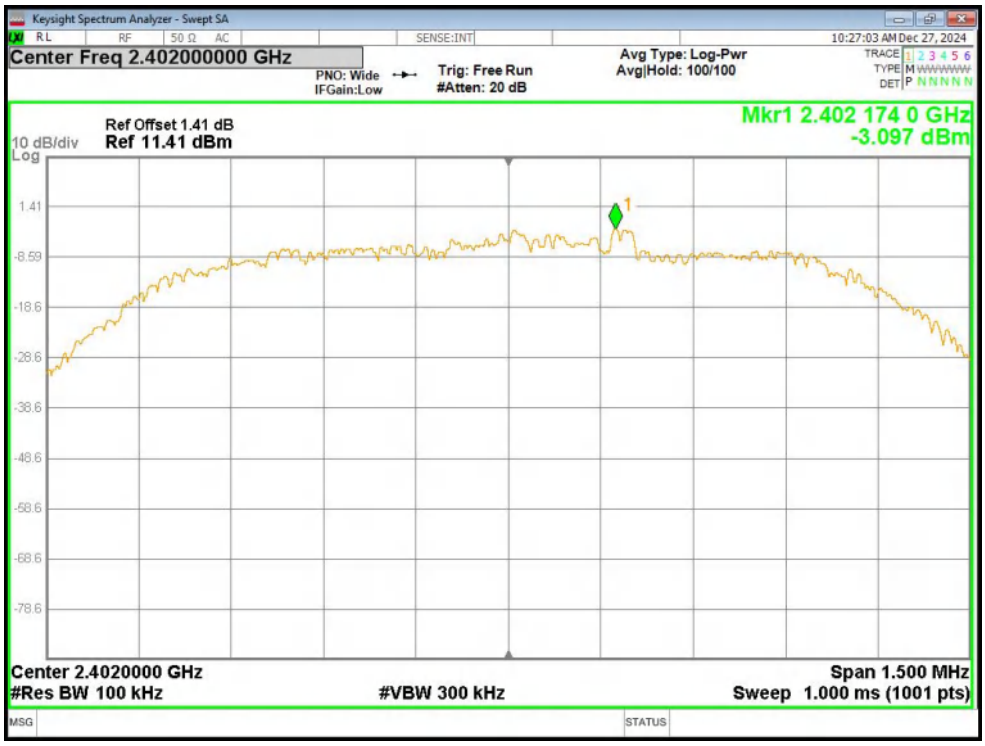
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission

Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref

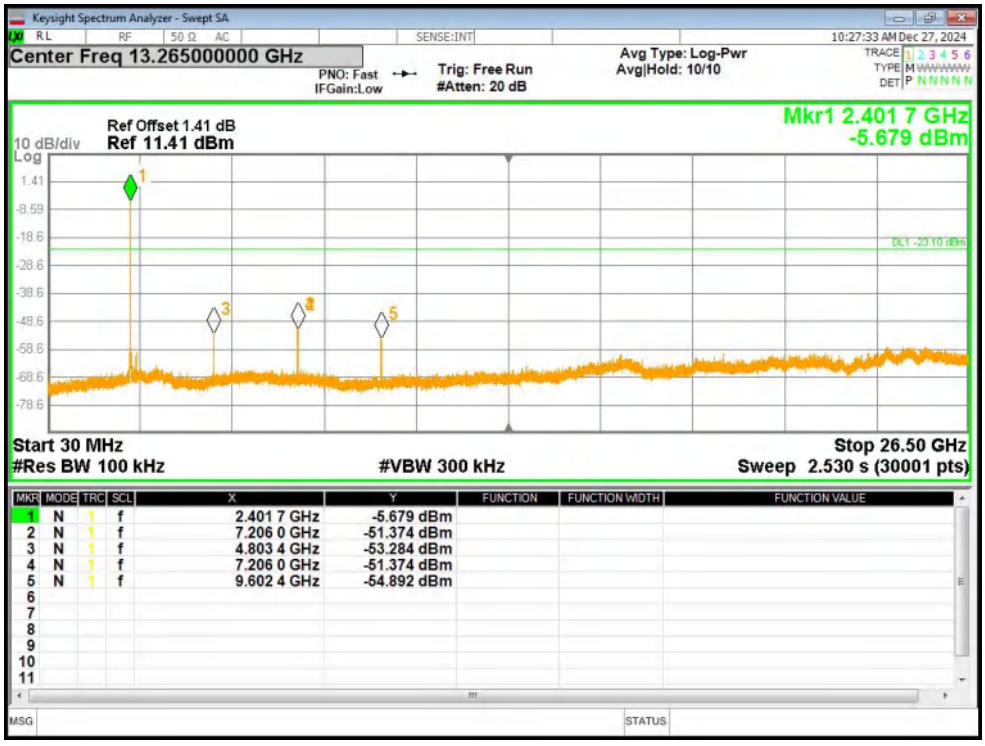


Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission

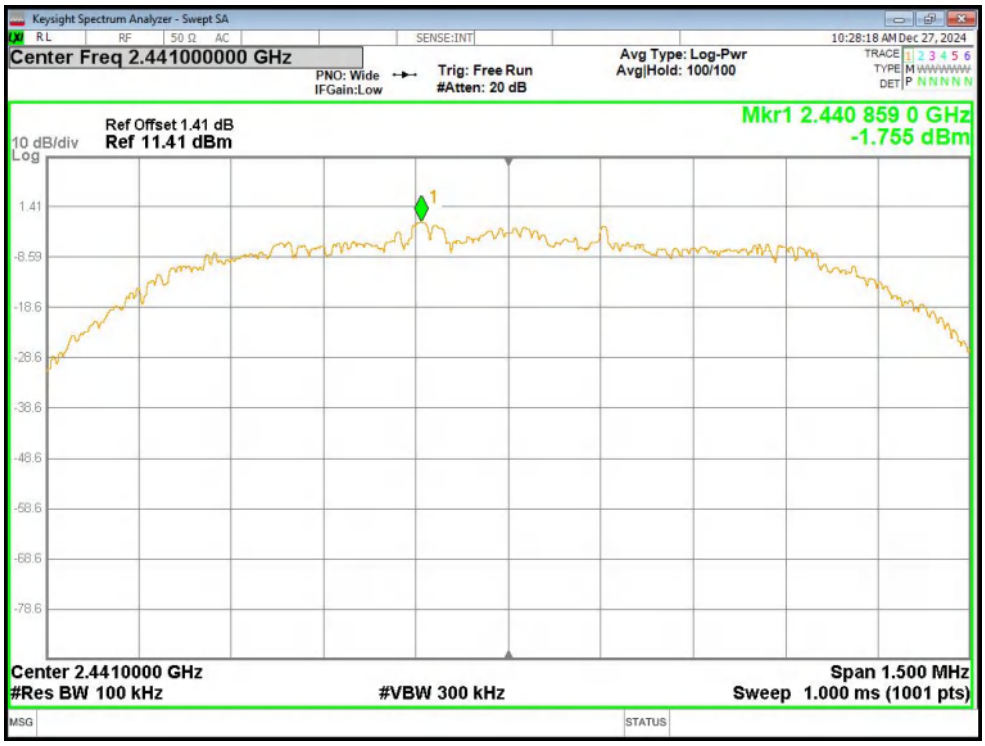
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission

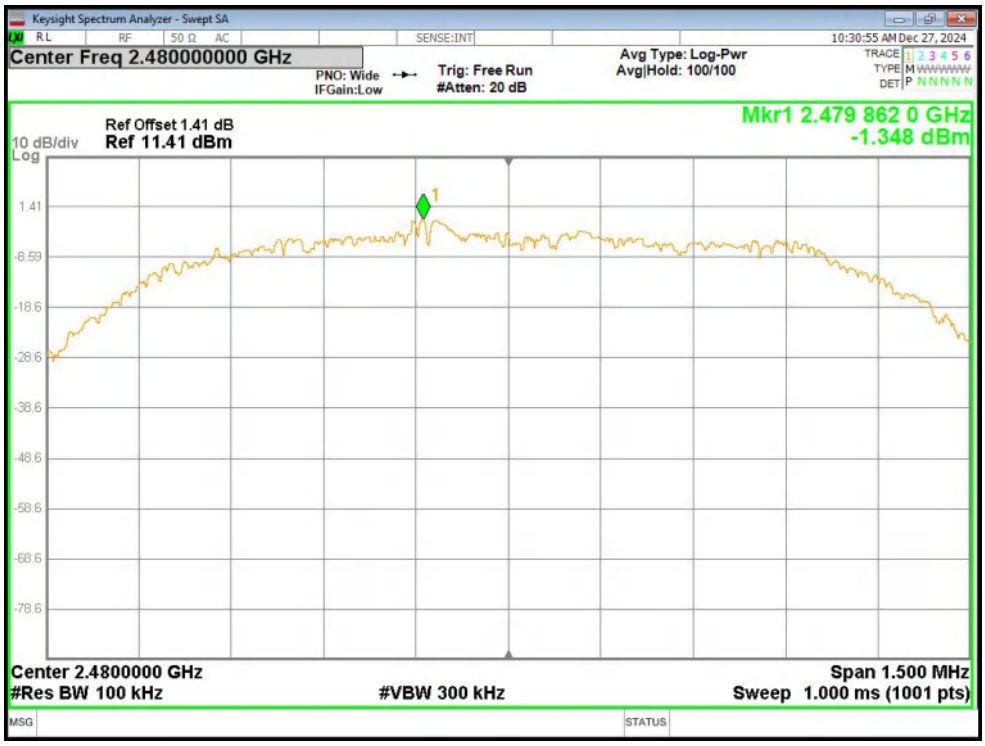


Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission

Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission