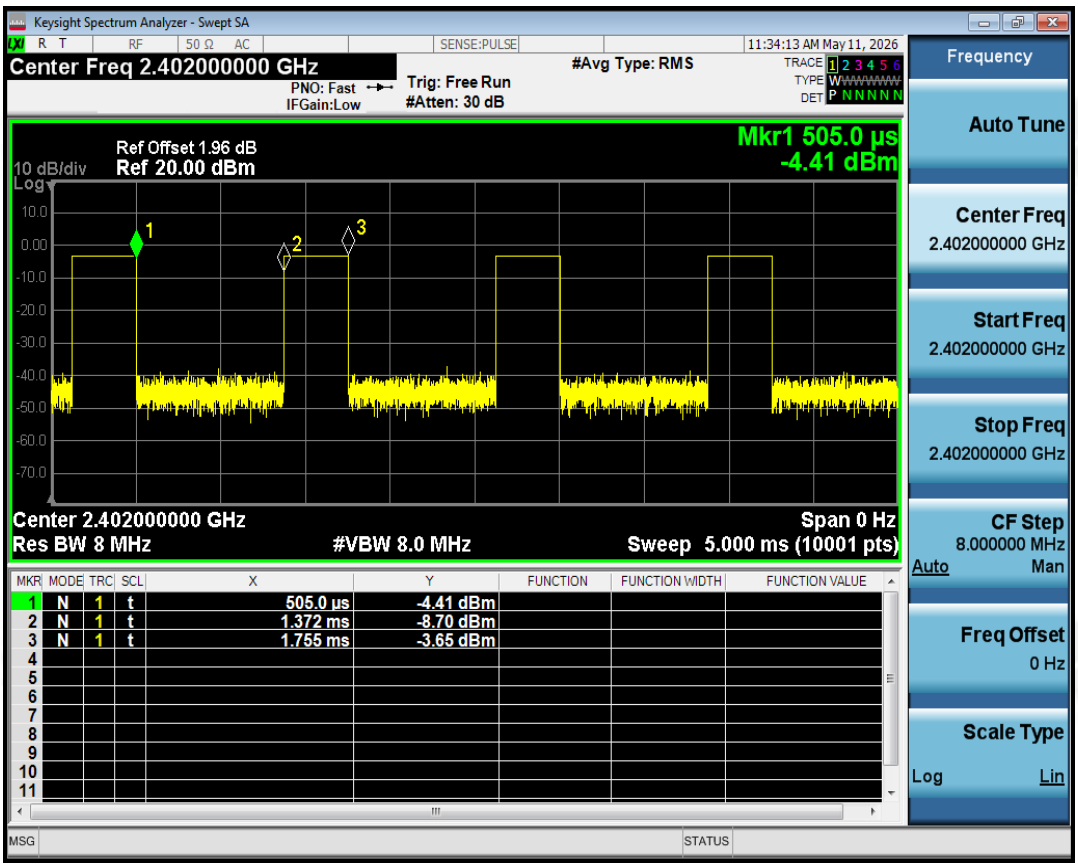
RF Test Data

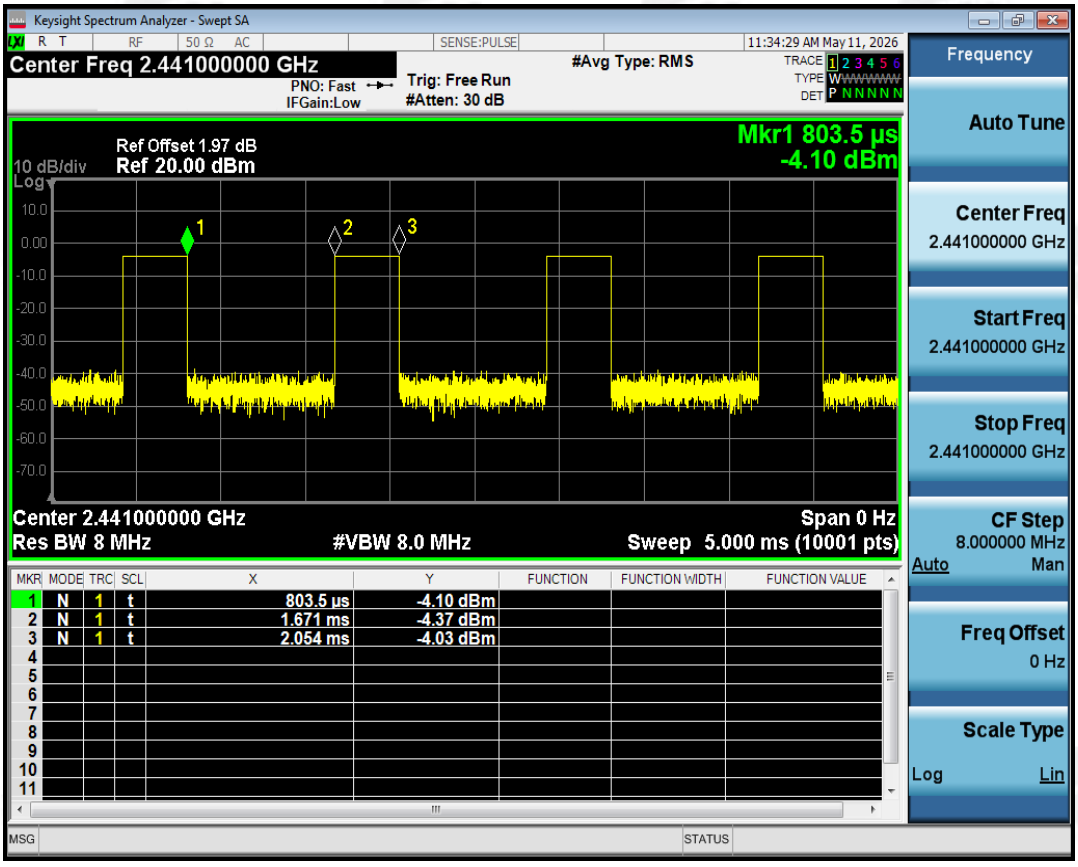
Duty Cycle 2
Maximum Peak Conducted Output Power 8
-20dB Bandwidth 14
Occupied Channel Bandwidth 20
Carrier Frequencies Separation 26
Number of Hopping Channel 32
Band Edge 38
Band Edge(Hopping) 45
Conducted RF Spurious Emission 52
Dwell Time 61

Duty Cycle

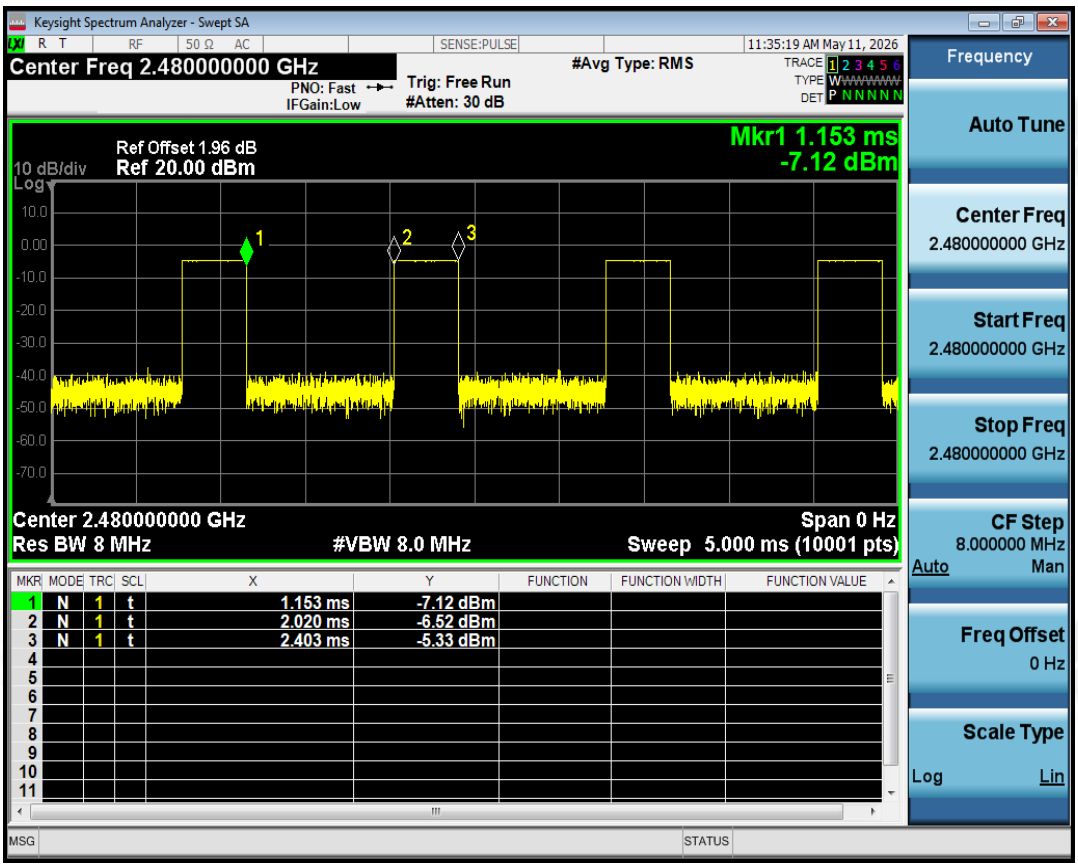
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH1	2402	Ant1	30.64	5.14	2.61
NVNT	1-DH1	2441	Ant1	30.6	5.14	2.61
NVNT	1-DH1	2480	Ant1	30.64	5.14	2.61
NVNT	2-DH1	2402	Ant1	31.43	5.03	2.54
NVNT	2-DH1	2441	Ant1	31.4	5.03	2.55
NVNT	2-DH1	2480	Ant1	31.44	5.03	2.54
NVNT	3-DH1	2402	Ant1	31.48	5.02	2.54
NVNT	3-DH1	2441	Ant1	31.48	5.02	2.54
NVNT	3-DH1	2480	Ant1	31.52	5.01	2.54



