

RF Test Data for Bluetooth(BDR+EDR) (Conducted Measurements)

General Description of EUT	
Product Name:	Mu6 Ring Surreal open-ear Wireless Air Conduction sports headphones
Test Model:	Mu6 Ring Surreal
Sample ID:	RW-C-202212-0117-2-2#
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 3.7V
Test Engineer:	Zhou Hai Ting
Note: For a more detailed features description, please refer to the report TBR-C-202212-0117-2 The report only show the worst case data.	

Contents

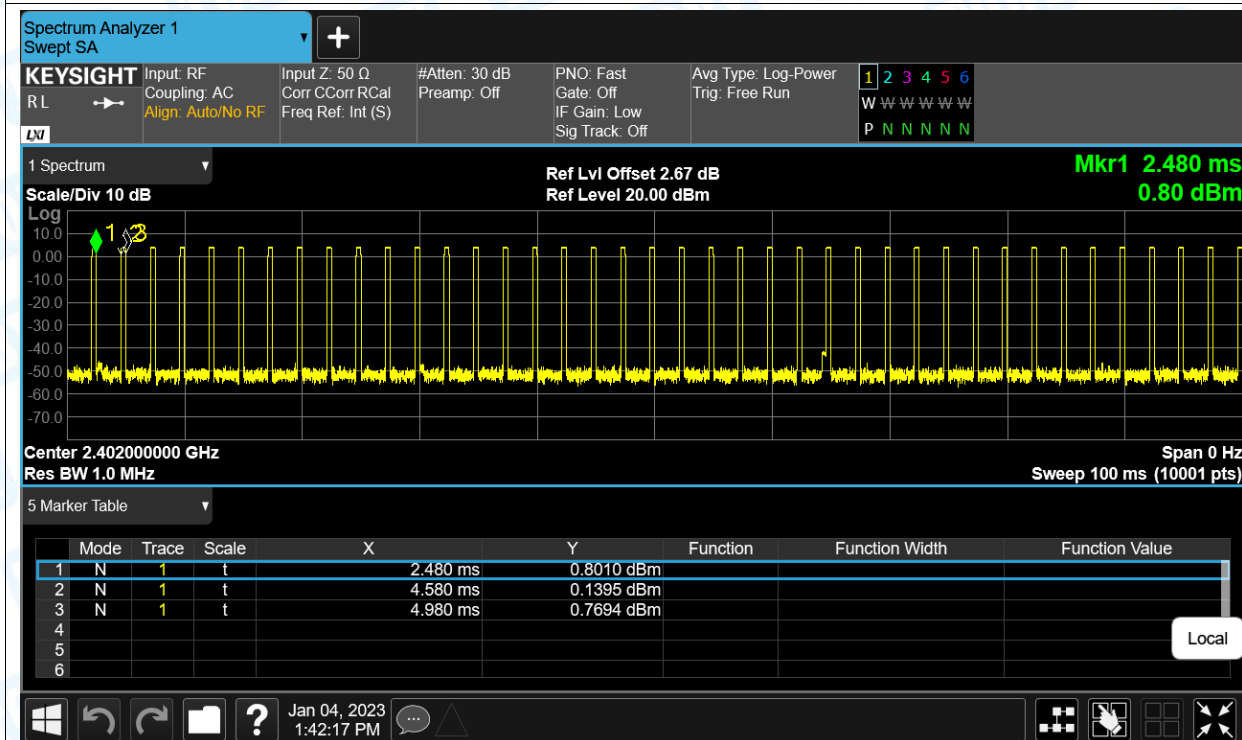
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1. Duty Cycle

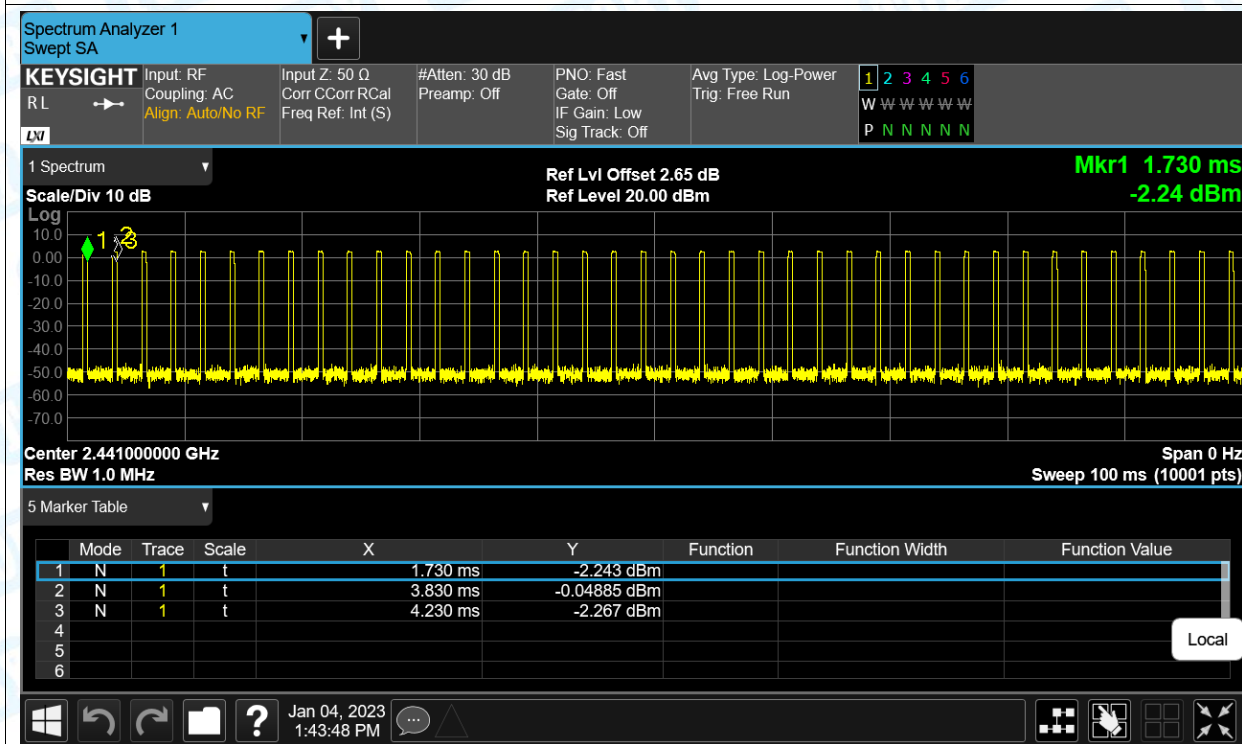
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH1	2402	Ant1	16	7.96	2.5
NVNT	1-DH1	2441	Ant1	16	7.96	2.5
NVNT	1-DH1	2480	Ant1	16	7.96	2.5
NVNT	2-DH1	2402	Ant1	16.4	7.85	2.44
NVNT	2-DH1	2441	Ant1	16.4	7.85	2.44
NVNT	2-DH1	2480	Ant1	16.4	7.85	2.44
NVNT	3-DH1	2402	Ant1	16.4	7.85	2.44
NVNT	3-DH1	2441	Ant1	16.4	7.85	2.44
NVNT	3-DH1	2480	Ant1	16.8	7.75	2.38

