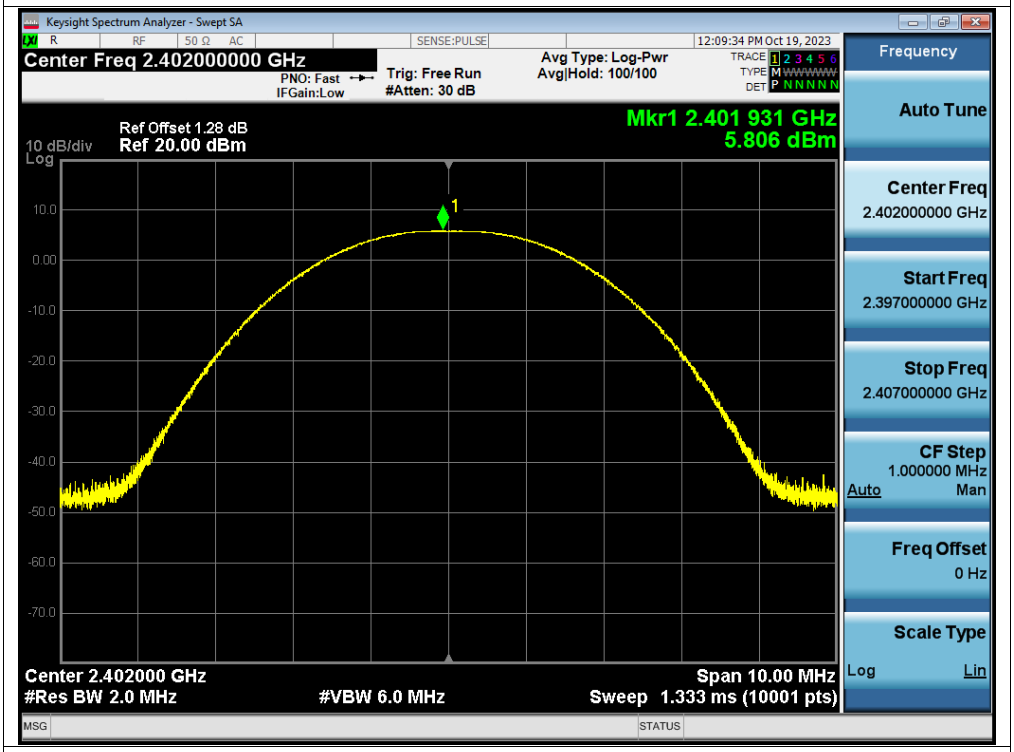
Appendix A

Maximum Conducted Output Power

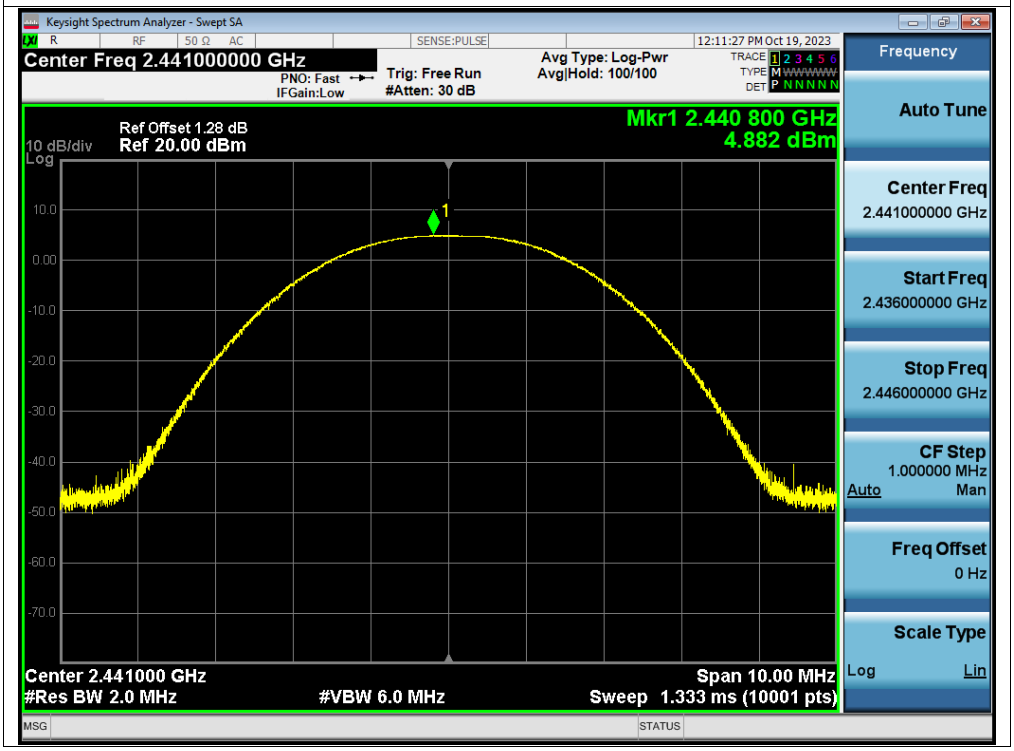
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	5.81	0	5.81	21	Pass
NVNT	1-DH5	2441	Ant1	4.88	0	4.88	21	Pass
NVNT	1-DH5	2480	Ant1	3.47	0	3.47	21	Pass
NVNT	2-DH5	2402	Ant1	6.42	0	6.42	21	Pass
NVNT	2-DH5	2441	Ant1	5.56	0	5.56	21	Pass
NVNT	2-DH5	2480	Ant1	4.24	0	4.24	21	Pass
NVNT	3-DH5	2402	Ant1	5.78	0	5.78	21	Pass
NVNT	3-DH5	2441	Ant1	4.93	0	4.93	21	Pass
NVNT	3-DH5	2480	Ant1	3.58	0	3.58	21	Pass

Test Graphs

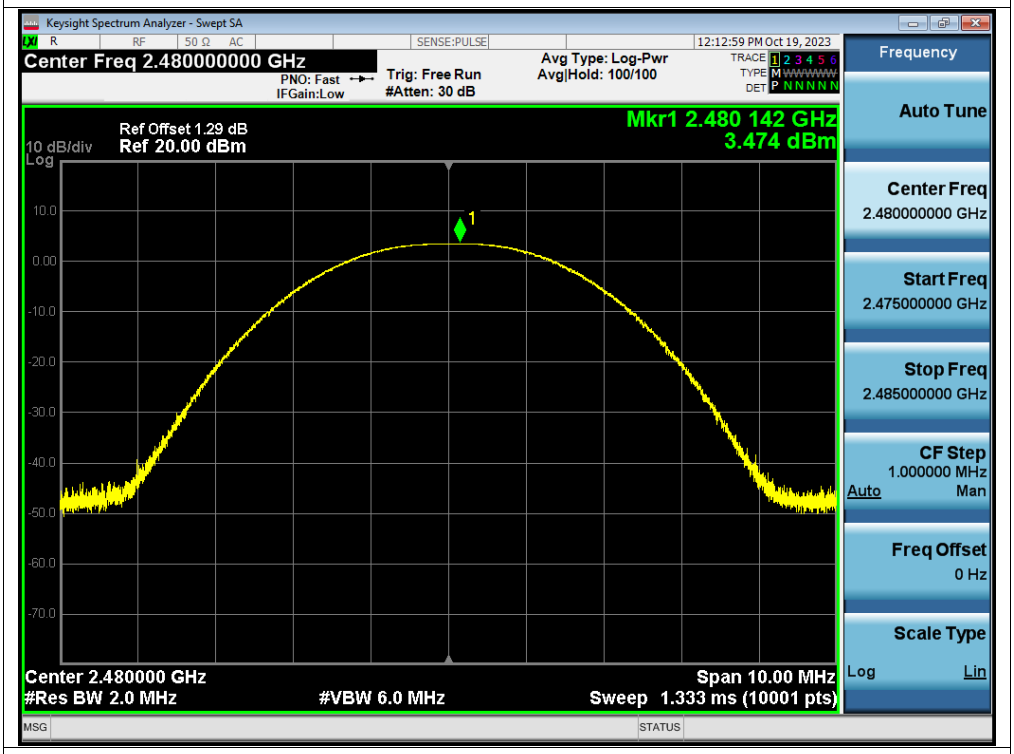
Power NVNT 1-DH5 2402MHz Ant1



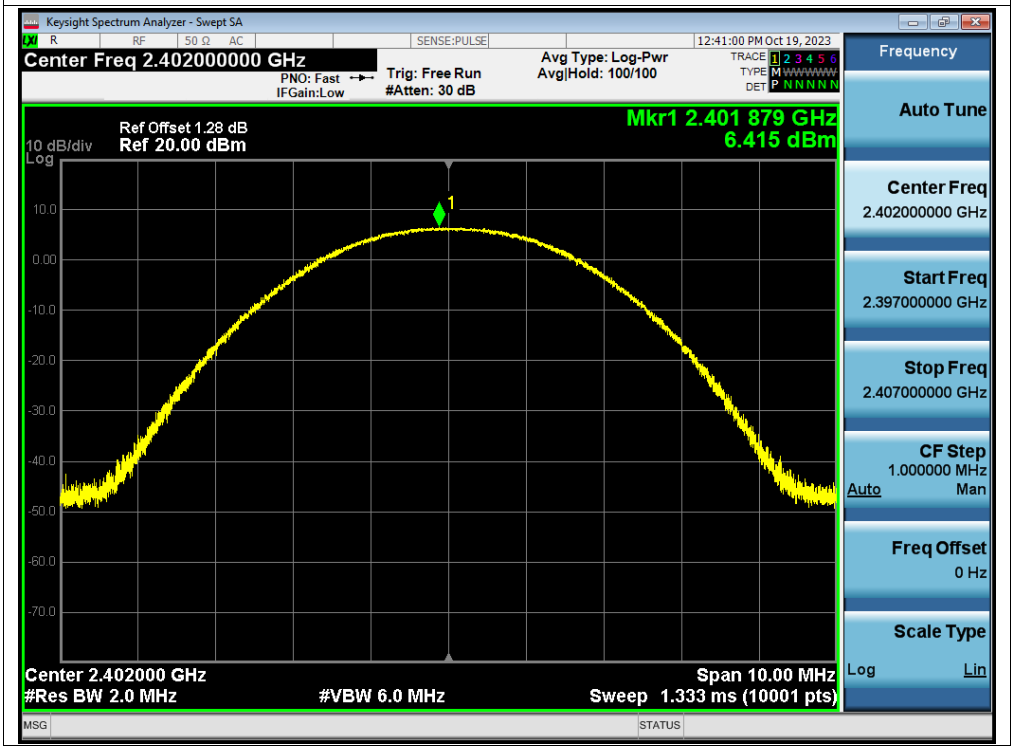
Power NVNT 1-DH5 2441MHz Ant1



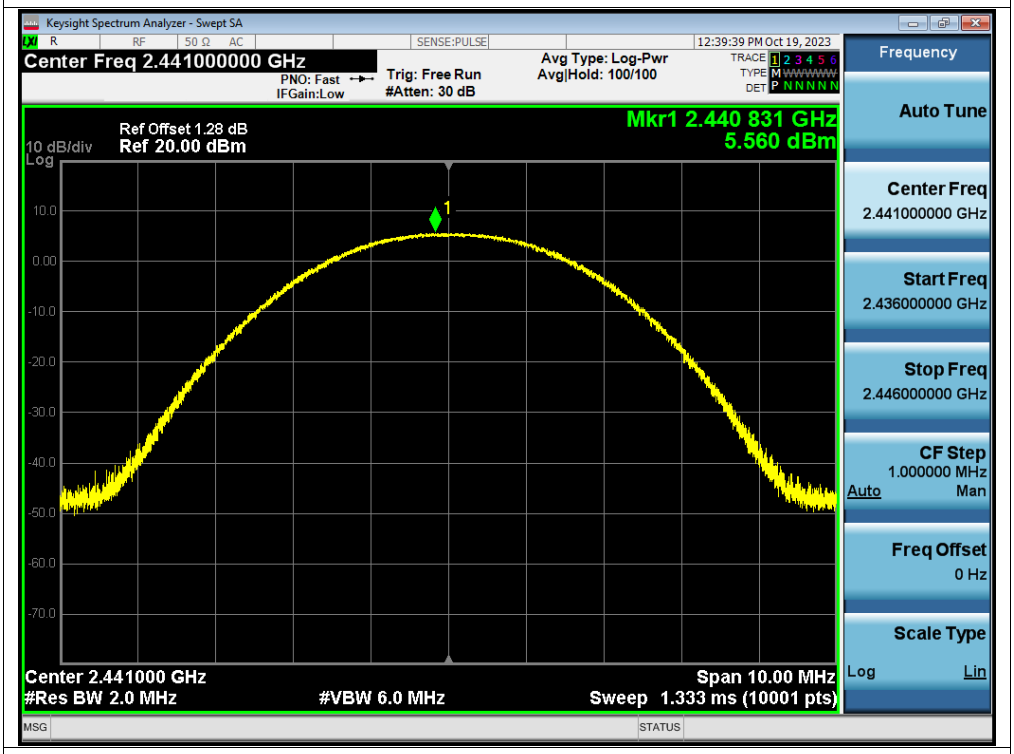
Power NVNT 1-DH5 2480MHz Ant1



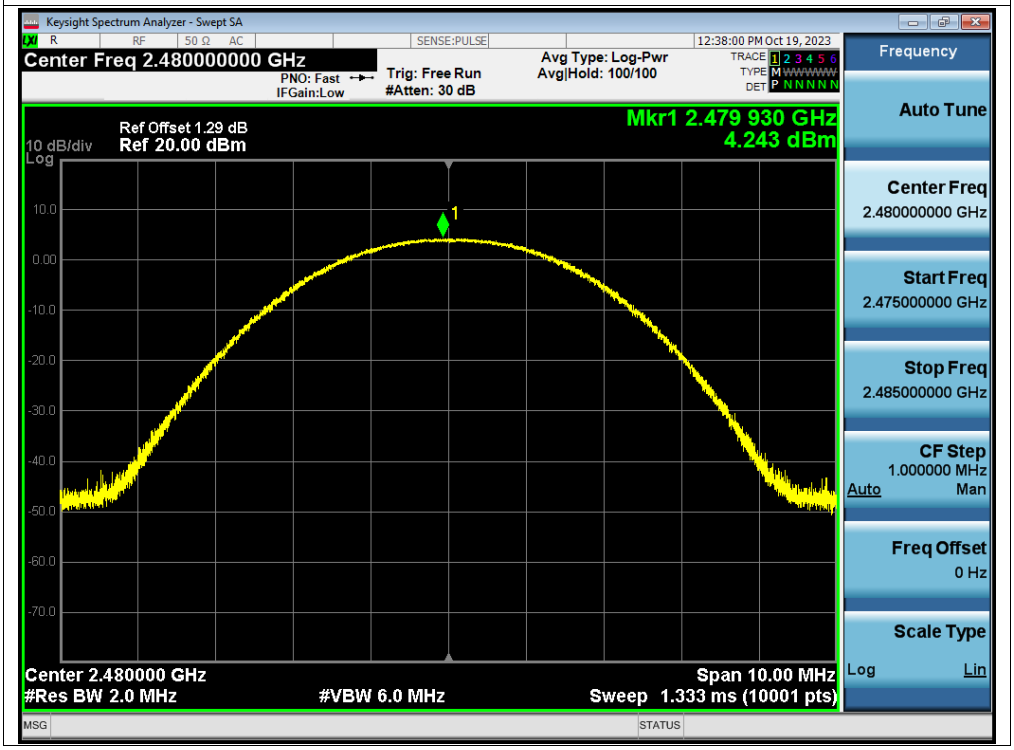
Power NVNT 2-DH5 2402MHz Ant1



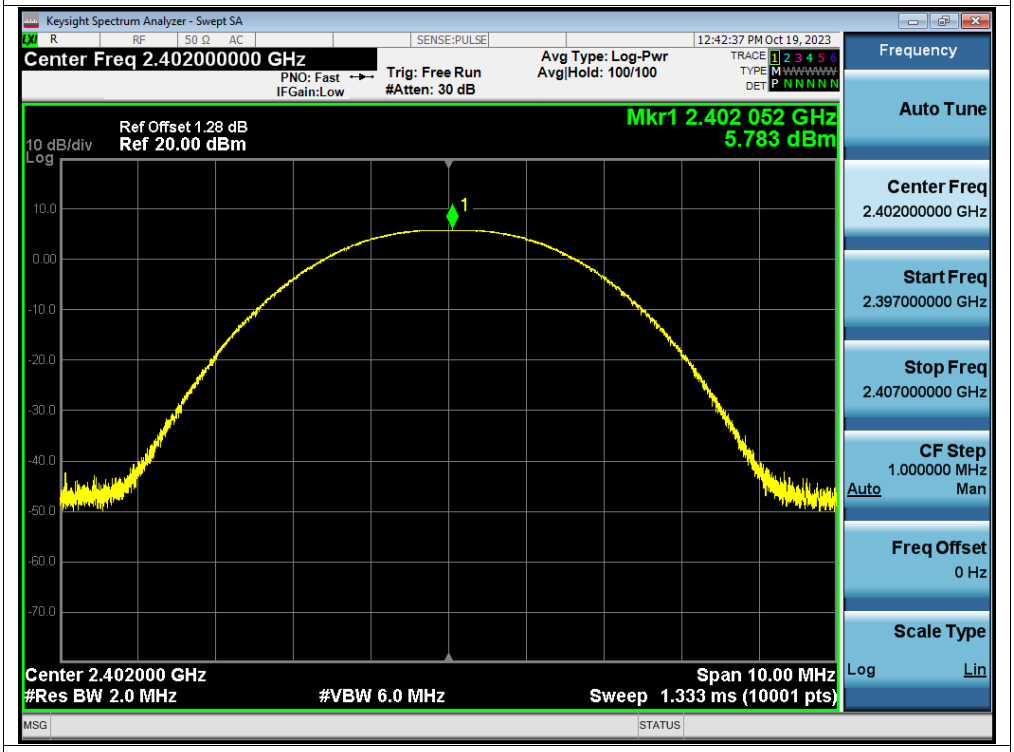
Power NVNT 2-DH5 2441MHz Ant1



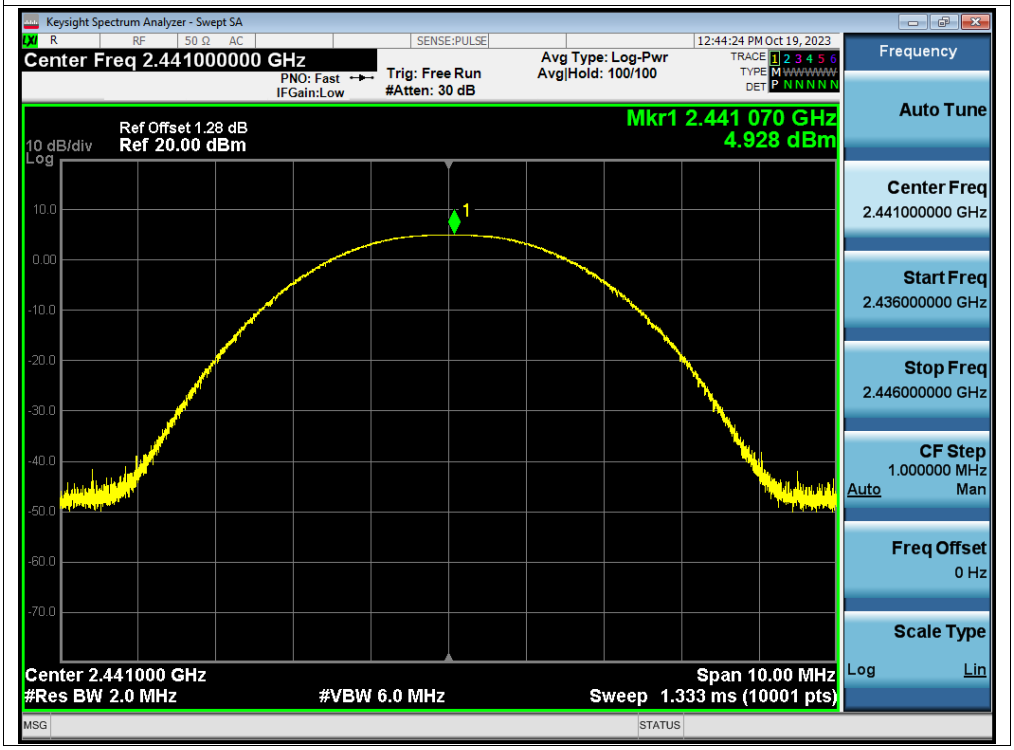
Power NVNT 2-DH5 2480MHz Ant1



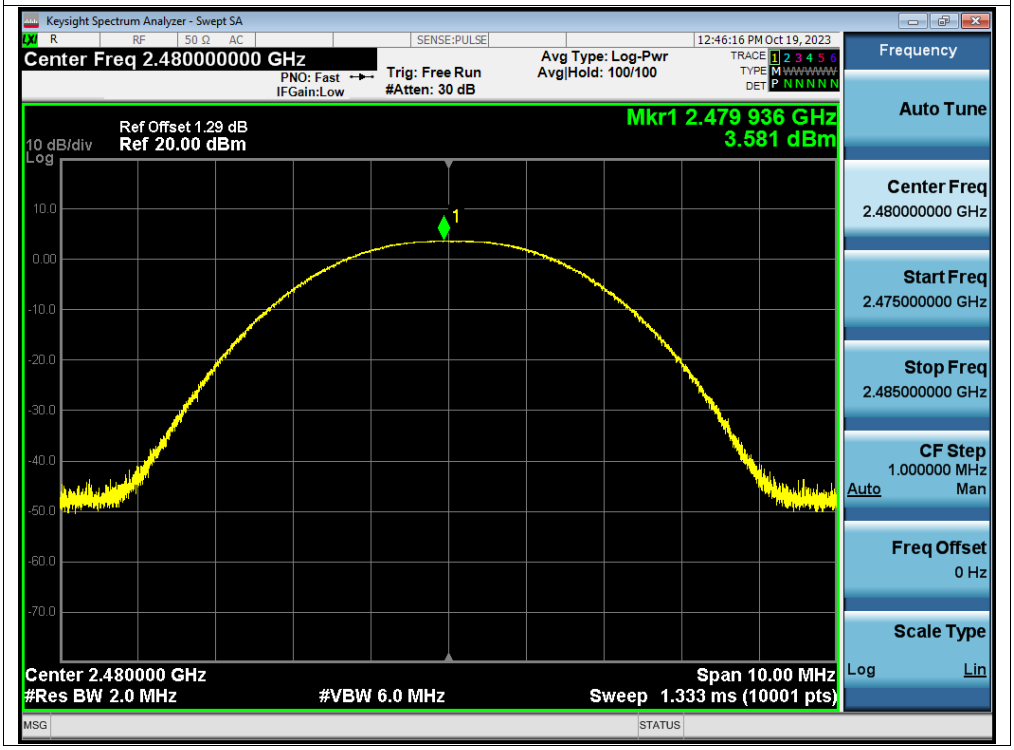
Power NVNT 3-DH5 2402MHz Ant1



Power NVNT 3-DH5 2441MHz Ant1



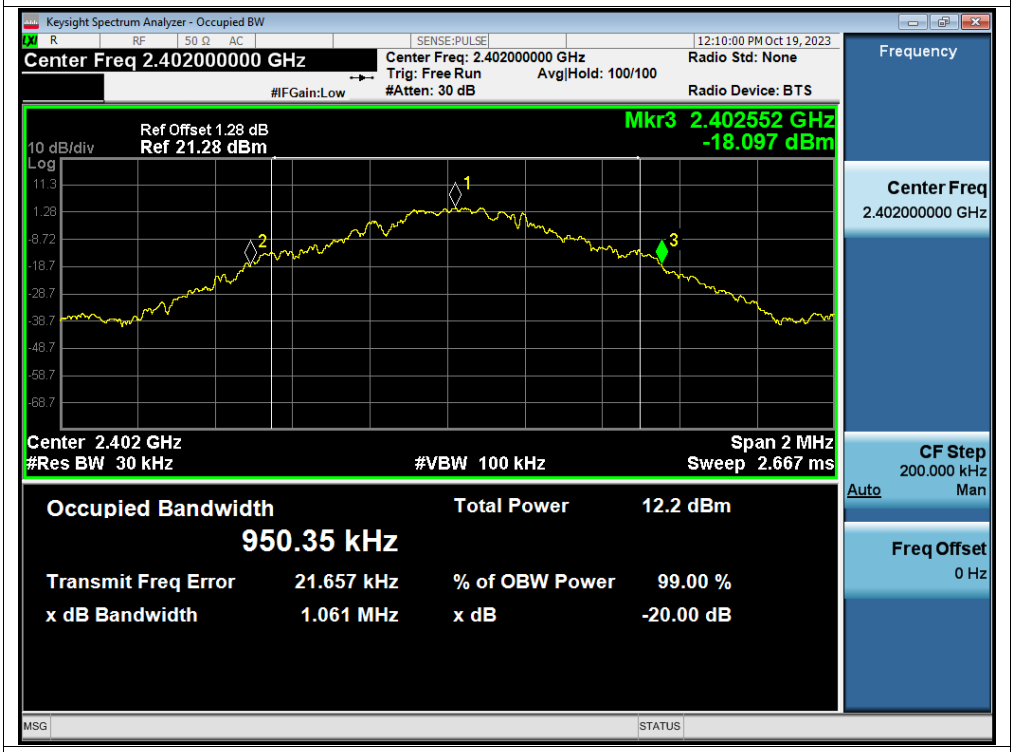
Power NVNT 3-DH5 2480MHz Ant1



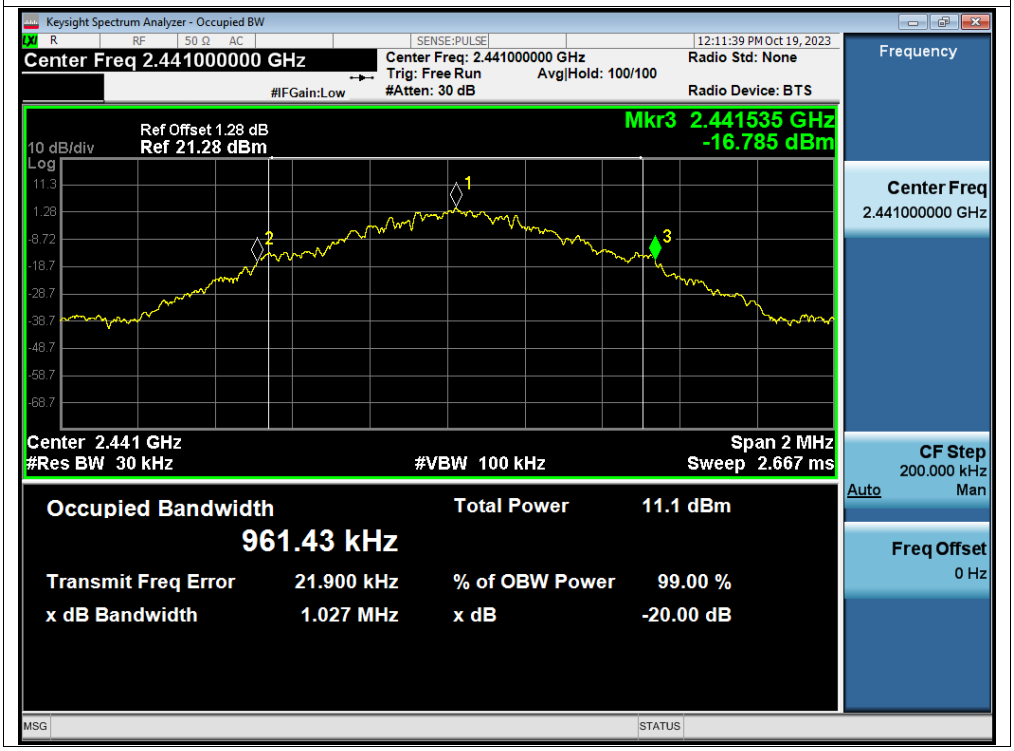
-20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1.061	0	Pass
NVNT	1-DH5	2441	Ant1	1.027	0	Pass
NVNT	1-DH5	2480	Ant1	1.044	0	Pass
NVNT	2-DH5	2402	Ant1	1.332	0	Pass
NVNT	2-DH5	2441	Ant1	1.329	0	Pass
NVNT	2-DH5	2480	Ant1	1.321	0	Pass
NVNT	3-DH5	2402	Ant1	1.042	0	Pass
NVNT	3-DH5	2441	Ant1	1.034	0	Pass
NVNT	3-DH5	2480	Ant1	1.029	0	Pass