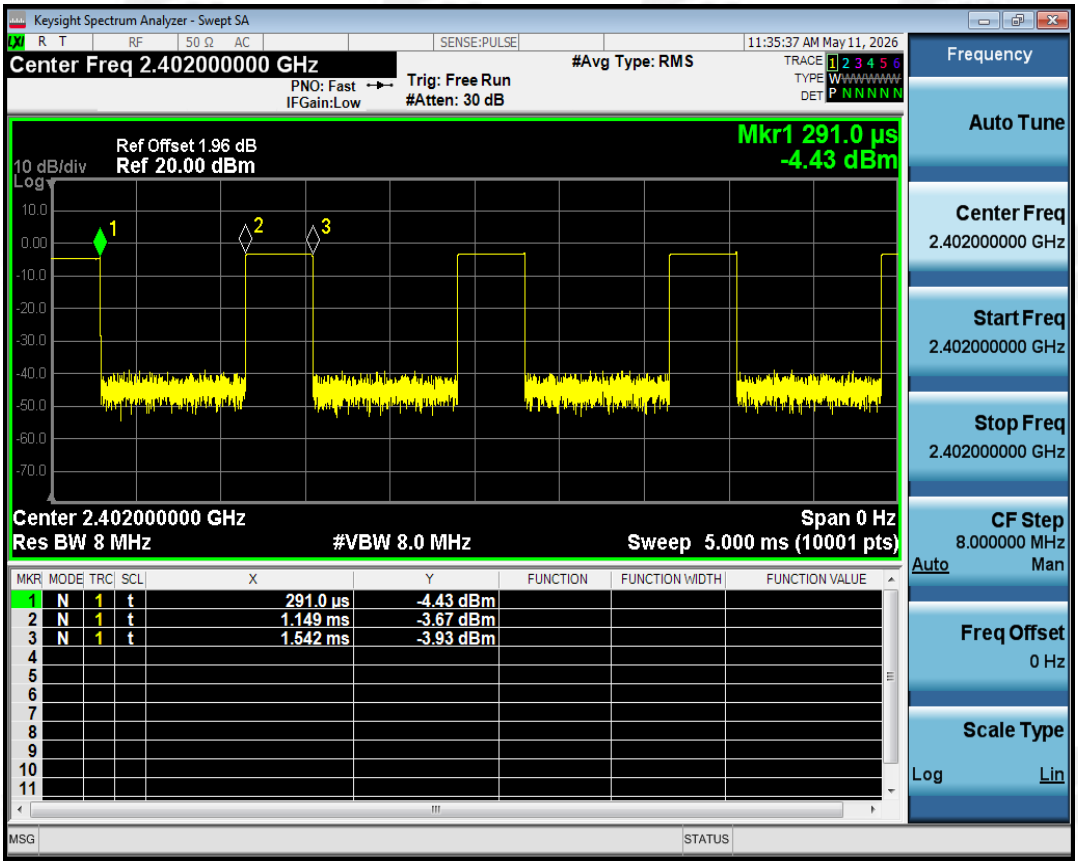
Duty Cycle NVNT 1-DH1 2402MHz Ant1



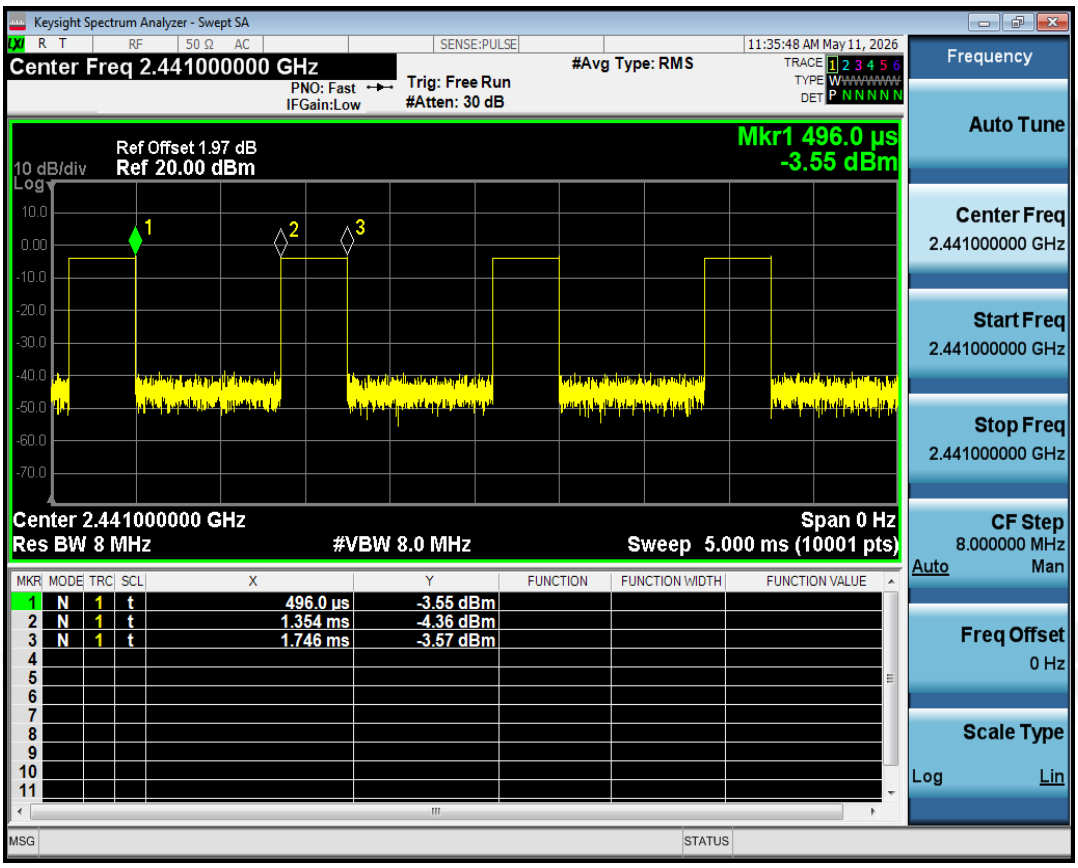
Duty Cycle NVNT 1-DH1 2441MHz Ant1



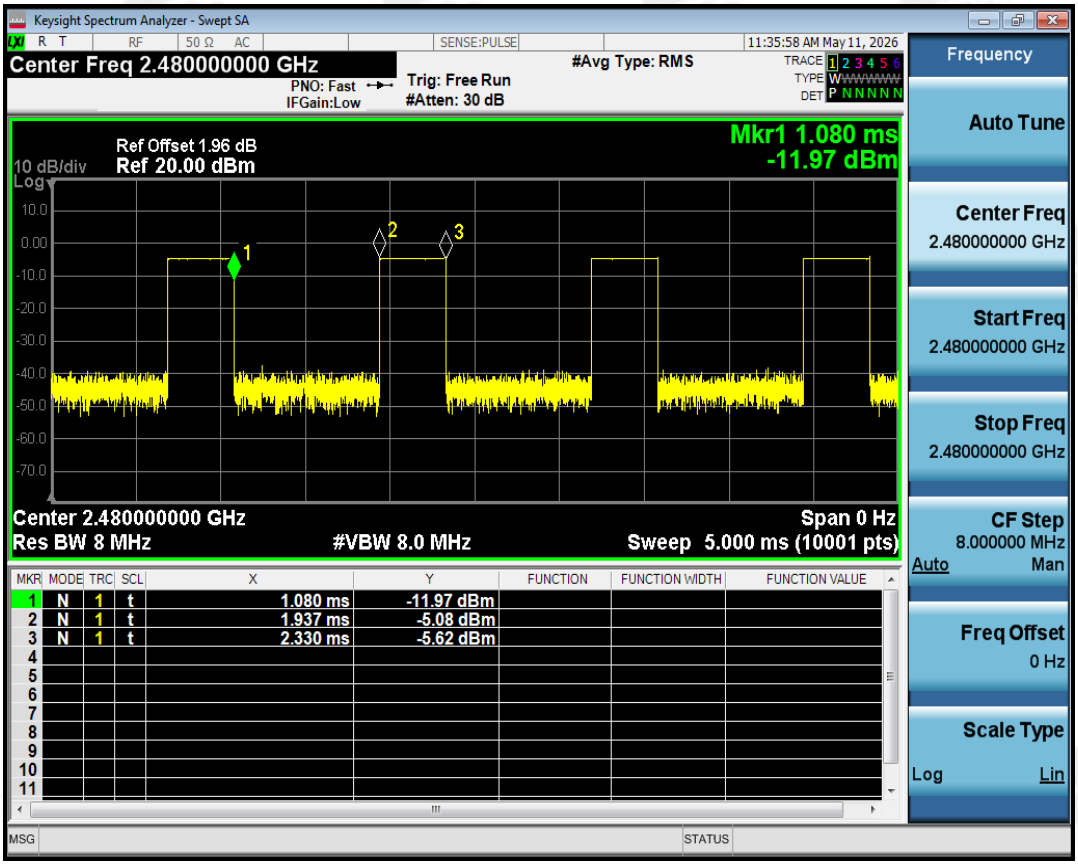
Duty Cycle NVNT 1-DH1 2480MHz Ant1



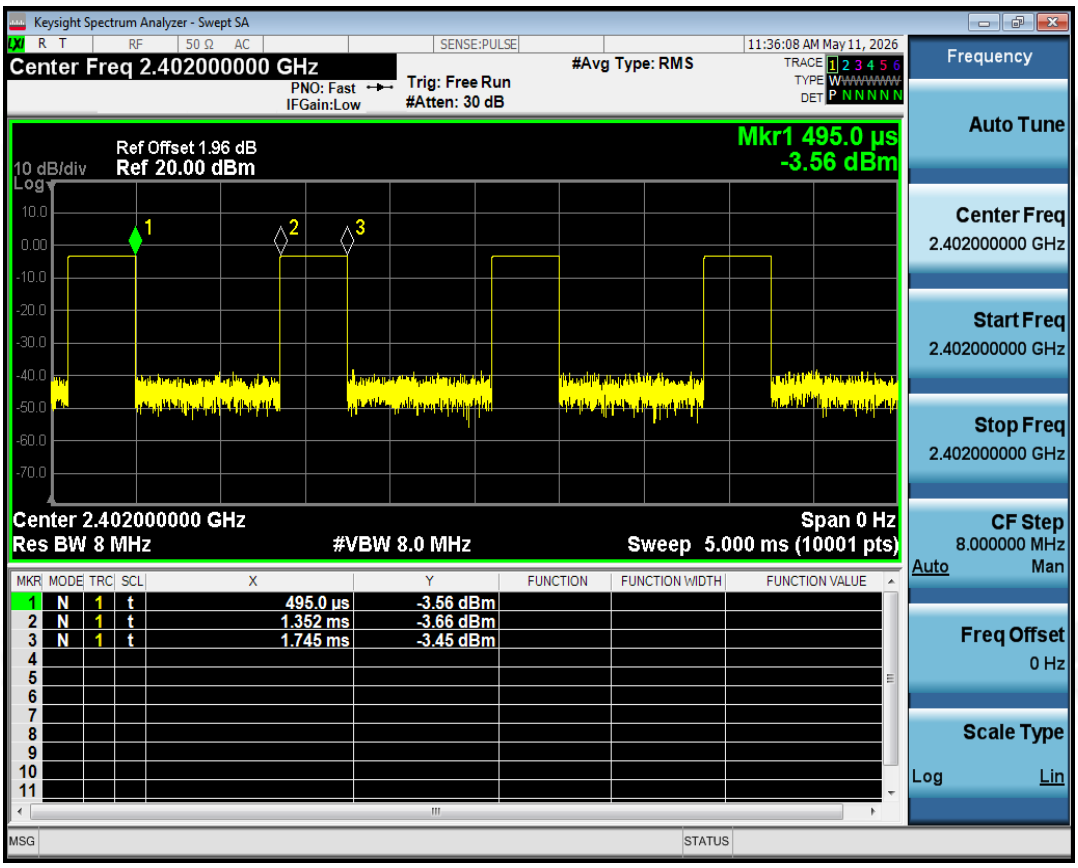
Duty Cycle NVNT 2-DH1 2402MHz Ant1



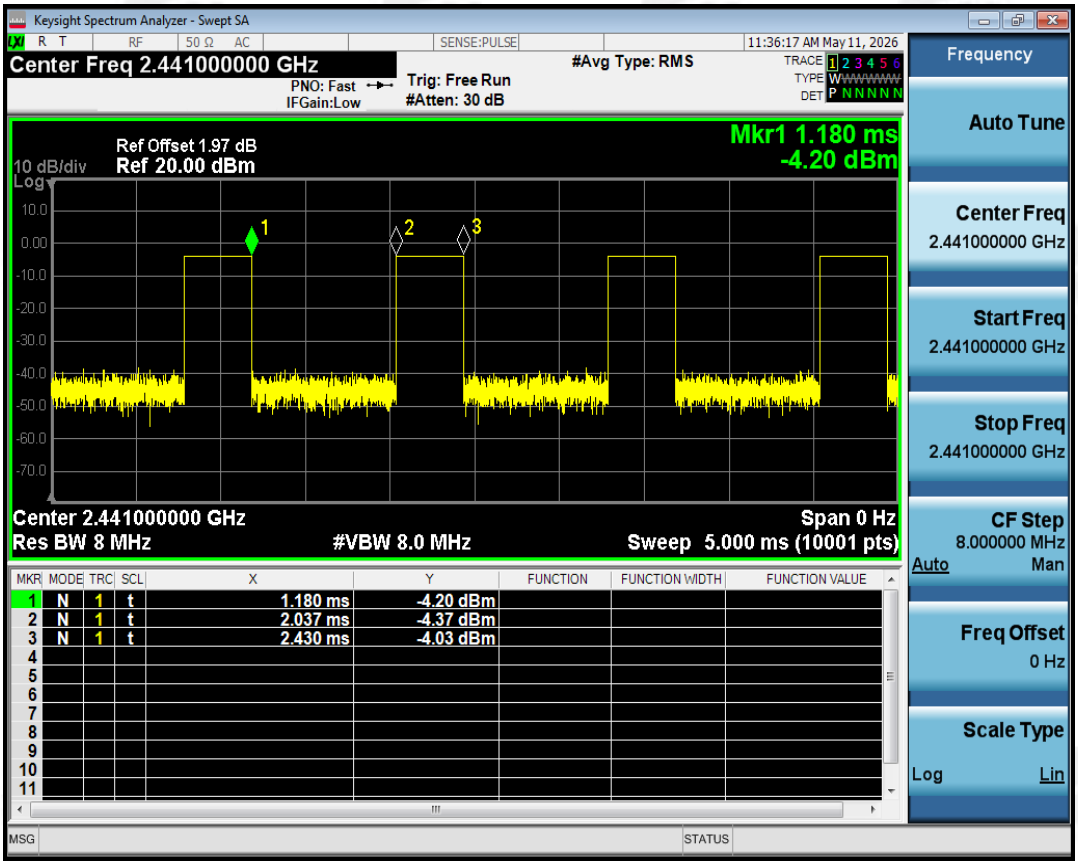
Duty Cycle NVNT 2-DH1 2441MHz Ant1



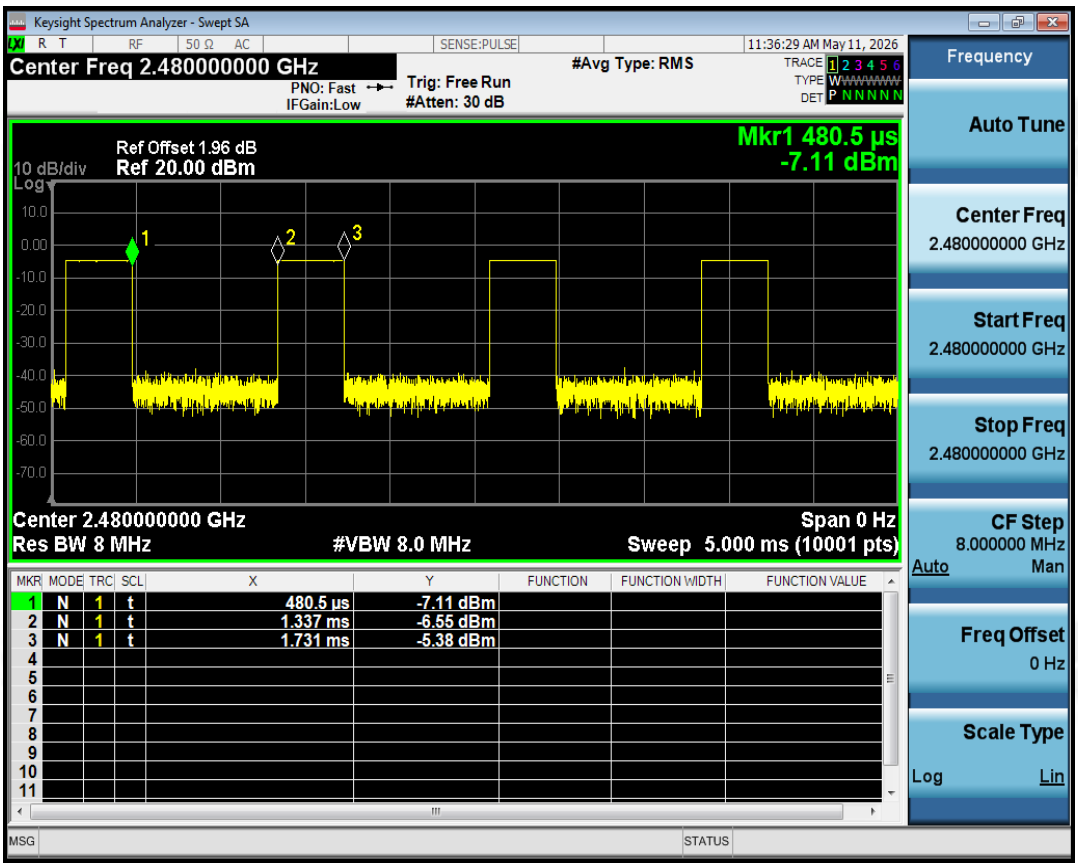
Duty Cycle NVNT 2-DH1 2480MHz Ant1



Duty Cycle NVNT 3-DH1 2402MHz Ant1



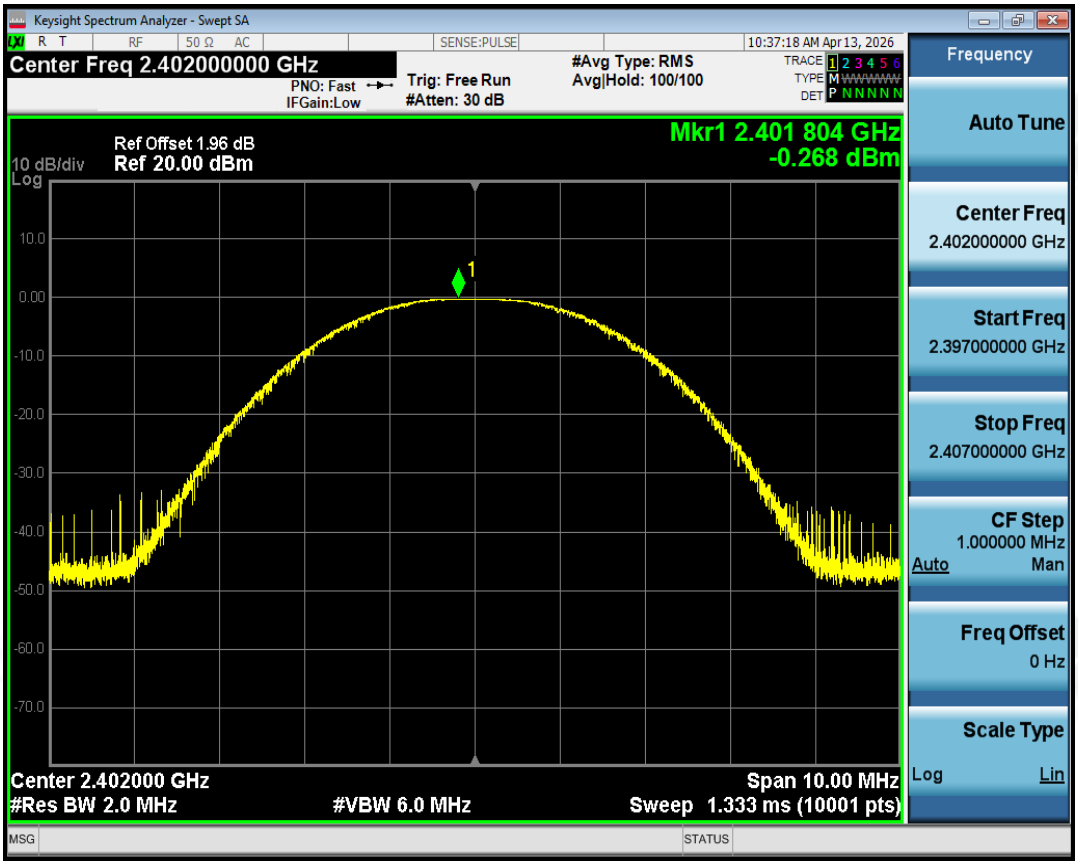
Duty Cycle NVNT 3-DH1 2441MHz Ant1



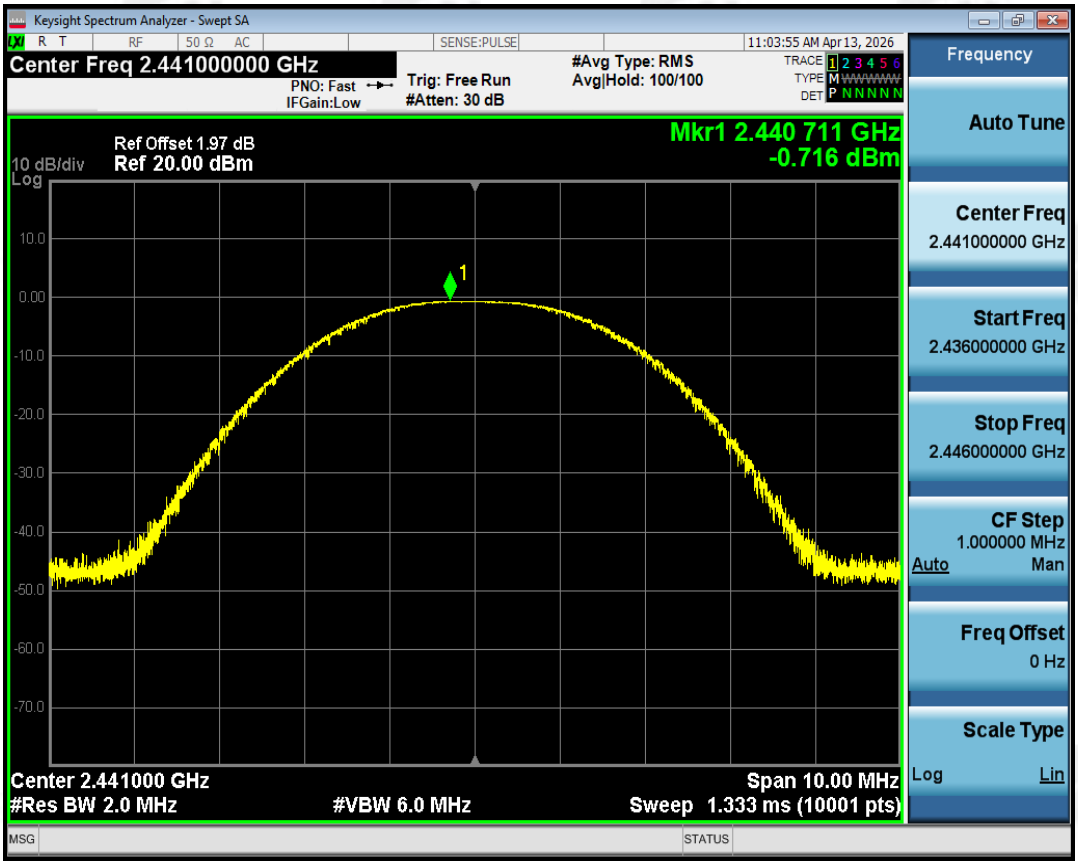
Duty Cycle NVNT 3-DH1 2480MHz Ant1

Maximum Peak Conducted Output Power

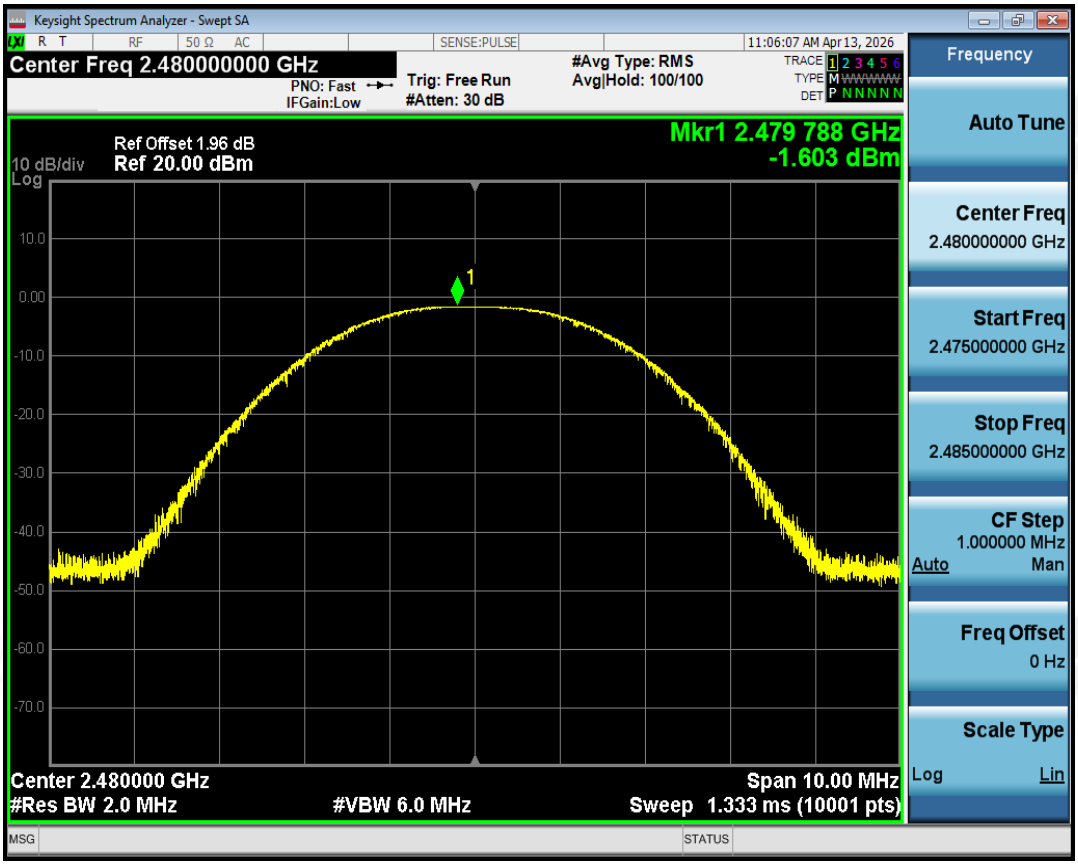
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted(dBm)	Verdict
NVNT	1-DH1	2402	Ant1	-0.27	-0.27	0.00094	20.97	Pass
NVNT	1-DH1	2441	Ant1	-0.72	-0.72	0.00085	20.97	Pass
NVNT	1-DH1	2480	Ant1	-1.6	-1.6	0.00069	20.97	Pass
NVNT	2-DH1	2402	Ant1	0.71	0.71	0.00118	20.97	Pass
NVNT	2-DH1	2441	Ant1	0.07	0.07	0.00102	20.97	Pass
NVNT	2-DH1	2480	Ant1	-0.78	-0.78	0.00084	20.97	Pass
NVNT	3-DH1	2402	Ant1	1.29	1.29	0.00135	20.97	Pass
NVNT	3-DH1	2441	Ant1	0.67	0.67	0.00117	20.97	Pass
NVNT	3-DH1	2480	Ant1	-0.18	-0.18	0.00096	20.97	Pass



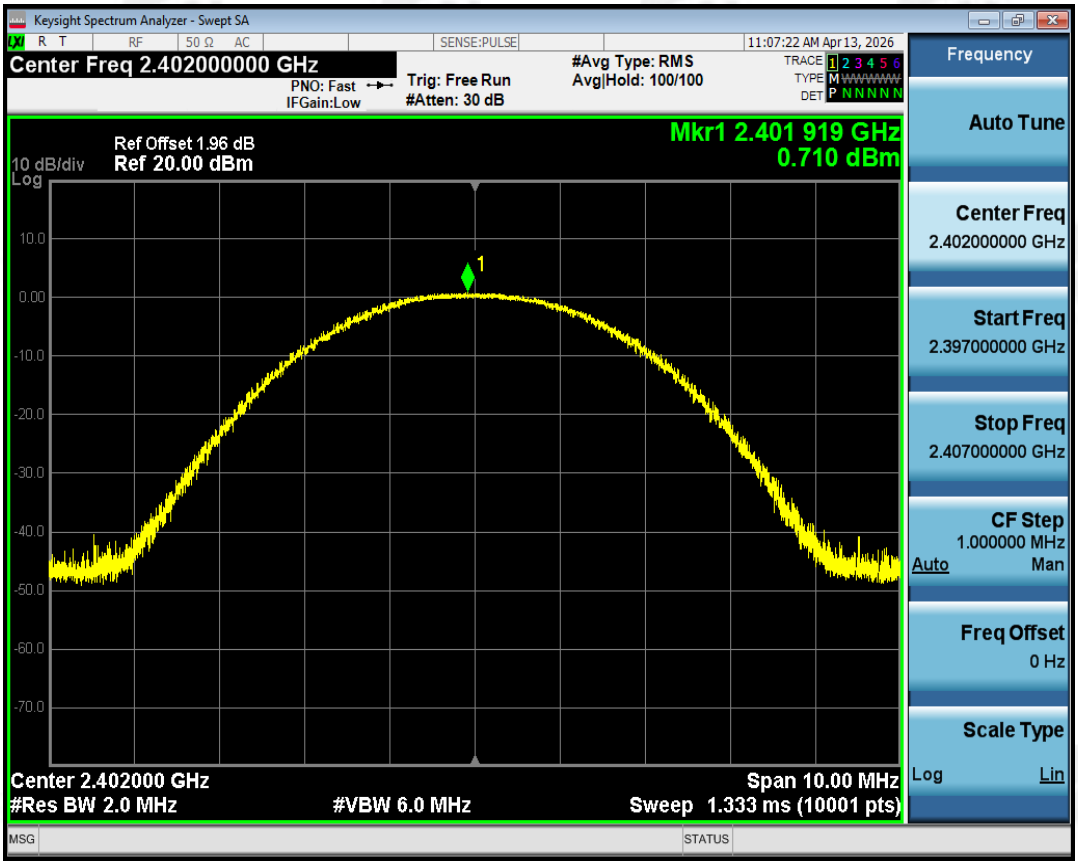
Peak Power NVNT 1-DH1 2402MHz Ant1



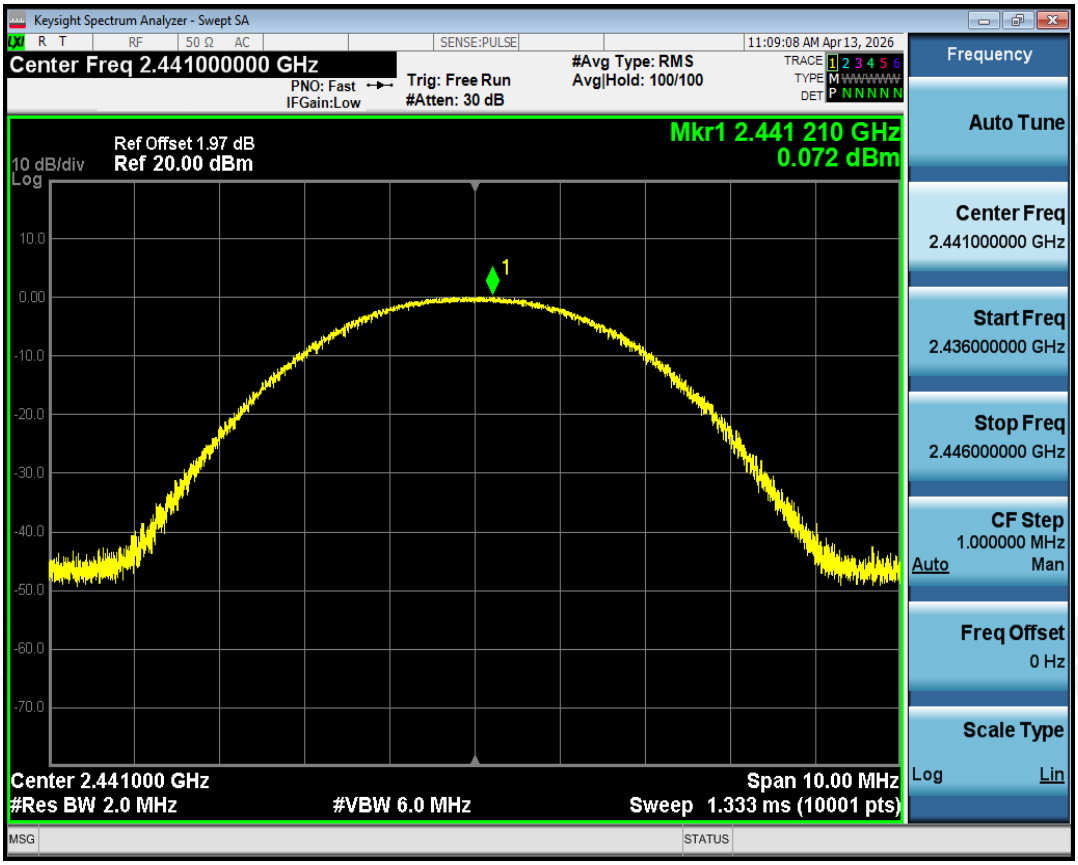
Peak Power NVNT 1-DH1 2441MHz Ant1



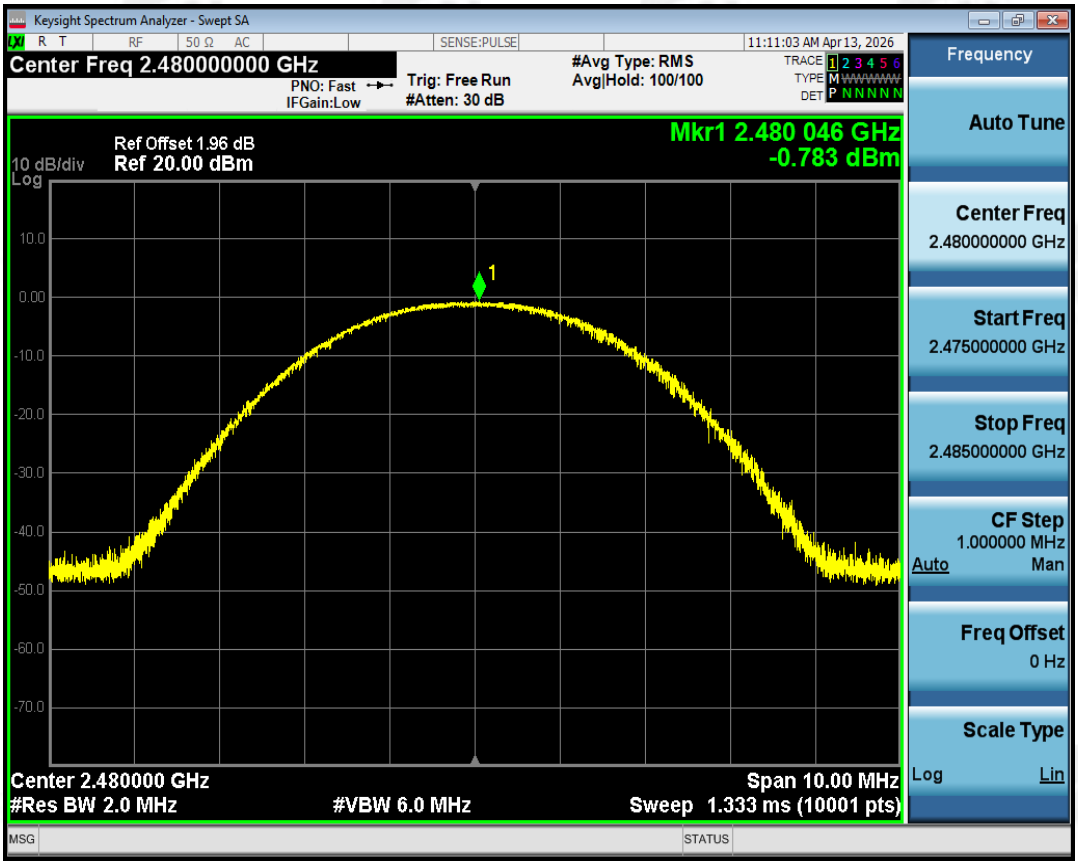
Peak Power NVNT 1-DH1 2480MHz Ant1



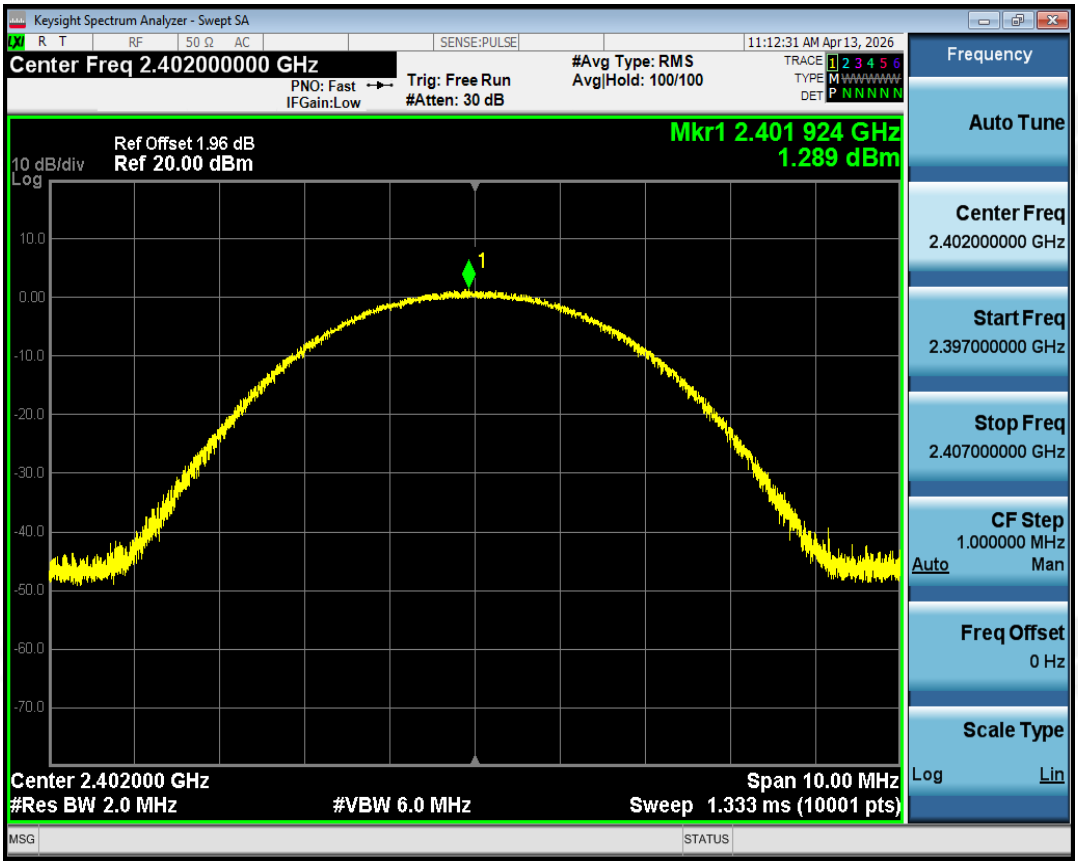
Peak Power NVNT 2-DH1 2402MHz Ant1



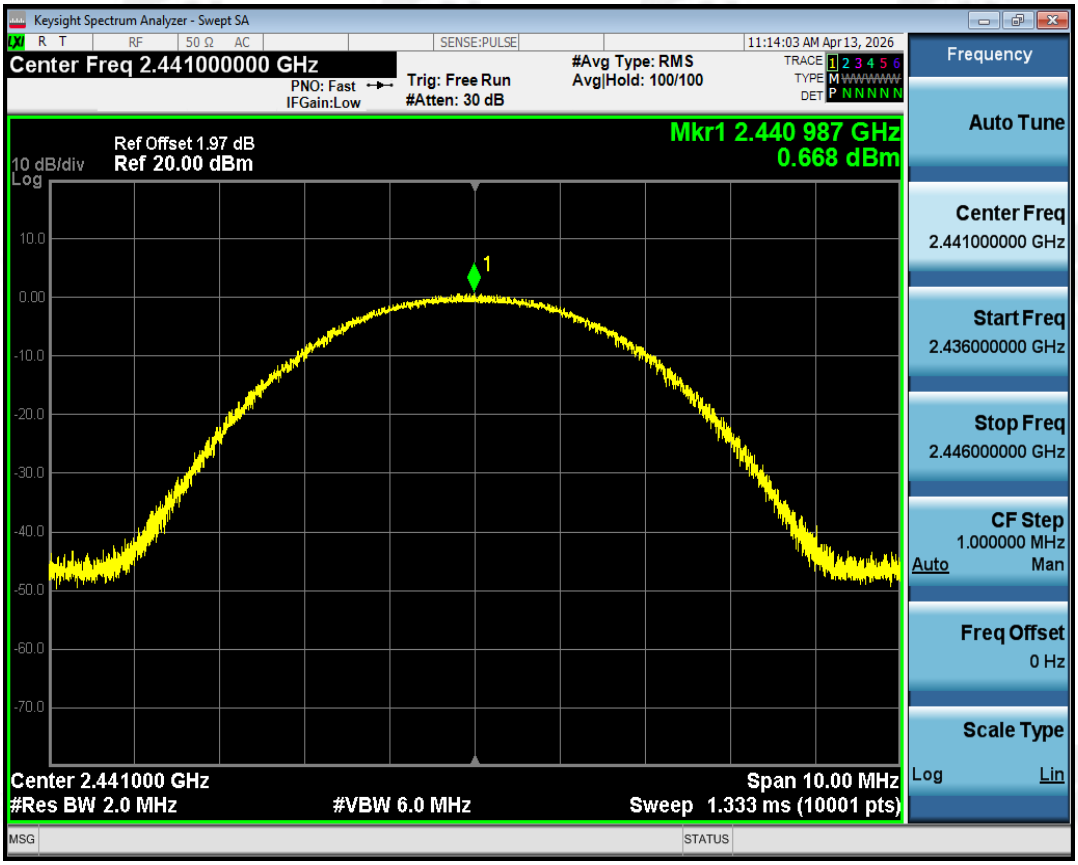
Peak Power NVNT 2-DH1 2441MHz Ant1



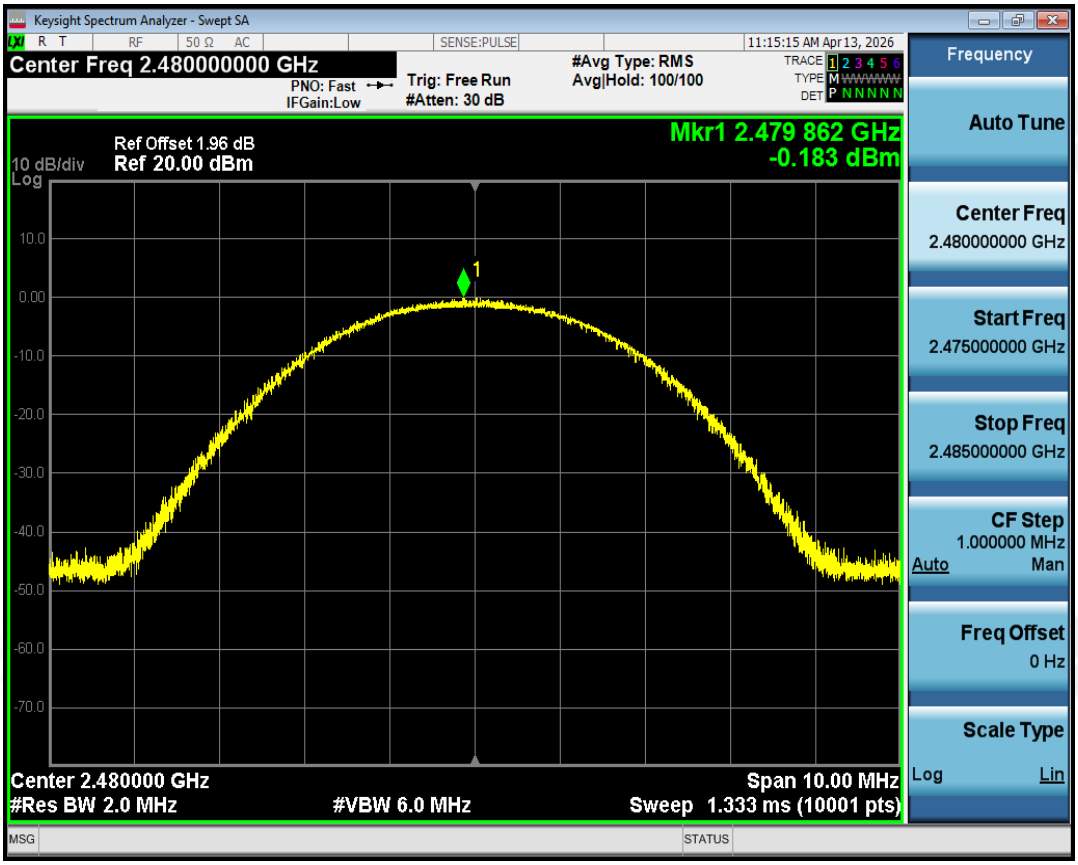
Peak Power NVNT 2-DH1 2480MHz Ant1



Peak Power NVNT 3-DH1 2402MHz Ant1



Peak Power NVNT 3-DH1 2441MHz Ant1



Peak Power NVNT 3-DH1 2480MHz Ant1

-20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	1.03	Pass
NVNT	1-DH1	2441	Ant1	1.037	Pass
NVNT	1-DH1	2480	Ant1	1.035	Pass
NVNT	2-DH1	2402	Ant1	1.301	Pass
NVNT	2-DH1	2441	Ant1	1.289	Pass
NVNT	2-DH1	2480	Ant1	1.269	Pass
NVNT	3-DH1	2402	Ant1	1.249	Pass
NVNT	3-DH1	2441	Ant1	1.278	Pass
NVNT	3-DH1	2480	Ant1	1.262	Pass

-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1

-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1

-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1

-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1

-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1

-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1

-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1

-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1

-20dB Bandwidth NVNT 3-DH1 2480MHz Ant1

Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.96876
NVNT	1-DH1	2441	Ant1	0.98631
NVNT	1-DH1	2480	Ant1	0.98803
NVNT	2-DH1	2402	Ant1	1.1952
NVNT	2-DH1	2441	Ant1	1.2338
NVNT	2-DH1	2480	Ant1	1.2388
NVNT	3-DH1	2402	Ant1	1.202
NVNT	3-DH1	2441	Ant1	1.2199
NVNT	3-DH1	2480	Ant1	1.2104

OBW NVNT 1-DH1 2402MHz Ant1

OBW NVNT 1-DH1 2441MHz Ant1

OBW NVNT 1-DH1 2480MHz Ant1

OBW NVNT 2-DH1 2402MHz Ant1

OBW NVNT 2-DH1 2441MHz Ant1

OBW NVNT 2-DH1 2480MHz Ant1

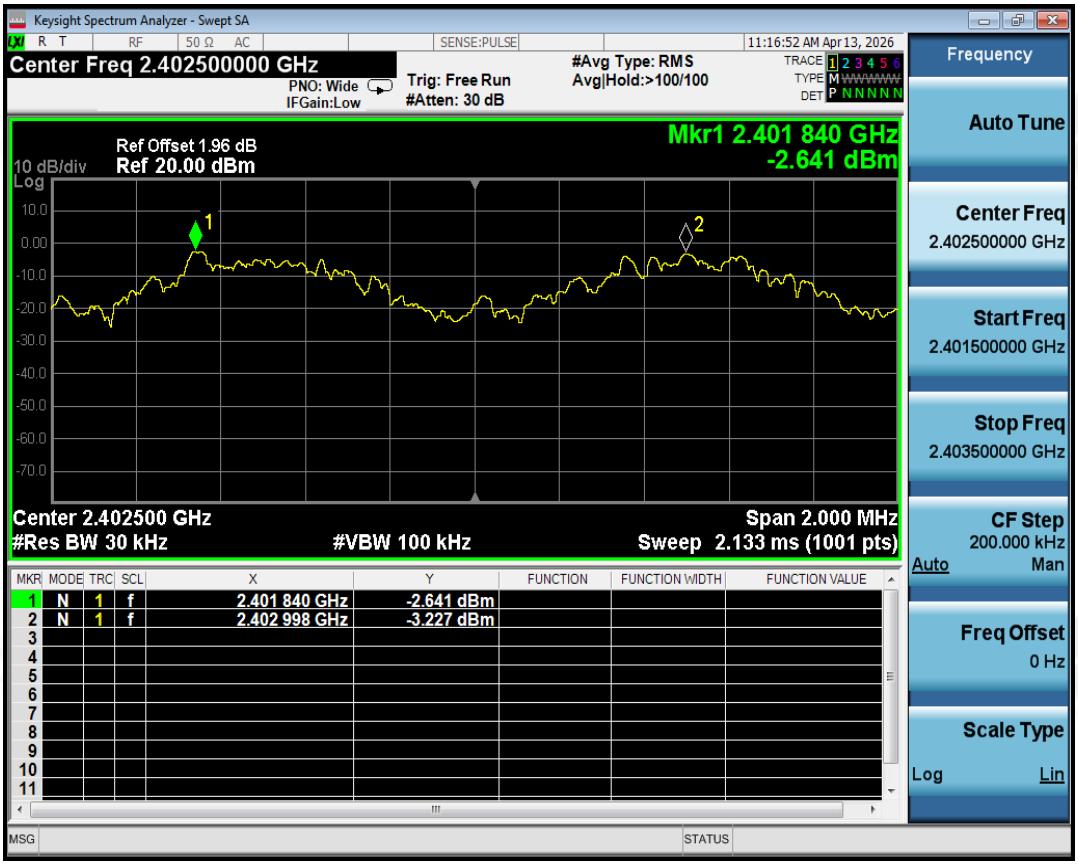
OBW NVNT 3-DH1 2402MHz Ant1

OBW NVNT 3-DH1 2441MHz Ant1

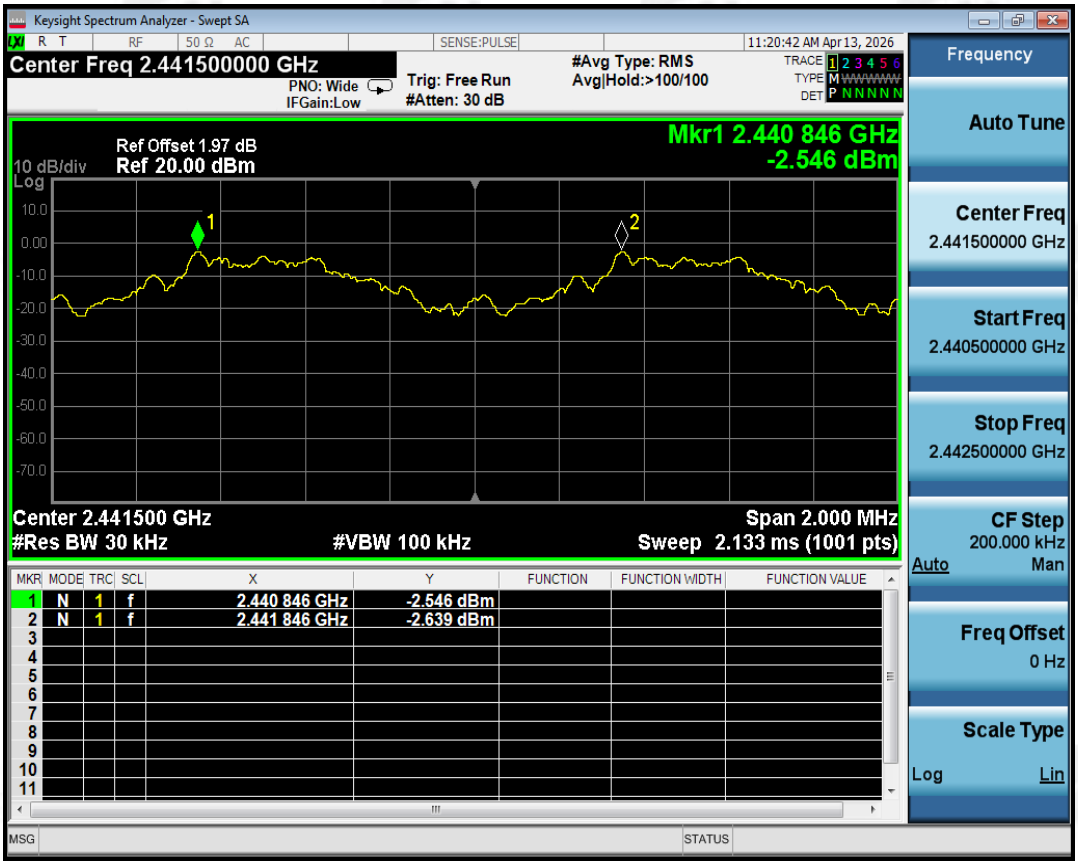
OBW NVNT 3-DH1 2480MHz Ant1

Carrier Frequencies Separation

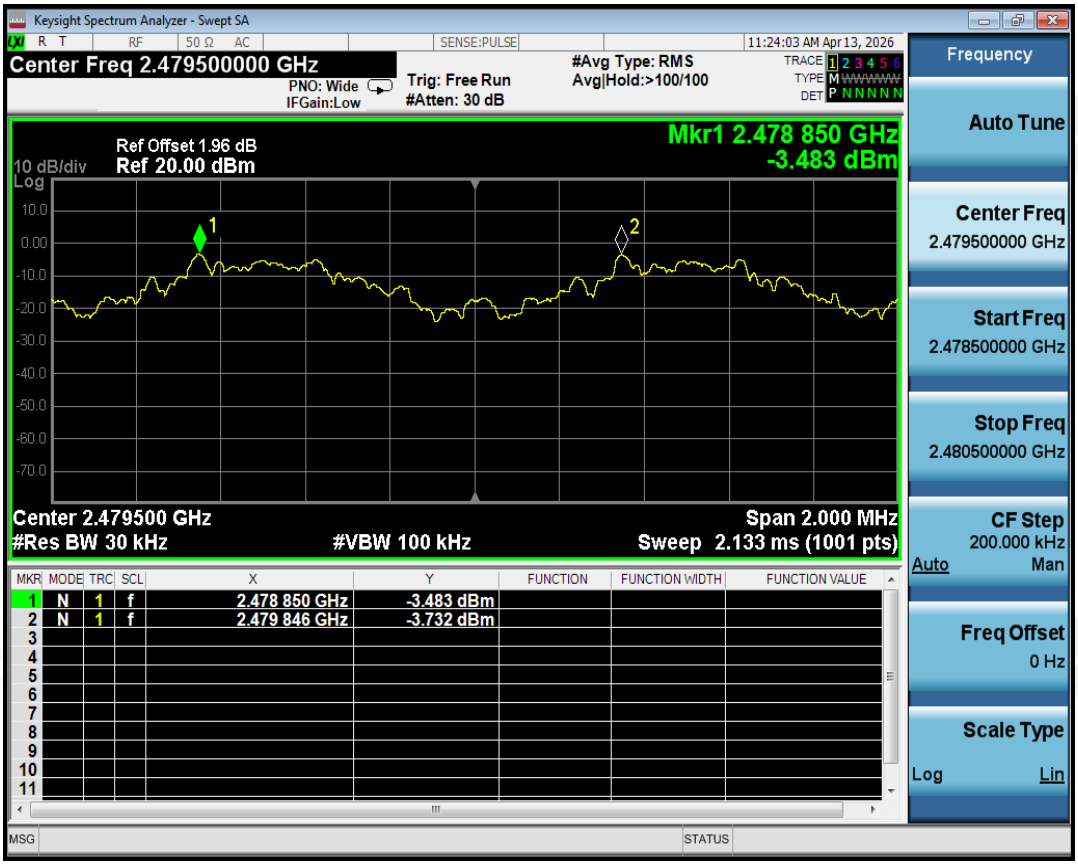
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH1	Ant1	2401.84	2402.998	1.158	0.687	Pass
NVNT	1-DH1	Ant1	2440.846	2441.846	1	0.691	Pass
NVNT	1-DH1	Ant1	2478.85	2479.846	0.996	0.69	Pass
NVNT	2-DH1	Ant1	2401.846	2402.844	0.998	0.867	Pass
NVNT	2-DH1	Ant1	2440.848	2441.844	0.996	0.859	Pass
NVNT	2-DH1	Ant1	2478.852	2479.992	1.14	0.846	Pass
NVNT	3-DH1	Ant1	2401.844	2402.846	1.002	0.833	Pass
NVNT	3-DH1	Ant1	2440.848	2441.844	0.996	0.852	Pass
NVNT	3-DH1	Ant1	2478.85	2479.846	0.996	0.841	Pass



