Table of Contents

1.Dwell Time 2
2.Maximum Peak Conducted Output Power 12
3.-20dB Bandwidth 18
4.Carrier Frequencies Separation 24
5.Number of Hopping Channel 30
6.Band Edge 36
7.Band Edge(Hopping) 43
8.Conducted RF Spurious Emission 50

FCC_BT(Part15.247) Test Data

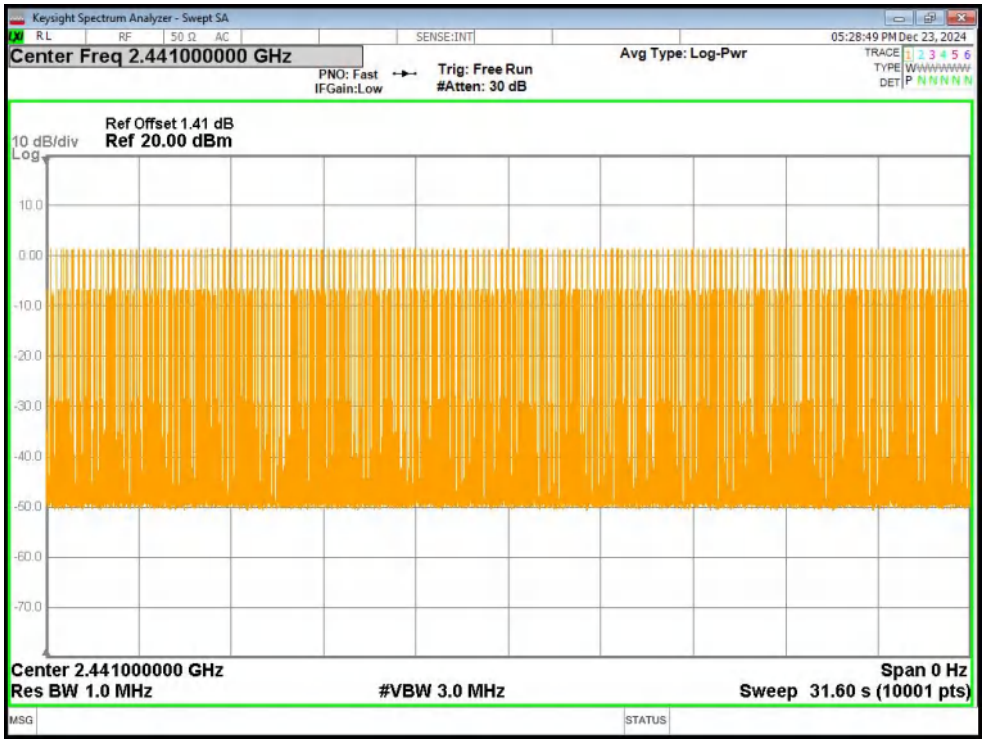
1.Dwell Time

Mode	Frequency (MHz)	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
1-DH1	2441	0.397	125.452	316	31600	400	Pass
1-DH3	2441	1.656	251.712	152	31600	400	Pass
1-DH5	2441	2.902	327.926	113	31600	400	Pass
2-DH1	2441	0.408	128.52	315	31600	400	Pass
2-DH3	2441	1.659	267.099	161	31600	400	Pass
2-DH5	2441	2.891	326.683	113	31600	400	Pass
3-DH1	2441	0.41	129.56	316	31600	400	Pass
3-DH3	2441	1.658	256.99	155	31600	400	Pass
3-DH5	2441	2.908	314.064	108	31600	400	Pass

