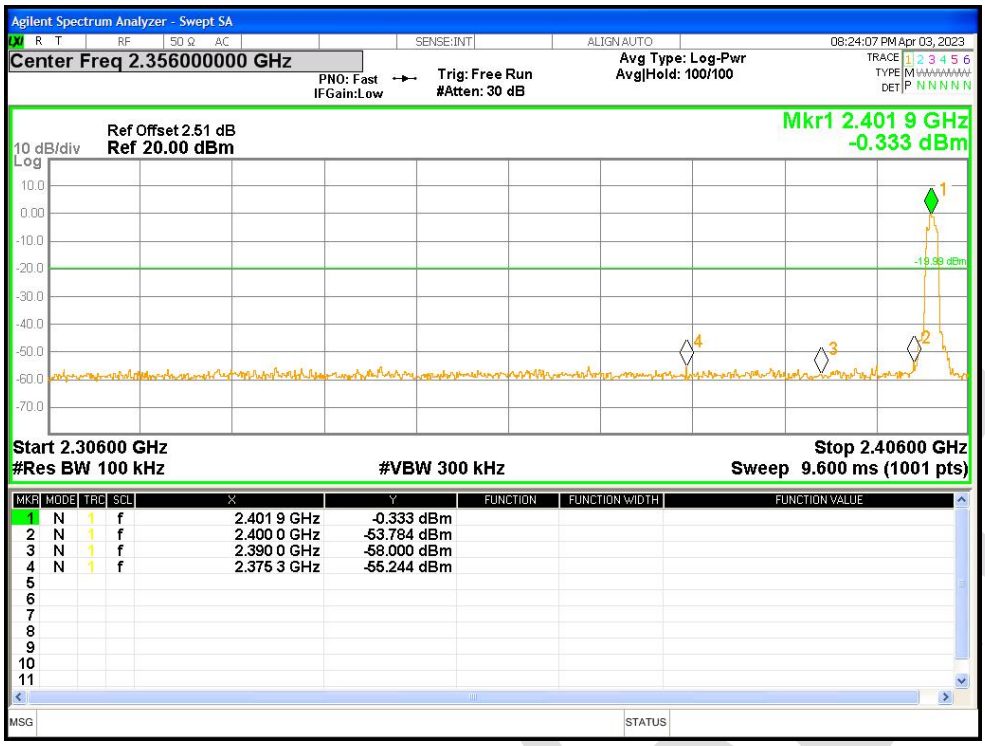
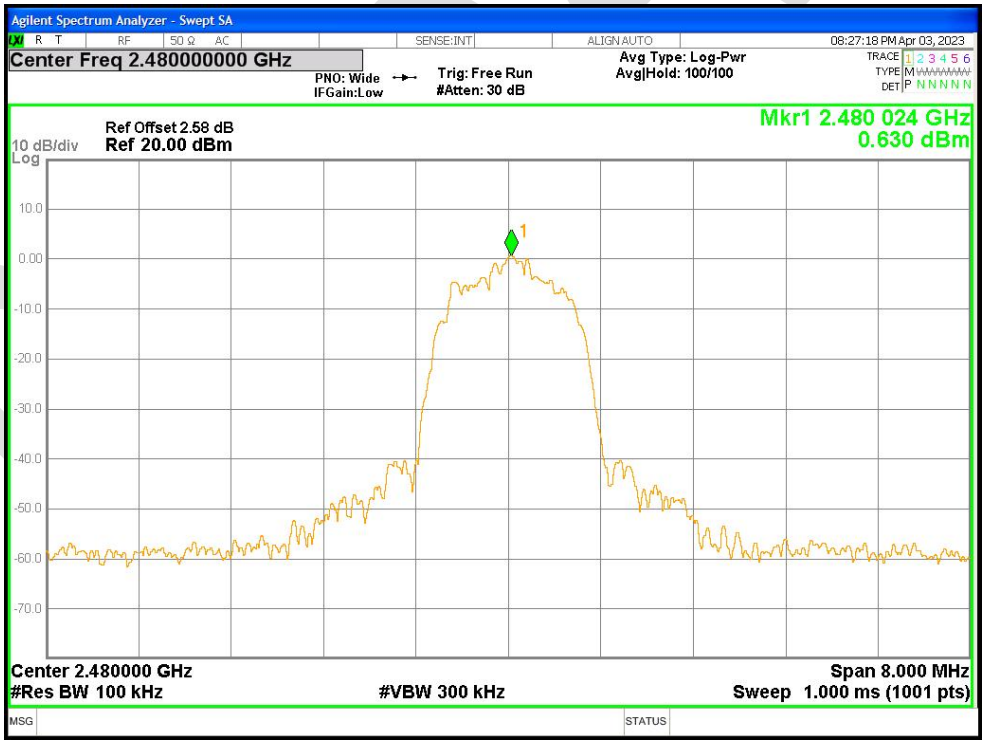
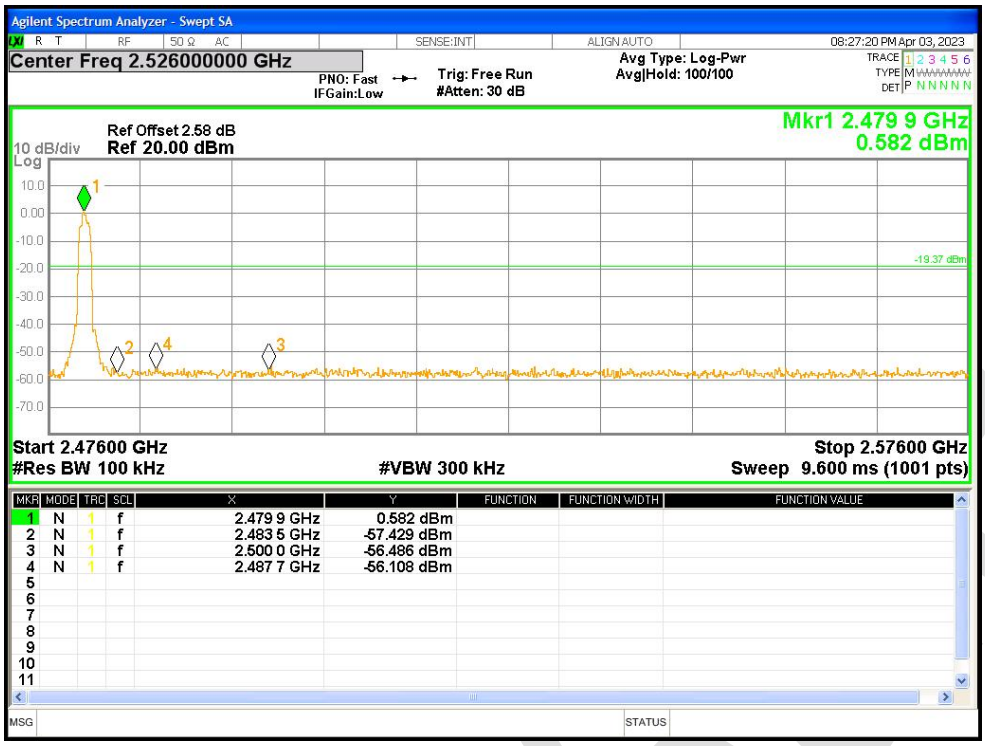


Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Ref



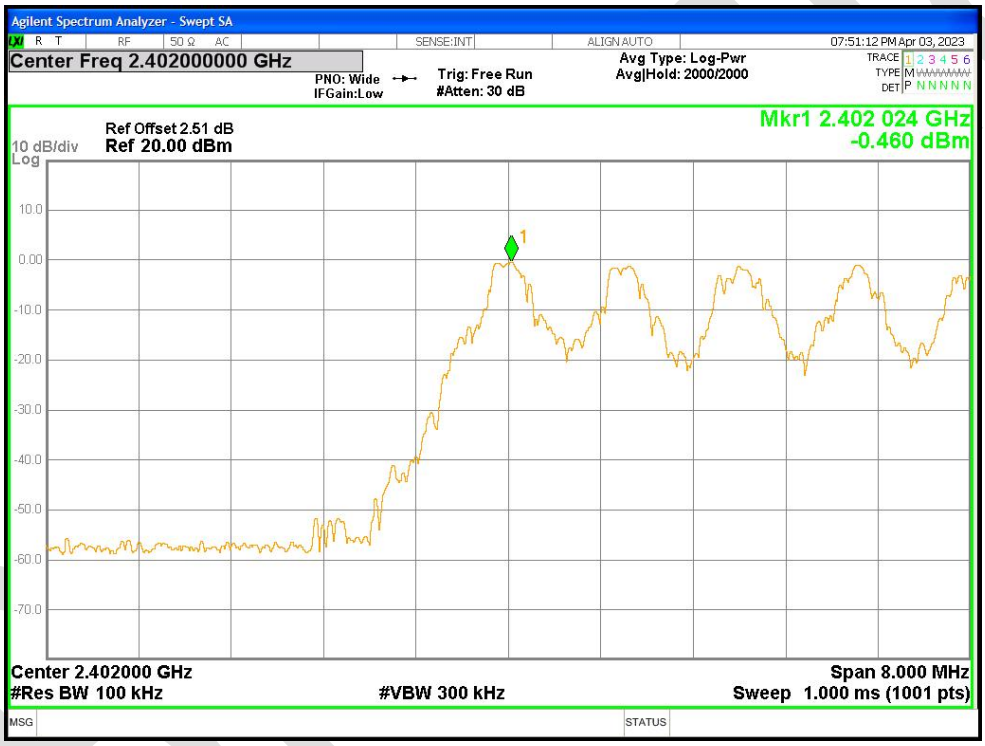
Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Emission


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.526000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 100/100
08:27:20 PM Apr 03, 2023
Ref Offset 2.58 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 2.479 9 GHz
0.582 dBm
-19.37 dBm
Start 2.47600 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.57600 GHz
Sweep 9.600 ms (1001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.479 9 GHz 0.582 dBm
2 N 1 f 2.483 5 GHz -57.429 dBm
3 N 1 f 2.500 0 GHz -56.486 dBm
4 N 1 f 2.487 7 GHz -56.108 dBm
MSG
STATUS

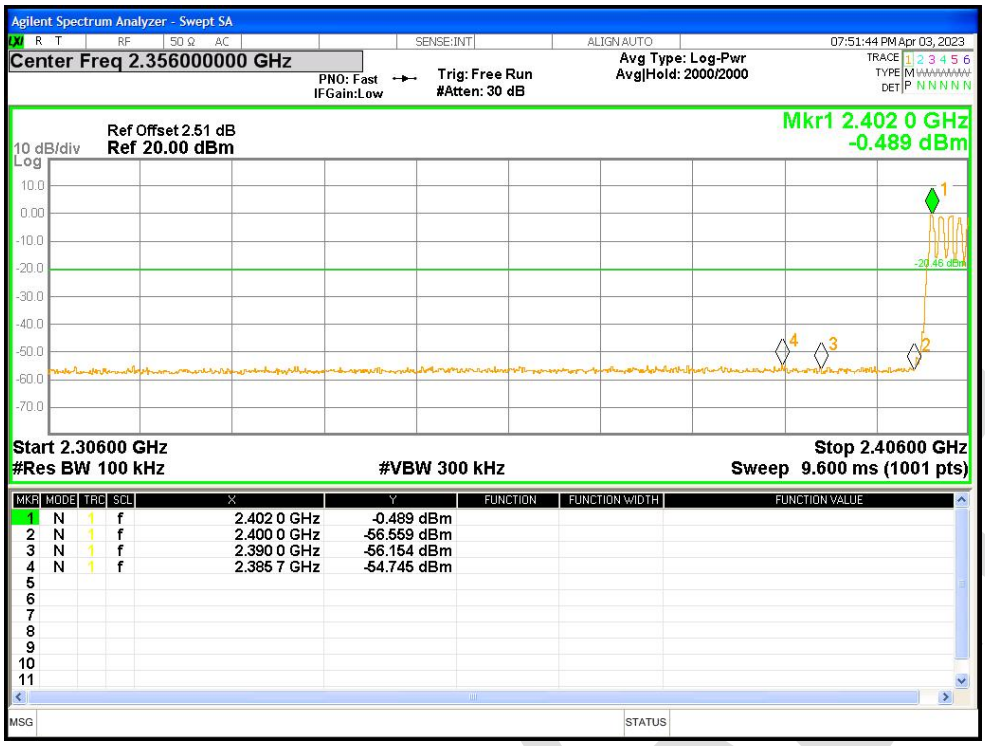
20.5 BAND EDGE(HOPPING)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-54.28	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-54.48	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-54.62	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-54.14	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-53.69	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-54.26	-20	Pass

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

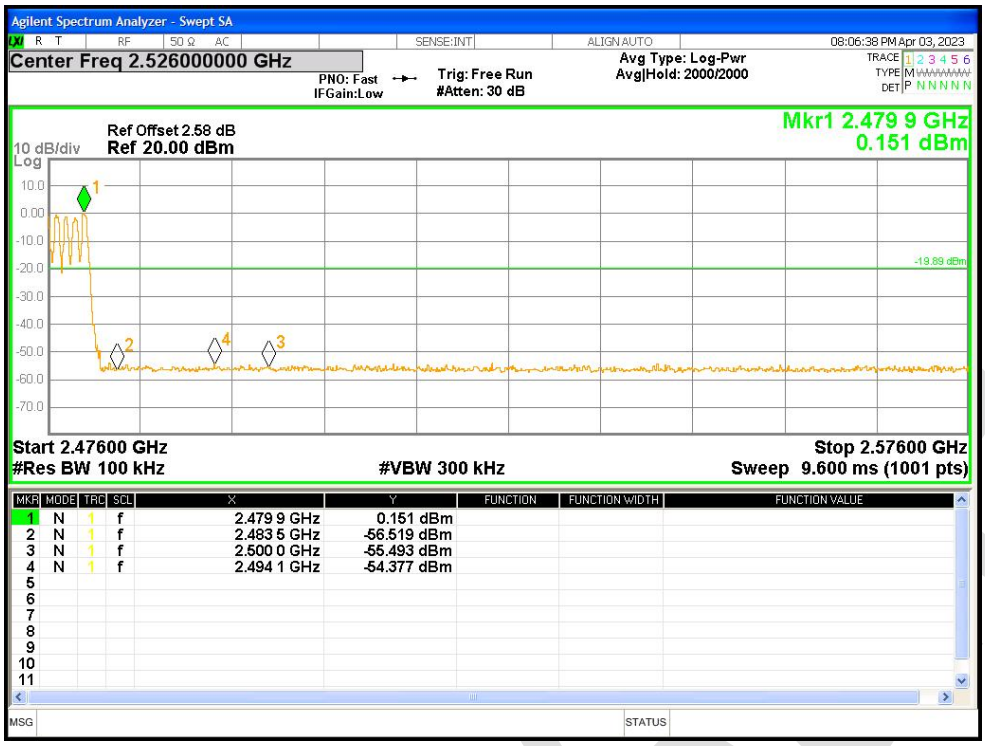


Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission

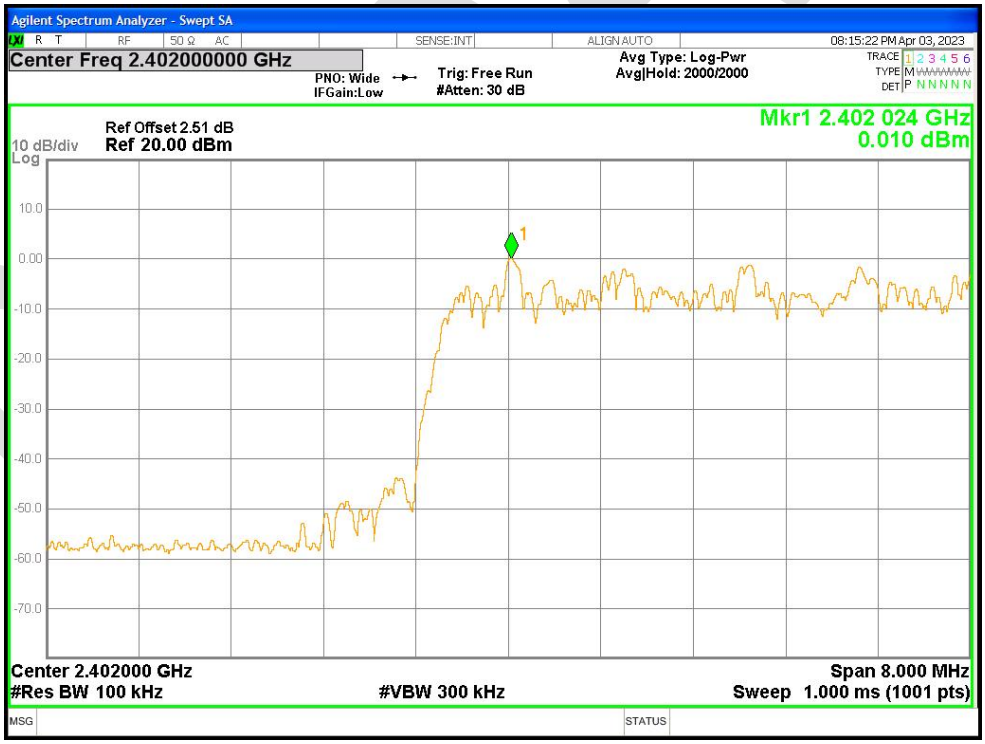


Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Ref

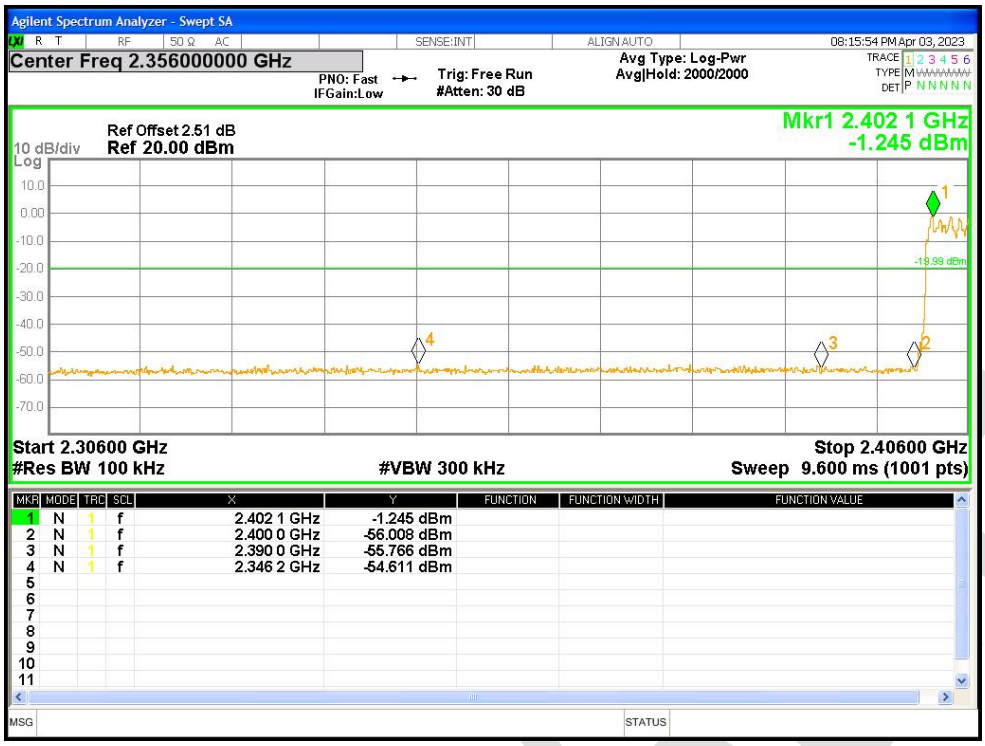
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission



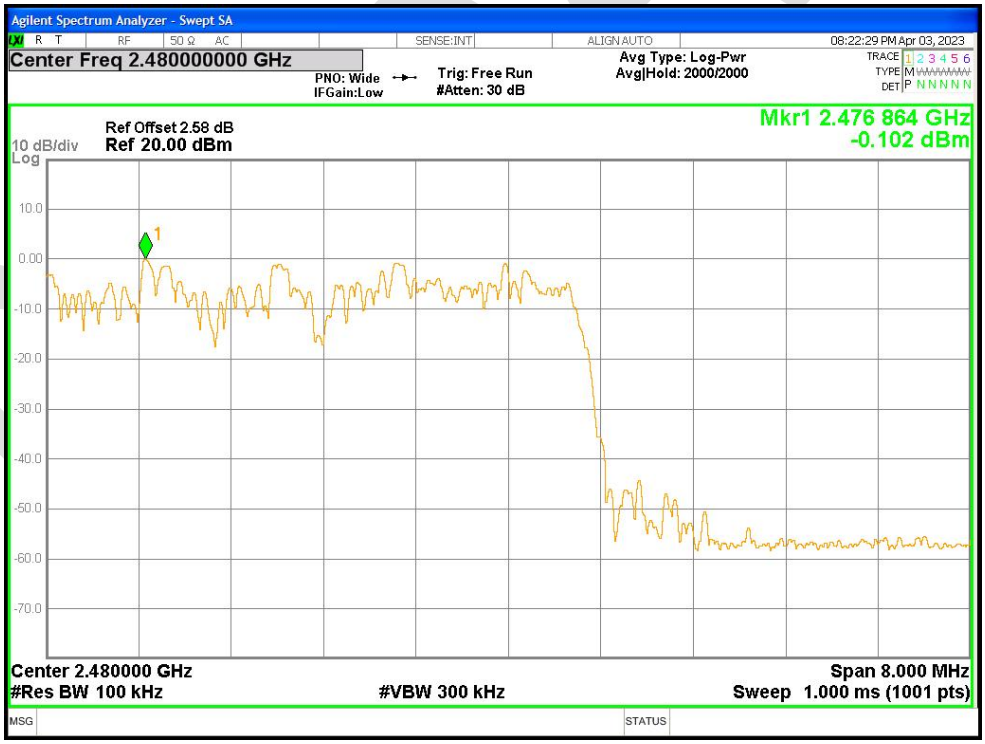
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Ref



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



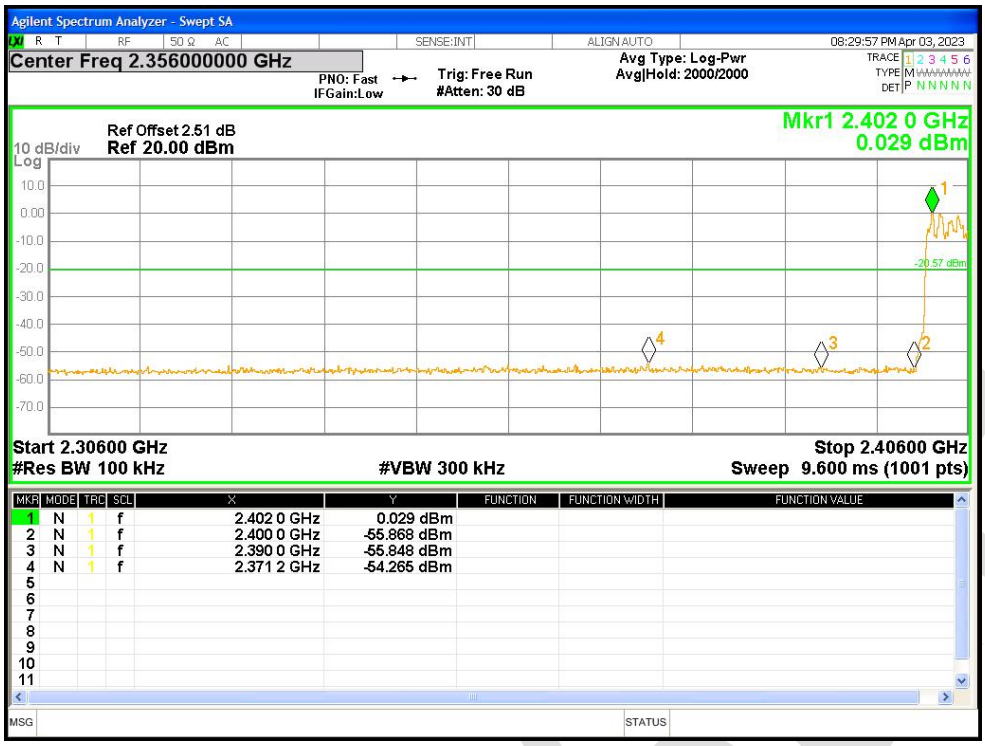
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Ref



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

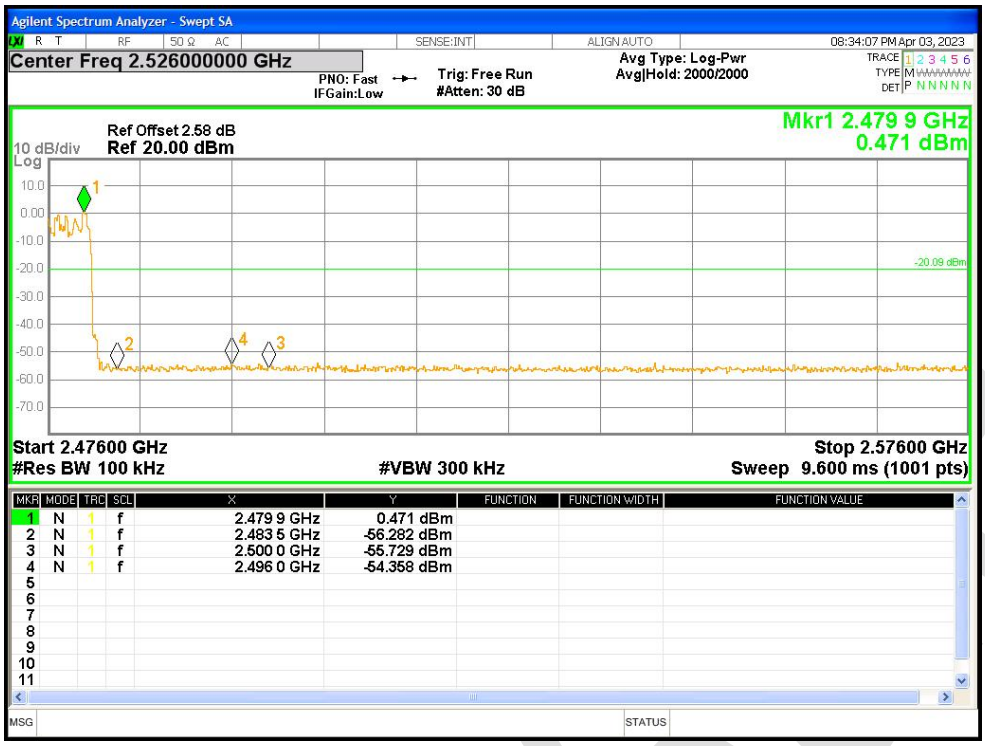
Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Ref

