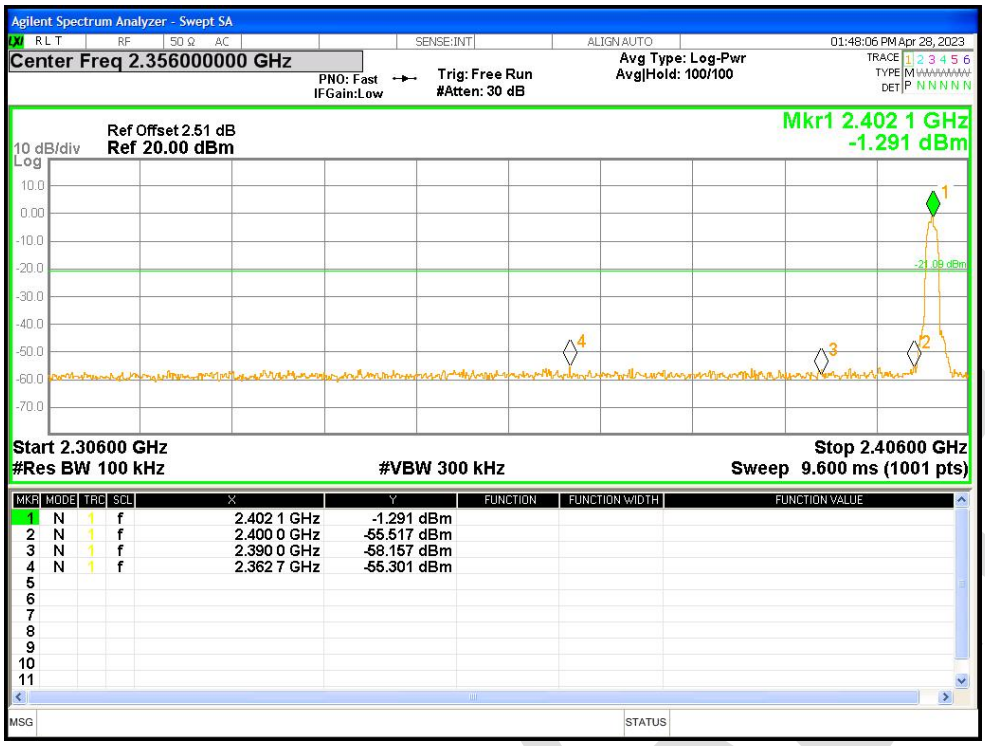
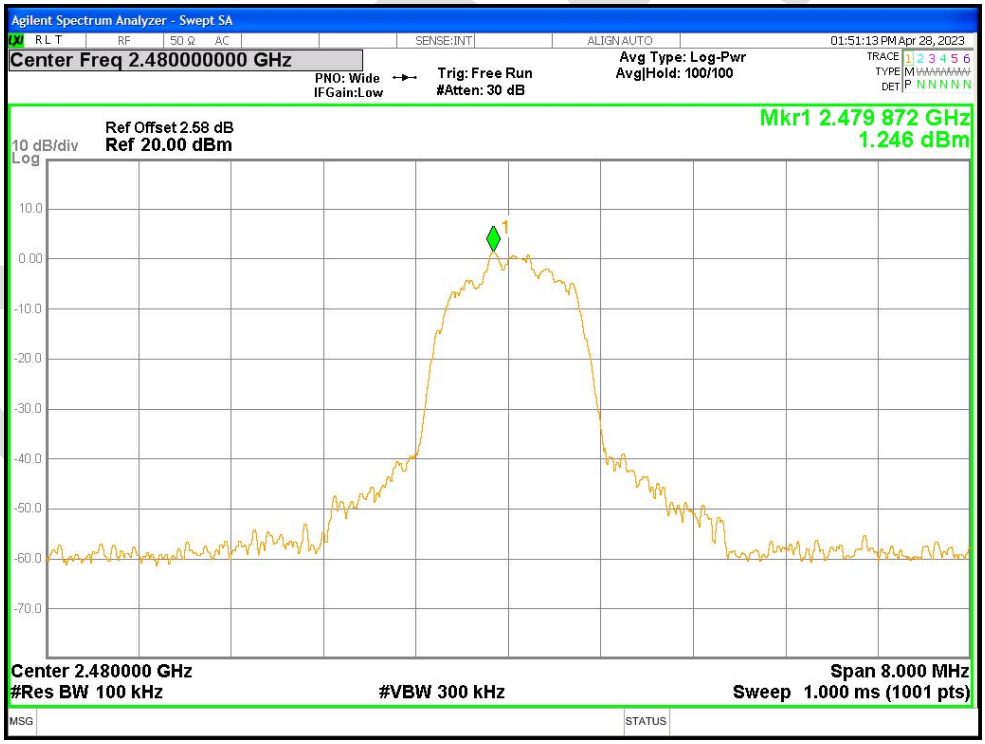
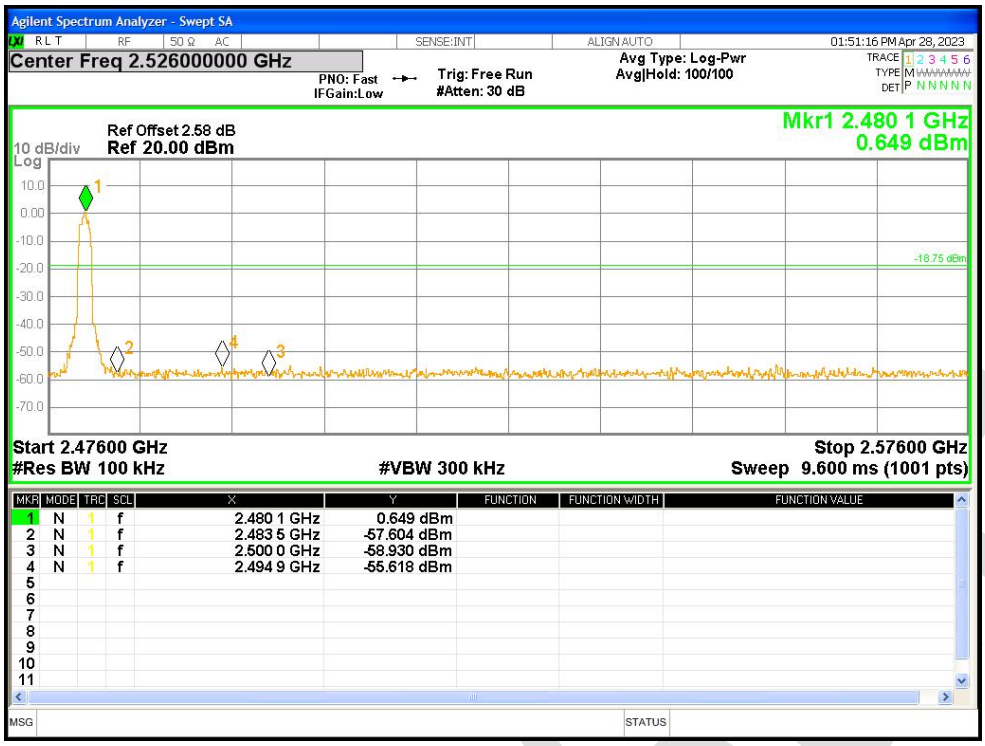


Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Ref



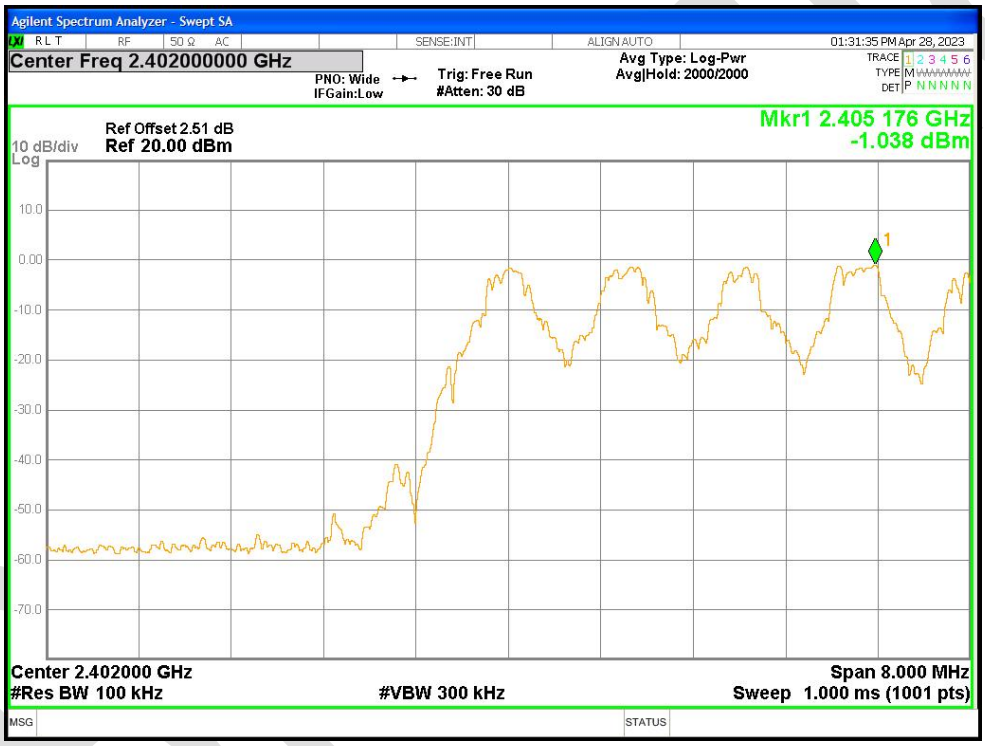
Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Emission


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
01:51:16 PM Apr 28, 2023
Ref Offset 2.58 dB
10 dB/div
Ref 20.00 dBm
Mkr1 2.480 1 GHz
0.649 dBm
-18.75 dBm
Start 2.47600 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.57600 GHz
Sweep 9.600 ms (1001 pts)
1 N 1 f 2.480 1 GHz 0.649 dBm
2 N 1 f 2.483 5 GHz -57.604 dBm
3 N 1 f 2.500 0 GHz -58.930 dBm
4 N 1 f 2.494 9 GHz -55.618 dBm

20.5 BAND EDGE(HOPPING)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-53.57	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-55.47	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-53.8	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-55.28	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-54.09	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-55.78	-20	Pass

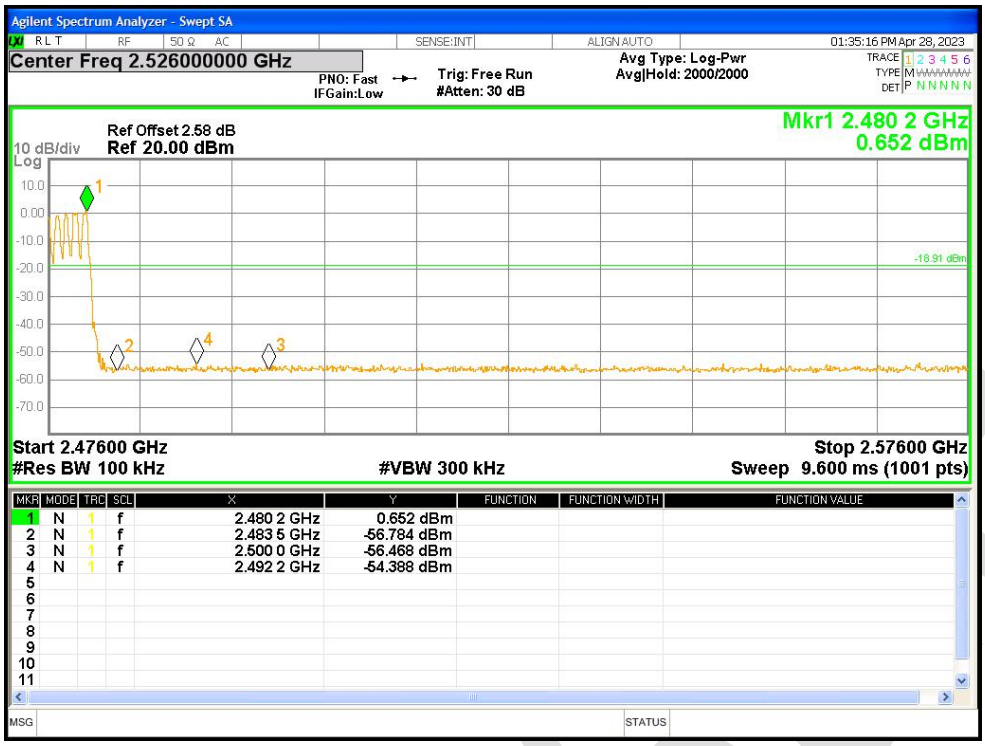
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Ref



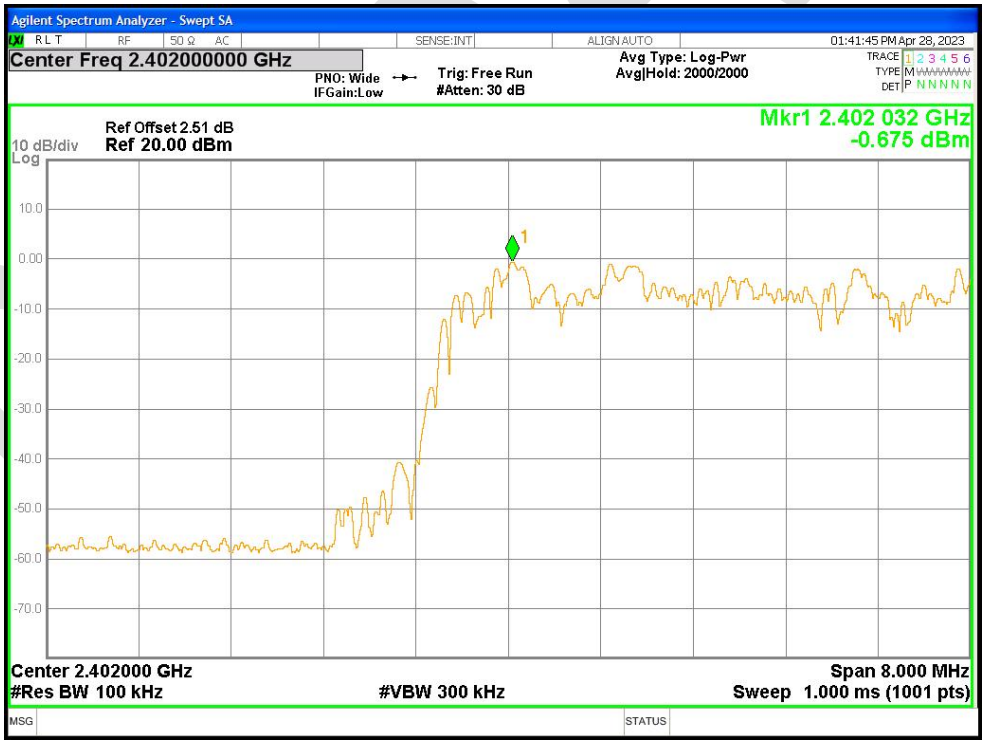
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission

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

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



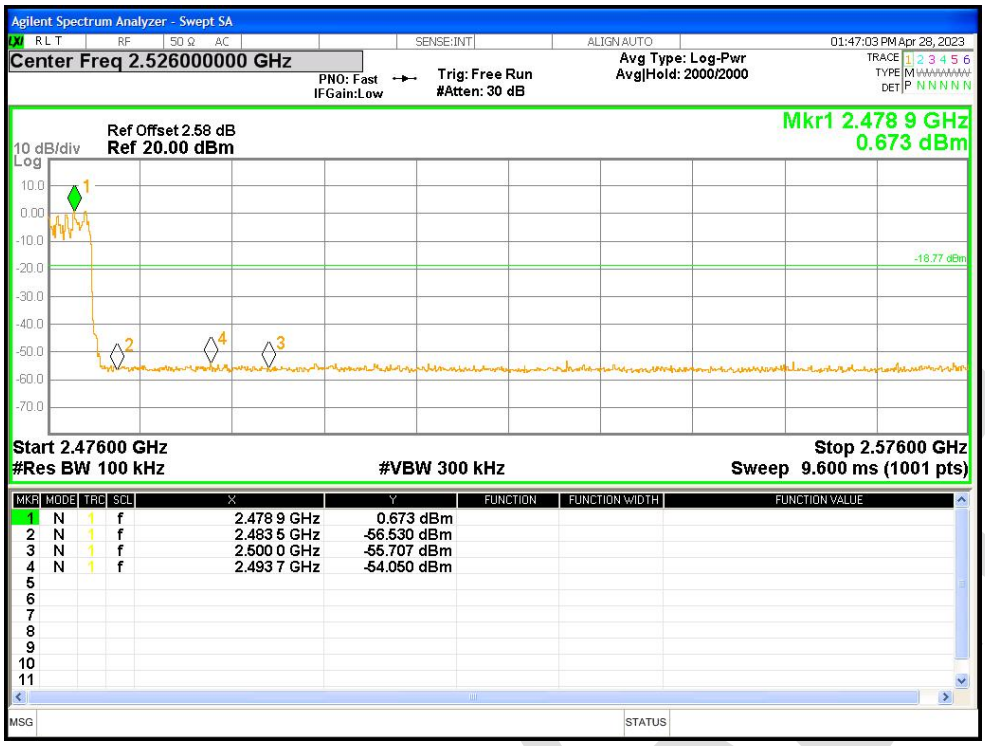
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Ref