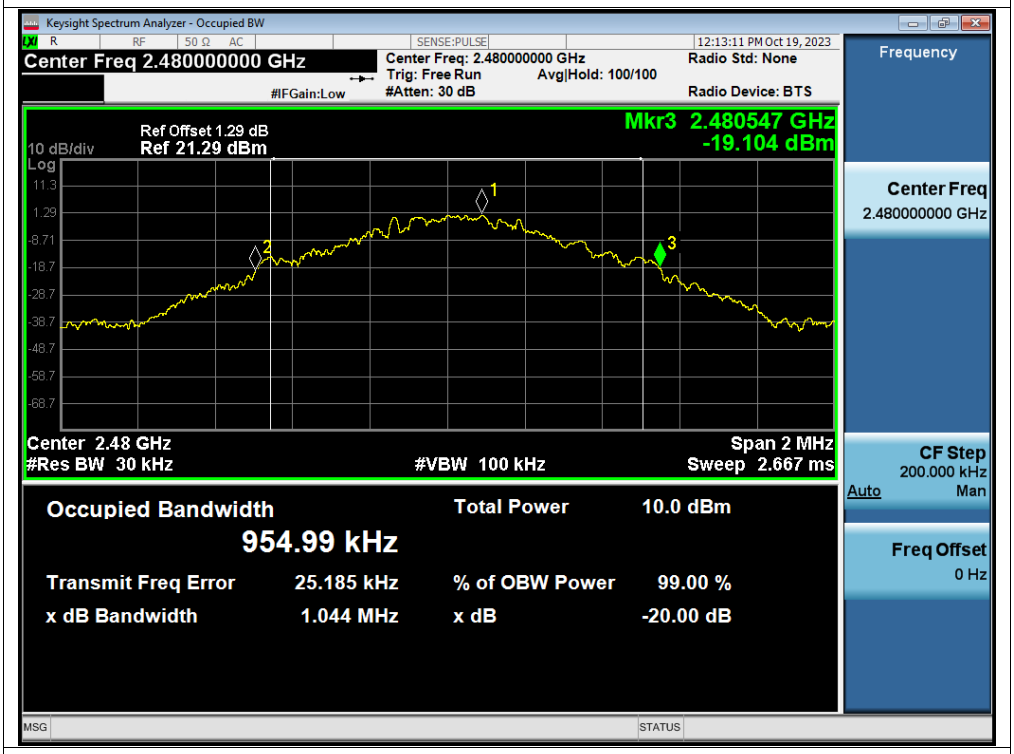
Test Graphs
-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



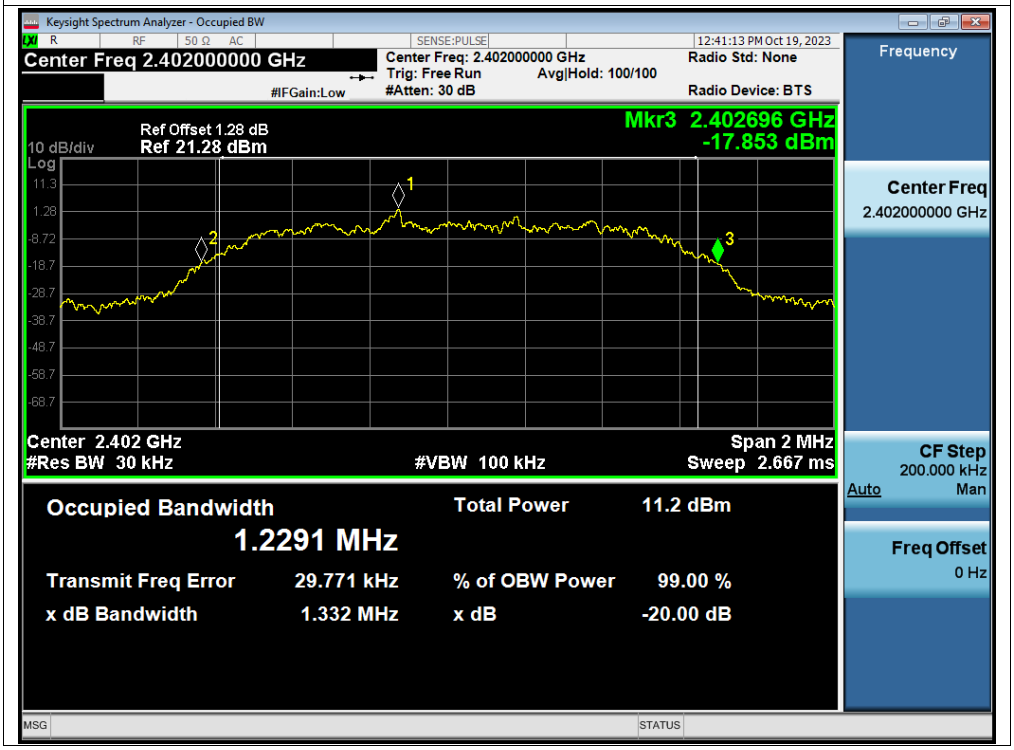
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



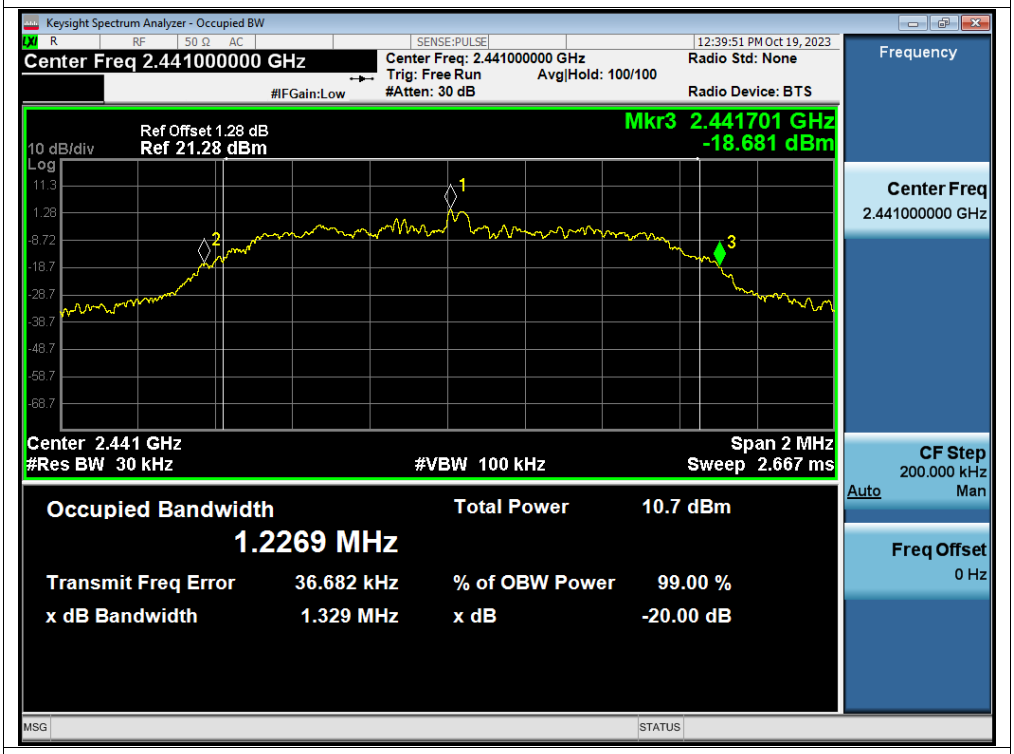
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



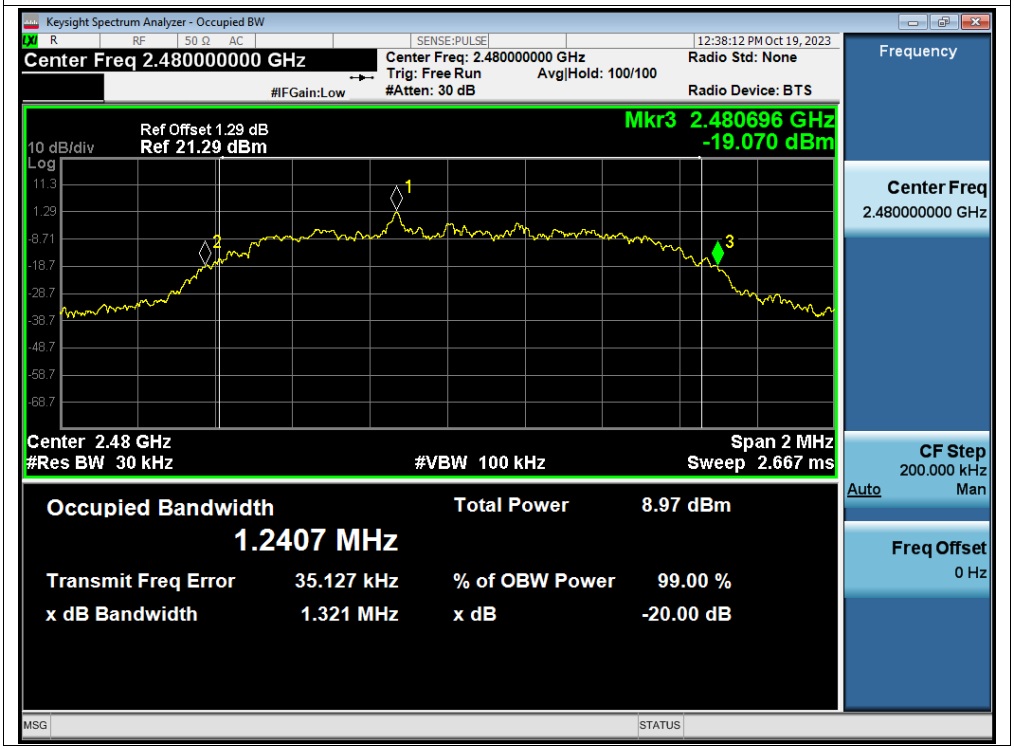
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



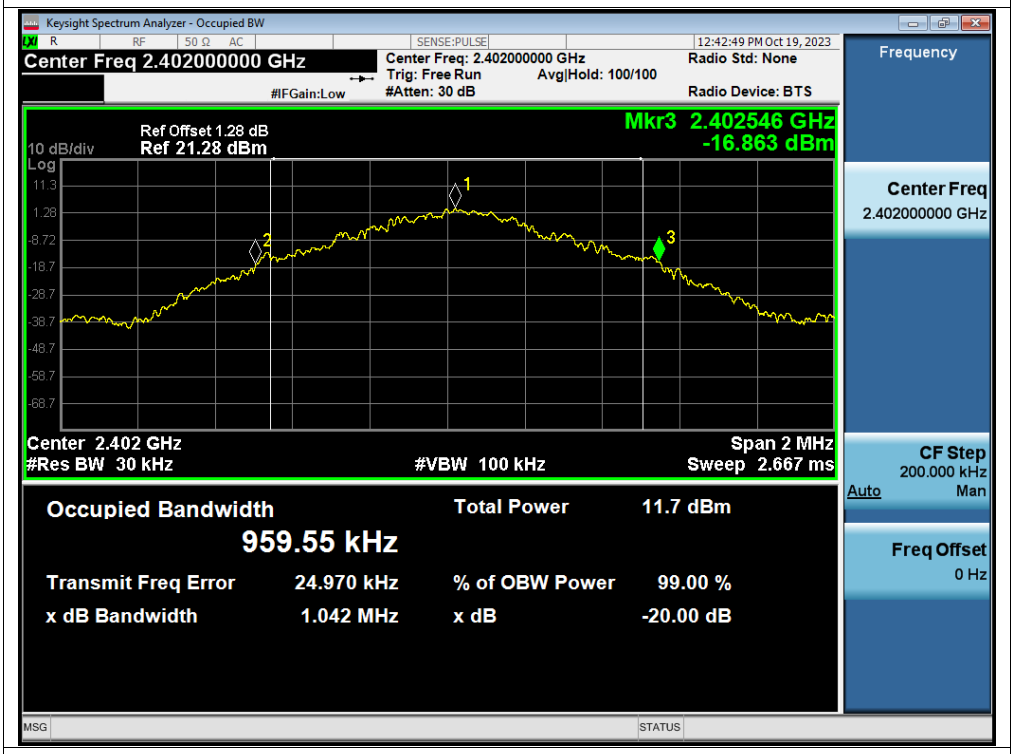
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



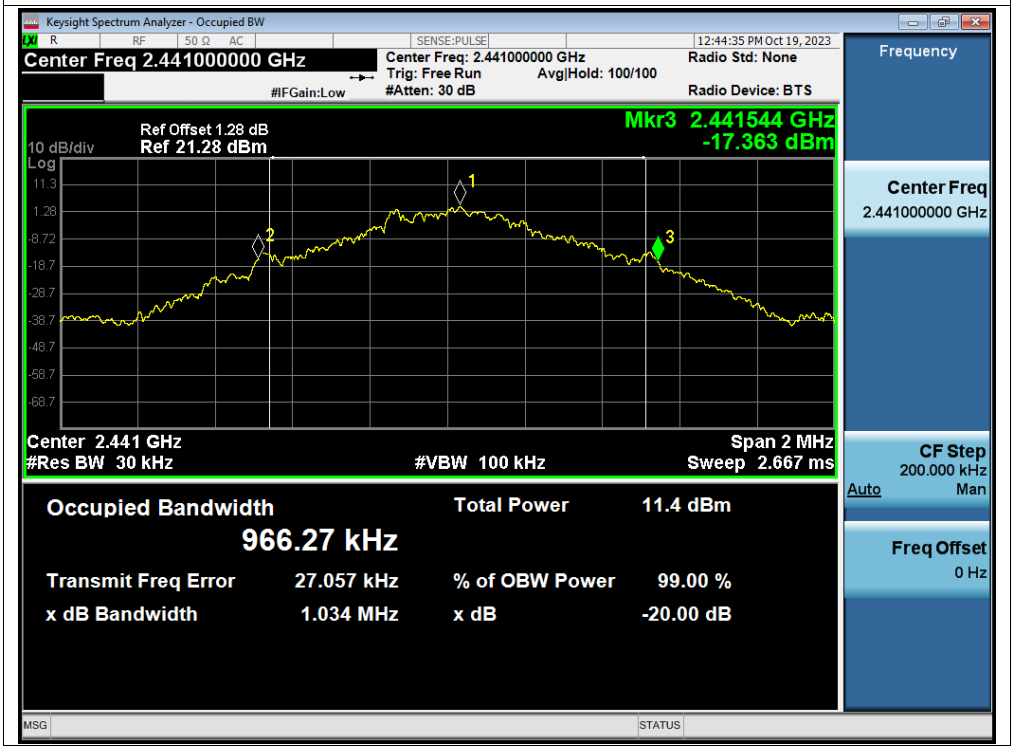
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



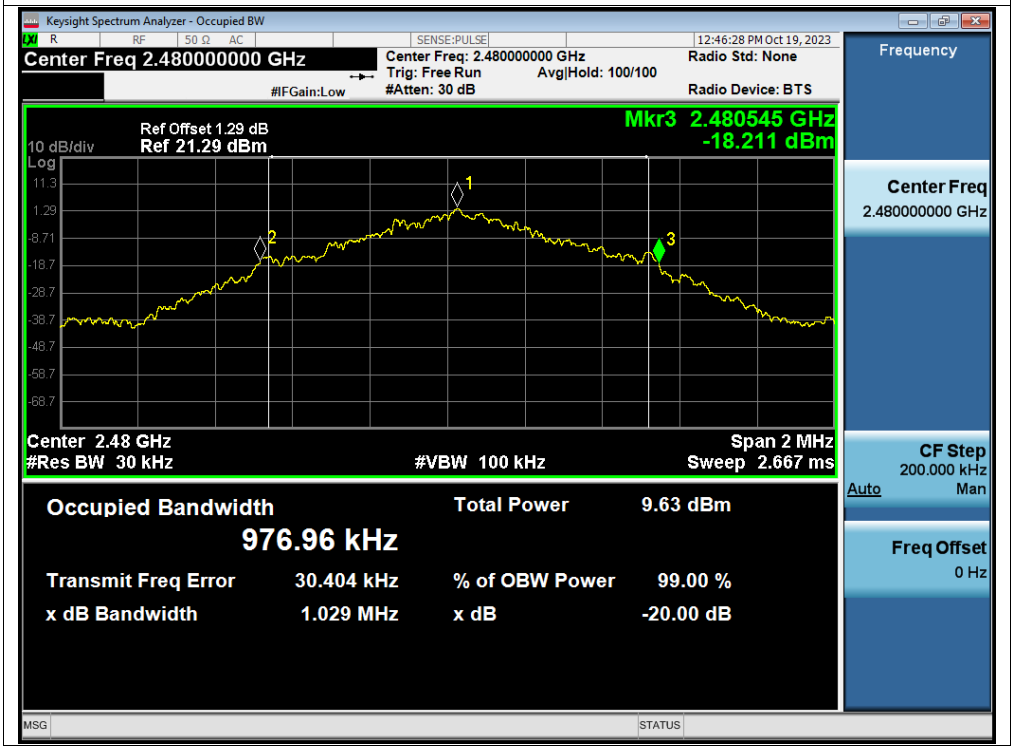
-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



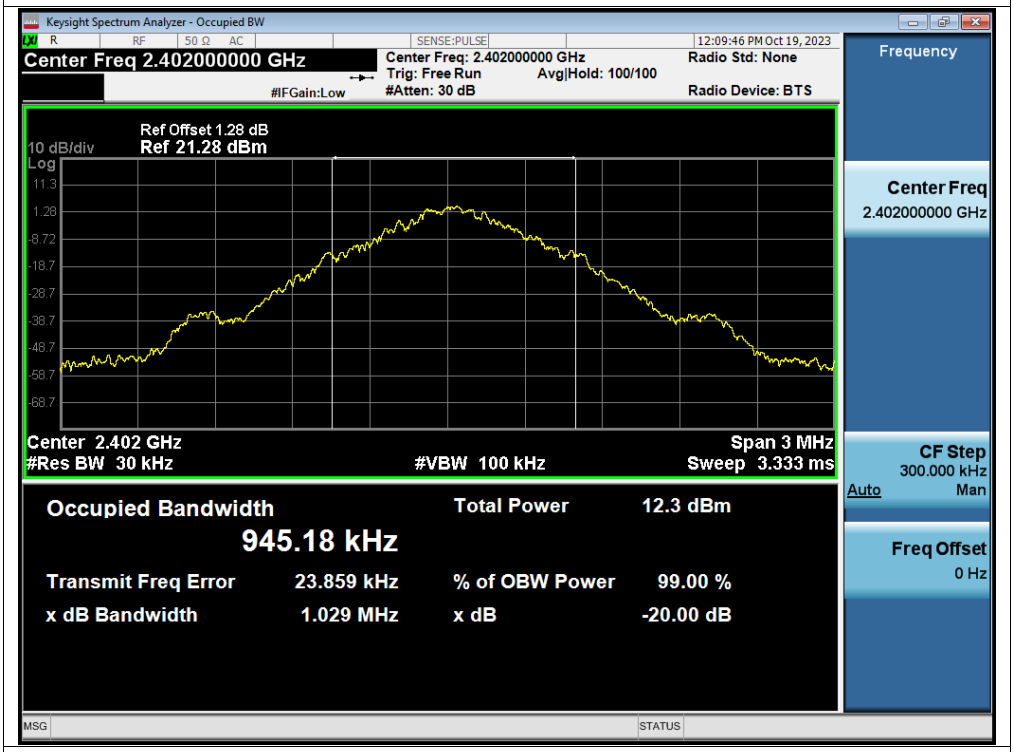
-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1



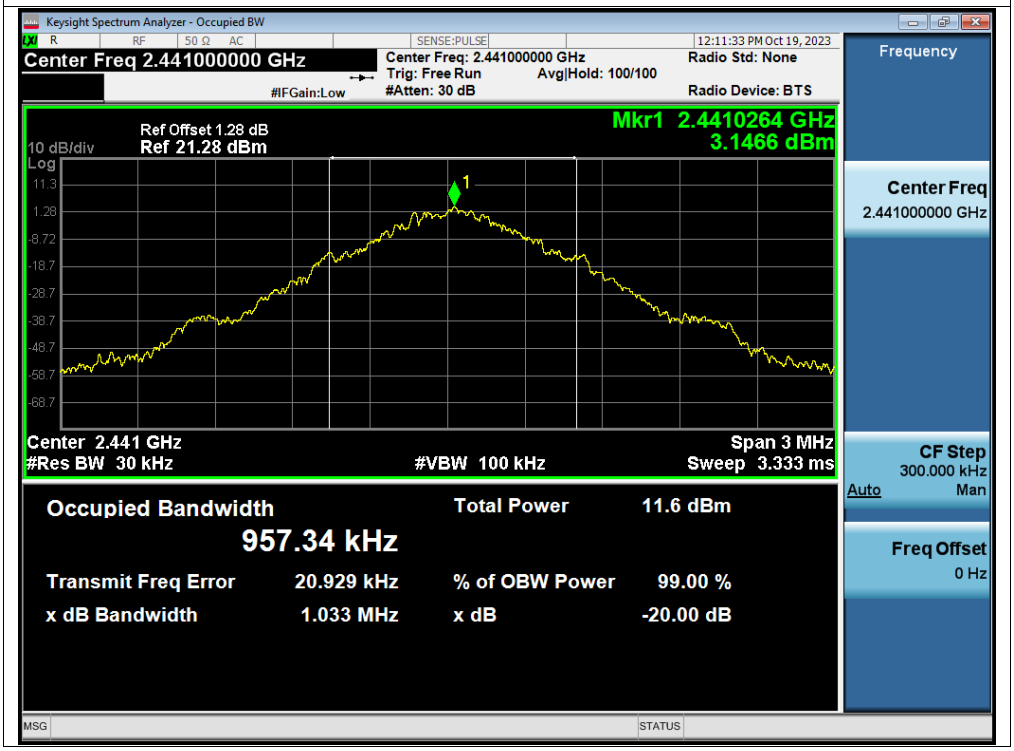
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH5	2402	Ant1	0.945
NVNT	1-DH5	2441	Ant1	0.957
NVNT	1-DH5	2480	Ant1	0.958
NVNT	2-DH5	2402	Ant1	1.228
NVNT	2-DH5	2441	Ant1	1.225
NVNT	2-DH5	2480	Ant1	1.218
NVNT	3-DH5	2402	Ant1	0.957
NVNT	3-DH5	2441	Ant1	0.984
NVNT	3-DH5	2480	Ant1	0.965