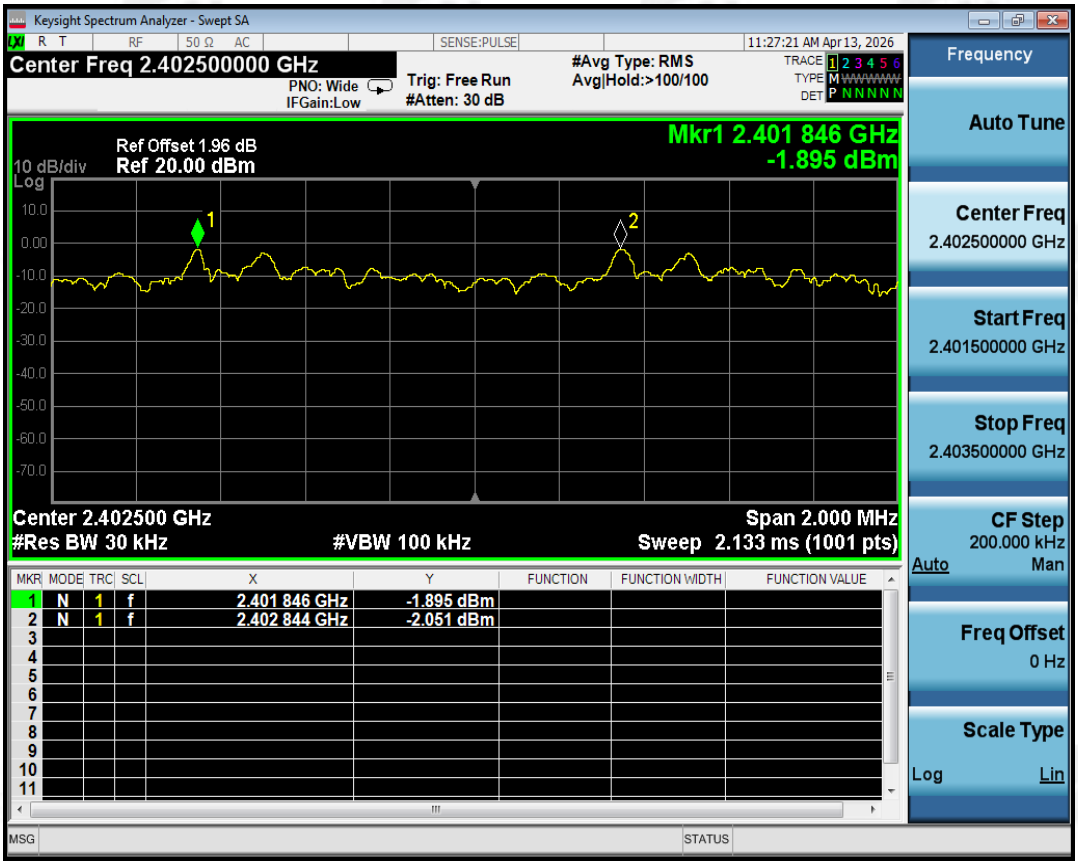
CFS NVNT 1-DH1 2402MHz Ant1



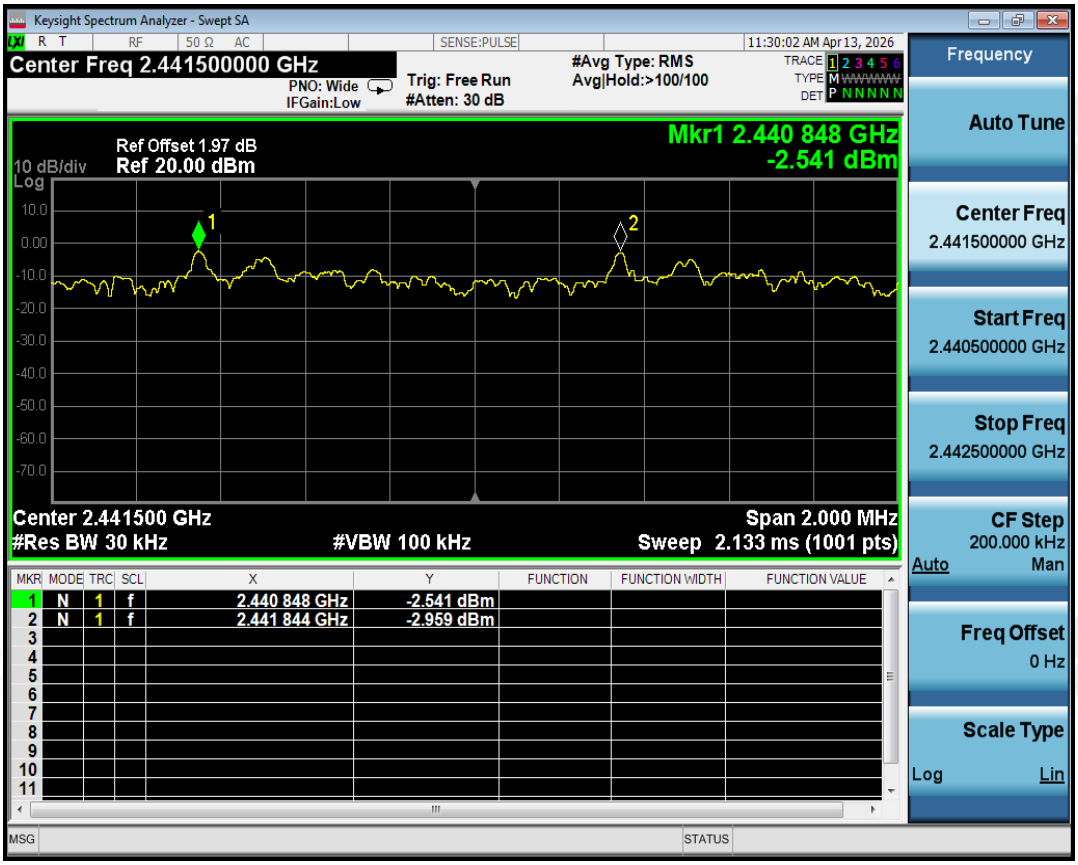
CFS NVNT 1-DH1 2441MHz Ant1



CFS NVNT 1-DH1 2480MHz Ant1



CFS NVNT 2-DH1 2402MHz Ant1



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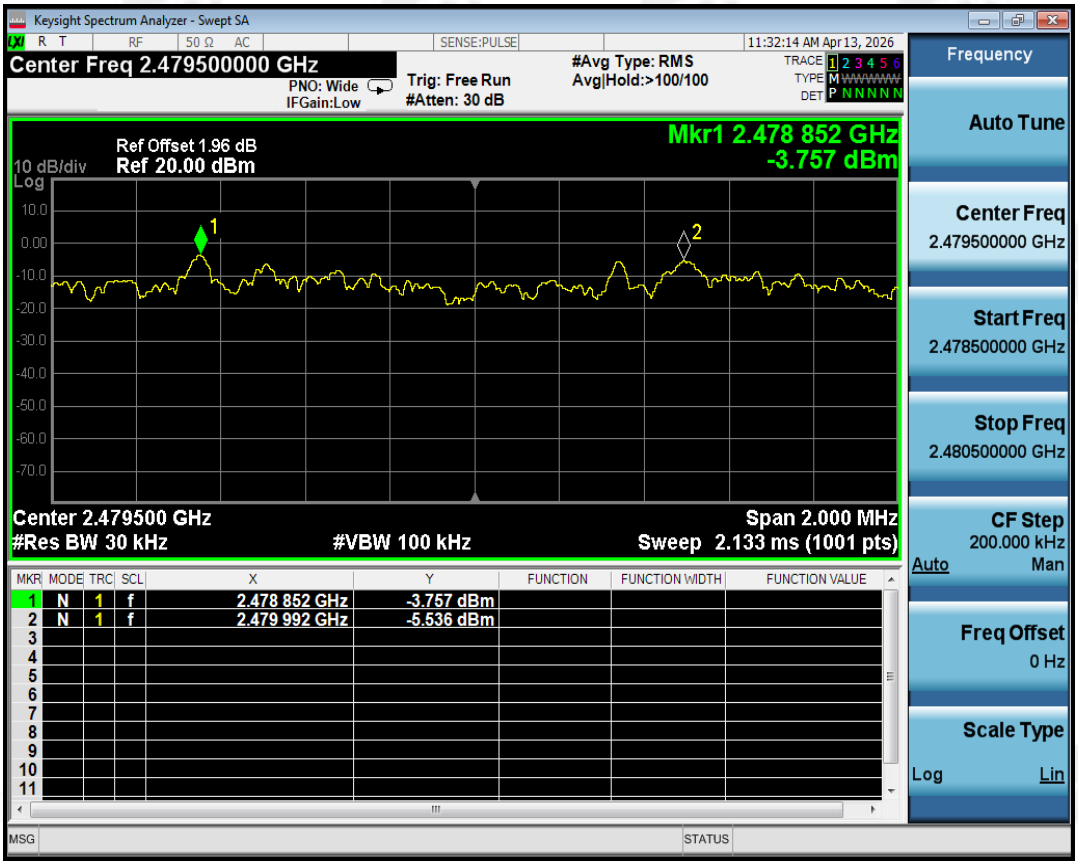

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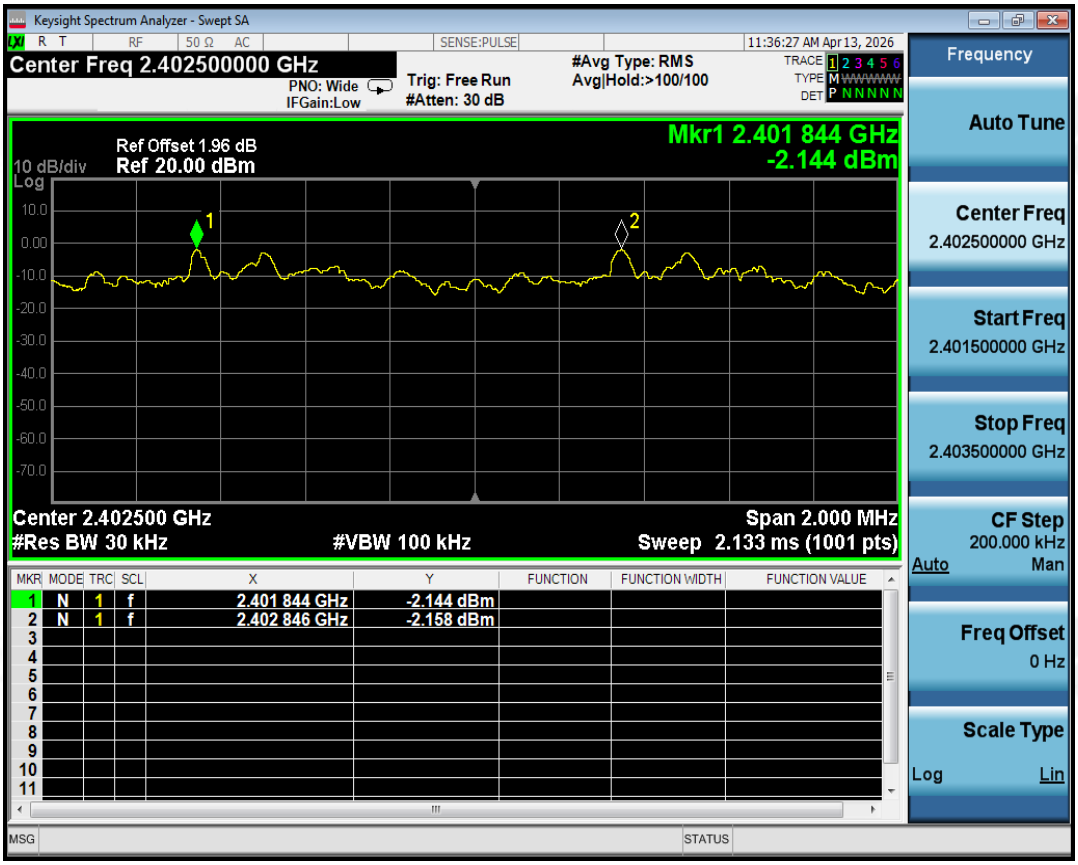
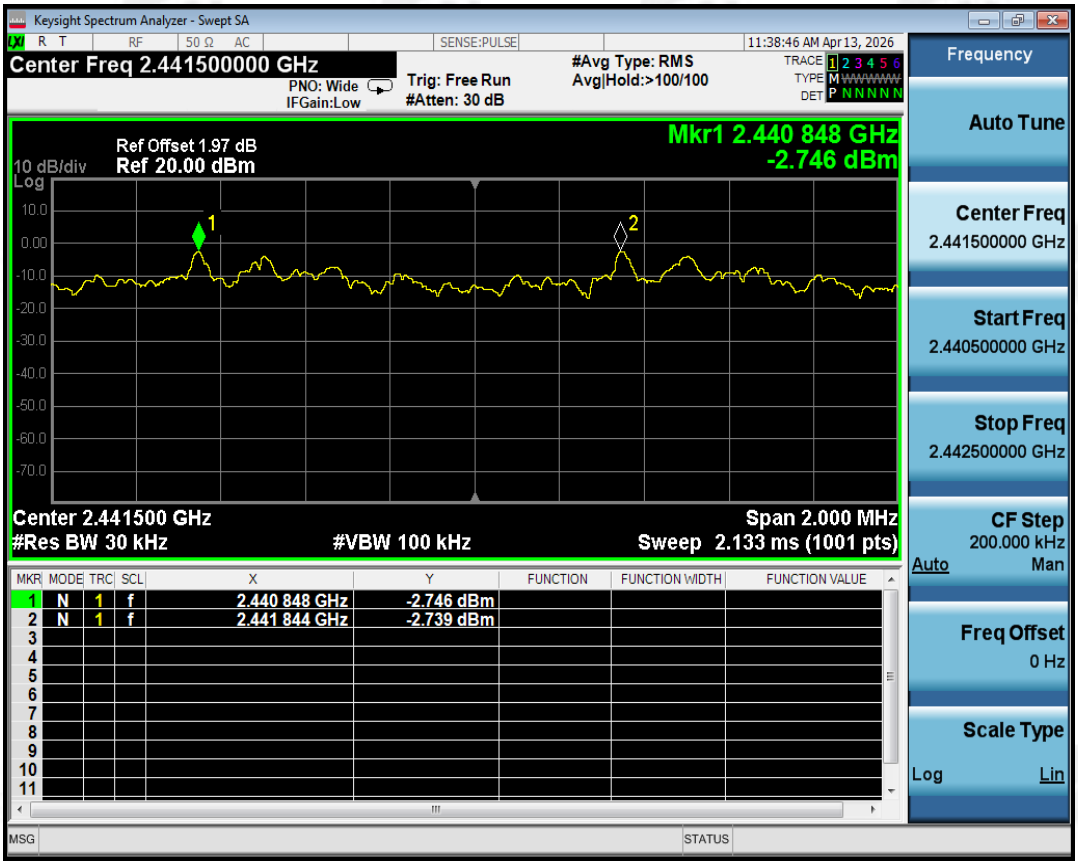
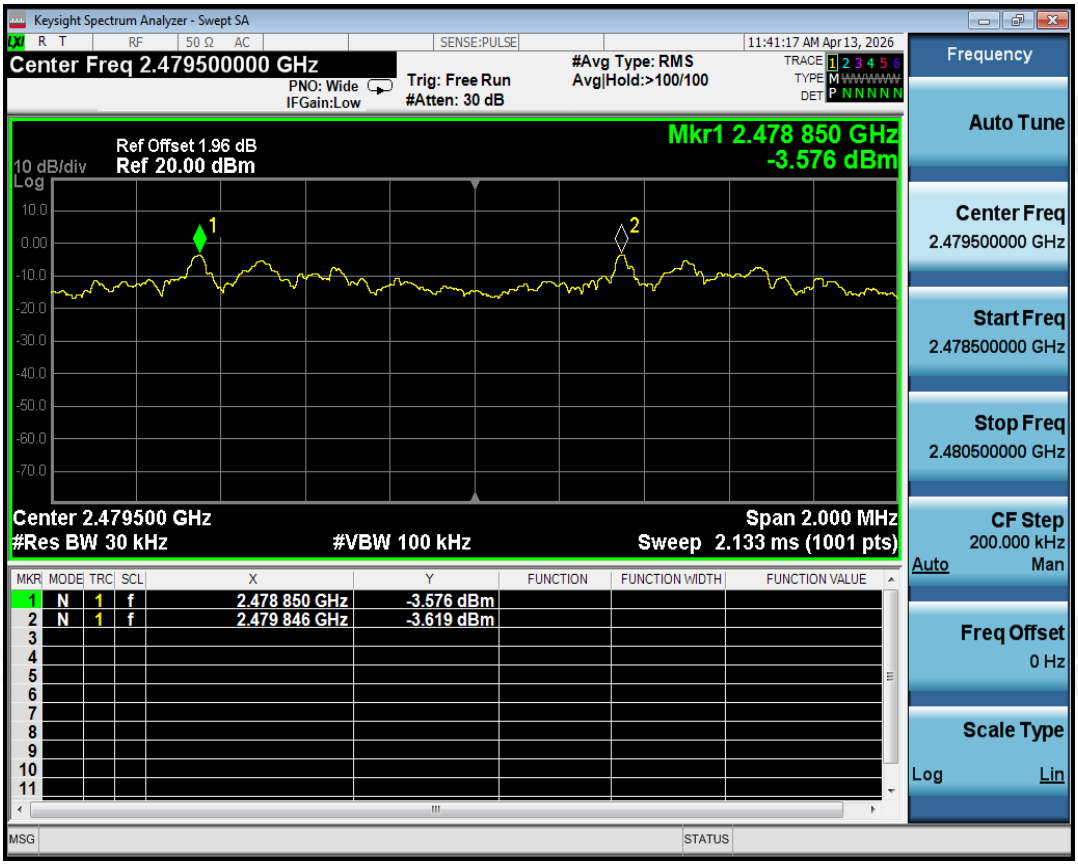


CFS NVNT 3-DH1 2402MHz Ant1



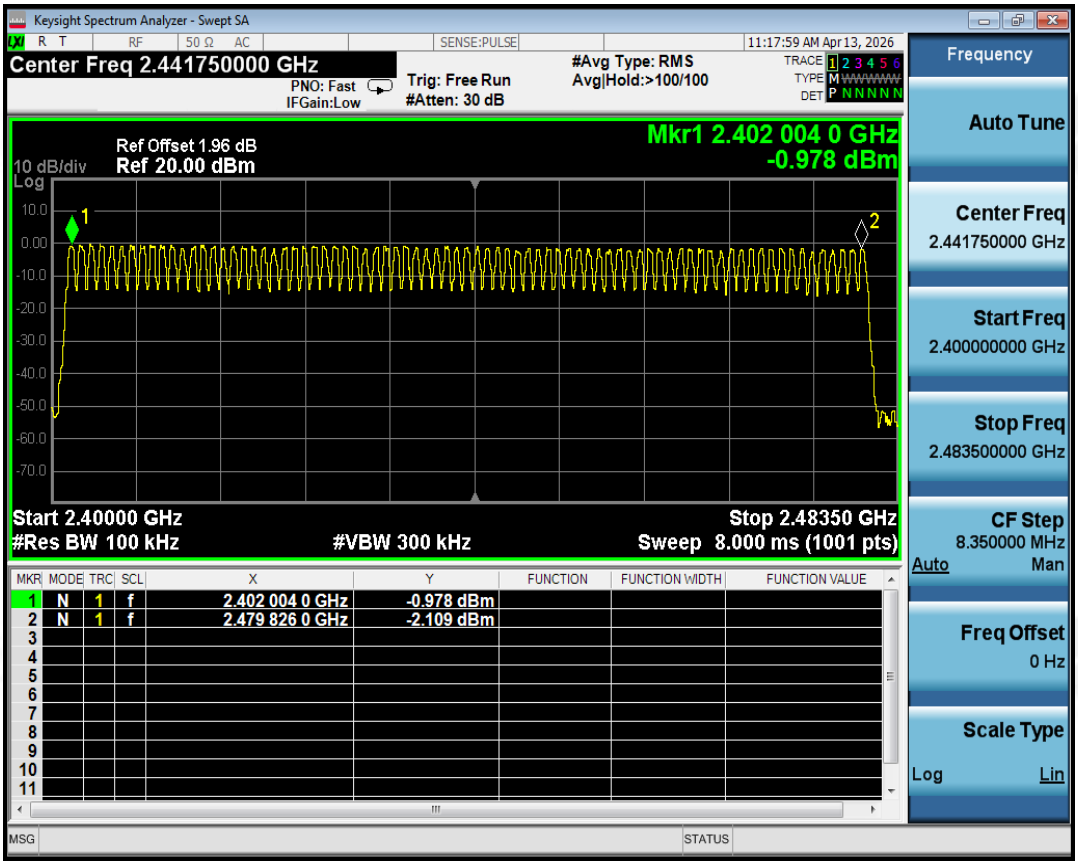
CFS NVNT 3-DH1 2441MHz Ant1



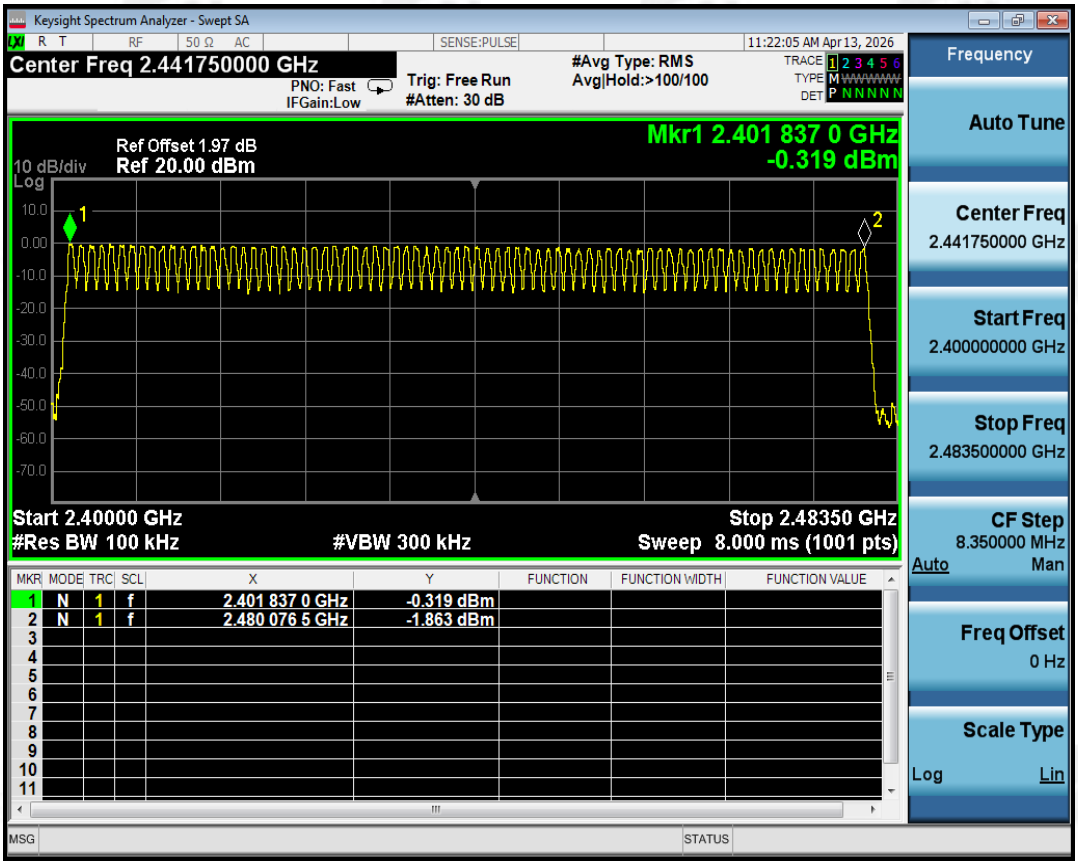
CFS NVNT 3-DH1 2480MHz Ant1

Number of Hopping Channel

Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH1	Ant1	79	15	Pass
NVNT	1-DH1	Ant1	79	15	Pass
NVNT	1-DH1	Ant1	79	15	Pass
NVNT	2-DH1	Ant1	79	15	Pass
NVNT	2-DH1	Ant1	79	15	Pass
NVNT	2-DH1	Ant1	79	15	Pass
NVNT	3-DH1	Ant1	79	15	Pass
NVNT	3-DH1	Ant1	79	15	Pass
NVNT	3-DH1	Ant1	79	15	Pass



Hopping No. NVNT 1-DH1 2402MHz Ant1



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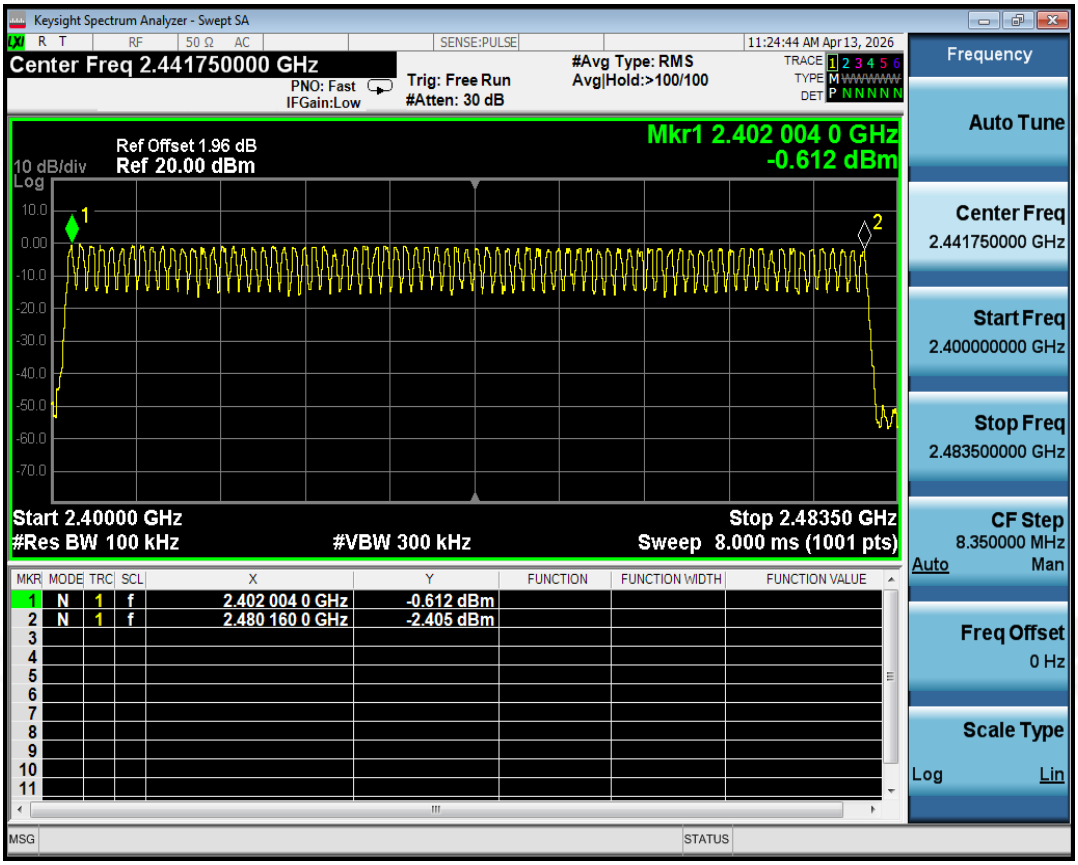
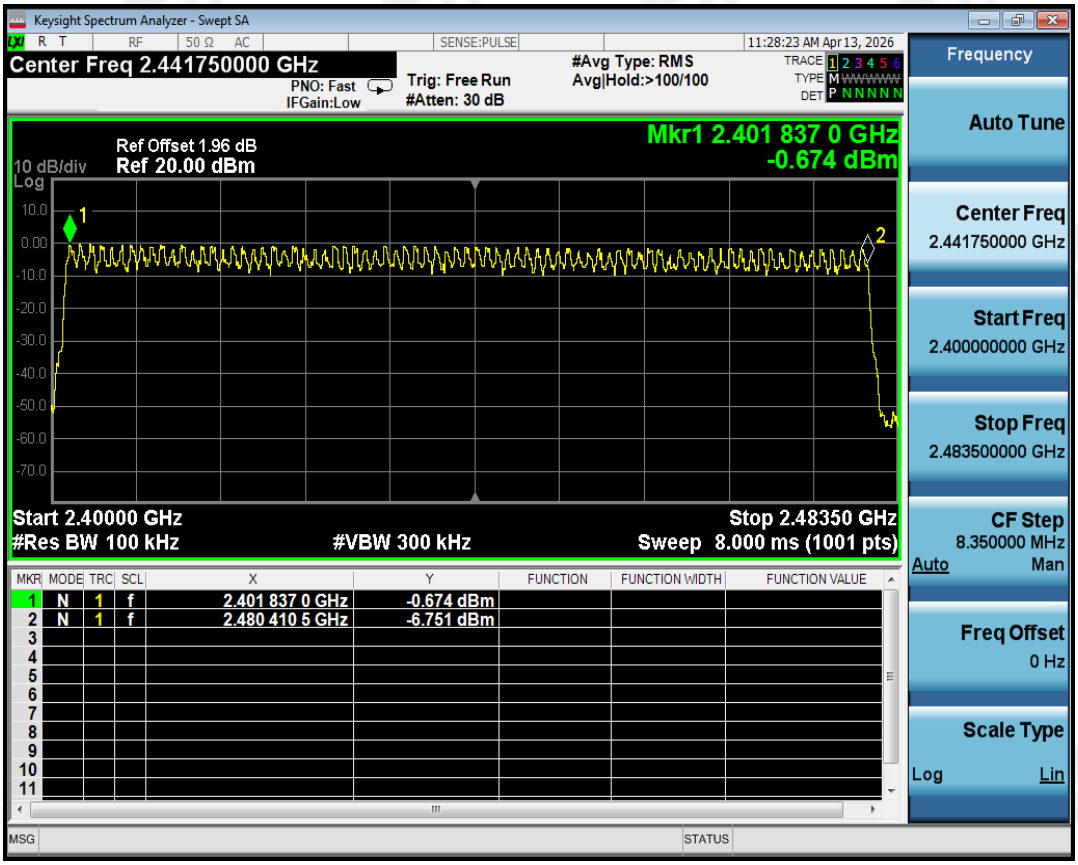
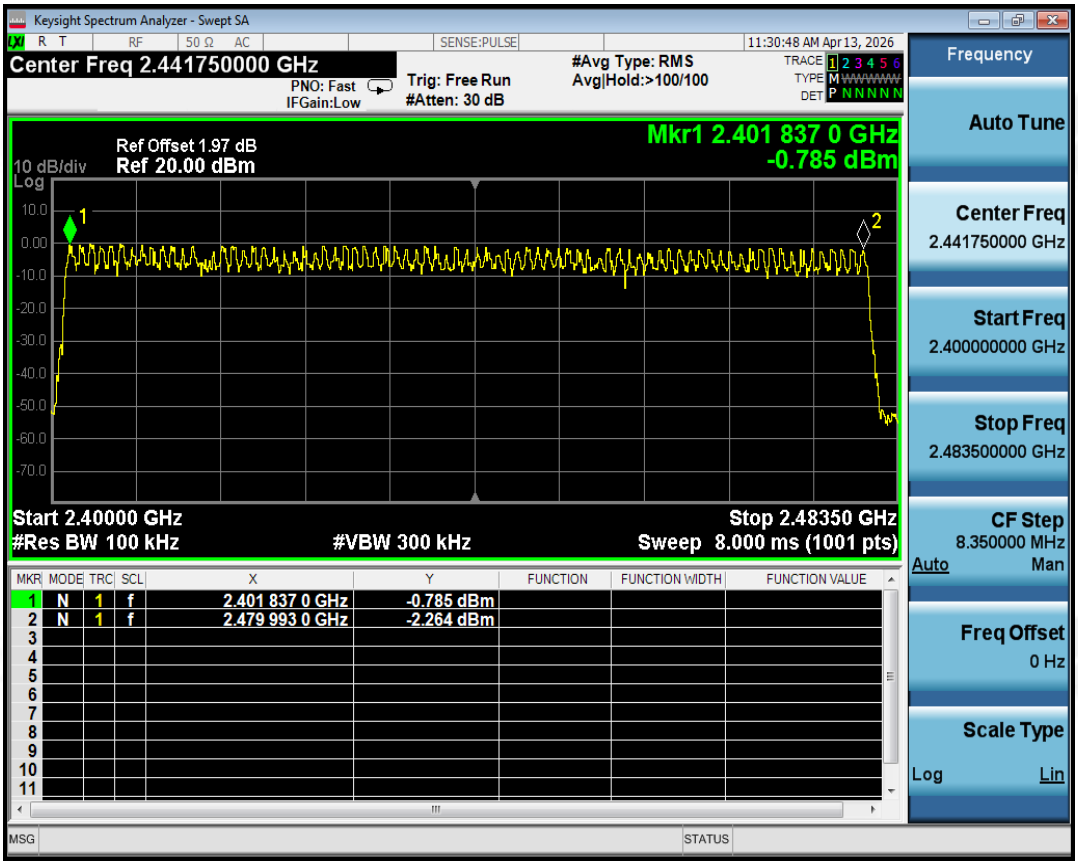


