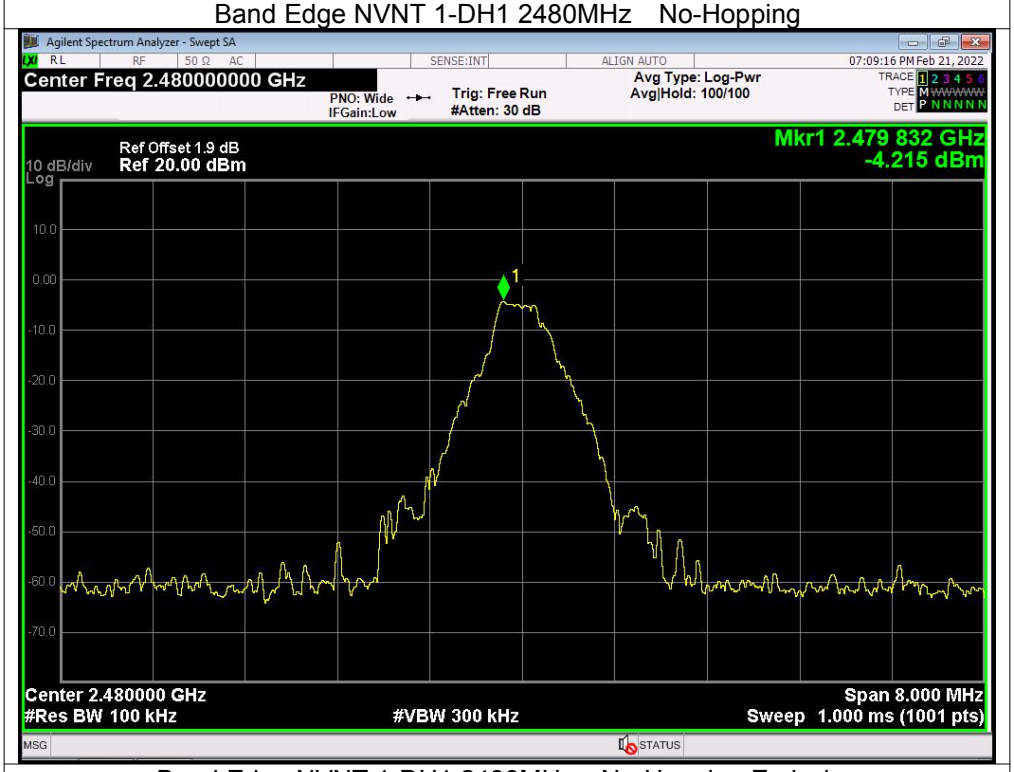
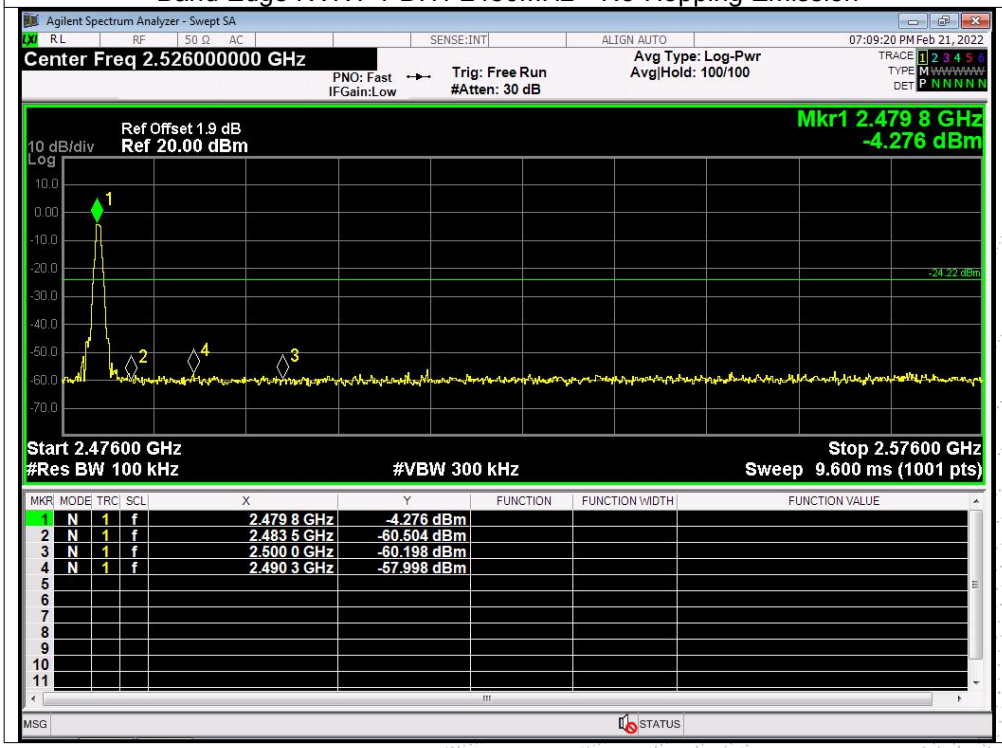
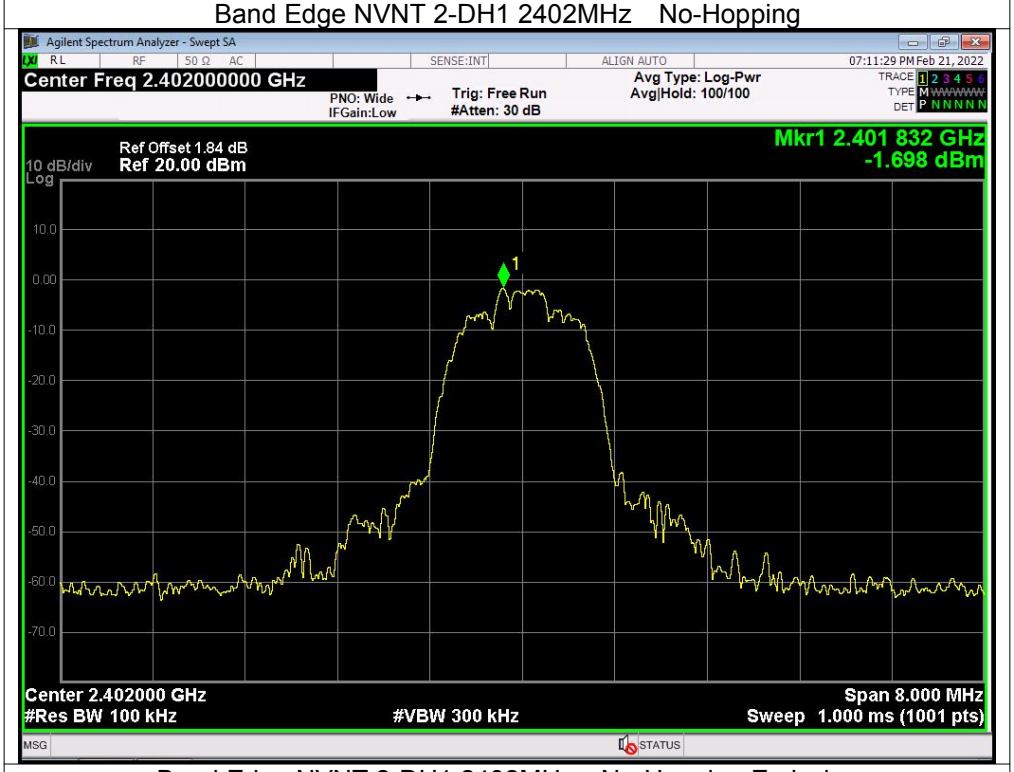
Band Edge NVNT 1-DH1 2480MHz No-Hopping