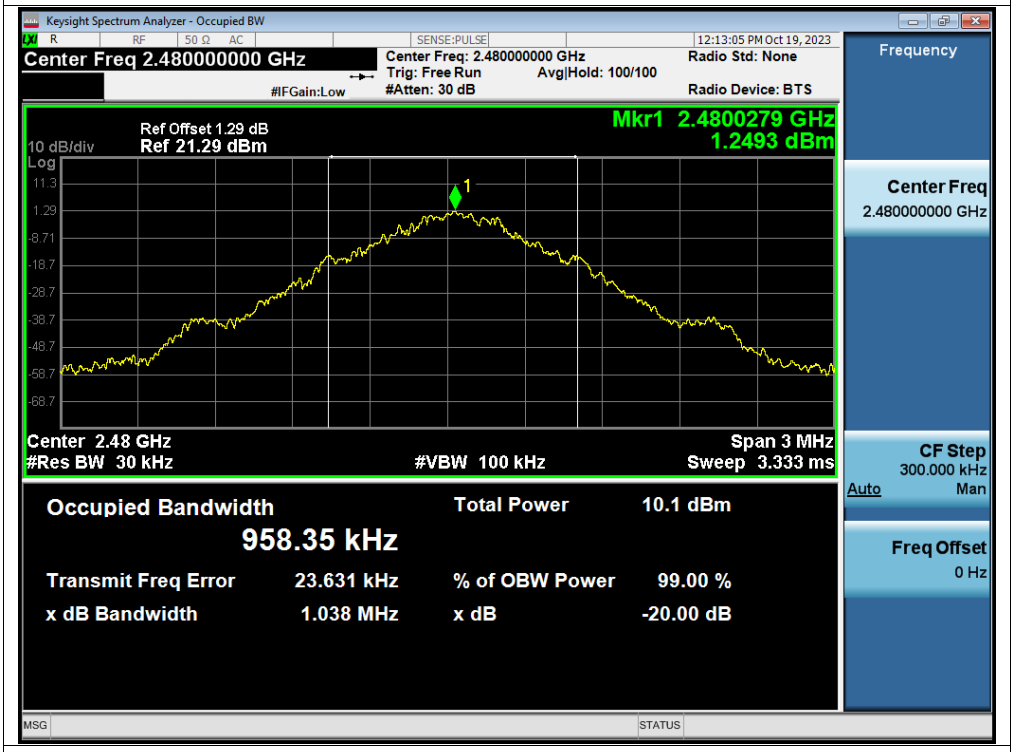
Test Graphs
OBW NVNT 1-DH5 2402MHz Ant1



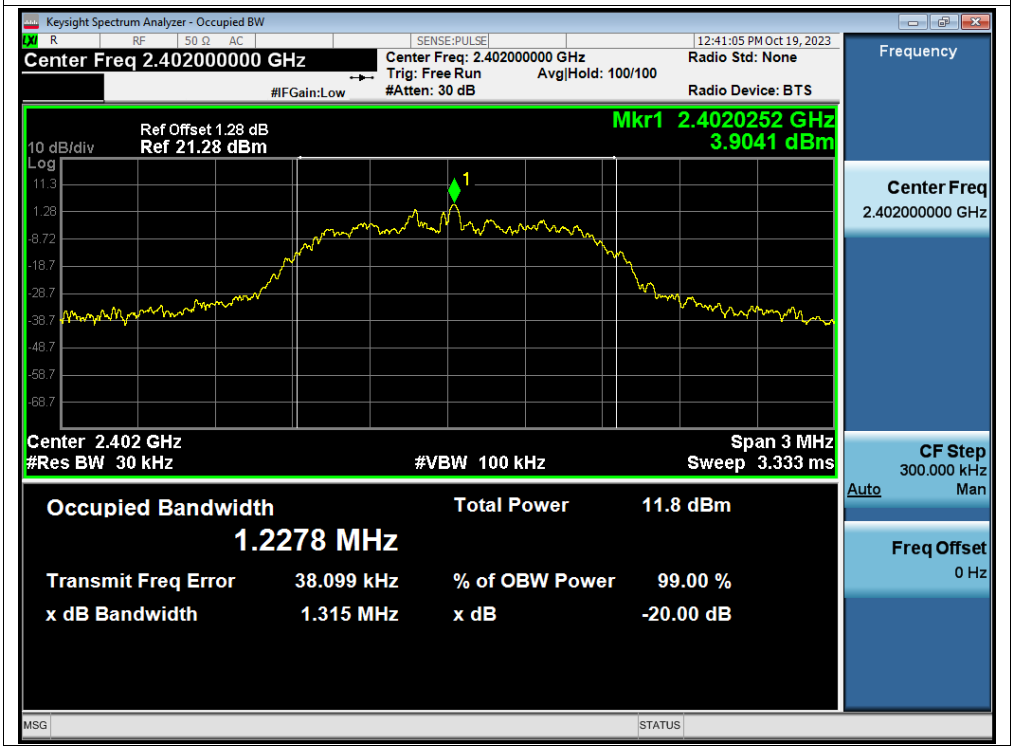
OBW NVNT 1-DH5 2441MHz Ant1



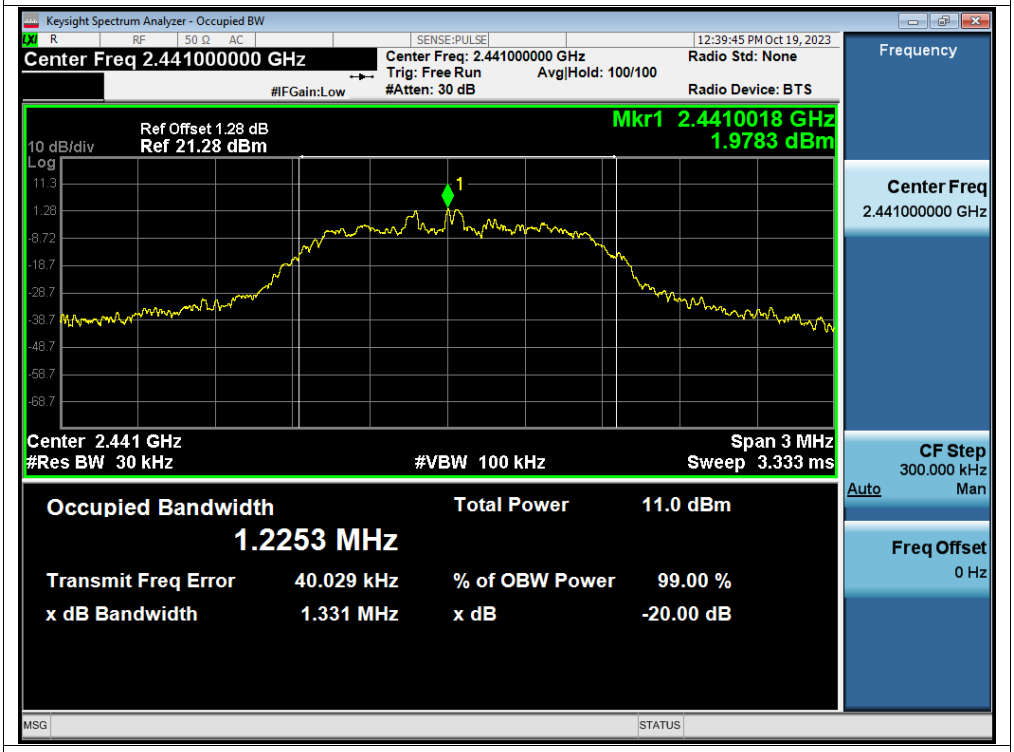
OBW NVNT 1-DH5 2480MHz Ant1



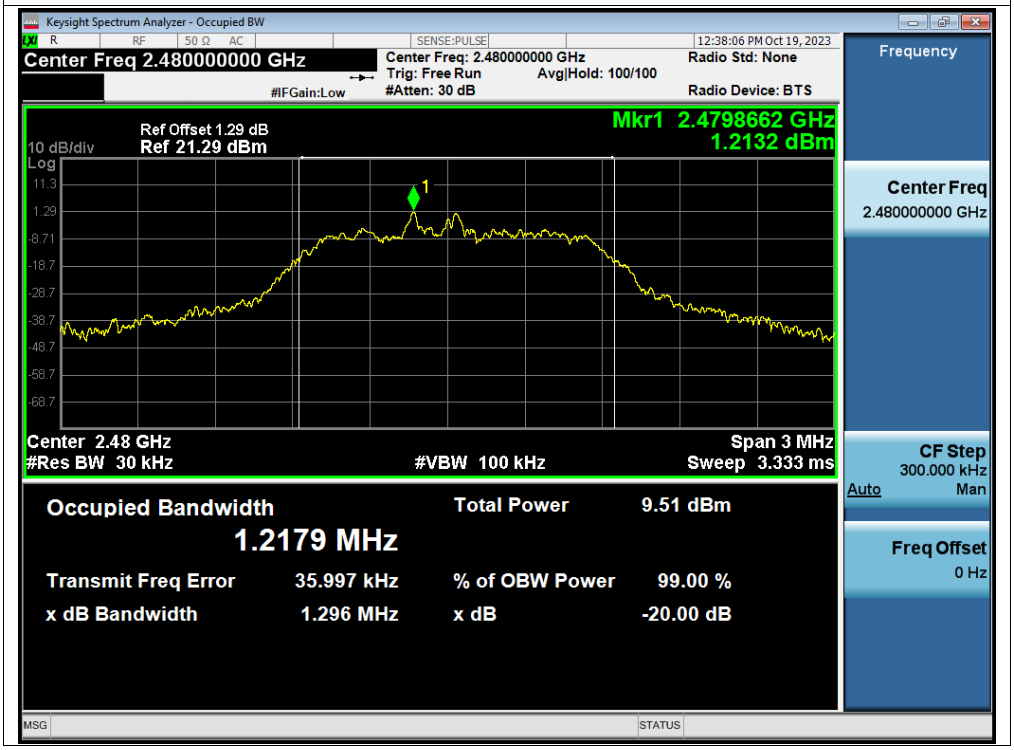
OBW NVNT 2-DH5 2402MHz Ant1



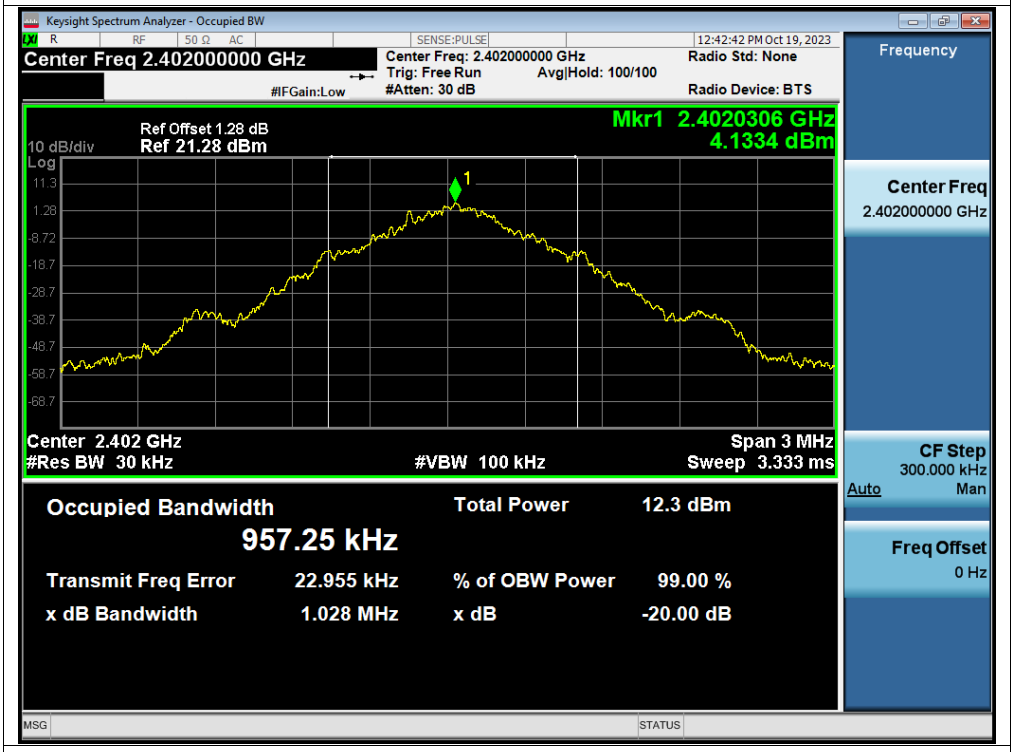
OBW NVNT 2-DH5 2441MHz Ant1



OBW NVNT 2-DH5 2480MHz Ant1

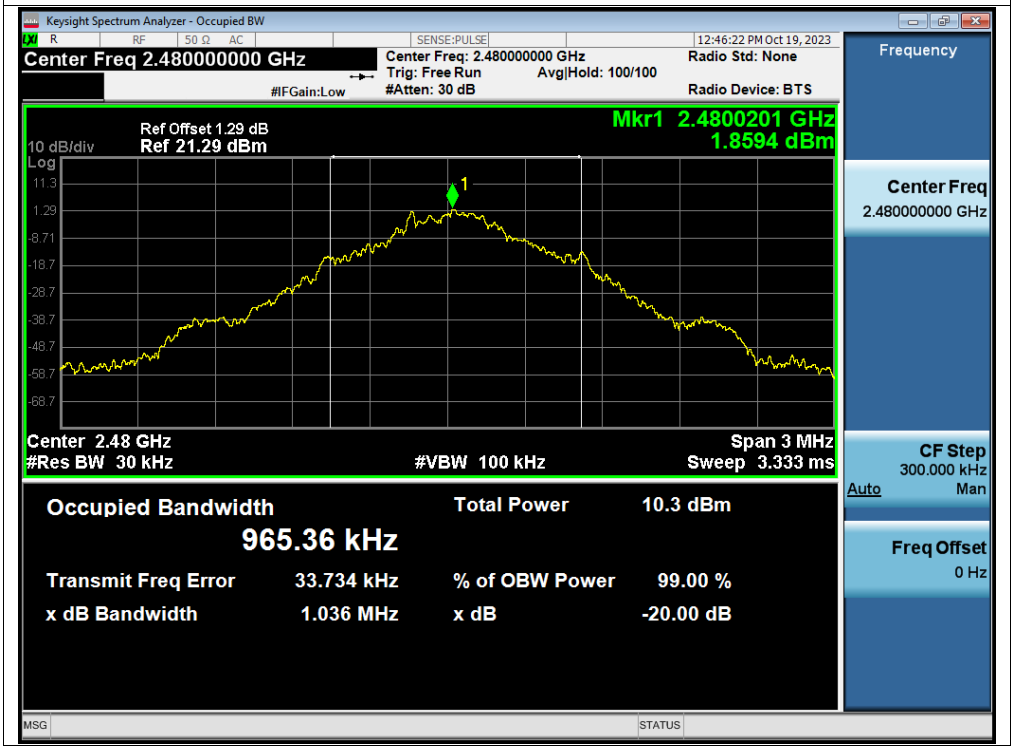


OBW NVNT 3-DH5 2402MHz Ant1



OBW NVNT 3-DH5 2441MHz Ant1

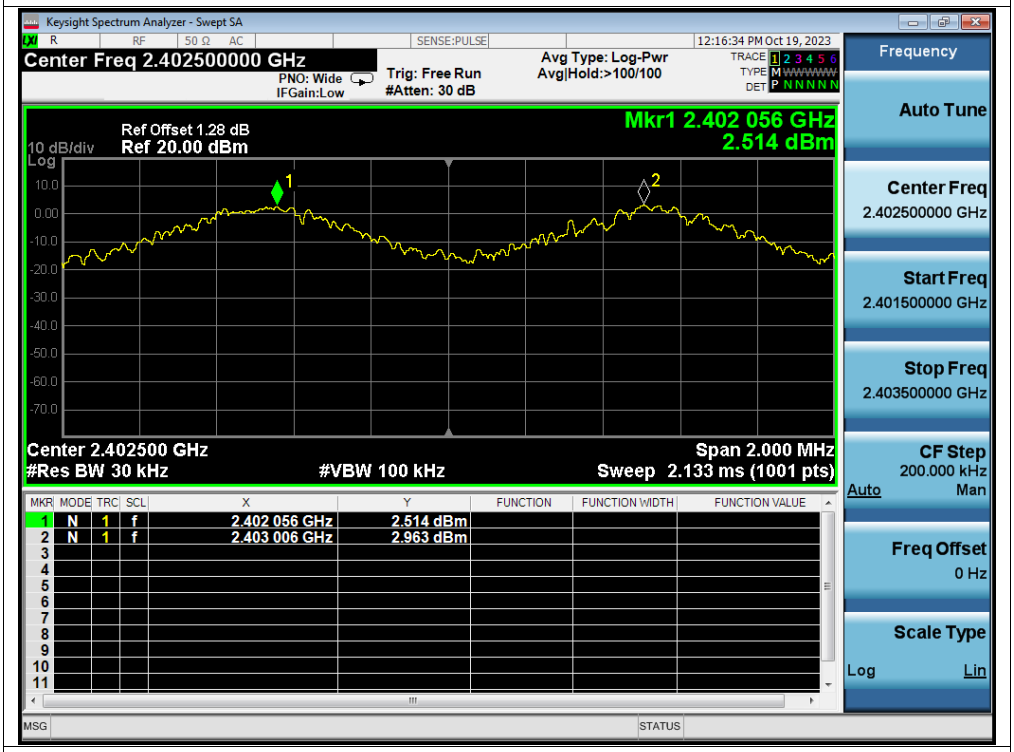
OBW NVNT 3-DH5 2480MHz Ant1



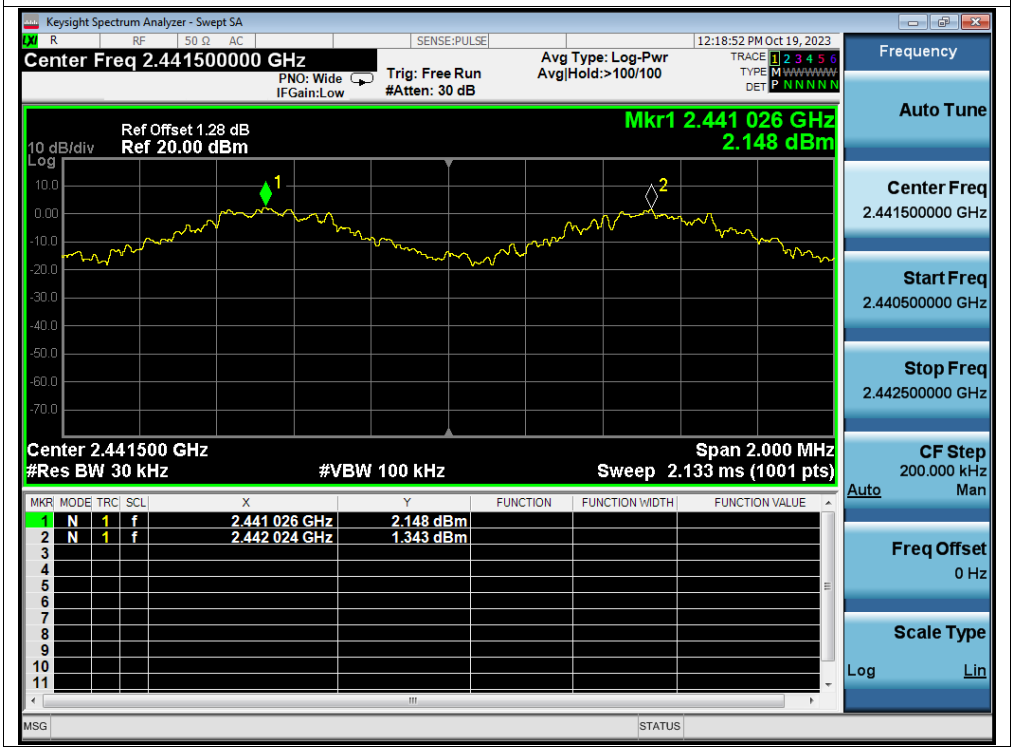
Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.056	2403.006	0.95	0.707	Pass
NVNT	1-DH5	Ant1	2441.026	2442.024	0.998	0.685	Pass
NVNT	1-DH5	Ant1	2479.052	2480.014	0.962	0.696	Pass
NVNT	2-DH5	Ant1	2402.004	2403.012	1.008	0.025	Pass
NVNT	2-DH5	Ant1	2441.016	2442.016	1	0.025	Pass
NVNT	2-DH5	Ant1	2478.88	2479.866	0.986	0.025	Pass
NVNT	3-DH5	Ant1	2402.022	2402.986	0.964	0.695	Pass
NVNT	3-DH5	Ant1	2441.026	2442.054	1.028	0.689	Pass
NVNT	3-DH5	Ant1	2479.064	2480.022	0.958	0.686	Pass

