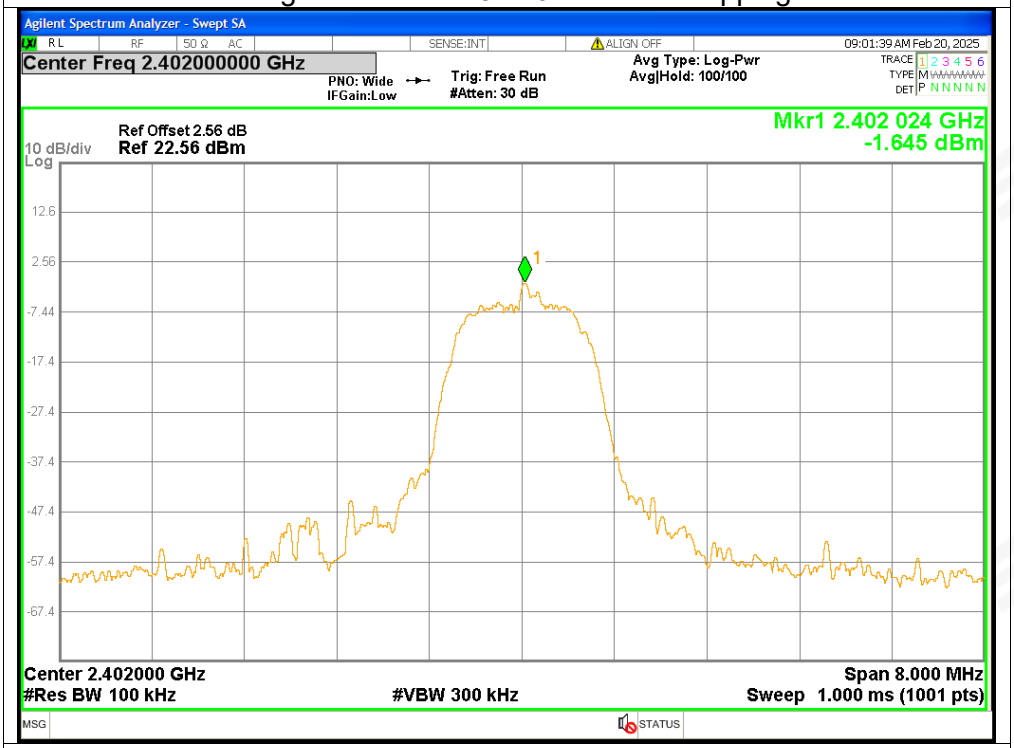
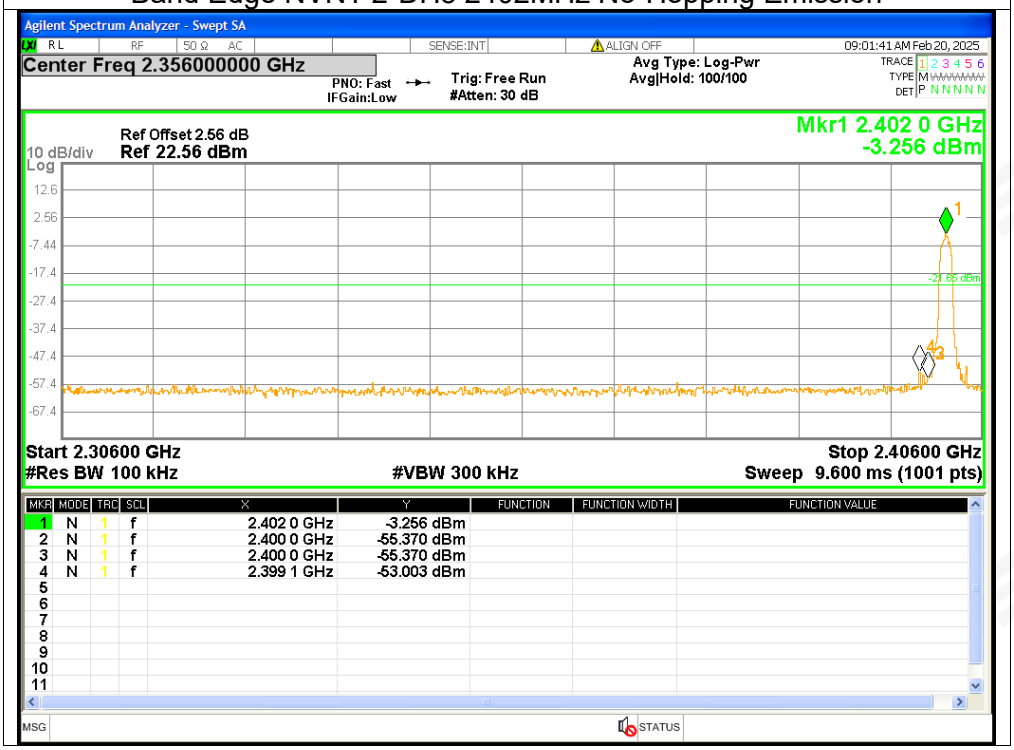
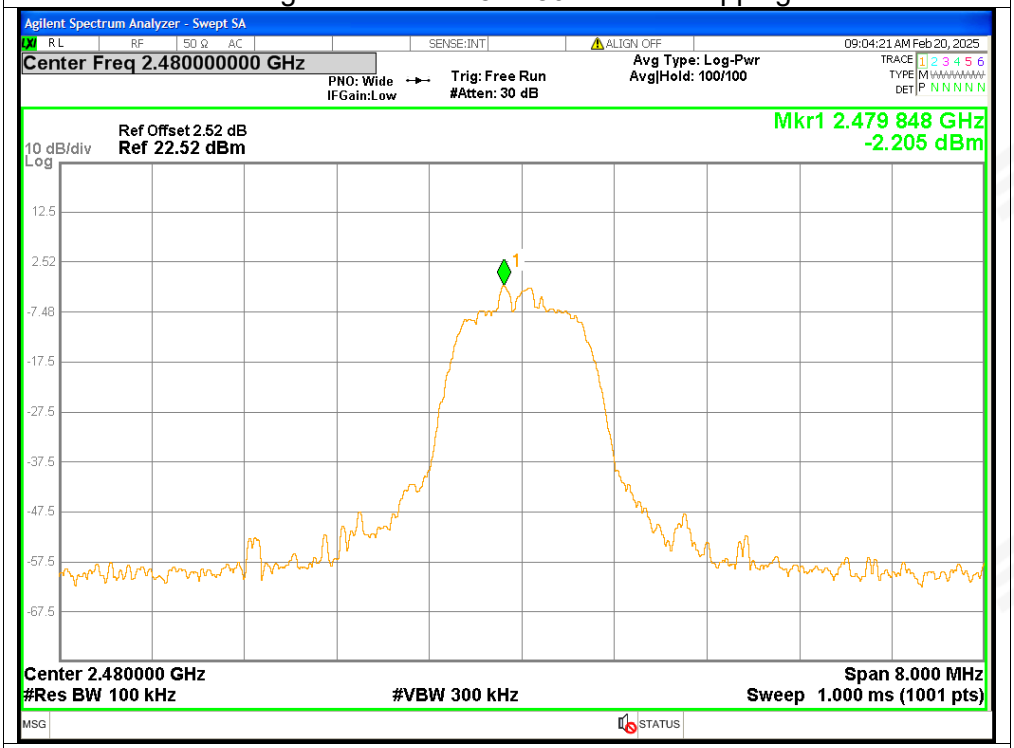
Band Edge NVNT 2-DH5 2402MHz No-Hopping Ref



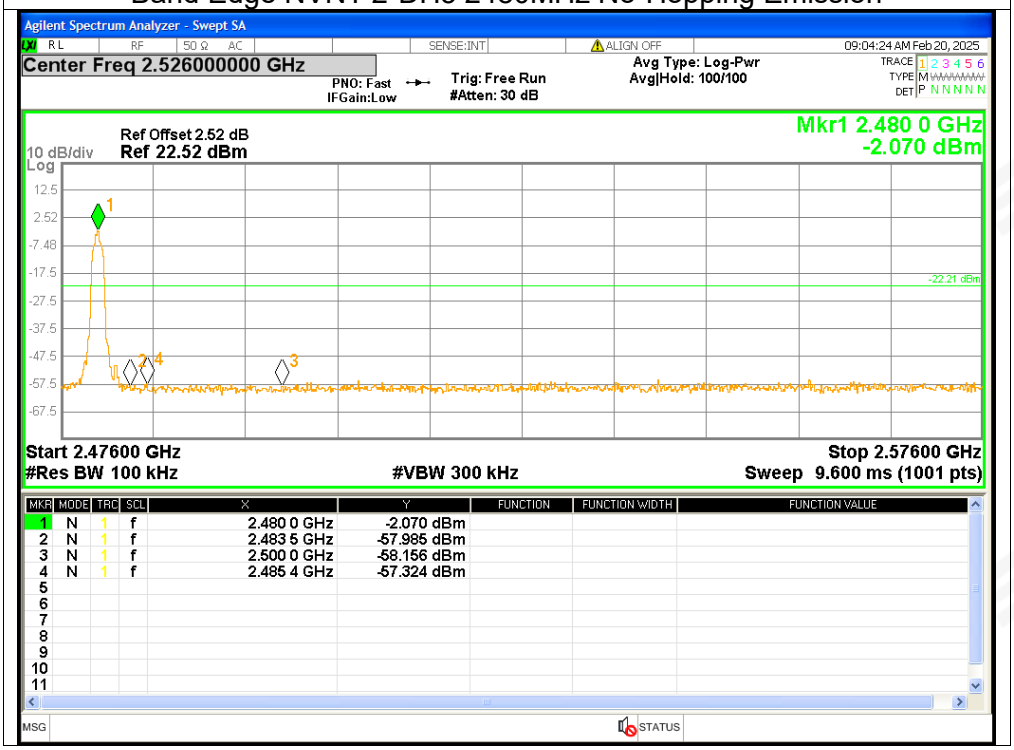
Band Edge NVNT 2-DH5 2402MHz No-Hopping Emission



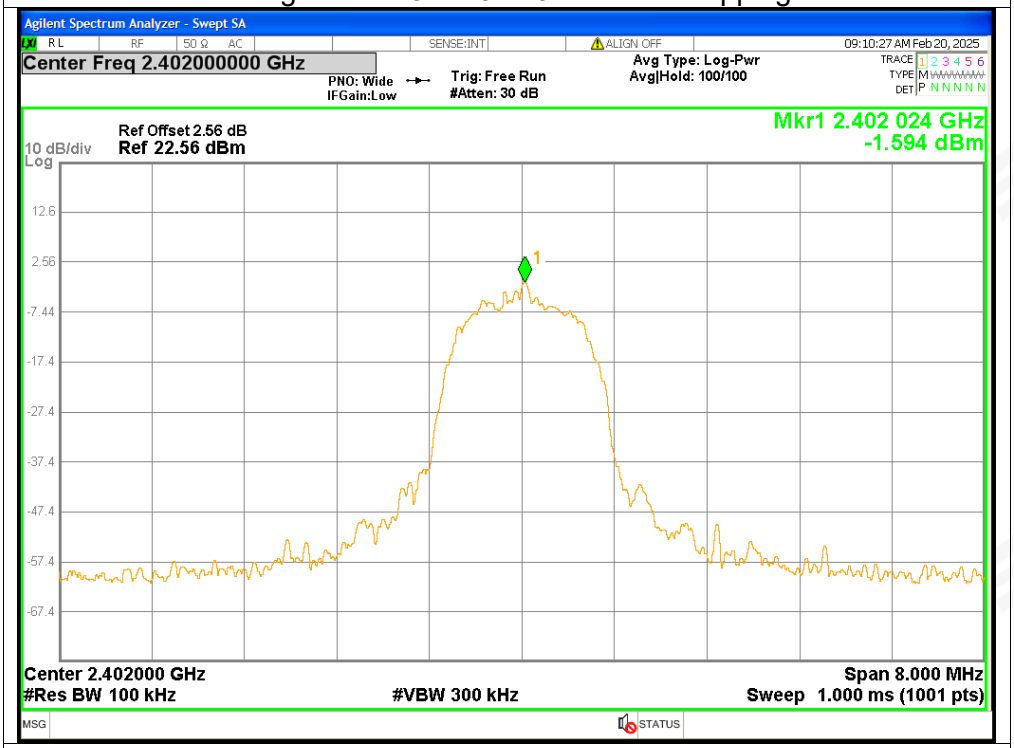
Band Edge NVNT 2-DH5 2480MHz No-Hopping Ref



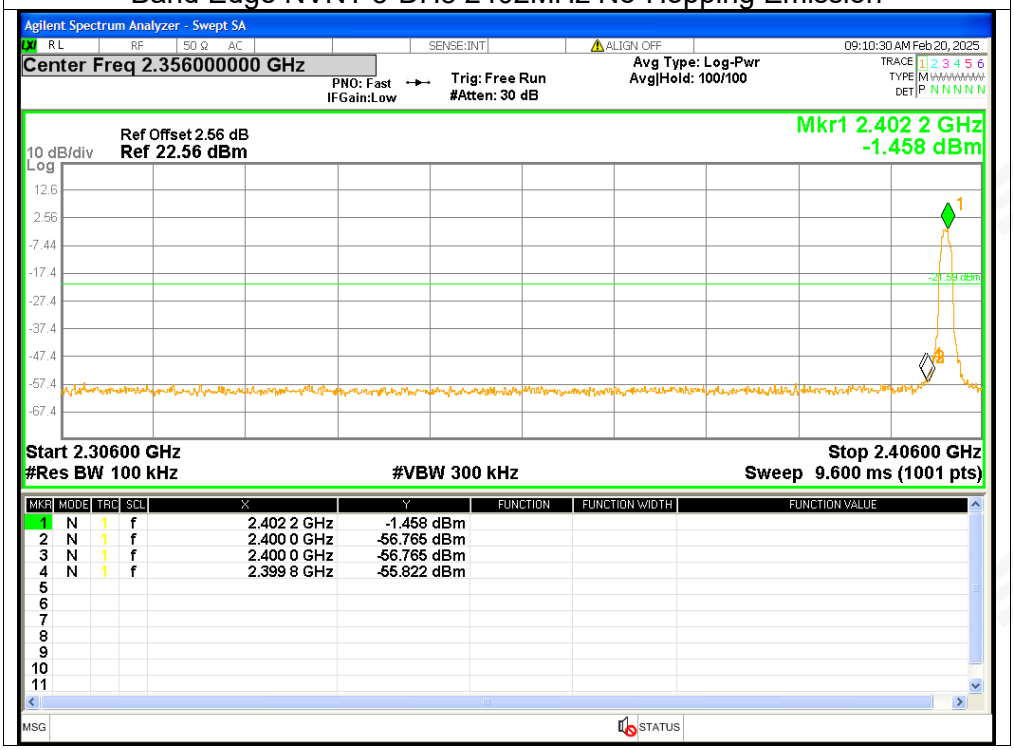
Band Edge NVNT 2-DH5 2480MHz No-Hopping Emission



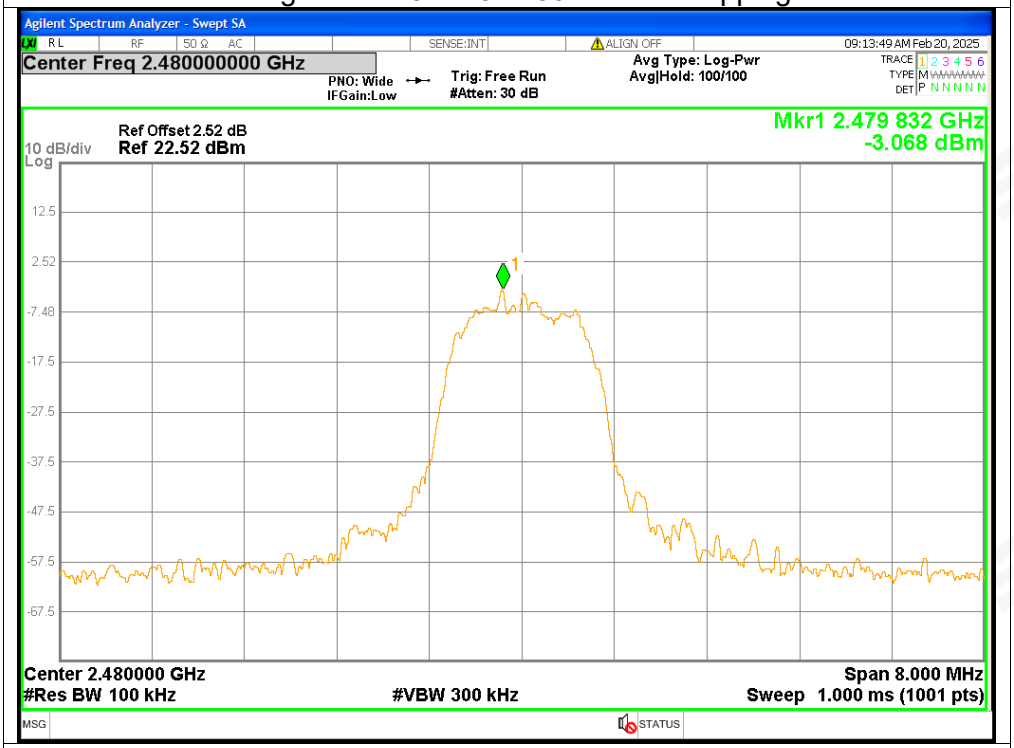
Band Edge NVNT 3-DH5 2402MHz No-Hopping Ref



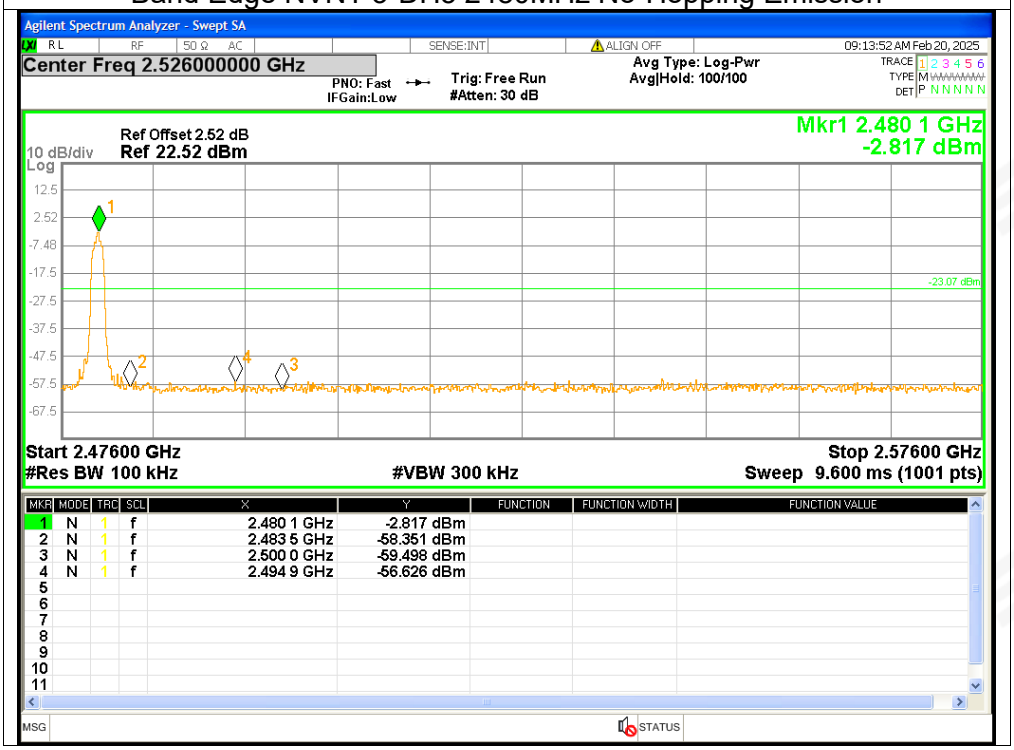
Band Edge NVNT 3-DH5 2402MHz No-Hopping Emission



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



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

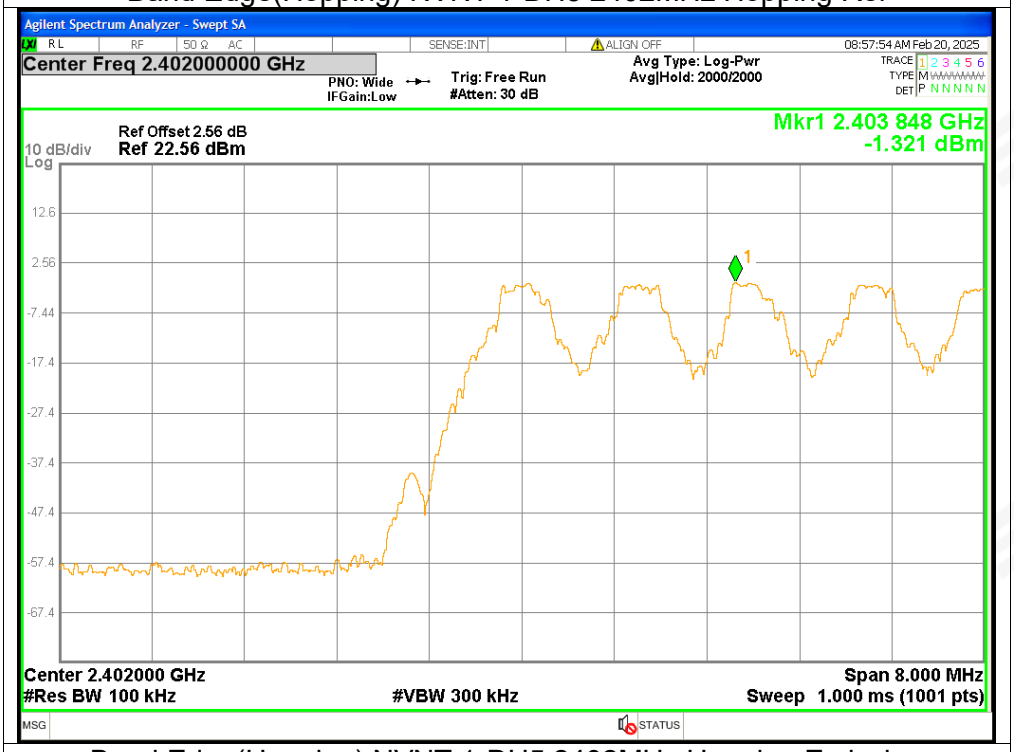


7. Band Edge(Hopping)

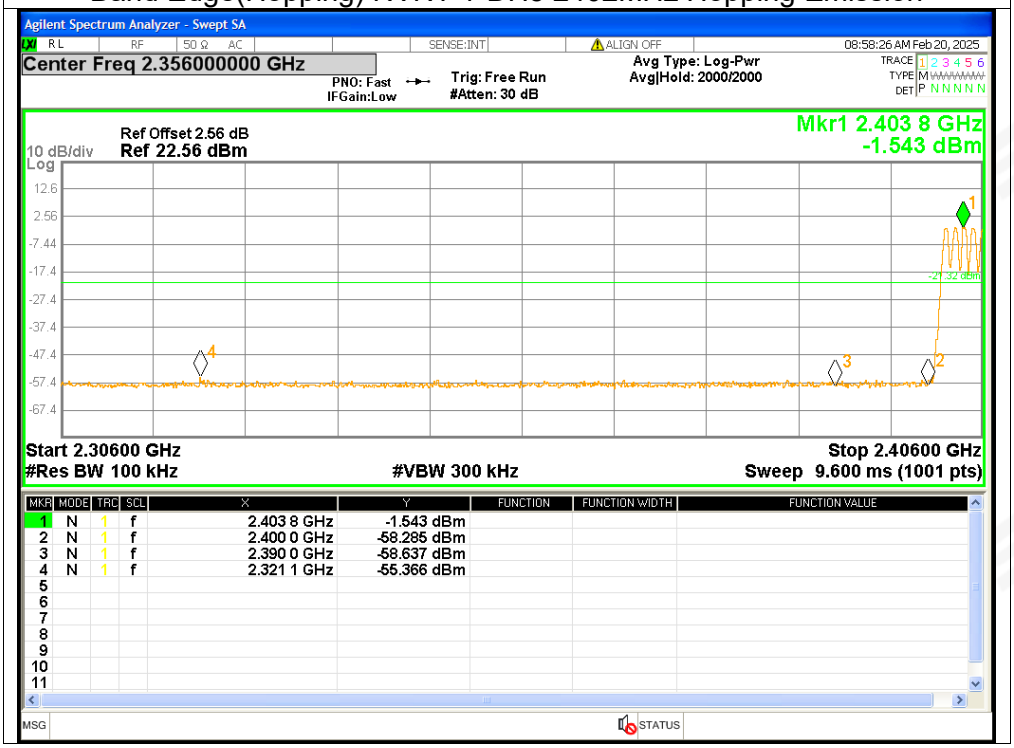
Condition	Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Hopping	-54.04	<=-20	Pass
NVNT	1-DH5	2480	Hopping	-54.19	<=-20	Pass
NVNT	2-DH5	2402	Hopping	-54.38	<=-20	Pass
NVNT	2-DH5	2480	Hopping	-53.33	<=-20	Pass
NVNT	3-DH5	2402	Hopping	-55.33	<=-20	Pass
NVNT	3-DH5	2480	Hopping	-54.31	<=-20	Pass

Test Graphs

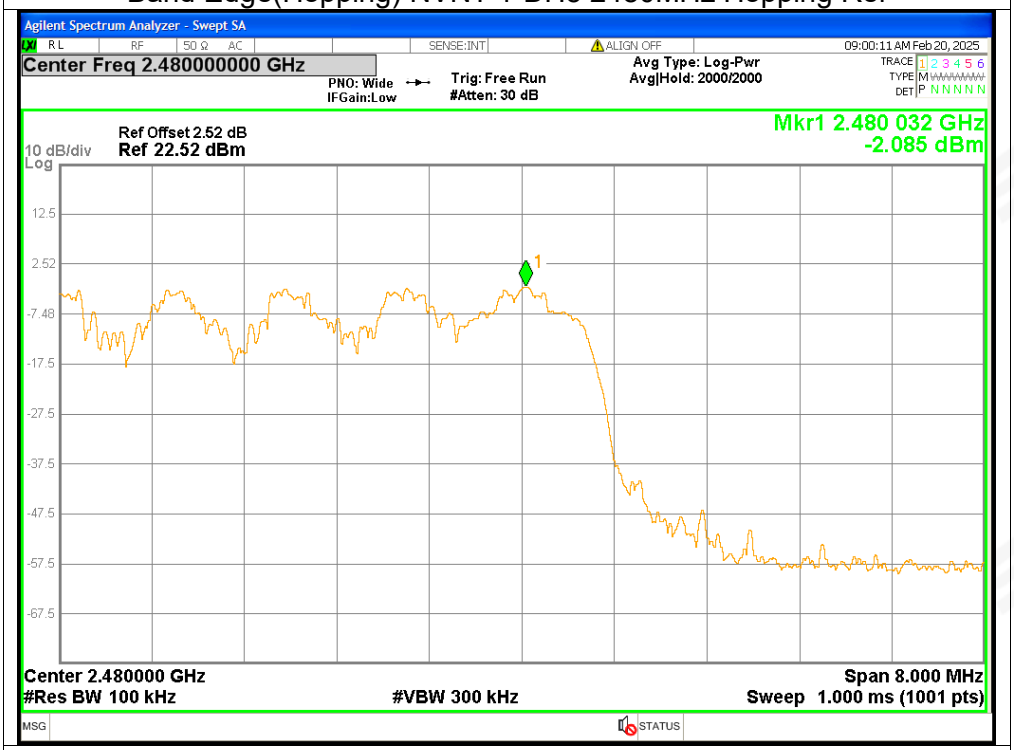
Band Edge(Hopping) NVNT 1-DH5 2402MHz Hopping Ref



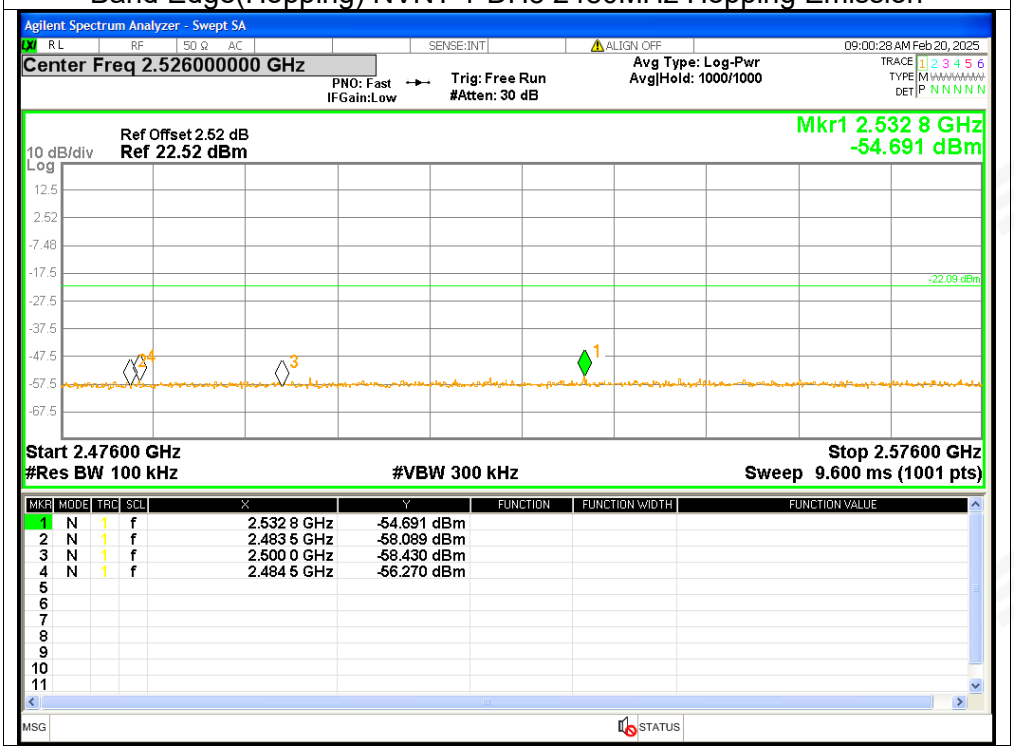
Band Edge(Hopping) NVNT 1-DH5 2402MHz Hopping Emission



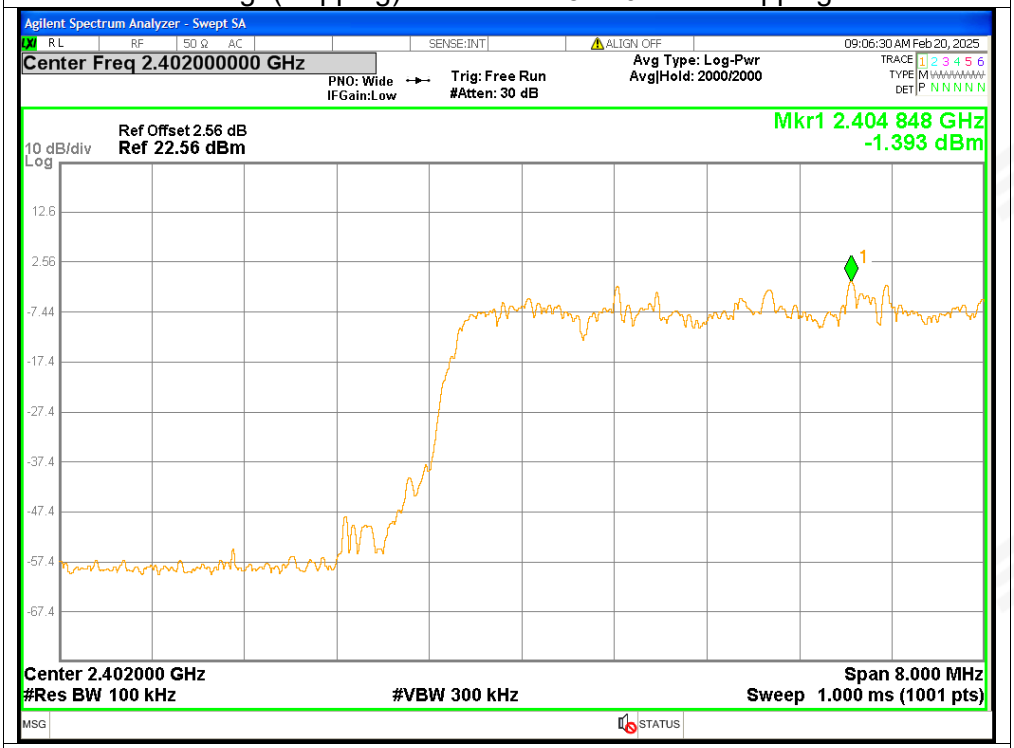
Band Edge(Hopping) NVNT 1-DH5 2480MHz Hopping Ref



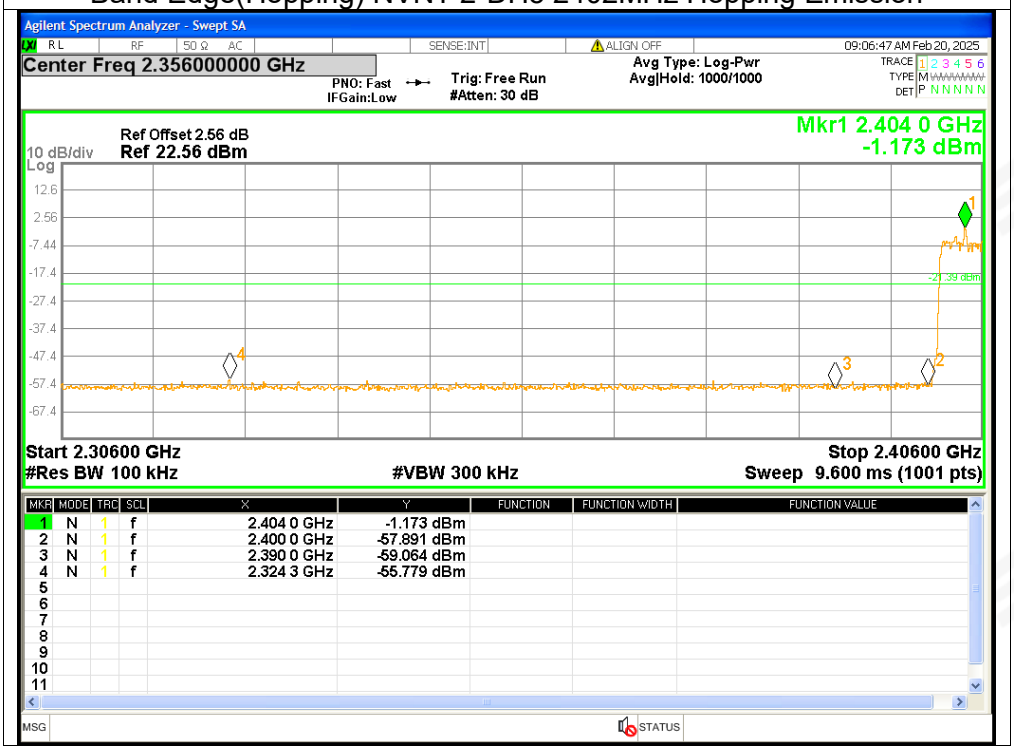
Band Edge(Hopping) NVNT 1-DH5 2480MHz Hopping Emission



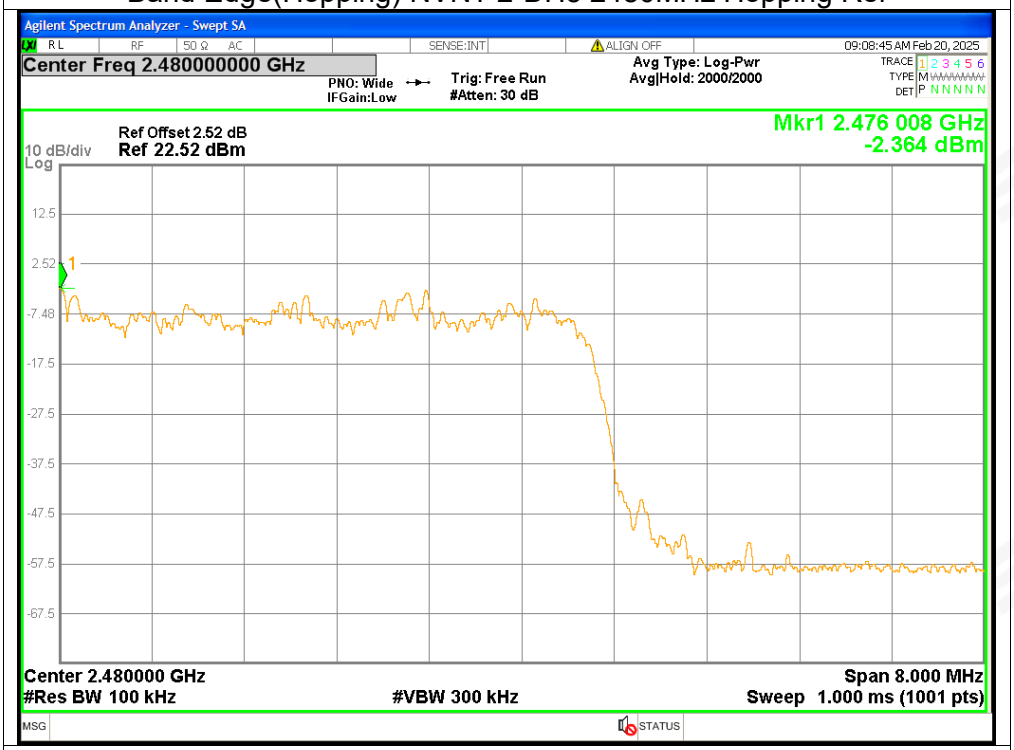
Band Edge(Hopping) NVNT 2-DH5 2402MHz Hopping Ref



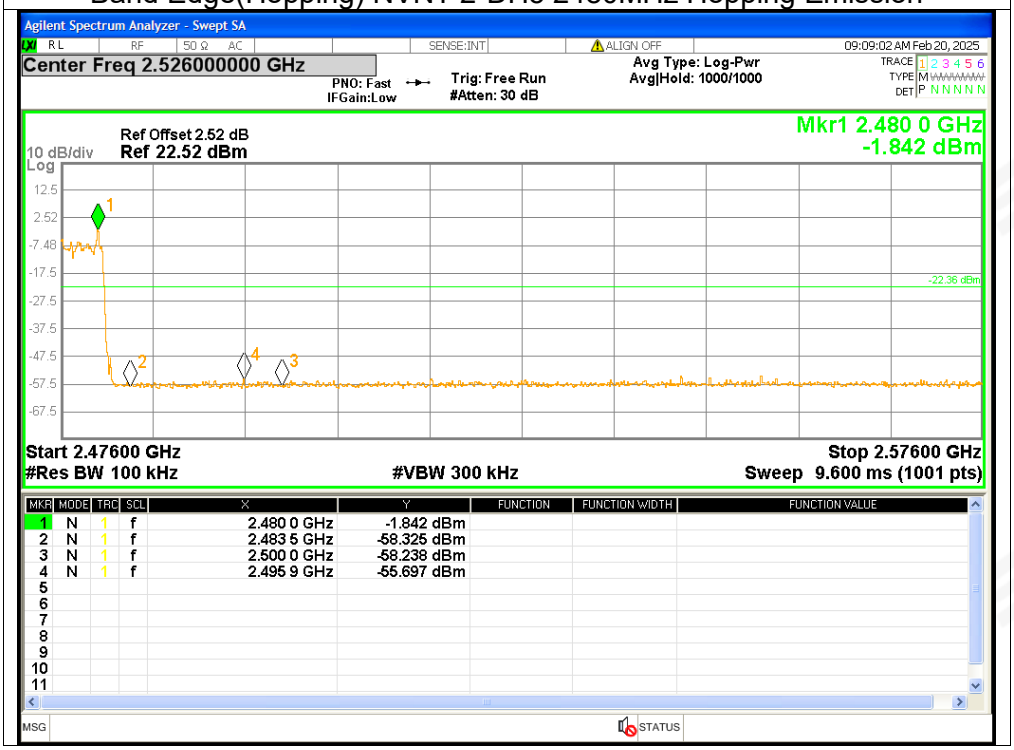
Band Edge(Hopping) NVNT 2-DH5 2402MHz Hopping Emission



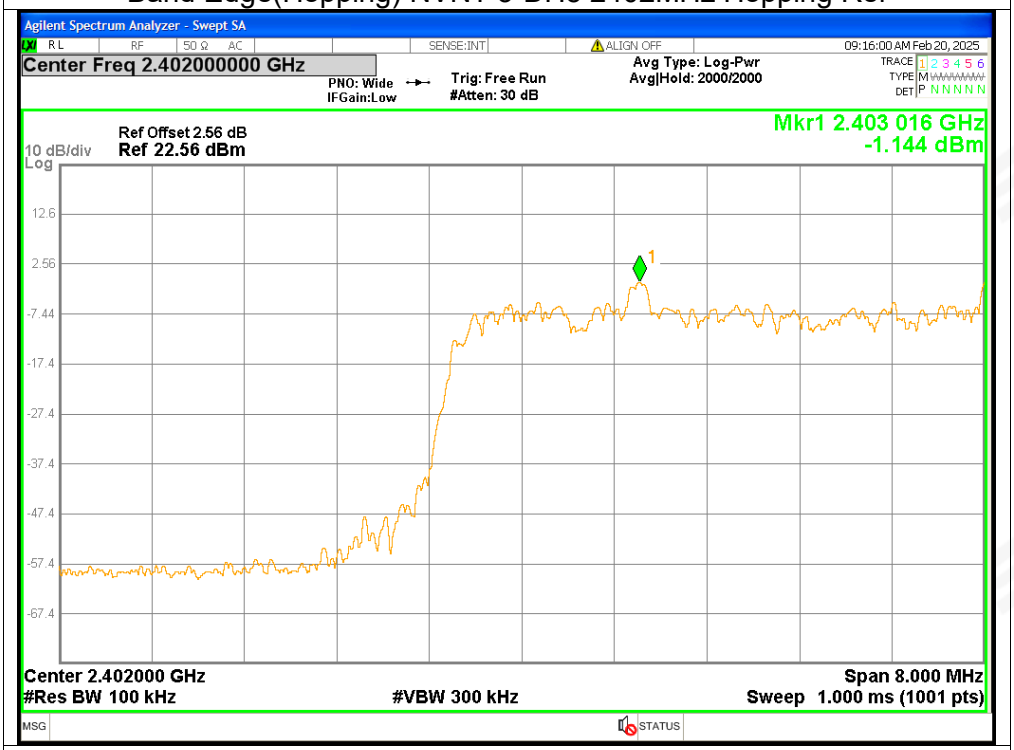
Band Edge(Hopping) NVNT 2-DH5 2480MHz Hopping Ref



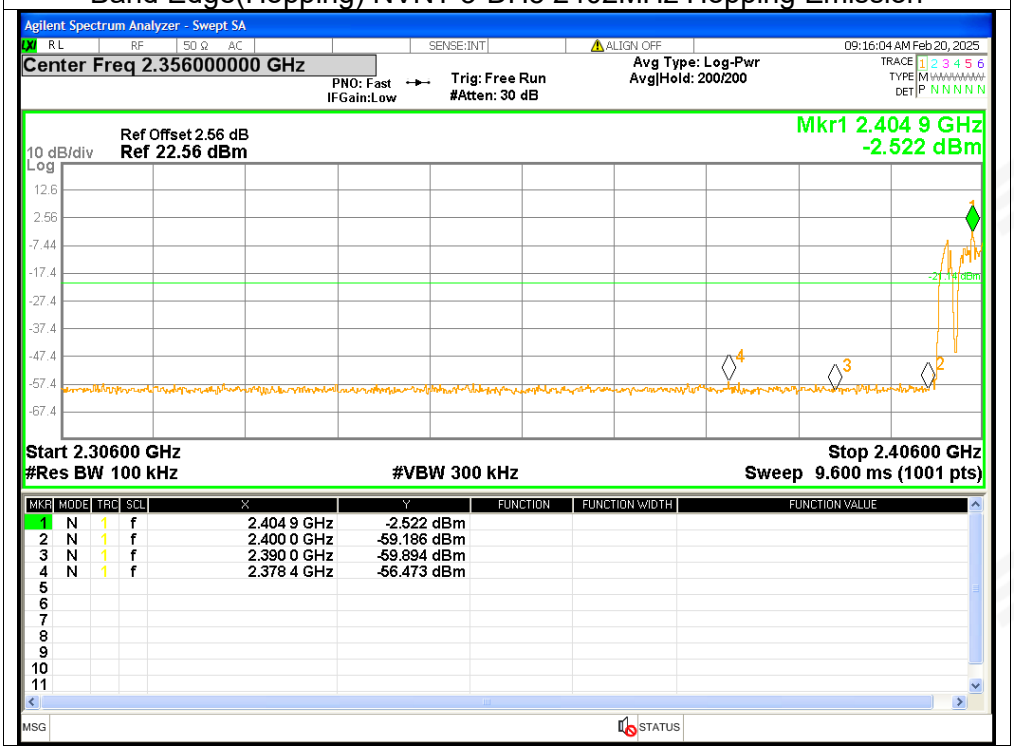
Band Edge(Hopping) NVNT 2-DH5 2480MHz Hopping Emission



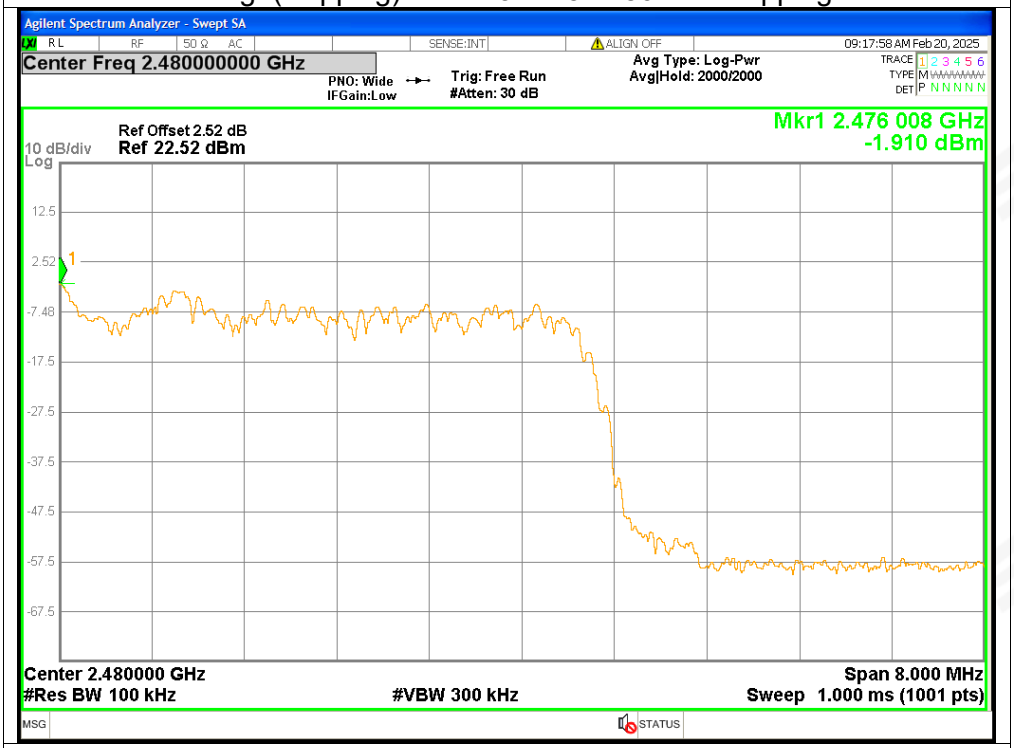
Band Edge(Hopping) NVNT 3-DH5 2402MHz Hopping Ref



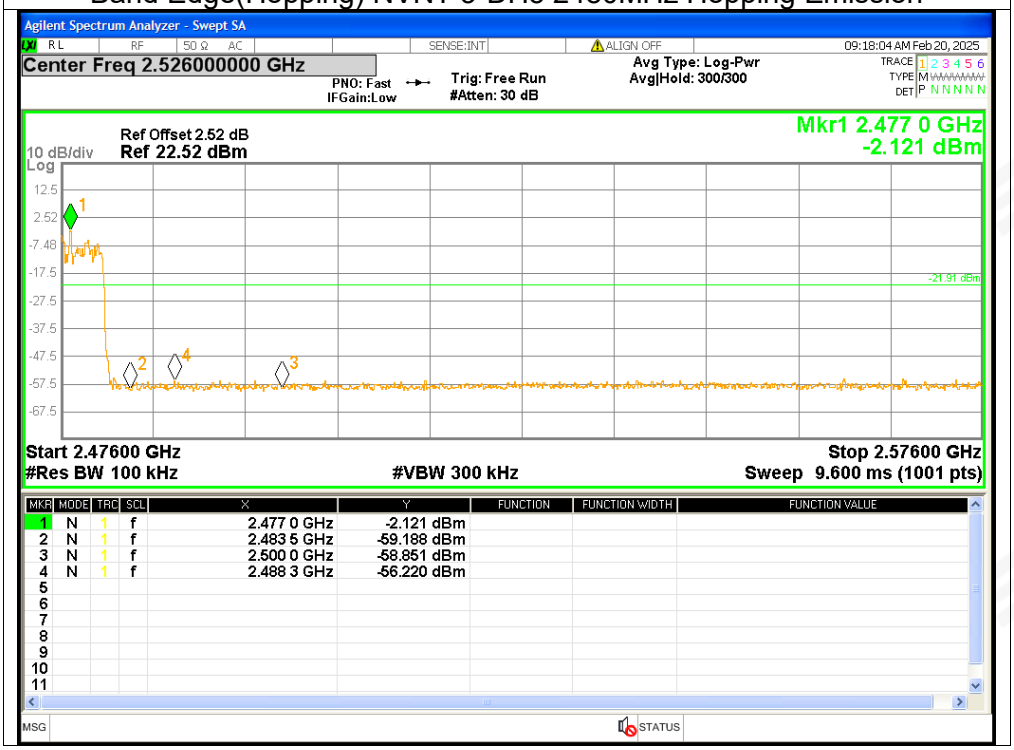
Band Edge(Hopping) NVNT 3-DH5 2402MHz Hopping Emission



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



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

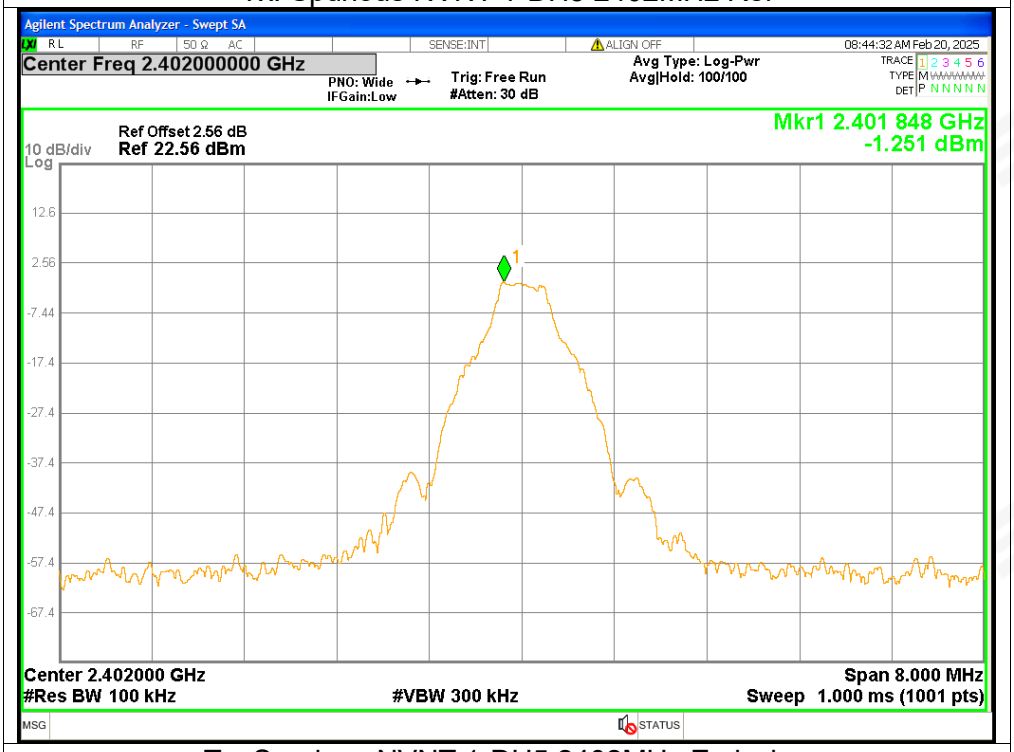


8. Conducted RF Spurious Emission

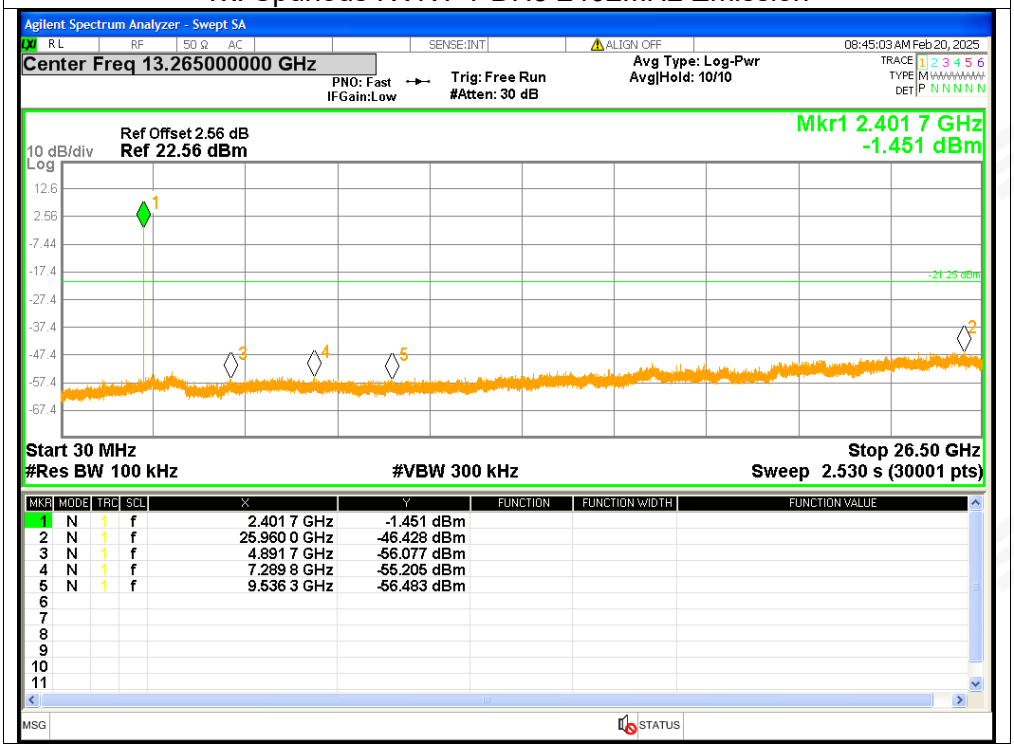
Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	-45.17	<=-20	Pass
NVNT	1-DH5	2441	-44.55	<=-20	Pass
NVNT	1-DH5	2480	-43.96	<=-20	Pass
NVNT	2-DH5	2402	-45.14	<=-20	Pass
NVNT	2-DH5	2441	-43.09	<=-20	Pass
NVNT	2-DH5	2480	-44.43	<=-20	Pass
NVNT	3-DH5	2402	-45.02	<=-20	Pass
NVNT	3-DH5	2441	-44.66	<=-20	Pass
NVNT	3-DH5	2480	-42.53	<=-20	Pass

Test Graphs

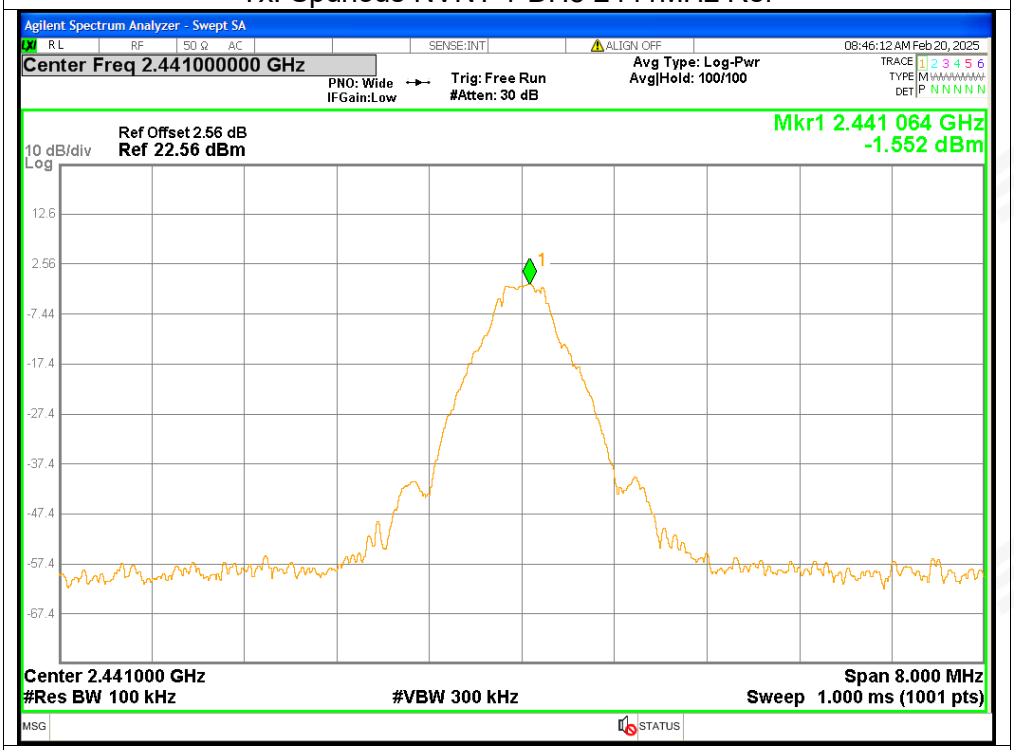
Tx. Spurious NVNT 1-DH5 2402MHz Ref



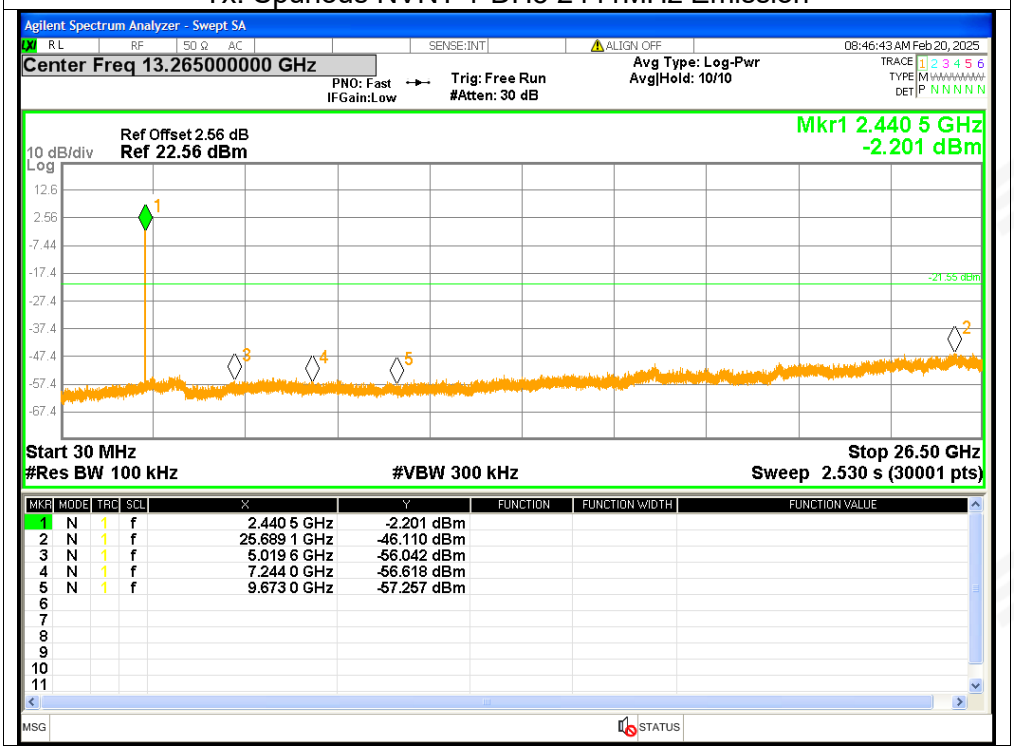
Tx. Spurious NVNT 1-DH5 2402MHz Emission



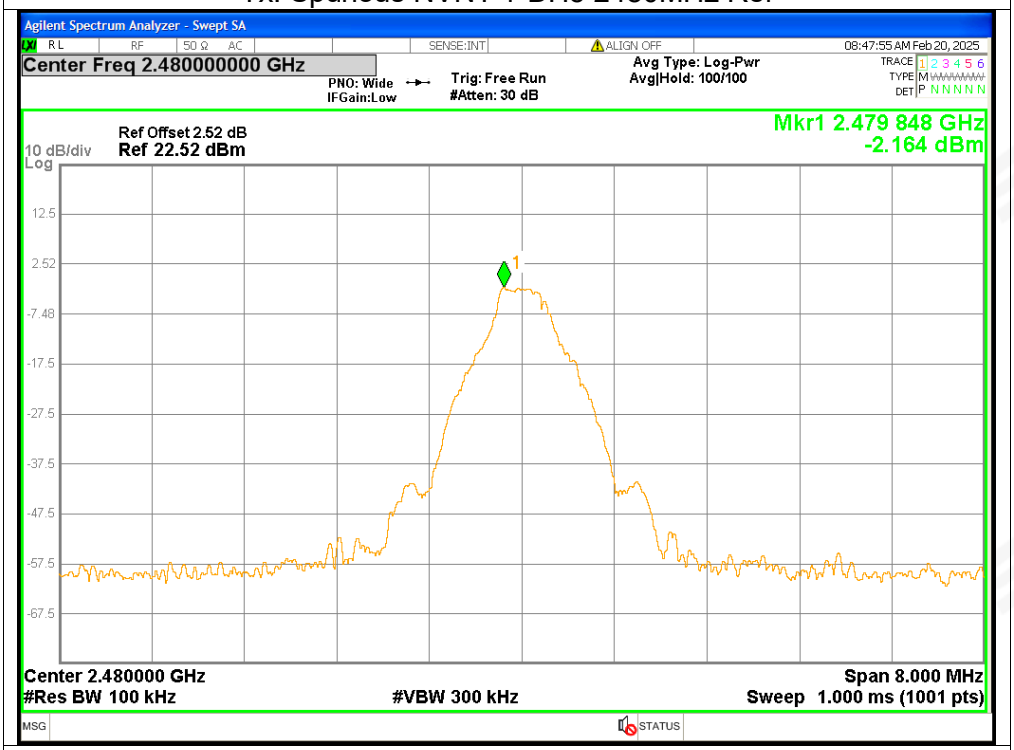
Tx. Spurious NVNT 1-DH5 2441MHz Ref



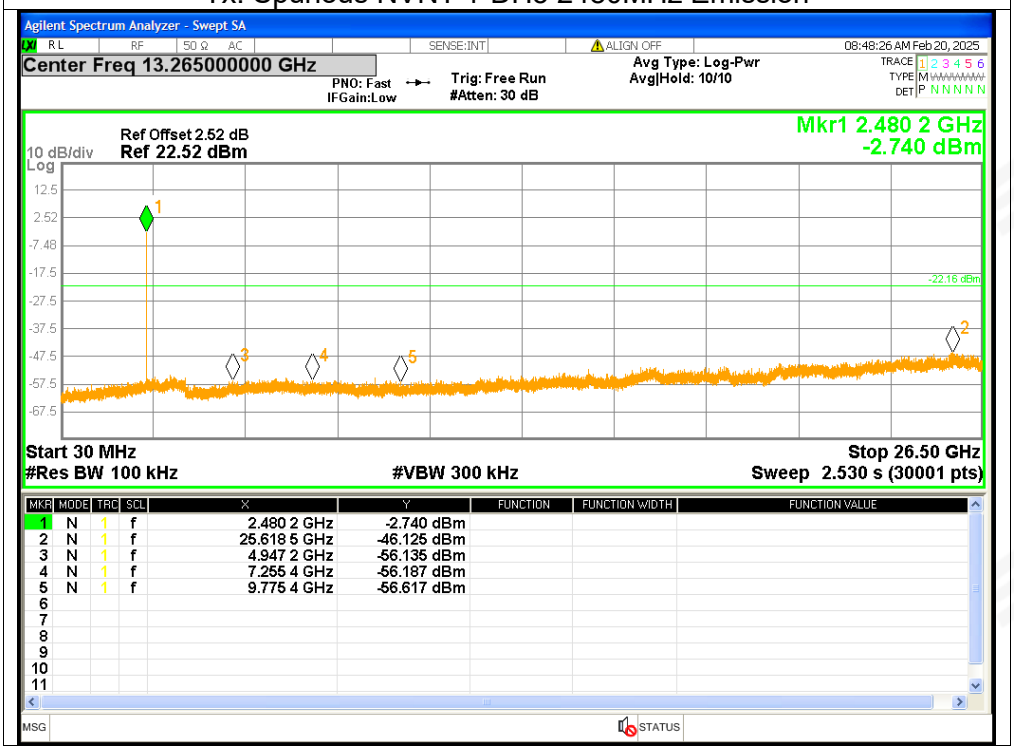
Tx. Spurious NVNT 1-DH5 2441MHz Emission



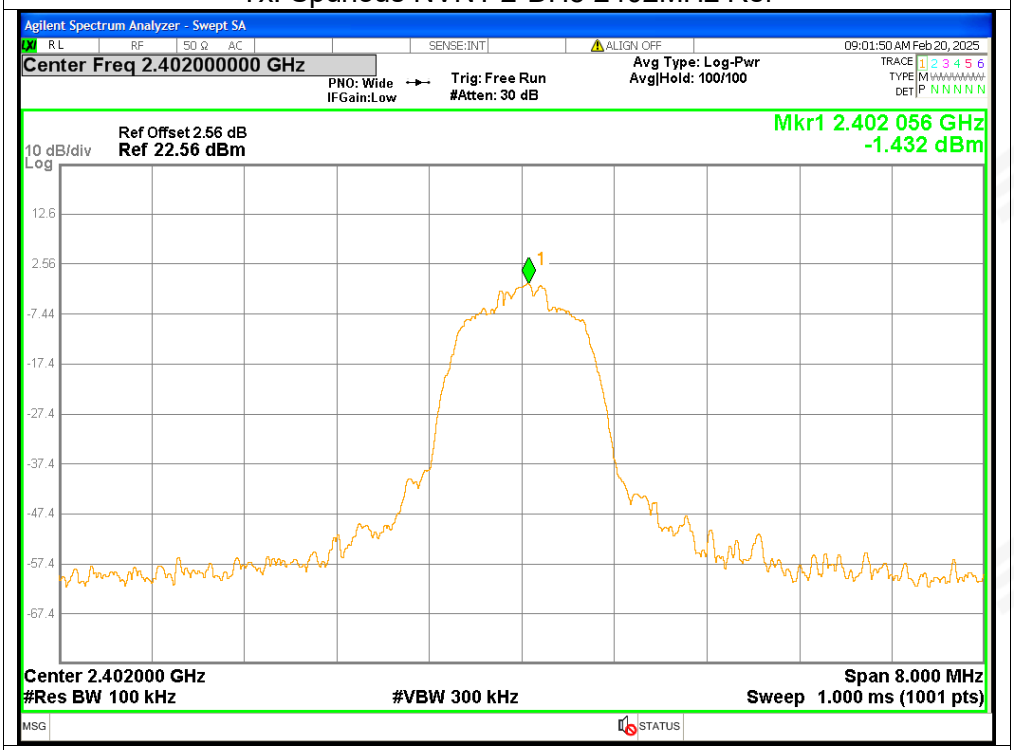
Tx. Spurious NVNT 1-DH5 2480MHz Ref



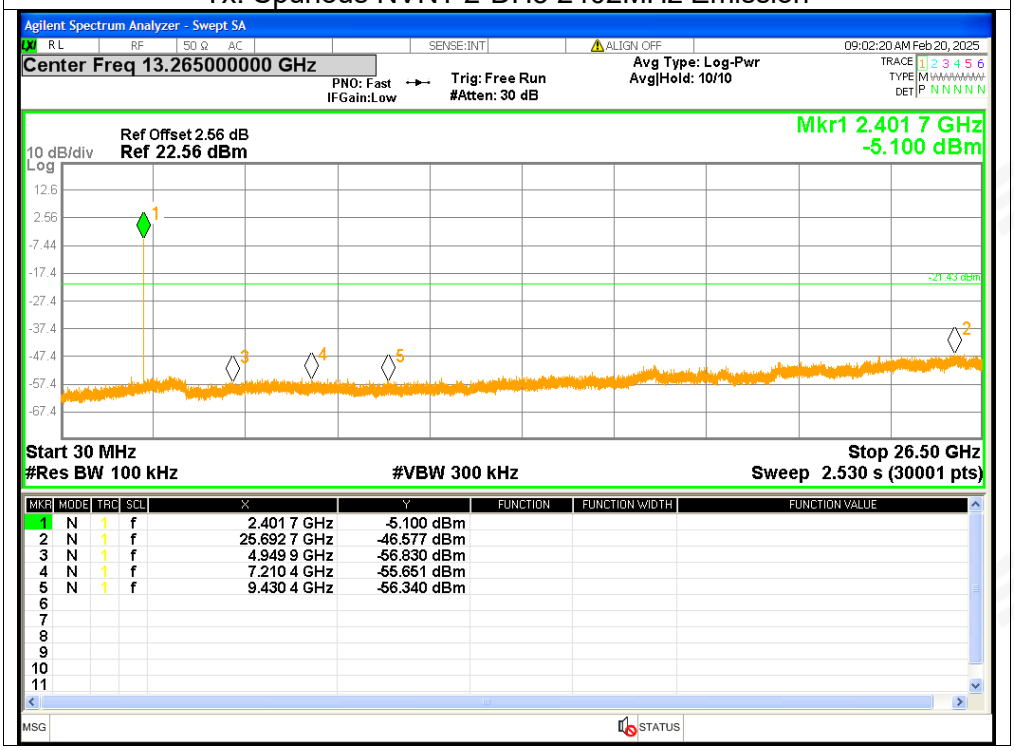
Tx. Spurious NVNT 1-DH5 2480MHz Emission



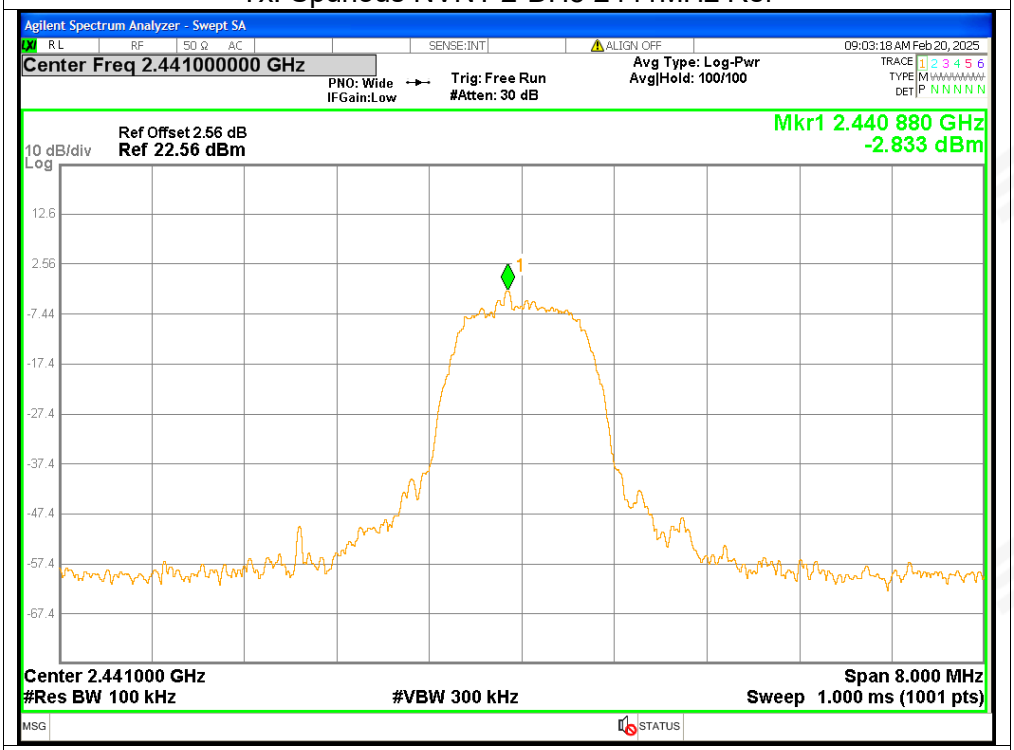
Tx. Spurious NVNT 2-DH5 2402MHz Ref



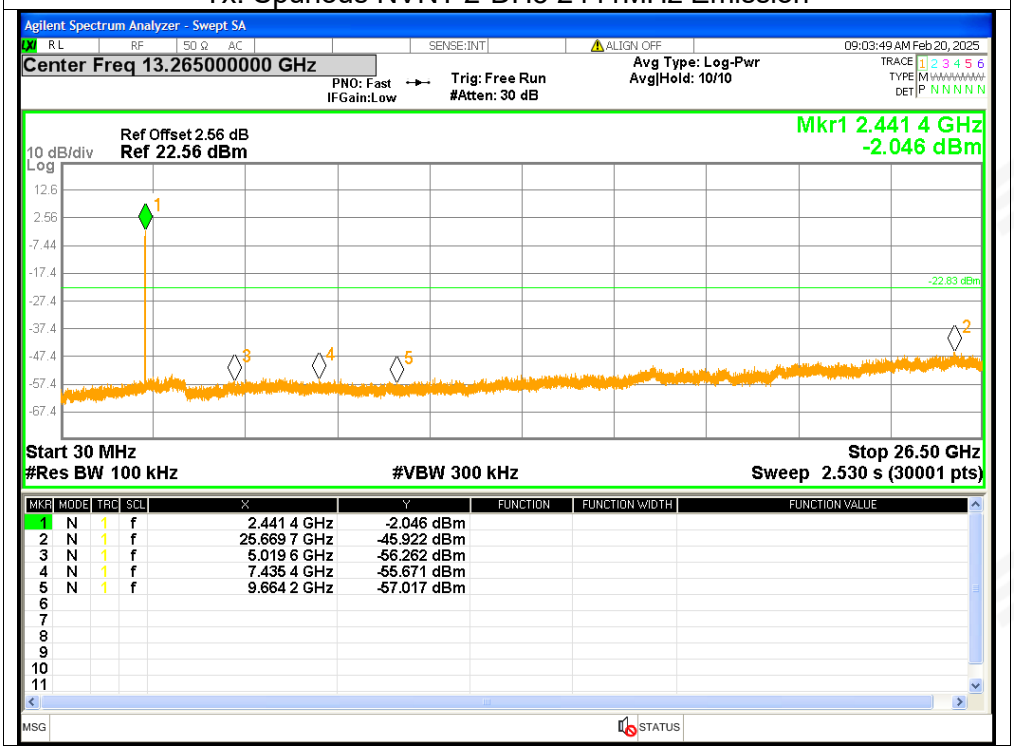
Tx. Spurious NVNT 2-DH5 2402MHz Emission



