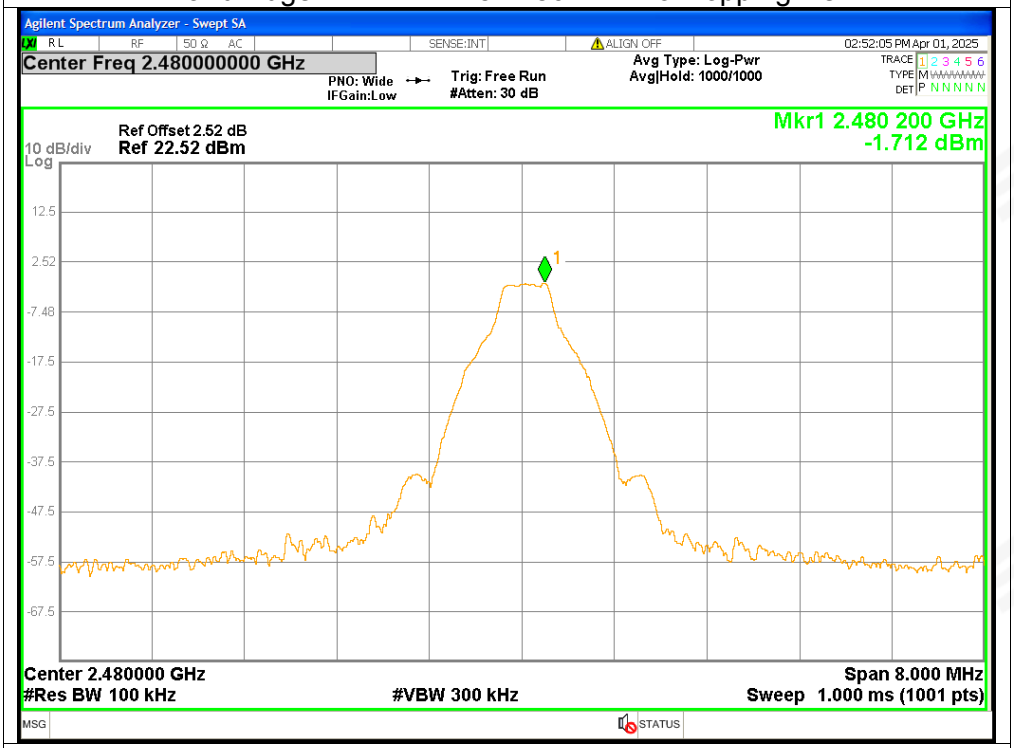
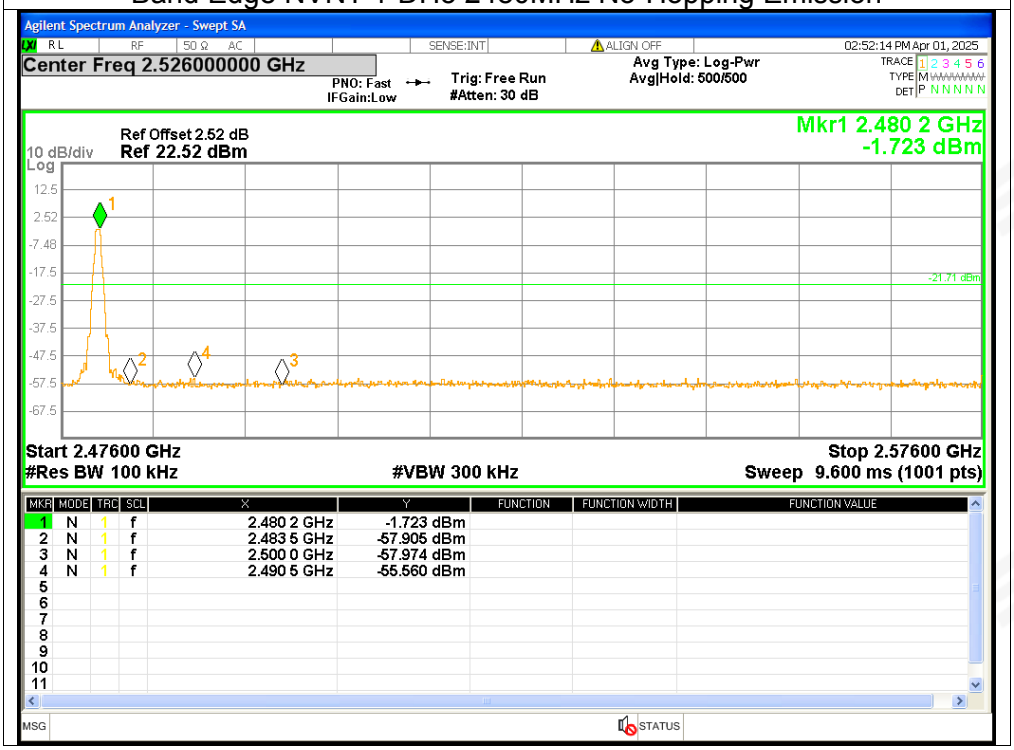
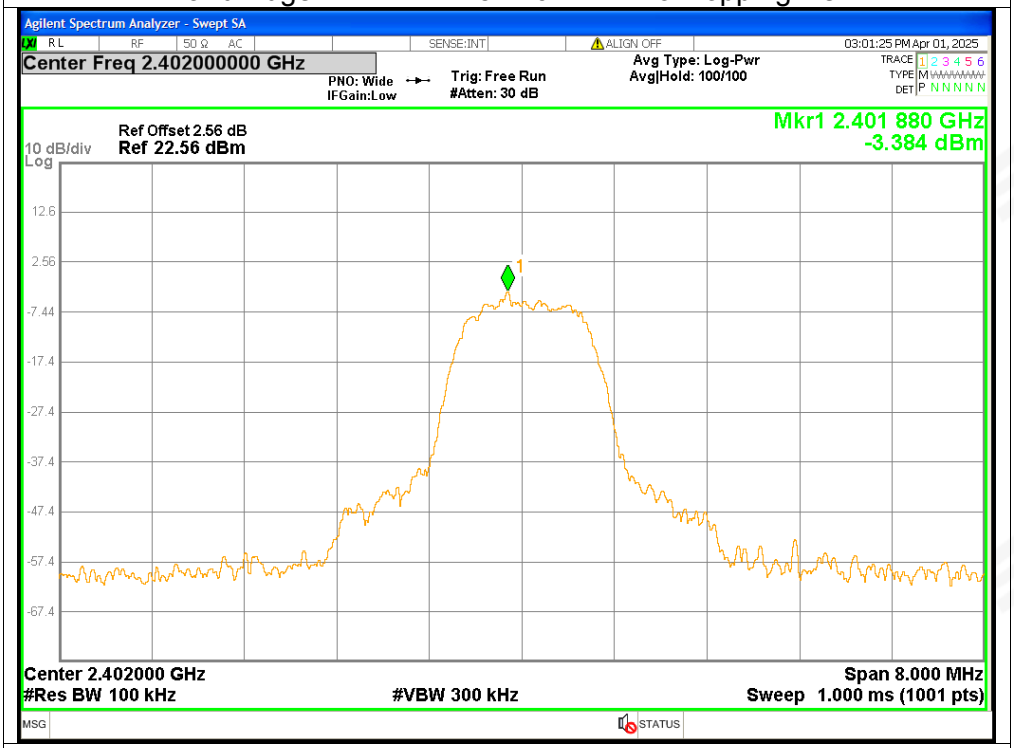
Band Edge NVNT 1-DH5 2480MHz No-Hopping Ref



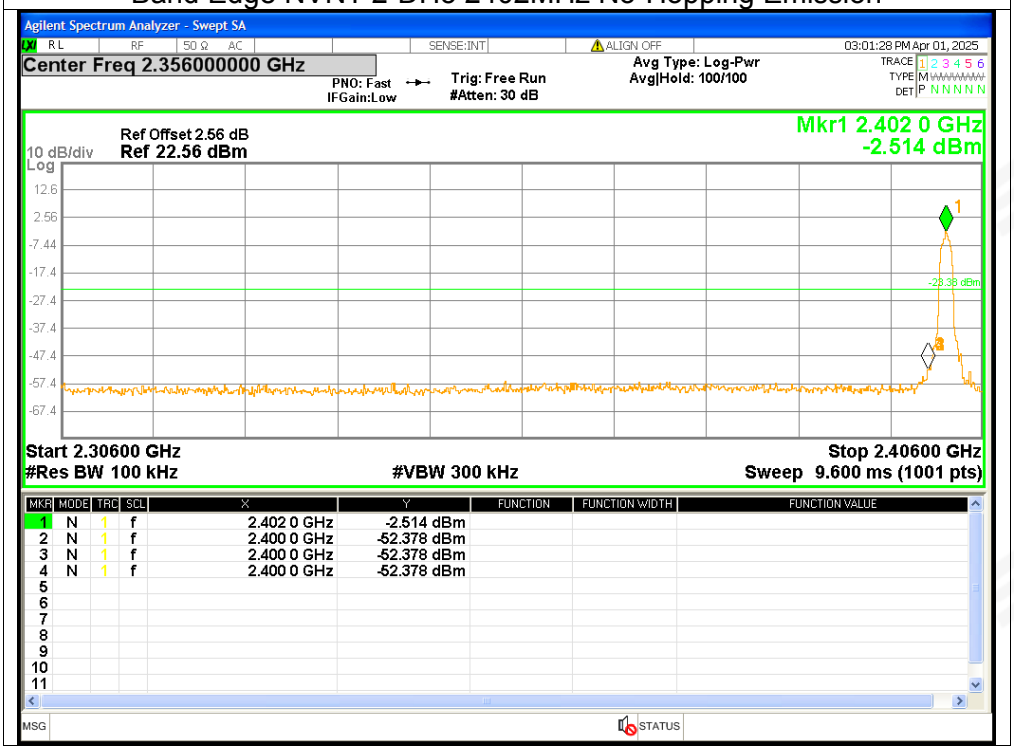
Band Edge NVNT 1-DH5 2480MHz No-Hopping Emission



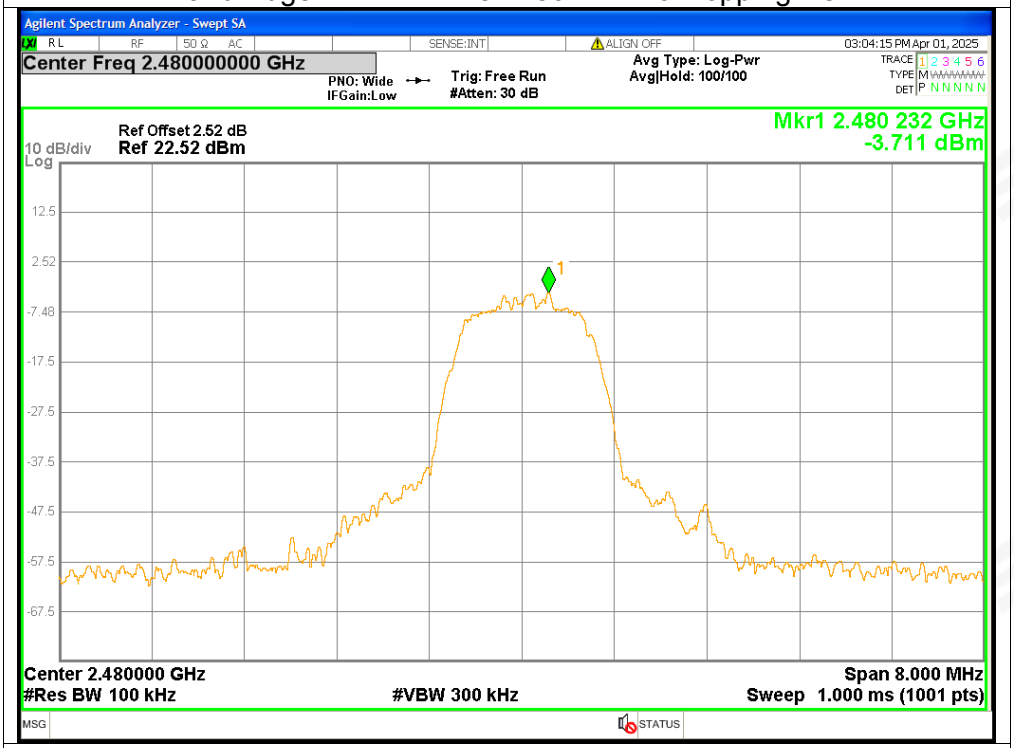
Band Edge NVNT 2-DH5 2402MHz No-Hopping Ref



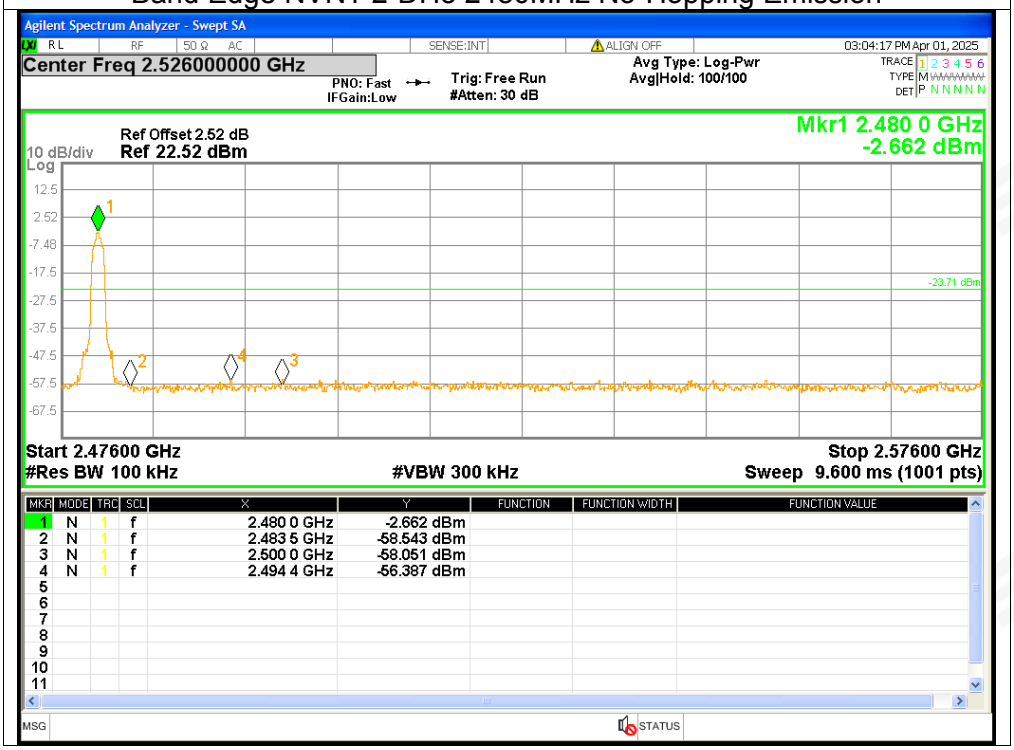
Band Edge NVNT 2-DH5 2402MHz No-Hopping Emission



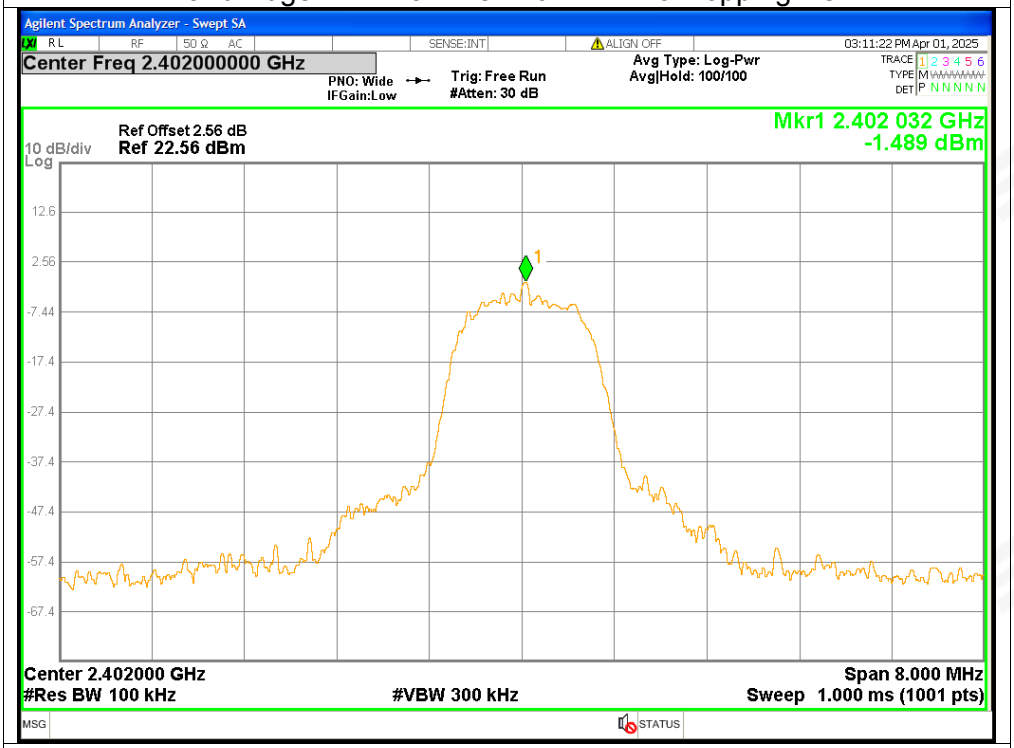
Band Edge NVNT 2-DH5 2480MHz No-Hopping Ref



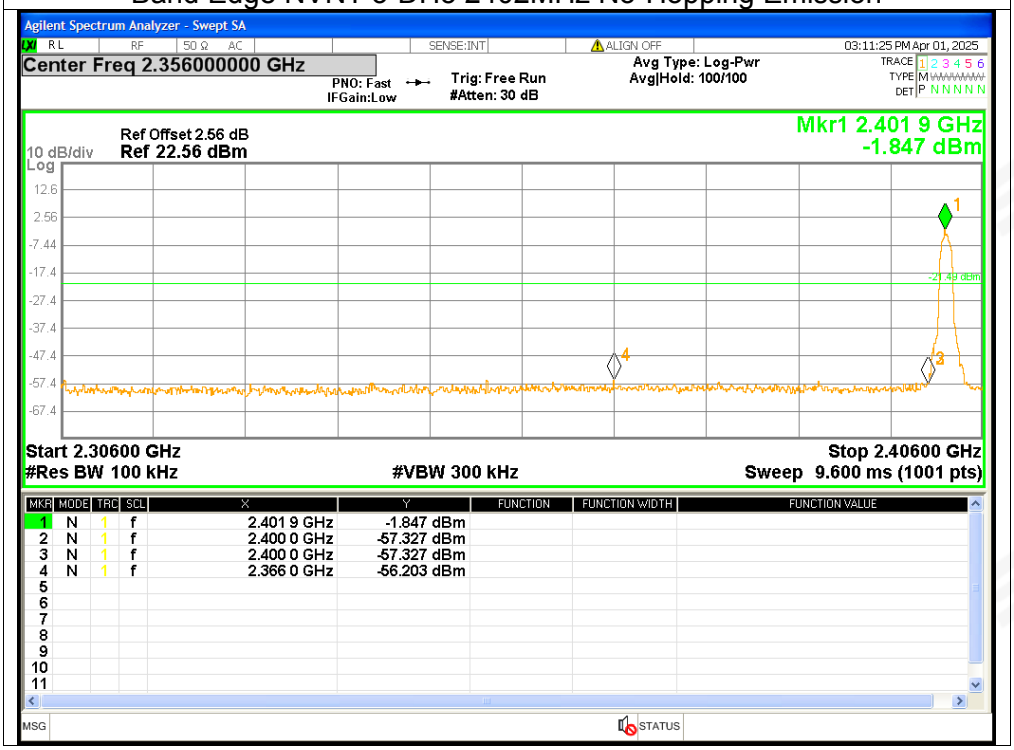
Band Edge NVNT 2-DH5 2480MHz No-Hopping Emission



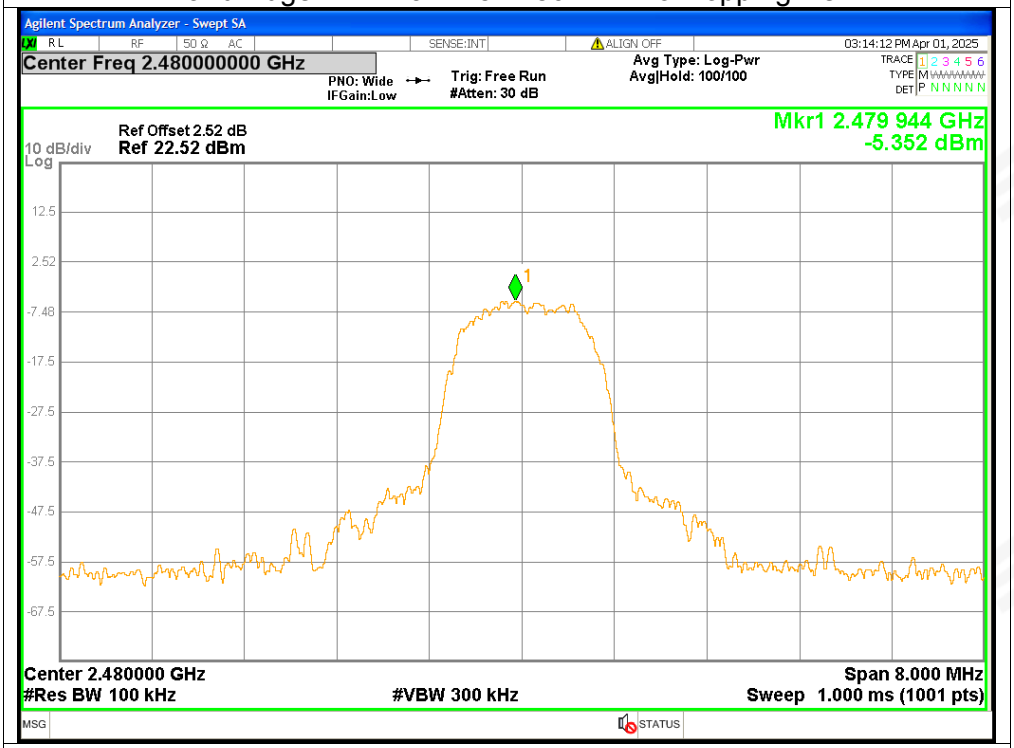
Band Edge NVNT 3-DH5 2402MHz No-Hopping Ref



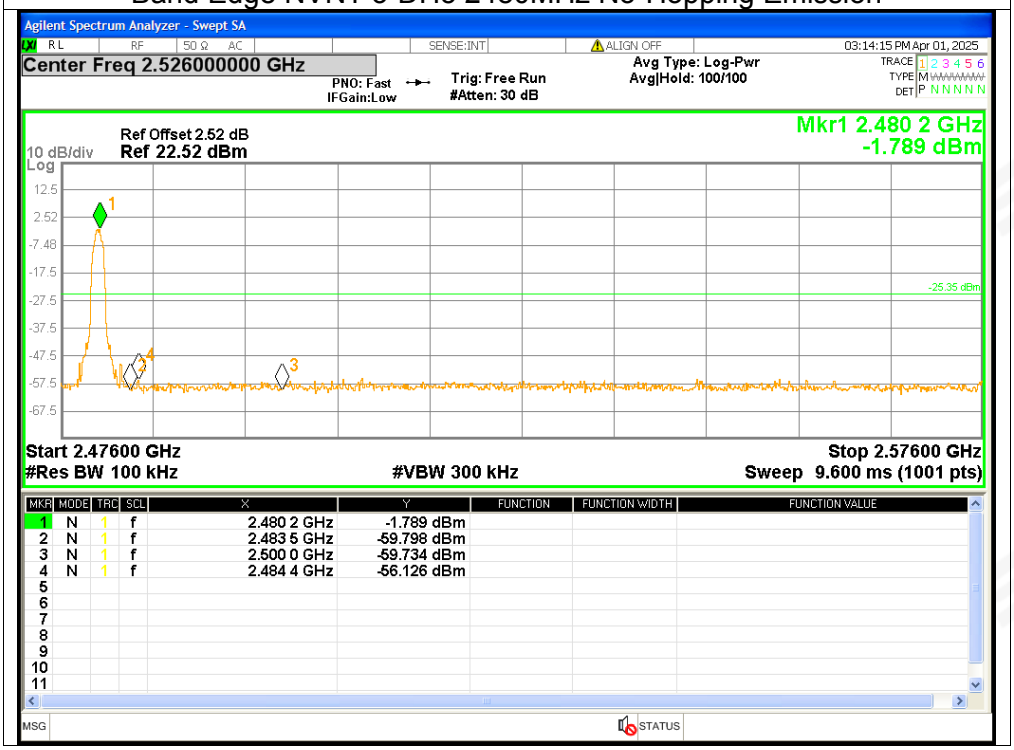
Band Edge NVNT 3-DH5 2402MHz No-Hopping Emission



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



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

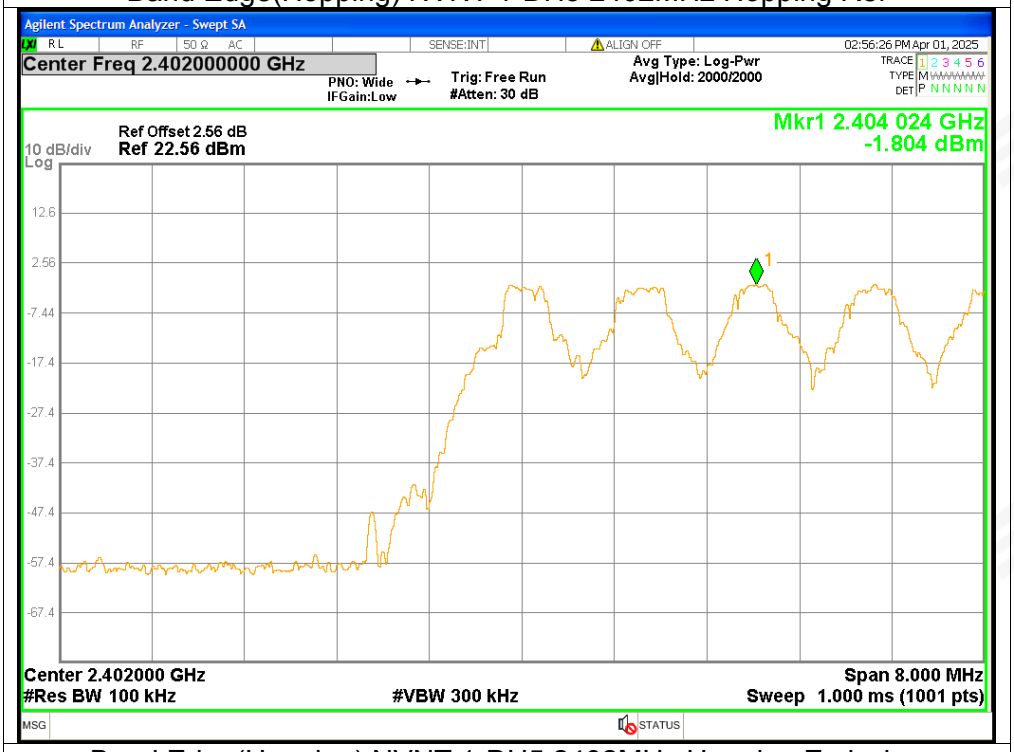


8. Band Edge(Hopping)

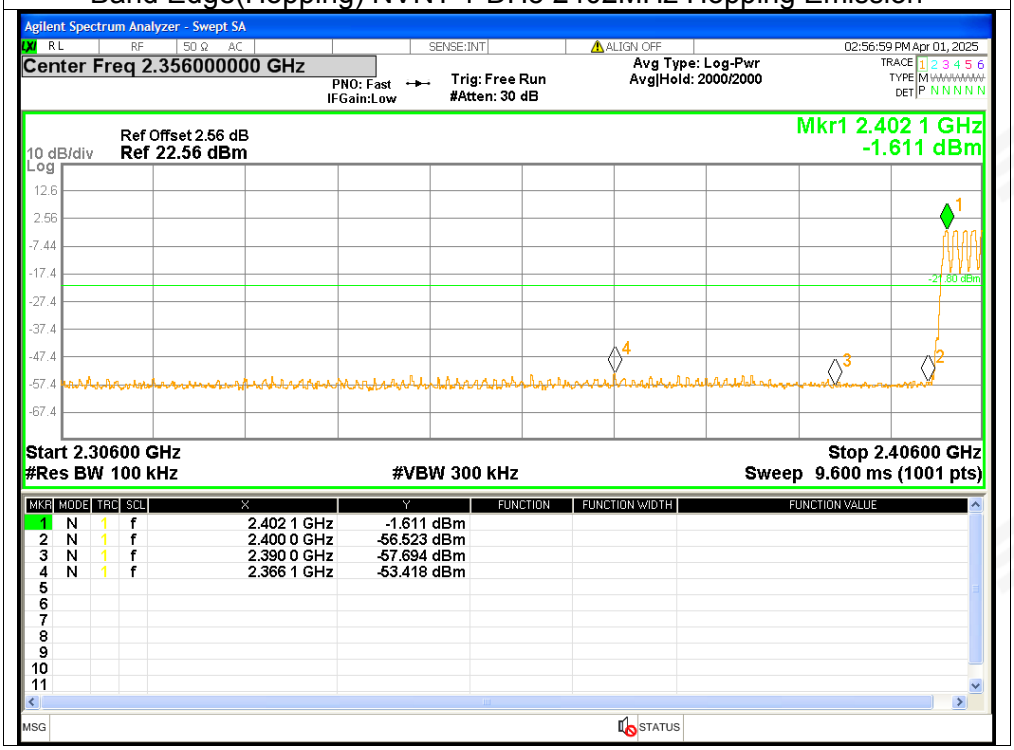
Condition	Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Hopping	-51.61	<=-20	Pass
NVNT	1-DH5	2480	Hopping	-52.78	<=-20	Pass
NVNT	2-DH5	2402	Hopping	-53.08	<=-20	Pass
NVNT	2-DH5	2480	Hopping	-53.5	<=-20	Pass
NVNT	3-DH5	2402	Hopping	-54.11	<=-20	Pass
NVNT	3-DH5	2480	Hopping	-53.55	<=-20	Pass

Test Graphs

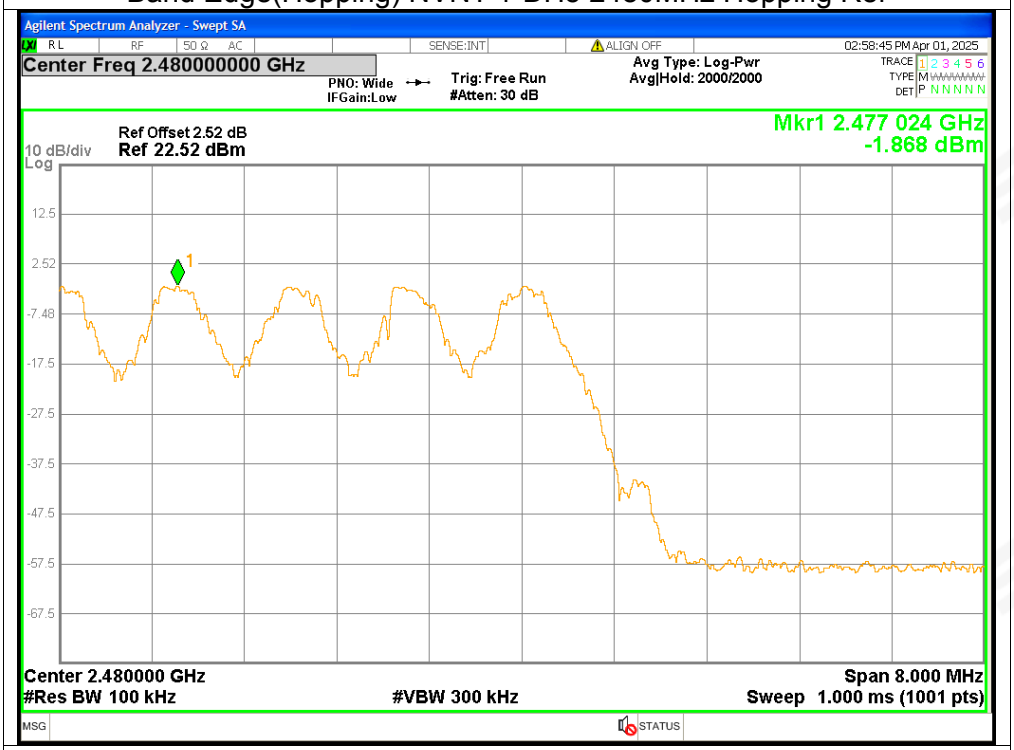
Band Edge(Hopping) NVNT 1-DH5 2402MHz Hopping Ref



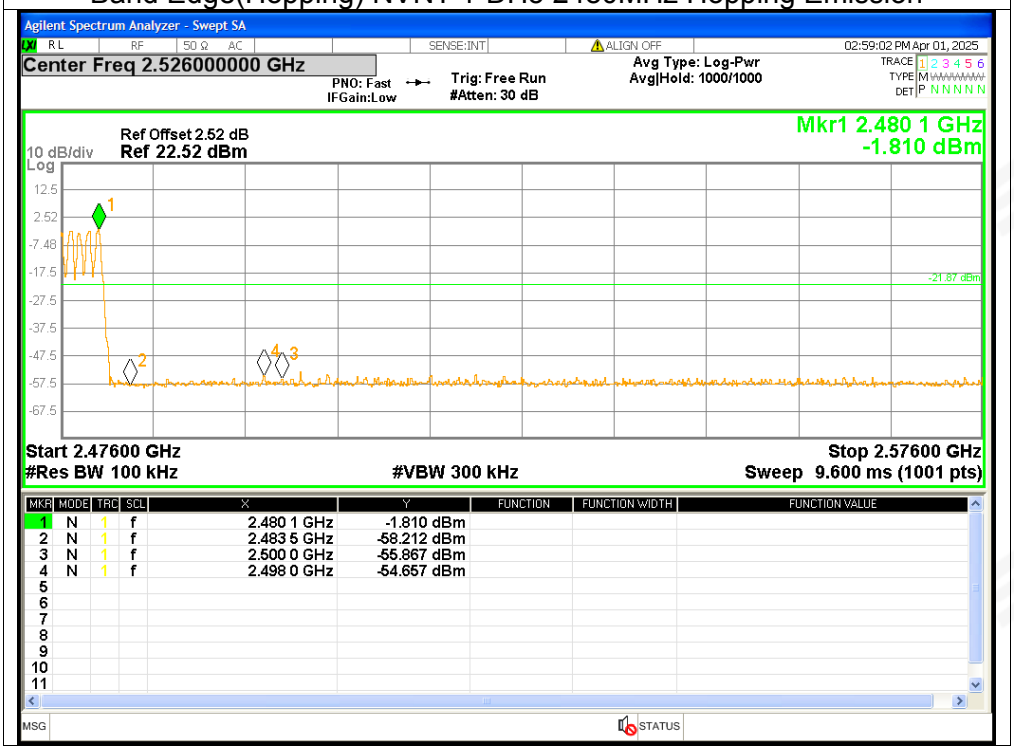
Band Edge(Hopping) NVNT 1-DH5 2402MHz Hopping Emission



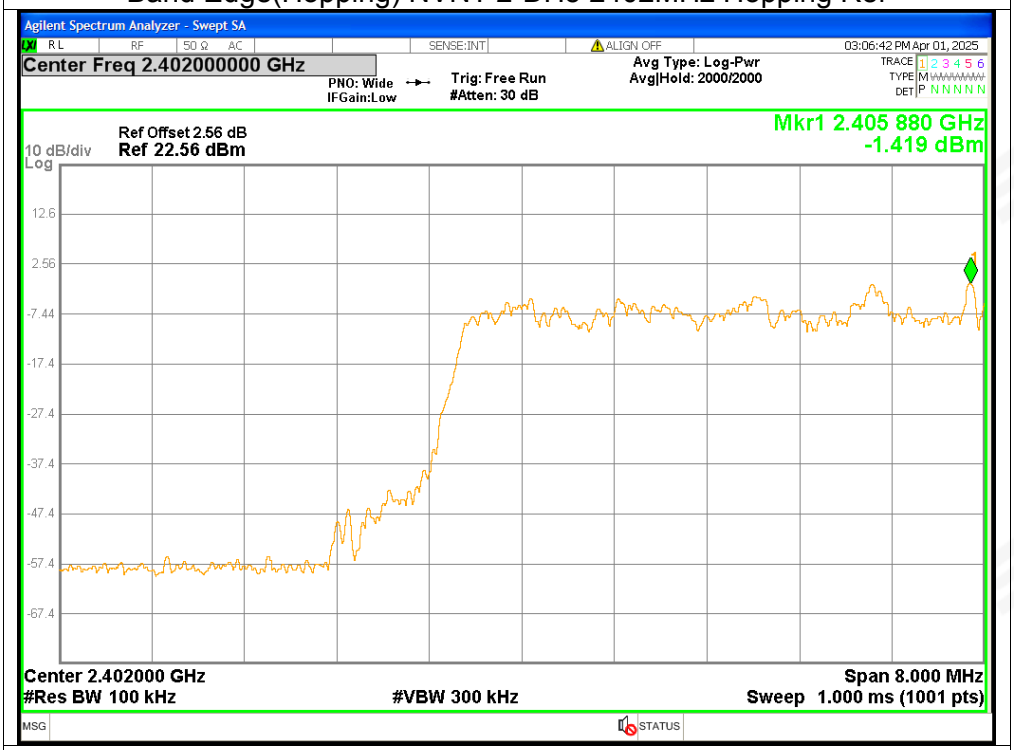
Band Edge(Hopping) NVNT 1-DH5 2480MHz Hopping Ref



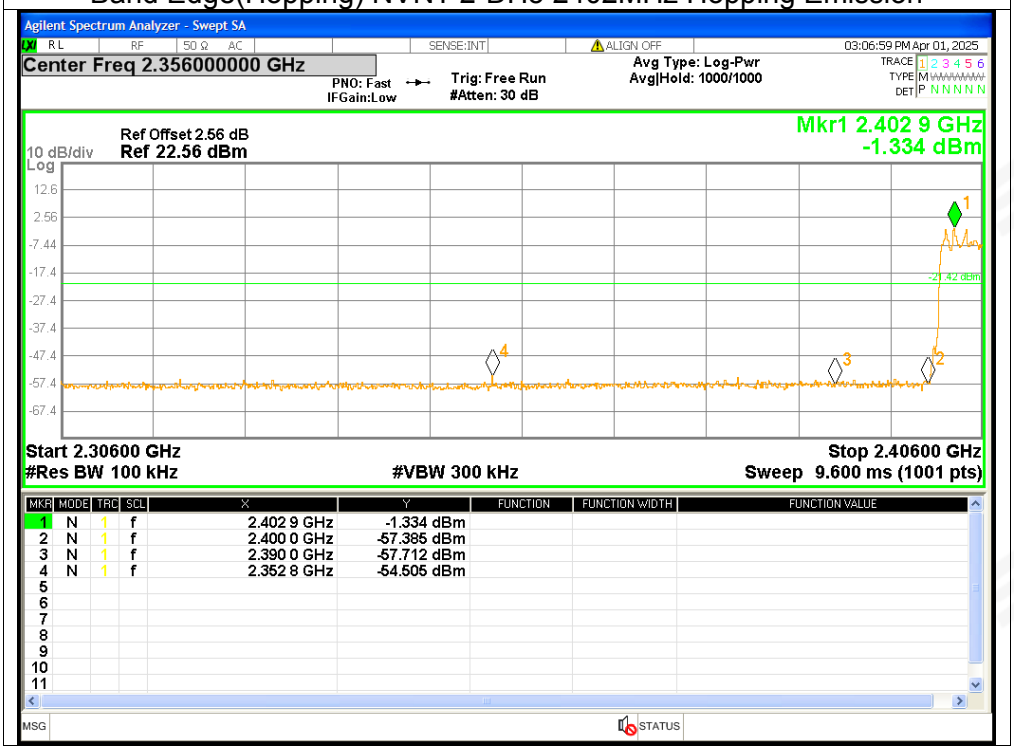
Band Edge(Hopping) NVNT 1-DH5 2480MHz Hopping Emission



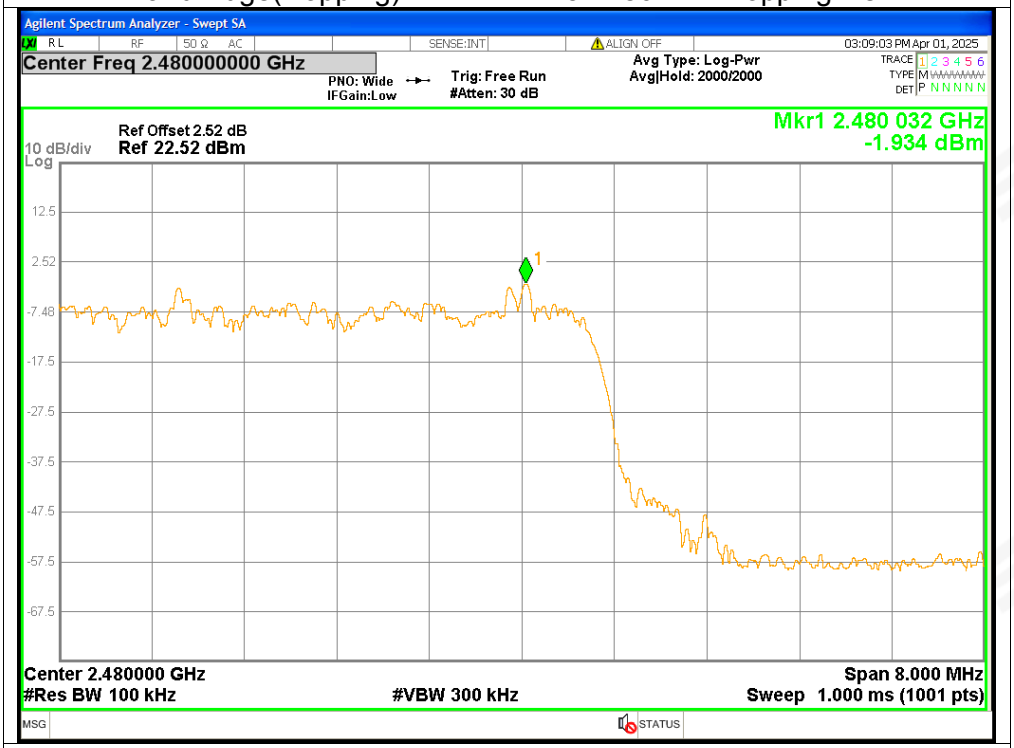
Band Edge(Hopping) NVNT 2-DH5 2402MHz Hopping Ref



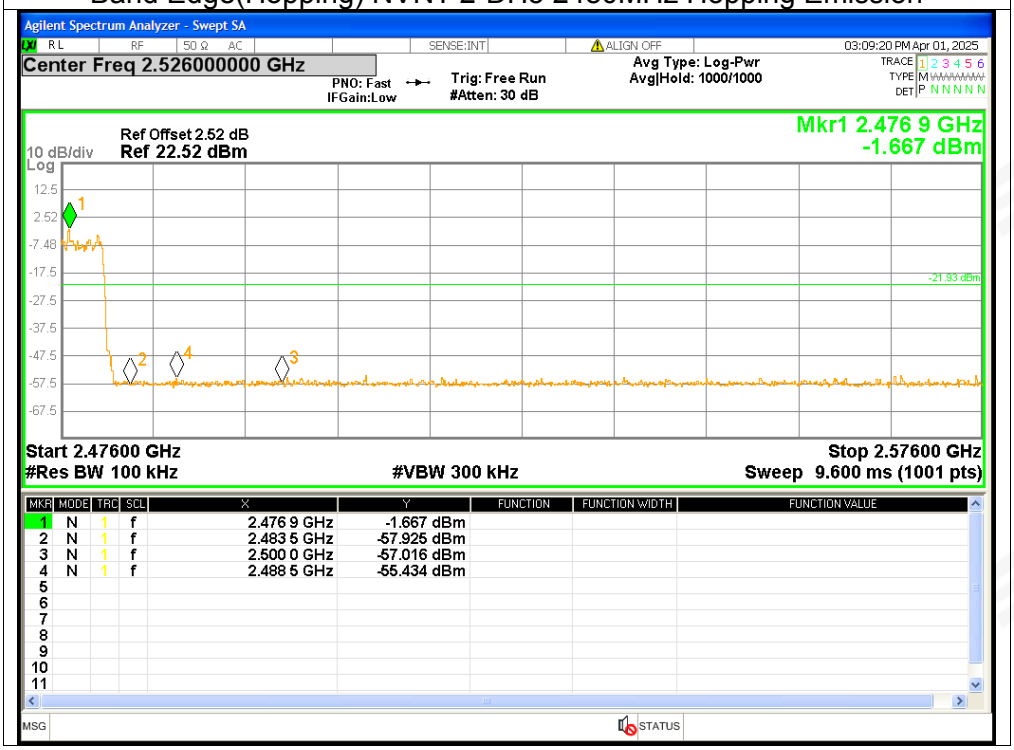
Band Edge(Hopping) NVNT 2-DH5 2402MHz Hopping Emission



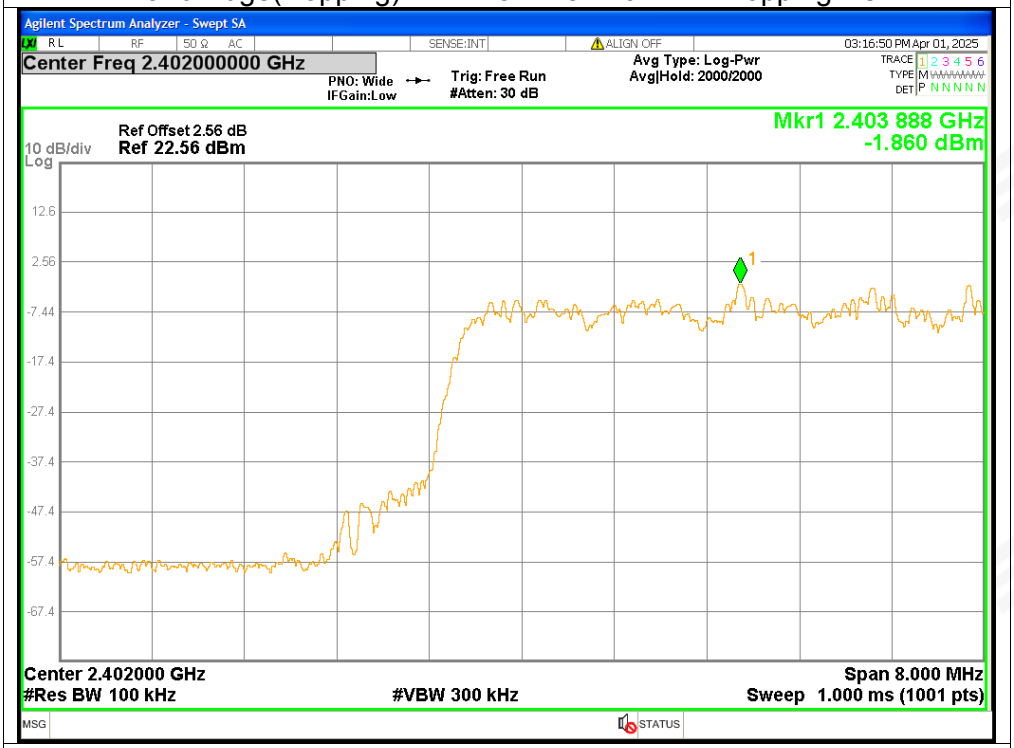
Band Edge(Hopping) NVNT 2-DH5 2480MHz Hopping Ref



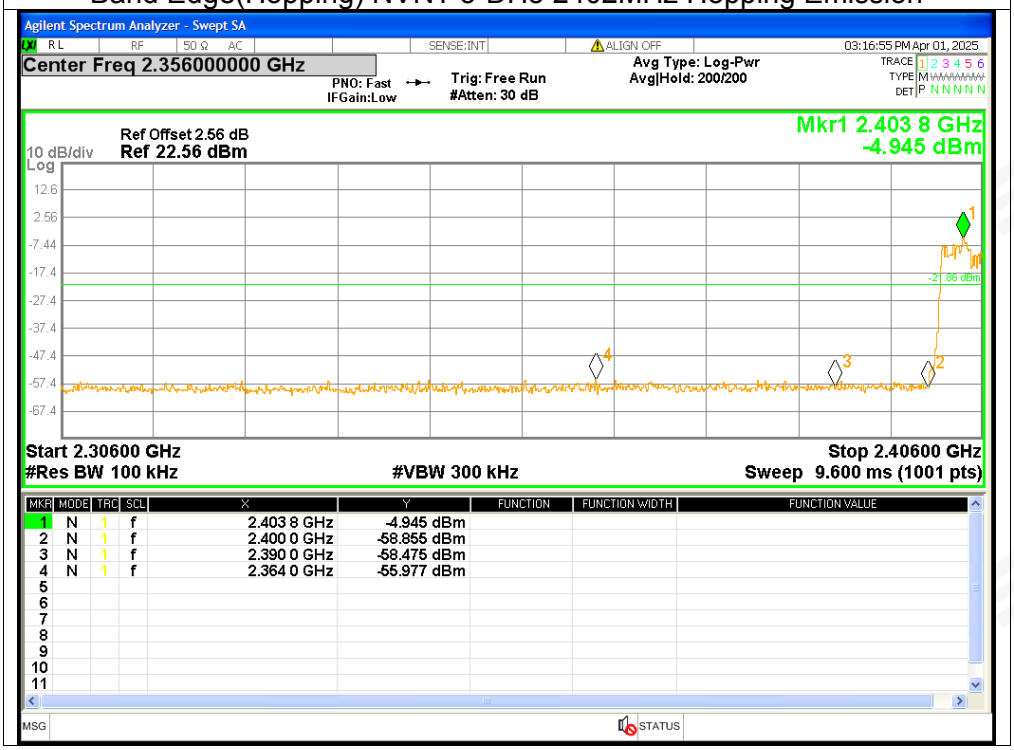
Band Edge(Hopping) NVNT 2-DH5 2480MHz Hopping Emission



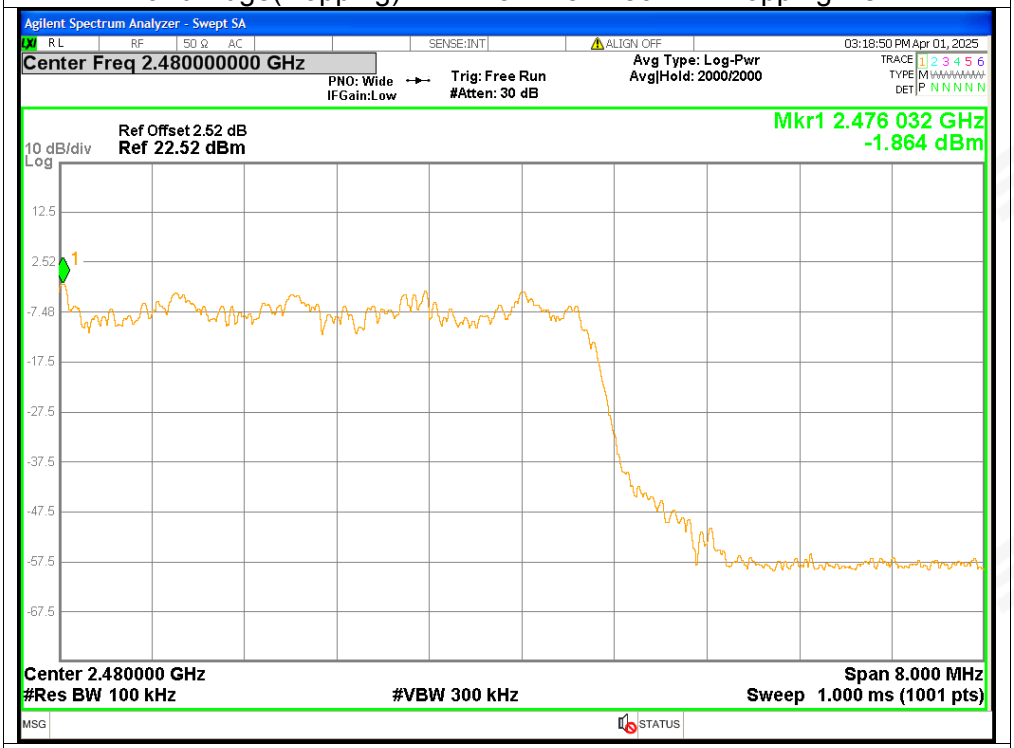
Band Edge(Hopping) NVNT 3-DH5 2402MHz Hopping Ref



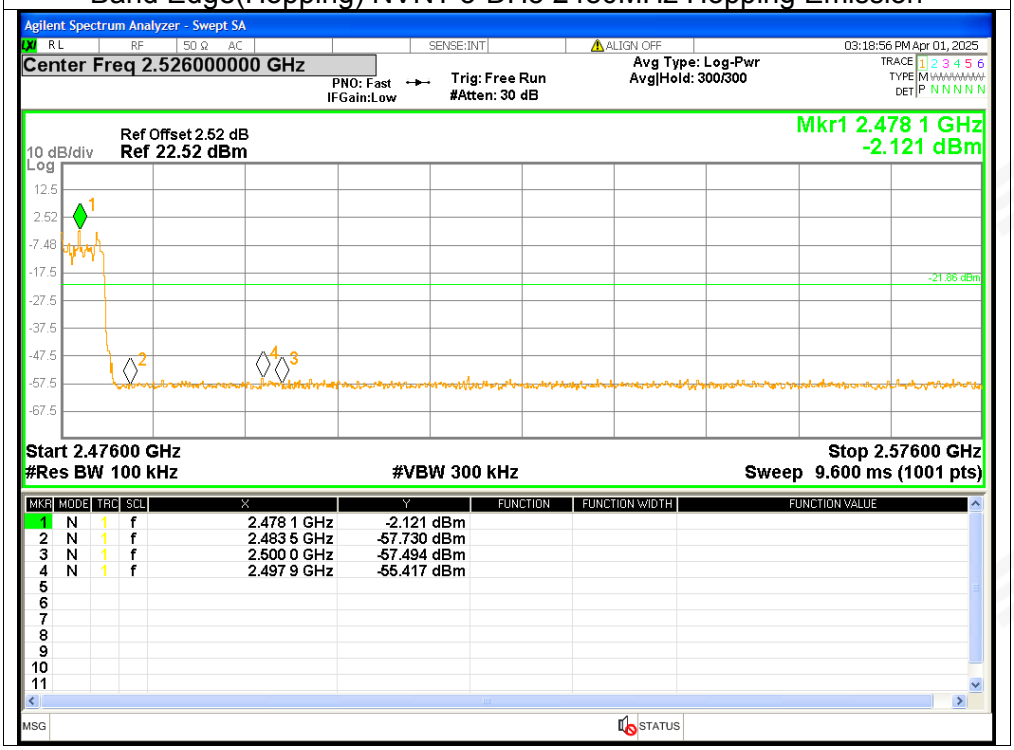
Band Edge(Hopping) NVNT 3-DH5 2402MHz Hopping Emission



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



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

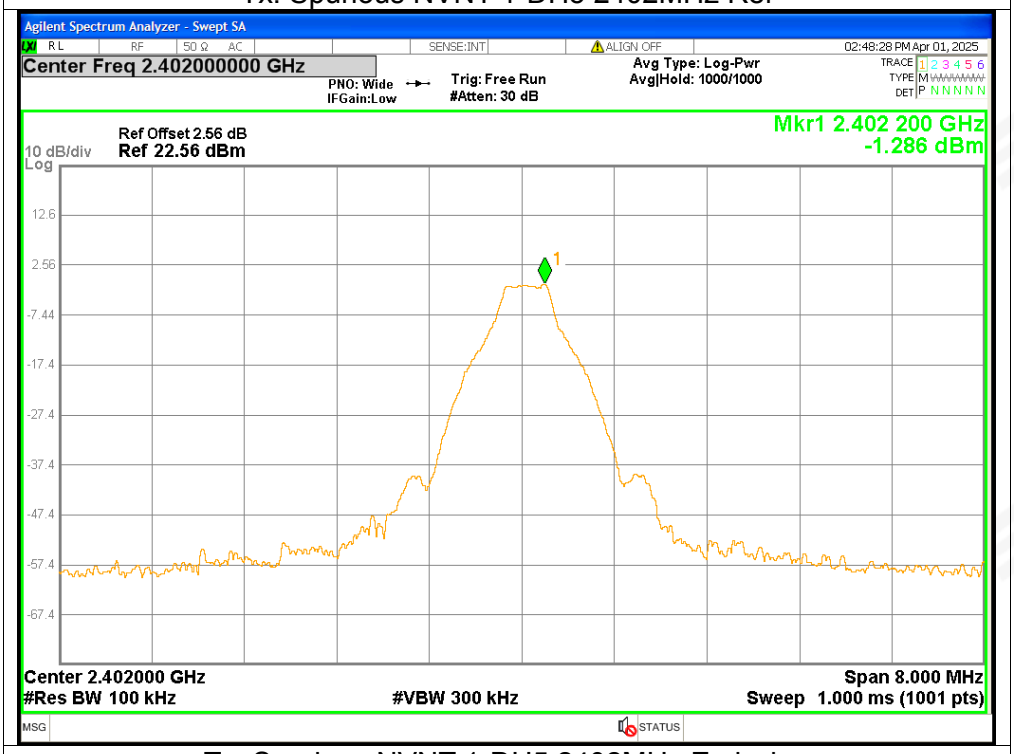


9. Conducted RF Spurious Emission

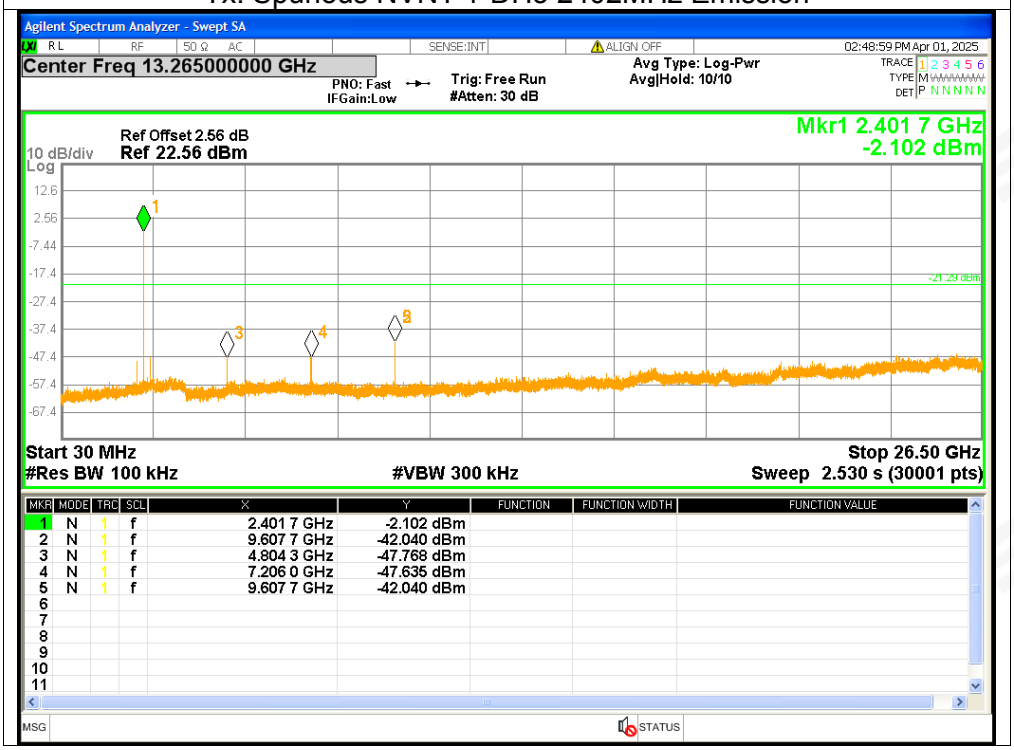
Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	-40.75	<=-20	Pass
NVNT	1-DH5	2441	-41.57	<=-20	Pass
NVNT	1-DH5	2480	-41.68	<=-20	Pass
NVNT	2-DH5	2402	-39.4	<=-20	Pass
NVNT	2-DH5	2441	-41.25	<=-20	Pass
NVNT	2-DH5	2480	-42.06	<=-20	Pass
NVNT	3-DH5	2402	-39.52	<=-20	Pass
NVNT	3-DH5	2441	-41.59	<=-20	Pass
NVNT	3-DH5	2480	-41.51	<=-20	Pass

Test Graphs

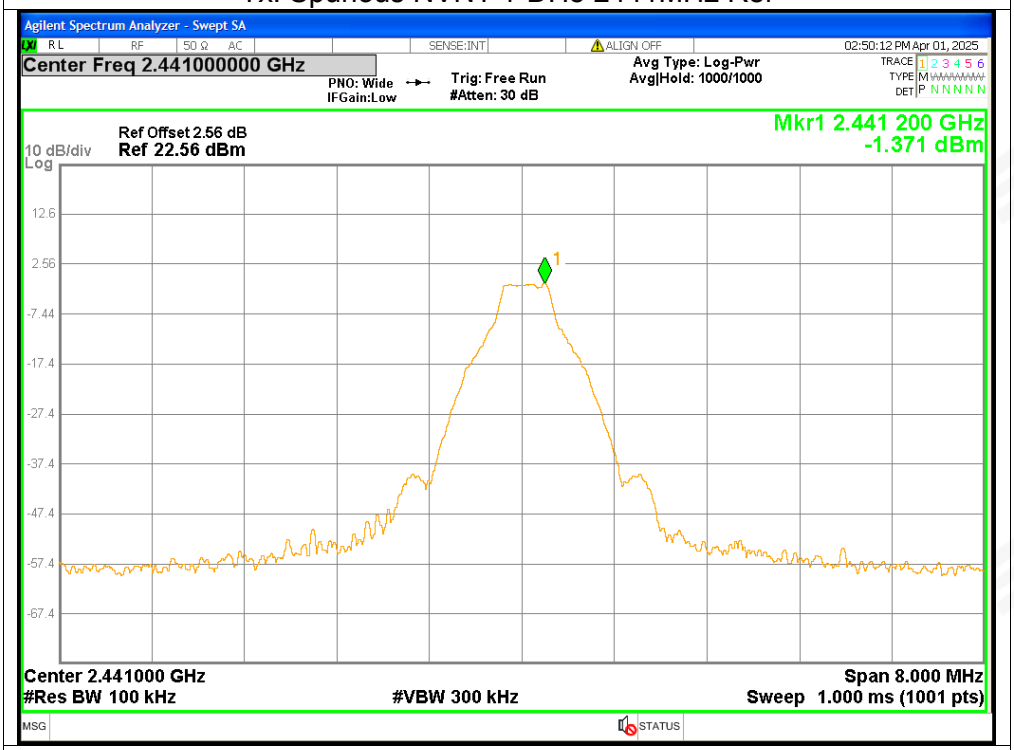
Tx. Spurious NVNT 1-DH5 2402MHz Ref



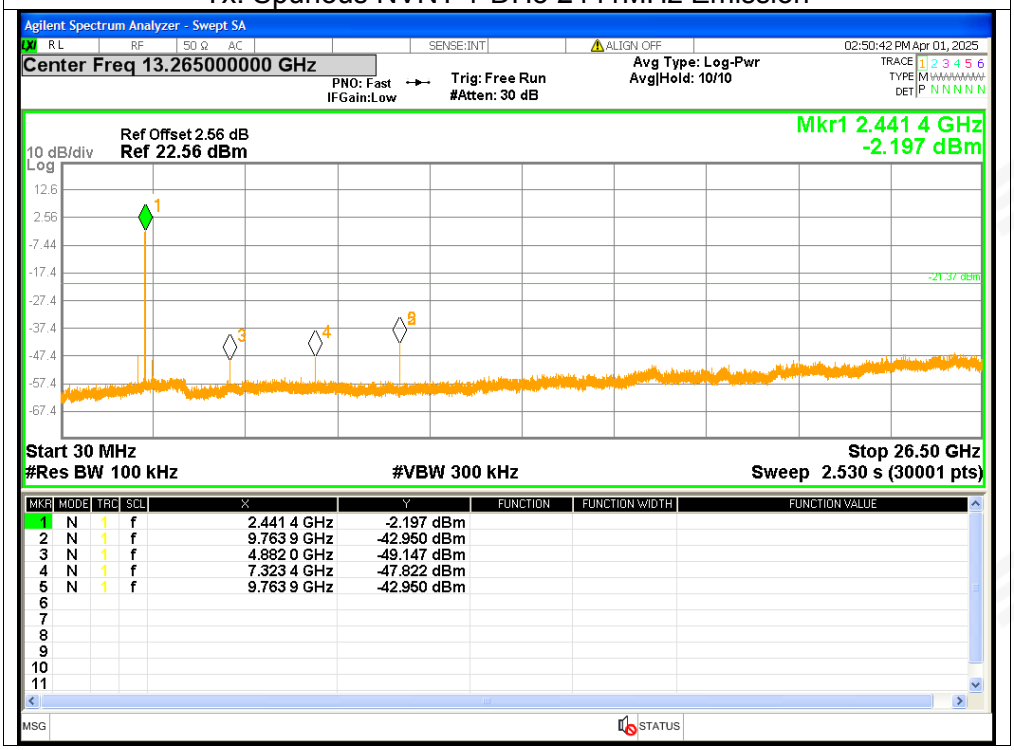
Tx. Spurious NVNT 1-DH5 2402MHz Emission



Tx. Spurious NVNT 1-DH5 2441MHz Ref

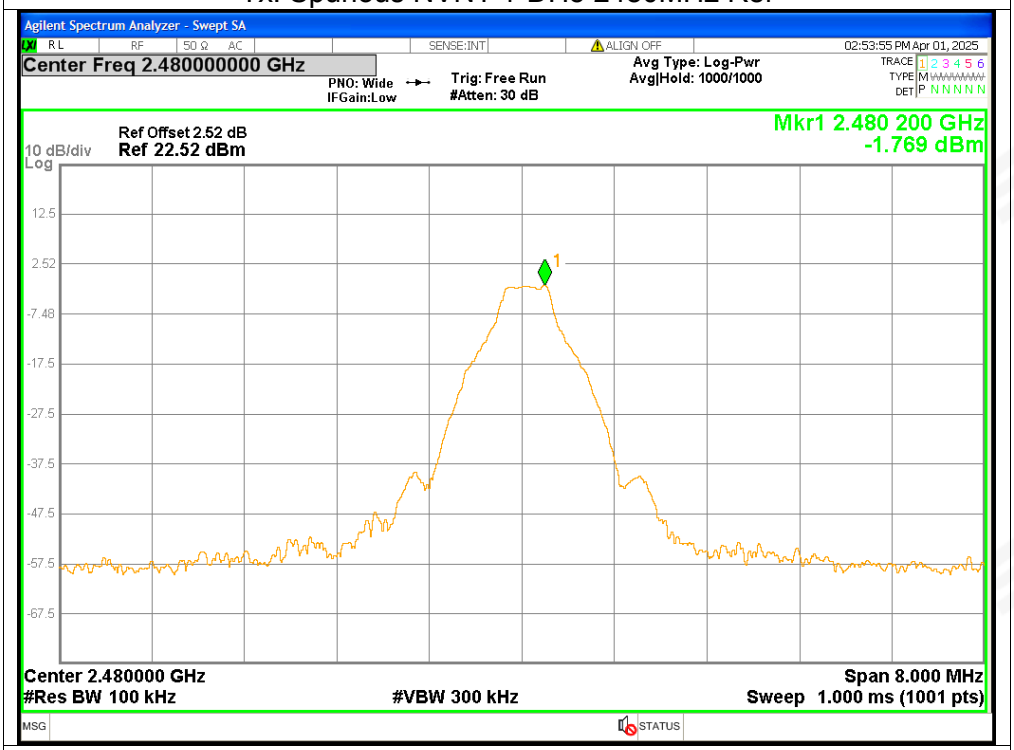


Tx. Spurious NVNT 1-DH5 2441MHz Emission

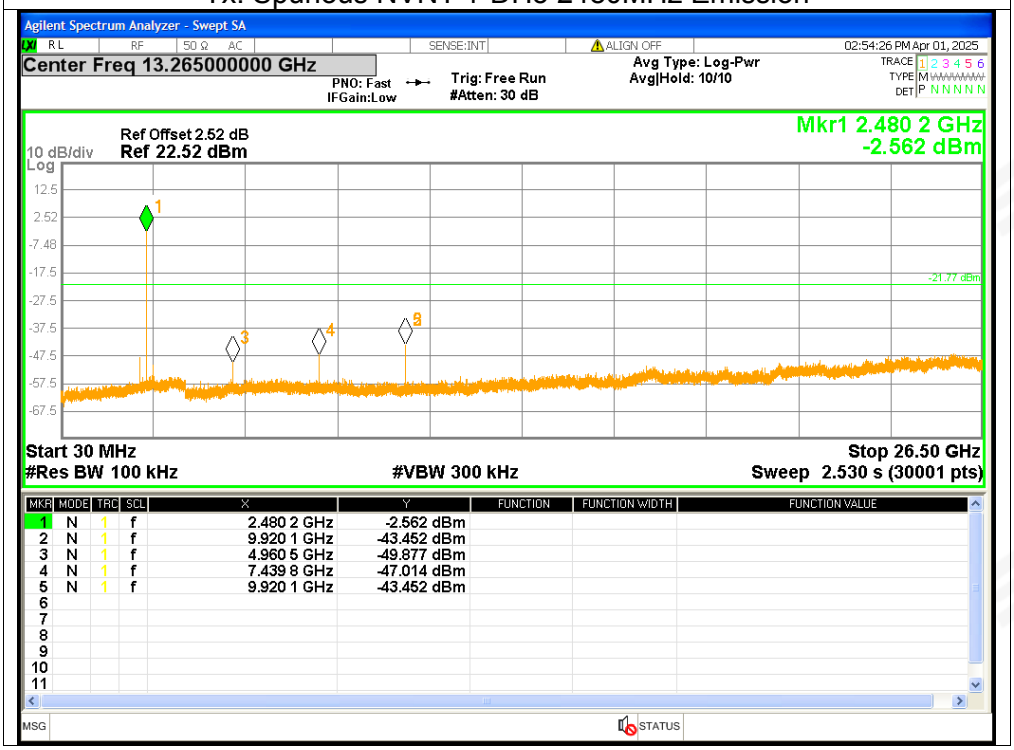


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.441 4 GHz	-2.197 dBm			
2	N	1	f	9.763 9 GHz	-42.950 dBm			
3	N	1	f	4.882 0 GHz	-49.147 dBm			
4	N	1	f	7.323 4 GHz	-47.822 dBm			
5	N	1	f	9.763 9 GHz	-42.950 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT 1-DH5 2480MHz Ref

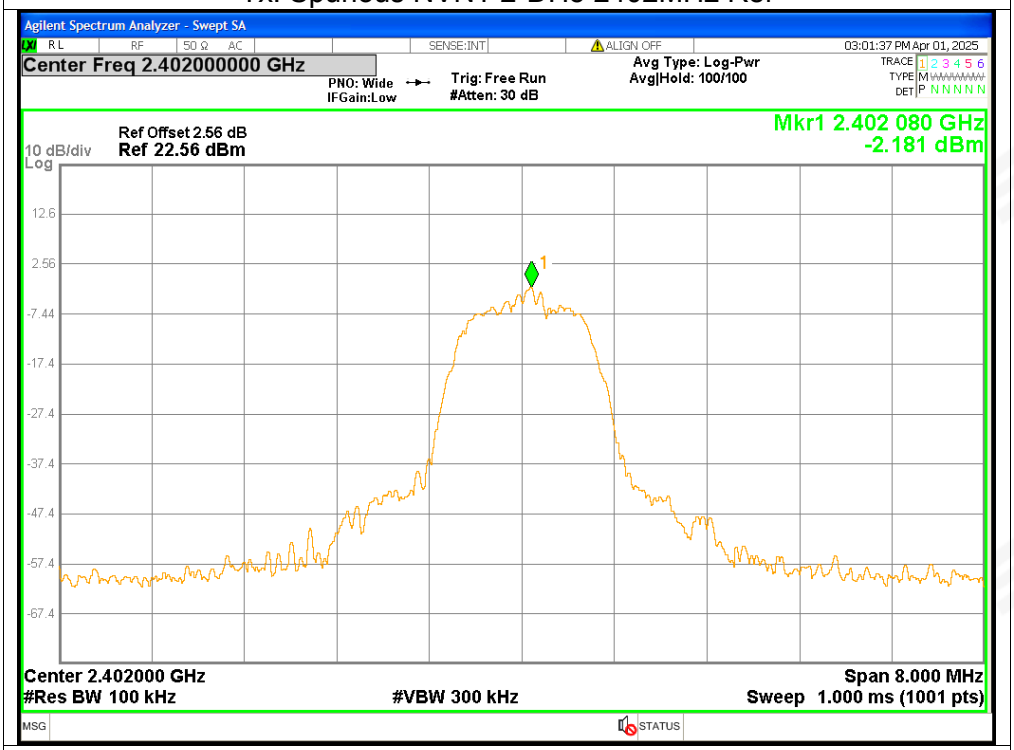


Tx. Spurious NVNT 1-DH5 2480MHz Emission

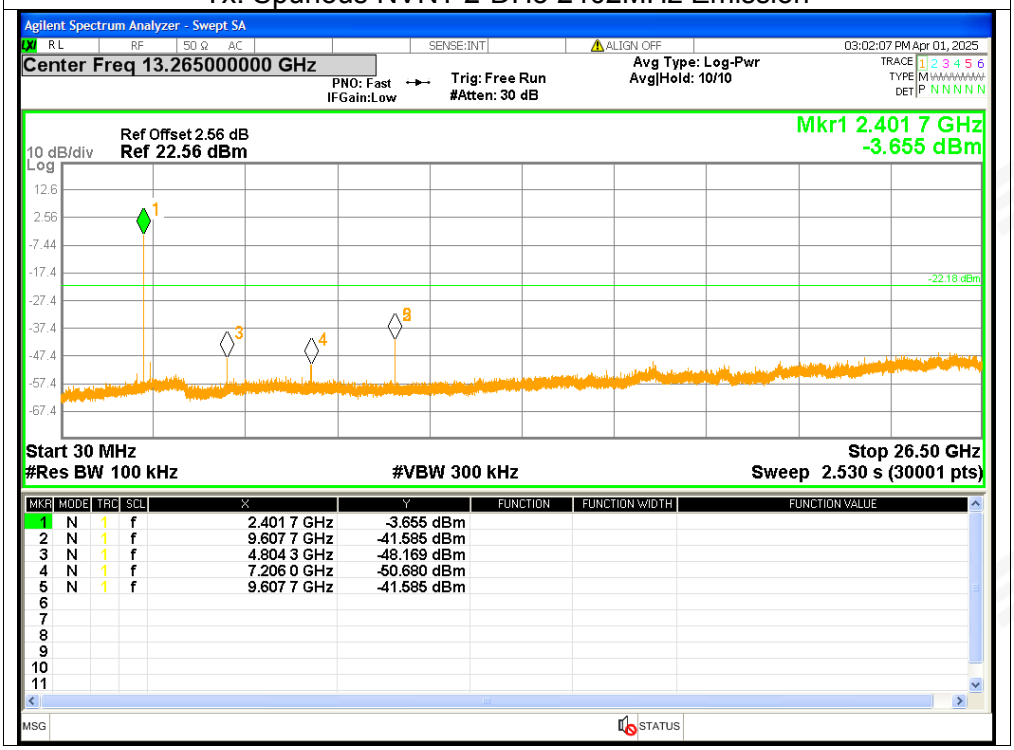


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.480 2 GHz	-2.562 dBm			
2	N	1	f	9.920 1 GHz	-43.452 dBm			
3	N	1	f	4.960 5 GHz	-49.877 dBm			
4	N	1	f	7.439 8 GHz	-47.014 dBm			
5	N	1	f	9.920 1 GHz	-43.452 dBm			
6								
7								
8								
9								
10								
11								

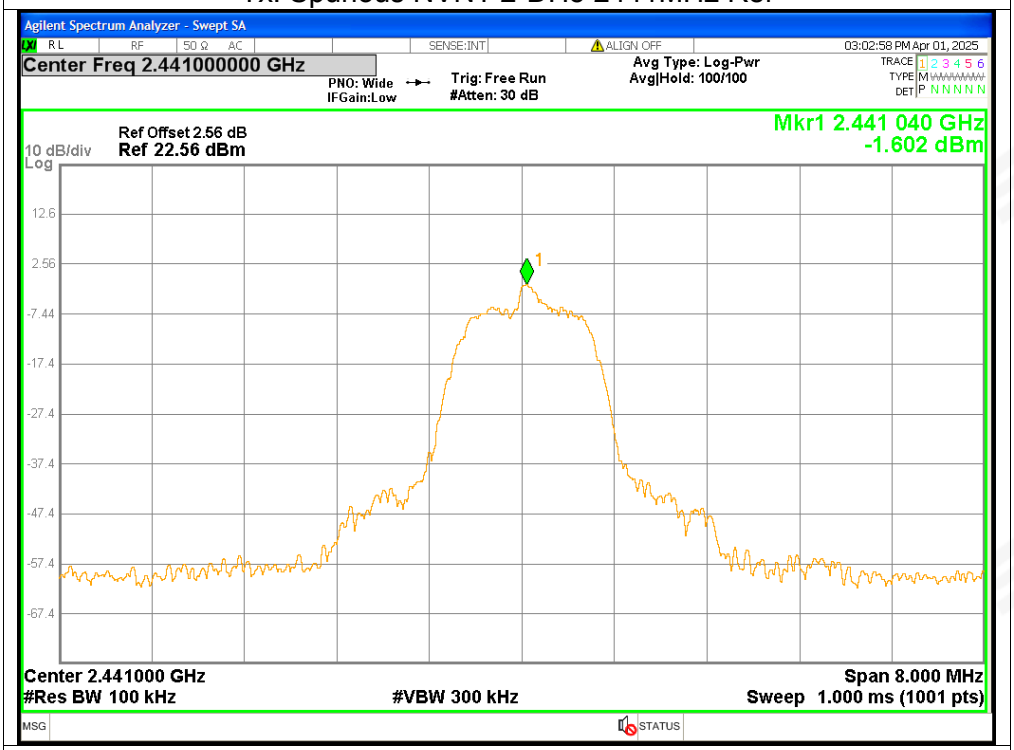
Tx. Spurious NVNT 2-DH5 2402MHz Ref



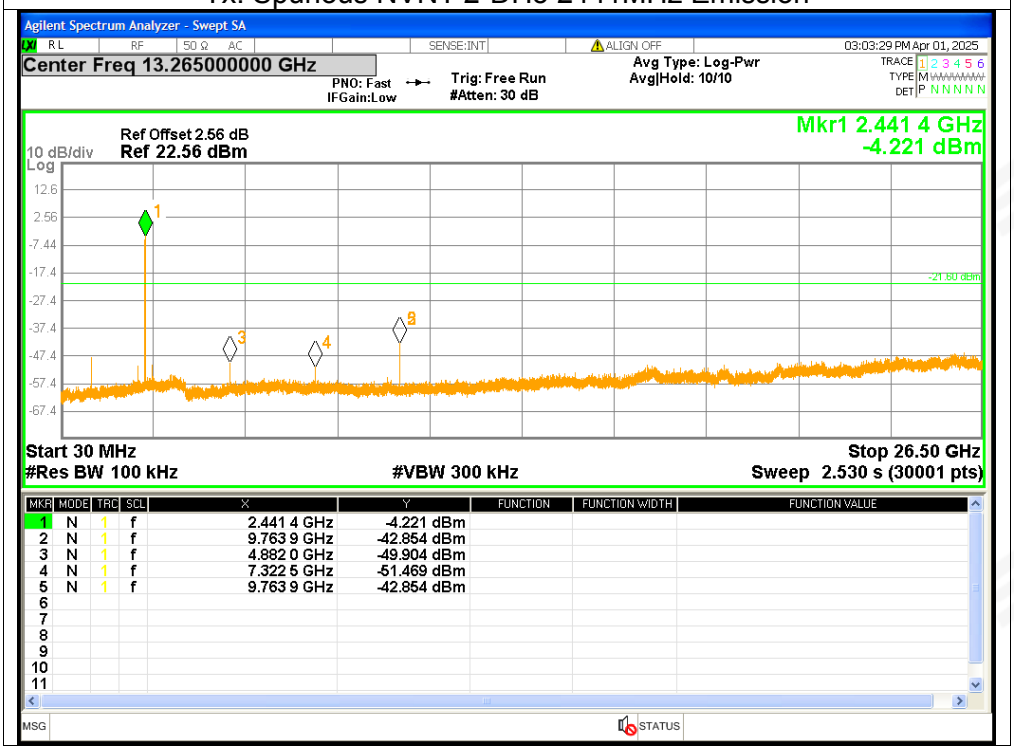
Tx. Spurious NVNT 2-DH5 2402MHz Emission



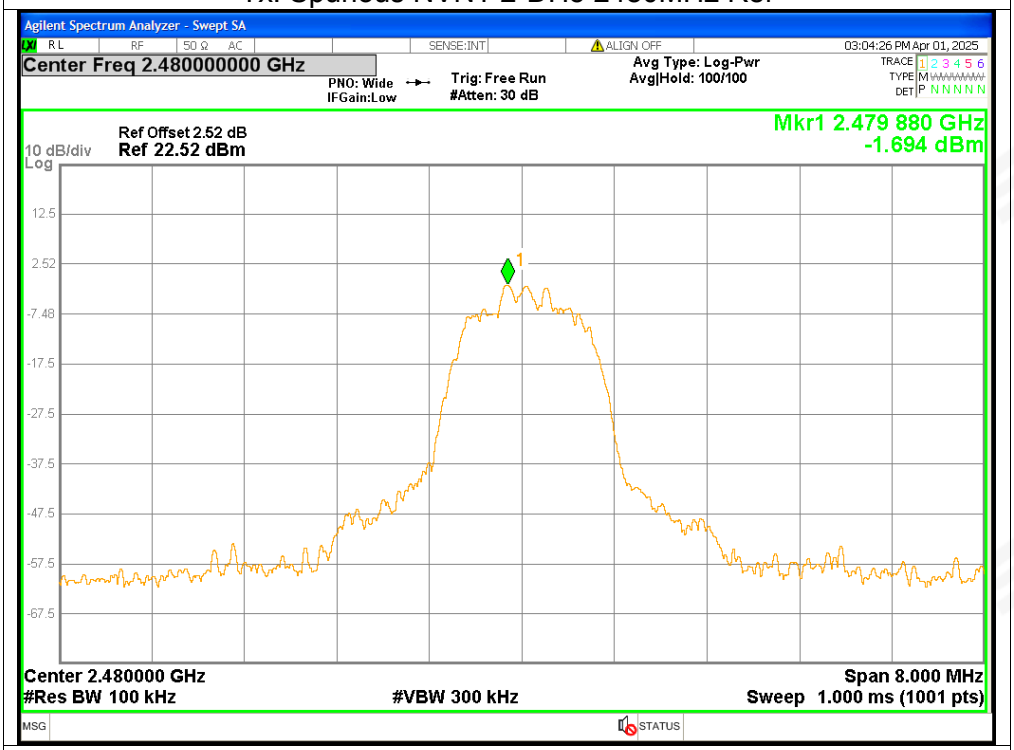
Tx. Spurious NVNT 2-DH5 2441MHz Ref



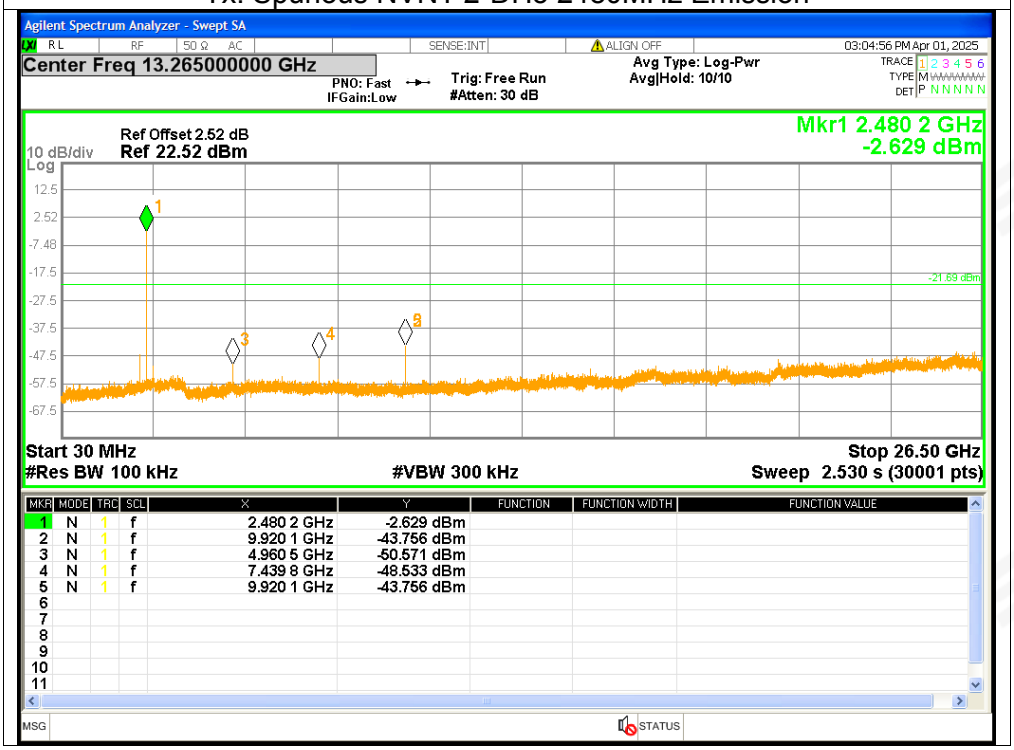
Tx. Spurious NVNT 2-DH5 2441MHz Emission



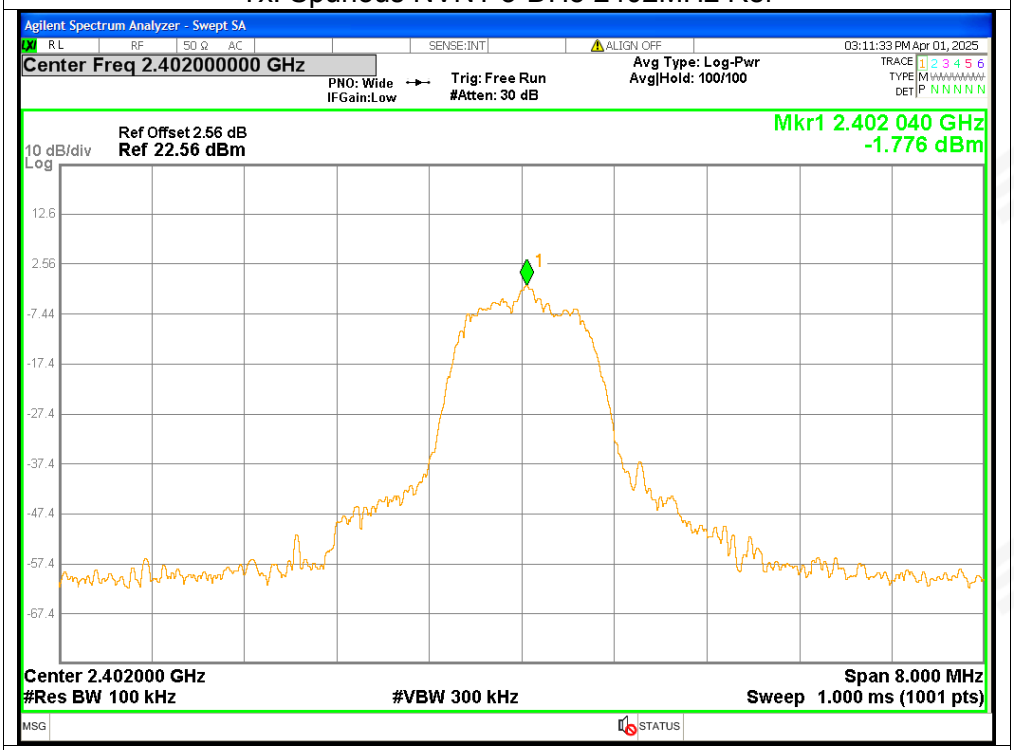
Tx. Spurious NVNT 2-DH5 2480MHz Ref



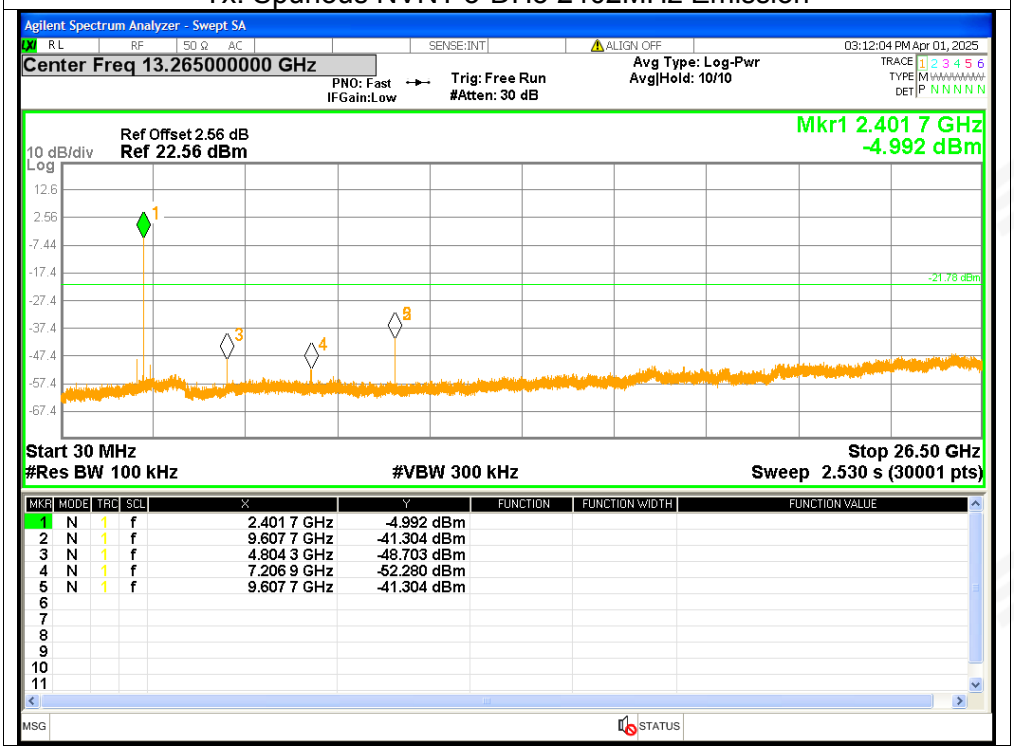
Tx. Spurious NVNT 2-DH5 2480MHz Emission



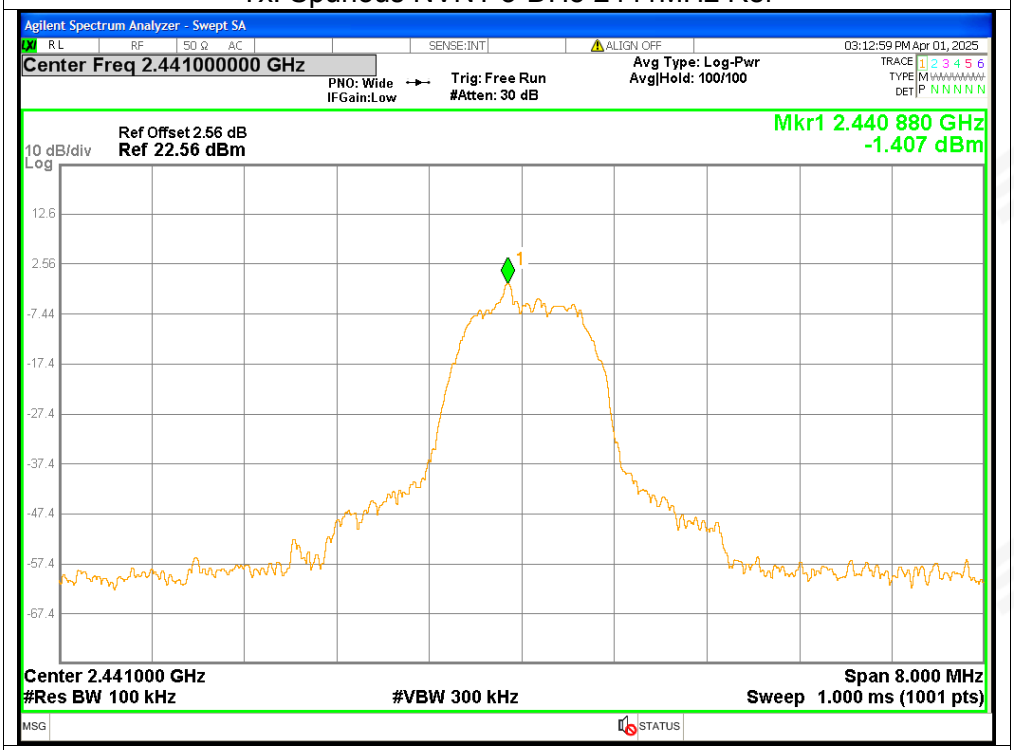
Tx. Spurious NVNT 3-DH5 2402MHz Ref



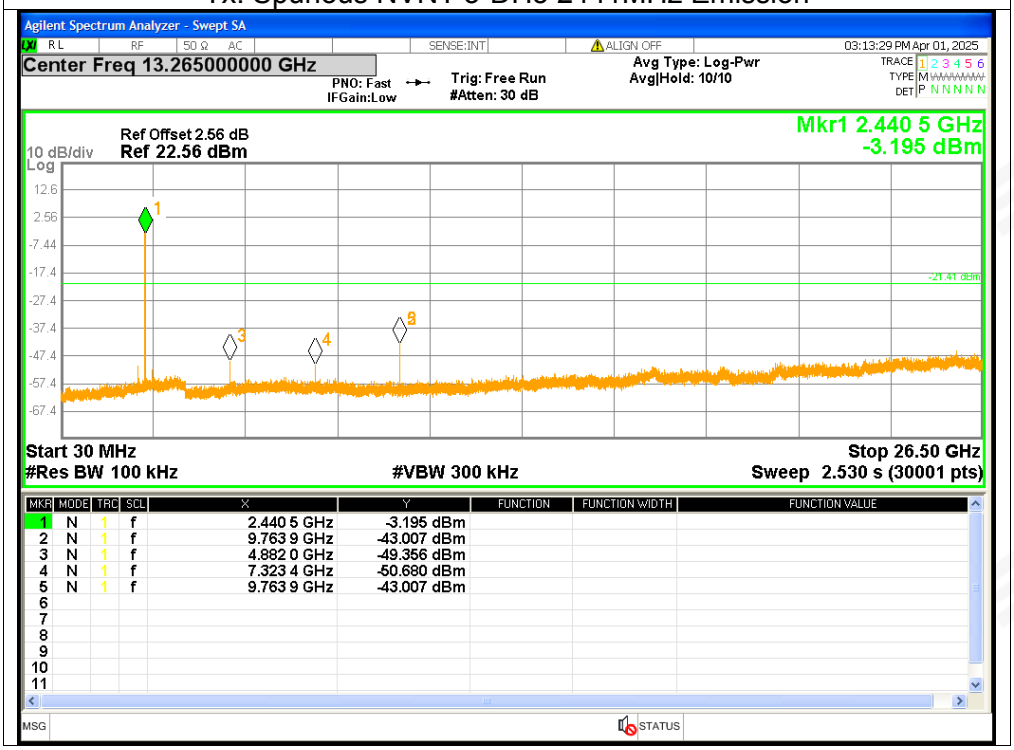
Tx. Spurious NVNT 3-DH5 2402MHz Emission



Tx. Spurious NVNT 3-DH5 2441MHz Ref

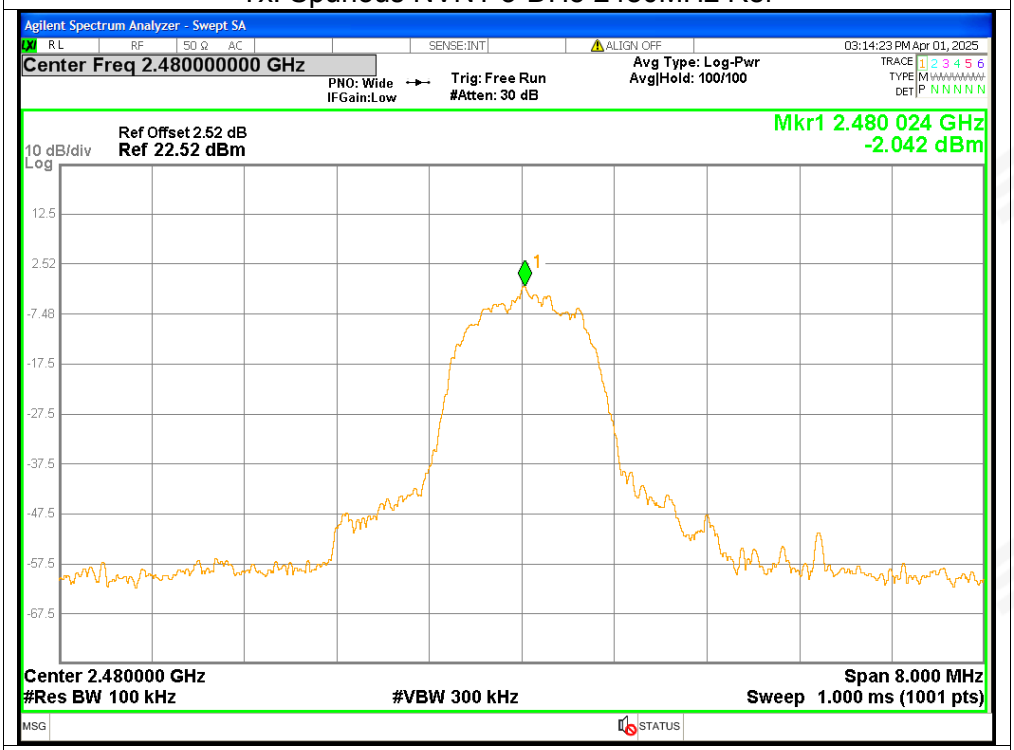


Tx. Spurious NVNT 3-DH5 2441MHz Emission

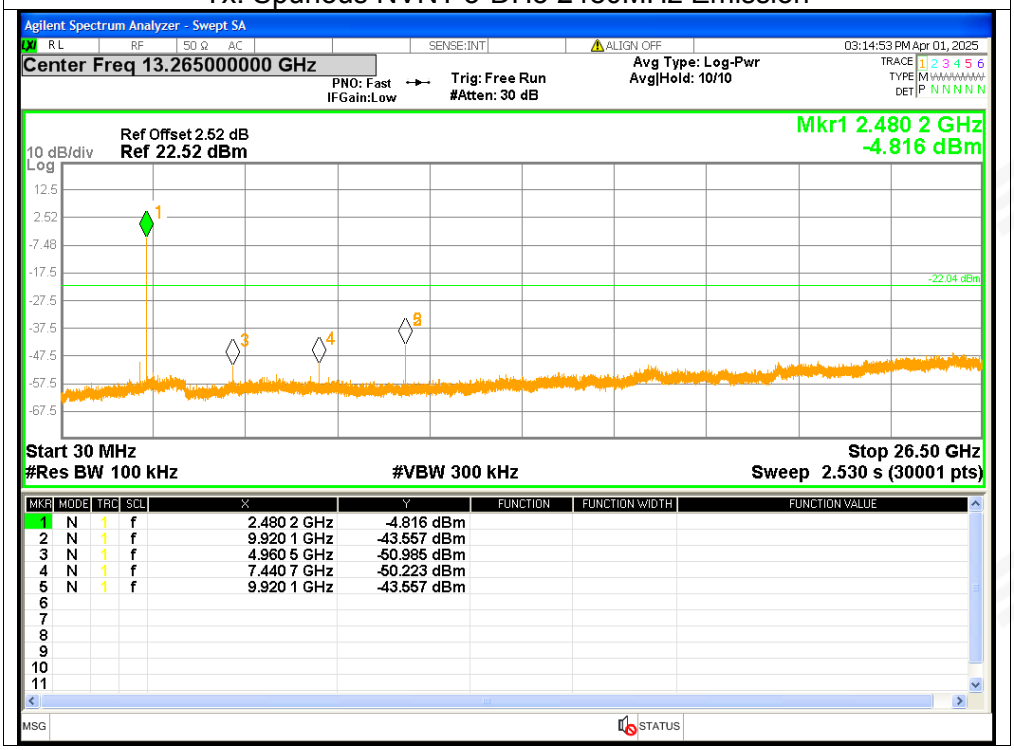


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.440 5 GHz	-3.195 dBm			
2	N	1	f	9.763 9 GHz	-43.007 dBm			
3	N	1	f	4.882 0 GHz	-49.356 dBm			
4	N	1	f	7.323 4 GHz	-50.680 dBm			
5	N	1	f	9.763 9 GHz	-43.007 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT 3-DH5 2480MHz Ref



Tx. Spurious NVNT 3-DH5 2480MHz Emission



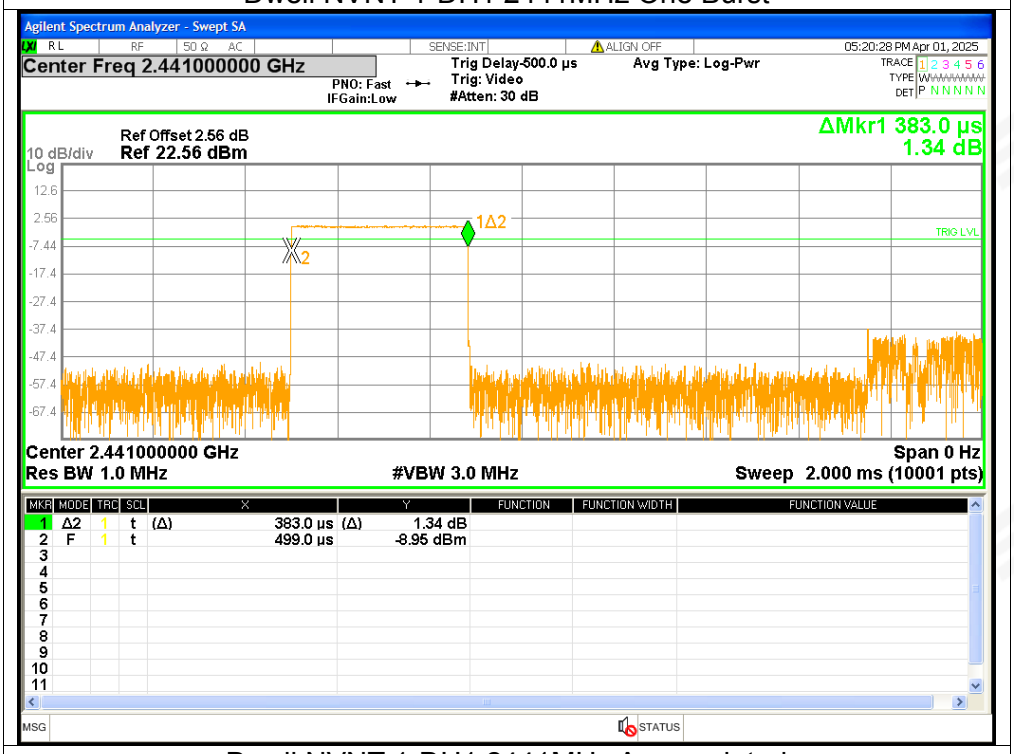
Right

1. Dwell Time

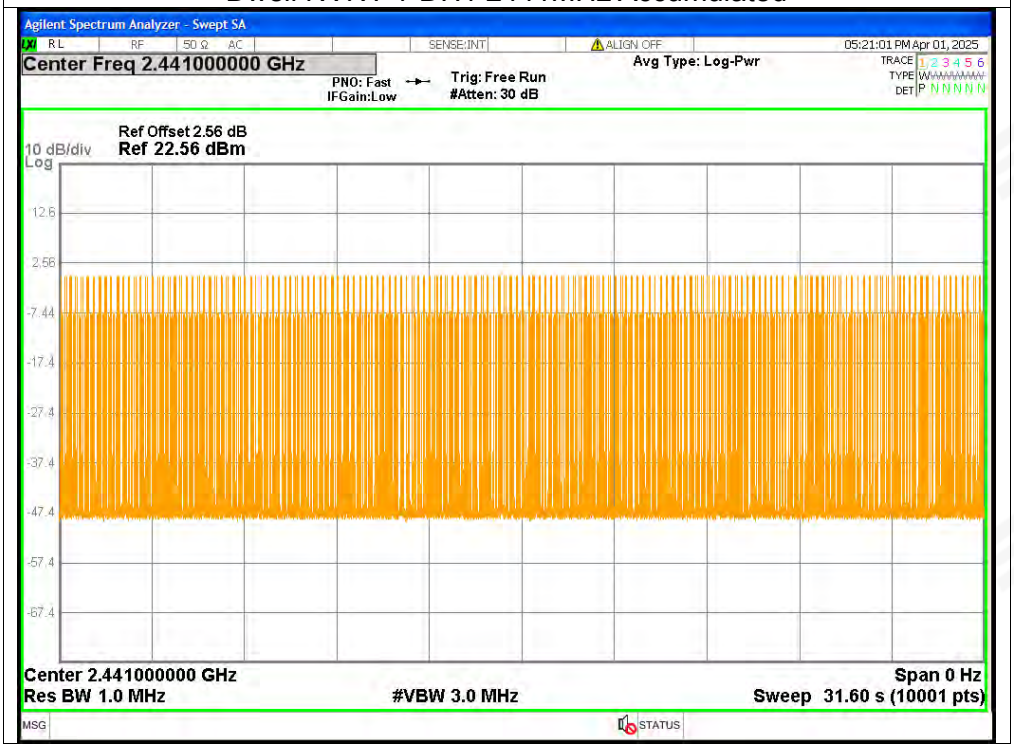
Condition	Mode	Frequency (MHz)	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	0.383	121.794	318	31600	<=400	Pass
NVNT	1-DH3	2441	1.638	247.338	151	31600	<=400	Pass
NVNT	1-DH5	2441	2.888	306.128	106	31600	<=400	Pass
NVNT	2-DH1	2441	0.392	123.872	316	31600	<=400	Pass
NVNT	2-DH3	2441	1.644	269.616	164	31600	<=400	Pass
NVNT	2-DH5	2441	2.892	335.472	116	31600	<=400	Pass
NVNT	3-DH1	2441	0.392	125.048	319	31600	<=400	Pass
NVNT	3-DH3	2441	1.643	266.166	162	31600	<=400	Pass
NVNT	3-DH5	2441	2.894	329.916	114	31600	<=400	Pass

Test Graphs

Dwell NVNT 1-DH1 2441MHz One Burst

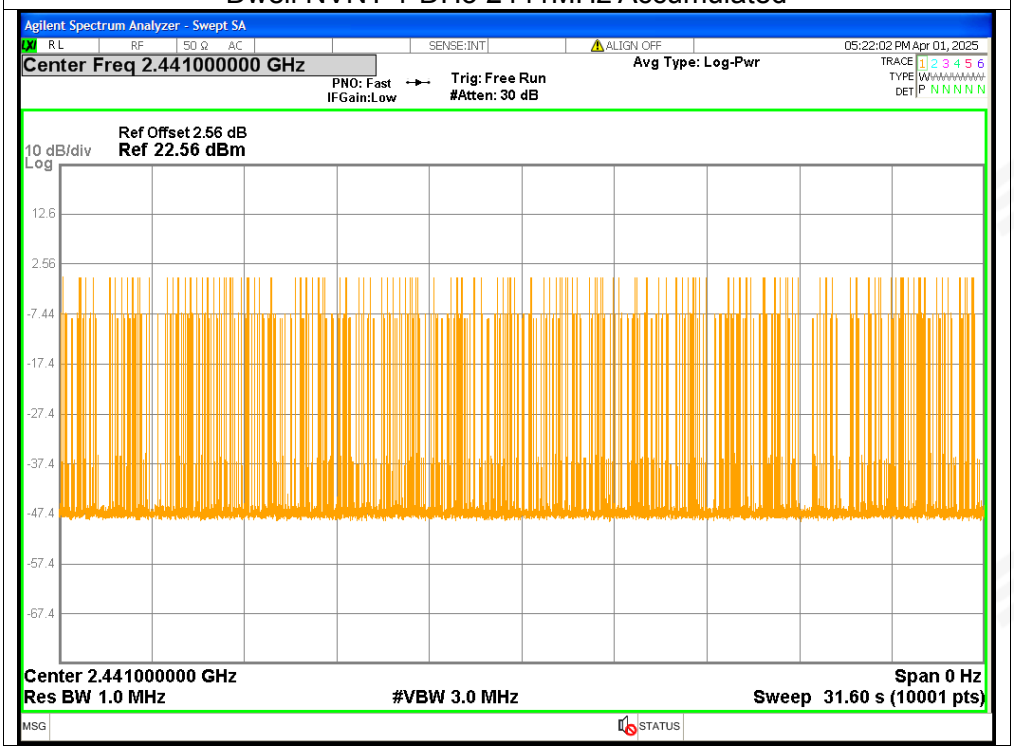


Dwell NVNT 1-DH1 2441MHz Accumulated



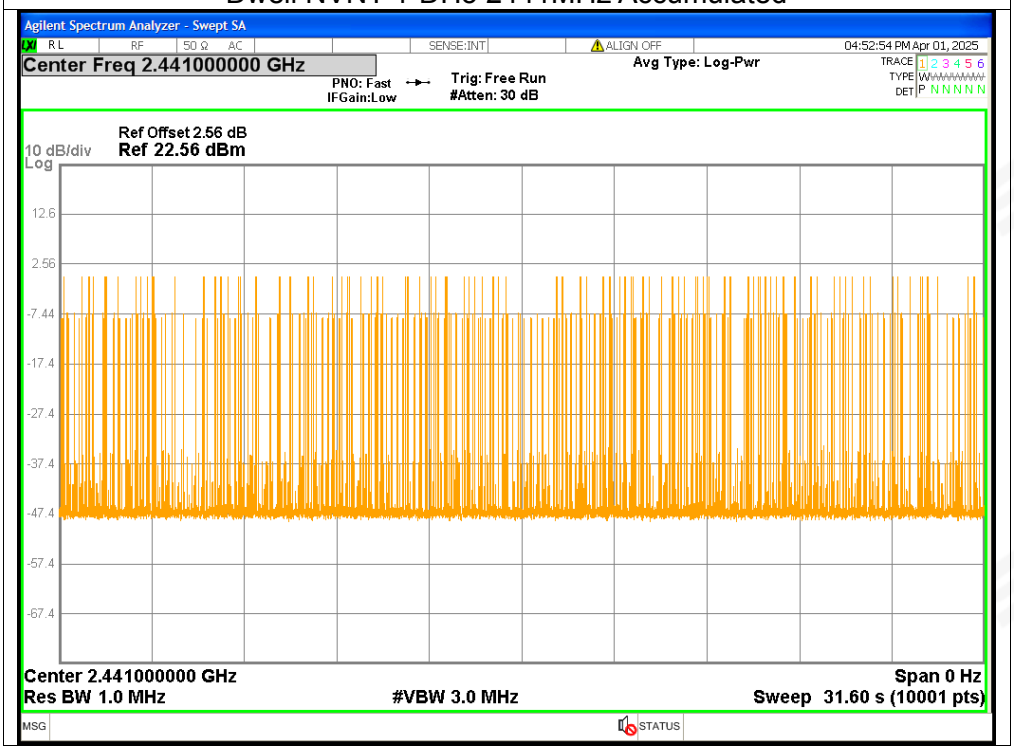
Dwell NVNT 1-DH3 2441MHz One Burst

Dwell NVNT 1-DH3 2441MHz Accumulated



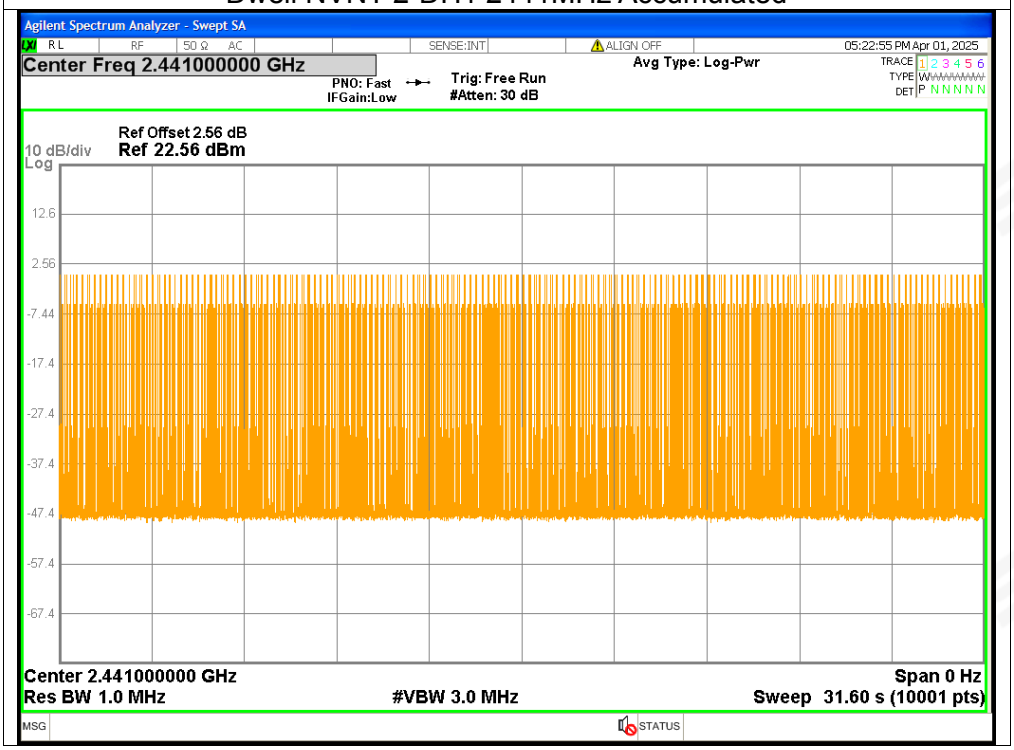
Dwell NVNT 1-DH5 2441MHz One Burst

Dwell NVNT 1-DH5 2441MHz Accumulated

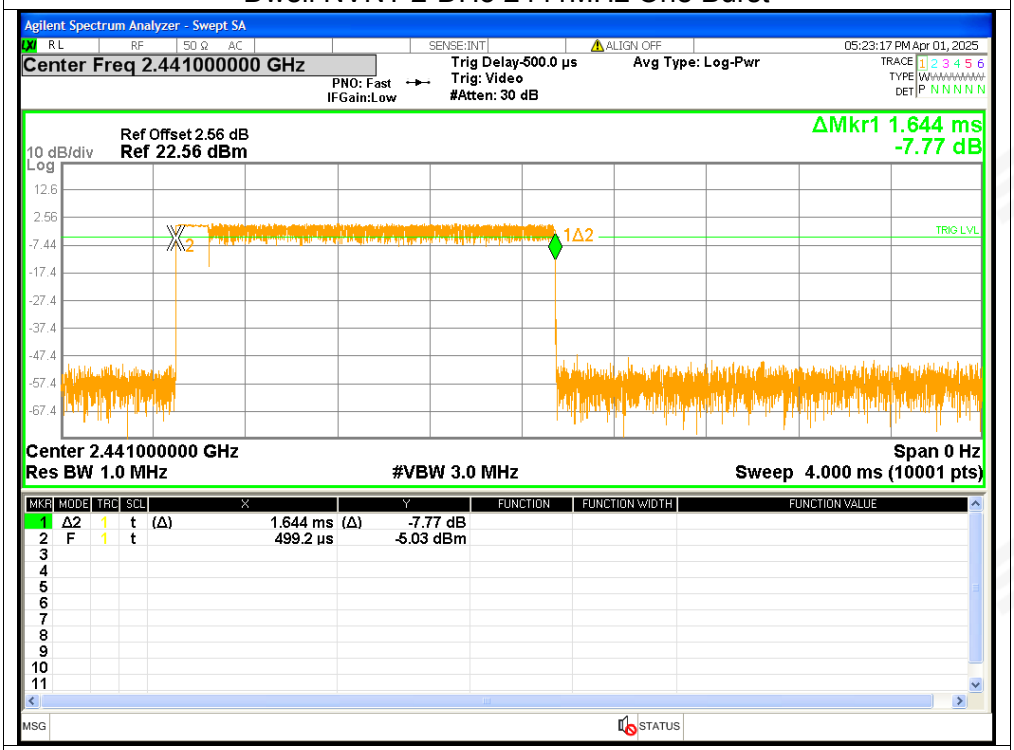


Dwell NVNT 2-DH1 2441MHz One Burst

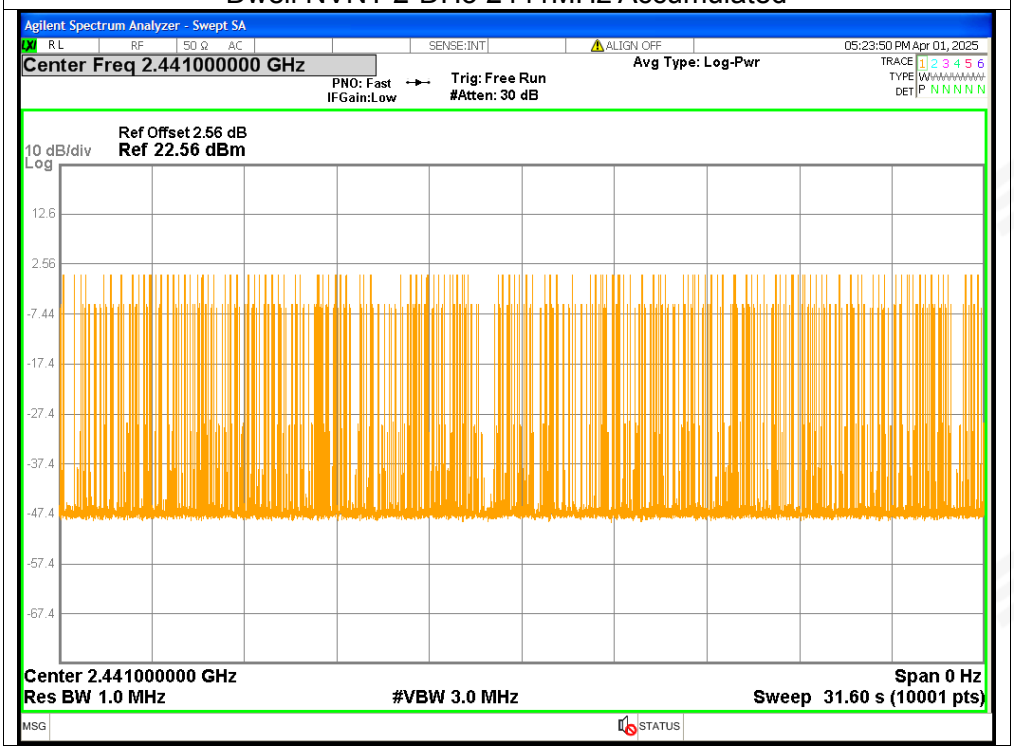
Dwell NVNT 2-DH1 2441MHz Accumulated



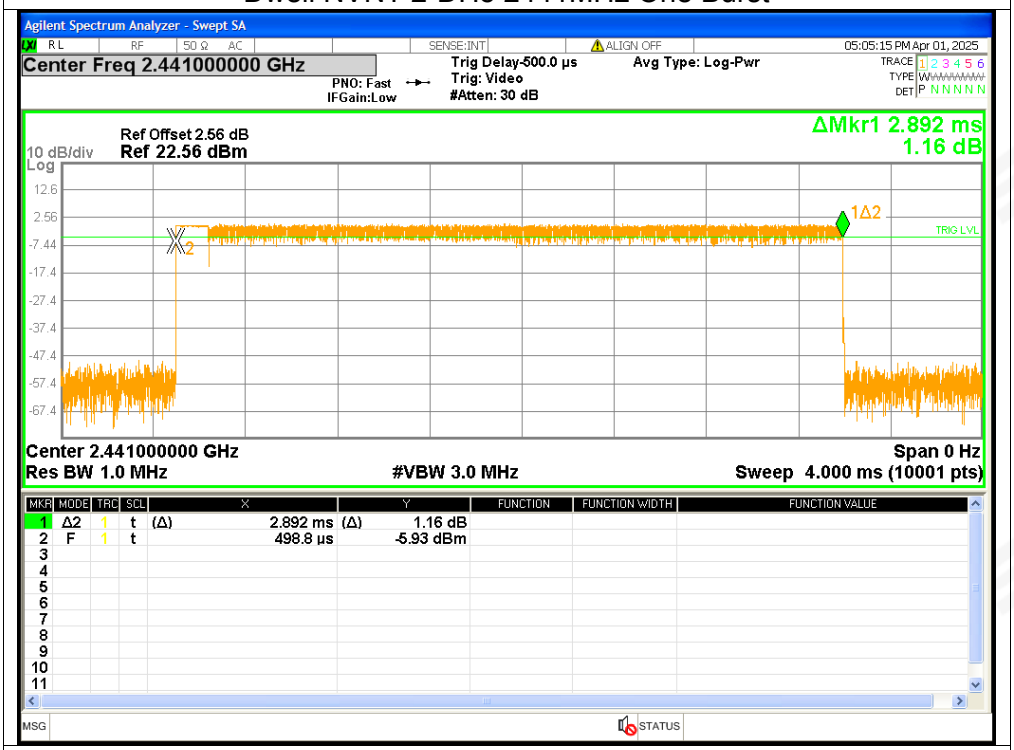
Dwell NVNT 2-DH3 2441MHz One Burst



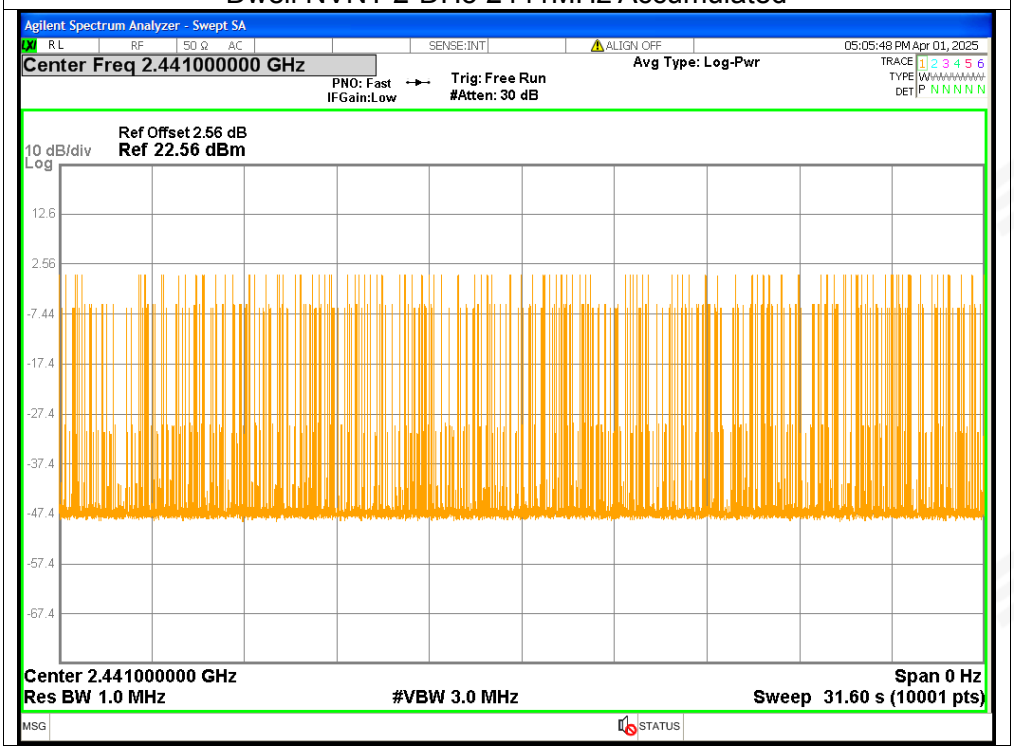
Dwell NVNT 2-DH3 2441MHz Accumulated



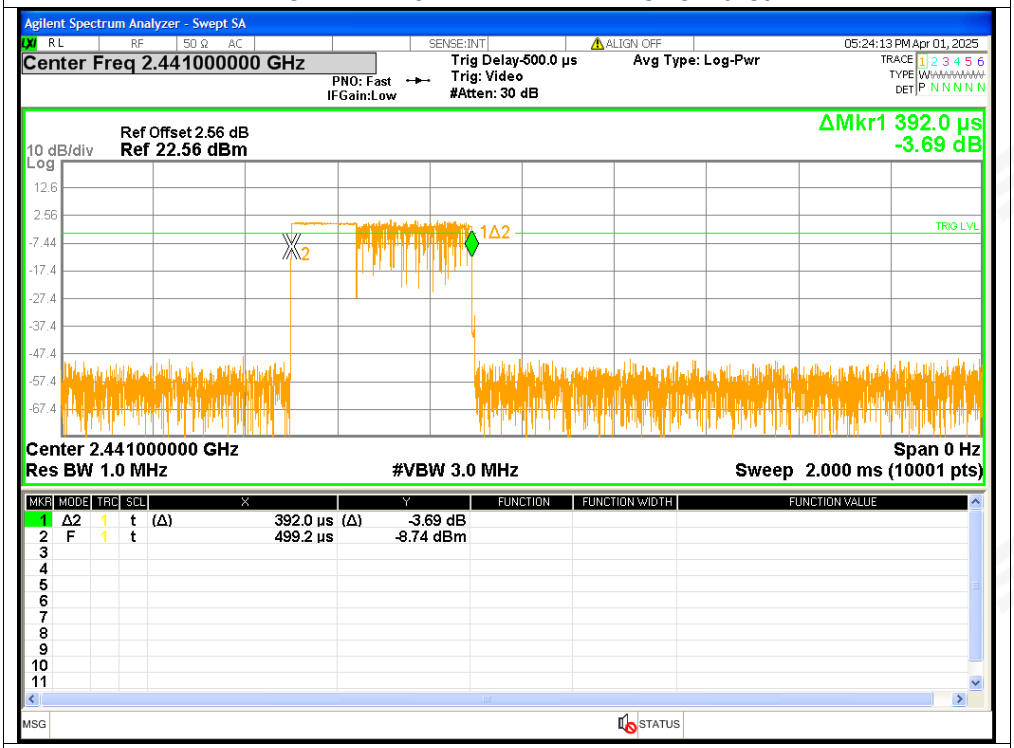
Dwell NVNT 2-DH5 2441MHz One Burst



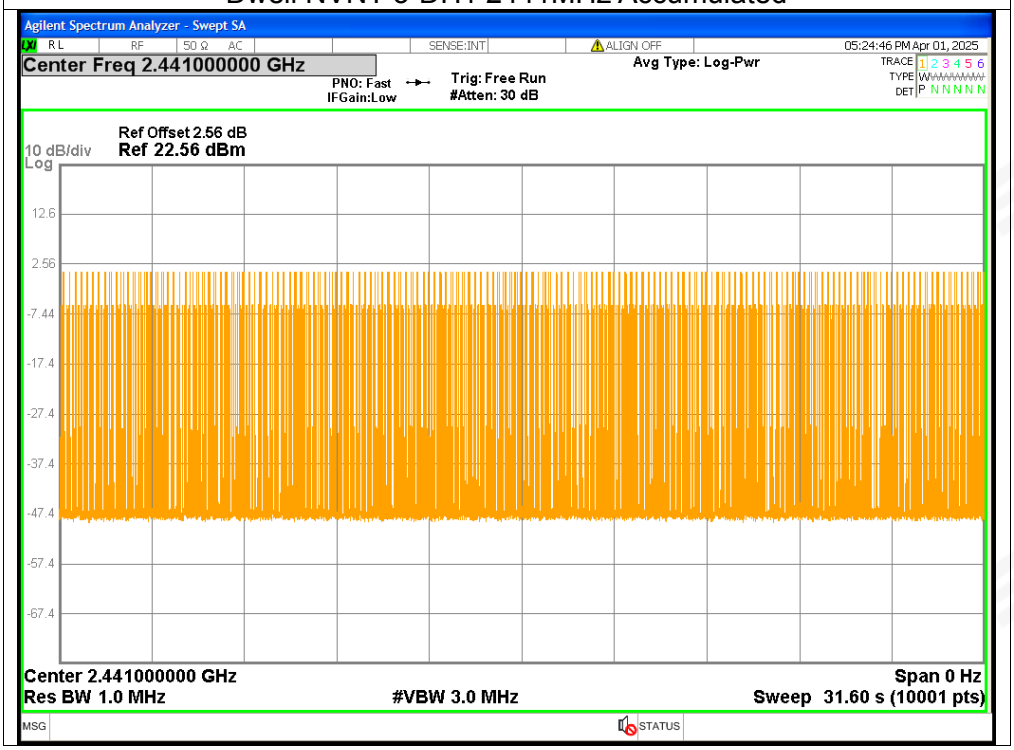
Dwell NVNT 2-DH5 2441MHz Accumulated



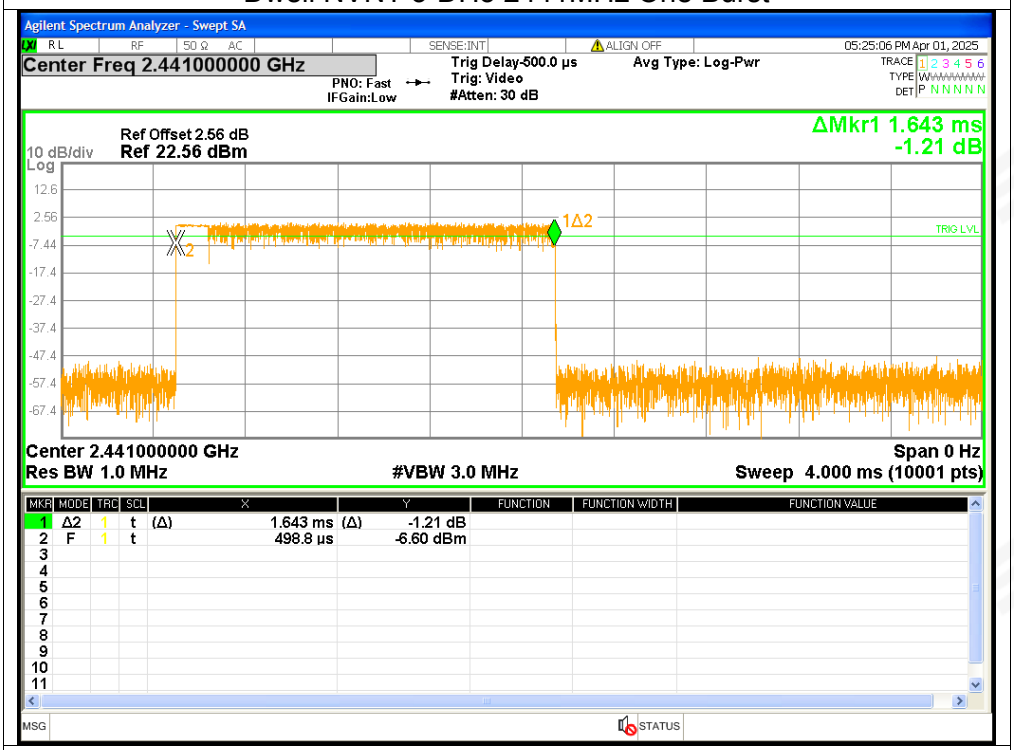
Dwell NVNT 3-DH1 2441MHz One Burst



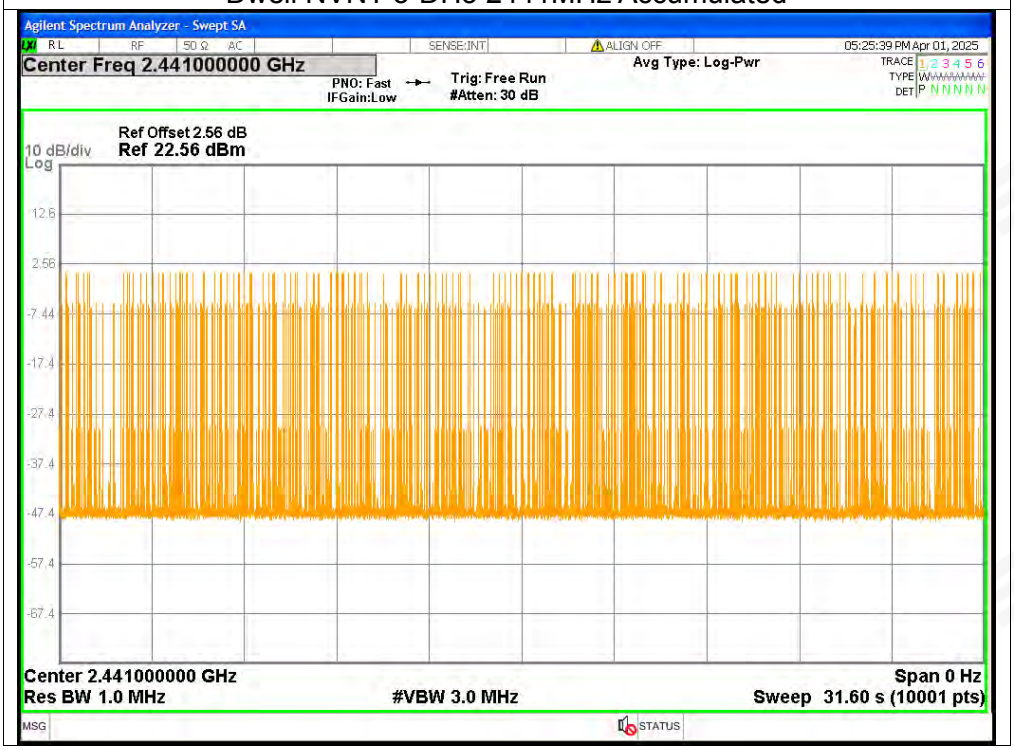
Dwell NVNT 3-DH1 2441MHz Accumulated



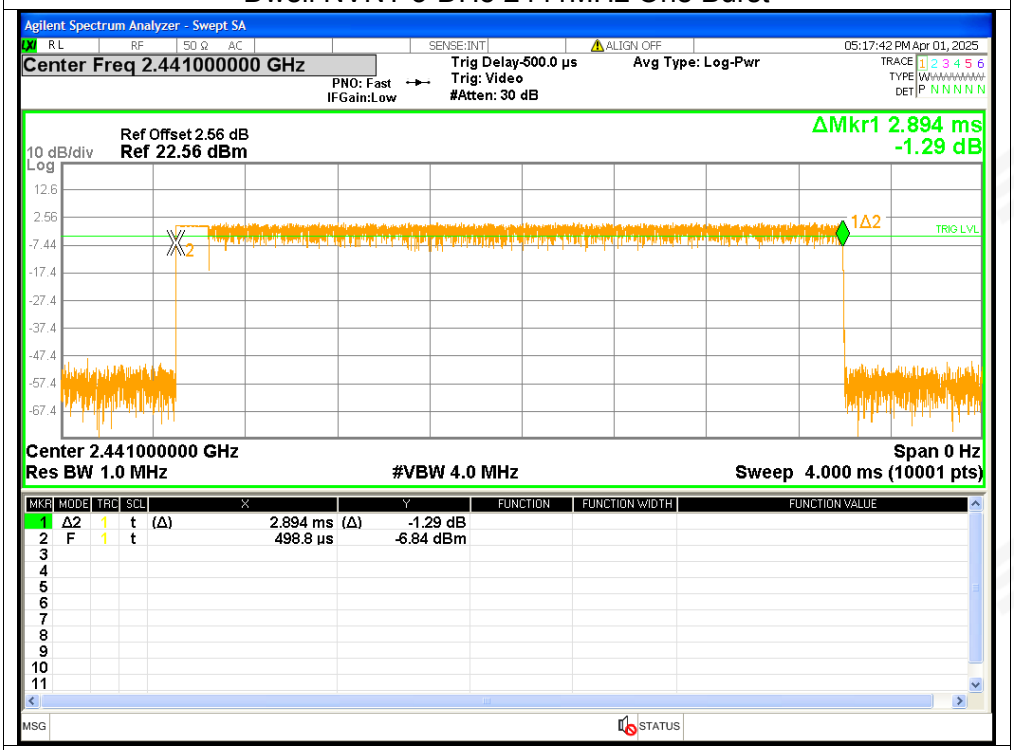
Dwell NVNT 3-DH3 2441MHz One Burst



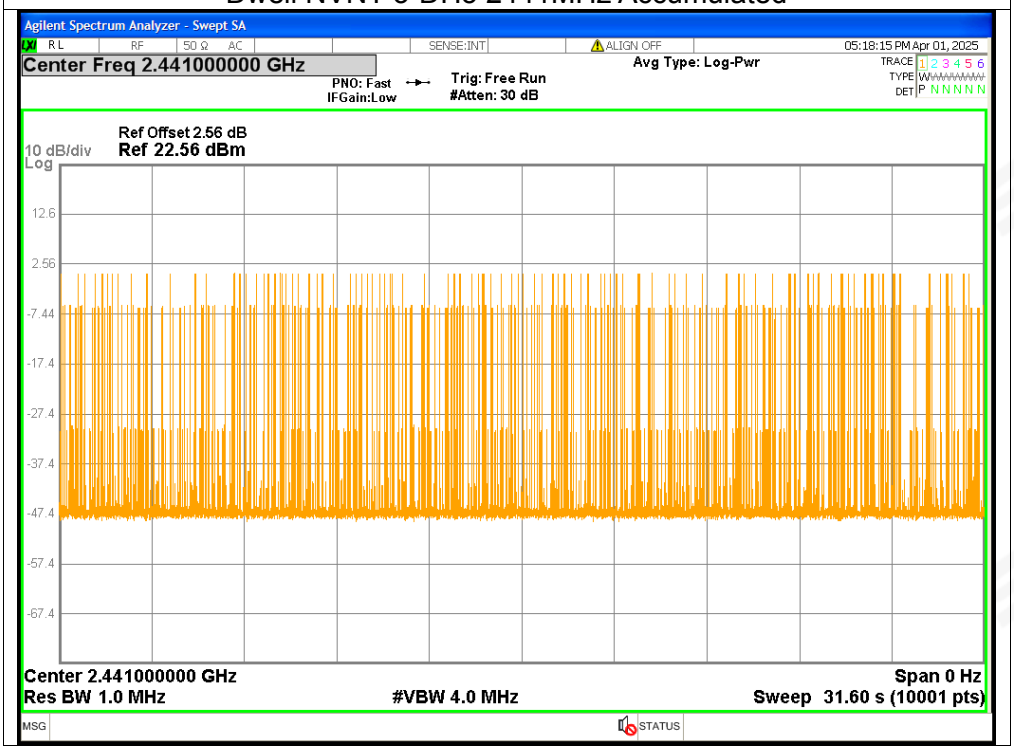
Dwell NVNT 3-DH3 2441MHz Accumulated



Dwell NVNT 3-DH5 2441MHz One Burst



Dwell NVNT 3-DH5 2441MHz Accumulated

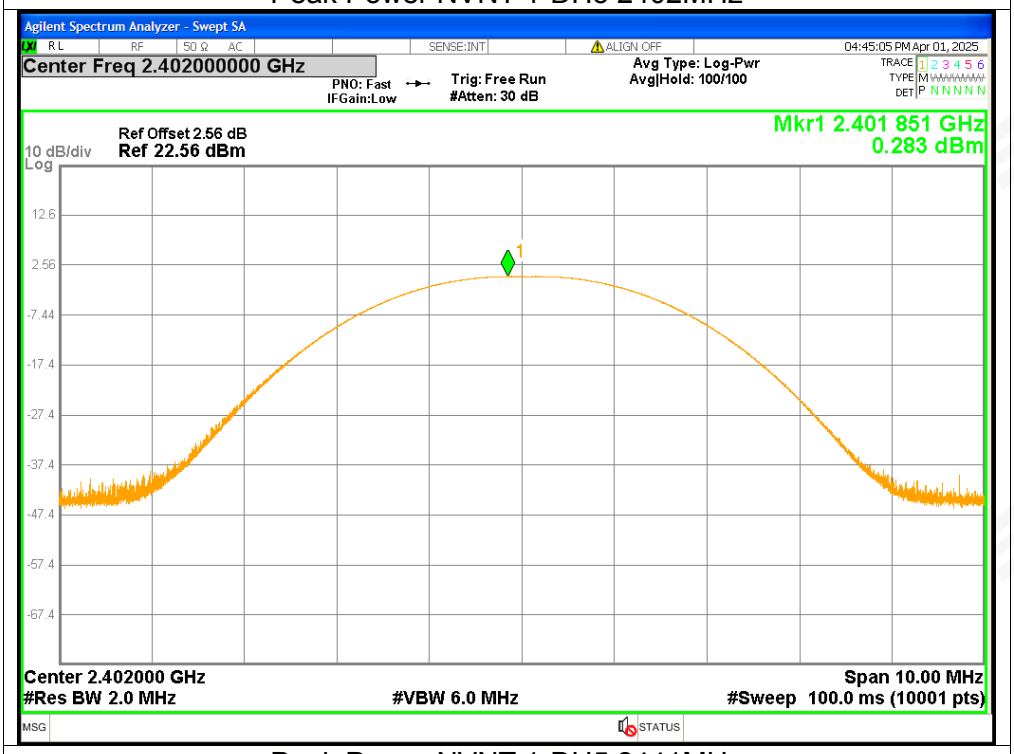


2. Maximum Peak Conducted Output Power

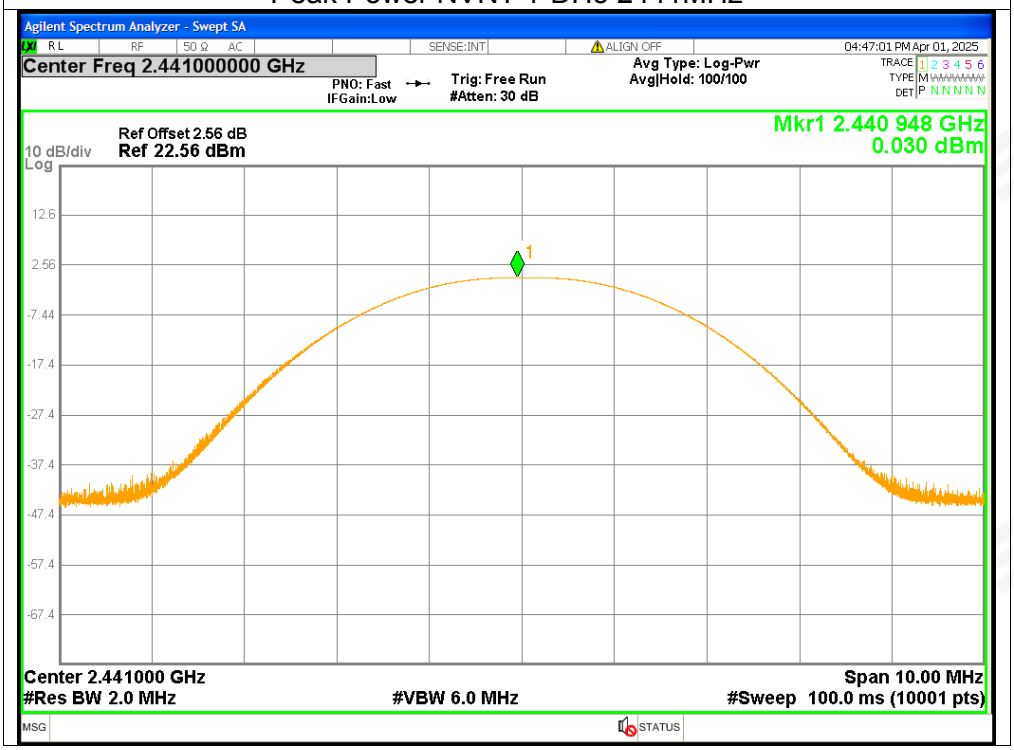
Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	0.28	<=21	Pass
NVNT	1-DH5	2441	0.03	<=21	Pass
NVNT	1-DH5	2480	-0.6	<=21	Pass
NVNT	2-DH5	2402	0.72	<=21	Pass
NVNT	2-DH5	2441	0.65	<=21	Pass
NVNT	2-DH5	2480	0.02	<=21	Pass
NVNT	3-DH5	2402	1.06	<=21	Pass
NVNT	3-DH5	2441	0.98	<=21	Pass
NVNT	3-DH5	2480	0.35	<=21	Pass

Test Graphs

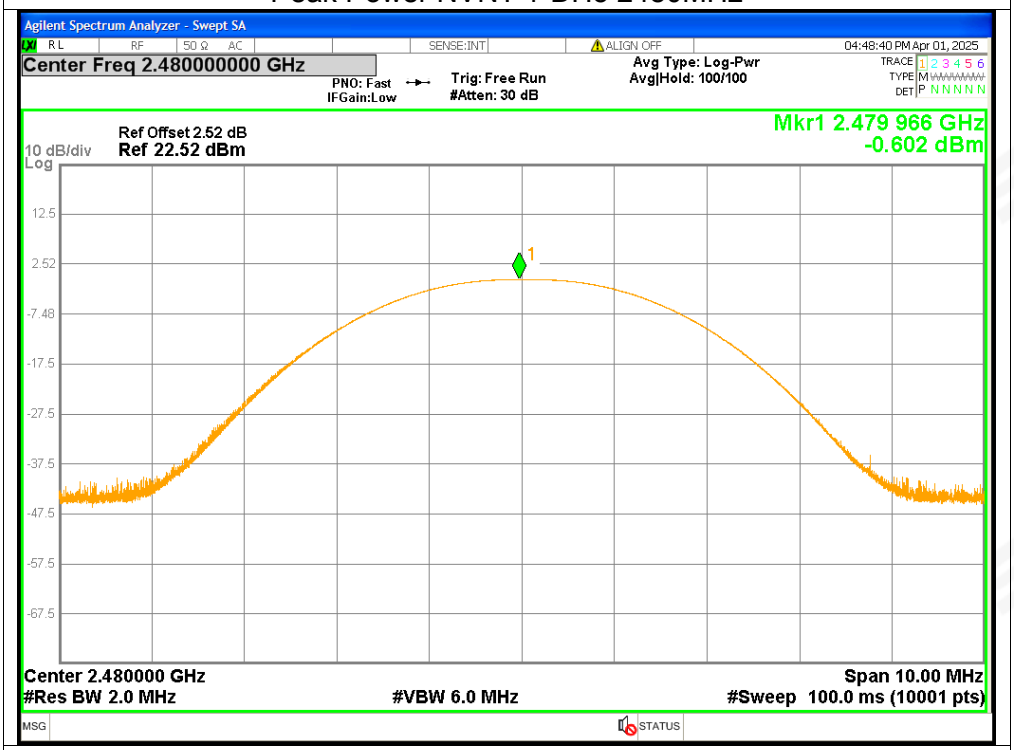
Peak Power NVNT 1-DH5 2402MHz



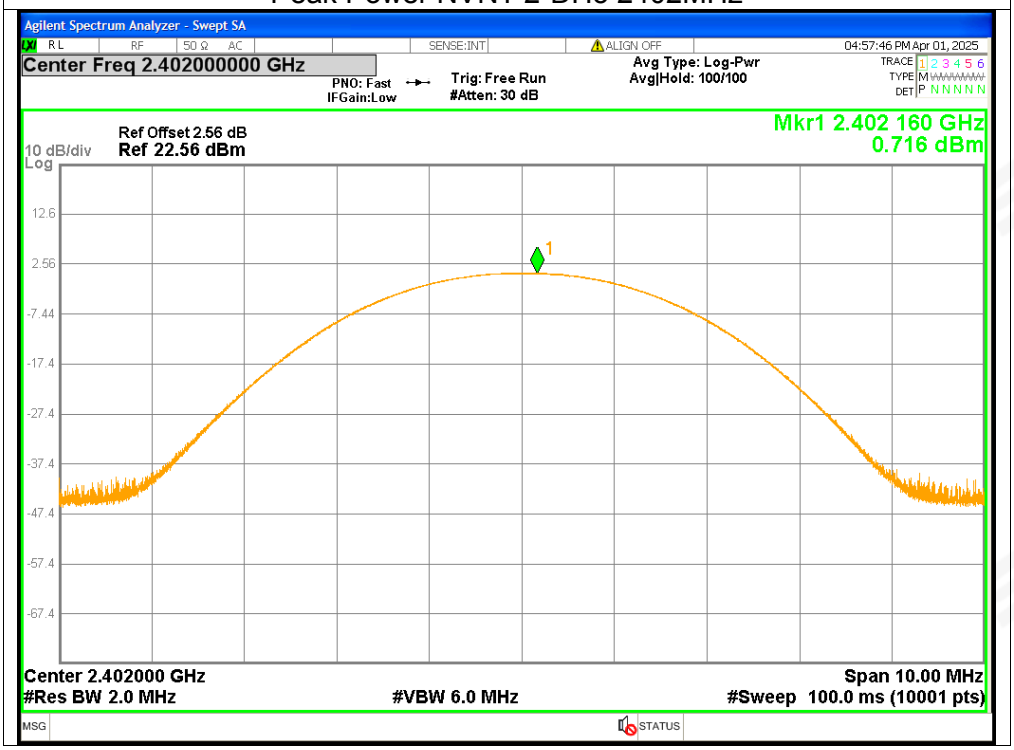
Peak Power NVNT 1-DH5 2441MHz



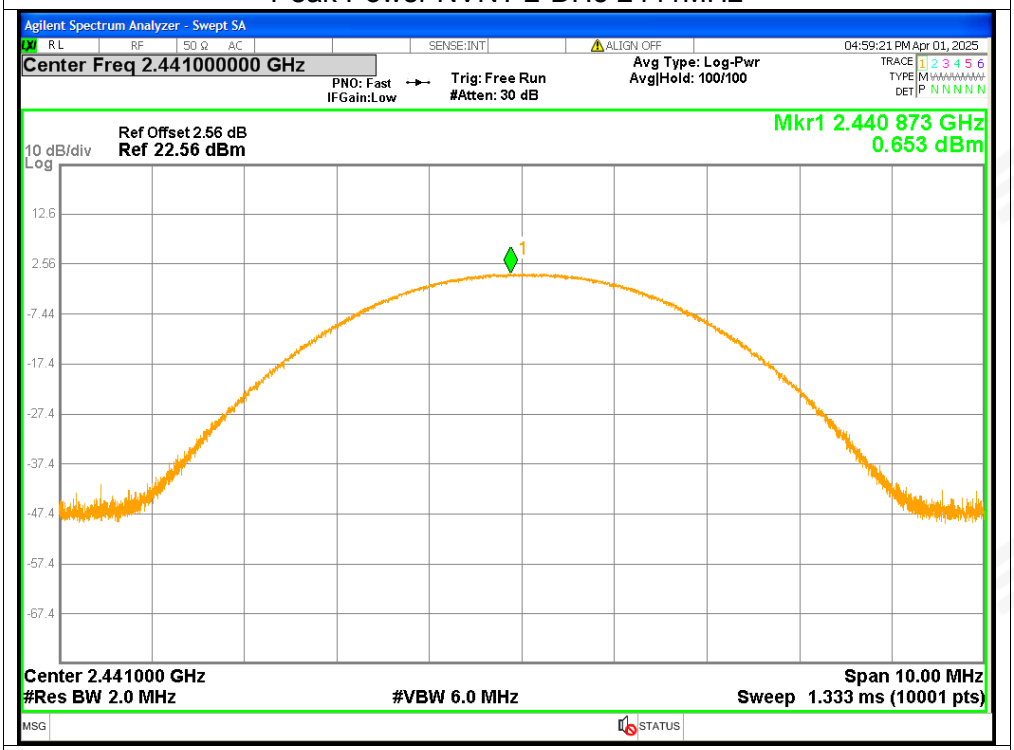
Peak Power NVNT 1-DH5 2480MHz



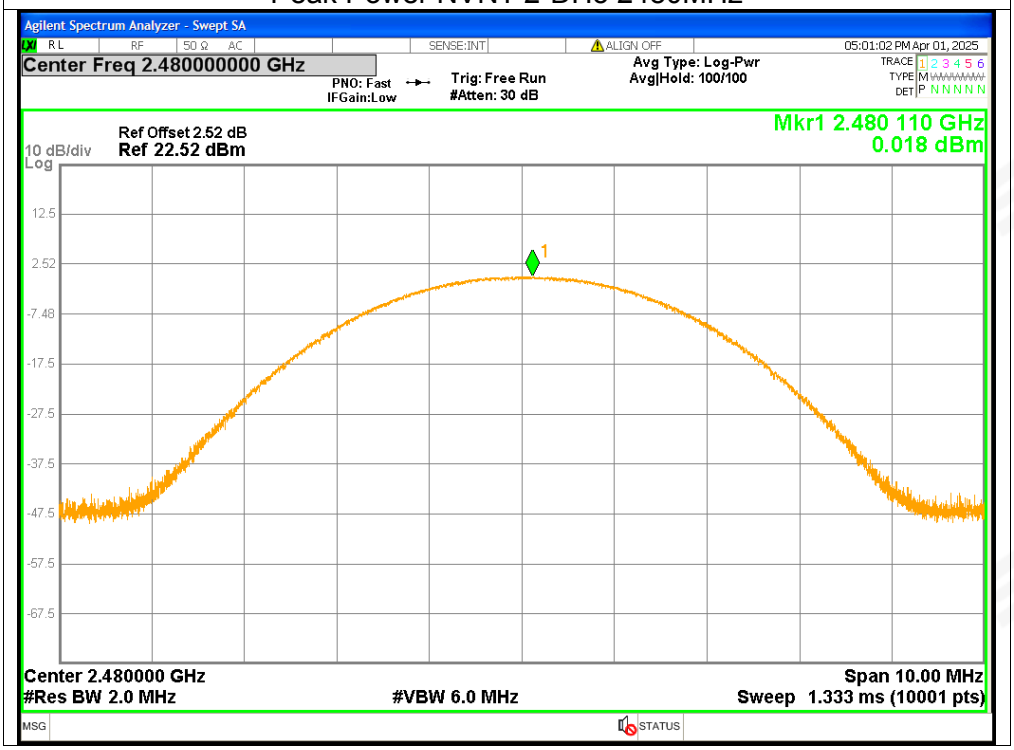
Peak Power NVNT 2-DH5 2402MHz



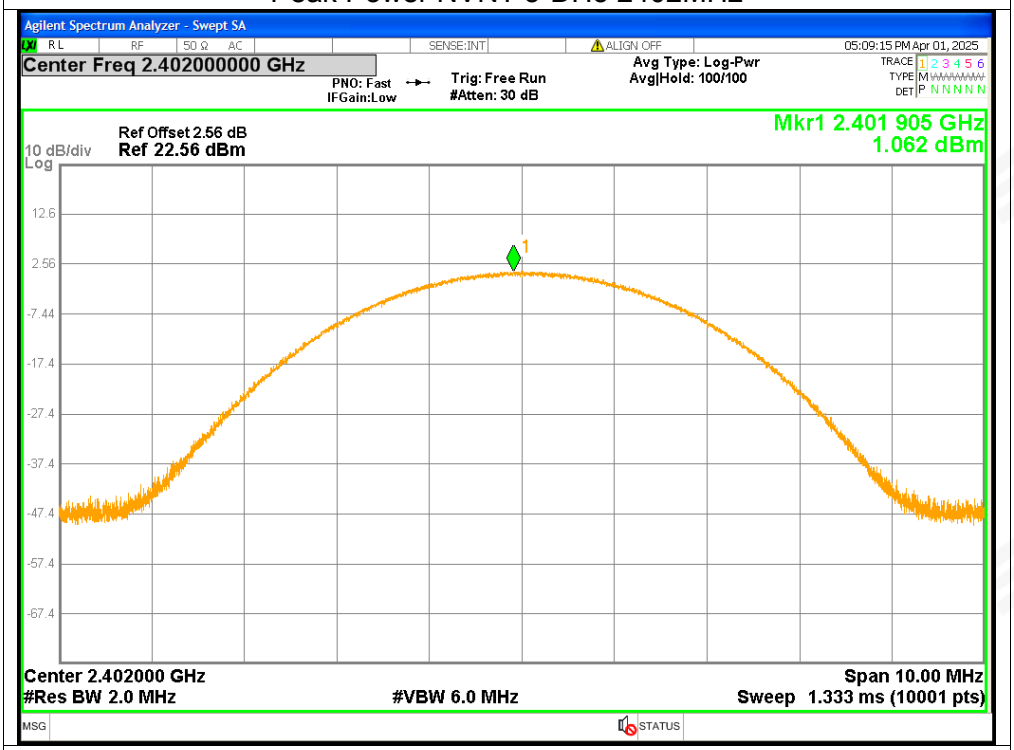
Peak Power NVNT 2-DH5 2441MHz



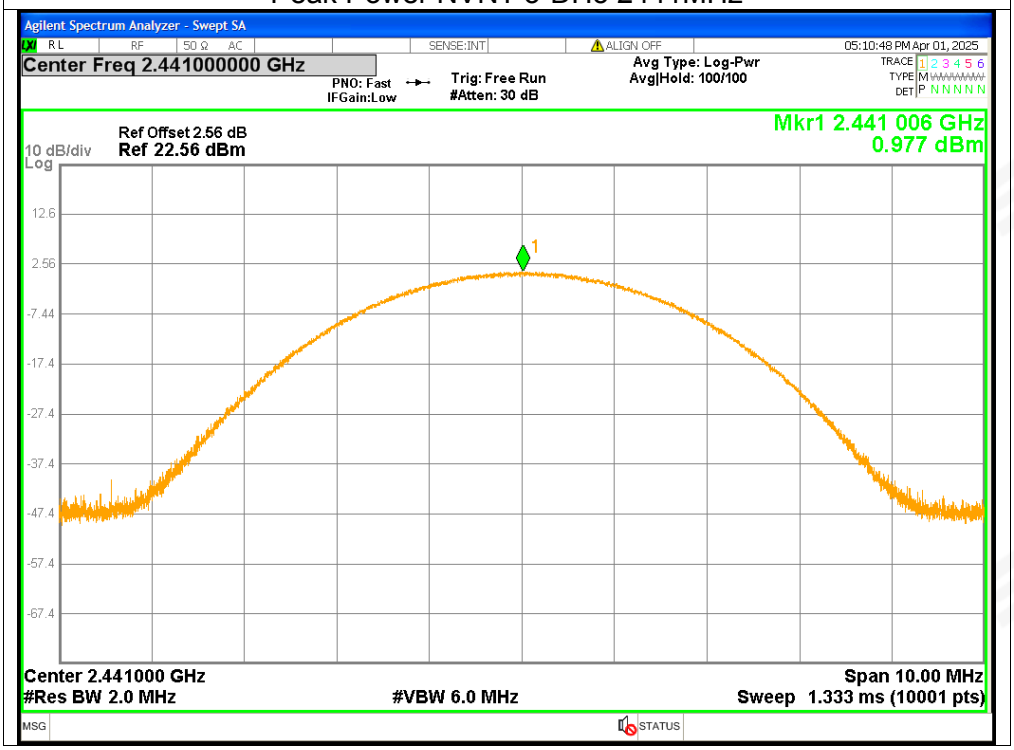
Peak Power NVNT 2-DH5 2480MHz



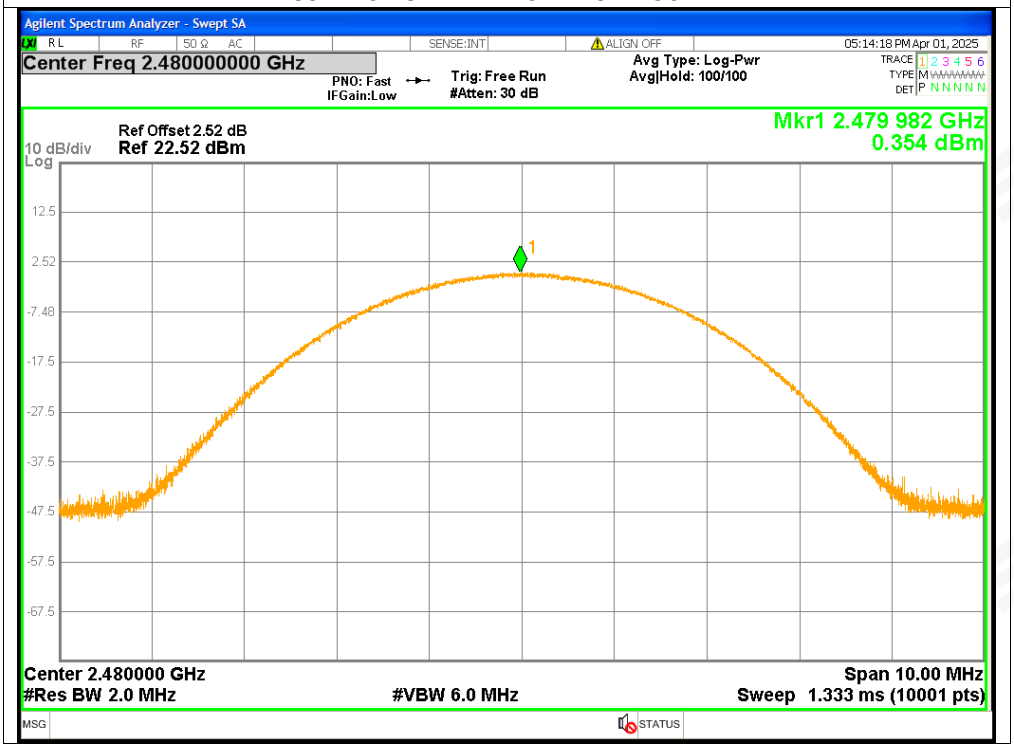
Peak Power NVNT 3-DH5 2402MHz



Peak Power NVNT 3-DH5 2441MHz



Peak Power NVNT 3-DH5 2480MHz

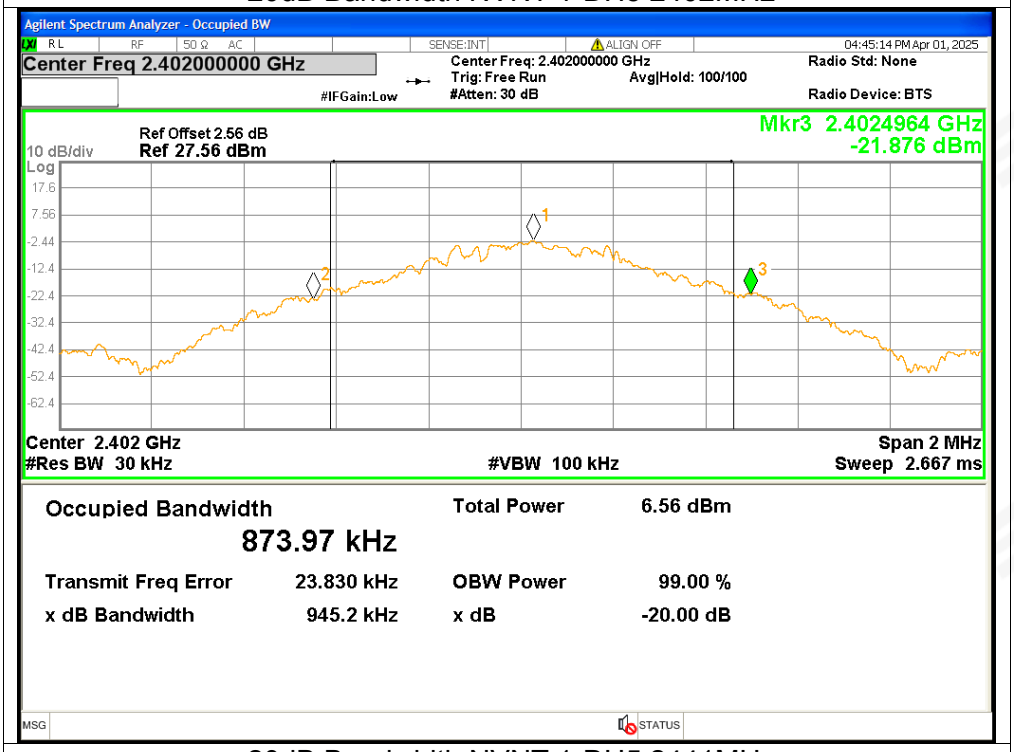


3. -20dB Bandwidth

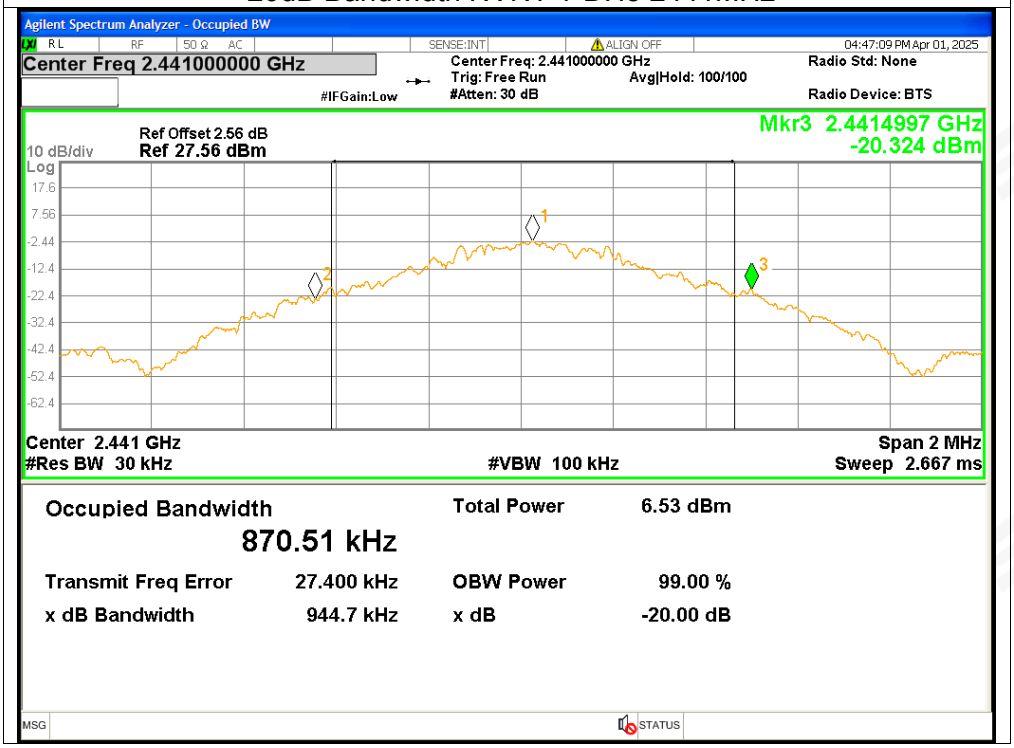
Condition	Mode	Frequency (MHz)	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	0.9452	Pass
NVNT	1-DH5	2441	0.9447	Pass
NVNT	1-DH5	2480	0.9592	Pass
NVNT	2-DH5	2402	1.2868	Pass
NVNT	2-DH5	2441	1.3065	Pass
NVNT	2-DH5	2480	1.2755	Pass
NVNT	3-DH5	2402	1.2866	Pass
NVNT	3-DH5	2441	1.2936	Pass
NVNT	3-DH5	2480	1.3023	Pass

Test Graphs

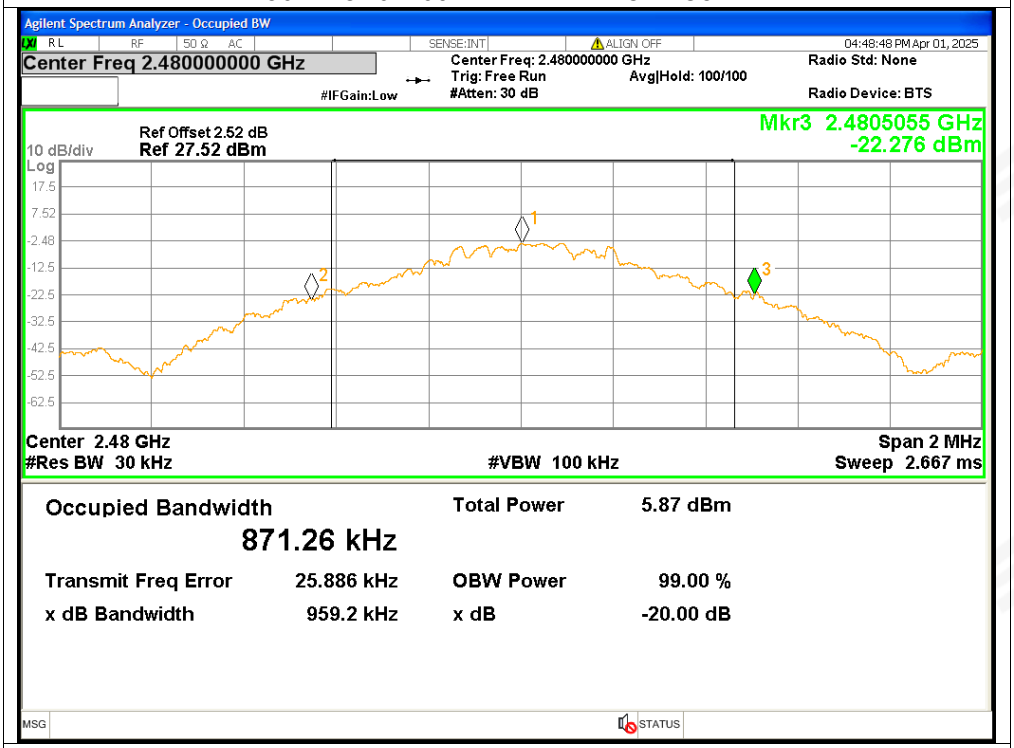
-20dB Bandwidth NVNT 1-DH5 2402MHz



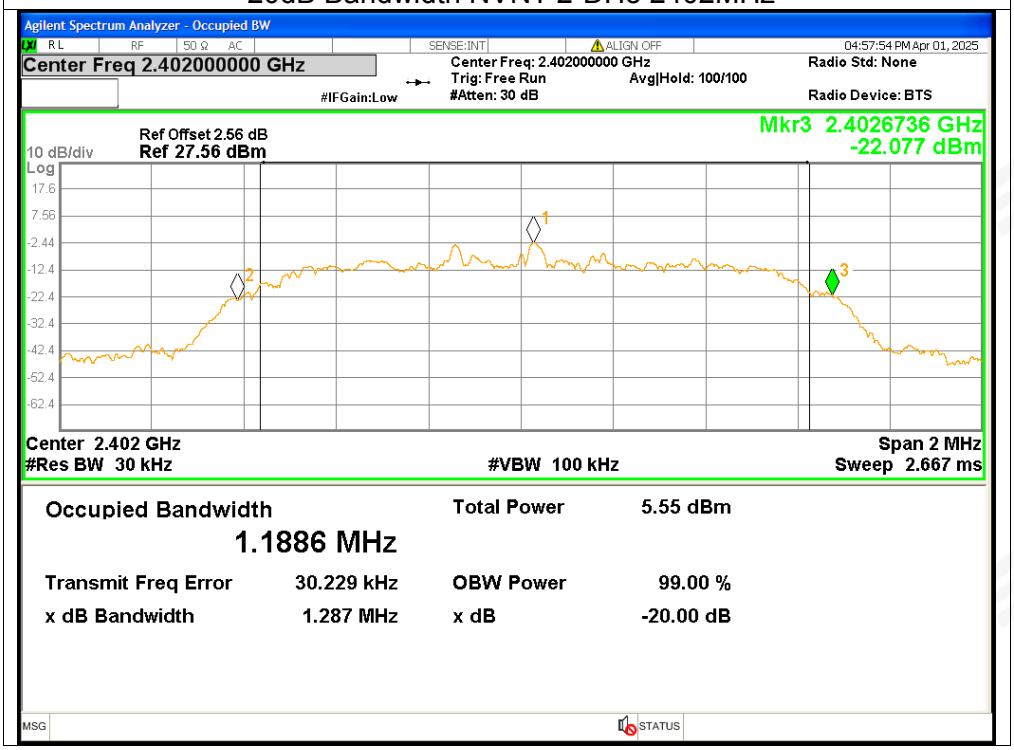
-20dB Bandwidth NVNT 1-DH5 2441MHz



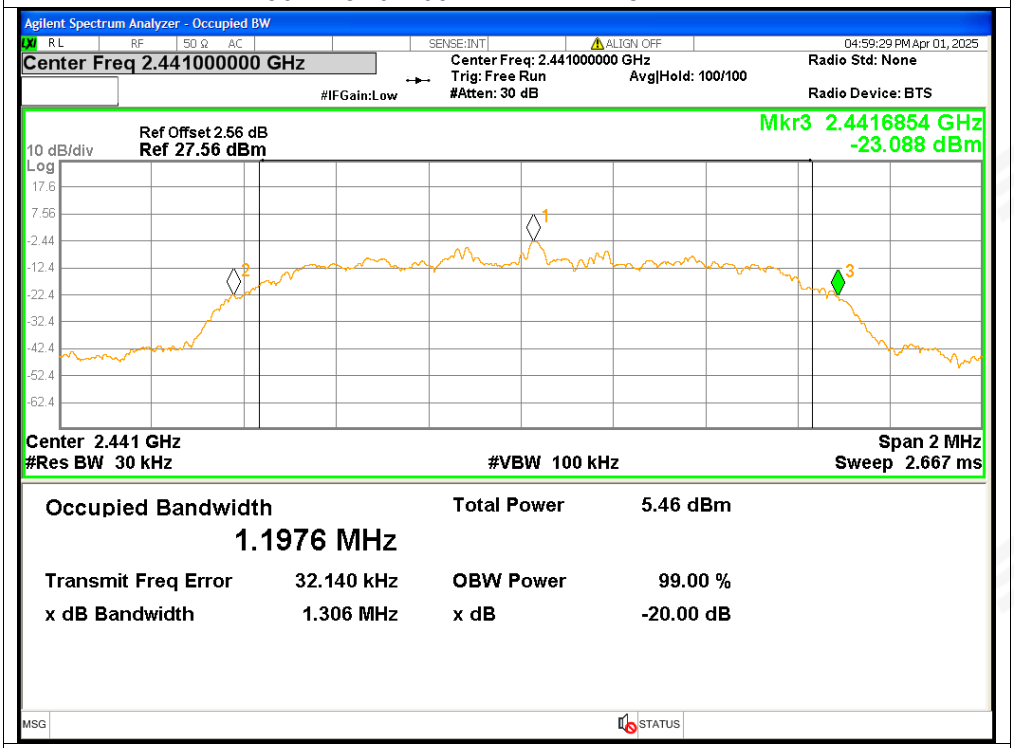
-20dB Bandwidth NVNT 1-DH5 2480MHz



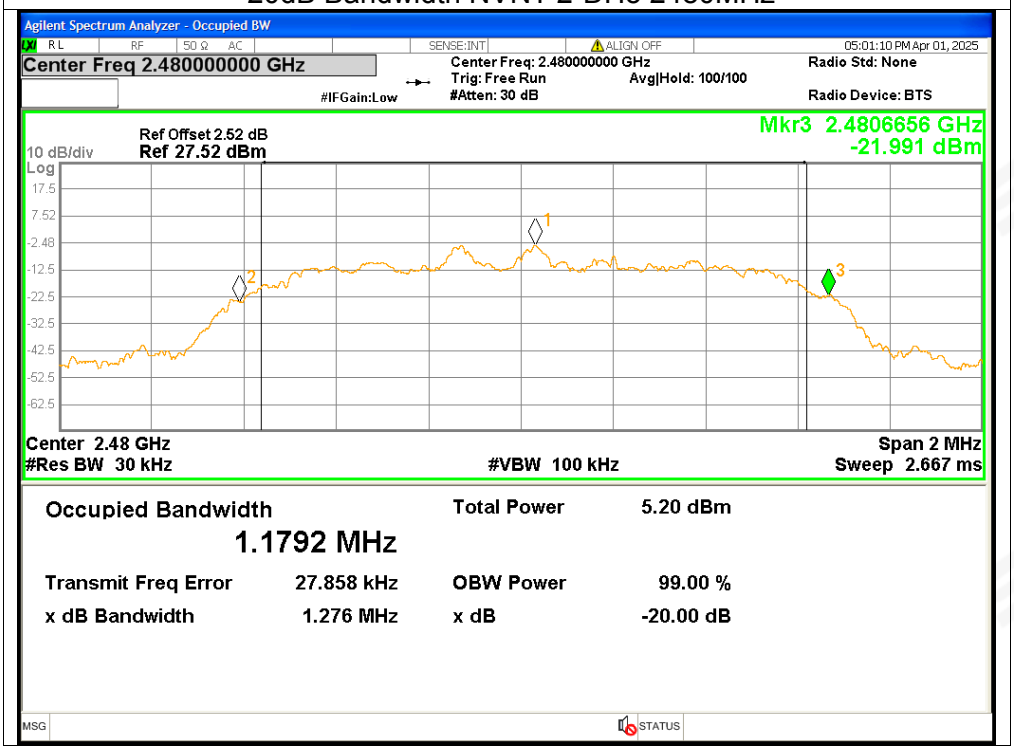
-20dB Bandwidth NVNT 2-DH5 2402MHz



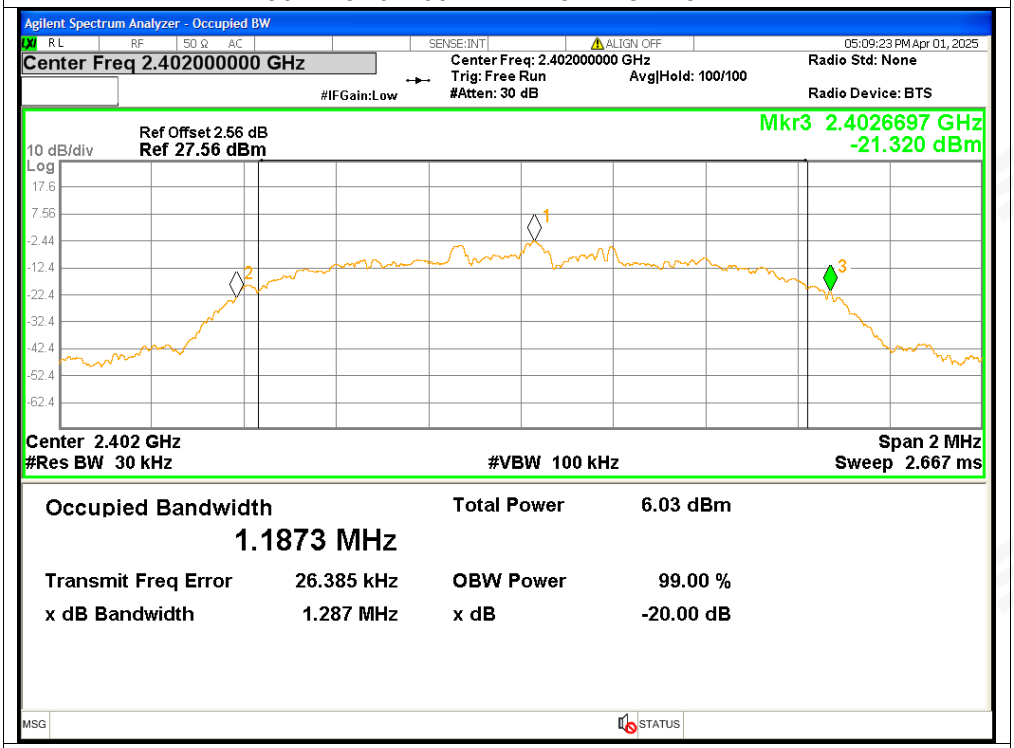
-20dB Bandwidth NVNT 2-DH5 2441MHz



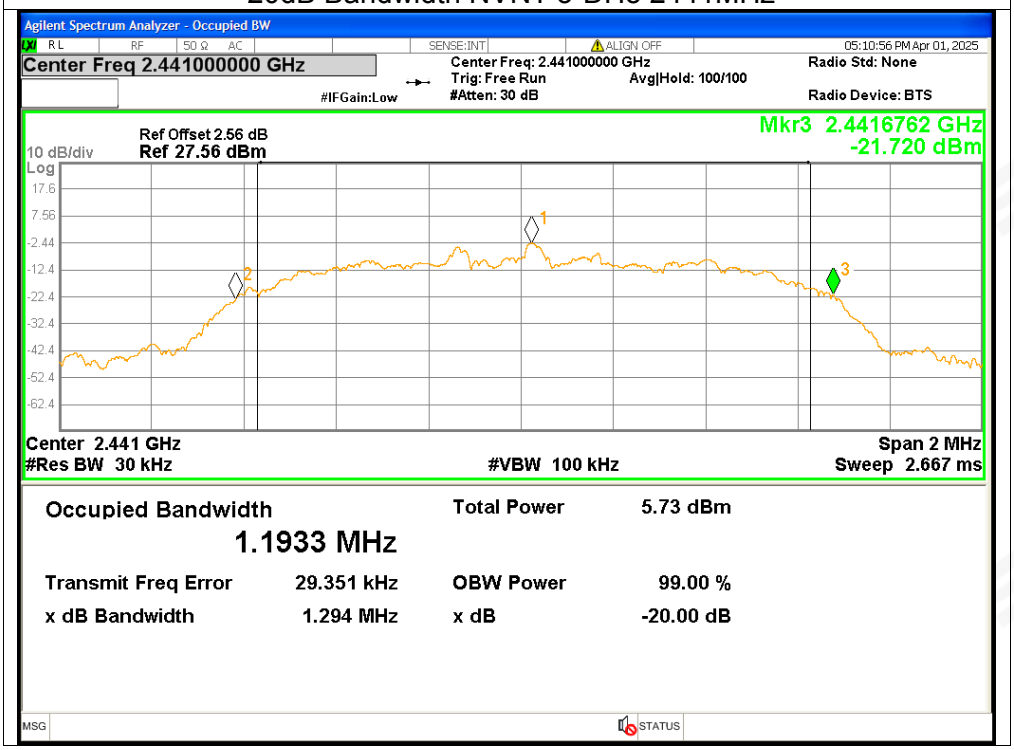
-20dB Bandwidth NVNT 2-DH5 2480MHz



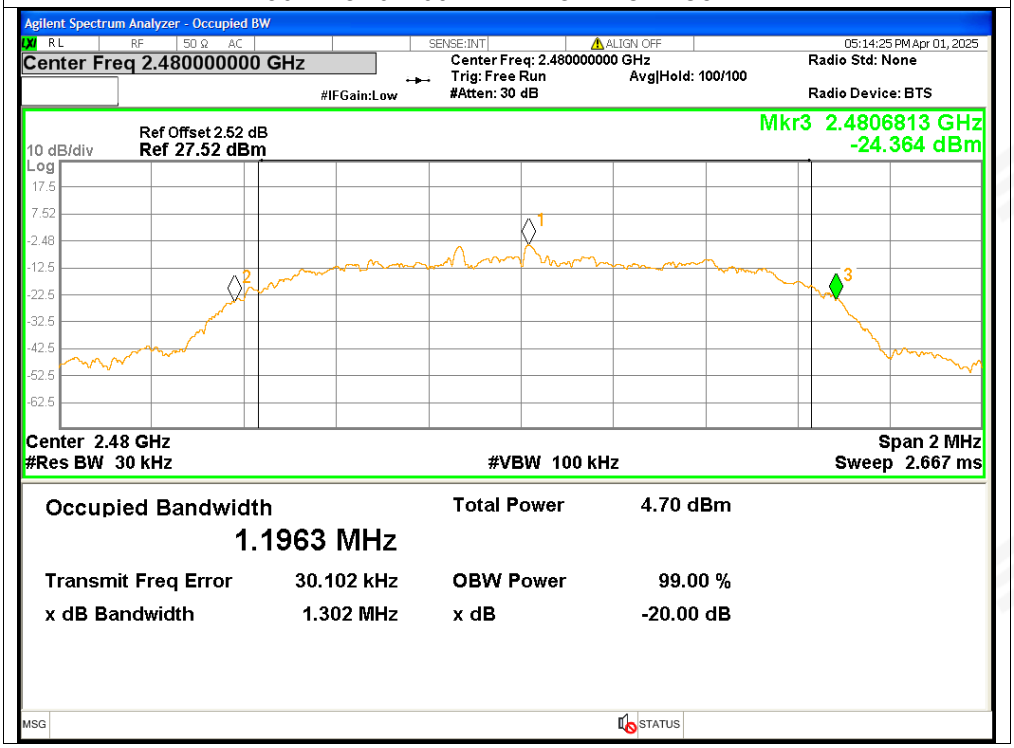
-20dB Bandwidth NVNT 3-DH5 2402MHz



-20dB Bandwidth NVNT 3-DH5 2441MHz



-20dB Bandwidth NVNT 3-DH5 2480MHz

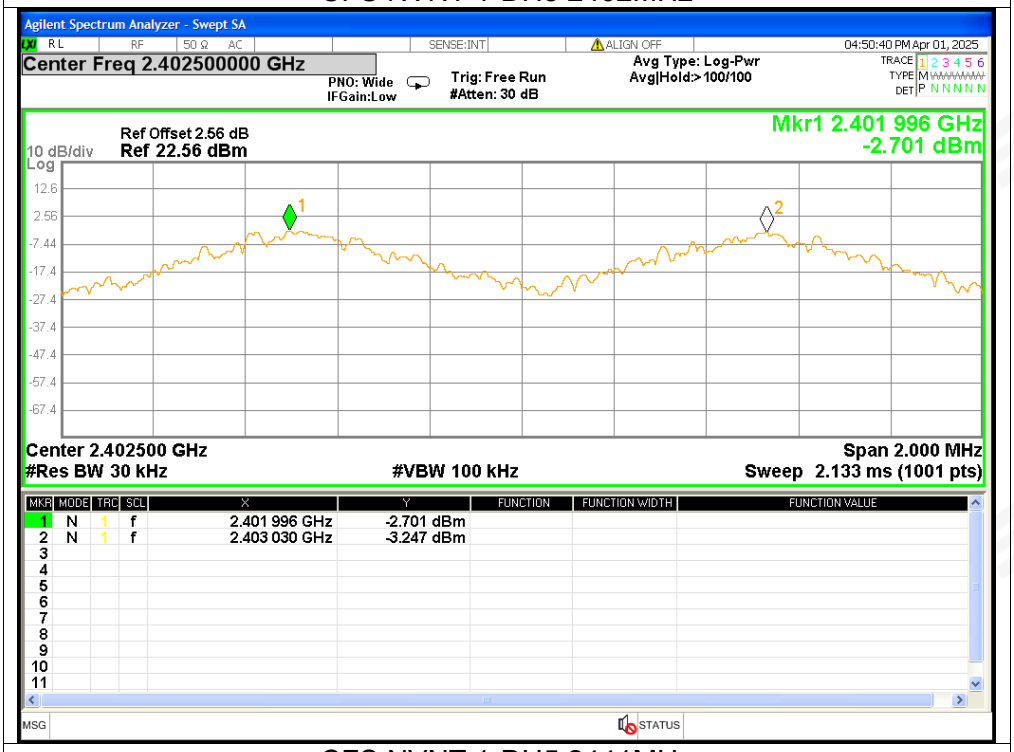


5. Carrier Frequencies Separation

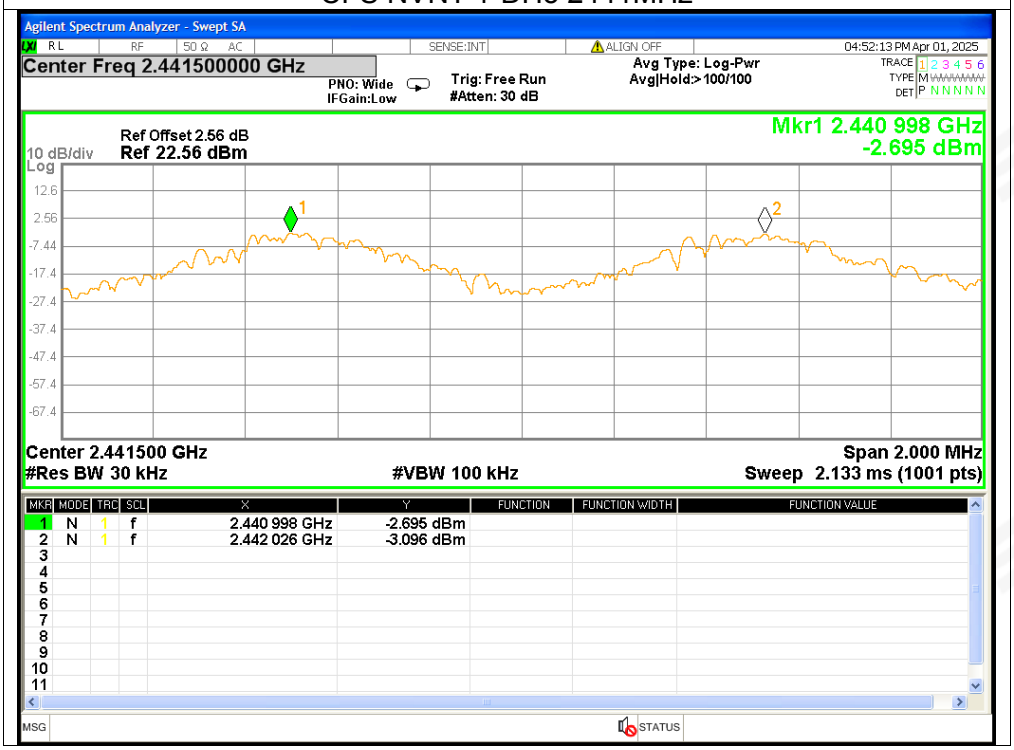
Condition	Mode	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	2401.996	2403.03	1.034	>=0.63	Pass
NVNT	1-DH5	2440.998	2442.026	1.028	>=0.63	Pass
NVNT	1-DH5	2479.048	2480.03	0.982	>=0.639	Pass
NVNT	2-DH5	2402.014	2403.008	0.994	>=0.858	Pass
NVNT	2-DH5	2441.012	2442.022	1.01	>=0.871	Pass
NVNT	2-DH5	2478.852	2479.866	1.014	>=0.85	Pass
NVNT	3-DH5	2402.188	2403.152	0.964	>=0.858	Pass
NVNT	3-DH5	2441.04	2441.936	0.896	>=0.862	Pass
NVNT	3-DH5	2479.018	2480.018	1	>=0.868	Pass

Test Graphs

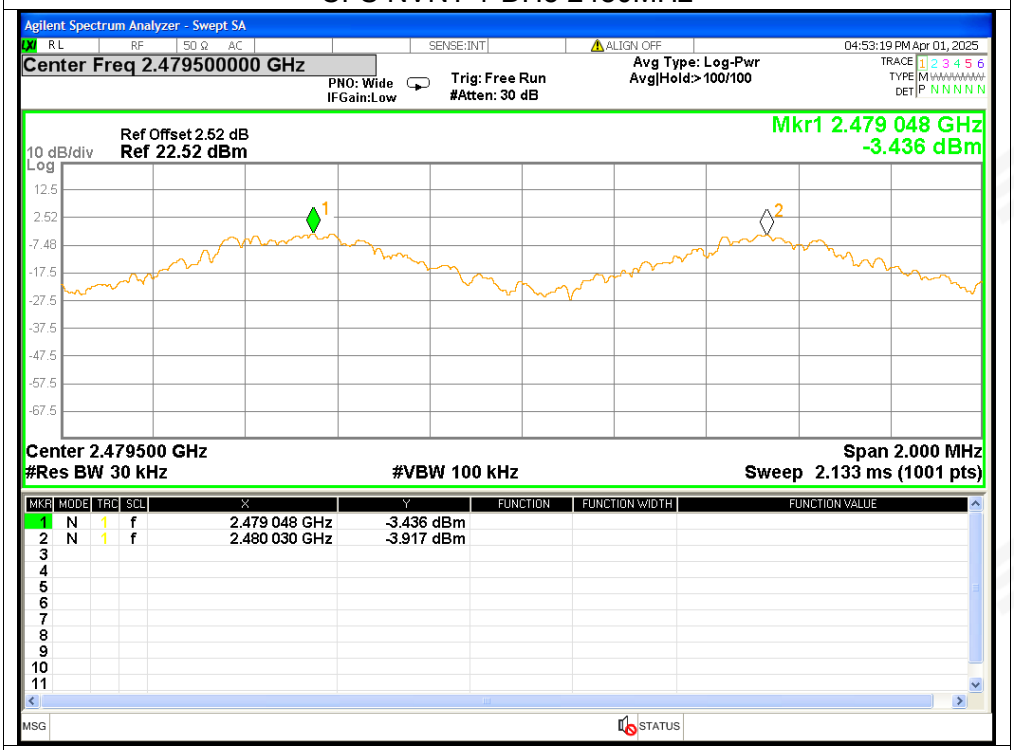
CFS NVNT 1-DH5 2402MHz



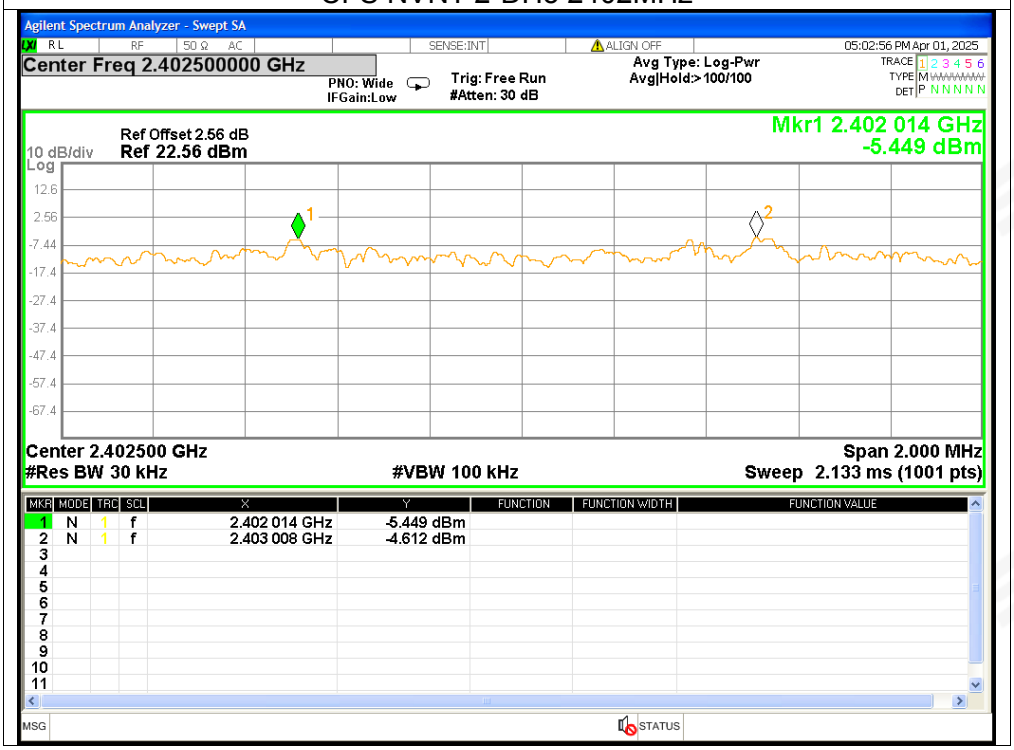
CFS NVNT 1-DH5 2441MHz



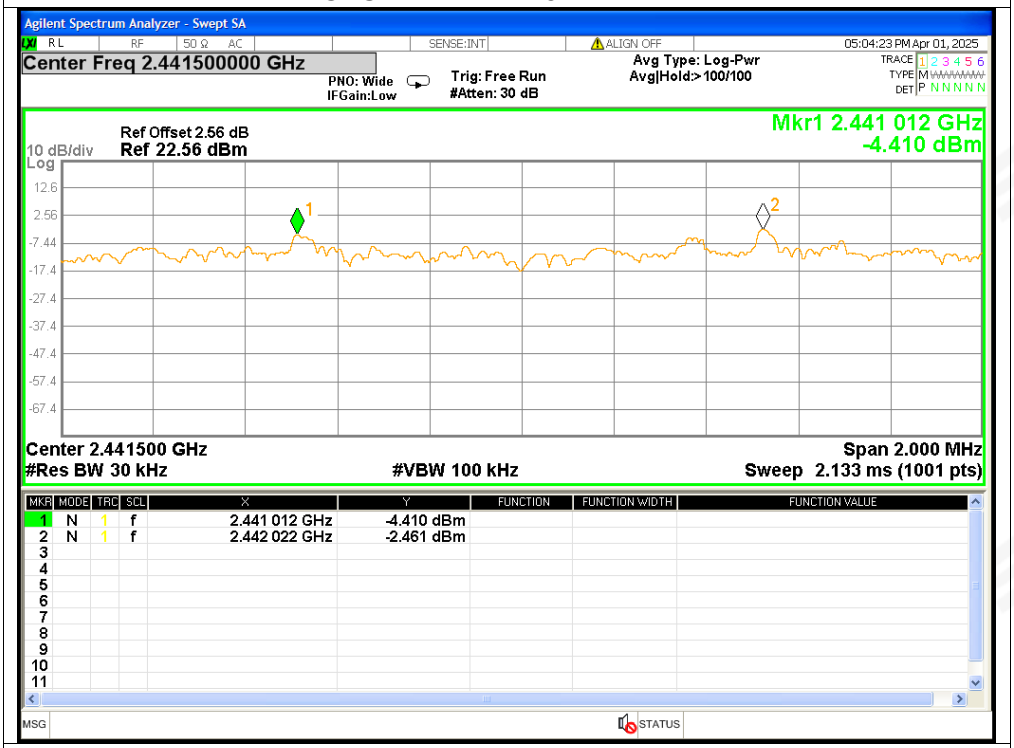
CFS NVNT 1-DH5 2480MHz



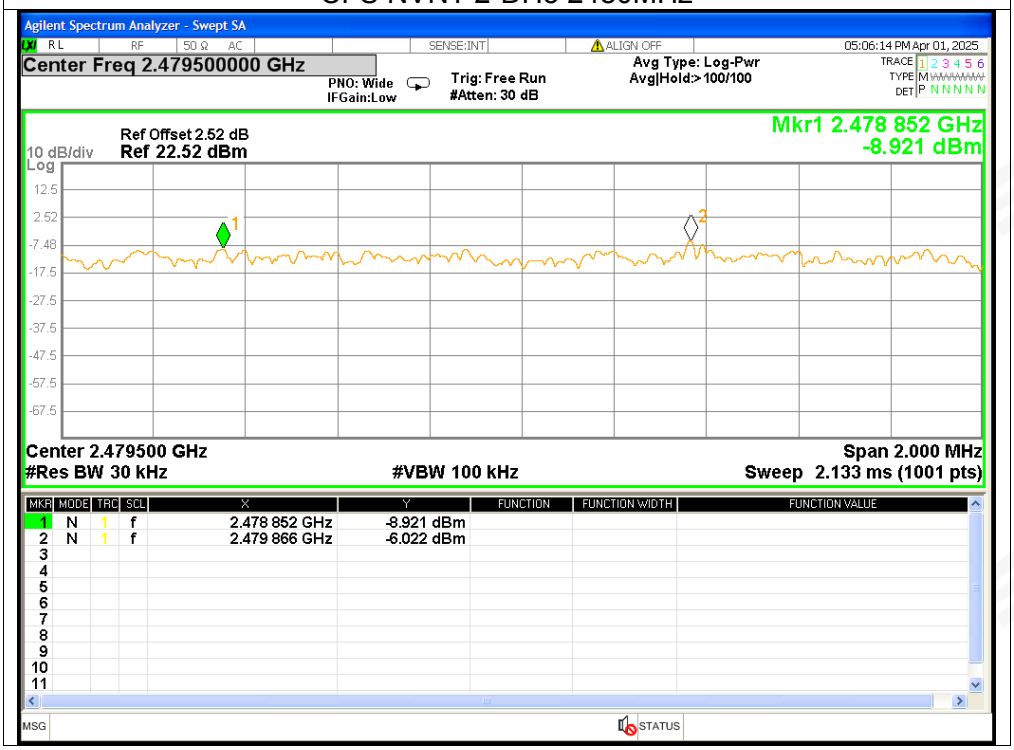
CFS NVNT 2-DH5 2402MHz



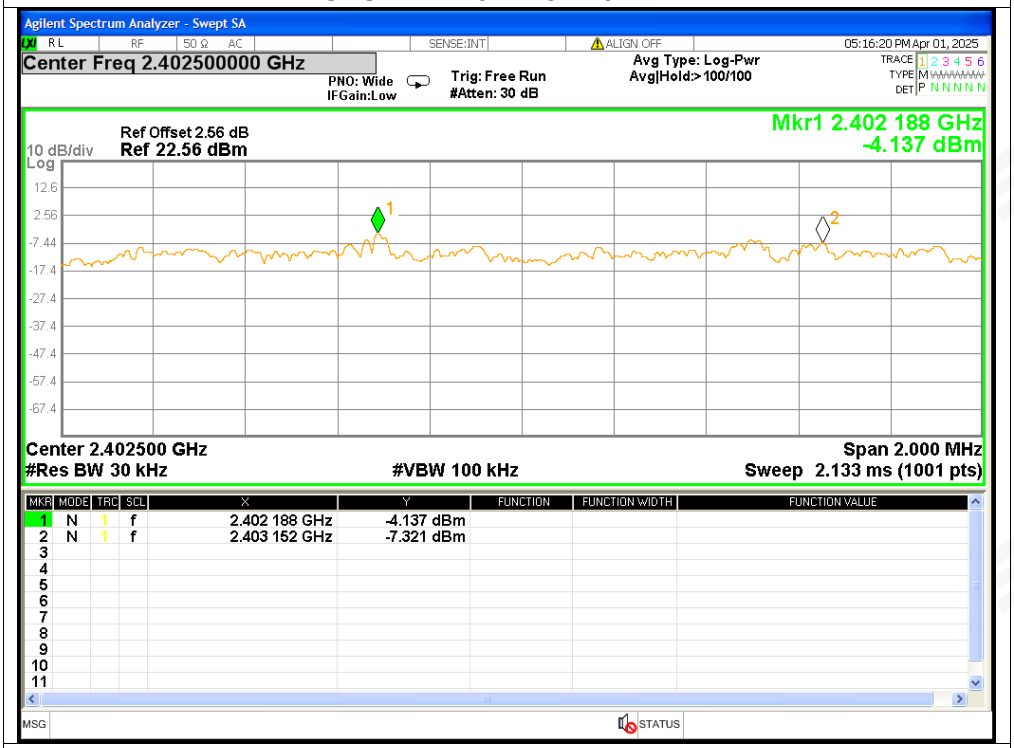
CFS NVNT 2-DH5 2441MHz



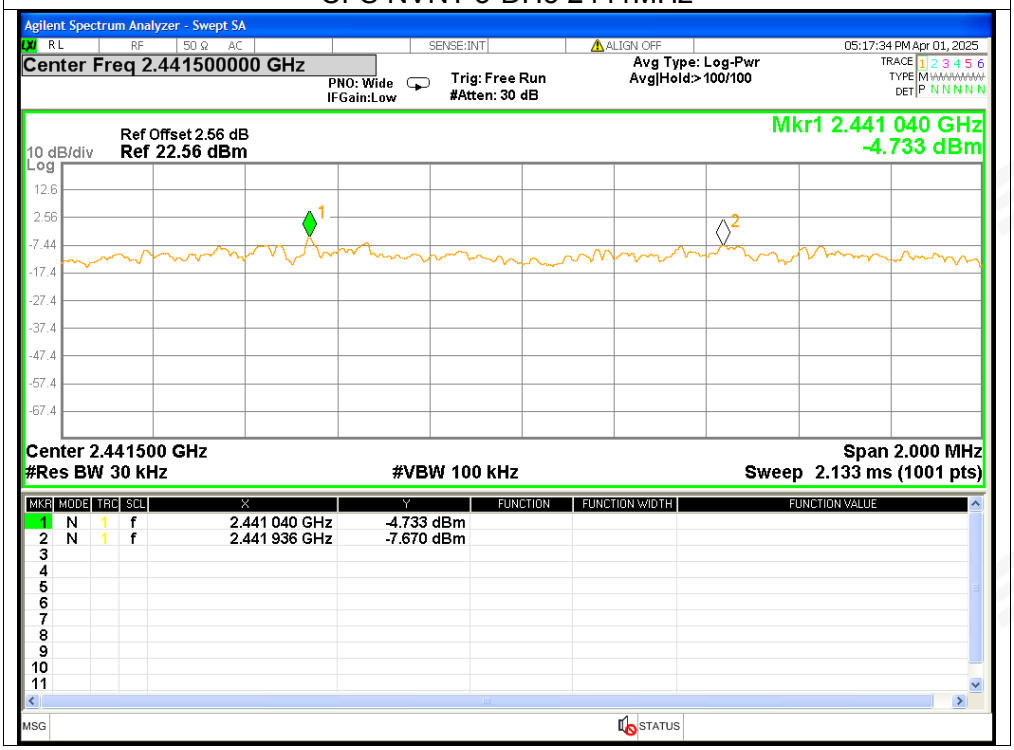
CFS NVNT 2-DH5 2480MHz



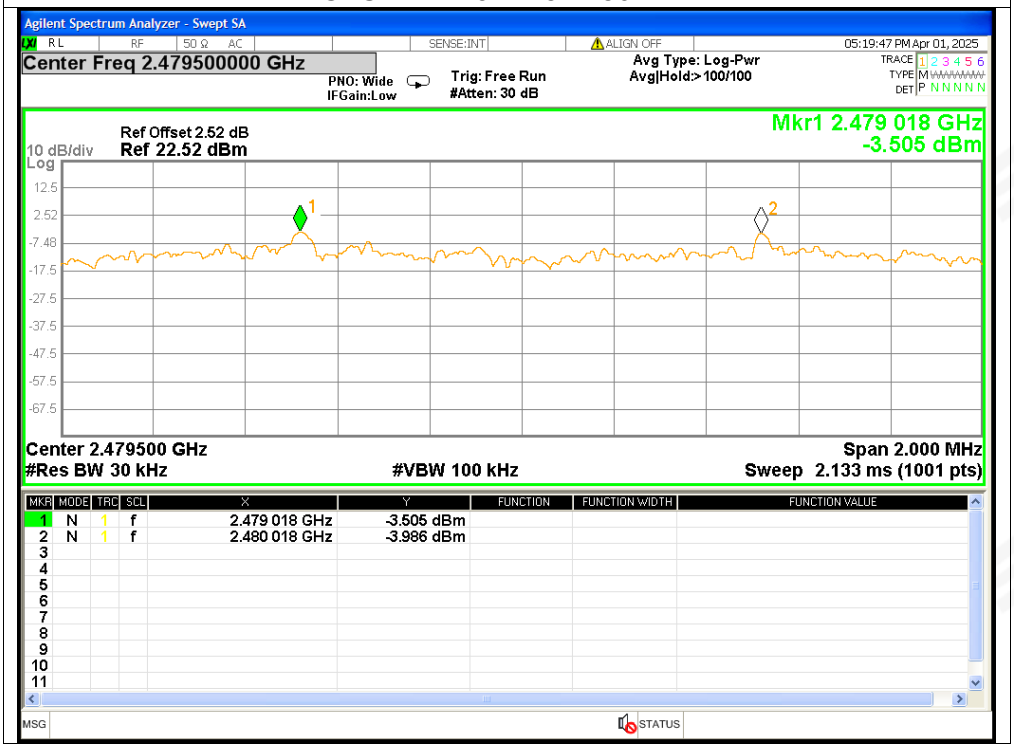
CFS NVNT 3-DH5 2402MHz



CFS NVNT 3-DH5 2441MHz



CFS NVNT 3-DH5 2480MHz

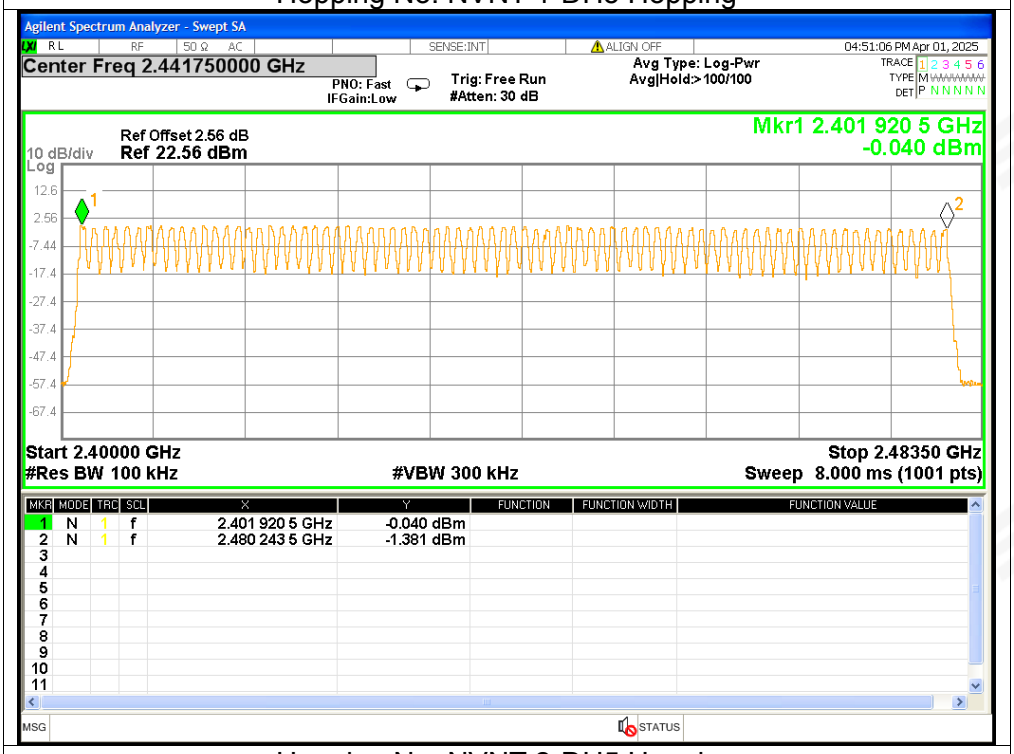


6. Number of Hopping Channel

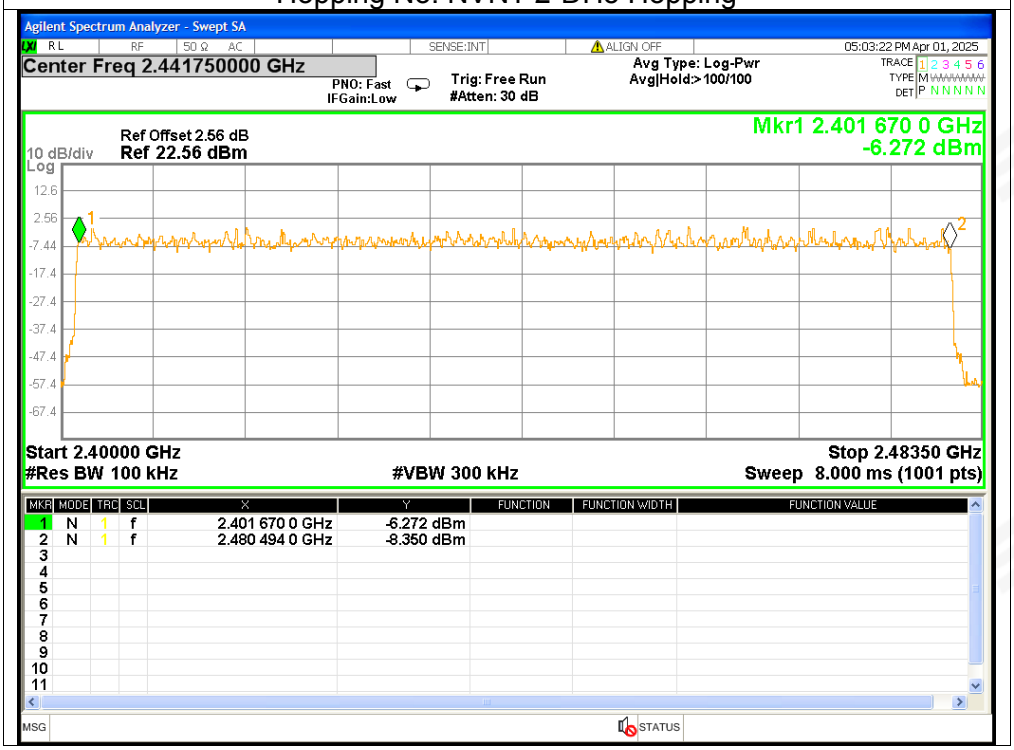
Condition	Mode	Hopping Number	Limit	Verdict
NVNT	1-DH5	79	>=15	Pass
NVNT	2-DH5	79	>=15	Pass
NVNT	3-DH5	79	>=15	Pass

Test Graphs

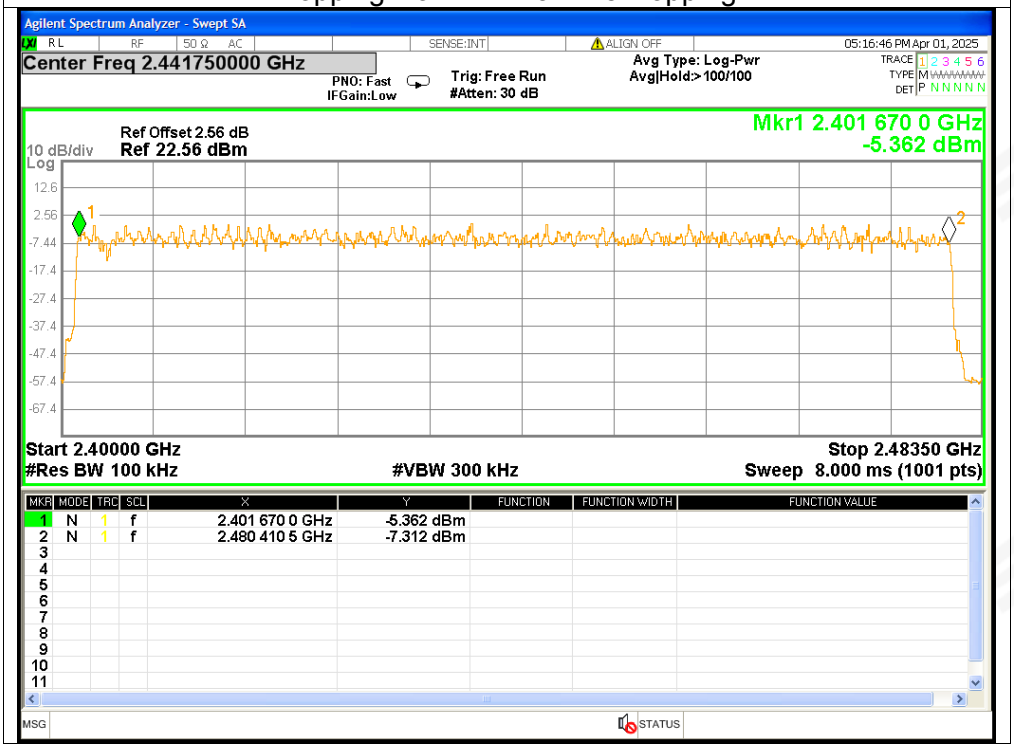
Hopping No. NVNT 1-DH5 Hopping



Hopping No. NVNT 2-DH5 Hopping



Hopping No. NVNT 3-DH5 Hopping

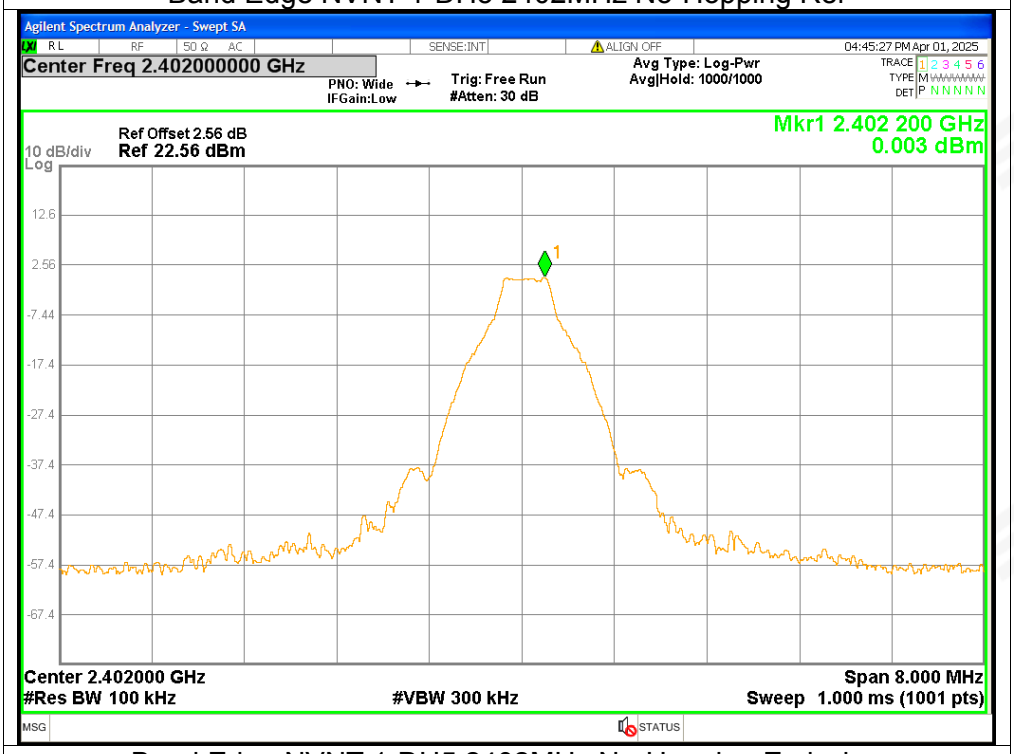


7. Band Edge

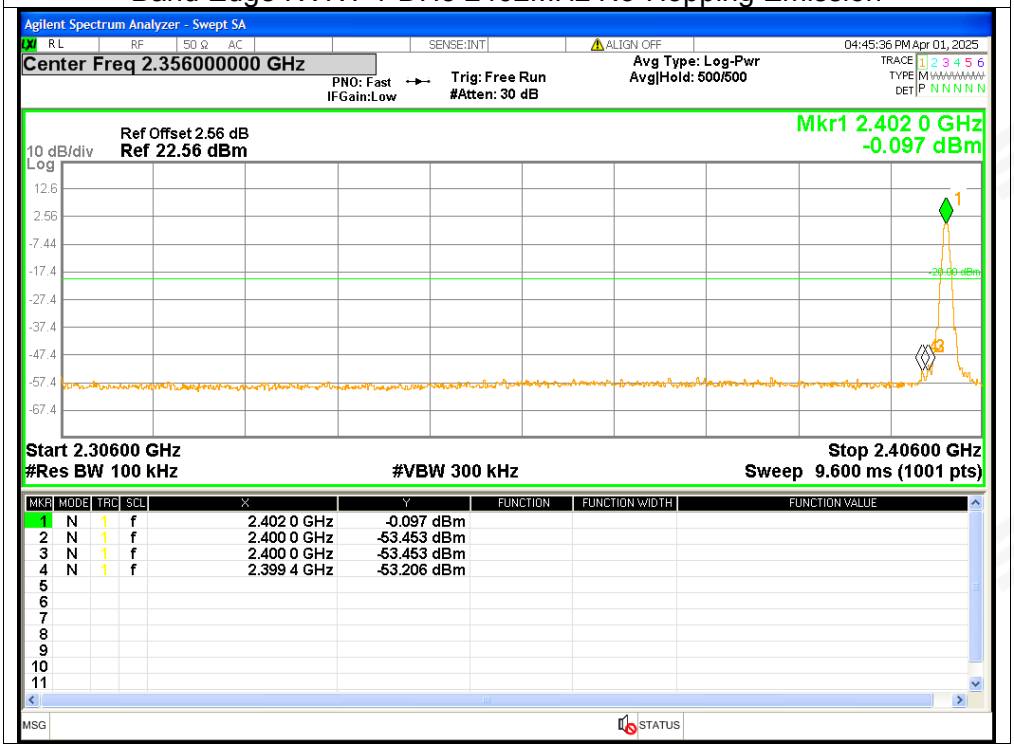
Condition	Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	No-Hopping	-53.2	<=-20	Pass
NVNT	1-DH5	2480	No-Hopping	-54.73	<=-20	Pass
NVNT	2-DH5	2402	No-Hopping	-50.49	<=-20	Pass
NVNT	2-DH5	2480	No-Hopping	-53.2	<=-20	Pass
NVNT	3-DH5	2402	No-Hopping	-52.89	<=-20	Pass
NVNT	3-DH5	2480	No-Hopping	-53.3	<=-20	Pass

Test Graphs

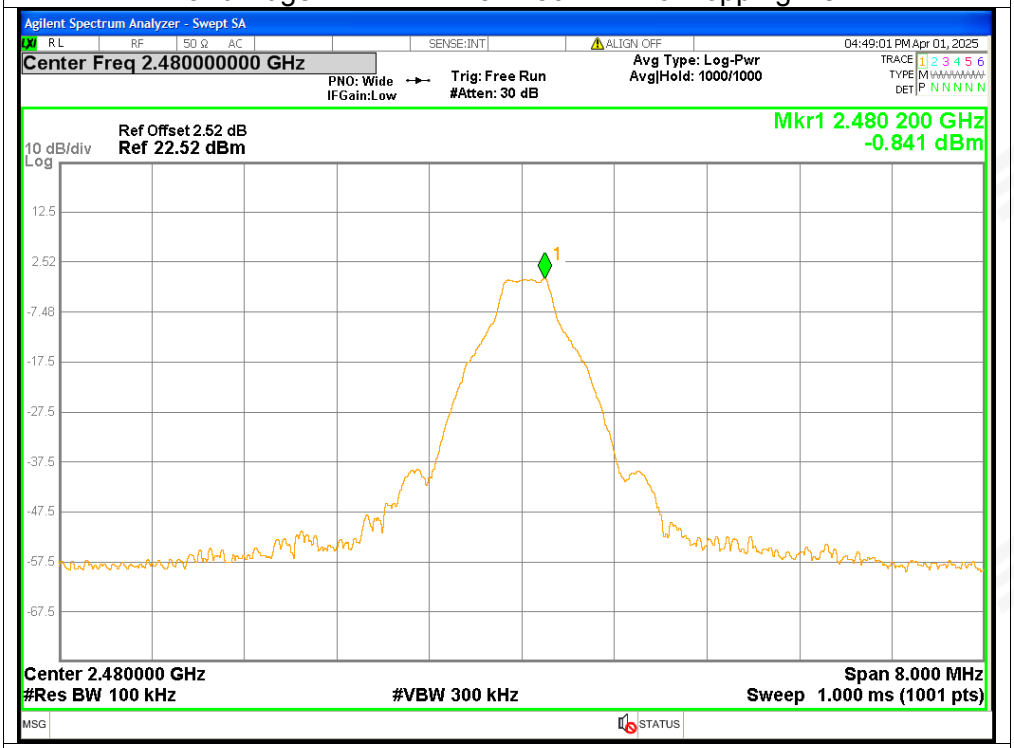
Band Edge NVNT 1-DH5 2402MHz No-Hopping Ref



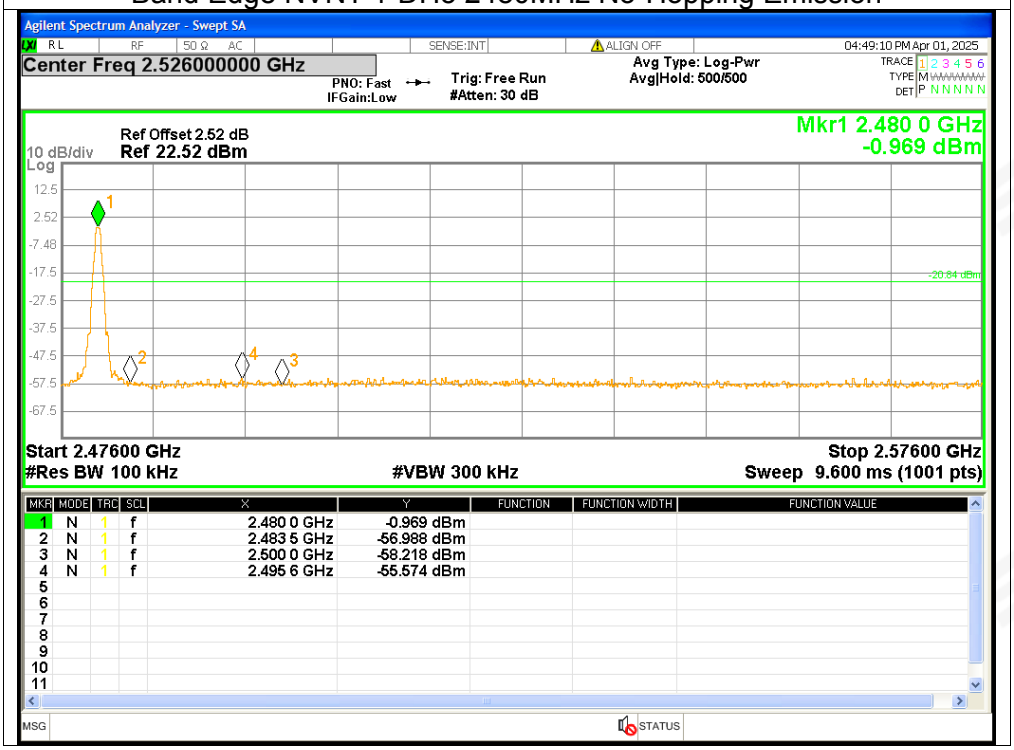
Band Edge NVNT 1-DH5 2402MHz No-Hopping Emission



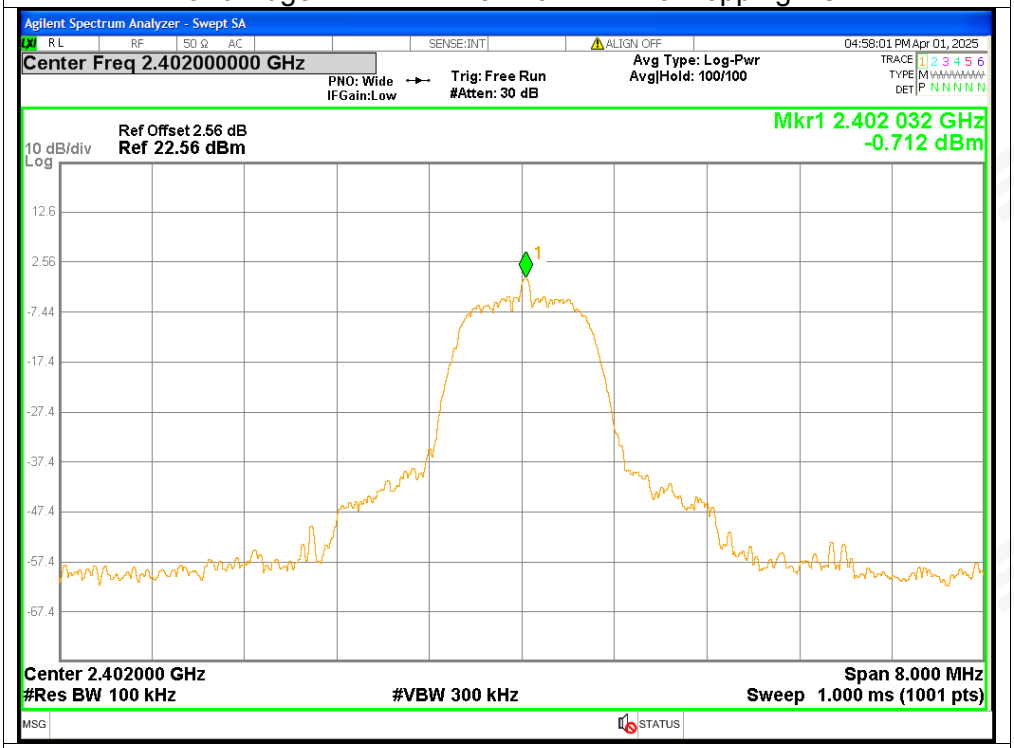
Band Edge NVNT 1-DH5 2480MHz No-Hopping Ref



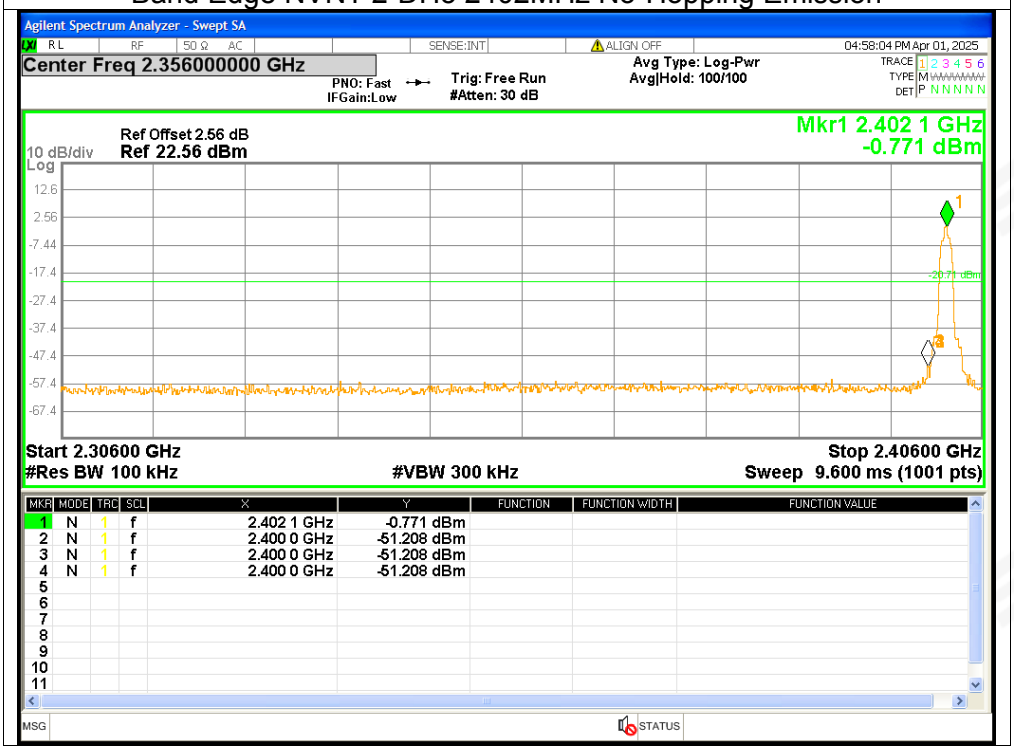
Band Edge NVNT 1-DH5 2480MHz No-Hopping Emission



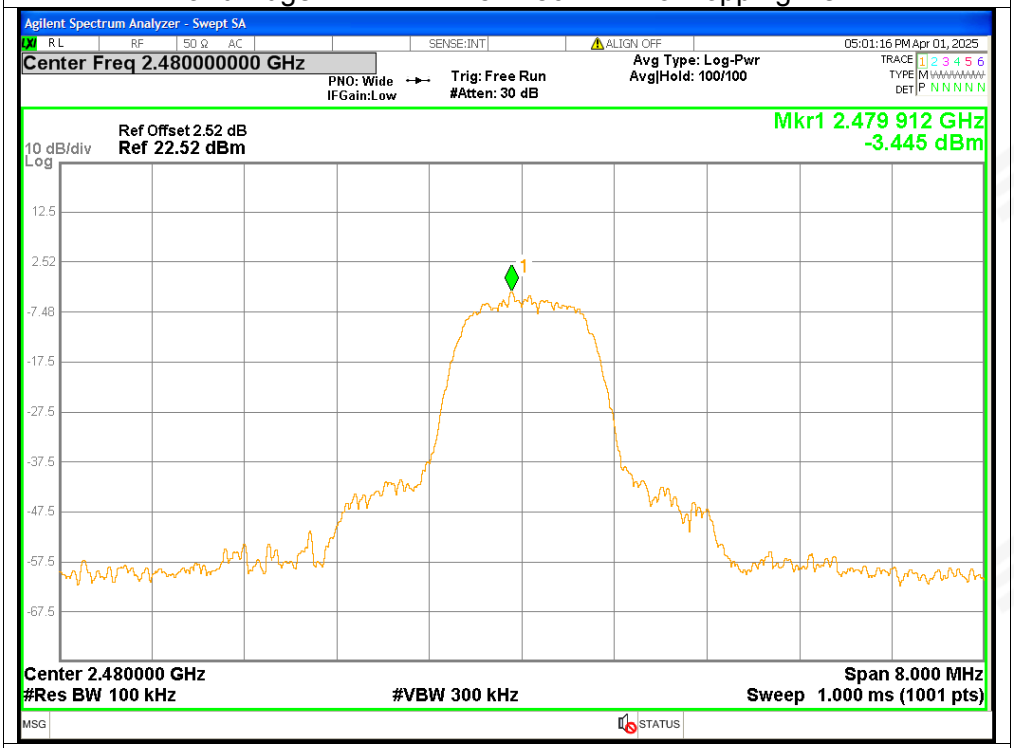
Band Edge NVNT 2-DH5 2402MHz No-Hopping Ref



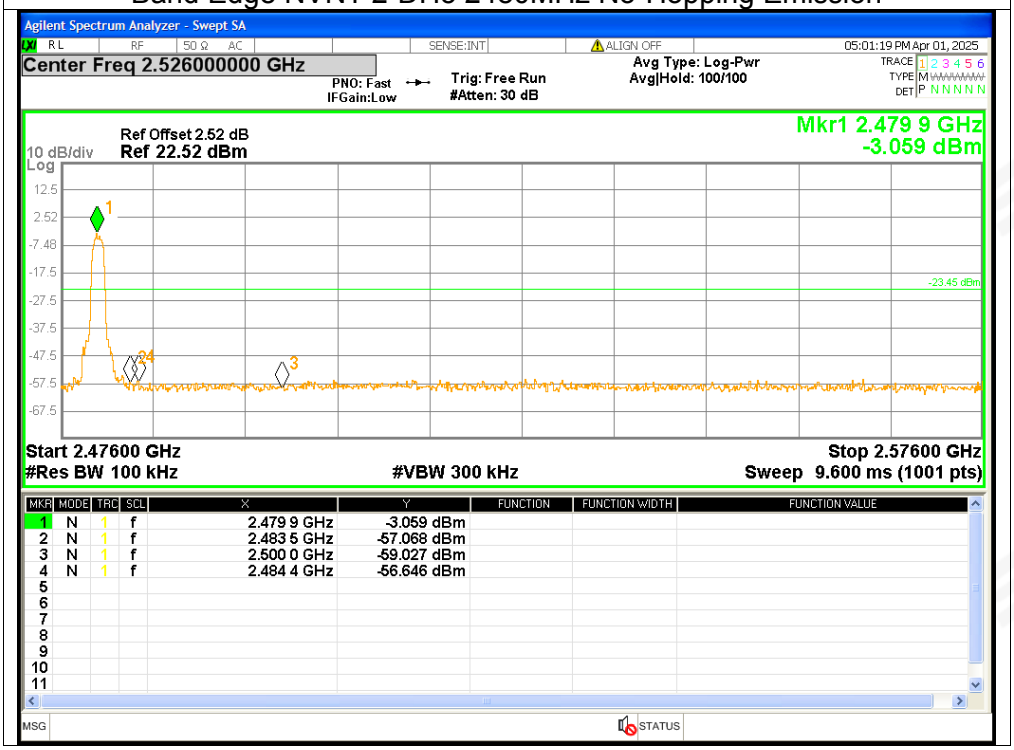
Band Edge NVNT 2-DH5 2402MHz No-Hopping Emission



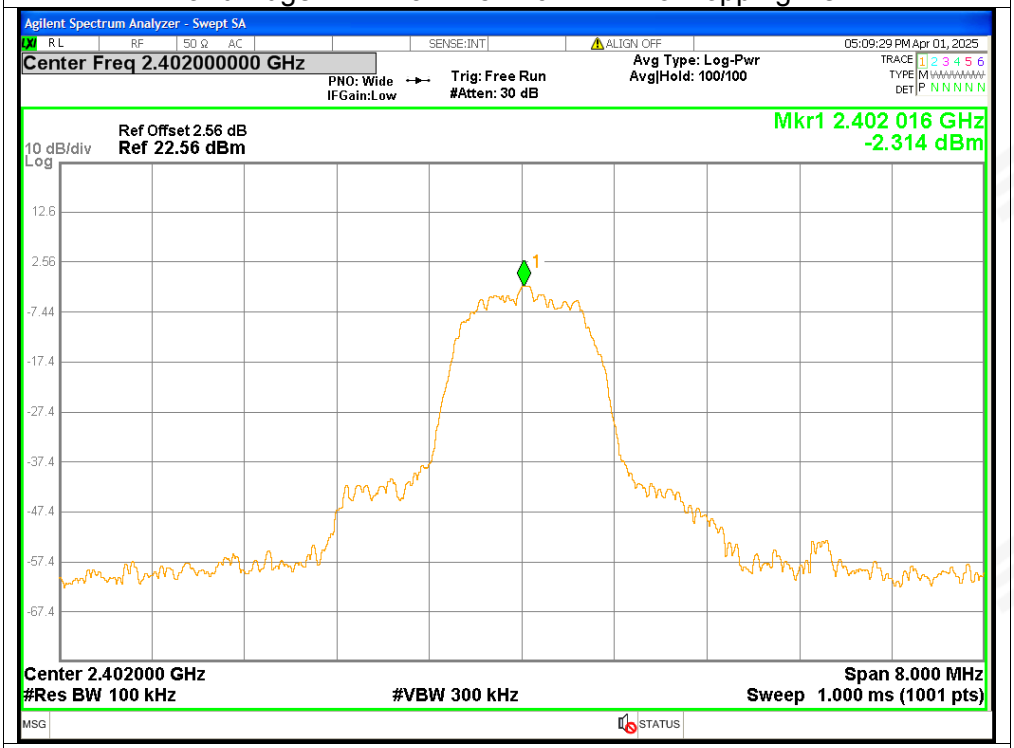
Band Edge NVNT 2-DH5 2480MHz No-Hopping Ref



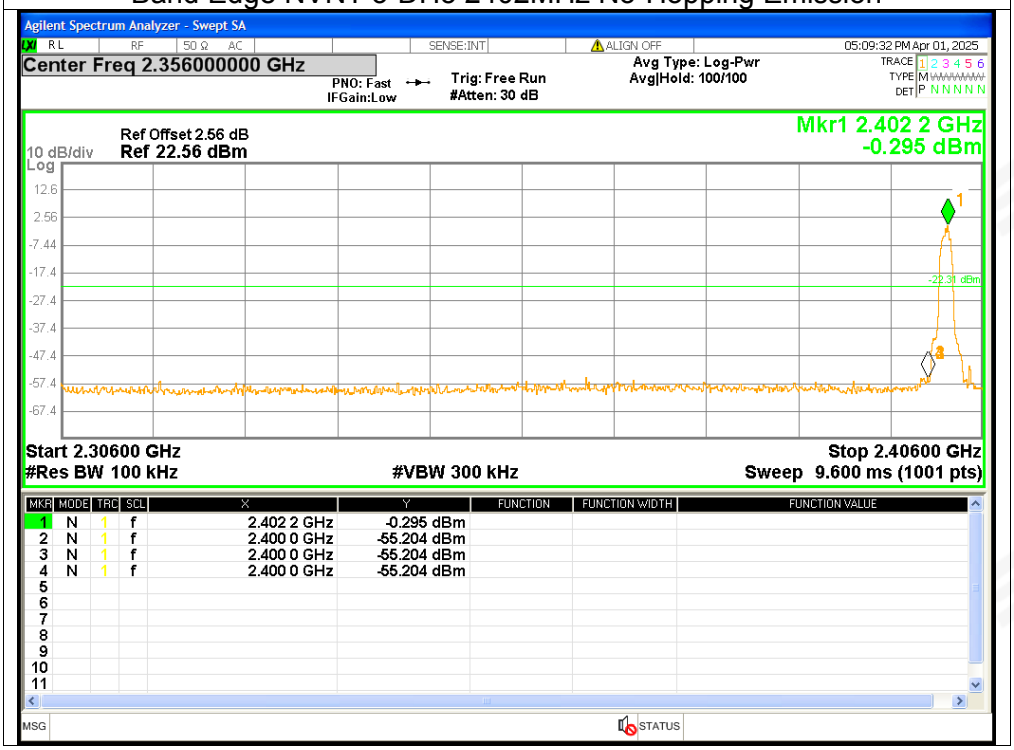
Band Edge NVNT 2-DH5 2480MHz No-Hopping Emission



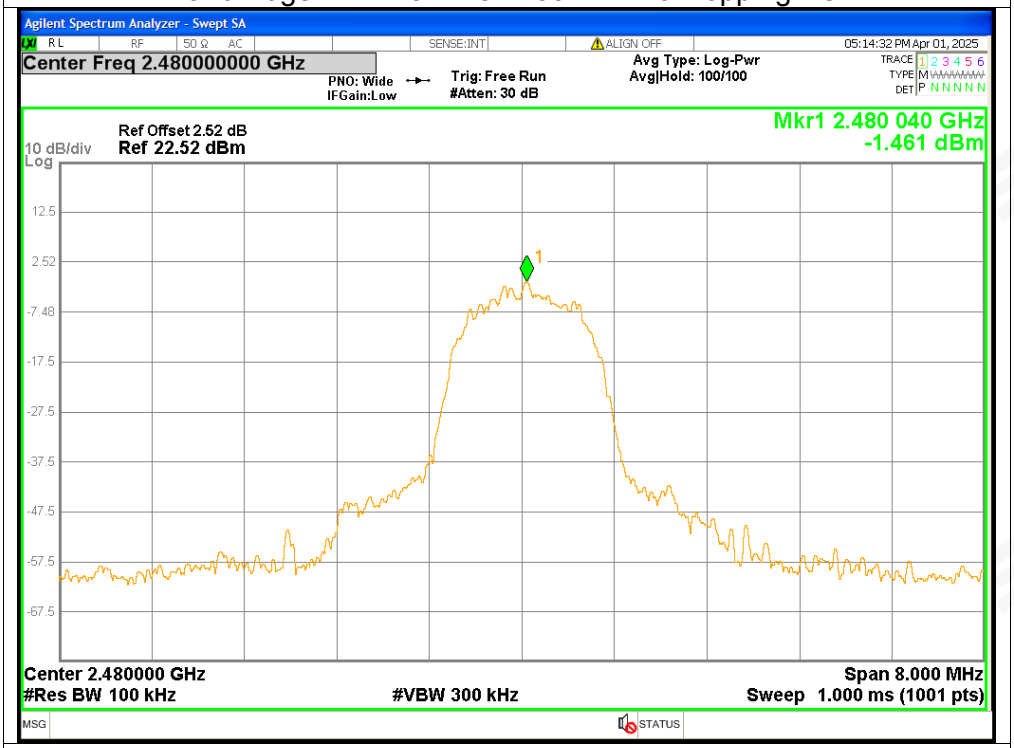
Band Edge NVNT 3-DH5 2402MHz No-Hopping Ref



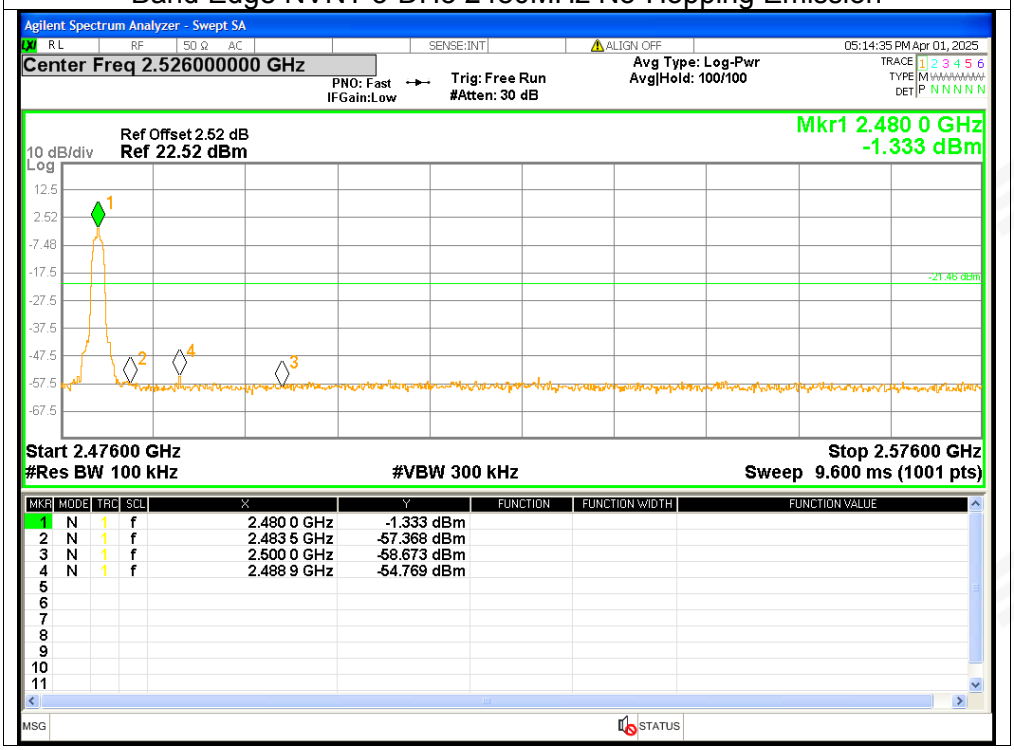
Band Edge NVNT 3-DH5 2402MHz No-Hopping Emission



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



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

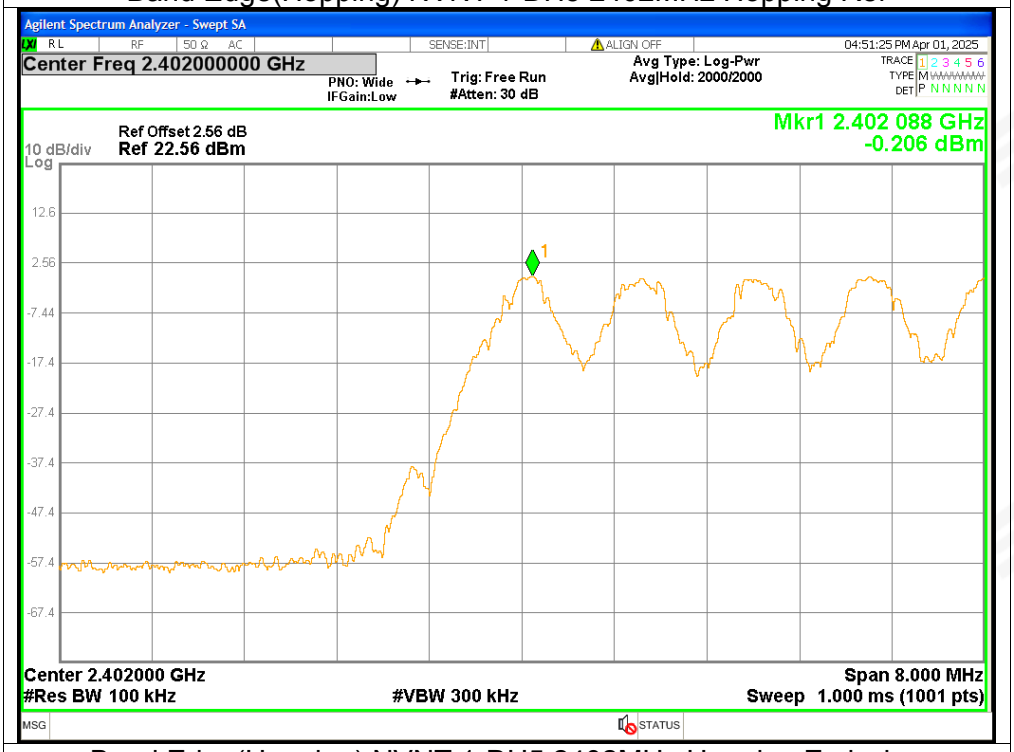


8. Band Edge(Hopping)

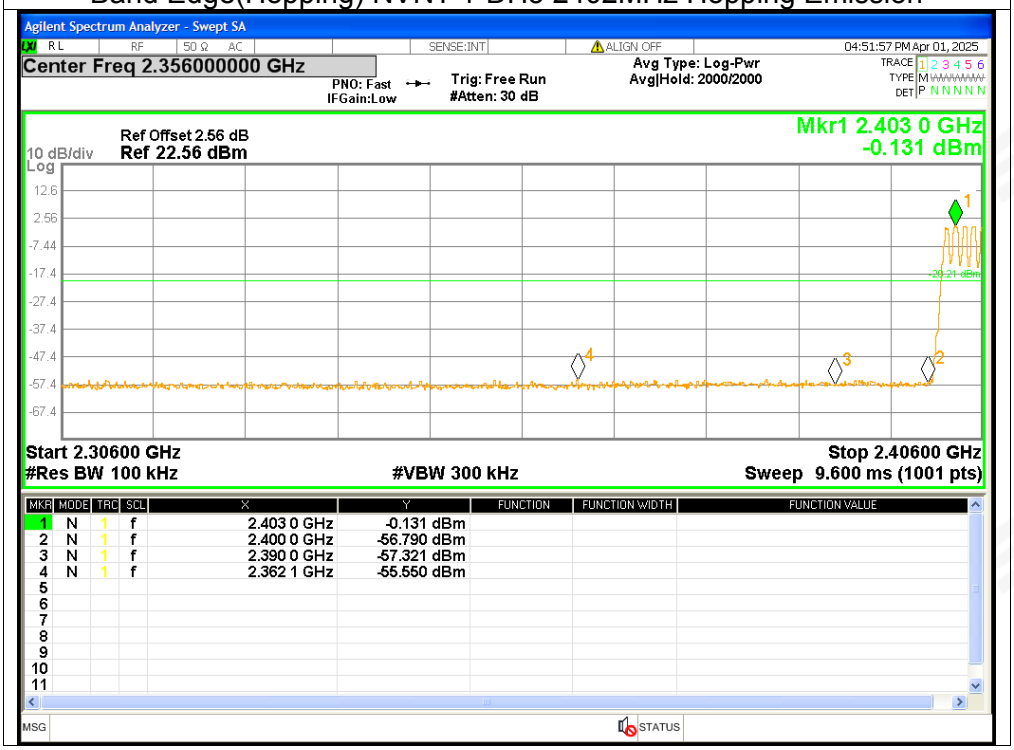
Condition	Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Hopping	-55.34	<=-20	Pass
NVNT	1-DH5	2480	Hopping	-54.02	<=-20	Pass
NVNT	2-DH5	2402	Hopping	-55.36	<=-20	Pass
NVNT	2-DH5	2480	Hopping	-53.9	<=-20	Pass
NVNT	3-DH5	2402	Hopping	-55.34	<=-20	Pass
NVNT	3-DH5	2480	Hopping	-52.97	<=-20	Pass

Test Graphs

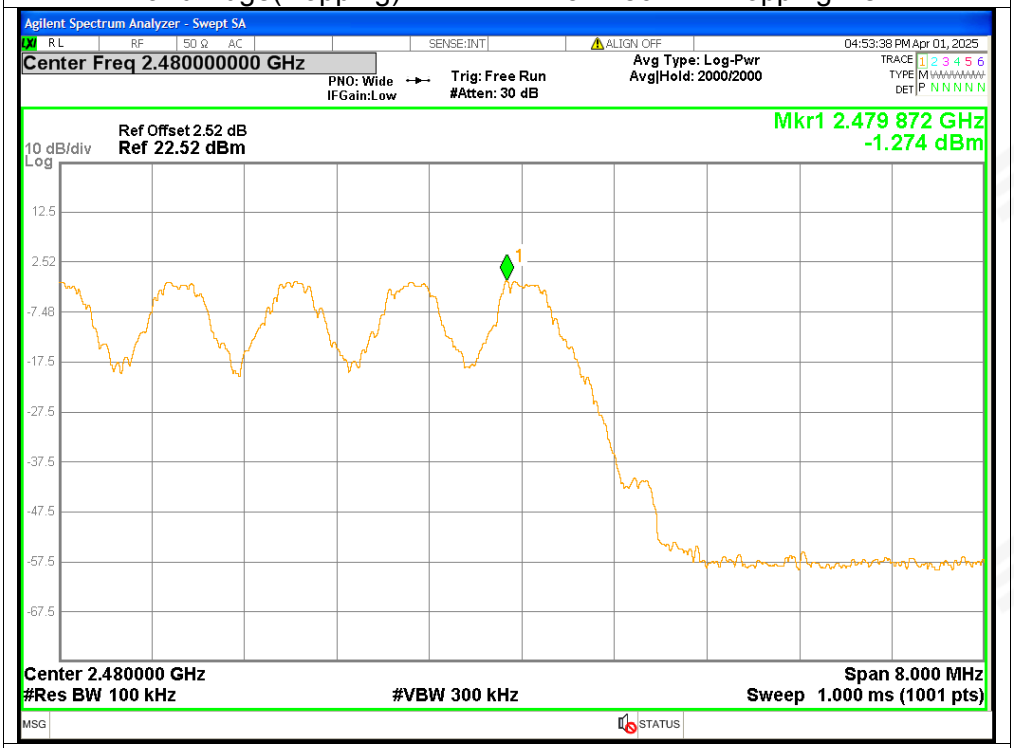
Band Edge(Hopping) NVNT 1-DH5 2402MHz Hopping Ref



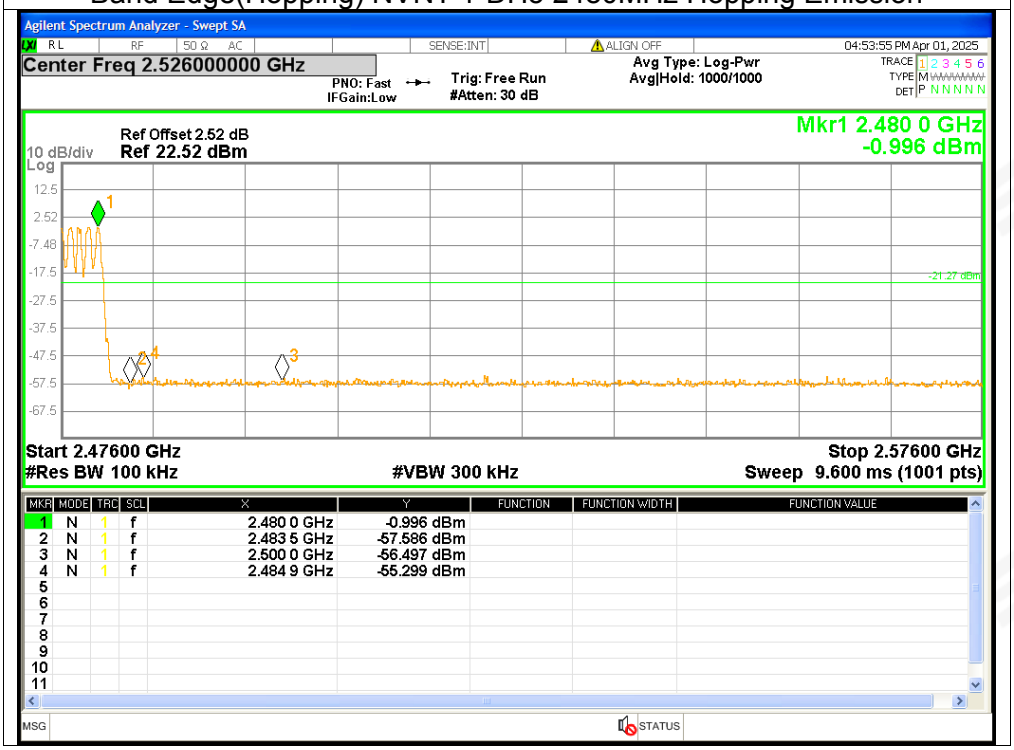
Band Edge(Hopping) NVNT 1-DH5 2402MHz Hopping Emission



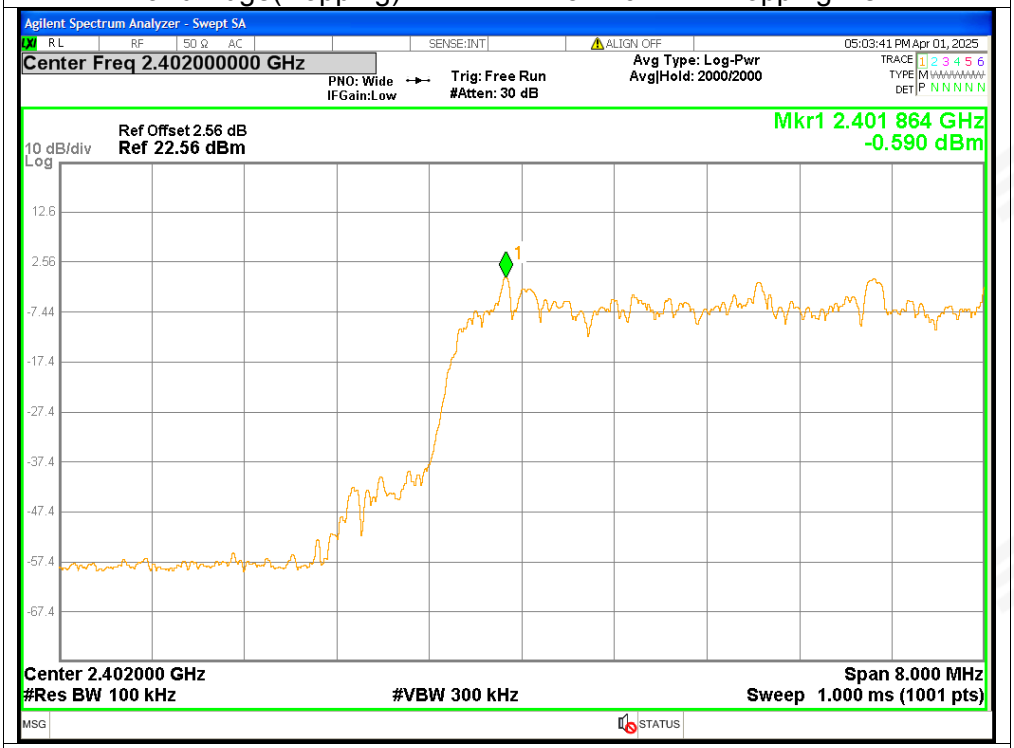
Band Edge(Hopping) NVNT 1-DH5 2480MHz Hopping Ref



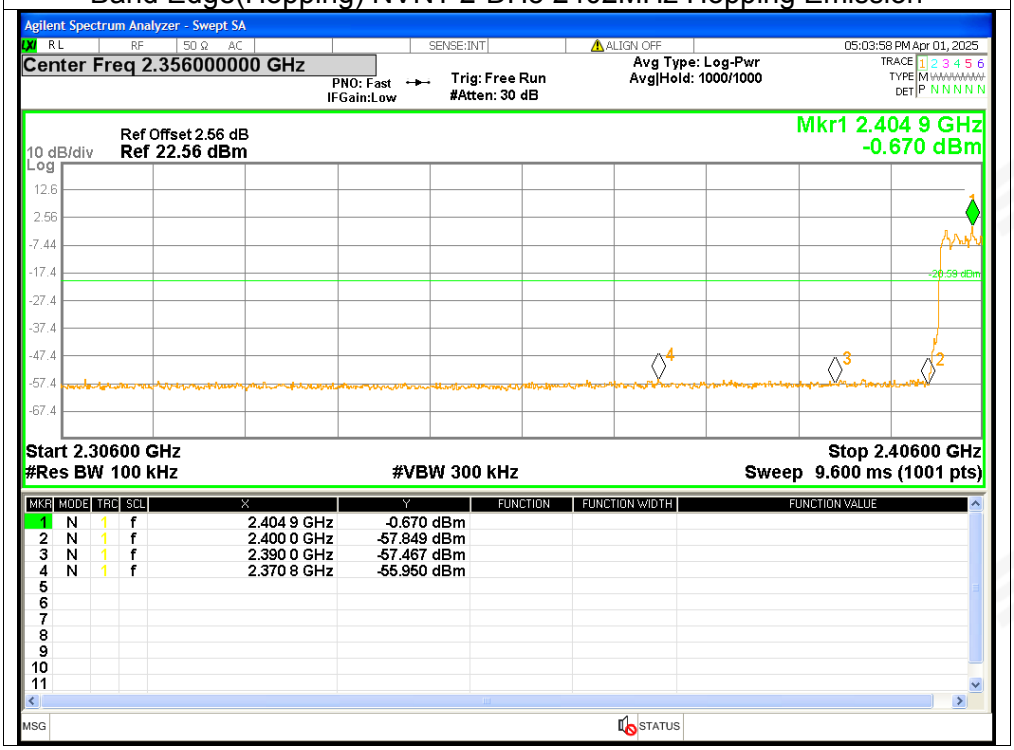
Band Edge(Hopping) NVNT 1-DH5 2480MHz Hopping Emission



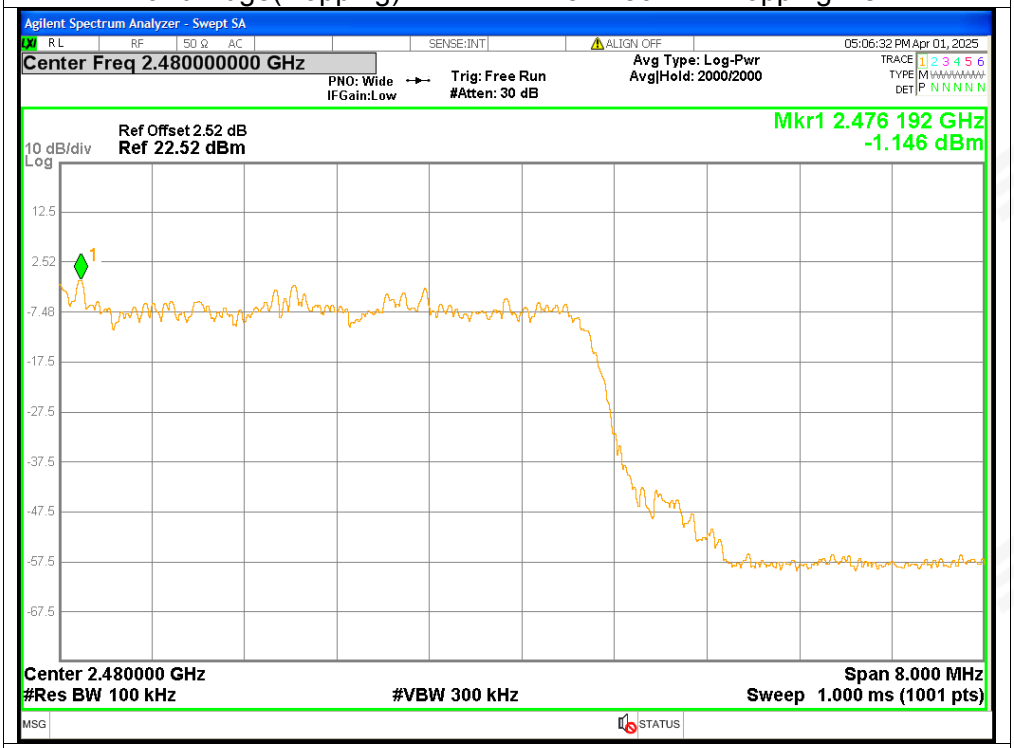
Band Edge(Hopping) NVNT 2-DH5 2402MHz Hopping Ref



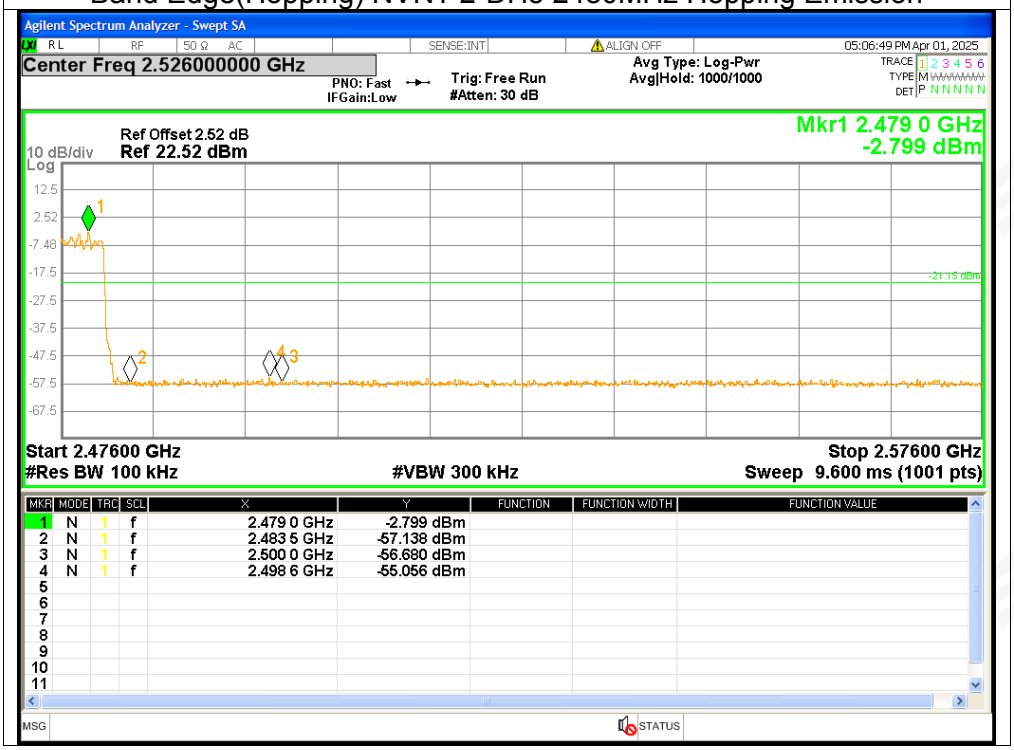
Band Edge(Hopping) NVNT 2-DH5 2402MHz Hopping Emission



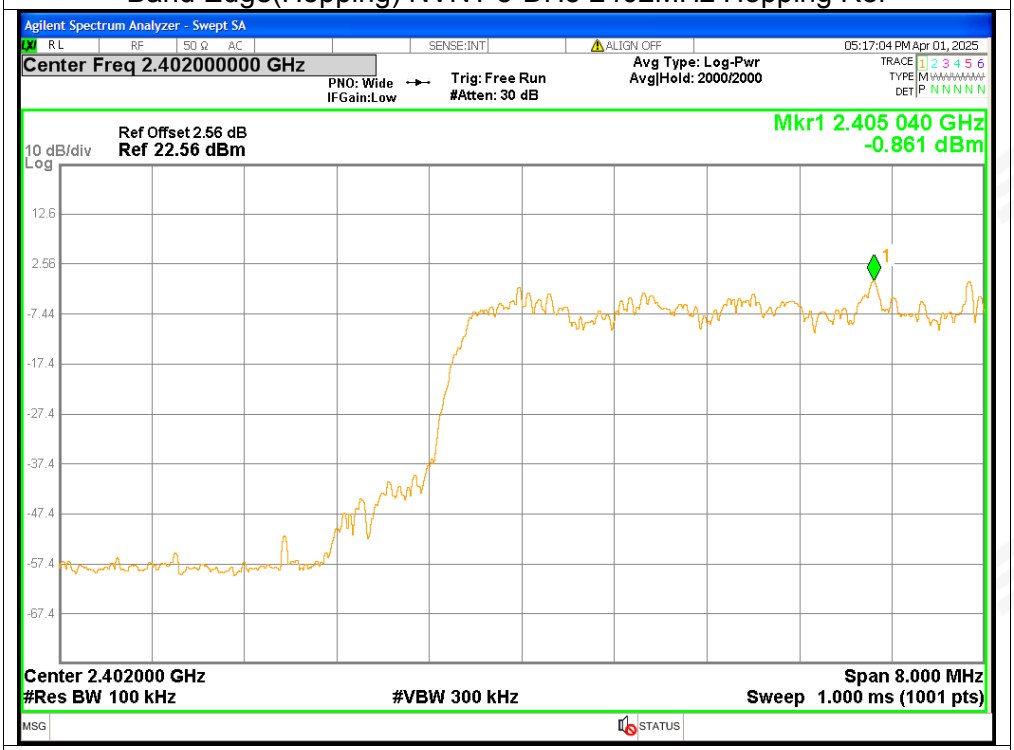
Band Edge(Hopping) NVNT 2-DH5 2480MHz Hopping Ref



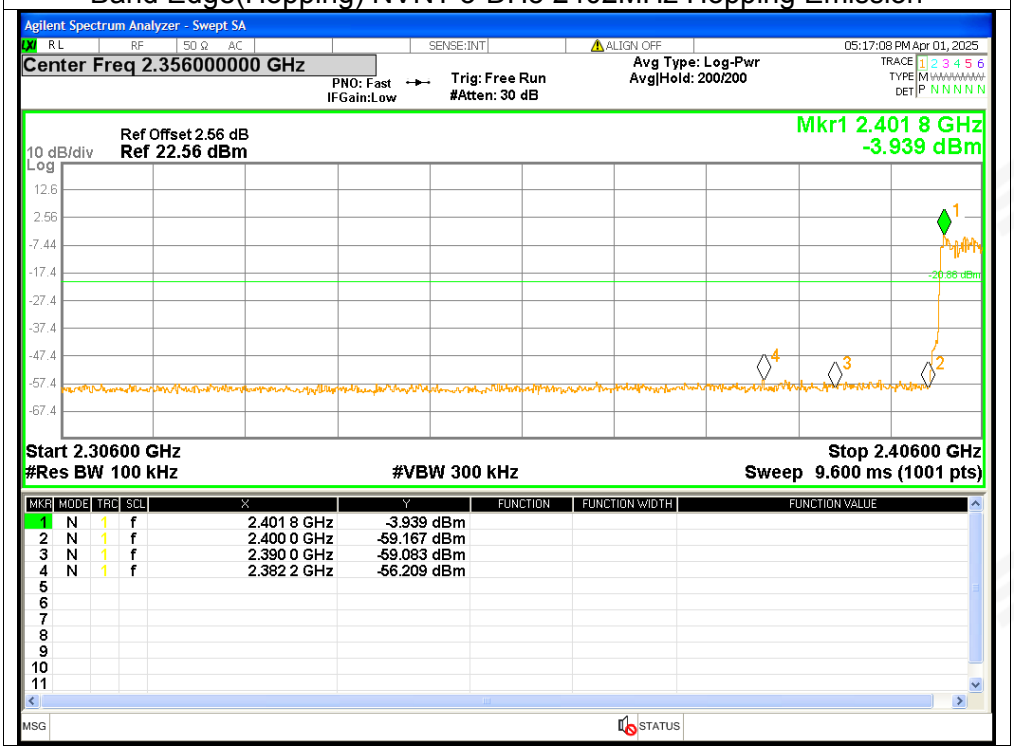
Band Edge(Hopping) NVNT 2-DH5 2480MHz Hopping Emission



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

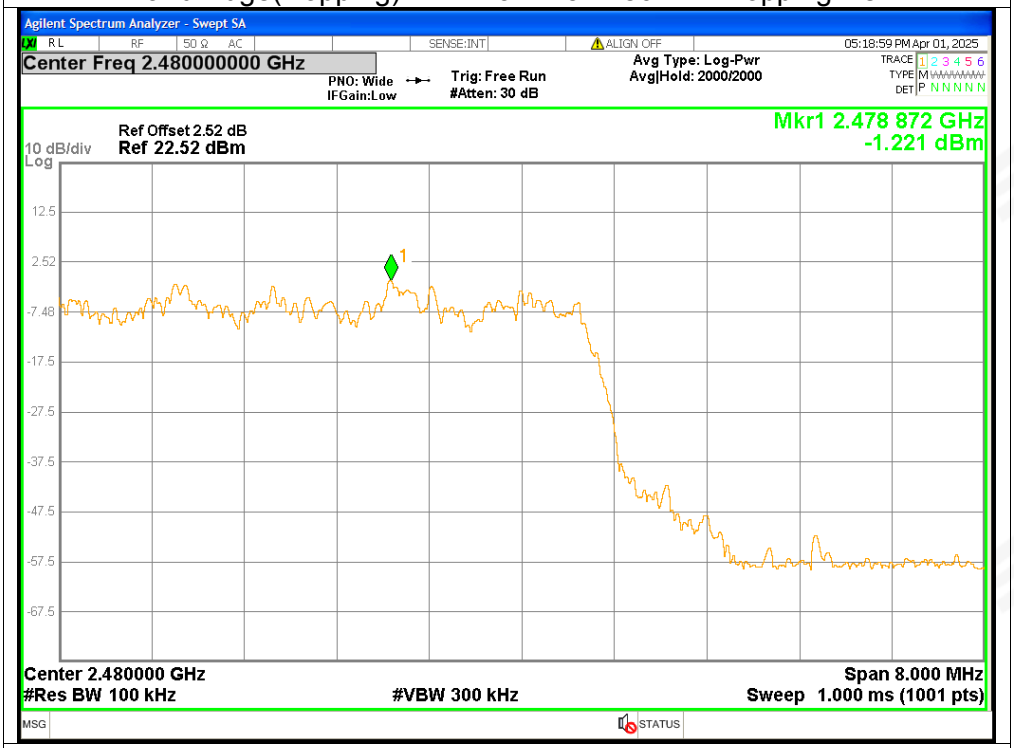


Band Edge(Hopping) NVNT 3-DH5 2402MHz Hopping Emission

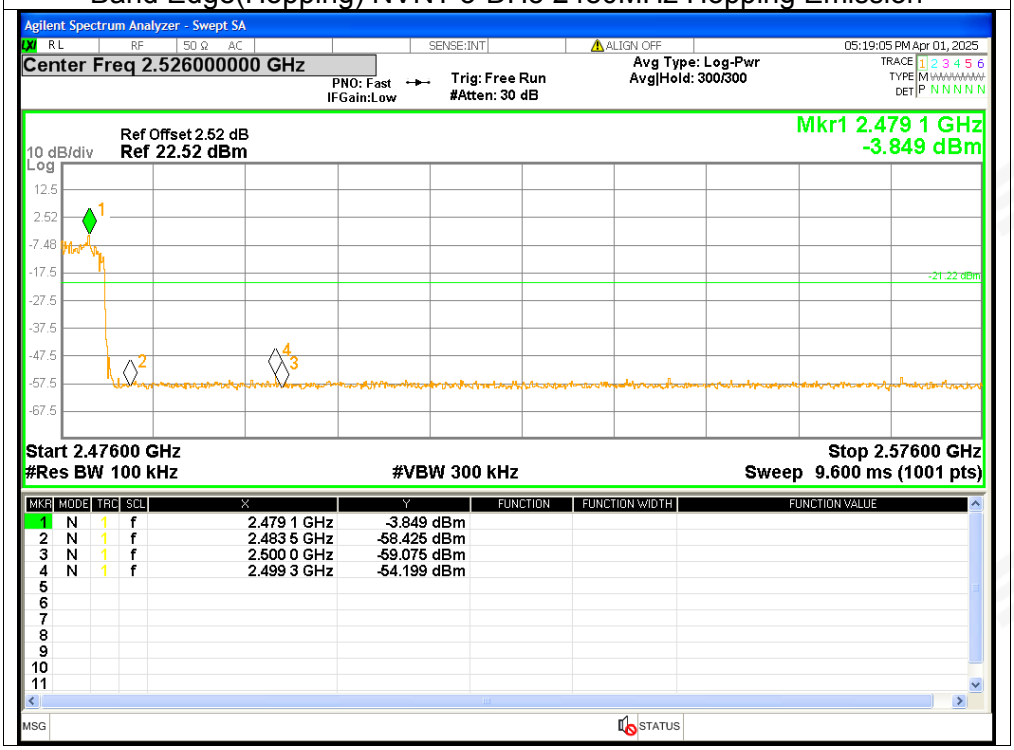


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.401 8 GHz	-3.939 dBm			
2	N	1	f	2.400 0 GHz	-59.167 dBm			
3	N	1	f	2.390 0 GHz	-59.083 dBm			
4	N	1	f	2.382 2 GHz	-56.209 dBm			
5								
6								
7								
8								
9								
10								
11								

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



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

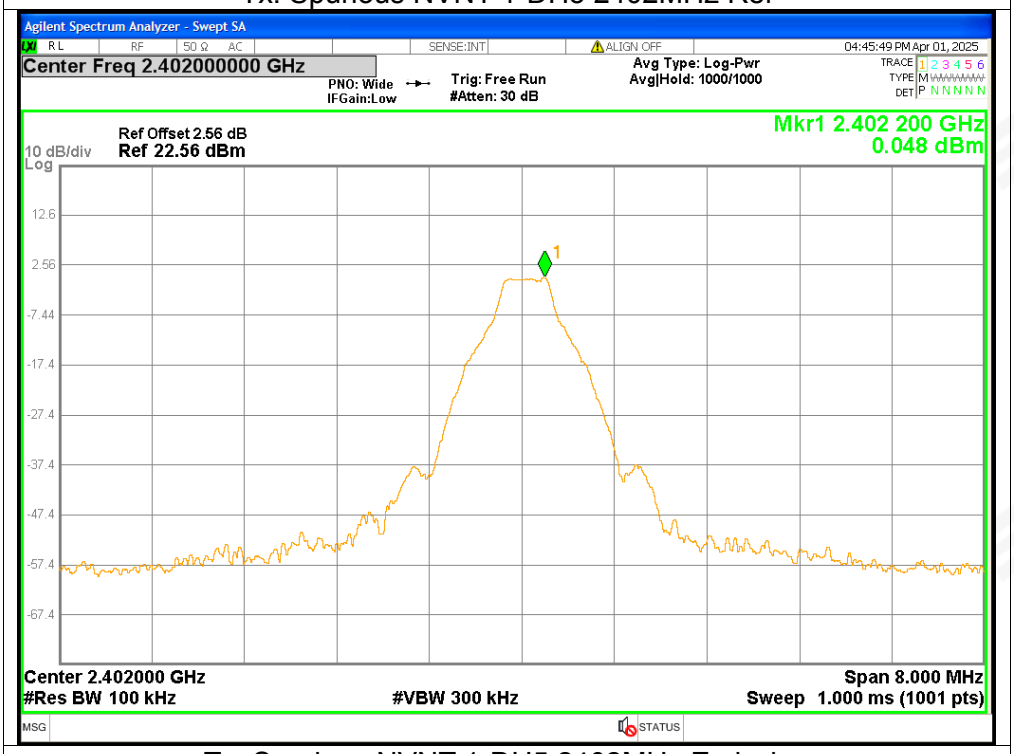


9. Conducted RF Spurious Emission

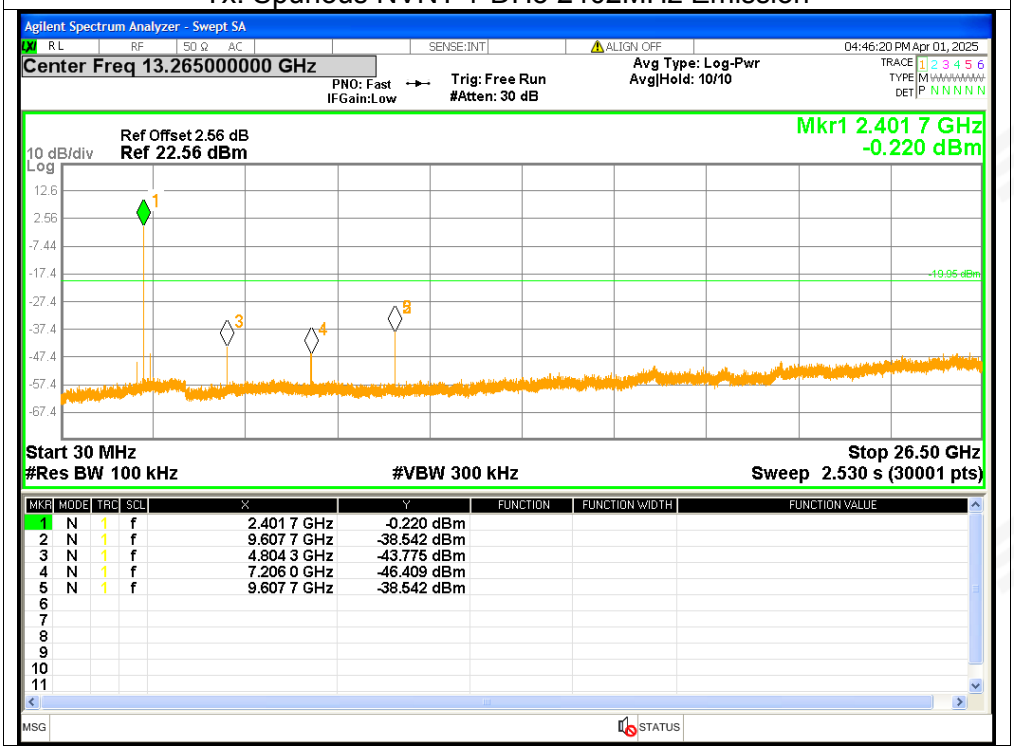
Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	-38.59	<=-20	Pass
NVNT	1-DH5	2441	-40.51	<=-20	Pass
NVNT	1-DH5	2480	-40.17	<=-20	Pass
NVNT	2-DH5	2402	-42.42	<=-20	Pass
NVNT	2-DH5	2441	-42.41	<=-20	Pass
NVNT	2-DH5	2480	-43.1	<=-20	Pass
NVNT	3-DH5	2402	-42.21	<=-20	Pass
NVNT	3-DH5	2441	-43.68	<=-20	Pass
NVNT	3-DH5	2480	-43.05	<=-20	Pass

Test Graphs

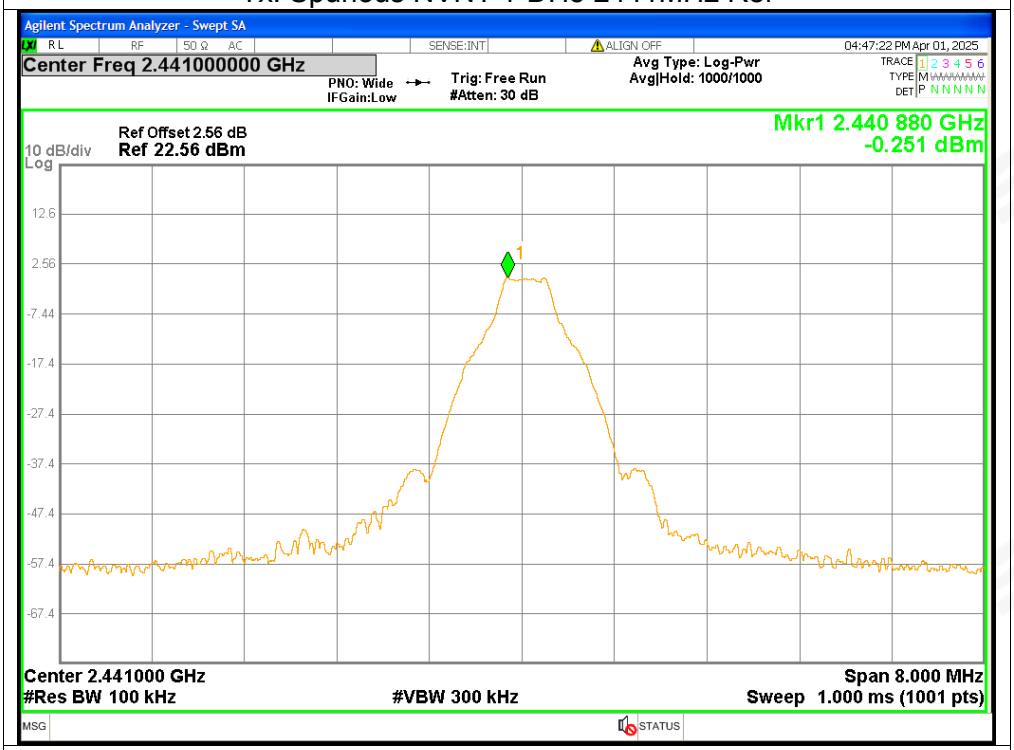
Tx. Spurious NVNT 1-DH5 2402MHz Ref



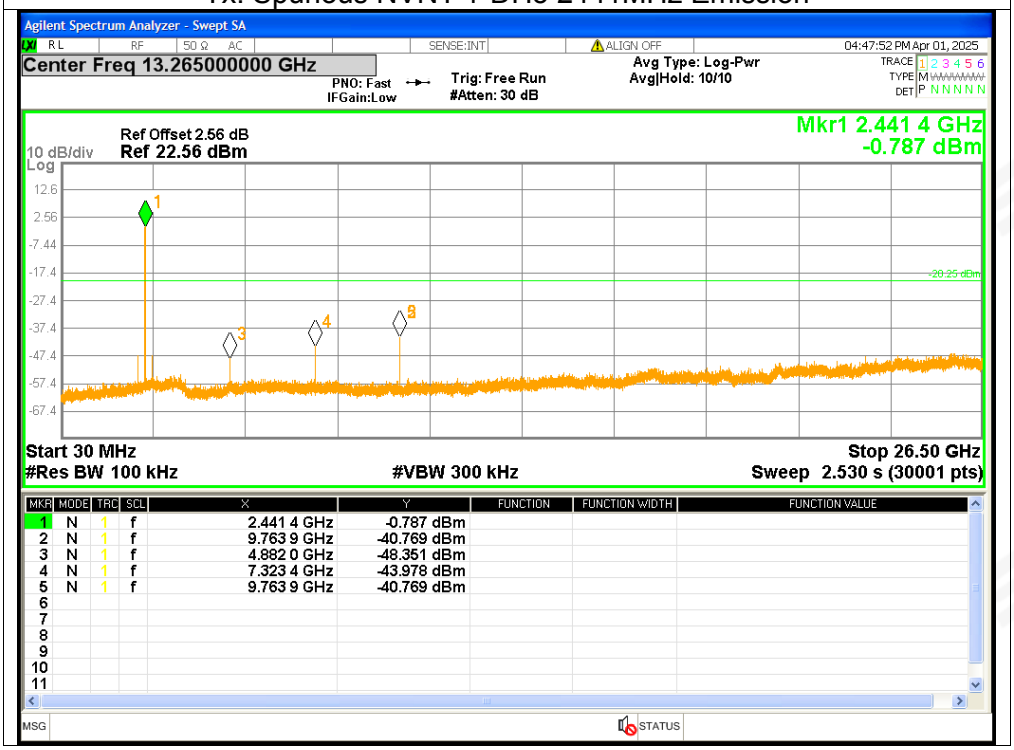
Tx. Spurious NVNT 1-DH5 2402MHz Emission



Tx. Spurious NVNT 1-DH5 2441MHz Ref

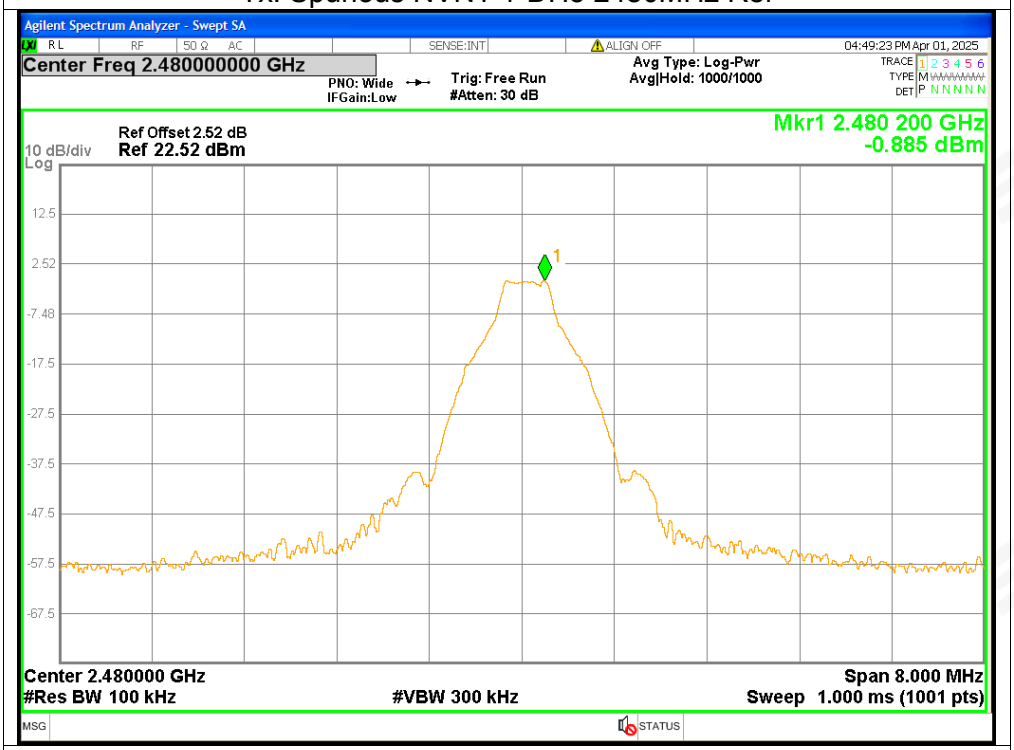


Tx. Spurious NVNT 1-DH5 2441MHz Emission

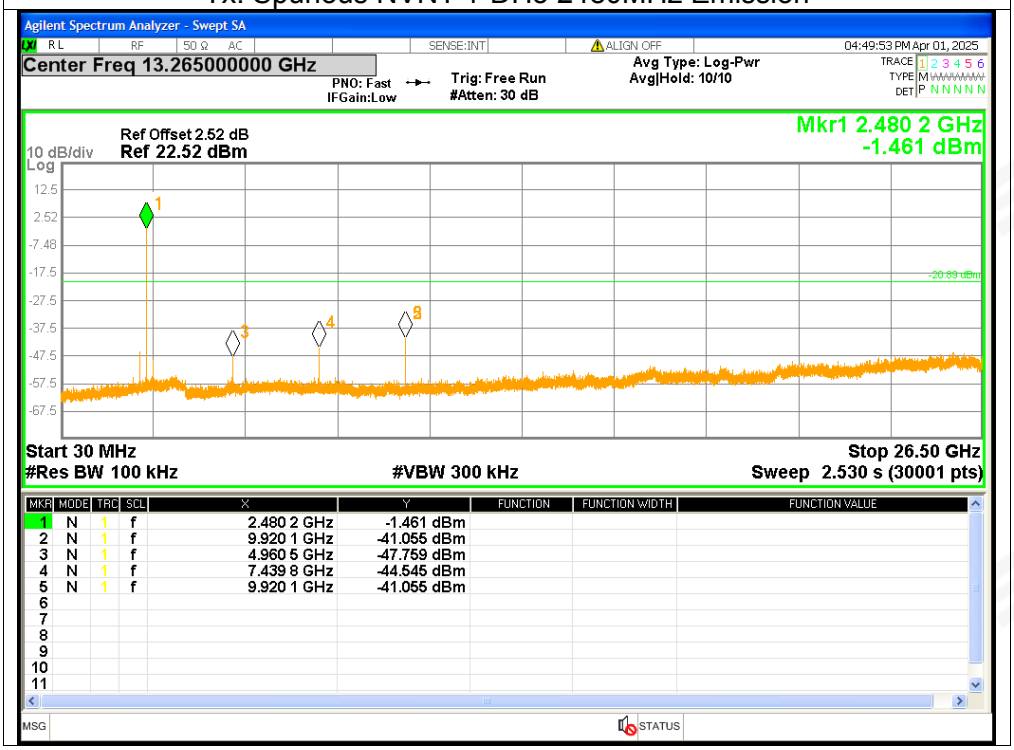


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.441 4 GHz	-0.787 dBm			
2	N	1	f	9.763 9 GHz	-40.769 dBm			
3	N	1	f	4.882 0 GHz	-48.351 dBm			
4	N	1	f	7.323 4 GHz	-43.978 dBm			
5	N	1	f	9.763 9 GHz	-40.769 dBm			
6								
7								
8								
9								
10								
11								

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	-1.461 dBm			
2	N	1	f	9.920 1 GHz	-41.055 dBm			
3	N	1	f	4.960 5 GHz	-47.759 dBm			
4	N	1	f	7.439 8 GHz	-44.545 dBm			
5	N	1	f	9.920 1 GHz	-41.055 dBm			
6								
7								
8								
9								
10								
11								