Test Graphs
CFS NVNT 1-DH5 2402MHz Ant1

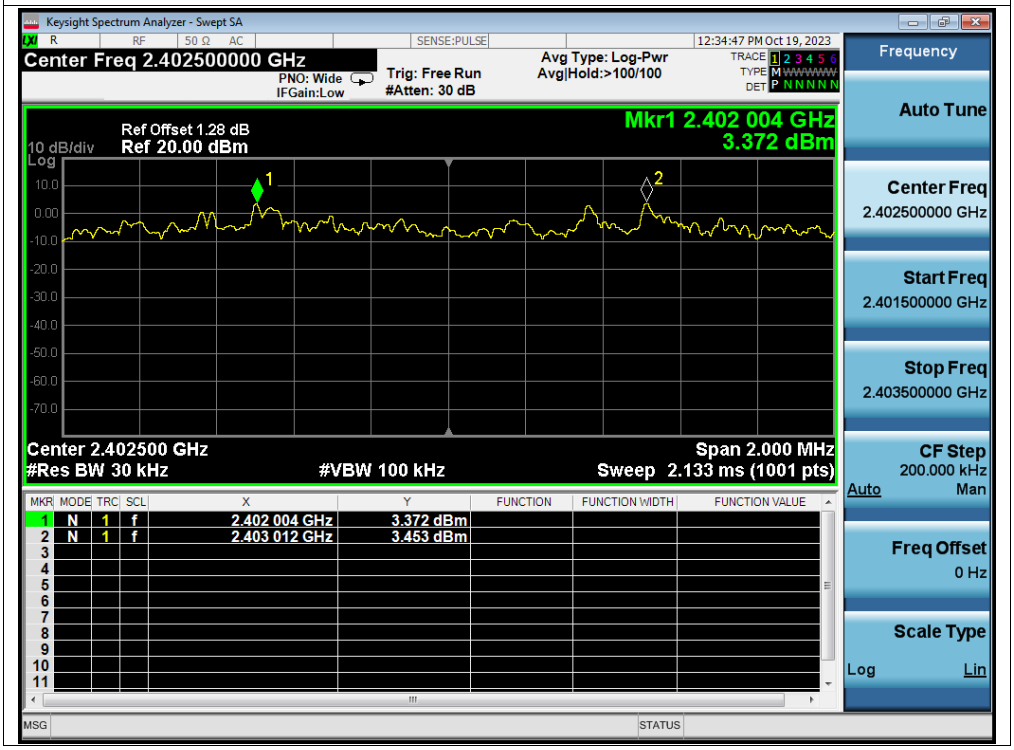


CFS NVNT 1-DH5 2441MHz Ant1

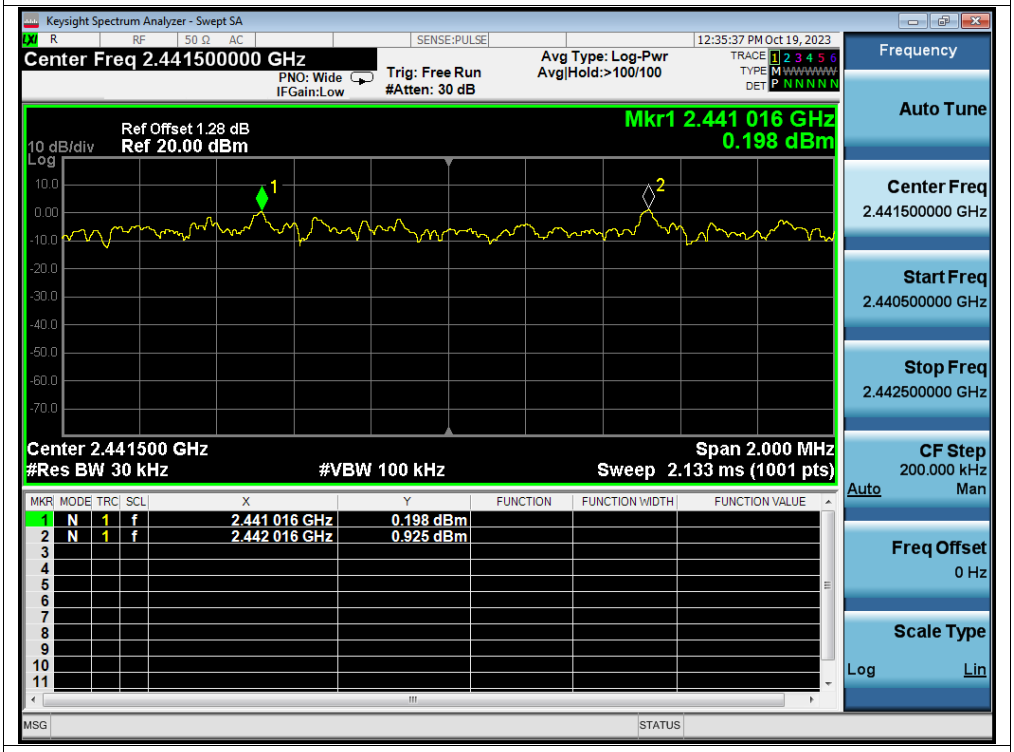


CFS NVNT 1-DH5 2480MHz Ant1

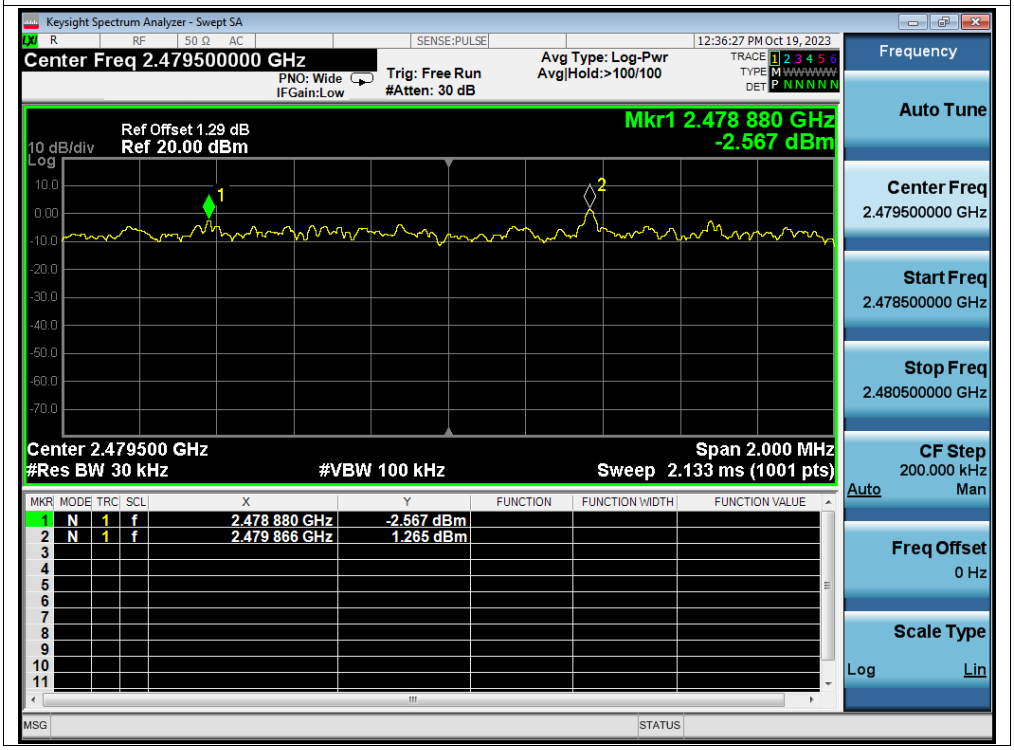
CFS NVNT 2-DH5 2402MHz Ant1



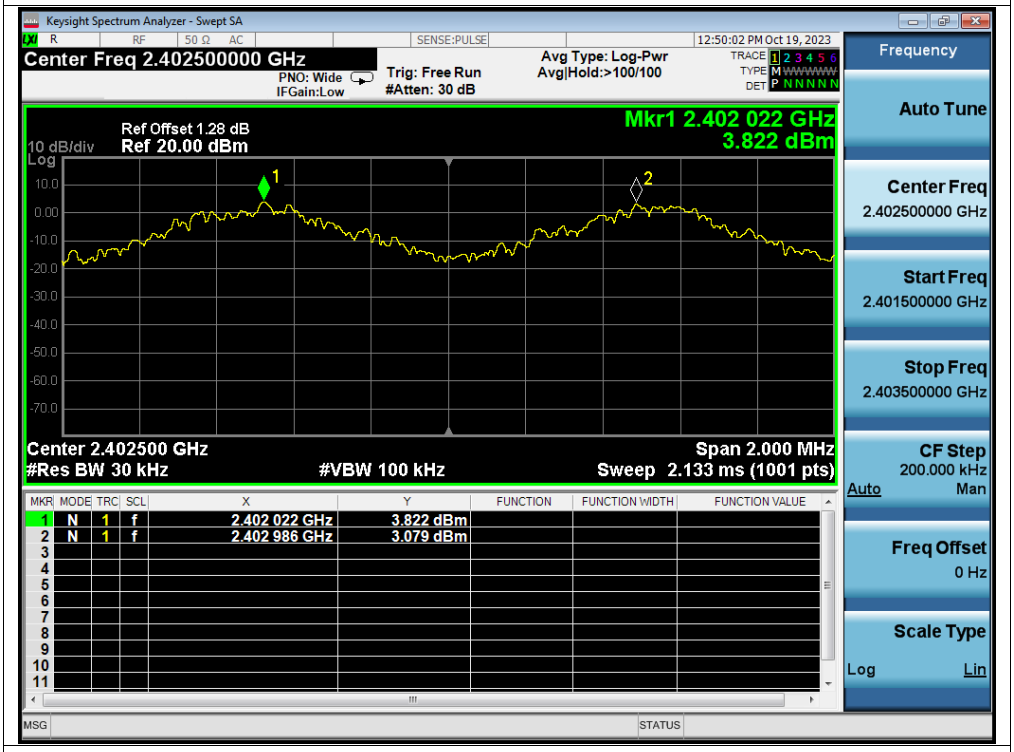
CFS NVNT 2-DH5 2441MHz Ant1



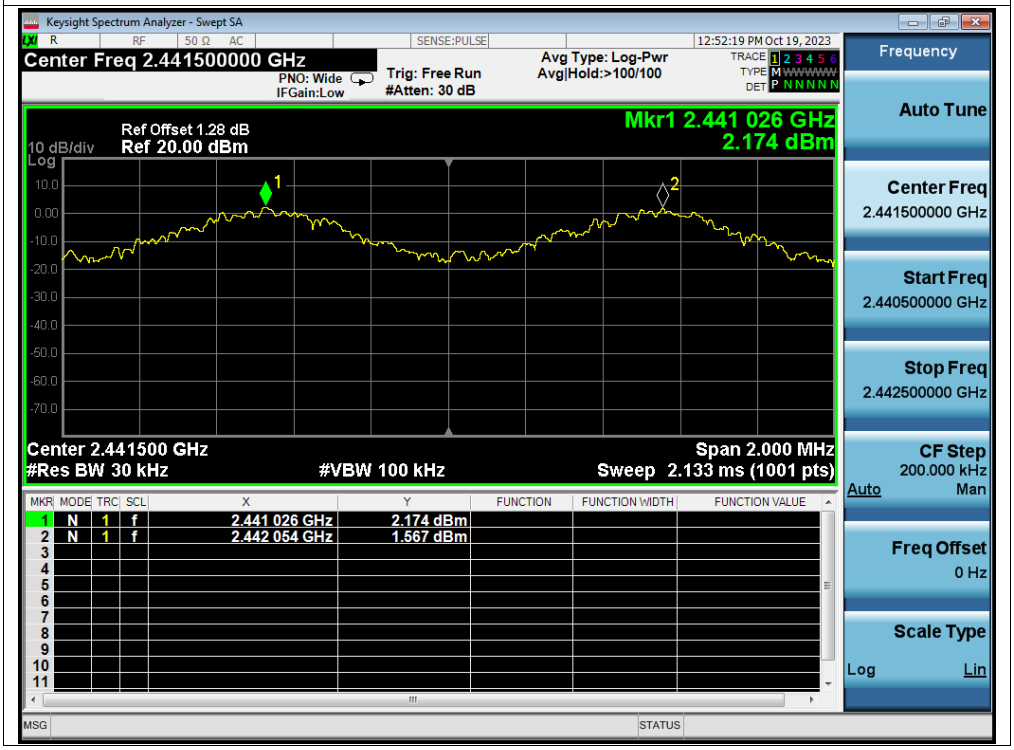
CFS NVNT 2-DH5 2480MHz Ant1



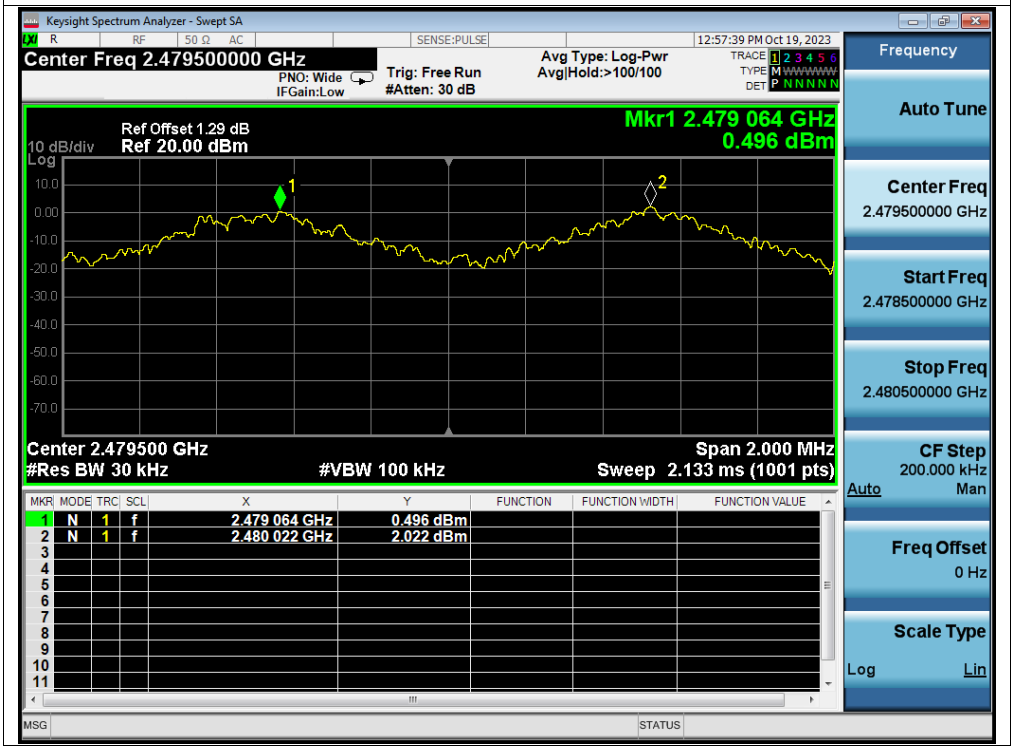
CFS NVNT 3-DH5 2402MHz Ant1



CFS NVNT 3-DH5 2441MHz Ant1



CFS NVNT 3-DH5 2480MHz Ant1

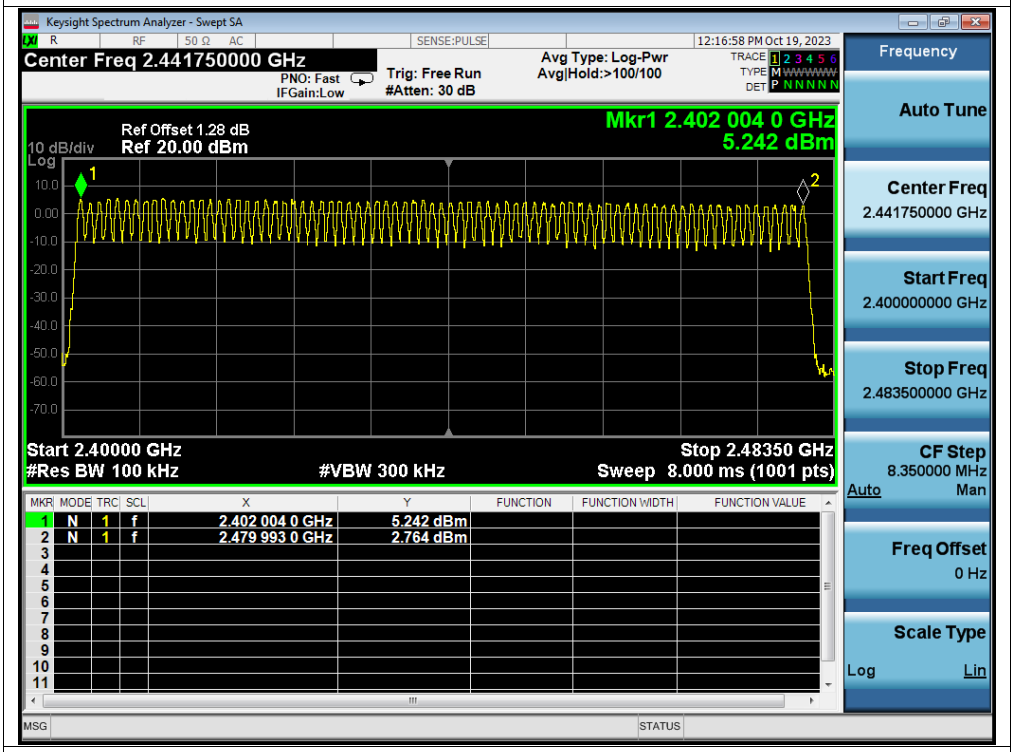


Number of Hopping Channel

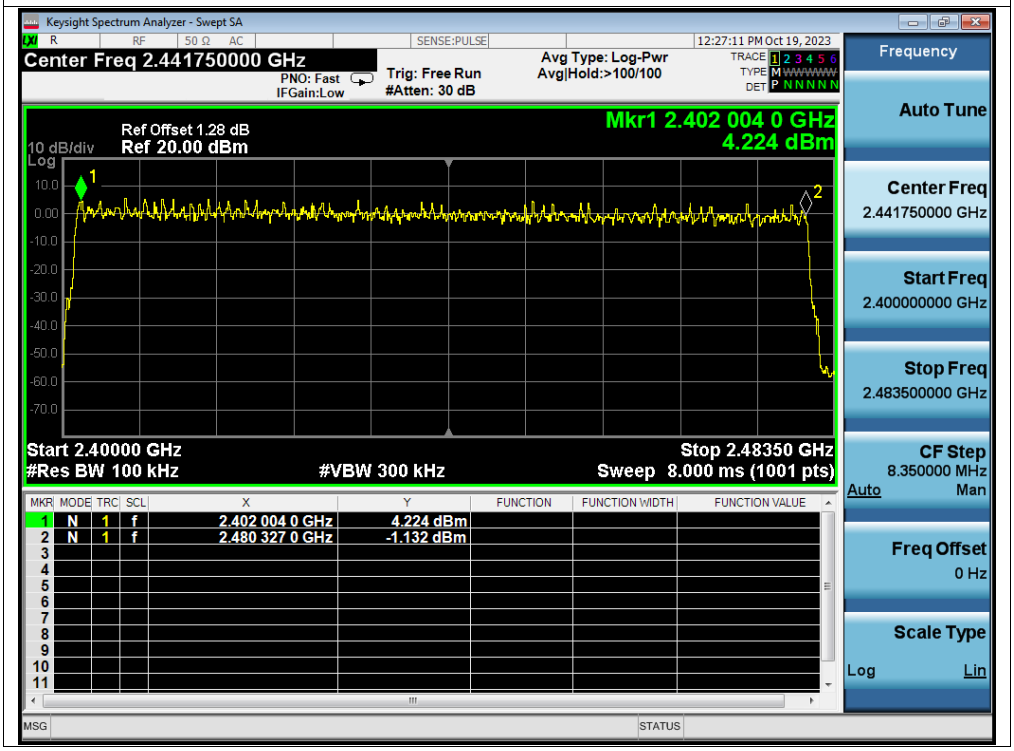
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass

Test Graphs

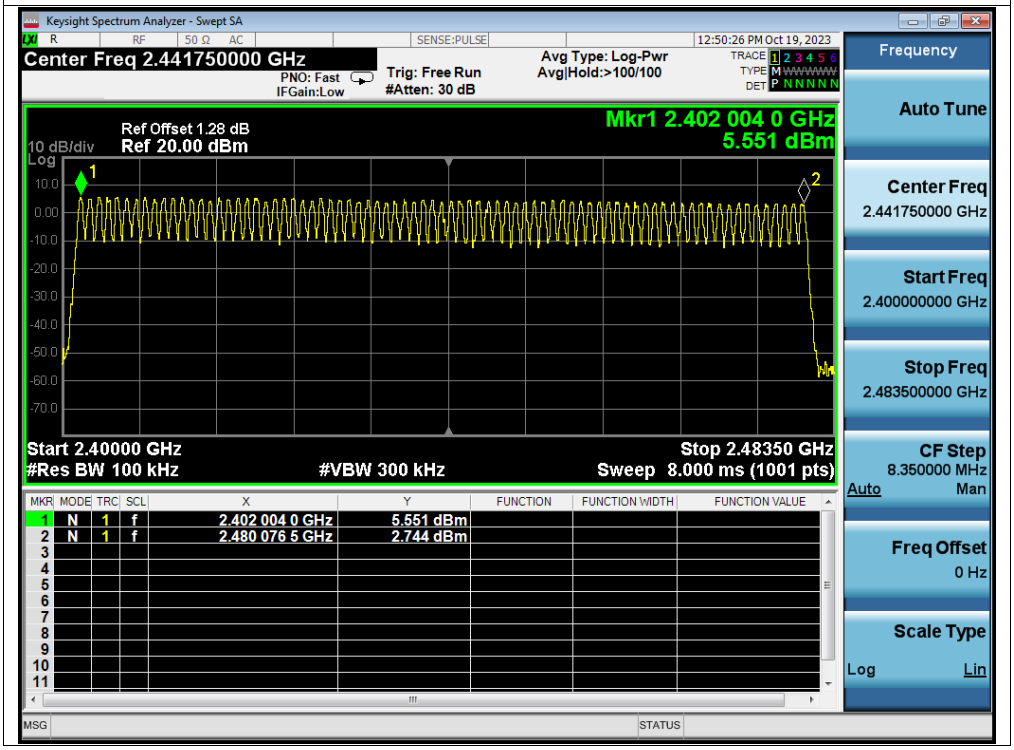
Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1



Hopping No. NVNT 3-DH5 2402MHz Ant1

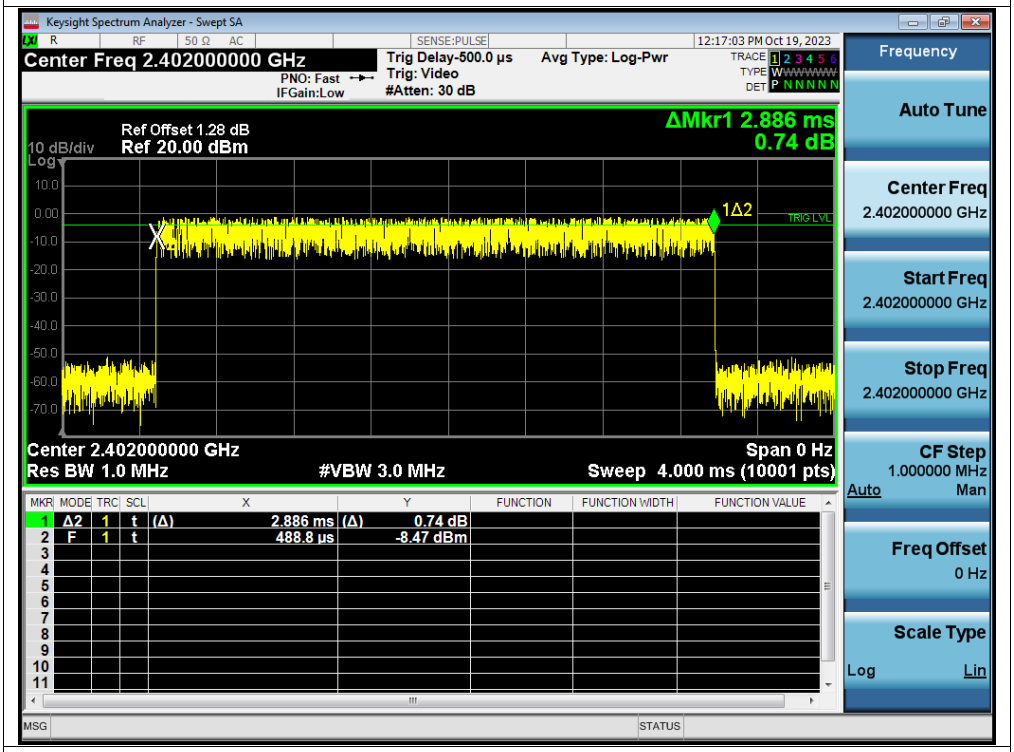


Dwell Time

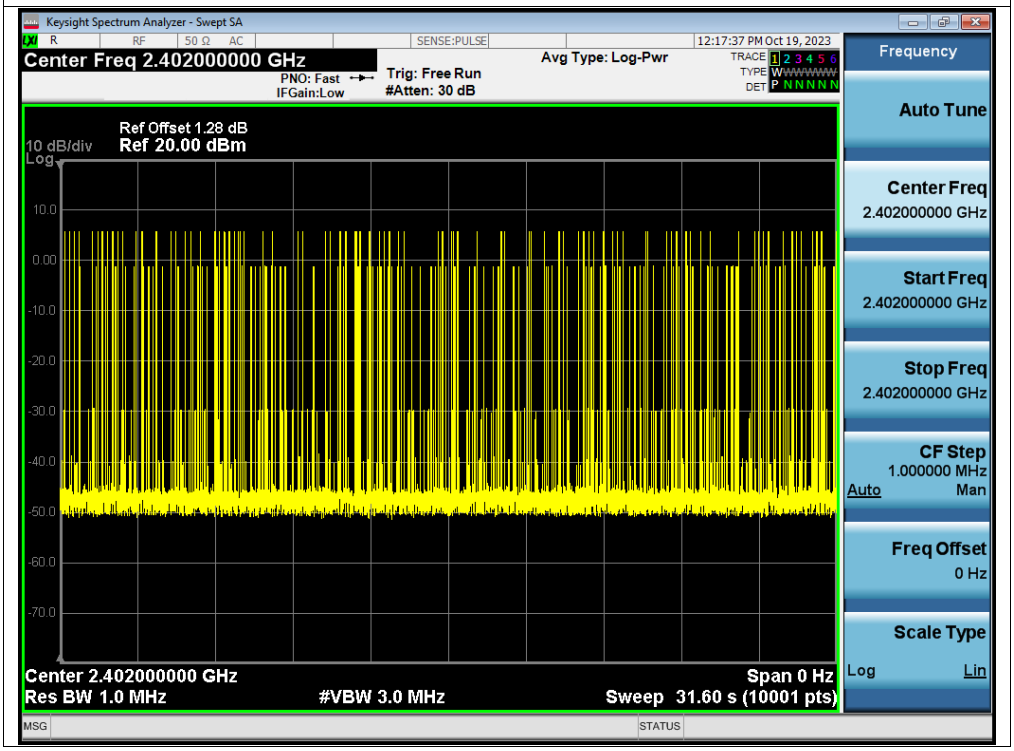
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.886	291.486	101	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.885	282.73	98	31600	400	Pass
NVNT	1-DH5	2480	Ant1	2.885	291.385	101	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.885	363.51	126	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.891	320.901	111	31600	400	Pass
NVNT	2-DH5	2480	Ant1	2.892	315.228	109	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.362	243.286	103	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.362	262.182	111	31600	400	Pass
NVNT	3-DH5	2480	Ant1	2.362	255.096	108	31600	400	Pass

Test Graphs

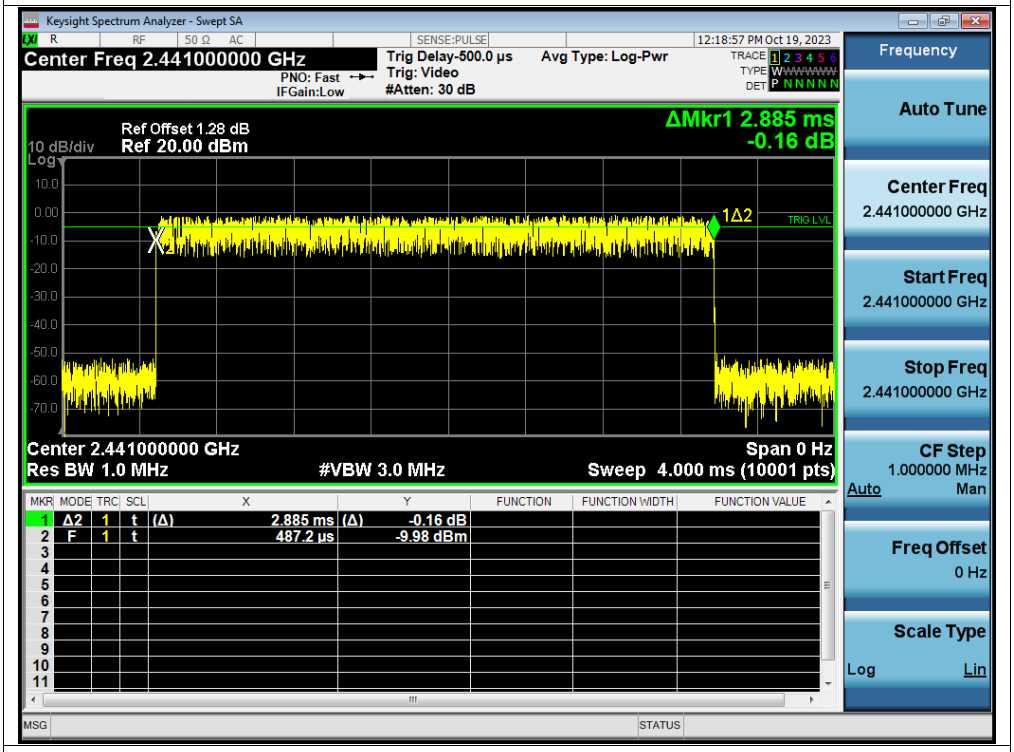
Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



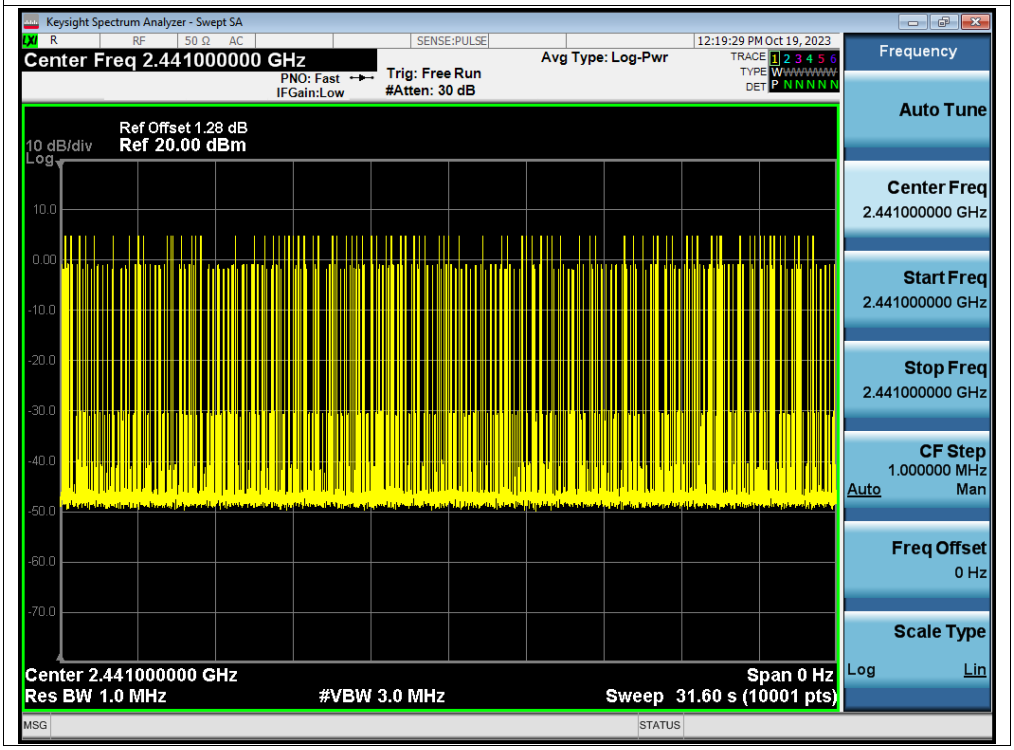
Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