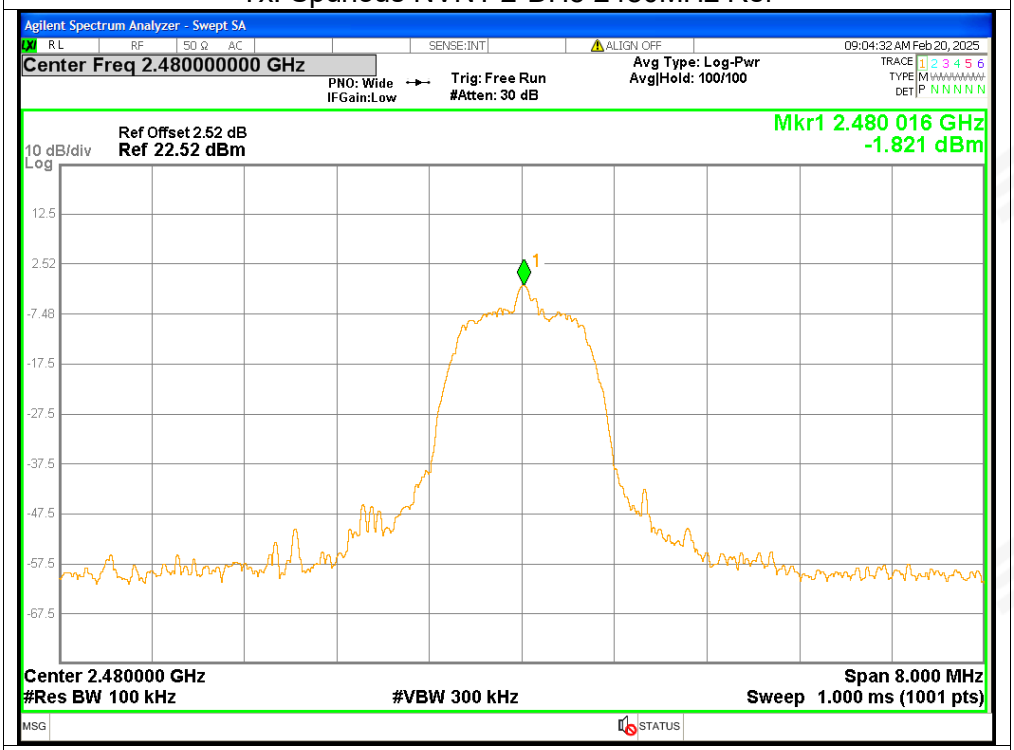
Tx. Spurious NVNT 2-DH5 2441MHz Ref



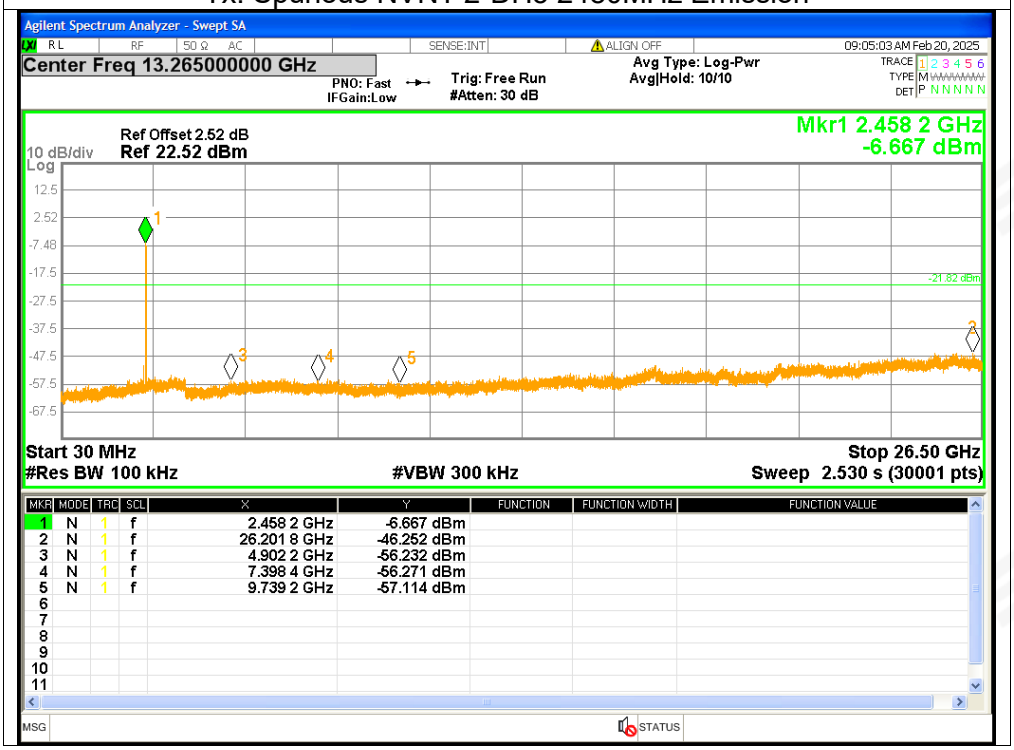
Tx. Spurious NVNT 2-DH5 2441MHz Emission



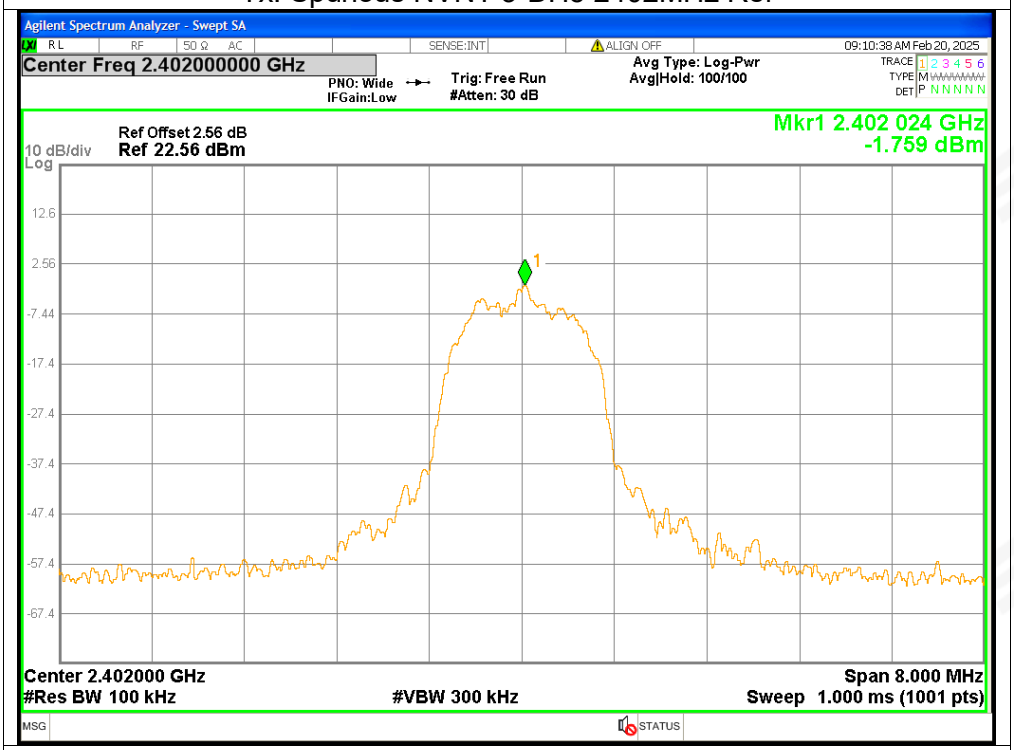
Tx. Spurious NVNT 2-DH5 2480MHz Ref



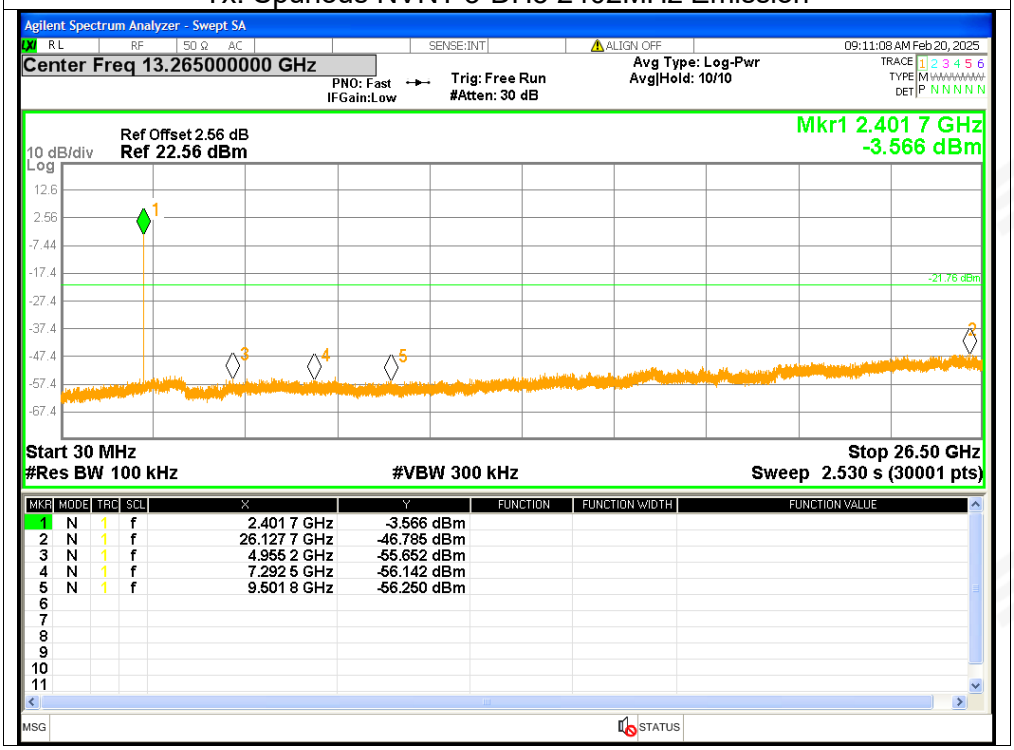
Tx. Spurious NVNT 2-DH5 2480MHz Emission



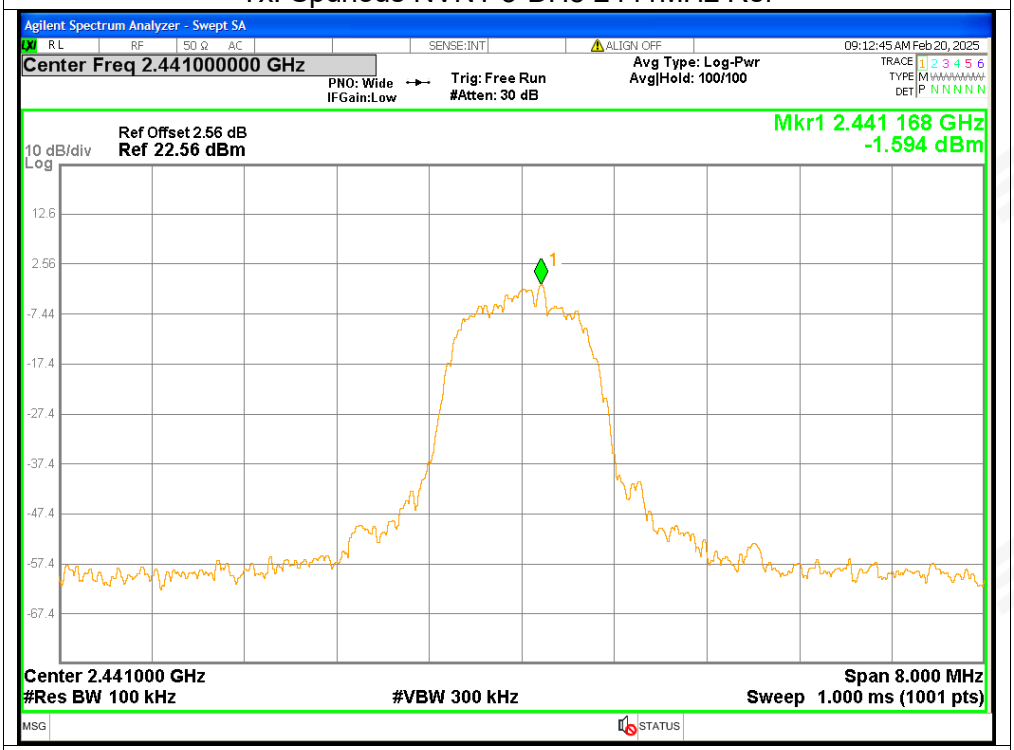
Tx. Spurious NVNT 3-DH5 2402MHz Ref



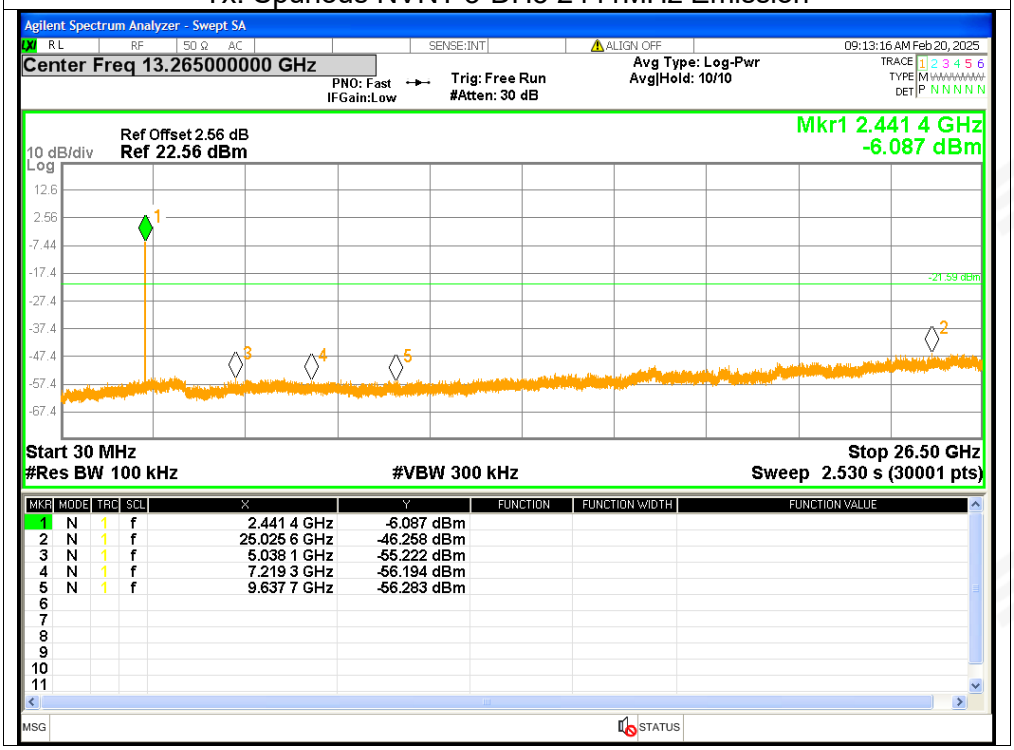
Tx. Spurious NVNT 3-DH5 2402MHz Emission



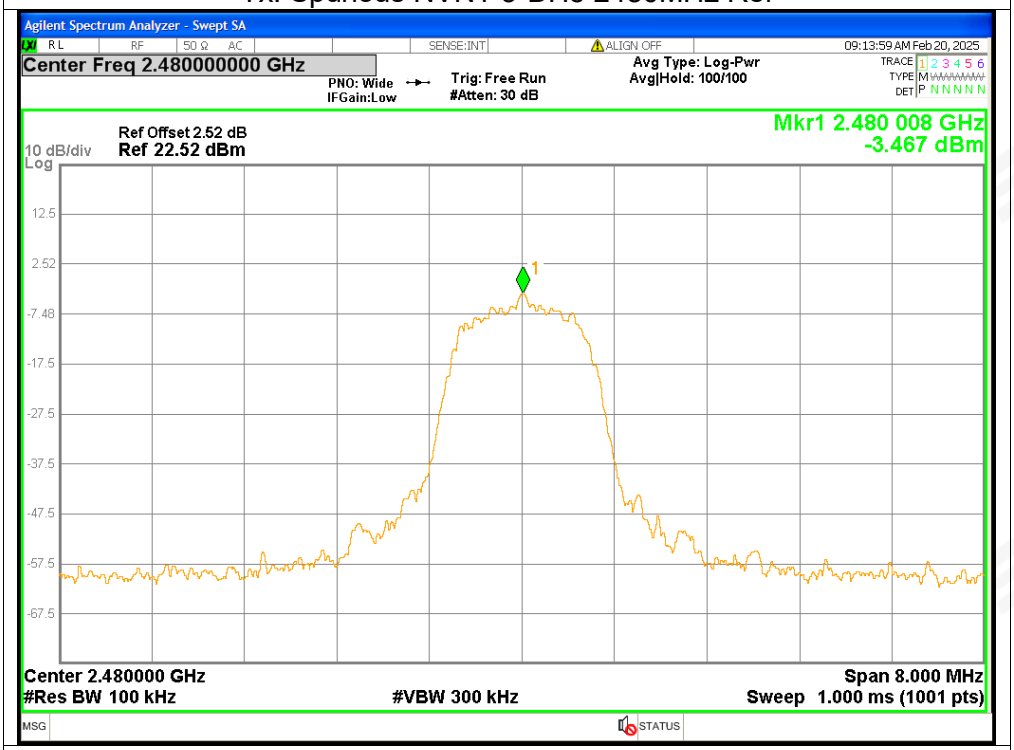
Tx. Spurious NVNT 3-DH5 2441MHz Ref



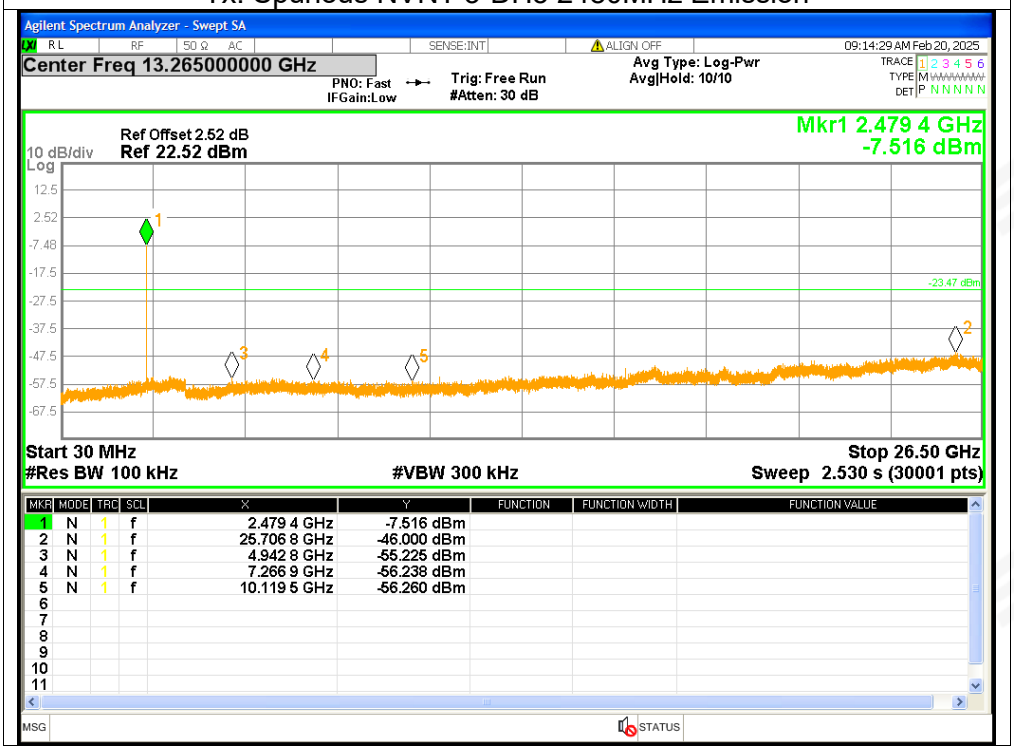
Tx. Spurious NVNT 3-DH5 2441MHz Emission



Tx. Spurious NVNT 3-DH5 2480MHz Ref



Tx. Spurious NVNT 3-DH5 2480MHz Emission



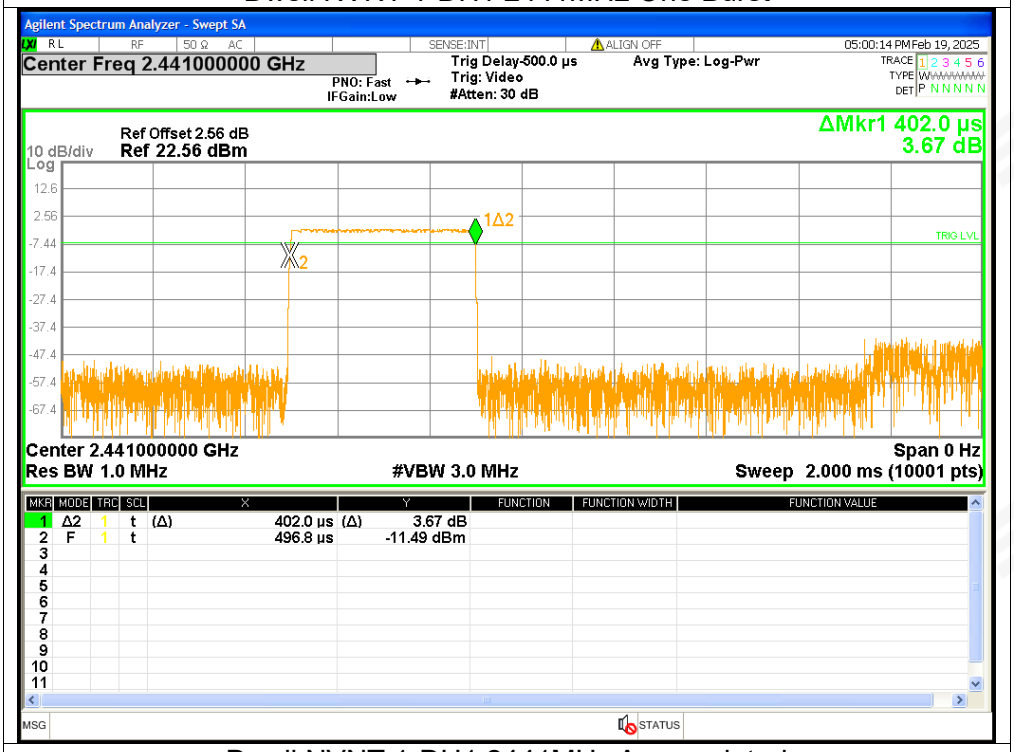
Left

1. Dwell Time

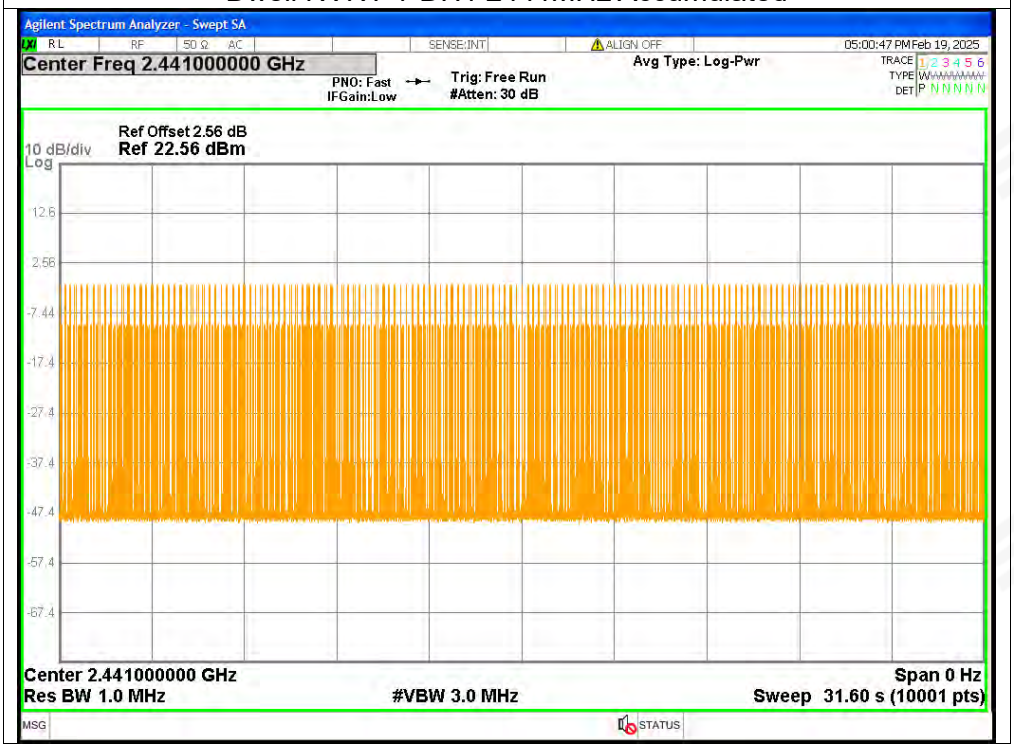
Condition	Mode	Frequency (MHz)	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	0.402	126.228	314	31600	<=400	Pass
NVNT	1-DH3	2441	1.656	251.712	152	31600	<=400	Pass
NVNT	1-DH5	2441	2.907	322.677	111	31600	<=400	Pass
NVNT	2-DH1	2441	0.412	117.008	284	31600	<=400	Pass
NVNT	2-DH3	2441	1.664	272.896	164	31600	<=400	Pass
NVNT	2-DH5	2441	2.912	314.496	108	31600	<=400	Pass
NVNT	3-DH1	2441	0.414	130.824	316	31600	<=400	Pass
NVNT	3-DH3	2441	1.664	254.592	153	31600	<=400	Pass
NVNT	3-DH5	2441	2.915	320.65	110	31600	<=400	Pass