Test Graphs

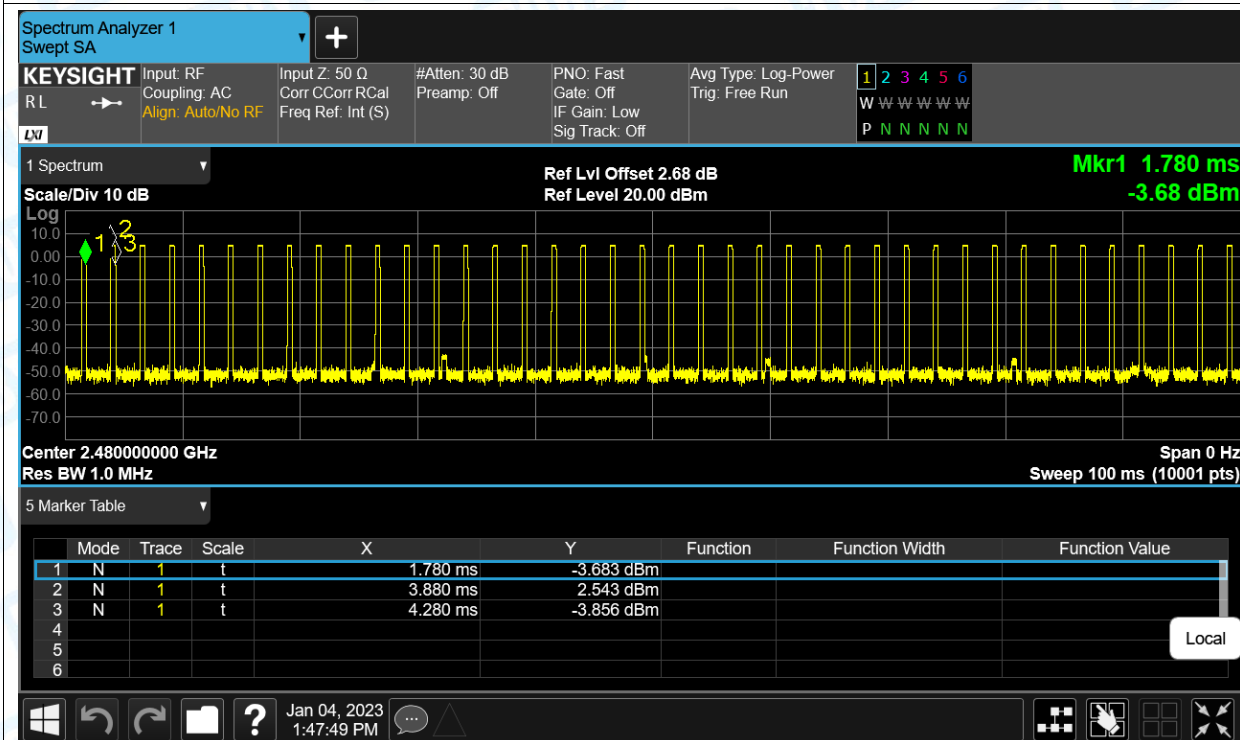
Duty Cycle NVNT 1-DH1 2402MHz Ant1



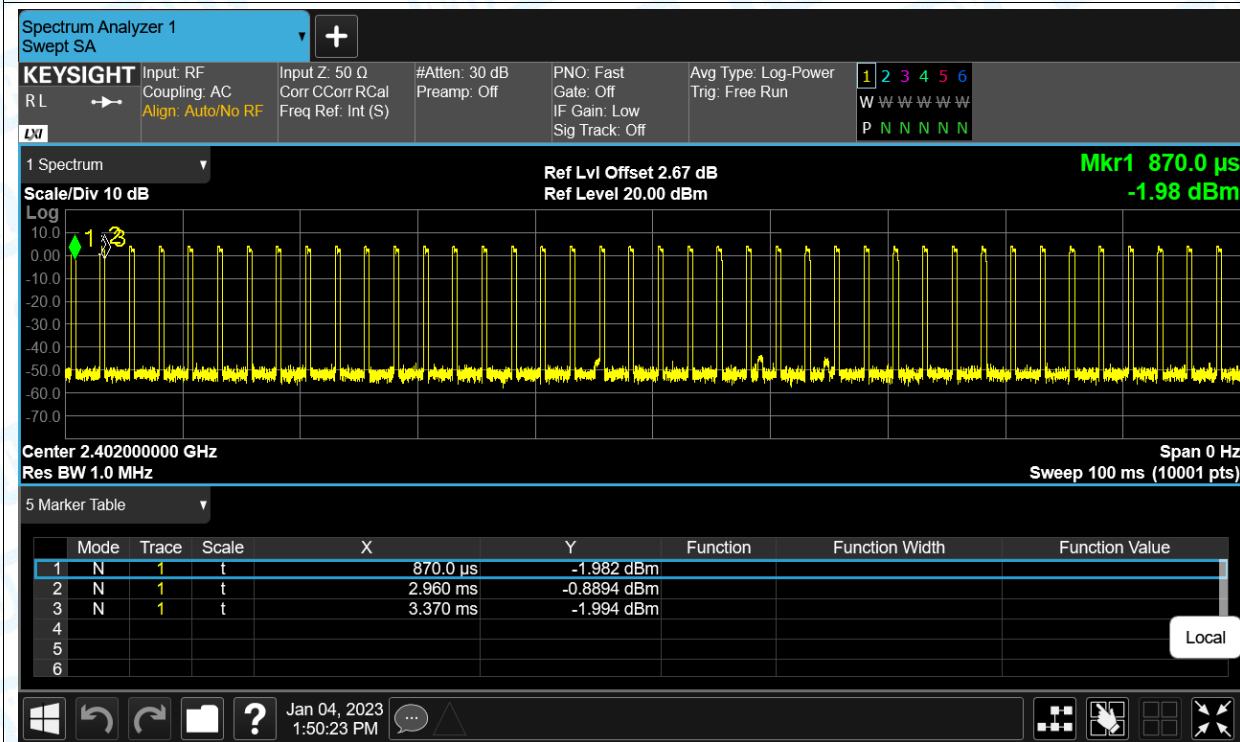
Duty Cycle NVNT 1-DH1 2441MHz Ant1



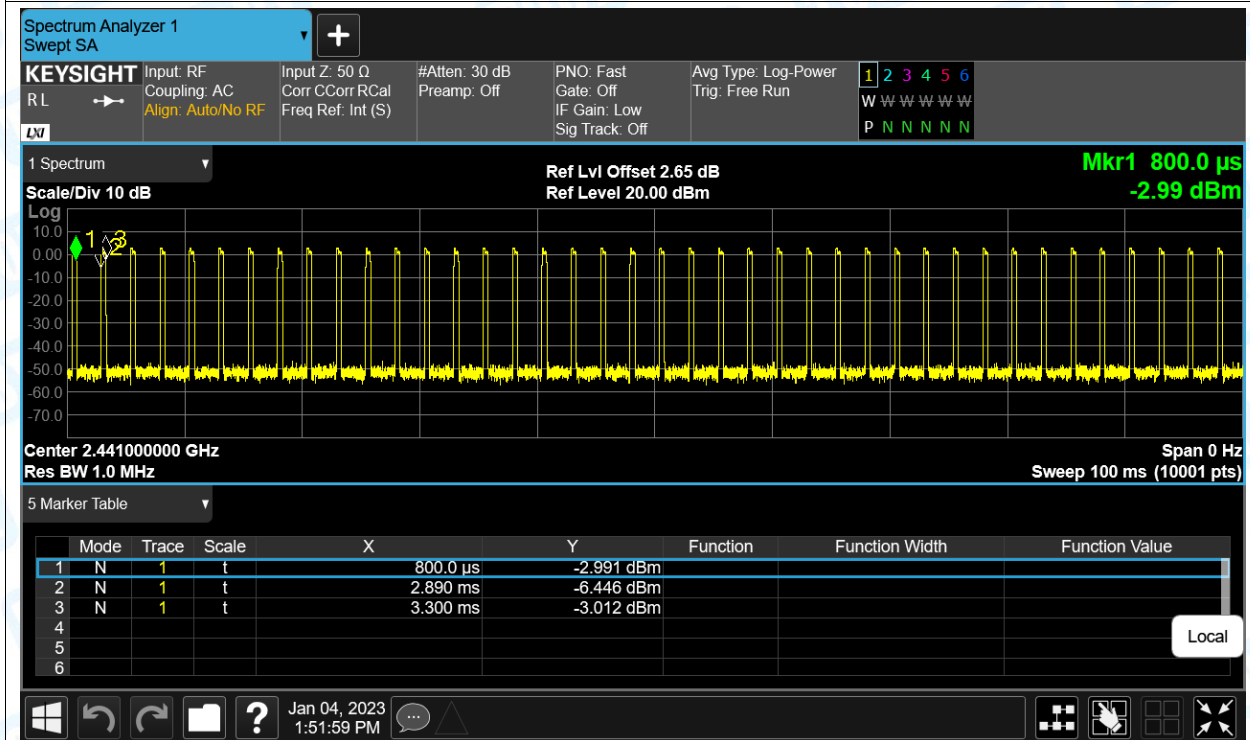
Duty Cycle NVNT 1-DH1 2480MHz Ant1



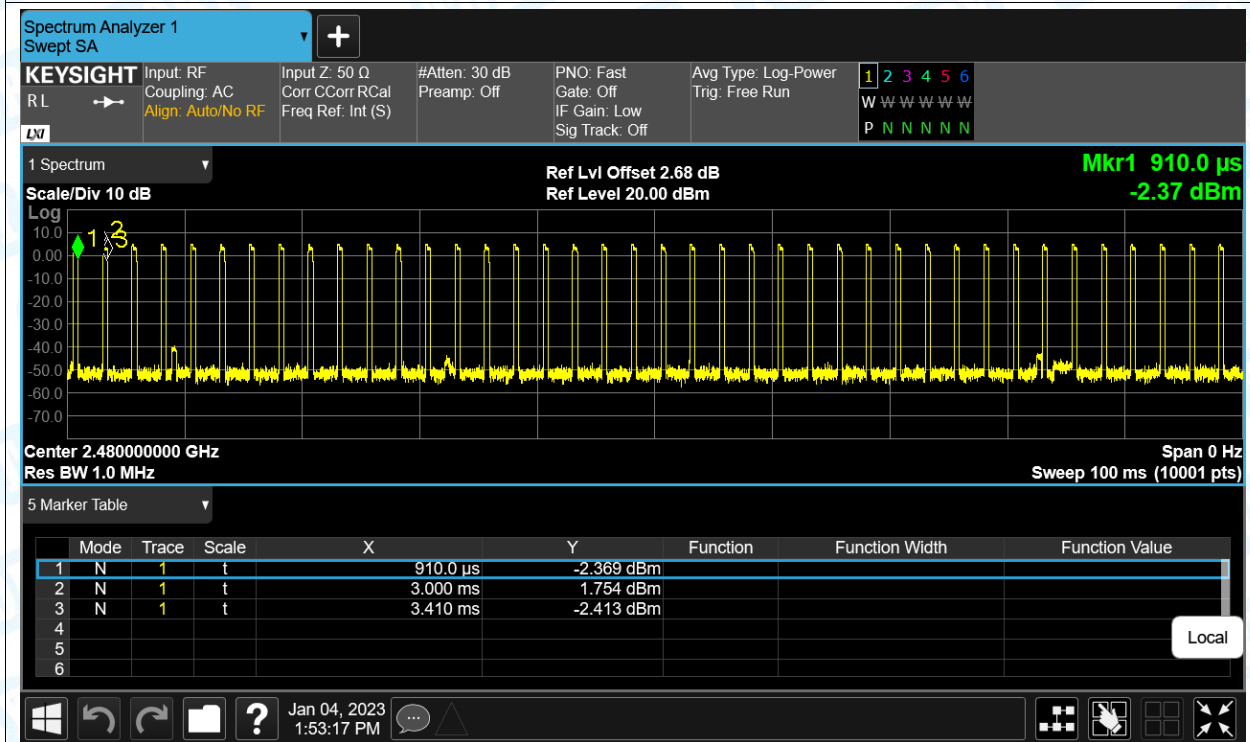
Duty Cycle NVNT 2-DH1 2402MHz Ant1



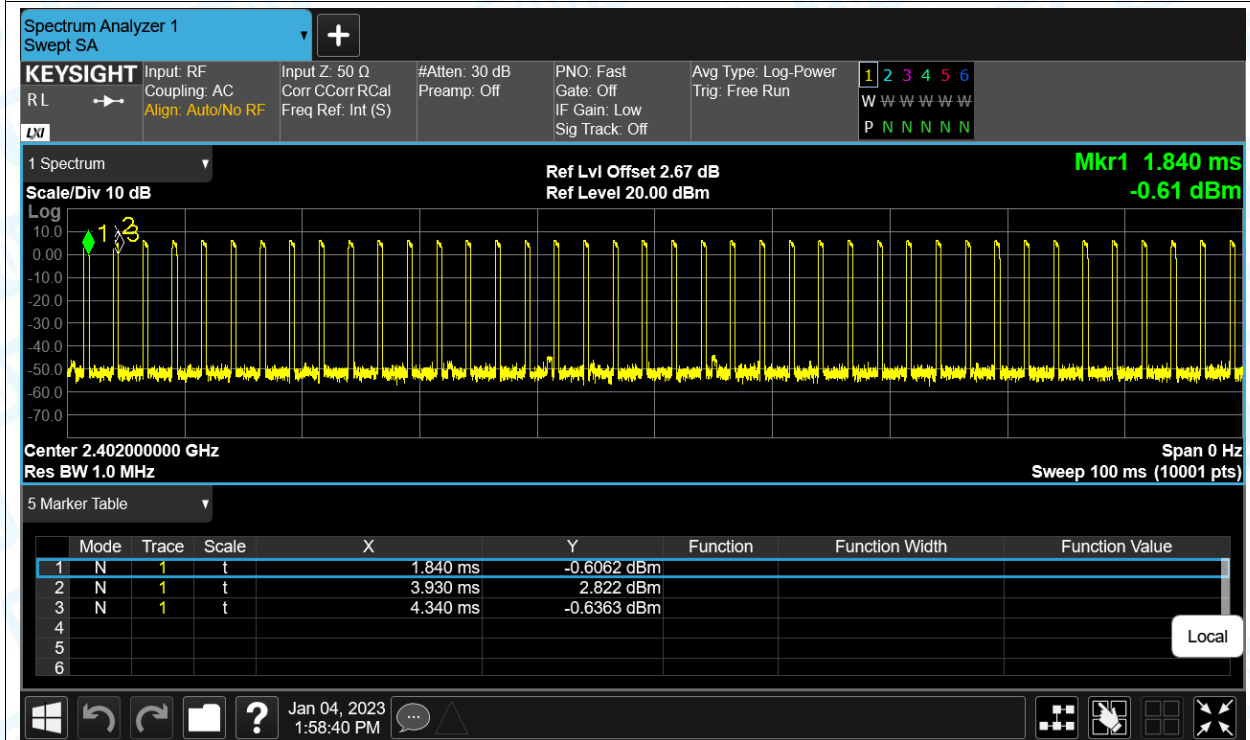
Duty Cycle NVNT 2-DH1 2441MHz Ant1



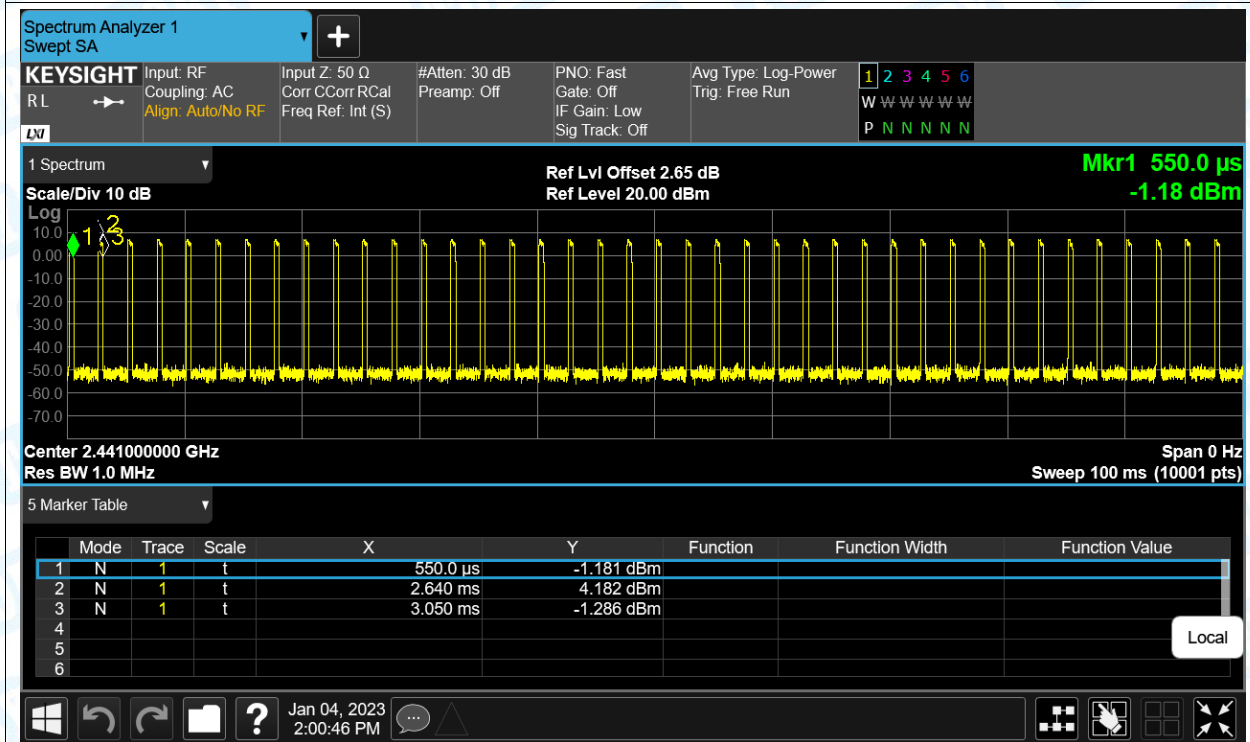
Duty Cycle NVNT 2-DH1 2480MHz Ant1



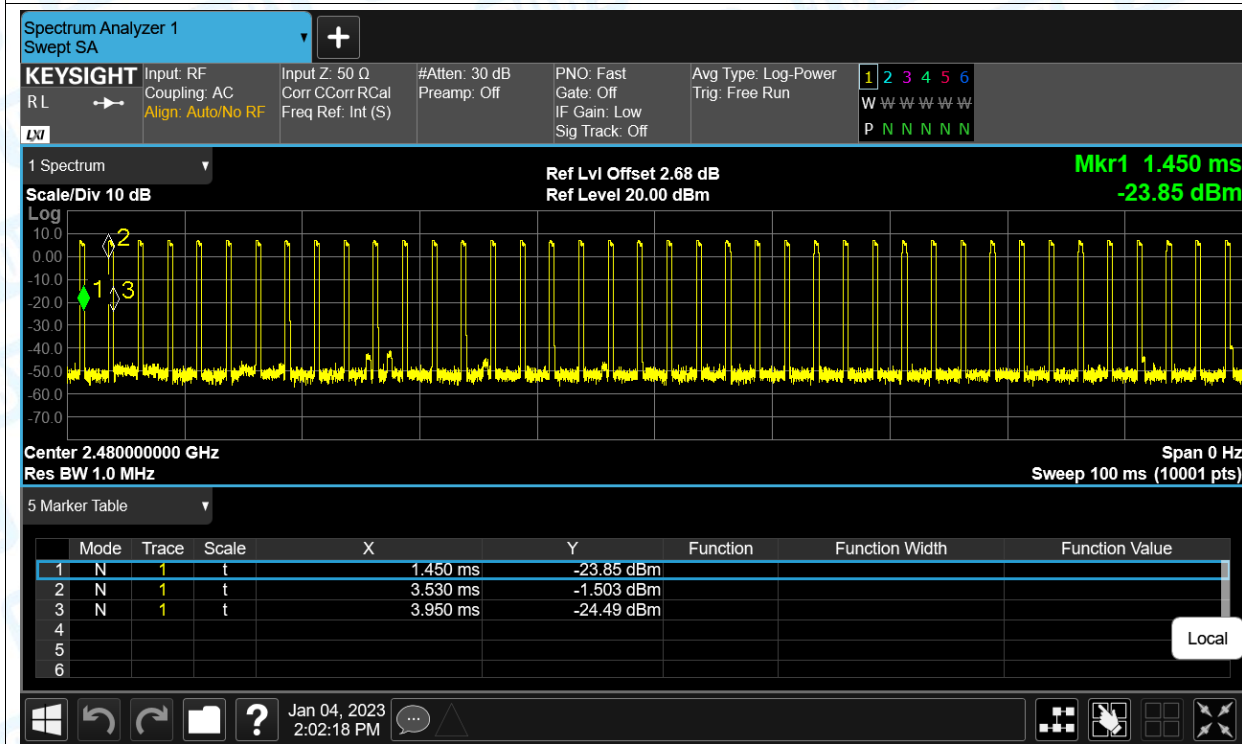
Duty Cycle NVNT 3-DH1 2402MHz Ant1



