Appendix A

Maximum Conducted Output Power

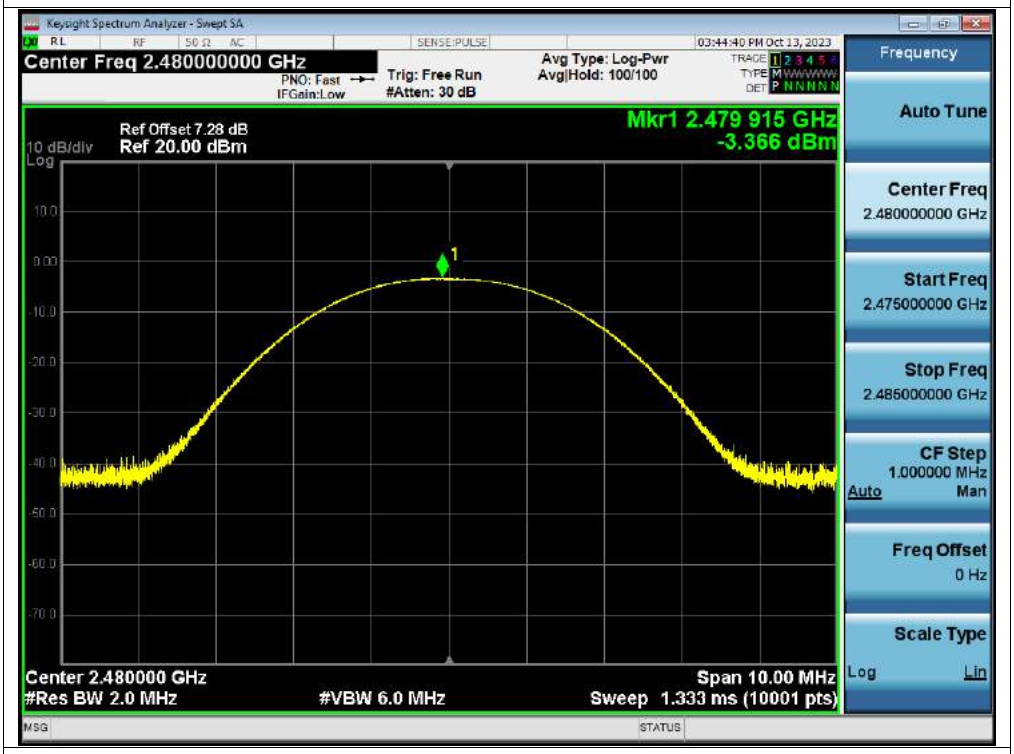
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-1.96	0	-1.96	21	Pass
NVNT	1-DH5	2441	Ant1	-1.86	0	-1.86	21	Pass
NVNT	1-DH5	2480	Ant1	-3.37	0	-3.37	21	Pass
NVNT	2-DH5	2402	Ant1	-1.3	0	-1.3	21	Pass
NVNT	2-DH5	2441	Ant1	-1.14	0	-1.14	21	Pass
NVNT	2-DH5	2480	Ant1	-2.57	0	-2.57	21	Pass
NVNT	3-DH5	2402	Ant1	-0.93	0	-0.93	21	Pass
NVNT	3-DH5	2441	Ant1	-0.74	0	-0.74	21	Pass
NVNT	3-DH5	2480	Ant1	-2.24	0	-2.24	21	Pass

Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

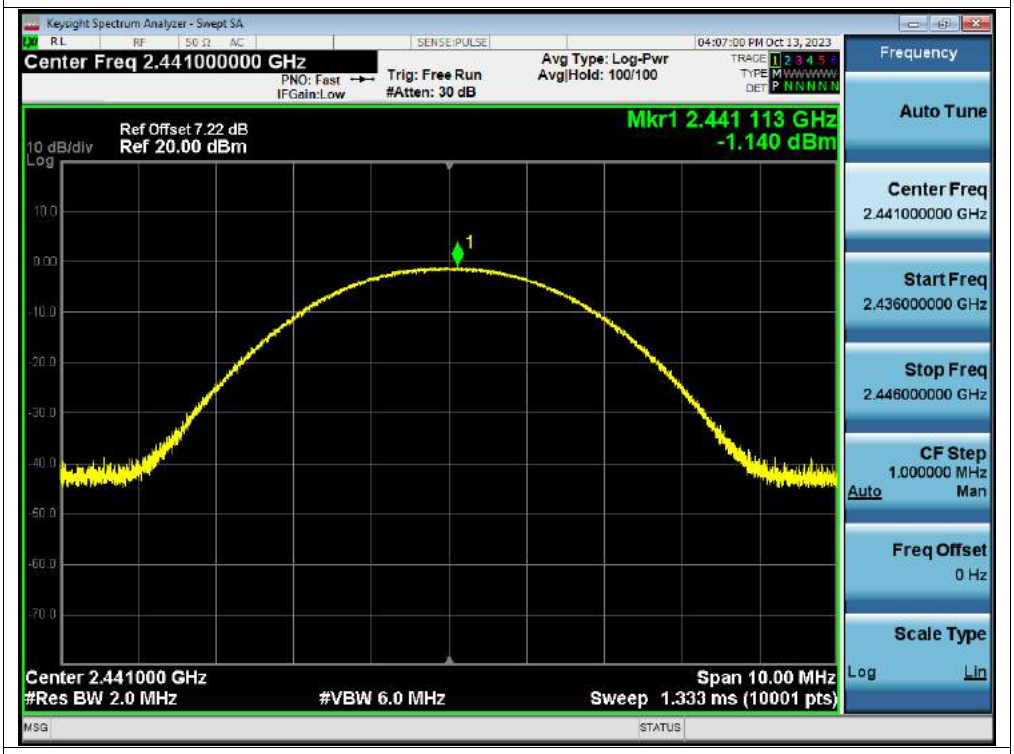
Power NVNT 1-DH5 2441MHz Ant1

Power NVNT 1-DH5 2480MHz Ant1



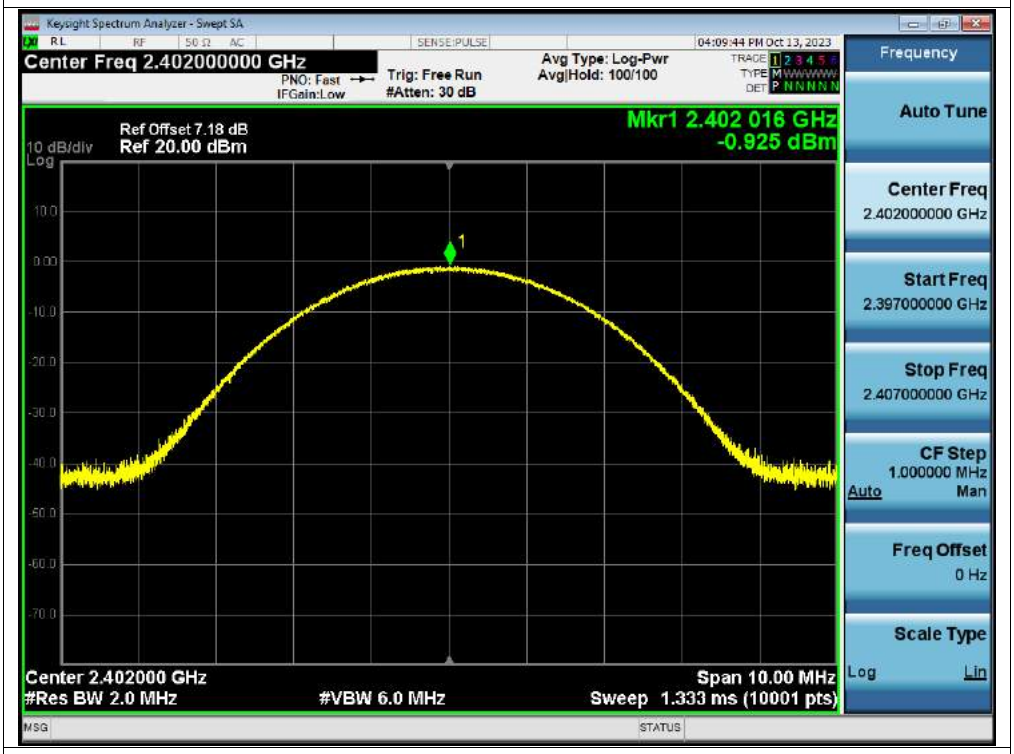
Power NVNT 2-DH5 2402MHz Ant1

Power NVNT 2-DH5 2441MHz Ant1



Power NVNT 2-DH5 2480MHz Ant1

Power NVNT 3-DH5 2402MHz Ant1



Power NVNT 3-DH5 2441MHz Ant1

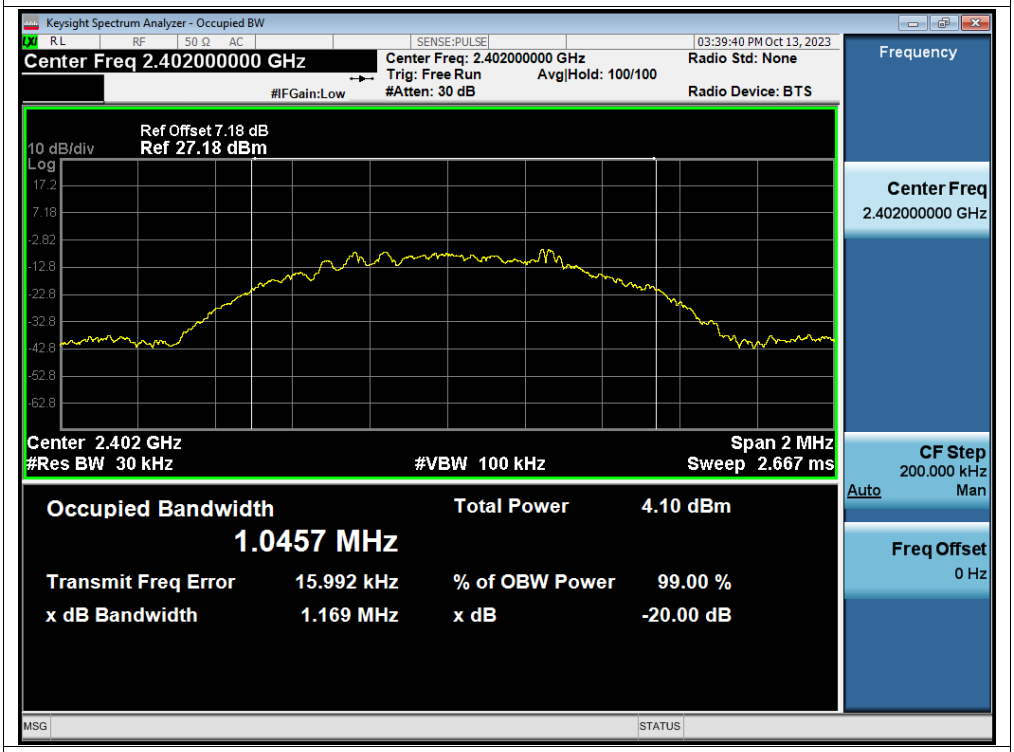
Power NVNT 3-DH5 2480MHz Ant1

-20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1.169	Pass
NVNT	1-DH5	2441	Ant1	0.946	Pass
NVNT	1-DH5	2480	Ant1	0.976	Pass
NVNT	2-DH5	2402	Ant1	1.277	Pass
NVNT	2-DH5	2441	Ant1	1.311	Pass
NVNT	2-DH5	2480	Ant1	1.297	Pass
NVNT	3-DH5	2402	Ant1	1.297	Pass
NVNT	3-DH5	2441	Ant1	1.307	Pass
NVNT	3-DH5	2480	Ant1	1.301	Pass

Test Graphs

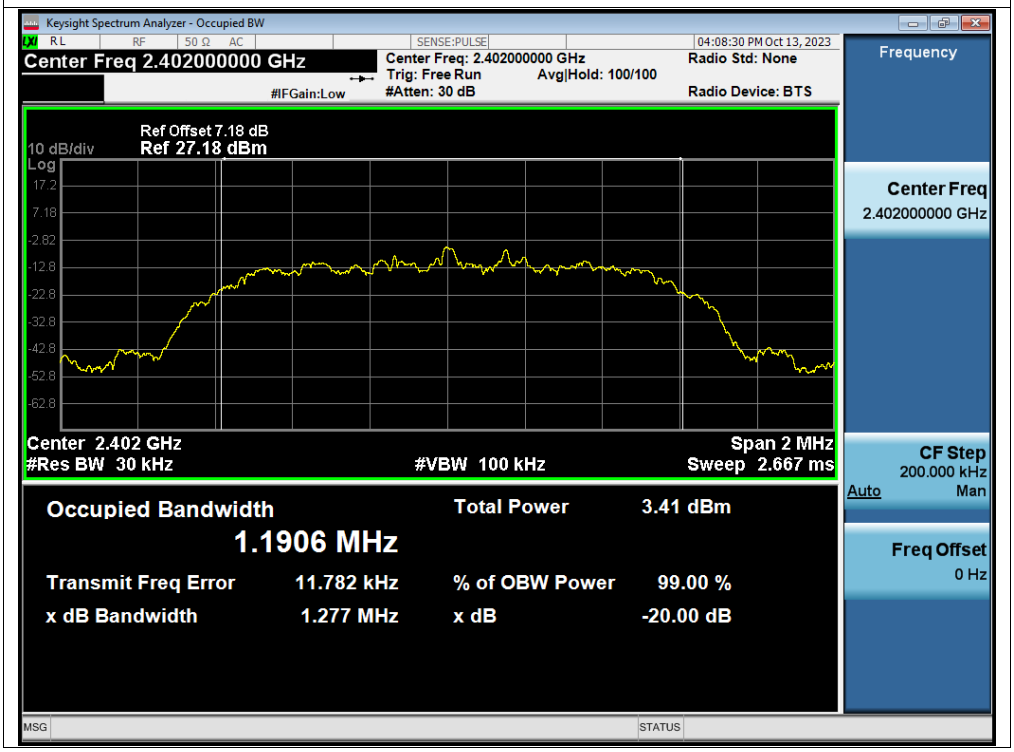
-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



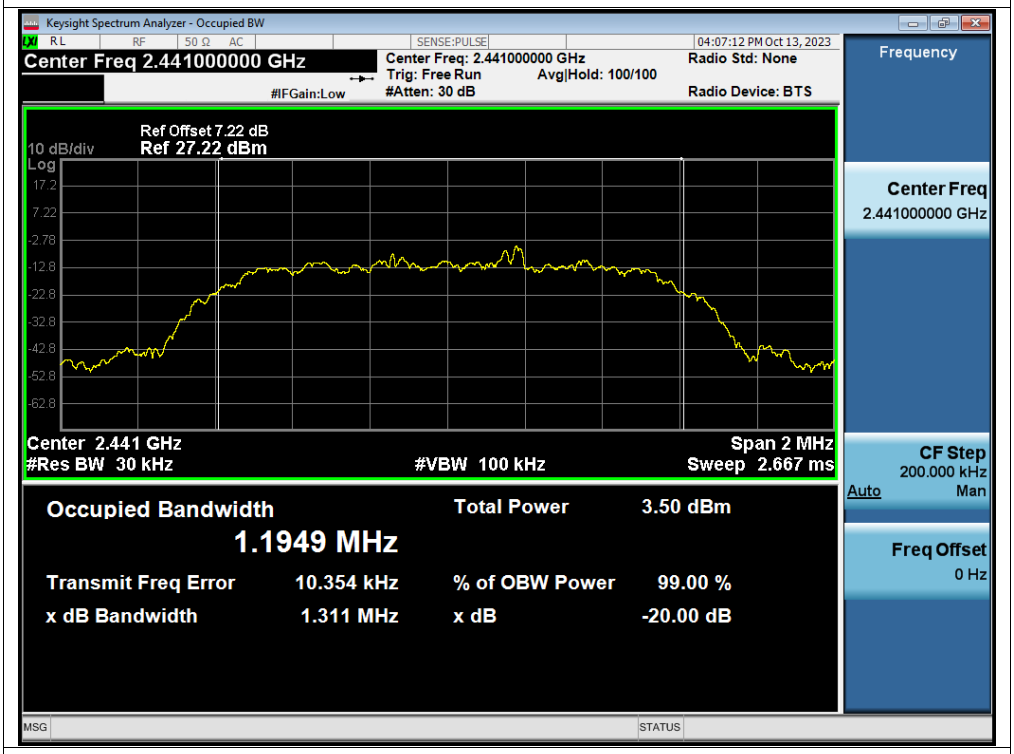
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