Test Graphs

Dwell NVNT 1-DH1 2441MHz One Burst

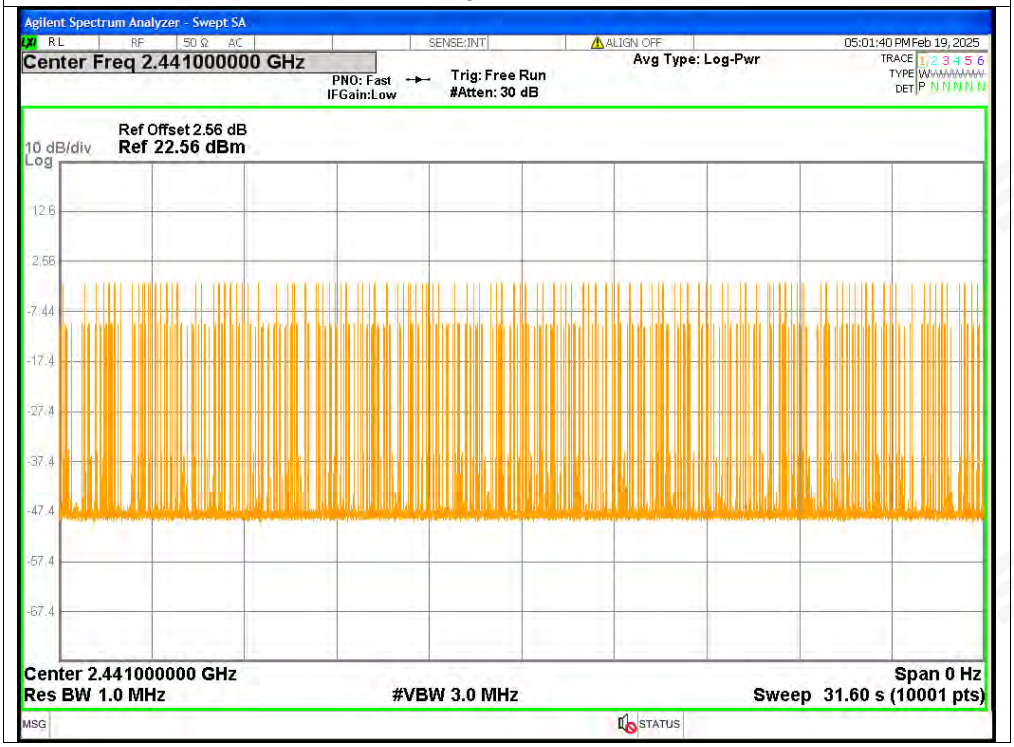


Dwell NVNT 1-DH1 2441MHz Accumulated



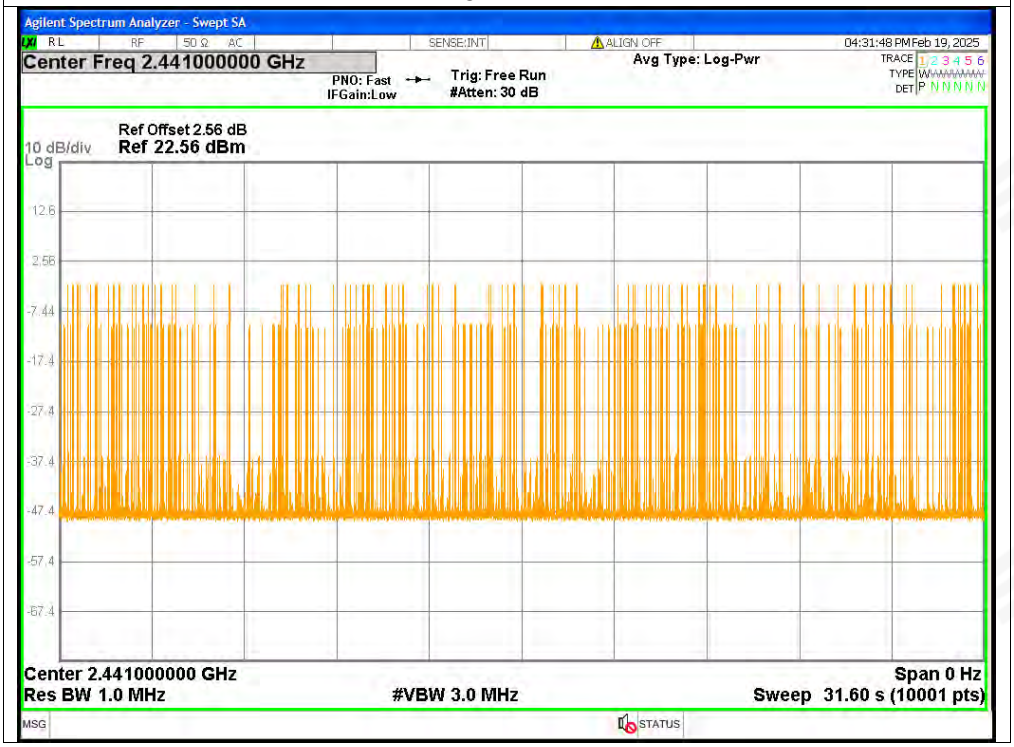
Dwell NVNT 1-DH3 2441MHz One Burst

Dwell NVNT 1-DH3 2441MHz Accumulated



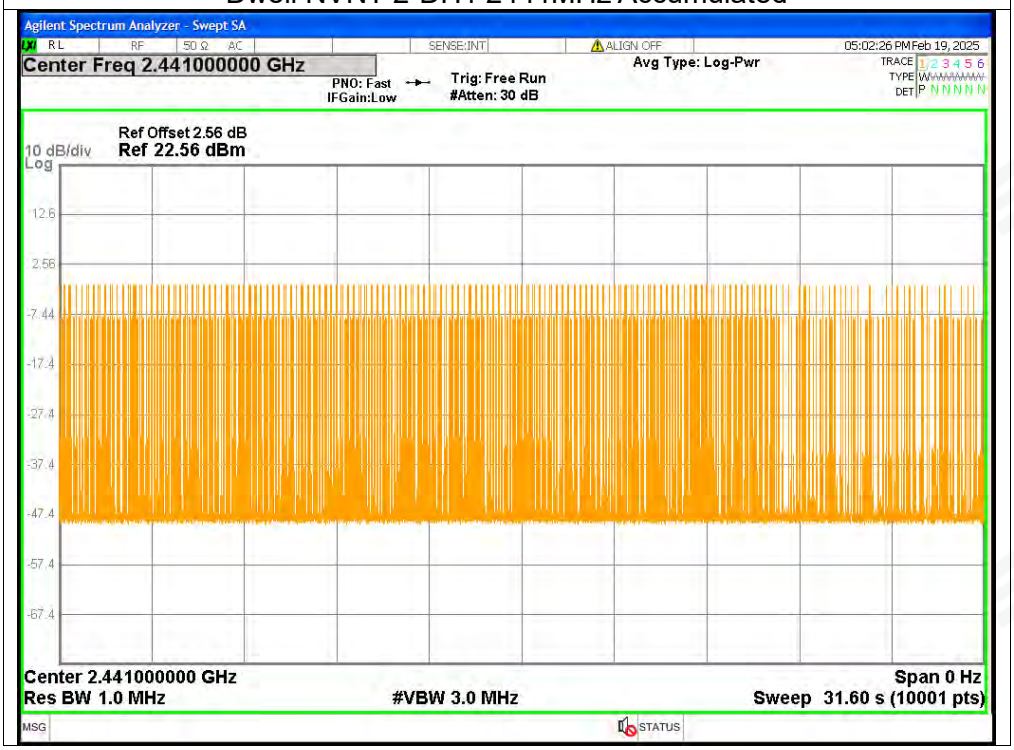
Dwell NVNT 1-DH5 2441MHz One Burst

Dwell NVNT 1-DH5 2441MHz Accumulated



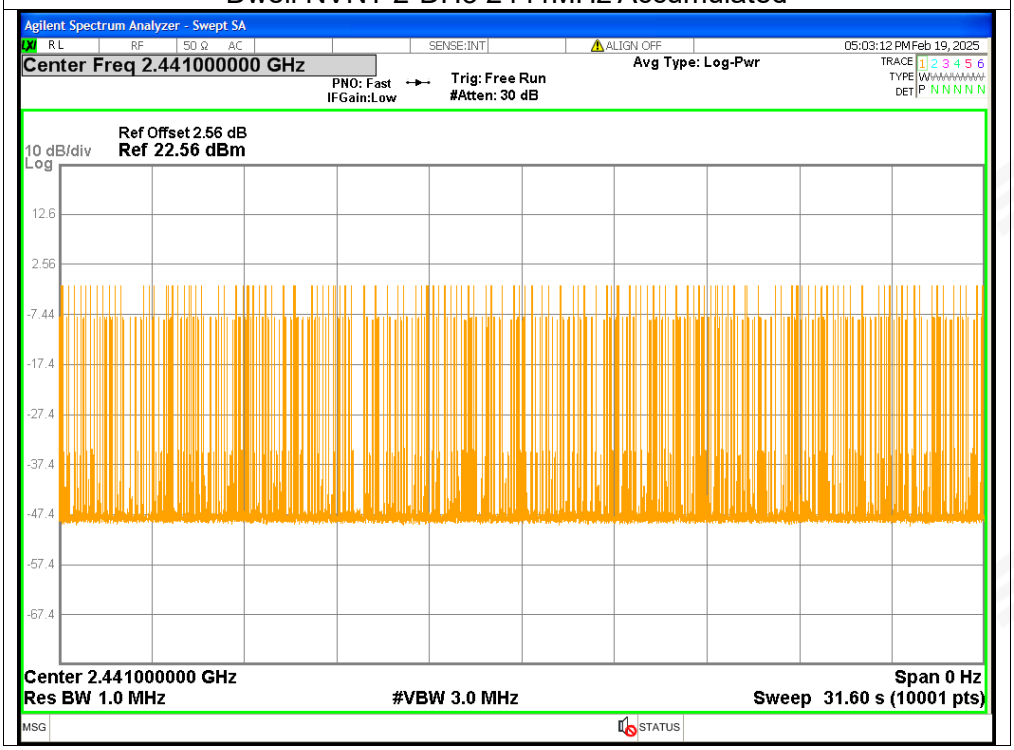
Dwell NVNT 2-DH1 2441MHz One Burst

Dwell NVNT 2-DH1 2441MHz Accumulated



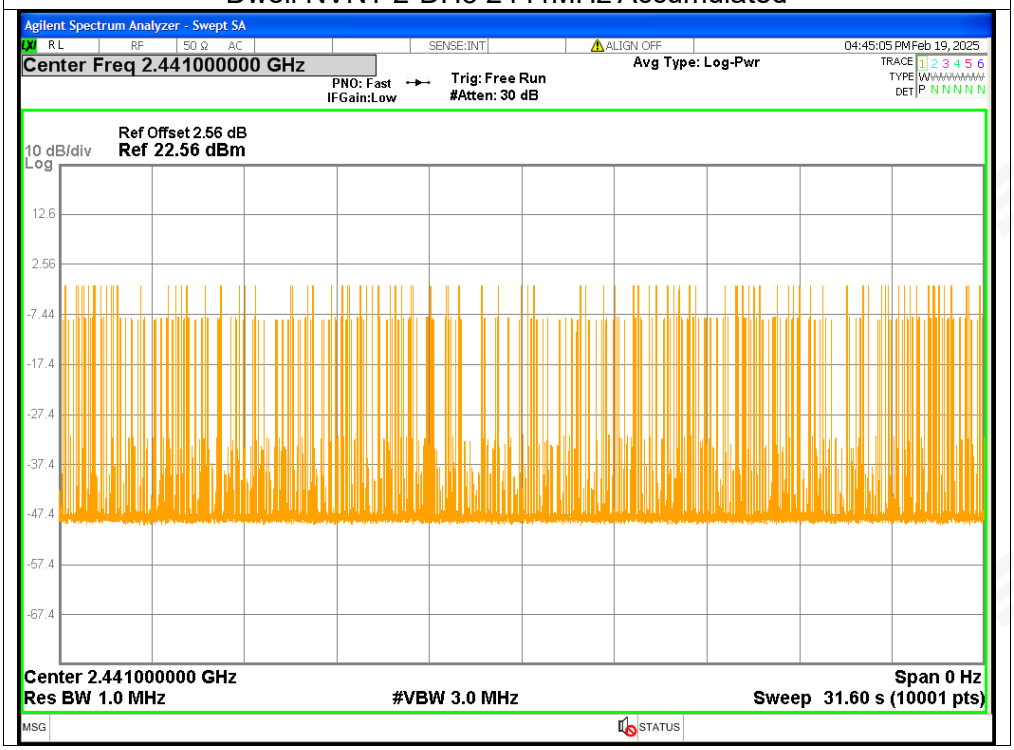
Dwell NVNT 2-DH3 2441MHz One Burst

Dwell NVNT 2-DH3 2441MHz Accumulated



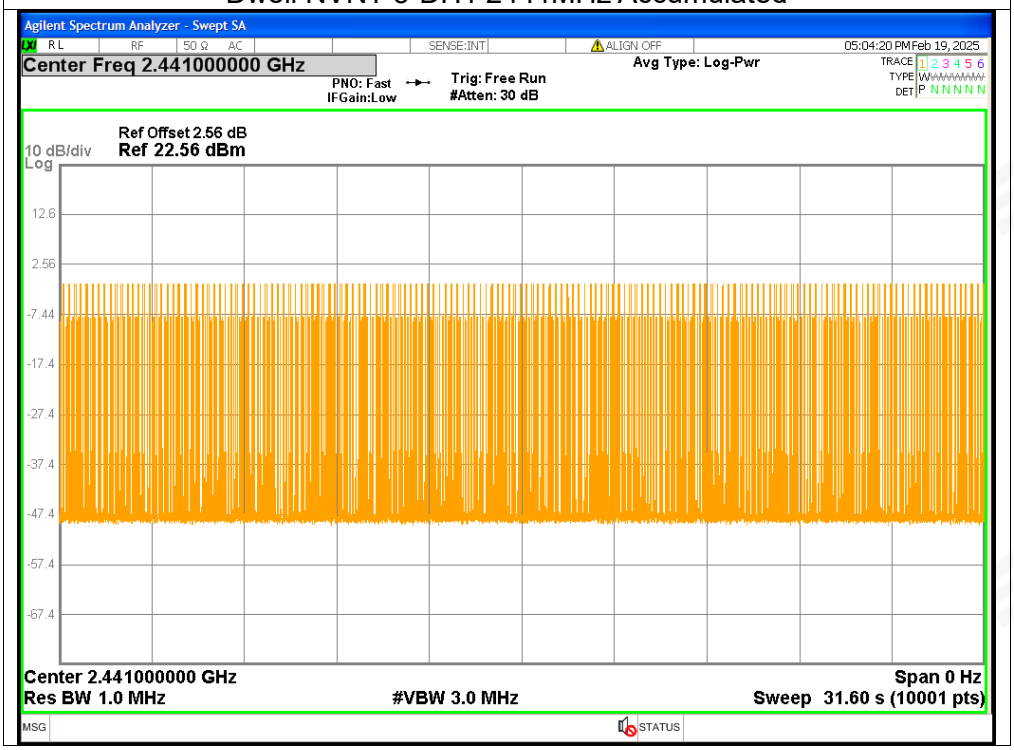
Dwell NVNT 2-DH5 2441MHz One Burst

Dwell NVNT 2-DH5 2441MHz Accumulated



Dwell NVNT 3-DH1 2441MHz One Burst

Dwell NVNT 3-DH1 2441MHz Accumulated



Dwell NVNT 3-DH3 2441MHz One Burst

Dwell NVNT 3-DH3 2441MHz Accumulated

Dwell NVNT 3-DH5 2441MHz One Burst

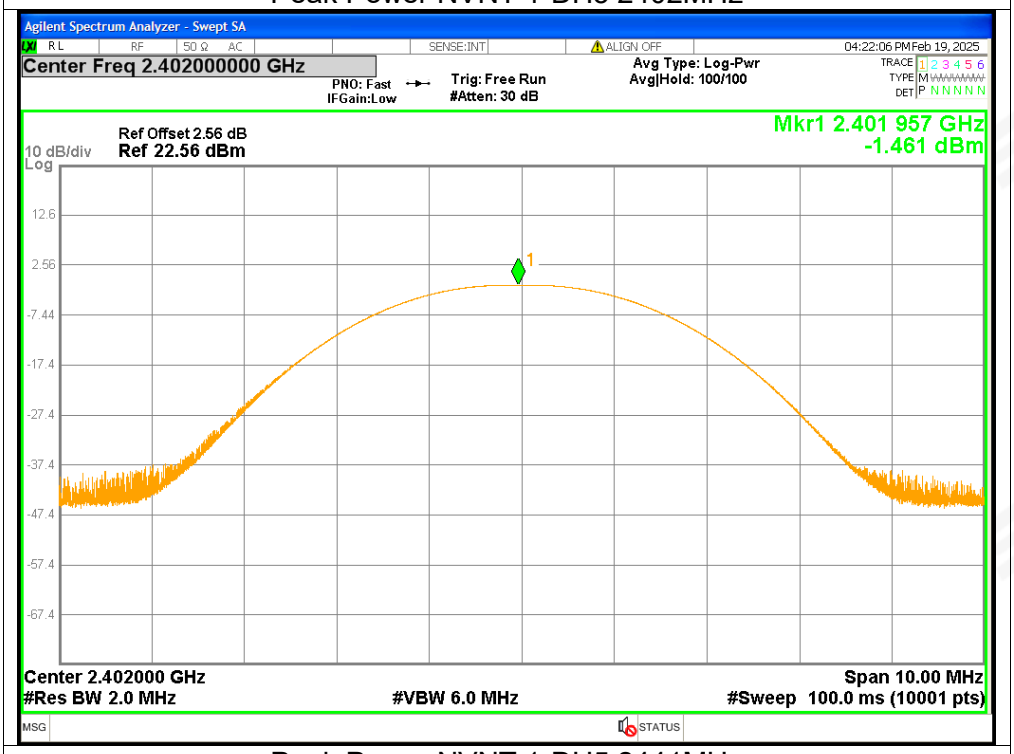
Dwell NVNT 3-DH5 2441MHz Accumulated

2. Maximum Peak Conducted Output Power

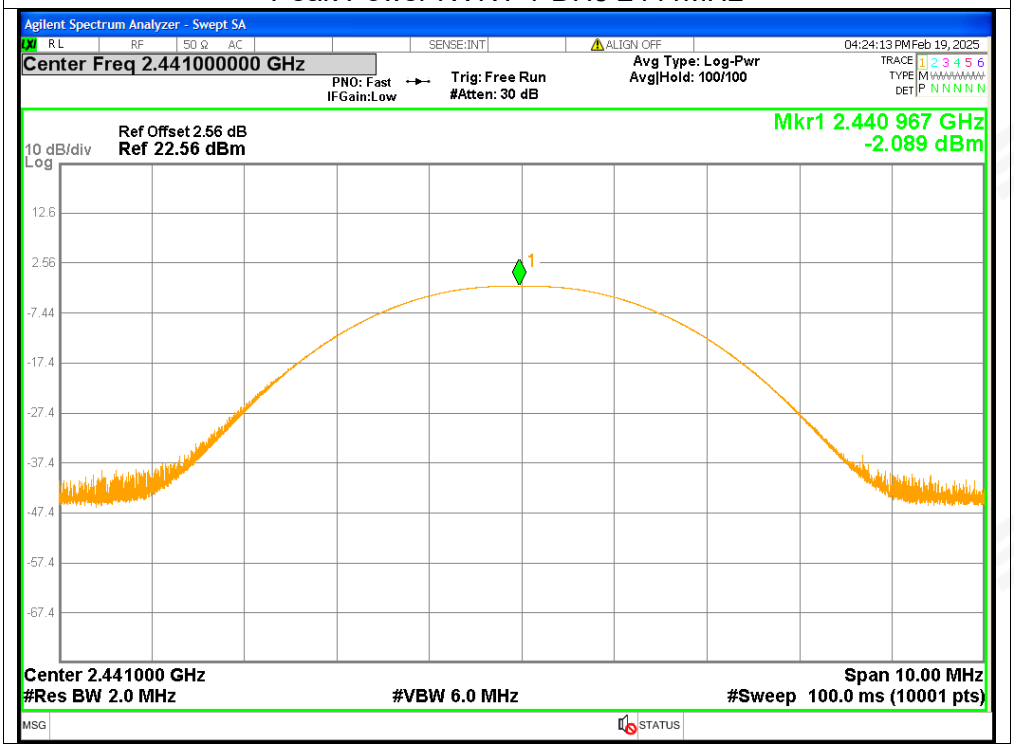
Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	-1.46	<=21	Pass
NVNT	1-DH5	2441	-2.09	<=21	Pass
NVNT	1-DH5	2480	-2.83	<=21	Pass
NVNT	2-DH5	2402	-0.7	<=21	Pass
NVNT	2-DH5	2441	-1.35	<=21	Pass
NVNT	2-DH5	2480	-2.11	<=21	Pass
NVNT	3-DH5	2402	-0.32	<=21	Pass
NVNT	3-DH5	2441	-0.94	<=21	Pass
NVNT	3-DH5	2480	-1.85	<=21	Pass

Test Graphs

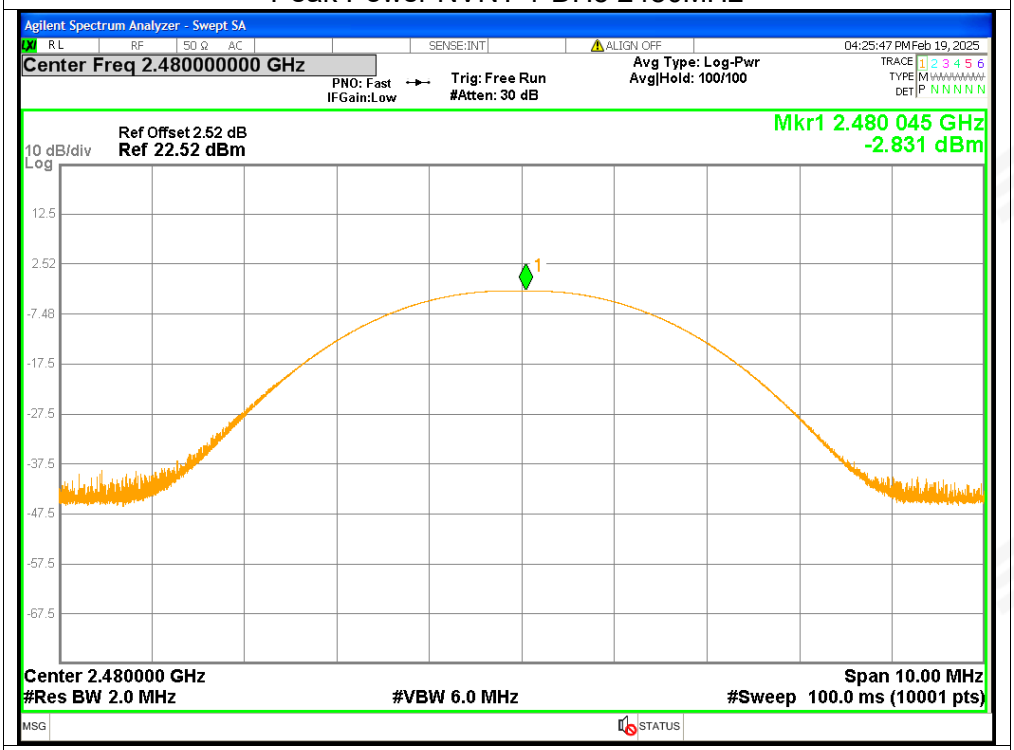
Peak Power NVNT 1-DH5 2402MHz



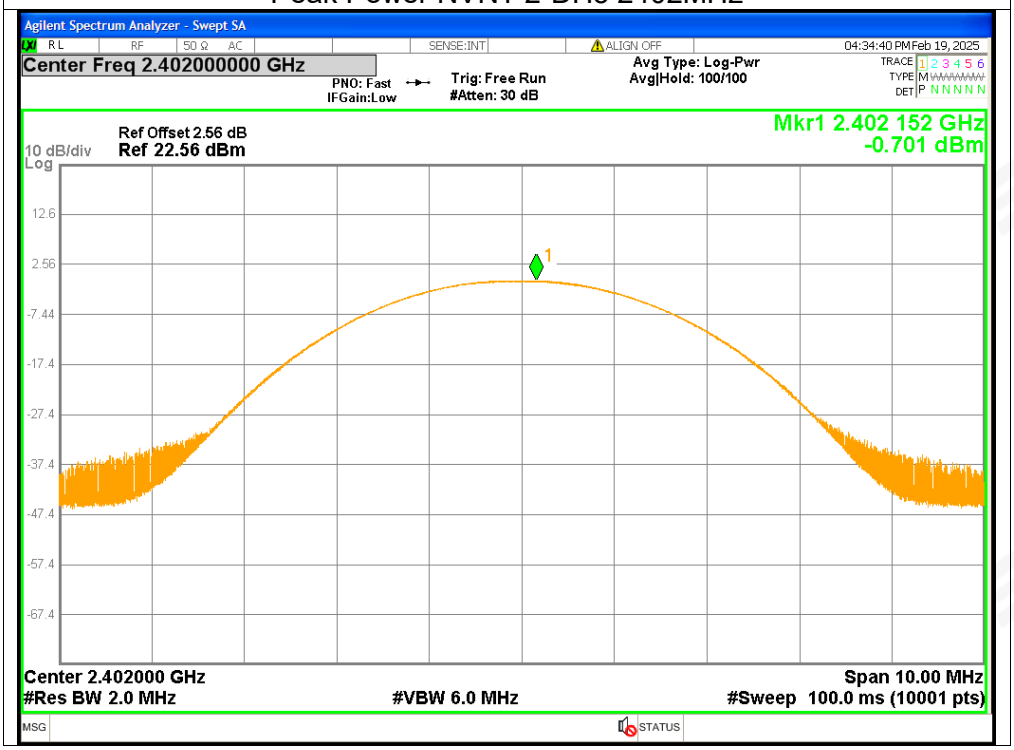
Peak Power NVNT 1-DH5 2441MHz



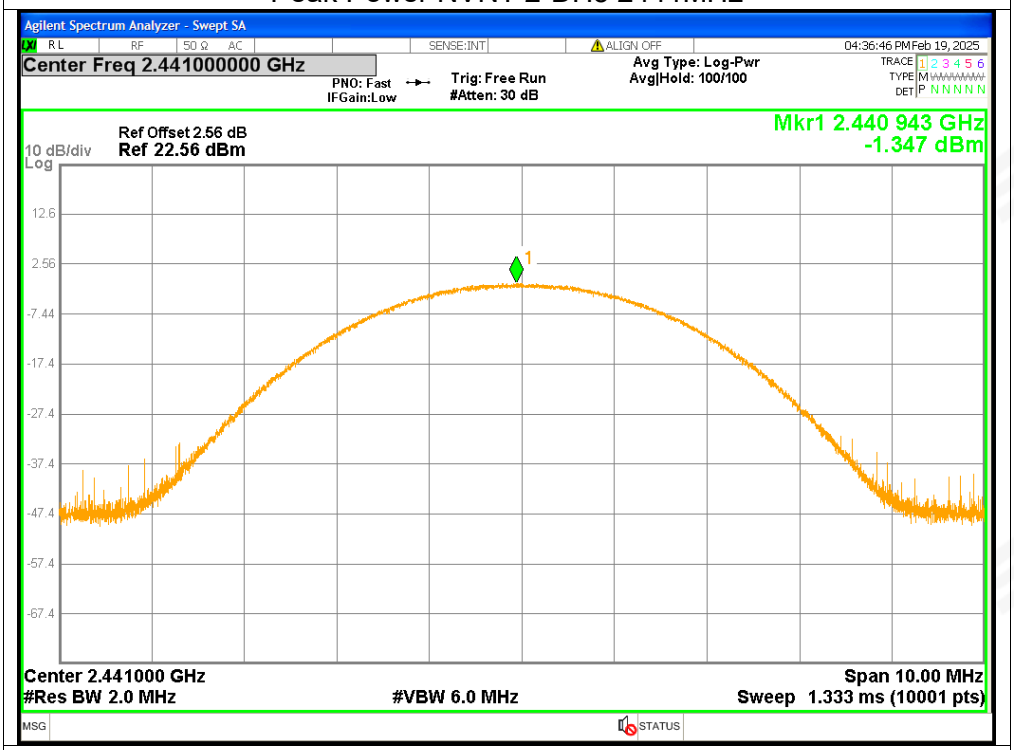
Peak Power NVNT 1-DH5 2480MHz



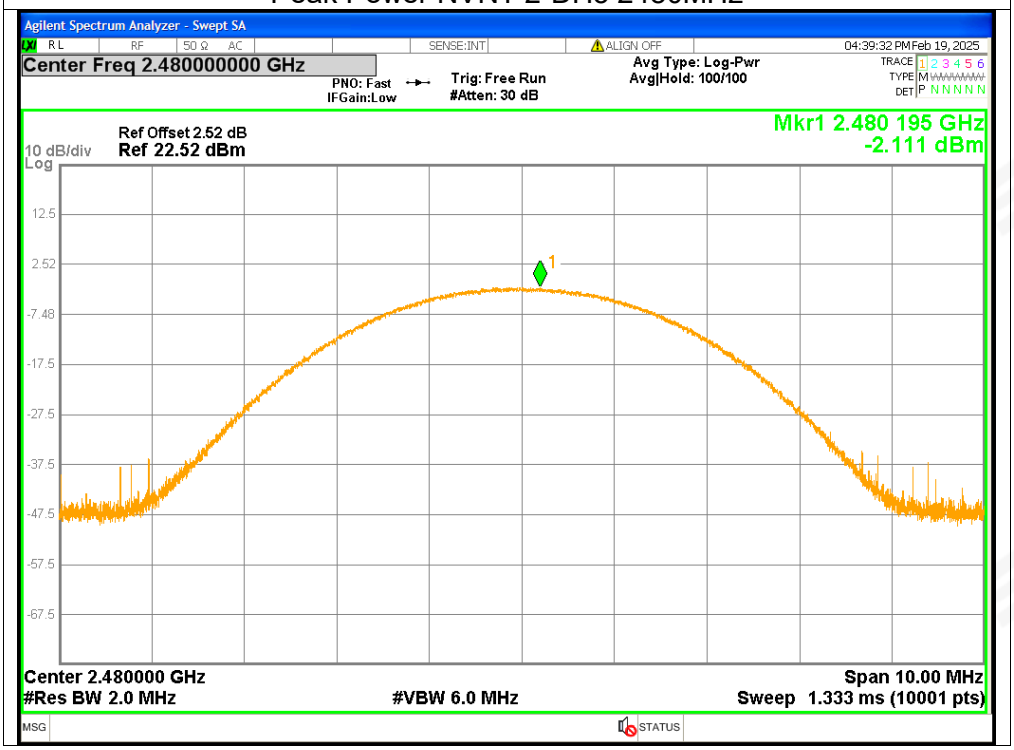
Peak Power NVNT 2-DH5 2402MHz



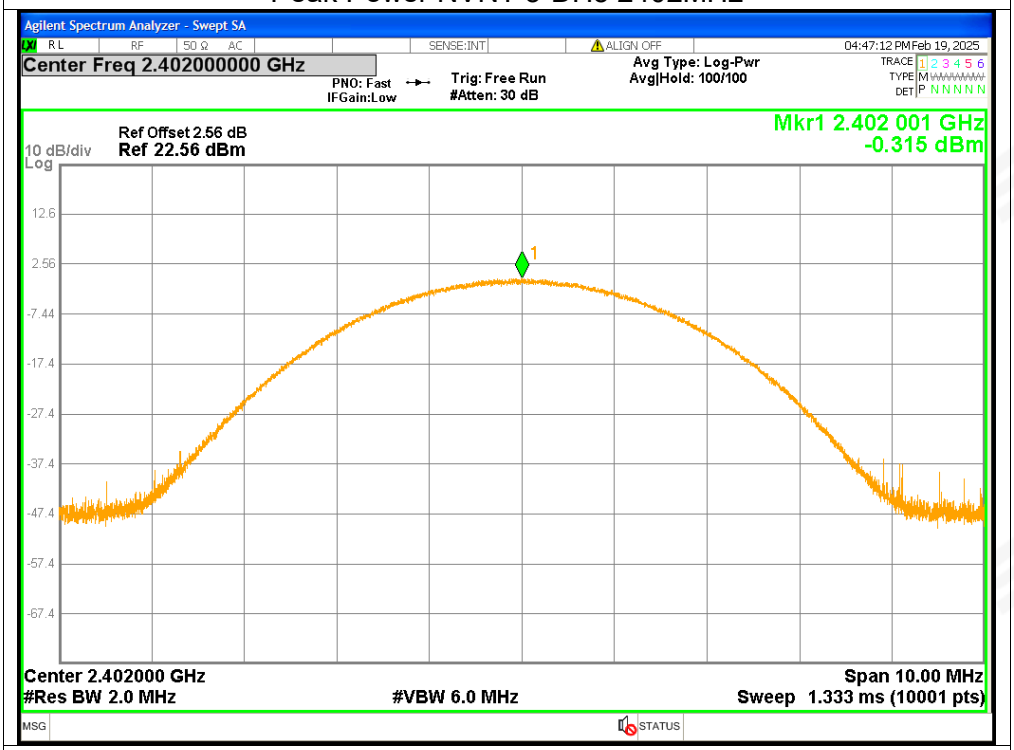
Peak Power NVNT 2-DH5 2441MHz



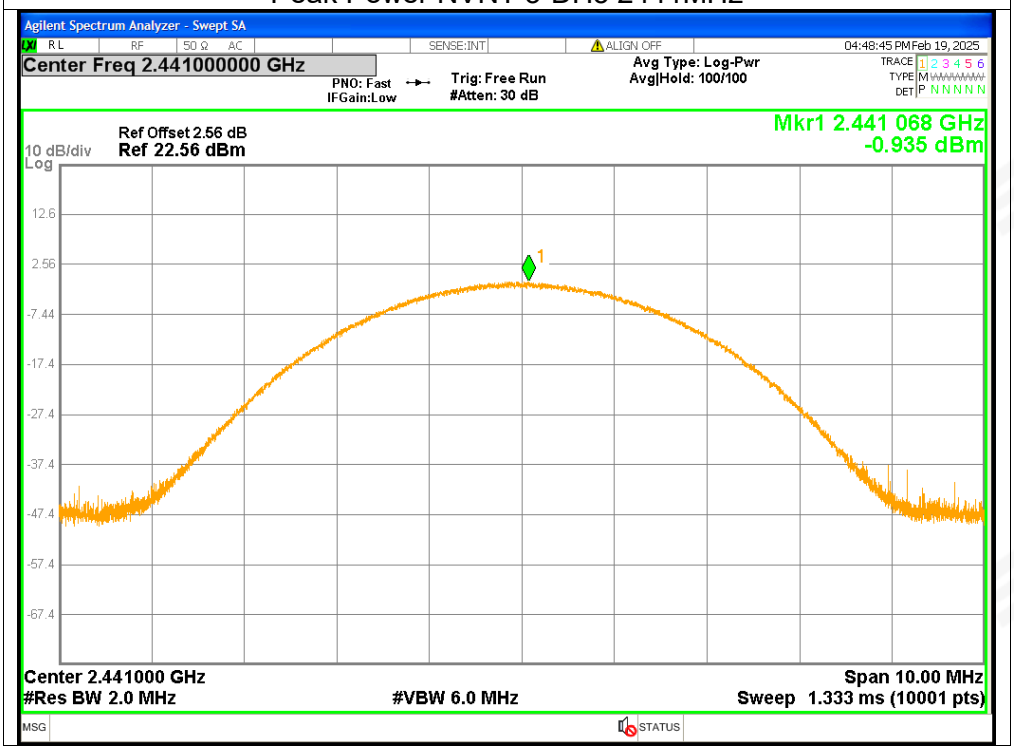
Peak Power NVNT 2-DH5 2480MHz



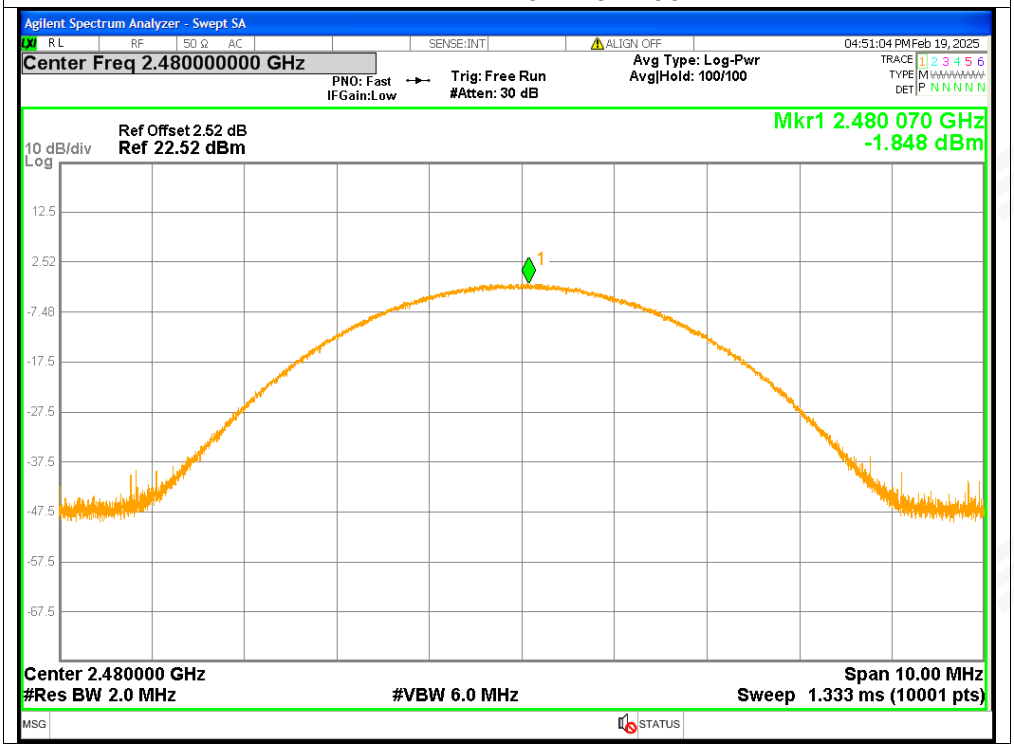
Peak Power NVNT 3-DH5 2402MHz



Peak Power NVNT 3-DH5 2441MHz



Peak Power NVNT 3-DH5 2480MHz

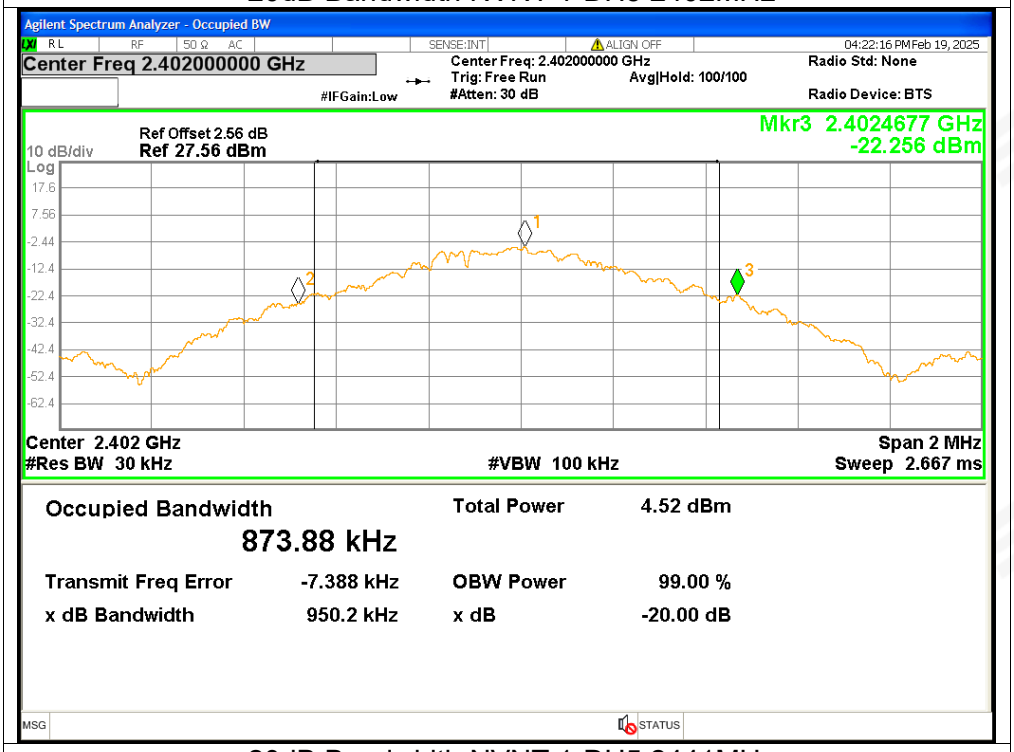


3. -20dB Bandwidth

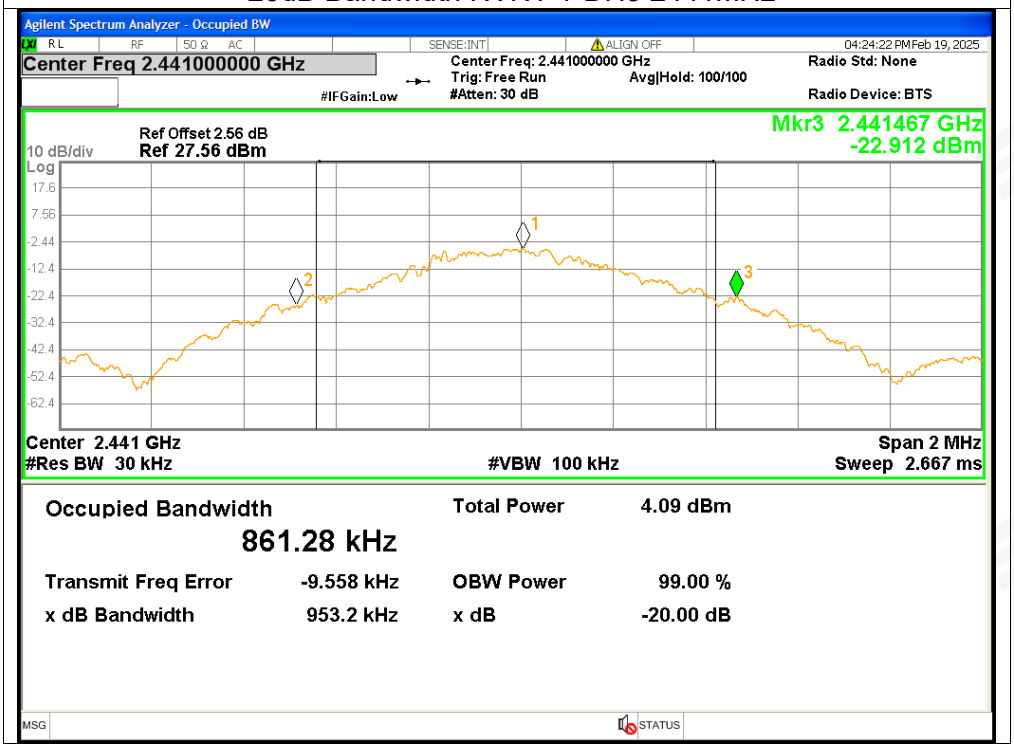
Condition	Mode	Frequency (MHz)	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	0.9502	Pass
NVNT	1-DH5	2441	0.9532	Pass
NVNT	1-DH5	2480	0.9545	Pass
NVNT	2-DH5	2402	1.3181	Pass
NVNT	2-DH5	2441	1.3048	Pass
NVNT	2-DH5	2480	1.3064	Pass
NVNT	3-DH5	2402	1.2995	Pass
NVNT	3-DH5	2441	1.2833	Pass
NVNT	3-DH5	2480	1.2859	Pass