Duty Cycle NVNT 3-DH1 2441MHz Ant1



Duty Cycle NVNT 3-DH1 2480MHz Ant1

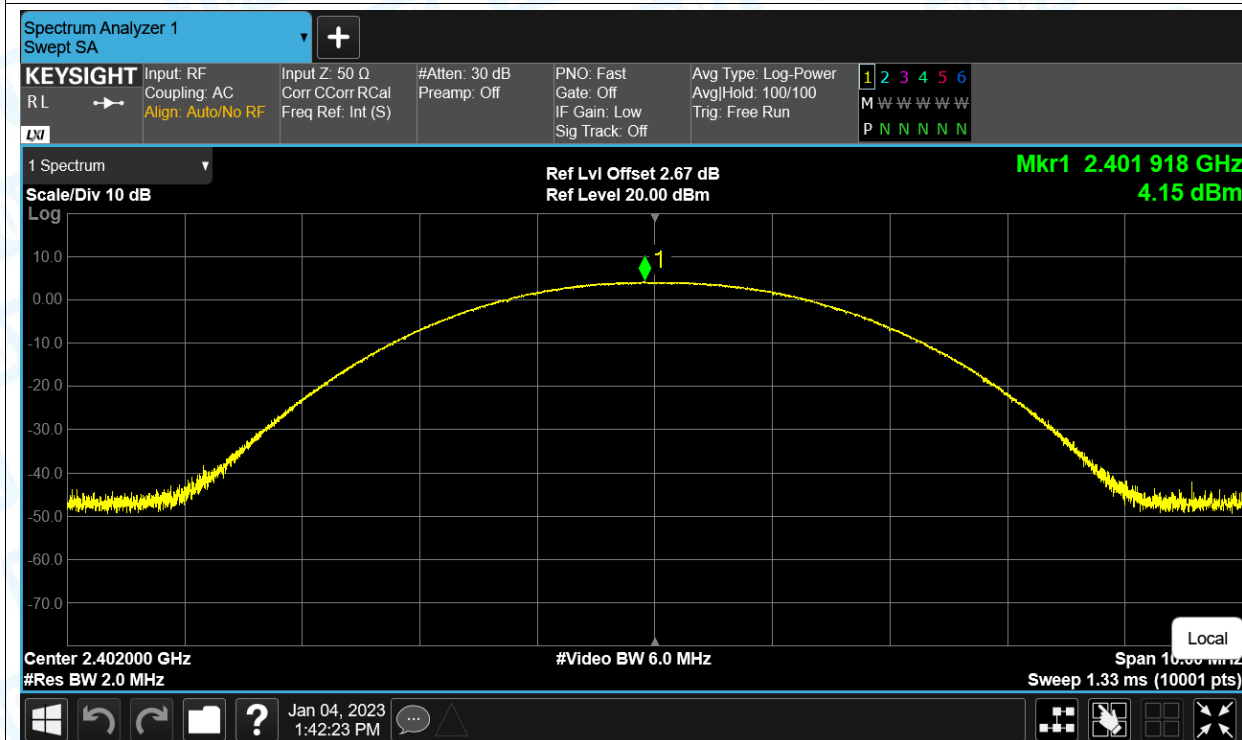


2. Maximum Conducted Output Power

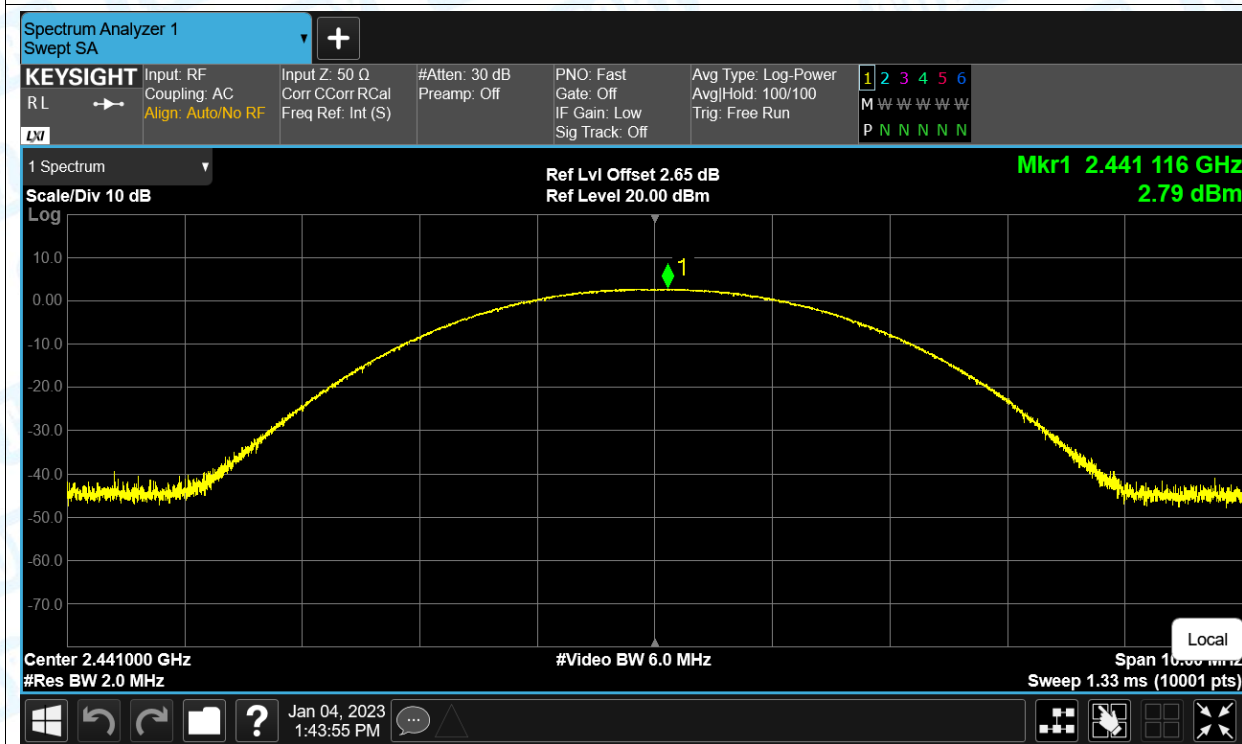
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	4.15	21	Pass
NVNT	1-DH1	2441	Ant1	2.79	21	Pass
NVNT	1-DH1	2480	Ant1	5.02	21	Pass
NVNT	2-DH1	2402	Ant1	4.22	21	Pass
NVNT	2-DH1	2441	Ant1	2.83	21	Pass
NVNT	2-DH1	2480	Ant1	7.30	21	Pass
NVNT	3-DH1	2402	Ant1	6.15	21	Pass
NVNT	3-DH1	2441	Ant1	6.85	21	Pass
NVNT	3-DH1	2480	Ant1	7.33	21	Pass