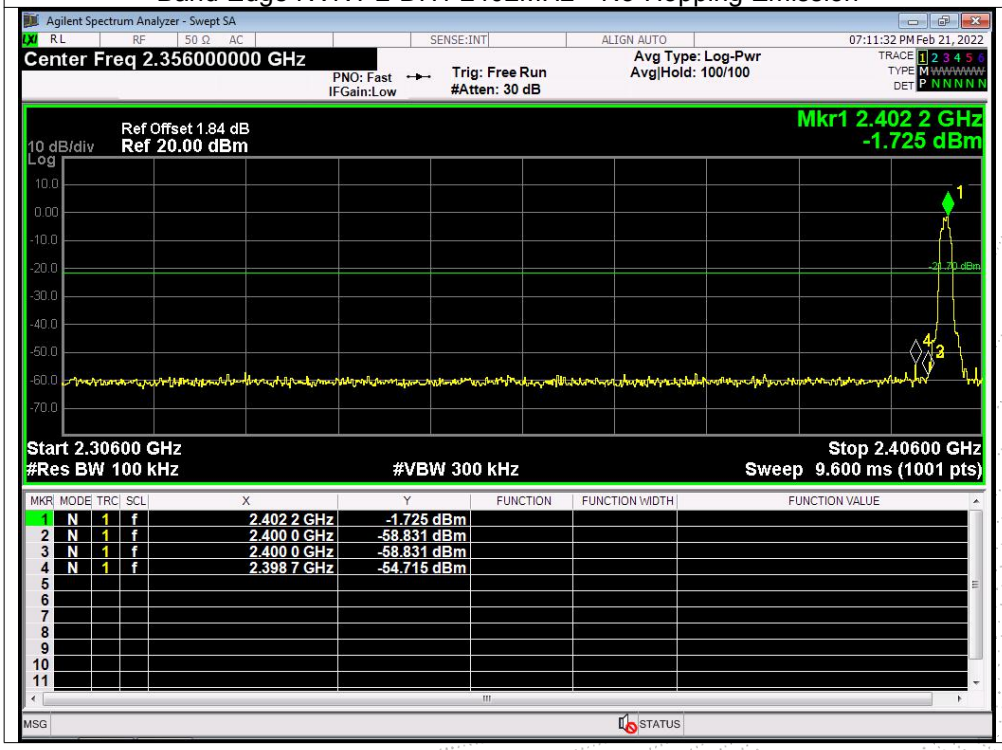
Band Edge NVNT 1-DH1 2480MHz No-Hopping Emission



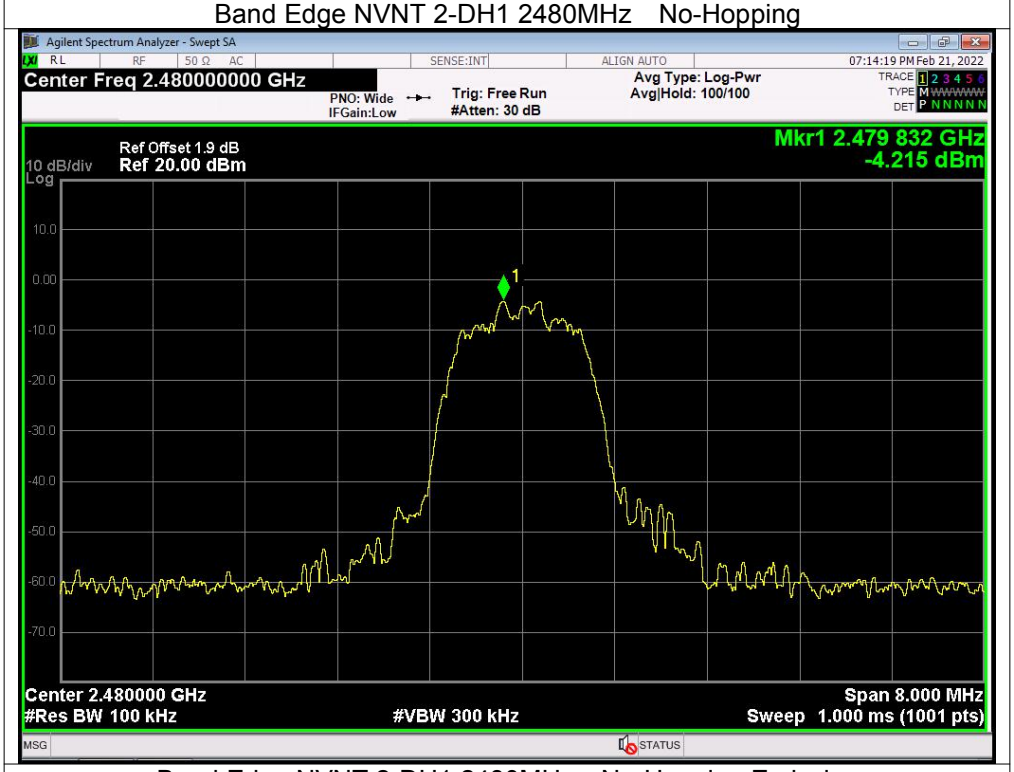
Band Edge NVNT 2-DH1 2402MHz No-Hopping



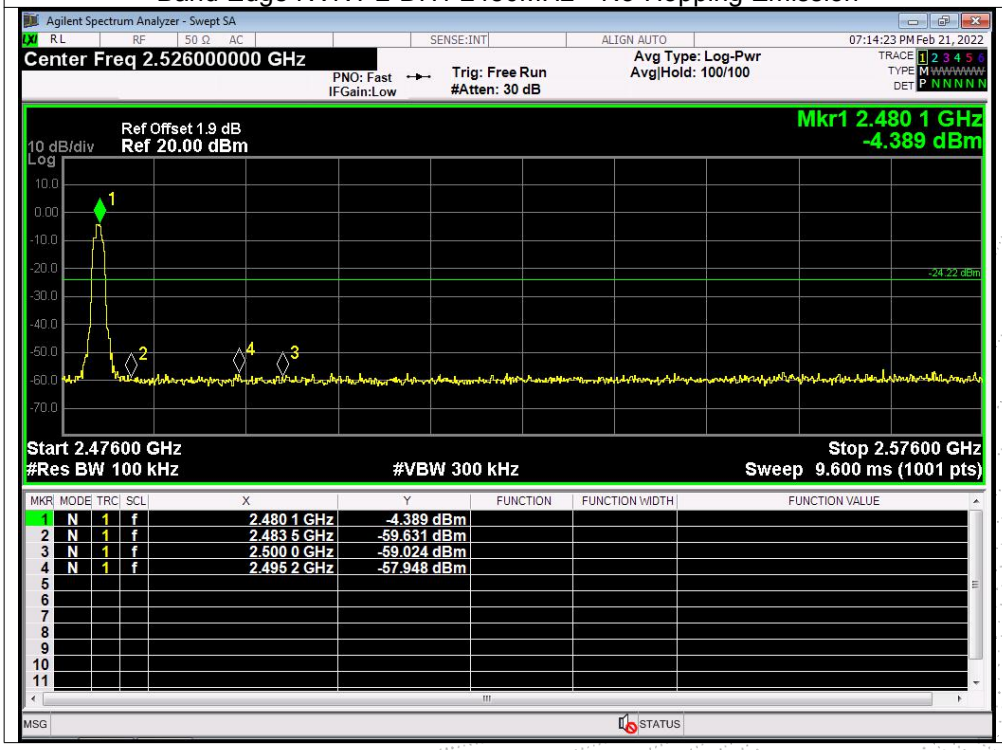
Band Edge NVNT 2-DH1 2402MHz No-Hopping Emission