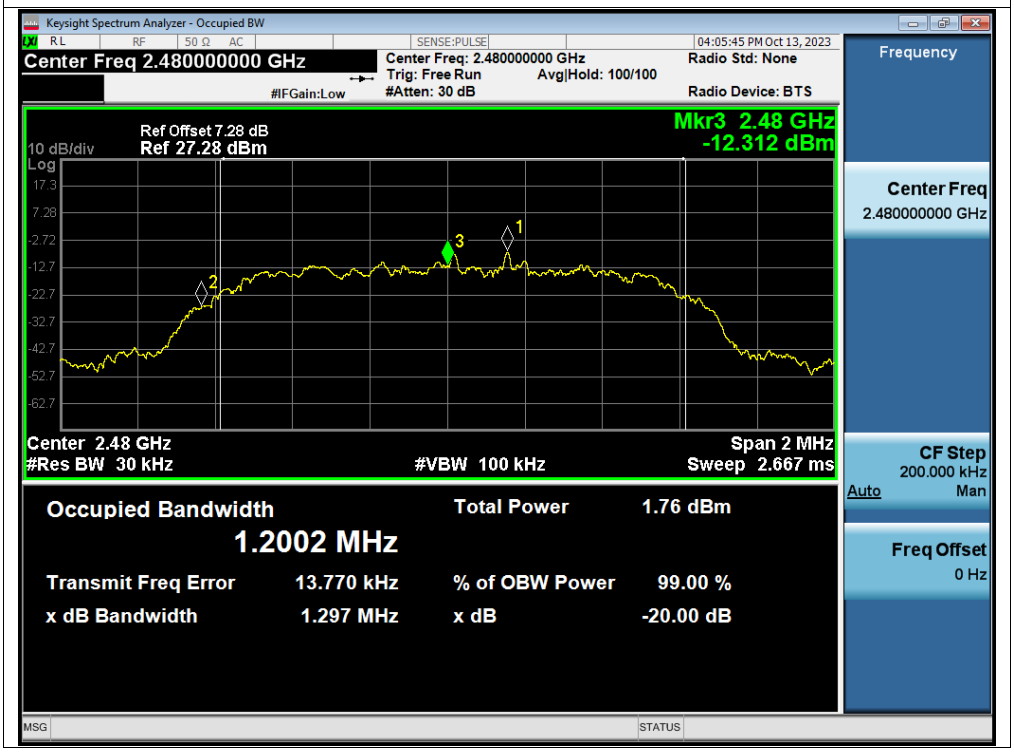
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1

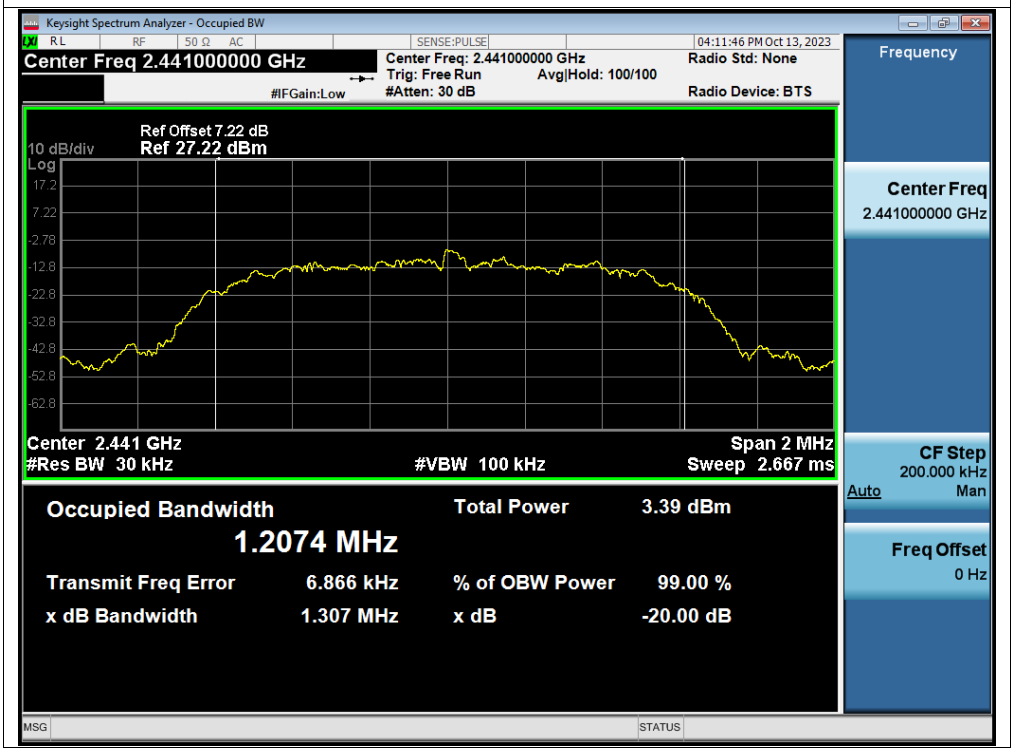


-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1

-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1

Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.026	2402.976	0.95	0.779	Pass
NVNT	1-DH5	Ant1	2440.976	2442.022	1.046	0.631	Pass
NVNT	1-DH5	Ant1	2479.032	2480.022	0.99	0.651	Pass
NVNT	2-DH5	Ant1	2402.158	2403.166	1.008	0.851	Pass
NVNT	2-DH5	Ant1	2441.004	2442.002	0.998	0.874	Pass
NVNT	2-DH5	Ant1	2479.174	2480.172	0.998	0.865	Pass
NVNT	3-DH5	Ant1	2401.854	2402.846	0.992	0.865	Pass
NVNT	3-DH5	Ant1	2440.976	2442.006	1.03	0.871	Pass
NVNT	3-DH5	Ant1	2478.852	2479.858	1.006	0.867	Pass

Test Graphs

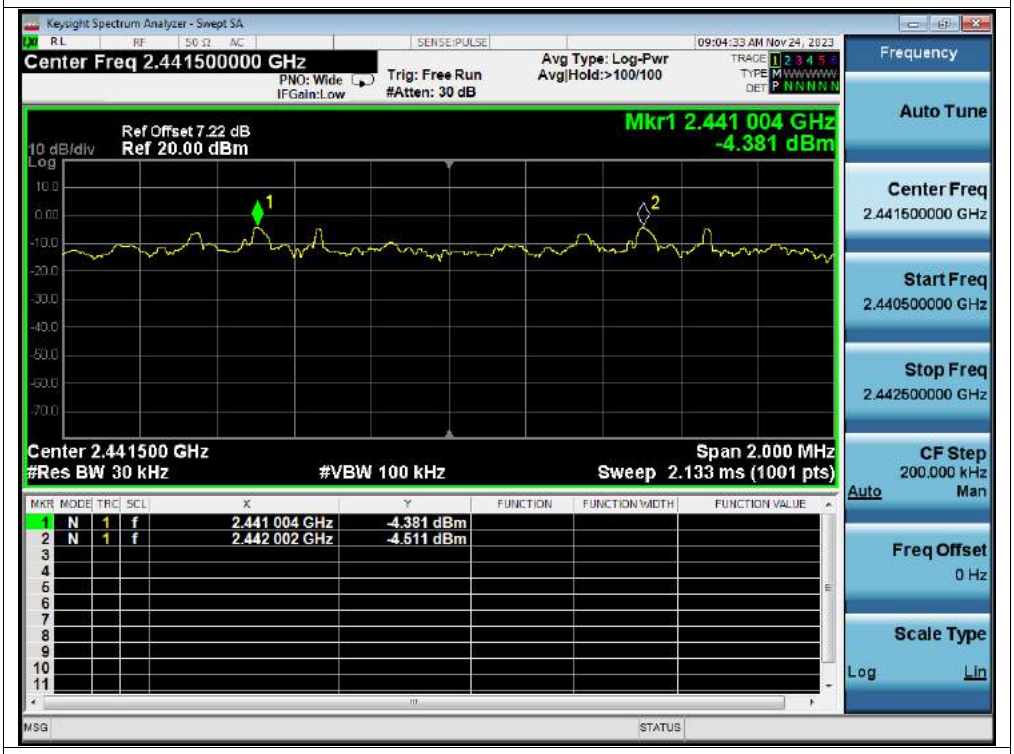
CFS NVNT 1-DH5 2402MHz Ant1

CFS NVNT 1-DH5 2441MHz Ant1

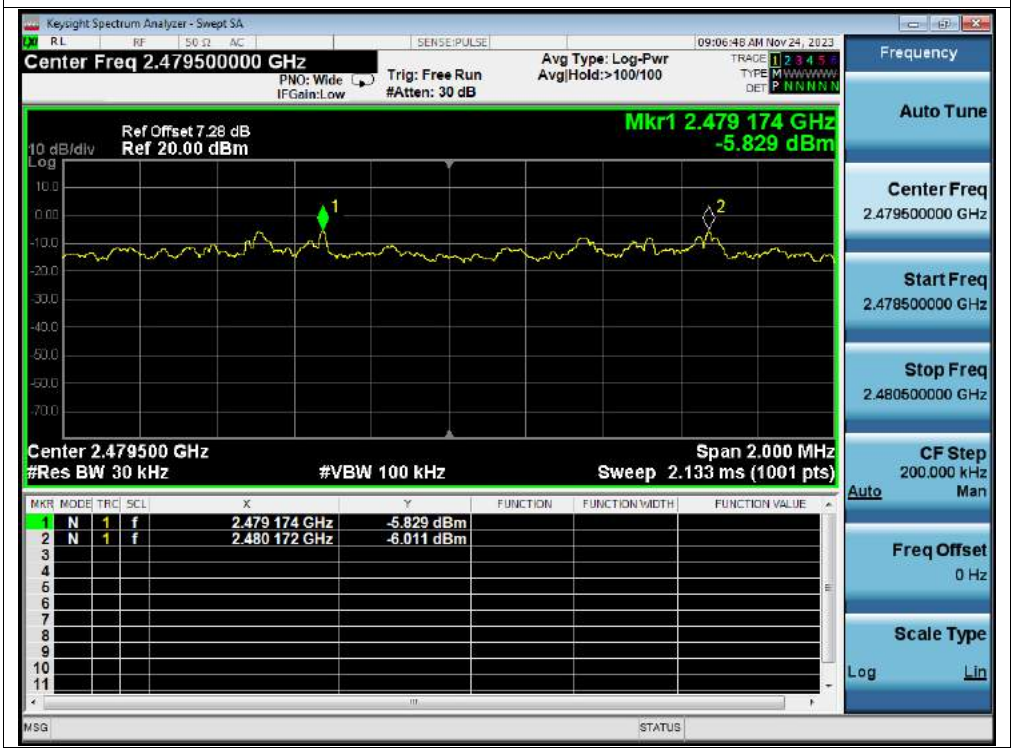
CFS NVNT 1-DH5 2480MHz Ant1

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

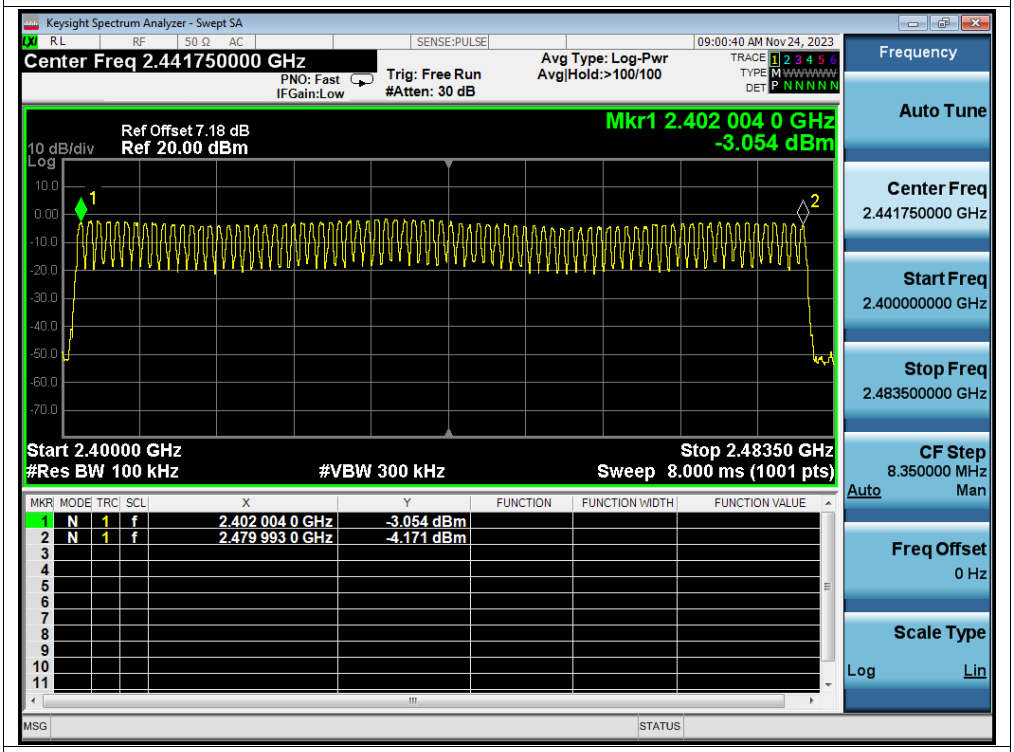
CFS NVNT 3-DH5 2480MHz Ant1

Number of Hopping Channel

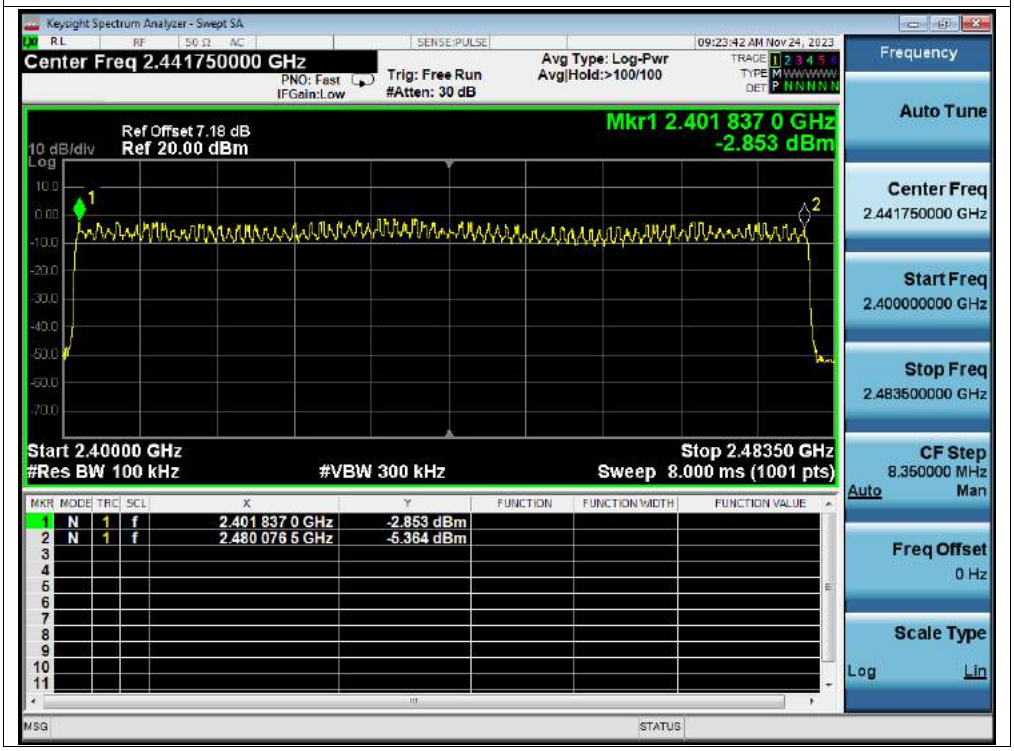
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass

Test Graphs

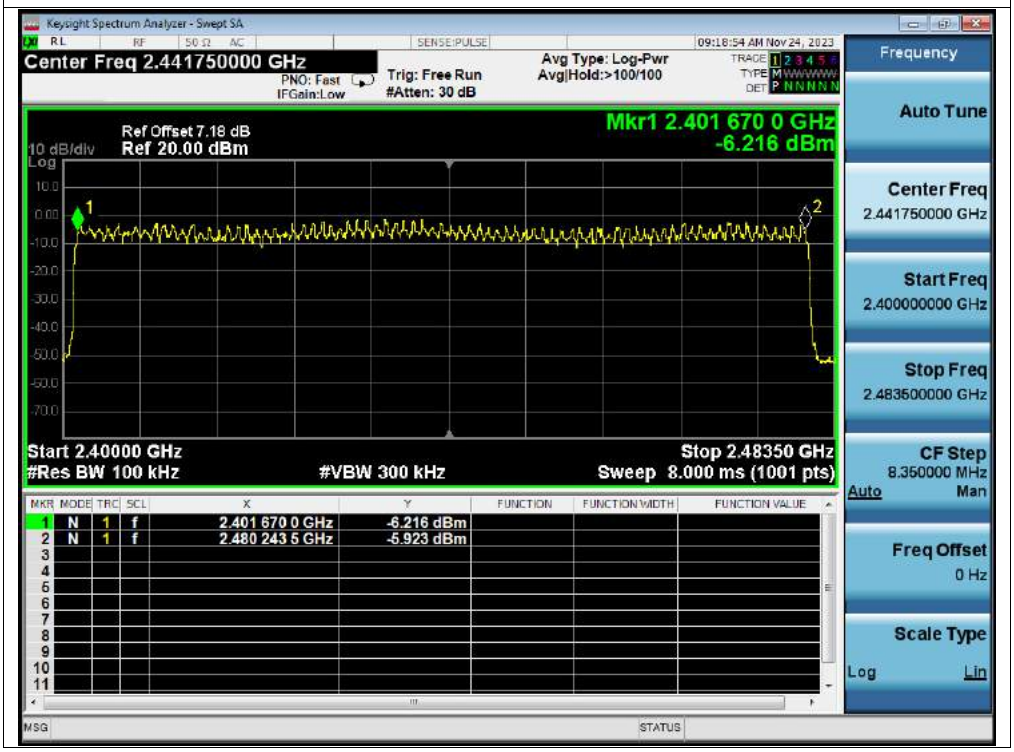
Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1



Hopping No. NVNT 3-DH5 2402MHz Ant1

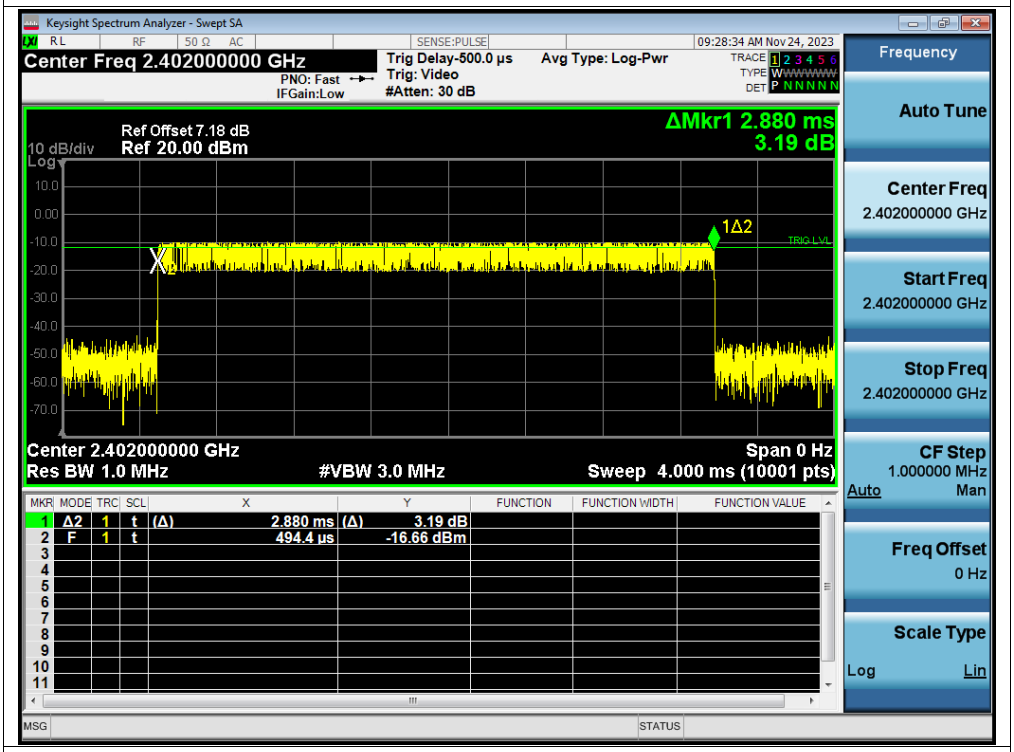


Dwell Time

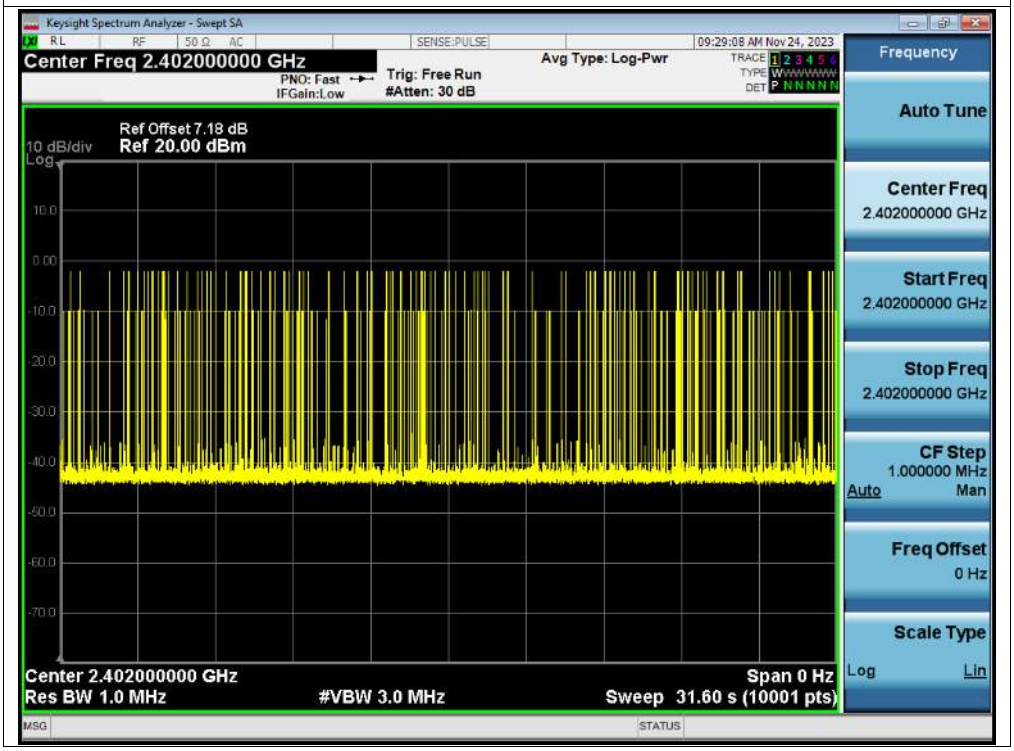
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.88	328.32	114	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.88	319.68	111	31600	400	Pass
NVNT	1-DH5	2480	Ant1	2.88	299.52	104	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.879	302.295	105	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.879	302.295	105	31600	400	Pass
NVNT	2-DH5	2480	Ant1	2.886	323.232	112	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.888	288.8	100	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.888	358.112	124	31600	400	Pass
NVNT	3-DH5	2480	Ant1	2.888	300.352	104	31600	400	Pass

Test Graphs

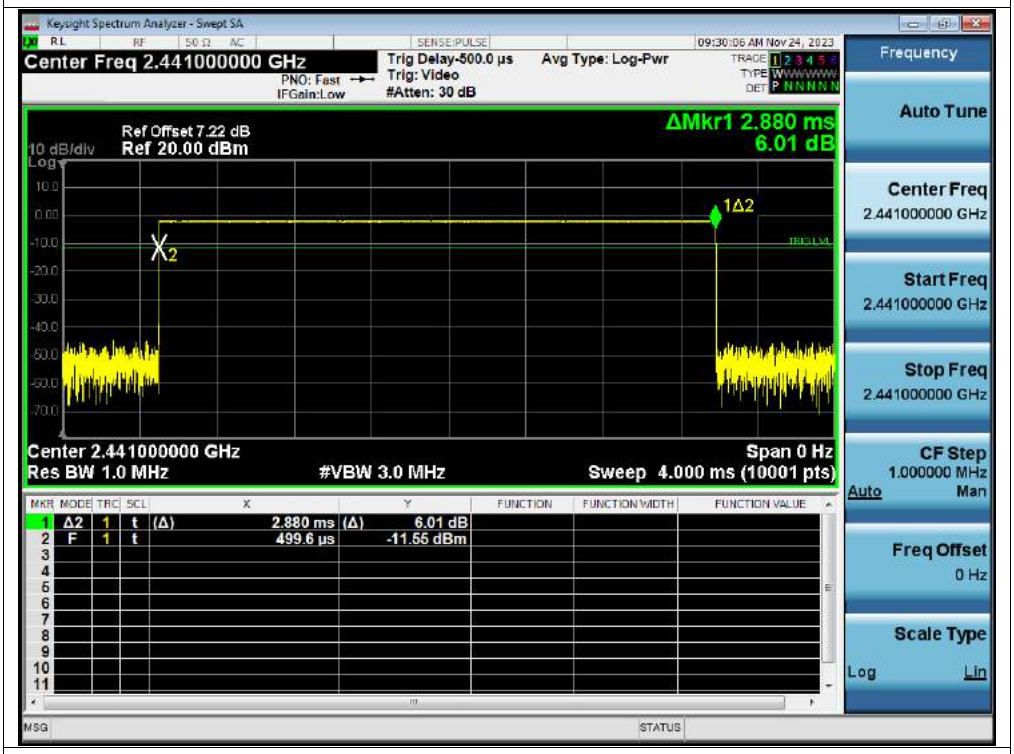
Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

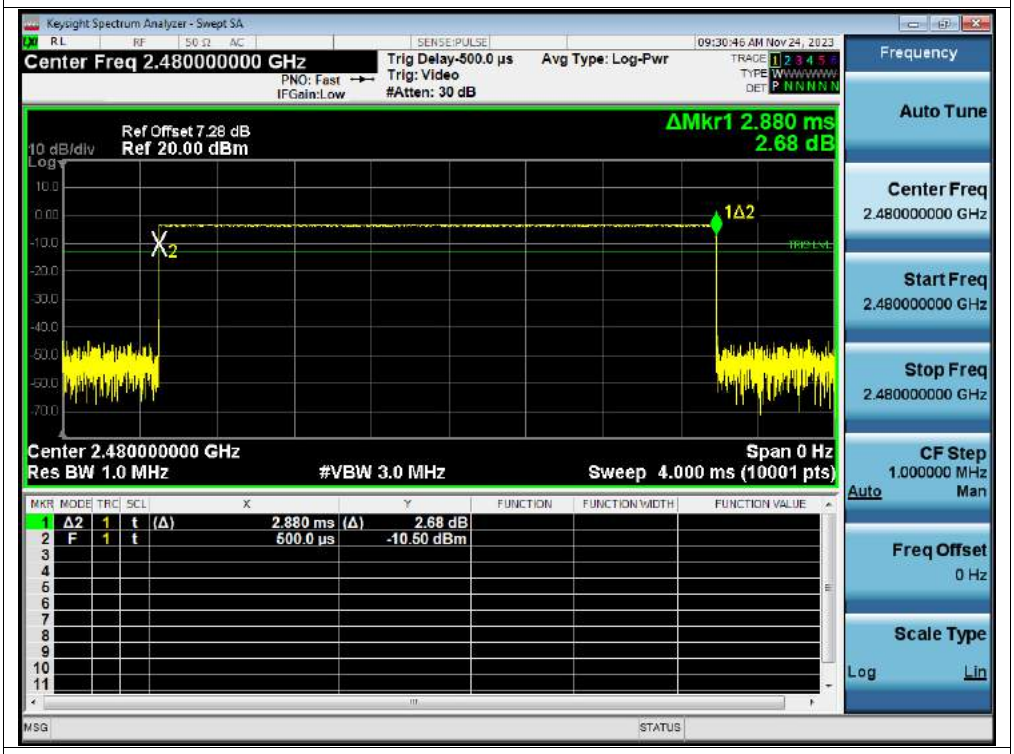


Dwell NVNT 1-DH5 2441MHz Ant1 One Burst

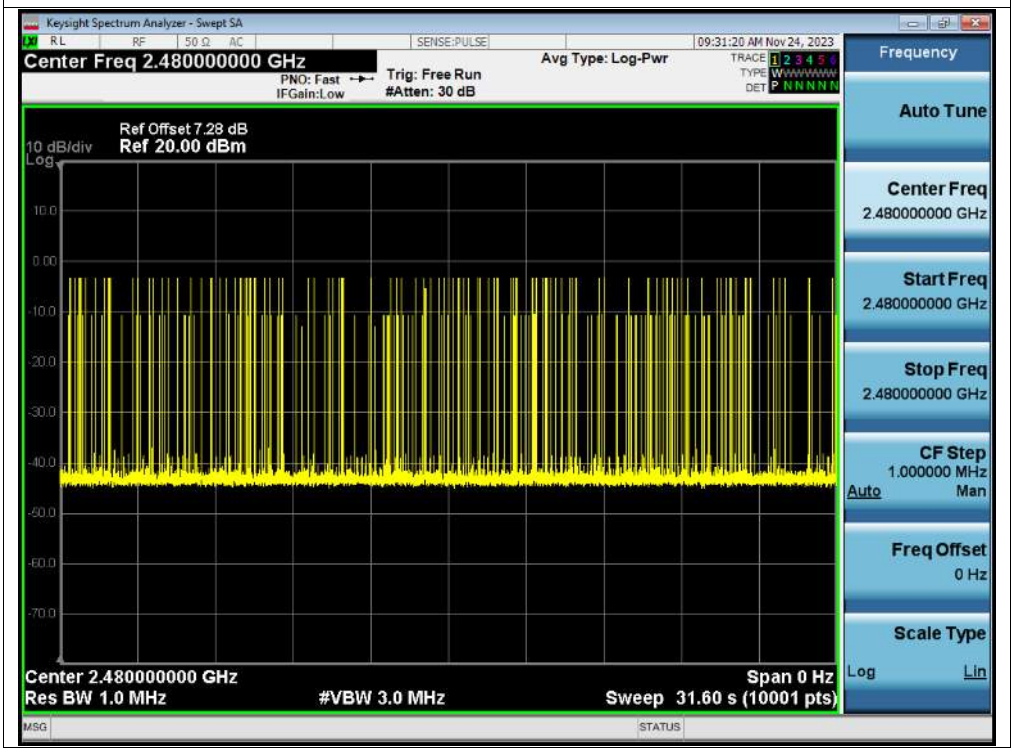


Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated

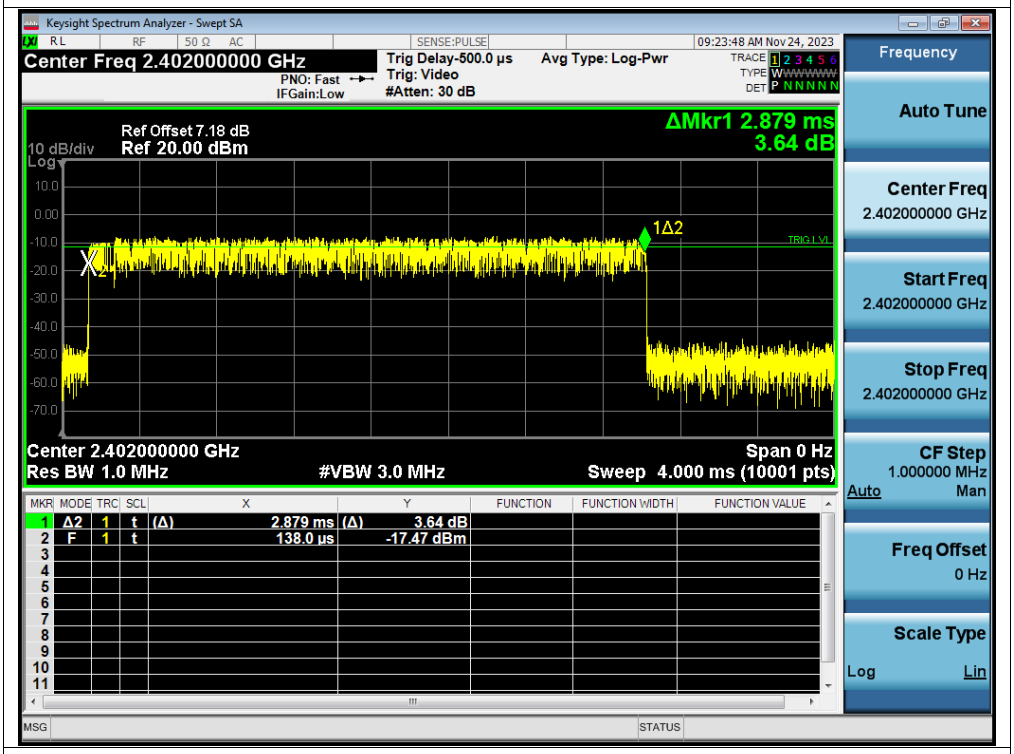
Dwell NVNT 1-DH5 2480MHz Ant1 One Burst



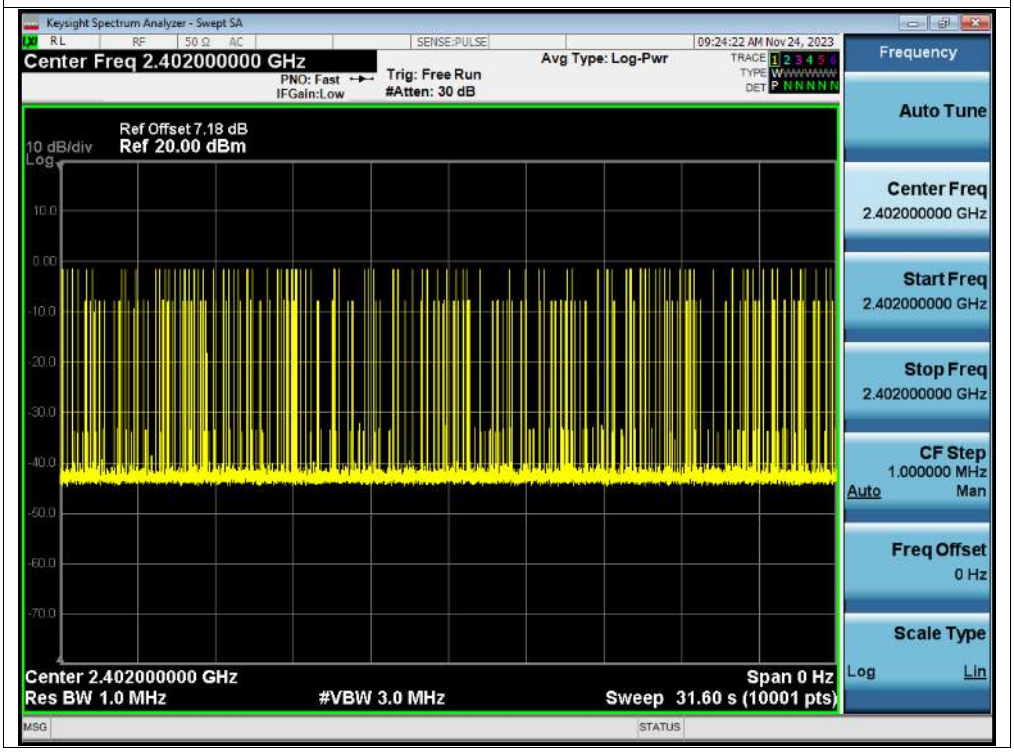
Dwell NVNT 1-DH5 2480MHz Ant1 Accumulated



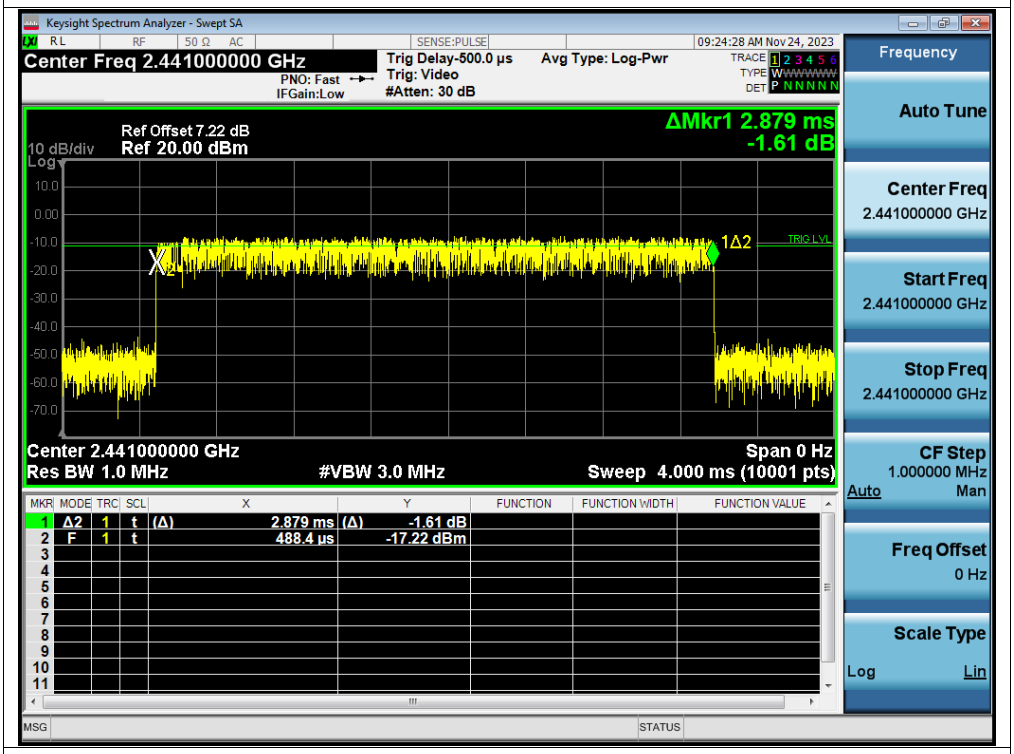
Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated

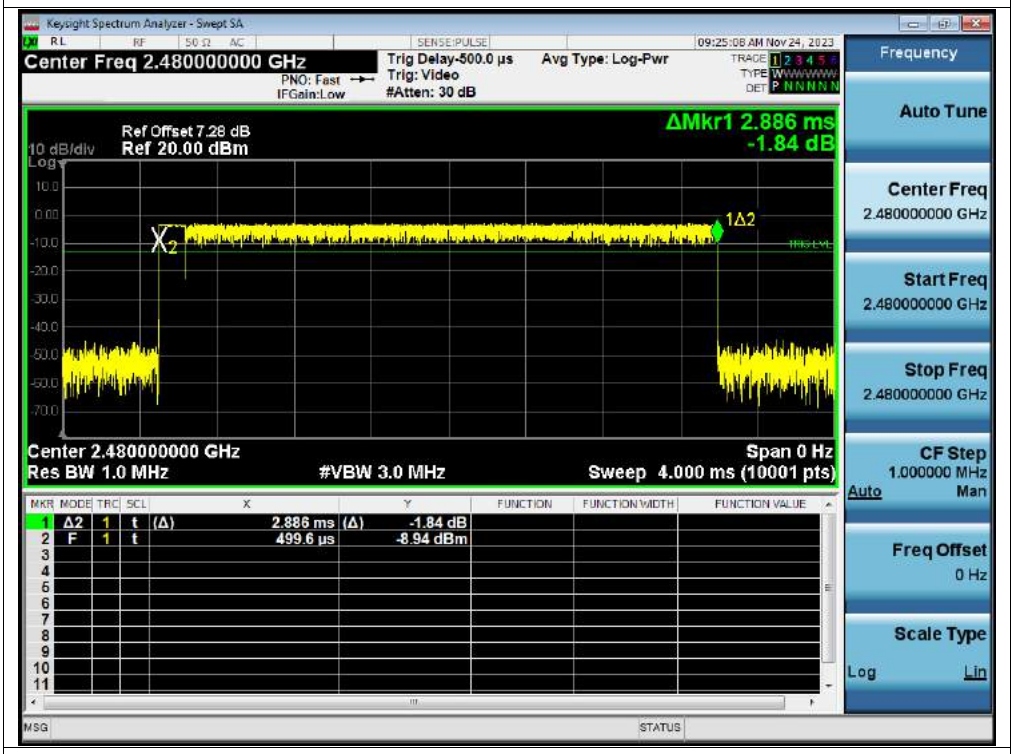


Dwell NVNT 2-DH5 2441MHz Ant1 One Burst

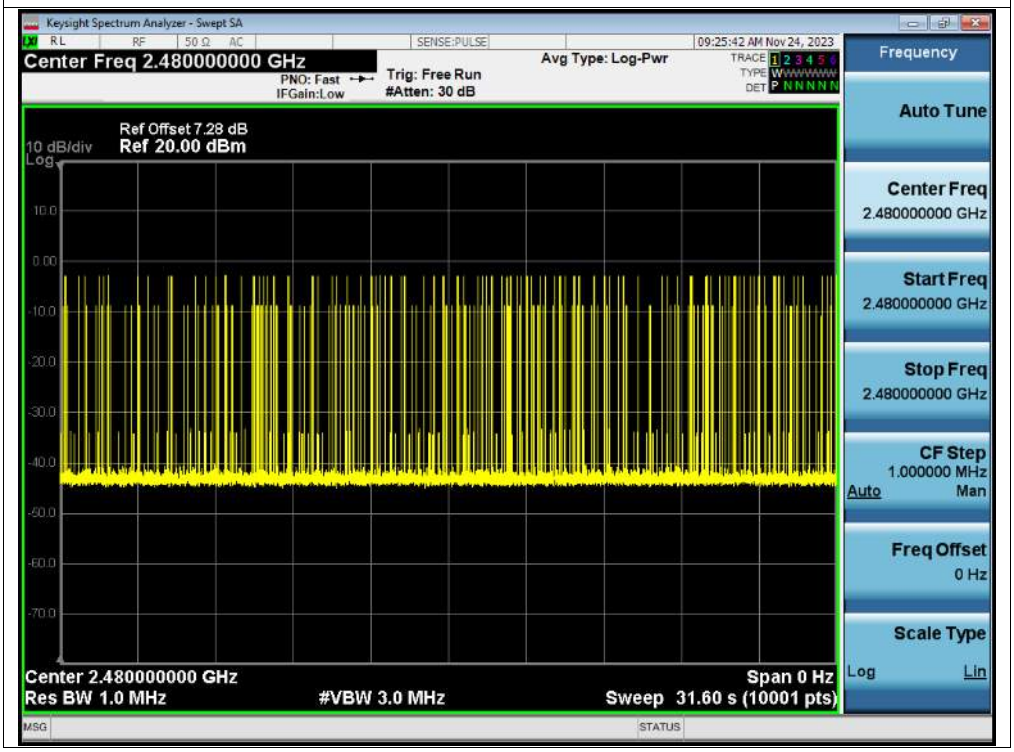


Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated

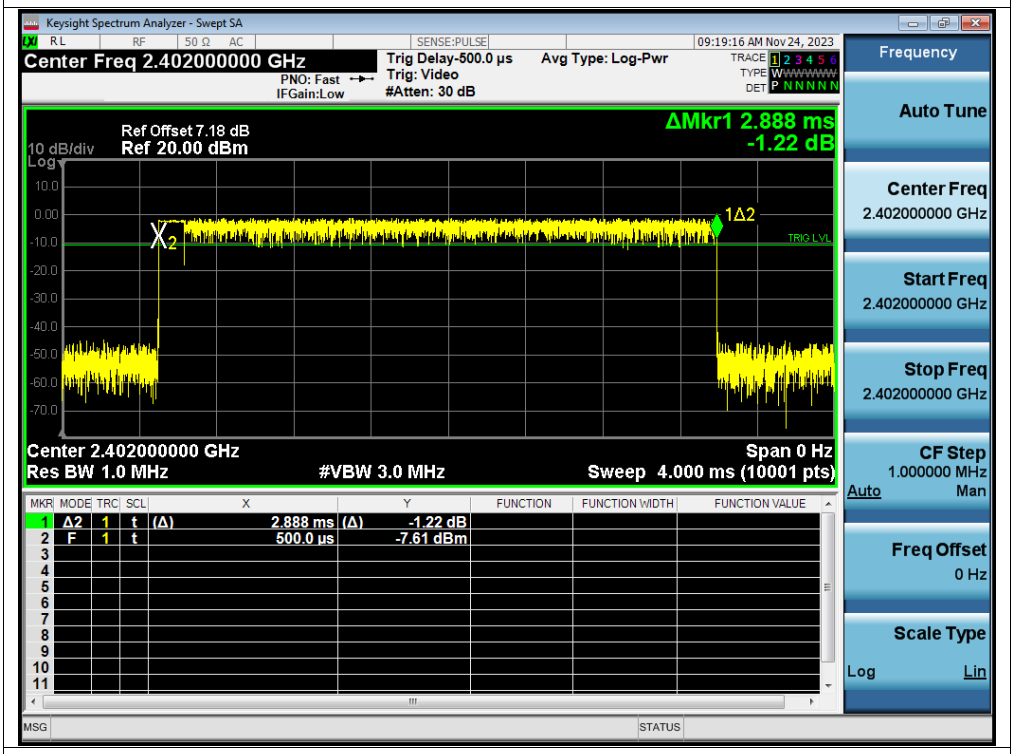
Dwell NVNT 2-DH5 2480MHz Ant1 One Burst



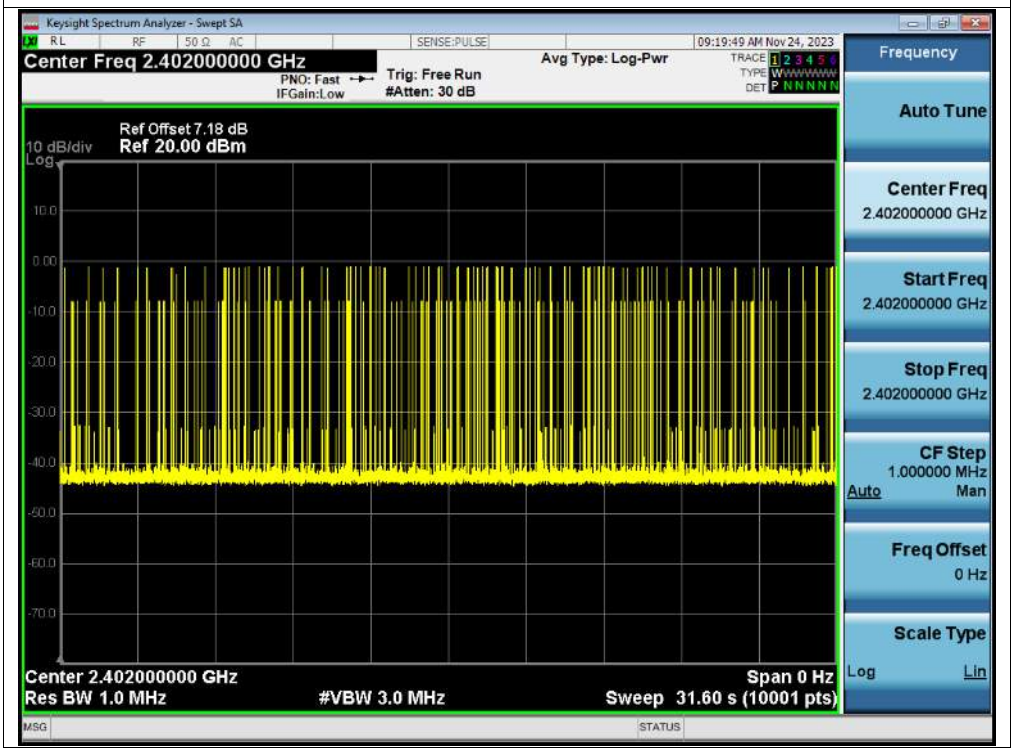
Dwell NVNT 2-DH5 2480MHz Ant1 Accumulated



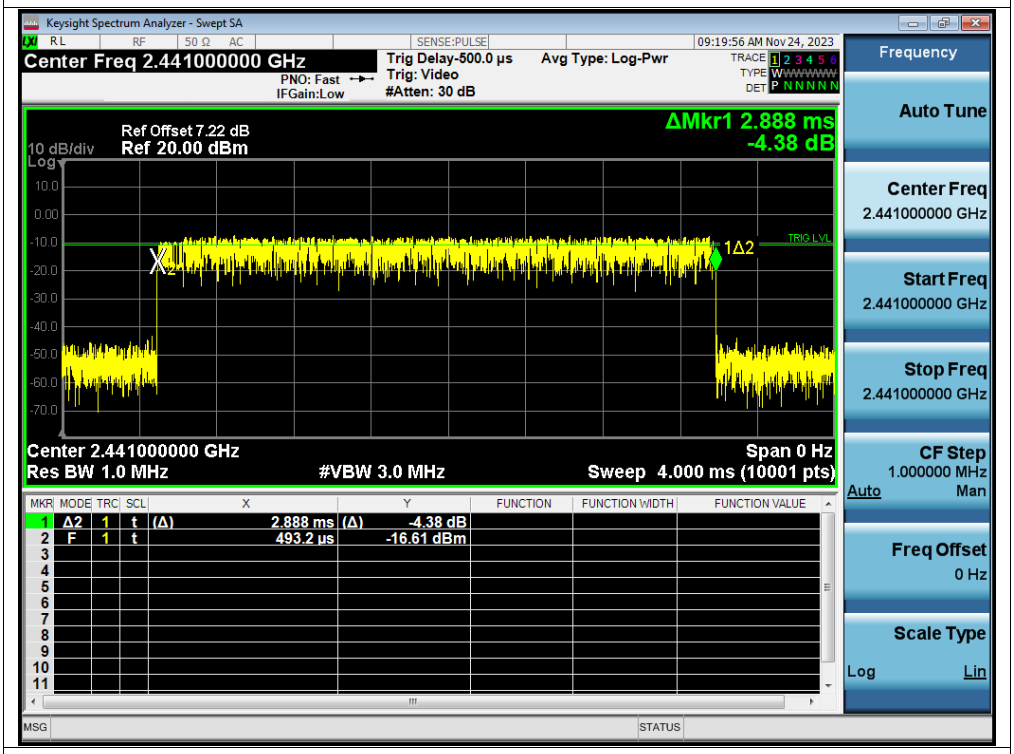
Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



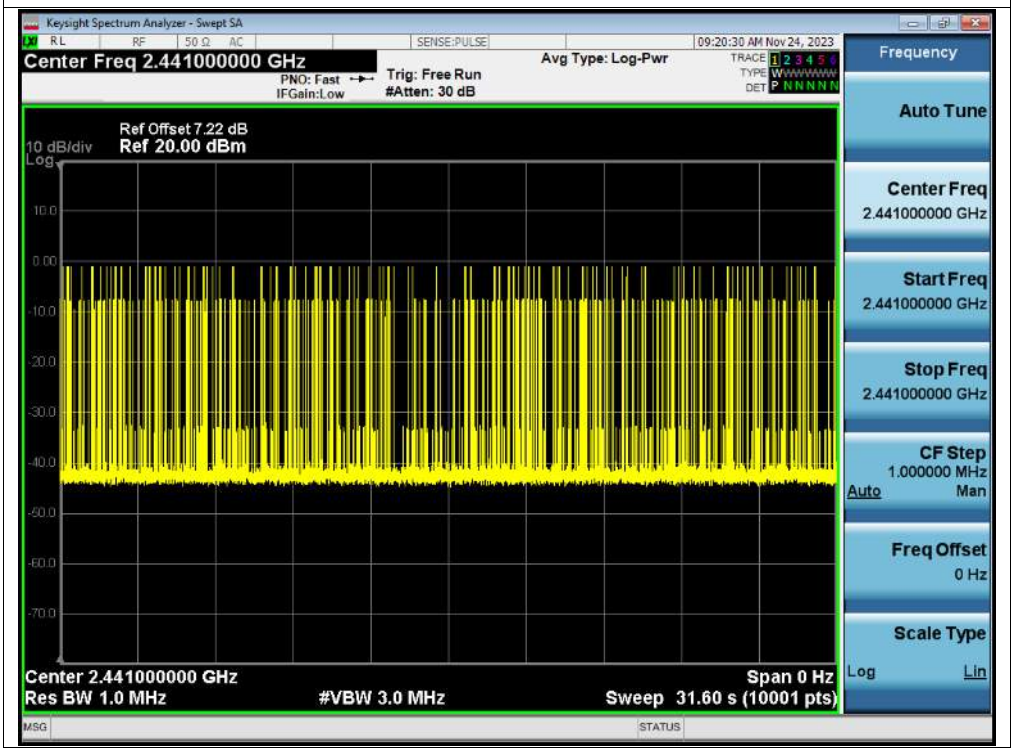
Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated



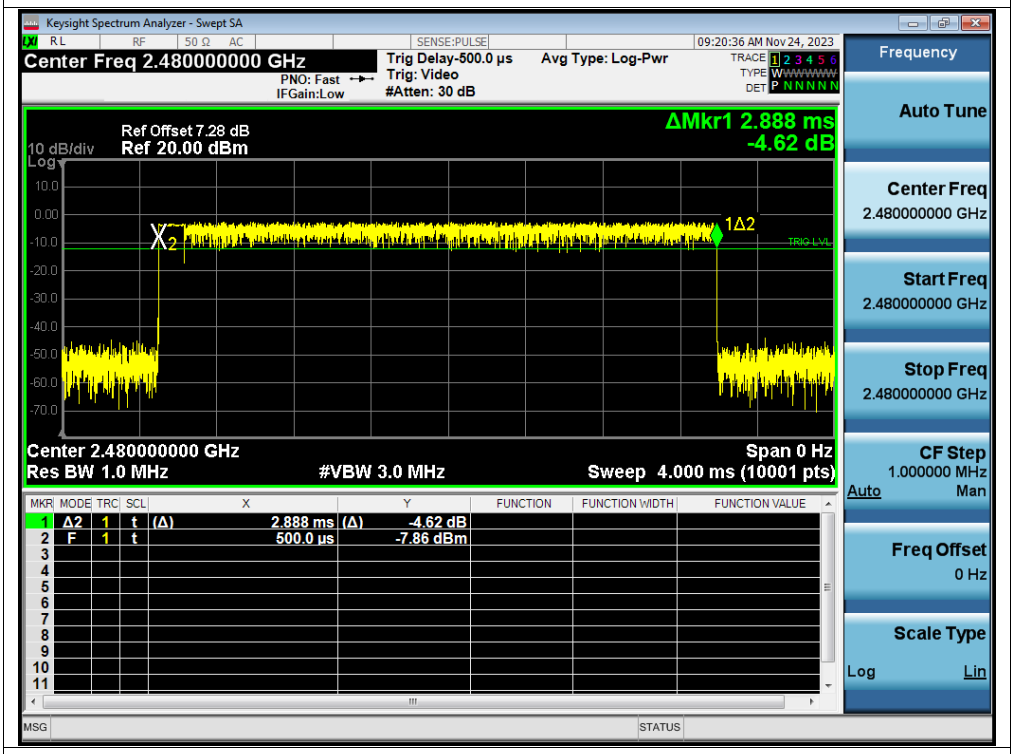
Dwell NVNT 3-DH5 2441MHz Ant1 One Burst



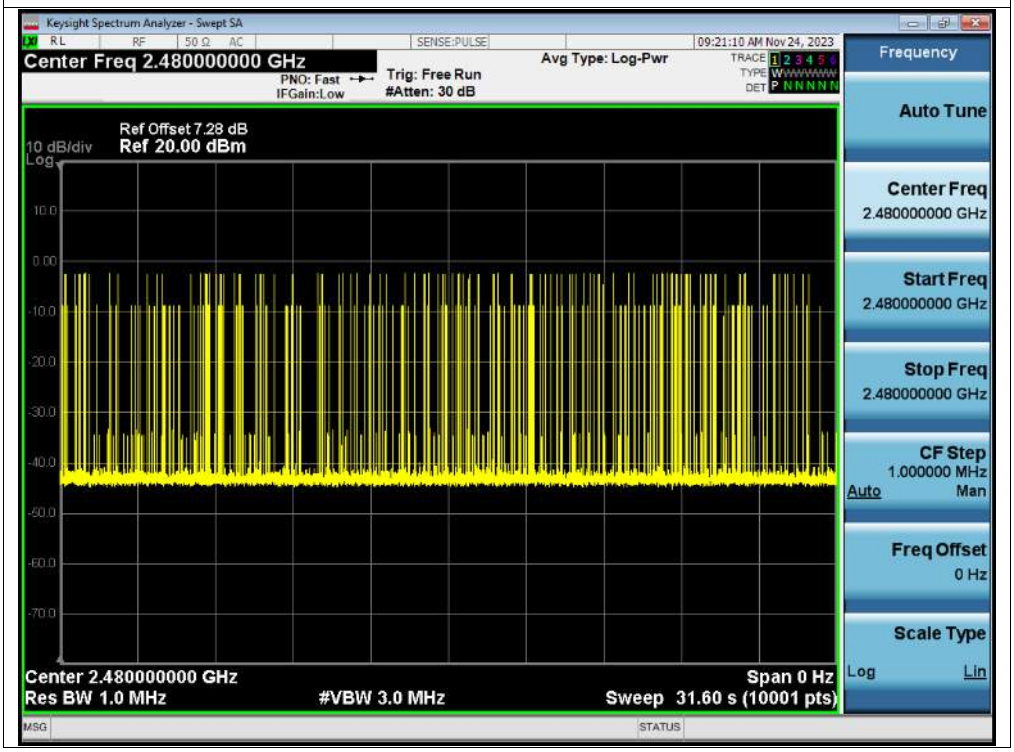
Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2480MHz Ant1 One Burst



Dwell NVNT 3-DH5 2480MHz Ant1 Accumulated



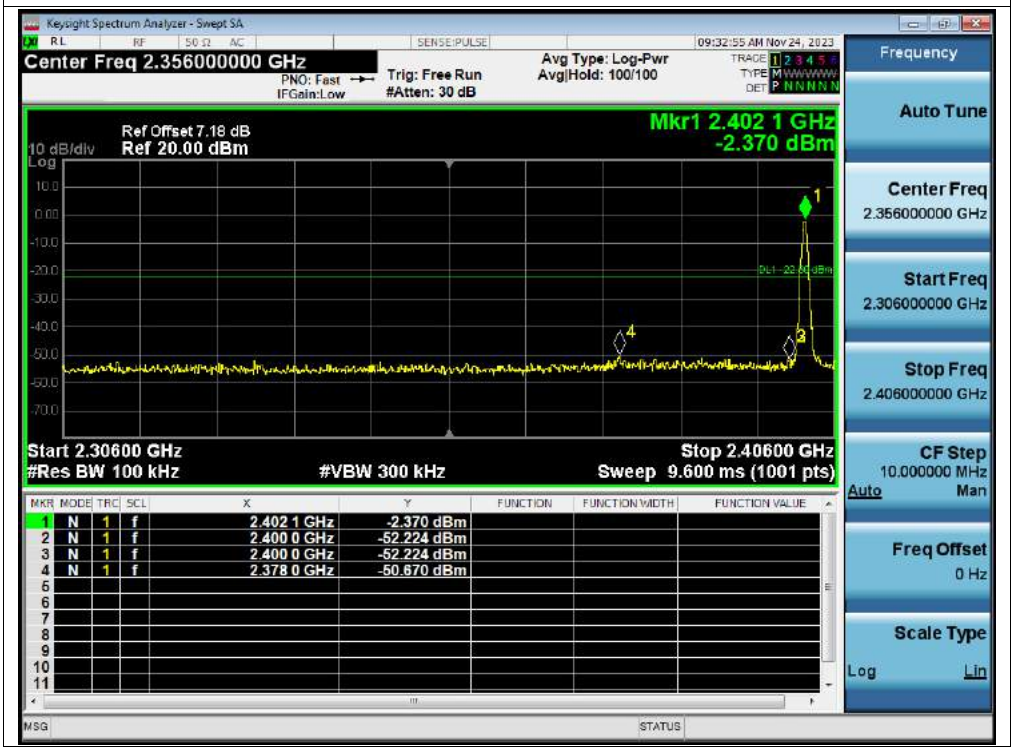
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-48.36	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-48.31	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-47.86	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-47.92	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-45.71	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-46.55	-20	Pass