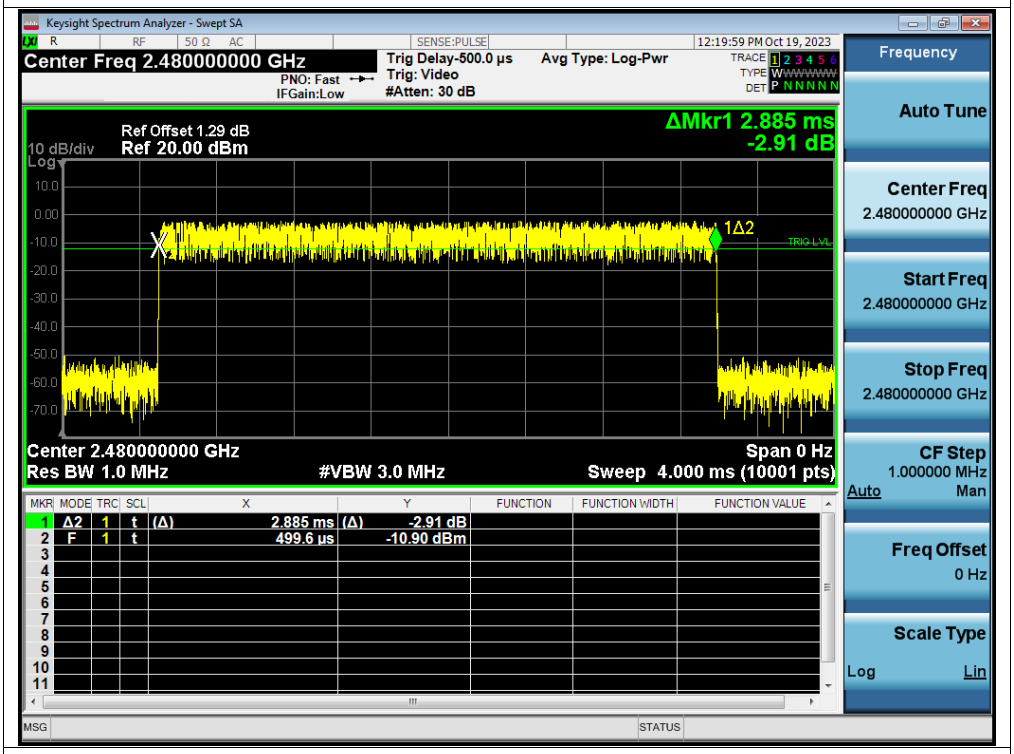
Dwell NVNT 1-DH5 2441MHz Ant1 One Burst



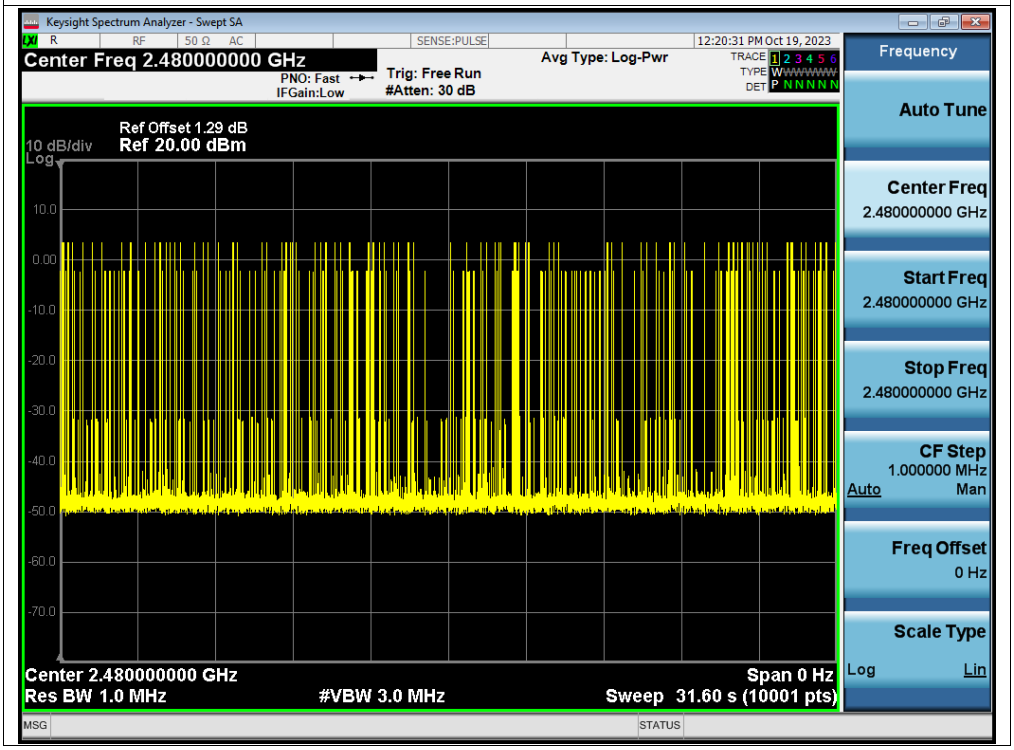
Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated



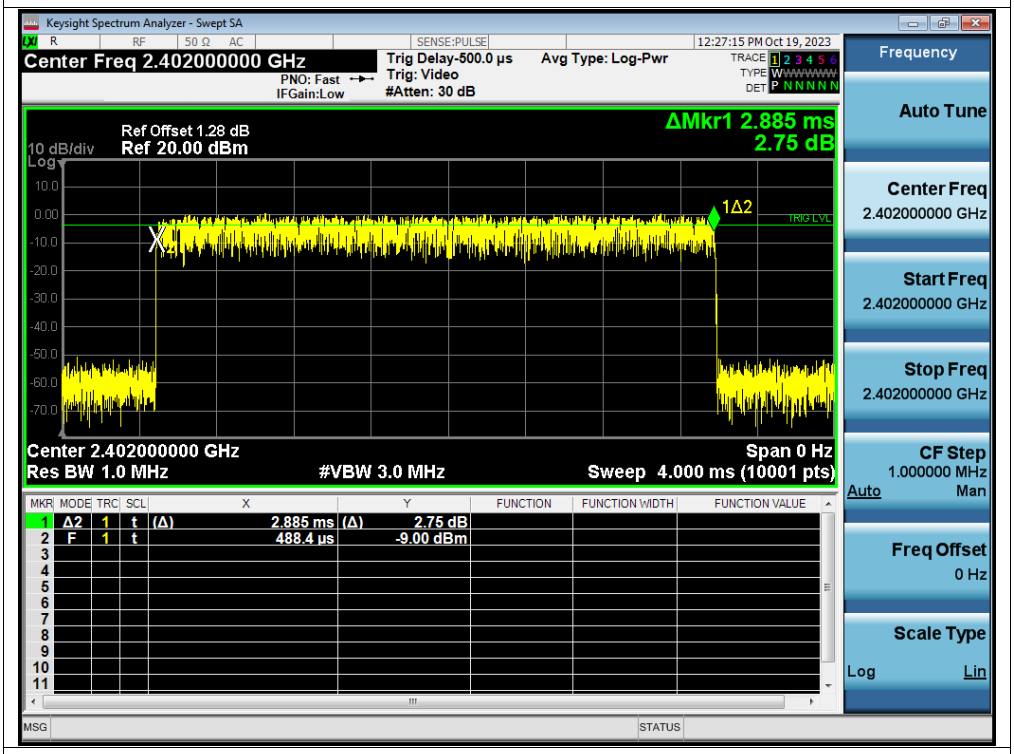
Dwell NVNT 1-DH5 2480MHz Ant1 One Burst



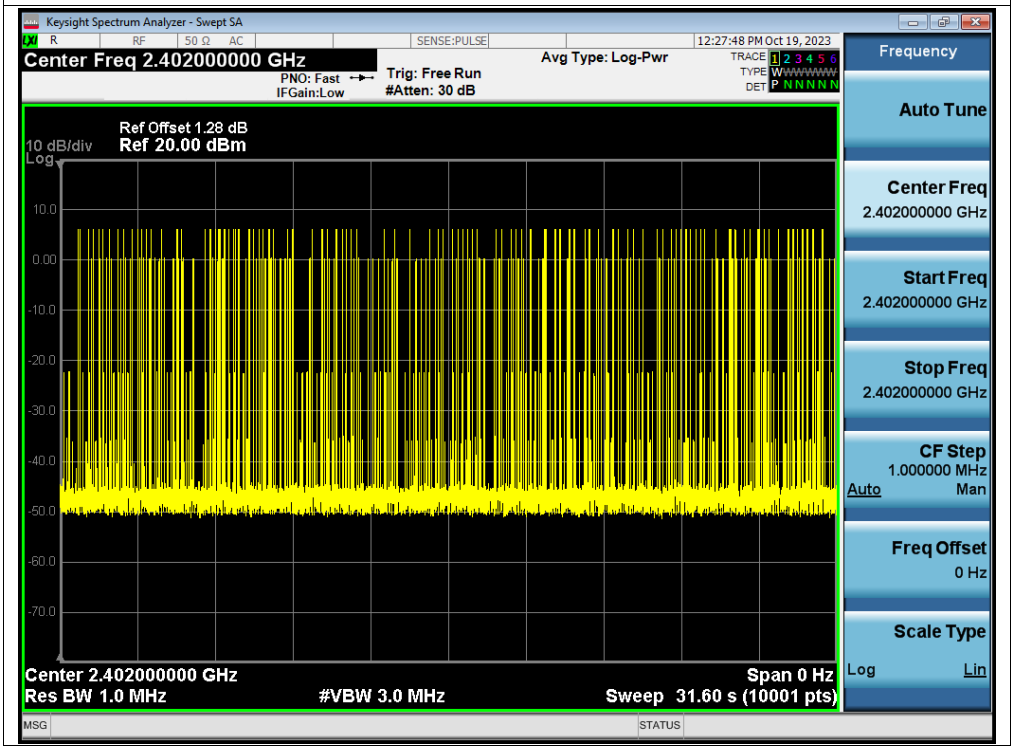
Dwell NVNT 1-DH5 2480MHz Ant1 Accumulated



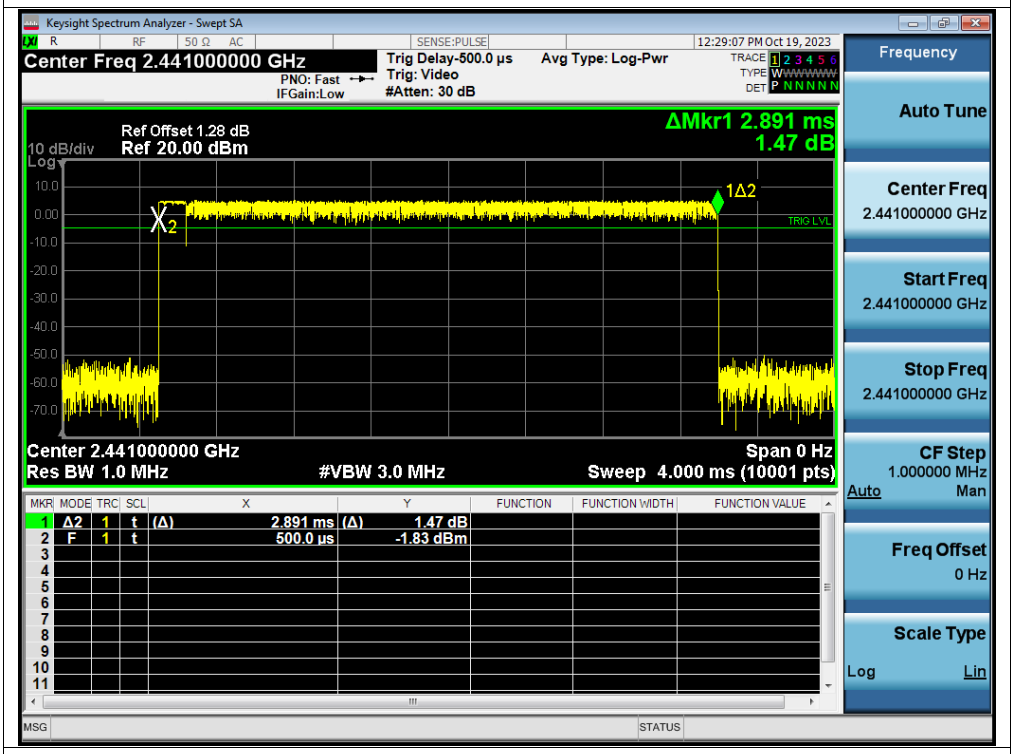
Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



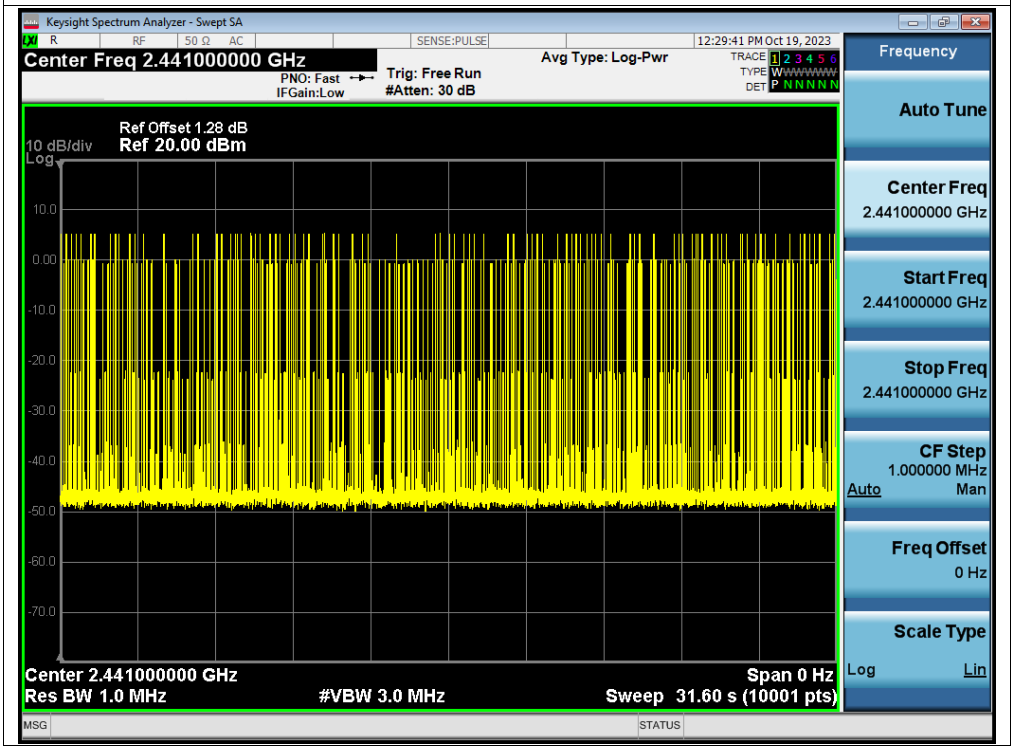
Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



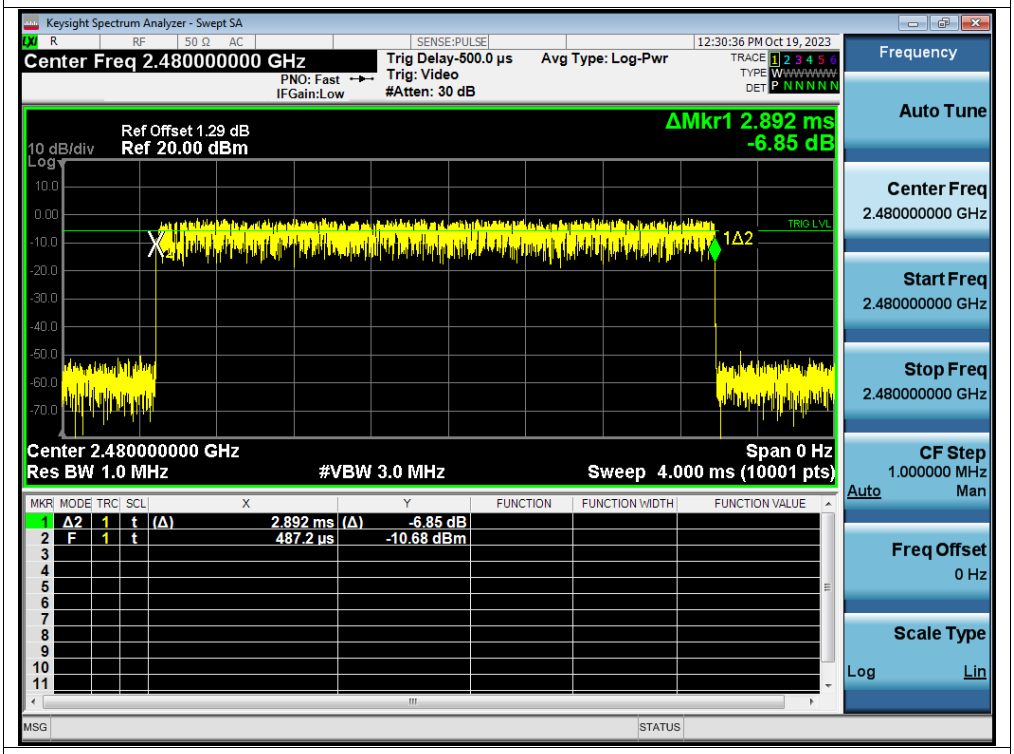
Dwell NVNT 2-DH5 2441MHz Ant1 One Burst



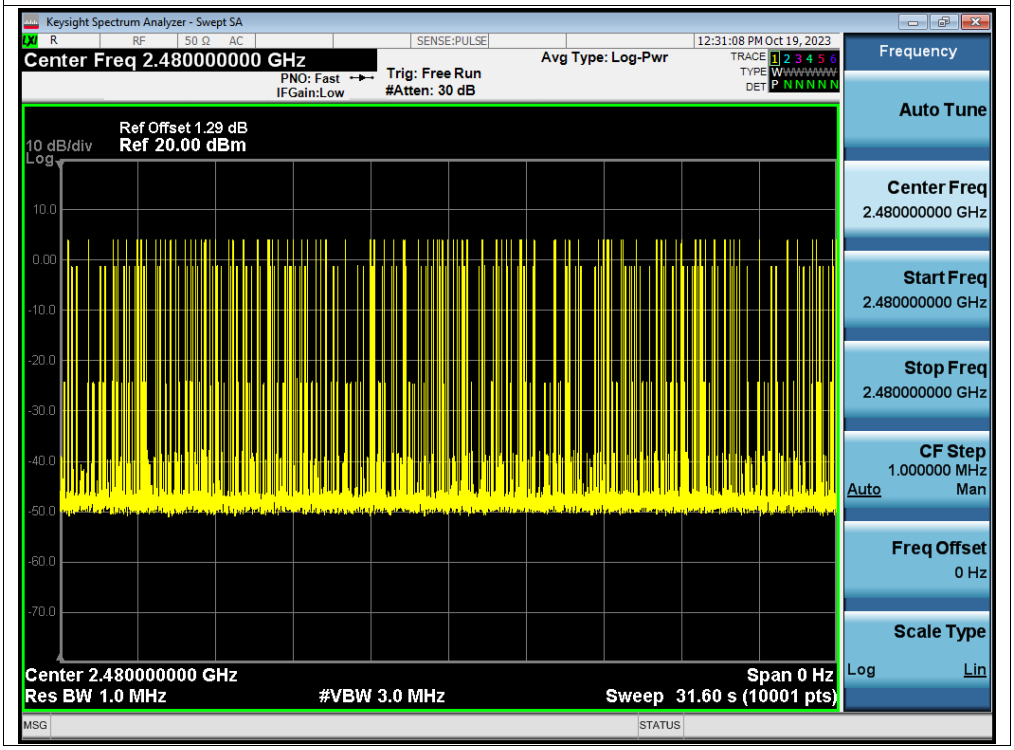
Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated



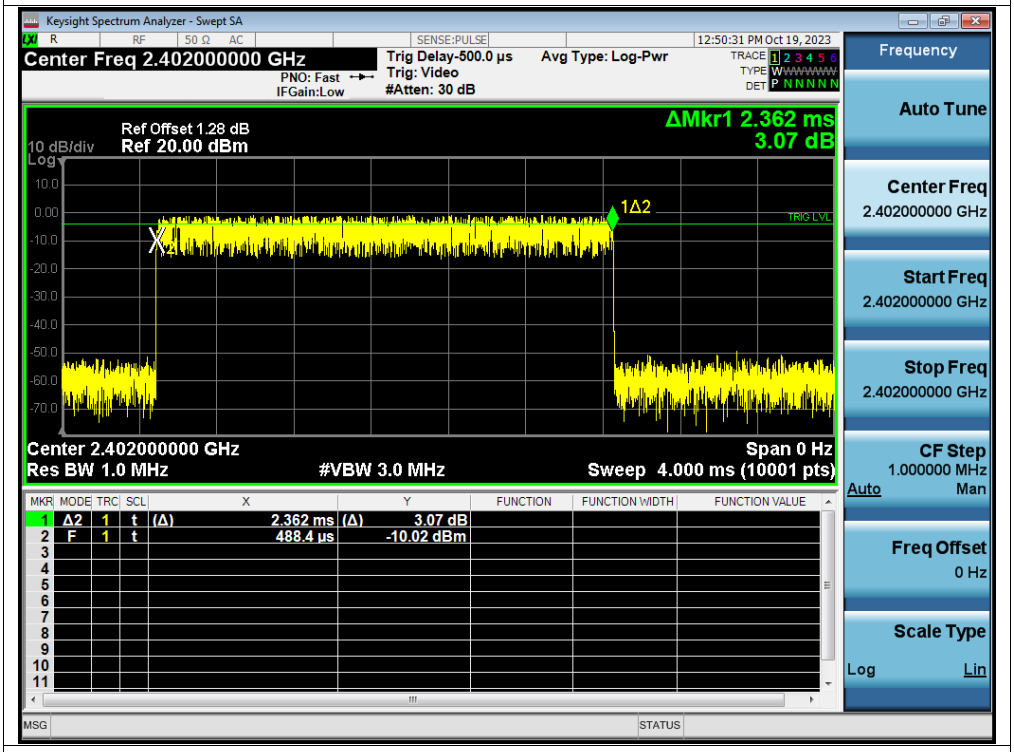
Dwell NVNT 2-DH5 2480MHz Ant1 One Burst



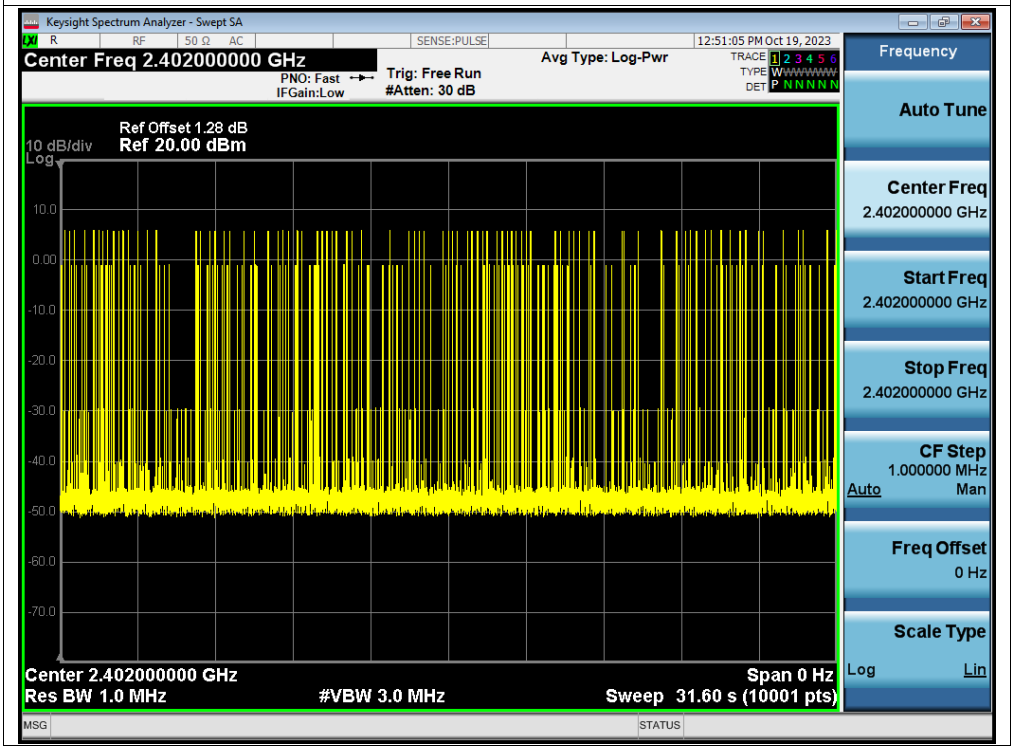
Dwell NVNT 2-DH5 2480MHz Ant1 Accumulated



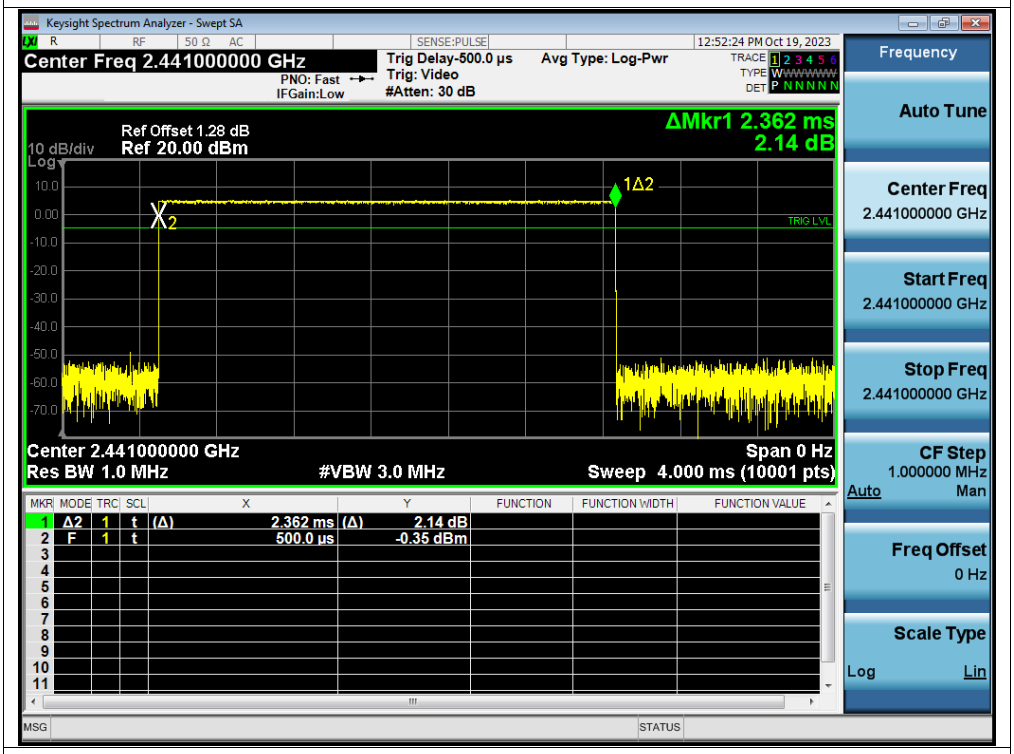
Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