Band Edge NVNT 2-DH1 2480MHz No-Hopping

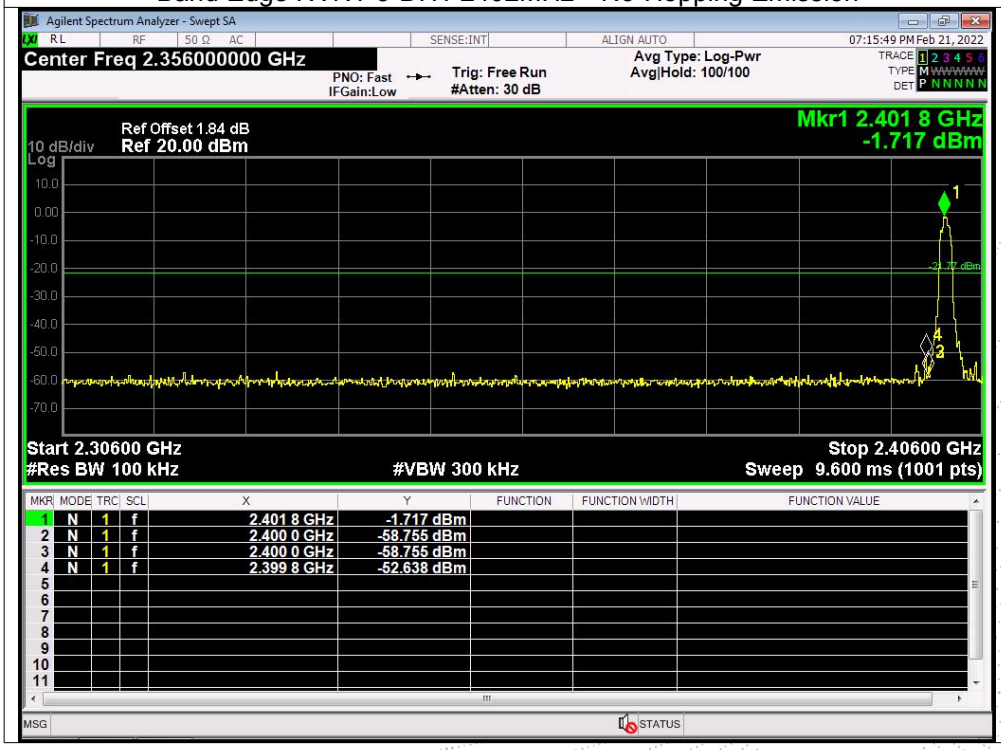


Band Edge NVNT 2-DH1 2480MHz No-Hopping Emission

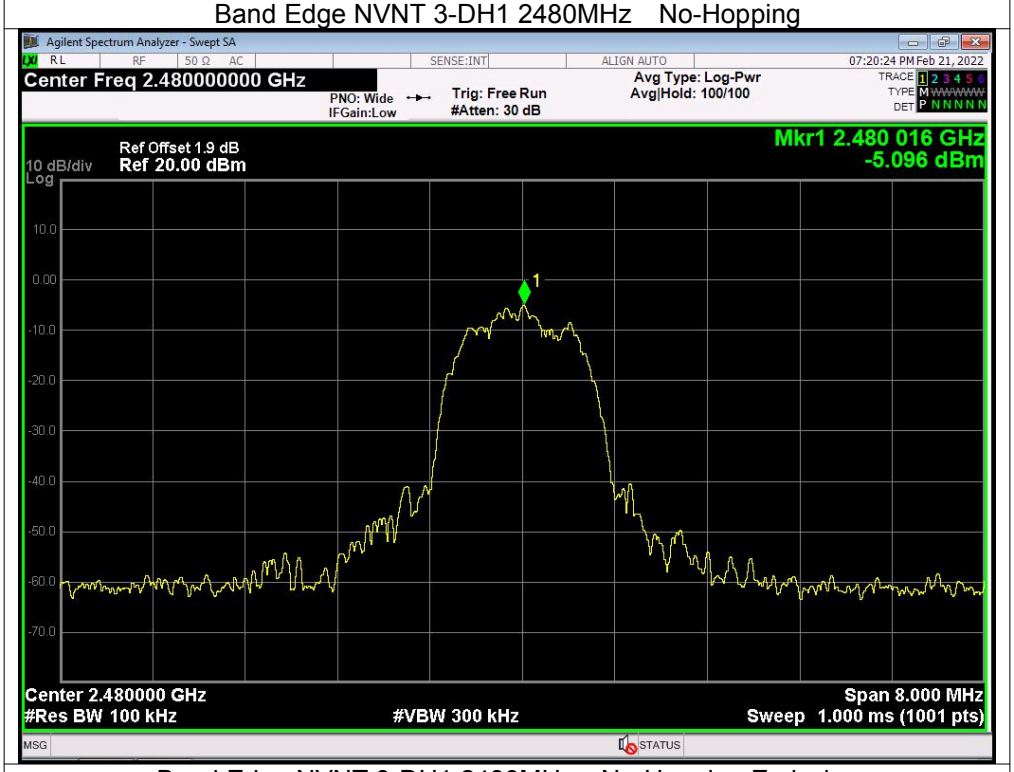


Band Edge NVNT 3-DH1 2402MHz No-Hopping

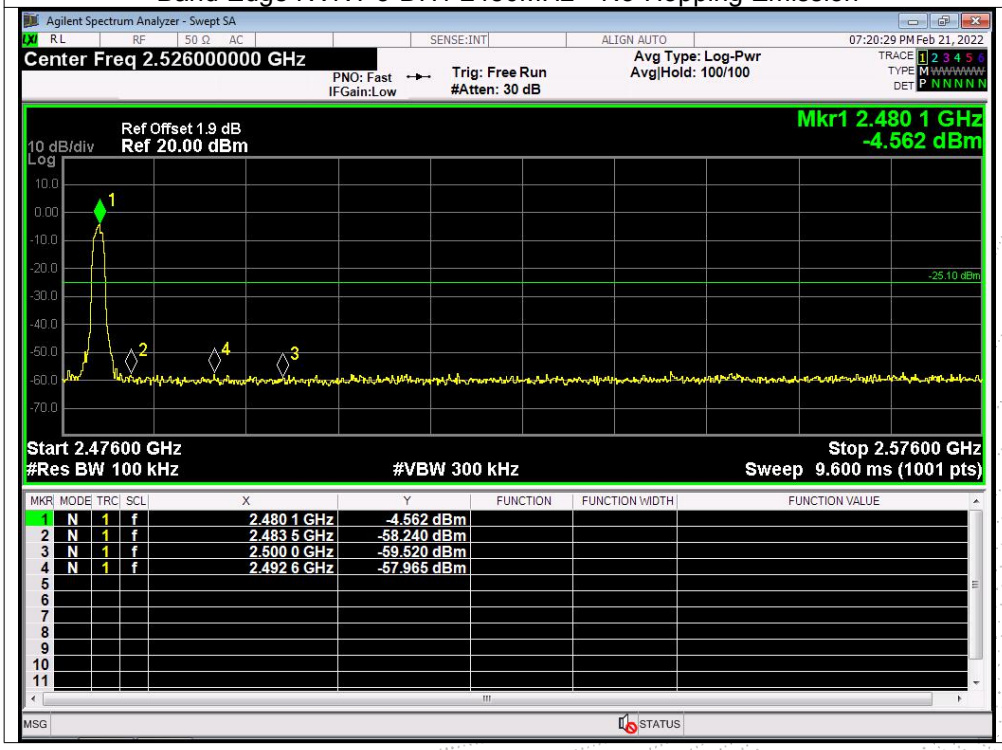
Band Edge NVNT 3-DH1 2402MHz No-Hopping Emission