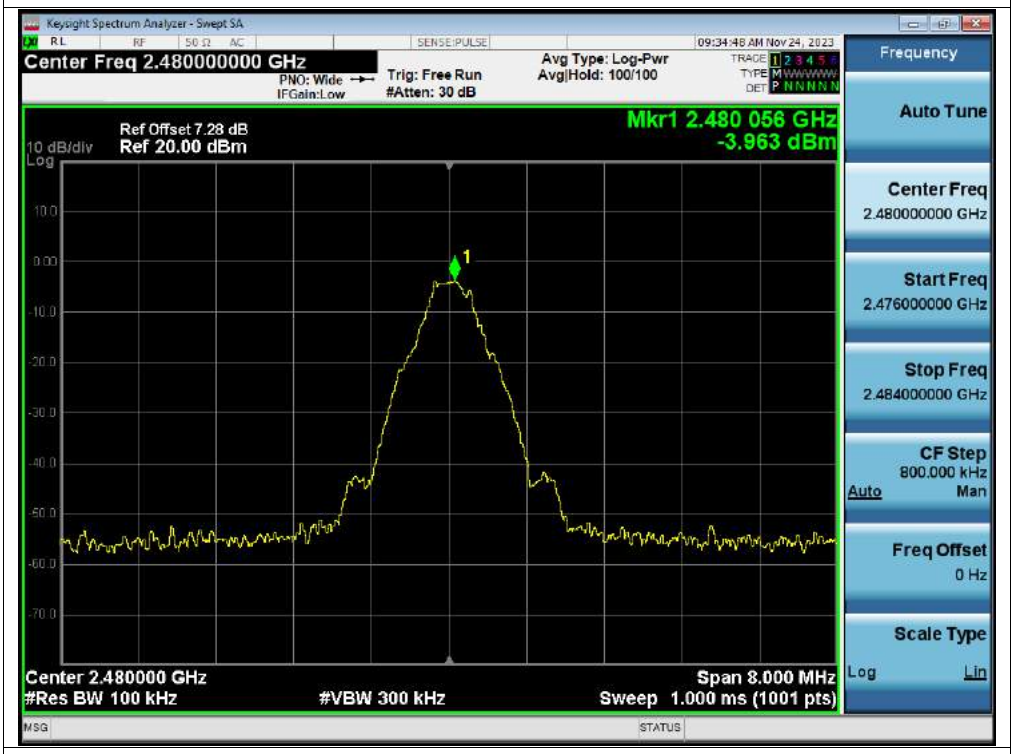
Test Graphs

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

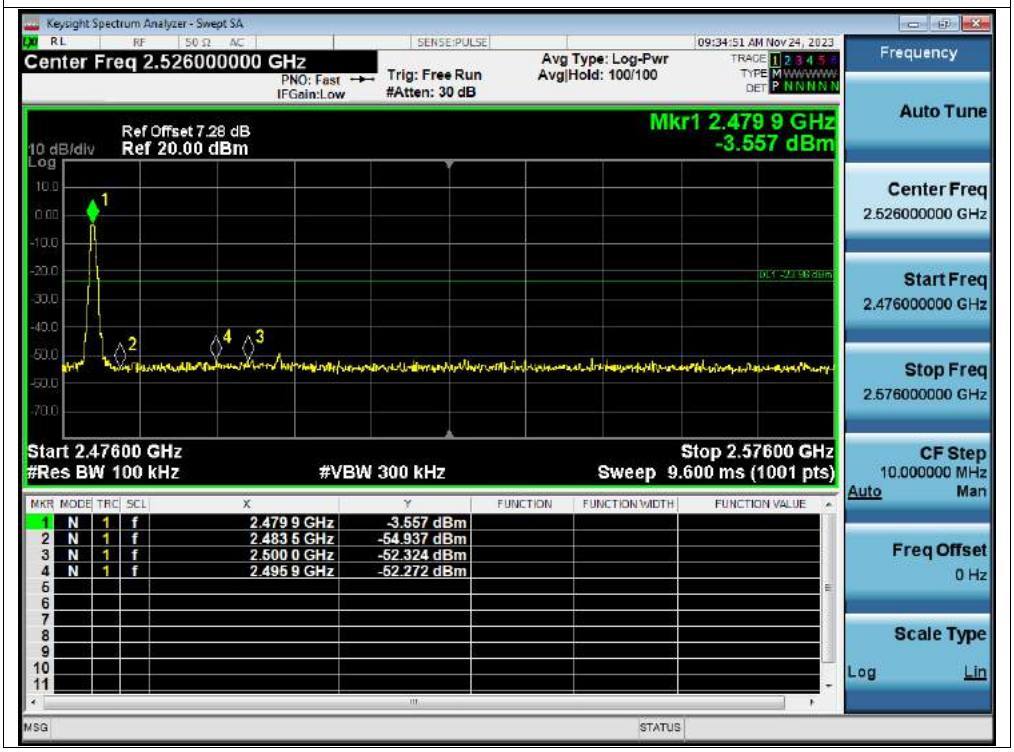
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



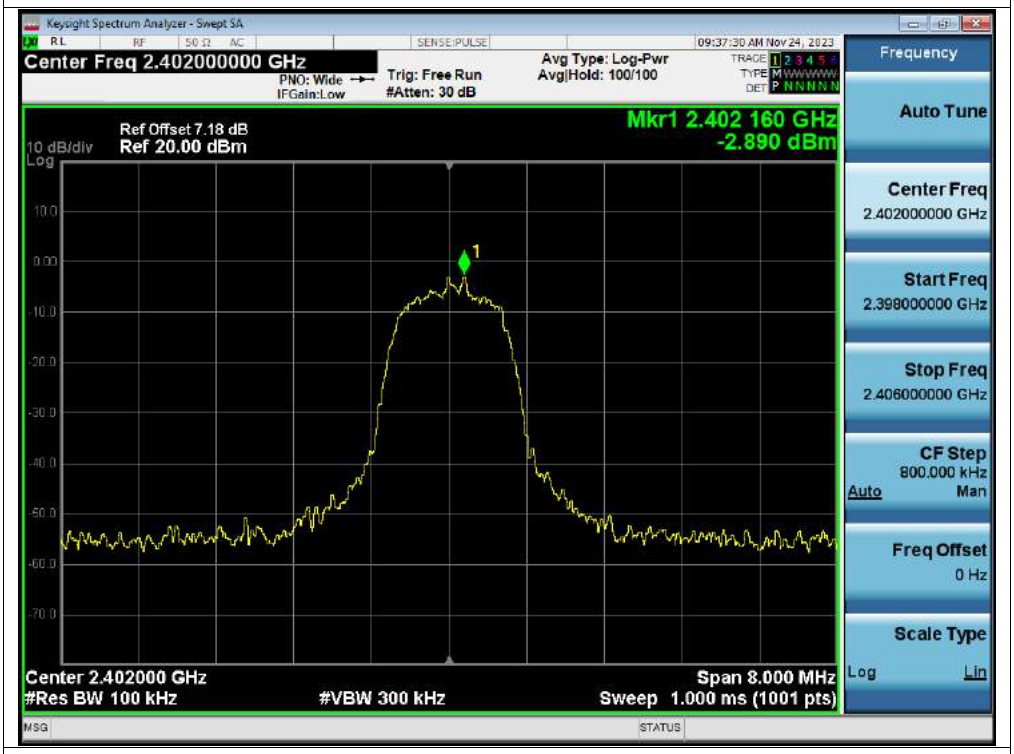
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



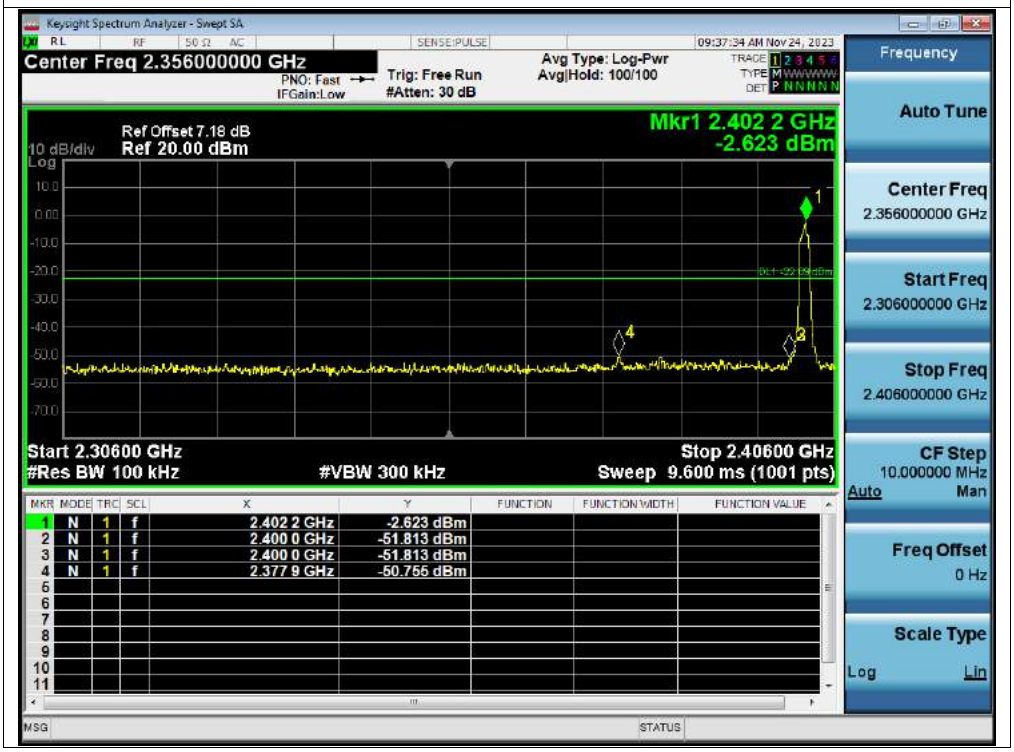
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



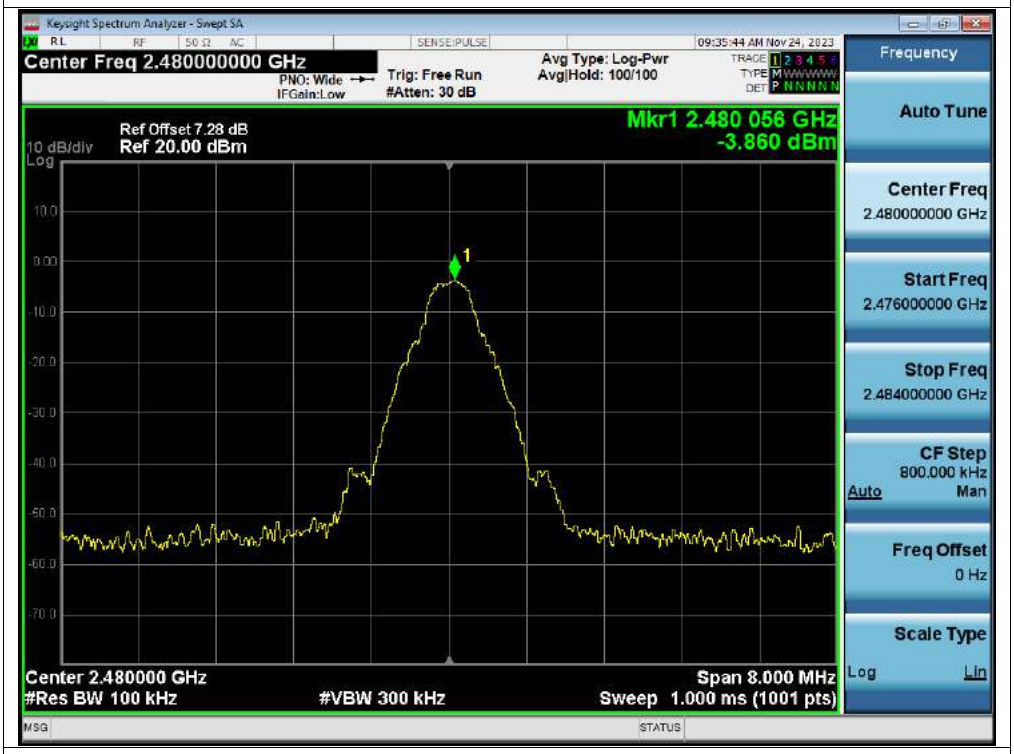
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



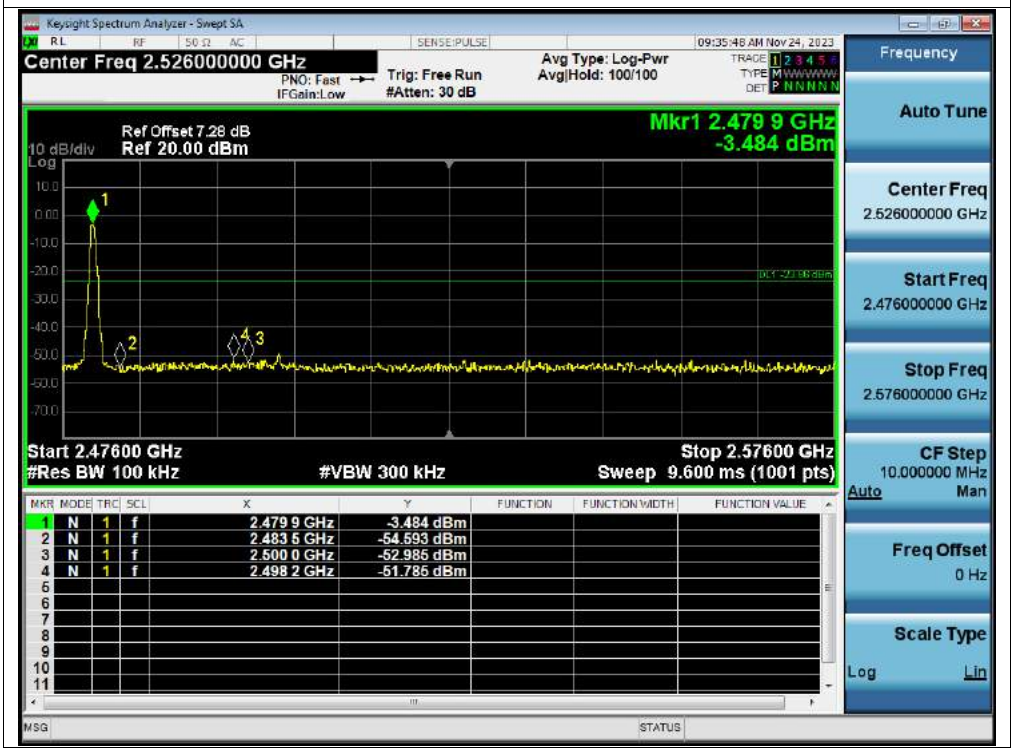
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



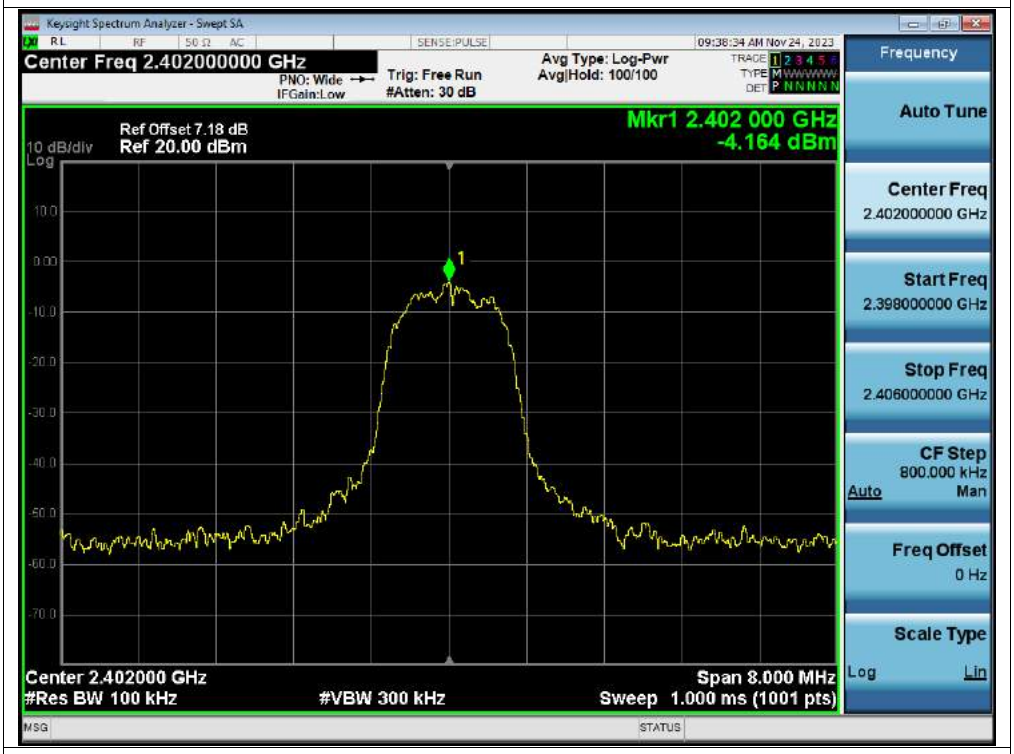
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