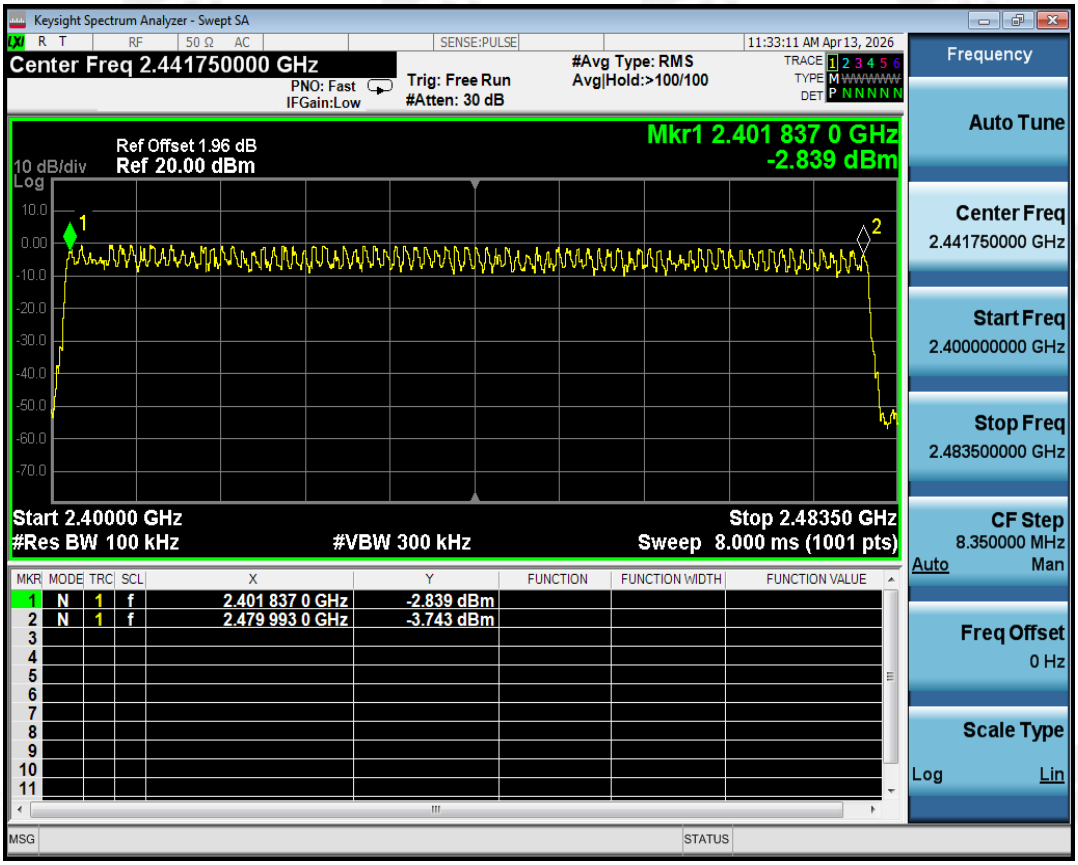
Hopping No. NVNT 1-DH1 2480MHz Ant1



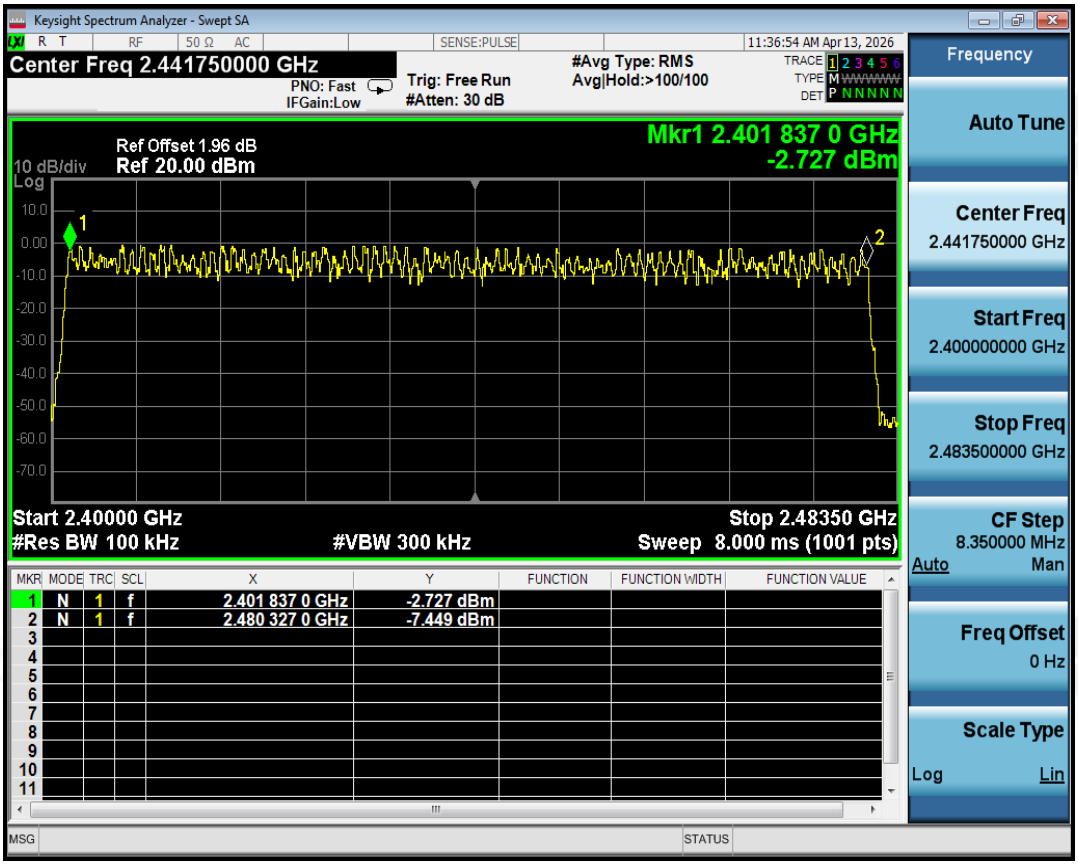
Hopping No. NVNT 2-DH1 2402MHz Ant1



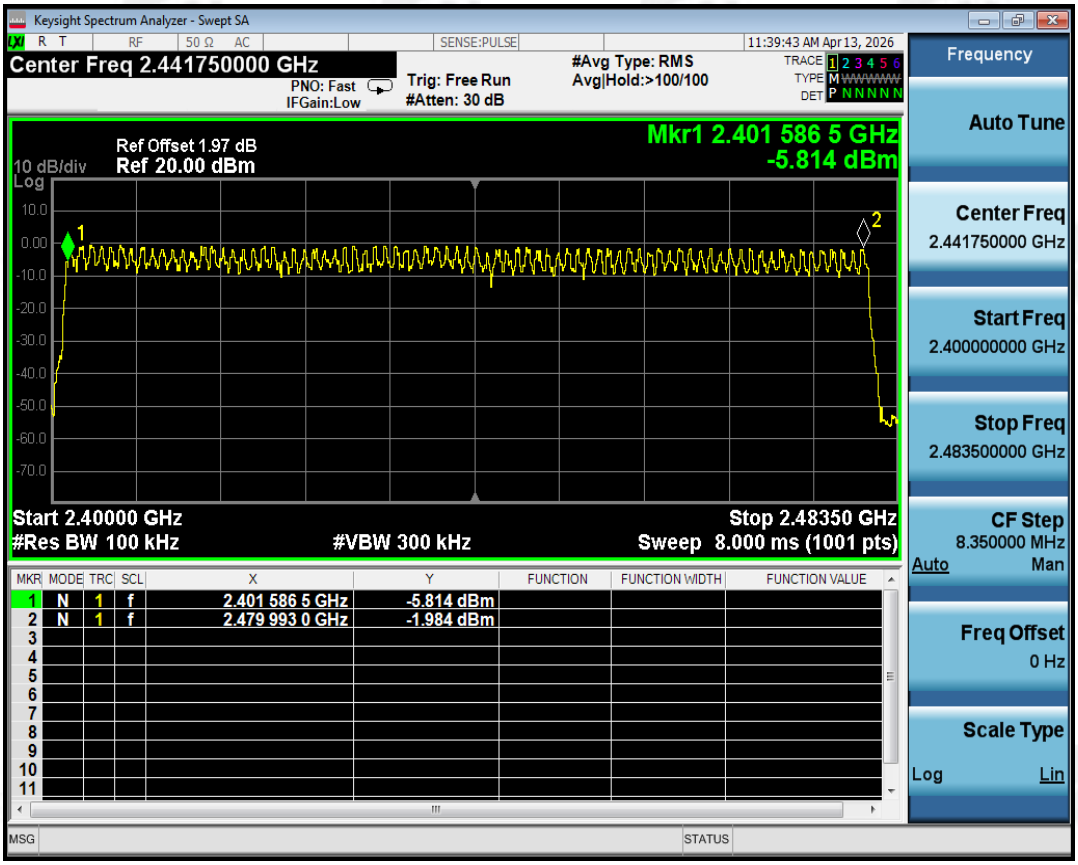
Hopping No. NVNT 2-DH1 2441MHz Ant1



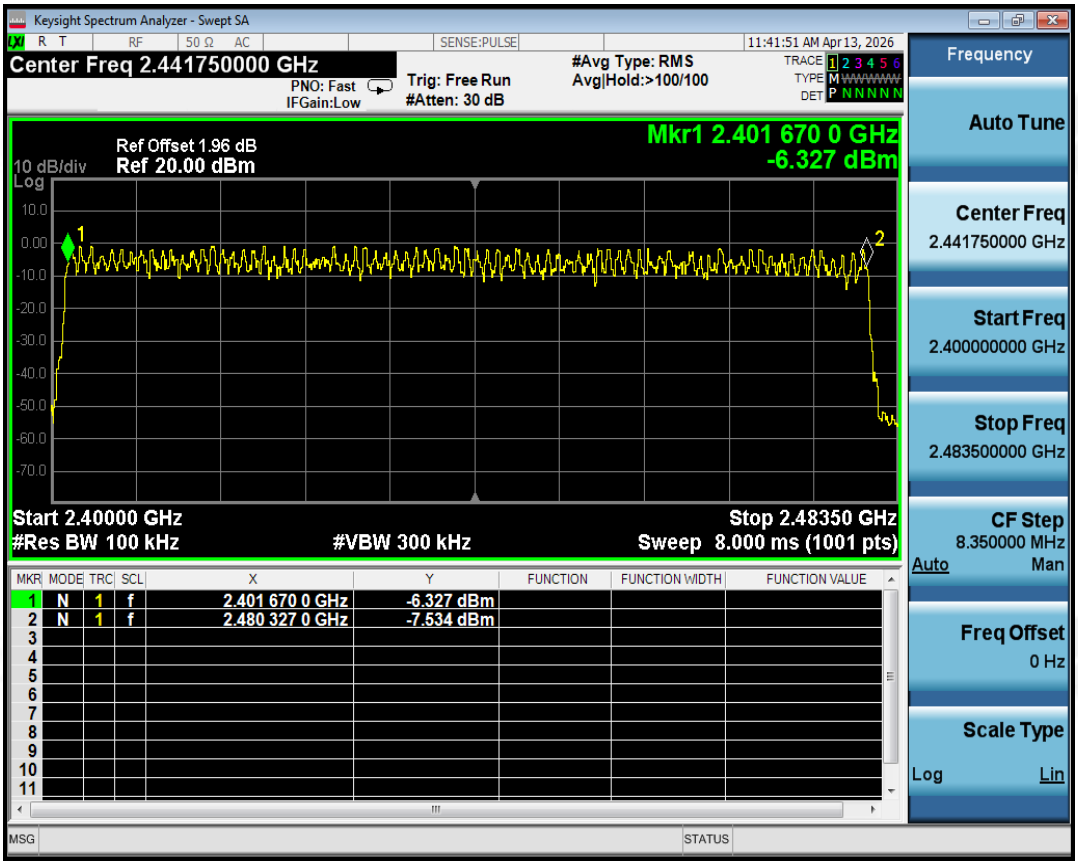
Hopping No. NVNT 2-DH1 2480MHz Ant1



Hopping No. NVNT 3-DH1 2402MHz Ant1



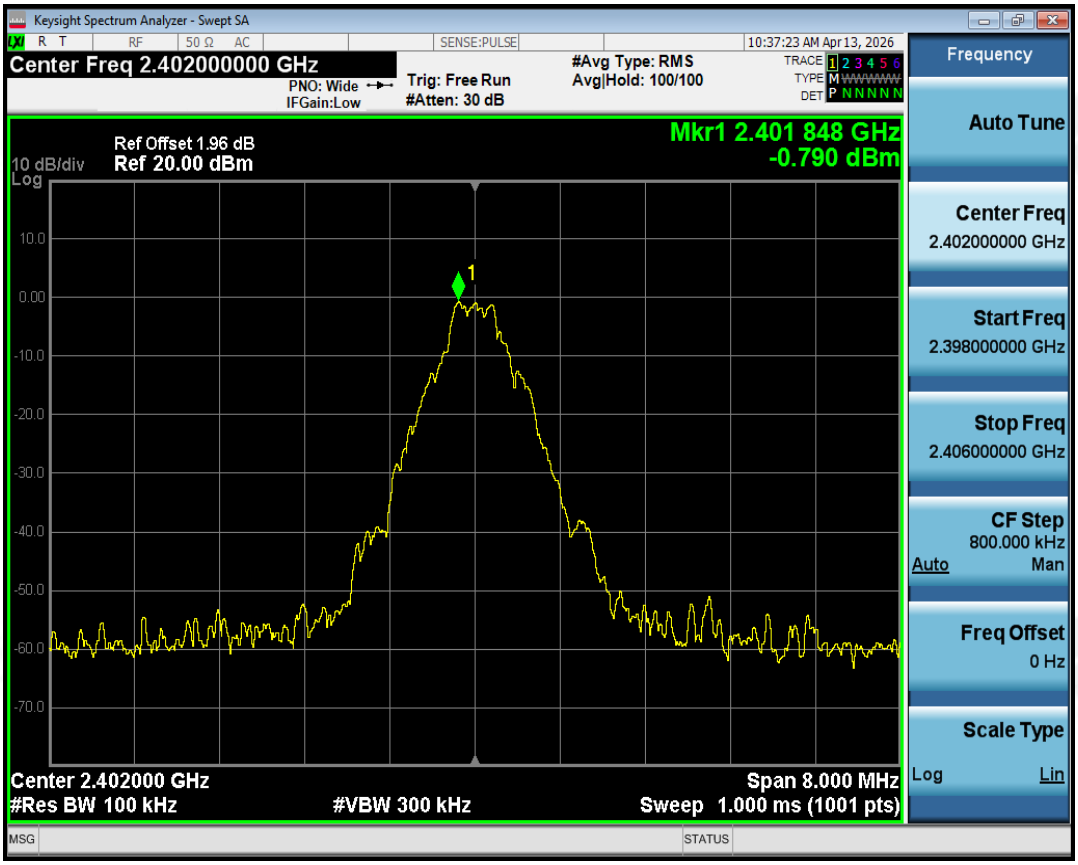
Hopping No. NVNT 3-DH1 2441MHz Ant1



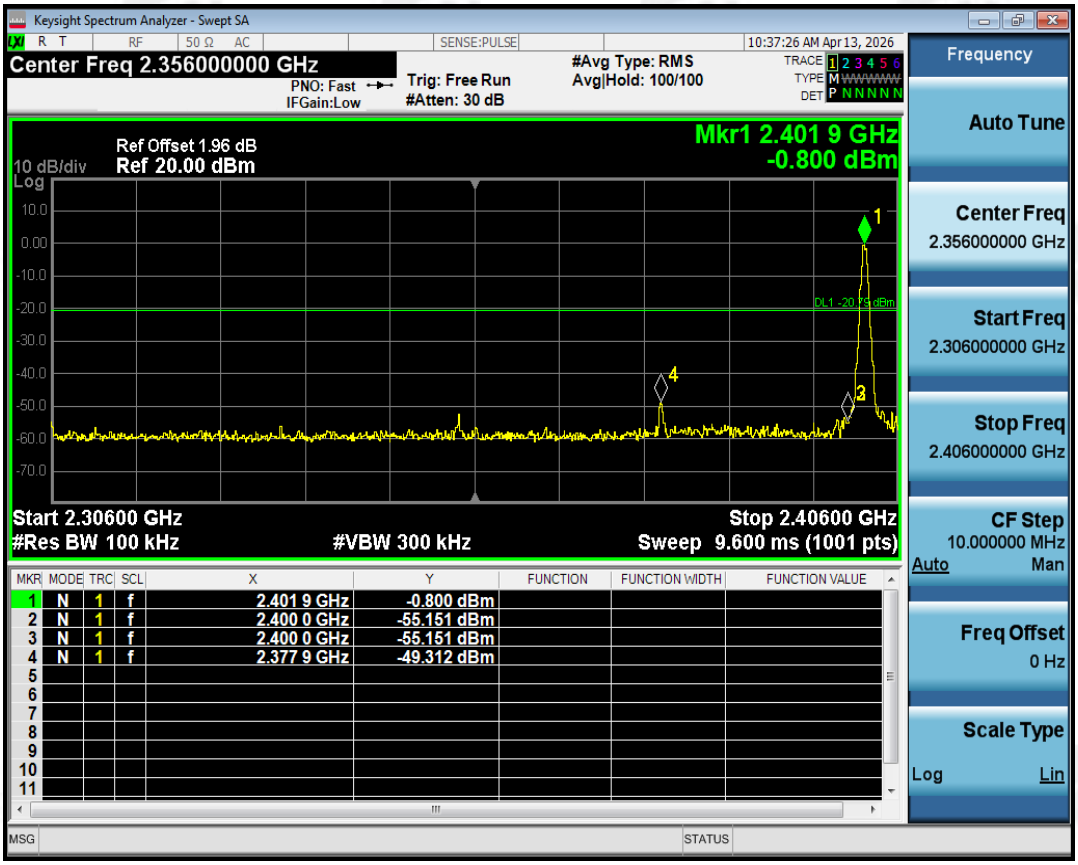
Hopping No. NVNT 3-DH1 2480MHz Ant1

Band Edge

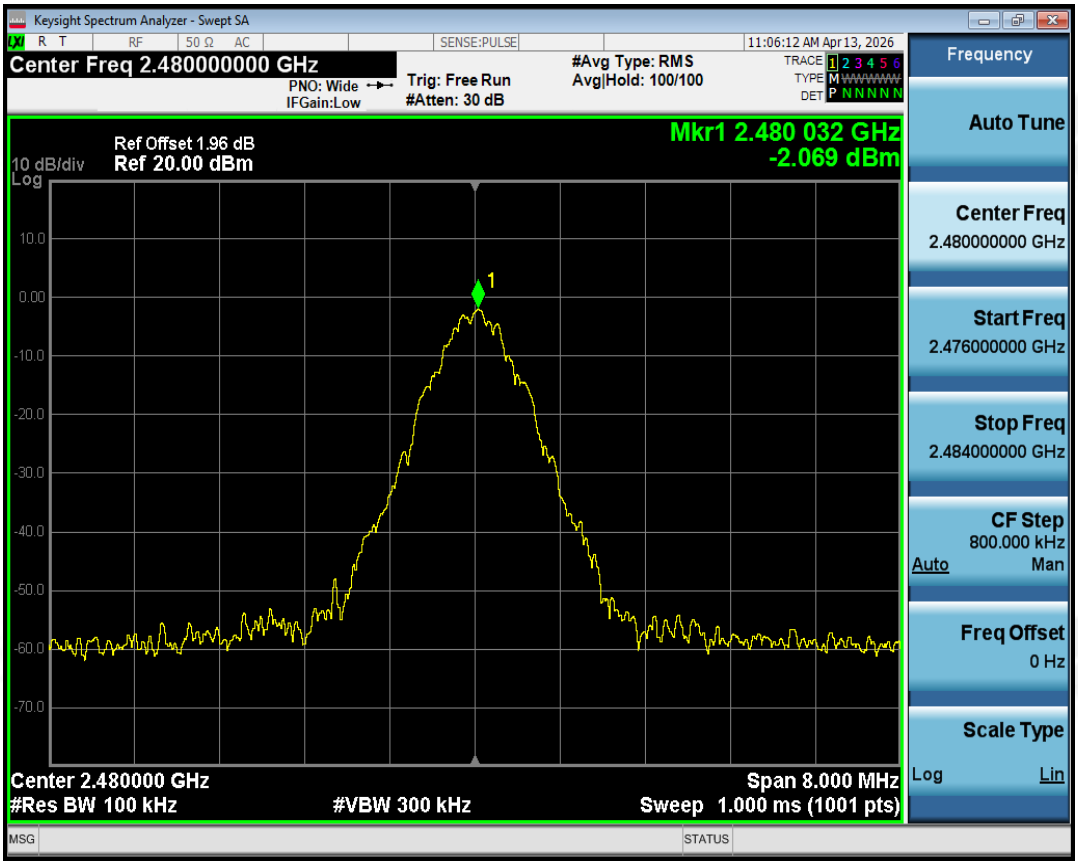
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-48.52	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-53.05	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-48.07	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-52.33	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-48.51	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-52.48	-20	Pass



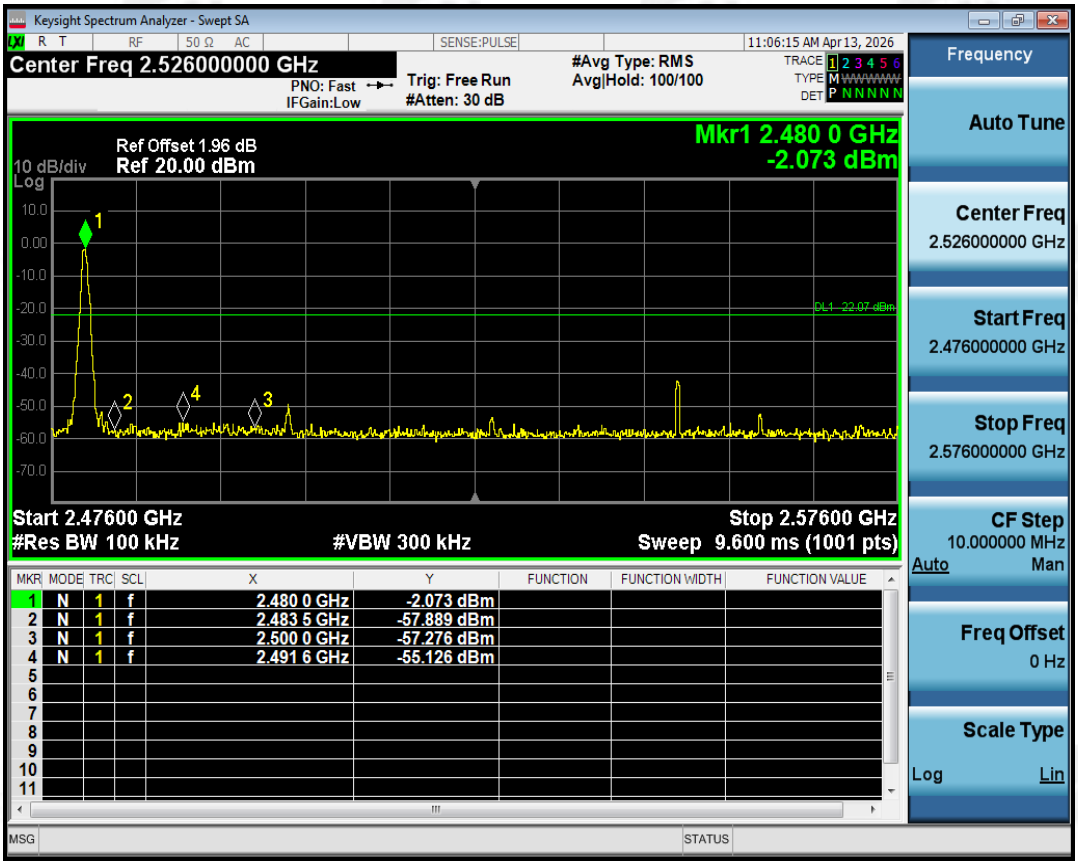
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref



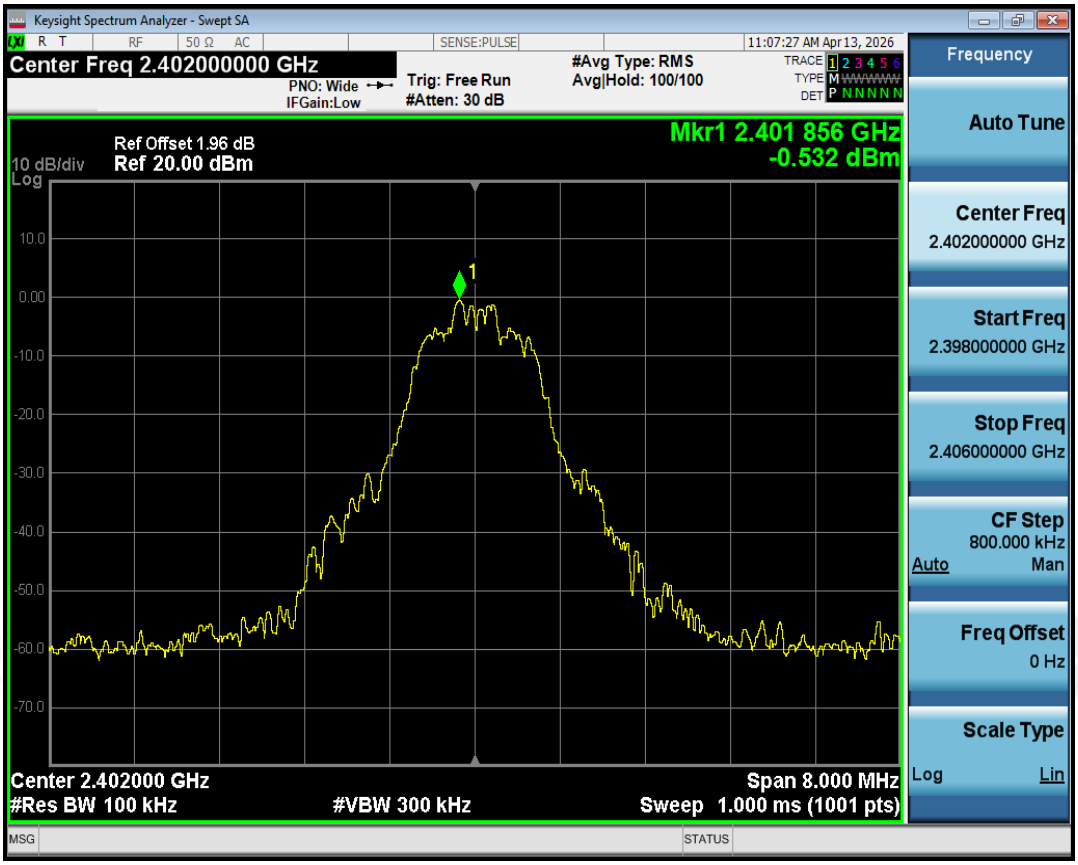
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



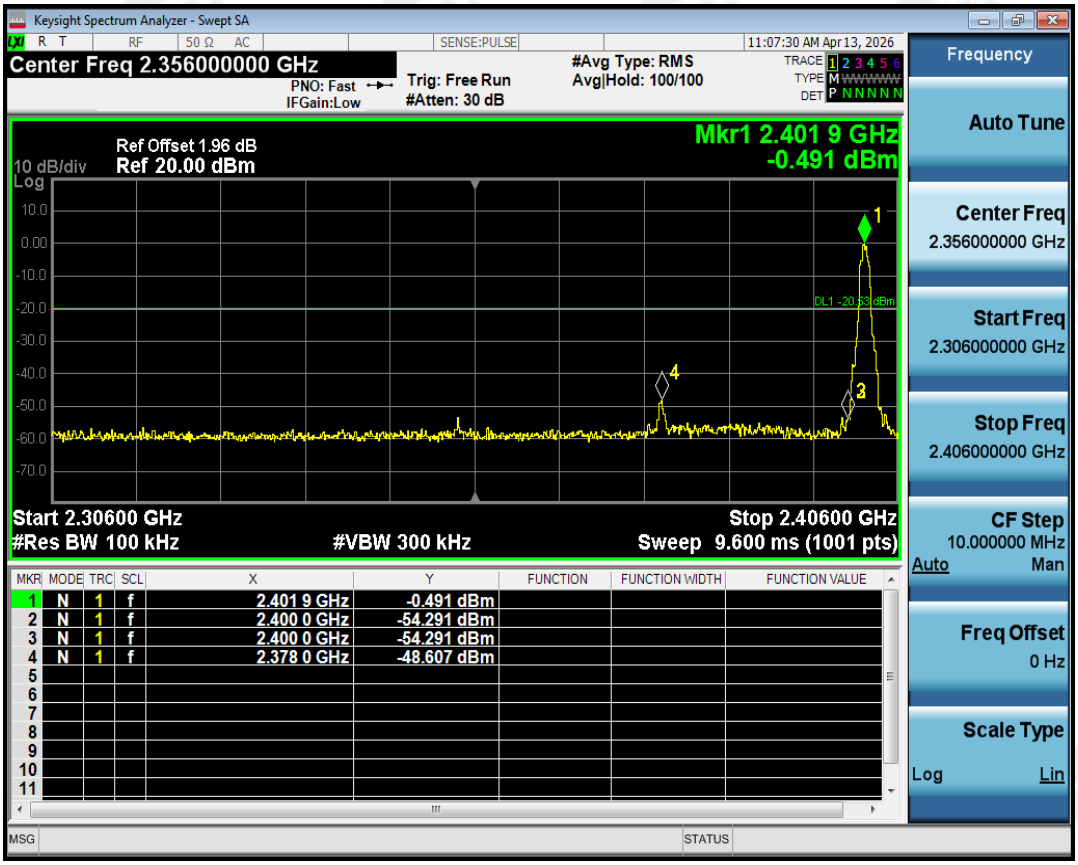
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission

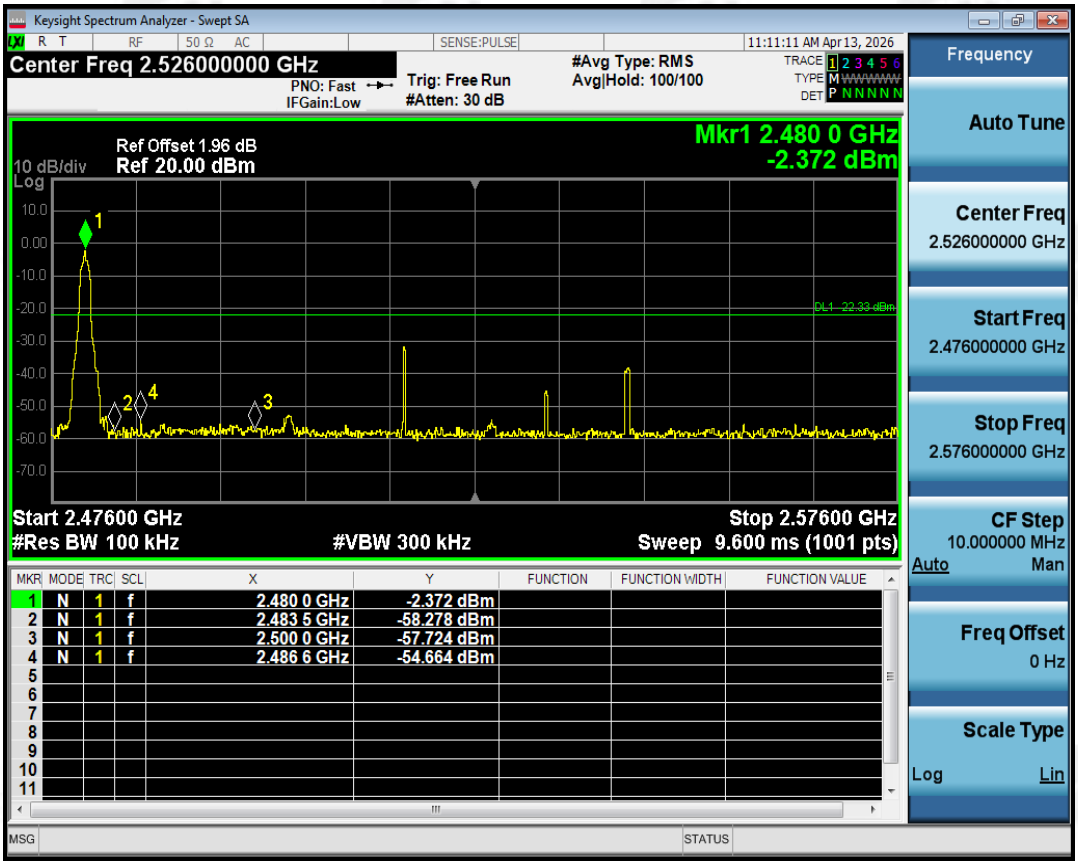


Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Ref

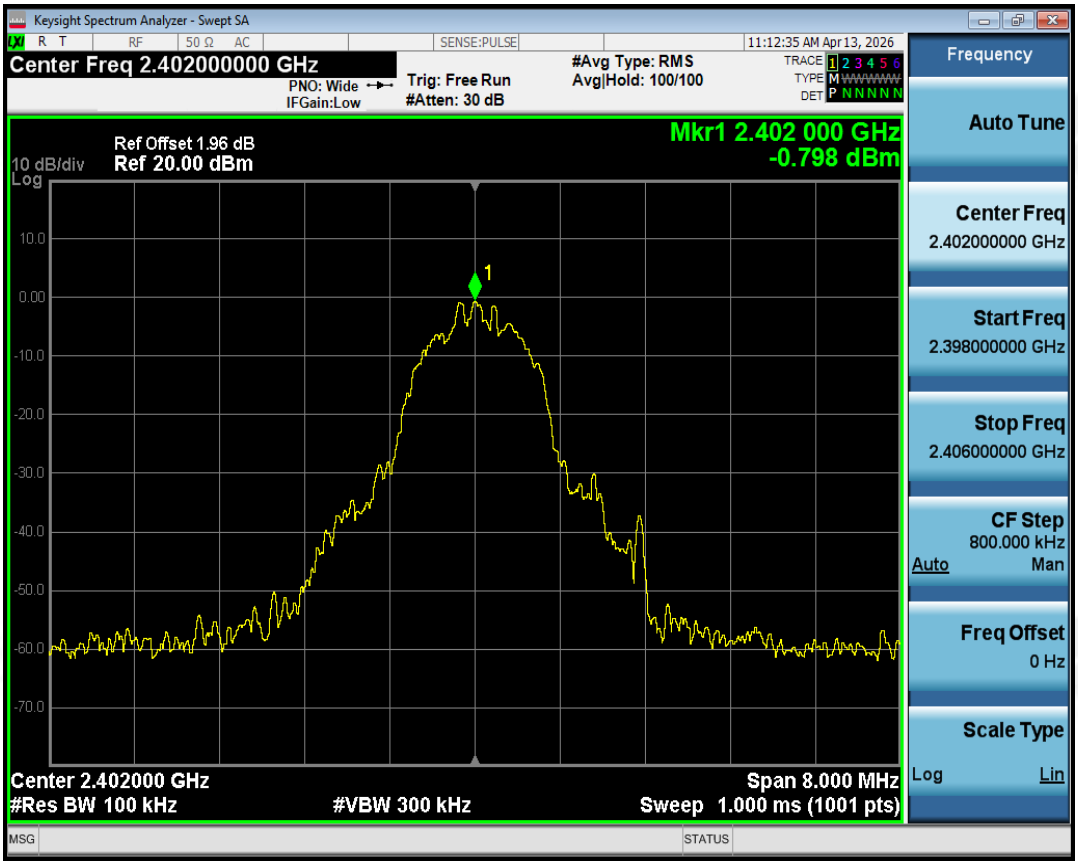


Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission

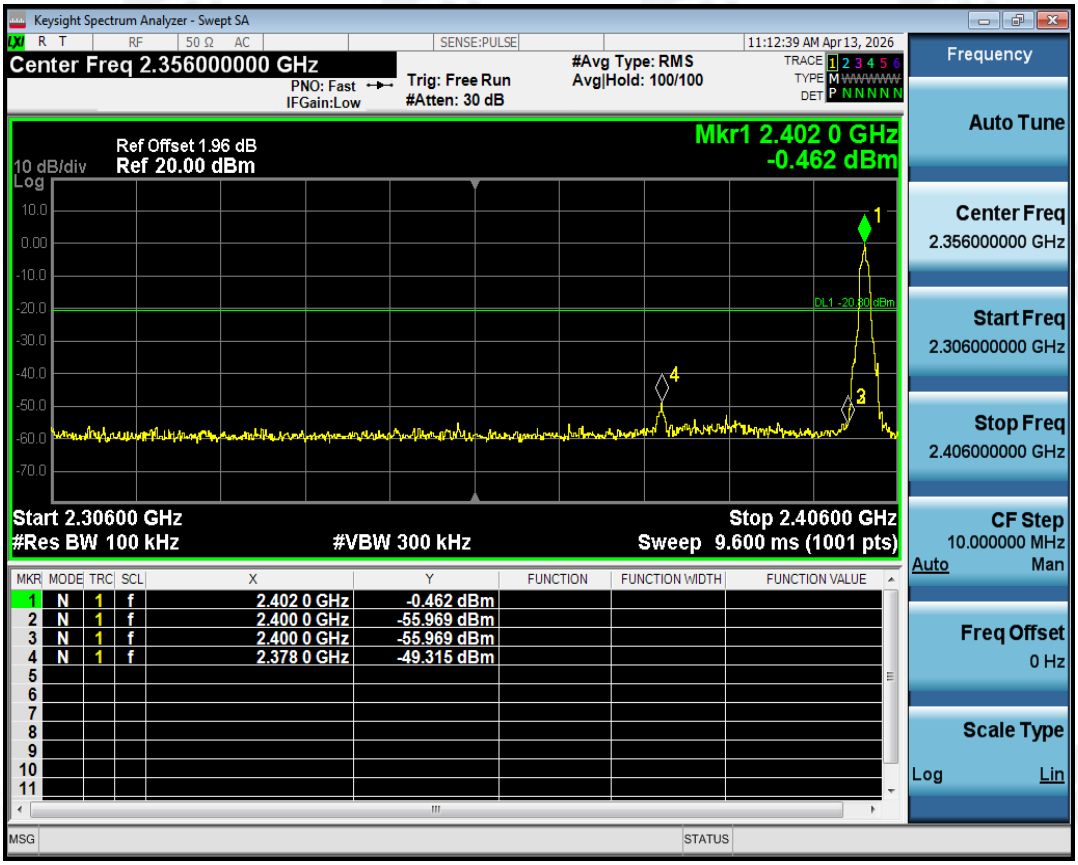
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission

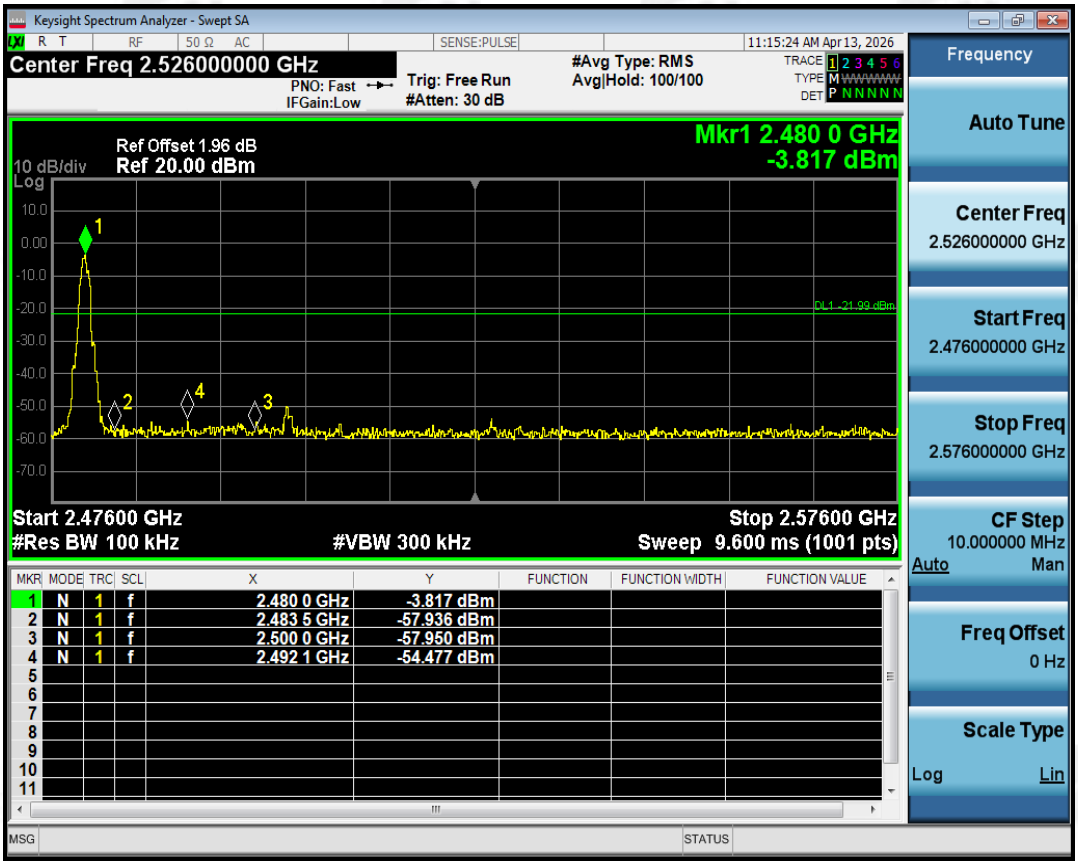


Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Ref



Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Emission

Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Ref

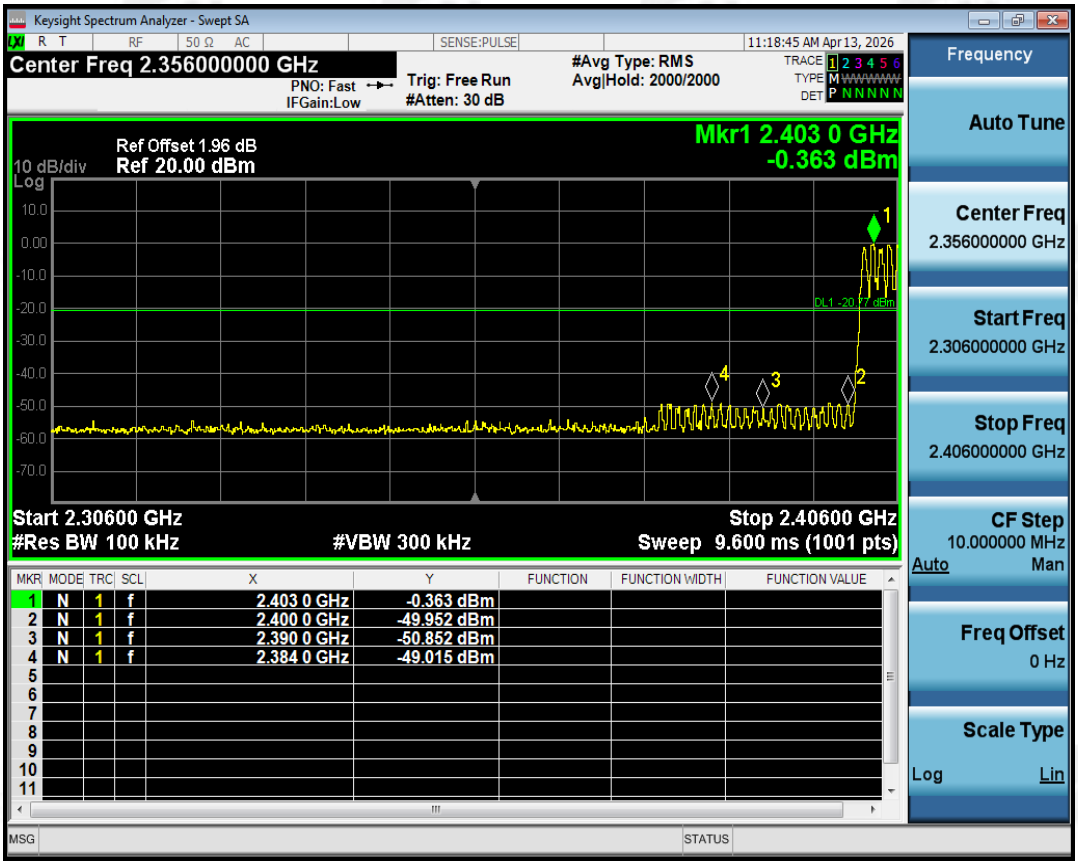


Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Emission

Band Edge(Hopping)

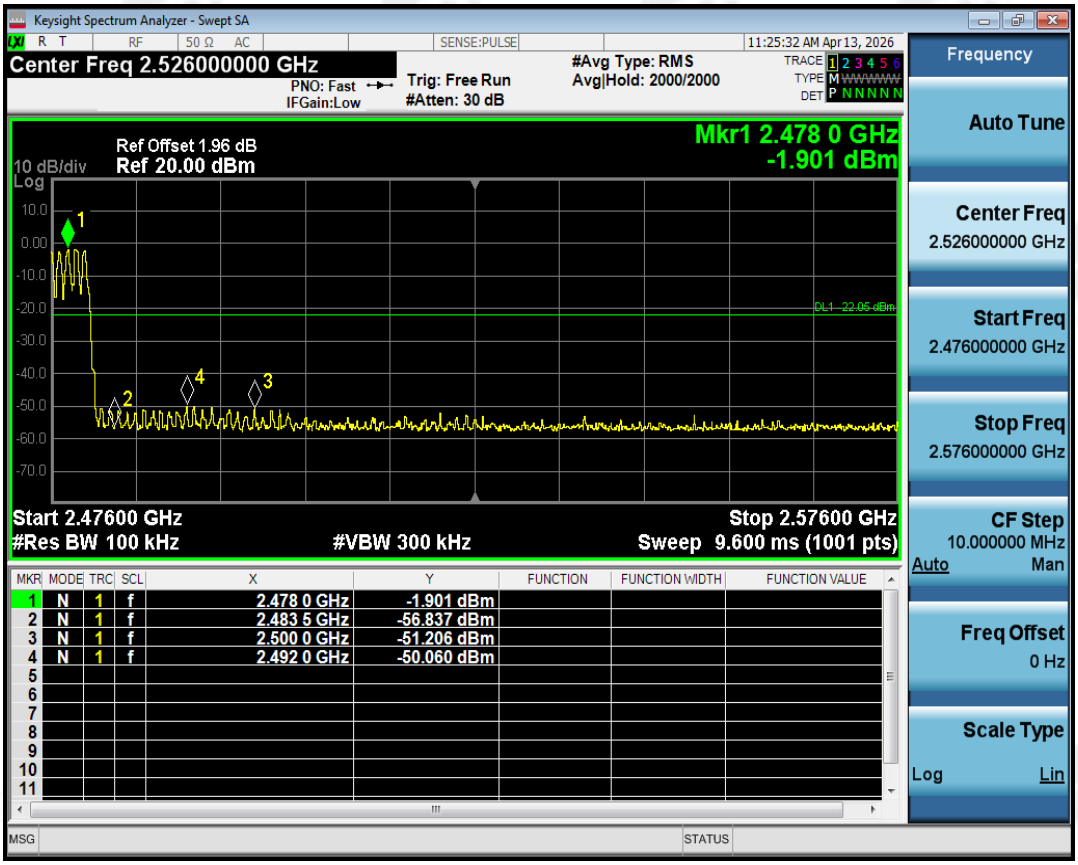
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-48.24	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-48.01	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-48.64	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-48.68	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-48.73	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-49.15	-20	Pass

Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Ref



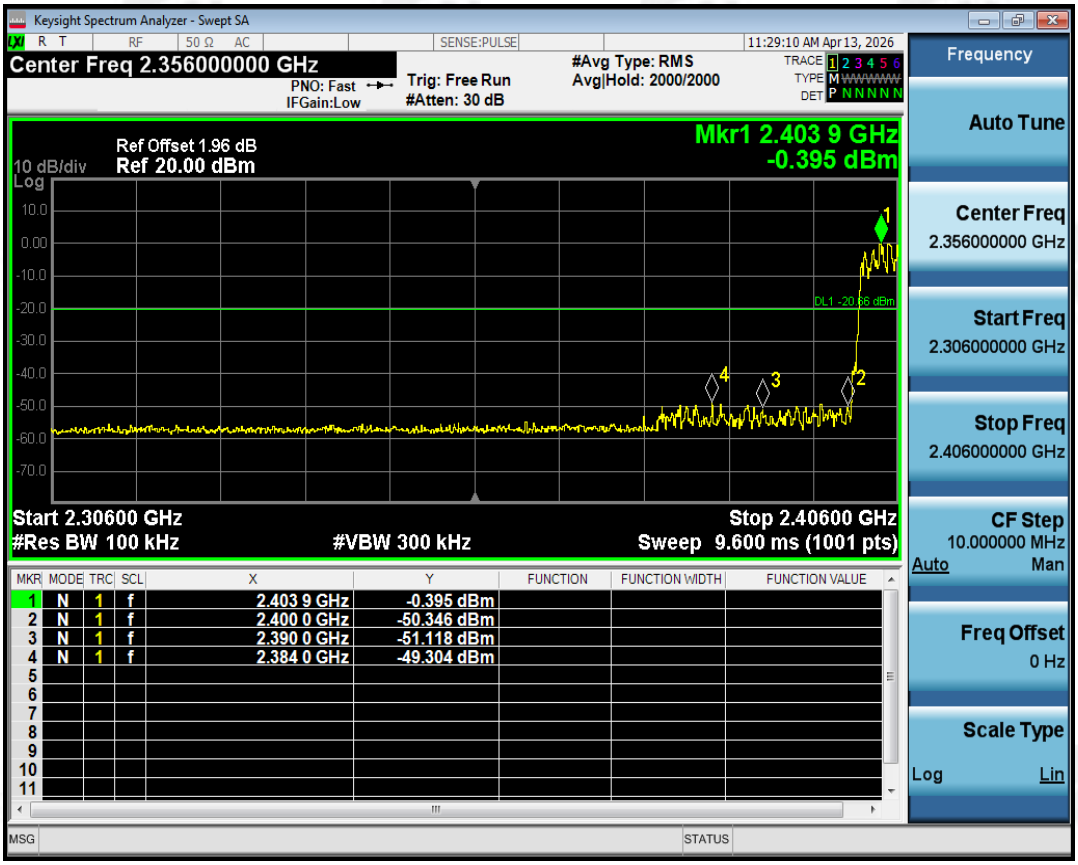
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission

Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Ref



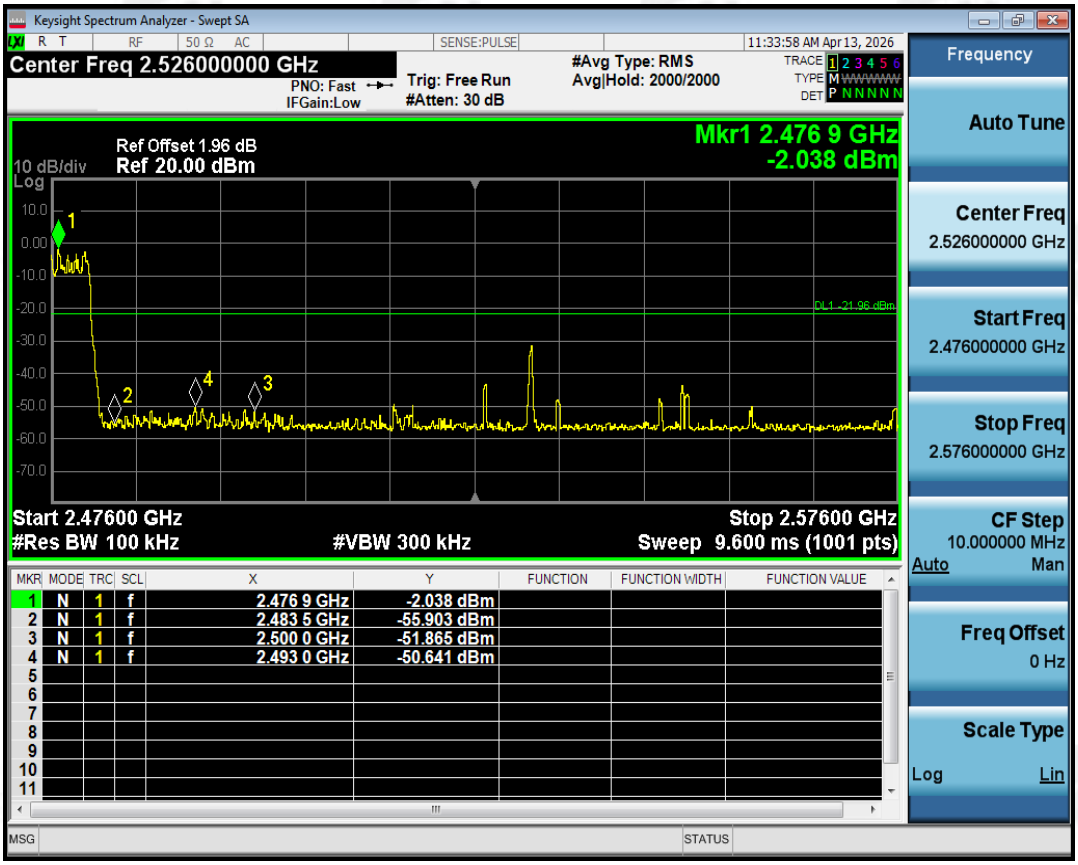
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission

Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Ref



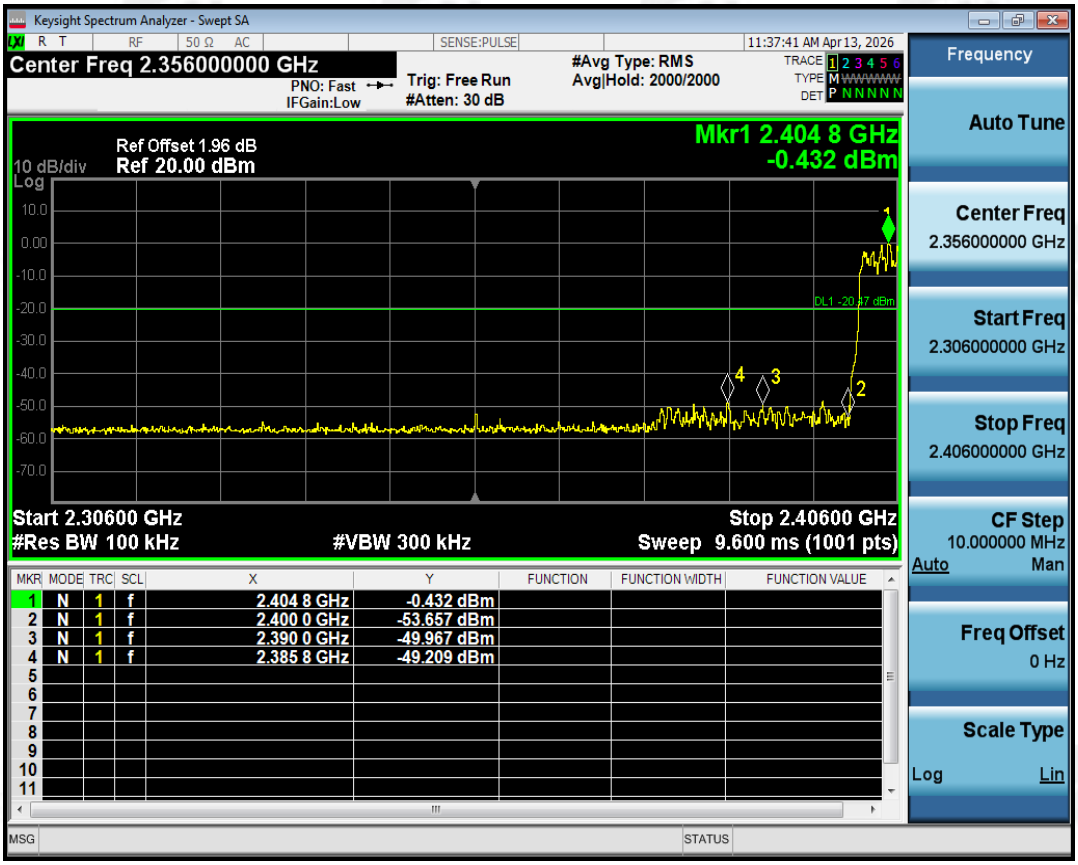
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Emission

Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Ref



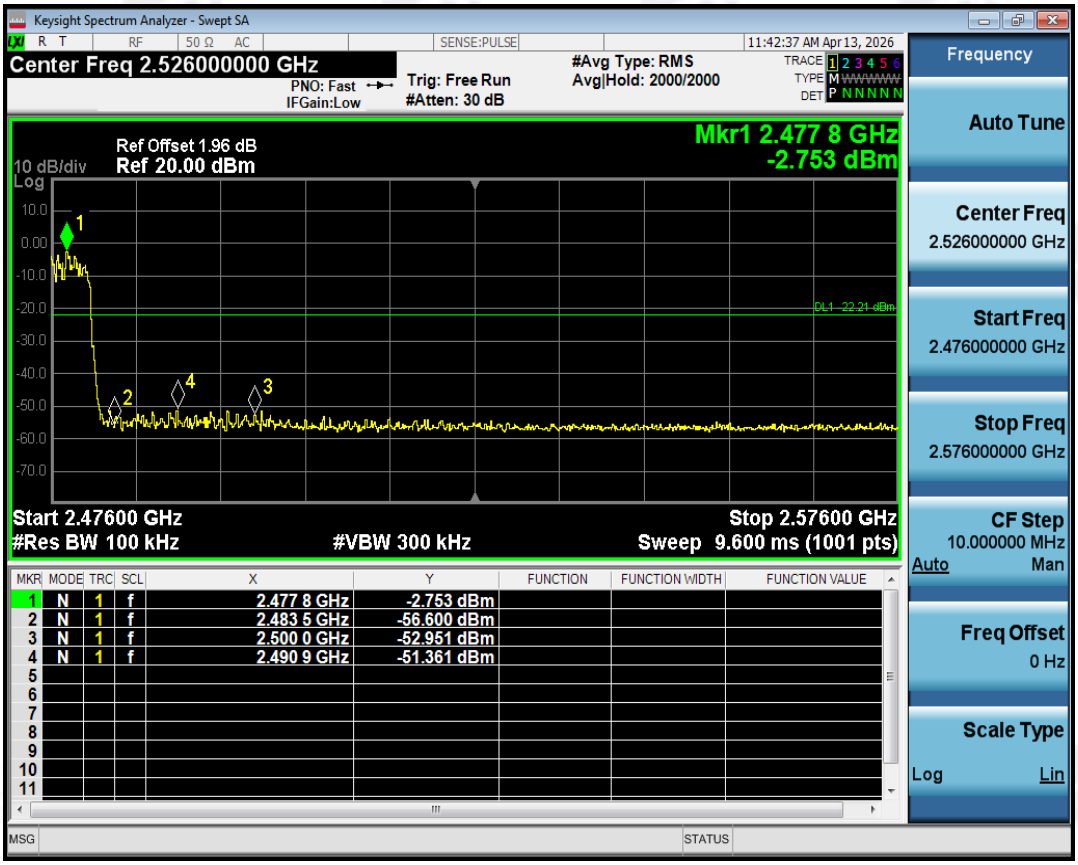
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Emission

Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Emission

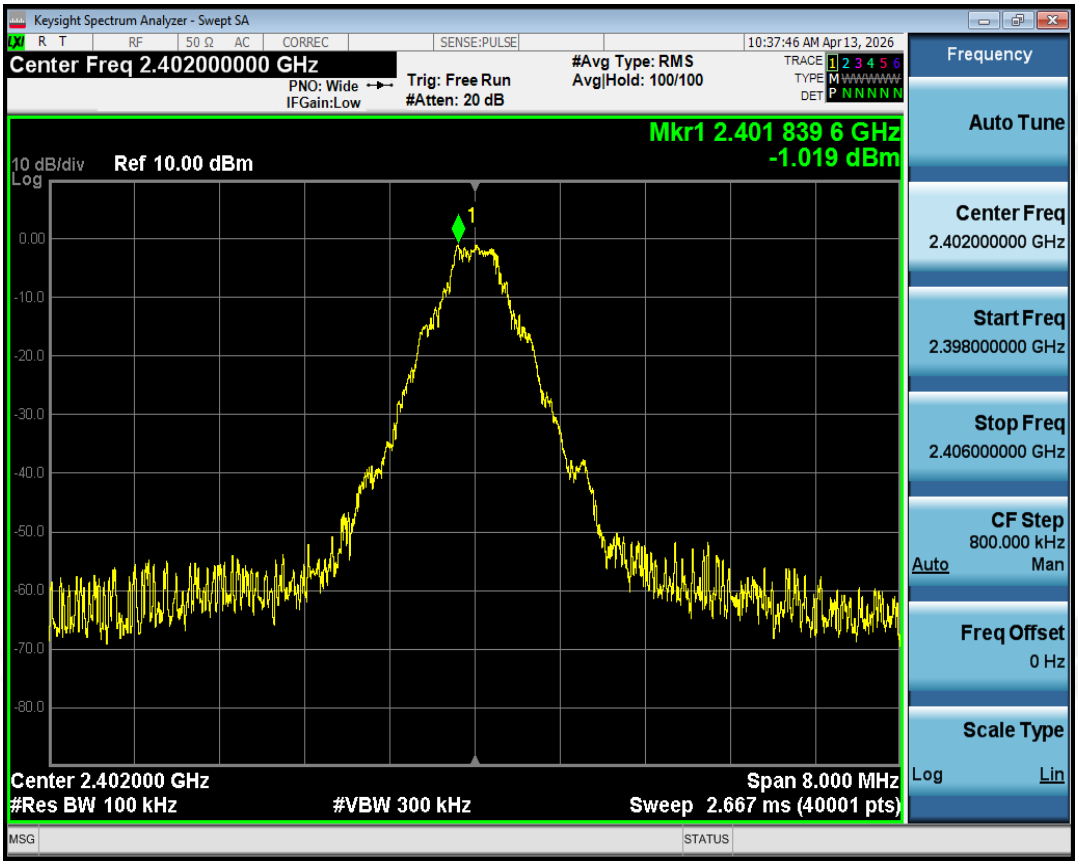
Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Ref