Band Edge NVNT 3-DH1 2480MHz No-Hopping



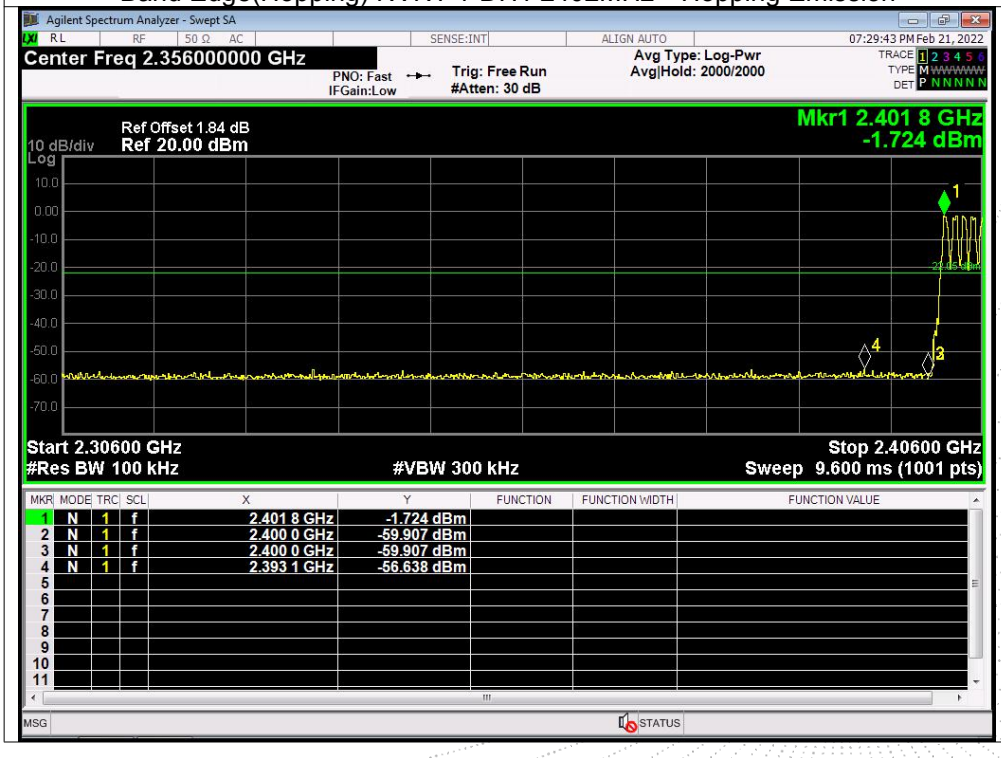
Band Edge NVNT 3-DH1 2480MHz No-Hopping Emission



Test Graphs

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

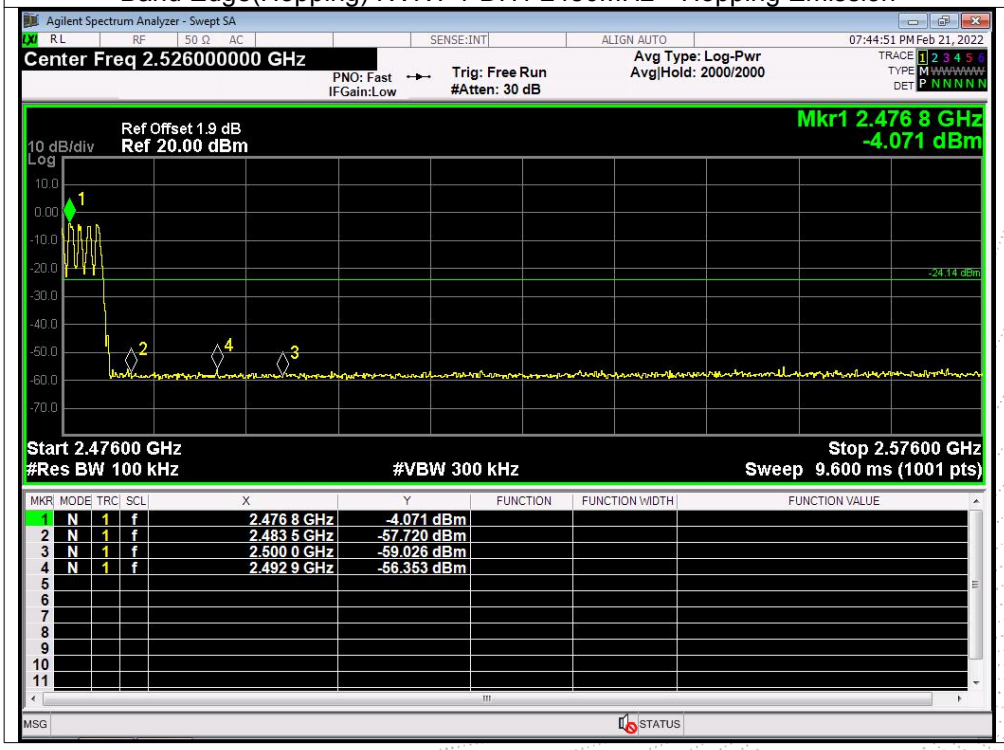
Band Edge(Hopping) NVNT 1-DH1 2402MHz Hopping Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.401 8 GHz	-1.724 dBm			
2	N	1	f	2.400 0 GHz	-59.907 dBm			
3	N	1	f	2.400 0 GHz	-59.907 dBm			
4	N	1	f	2.393 1 GHz	-56.638 dBm			
5								
6								
7								
8								
9								
10								
11								

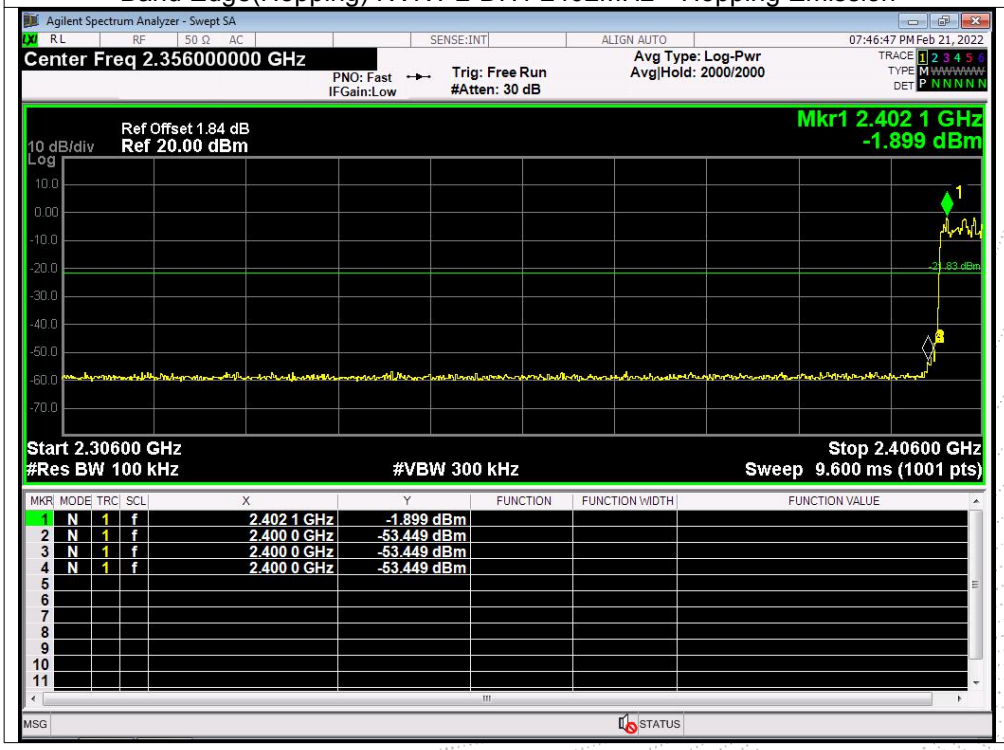
Band Edge(Hopping) NVNT 1-DH1 2480MHz Hopping