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

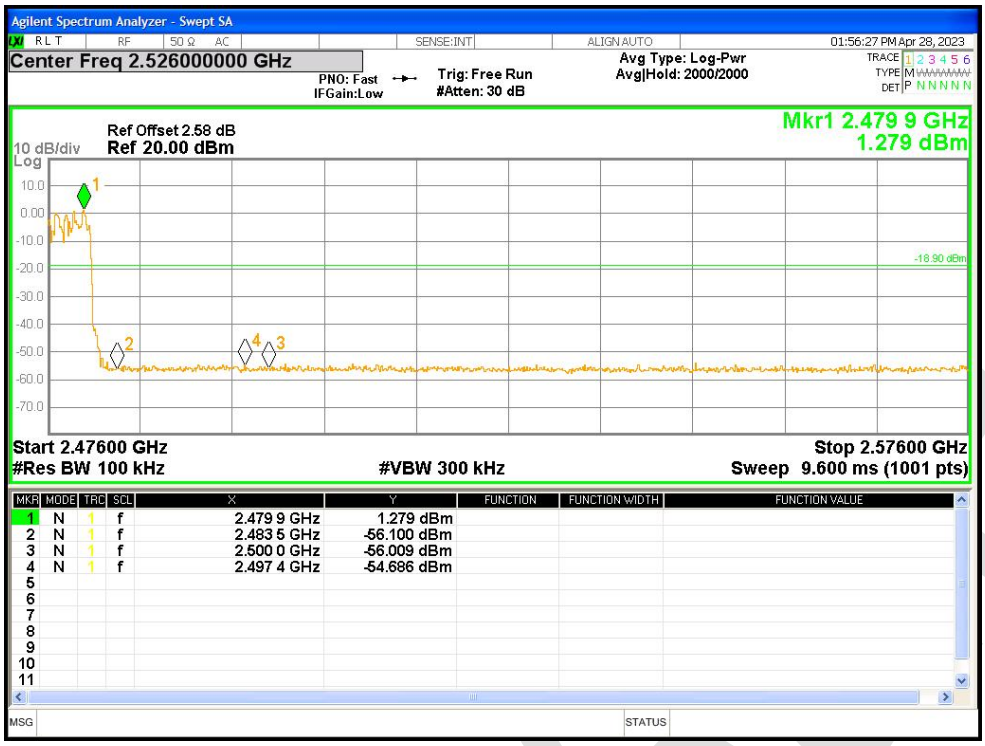


Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Ref

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

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

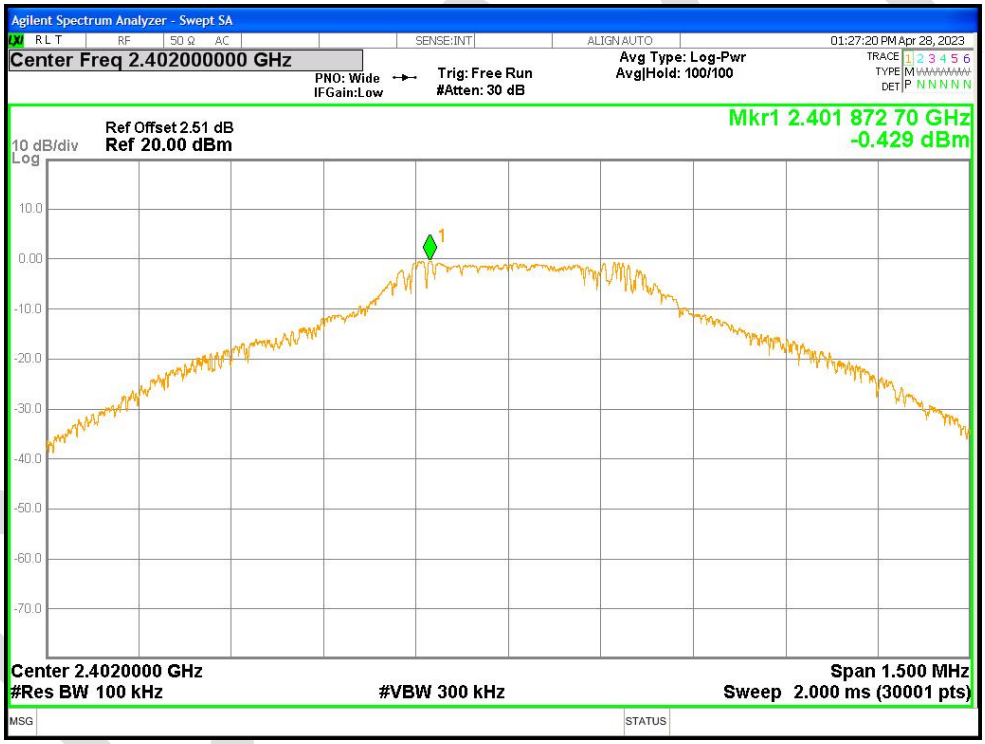
Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Emission


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
01:56:27 PM Apr 28, 2023
Ref Offset 2.58 dB
10 dB/div
Ref 20.00 dBm
Mkr1 2.479 9 GHz
1.279 dBm
-18.90 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 1.279 dBm
2 N 1 f 2.483 5 GHz -56.100 dBm
3 N 1 f 2.500 0 GHz -56.009 dBm
4 N 1 f 2.497 4 GHz -54.686 dBm

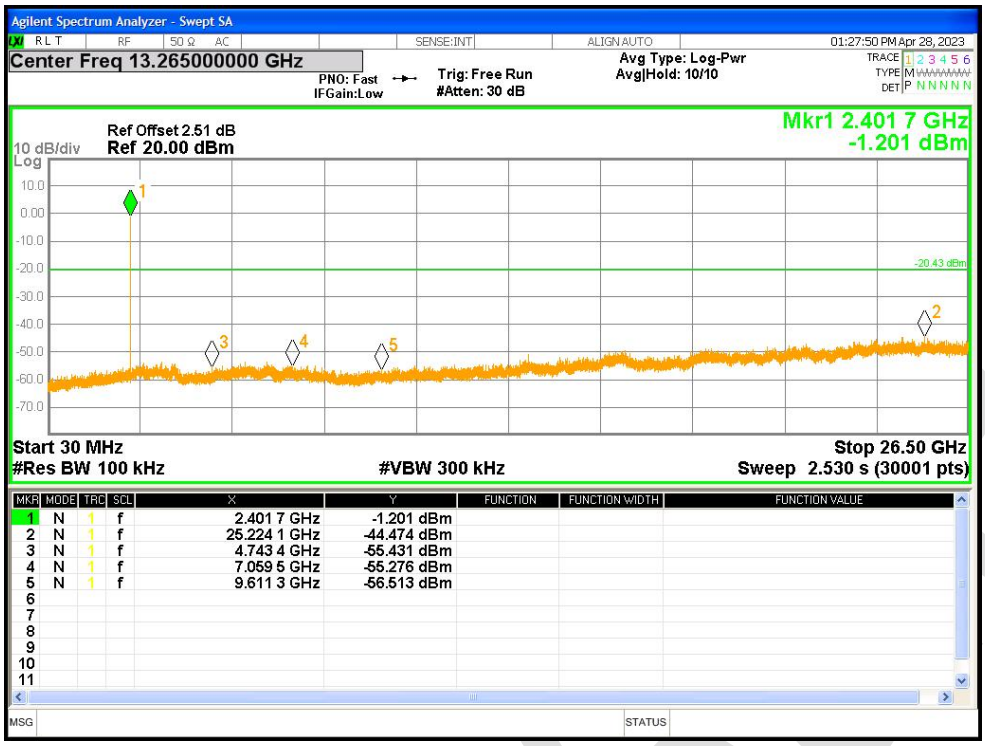
20.6 CONDUCTED RF SPURIOUS EMISSION

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-44.04	-20	Pass
NVNT	1-DH1	2441	Ant1	-43.47	-20	Pass
NVNT	1-DH1	2480	Ant1	-45.62	-20	Pass
NVNT	2-DH1	2402	Ant1	-44.74	-20	Pass
NVNT	2-DH1	2441	Ant1	-43.11	-20	Pass
NVNT	2-DH1	2480	Ant1	-46.28	-20	Pass
NVNT	3-DH1	2402	Ant1	-44.25	-20	Pass
NVNT	3-DH1	2441	Ant1	-43.46	-20	Pass
NVNT	3-DH1	2480	Ant1	-45.88	-20	Pass