Test Graphs

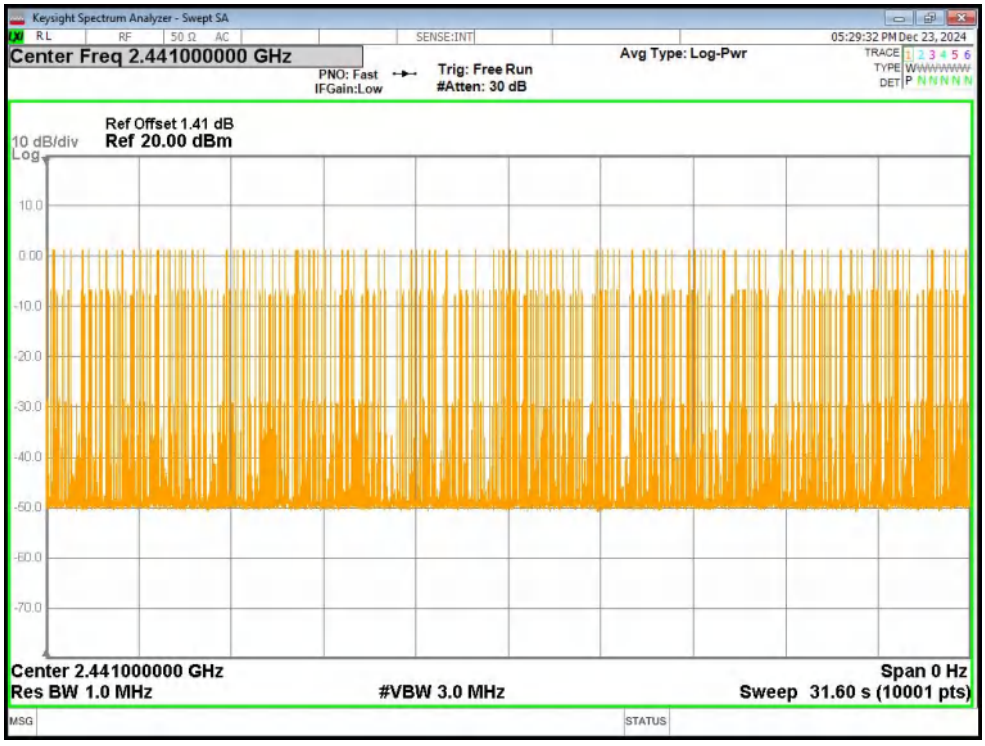
Dwell NVNT 1-DH1 2441MHz Ant1 One Burst

Dwell NVNT 1-DH1 2441MHz Ant1 Accumulated



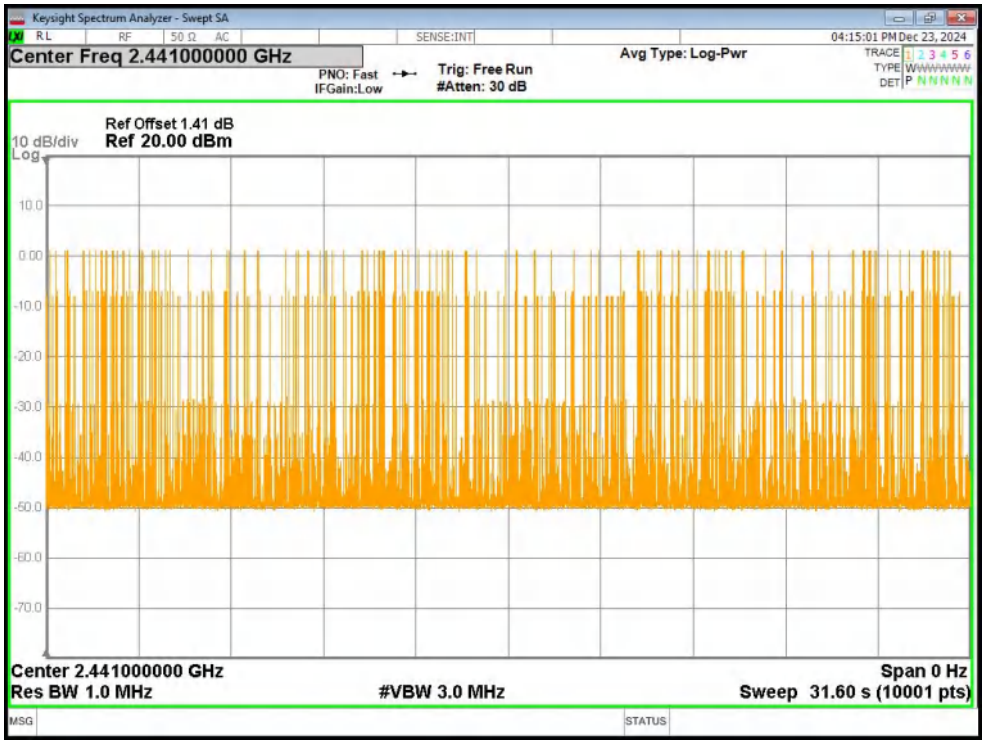
Dwell NVNT 1-DH3 2441MHz Ant1 One Burst

Dwell NVNT 1-DH3 2441MHz Ant1 Accumulated



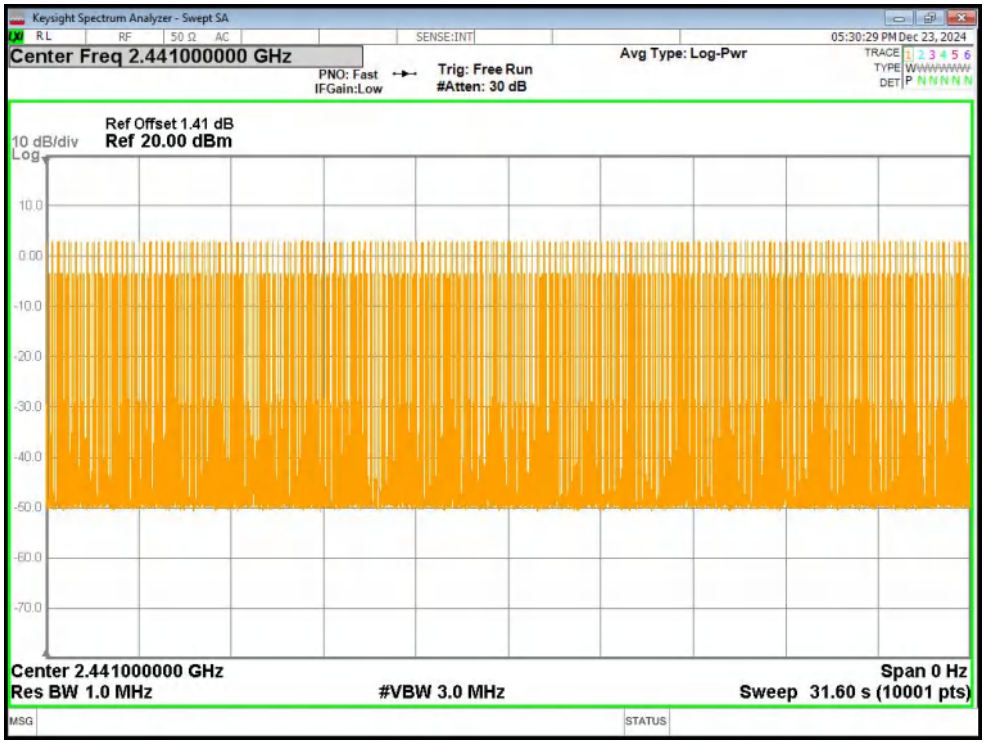
Dwell NVNT 1-DH5 2441MHz Ant1 One Burst

Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated



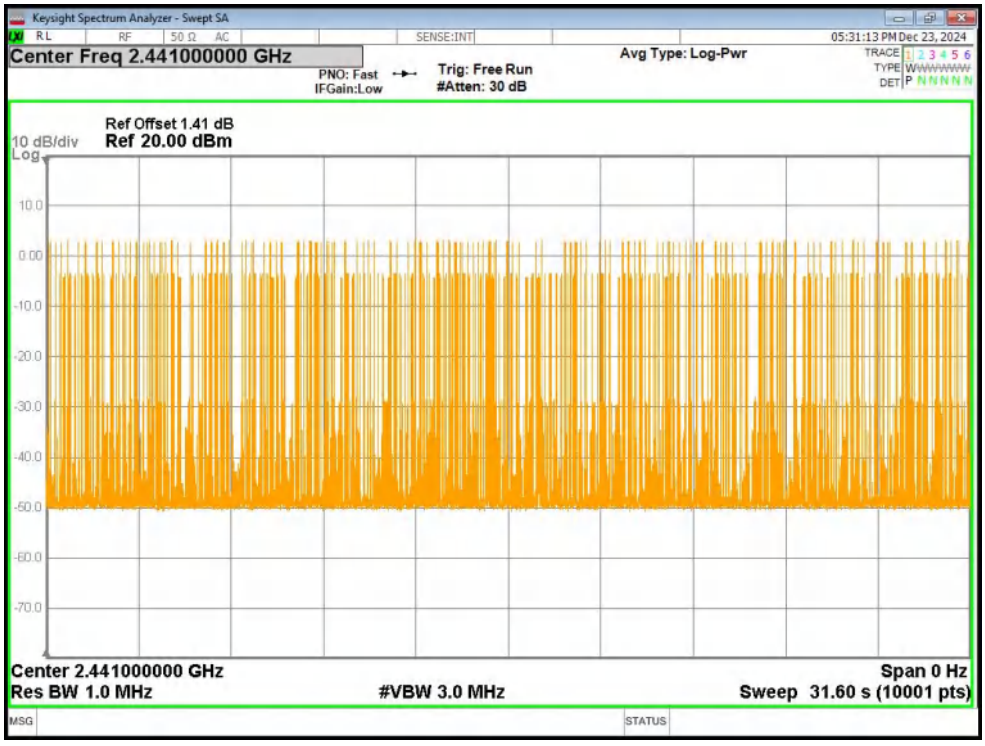
Dwell NVNT 2-DH1 2441MHz Ant1 One Burst

Dwell NVNT 2-DH1 2441MHz Ant1 Accumulated



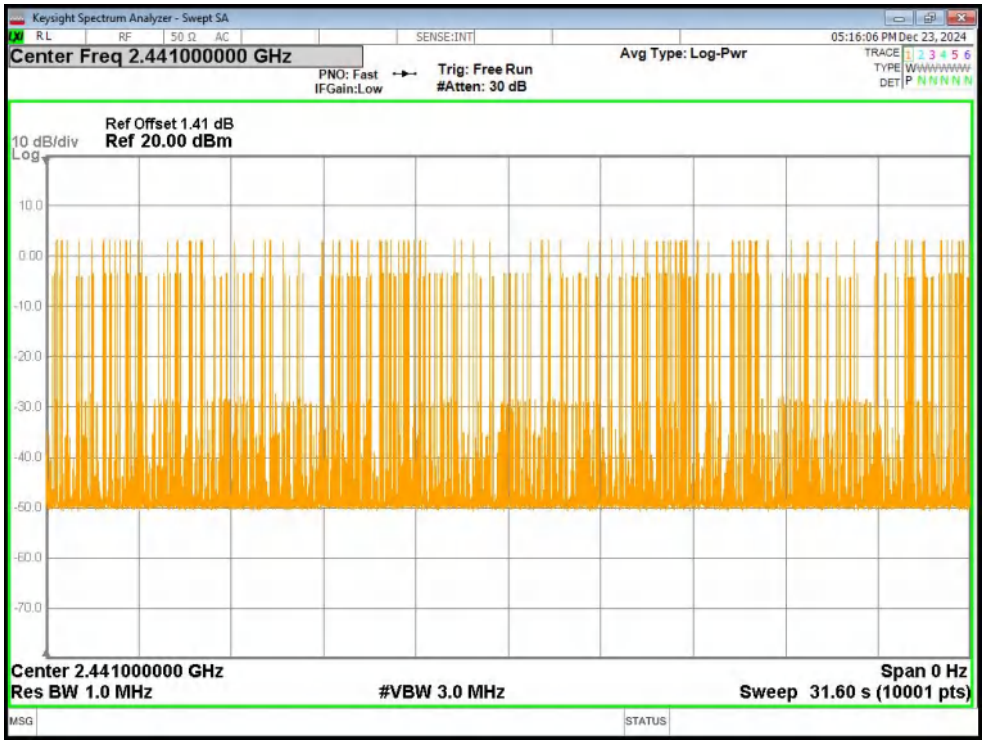
Dwell NVNT 2-DH3 2441MHz Ant1 One Burst

Dwell NVNT 2-DH3 2441MHz Ant1 Accumulated



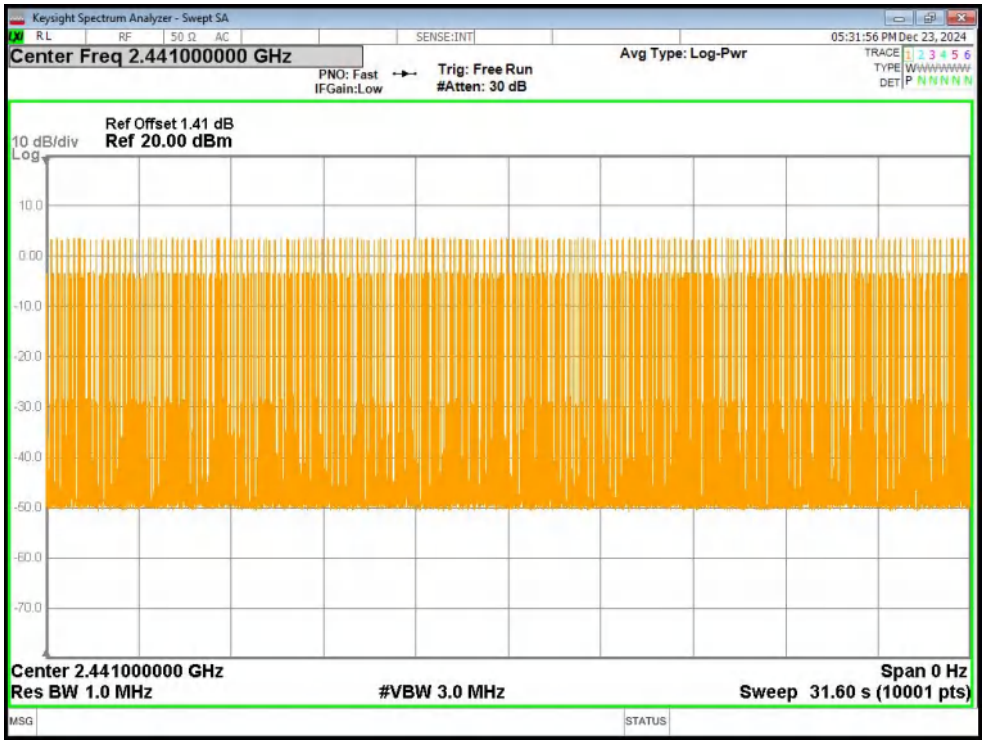
Dwell NVNT 2-DH5 2441MHz Ant1 One Burst

Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated



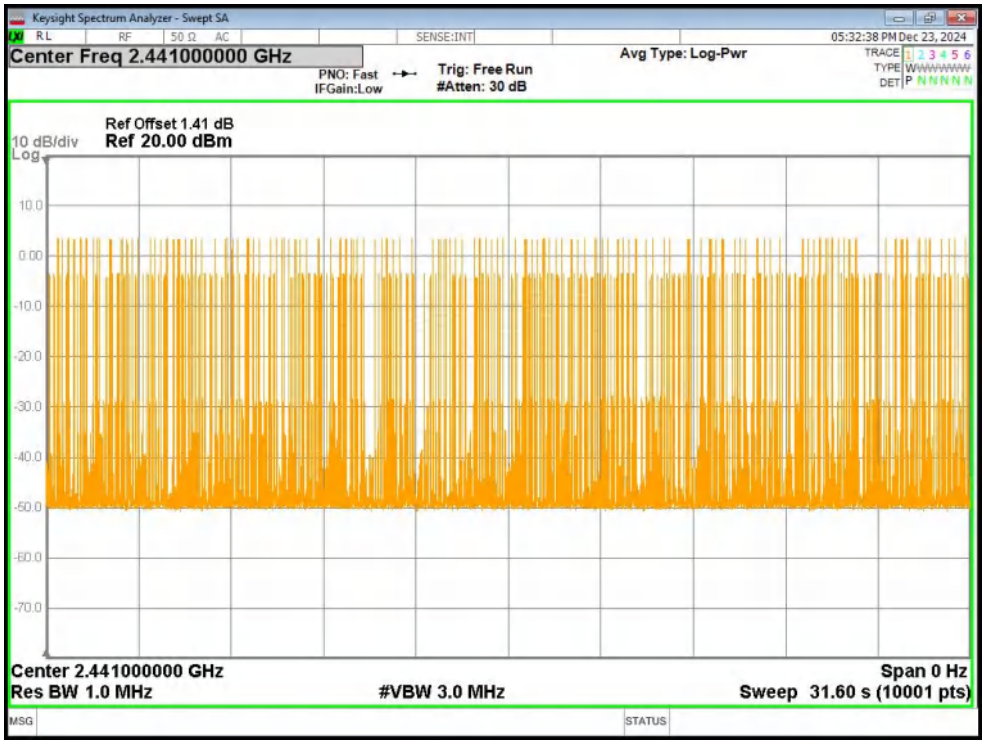
Dwell NVNT 3-DH1 2441MHz Ant1 One Burst

Dwell NVNT 3-DH1 2441MHz Ant1 Accumulated



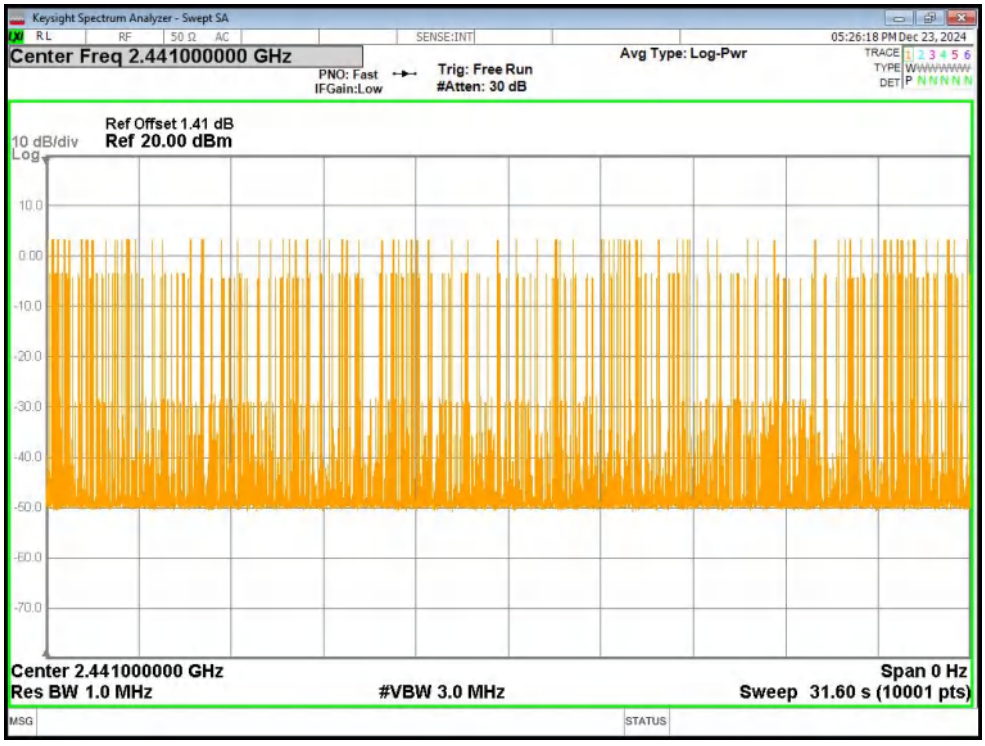
Dwell NVNT 3-DH3 2441MHz Ant1 One Burst

Dwell NVNT 3-DH3 2441MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2441MHz Ant1 One Burst

Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated

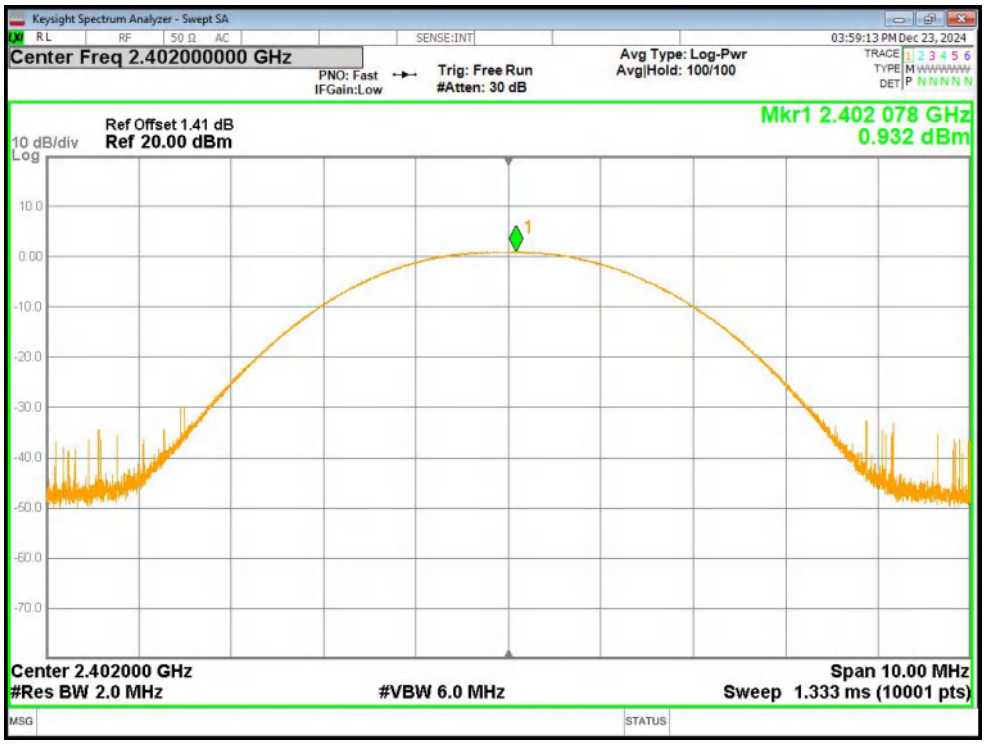


2.Maximum Peak Conducted Output Power

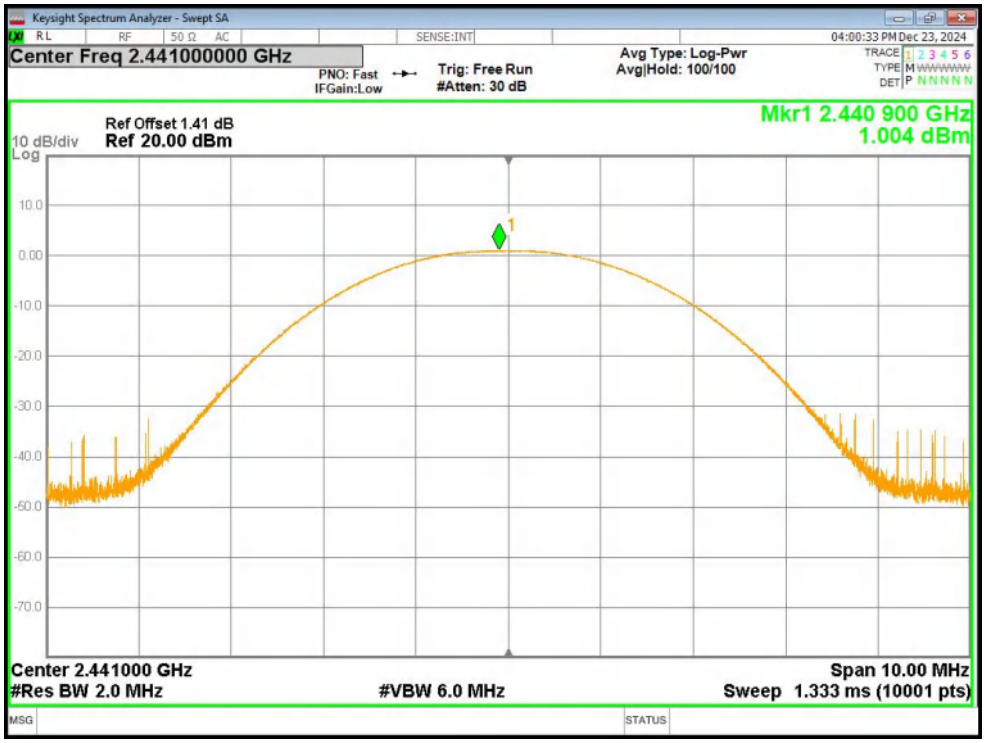
Mode	Frequency (MHz)	Total Power (dBm)	Limit (dBm)	Verdict
1-DH5	2402	0.93	30	Pass
1-DH5	2441	1.00	30	Pass
1-DH5	2480	0.62	30	Pass
2-DH5	2402	2.95	21	Pass
2-DH5	2441	3.00	21	Pass
2-DH5	2480	2.79	21	Pass
3-DH5	2402	3.44	21	Pass
3-DH5	2441	3.64	21	Pass
3-DH5	2480	3.37	21	Pass