Test Graphs

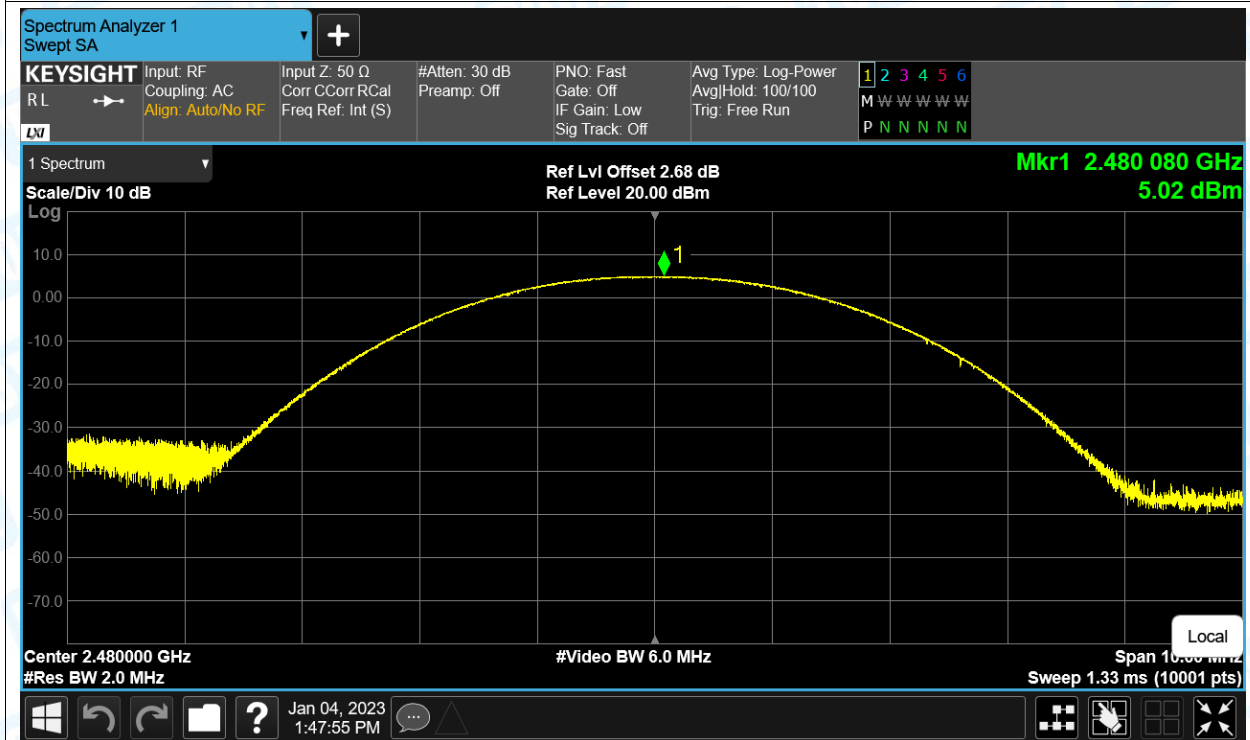
Power NVNT 1-DH1 2402MHz Ant1



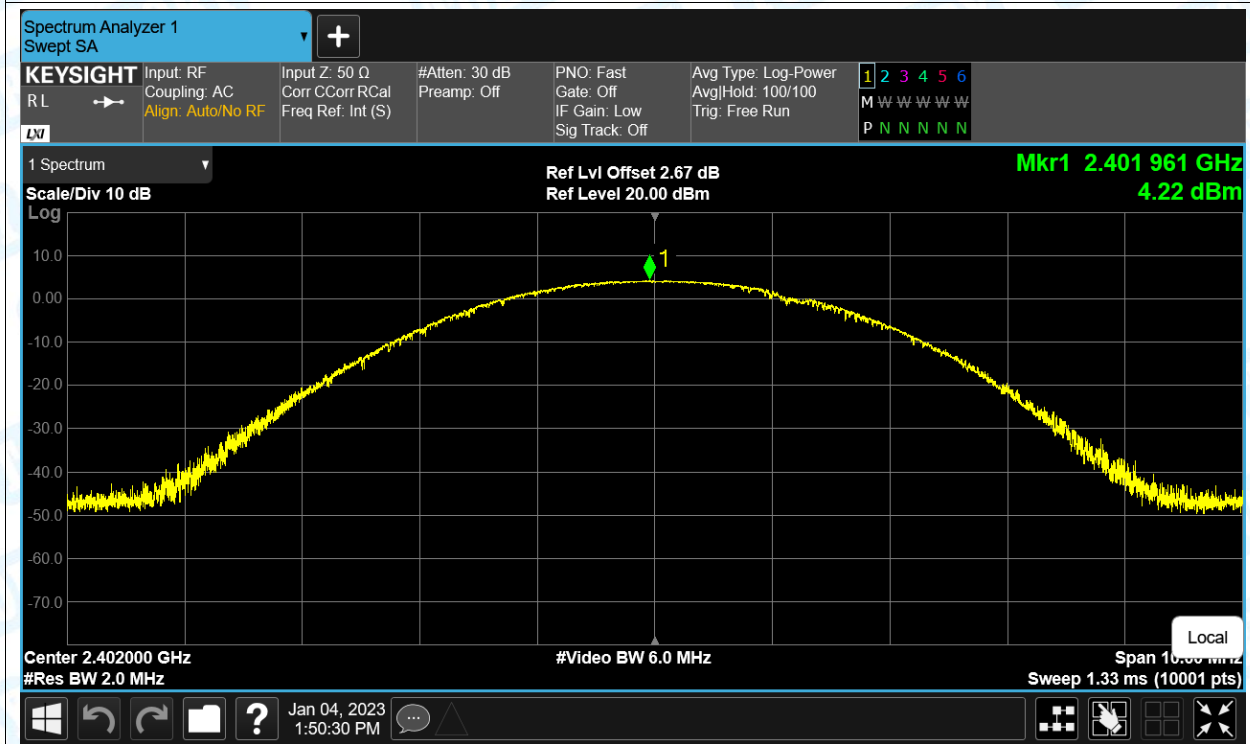
Power NVNT 1-DH1 2441MHz Ant1