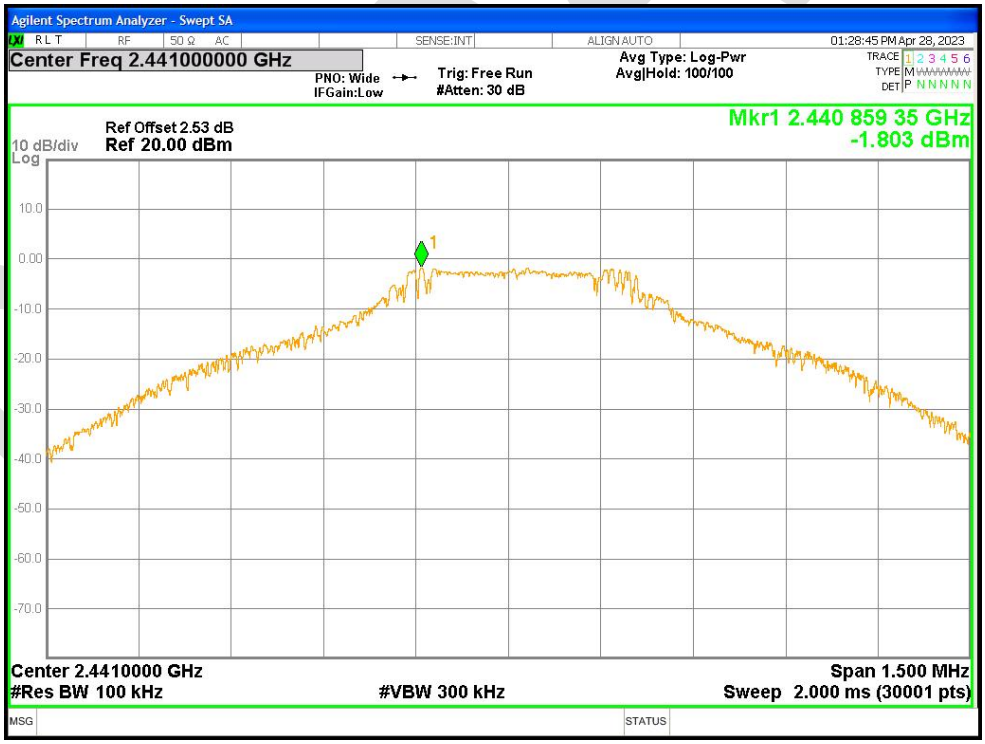
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



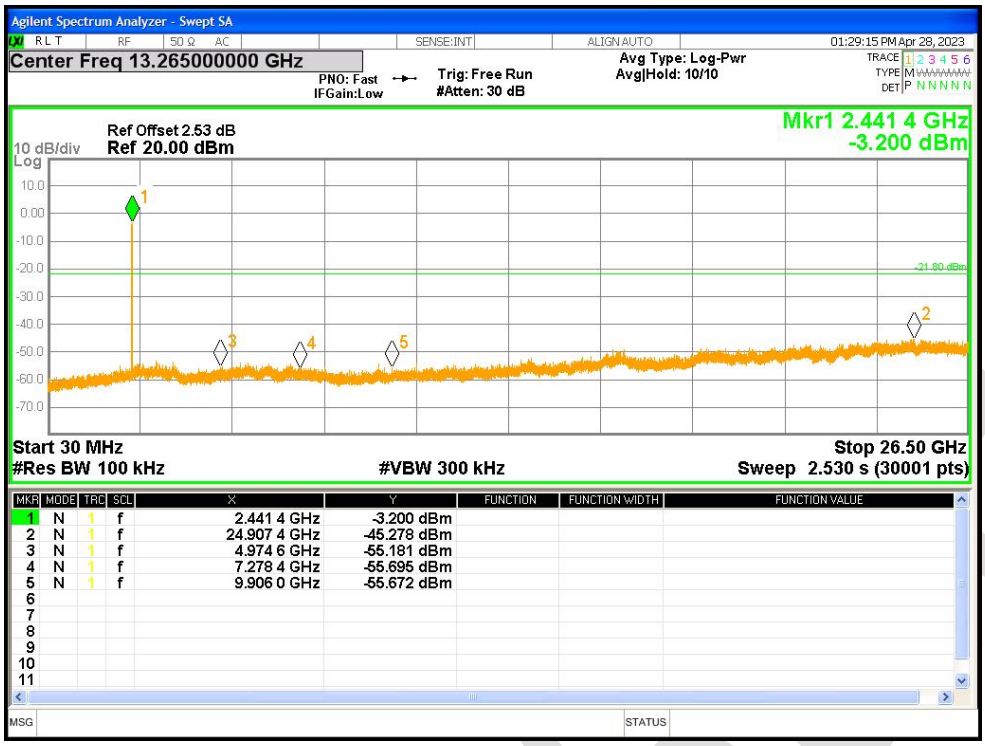
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission



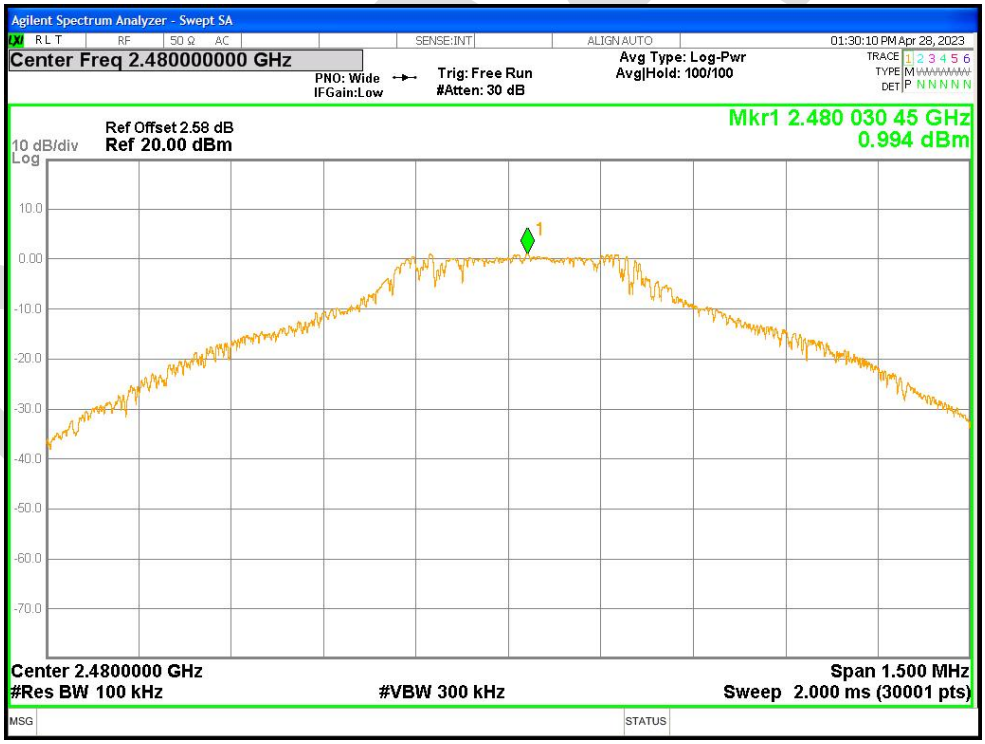
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