Test Graphs

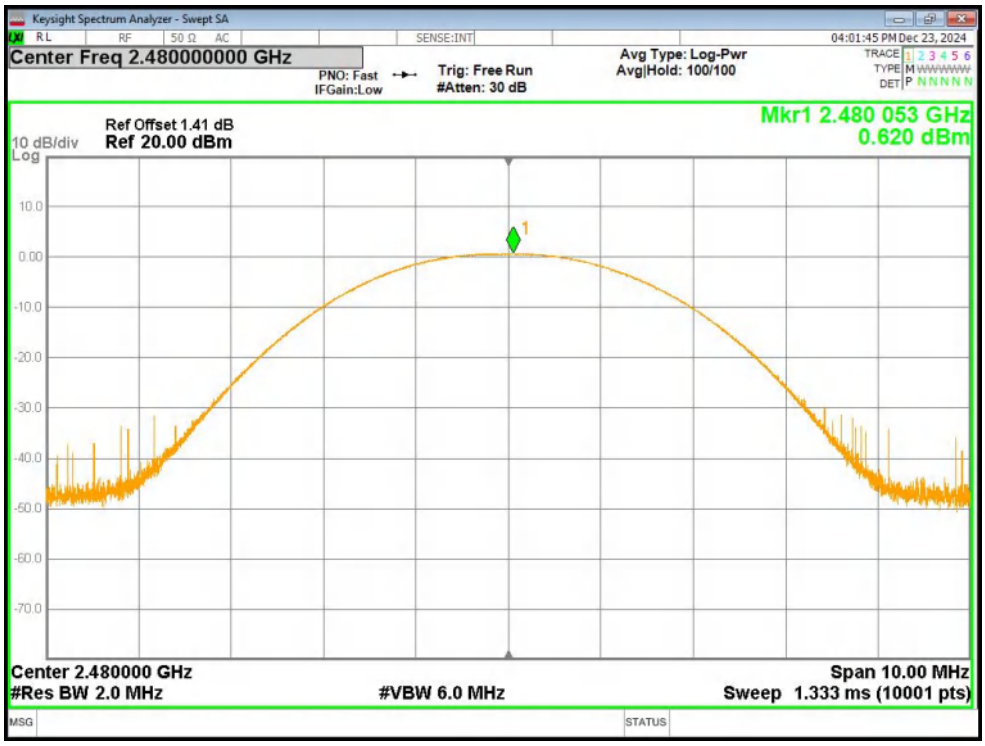
Peak Power NVNT 1-DH5 2402MHz Ant1



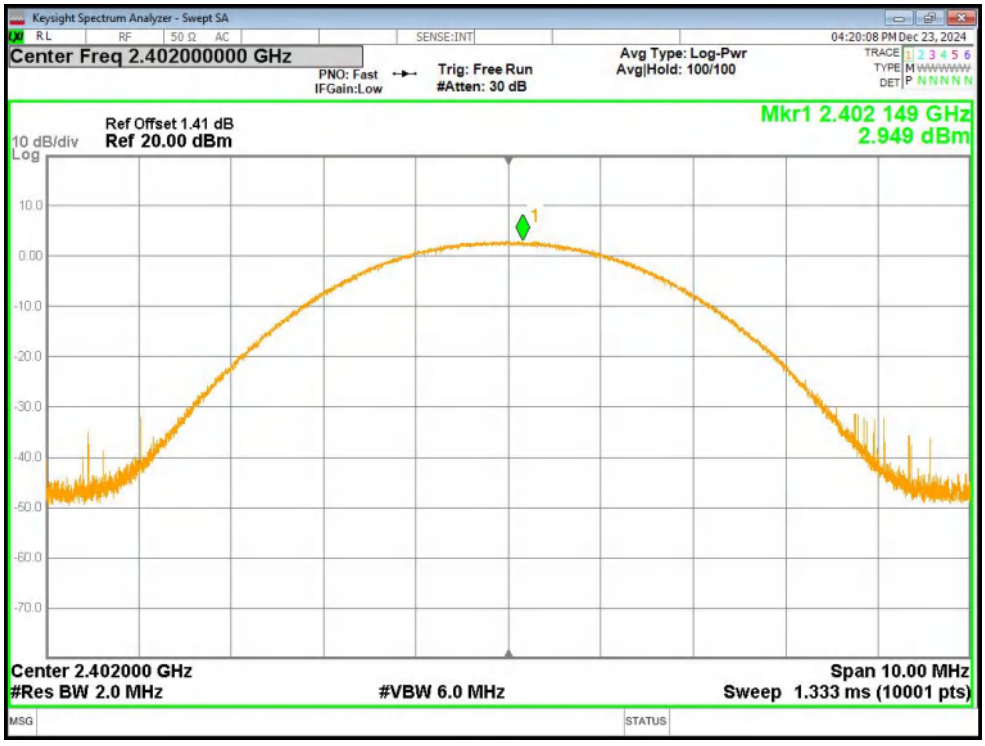
Peak Power NVNT 1-DH5 2441MHz Ant1



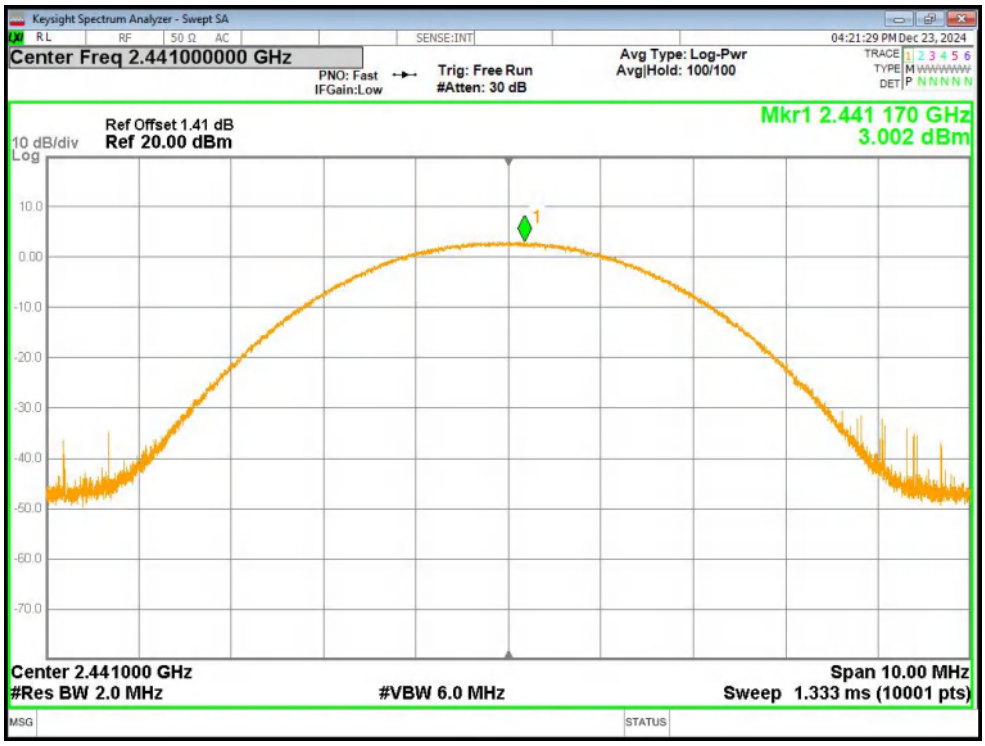
Peak Power NVNT 1-DH5 2480MHz Ant1



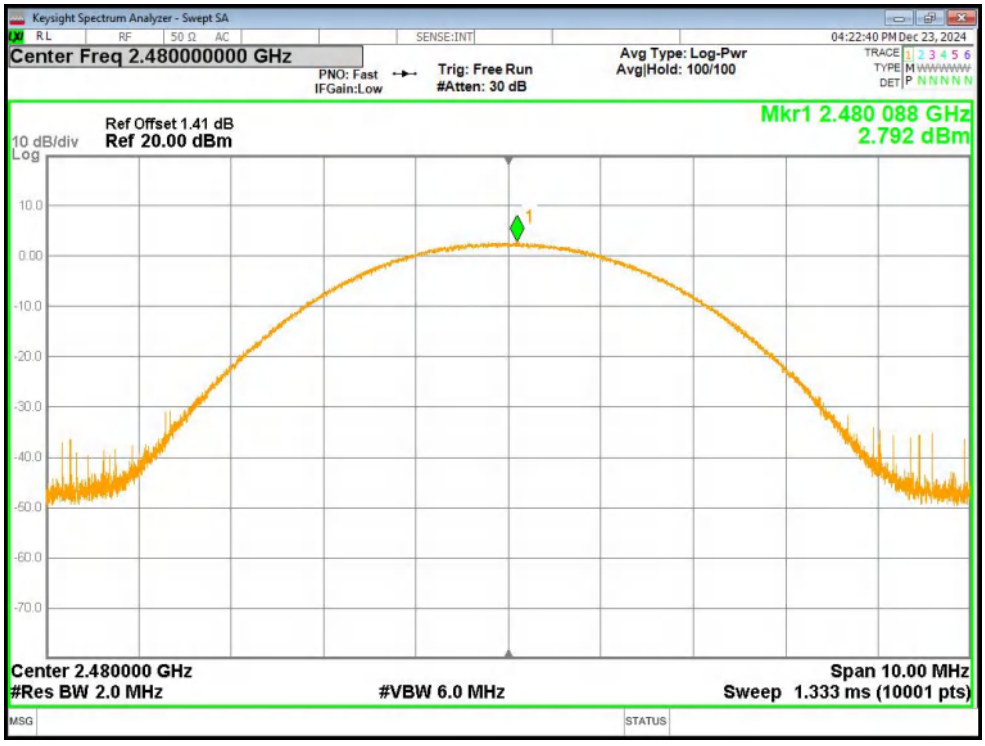
Peak Power NVNT 2-DH5 2402MHz Ant1



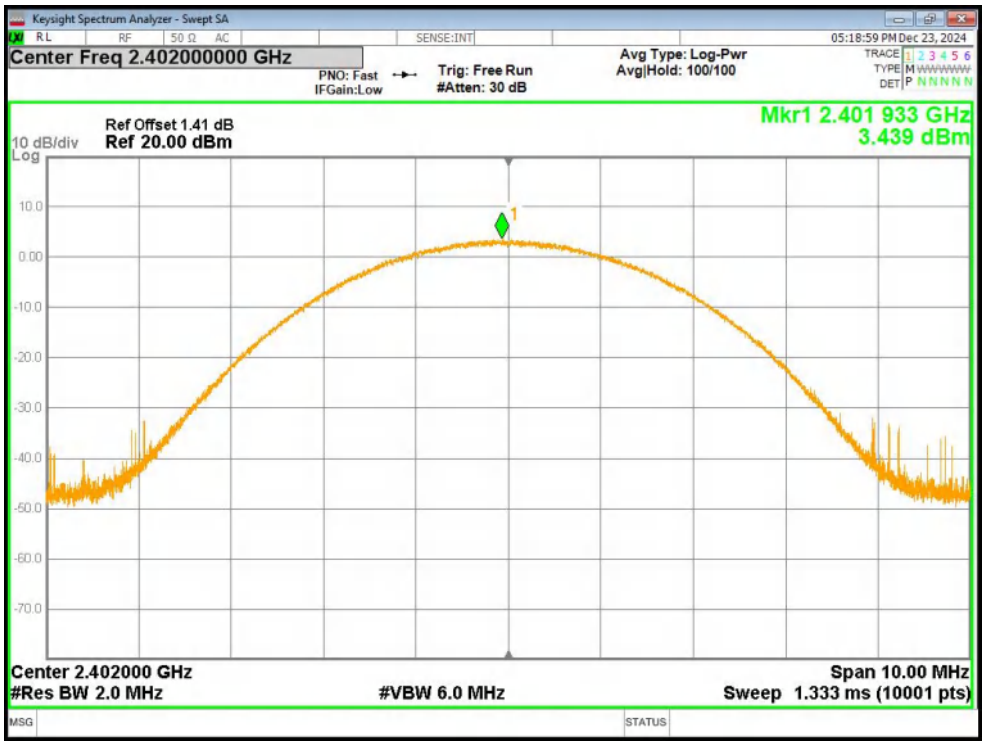
Peak Power NVNT 2-DH5 2441MHz Ant1



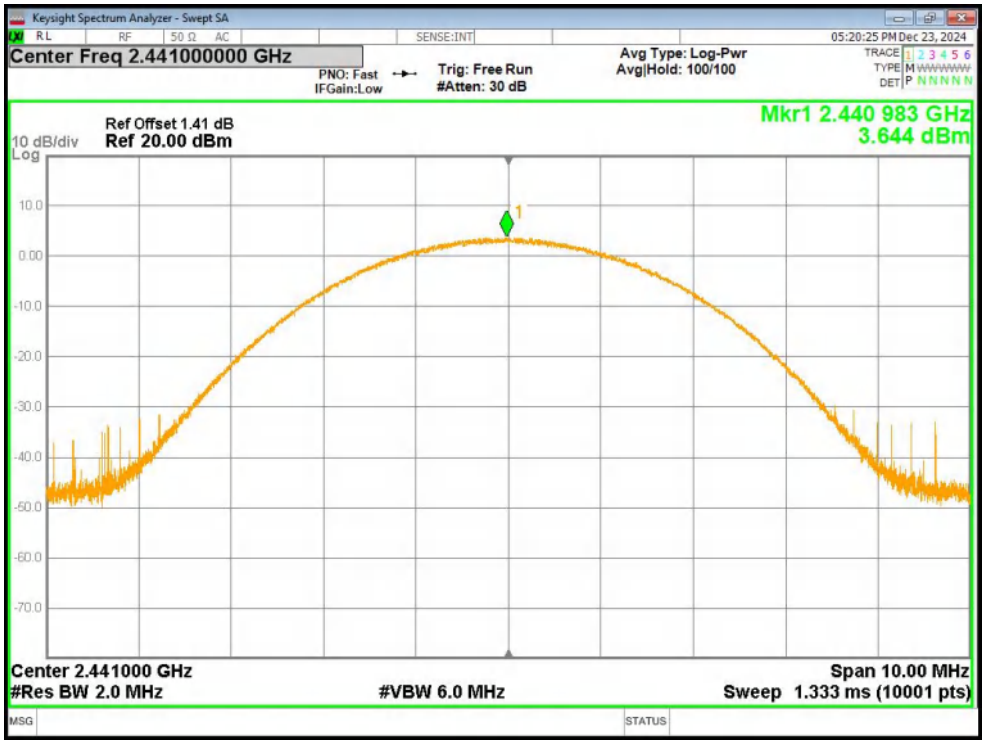
Peak Power NVNT 2-DH5 2480MHz Ant1



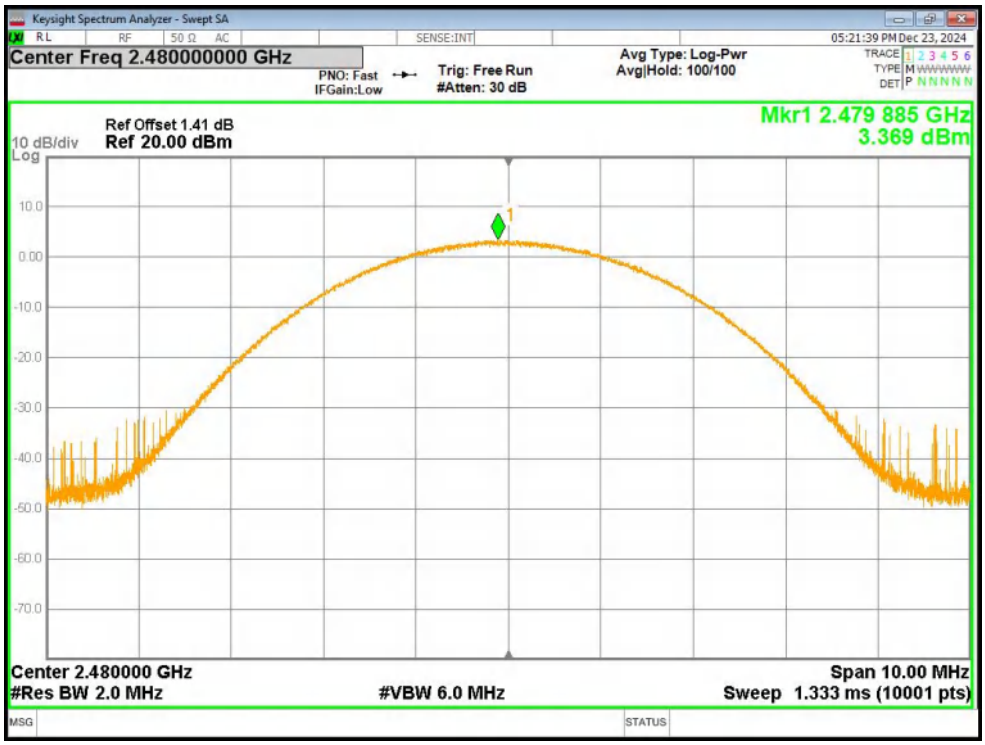
Peak Power NVNT 3-DH5 2402MHz Ant1



Peak Power NVNT 3-DH5 2441MHz Ant1



Peak Power NVNT 3-DH5 2480MHz Ant1

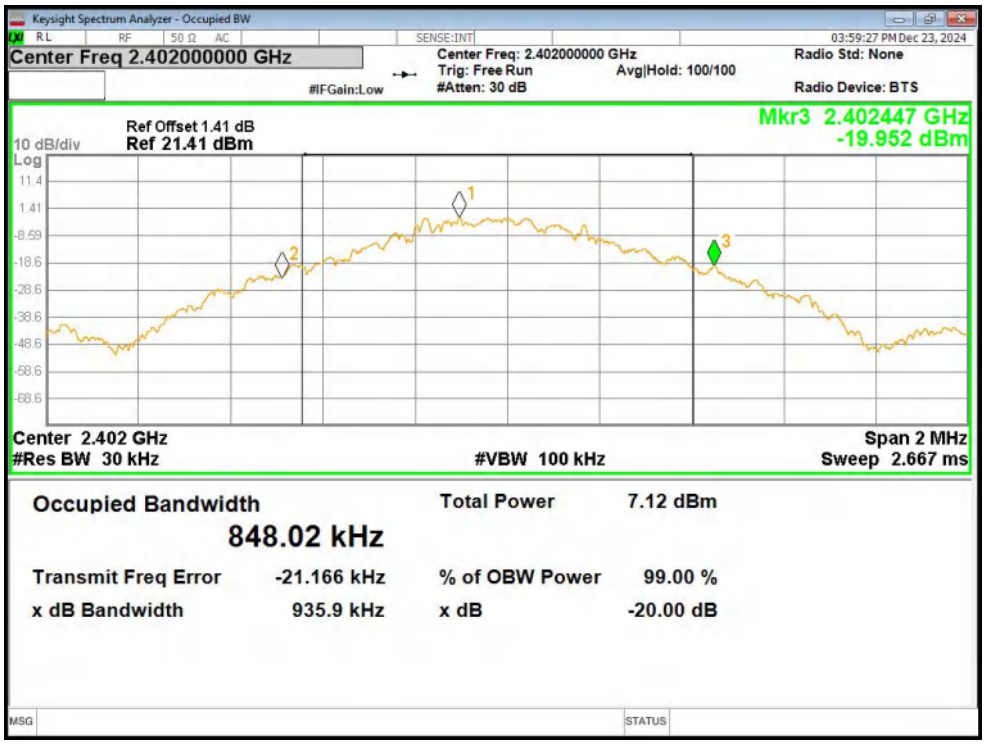


3.-20dB Bandwidth