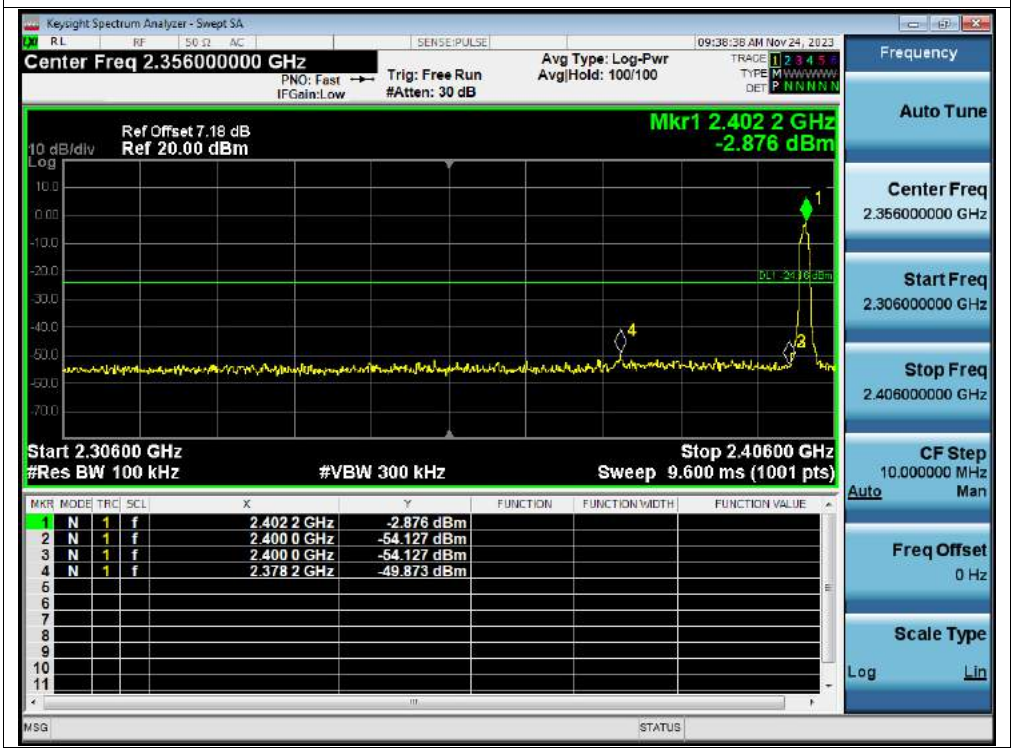
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



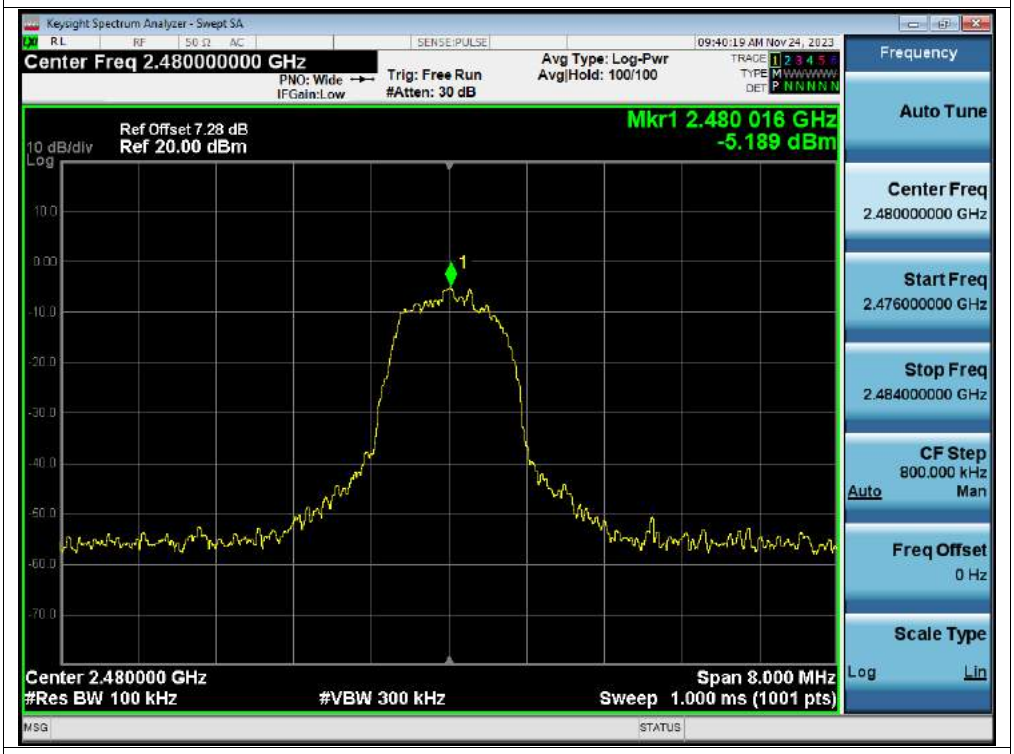
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



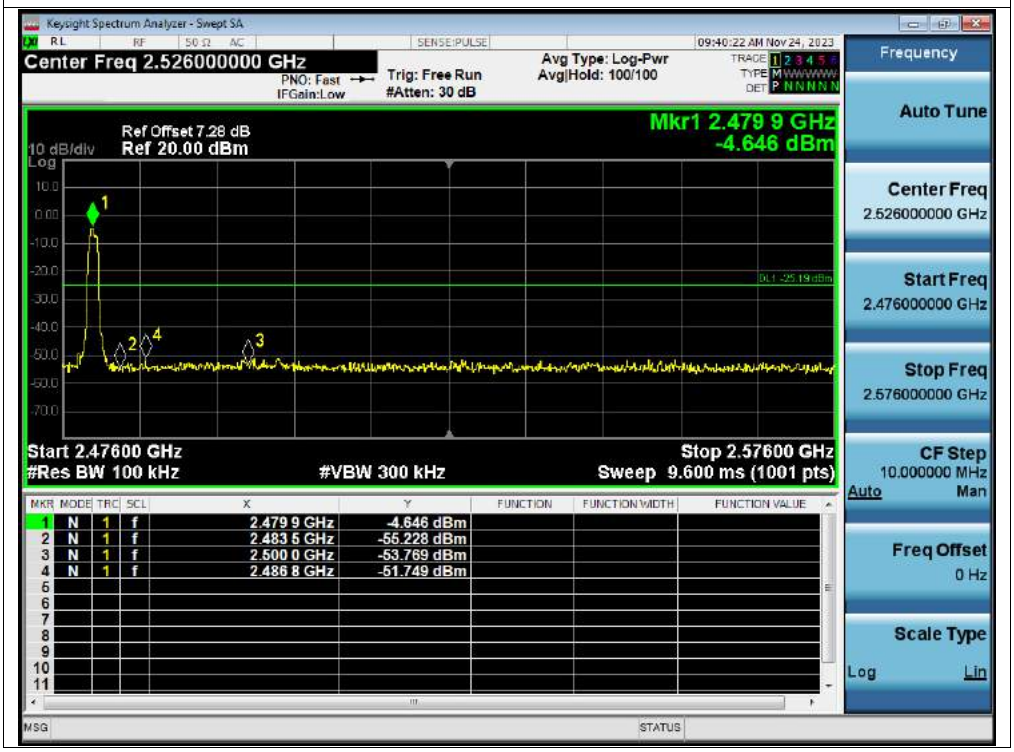
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission



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



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



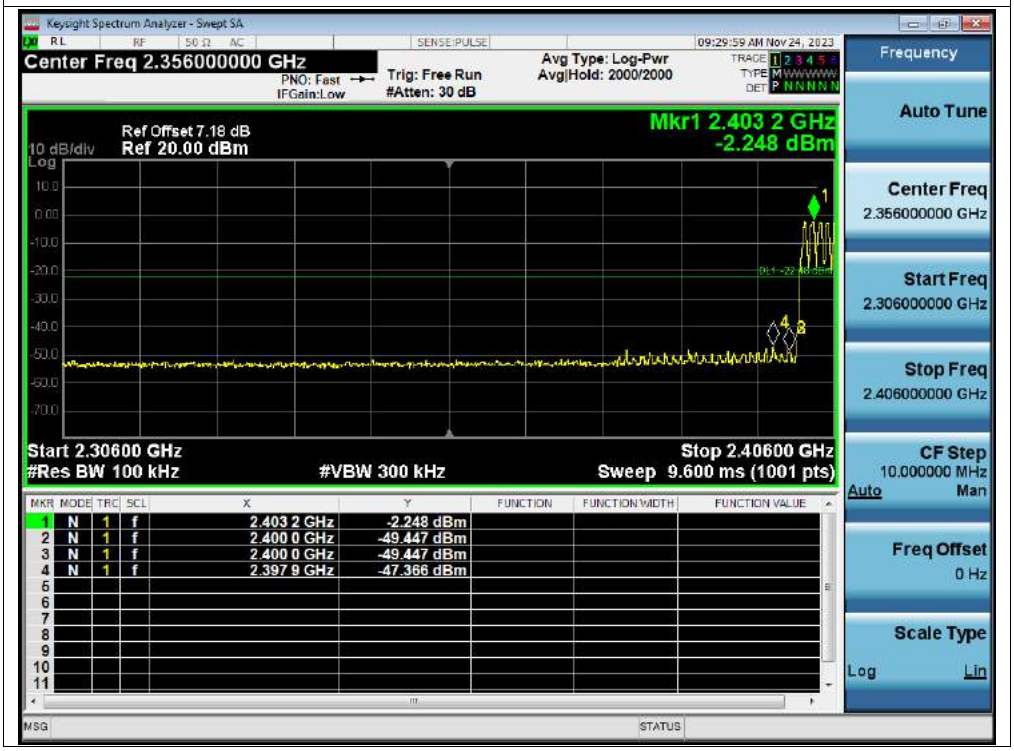
Band Edge(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-44.88	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-45.48	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-47.13	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-46.81	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-47.36	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-46.83	-20	Pass

Test Graphs

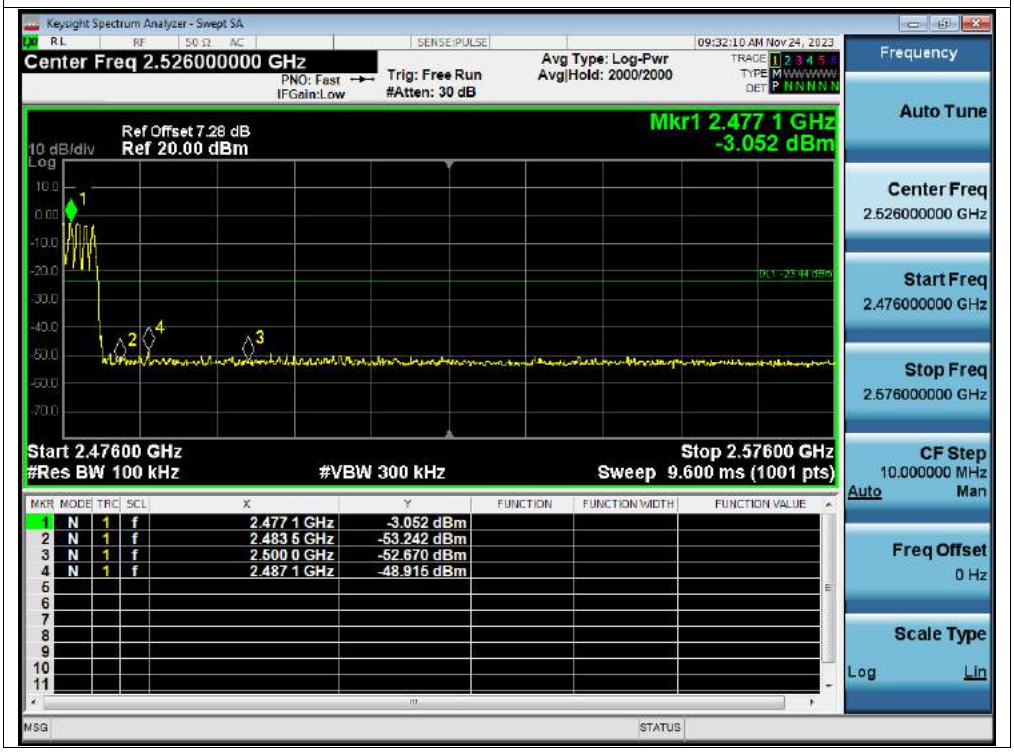
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref

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



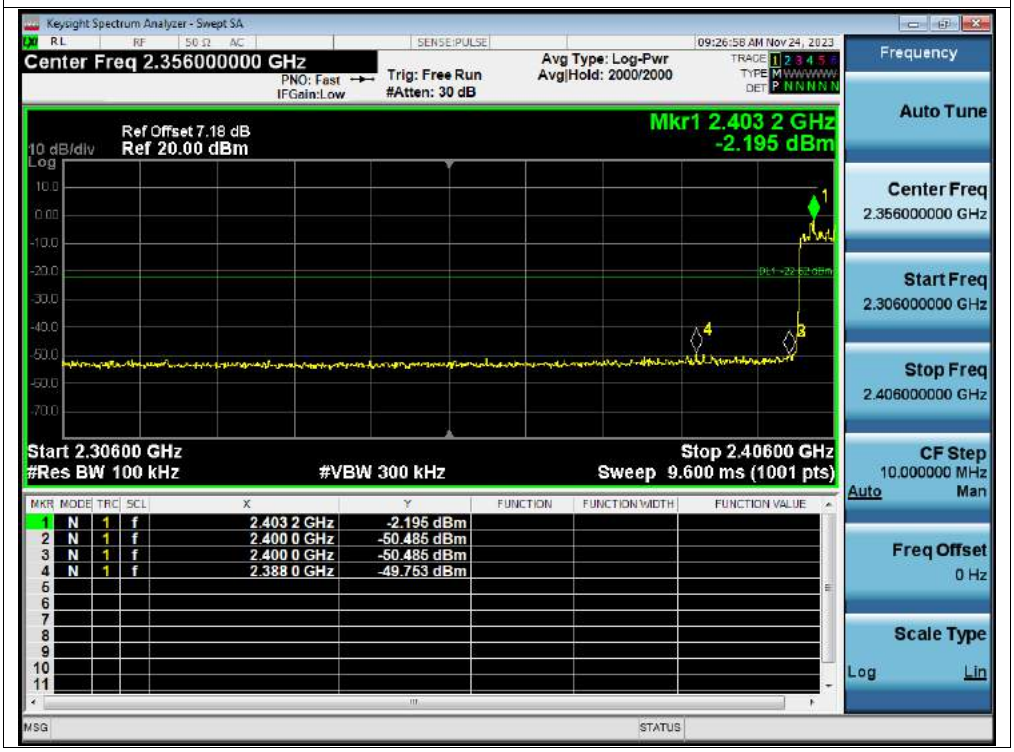
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref

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



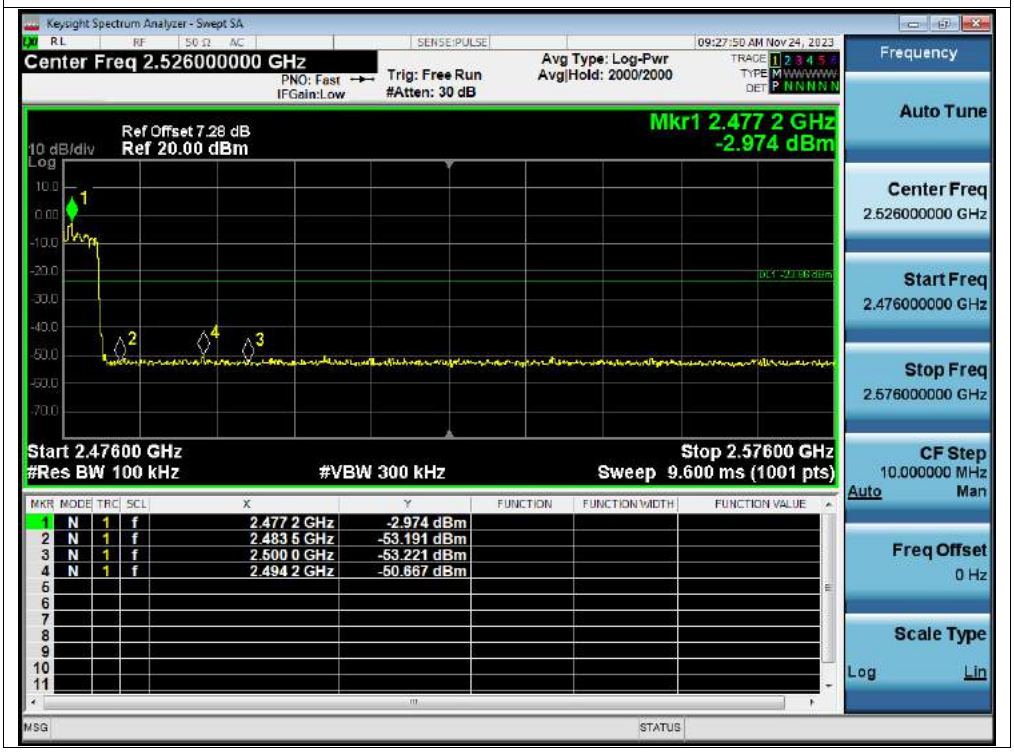
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref

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



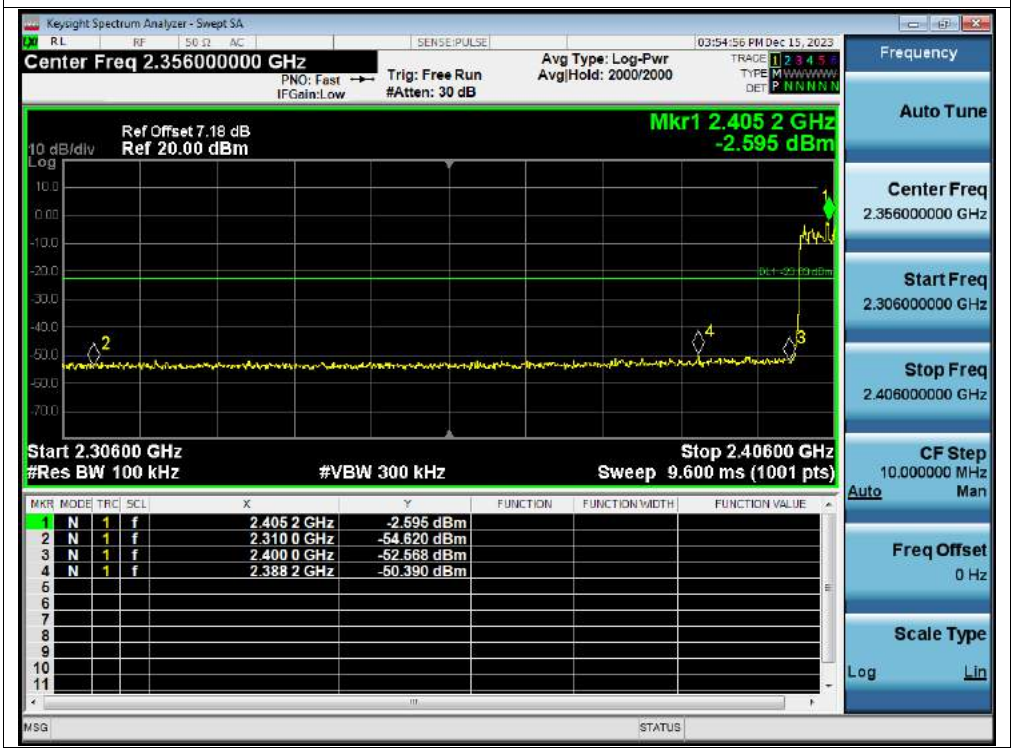
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref

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



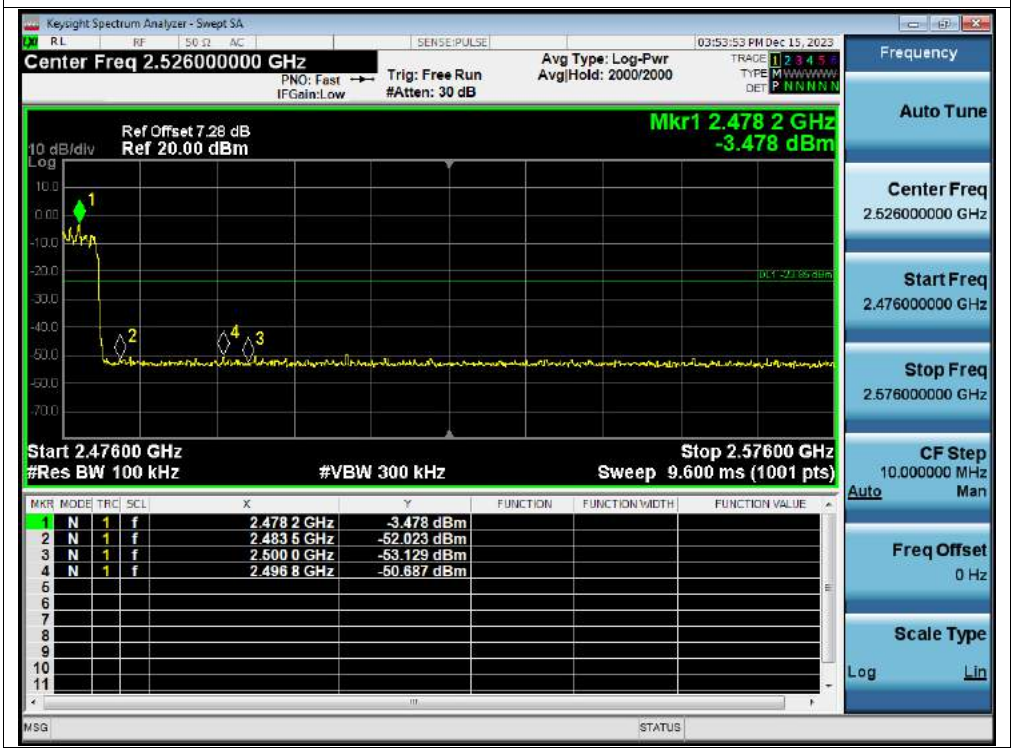
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref

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



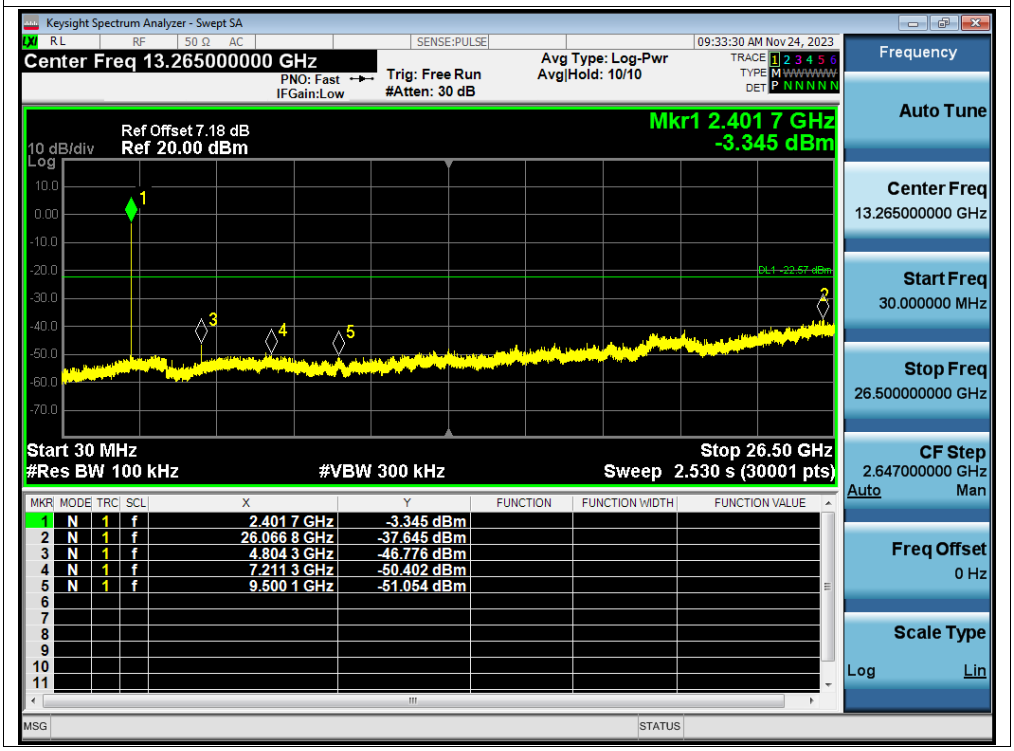
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-35.07	-20	Pass
NVNT	1-DH5	2441	Ant1	-35.92	-20	Pass
NVNT	1-DH5	2480	Ant1	-33.92	-20	Pass
NVNT	2-DH5	2402	Ant1	-36.08	-20	Pass
NVNT	2-DH5	2441	Ant1	-36.13	-20	Pass
NVNT	2-DH5	2480	Ant1	-33.22	-20	Pass
NVNT	3-DH5	2402	Ant1	-36.32	-20	Pass
NVNT	3-DH5	2441	Ant1	-36.15	-20	Pass
NVNT	3-DH5	2480	Ant1	-34.62	-20	Pass

Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission

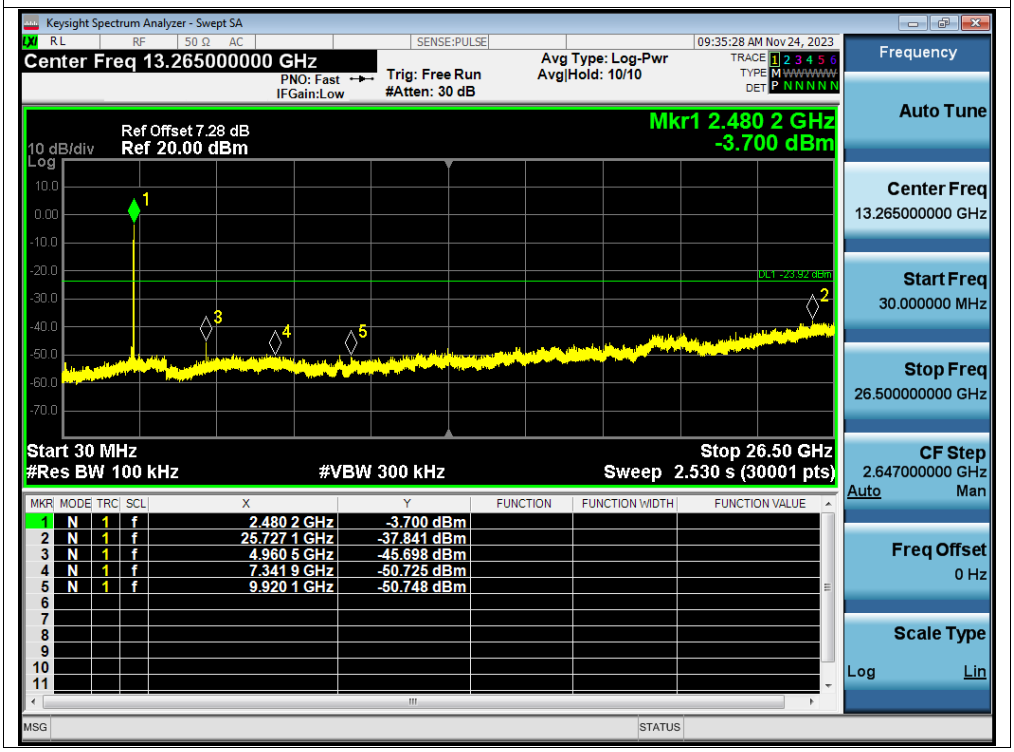


Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref

Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission

Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref

Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission

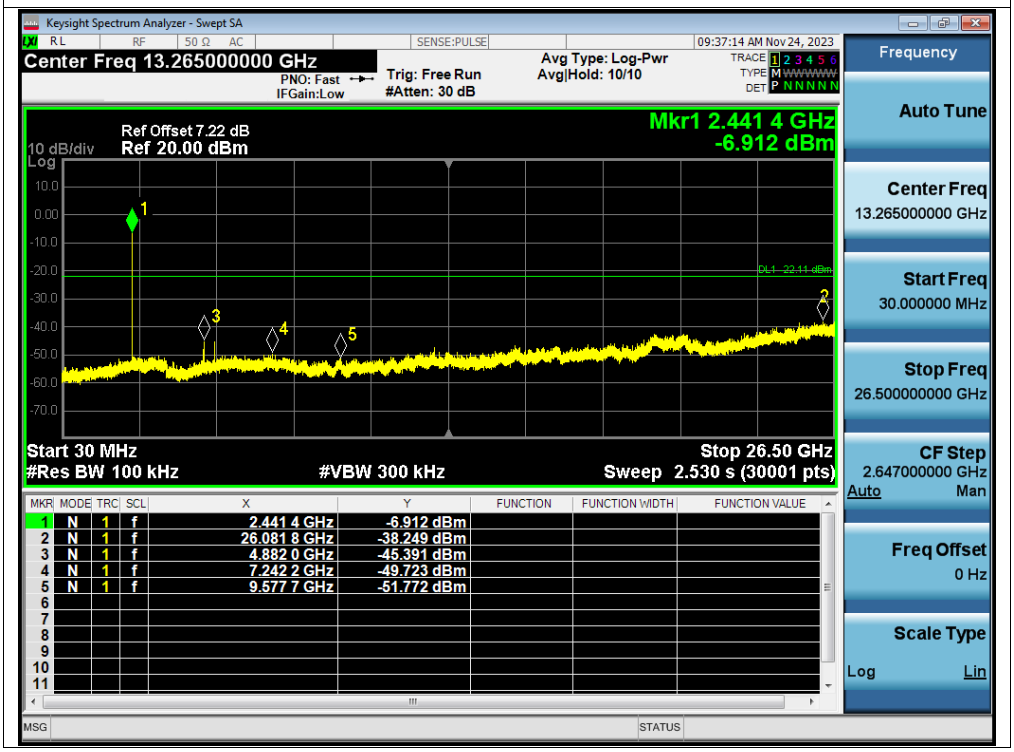


Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref

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