Test Graphs

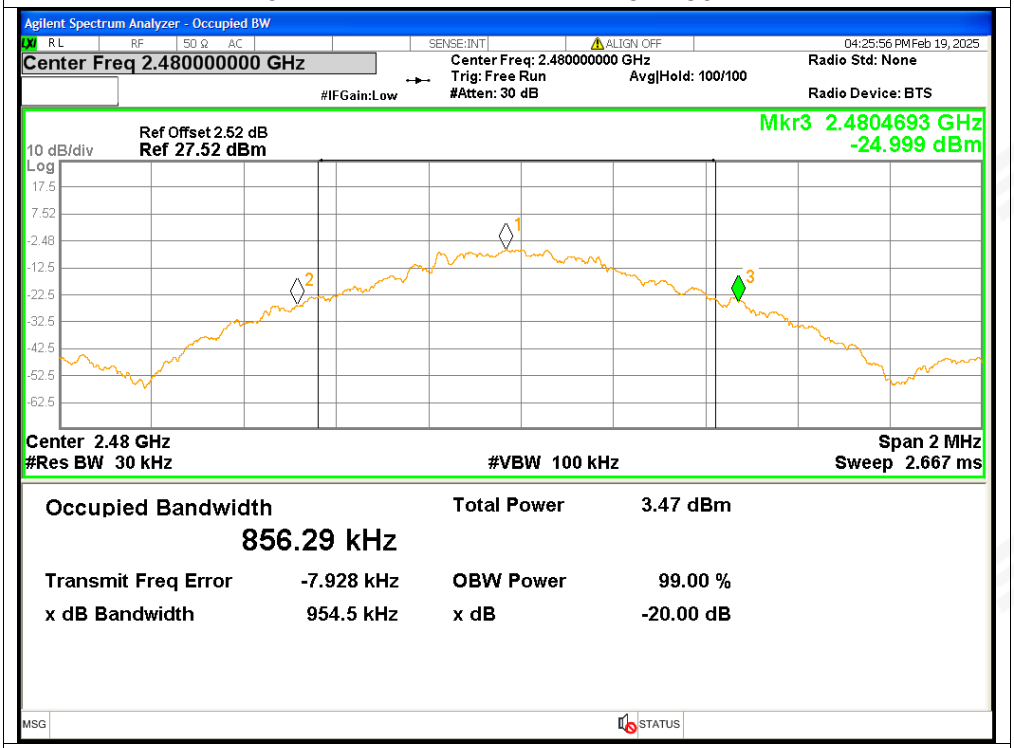
-20dB Bandwidth NVNT 1-DH5 2402MHz



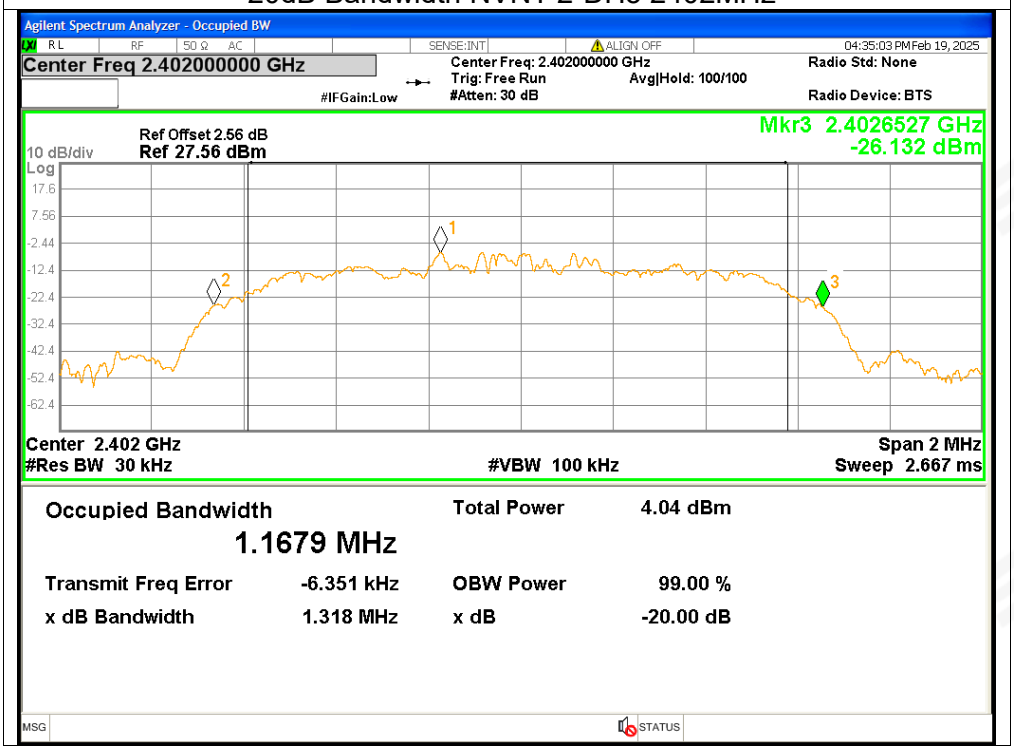
-20dB Bandwidth NVNT 1-DH5 2441MHz



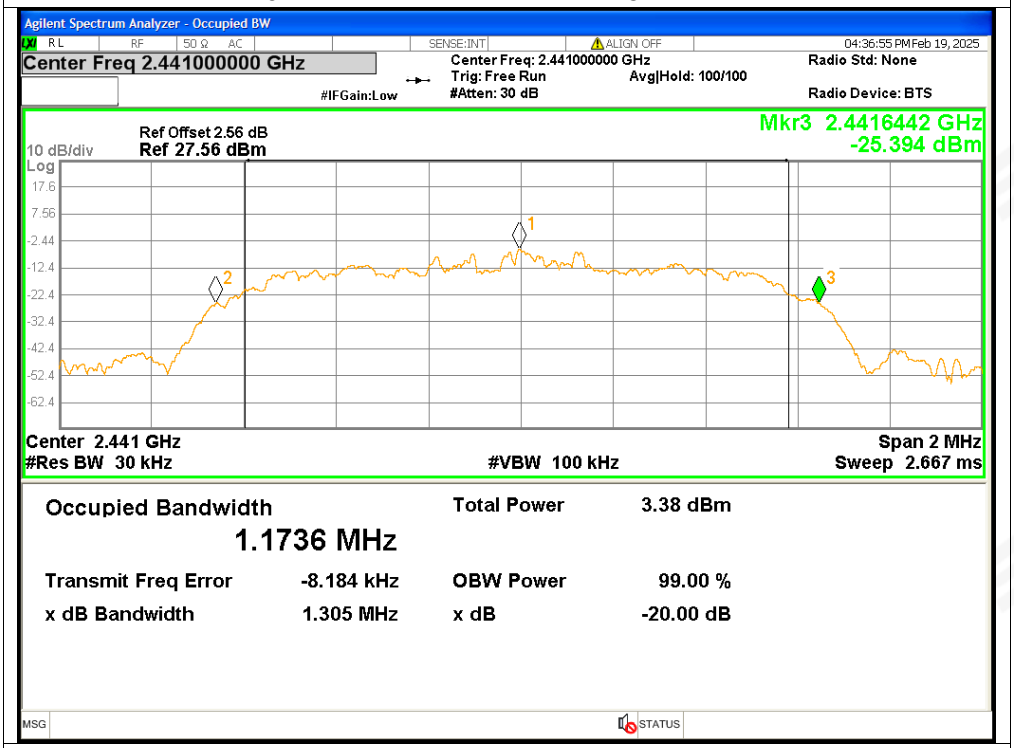
-20dB Bandwidth NVNT 1-DH5 2480MHz



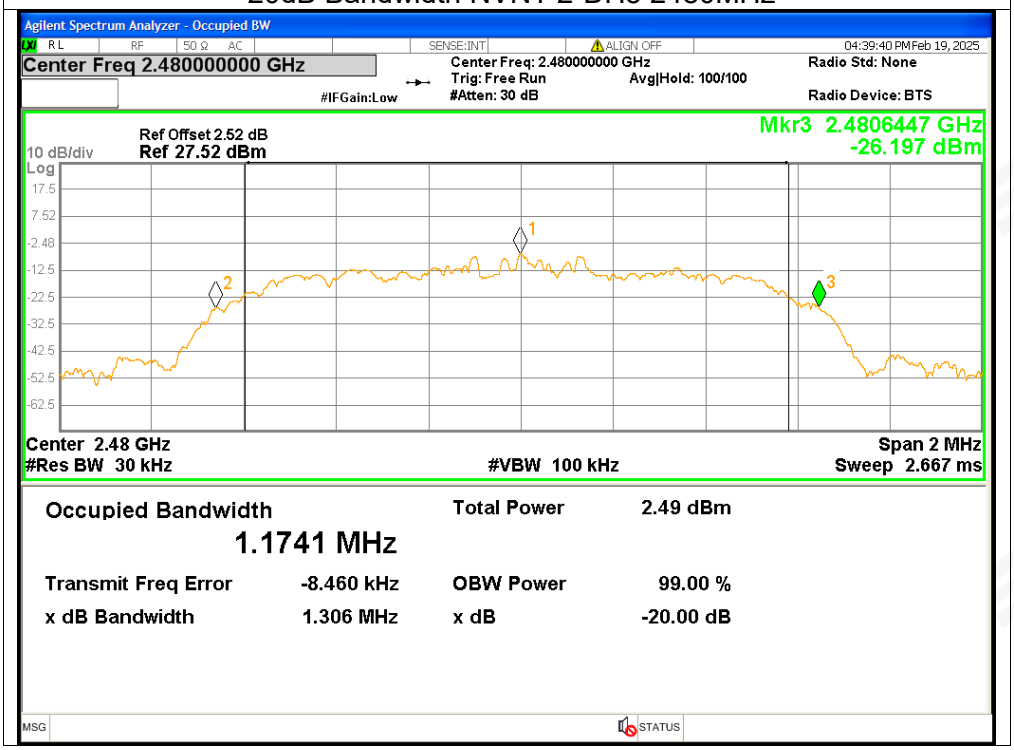
-20dB Bandwidth NVNT 2-DH5 2402MHz



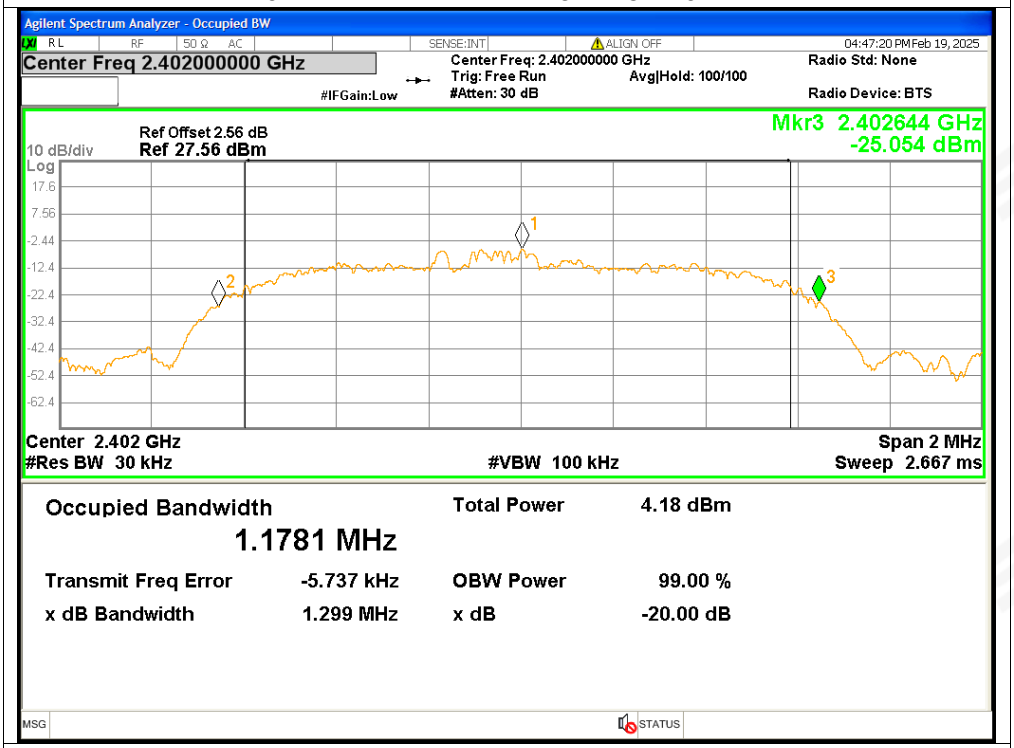
-20dB Bandwidth NVNT 2-DH5 2441MHz



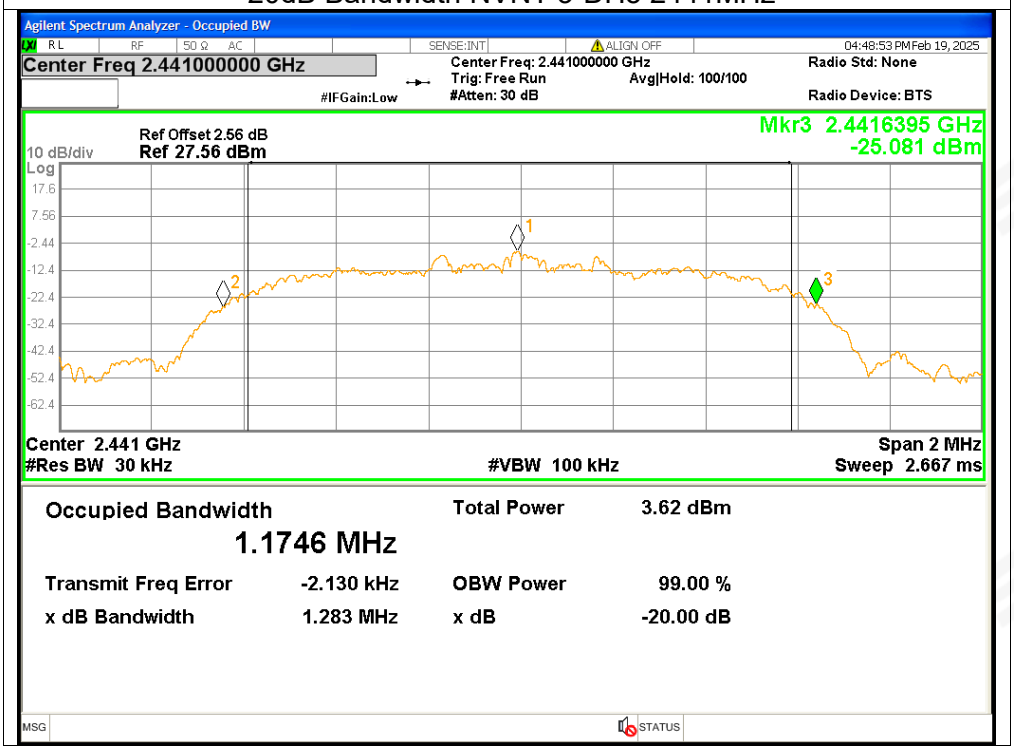
-20dB Bandwidth NVNT 2-DH5 2480MHz



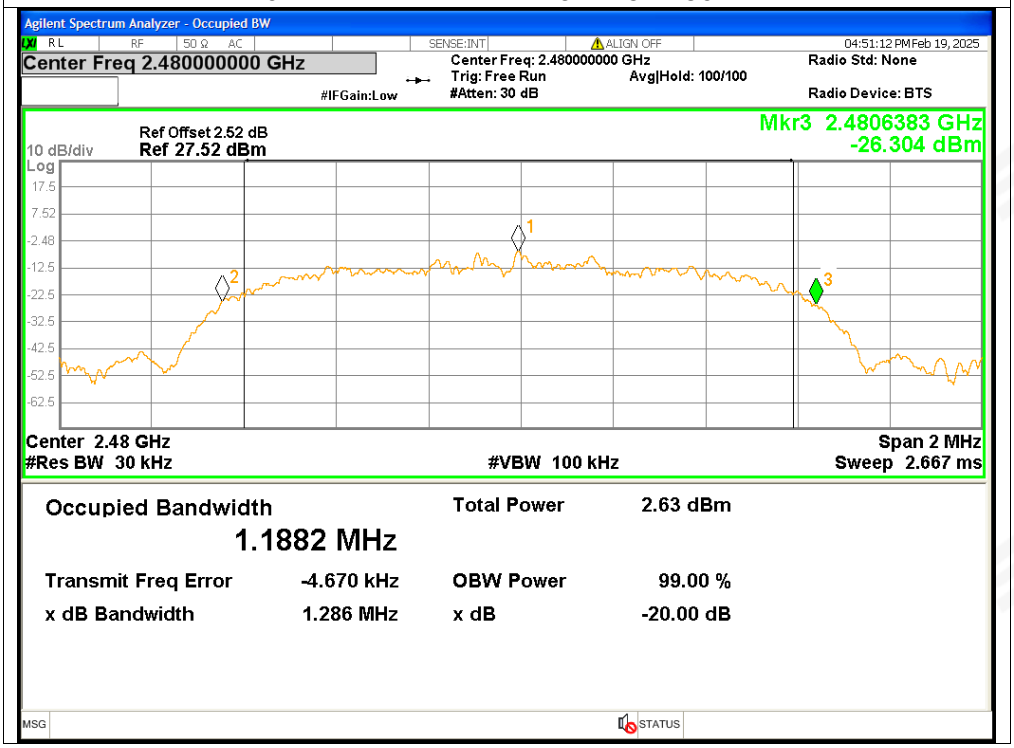
-20dB Bandwidth NVNT 3-DH5 2402MHz



-20dB Bandwidth NVNT 3-DH5 2441MHz



-20dB Bandwidth NVNT 3-DH5 2480MHz

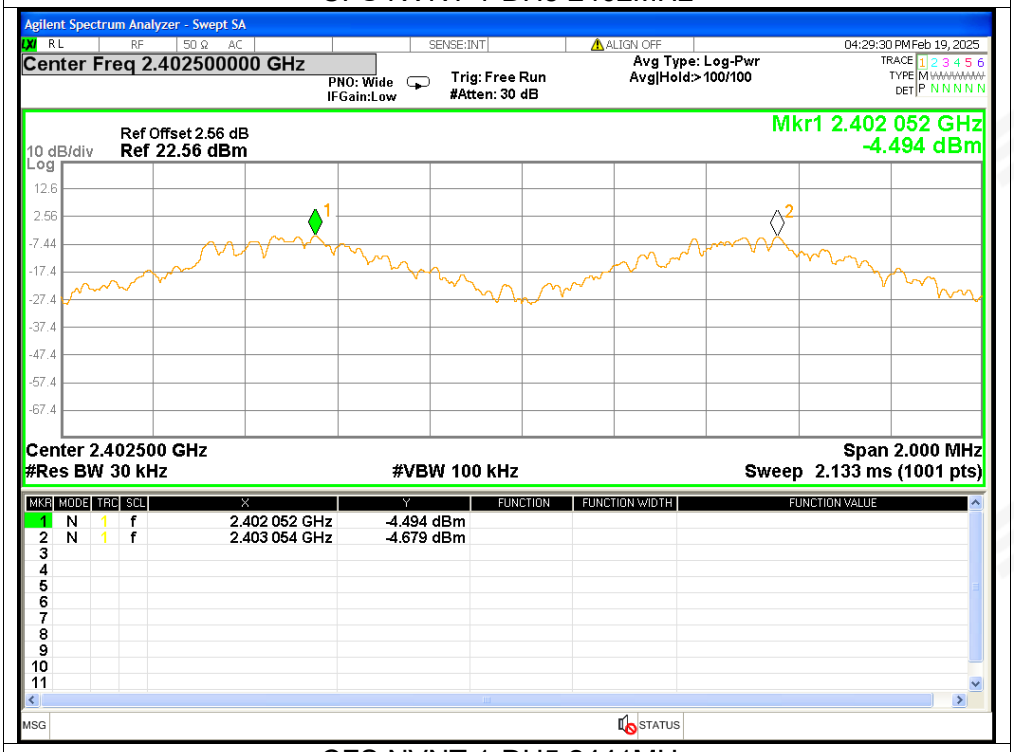


4. Carrier Frequencies Separation

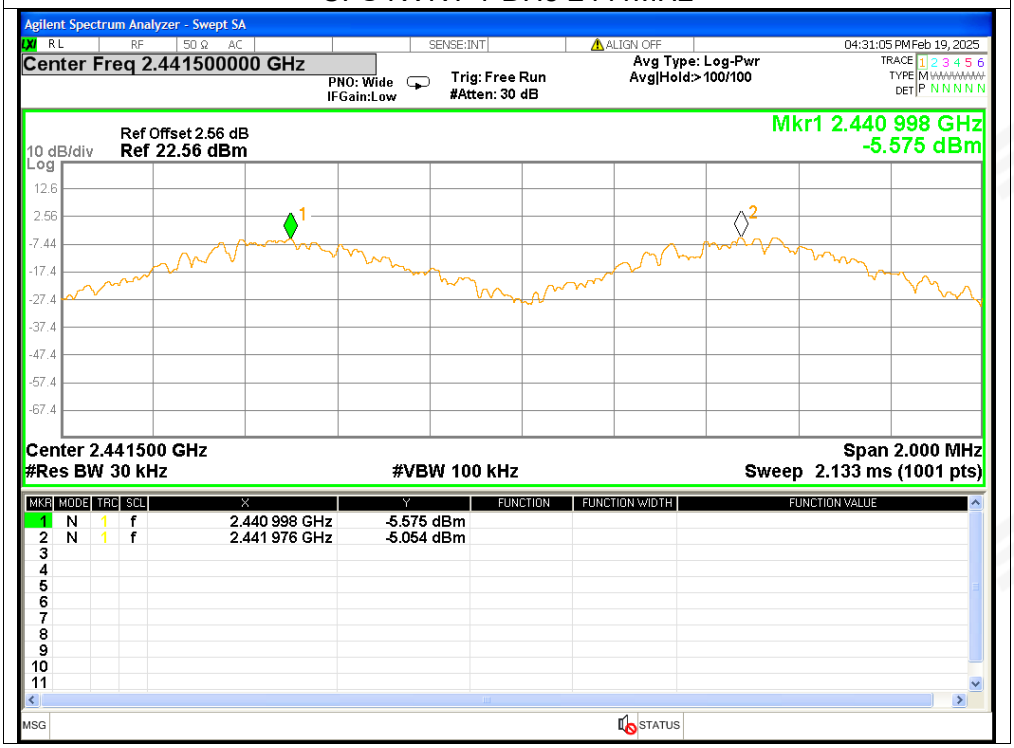
Condition	Mode	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	2402.052	2403.054	1.002	>=0.633	Pass
NVNT	1-DH5	2440.998	2441.976	0.978	>=0.635	Pass
NVNT	1-DH5	2478.974	2480.012	1.038	>=0.636	Pass
NVNT	2-DH5	2401.91	2402.952	1.042	>=0.879	Pass
NVNT	2-DH5	2440.998	2441.912	0.914	>=0.87	Pass
NVNT	2-DH5	2478.92	2480.126	1.206	>=0.871	Pass
NVNT	3-DH5	2402.012	2402.994	0.982	>=0.866	Pass
NVNT	3-DH5	2441	2441.956	0.956	>=0.856	Pass
NVNT	3-DH5	2478.994	2479.892	0.898	>=0.857	Pass

Test Graphs

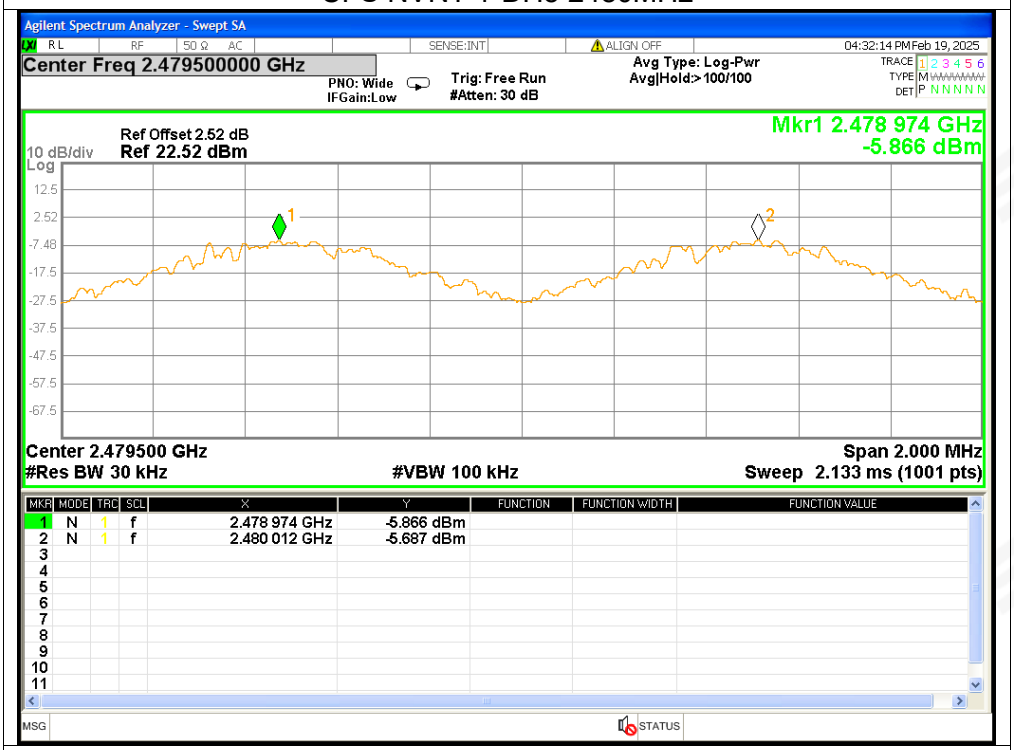
CFS NVNT 1-DH5 2402MHz



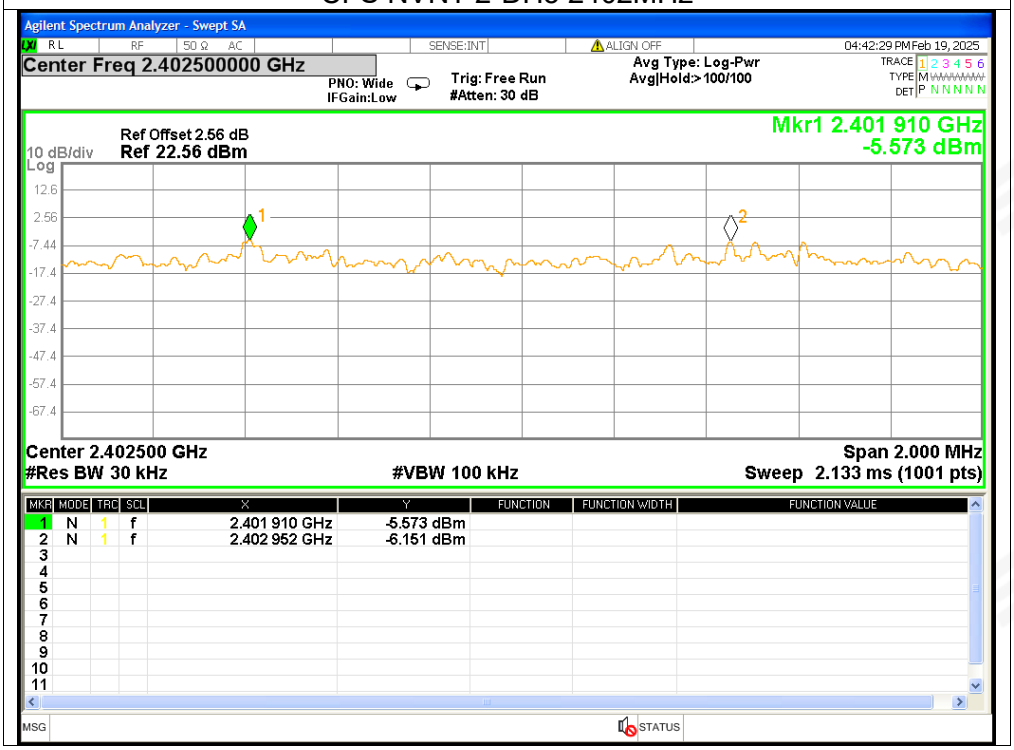
CFS NVNT 1-DH5 2441MHz



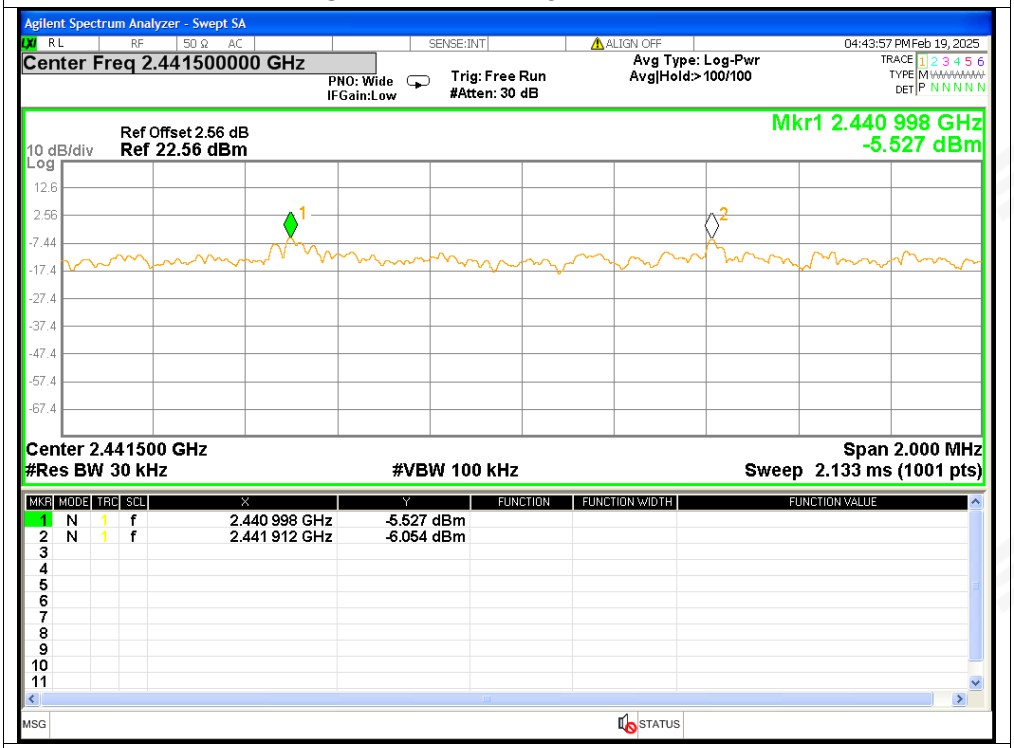
CFS NVNT 1-DH5 2480MHz



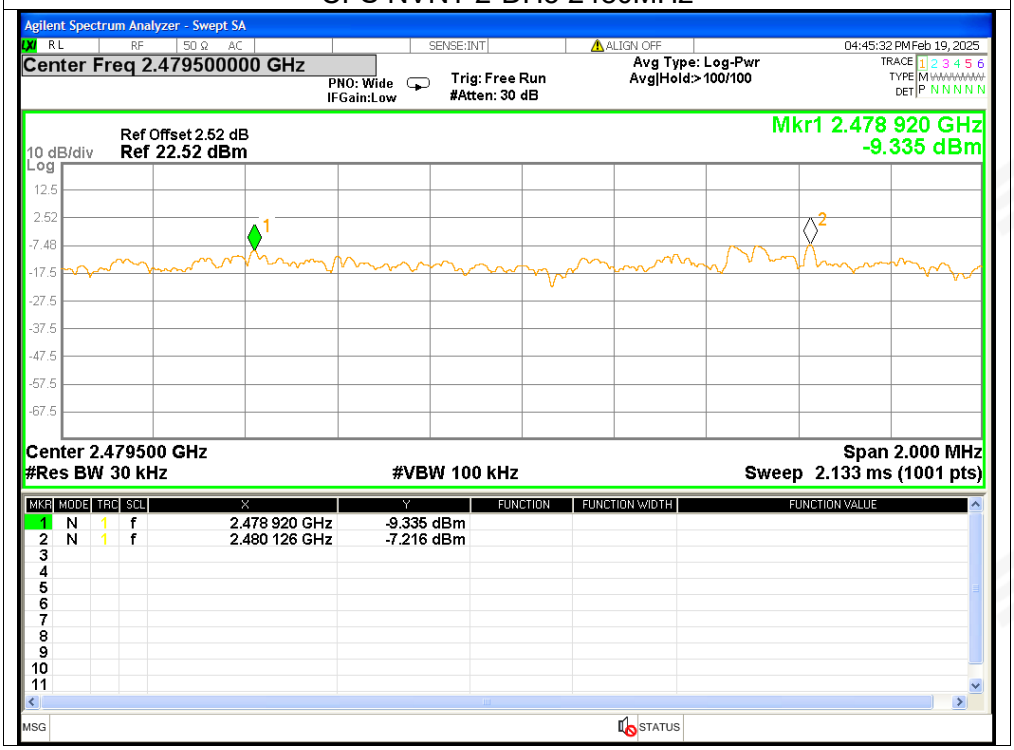
CFS NVNT 2-DH5 2402MHz



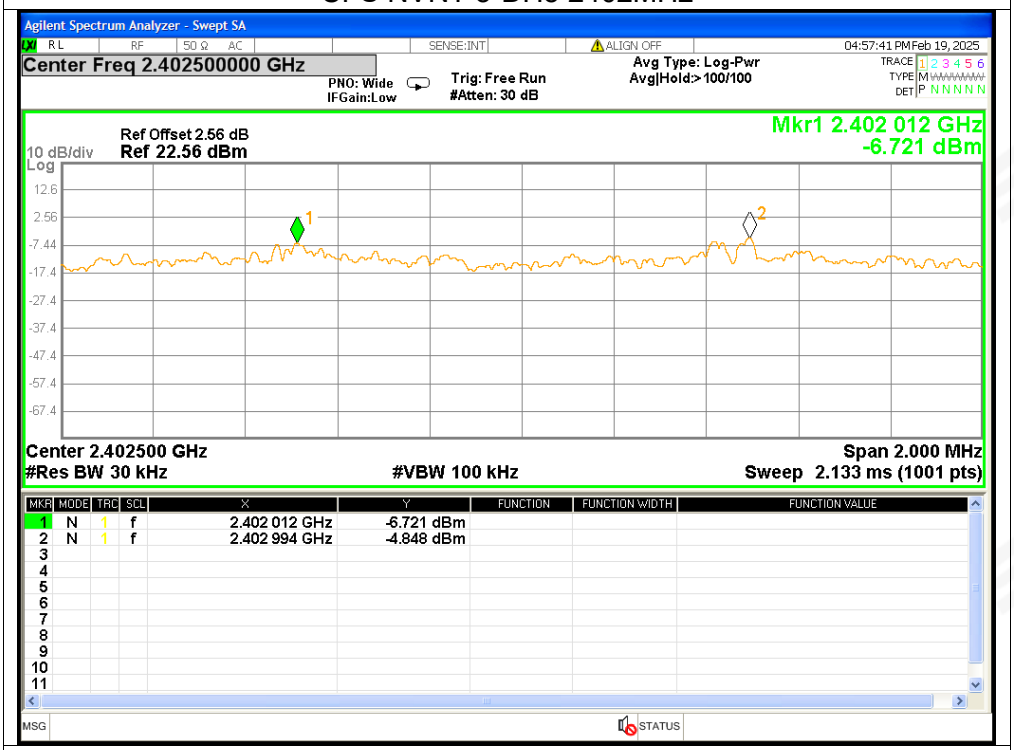
CFS NVNT 2-DH5 2441MHz



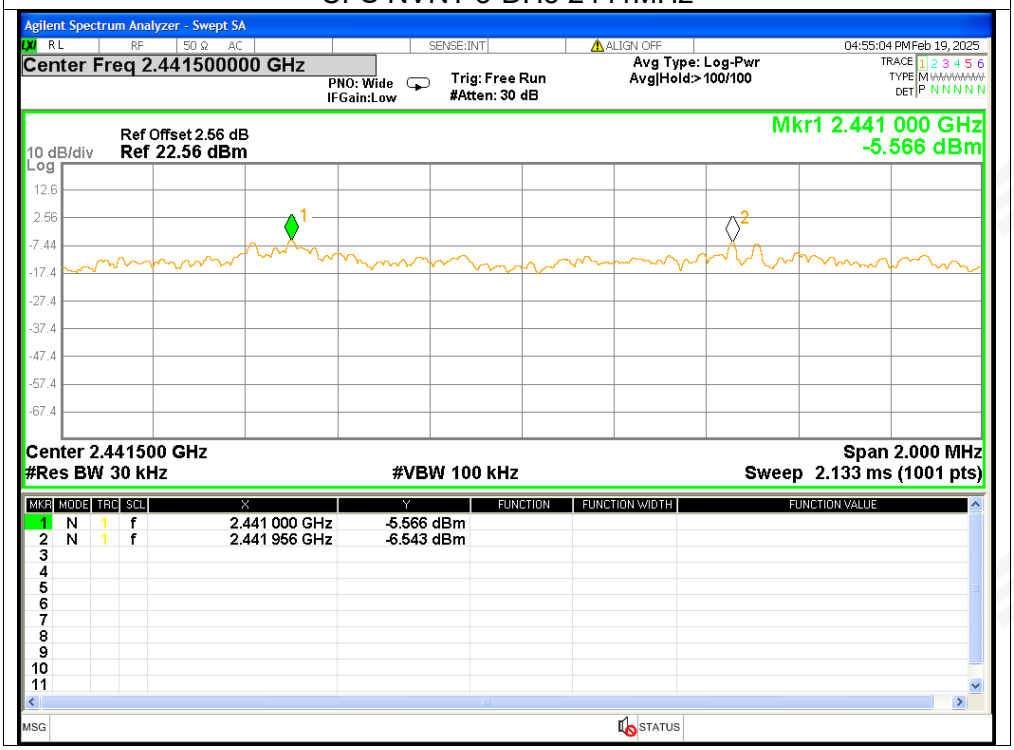
CFS NVNT 2-DH5 2480MHz



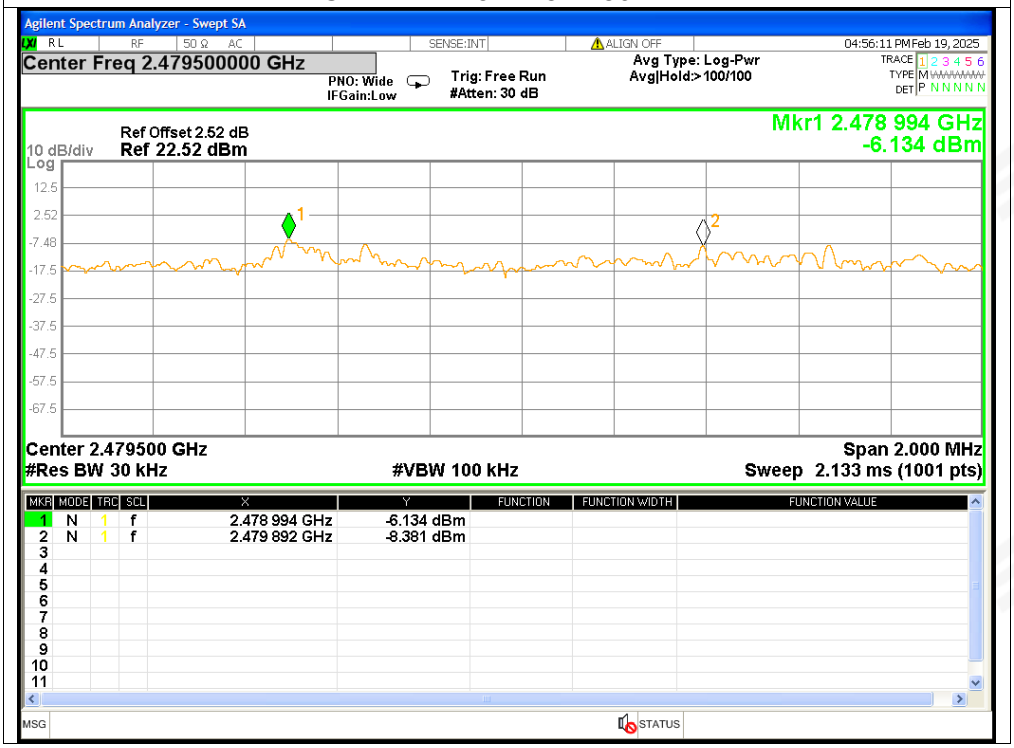
CFS NVNT 3-DH5 2402MHz



CFS NVNT 3-DH5 2441MHz



CFS NVNT 3-DH5 2480MHz

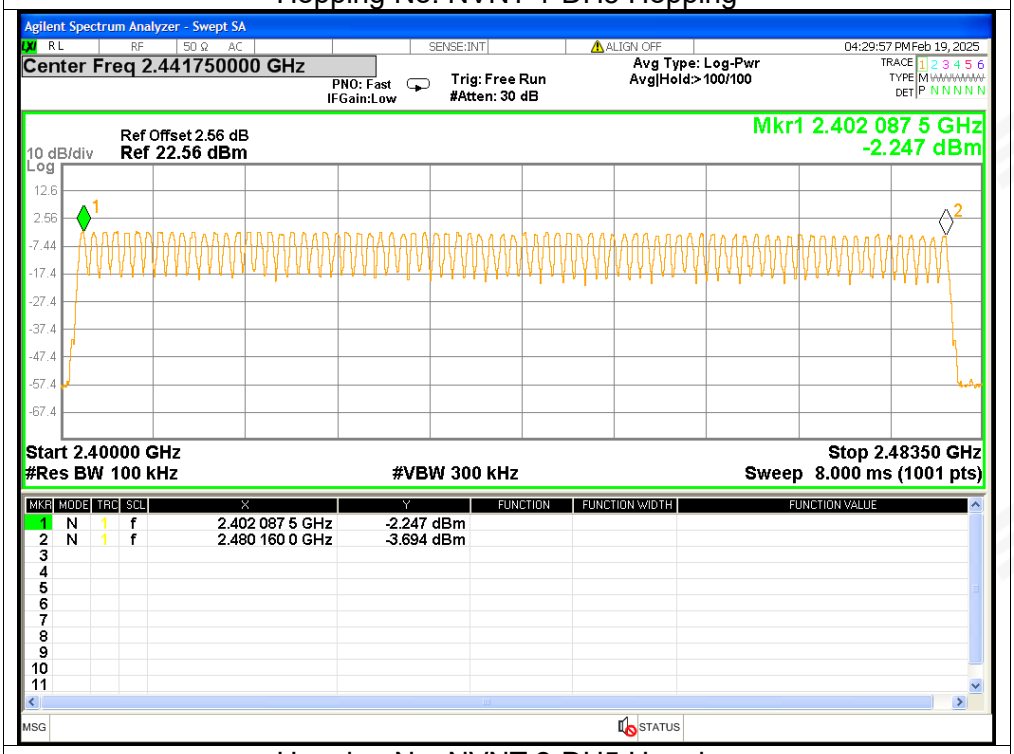


5. Number of Hopping Channel

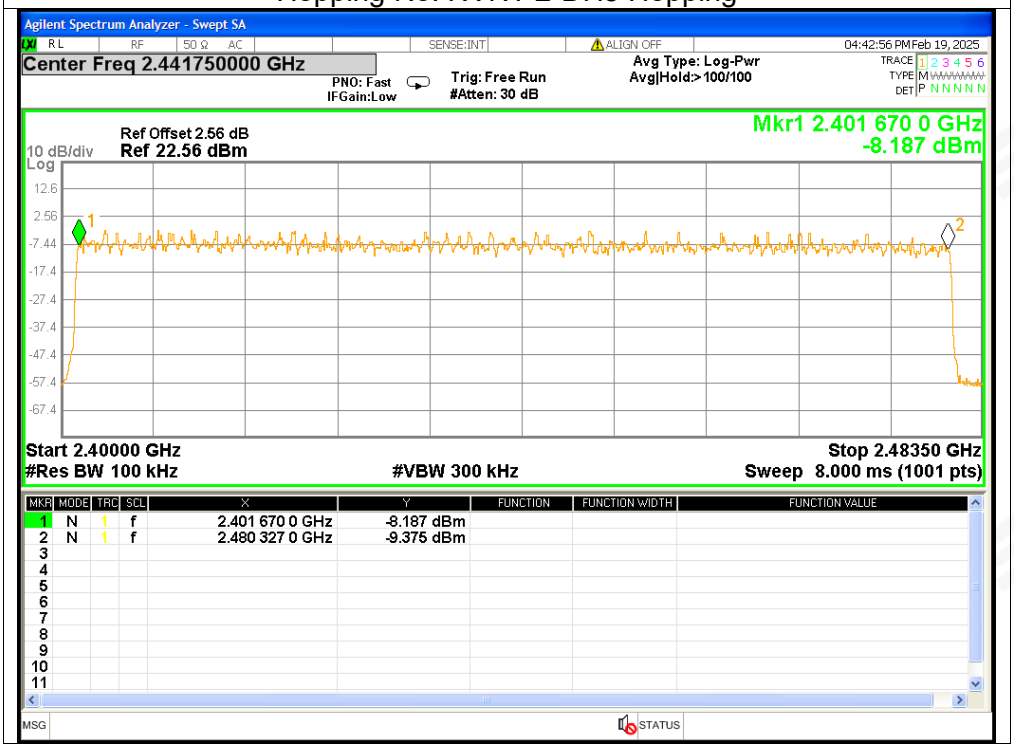
Condition	Mode	Hopping Number	Limit	Verdict
NVNT	1-DH5	79	>=15	Pass
NVNT	2-DH5	79	>=15	Pass
NVNT	3-DH5	79	>=15	Pass