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

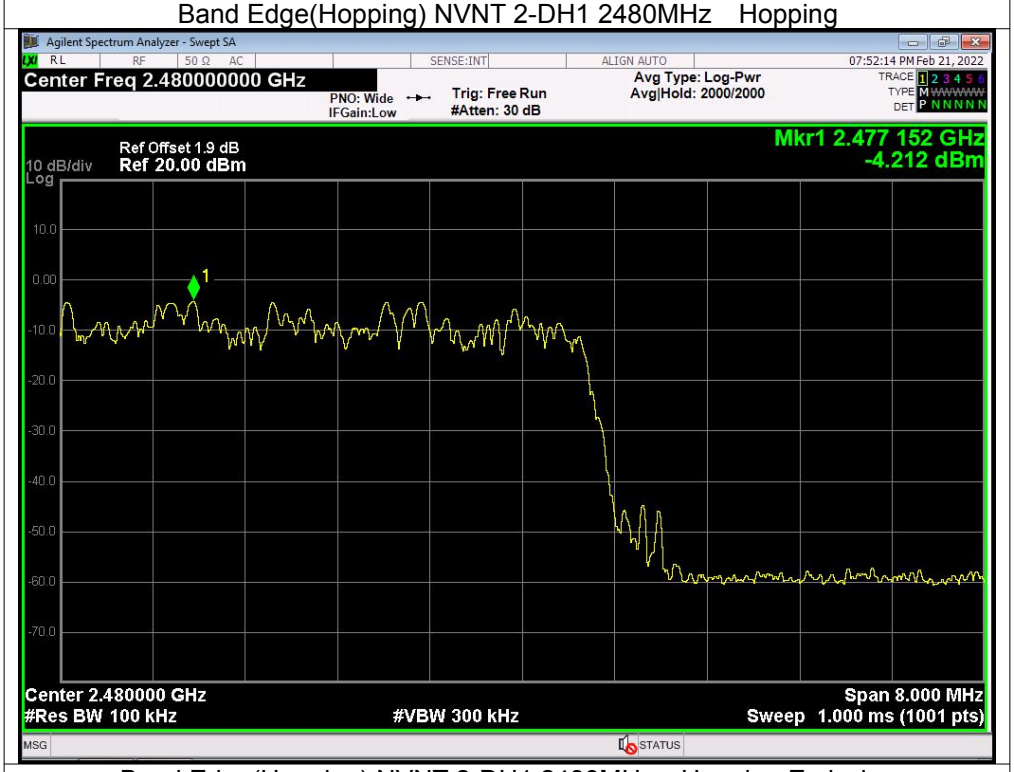


Band Edge(Hopping) NVNT 2-DH1 2402MHz Hopping

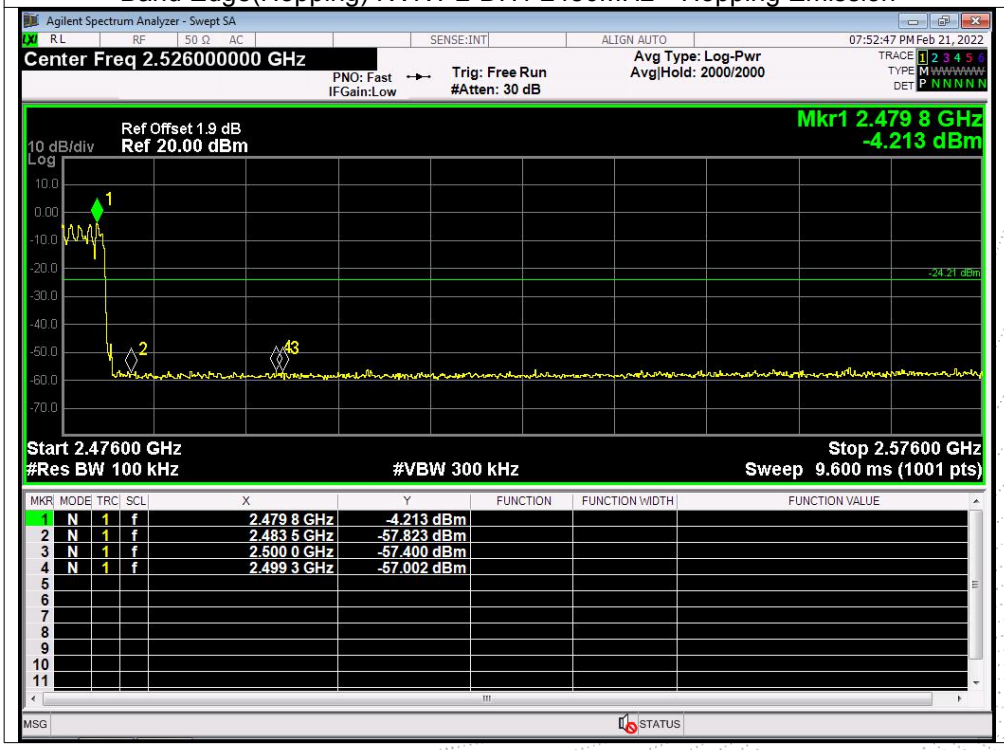
Band Edge(Hopping) NVNT 2-DH1 2402MHz Hopping Emission