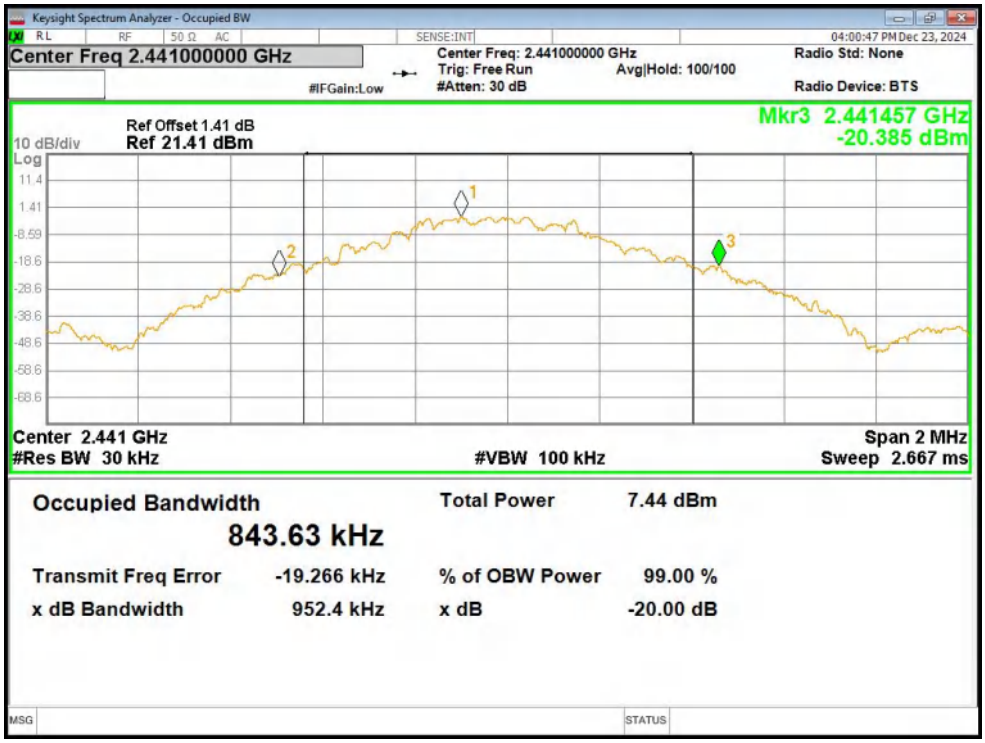
Mode	Frequency (MHz)	-20 dB Bandwidth (MHz)	Verdict
1-DH5	2402	0.936	Pass
1-DH5	2441	0.952	Pass
1-DH5	2480	0.947	Pass
2-DH5	2402	1.307	Pass
2-DH5	2441	1.313	Pass
2-DH5	2480	1.275	Pass
3-DH5	2402	1.303	Pass
3-DH5	2441	1.298	Pass
3-DH5	2480	1.293	Pass

Test Graphs

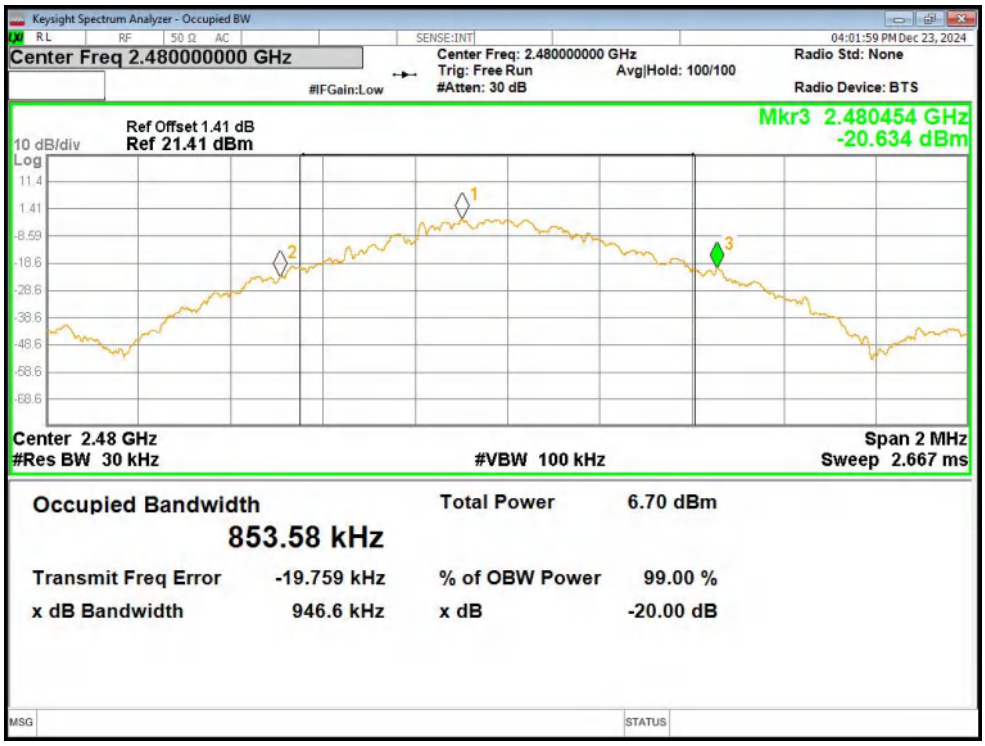
-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



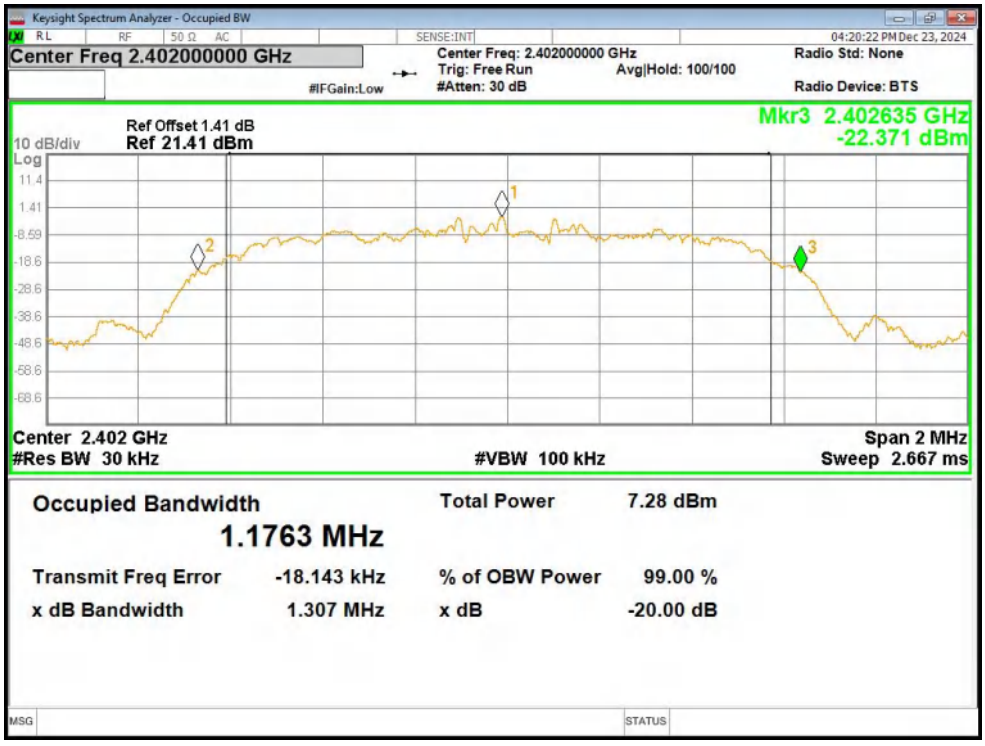
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



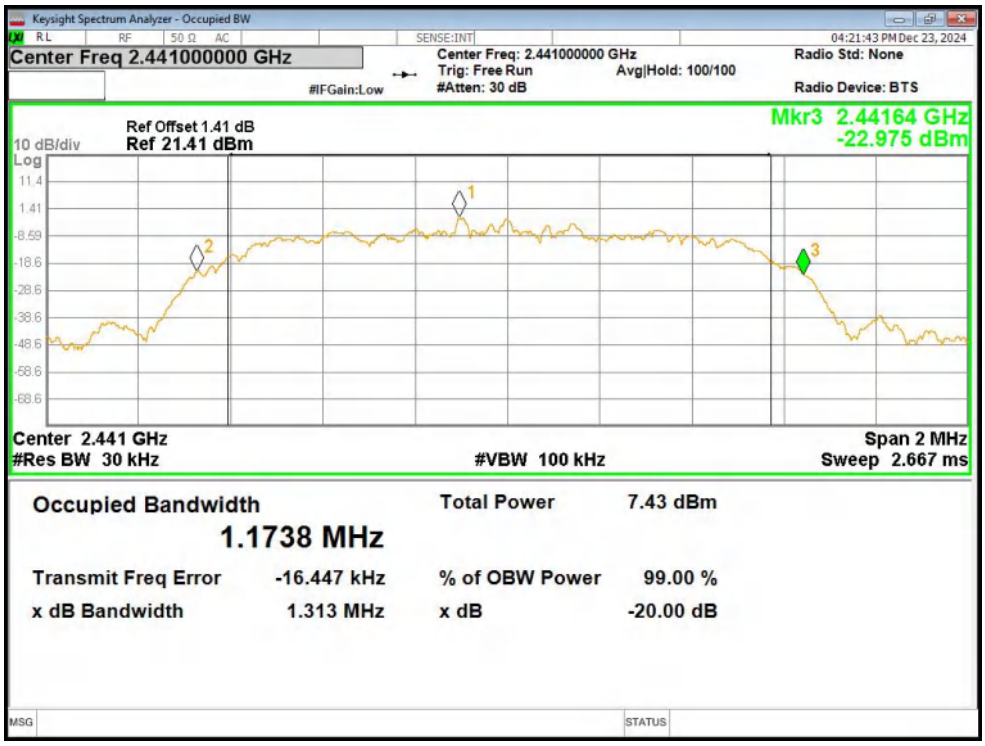
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



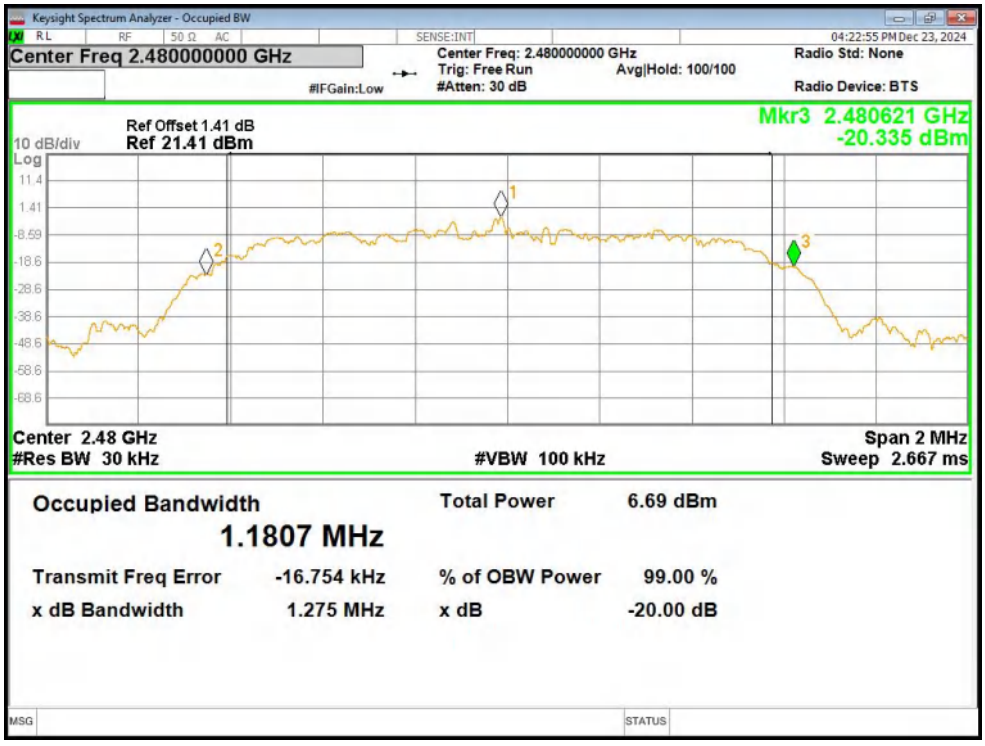
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