Test Graphs

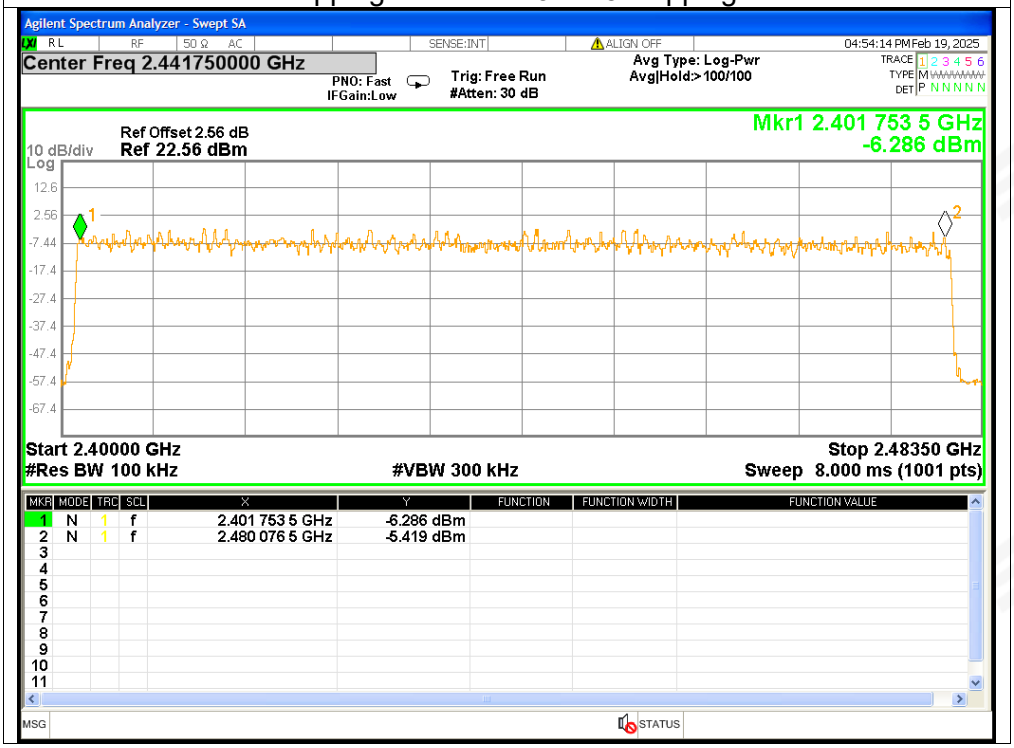
Hopping No. NVNT 1-DH5 Hopping



Hopping No. NVNT 2-DH5 Hopping



Hopping No. NVNT 3-DH5 Hopping

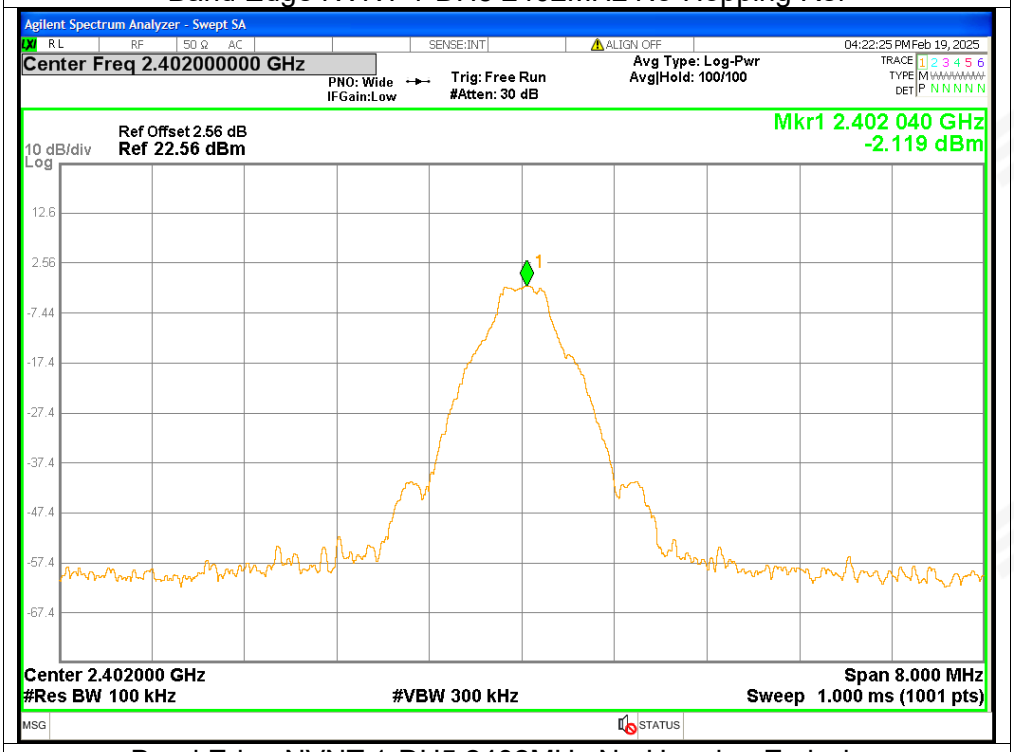


6. Band Edge

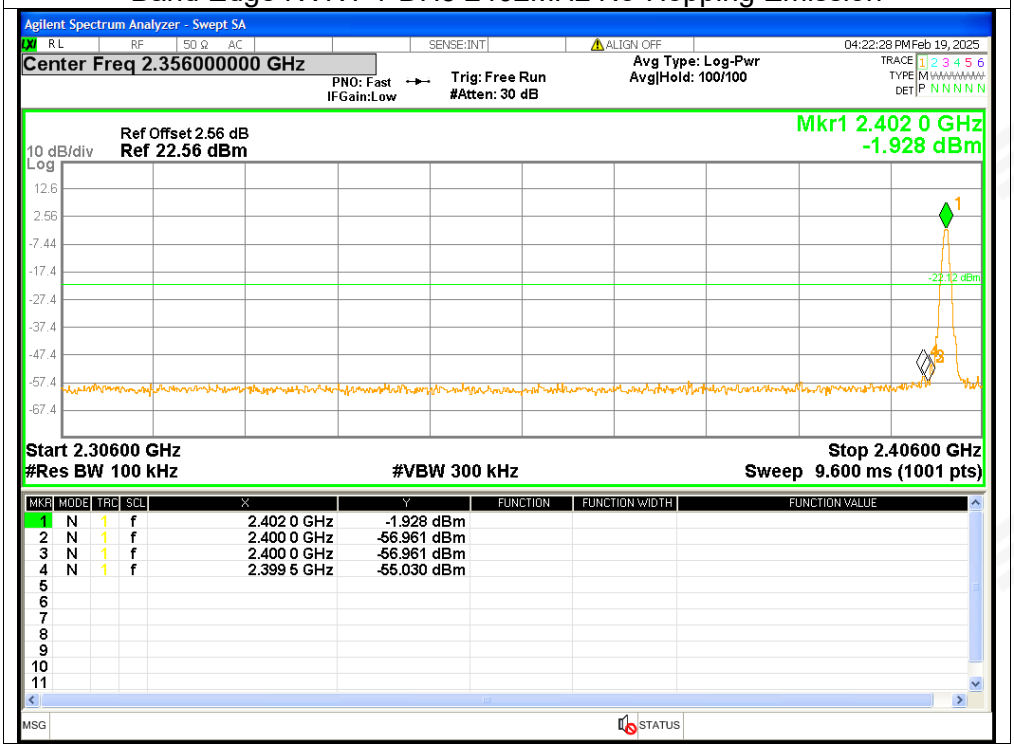
Condition	Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	No-Hopping	-52.9	<=-20	Pass
NVNT	1-DH5	2480	No-Hopping	-53.2	<=-20	Pass
NVNT	2-DH5	2402	No-Hopping	-50.24	<=-20	Pass
NVNT	2-DH5	2480	No-Hopping	-54.2	<=-20	Pass
NVNT	3-DH5	2402	No-Hopping	-53.56	<=-20	Pass
NVNT	3-DH5	2480	No-Hopping	-53.2	<=-20	Pass

Test Graphs

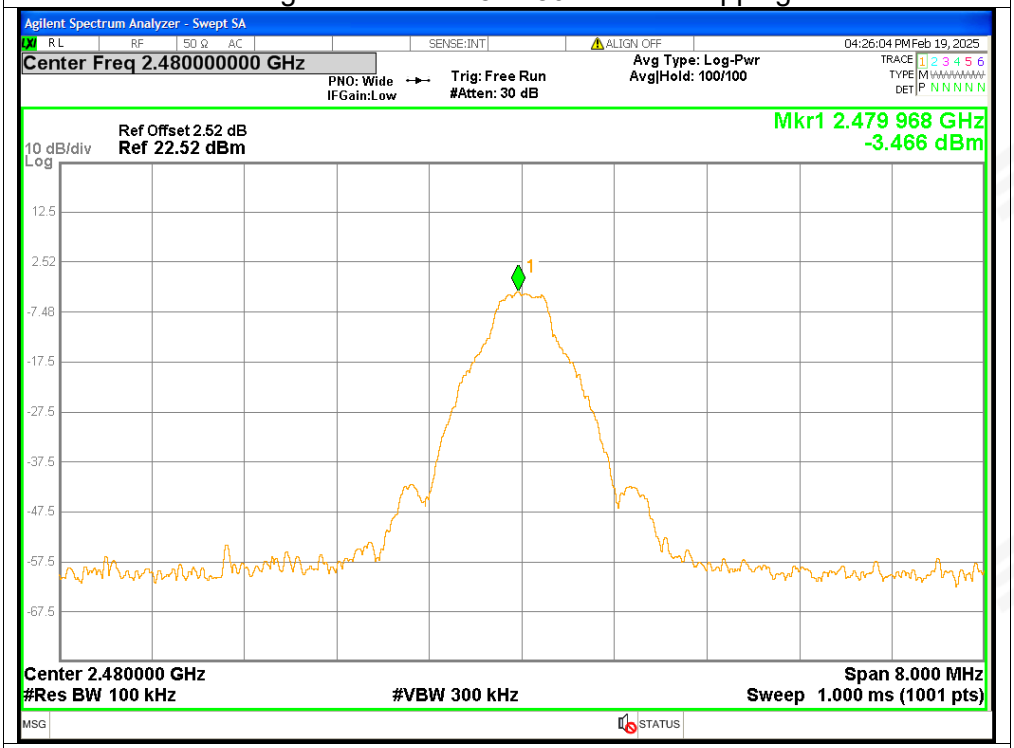
Band Edge NVNT 1-DH5 2402MHz No-Hopping Ref



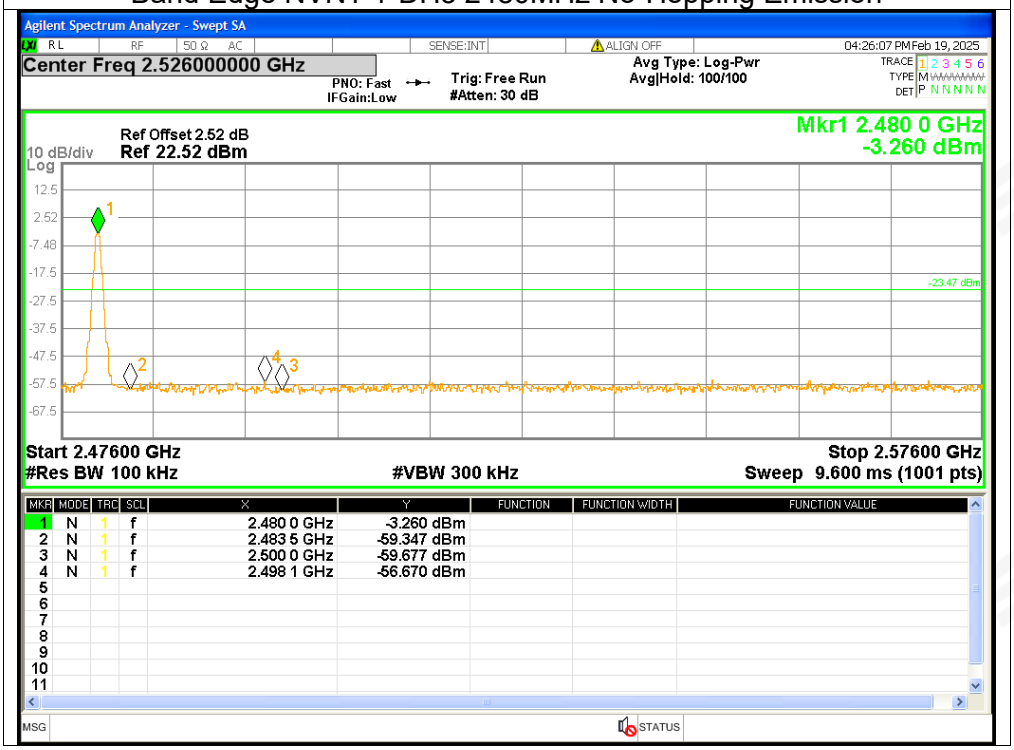
Band Edge NVNT 1-DH5 2402MHz No-Hopping Emission



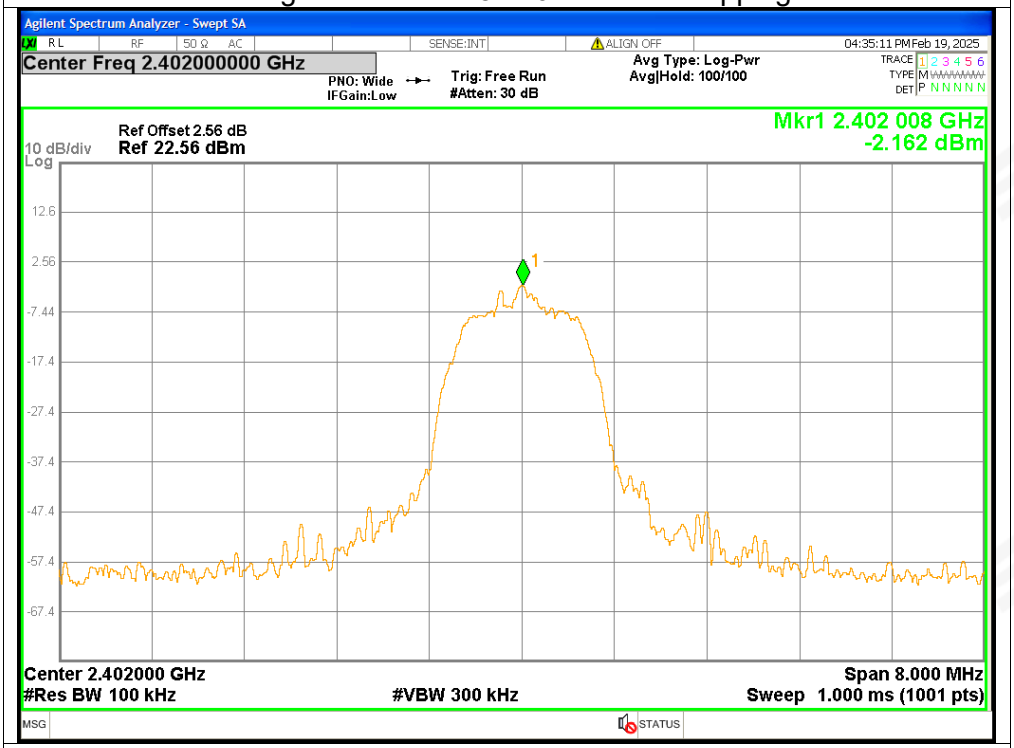
Band Edge NVNT 1-DH5 2480MHz No-Hopping Ref



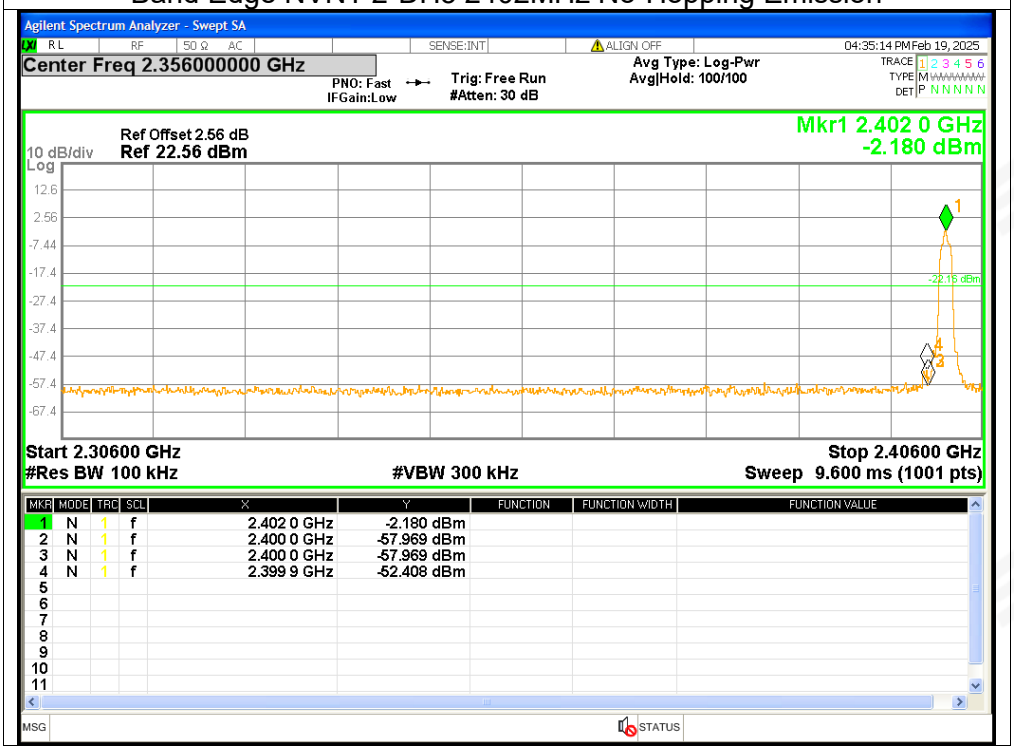
Band Edge NVNT 1-DH5 2480MHz No-Hopping Emission



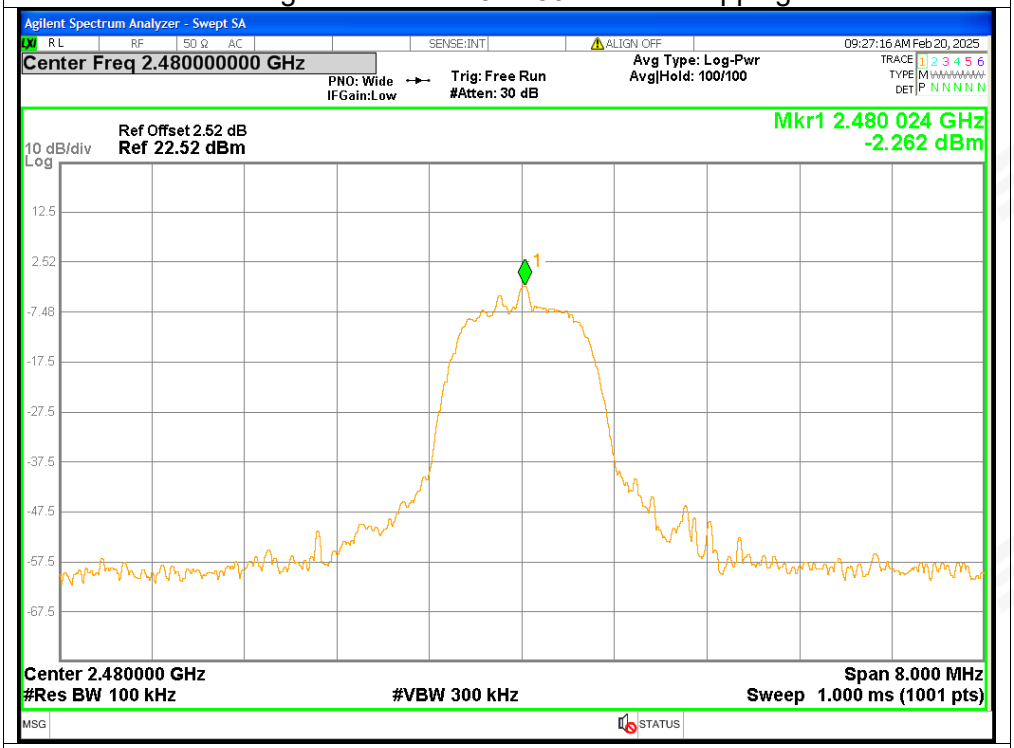
Band Edge NVNT 2-DH5 2402MHz No-Hopping Ref



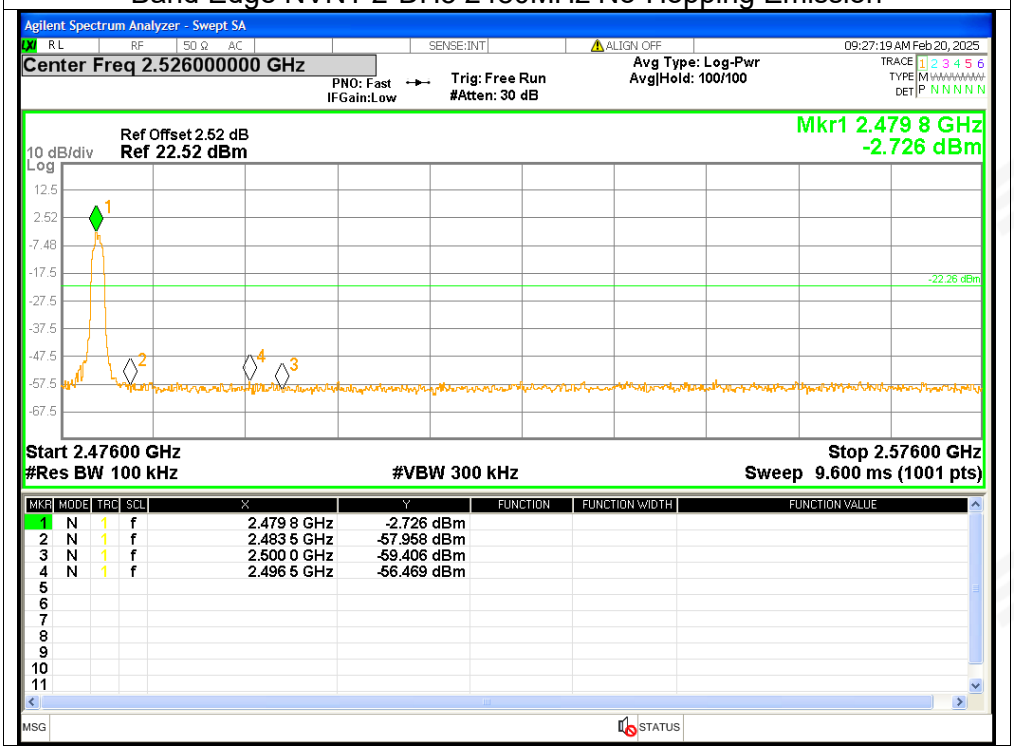
Band Edge NVNT 2-DH5 2402MHz No-Hopping Emission



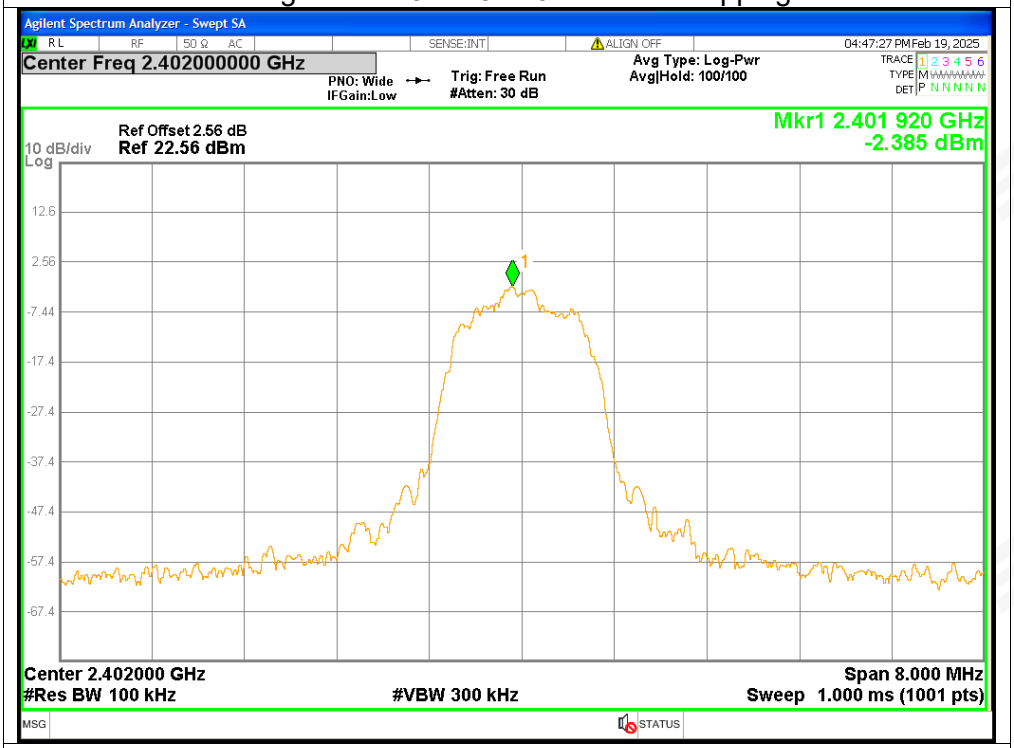
Band Edge NVNT 2-DH5 2480MHz No-Hopping Ref



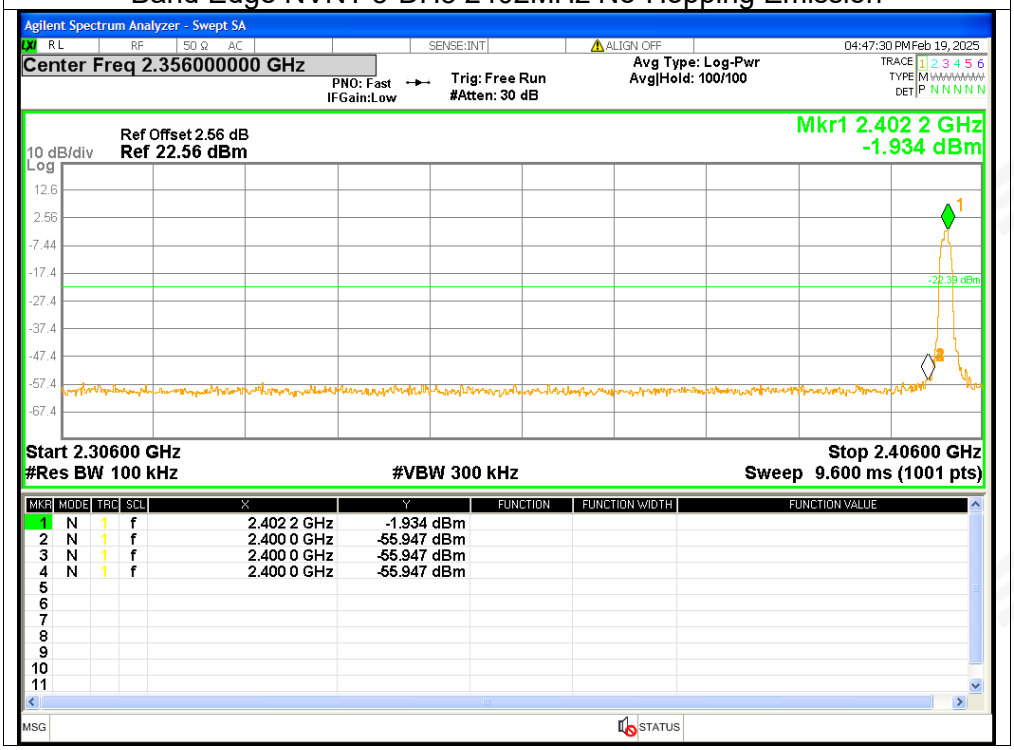
Band Edge NVNT 2-DH5 2480MHz No-Hopping Emission



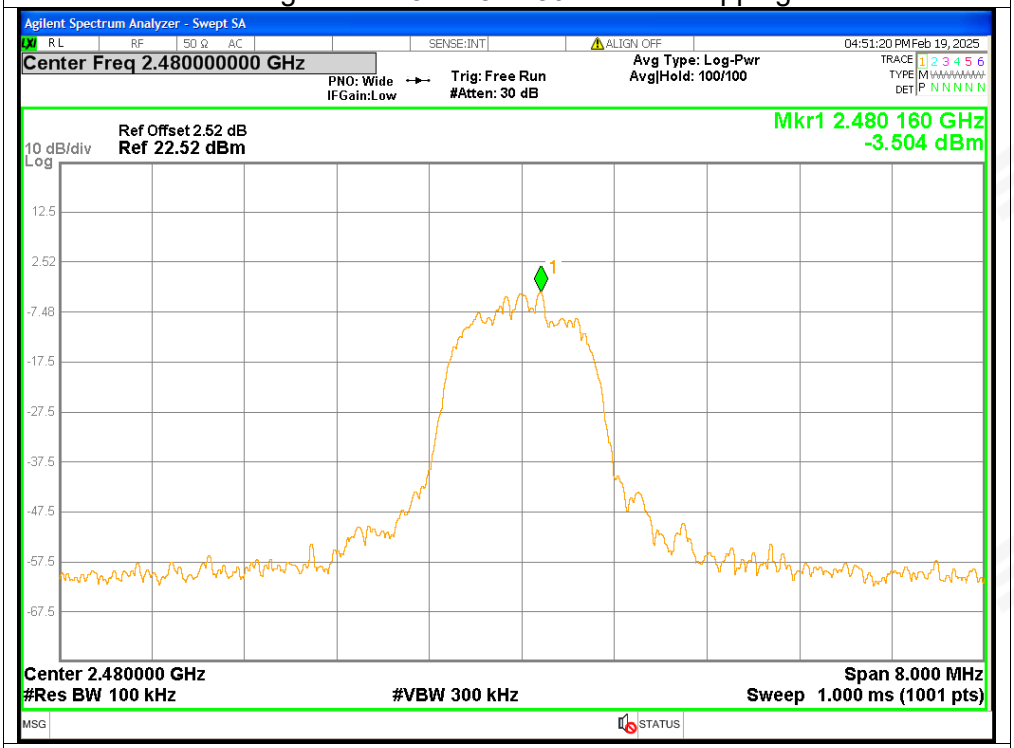
Band Edge NVNT 3-DH5 2402MHz No-Hopping Ref



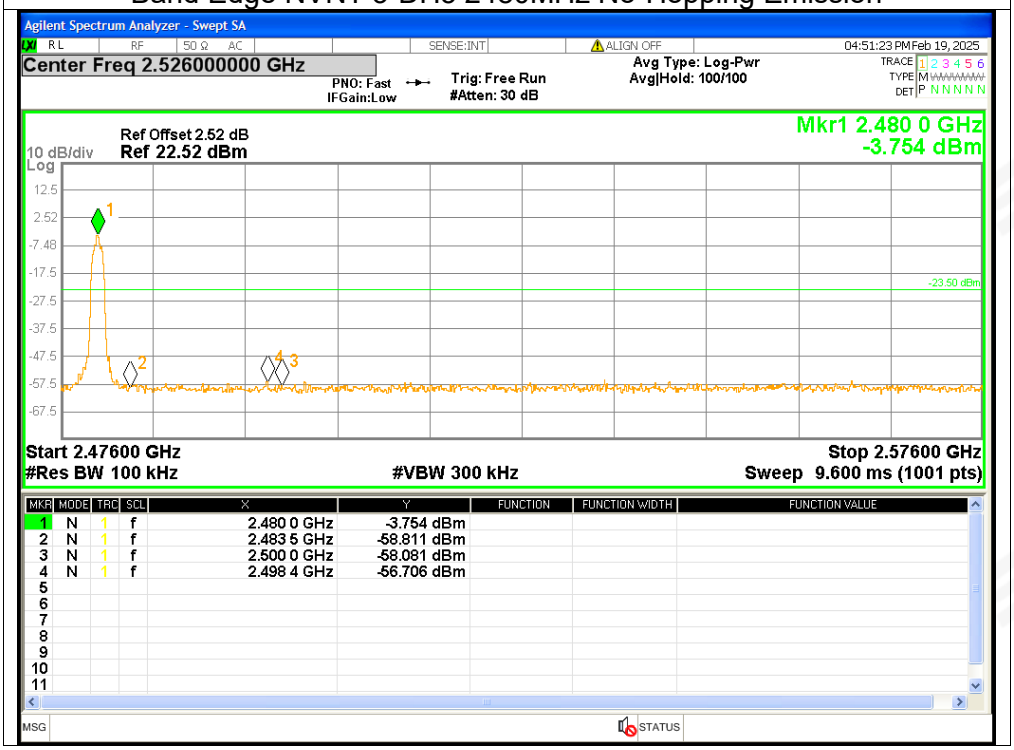
Band Edge NVNT 3-DH5 2402MHz No-Hopping Emission



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



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

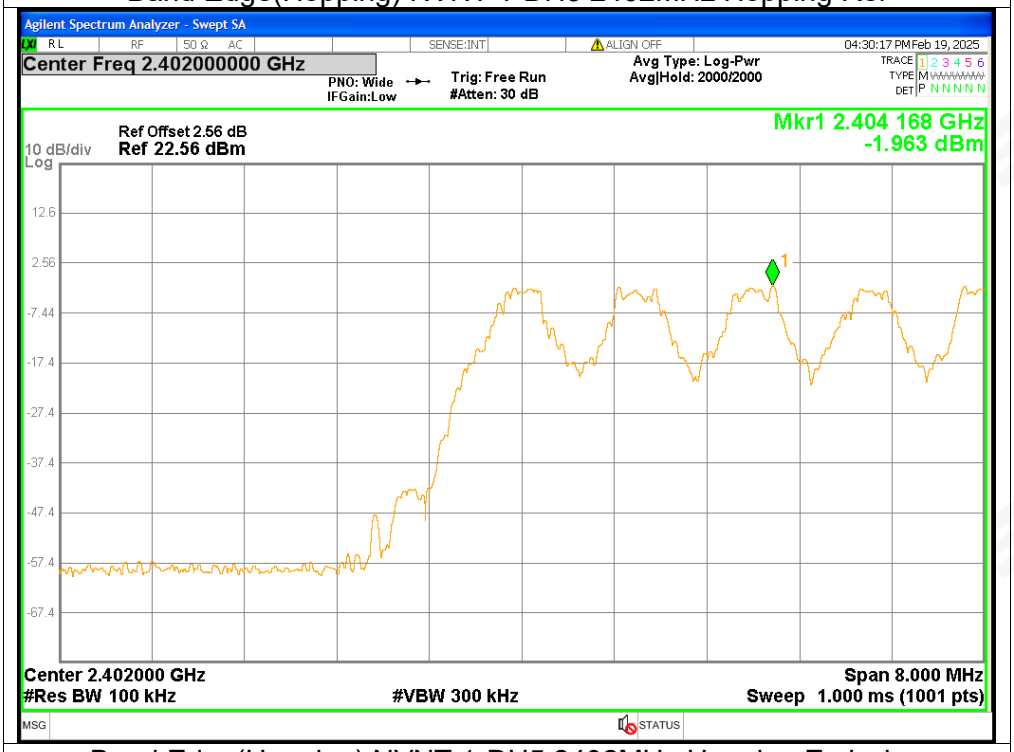


7. Band Edge(Hopping)

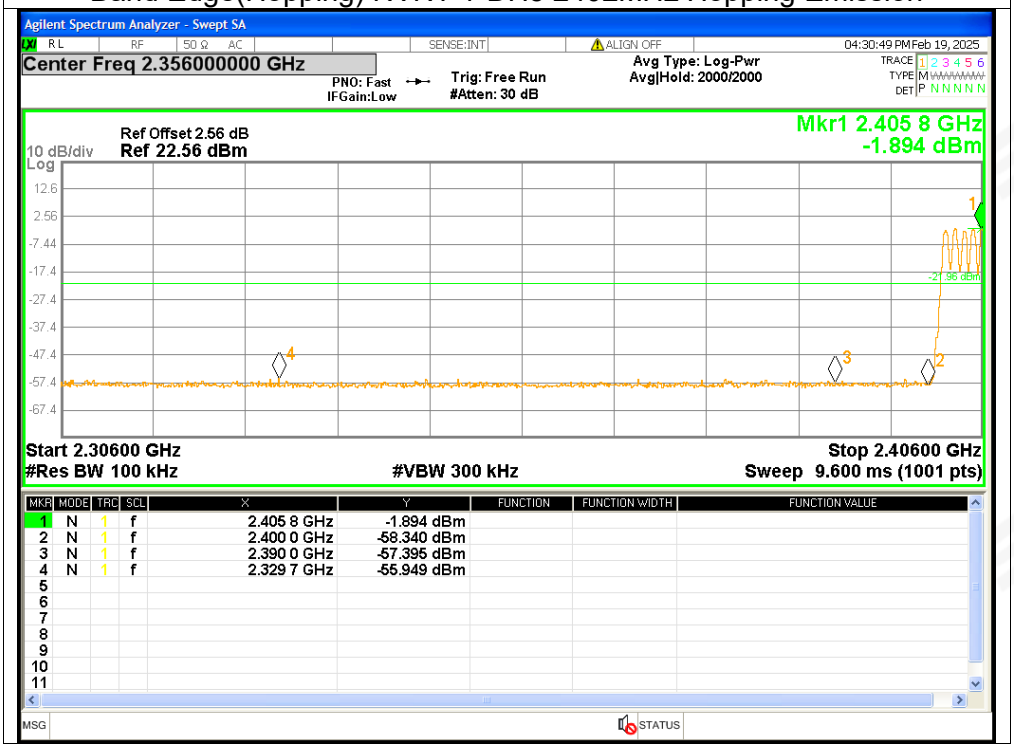
Condition	Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Hopping	-53.98	<=-20	Pass
NVNT	1-DH5	2480	Hopping	-53.02	<=-20	Pass
NVNT	2-DH5	2402	Hopping	-54.29	<=-20	Pass
NVNT	2-DH5	2480	Hopping	-51.95	<=-20	Pass
NVNT	3-DH5	2402	Hopping	-53.54	<=-20	Pass
NVNT	3-DH5	2480	Hopping	-52.85	<=-20	Pass

Test Graphs

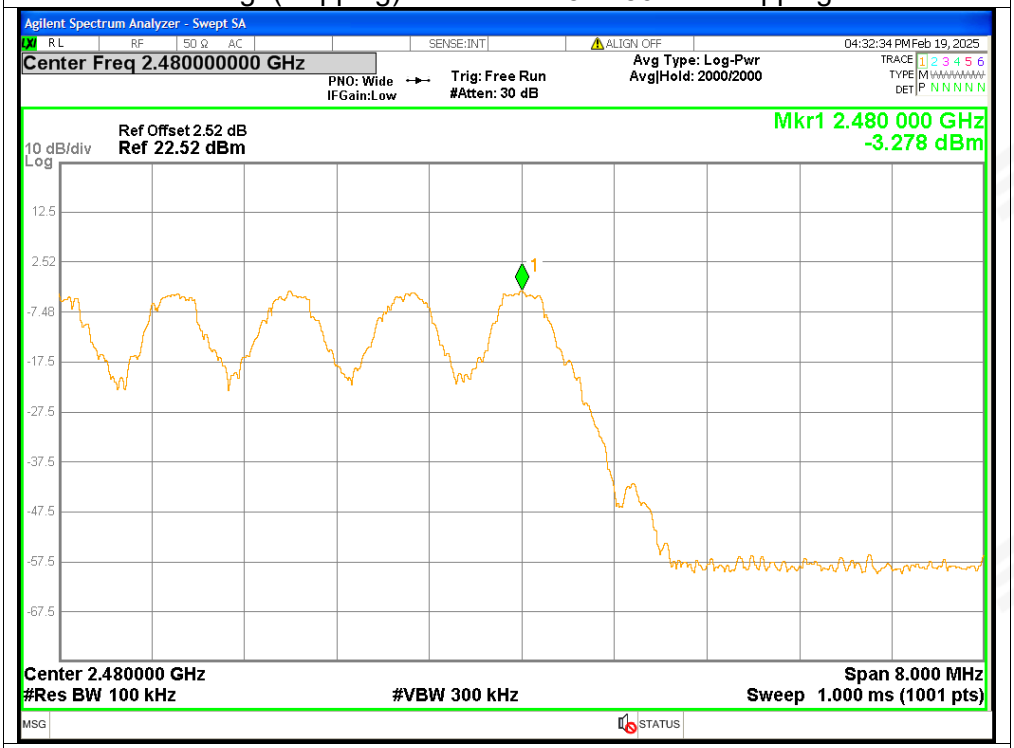
Band Edge(Hopping) NVNT 1-DH5 2402MHz Hopping Ref



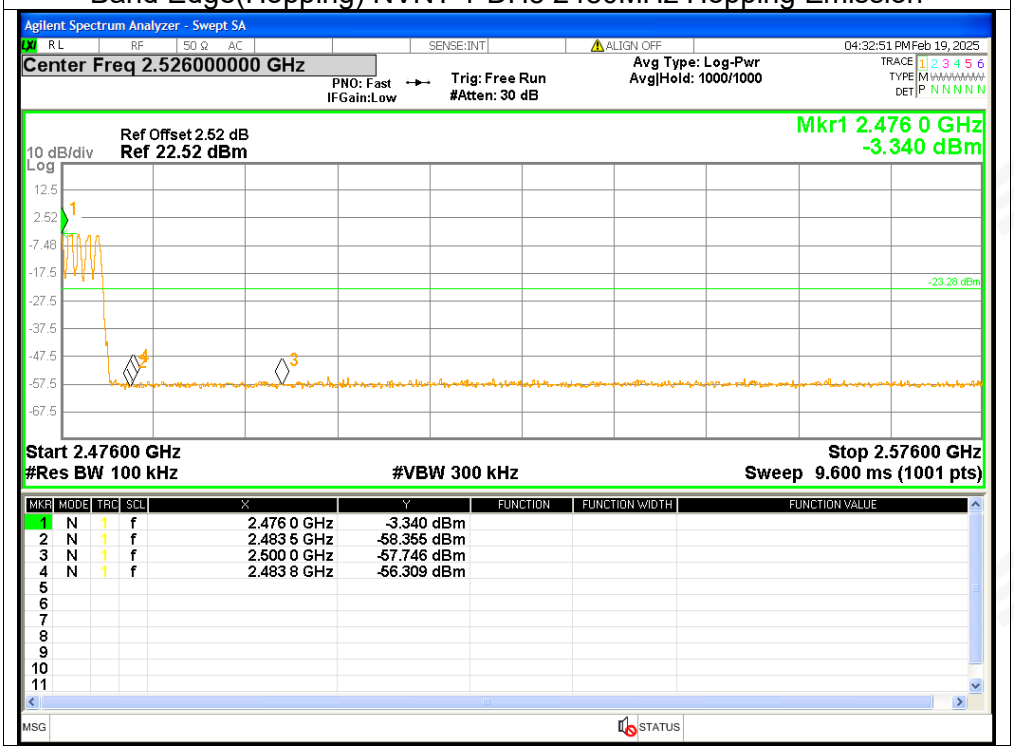
Band Edge(Hopping) NVNT 1-DH5 2402MHz Hopping Emission



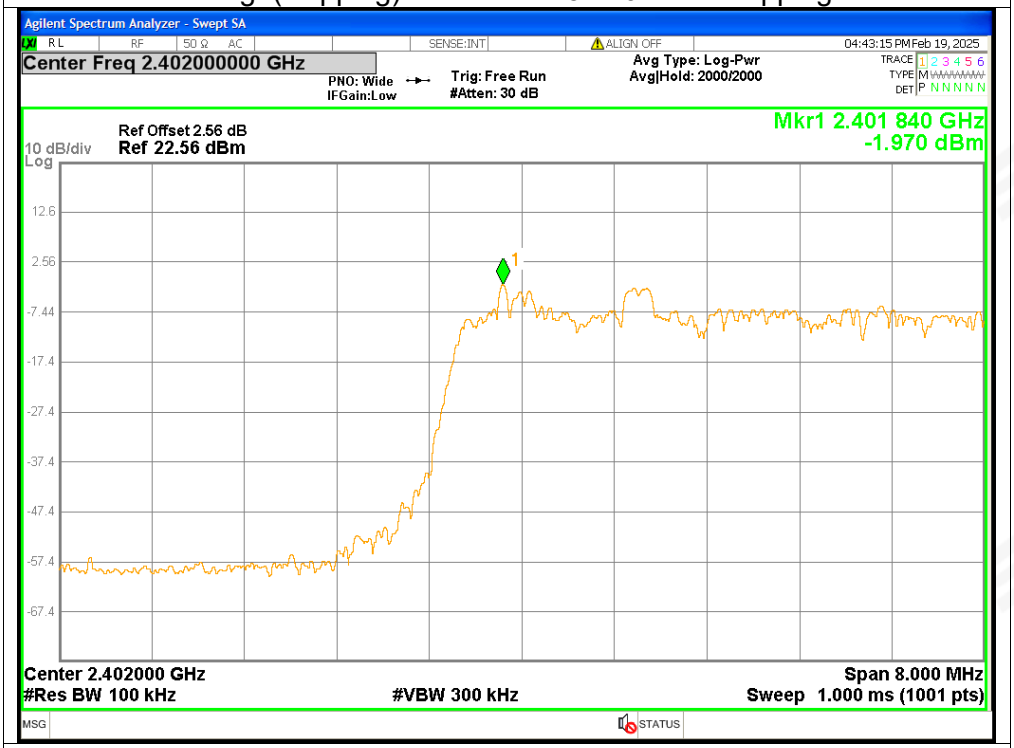
Band Edge(Hopping) NVNT 1-DH5 2480MHz Hopping Ref



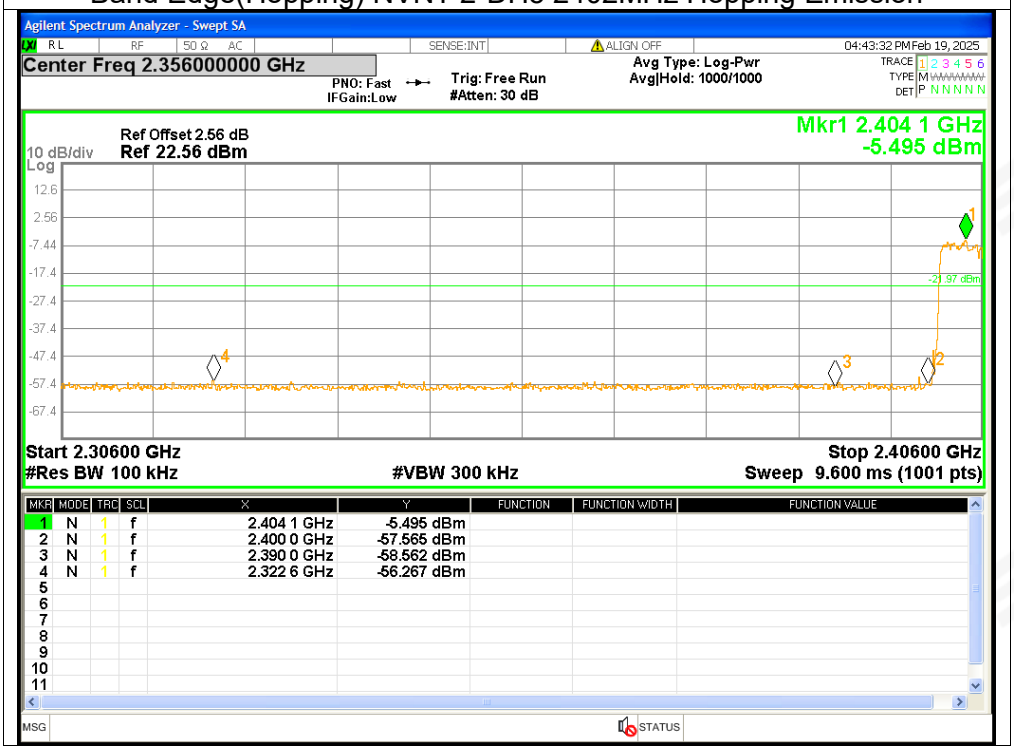
Band Edge(Hopping) NVNT 1-DH5 2480MHz Hopping Emission



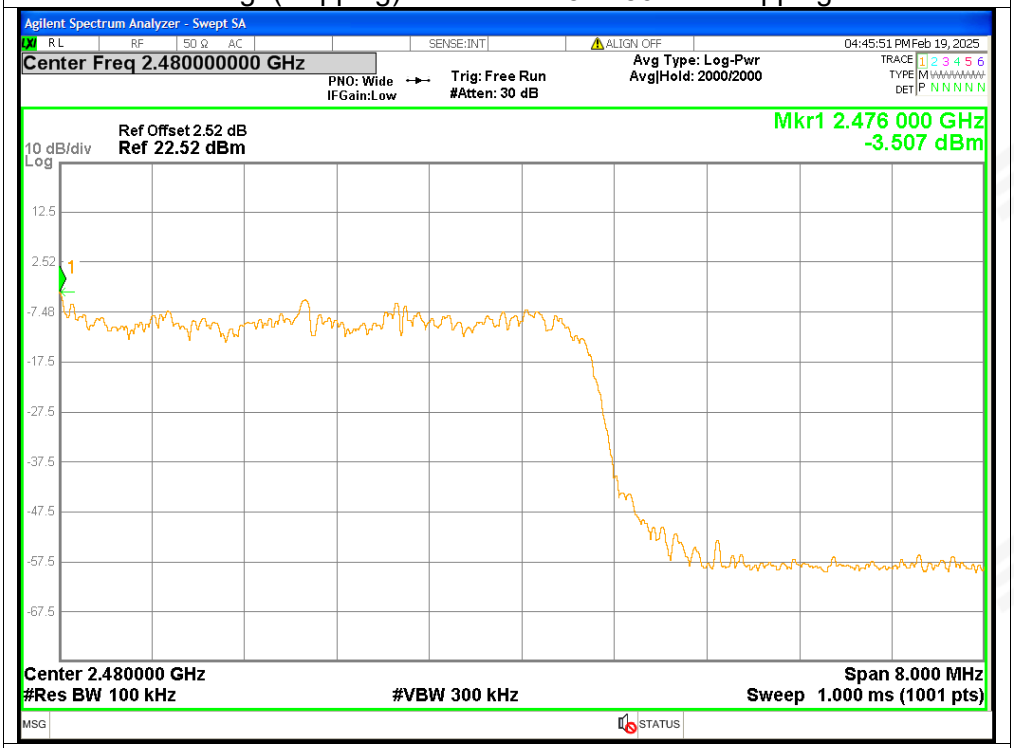
Band Edge(Hopping) NVNT 2-DH5 2402MHz Hopping Ref



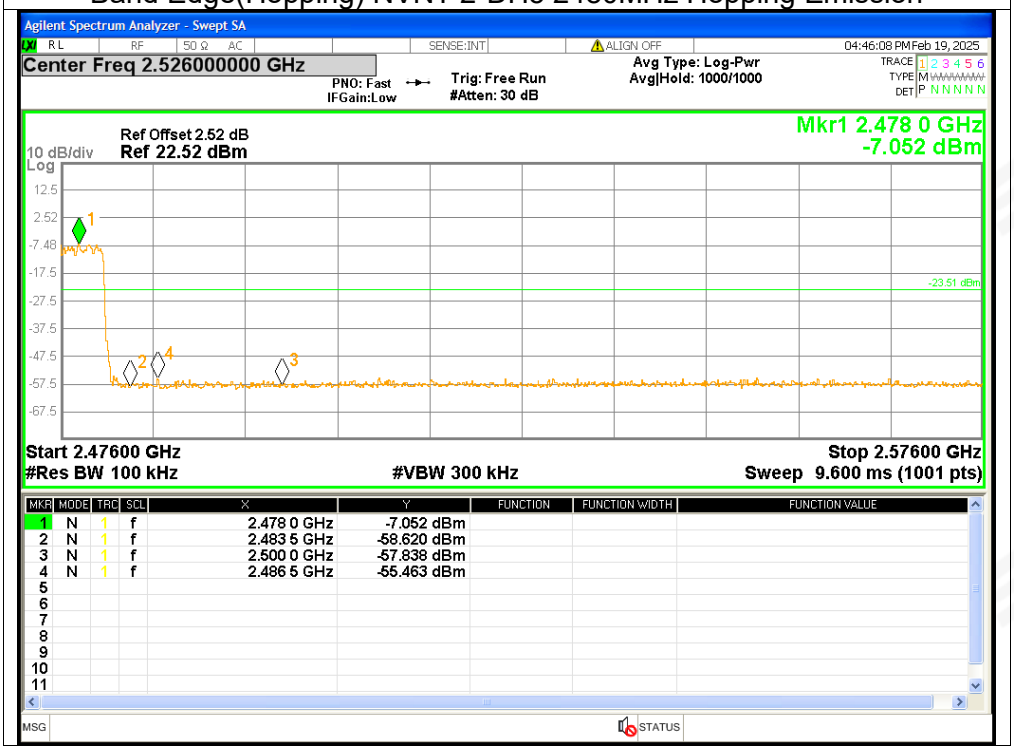
Band Edge(Hopping) NVNT 2-DH5 2402MHz Hopping Emission



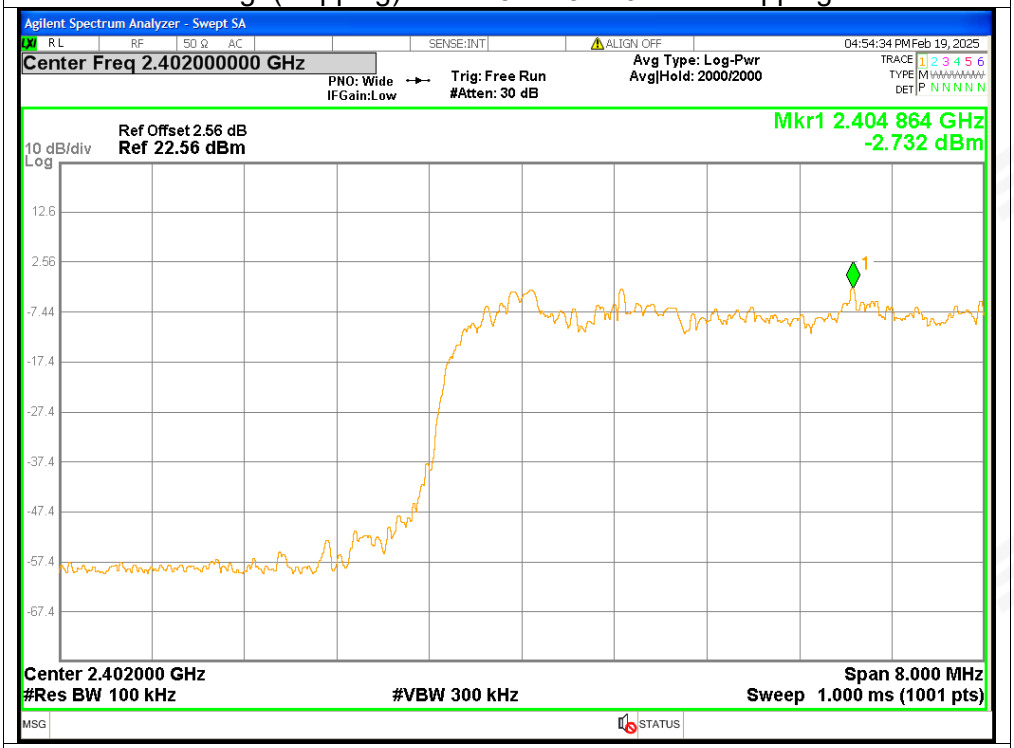
Band Edge(Hopping) NVNT 2-DH5 2480MHz Hopping Ref



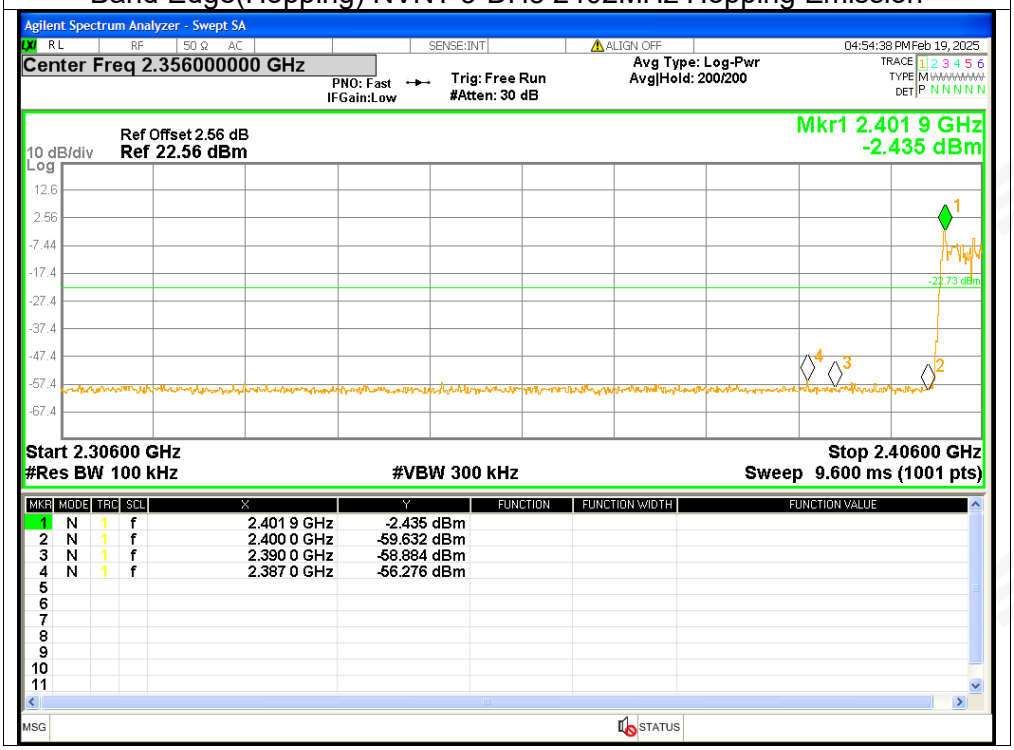
Band Edge(Hopping) NVNT 2-DH5 2480MHz Hopping Emission



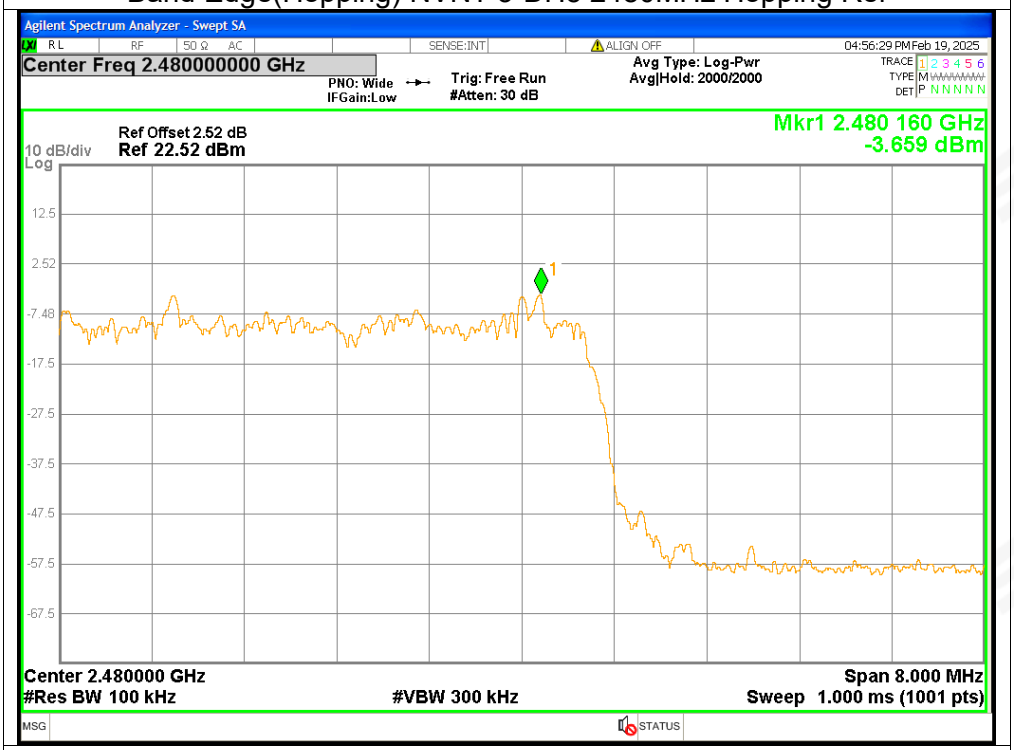
Band Edge(Hopping) NVNT 3-DH5 2402MHz Hopping Ref



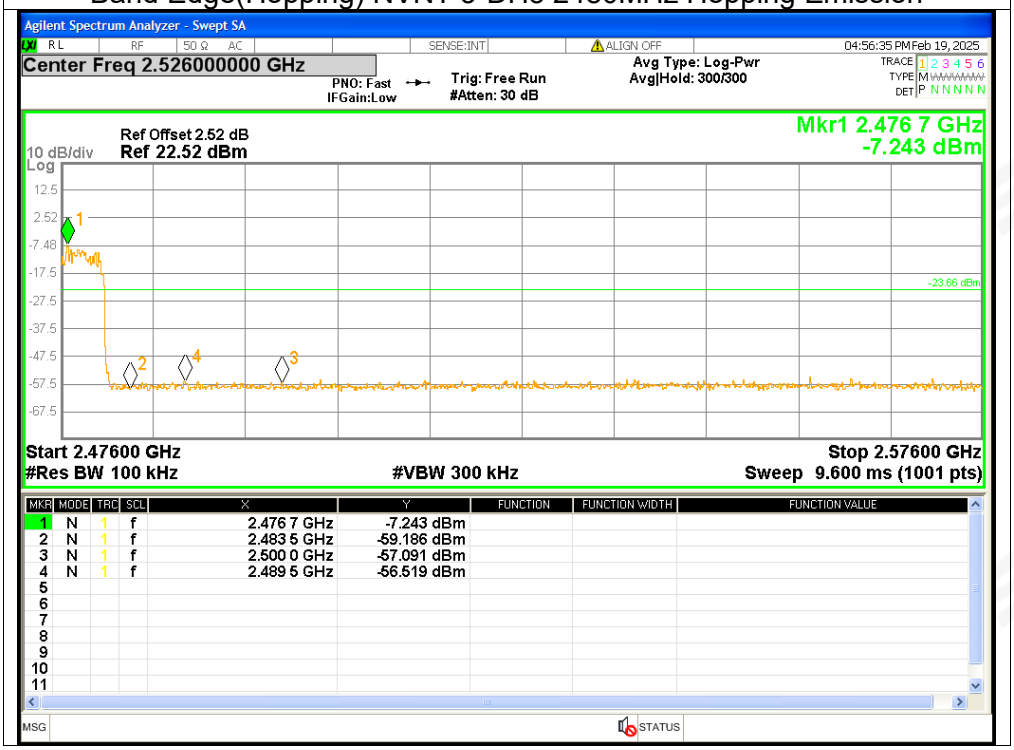
Band Edge(Hopping) NVNT 3-DH5 2402MHz Hopping Emission



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



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



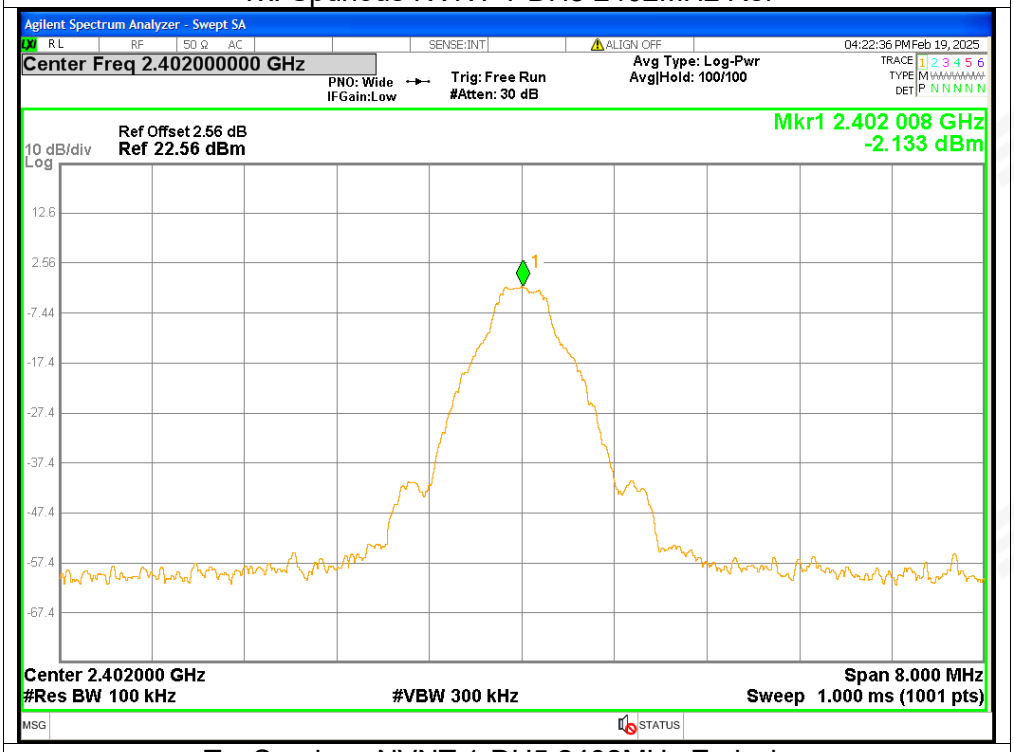
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.476 7 GHz	-7.243 dBm			
2	N	1	f	2.483 5 GHz	-59.186 dBm			
3	N	1	f	2.500 0 GHz	-57.091 dBm			
4	N	1	f	2.489 5 GHz	-56.519 dBm			
5								
6								
7								
8								
9								
10								
11								

8. Conducted RF Spurious Emission

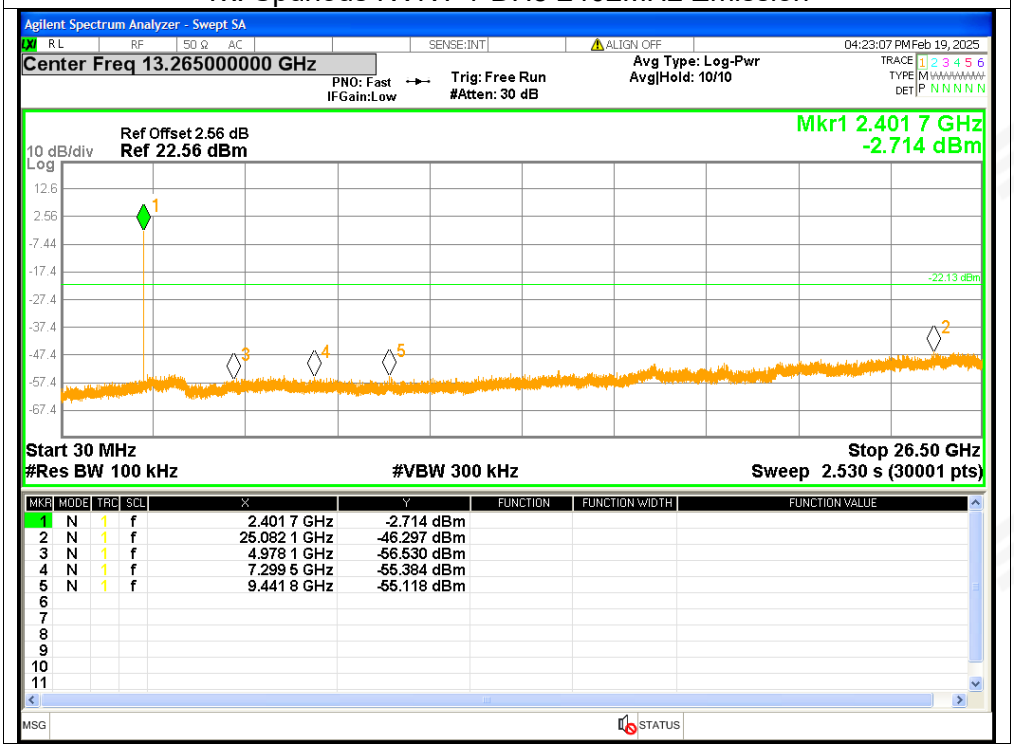
Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	-44.16	<=-20	Pass
NVNT	1-DH5	2441	-43.74	<=-20	Pass
NVNT	1-DH5	2480	-42.06	<=-20	Pass
NVNT	2-DH5	2402	-44.13	<=-20	Pass
NVNT	2-DH5	2441	-42.15	<=-20	Pass
NVNT	2-DH5	2480	-38.28	<=-20	Pass
NVNT	3-DH5	2402	-41.8	<=-20	Pass
NVNT	3-DH5	2441	-41.88	<=-20	Pass
NVNT	3-DH5	2480	-39.1	<=-20	Pass

Test Graphs

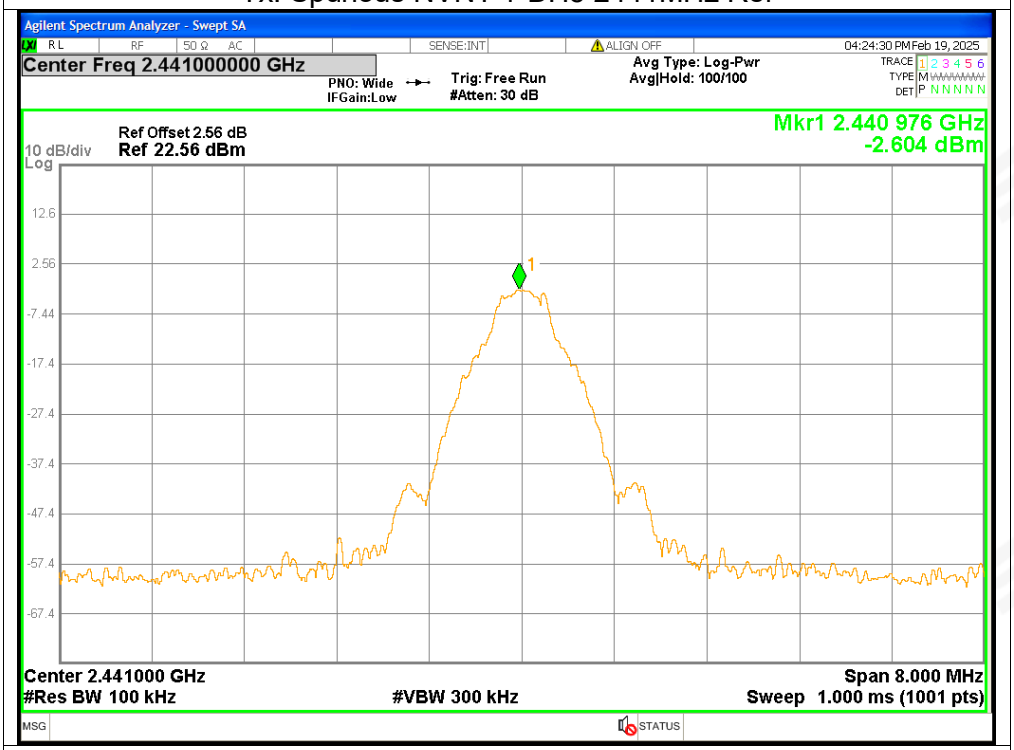
Tx. Spurious NVNT 1-DH5 2402MHz Ref



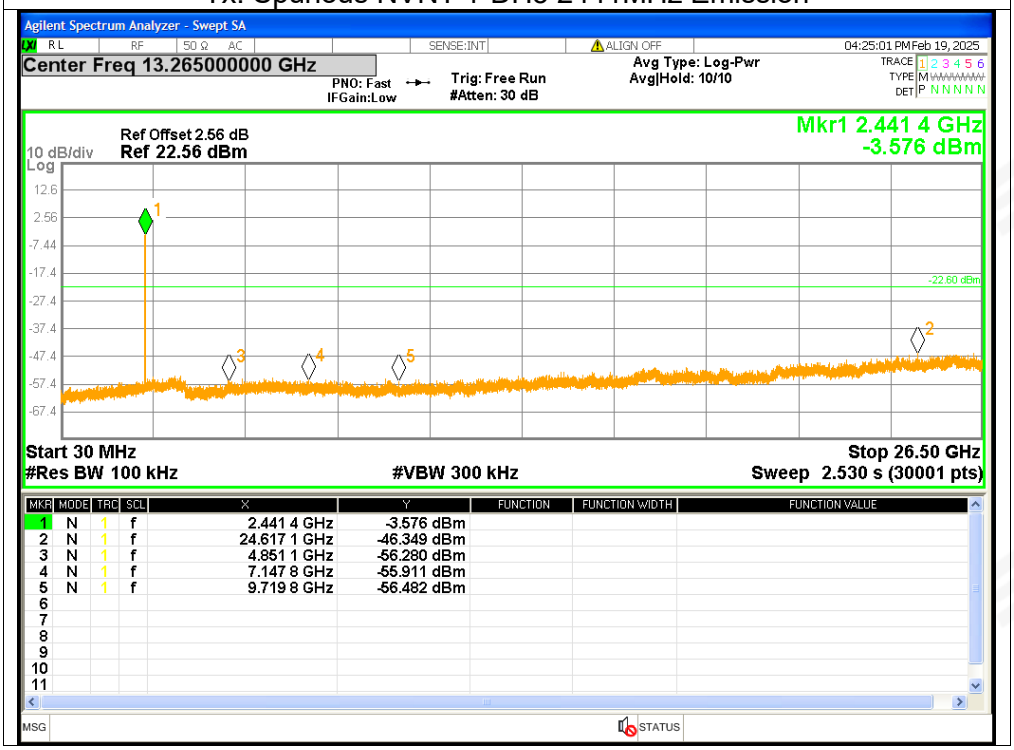
Tx. Spurious NVNT 1-DH5 2402MHz Emission



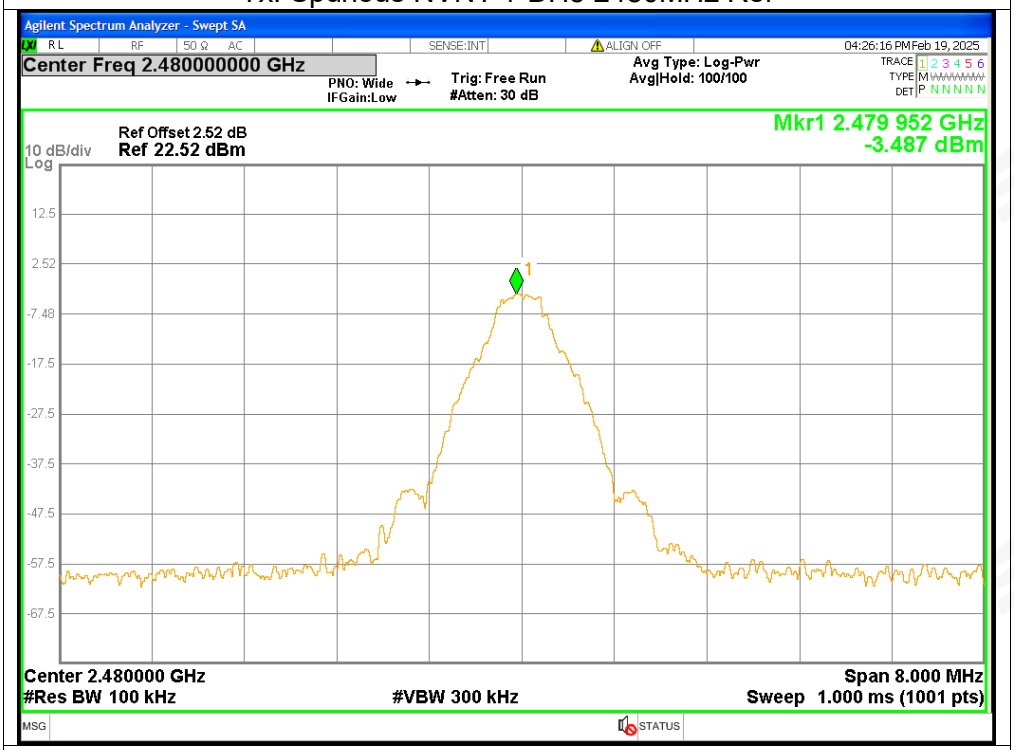
Tx. Spurious NVNT 1-DH5 2441MHz Ref



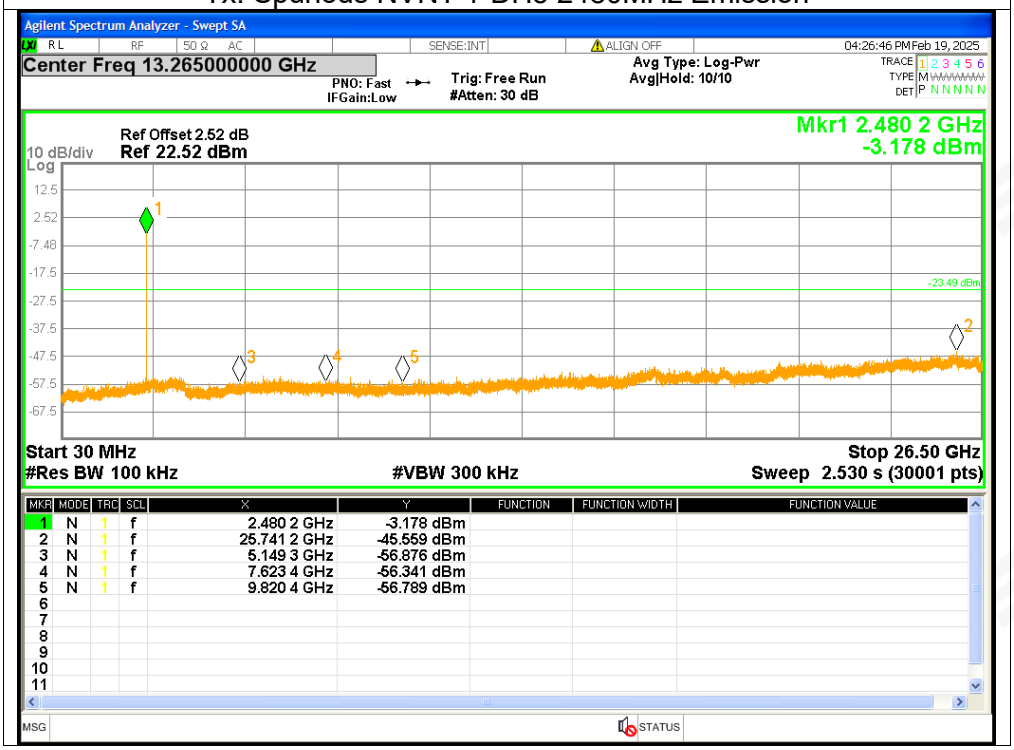
Tx. Spurious NVNT 1-DH5 2441MHz Emission



Tx. Spurious NVNT 1-DH5 2480MHz Ref

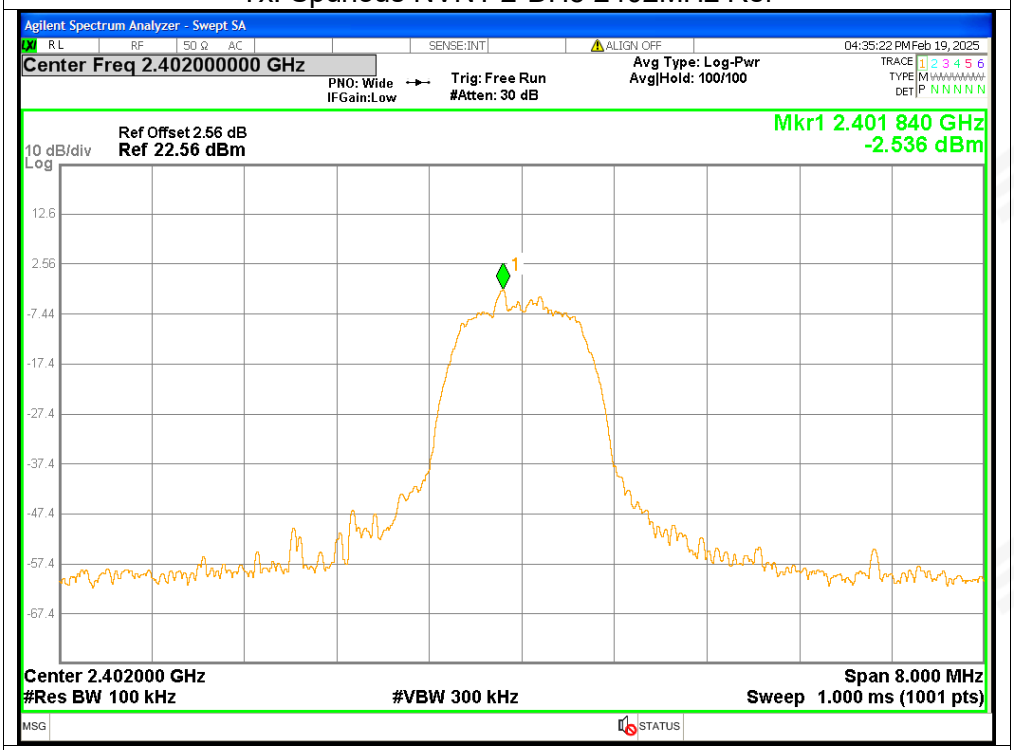


Tx. Spurious NVNT 1-DH5 2480MHz Emission

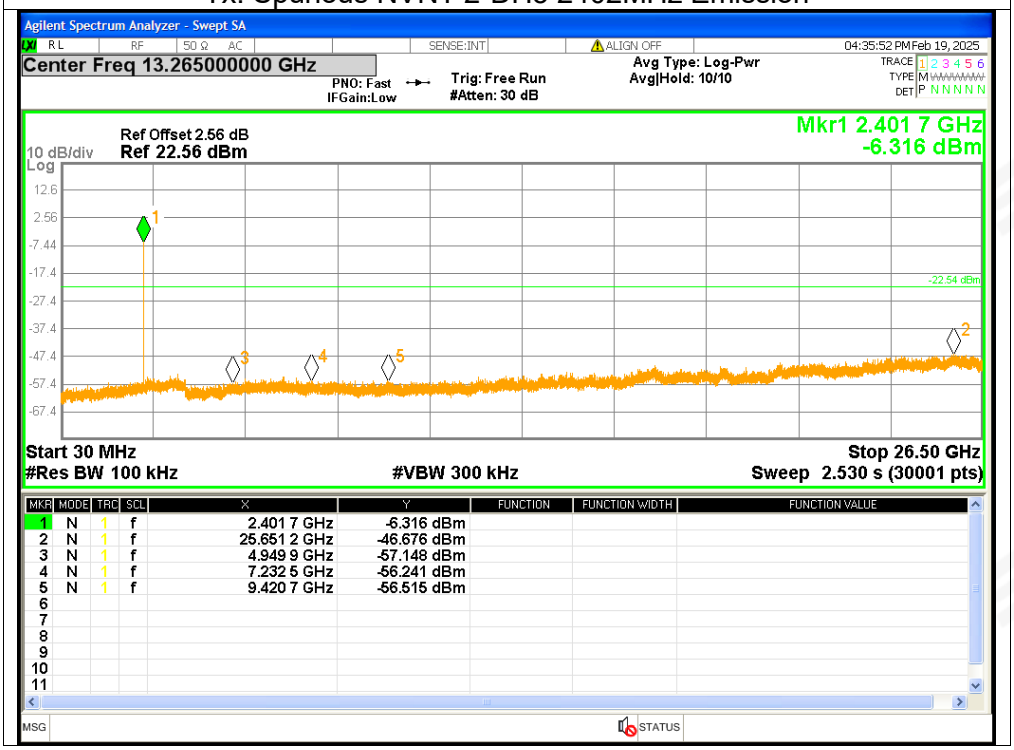


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.480 2 GHz	-3.178 dBm			
2	N	1	f	25.741 2 GHz	-45.559 dBm			
3	N	1	f	5.149 3 GHz	-56.876 dBm			
4	N	1	f	7.623 4 GHz	-56.341 dBm			
5	N	1	f	9.820 4 GHz	-56.789 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT 2-DH5 2402MHz Ref

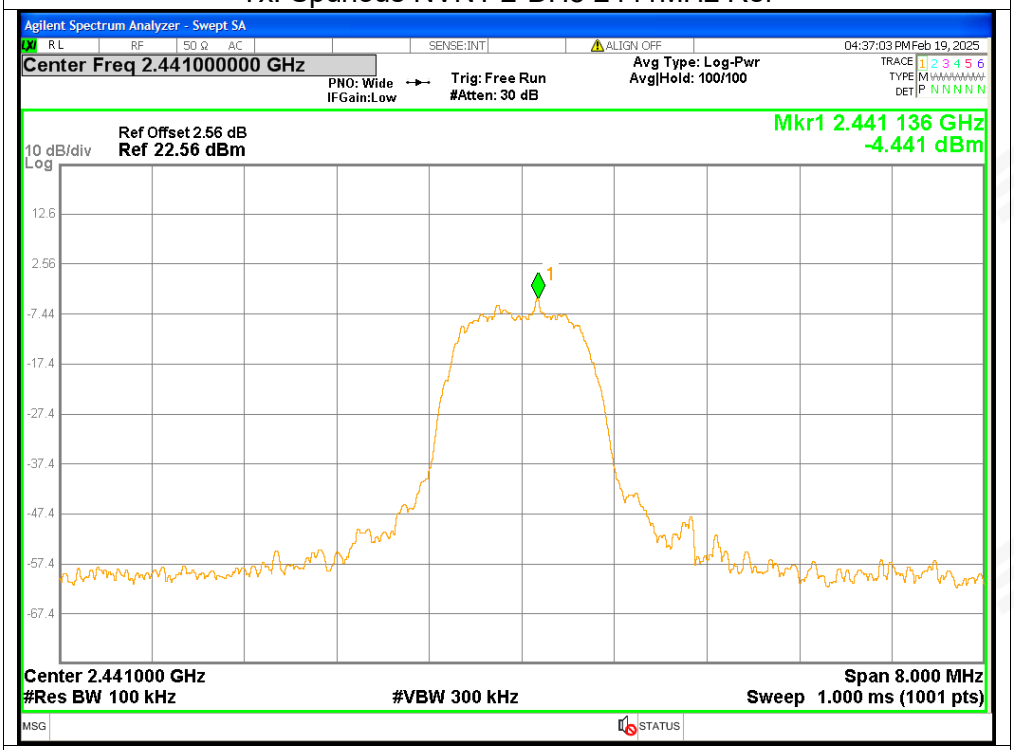


Tx. Spurious NVNT 2-DH5 2402MHz Emission

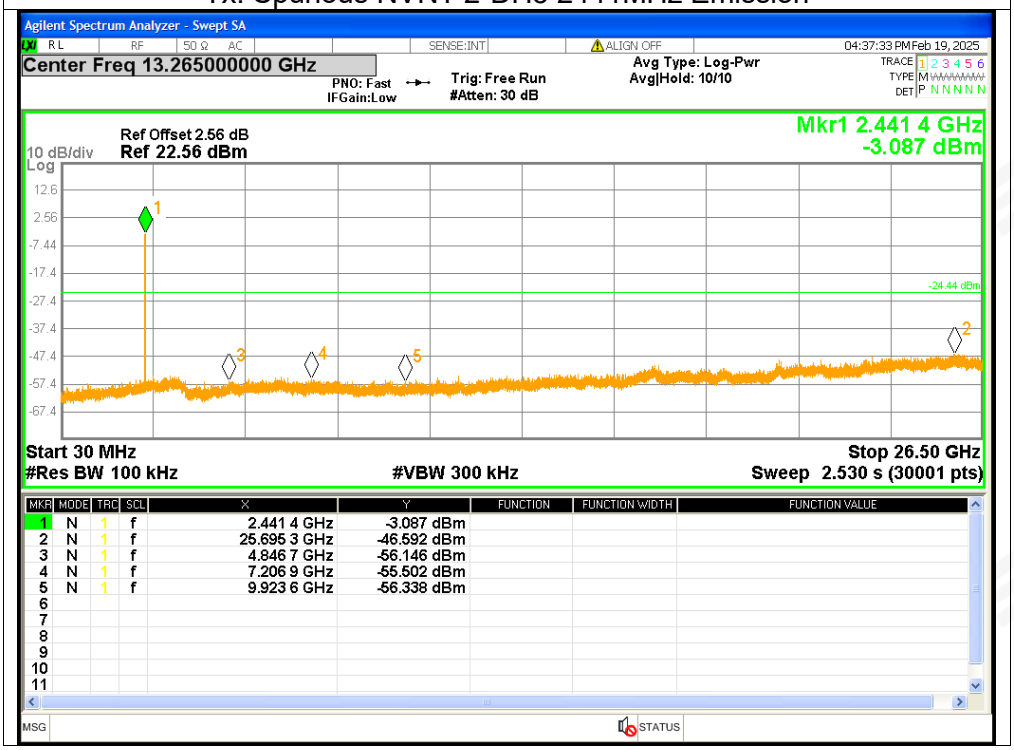


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.401 7 GHz	-6.316 dBm			
2	N	1	f	25.651 2 GHz	-46.676 dBm			
3	N	1	f	4.949 9 GHz	-57.148 dBm			
4	N	1	f	7.232 5 GHz	-56.241 dBm			
5	N	1	f	9.420 7 GHz	-56.515 dBm			
6								
7								
8								
9								
10								
11								

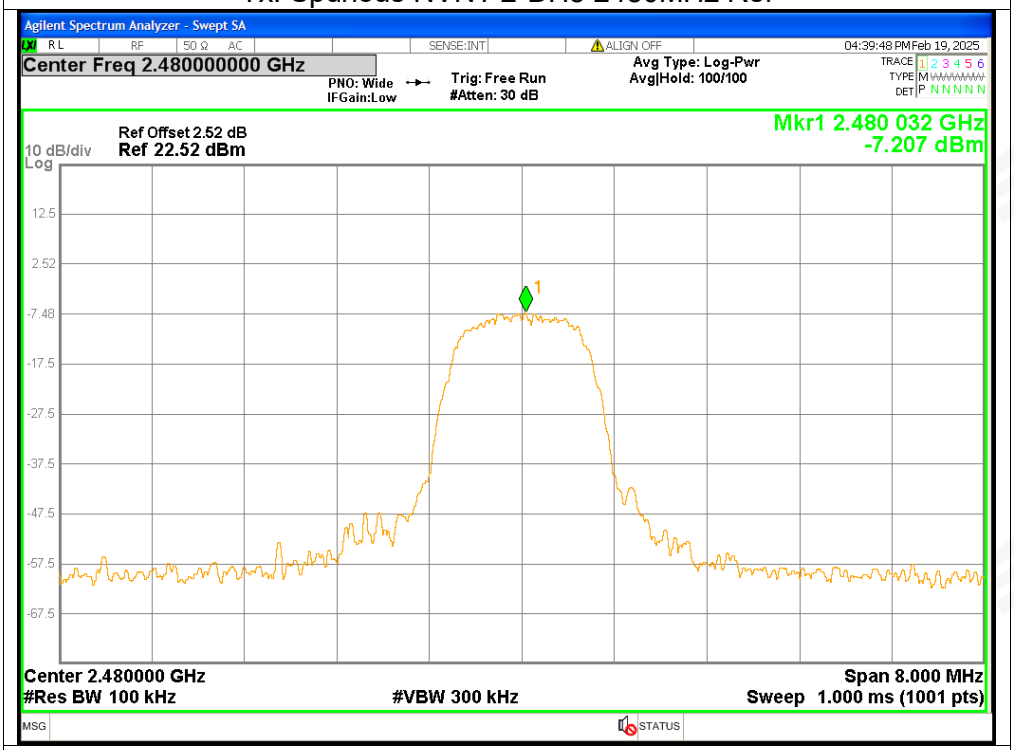
Tx. Spurious NVNT 2-DH5 2441MHz Ref



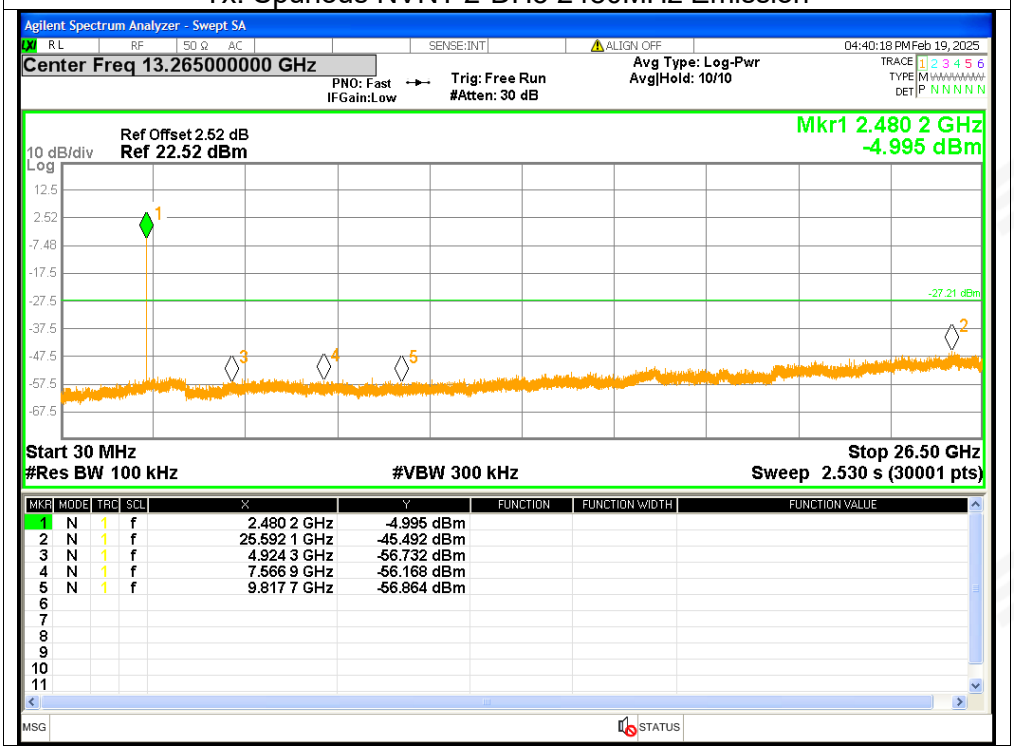
Tx. Spurious NVNT 2-DH5 2441MHz Emission



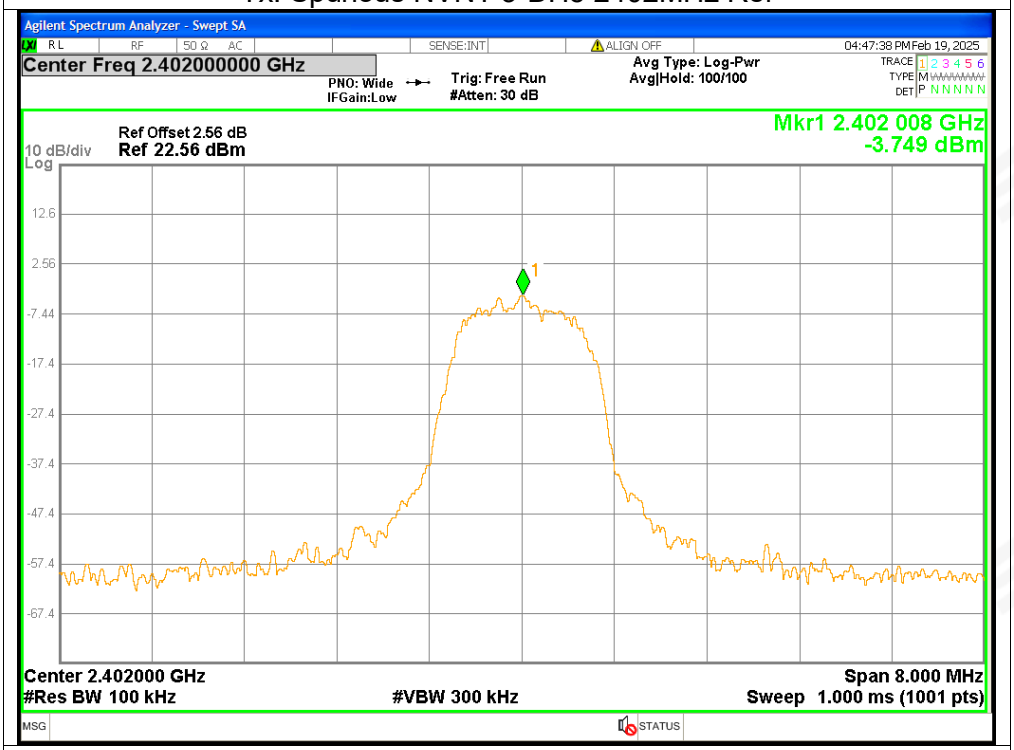
Tx. Spurious NVNT 2-DH5 2480MHz Ref



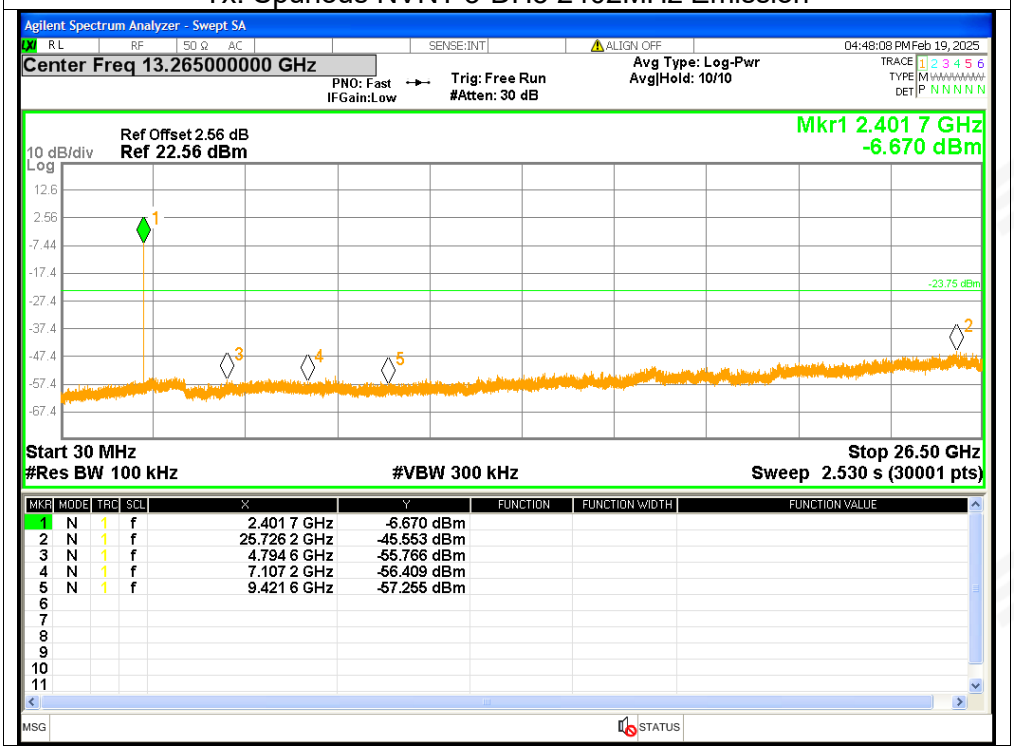
Tx. Spurious NVNT 2-DH5 2480MHz Emission



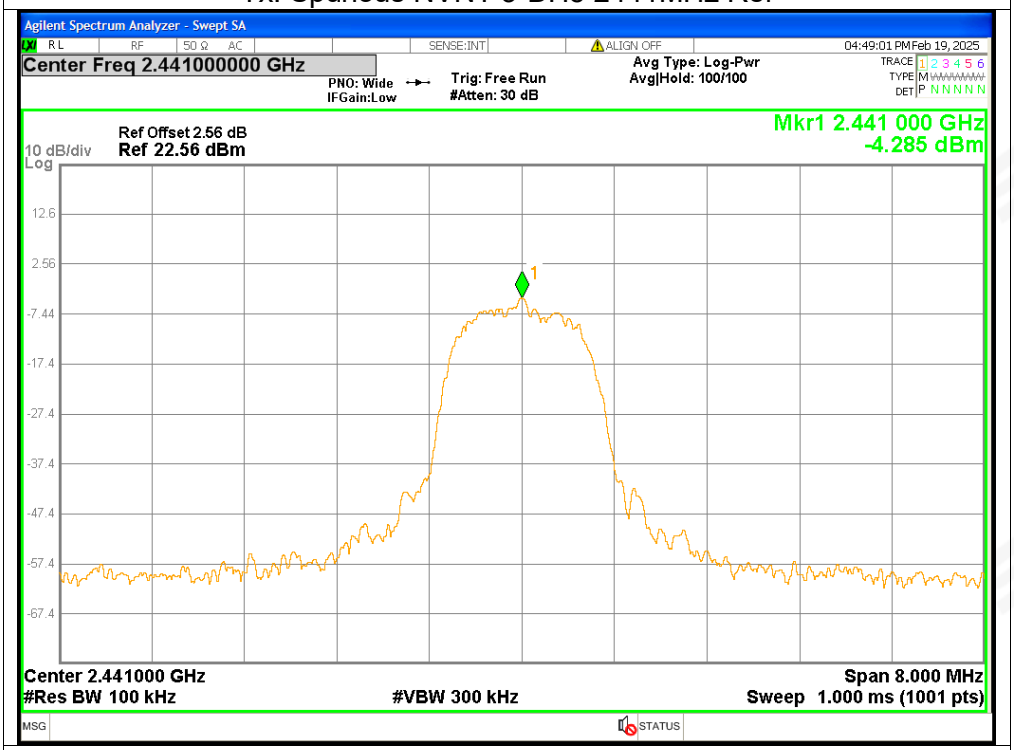
Tx. Spurious NVNT 3-DH5 2402MHz Ref



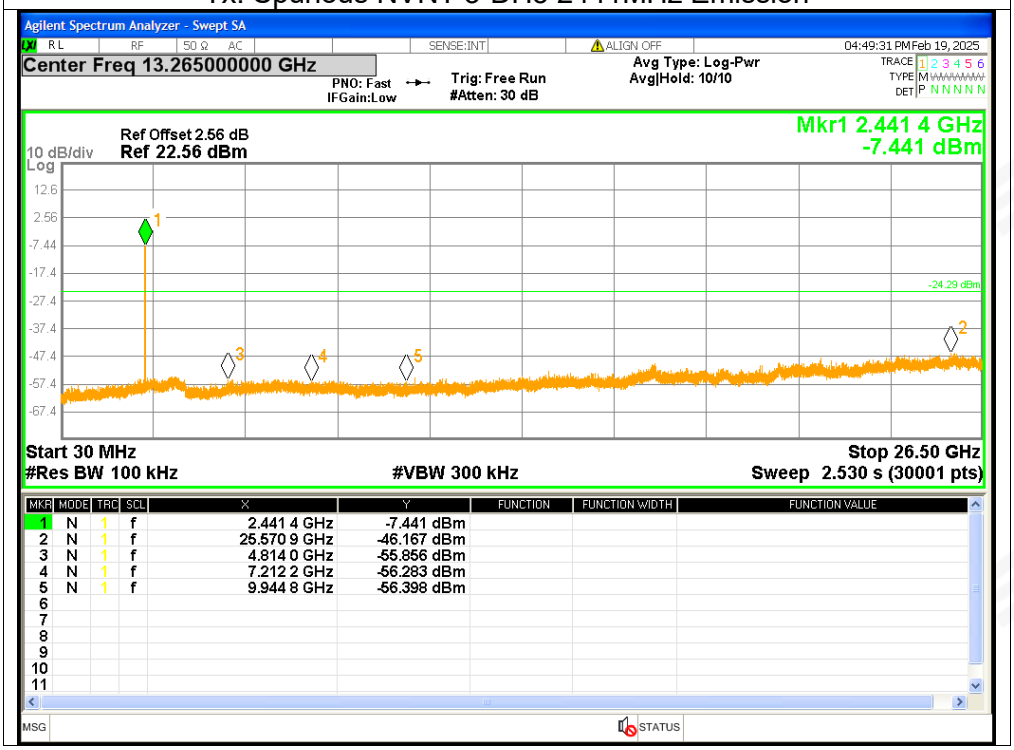
Tx. Spurious NVNT 3-DH5 2402MHz Emission



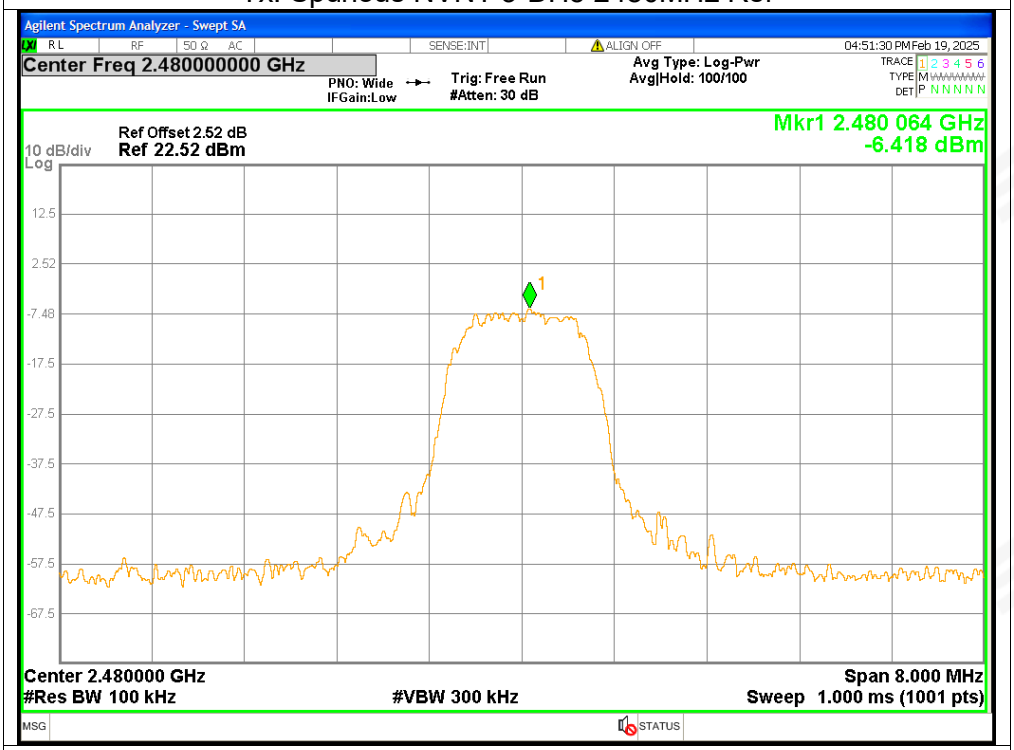
Tx. Spurious NVNT 3-DH5 2441MHz Ref



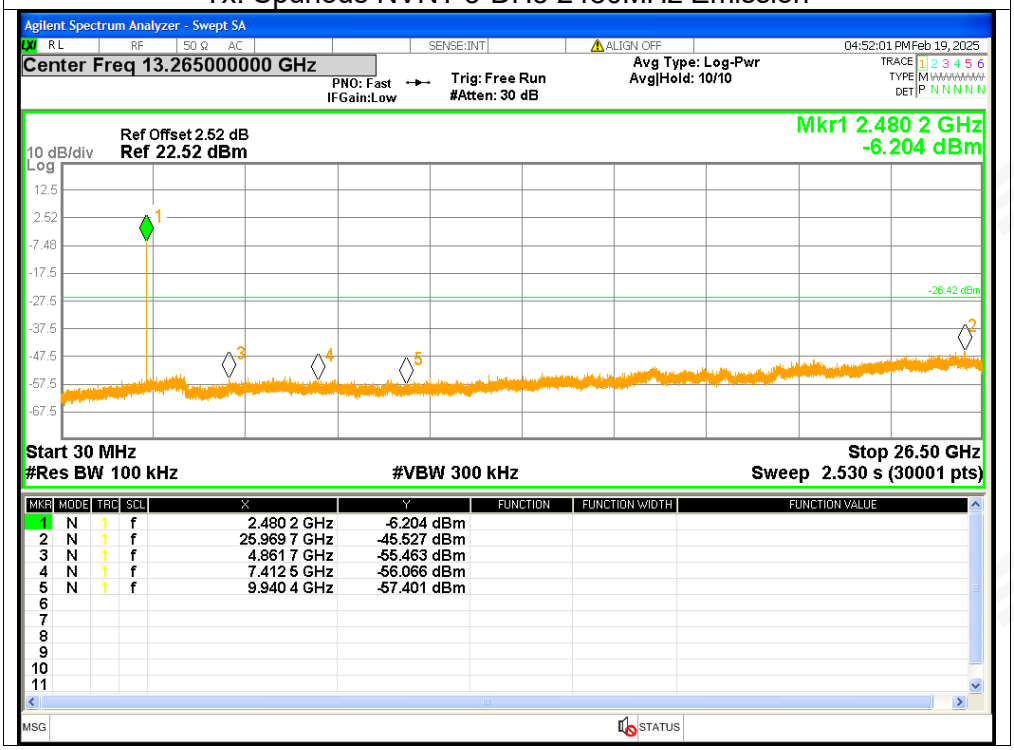
Tx. Spurious NVNT 3-DH5 2441MHz Emission



Tx. Spurious NVNT 3-DH5 2480MHz Ref



Tx. Spurious NVNT 3-DH5 2480MHz Emission



APPENDIX 2-PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

※※※※※END OF THE REPORT※※※※※