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

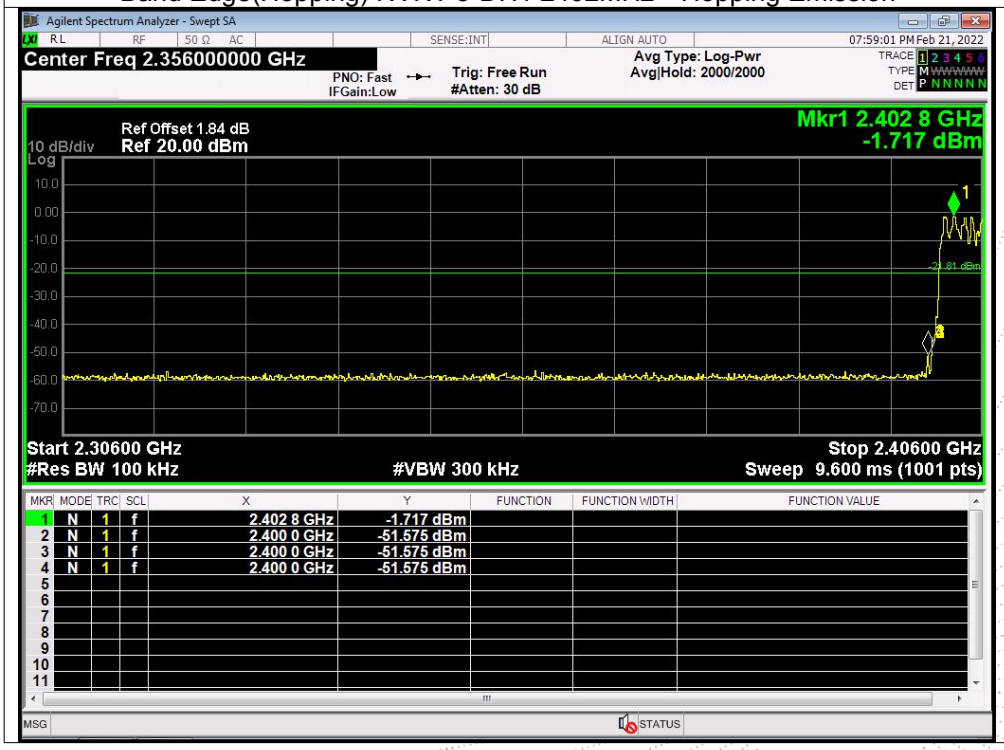


Band Edge(Hopping) NVNT 2-DH1 2480MHz Hopping Emission



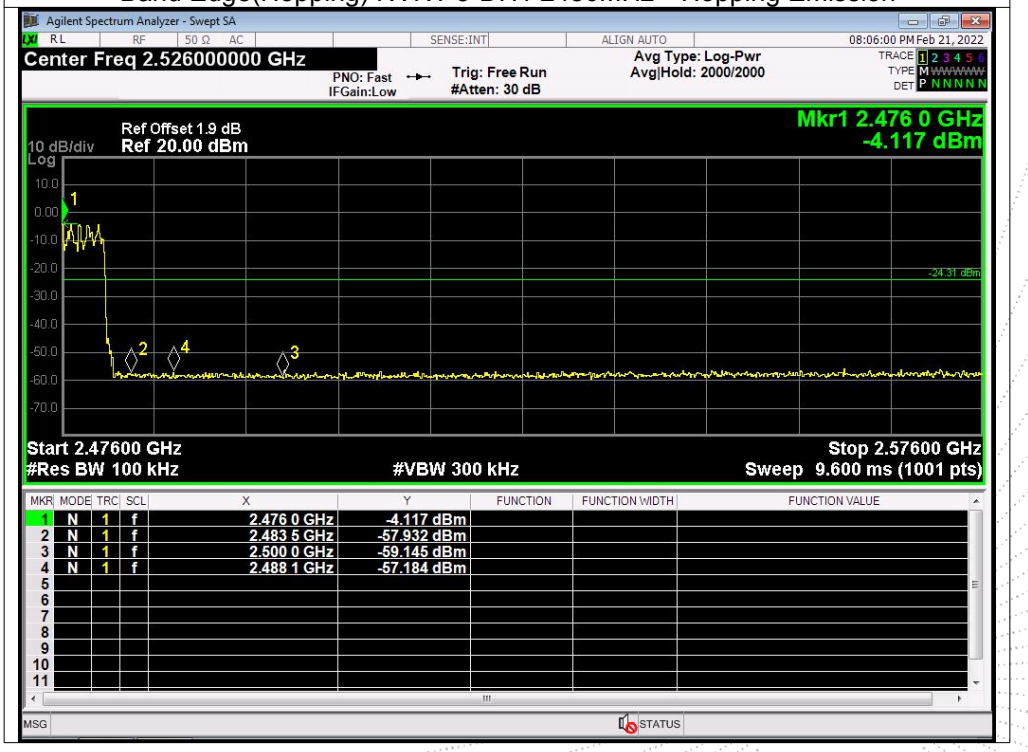
Band Edge(Hopping) NVNT 3-DH1 2402MHz Hopping

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



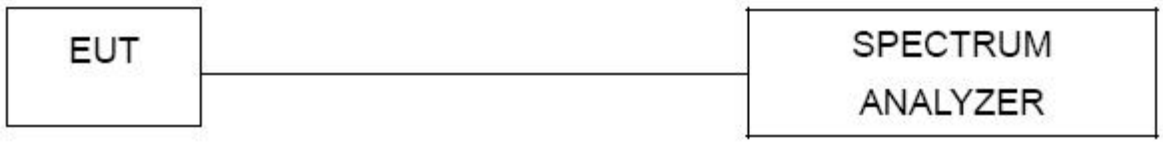
Band Edge(Hopping) NVNT 3-DH1 2480MHz Hopping

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



10. 20 dB Bandwidth

10.1 Block Diagram Of Test Setup



10.2 Limit

N/A

10.3 Test procedure

1. Set RBW = 30kHz.

2. Set the video bandwidth (VBW) ≥ 3 x RBW.

3. Detector = Peak.

4. Trace mode = max hold.

5. Sweep = auto couple.

6. Allow the trace to stabilize.

7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

10.4 Test Result

Condition	Mode	Frequency (MHz)	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	0.873	Pass
NVNT	1-DH1	2441	0.894	Pass
NVNT	1-DH1	2480	0.877	Pass
NVNT	2-DH1	2402	1.303	Pass
NVNT	2-DH1	2441	1.254	Pass
NVNT	2-DH1	2480	1.264	Pass
NVNT	3-DH1	2402	1.213	Pass
NVNT	3-DH1	2441	1.248	Pass
NVNT	3-DH1	2480	1.244	Pass