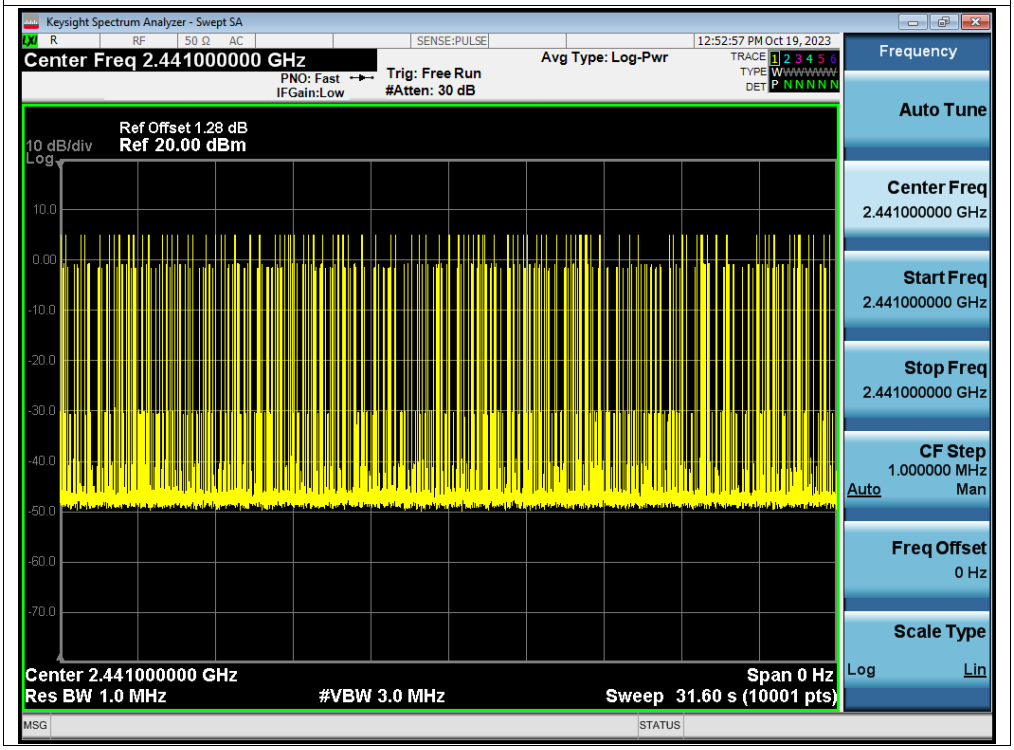
Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated



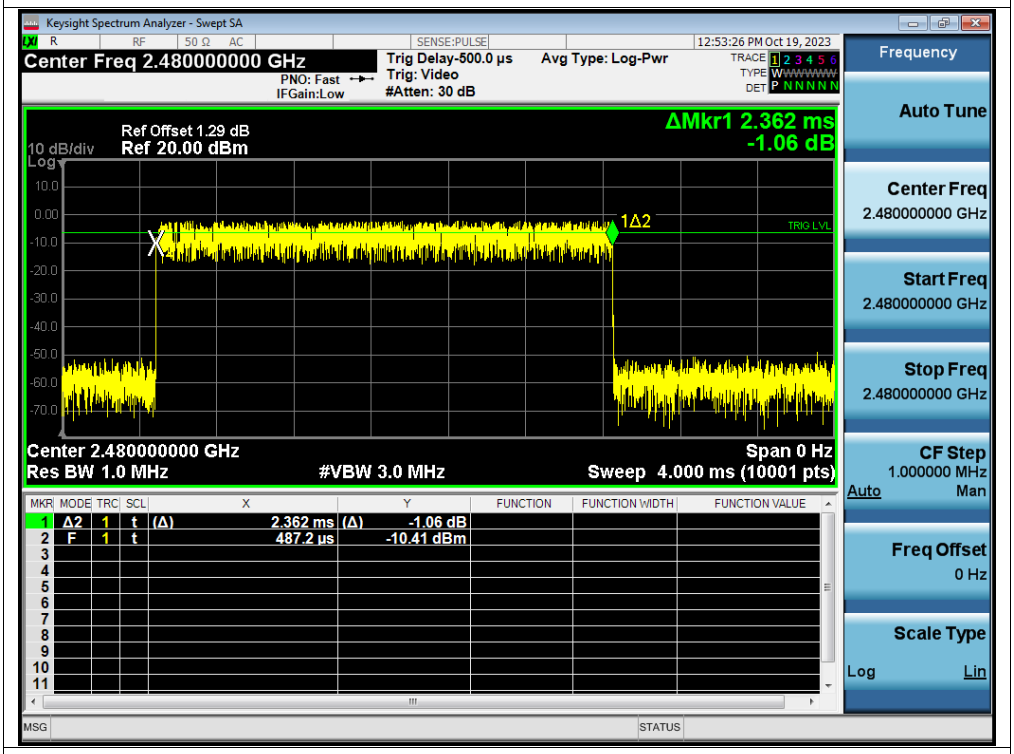
Dwell NVNT 3-DH5 2441MHz Ant1 One Burst



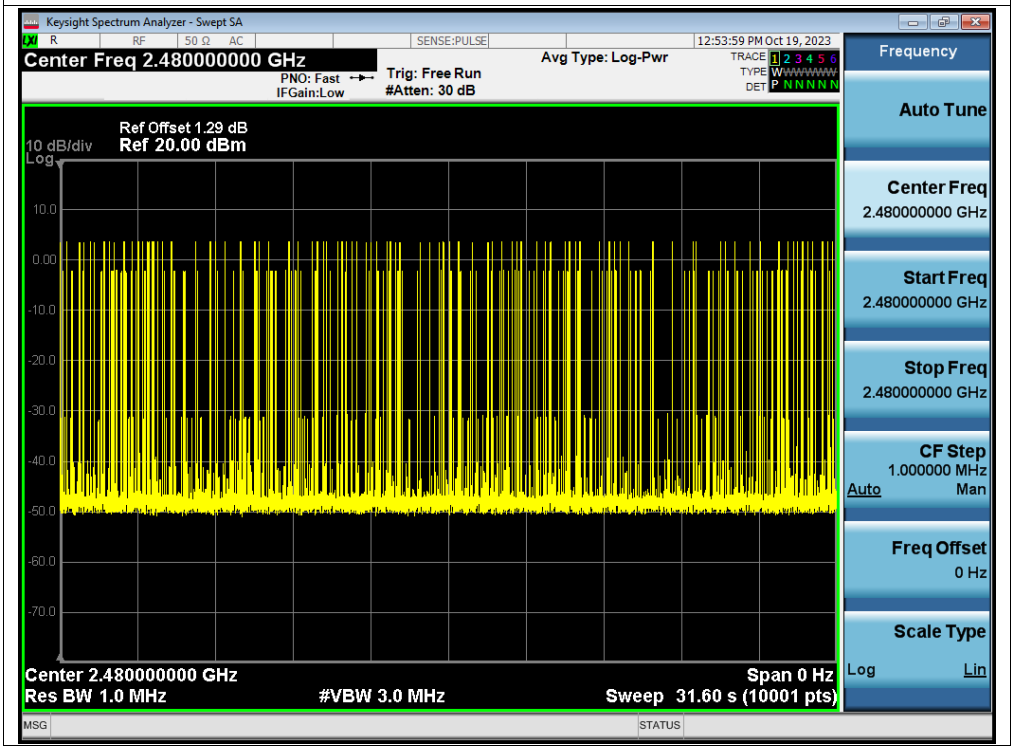
Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2480MHz Ant1 One Burst



Dwell NVNT 3-DH5 2480MHz Ant1 Accumulated

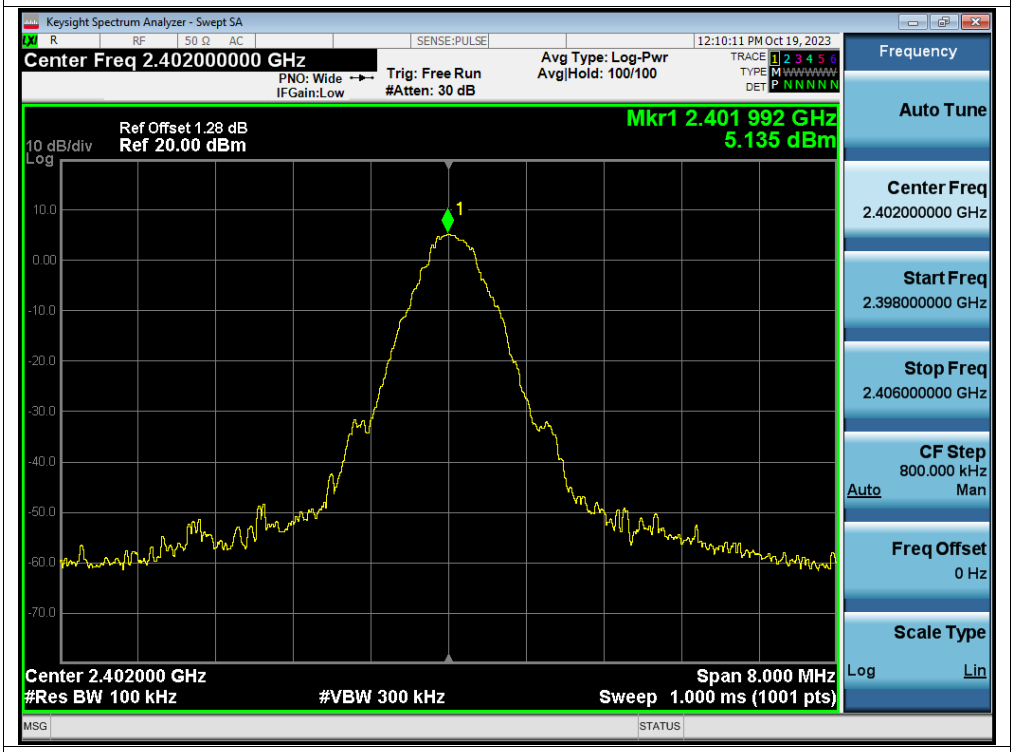


Band Edge

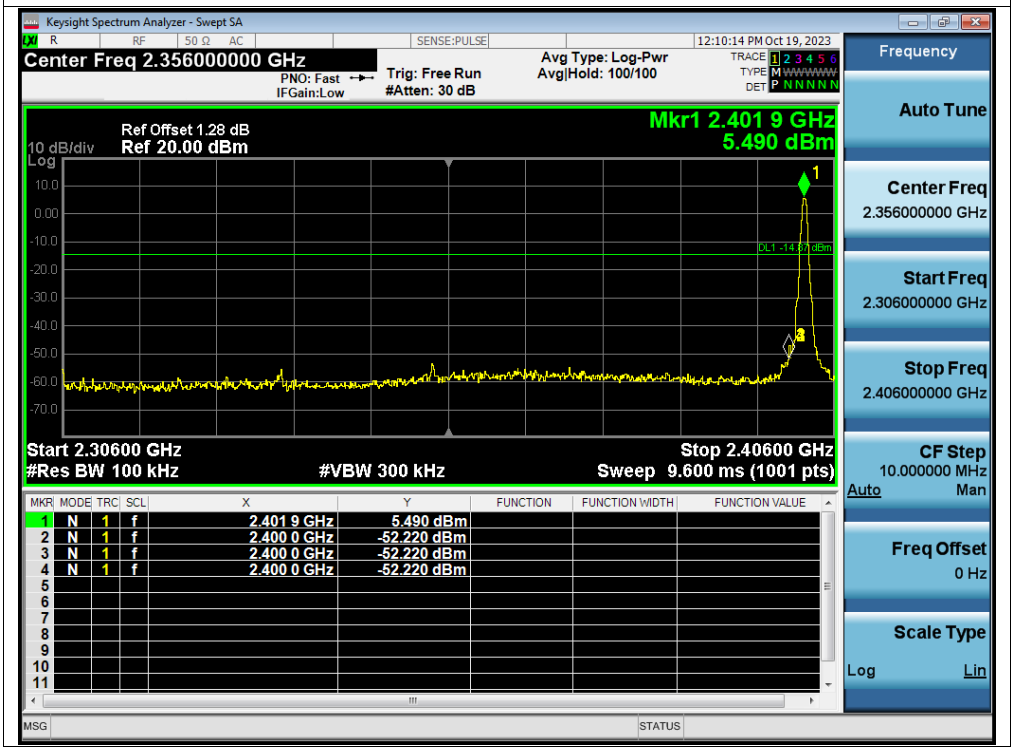
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-57.36	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-59.09	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-53.89	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-60.38	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-56.5	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-60.4	-20	Pass

Test Graphs

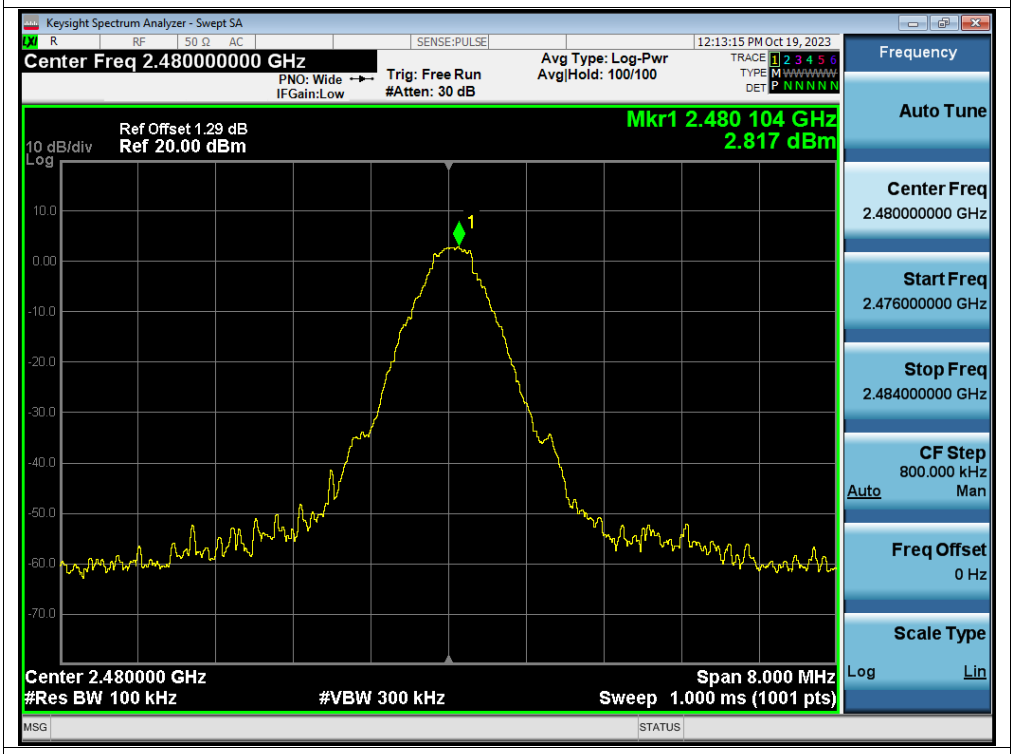
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



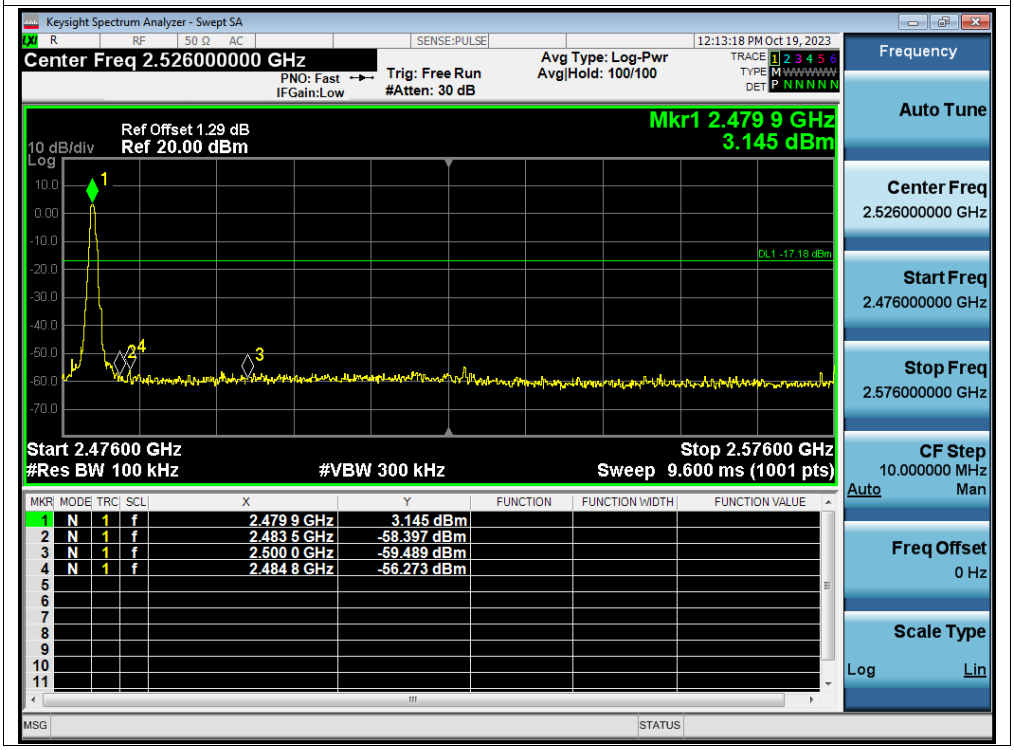
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



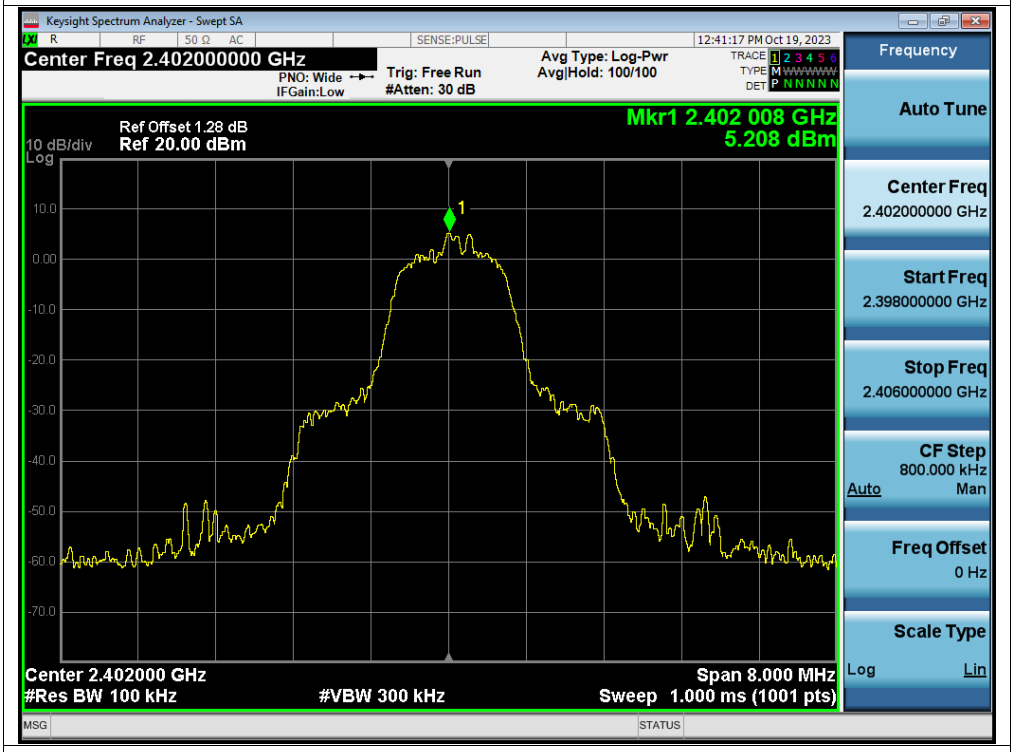
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



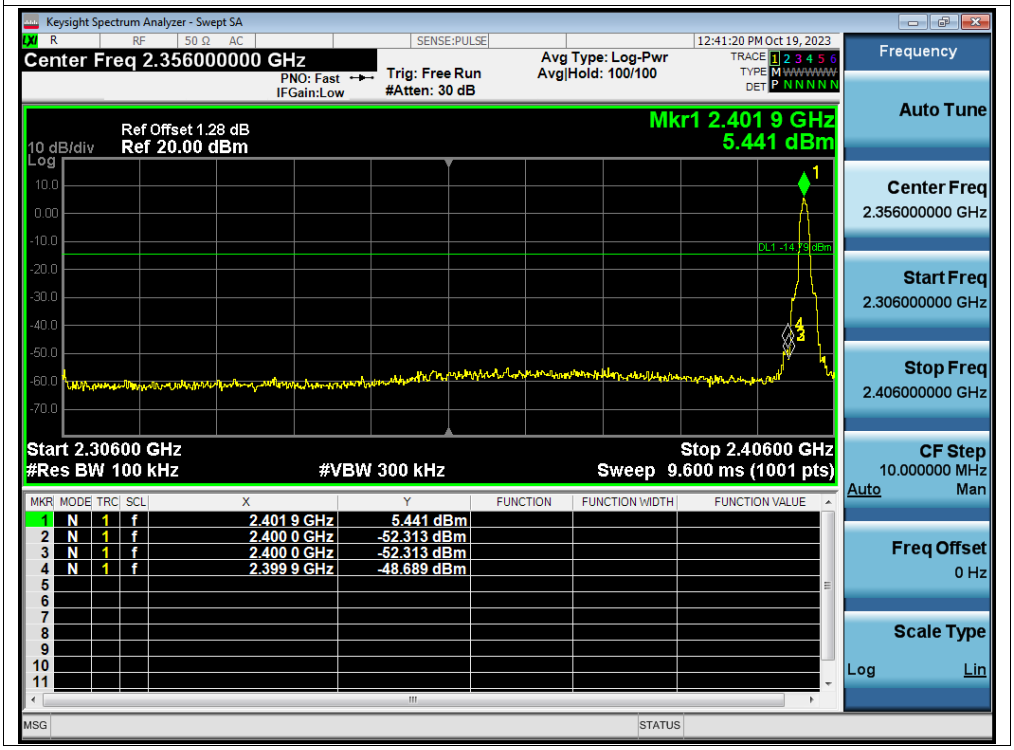
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



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

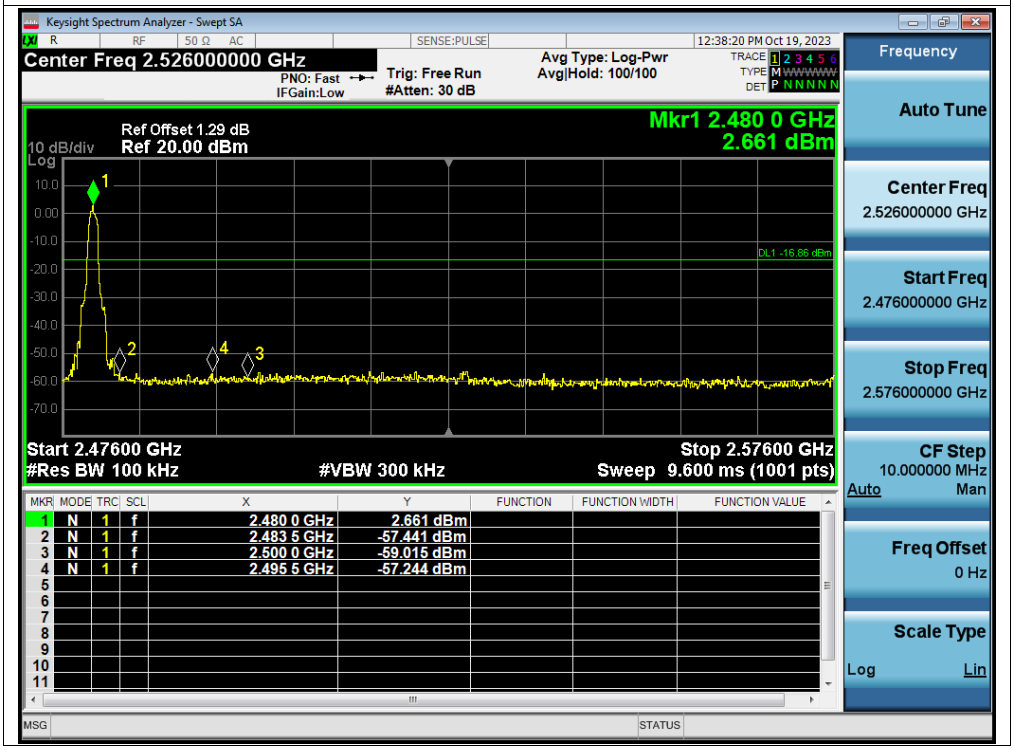


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

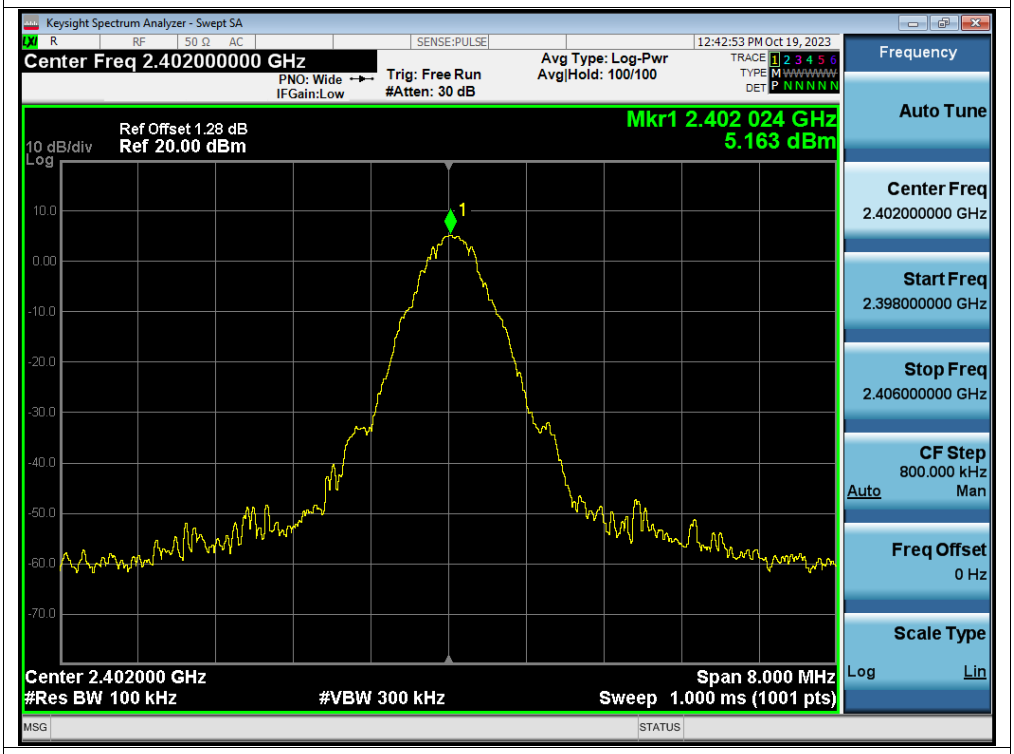


Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref

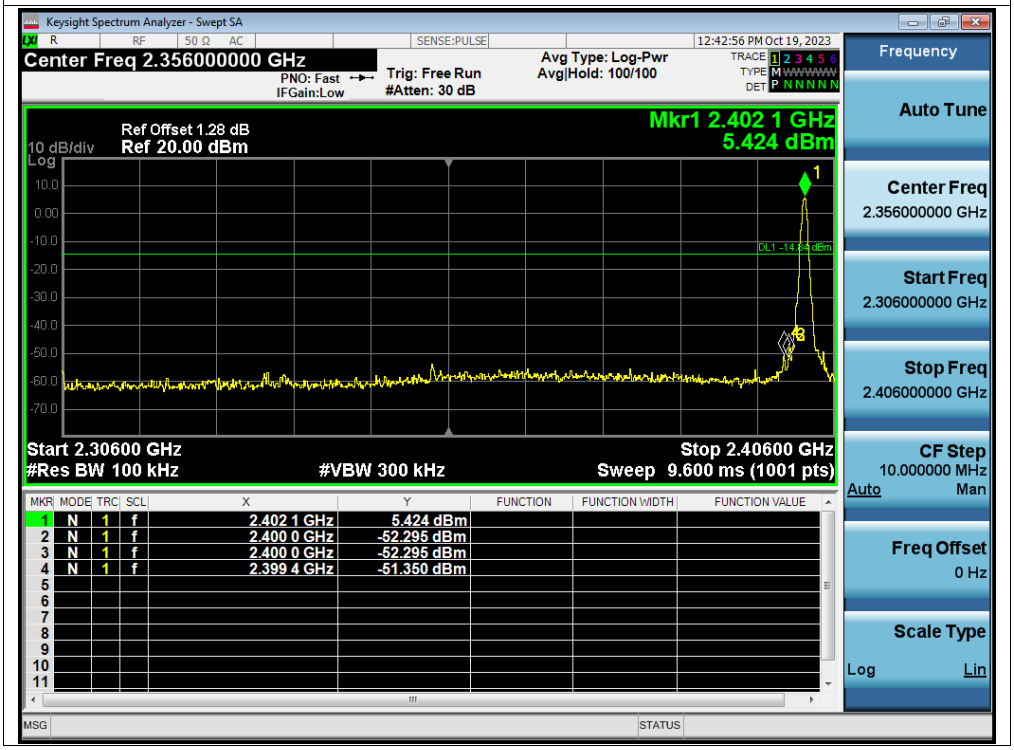
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