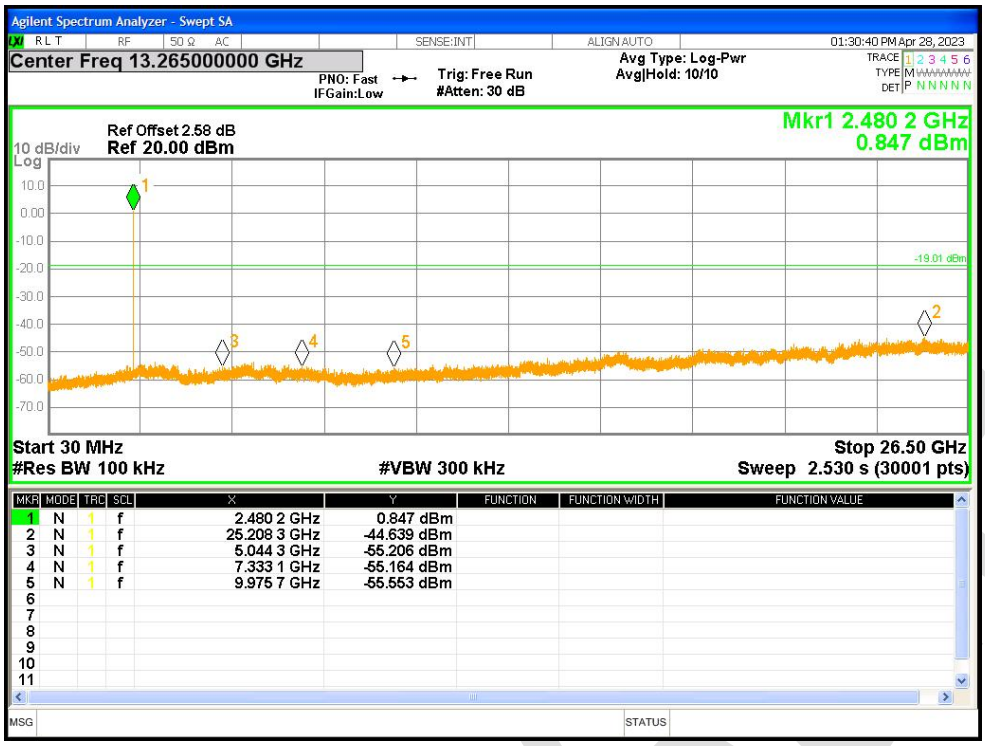
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



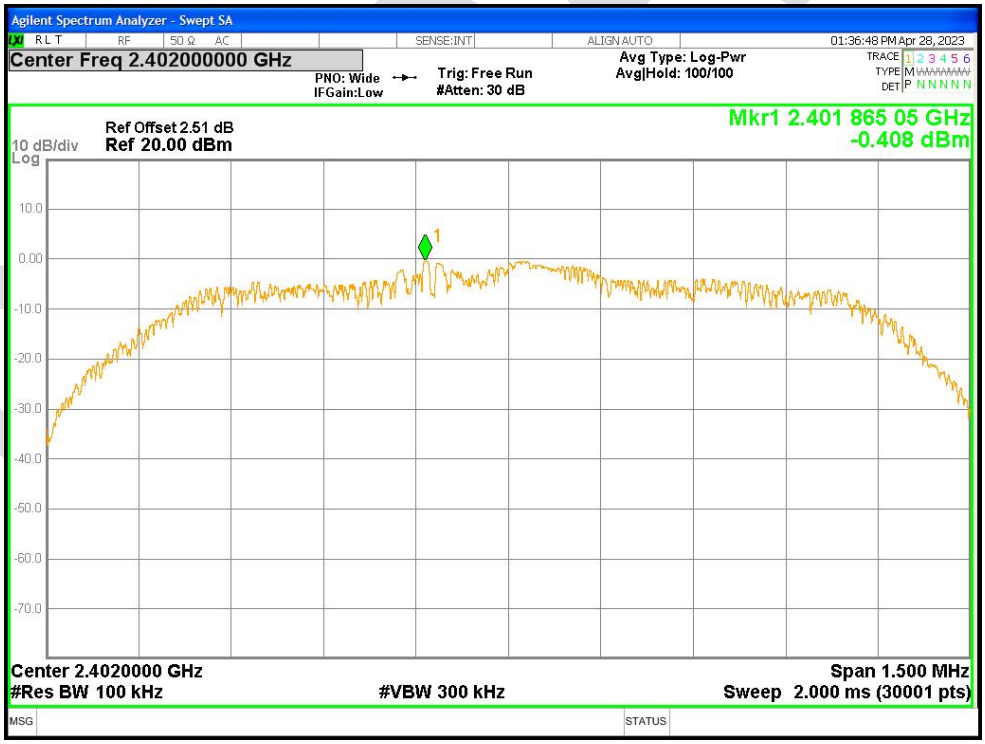
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref



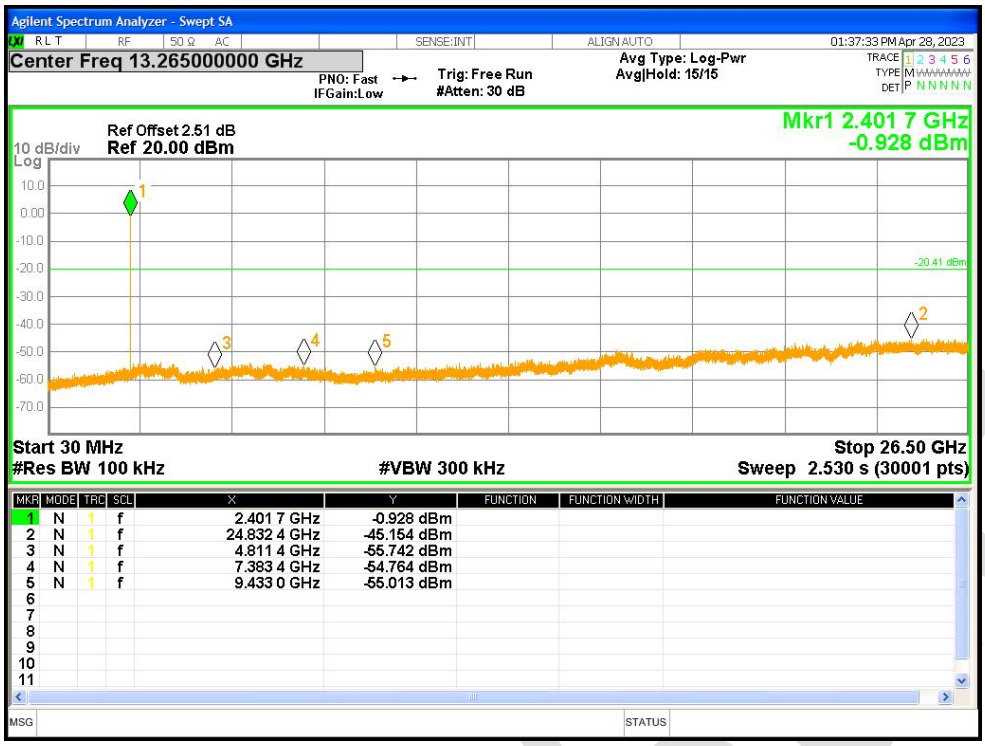
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission



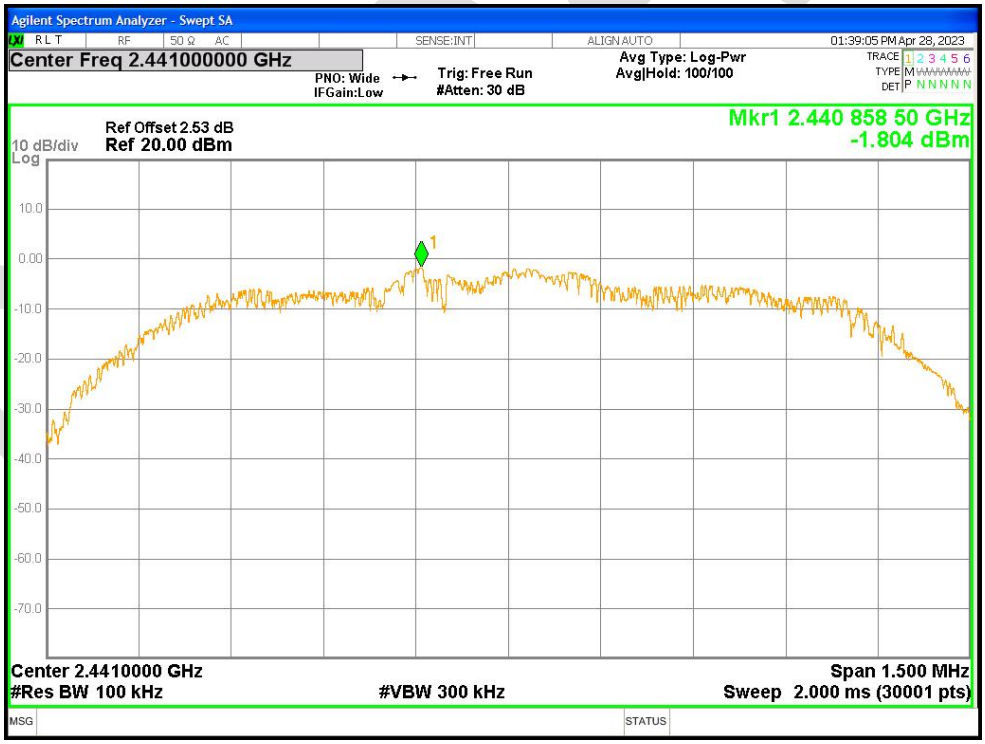
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref



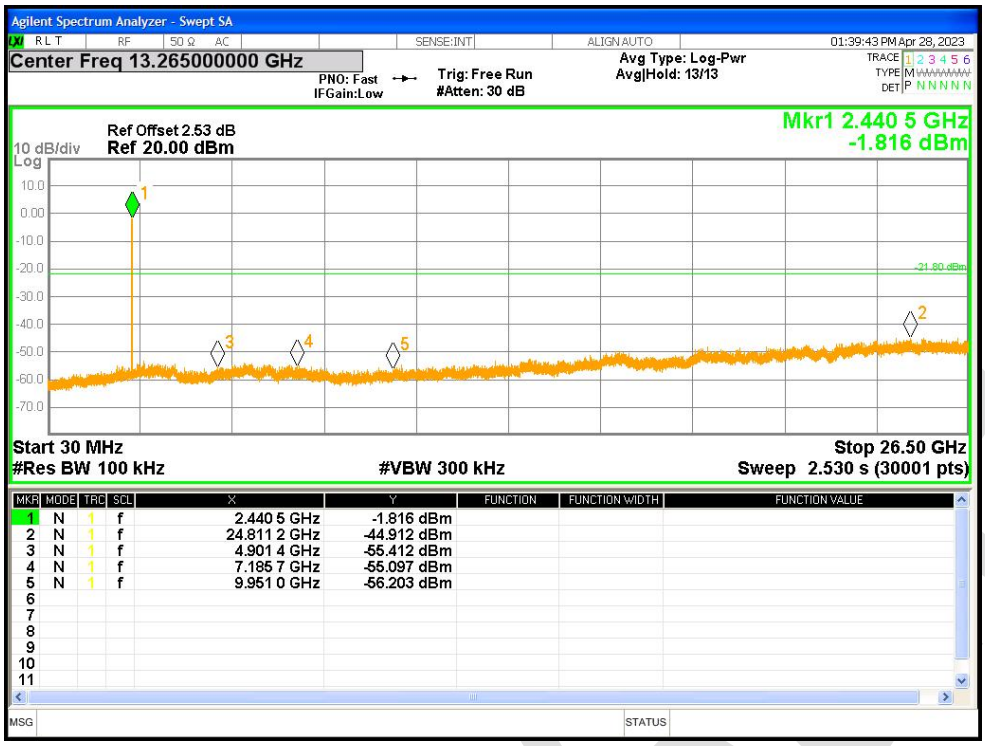
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission



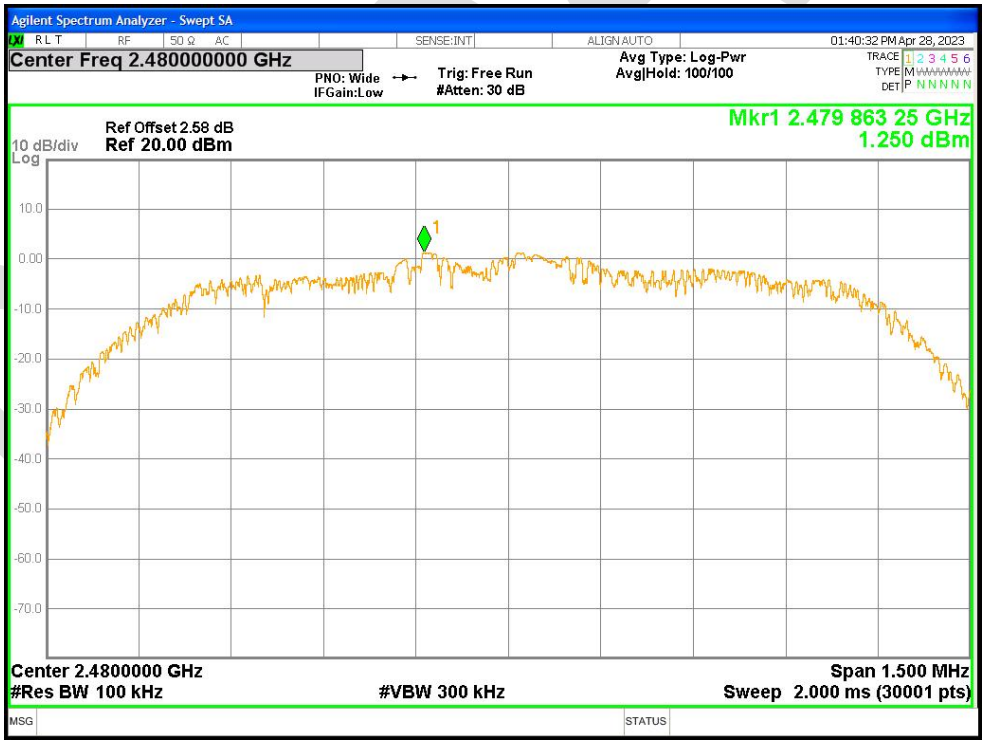
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



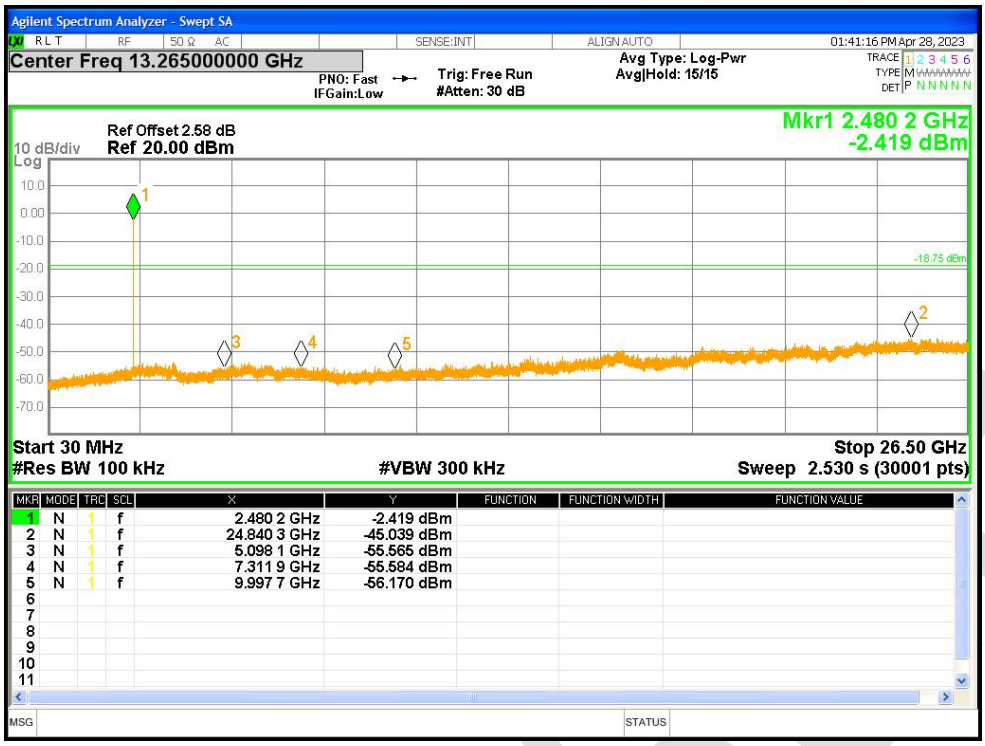
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