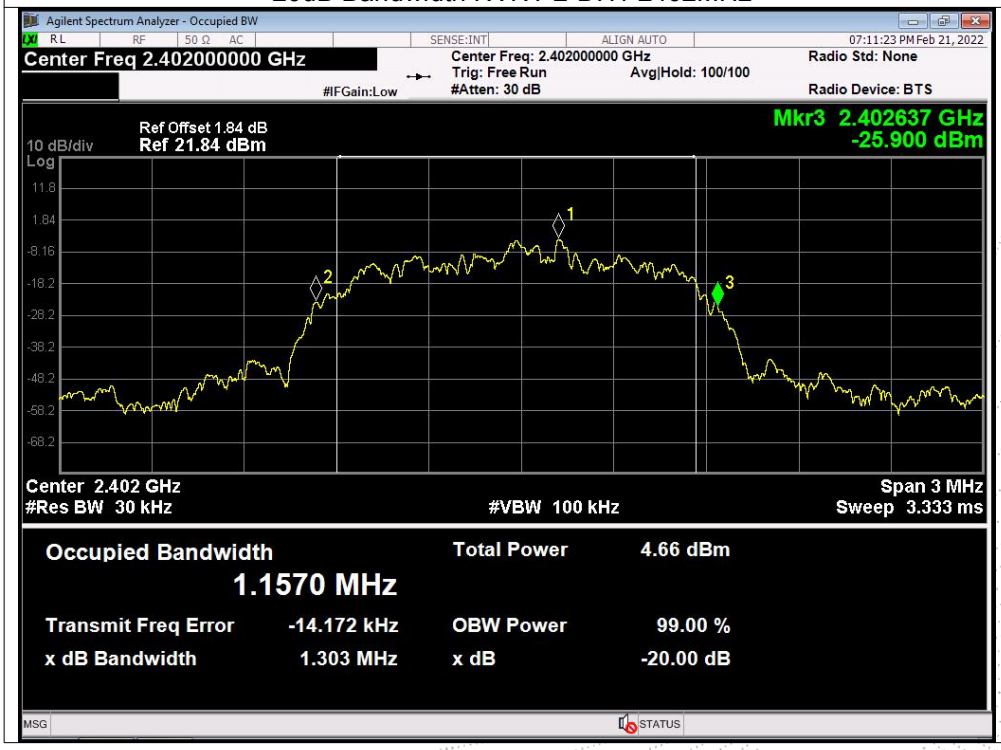
Test Graphs

-20dB Bandwidth NVNT 1-DH1 2402MHz

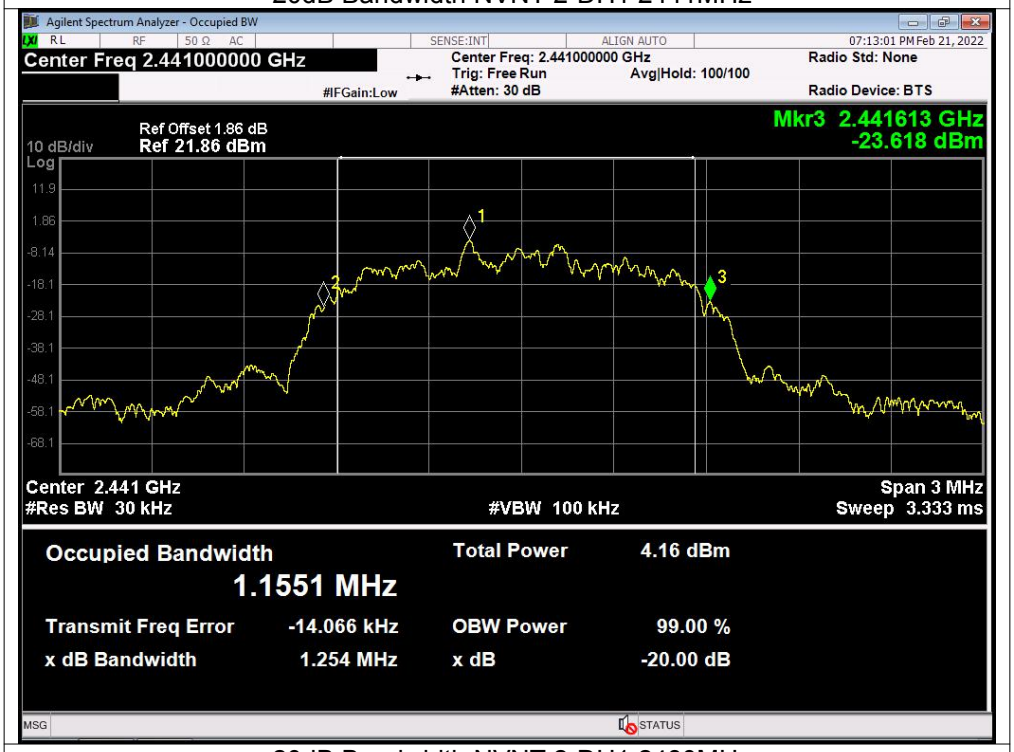
-20dB Bandwidth NVNT 1-DH1 2441MHz

-20dB Bandwidth NVNT 1-DH1 2480MHz

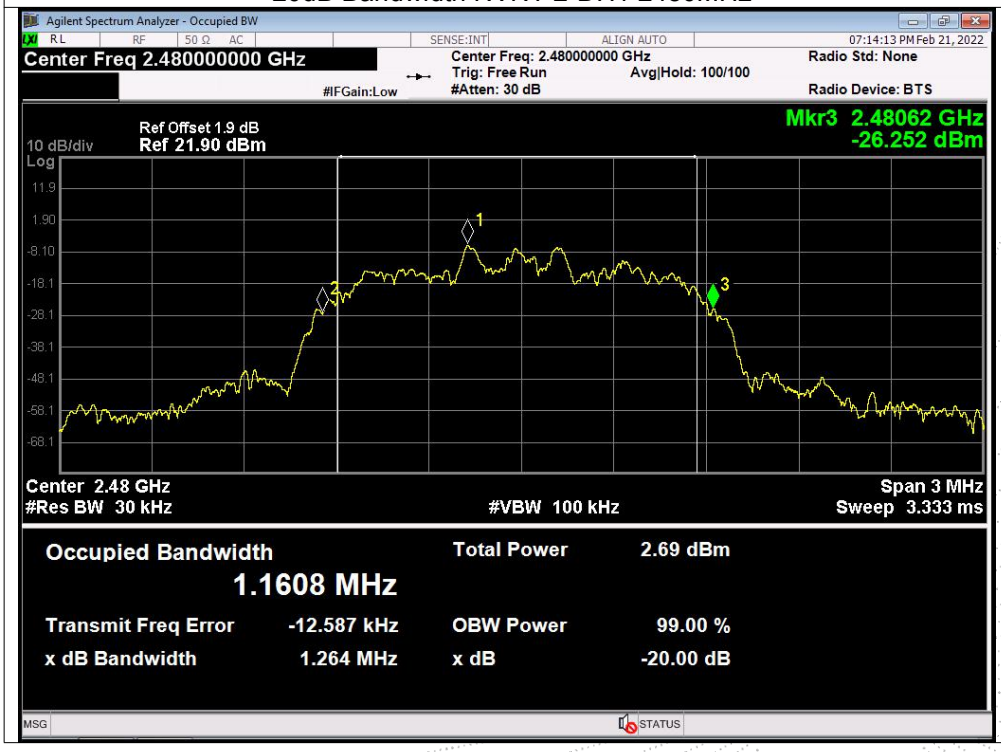
-20dB Bandwidth NVNT 2-DH1 2402MHz



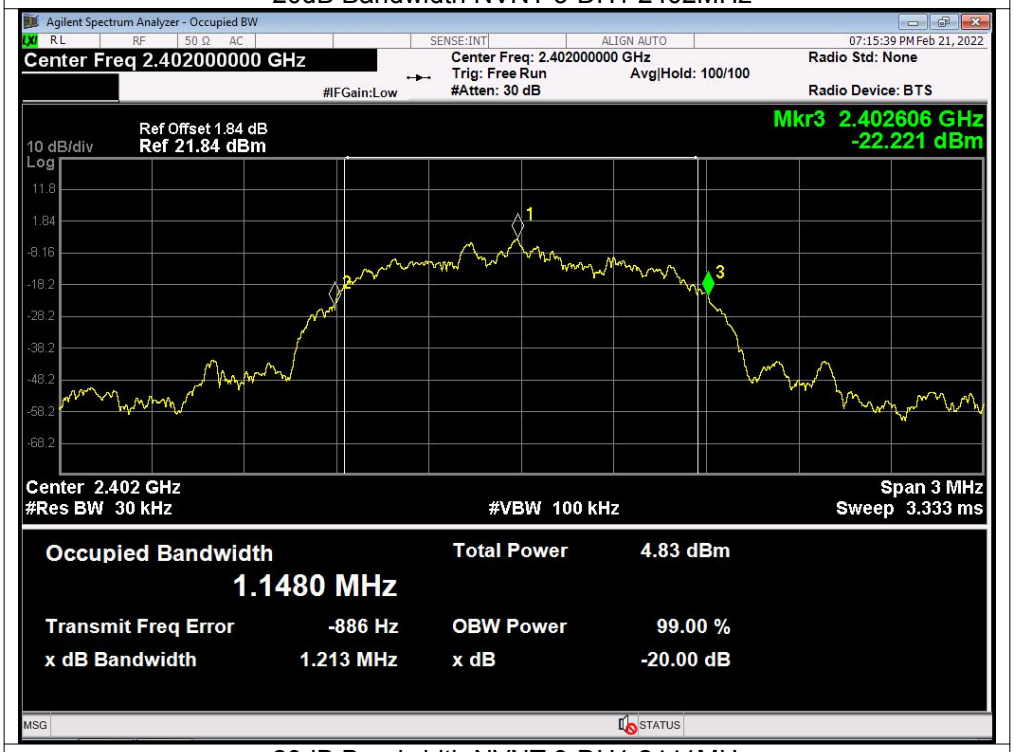
-20dB Bandwidth NVNT 2-DH1 2441MHz



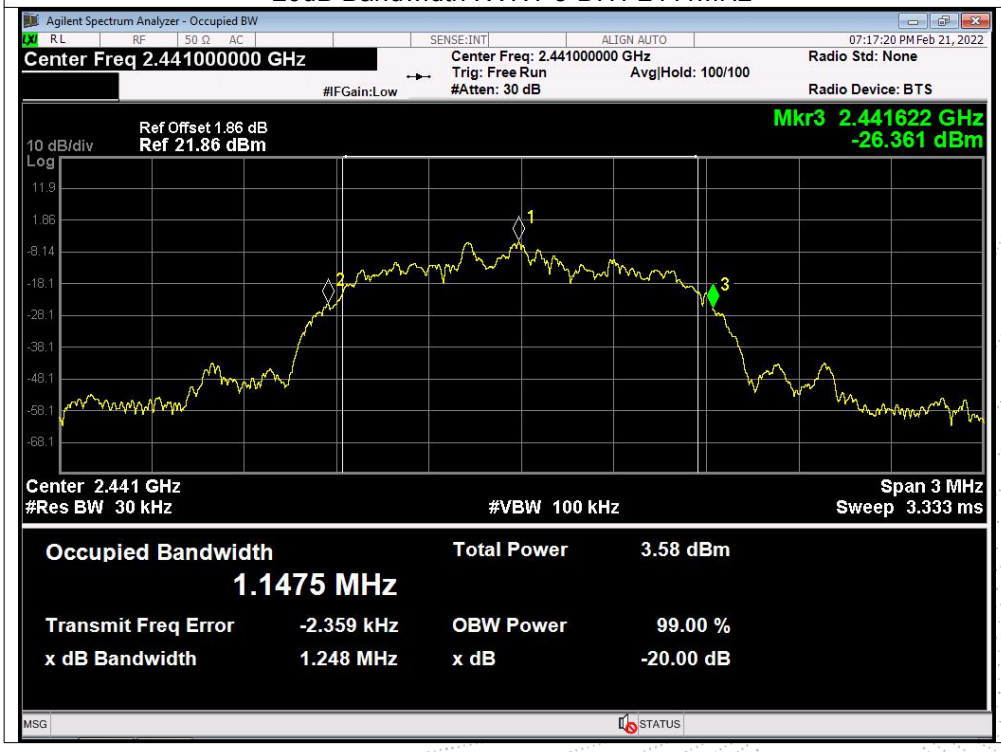
-20dB Bandwidth NVNT 2-DH1 2480MHz



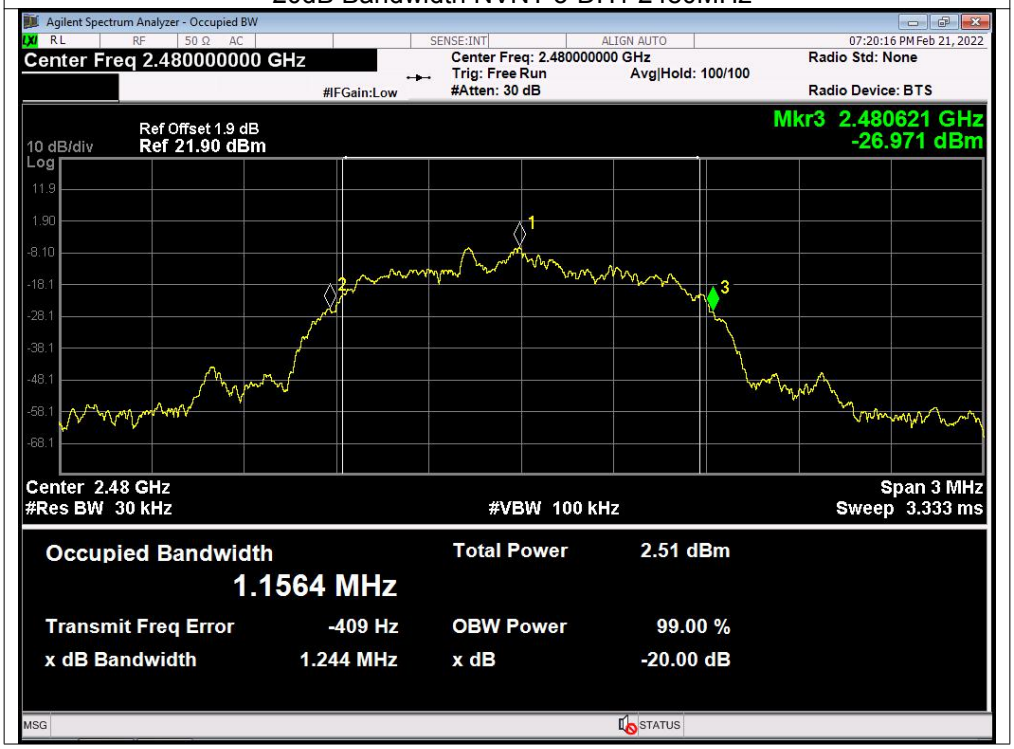
-20dB Bandwidth NVNT 3-DH1 2402MHz



-20dB Bandwidth NVNT 3-DH1 2441MHz

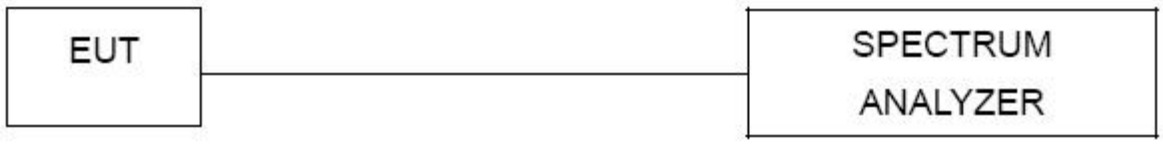


-20dB Bandwidth NVNT 3-DH1 2480MHz



11. Maximum Peak Output Power

11.1 Block Diagram Of Test Setup



11.2 Limit