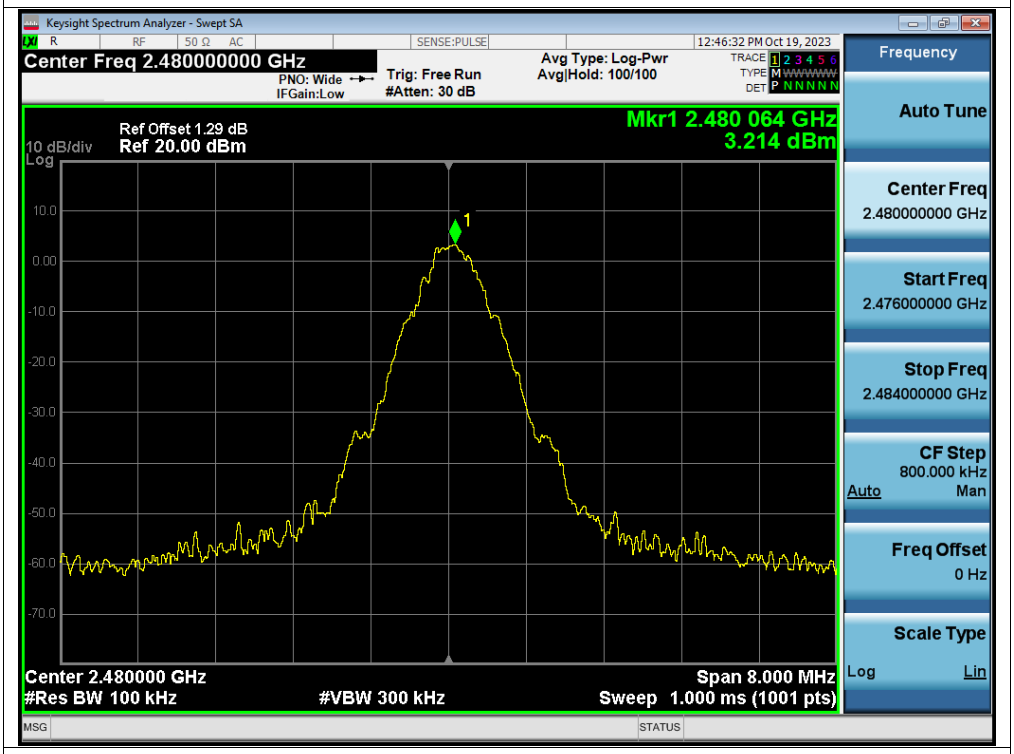
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



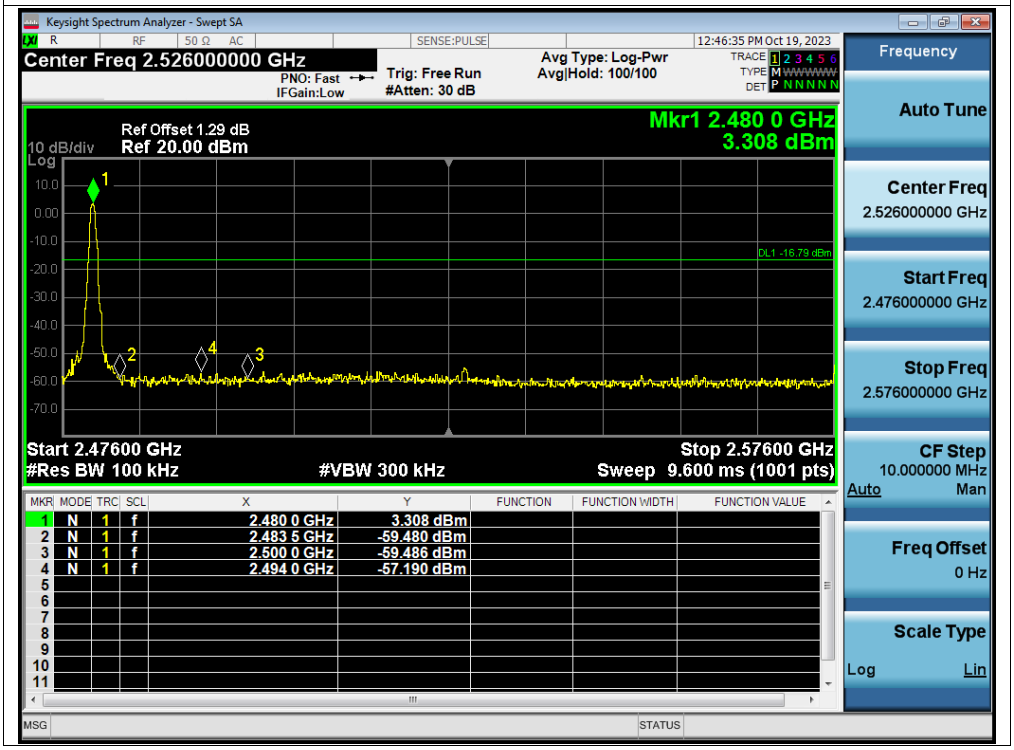
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission



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



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



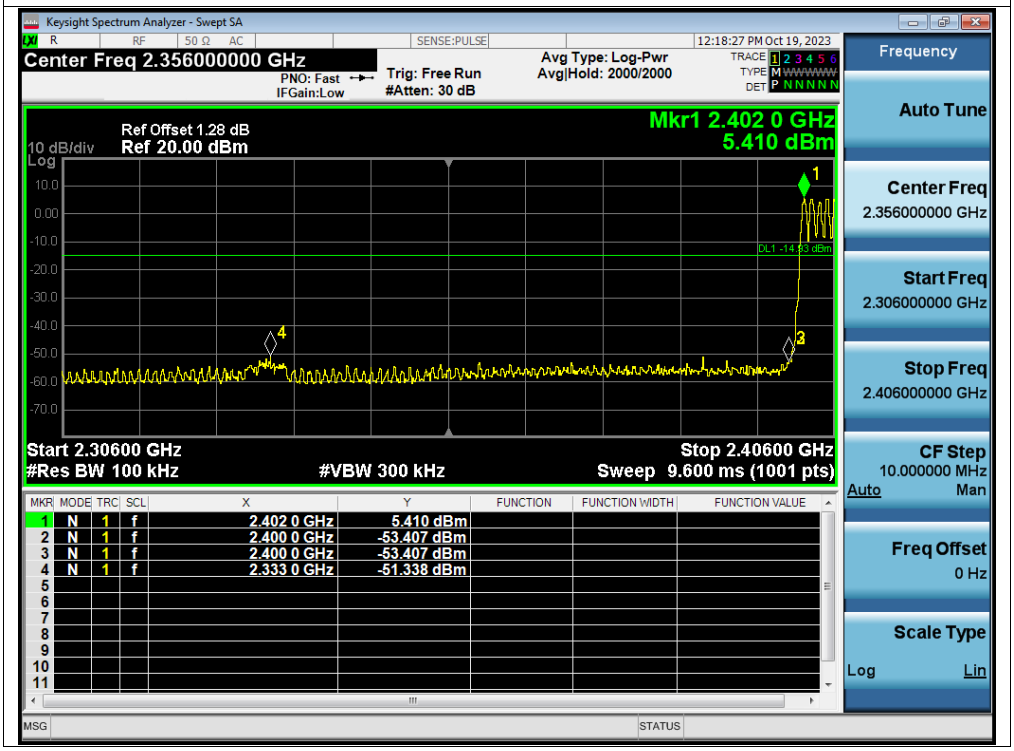
Band Edge(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-56.4	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-55.89	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-58.55	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-57.57	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-57.95	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-56.31	-20	Pass

Test Graphs

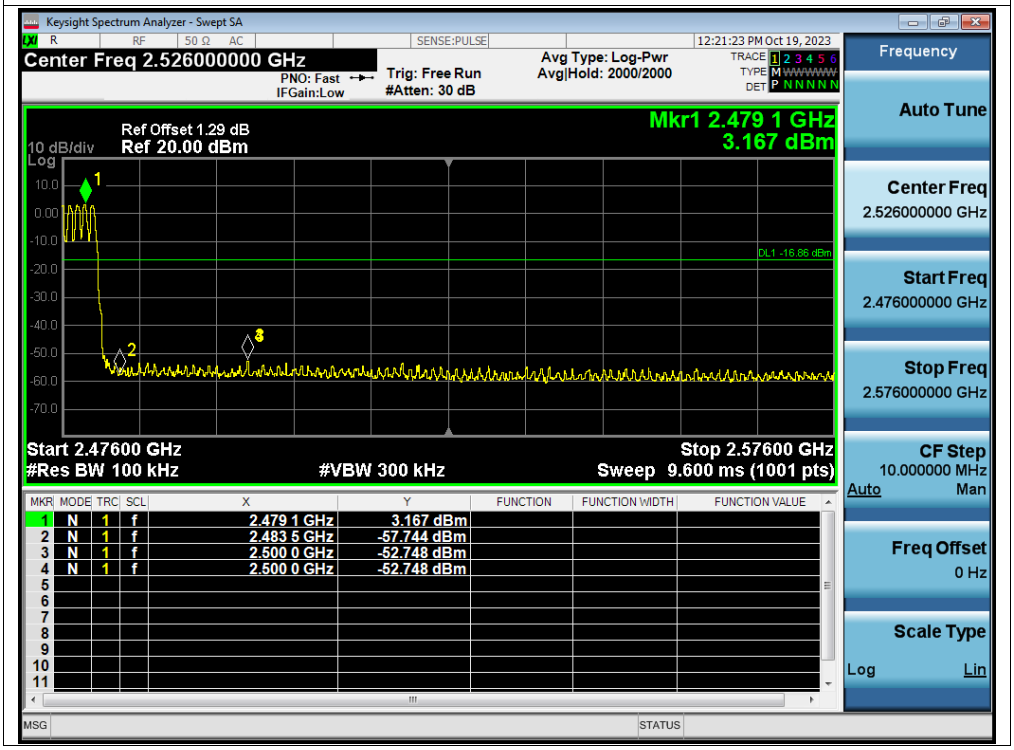
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref

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



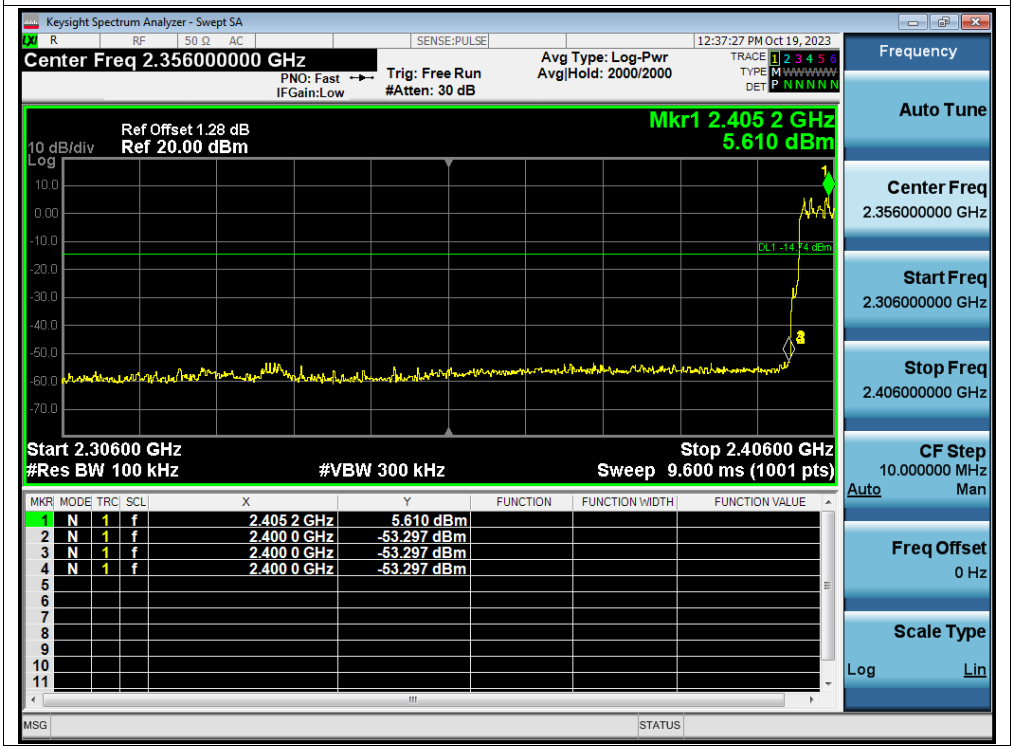
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref

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

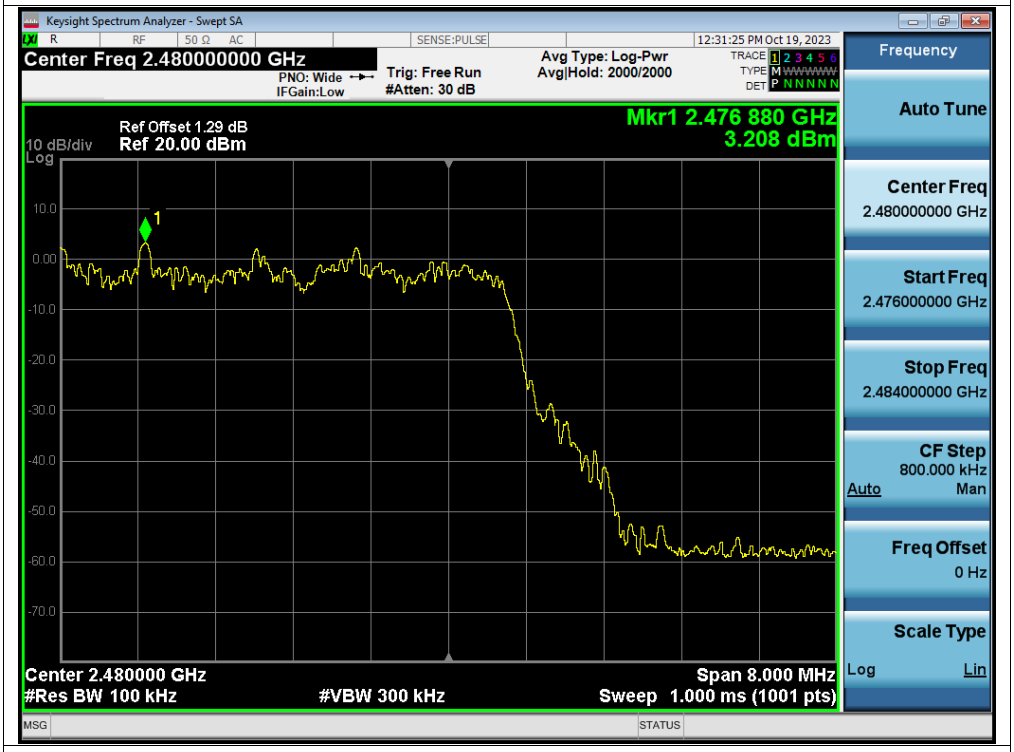


Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref

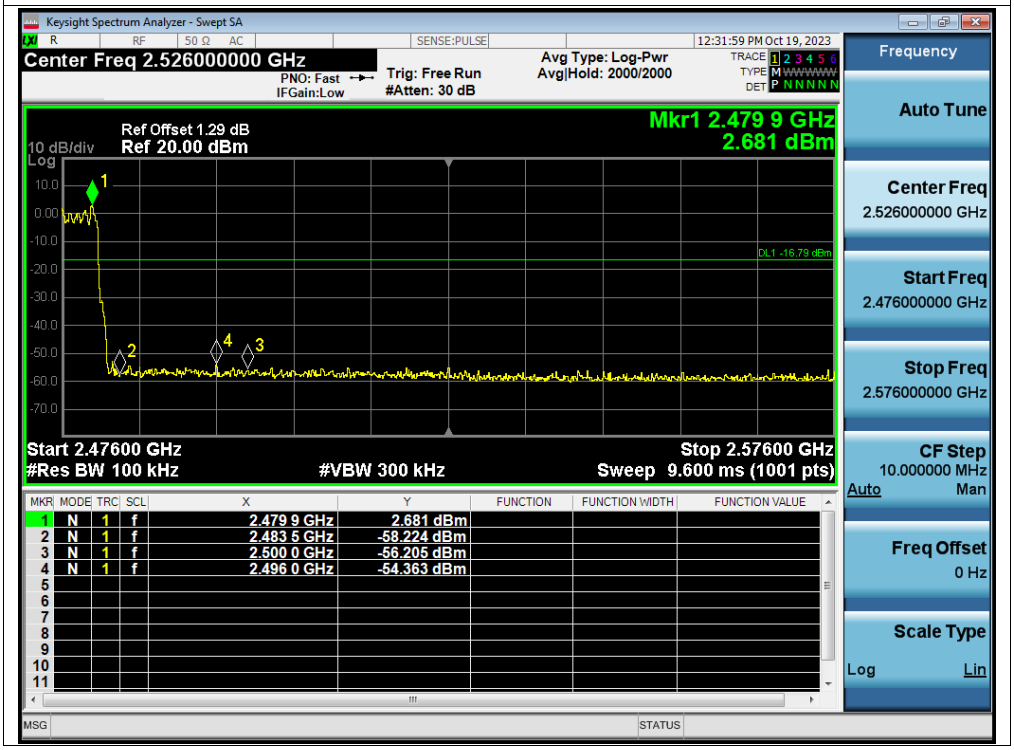
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission



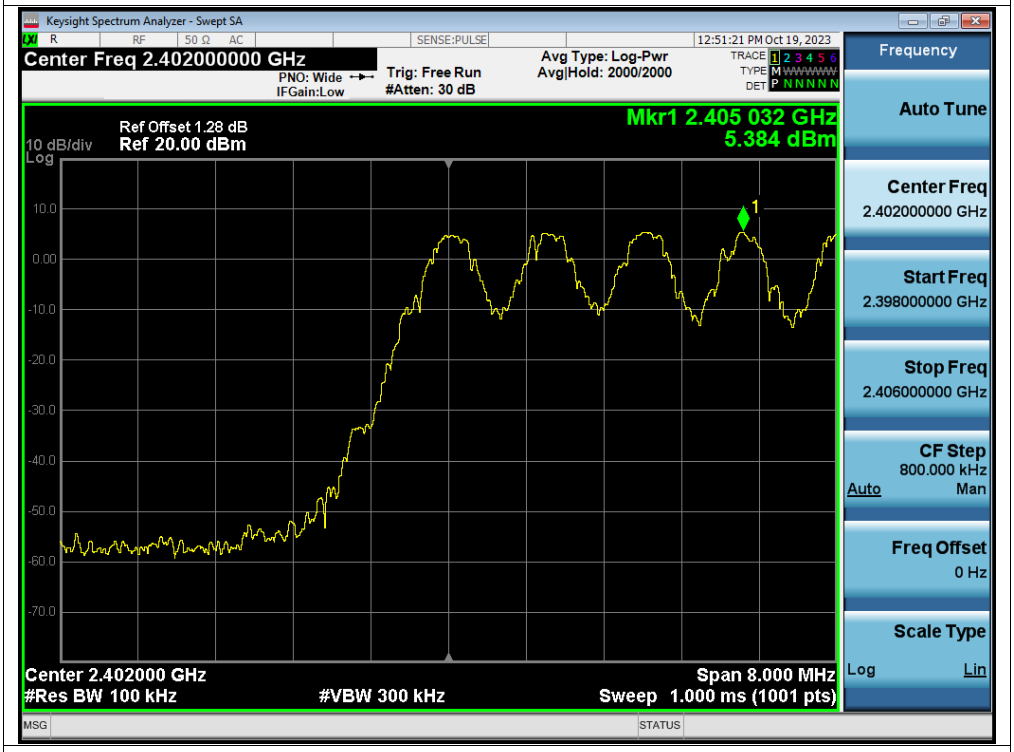
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



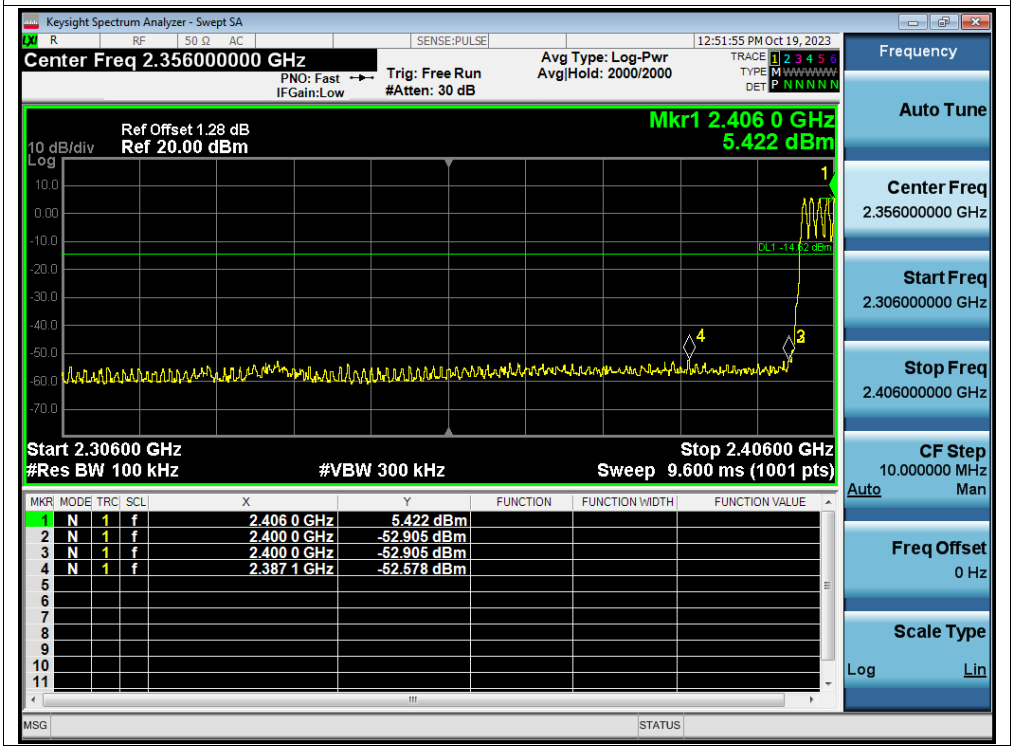
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission



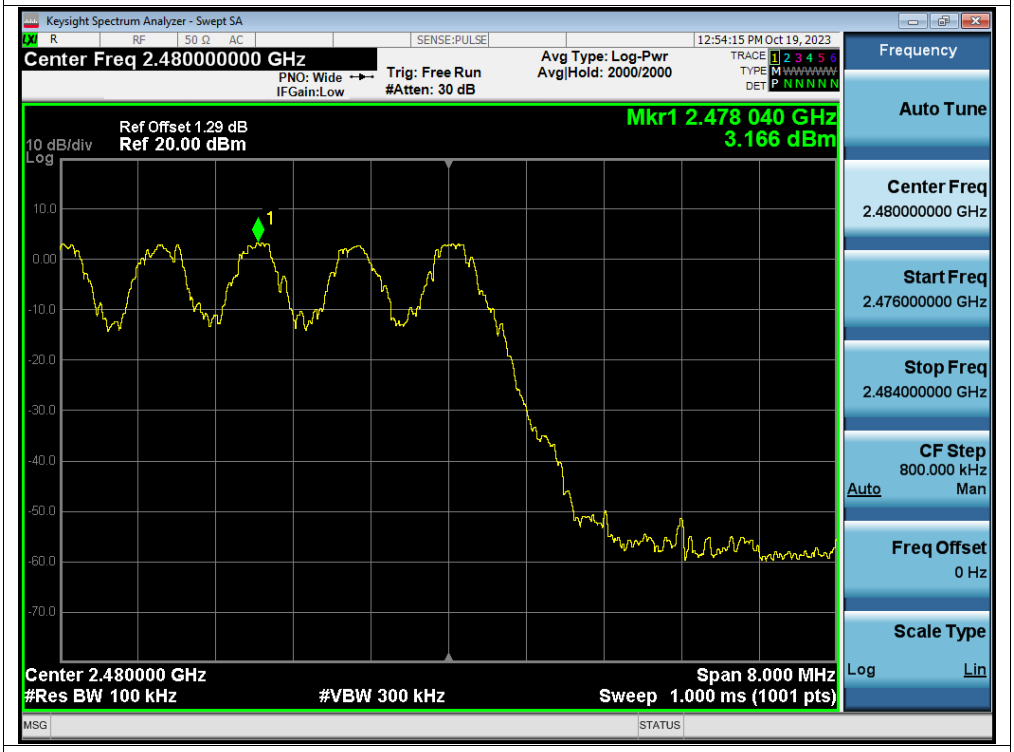
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



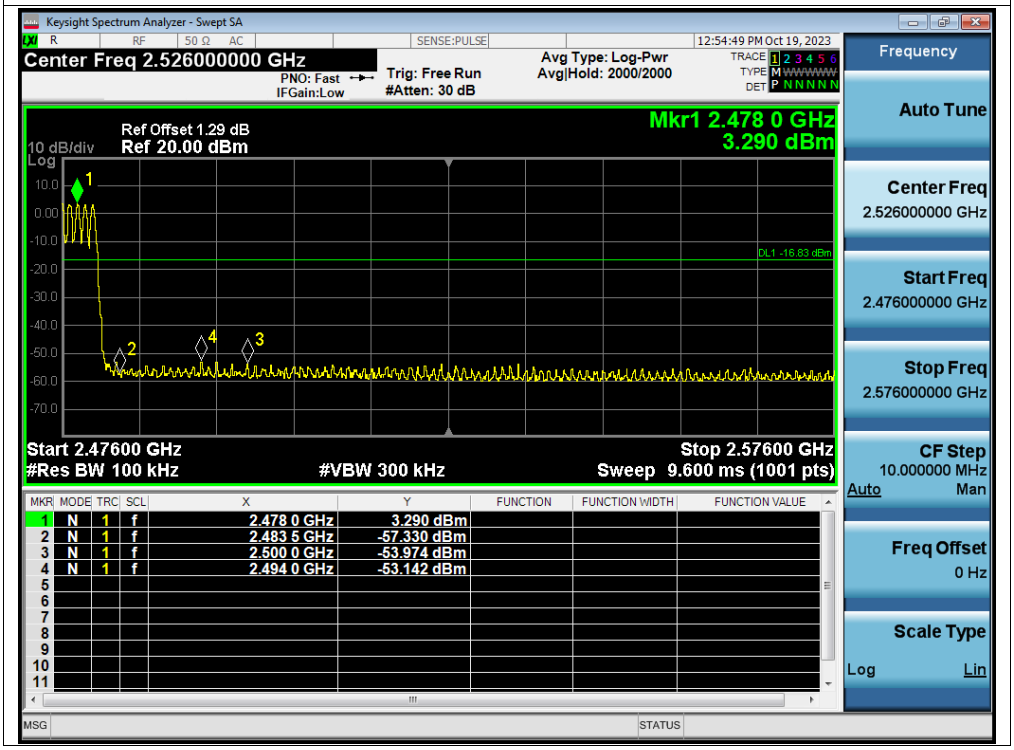
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission



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



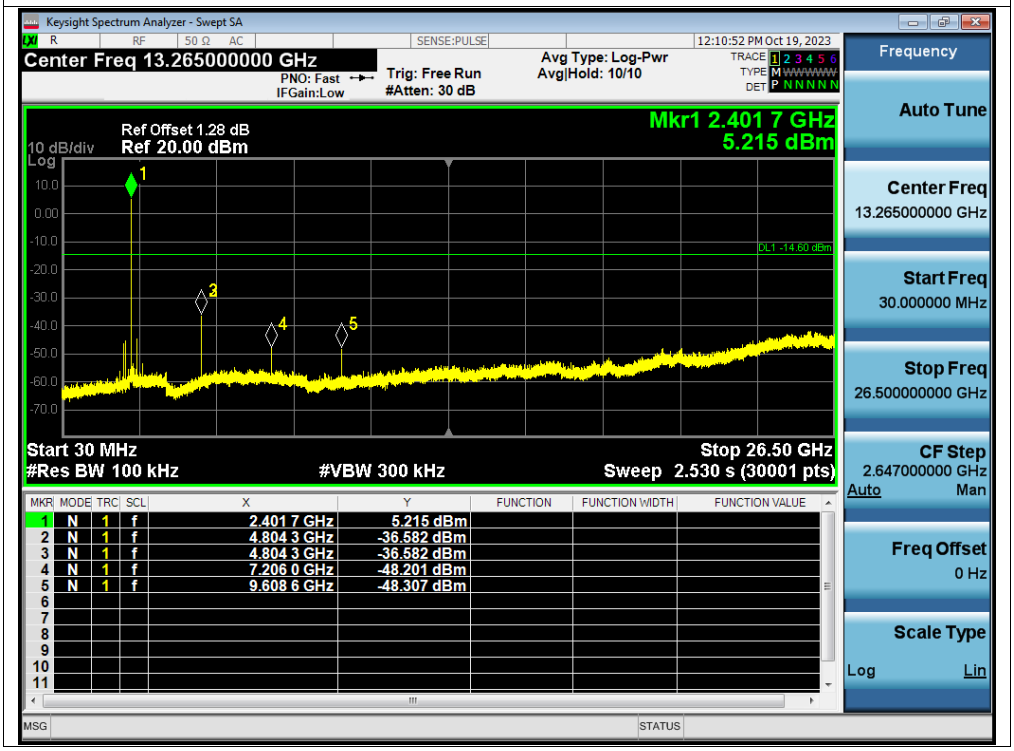
Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission



Conducted RF Spurious Emission

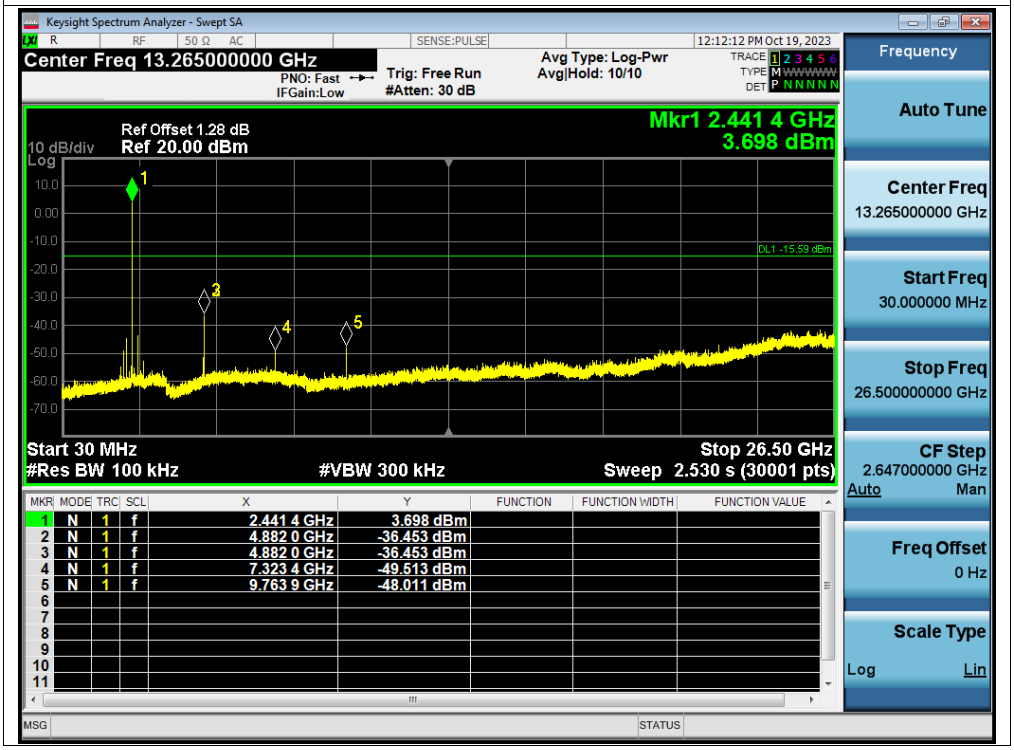
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-41.98	-20	Pass
NVNT	1-DH5	2441	Ant1	-40.86	-20	Pass
NVNT	1-DH5	2480	Ant1	-40.89	-20	Pass
NVNT	2-DH5	2402	Ant1	-39.98	-20	Pass
NVNT	2-DH5	2441	Ant1	-42.03	-20	Pass
NVNT	2-DH5	2480	Ant1	-42.04	-20	Pass
NVNT	3-DH5	2402	Ant1	-42.13	-20	Pass
NVNT	3-DH5	2441	Ant1	-41.45	-20	Pass
NVNT	3-DH5	2480	Ant1	-40.16	-20	Pass

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

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission


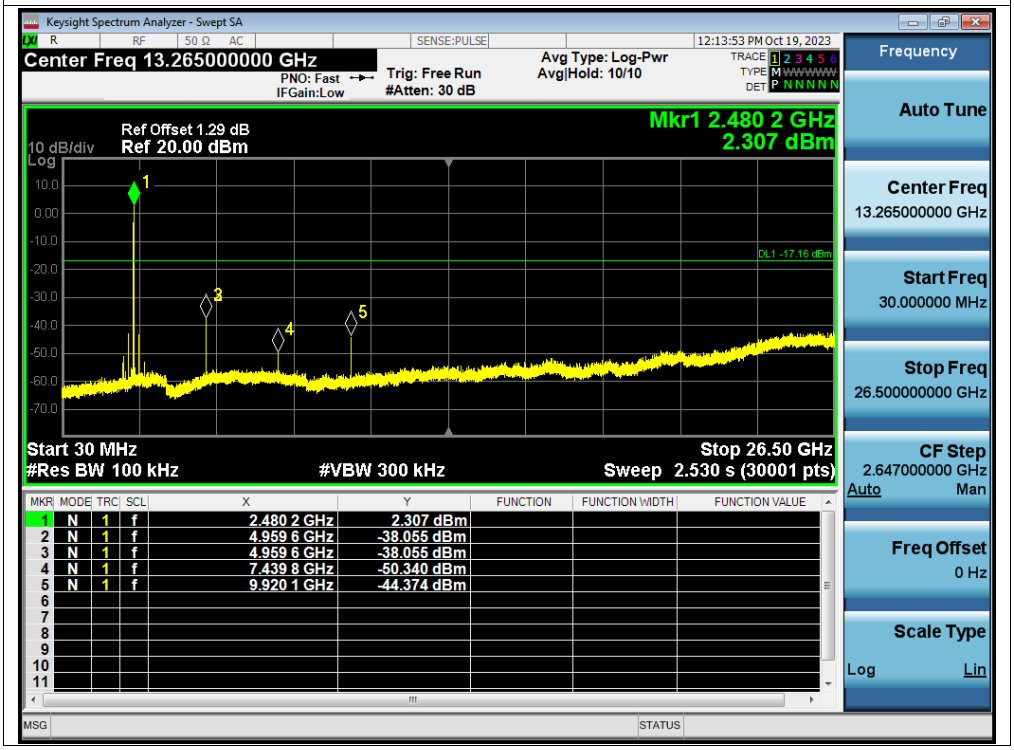
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref

Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



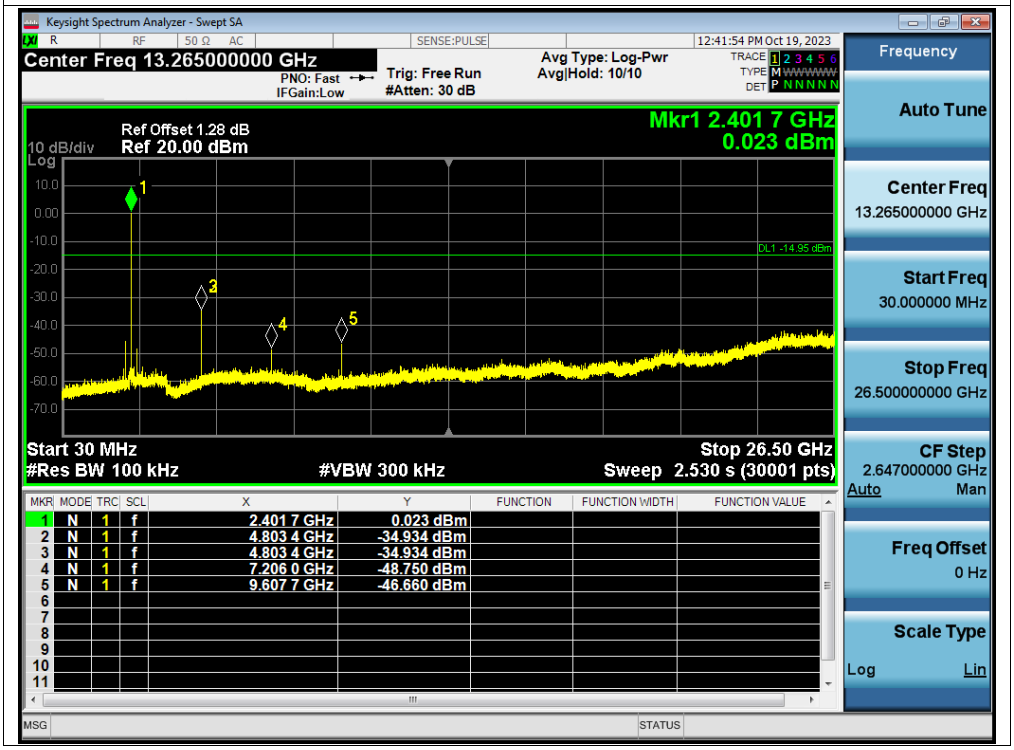
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref

Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



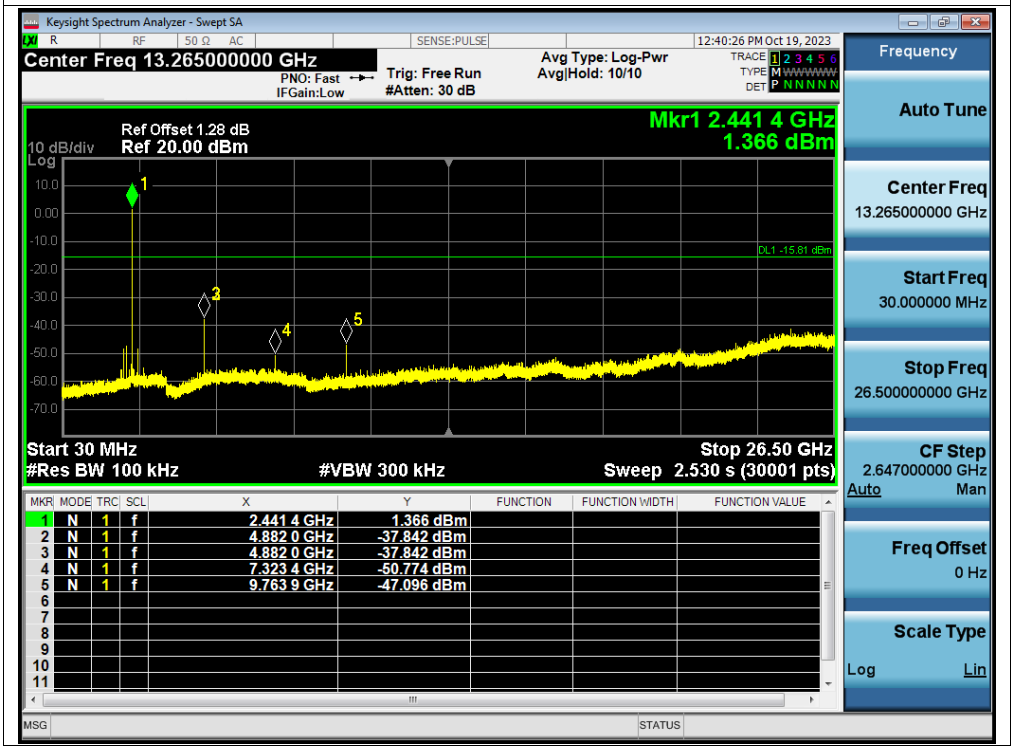
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref

Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



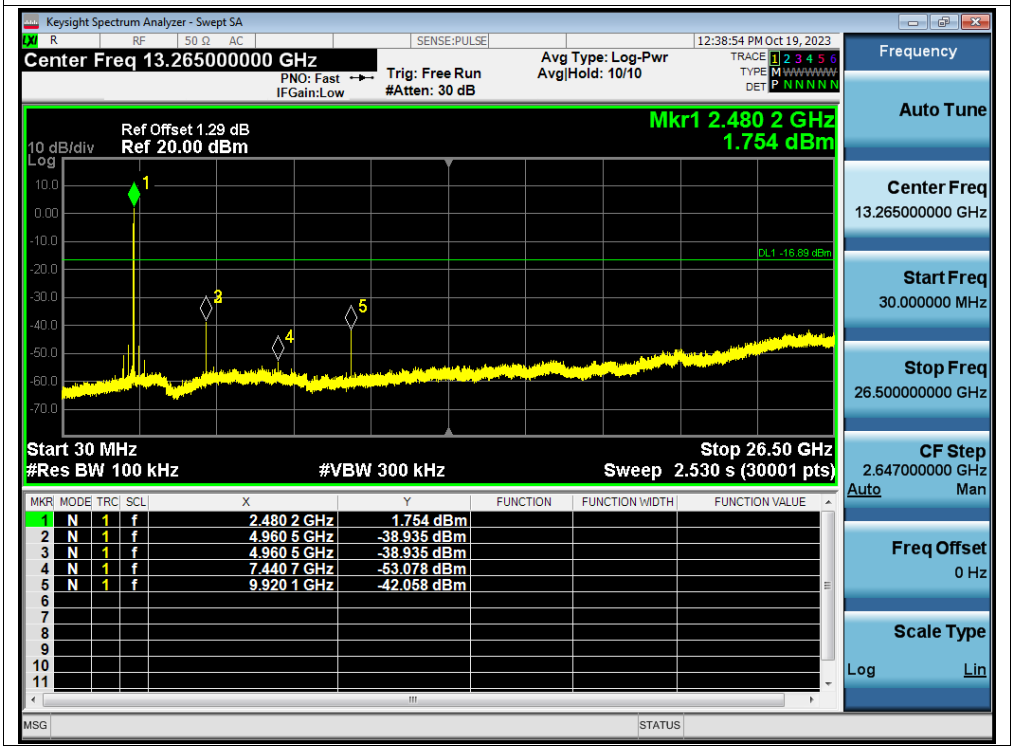
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref

Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



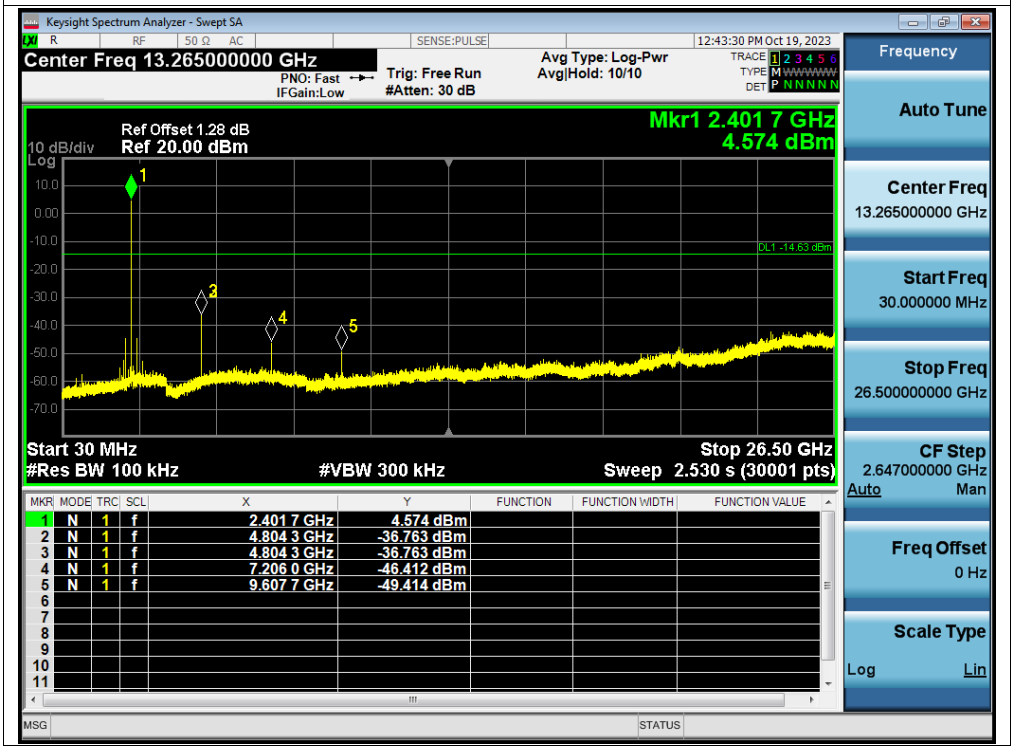
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref

Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission

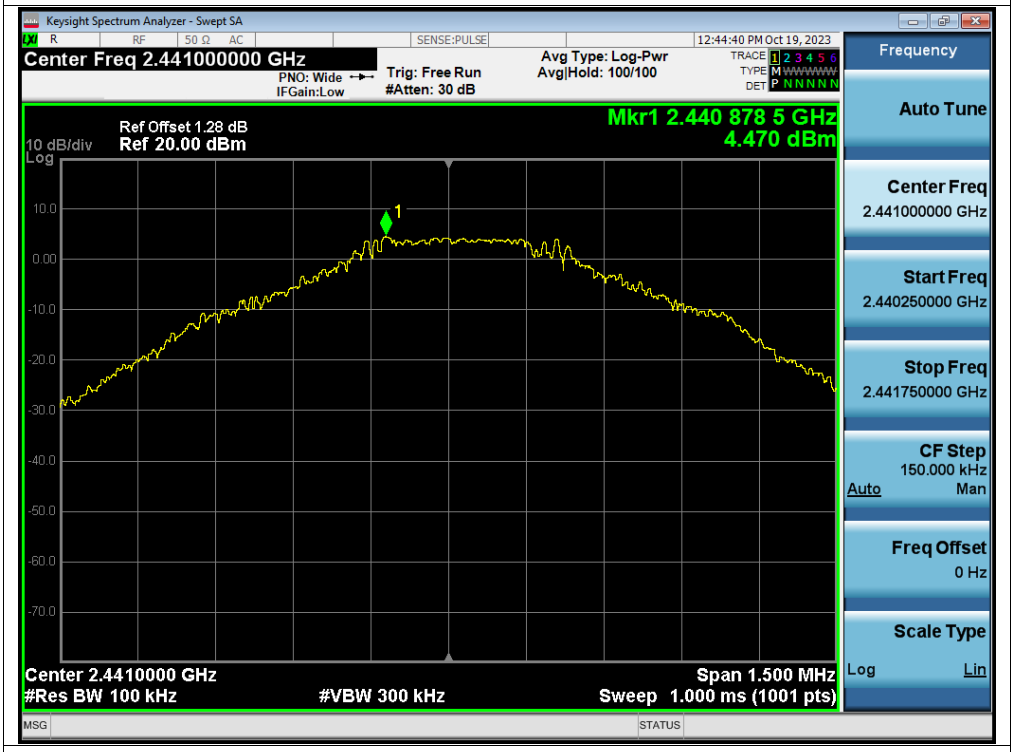


Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref

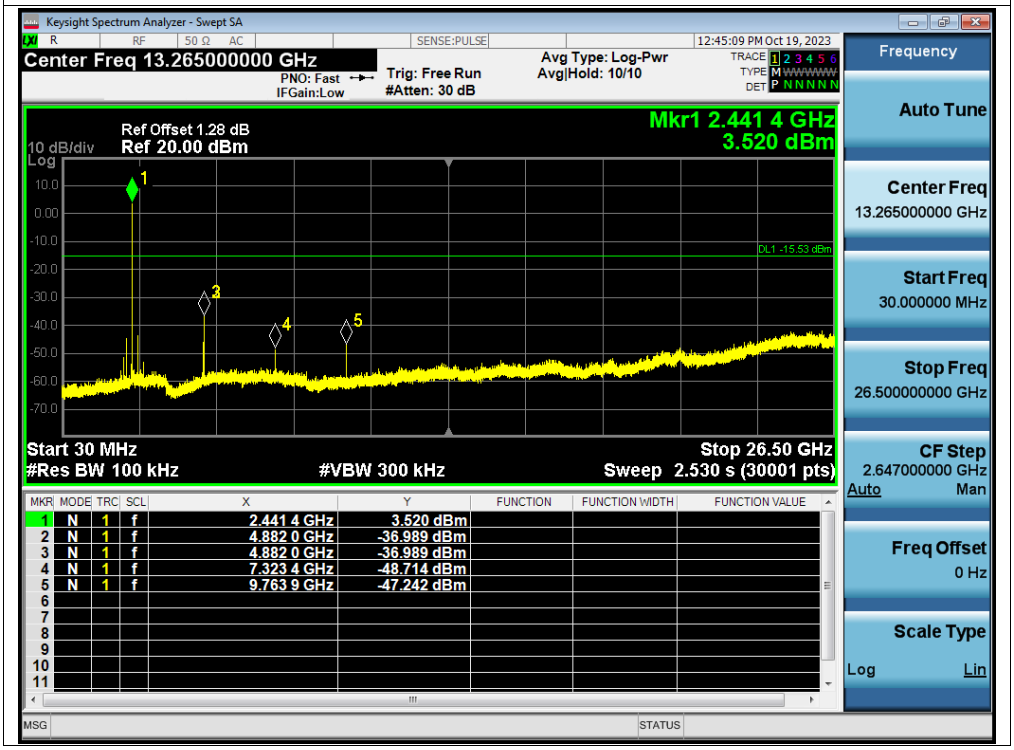
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission



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