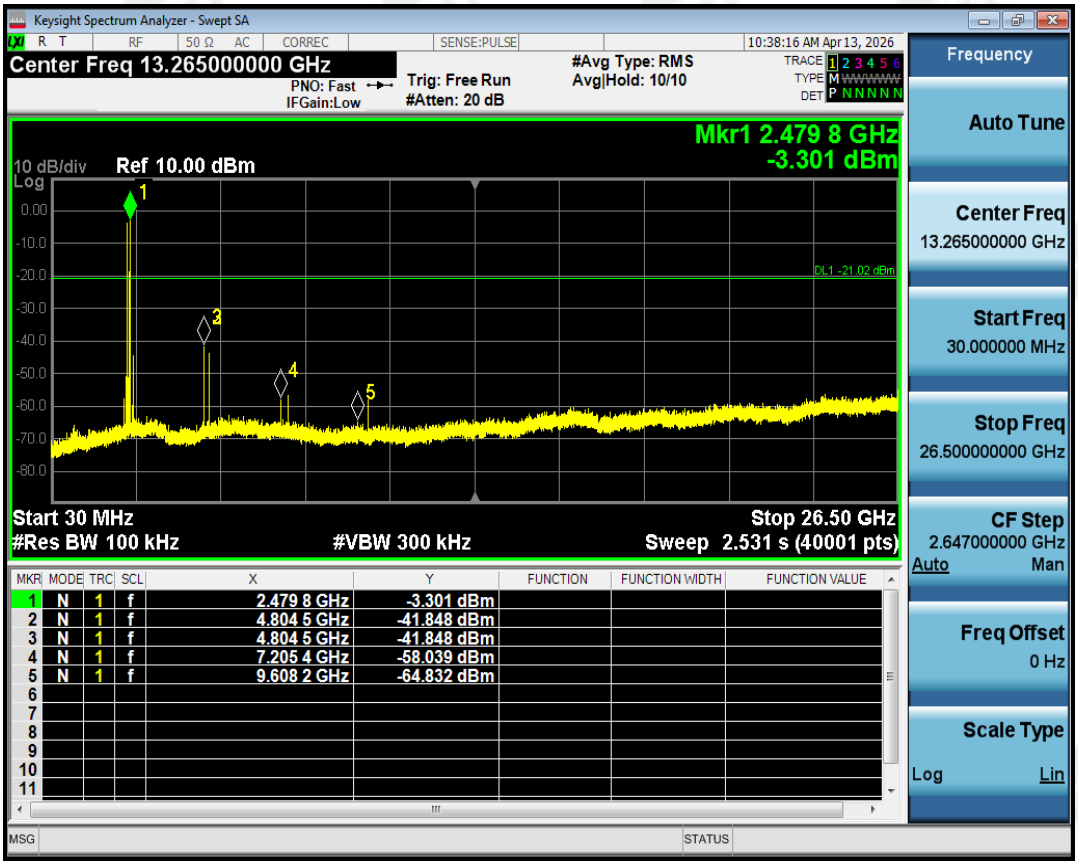
Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Emission

Conducted RF Spurious Emission

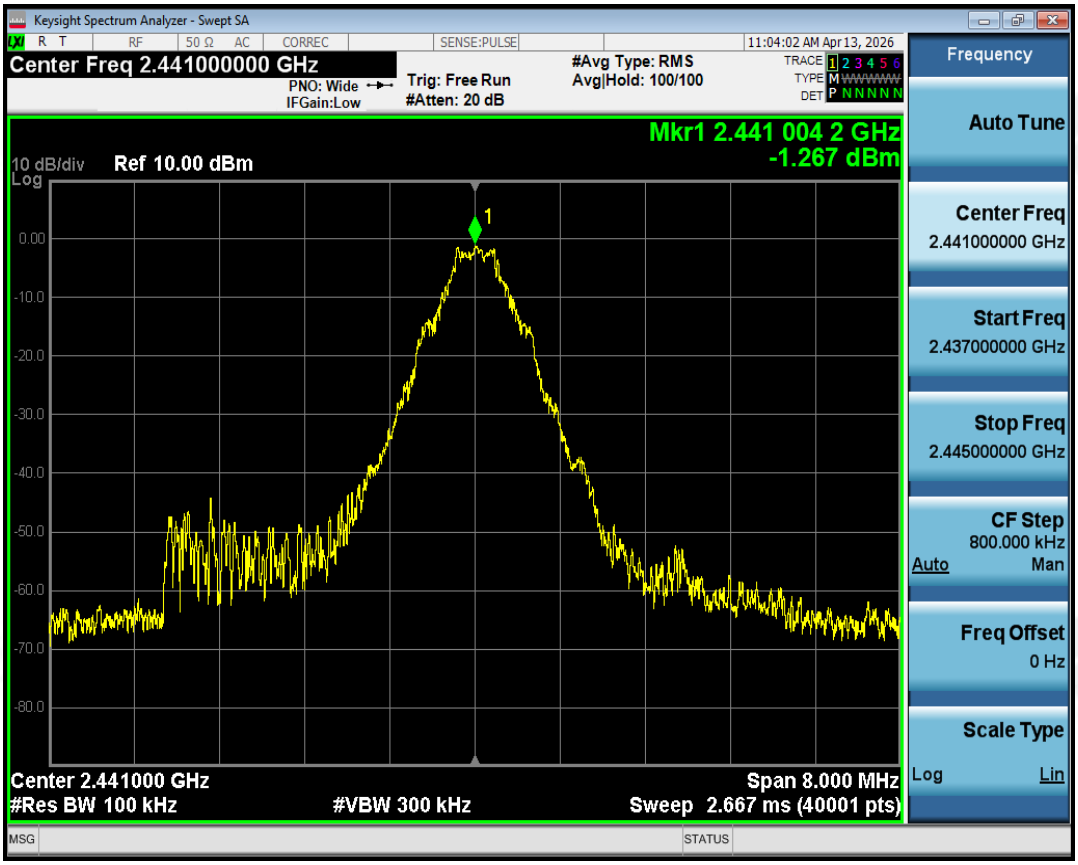
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-40.82	-20	Pass
NVNT	1-DH1	2441	Ant1	-32	-20	Pass
NVNT	2-DH1	2402	Ant1	-43.6	-20	Pass
NVNT	2-DH1	2441	Ant1	-39.35	-20	Pass
NVNT	2-DH1	2480	Ant1	-37.86	-20	Pass
NVNT	3-DH1	2402	Ant1	-43.95	-20	Pass
NVNT	3-DH1	2441	Ant1	-42.19	-20	Pass
NVNT	3-DH1	2480	Ant1	-41.77	-20	Pass



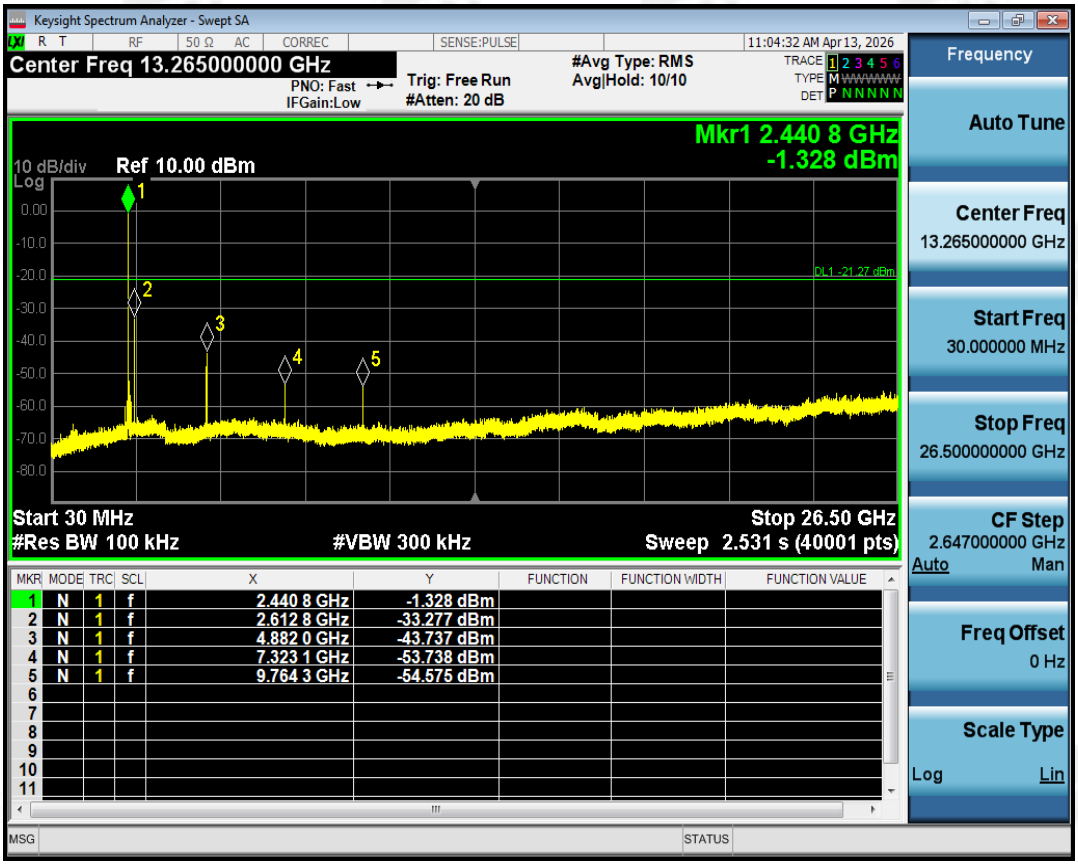
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



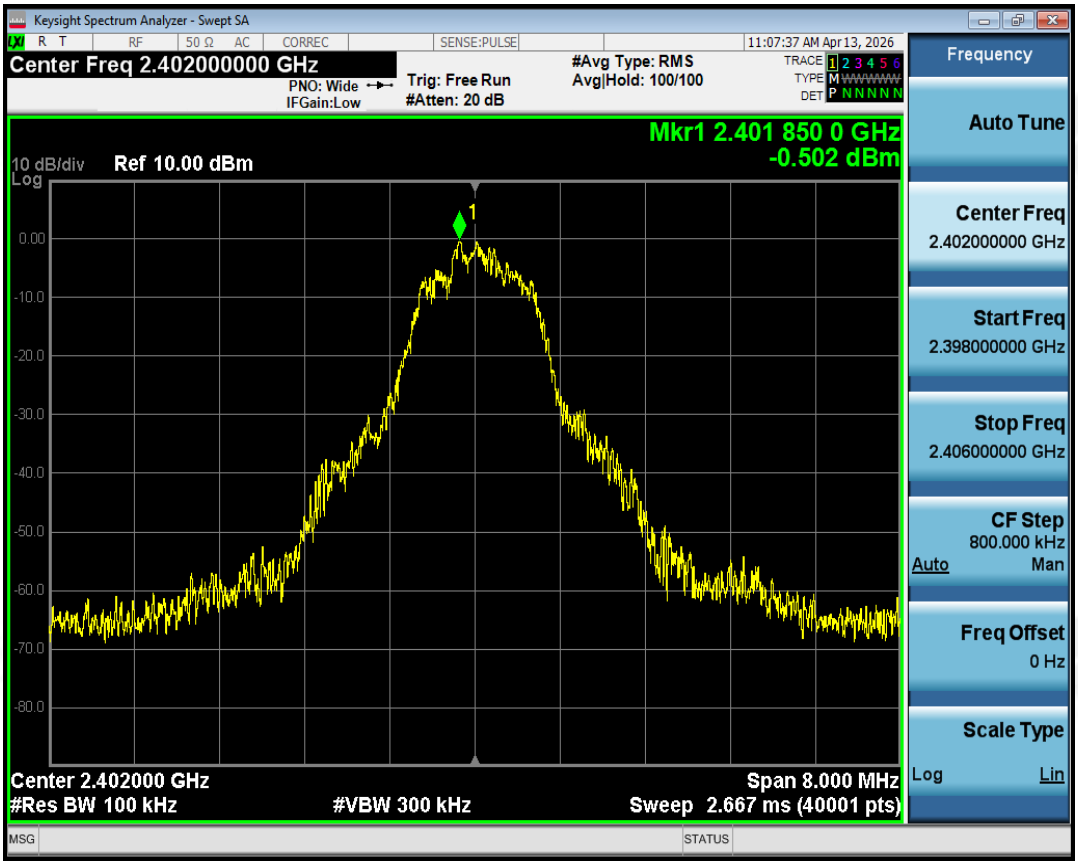
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission



Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



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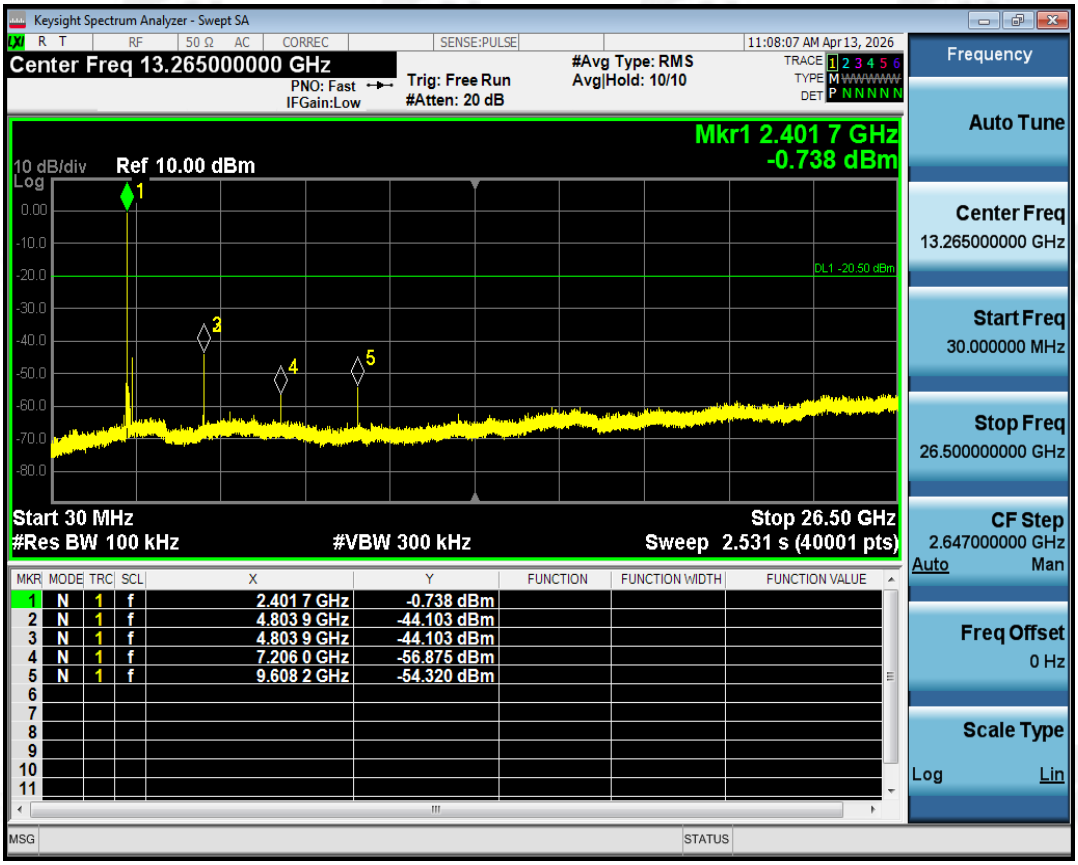

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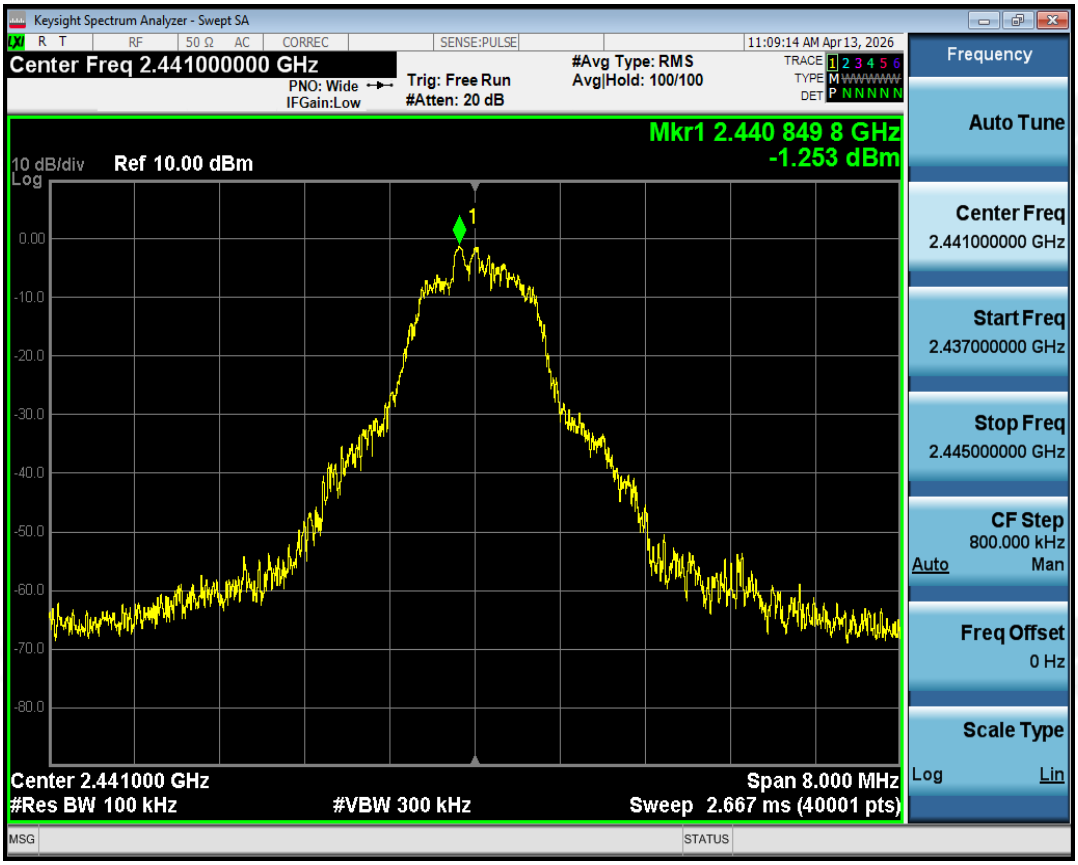
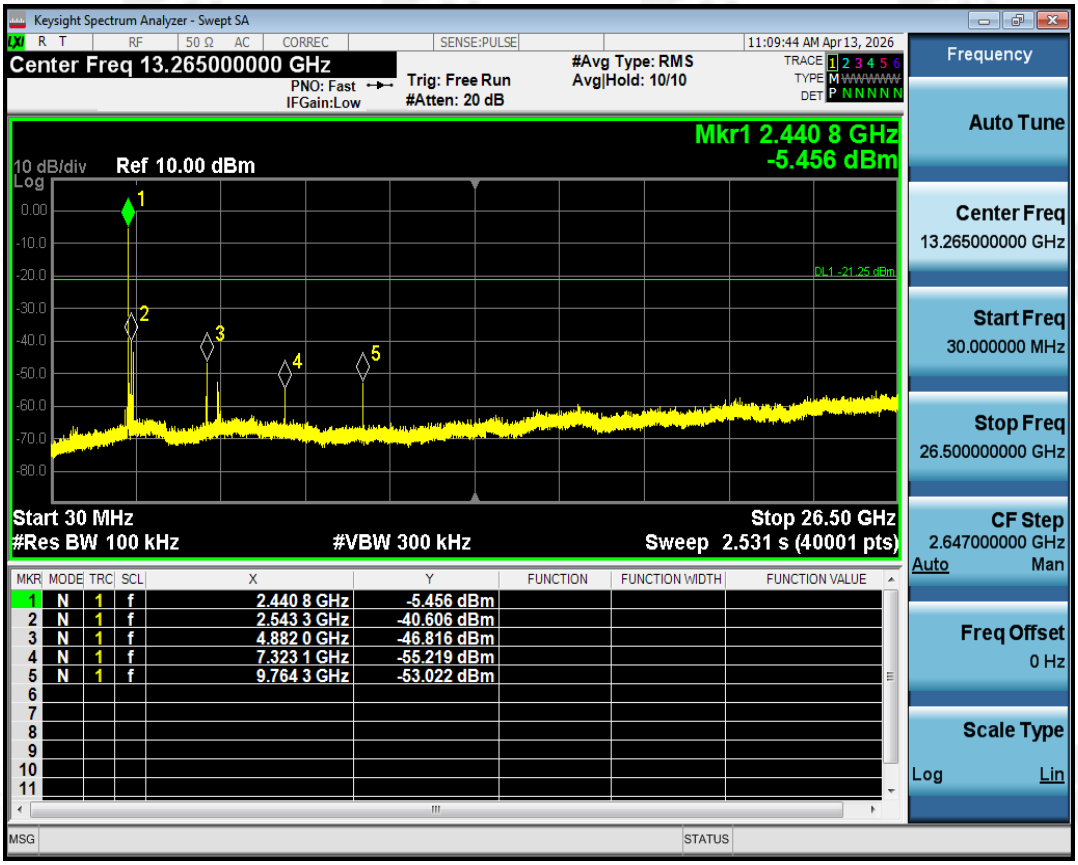
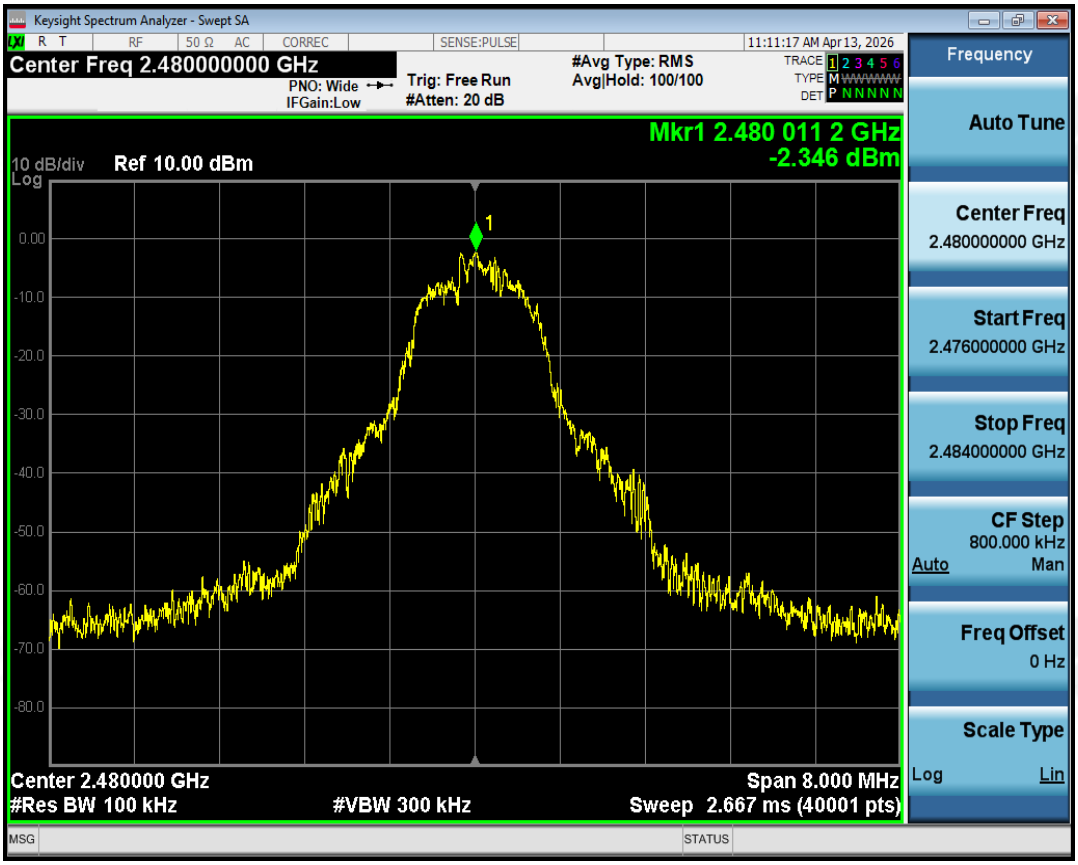


Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



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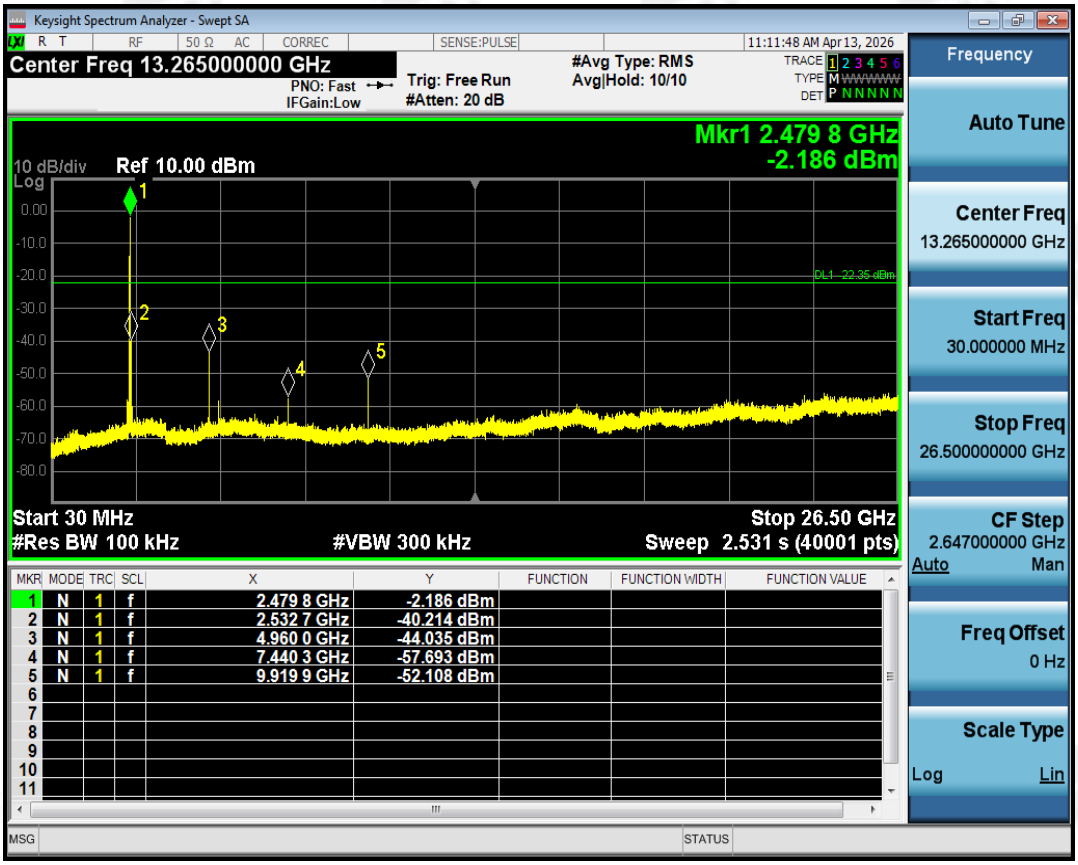
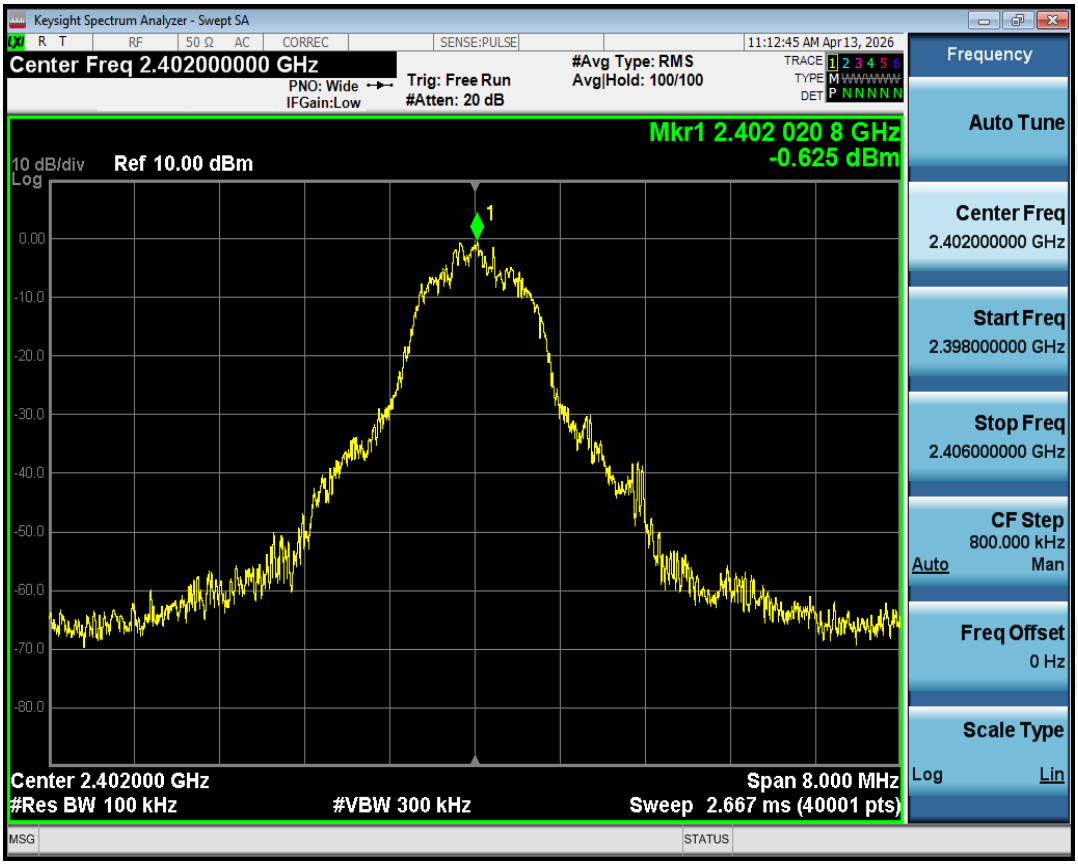


Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission



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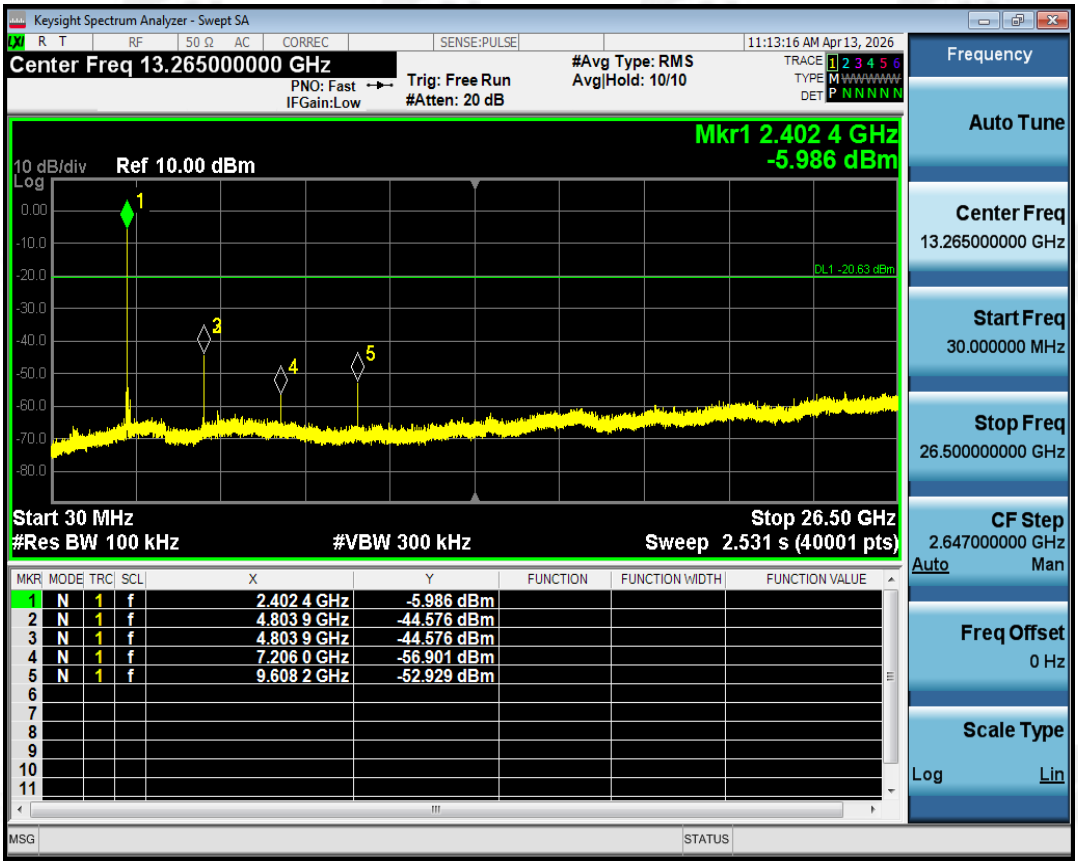
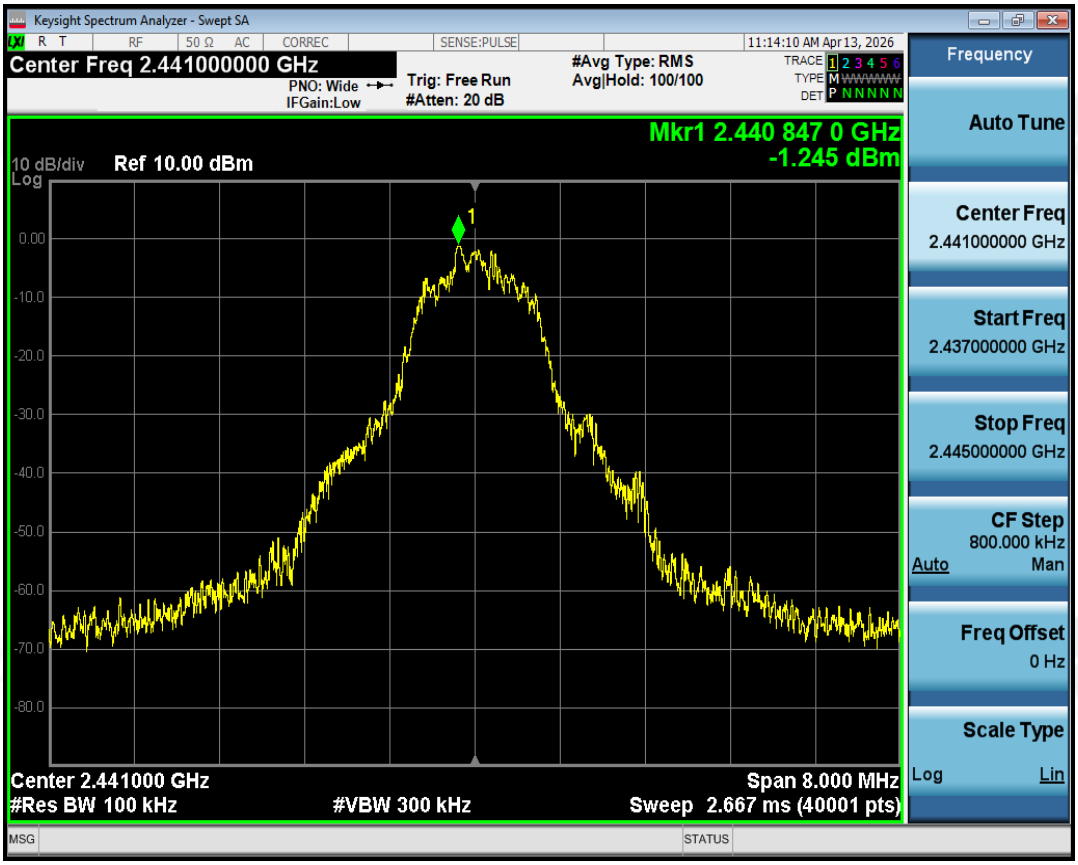
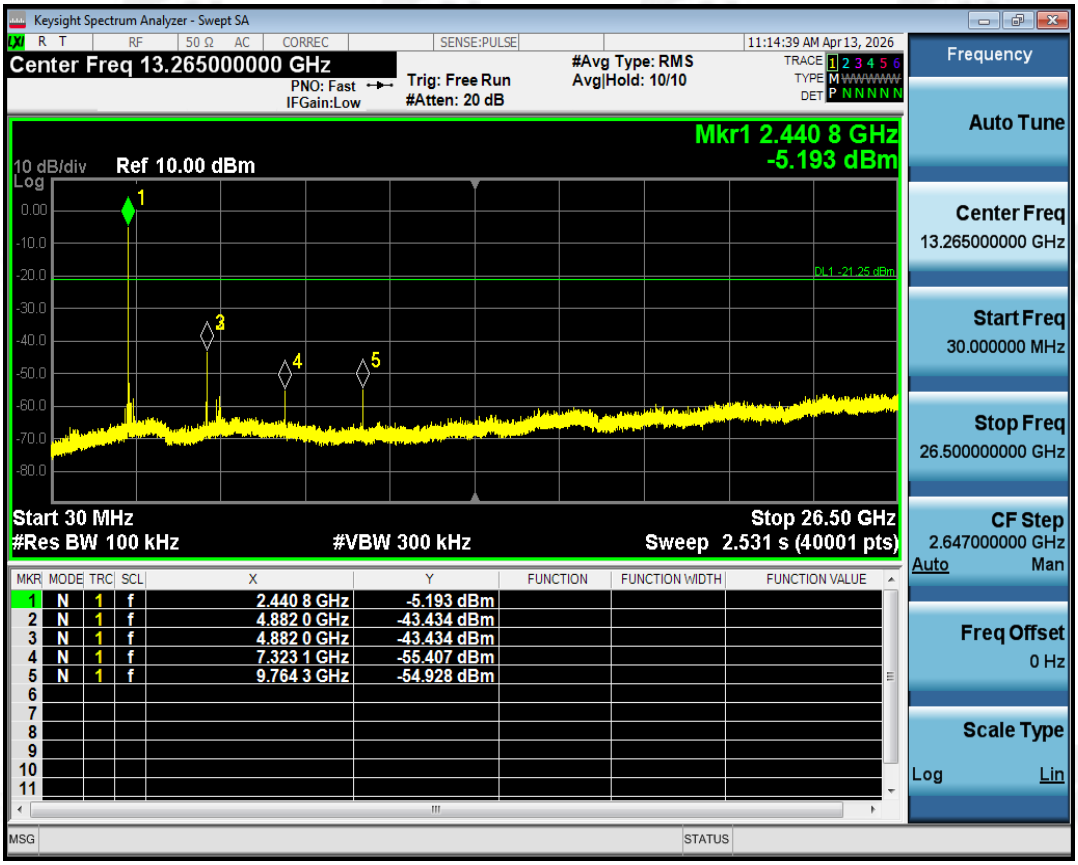


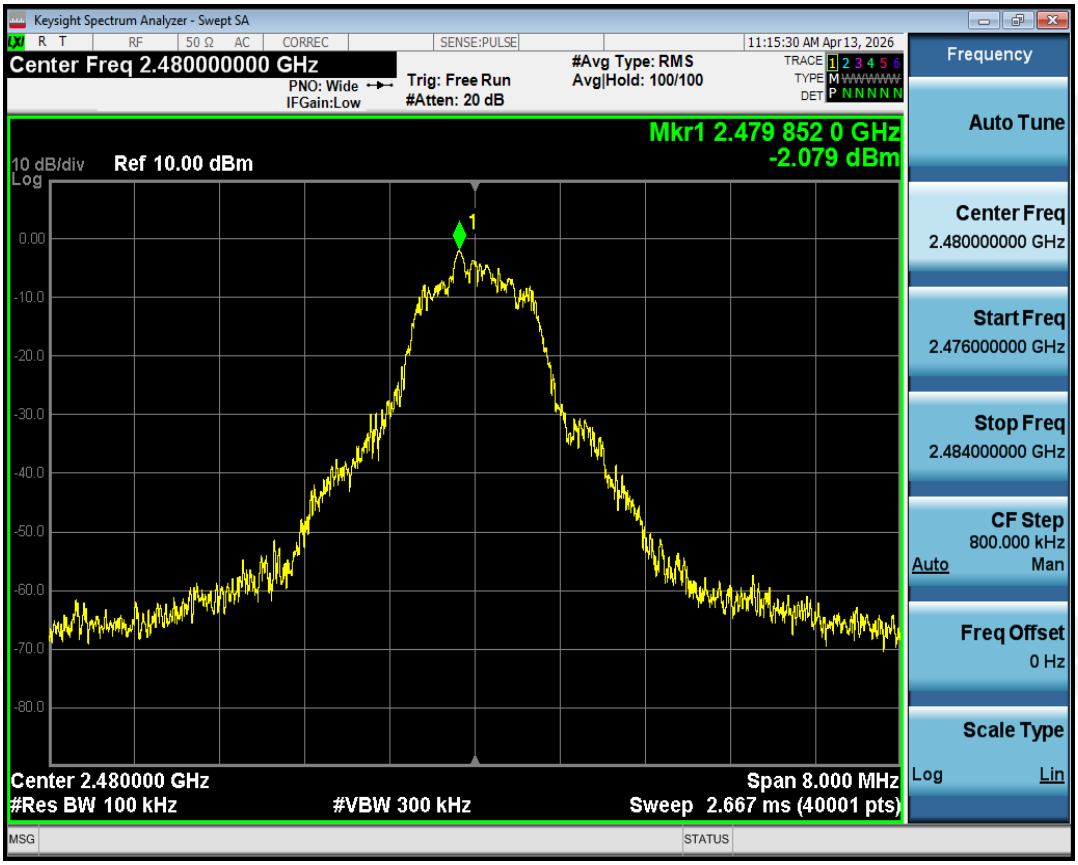
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Emission



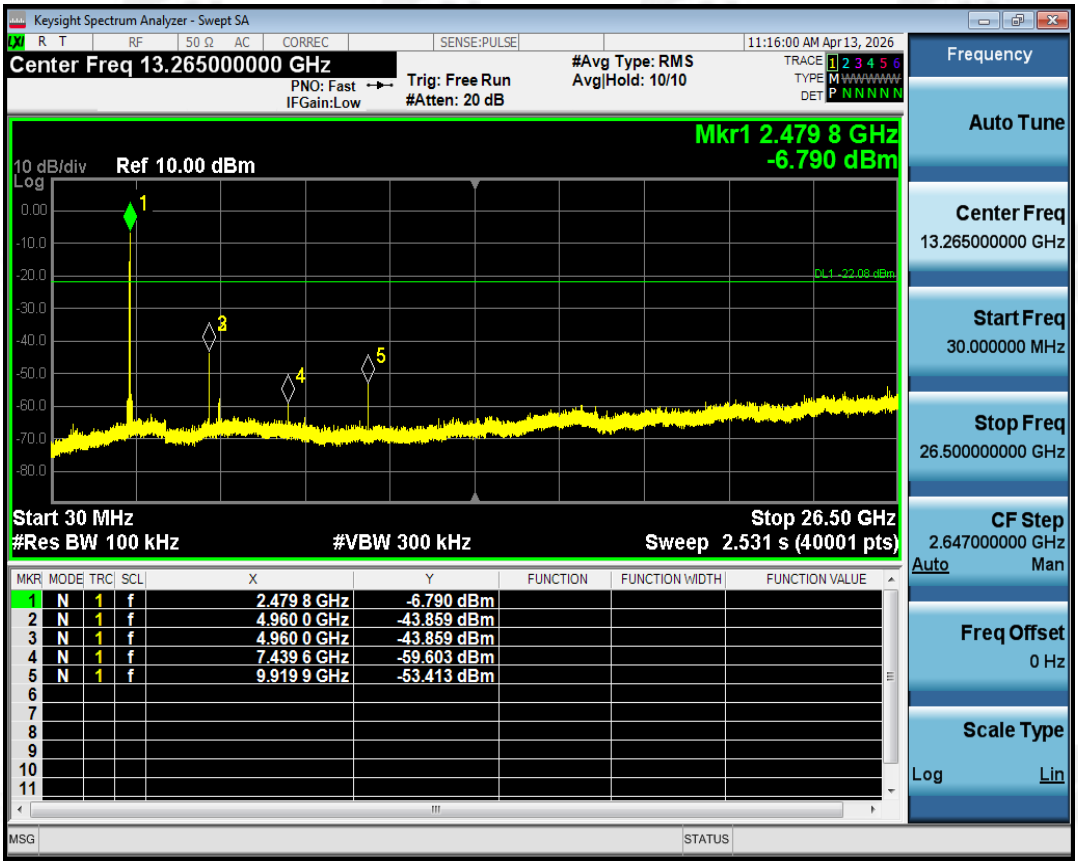
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Ref



Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission



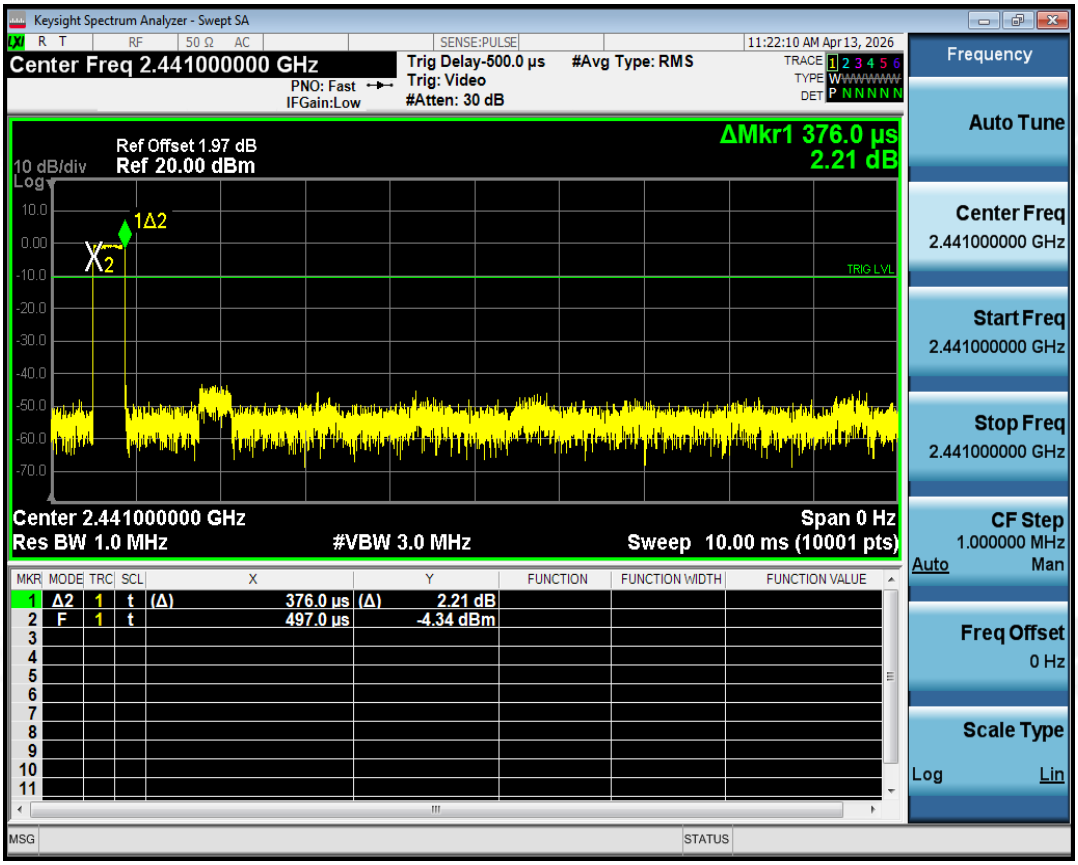
Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref



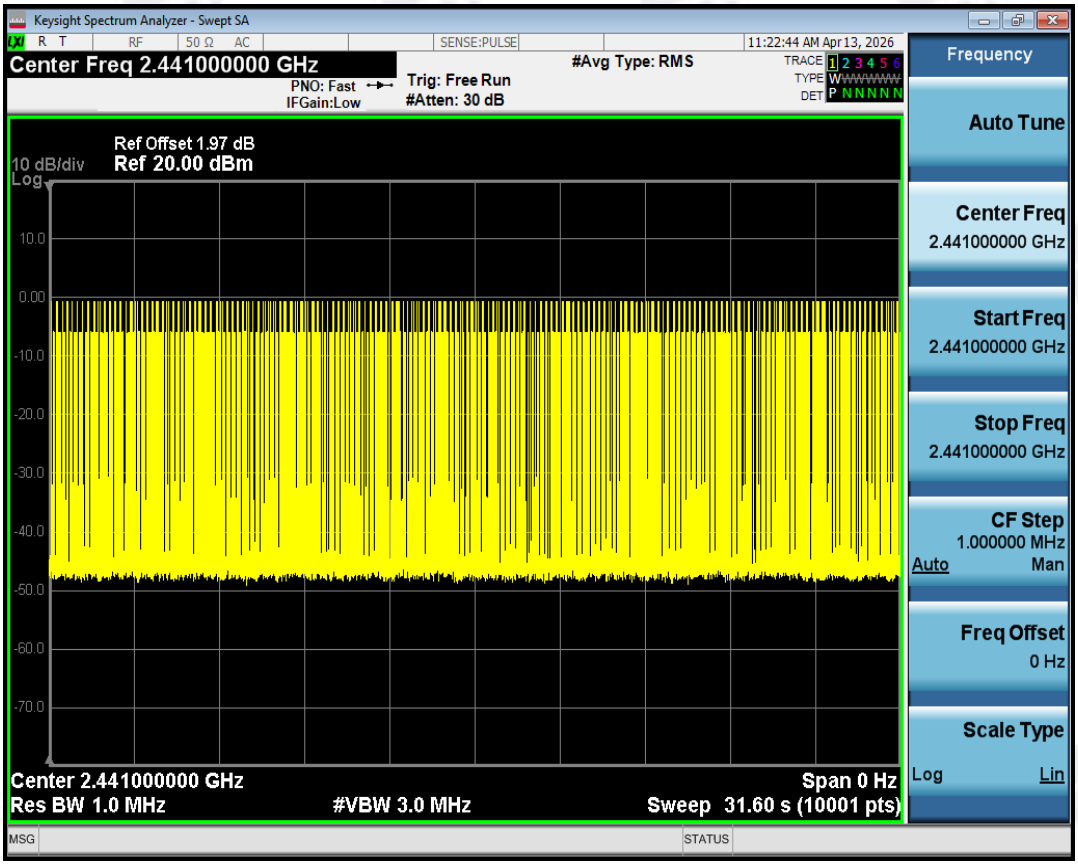
Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission

Dwell Time

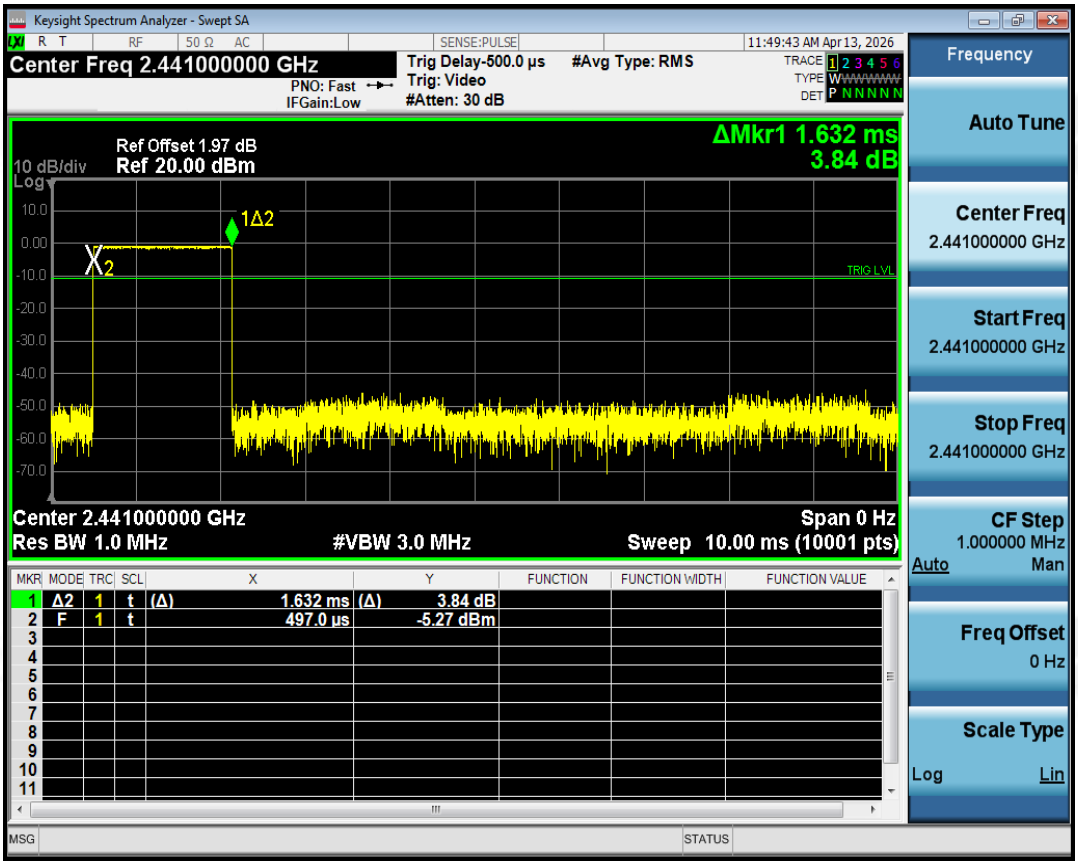
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.376	188.376	501	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.632	252.96	155	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.872	304.432	106	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.385	192.885	501	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.621	259.36	160	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.871	324.423	113	31600	400	Pass
NVNT	3-DH1	2441	Ant1	0.386	193.386	501	31600	400	Pass
NVNT	3-DH3	2441	Ant1	1.636	256.852	157	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.87	315.7	110	31600	400	Pass



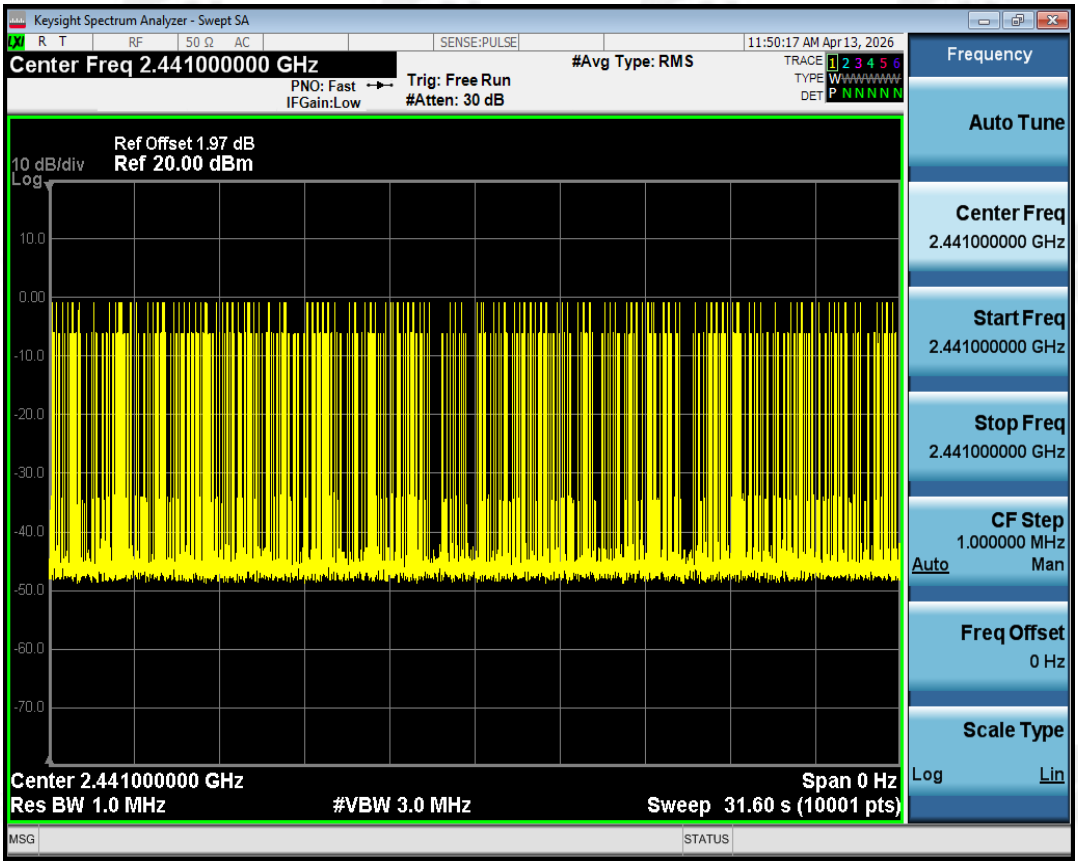
Dwell NVNT 1-DH1 2441MHz Ant1 One Burst



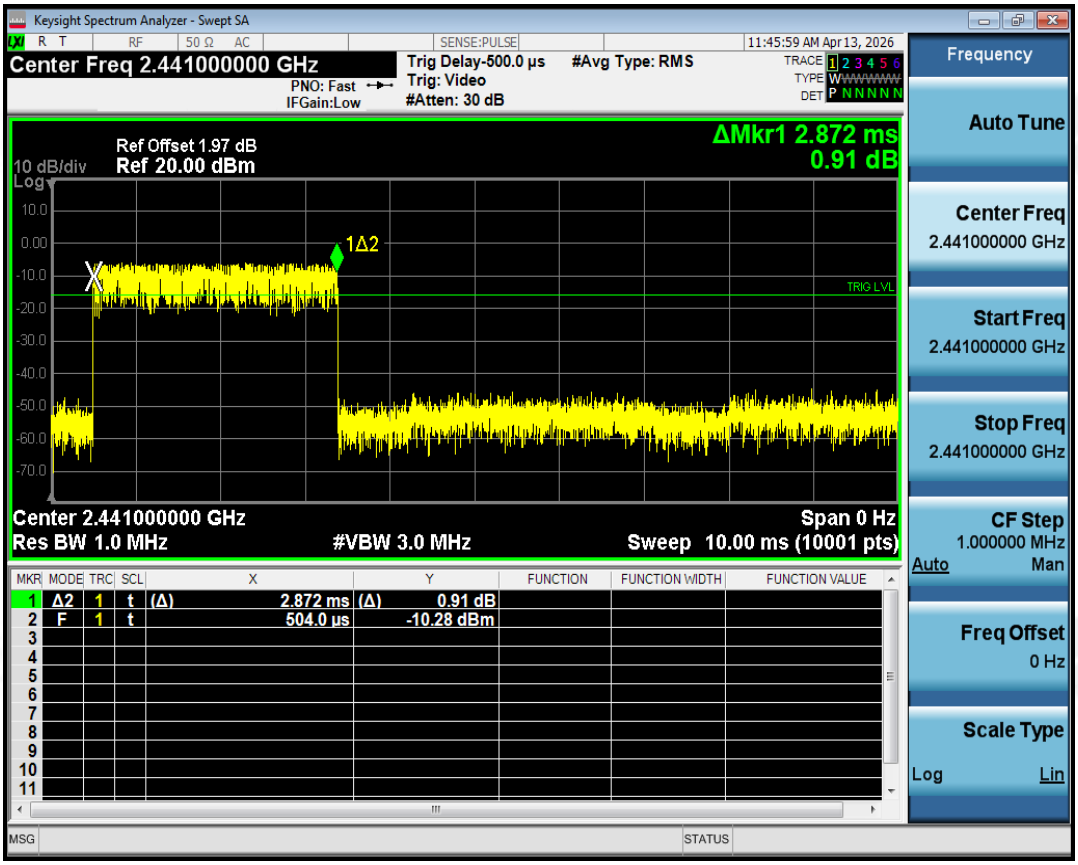
Dwell NVNT 1-DH1 2441MHz Ant1 Accumulated



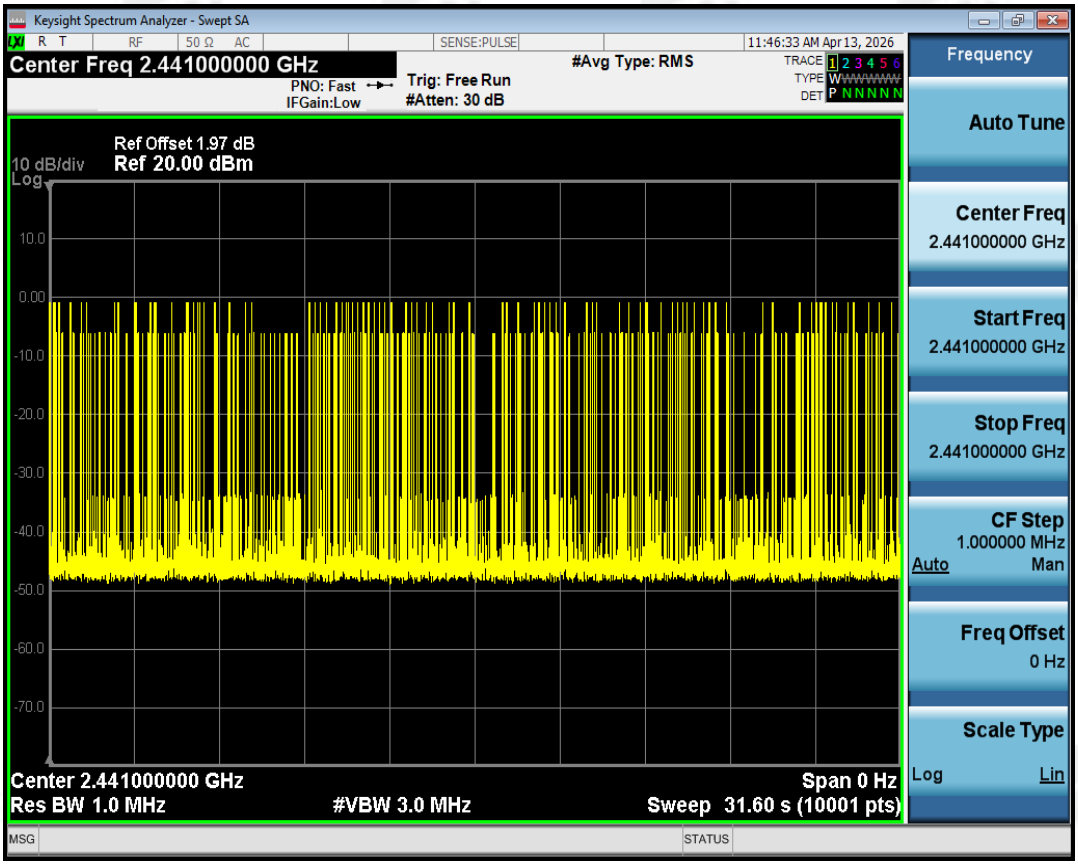
Dwell NVNT 1-DH3 2441MHz Ant1 One Burst



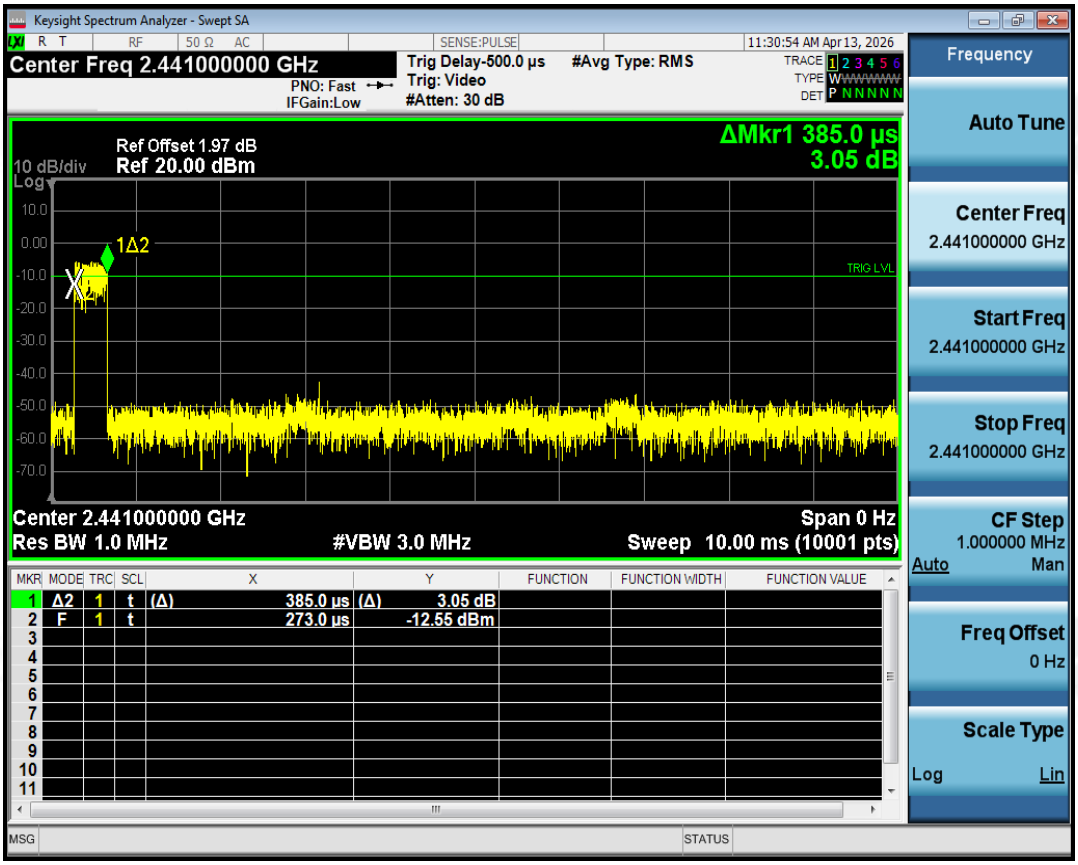
Dwell NVNT 1-DH3 2441MHz Ant1 Accumulated