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(1)	Peak Output Power	0.125 watt or 21dBm	2400-2483.5	PASS

11.3 Test procedure

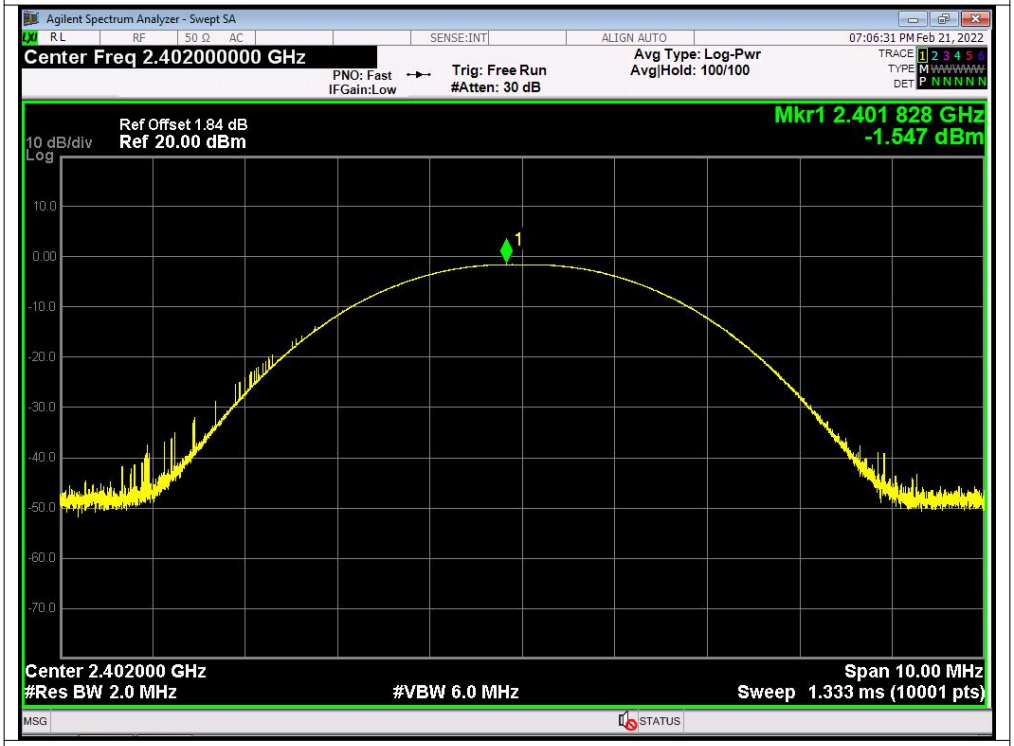
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.
2. Set the spectrum analyzer: RBW = 2MHz. VBW = 6MHz. Sweep = auto; Detector Function = Peak.
3. Keep the EUT in transmitting at lowest, medium and highest channel individually. Record the max value.

11.4 Test Result

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	-1.55	21	Pass
NVNT	1-DH1	2441	-2.72	21	Pass
NVNT	1-DH1	2480	-4.06	21	Pass
NVNT	2-DH1	2402	0.66	21	Pass
NVNT	2-DH1	2441	-0.54	21	Pass
NVNT	2-DH1	2480	-1.87	21	Pass
NVNT	3-DH1	2402	1.10	21	Pass
NVNT	3-DH1	2441	0.21	21	Pass
NVNT	3-DH1	2480	-1.14	21	Pass

Test Graphs

Power NVNT 1-DH1 2402MHz



Power NVNT 1-DH1 2441MHz