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



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

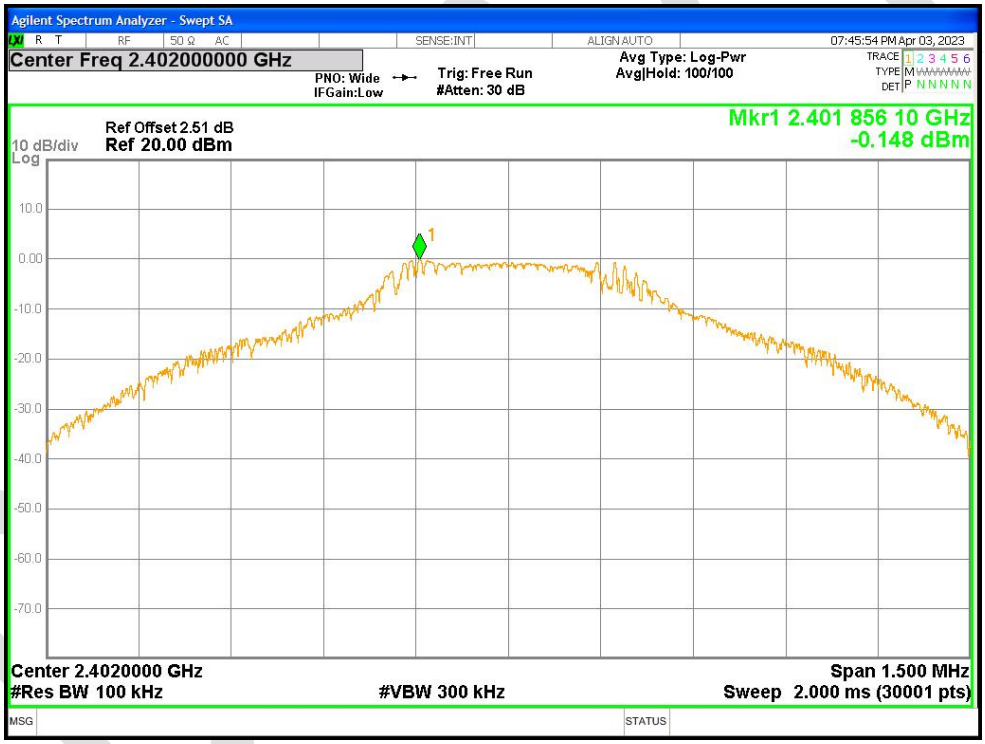
Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Emission


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.526000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 2000/2000
08:34:07 PM Apr 03, 2023
Ref Offset 2.58 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 2.479 9 GHz
0.471 dBm
-20.09 dBm
Start 2.47600 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.57600 GHz
Sweep 9.600 ms (1001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.479 9 GHz 0.471 dBm
2 N 1 f 2.483 5 GHz -56.282 dBm
3 N 1 f 2.500 0 GHz -55.729 dBm
4 N 1 f 2.496 0 GHz -54.358 dBm
MSG
STATUS

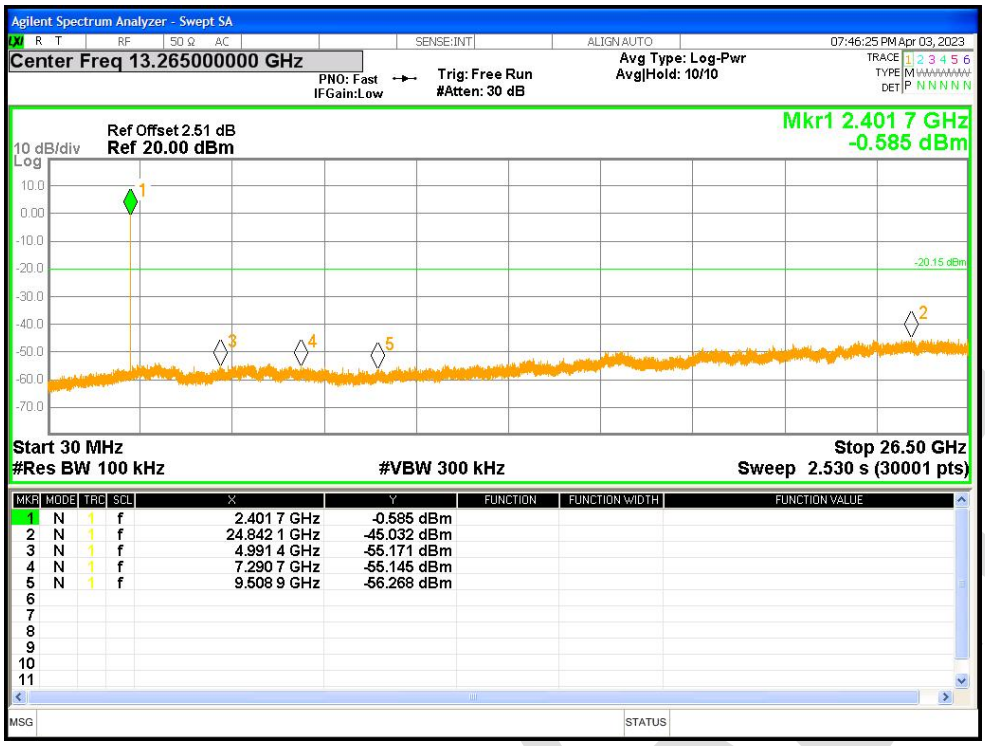
20.6 CONDUCTED RF SPURIOUS EMISSION

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-44.88	-20	Pass
NVNT	1-DH1	2441	Ant1	-43.98	-20	Pass
NVNT	1-DH1	2480	Ant1	-44.63	-20	Pass
NVNT	2-DH1	2402	Ant1	-45.2	-20	Pass
NVNT	2-DH1	2441	Ant1	-42.69	-20	Pass
NVNT	2-DH1	2480	Ant1	-45.07	-20	Pass
NVNT	3-DH1	2402	Ant1	-45.02	-20	Pass
NVNT	3-DH1	2441	Ant1	-42.34	-20	Pass
NVNT	3-DH1	2480	Ant1	-45.45	-20	Pass

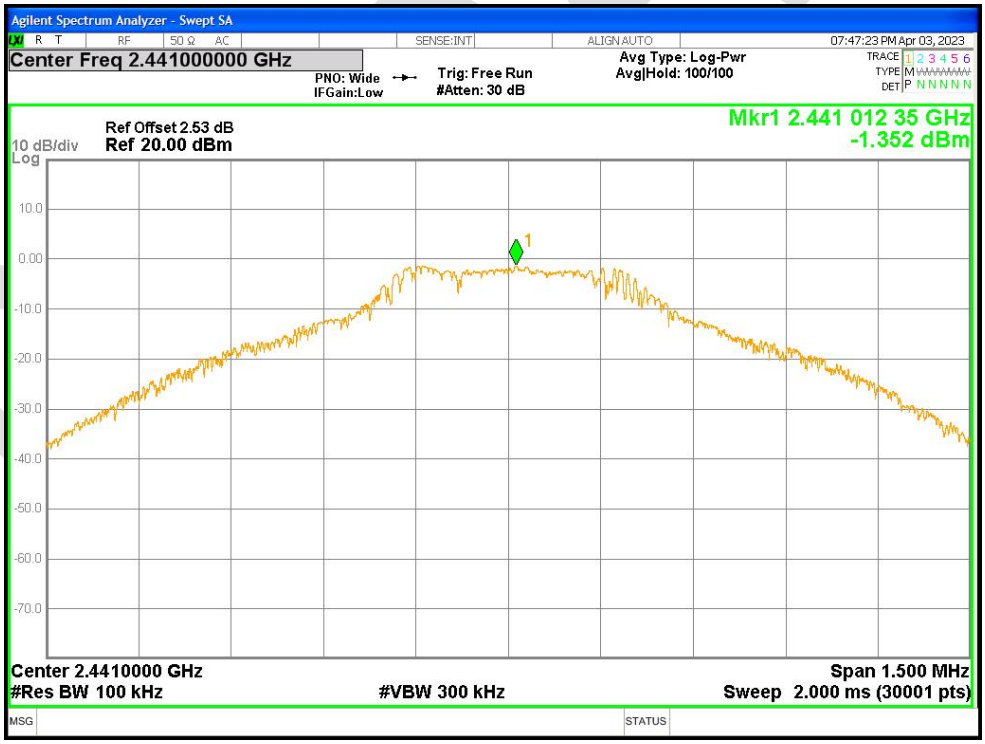
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



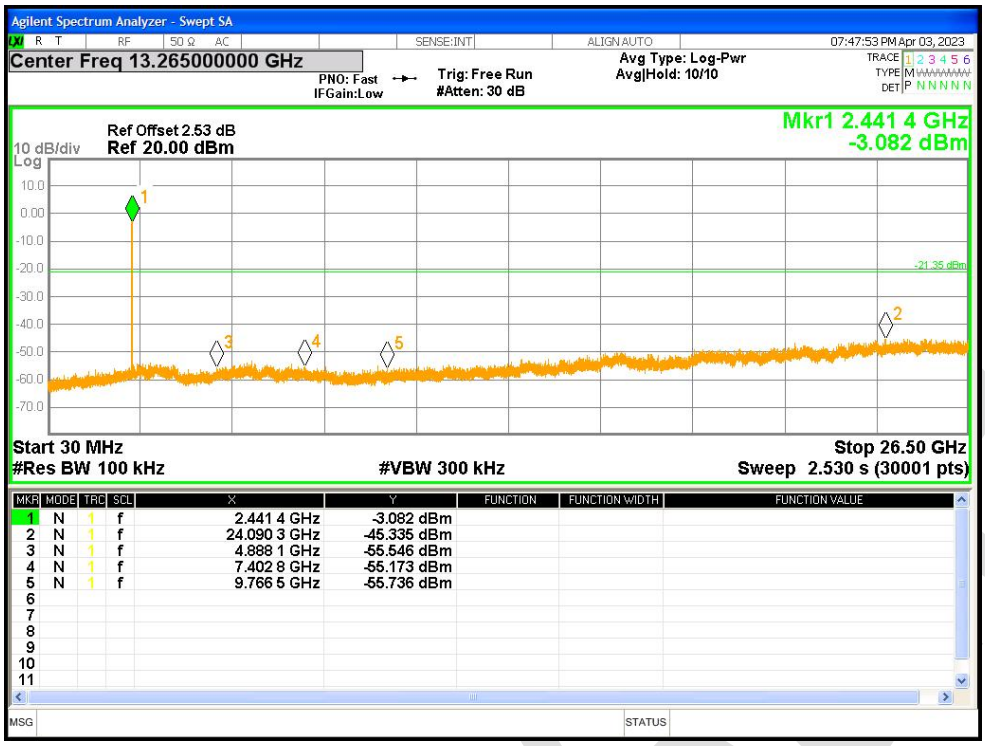
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission



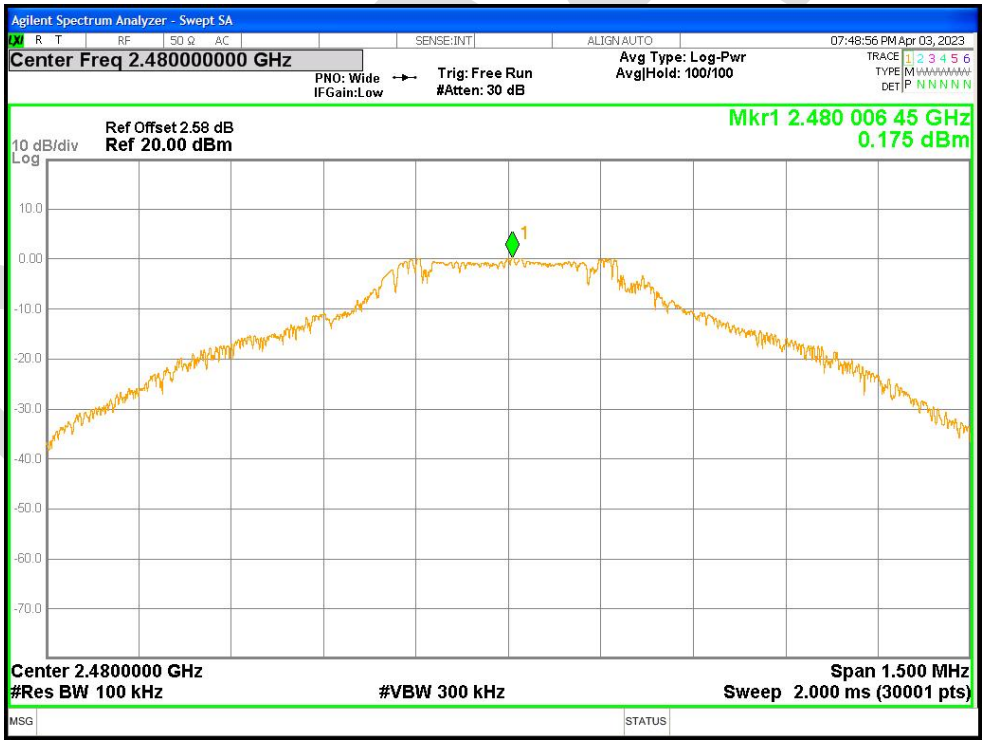
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



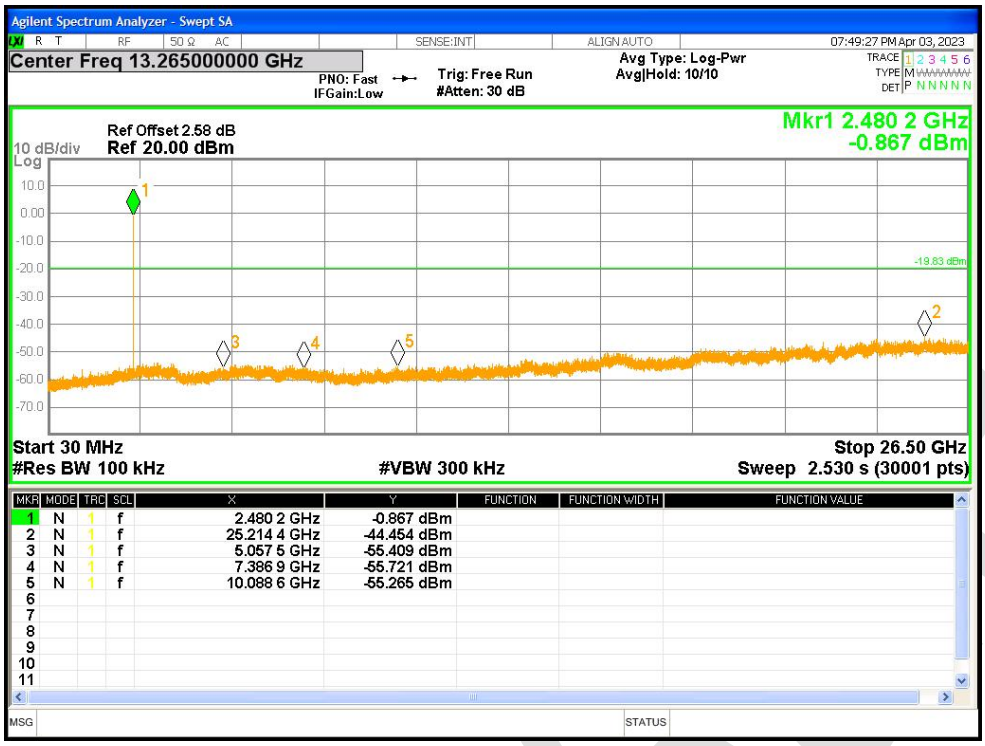
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



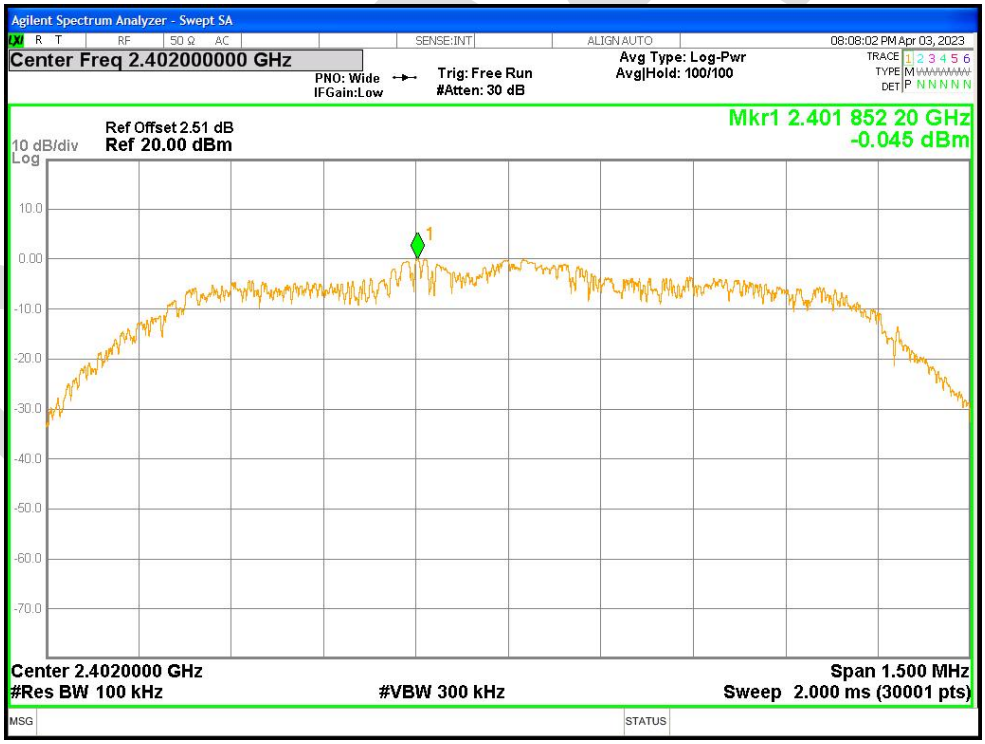
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref



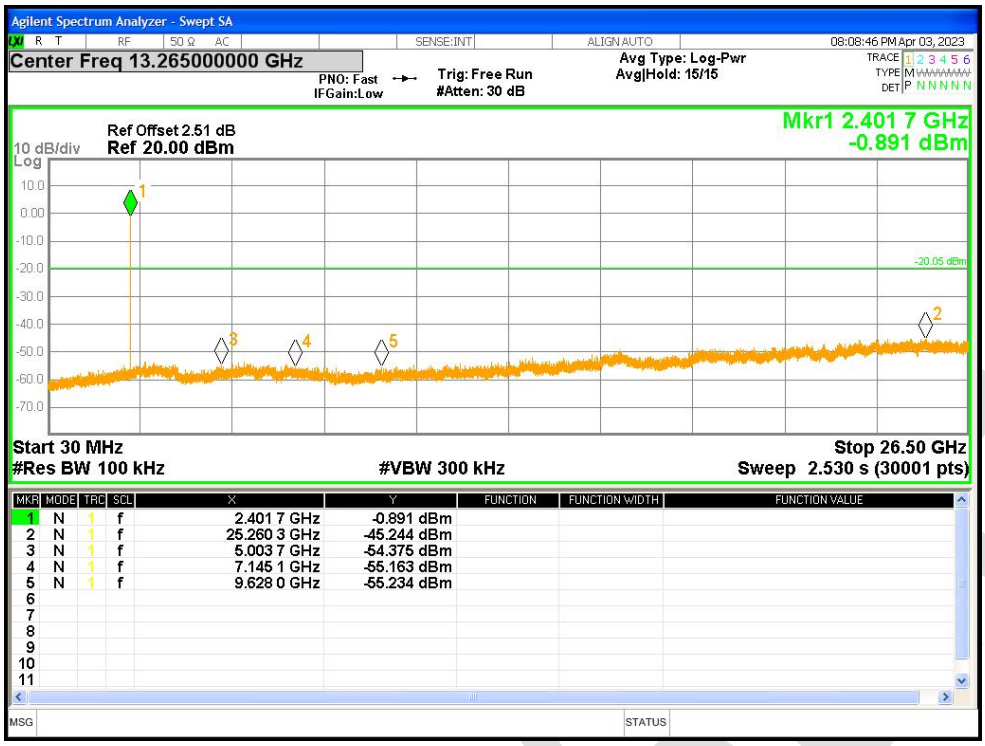
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission



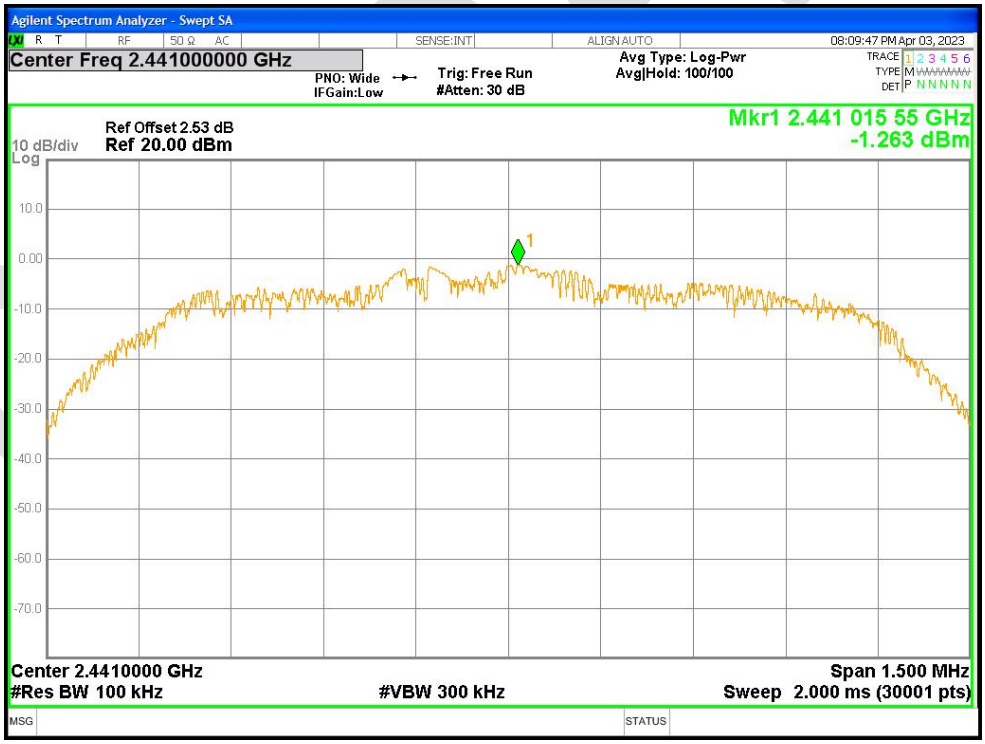
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref



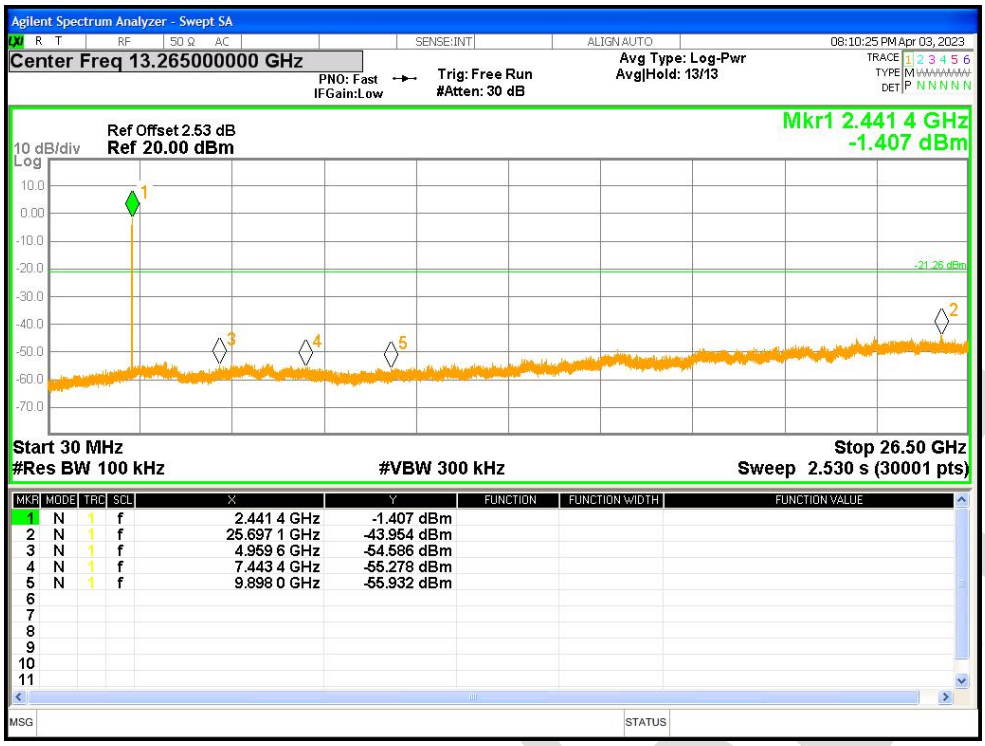
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission



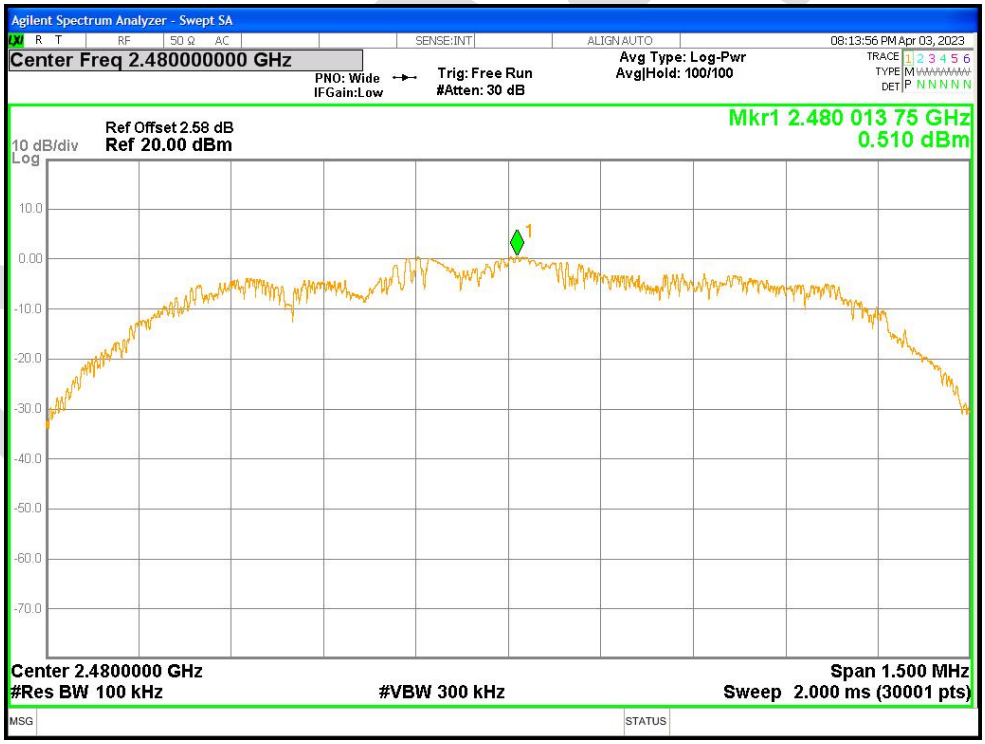
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



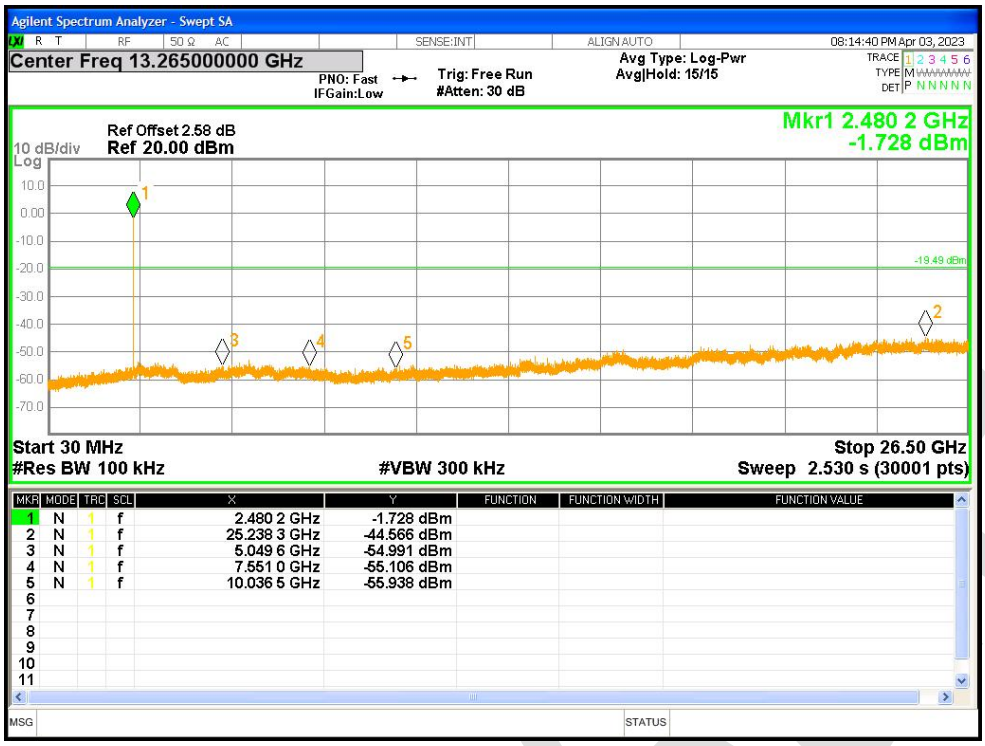
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



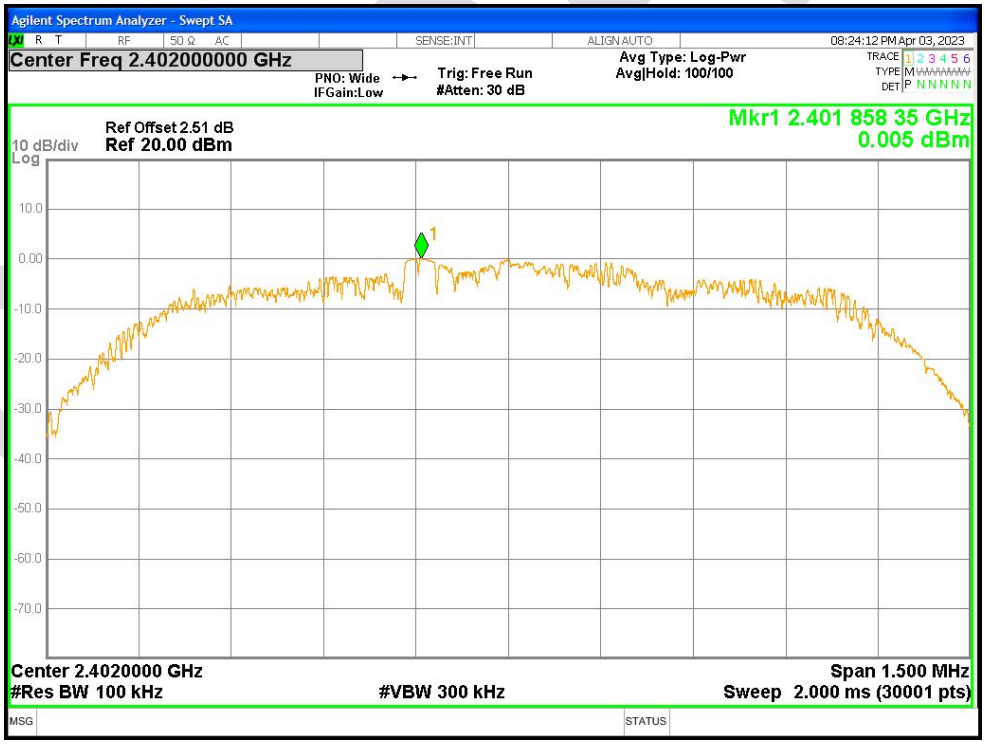
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref



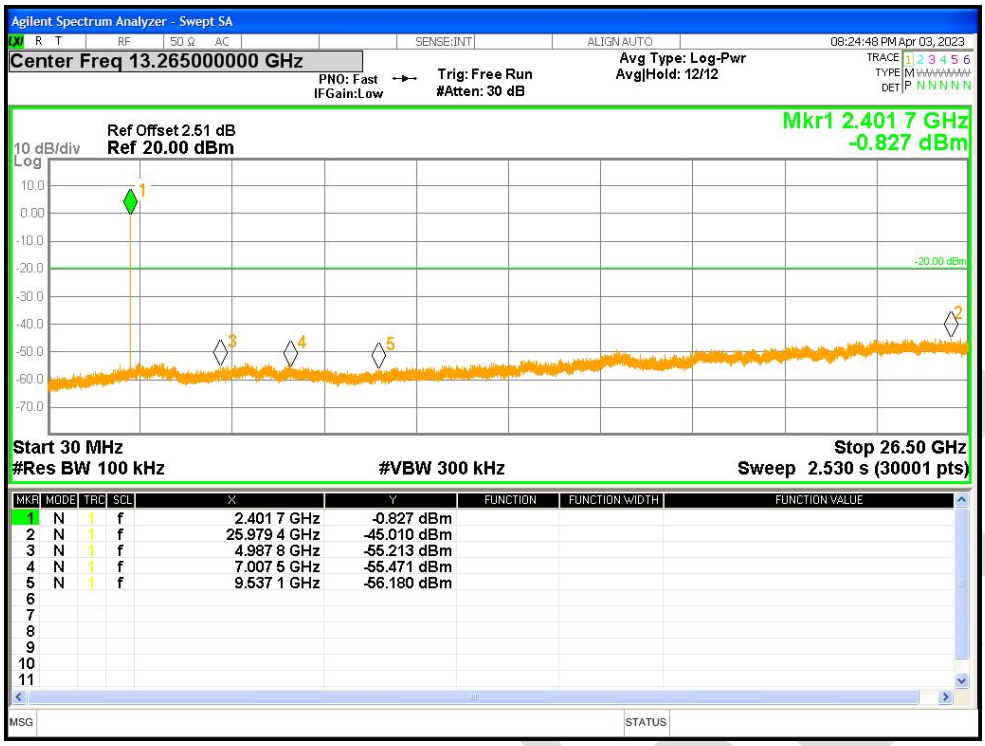
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission



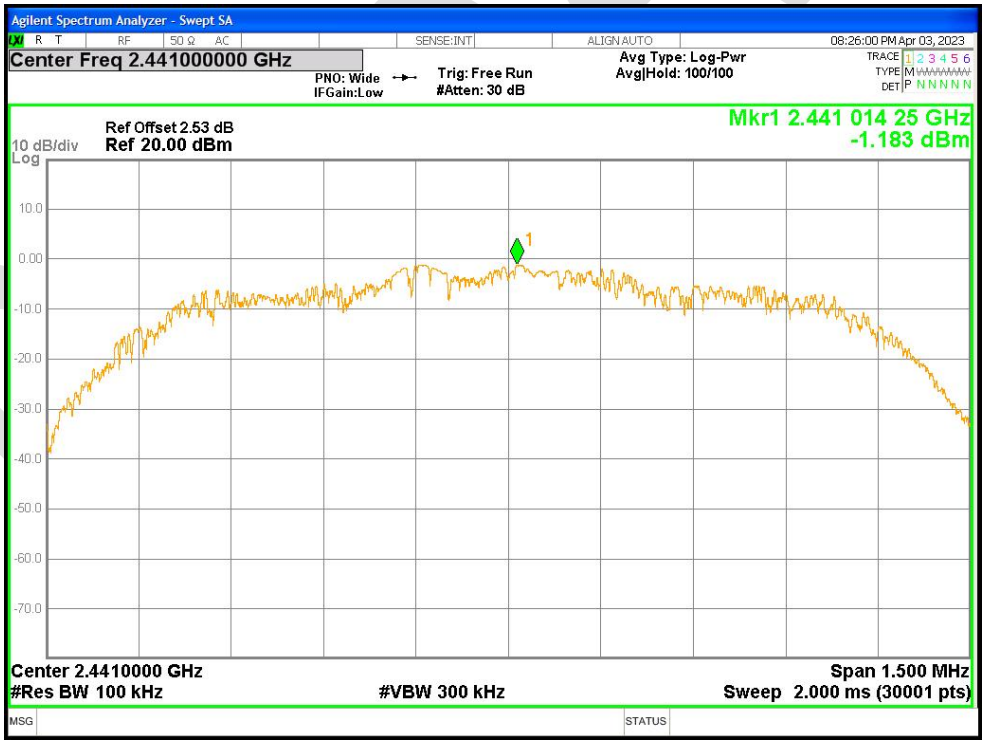
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Ref



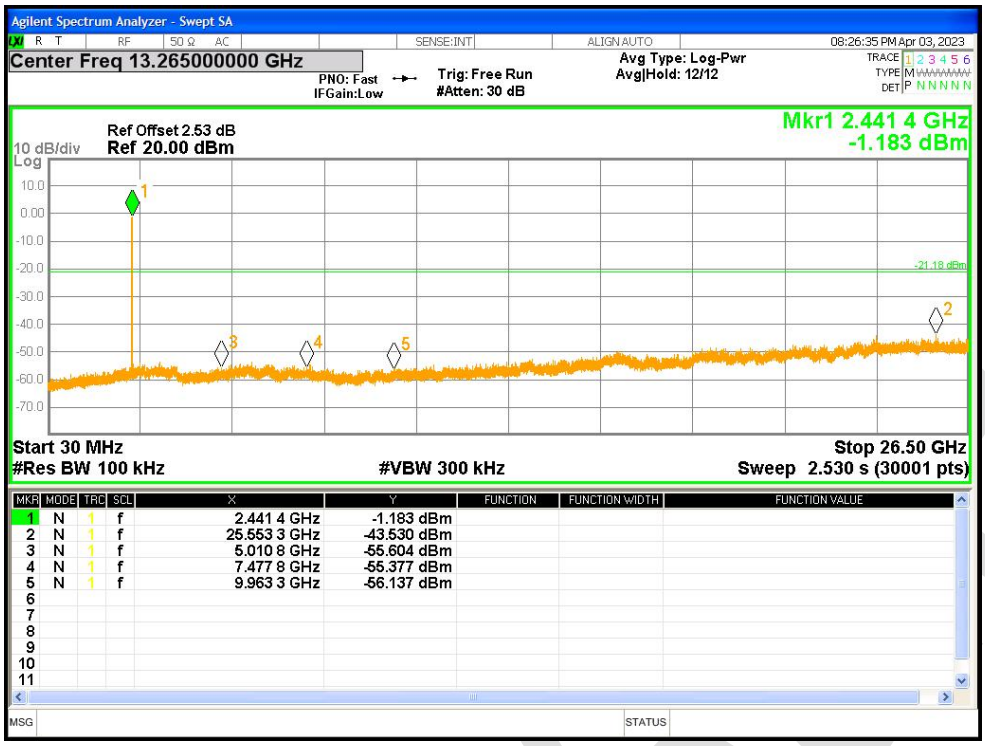
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Emission



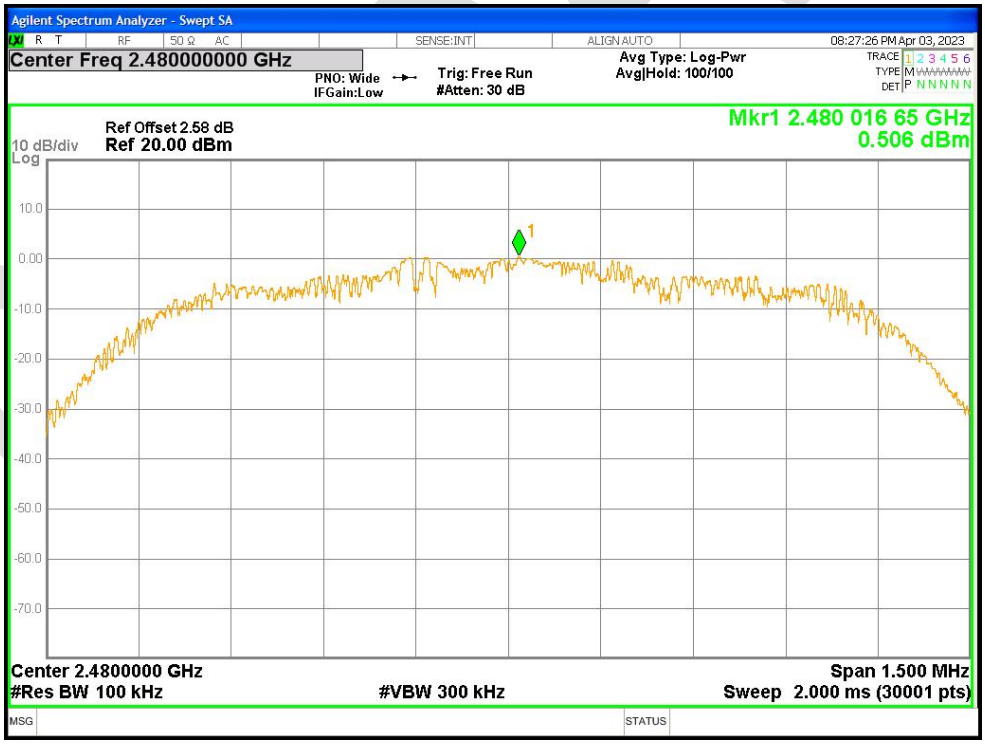
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Ref



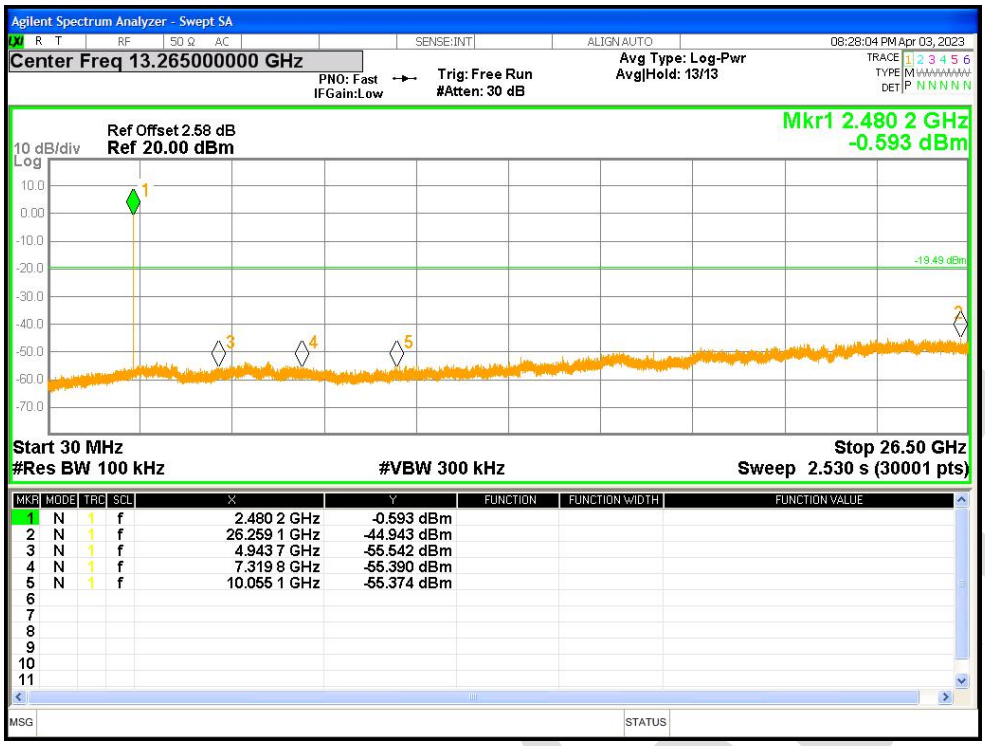
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref



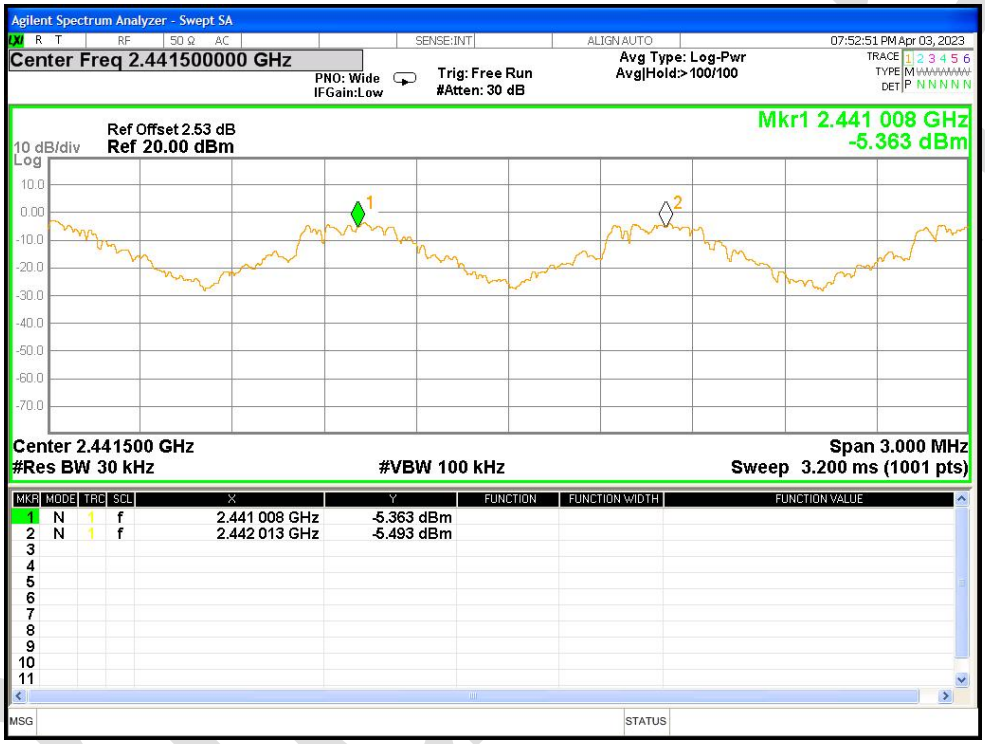
Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission


Agilent Spectrum Analyzer - Swept SA
Center Freq 13.265000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 13/13
08:28:04 PM Apr 03, 2023
Ref Offset 2.58 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 2.480 2 GHz
-0.593 dBm
-19.49 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (30001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.480 2 GHz -0.593 dBm
2 N 1 f 26.259 1 GHz -44.943 dBm
3 N 1 f 4.943 7 GHz -55.542 dBm
4 N 1 f 7.319 8 GHz -55.390 dBm
5 N 1 f 10.055 1 GHz -55.374 dBm
MSG
STATUS

20.7 CARRIER FREQUENCIES SEPARATION

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH1	Ant1	2441.008	2442.013	1.005	0.862	Pass
NVNT	2-DH1	Ant1	2440.9075	2441.9935	1.086	0.836	Pass
NVNT	3-DH1	Ant1	2440.99	2442.085	1.095	0.825	Pass

CFS NVNT 1-DH1 2441MHz Ant1



CFS NVNT 2-DH1 2441MHz Ant1