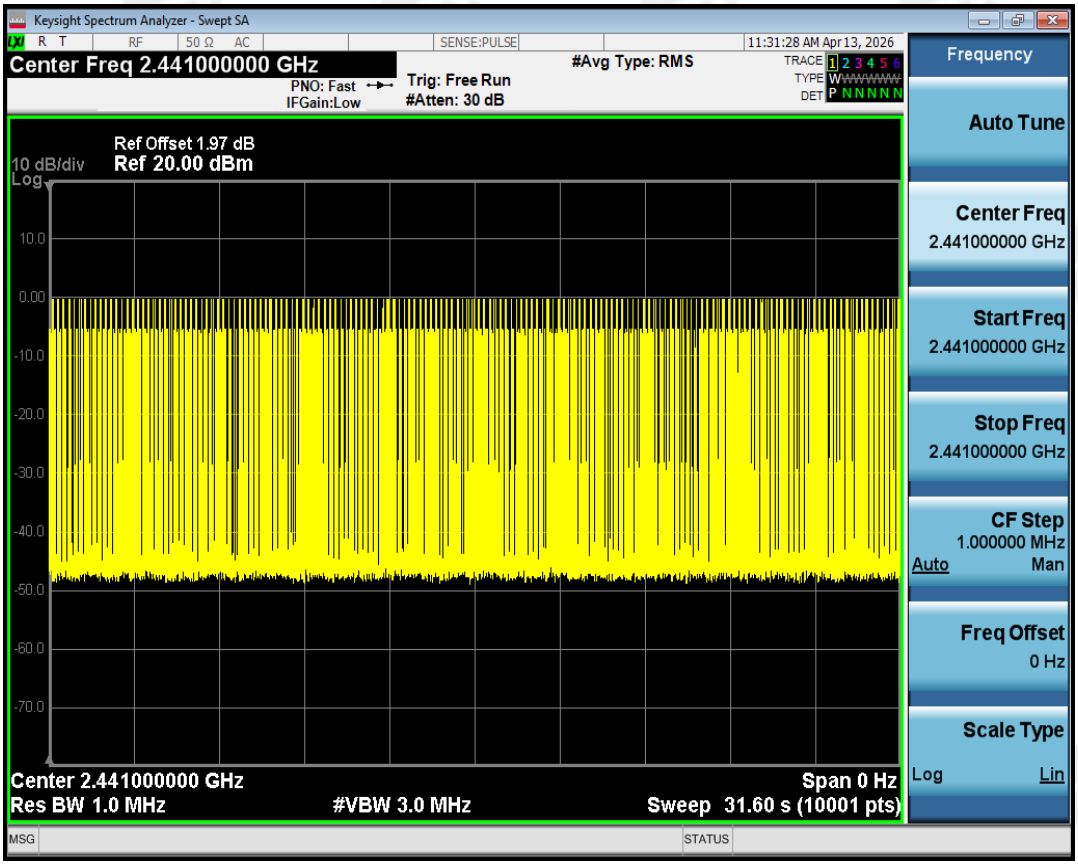
Dwell NVNT 1-DH5 2441MHz Ant1 One Burst



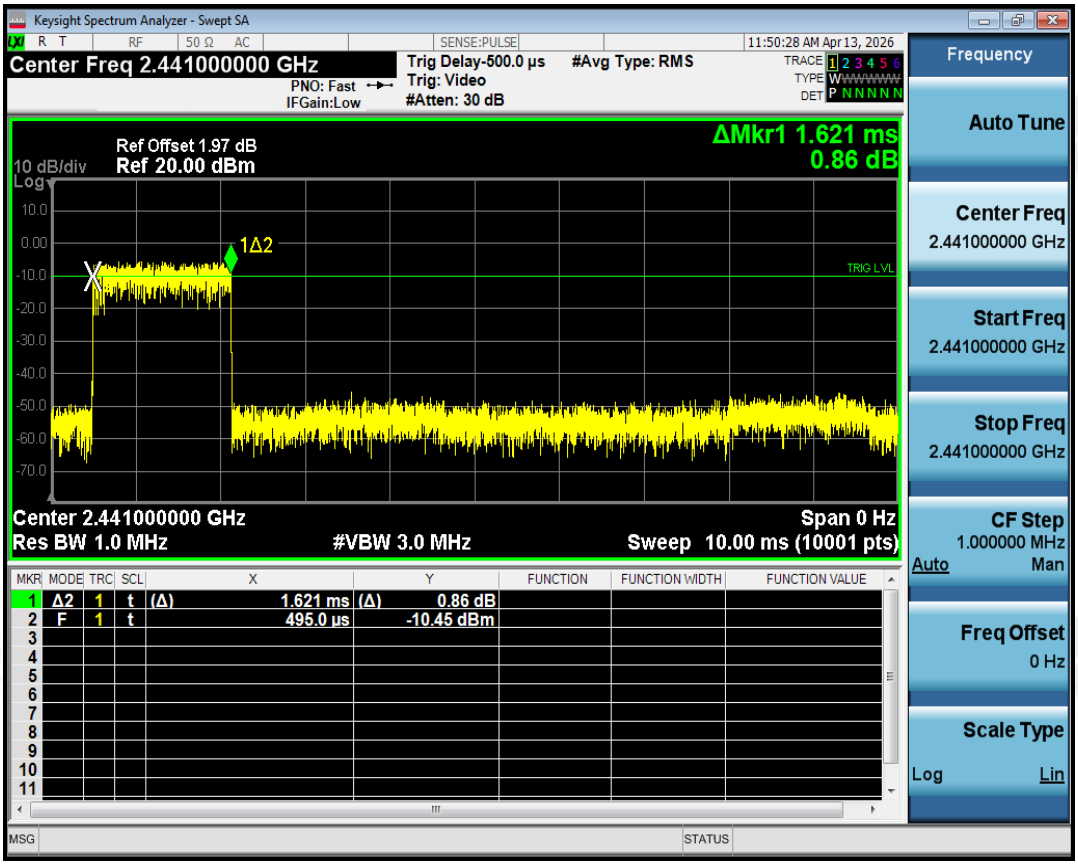
Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated



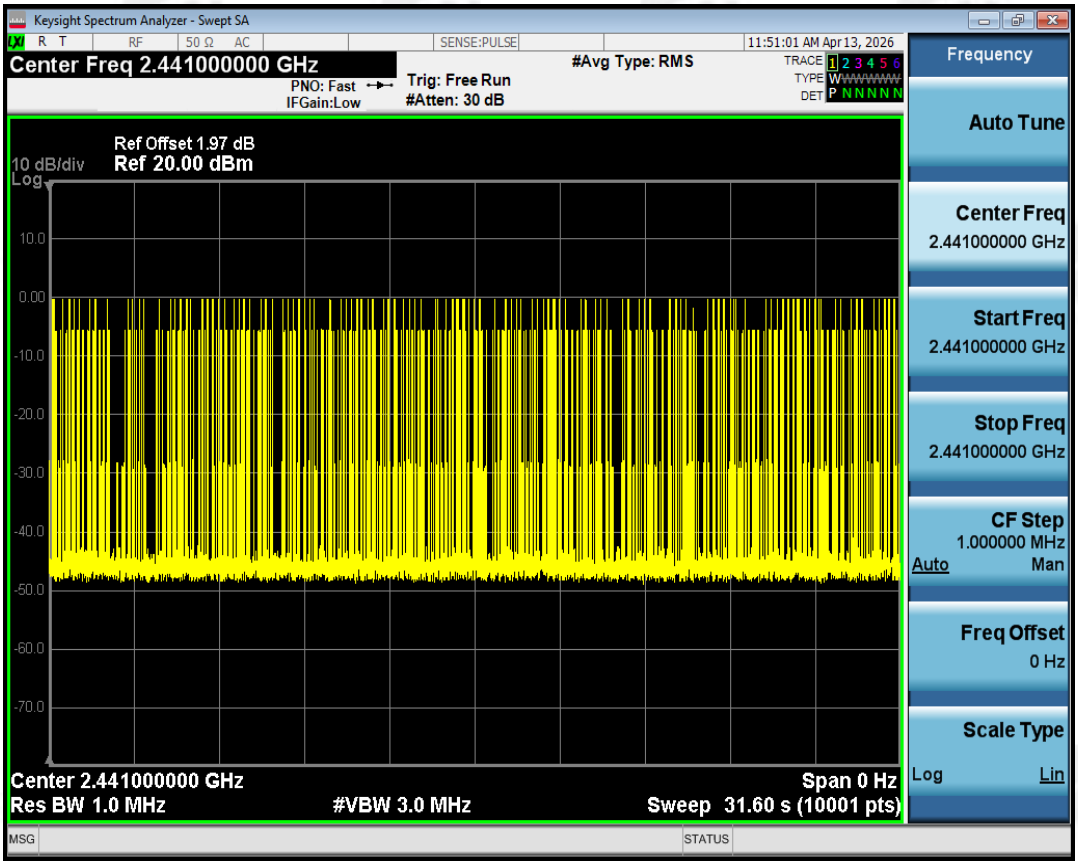
Dwell NVNT 2-DH1 2441MHz Ant1 One Burst



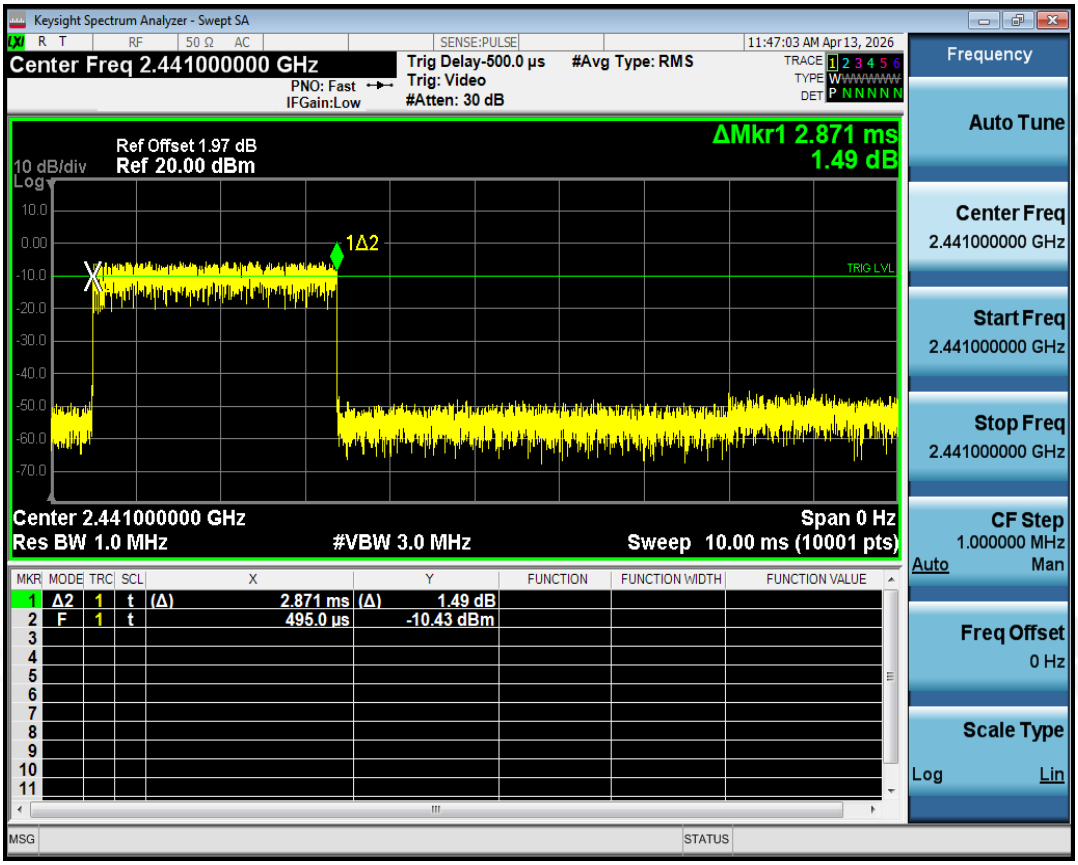
Dwell NVNT 2-DH1 2441MHz Ant1 Accumulated



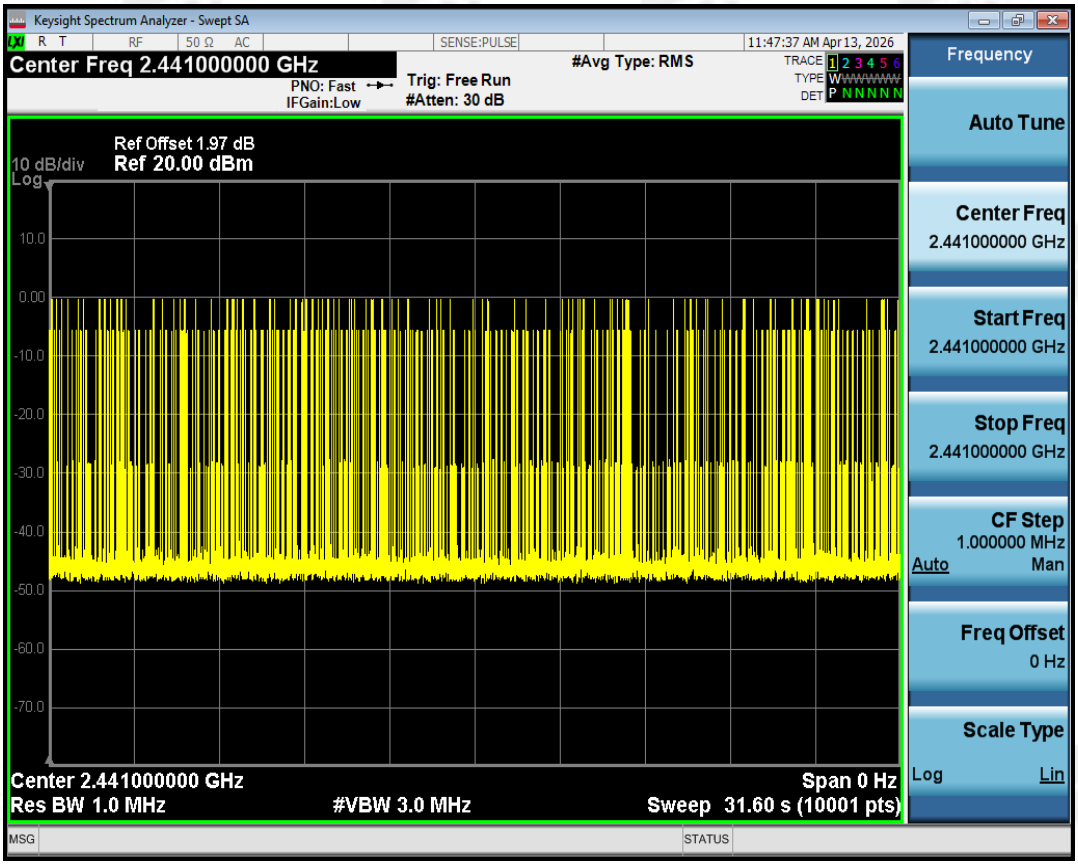
Dwell NVNT 2-DH3 2441MHz Ant1 One Burst



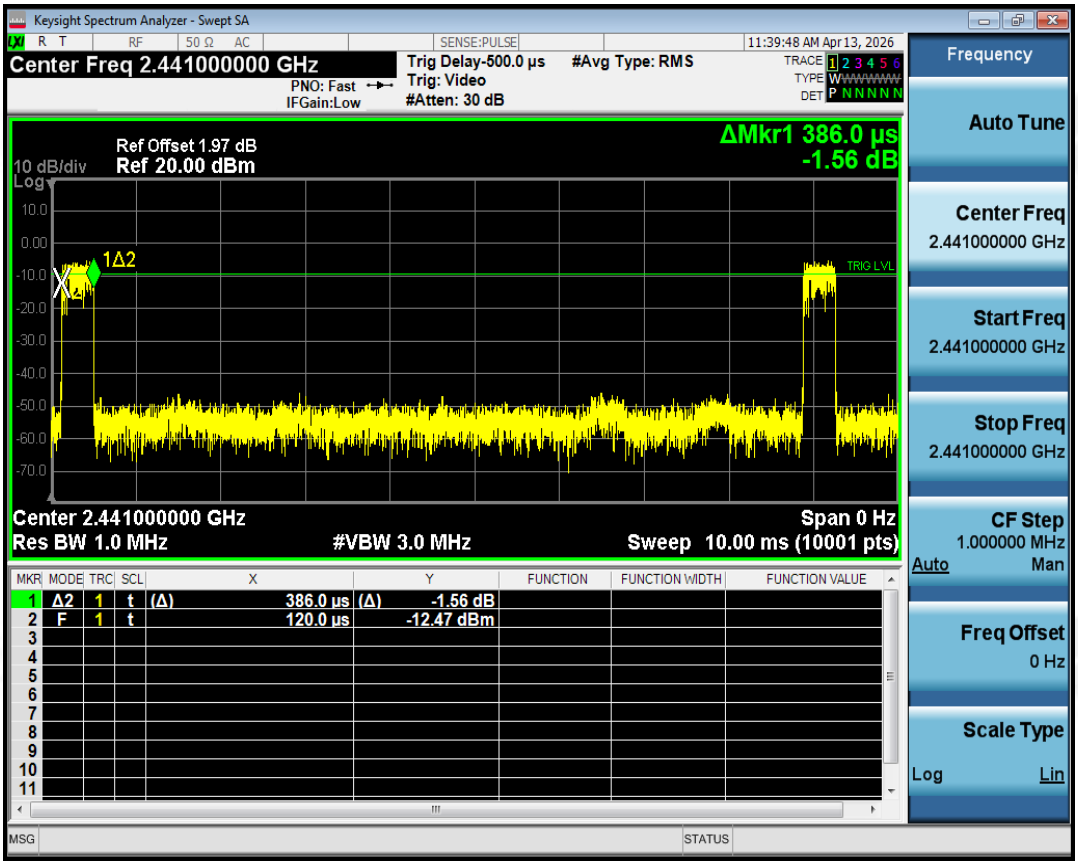
Dwell NVNT 2-DH3 2441MHz Ant1 Accumulated



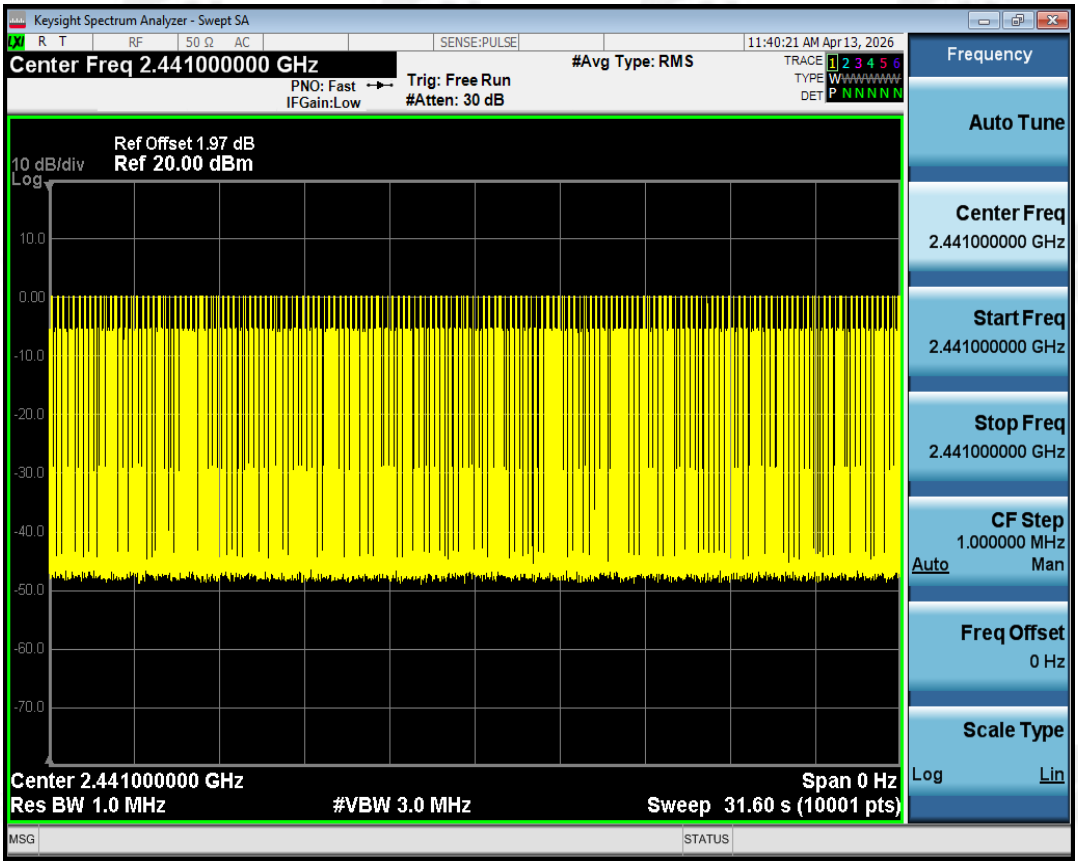
Dwell NVNT 2-DH5 2441MHz Ant1 One Burst



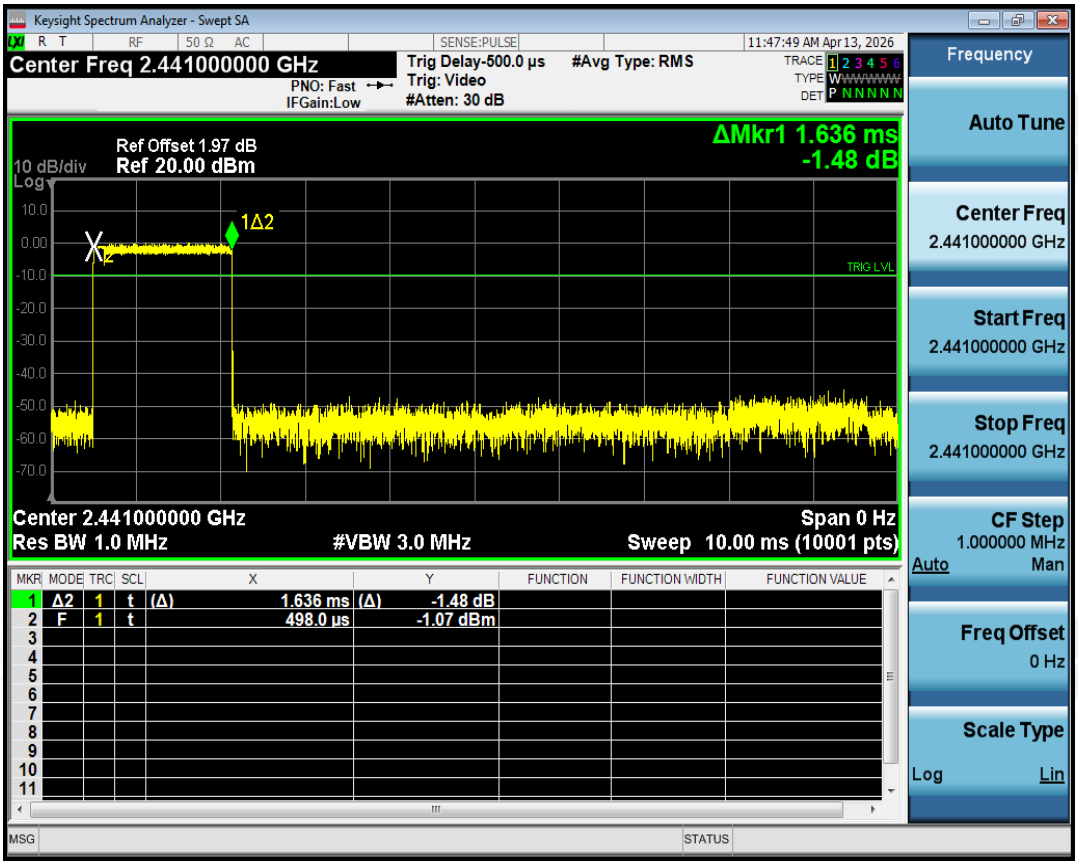
Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated



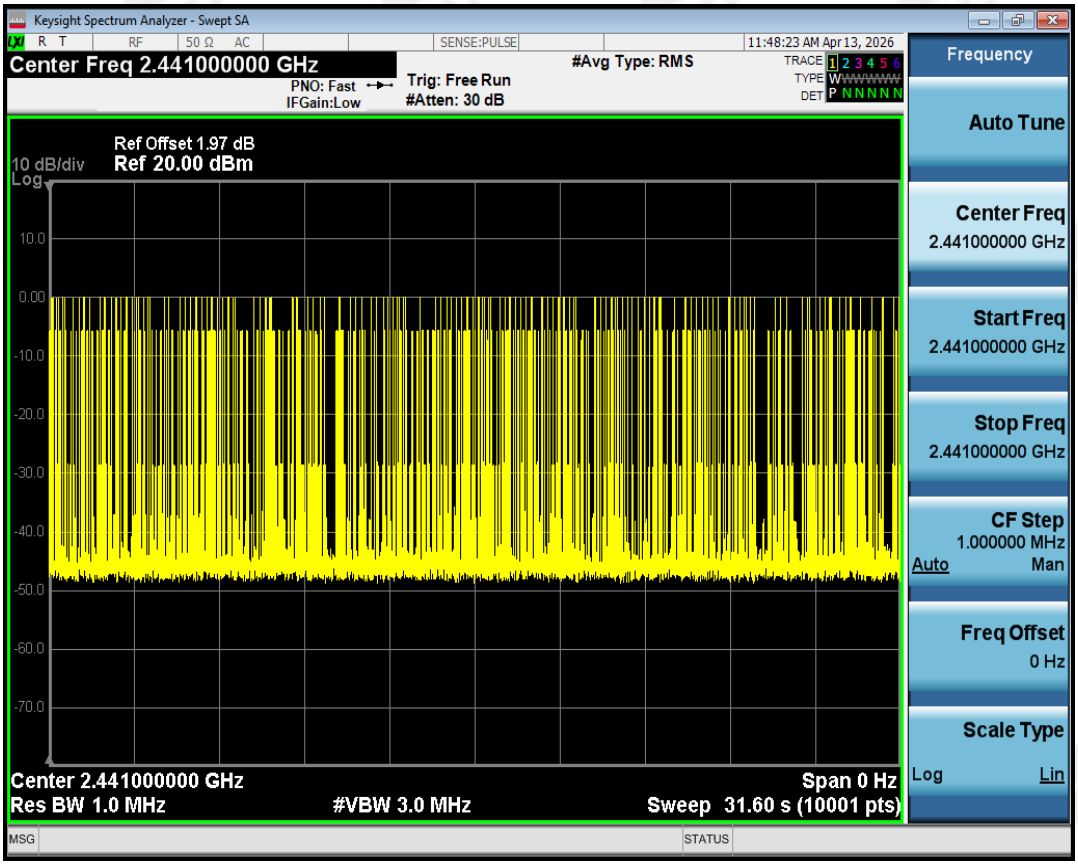
Dwell NVNT 3-DH1 2441MHz Ant1 One Burst



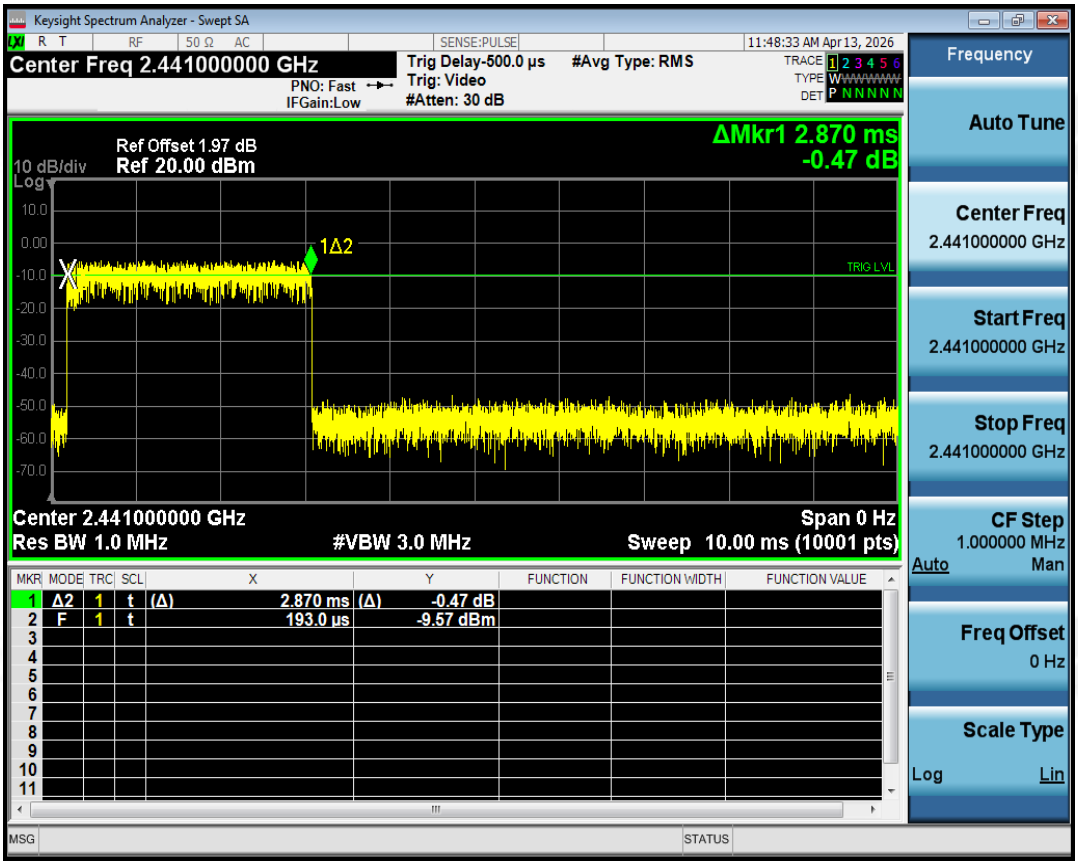
Dwell NVNT 3-DH1 2441MHz Ant1 Accumulated



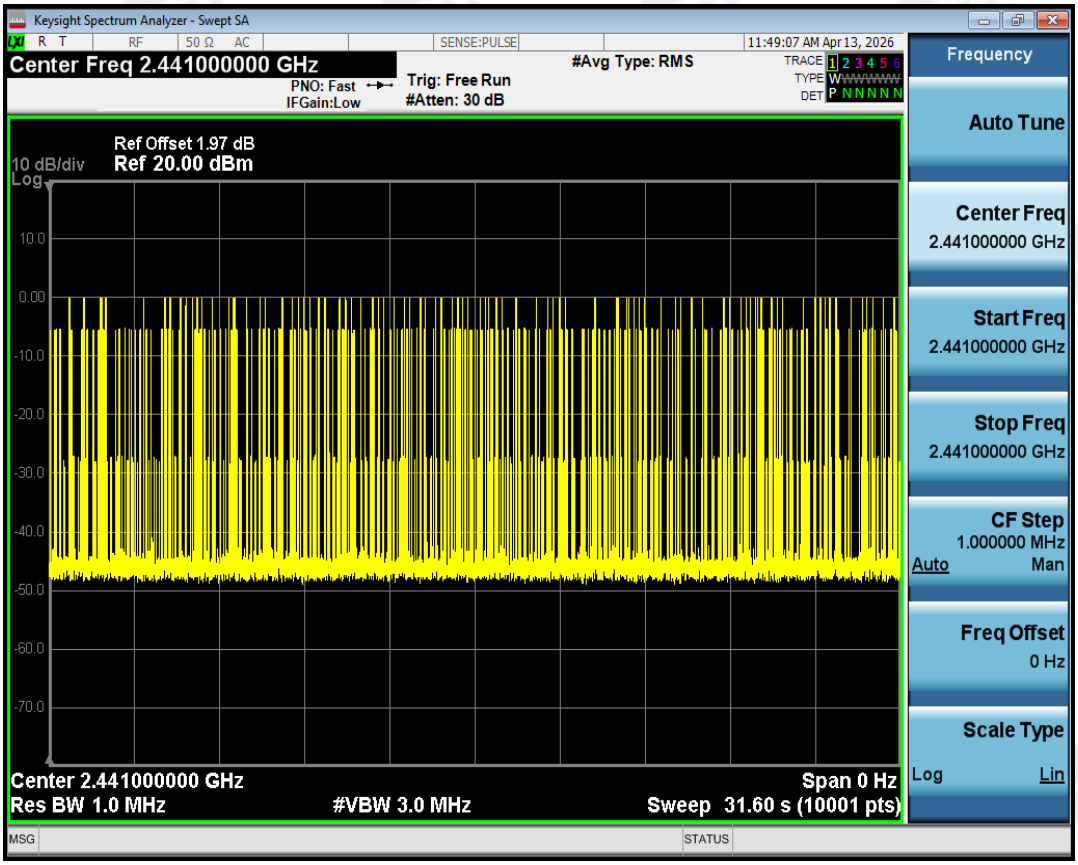
Dwell NVNT 3-DH3 2441MHz Ant1 One Burst



Dwell NVNT 3-DH3 2441MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2441MHz Ant1 One Burst



Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated