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FCC ID EDR
FCC_BT(Part15.247) Test Data
FCC ID:2AC5R-SC-1425WSW

1.Dwell Time

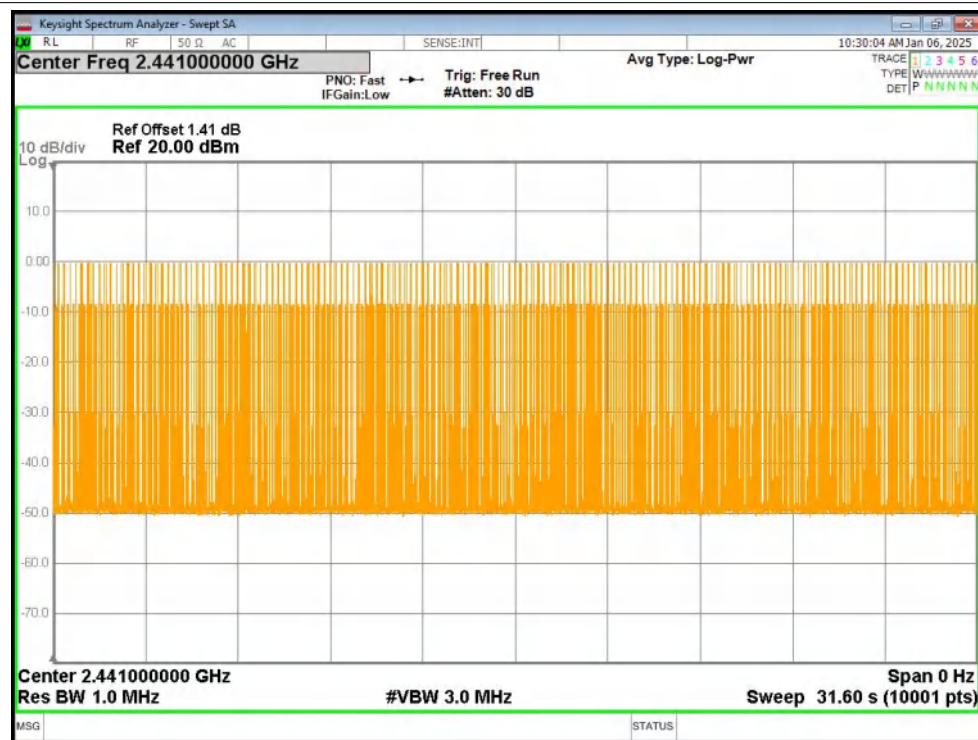
Mode	Frequency (MHz)	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
1-DH1	2441	0.389	123.313	317	31600	400	Pass
1-DH3	2441	1.645	266.49	162	31600	400	Pass
1-DH5	2441	2.881	299.624	104	31600	400	Pass
2-DH1	2441	0.398	125.768	316	31600	400	Pass
2-DH3	2441	1.646	243.608	148	31600	400	Pass
2-DH5	2441	2.894	344.386	119	31600	400	Pass
3-DH1	2441	0.396	126.324	319	31600	400	Pass
3-DH3	2441	1.644	264.684	161	31600	400	Pass
3-DH5	2441	2.897	298.391	103	31600	400	Pass

Test Graphs

Dwell NVNT 1-DH1 2441MHz Ant1 One Burst



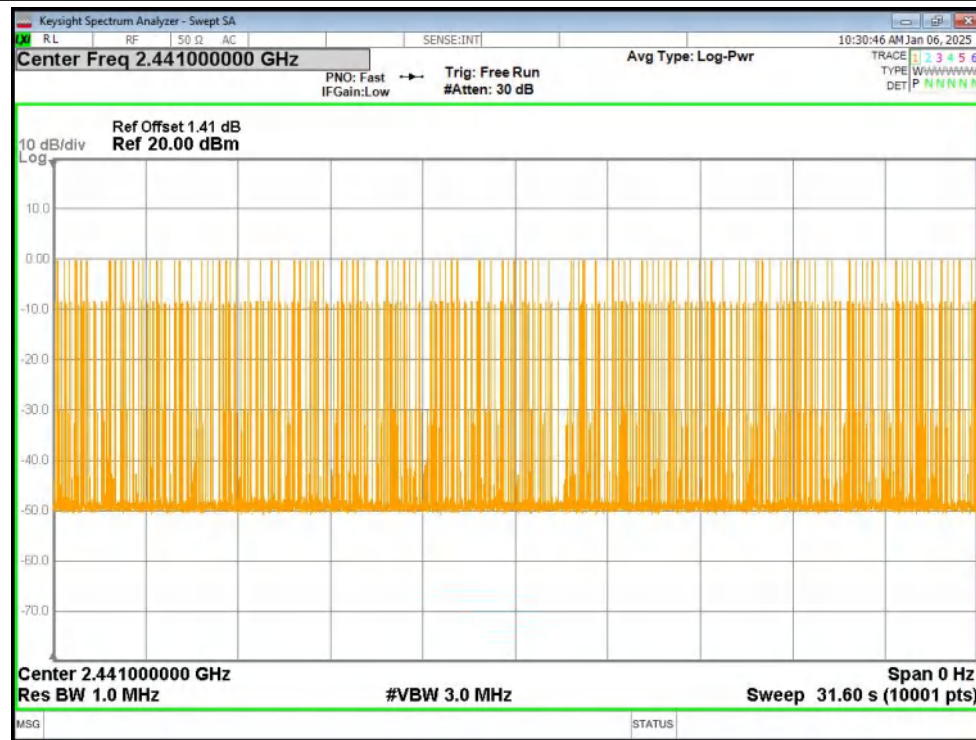
Dwell NVNT 1-DH1 2441MHz Ant1 Accumulated



Dwell NVNT 1-DH3 2441MHz Ant1 One Burst



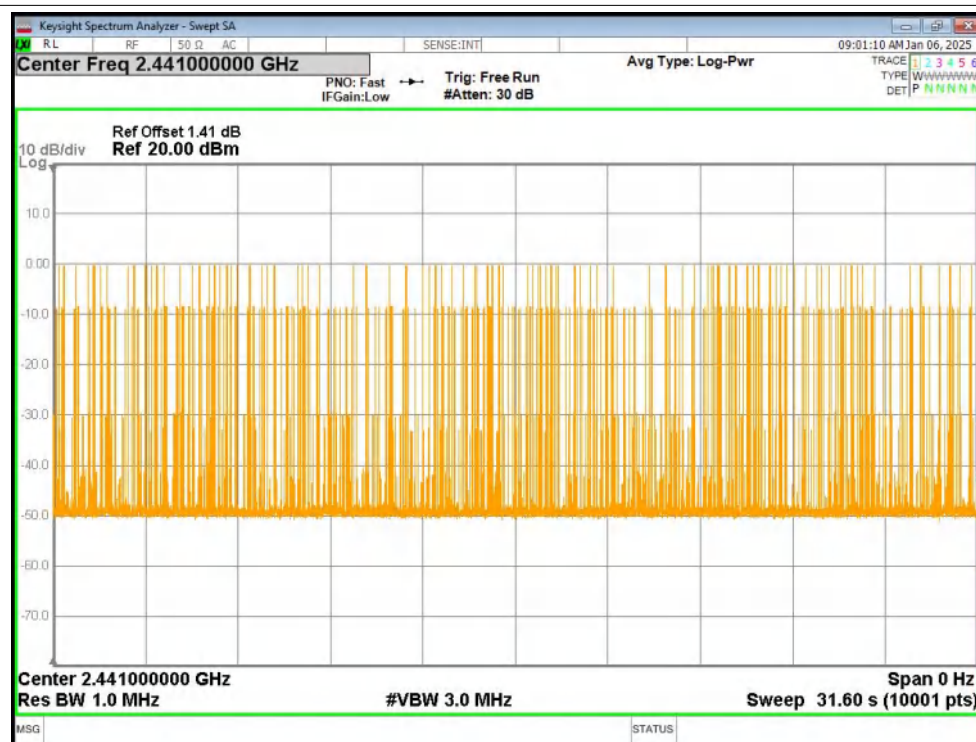
Dwell NVNT 1-DH3 2441MHz Ant1 Accumulated



Dwell NVNT 1-DH5 2441MHz Ant1 One Burst



Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated



Keysight Spectrum Analyzer - Swept SA

Center Freq 2.441000000 GHz
PNO: Fast IFGain: Low
Trig Delay: 500.0 μs
Trig: Video
#Atten: 30 dB
Avg Type: Log-Pwr

Ref Offset 1.41 dB
Ref 20.00 dBm

ΔMkr1 398.0 μs
0.79 dB

Span 0 Hz
Res BW 1.0 Mhz
Sweep 10.00 ms (10001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ2	t	(Δ)	398.0 μs	(Δ) 0.79 dB			
2	F	t		497.0 μs	-7.79 dBm			

Keysight Spectrum Analyzer - Swept SA

Center Freq 2.441000000 GHz

Ref Offset 1.41 dB
Ref 20.00 dBm

10 dB/div
Log

Center 2.441000000 GHz
Res BW 1.0 MHz
#VBW 3.0 MHz

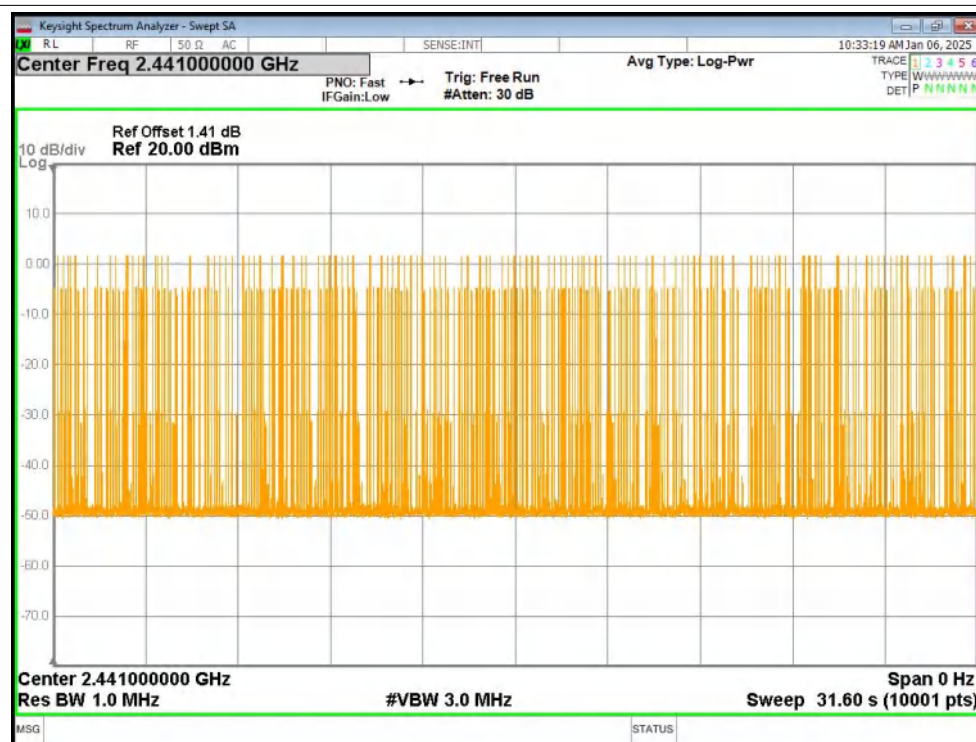
Span 0 Hz
Sweep 31.60 s (10001 pts)

MSG STATUS

Dwell NVNT 2-DH3 2441MHz Ant1 One Burst



Dwell NVNT 2-DH3 2441MHz Ant1 Accumulated



[illegible]

Keysight Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT 09:41:19 AM Jan 06, 2025

Center Freq 2.441000000 GHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr

TRACE 1 2 3 4 5 6
TYPE W W W W W W W W
DET P N N N N N N

Ref Offset 1.41 dB
Ref 20.00 dBm

10 dB/div
Log

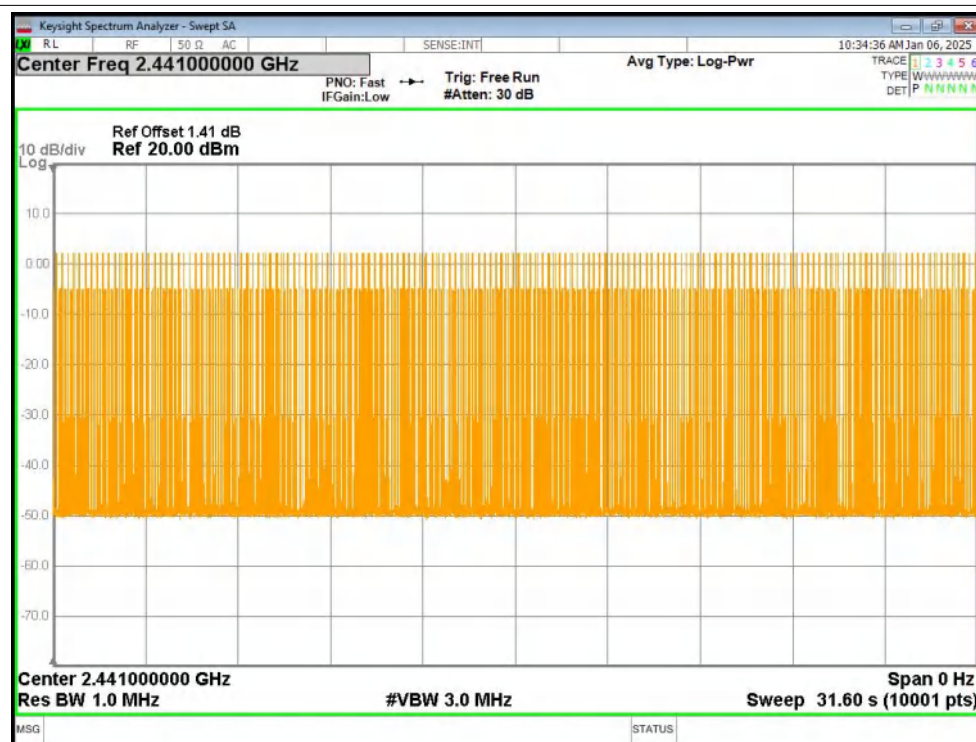
Center 2.441000000 GHz
Res BW 1.0 MHz
#VBW 3.0 MHz
Span 0 Hz
Sweep 31.60 s (10001 pts)

MSG STATUS

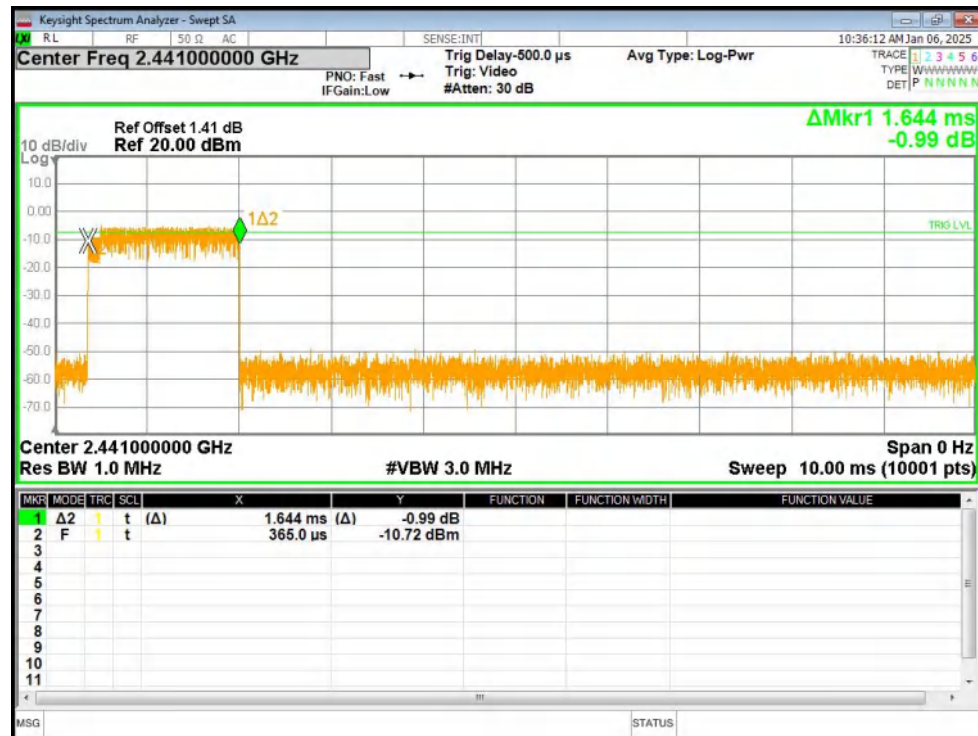
Dwell NVNT 3-DH1 2441MHz Ant1 One Burst



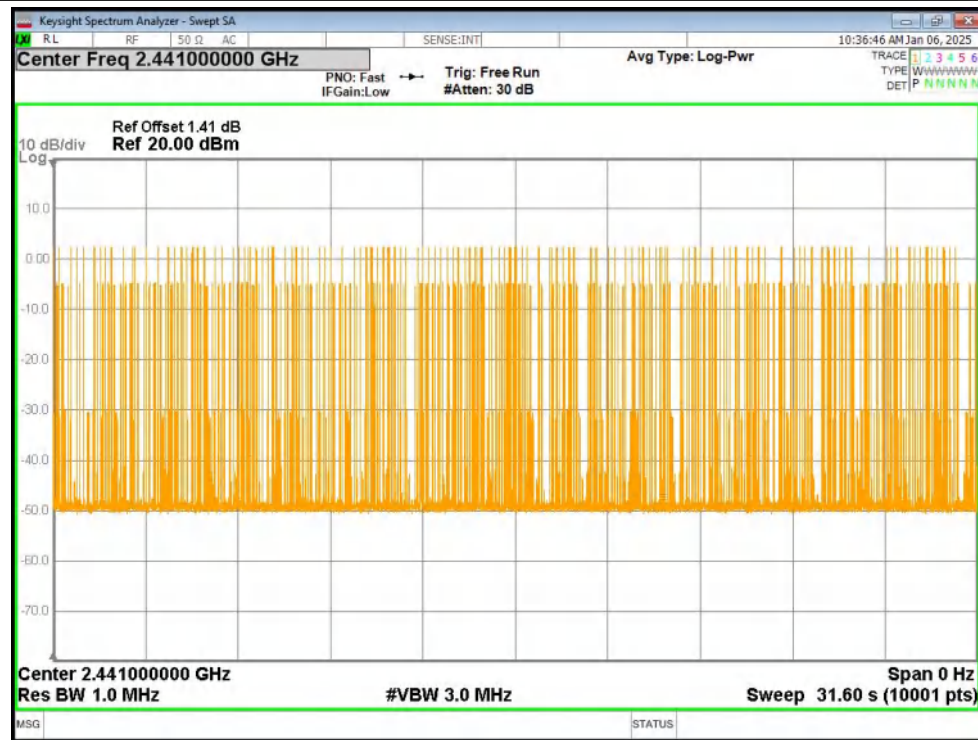
Dwell NVNT 3-DH1 2441MHz Ant1 Accumulated



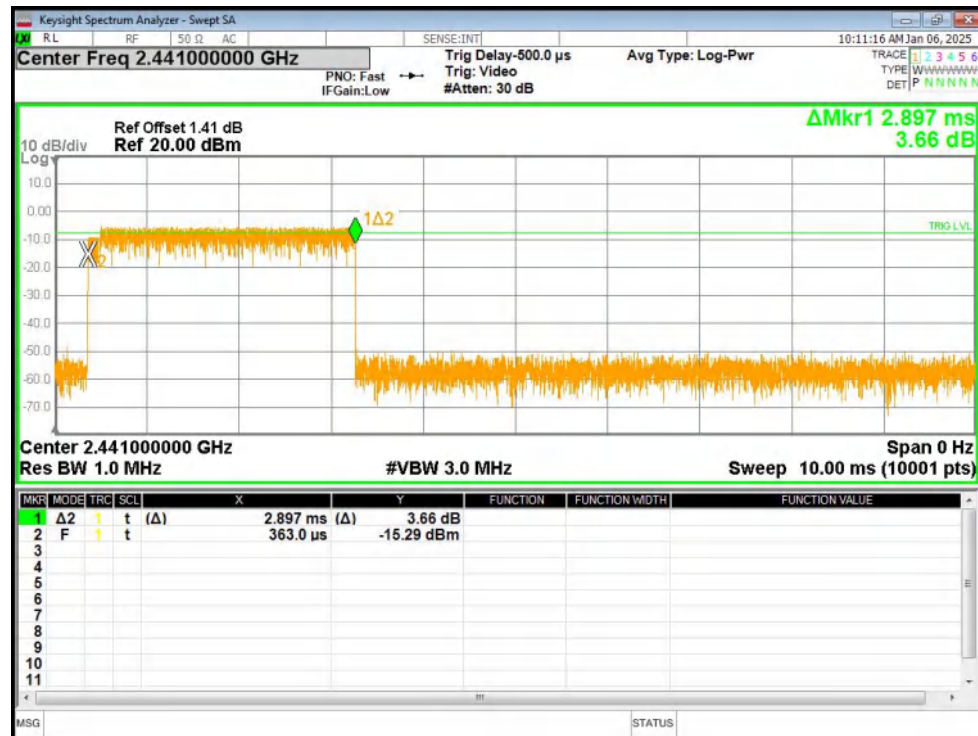
Dwell NVNT 3-DH3 2441MHz Ant1 One Burst



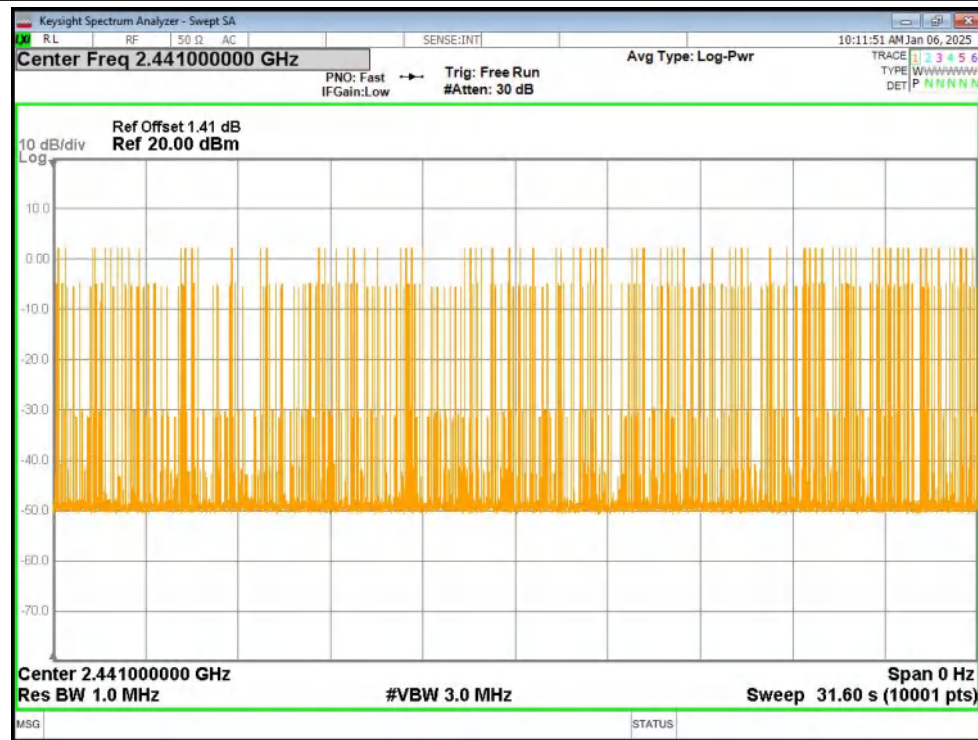
Dwell NVNT 3-DH3 2441MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2441MHz Ant1 One Burst



Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated

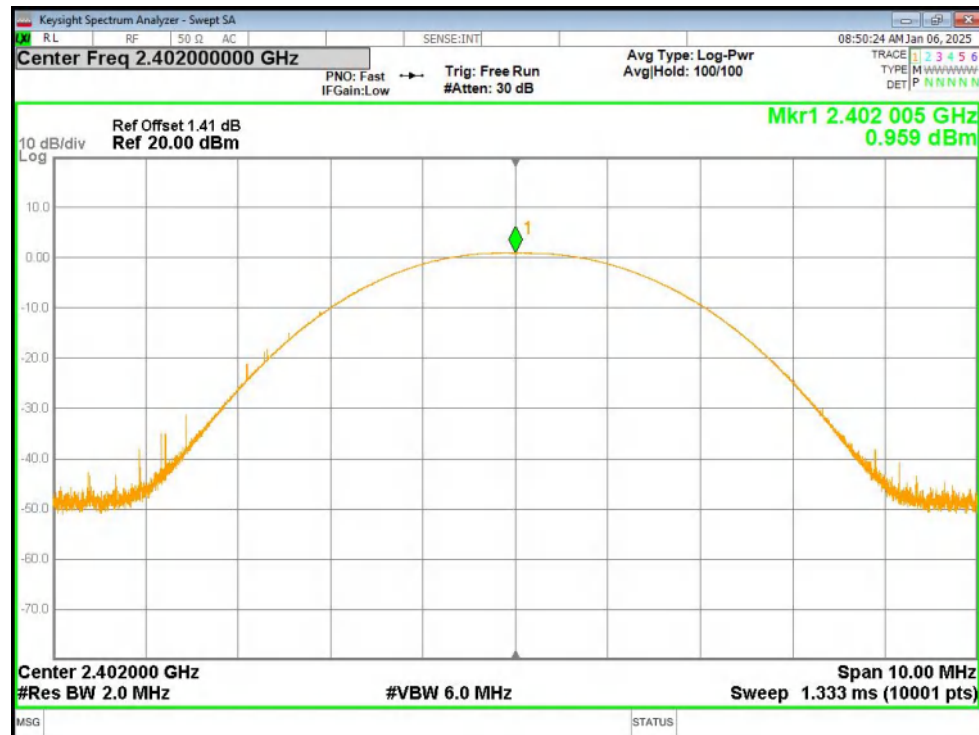


2.Maximum Peak Conducted Output Power

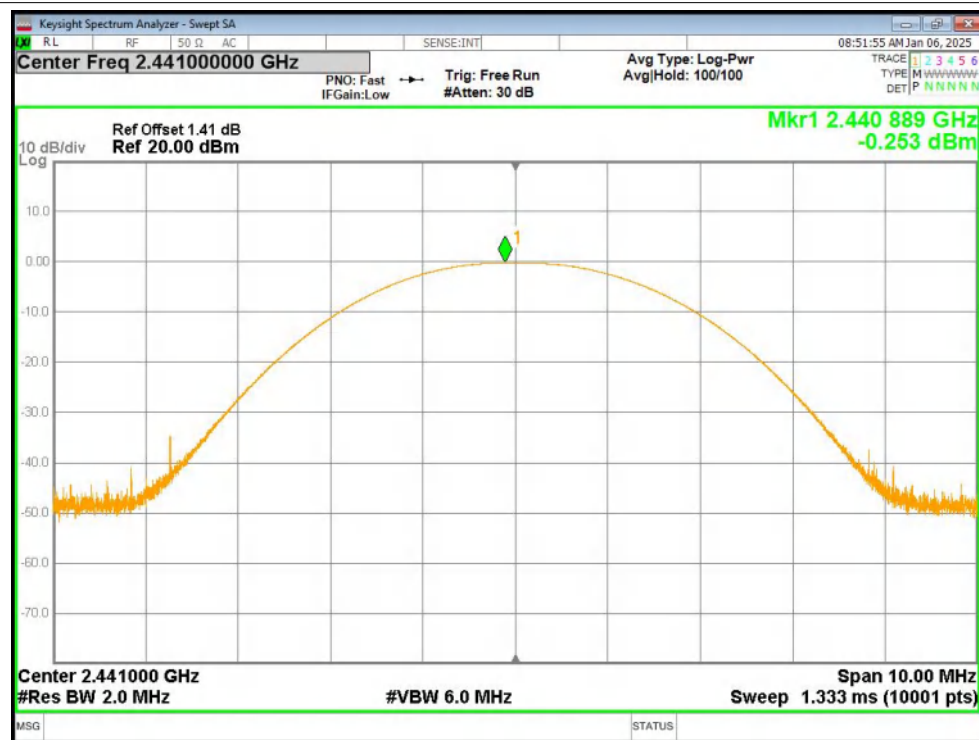
Mode	Frequency (MHz)	Total Power (dBm)	Limit (dBm)	Verdict
1-DH5	2402	0.96	21	Pass
1-DH5	2441	-0.25	21	Pass
1-DH5	2480	-2.03	21	Pass
2-DH5	2402	3.28	21	Pass
2-DH5	2441	2.03	21	Pass
2-DH5	2480	0.23	21	Pass
3-DH5	2402	3.79	21	Pass
3-DH5	2441	2.58	21	Pass
3-DH5	2480	0.74	21	Pass

Test Graphs

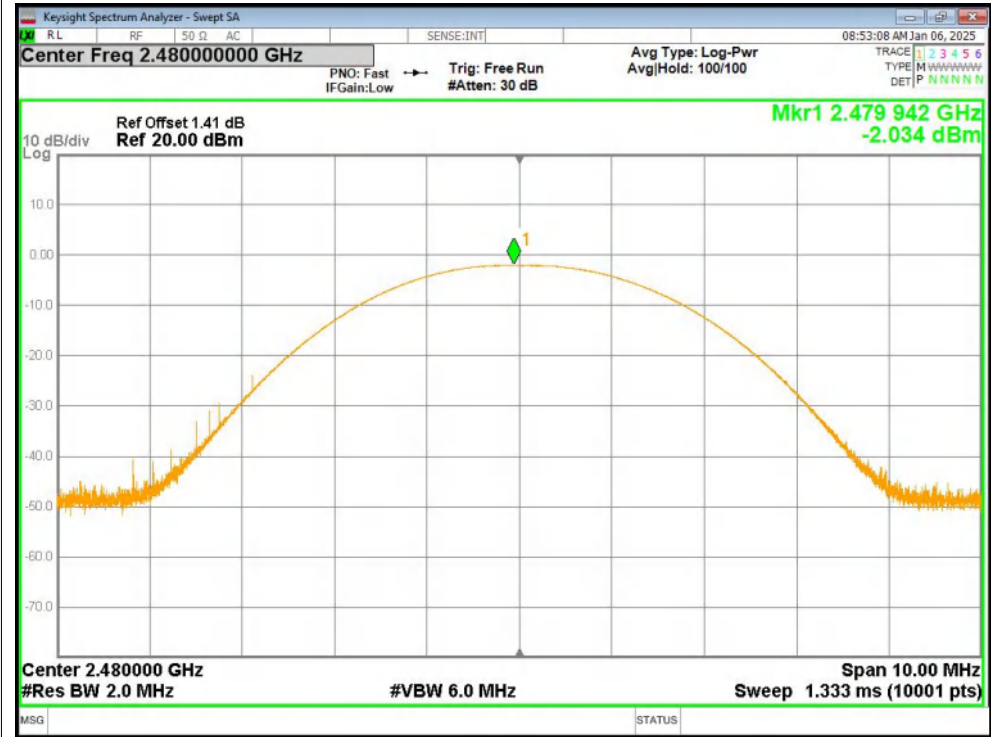
Peak Power NVNT 1-DH5 2402MHz Ant1



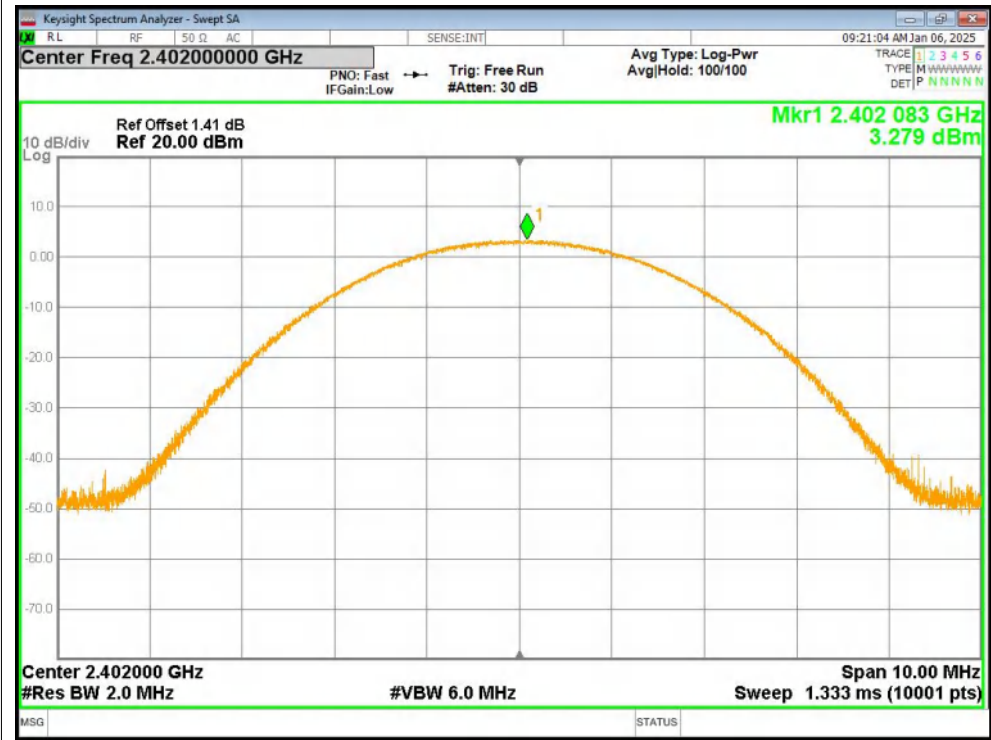
Peak Power NVNT 1-DH5 2441MHz Ant1



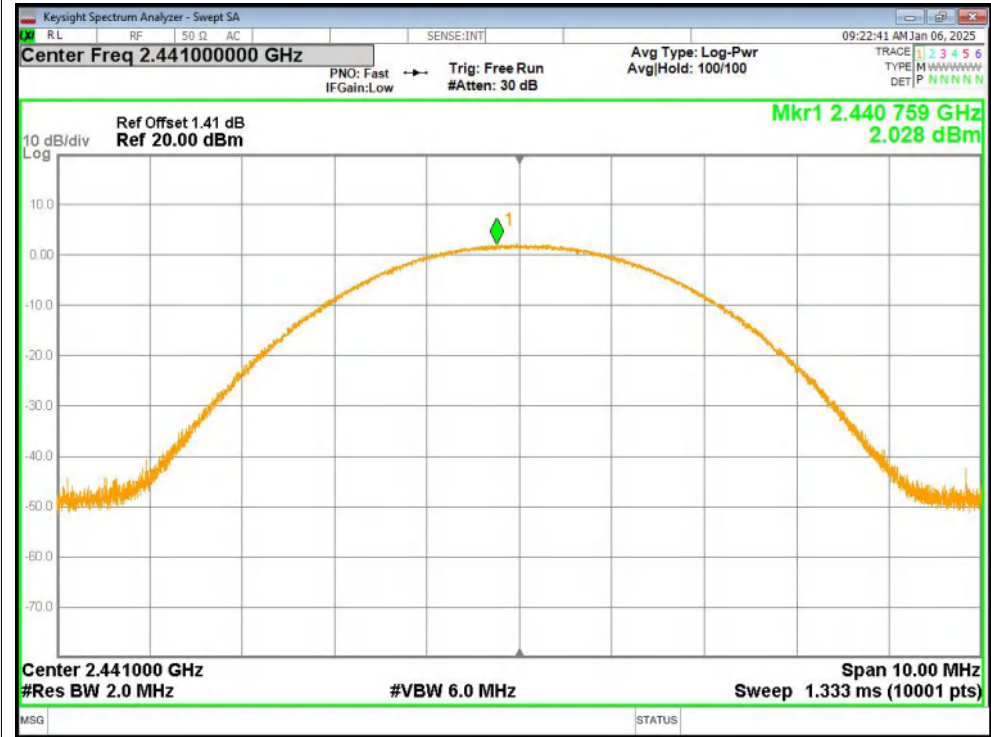
Peak Power NVNT 1-DH5 2480MHz Ant1



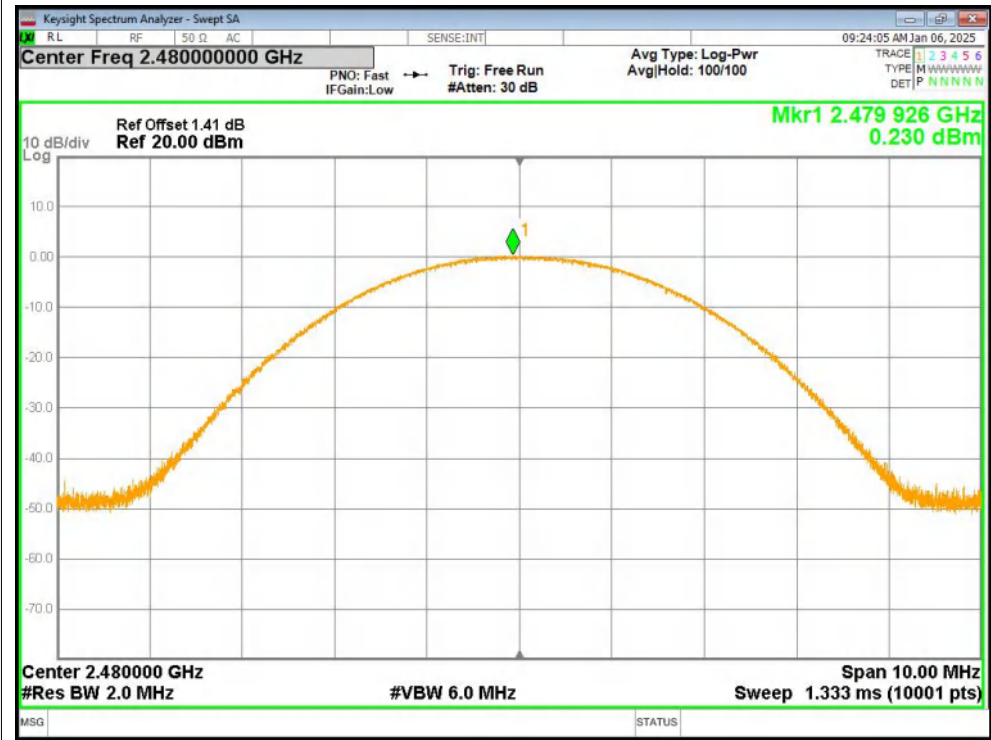
Peak Power NVNT 2-DH5 2402MHz Ant1



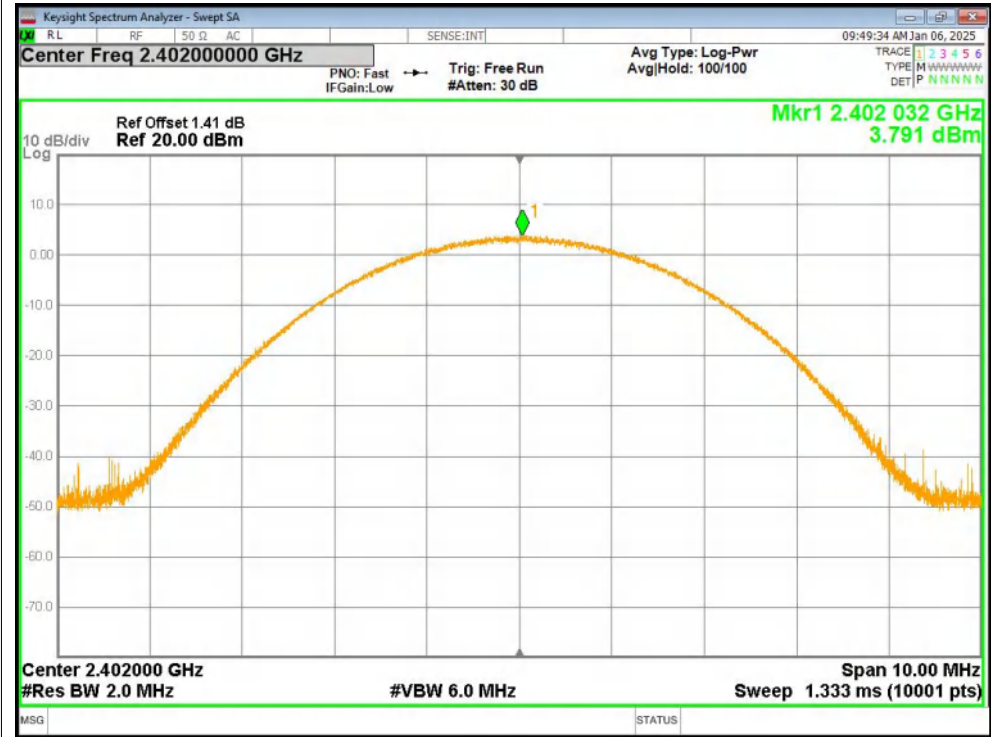
Peak Power NVNT 2-DH5 2441MHz Ant1



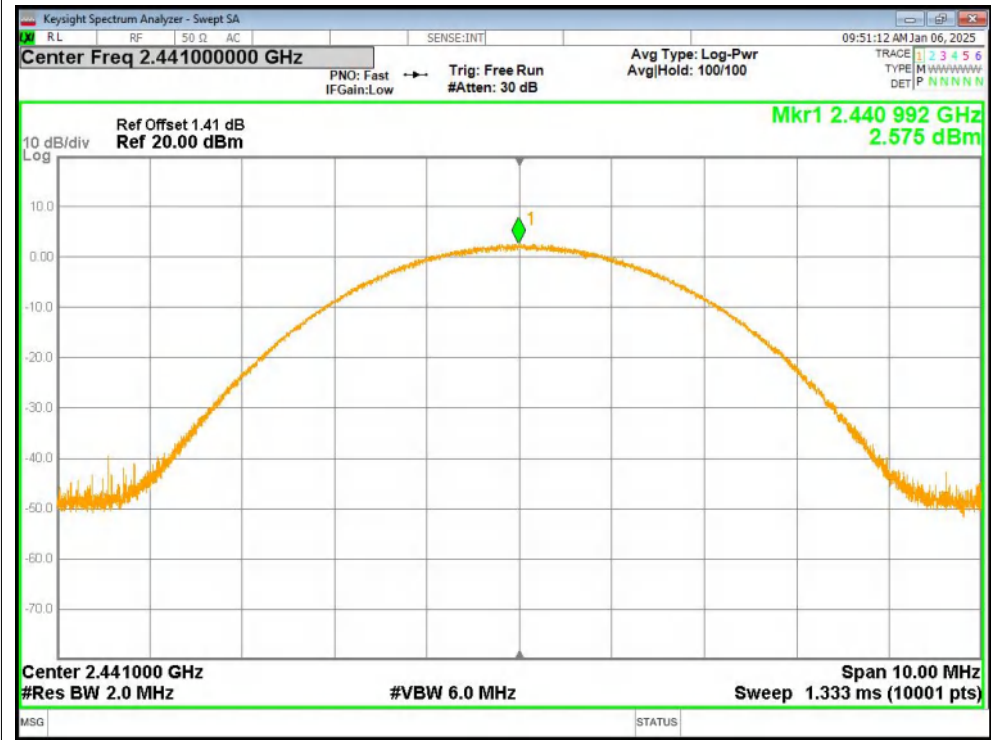
Peak Power NVNT 2-DH5 2480MHz Ant1



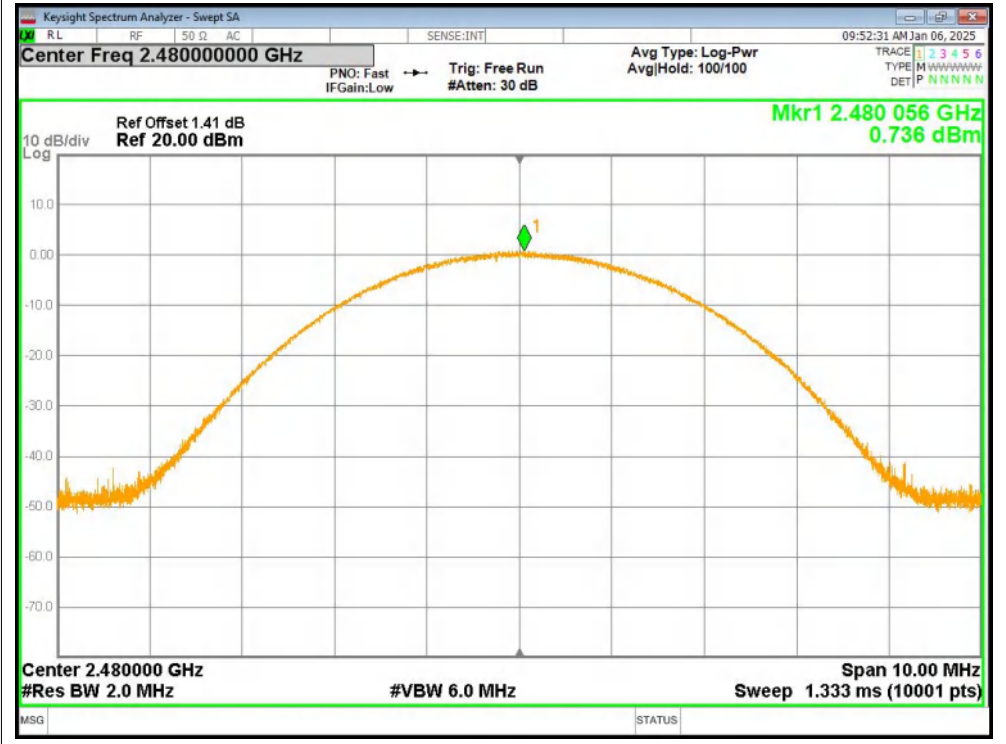
Peak Power NVNT 3-DH5 2402MHz Ant1



Peak Power NVNT 3-DH5 2441MHz Ant1



Peak Power NVNT 3-DH5 2480MHz Ant1

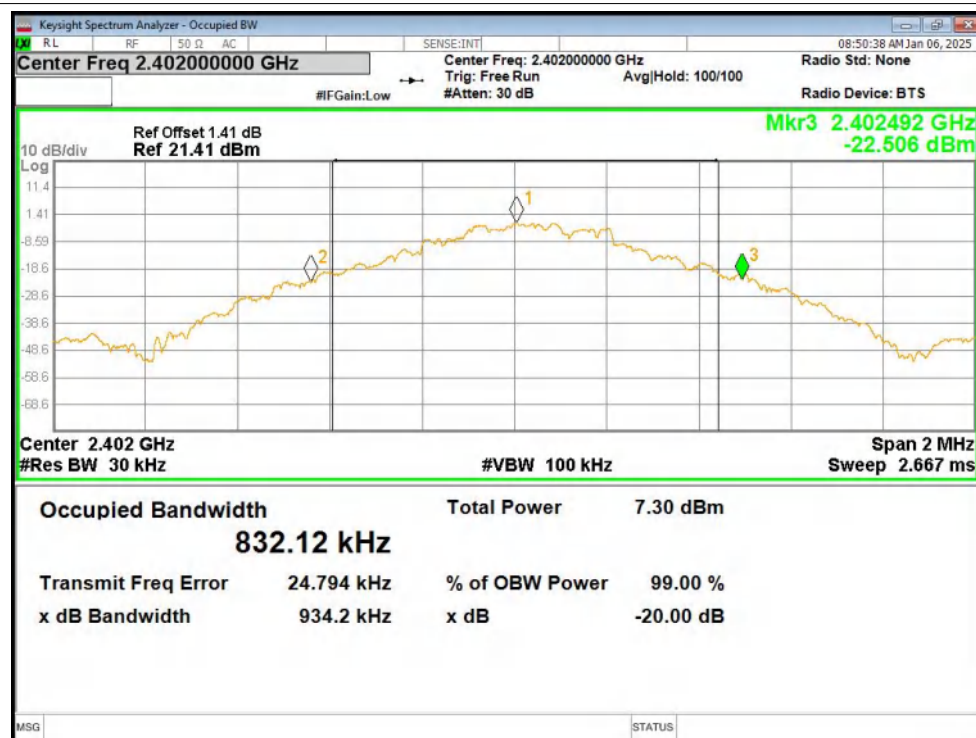


3.-20dB Bandwidth

Mode	Frequency (MHz)	-20 dB Bandwidth (MHz)	Verdict
1-DH5	2402	0.934	Pass
1-DH5	2441	0.938	Pass
1-DH5	2480	0.945	Pass
2-DH5	2402	1.315	Pass
2-DH5	2441	1.33	Pass
2-DH5	2480	1.335	Pass
3-DH5	2402	1.295	Pass
3-DH5	2441	1.302	Pass
3-DH5	2480	1.29	Pass

Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



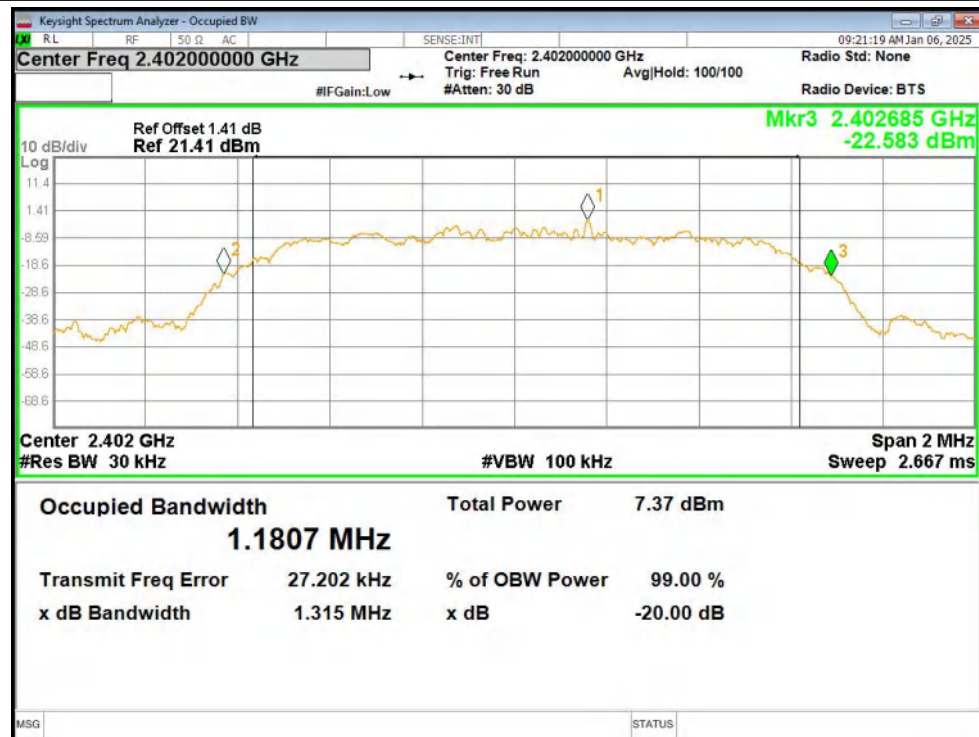
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



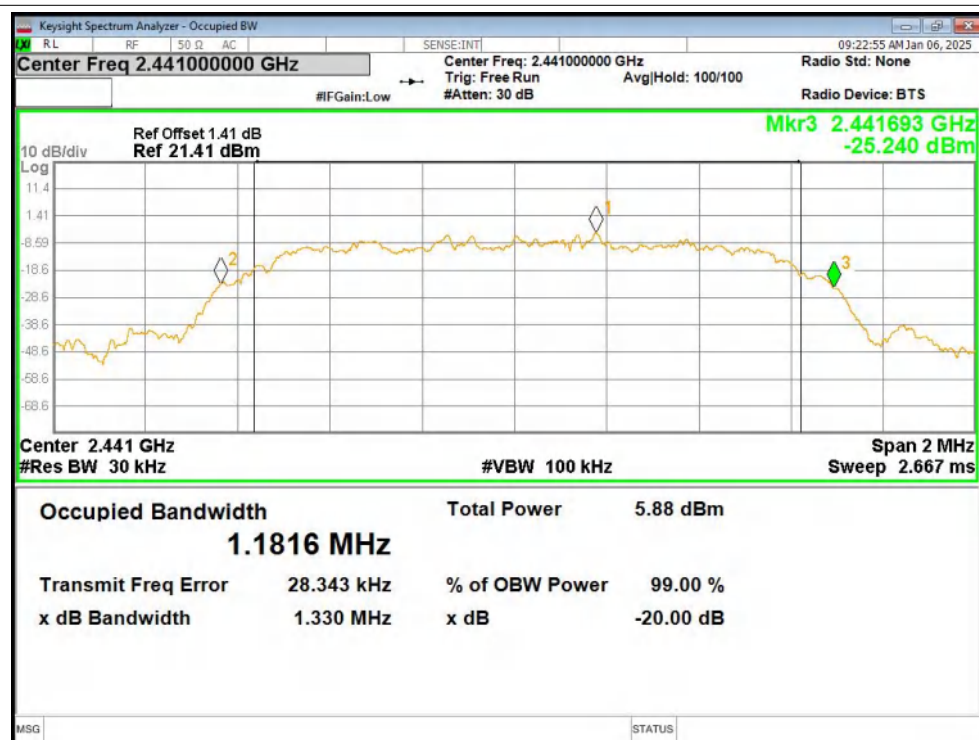
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



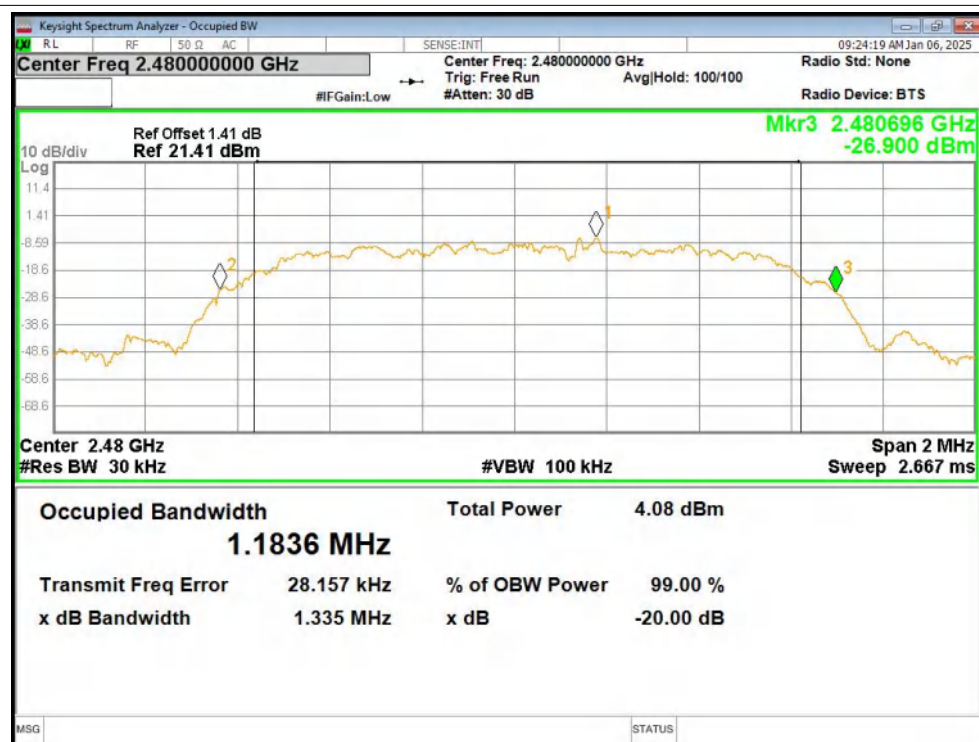
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



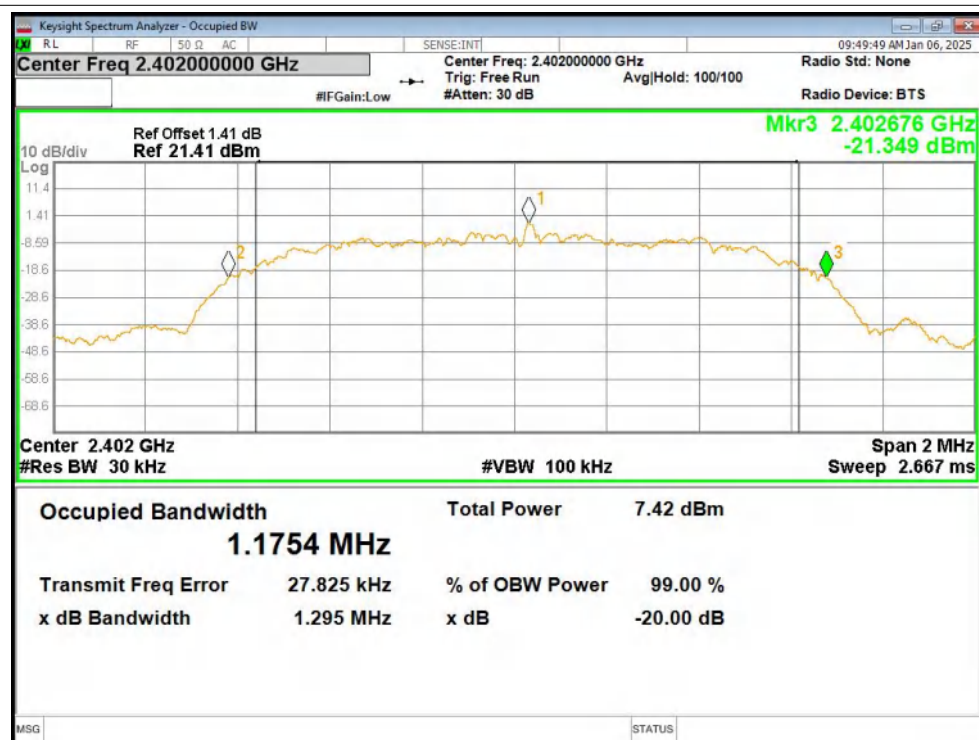
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



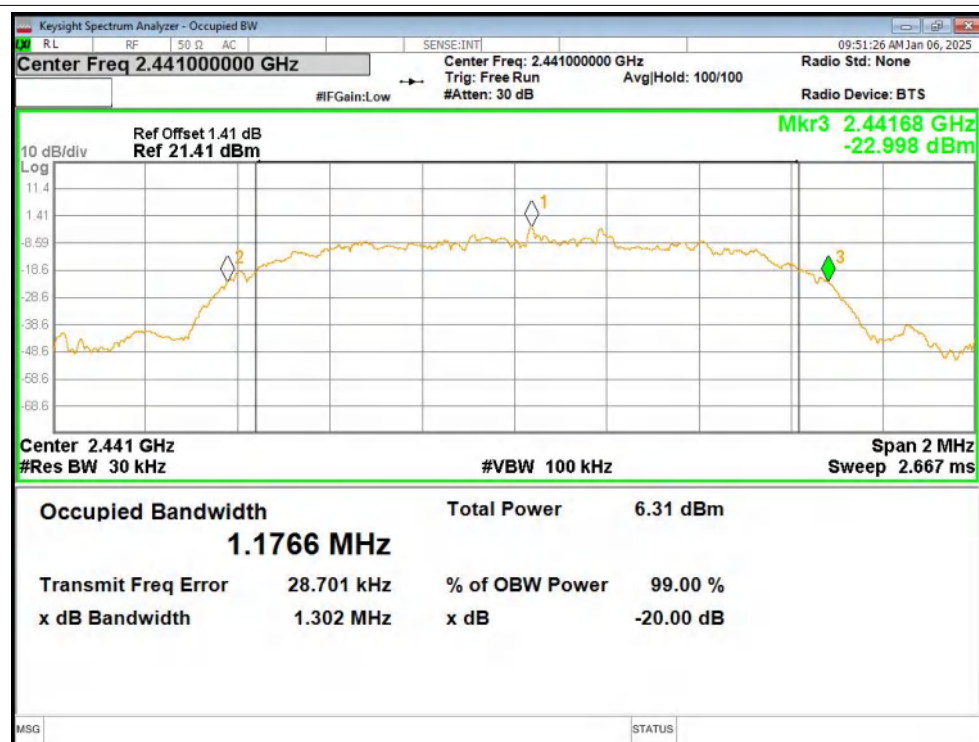
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



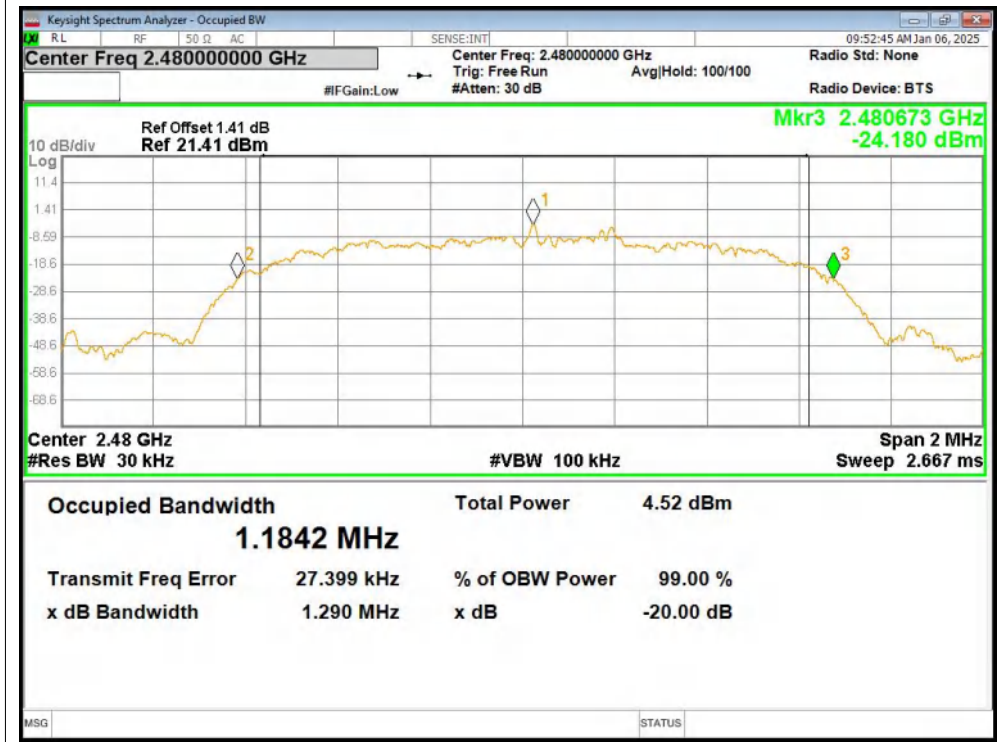
-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1

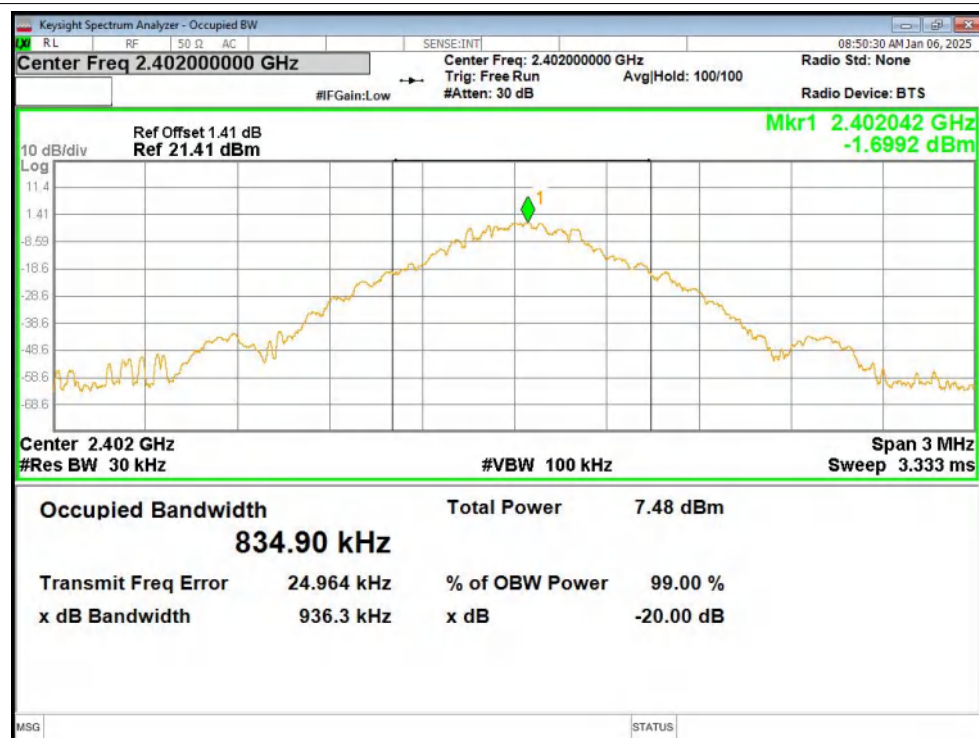


4.Occupied Channel Bandwidth

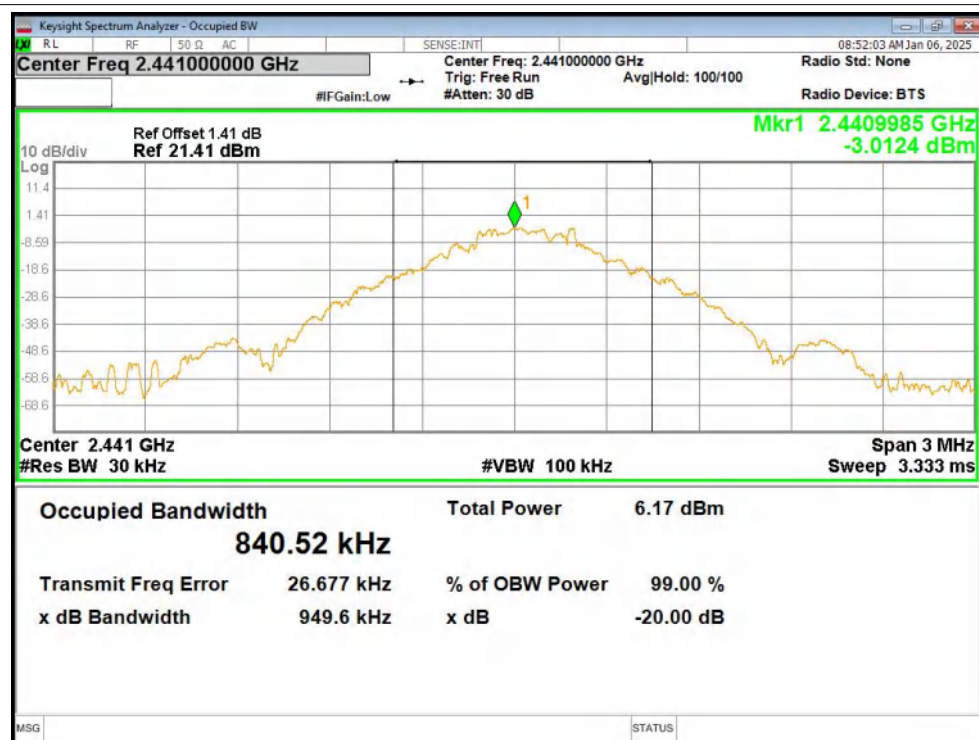
Mode	Frequency (MHz)	99% OBW (MHz)
1-DH5	2402	0.835
1-DH5	2441	0.841
1-DH5	2480	0.822
2-DH5	2402	1.186
2-DH5	2441	1.173
2-DH5	2480	1.178
3-DH5	2402	1.182
3-DH5	2441	1.193
3-DH5	2480	1.182

Test Graphs

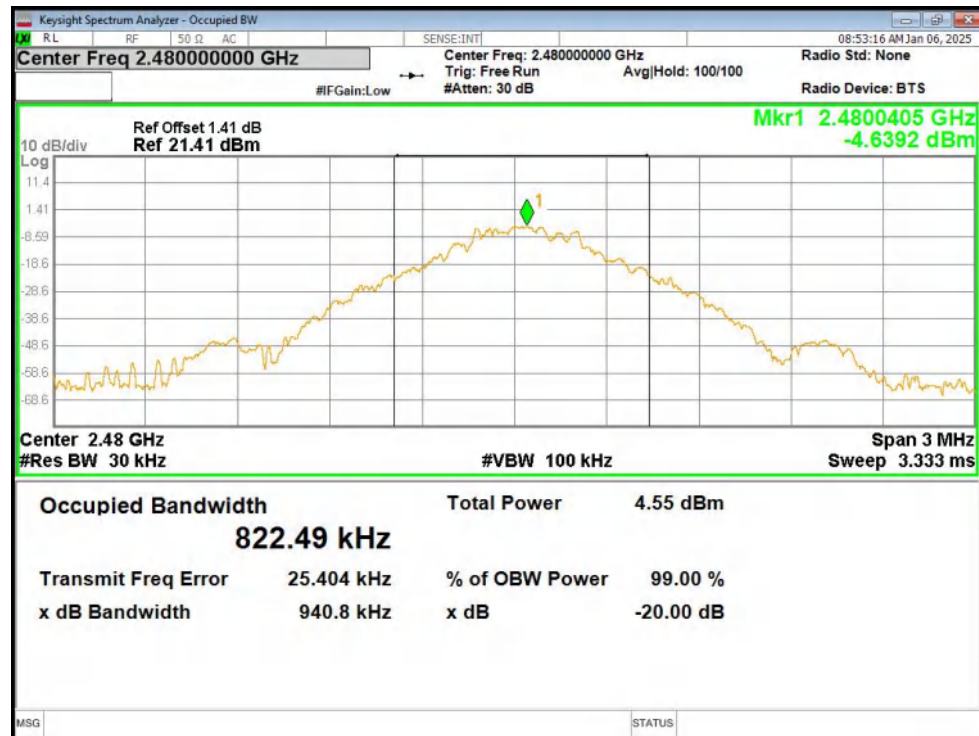
OBW NVNT 1-DH5 2402MHz Ant1



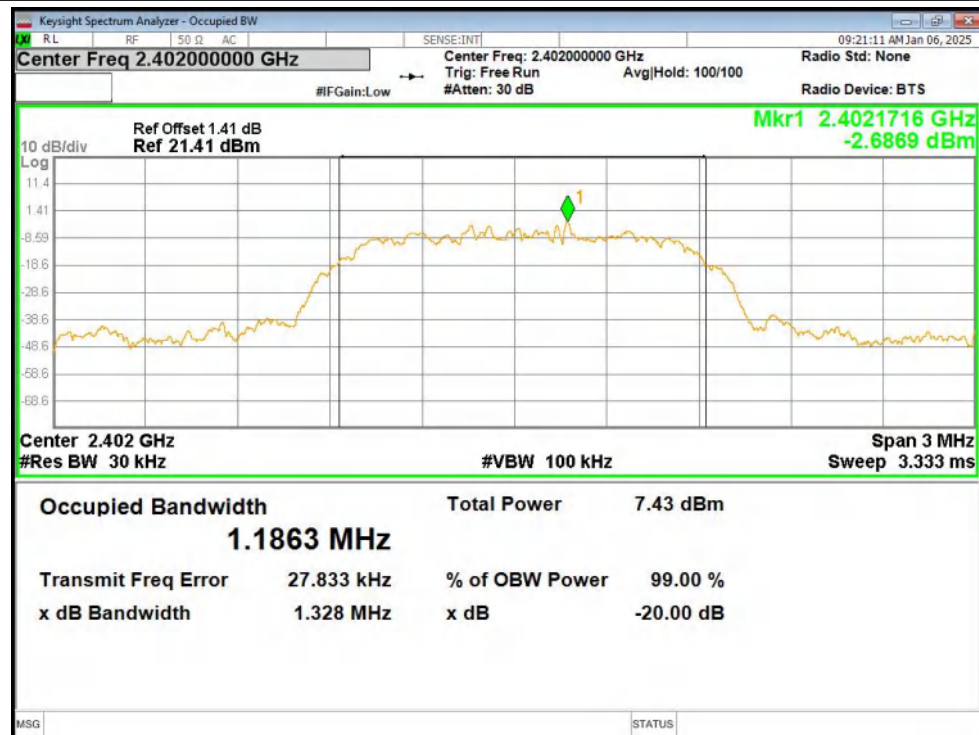
OBW NVNT 1-DH5 2441MHz Ant1



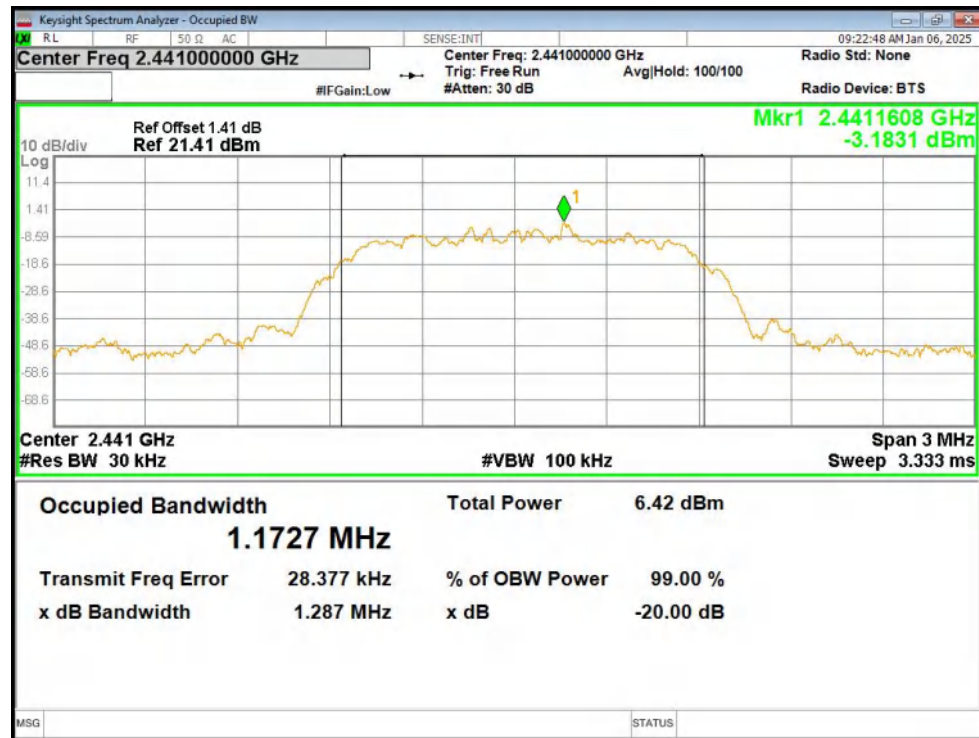
OBW NVNT 1-DH5 2480MHz Ant1



OBW NVNT 2-DH5 2402MHz Ant1



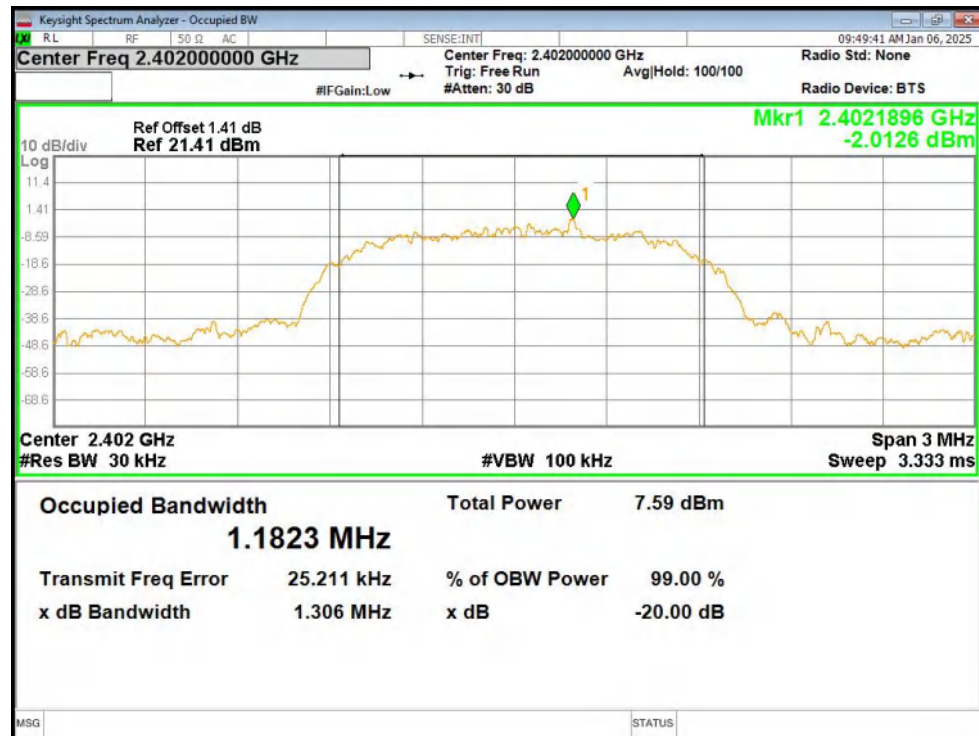
OBW NVNT 2-DH5 2441MHz Ant1



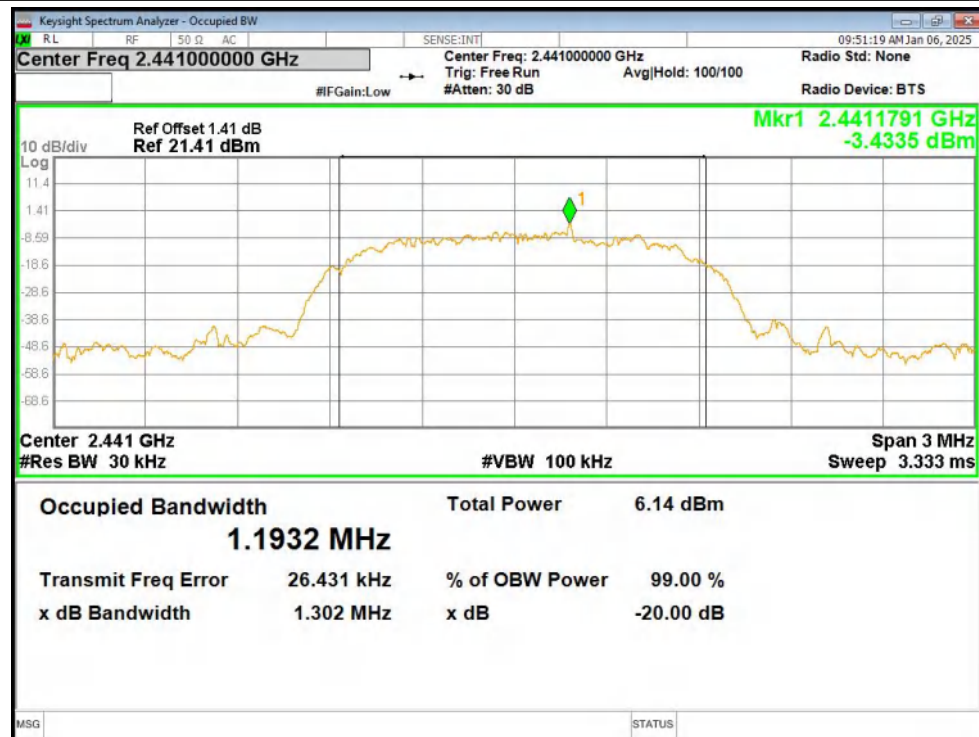
OBW NVNT 2-DH5 2480MHz Ant1



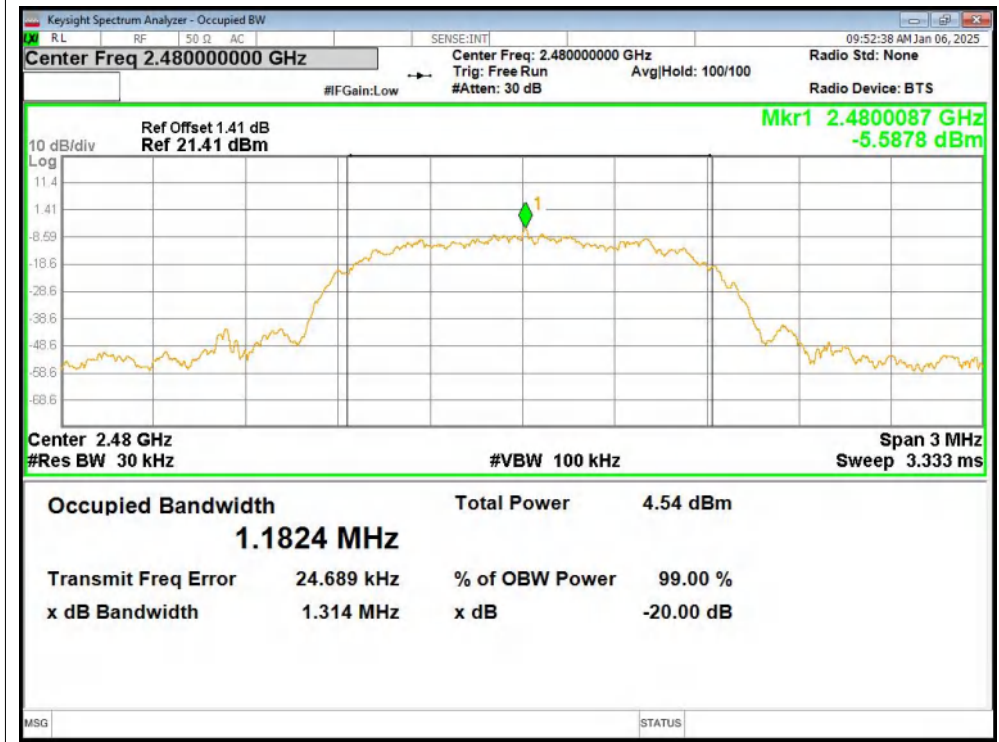
OBW NVNT 3-DH5 2402MHz Ant1



OBW NVNT 3-DH5 2441MHz Ant1



OBW NVNT 3-DH5 2480MHz Ant1

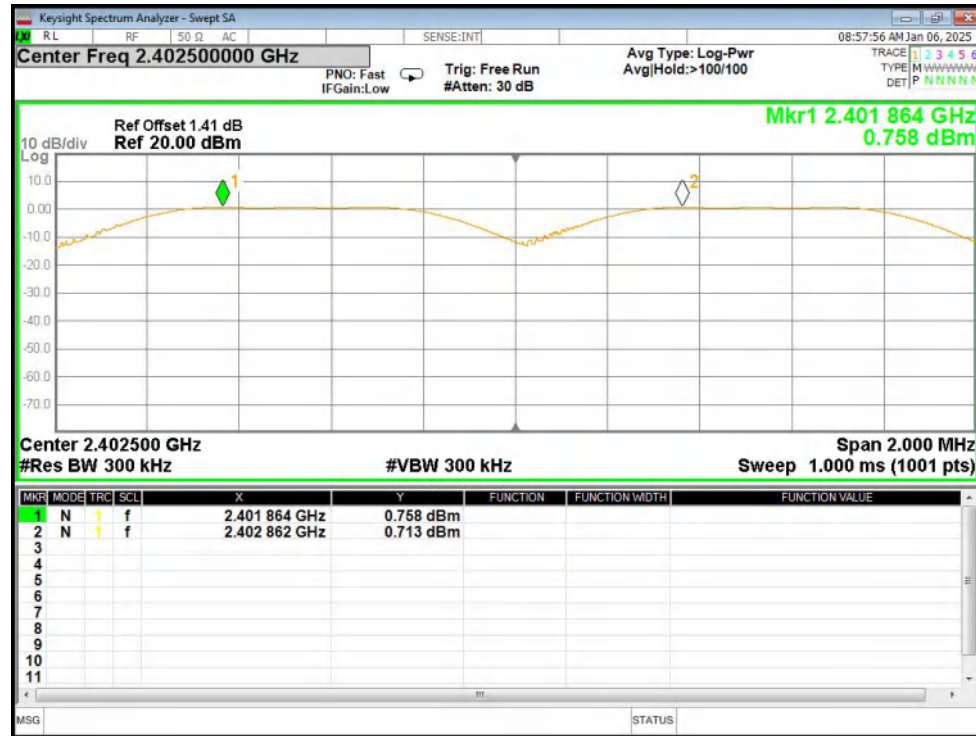


5.Carrier Frequencies Separation

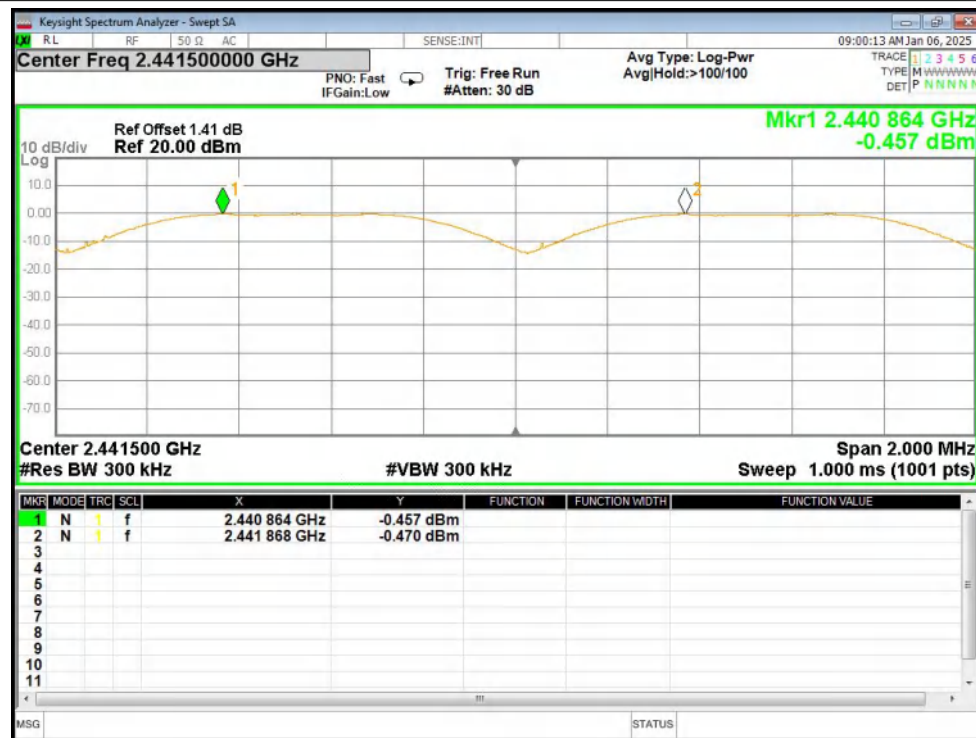
Mode	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
1-DH5	2401.864	2402.862	0.998	0.623	Pass
1-DH5	2440.864	2441.868	1.004	0.625	Pass
1-DH5	2478.86	2479.862	1.002	0.63	Pass
2-DH5	2402.01	2403.018	1.008	0.877	Pass
2-DH5	2441.006	2442.022	1.016	0.887	Pass
2-DH5	2479.018	2480.03	1.012	0.89	Pass
3-DH5	2402.176	2403.182	1.006	0.863	Pass
3-DH5	2441.182	2442.168	0.986	0.868	Pass
3-DH5	2478.874	2480.176	1.302	0.86	Pass

Test Graphs

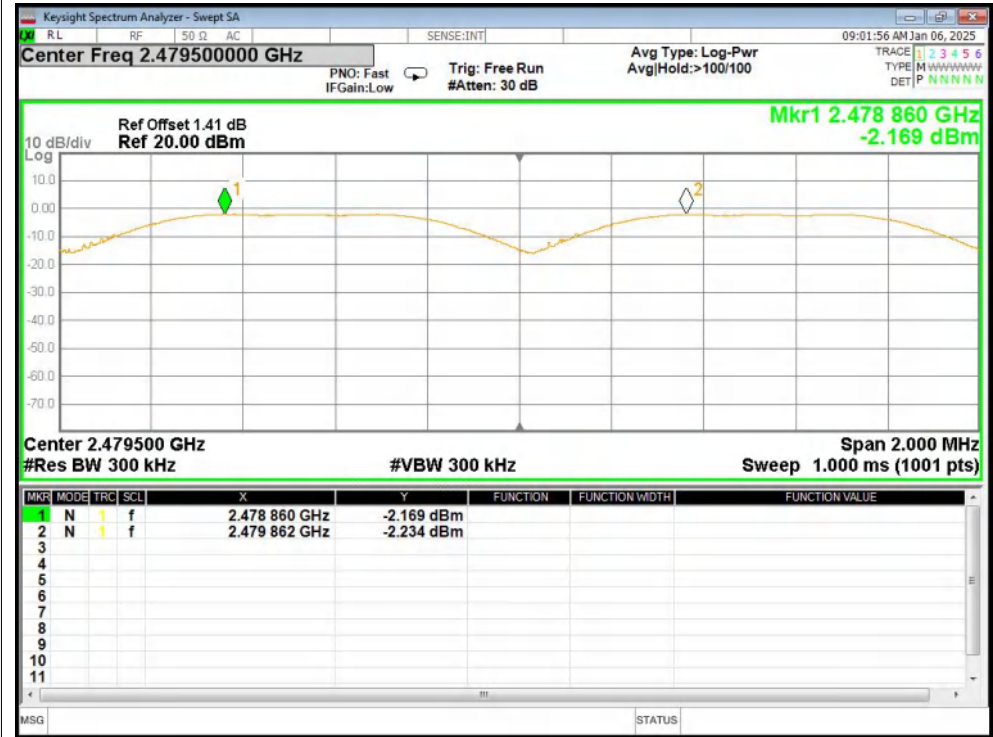
CFS NVNT 1-DH5 2402MHz Ant1



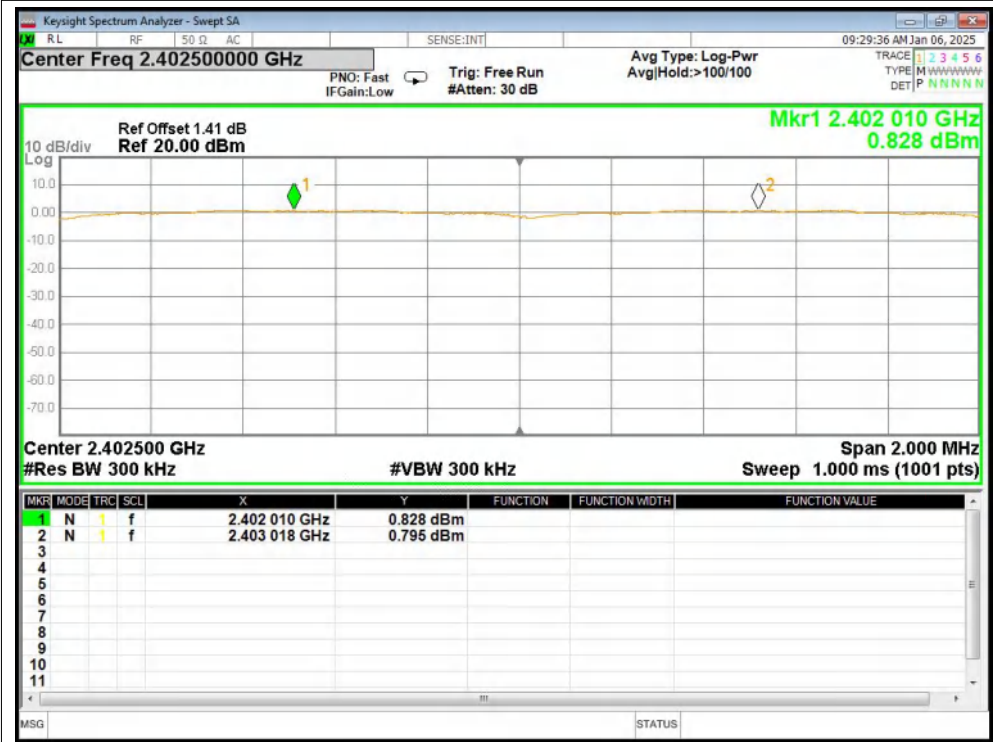
CFS NVNT 1-DH5 2441MHz Ant1



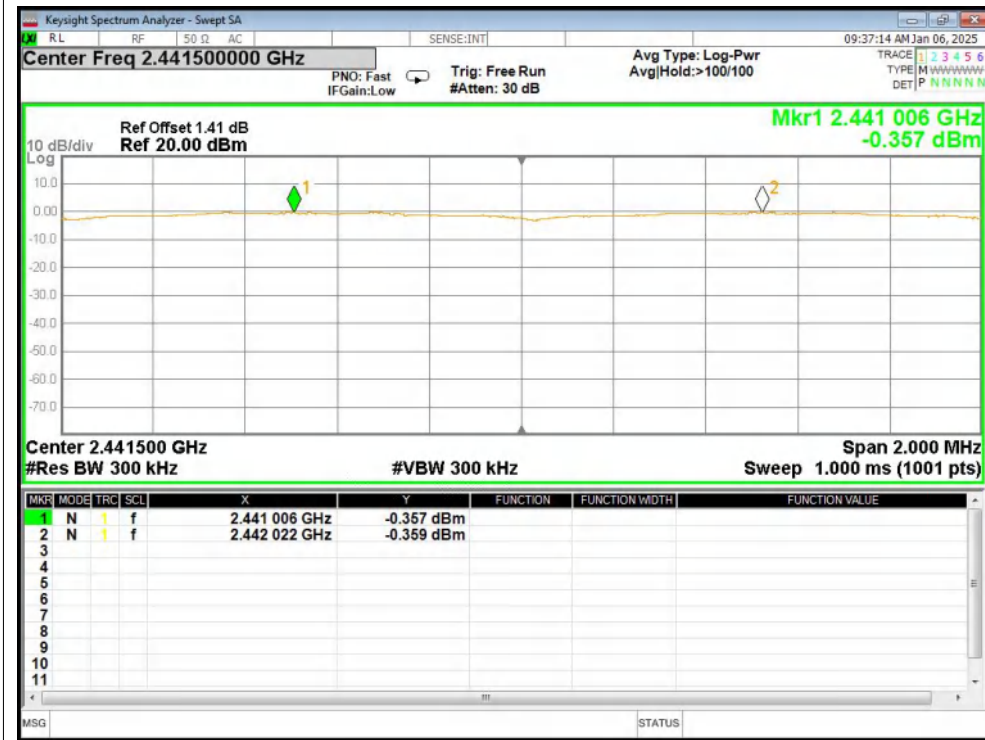
CFS NVNT 1-DH5 2480MHz Ant1



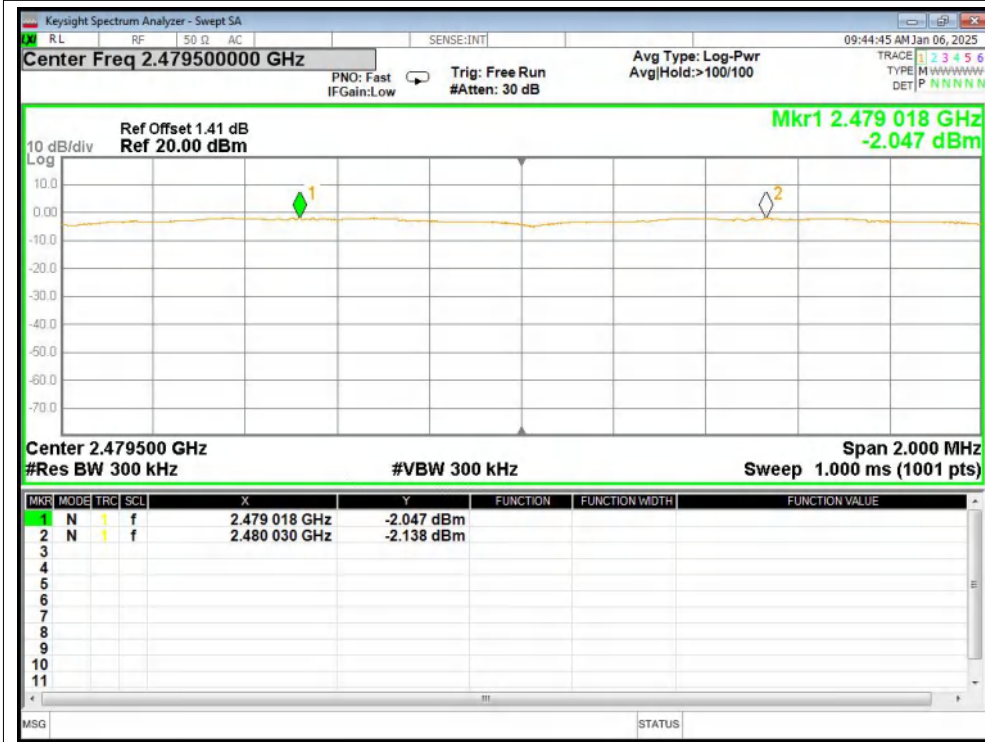
CFS NVNT 2-DH5 2402MHz Ant1



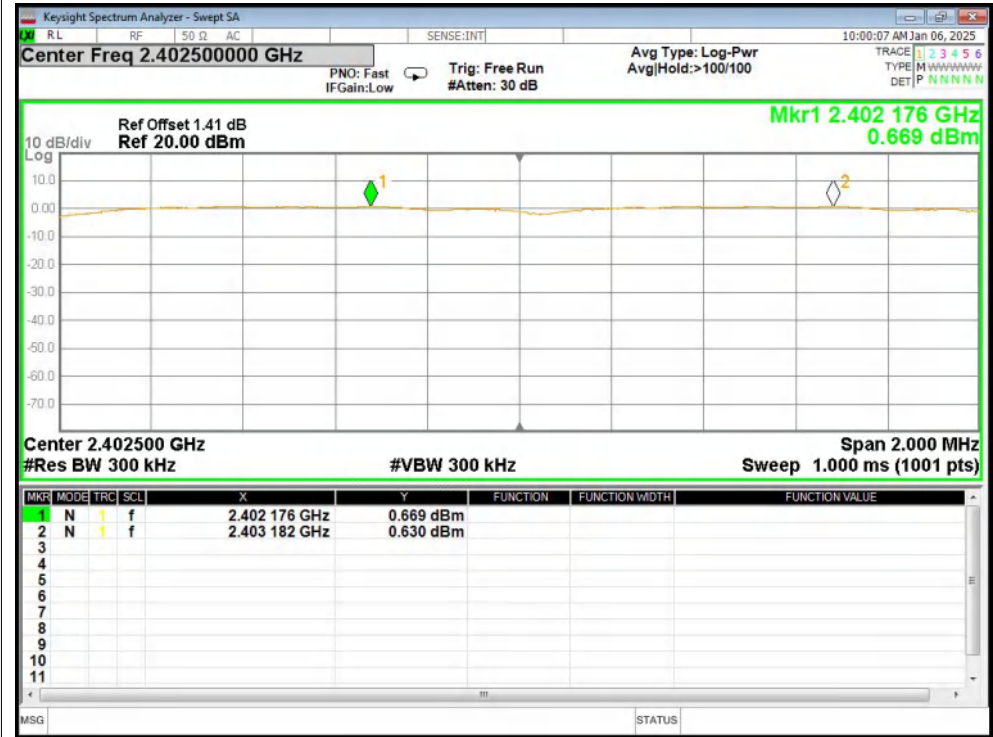
CFS NVNT 2-DH5 2441MHz Ant1



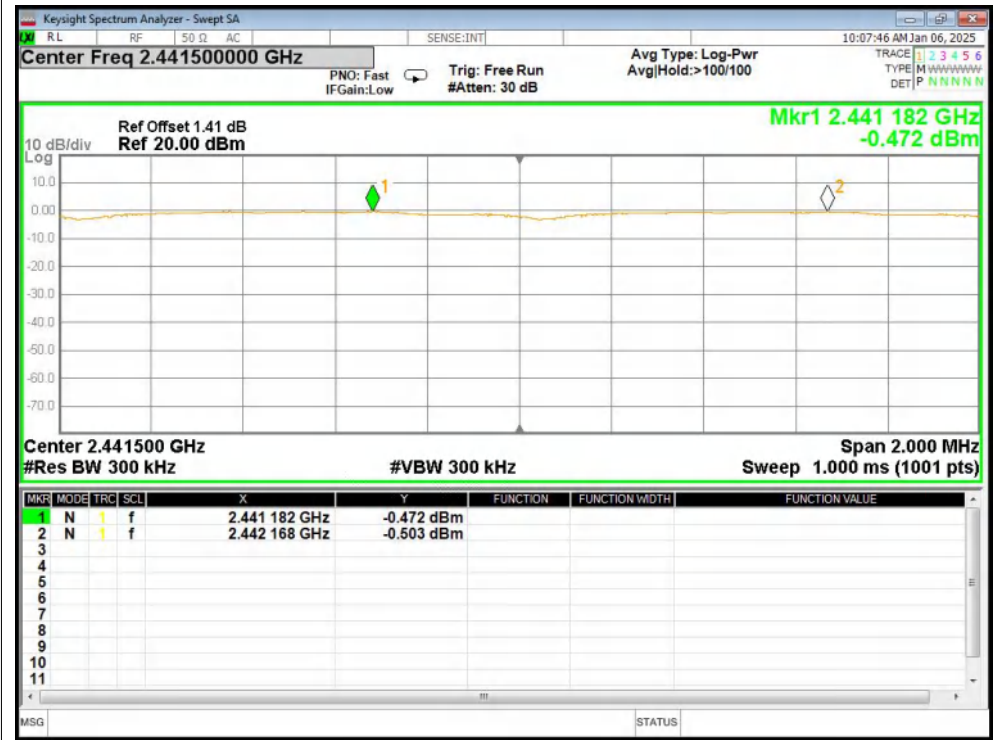
CFS NVNT 2-DH5 2480MHz Ant1



CFS NVNT 3-DH5 2402MHz Ant1



CFS NVNT 3-DH5 2441MHz Ant1

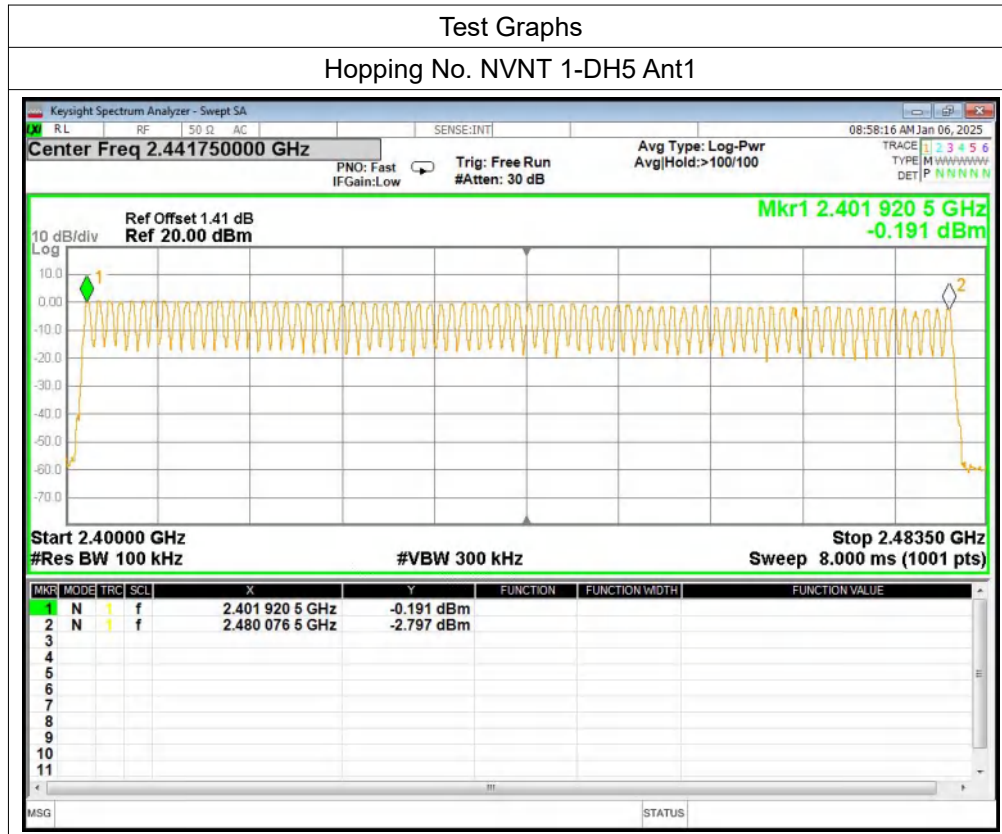


CFS NVNT 3-DH5 2480MHz Ant1

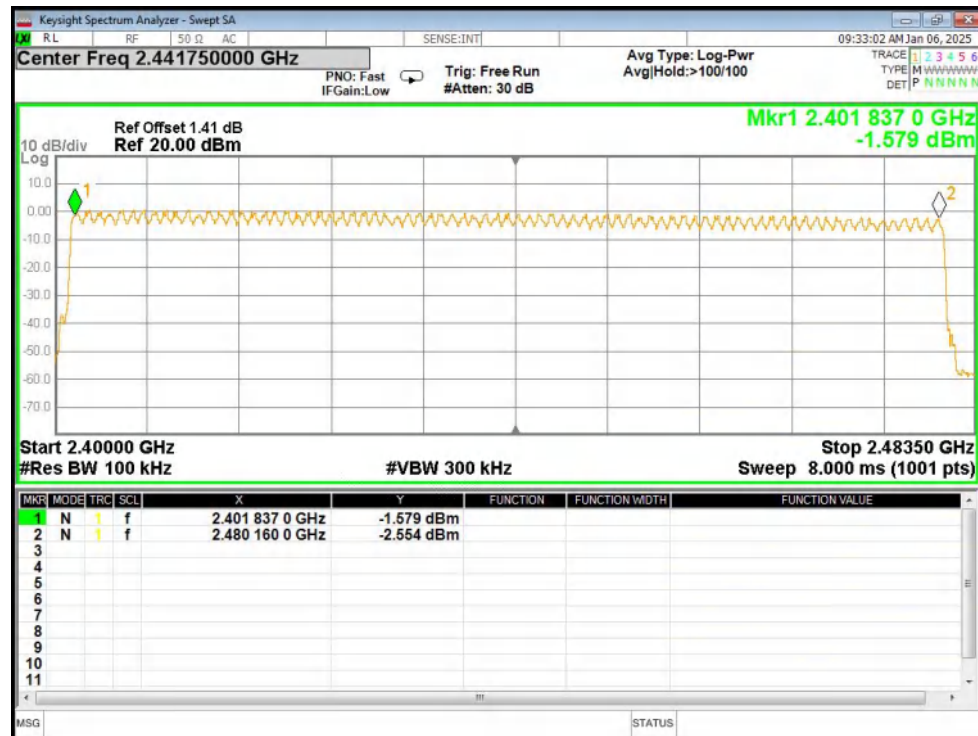


6.Number of Hopping Channel

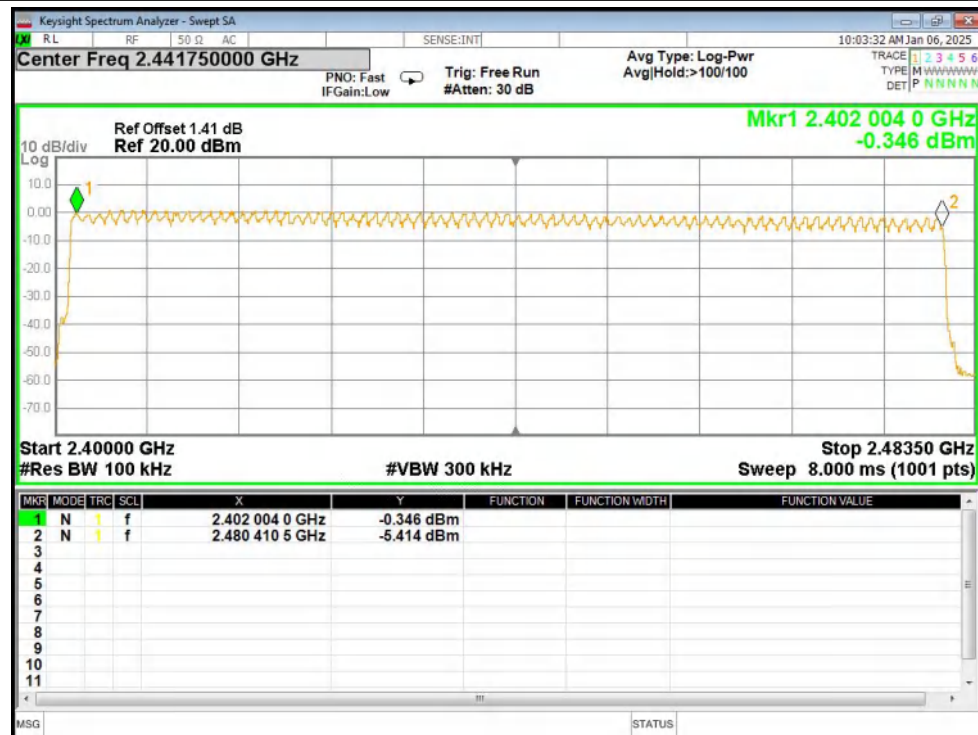
Mode	Hopping Number	Limit	Verdict
1-DH5	79	15	Pass
2-DH5	79	15	Pass
3-DH5	79	15	Pass



Hopping No. NVNT 2-DH5 Ant1



Hopping No. NVNT 3-DH5 Ant1

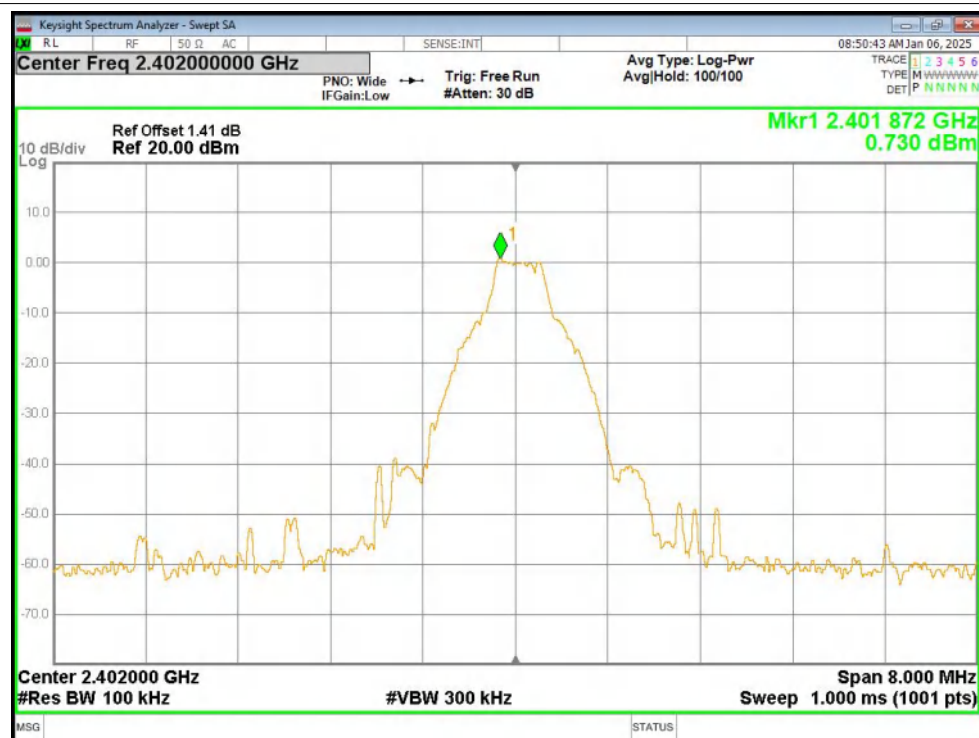


7.Band Edge

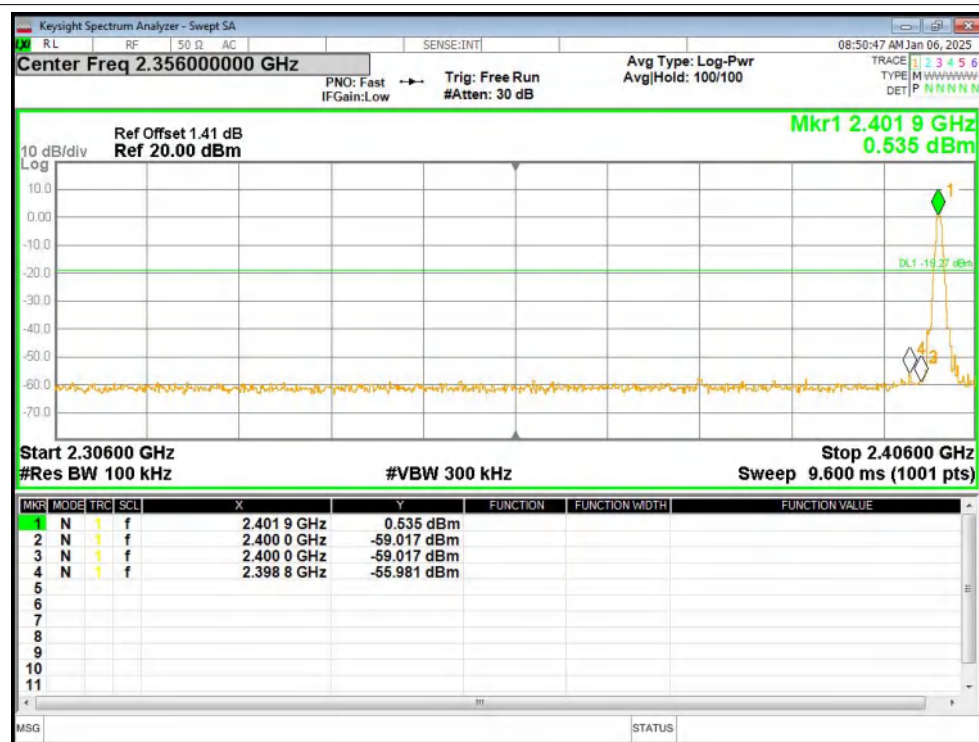
Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
1-DH5	2402	No-Hopping	-56.71	-20	Pass
1-DH5	2480	No-Hopping	-55.8	-20	Pass
2-DH5	2402	No-Hopping	-55.04	-20	Pass
2-DH5	2480	No-Hopping	-54.77	-20	Pass
3-DH5	2402	No-Hopping	-52.02	-20	Pass
3-DH5	2480	No-Hopping	-55.95	-20	Pass

Test Graphs

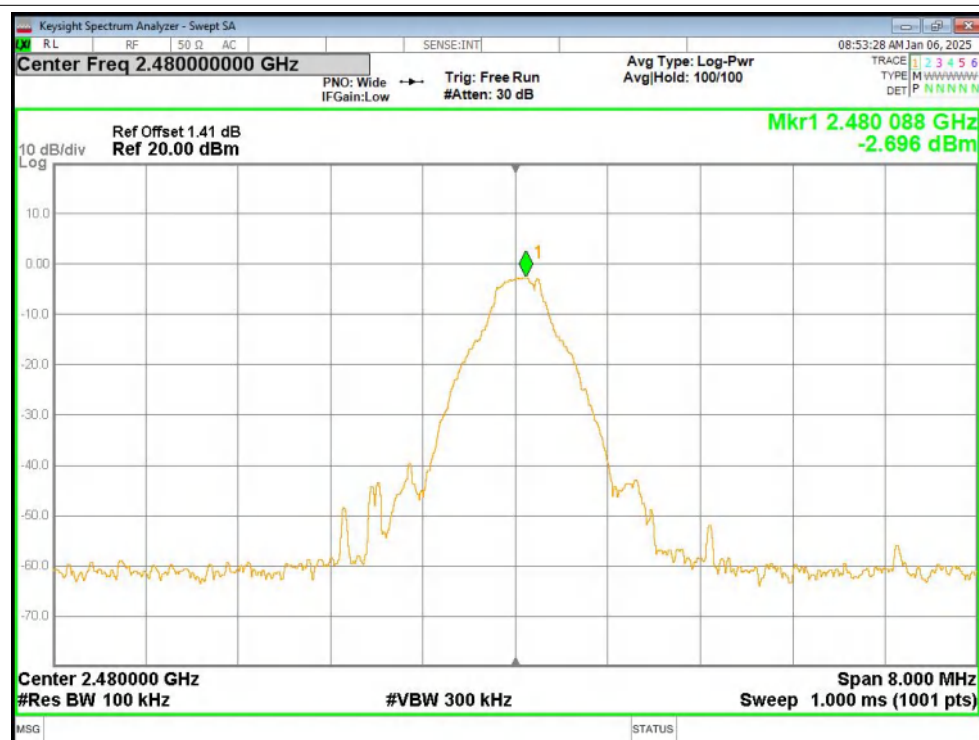
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



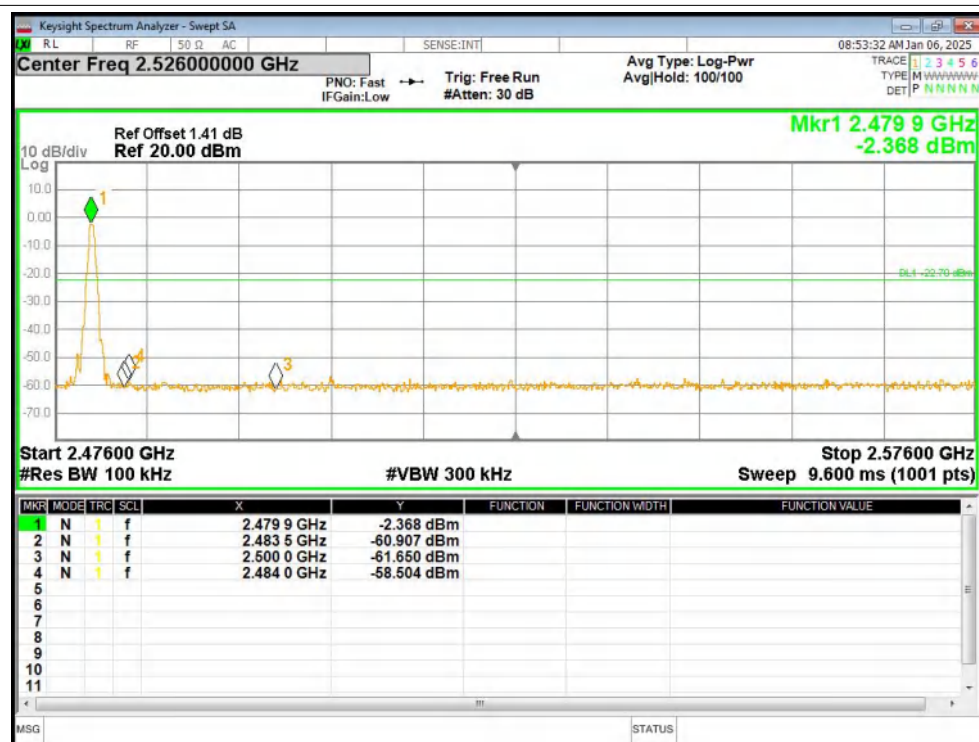
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



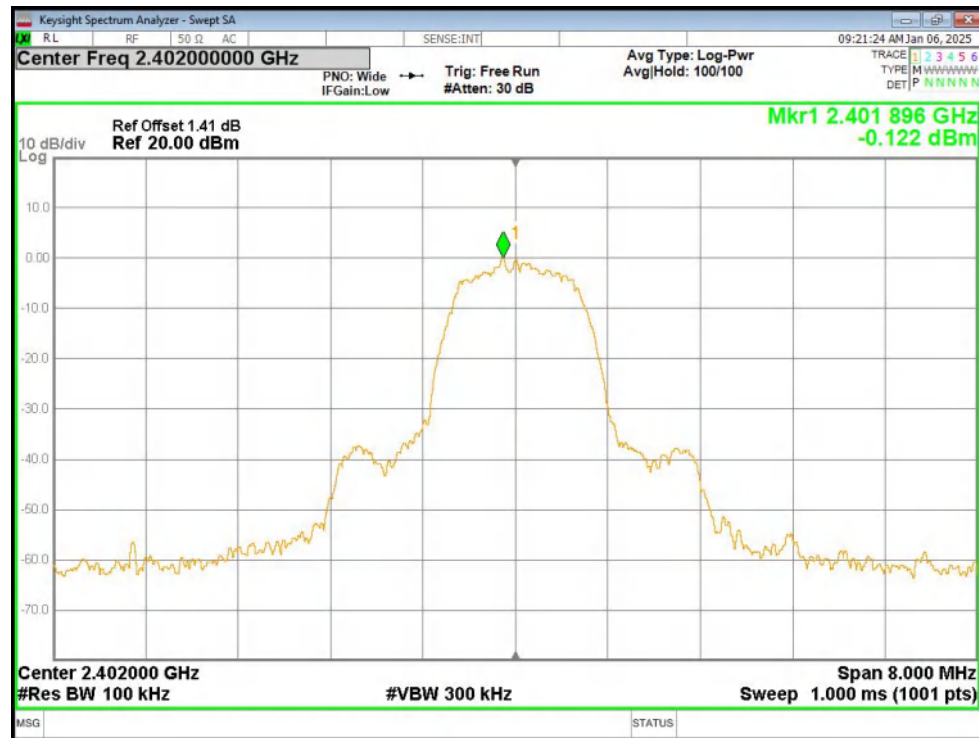
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



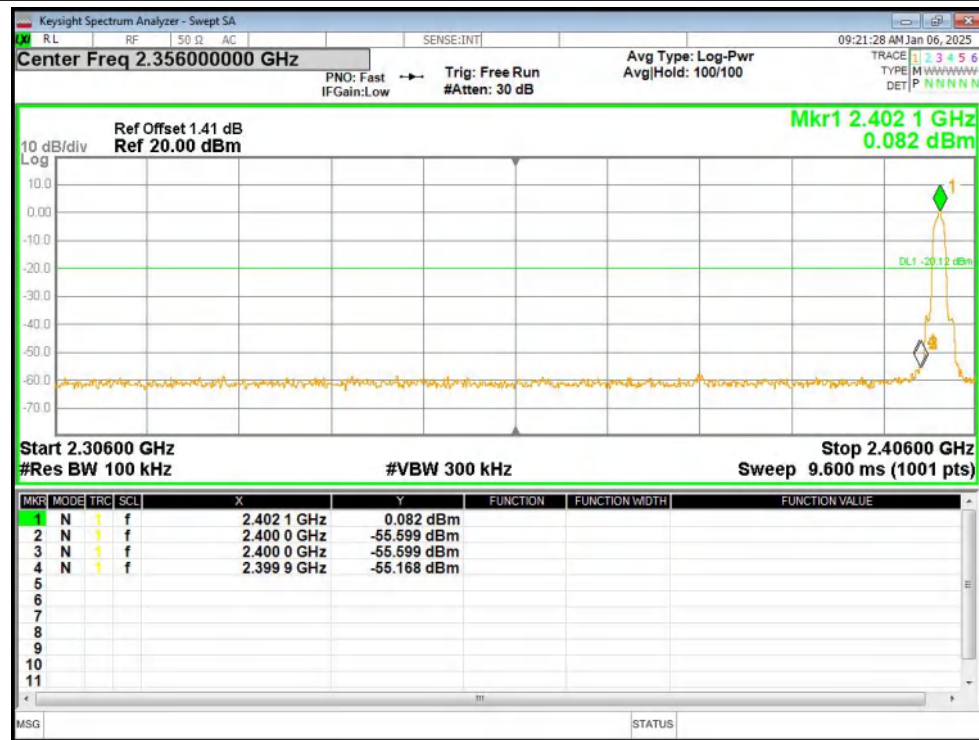
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



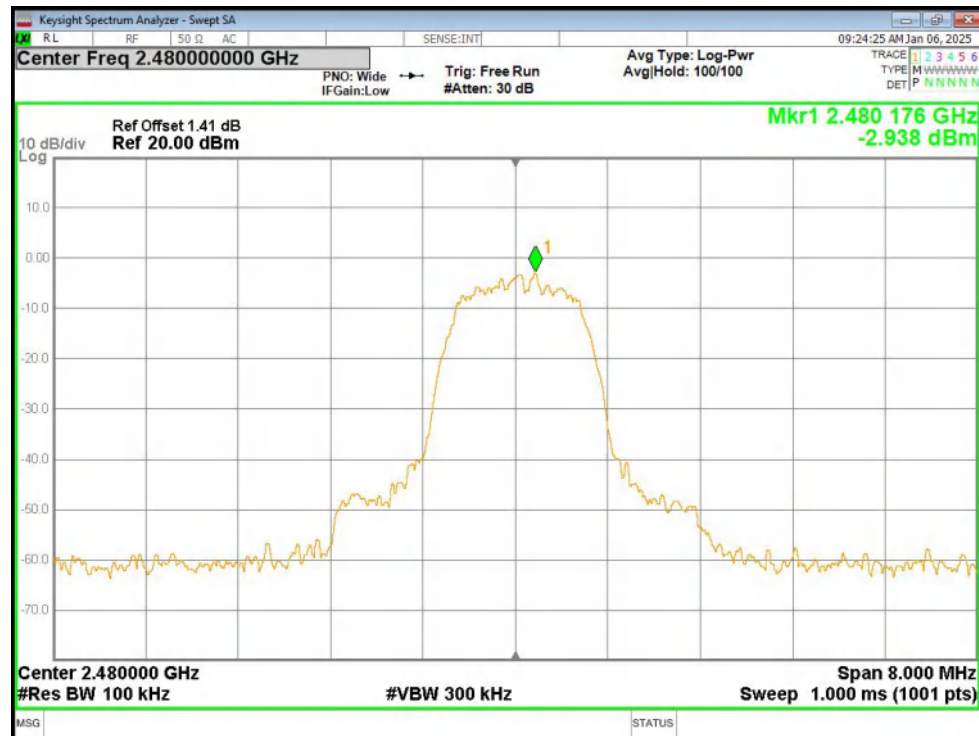
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



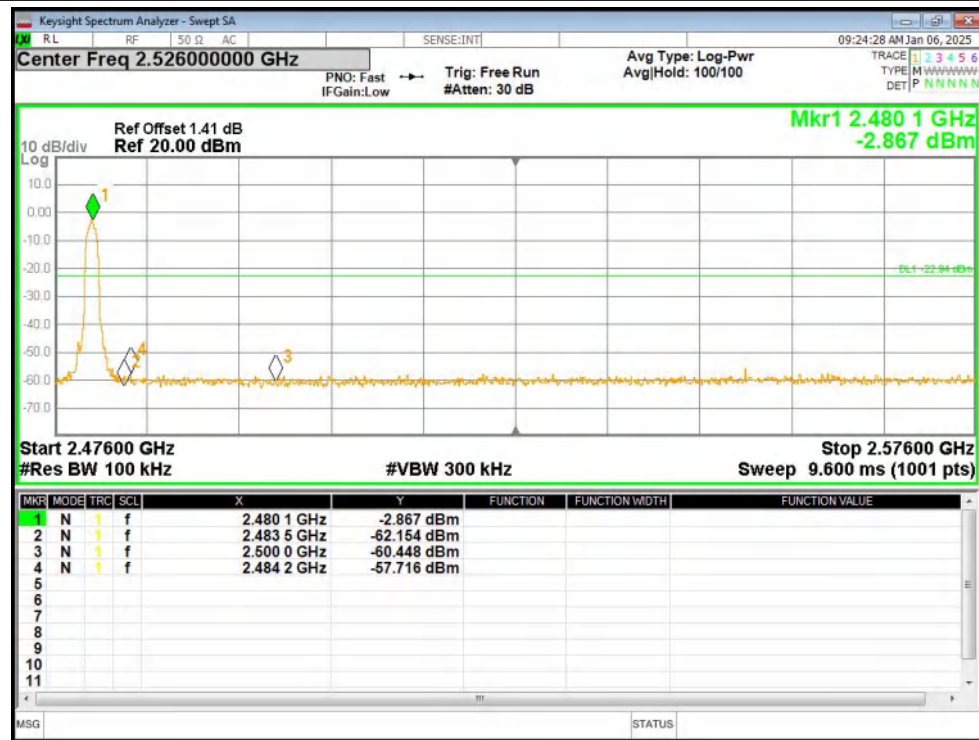
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



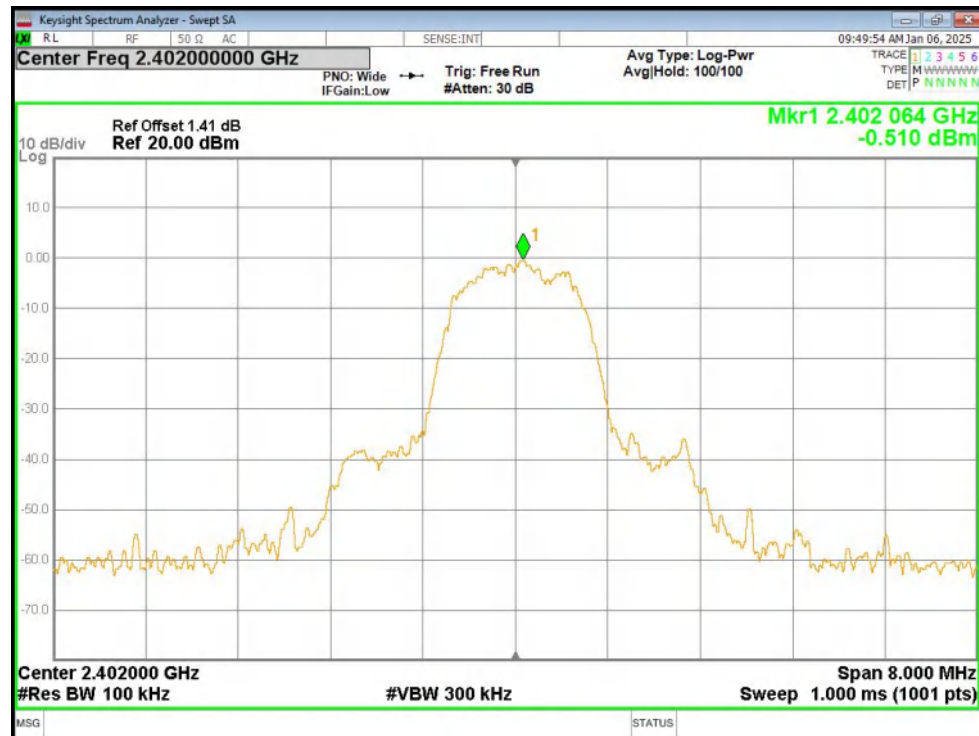
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



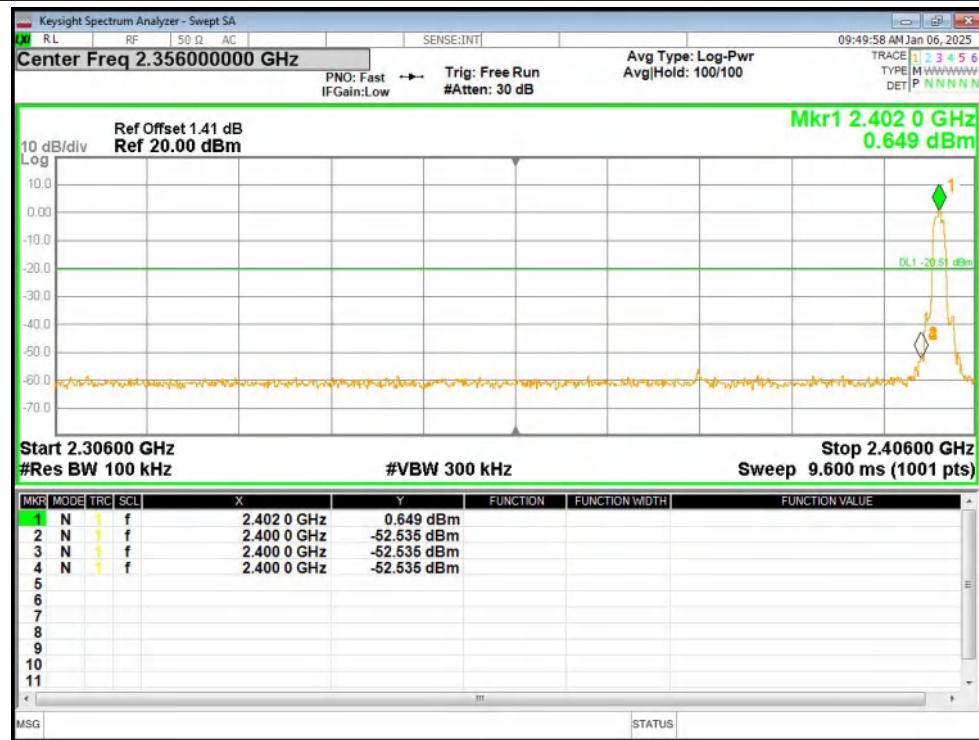
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



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



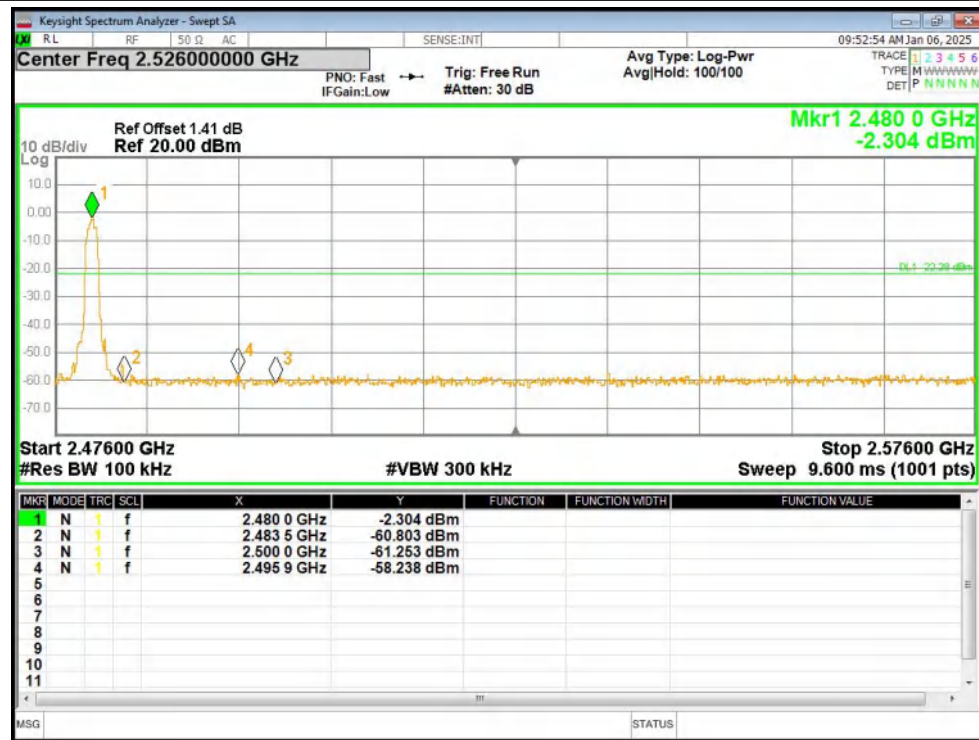
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission



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



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

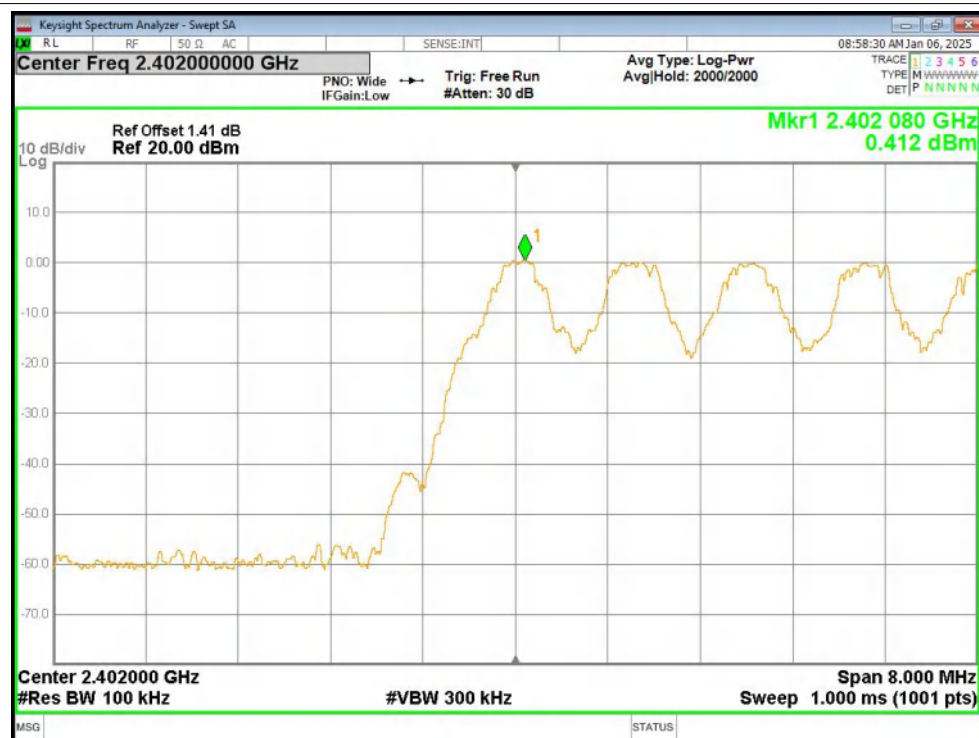


8.Band Edge(Hopping)

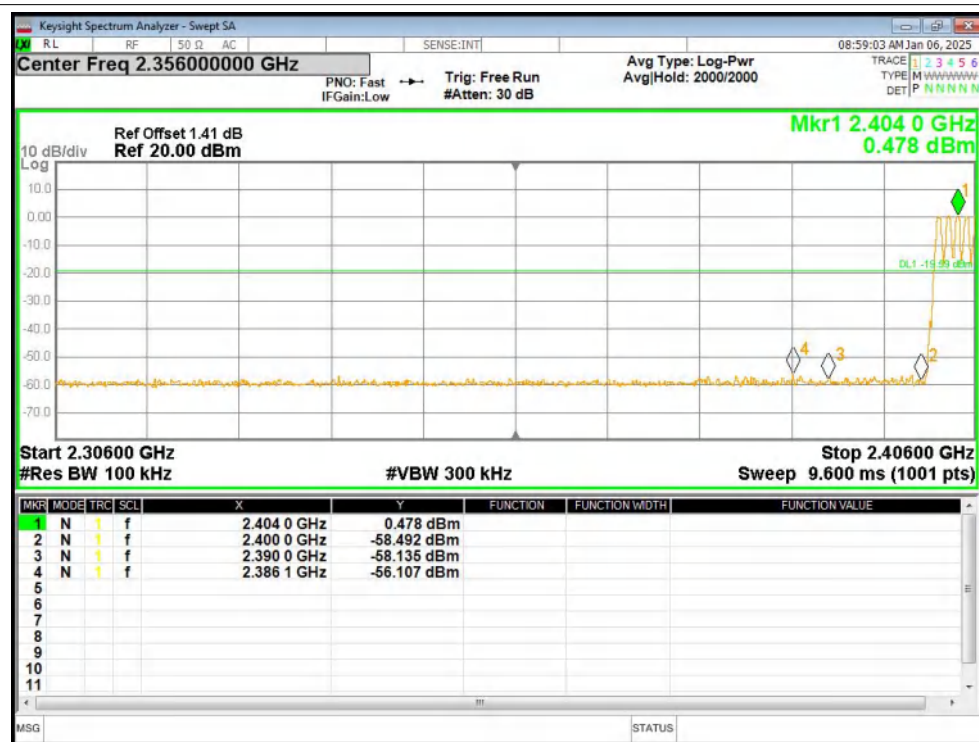
Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
1-DH5	2402	Hopping	-56.51	-20	Pass
1-DH5	2480	Hopping	-55.22	-20	Pass
2-DH5	2402	Hopping	-56.47	-20	Pass
2-DH5	2480	Hopping	-54.55	-20	Pass
3-DH5	2402	Hopping	-57.97	-20	Pass
3-DH5	2480	Hopping	-54.99	-20	Pass

Test Graphs

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



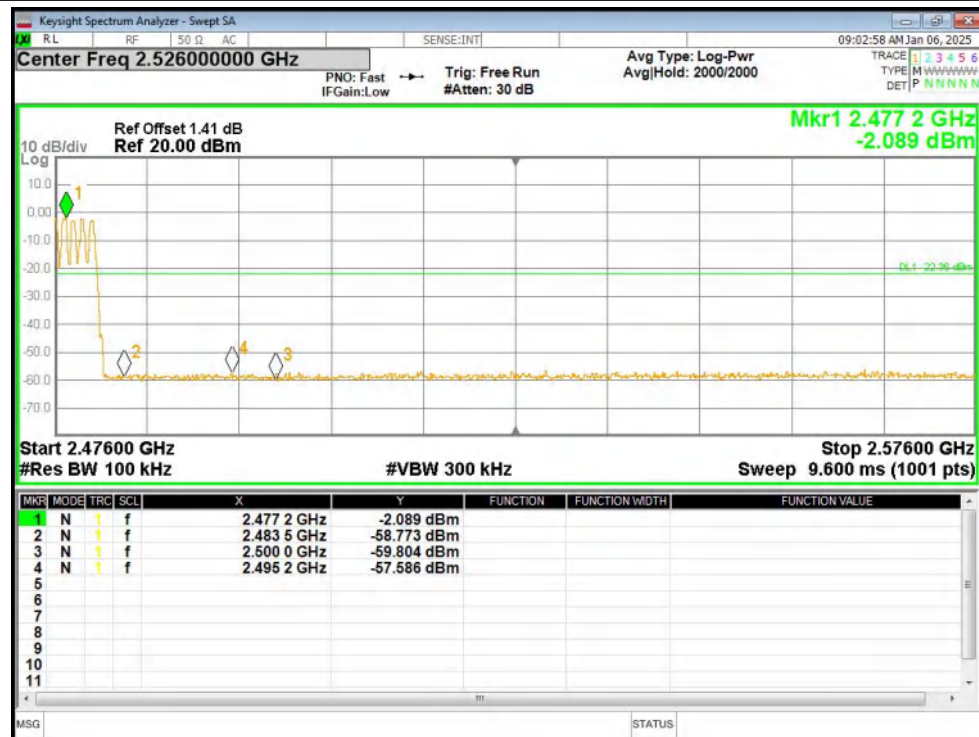
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



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



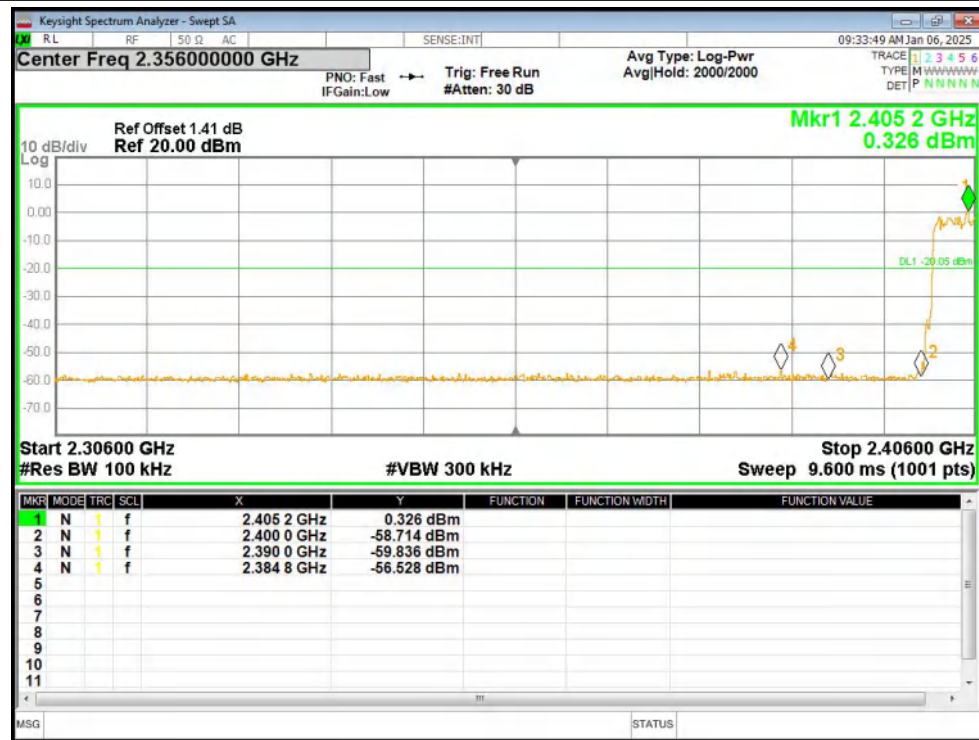
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission



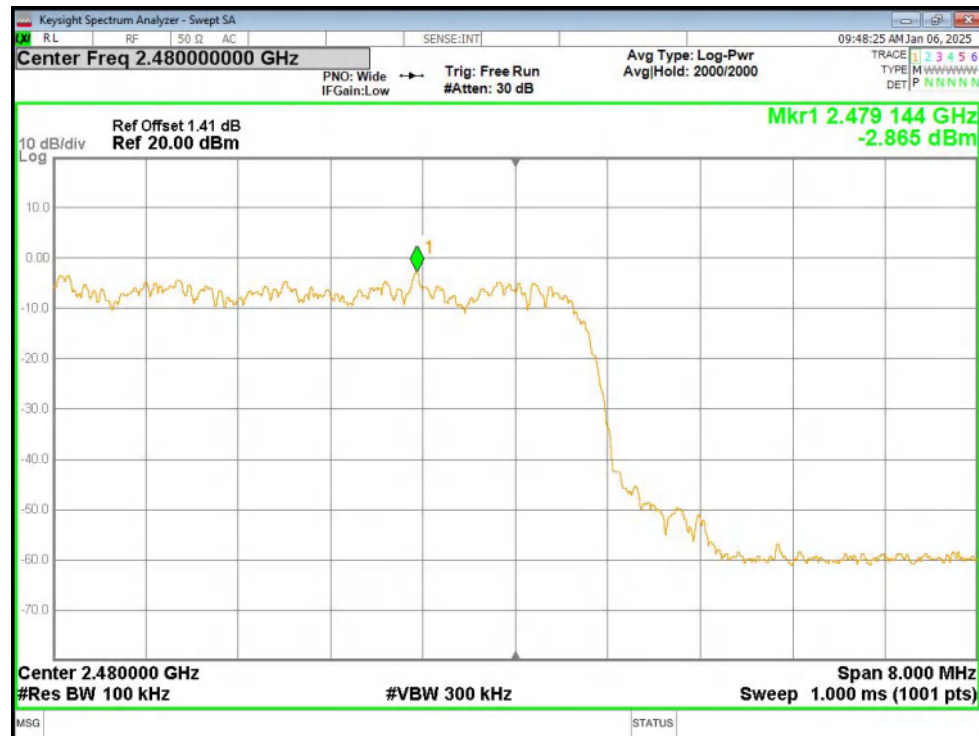
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



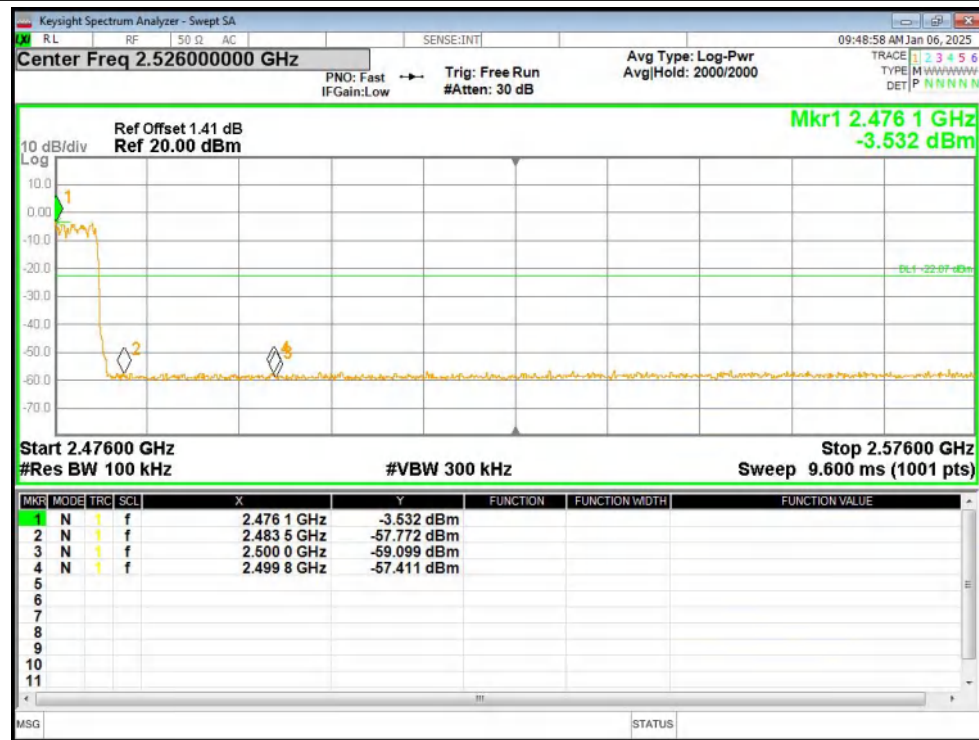
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission



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



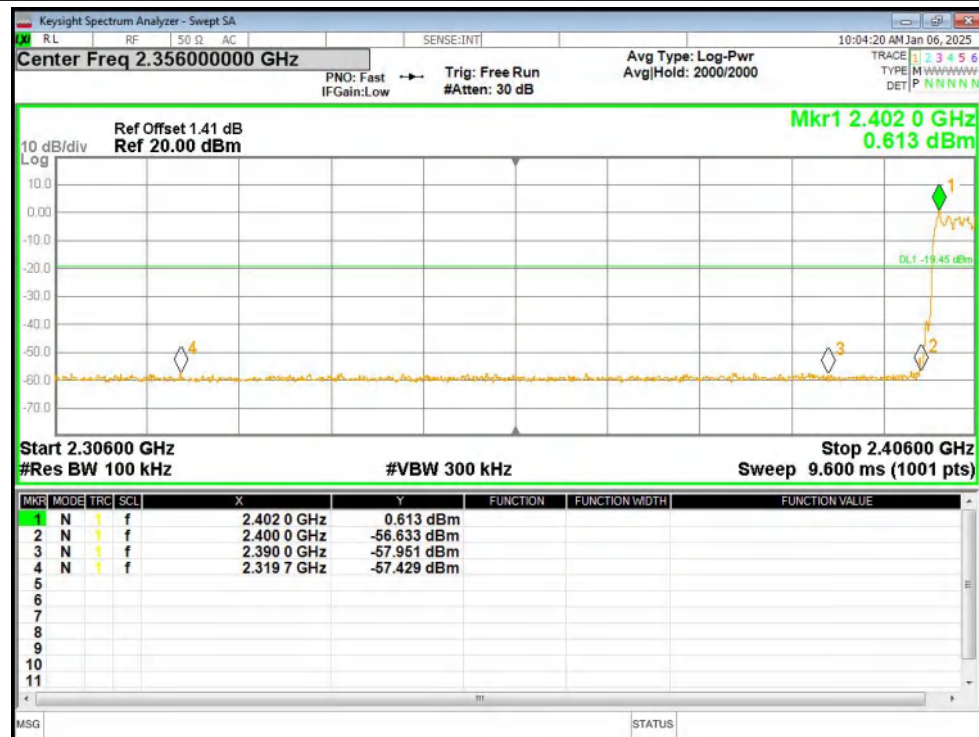
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission



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



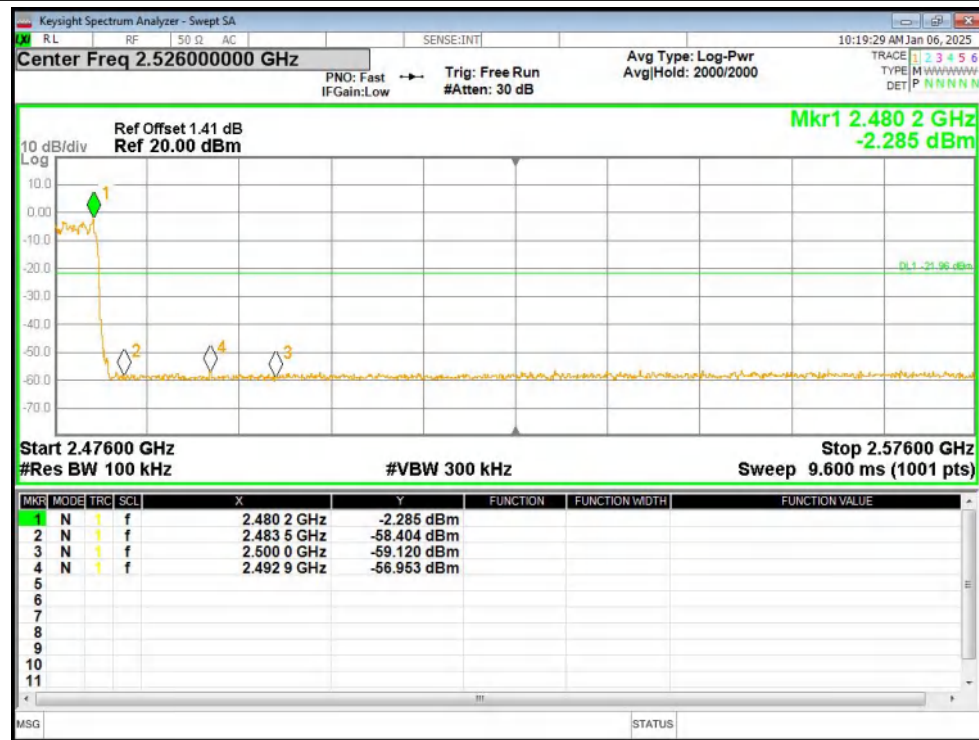
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission



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



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

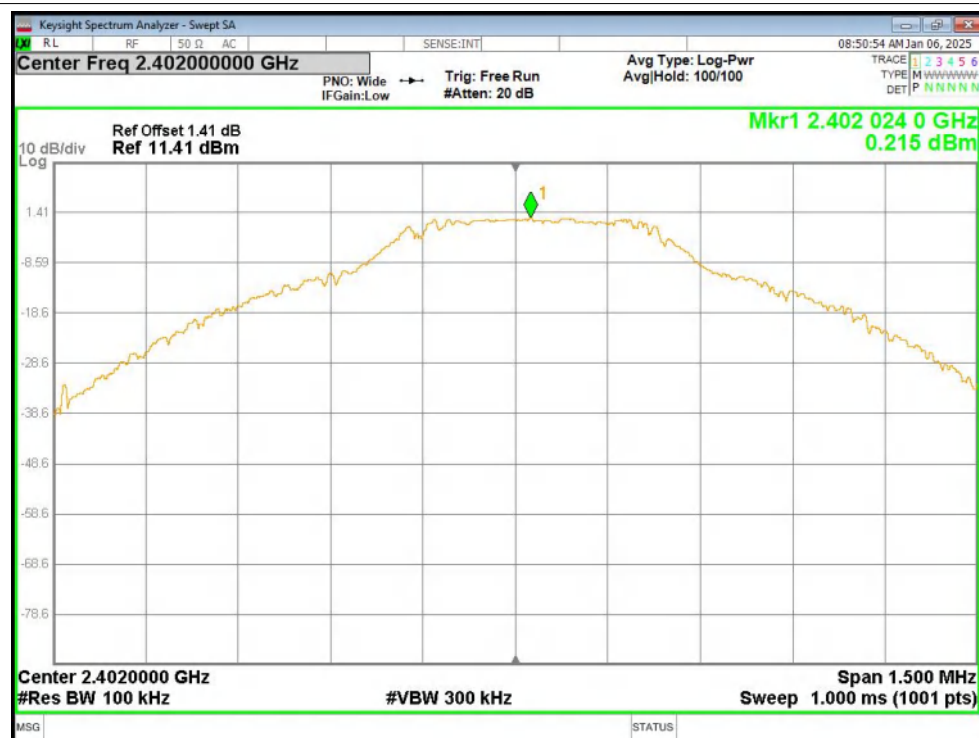


9. Conducted RF Spurious Emission

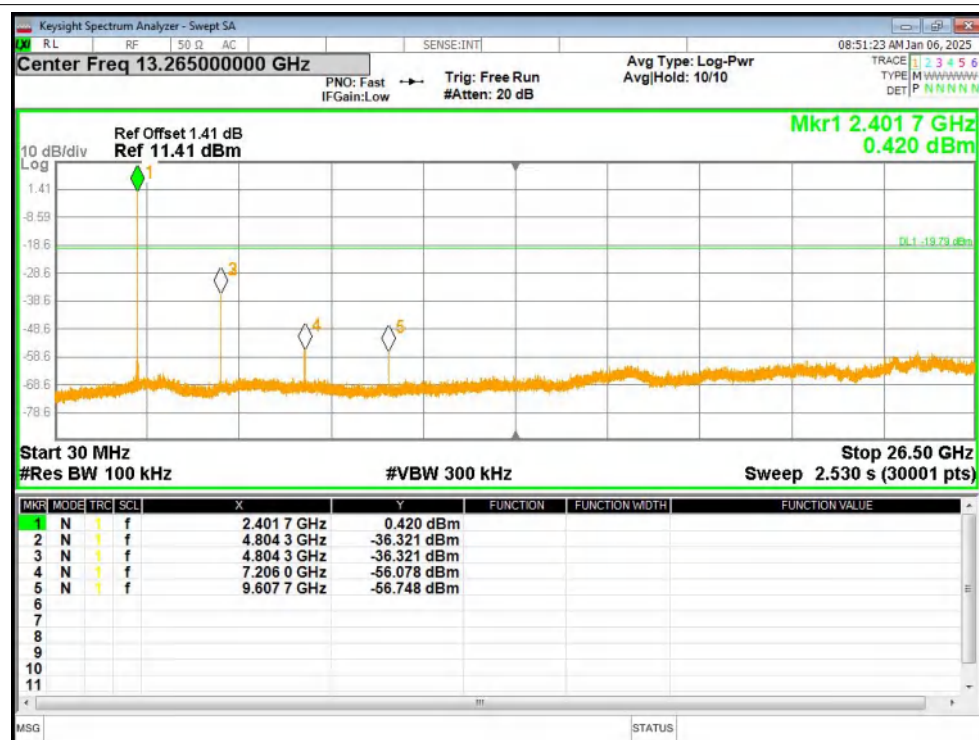
Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
1-DH5	2402	-36.54	-20	Pass
1-DH5	2441	-36.84	-20	Pass
1-DH5	2480	-38.98	-20	Pass
2-DH5	2402	-36.9	-20	Pass
2-DH5	2441	-40.67	-20	Pass
2-DH5	2480	-41.12	-20	Pass
3-DH5	2402	-37.03	-20	Pass
3-DH5	2441	-40.2	-20	Pass
3-DH5	2480	-36.58	-20	Pass

Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



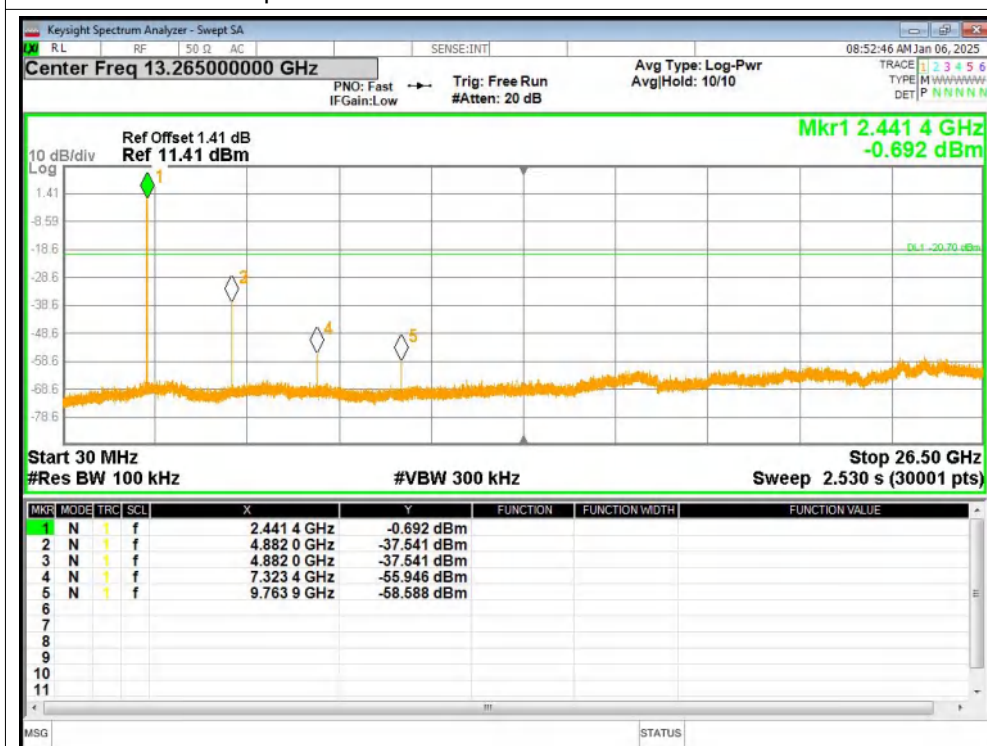
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



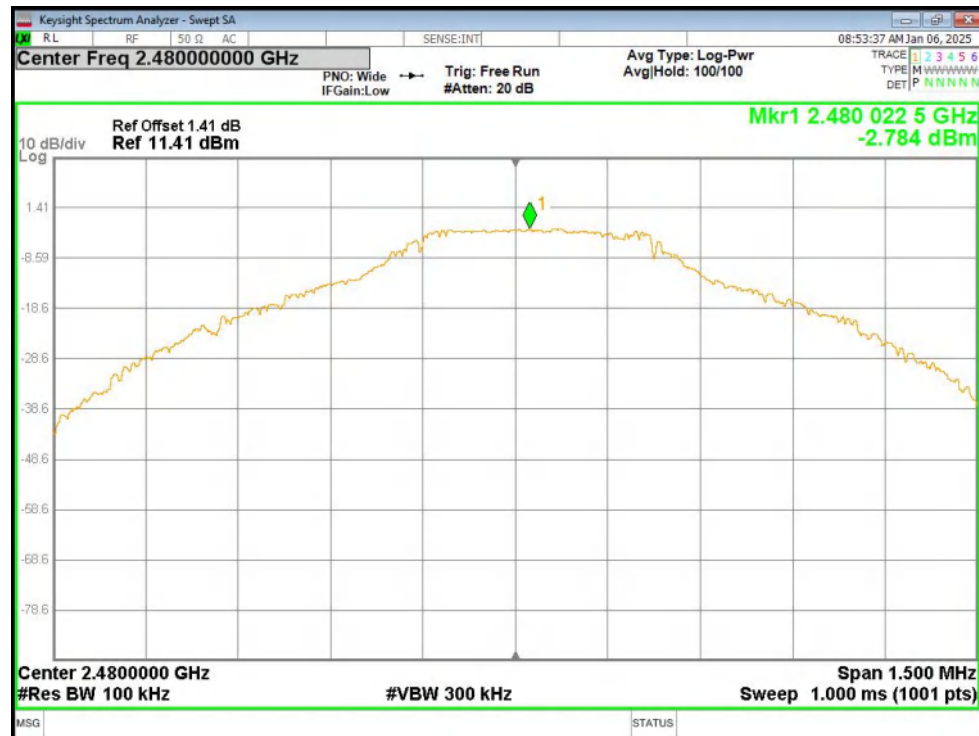
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



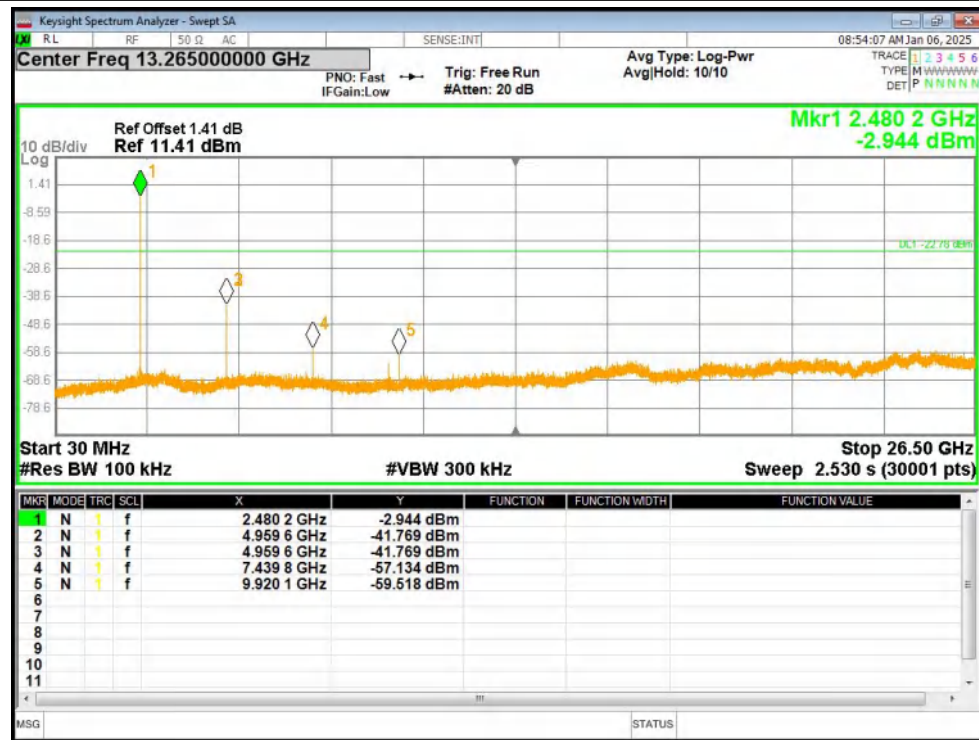
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



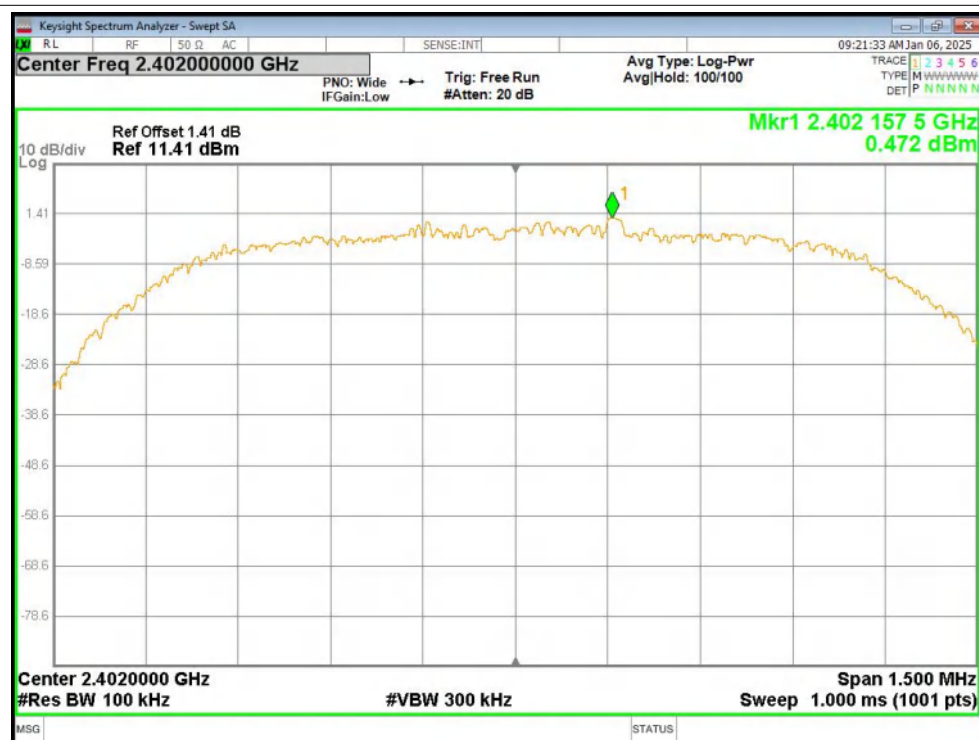
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



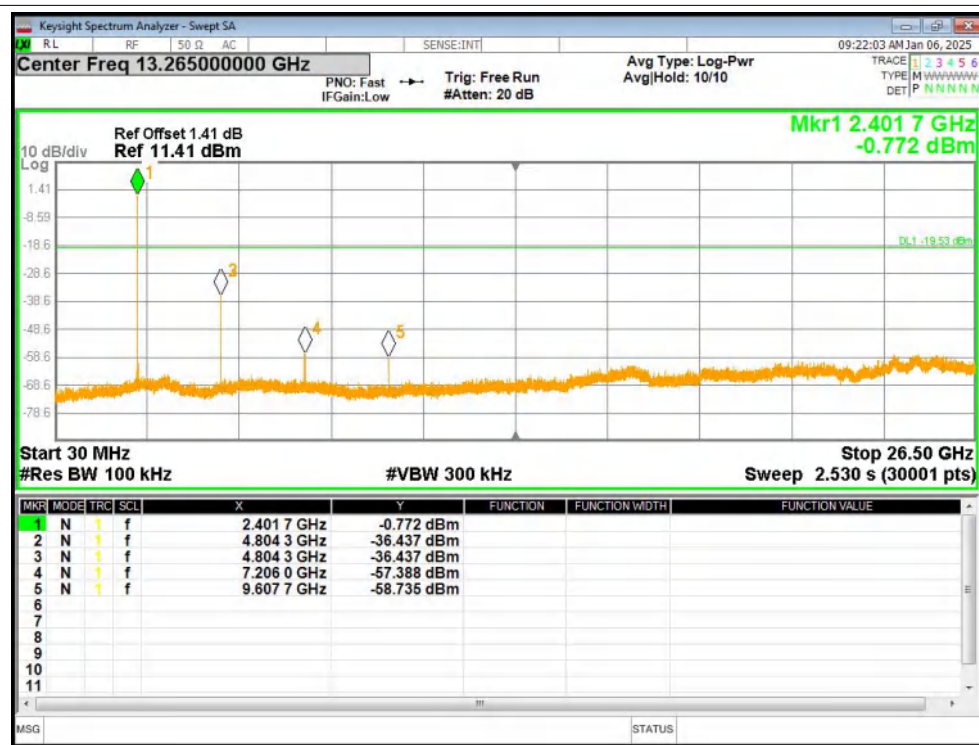
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



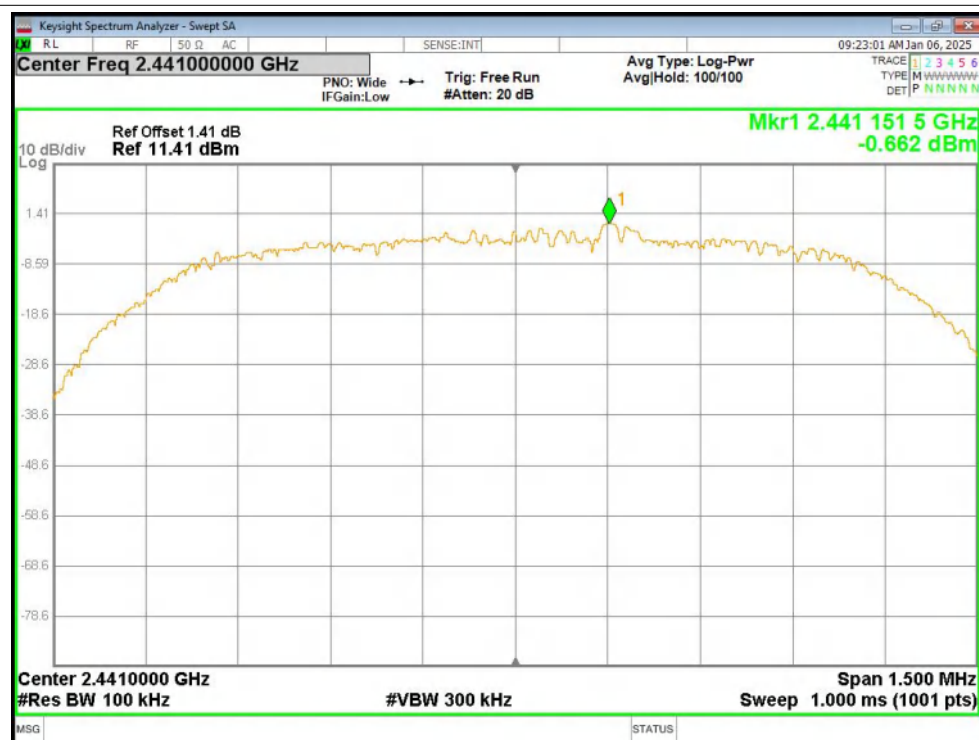
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



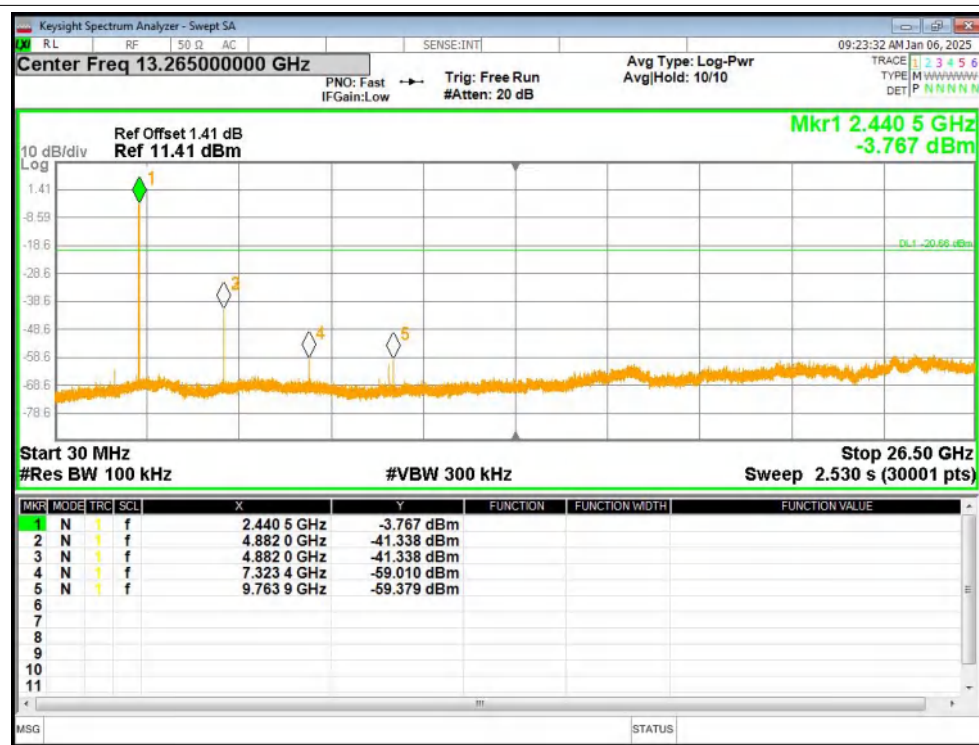
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



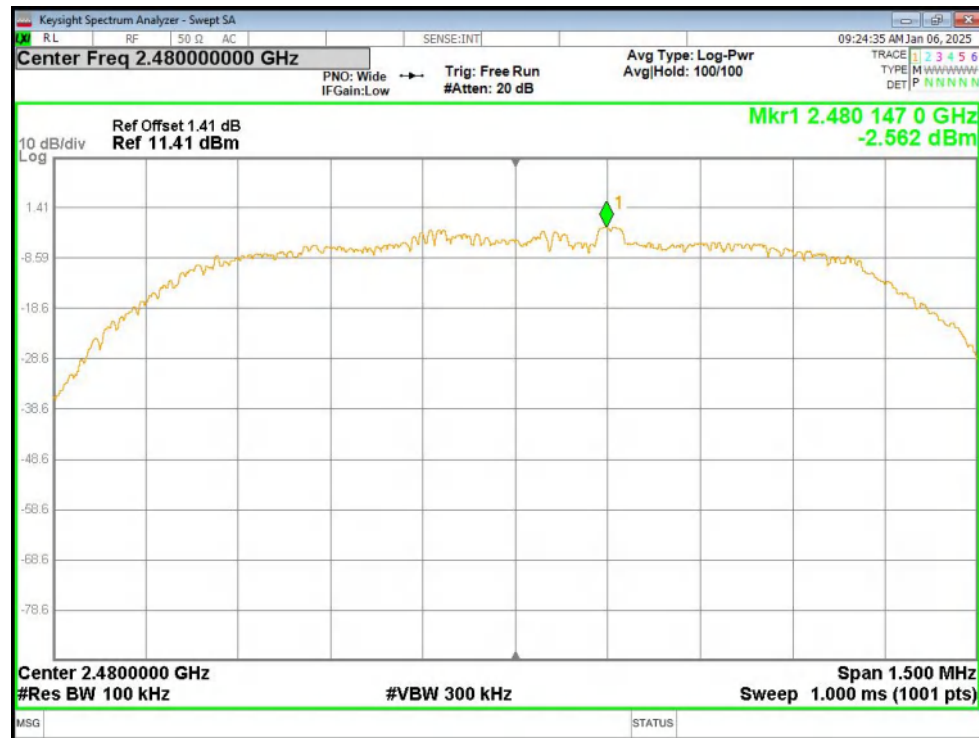
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



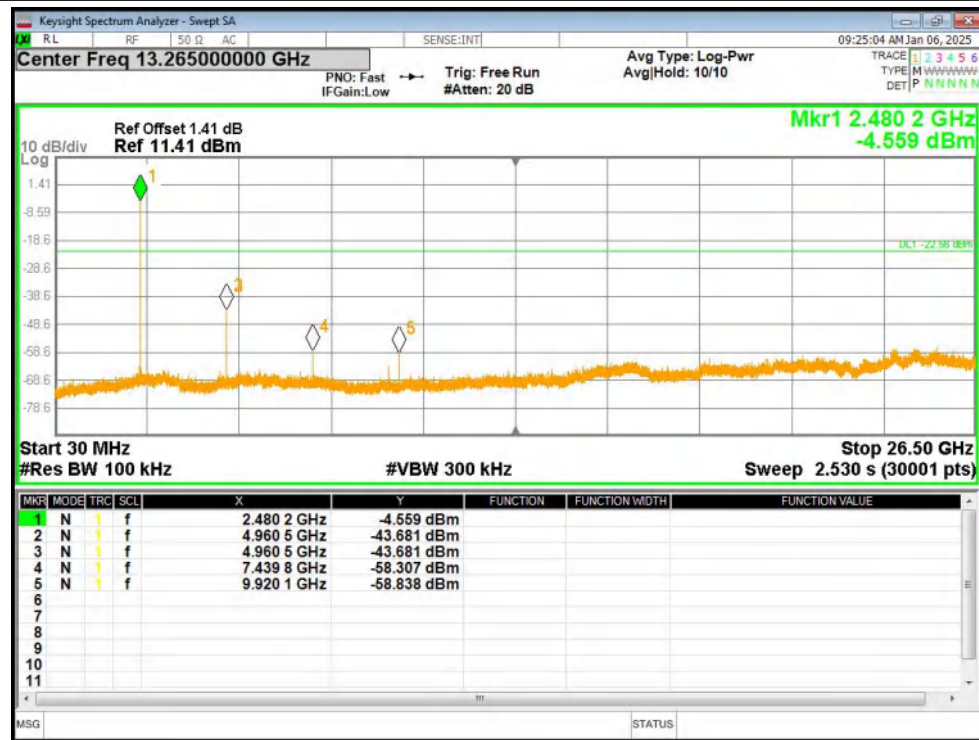
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



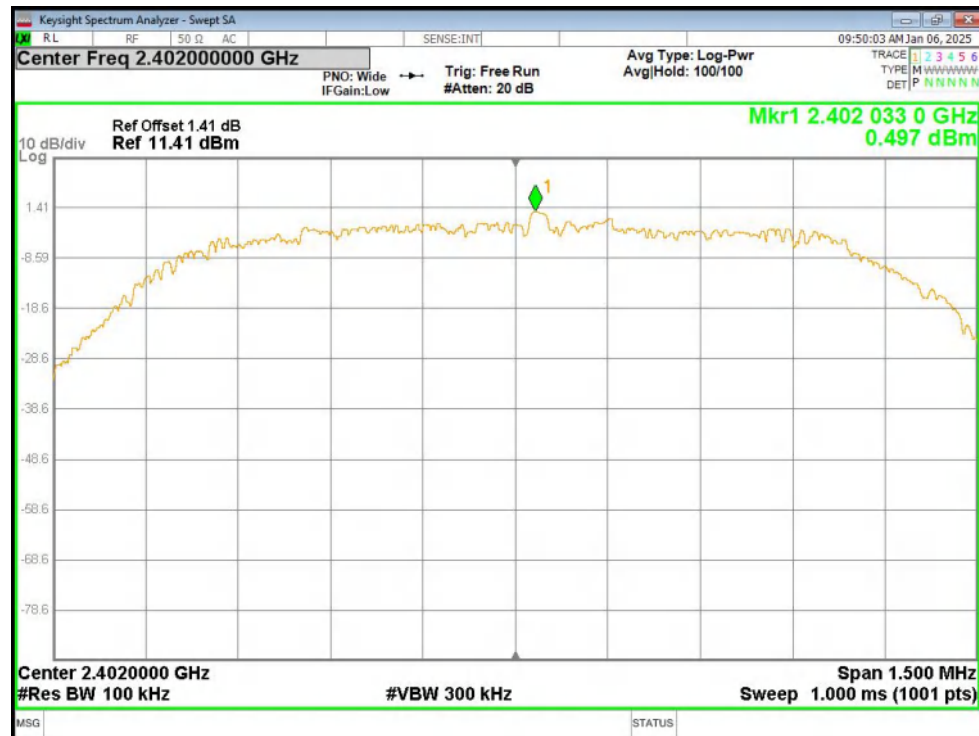
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



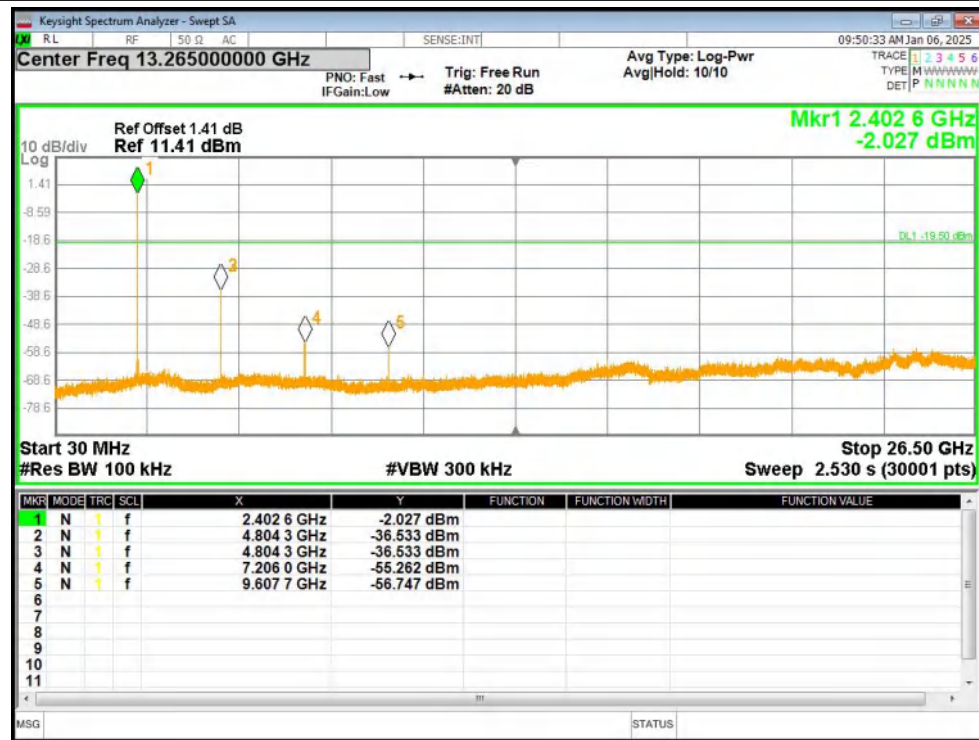
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission



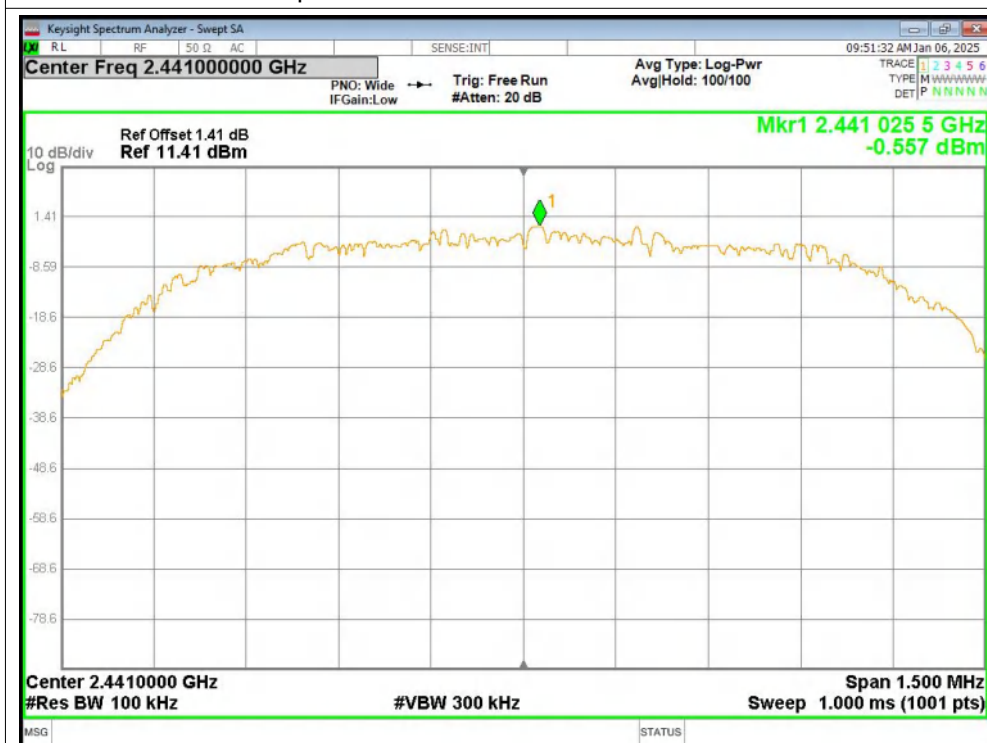
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



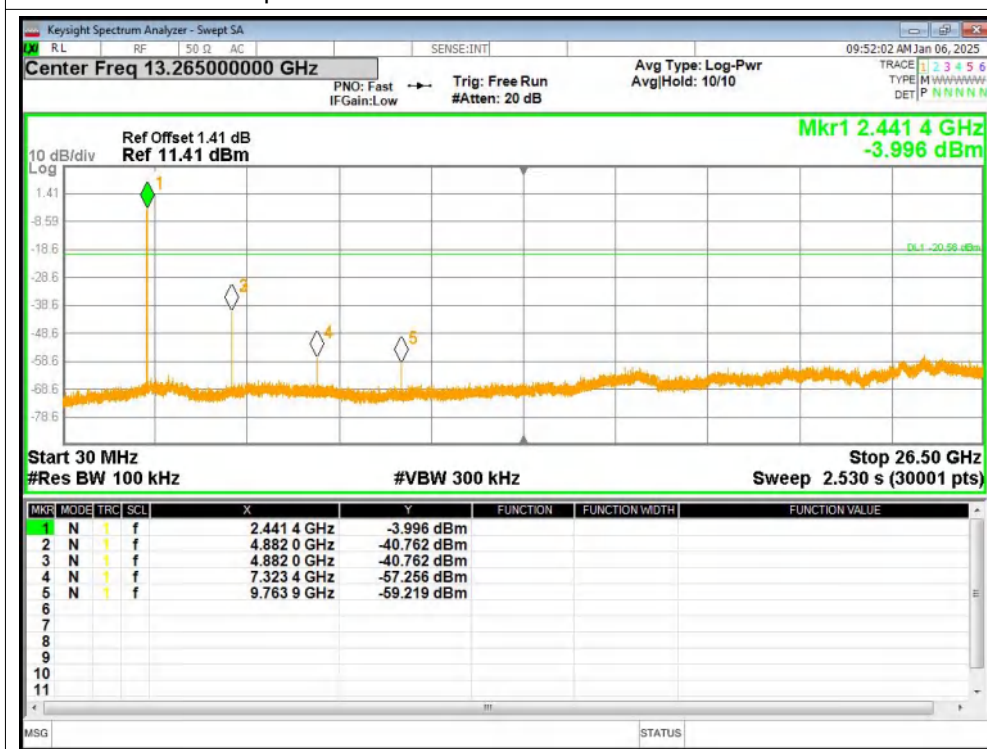
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission



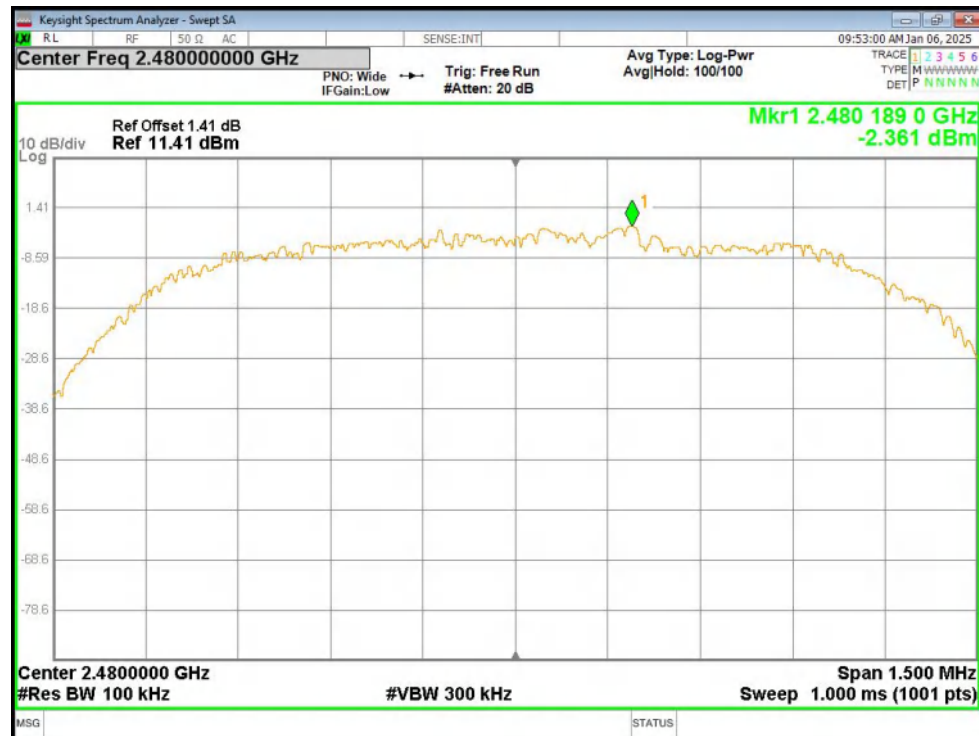
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission