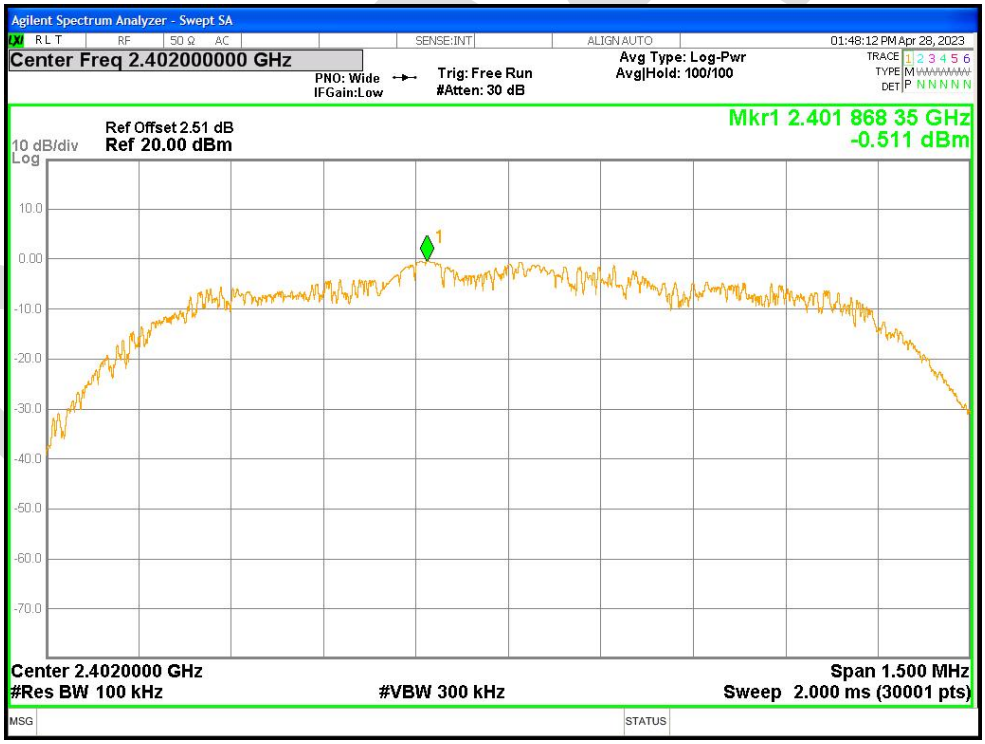
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref



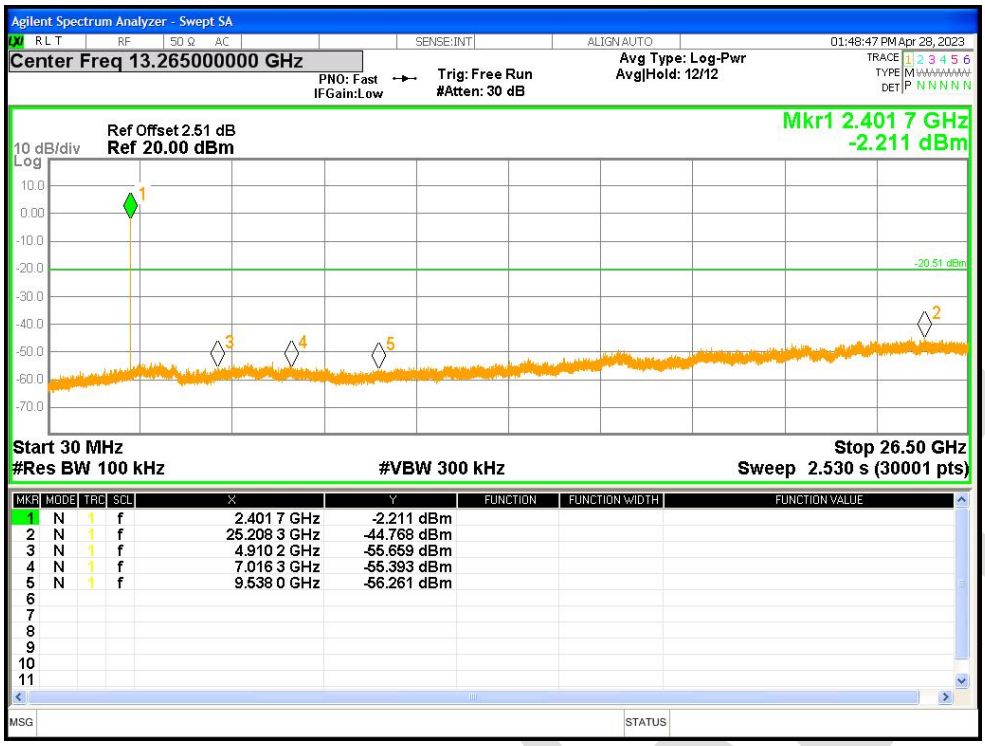
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission



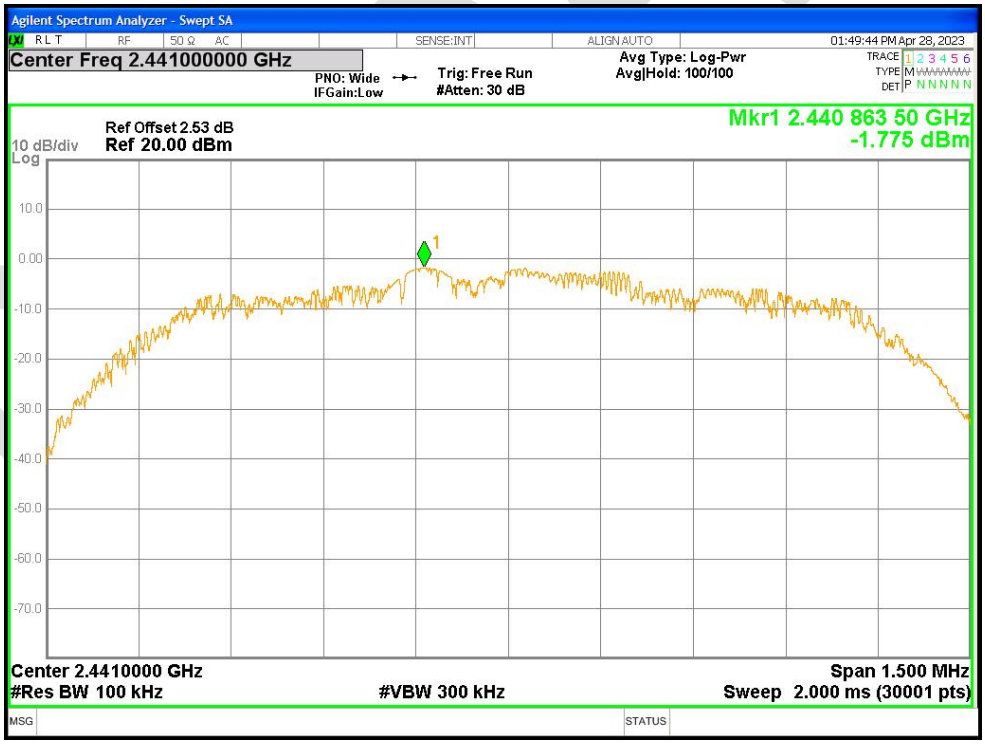
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Ref



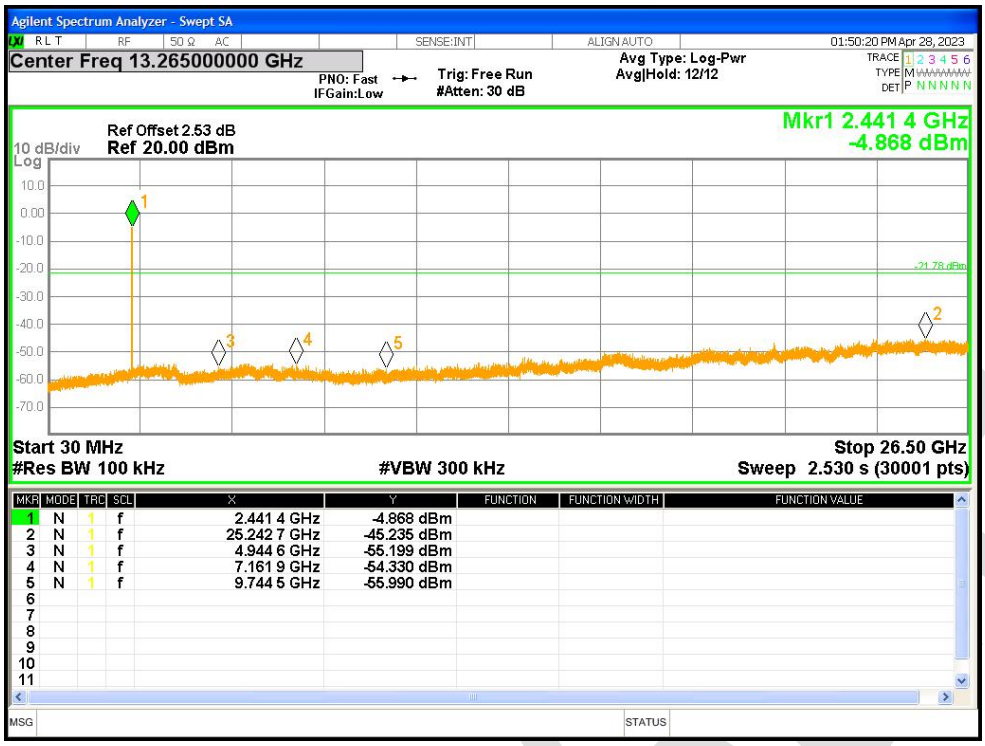
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Emission