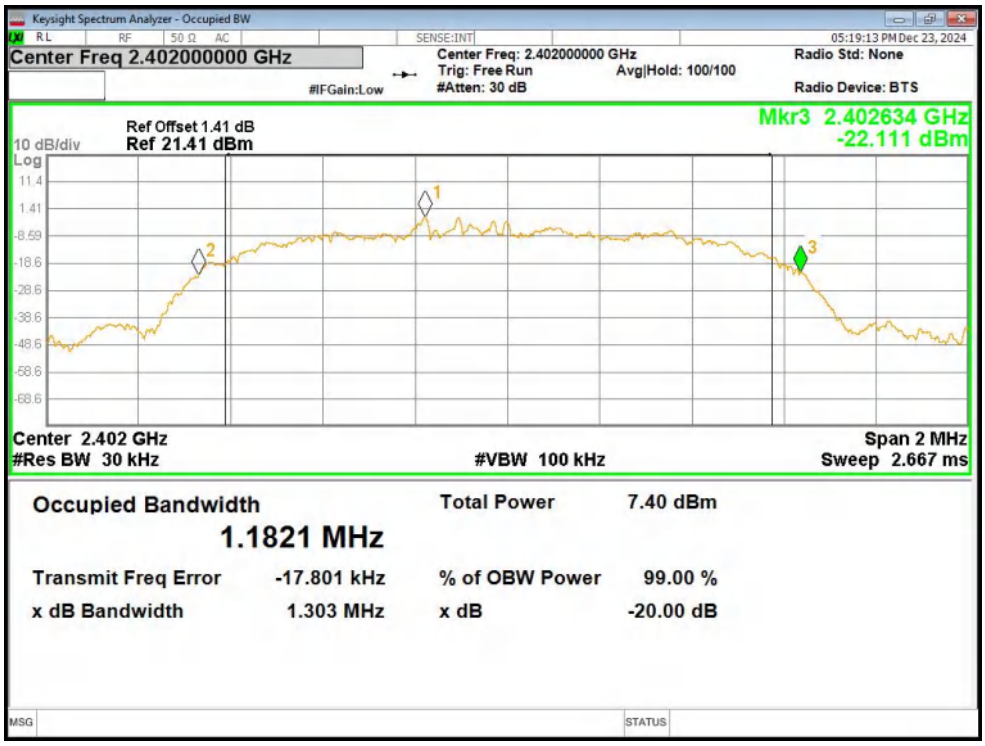
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



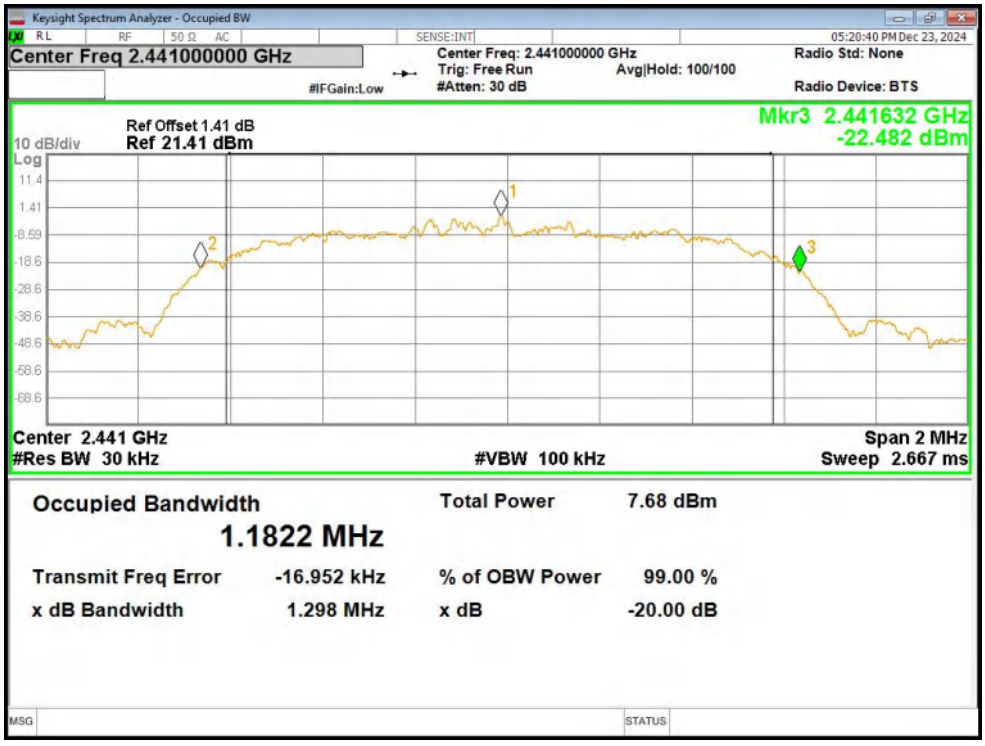
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



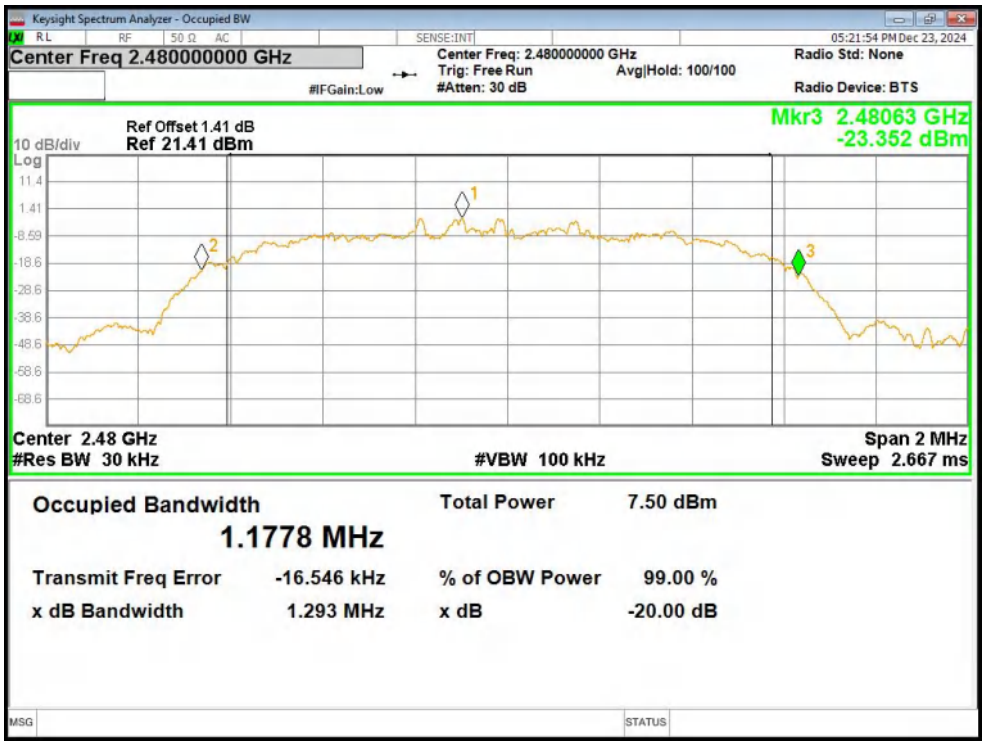
-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1

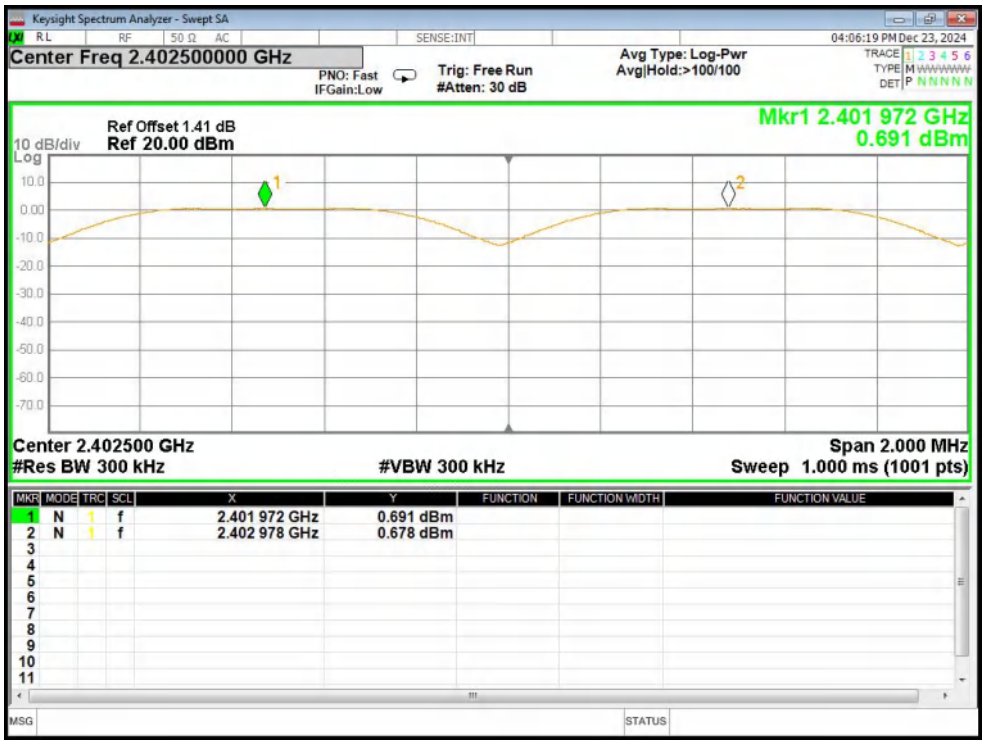


4.Carrier Frequencies Separation

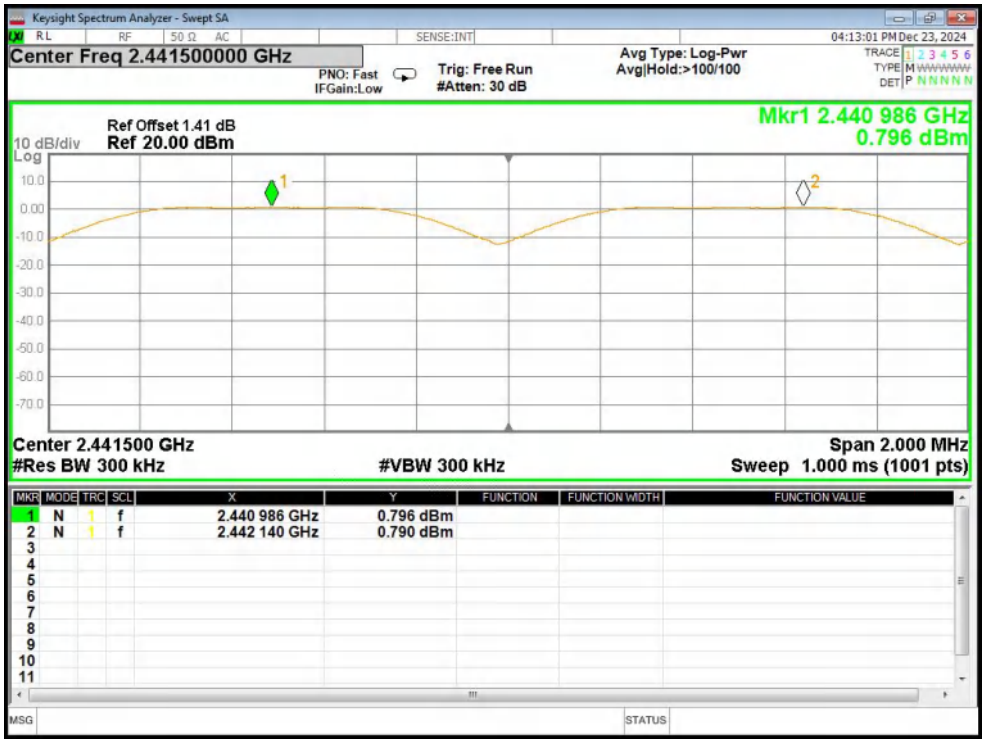
Mode	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
1-DH5	2401.972	2402.978	1.006	0.936	Pass
1-DH5	2440.986	2442.14	1.154	0.952	Pass
1-DH5	2478.98	2479.98	1.000	0.947	Pass
2-DH5	2402.116	2403.148	1.032	0.871	Pass
2-DH5	2441.108	2442.132	1.024	0.875	Pass
2-DH5	2479.138	2480.146	1.008	0.85	Pass
3-DH5	2402.138	2403.144	1.006	0.869	Pass
3-DH5	2440.83	2442.128	1.298	0.865	Pass
3-DH5	2479.132	2480.002	0.870	0.862	Pass

Test Graphs

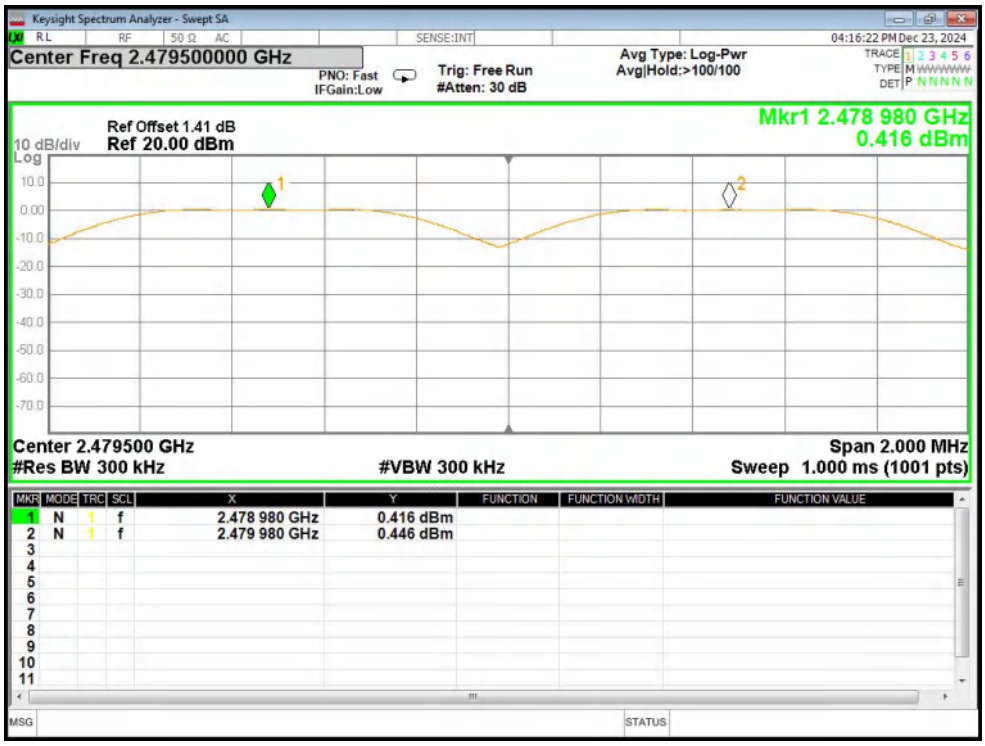
CFS NVNT 1-DH5 2402MHz Ant1



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

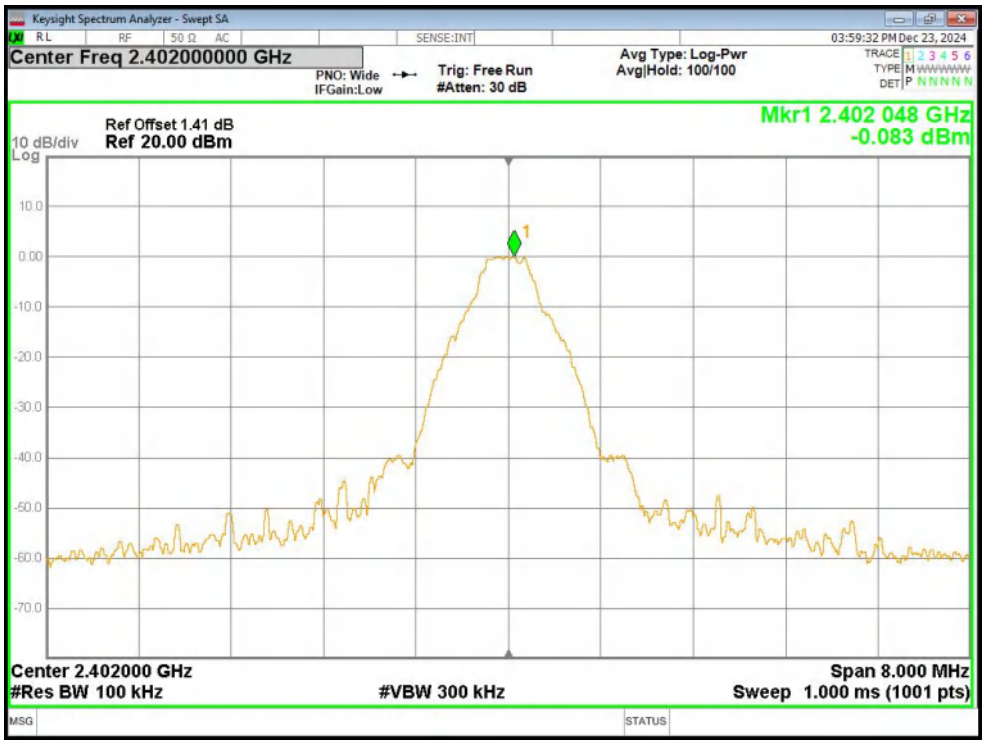
Hopping No. NVNT 3-DH5 2480MHz Ant1

6.Band Edge

Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
1-DH5	2402	No-Hopping	-52.61	-20	Pass
1-DH5	2480	No-Hopping	-57.02	-20	Pass
2-DH5	2402	No-Hopping	-49.64	-20	Pass
2-DH5	2480	No-Hopping	-55.97	-20	Pass
3-DH5	2402	No-Hopping	-52.01	-20	Pass
3-DH5	2480	No-Hopping	-57.09	-20	Pass

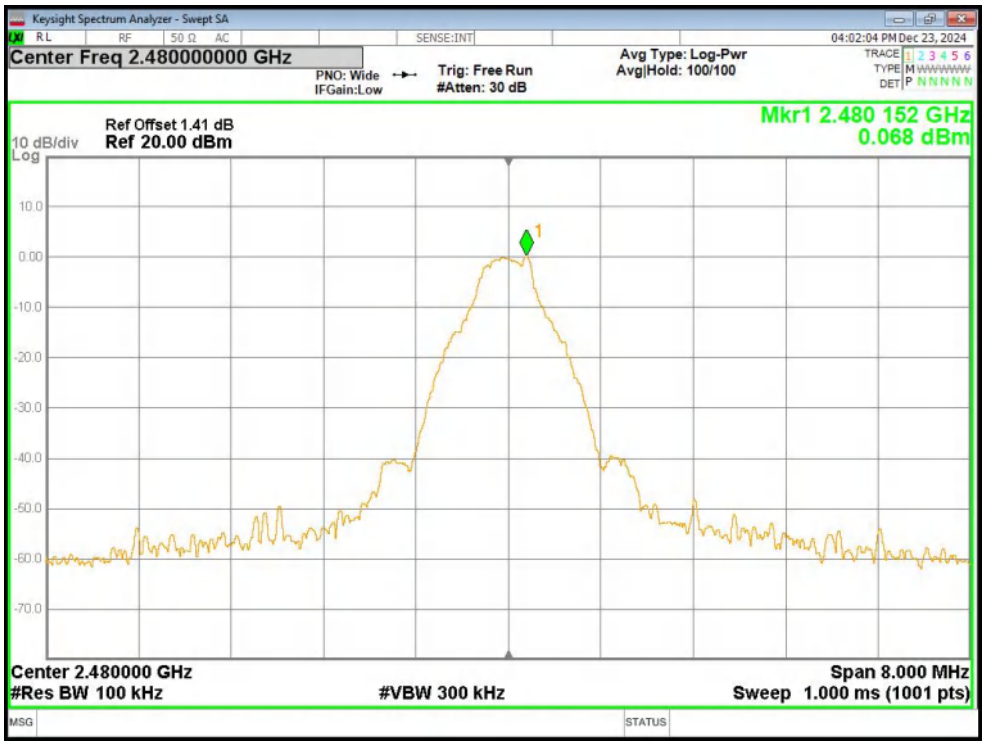
Test Graphs

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



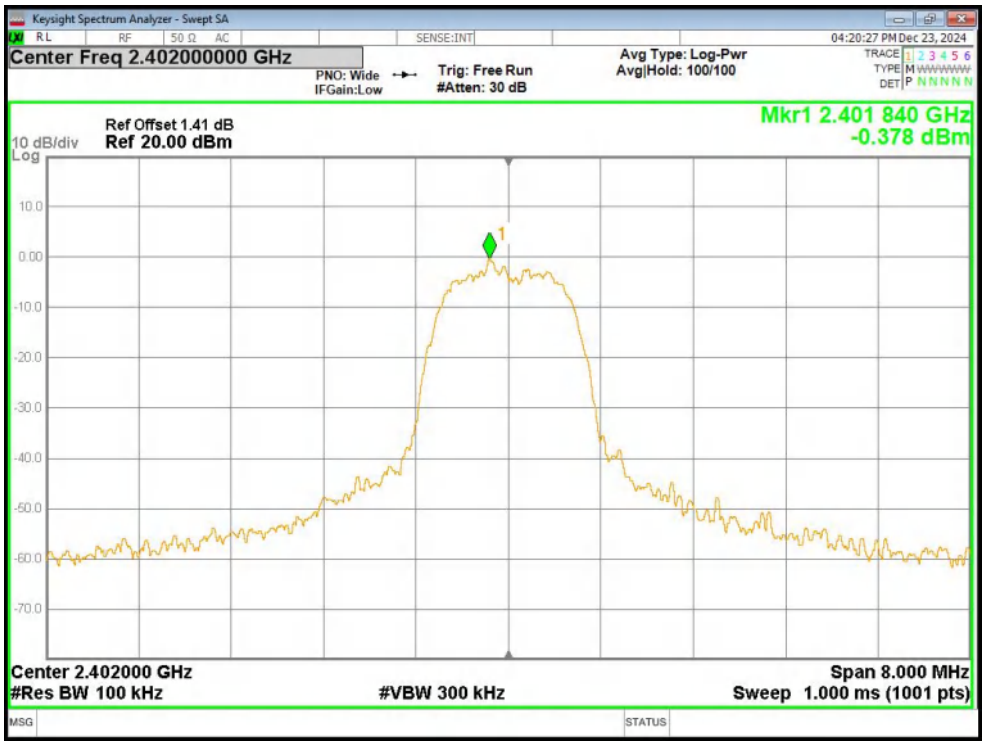
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

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



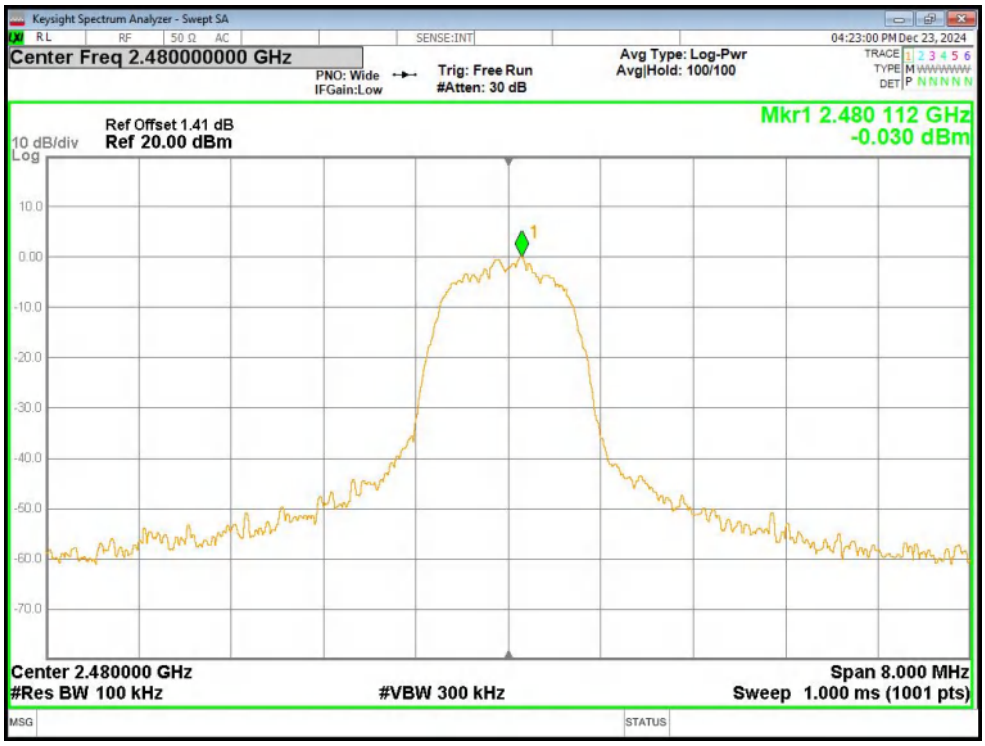
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

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

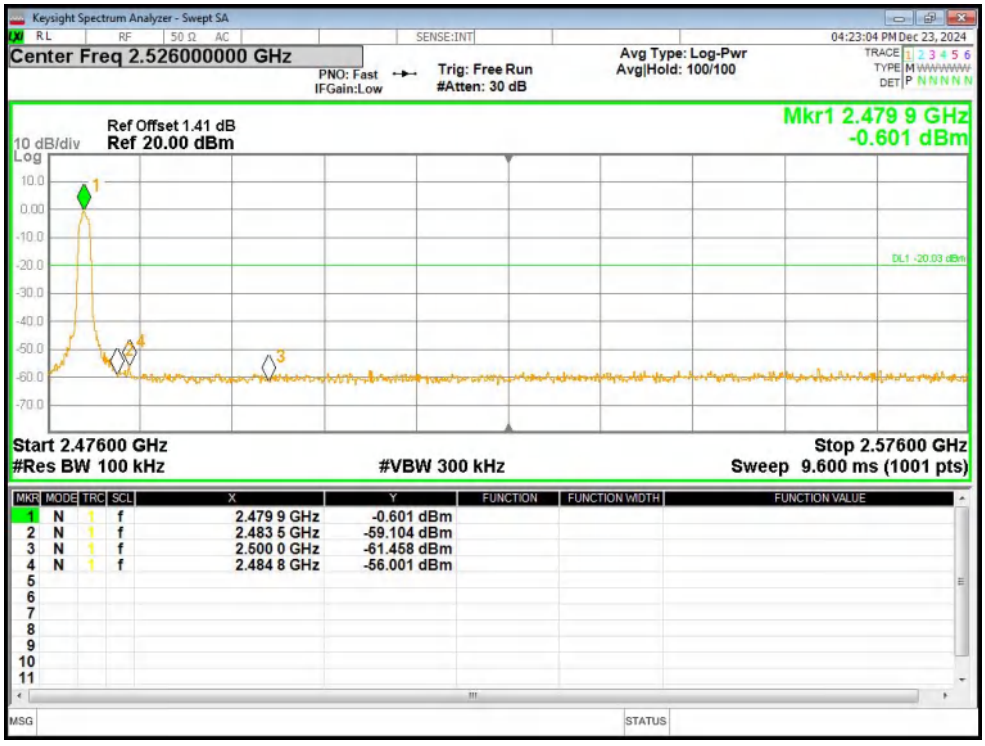


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

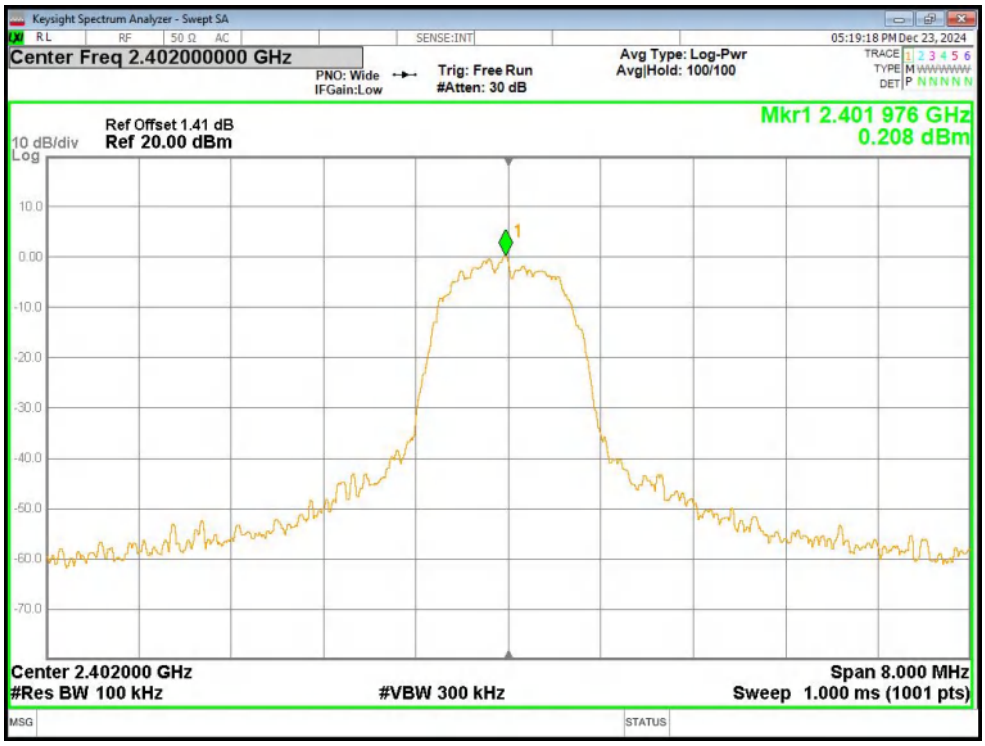
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



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

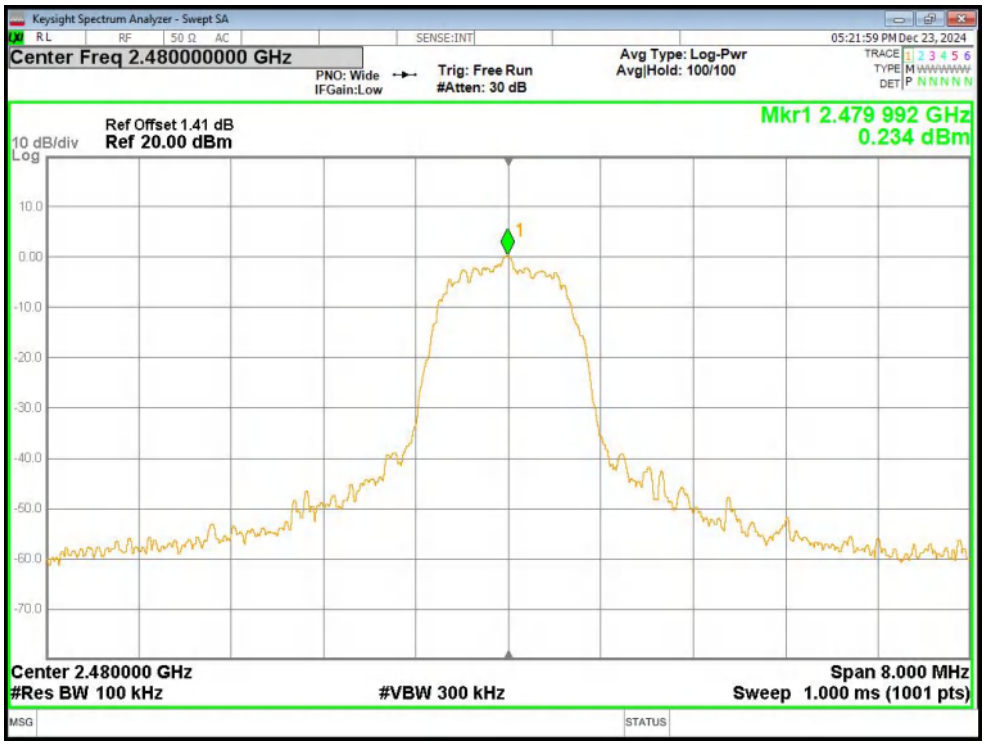


Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



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	-57.48	-20	Pass
1-DH5	2480	Hopping	-56.86	-20	Pass
2-DH5	2402	Hopping	-57.46	-20	Pass
2-DH5	2480	Hopping	-57.2	-20	Pass
3-DH5	2402	Hopping	-56.28	-20	Pass
3-DH5	2480	Hopping	-56.4	-20	Pass

Test Graphs

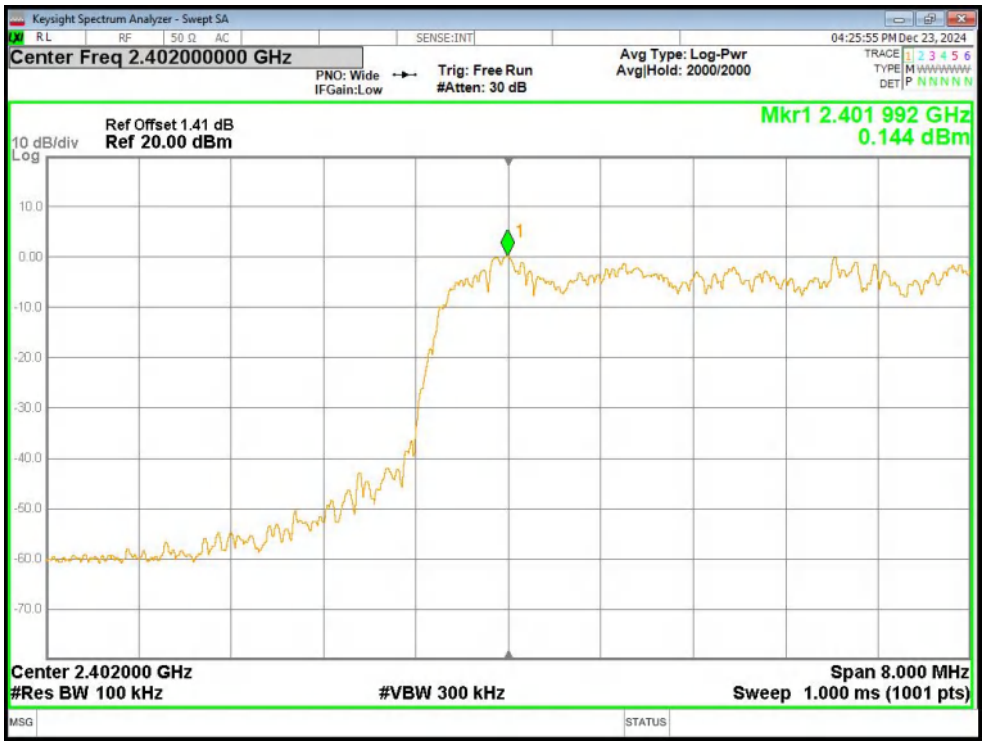
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref

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

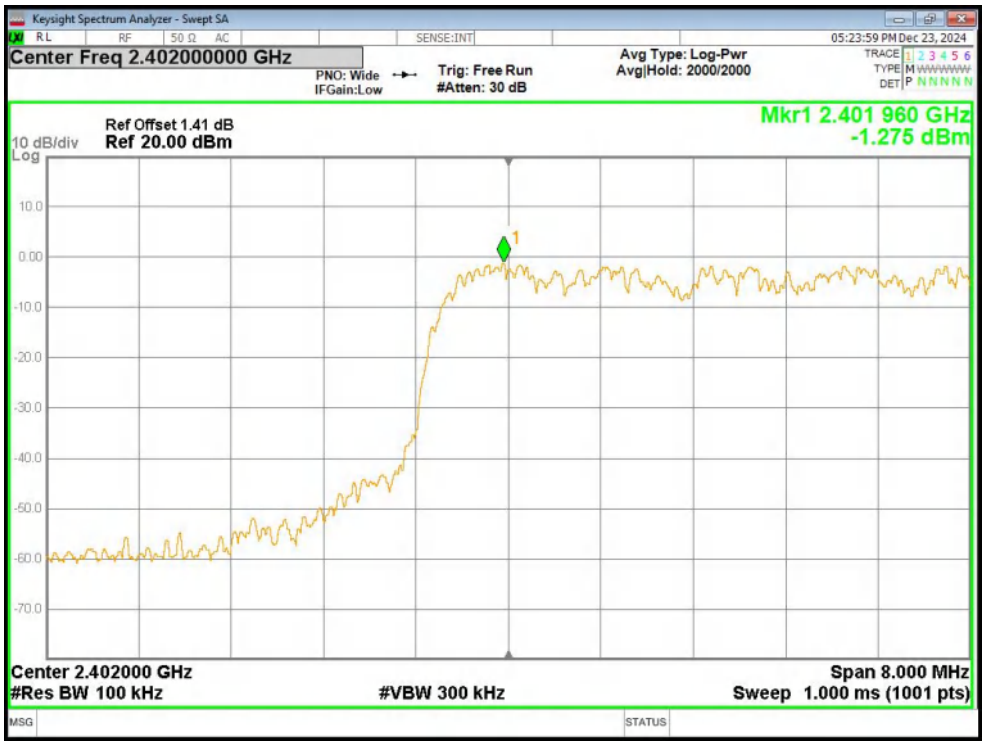


Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission

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

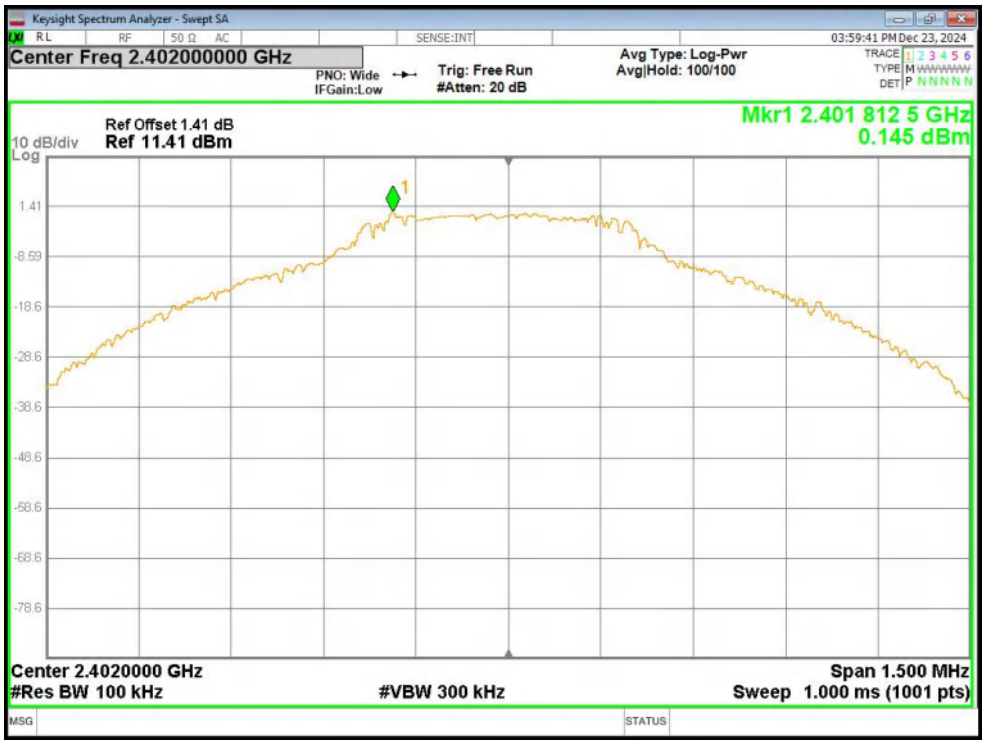
Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission

8.Conducted RF Spurious Emission

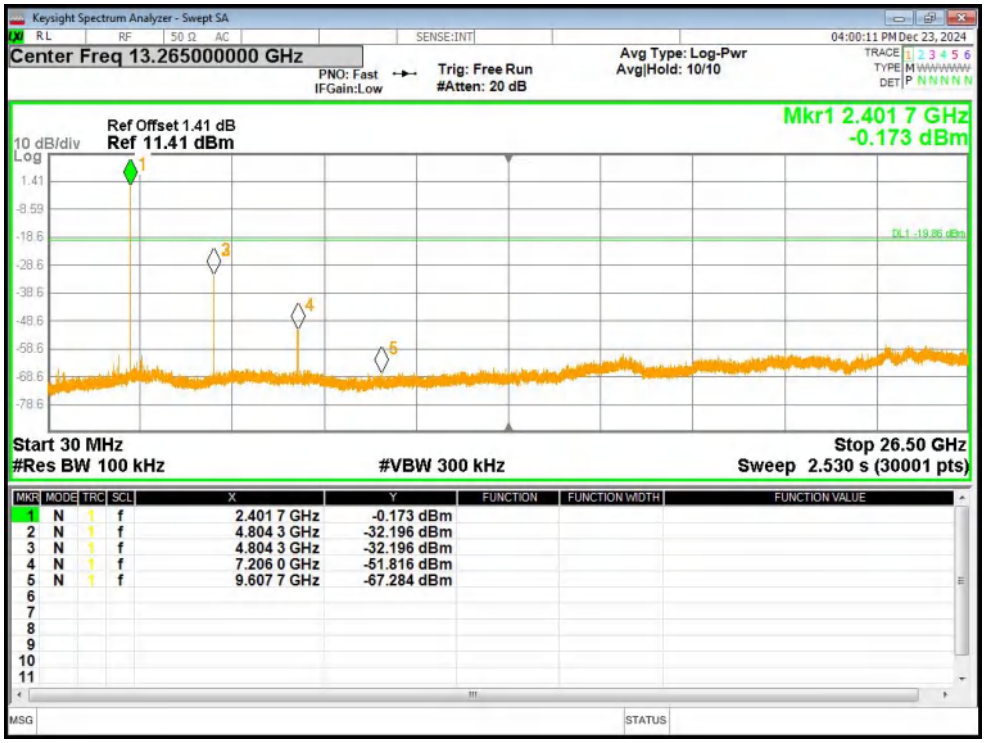
Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
1-DH5	2402	-32.34	-20	Pass
1-DH5	2441	-32.79	-20	Pass
1-DH5	2480	-33.66	-20	Pass
2-DH5	2402	-35.41	-20	Pass
2-DH5	2441	-34.28	-20	Pass
2-DH5	2480	-34.99	-20	Pass
3-DH5	2402	-36.09	-20	Pass
3-DH5	2441	-35.78	-20	Pass
3-DH5	2480	-35.95	-20	Pass

Test Graphs

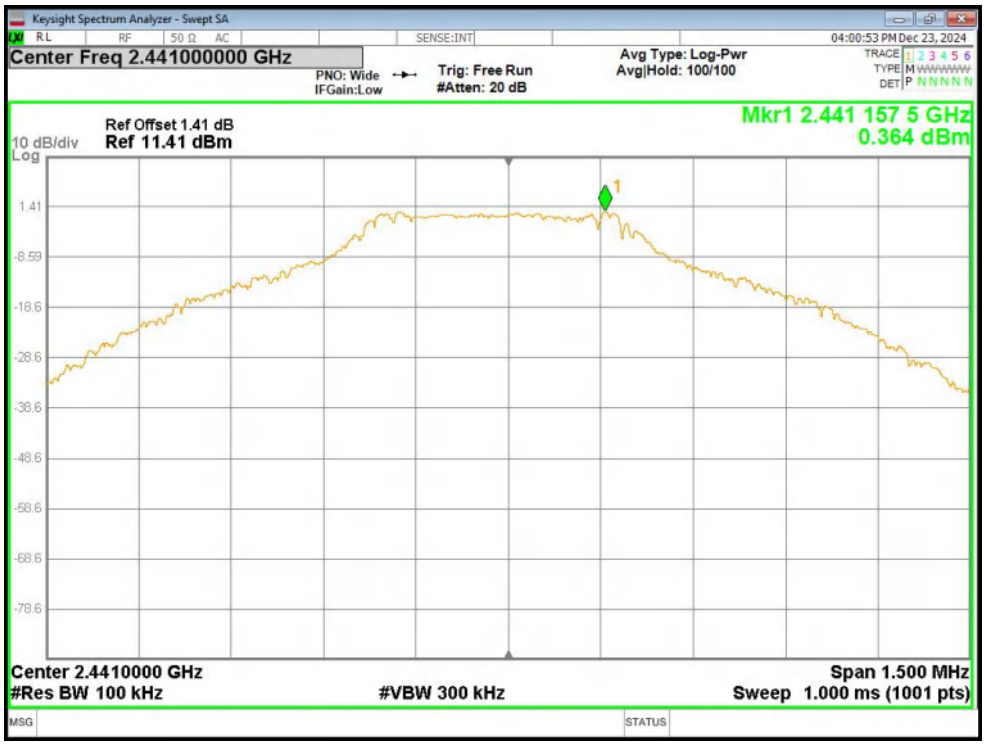
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission

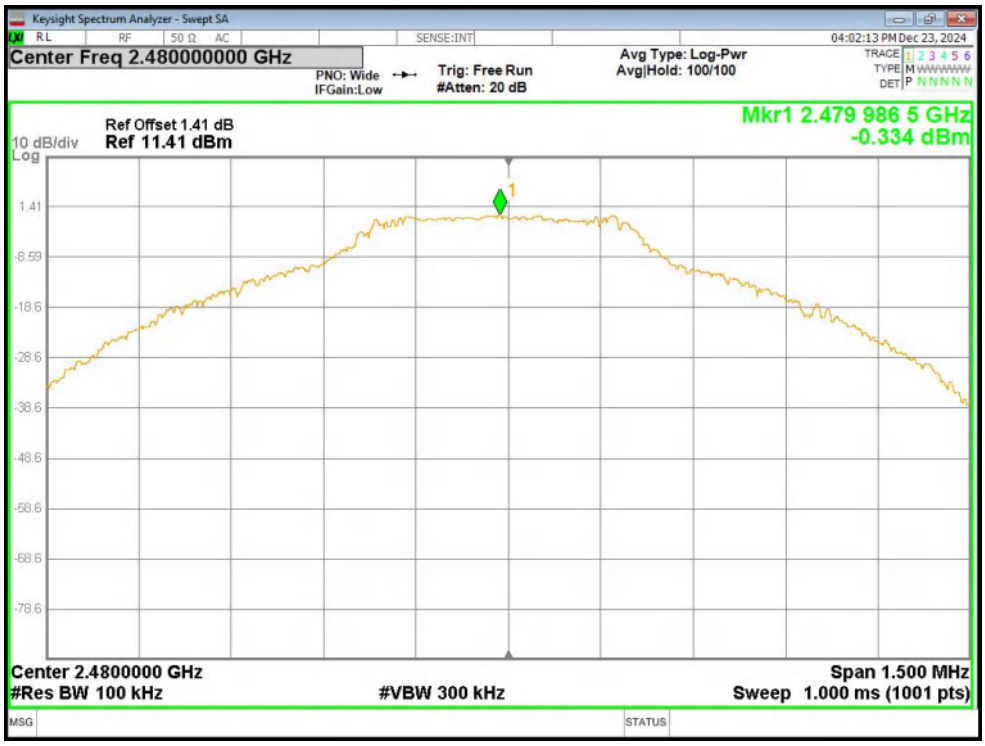


Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



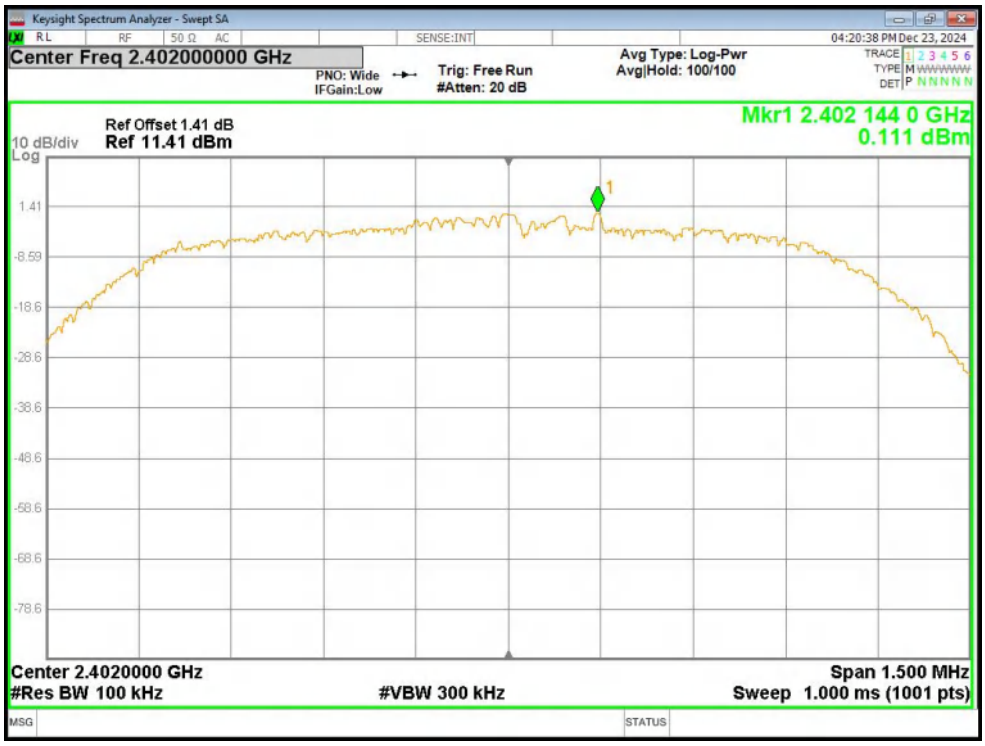
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission

Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



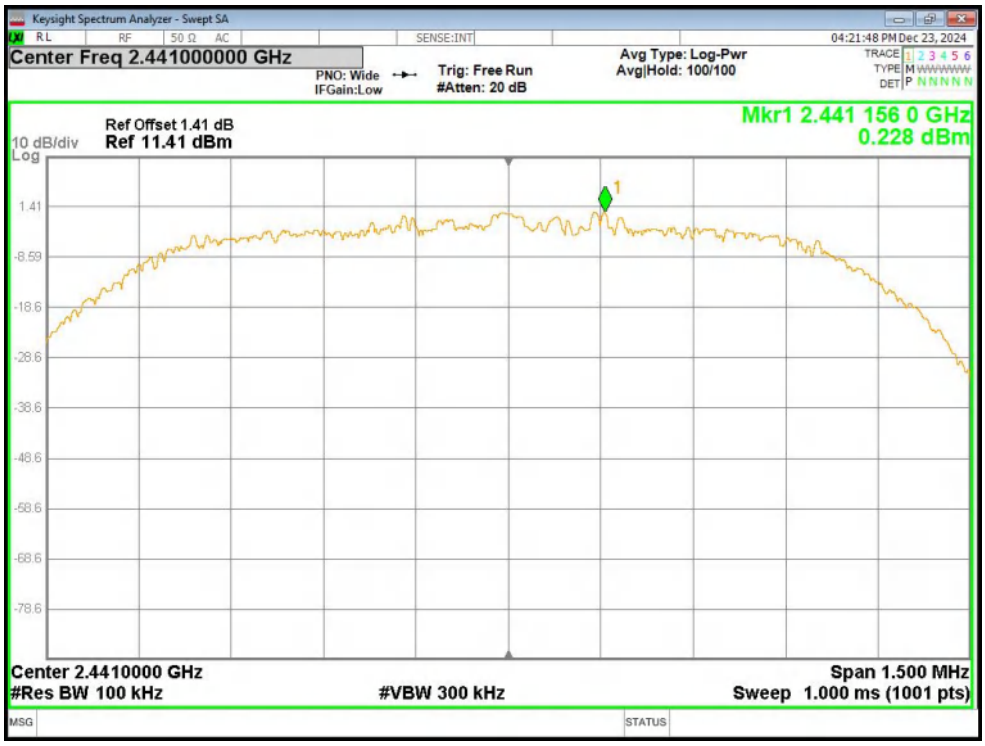
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission

Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



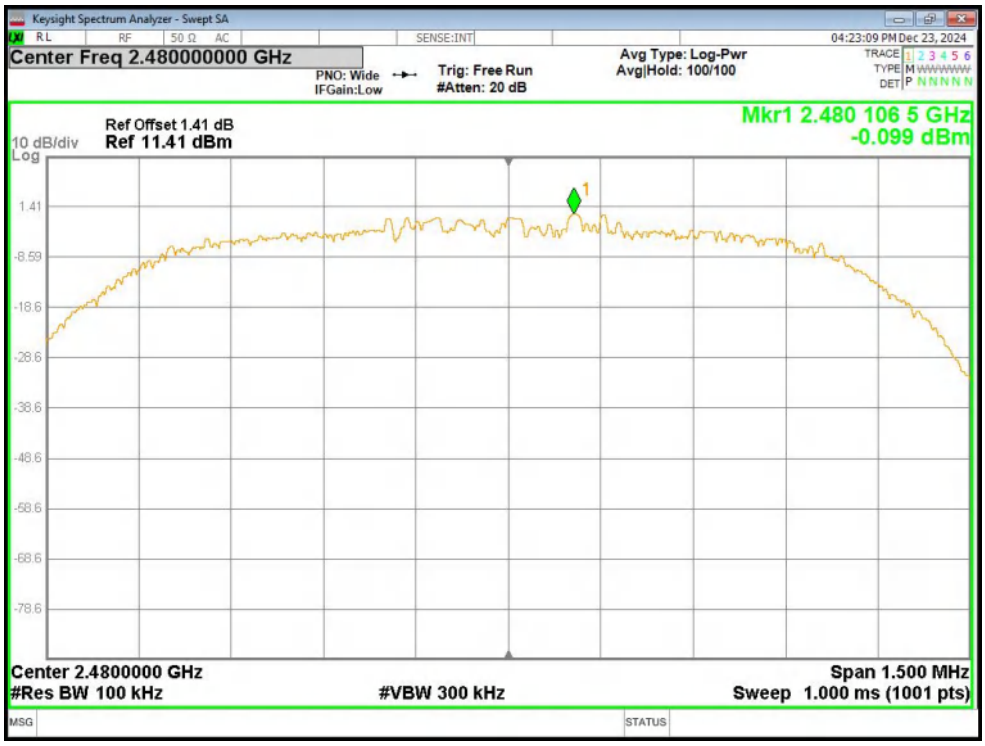
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission

Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



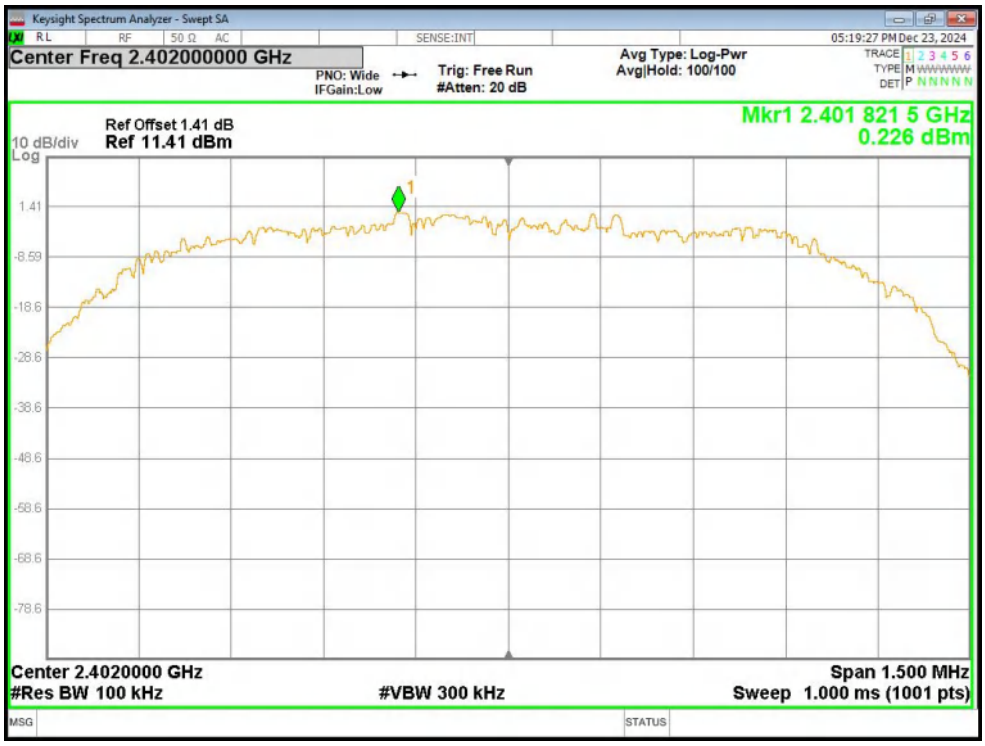
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission

Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref

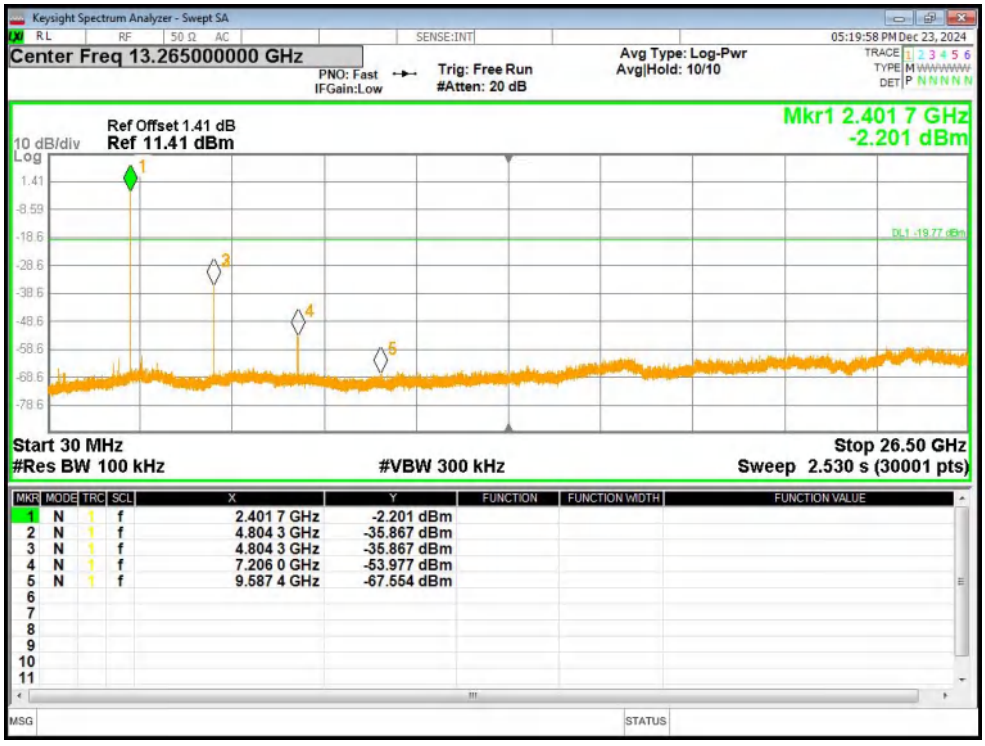


Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission

Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



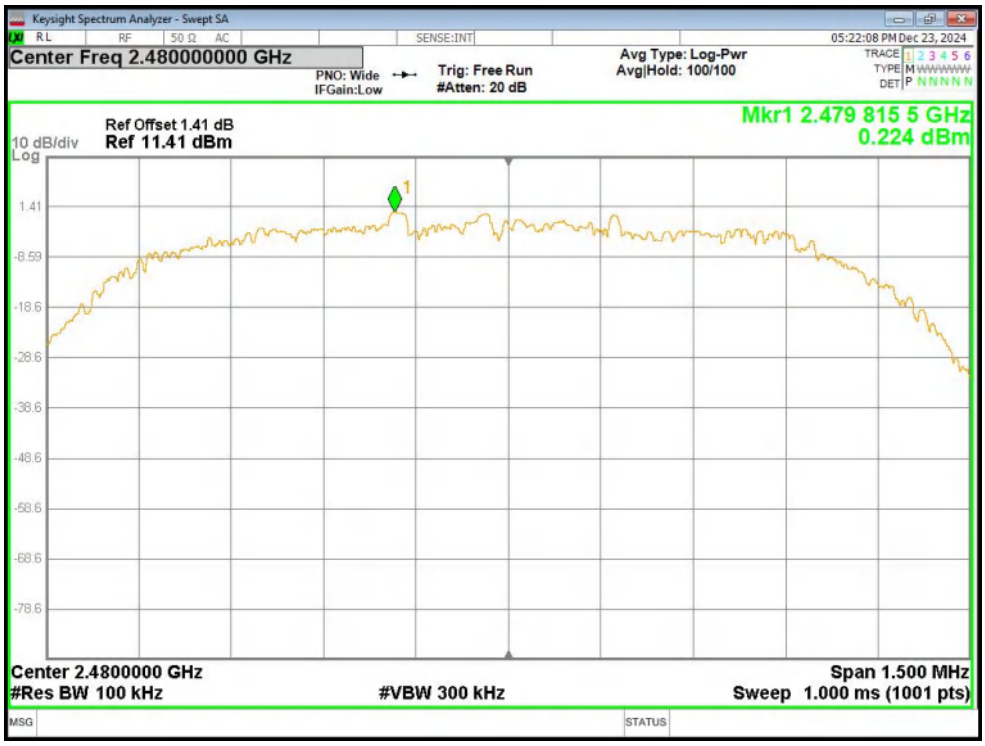
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission



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

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.480 2 GHz	-1.111 dBm			
2	N	1	f	4.960 5 GHz	-35.736 dBm			
3	N	1	f	4.960 5 GHz	-35.736 dBm			
4	N	1	f	7.439 8 GHz	-56.748 dBm			
5	N	1	f	10.117 7 GHz	-67.791 dBm			
6								
7								
8								
9								
10								
11								