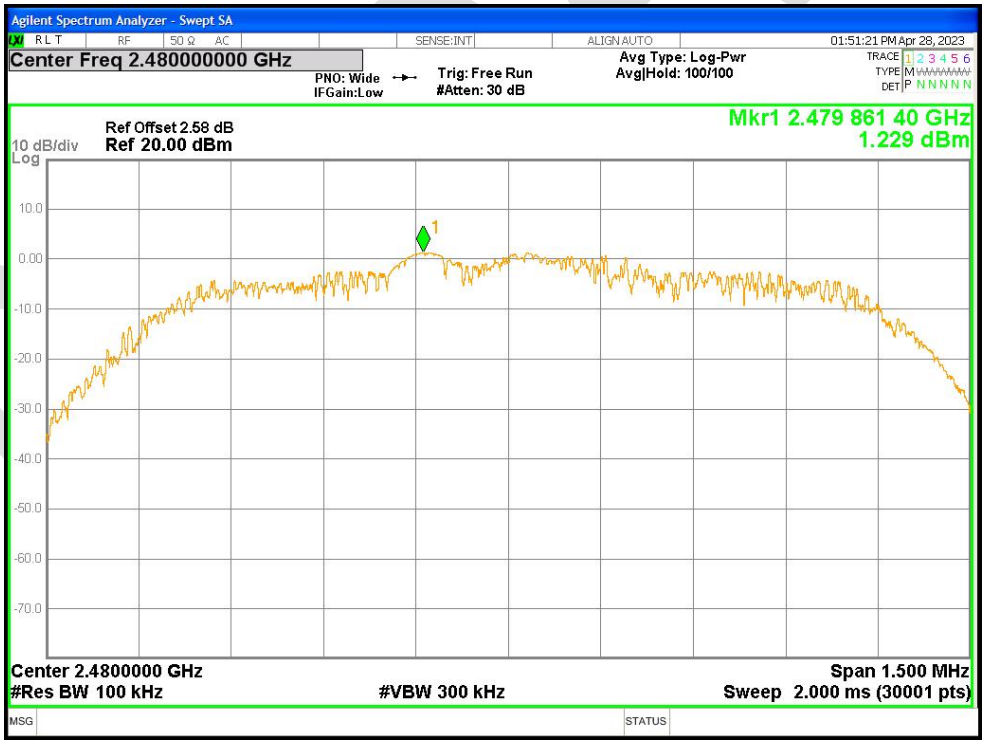
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Ref



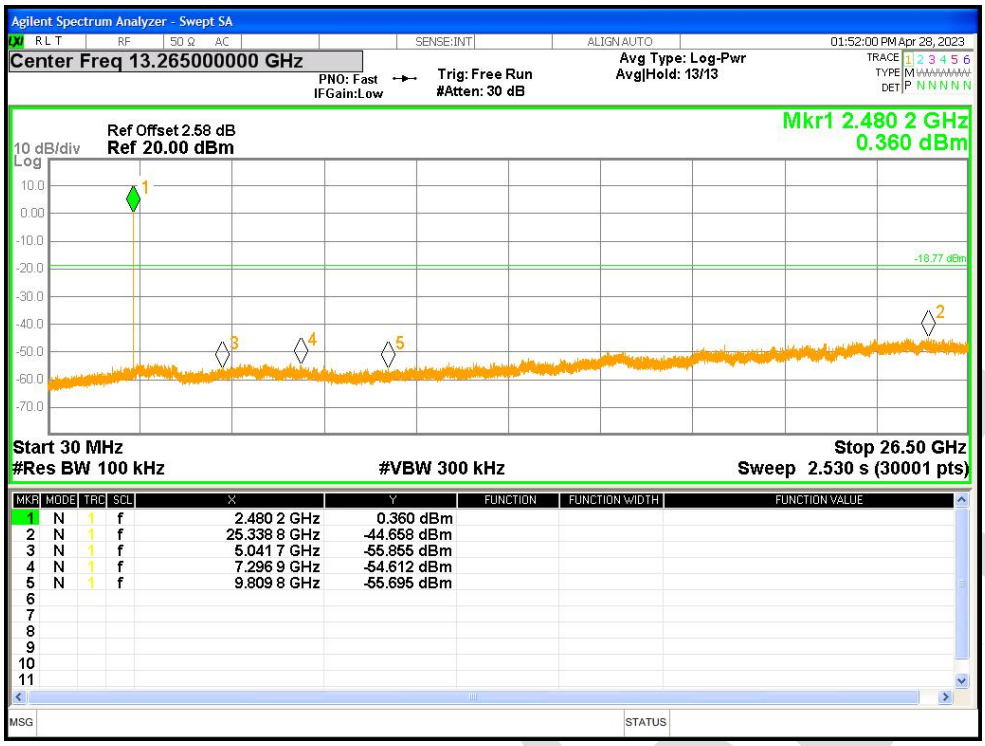
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref



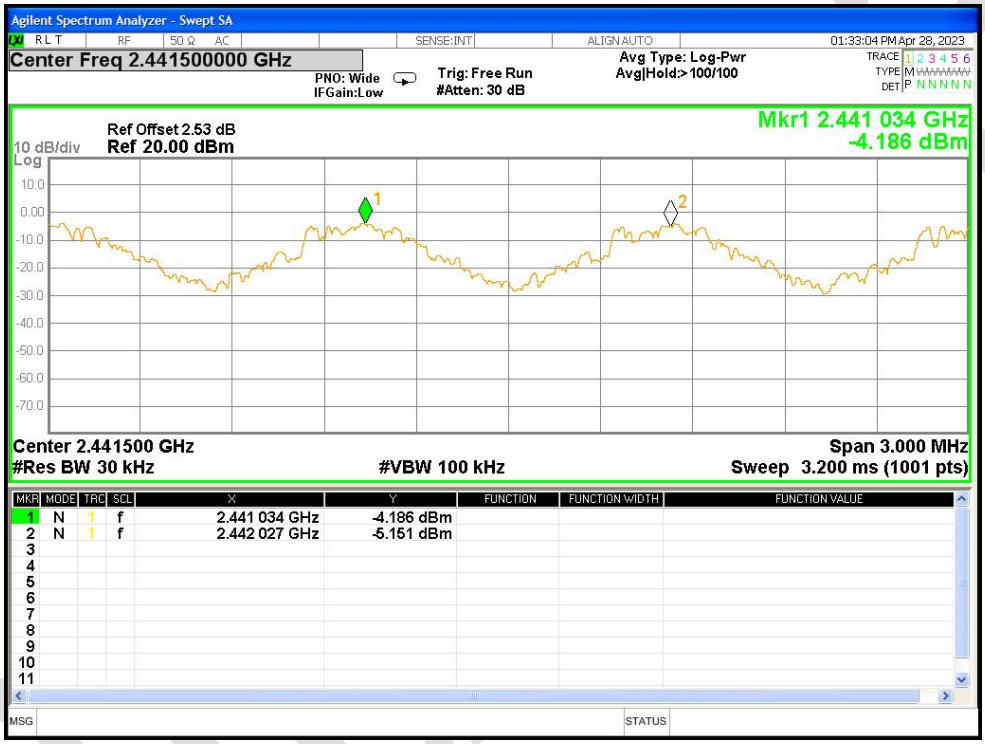
Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission


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
01:52:00 PM Apr 28, 2023
Ref Offset 2.58 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 2.480 2 GHz
0.360 dBm
-18.77 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 0.360 dBm
2 N 1 f 25.338 8 GHz -44.658 dBm
3 N 1 f 5.041 7 GHz -55.855 dBm
4 N 1 f 7.296 9 GHz -54.612 dBm
5 N 1 f 9.809 8 GHz -55.695 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	2441.0335	2442.0265	0.993	0.871	Pass
NVNT	2-DH1	Ant1	2441.02	2442.0025	0.9825	0.837	Pass
NVNT	3-DH1	Ant1	2441.038	2442.097	1.059	0.809	Pass

CFS NVNT 1-DH1 2441MHz Ant1



CFS NVNT 2-DH1 2441MHz Ant1