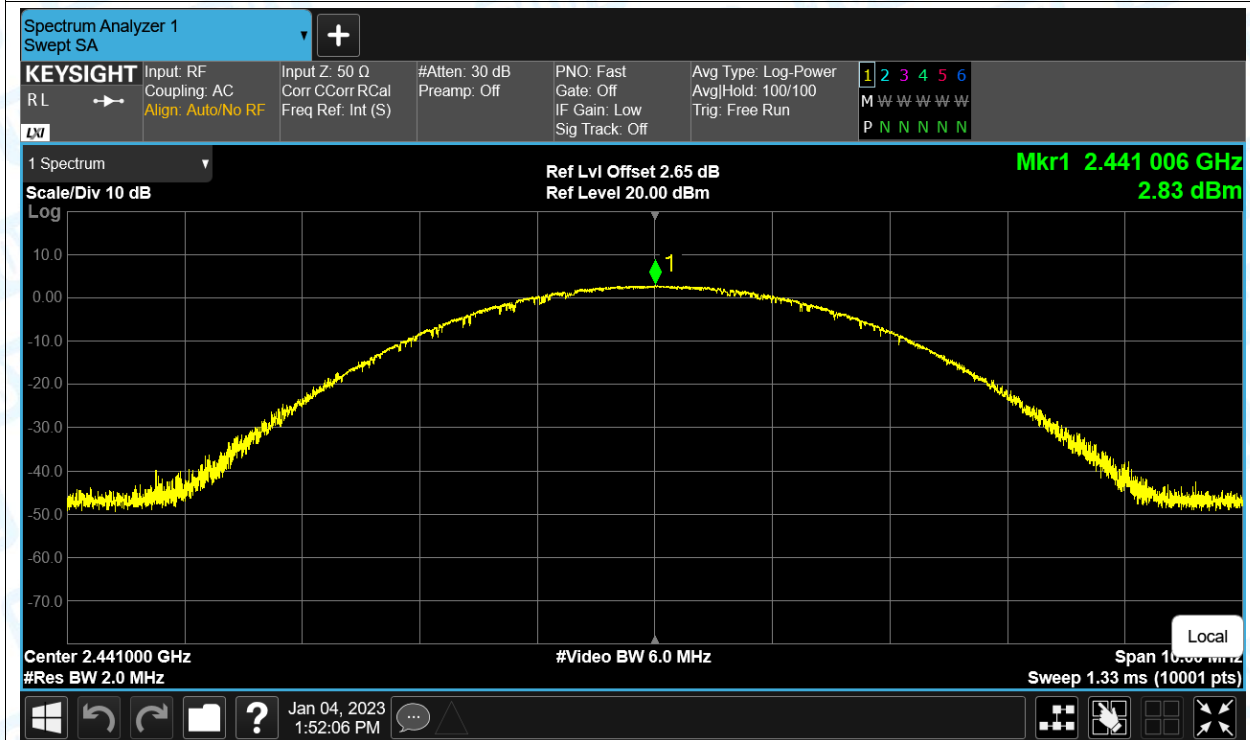
Power NVNT 1-DH1 2480MHz Ant1



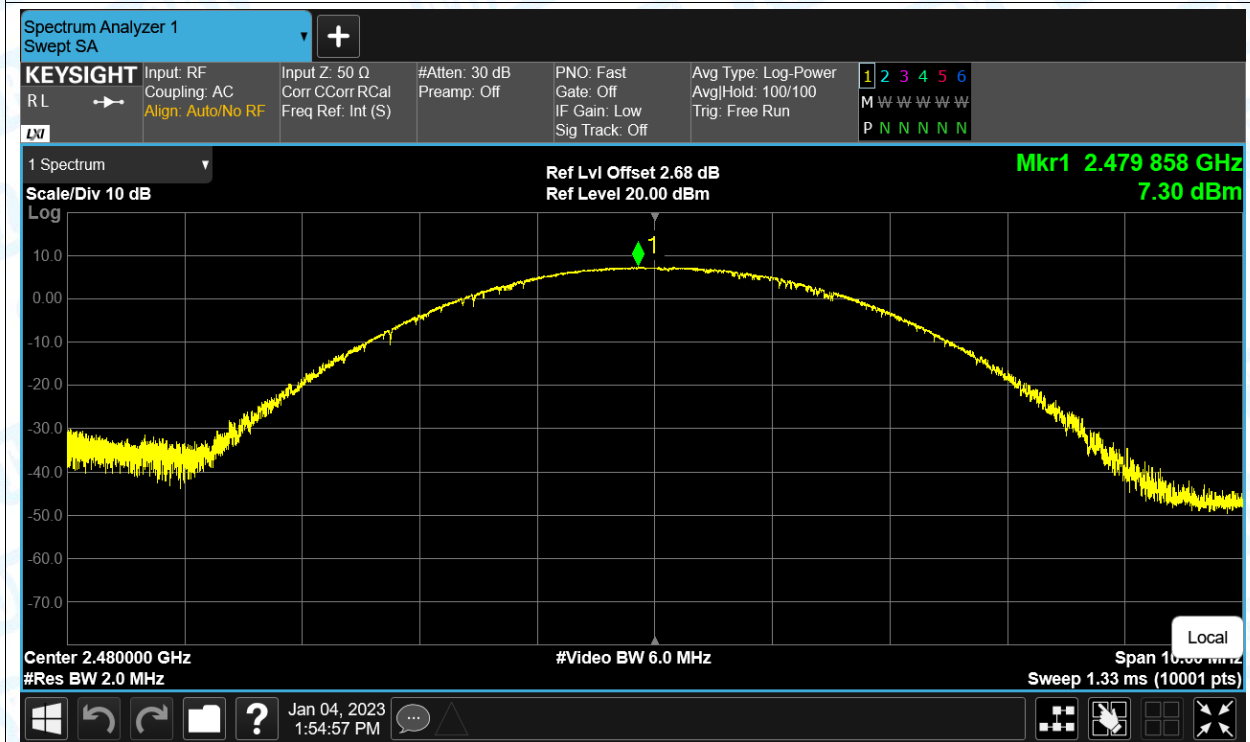
Power NVNT 2-DH1 2402MHz Ant1



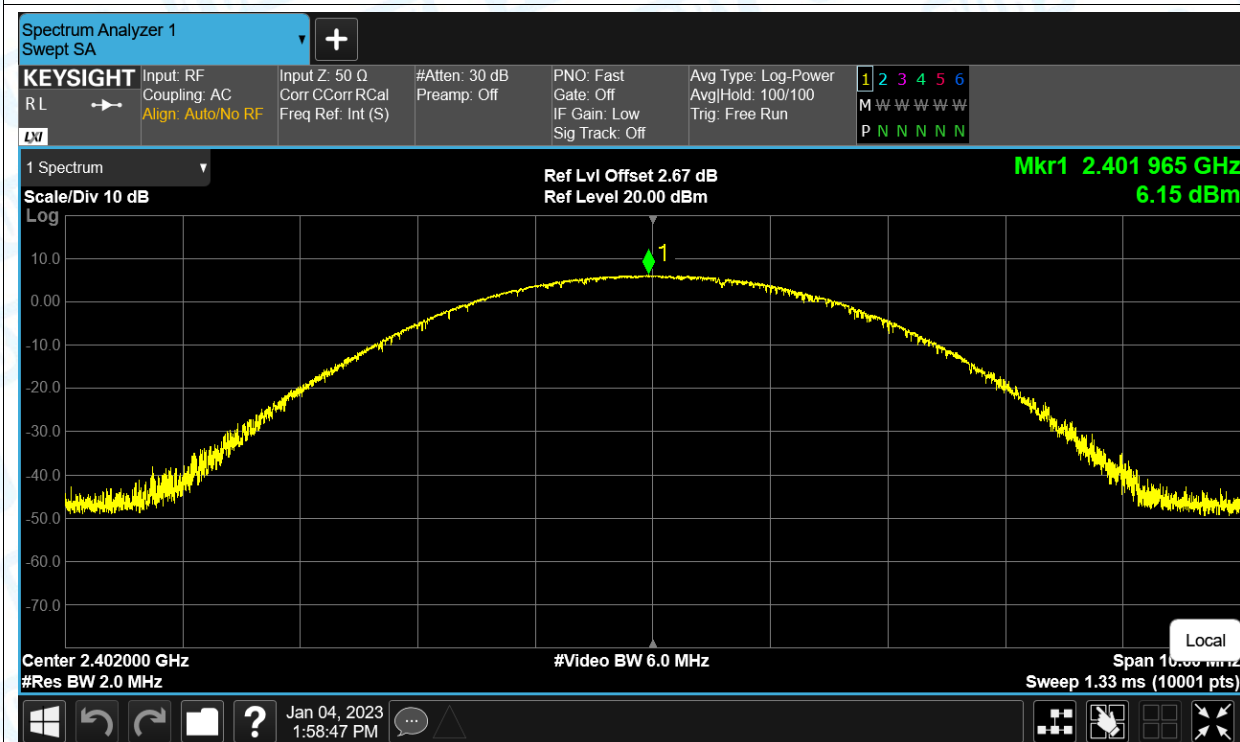
Power NVNT 2-DH1 2441MHz Ant1



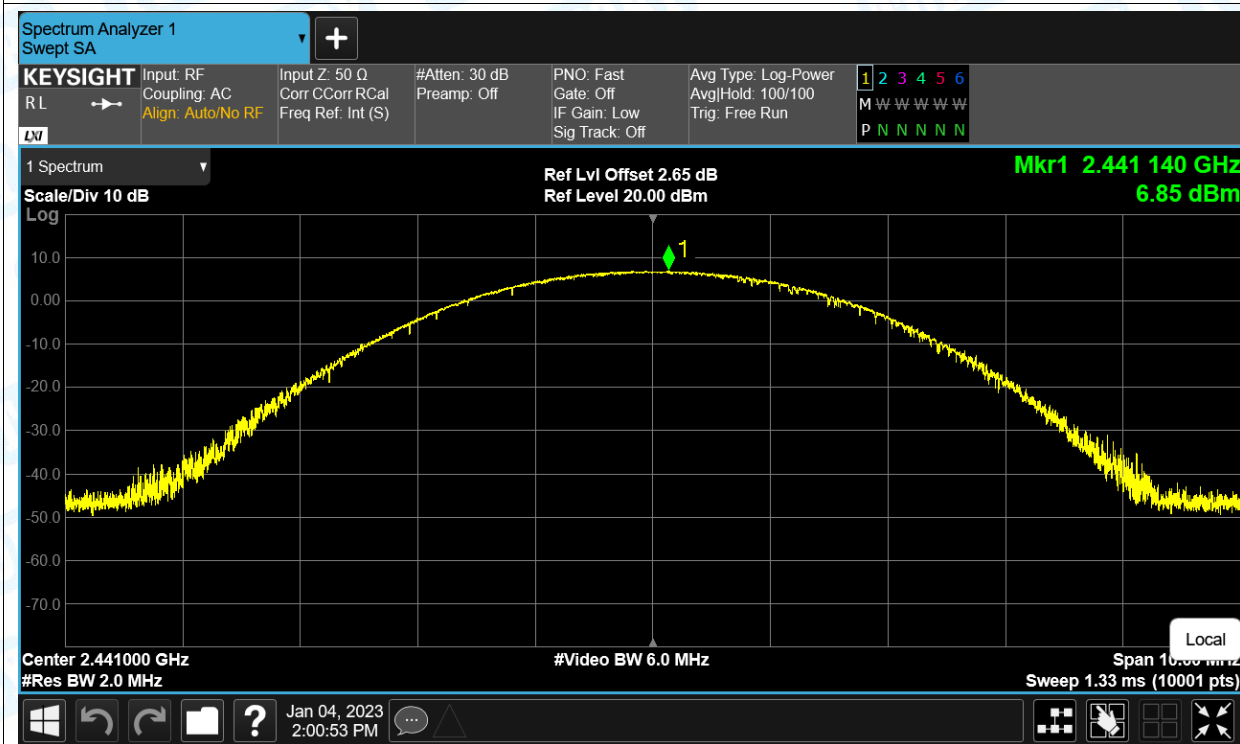
Power NVNT 2-DH1 2480MHz Ant1

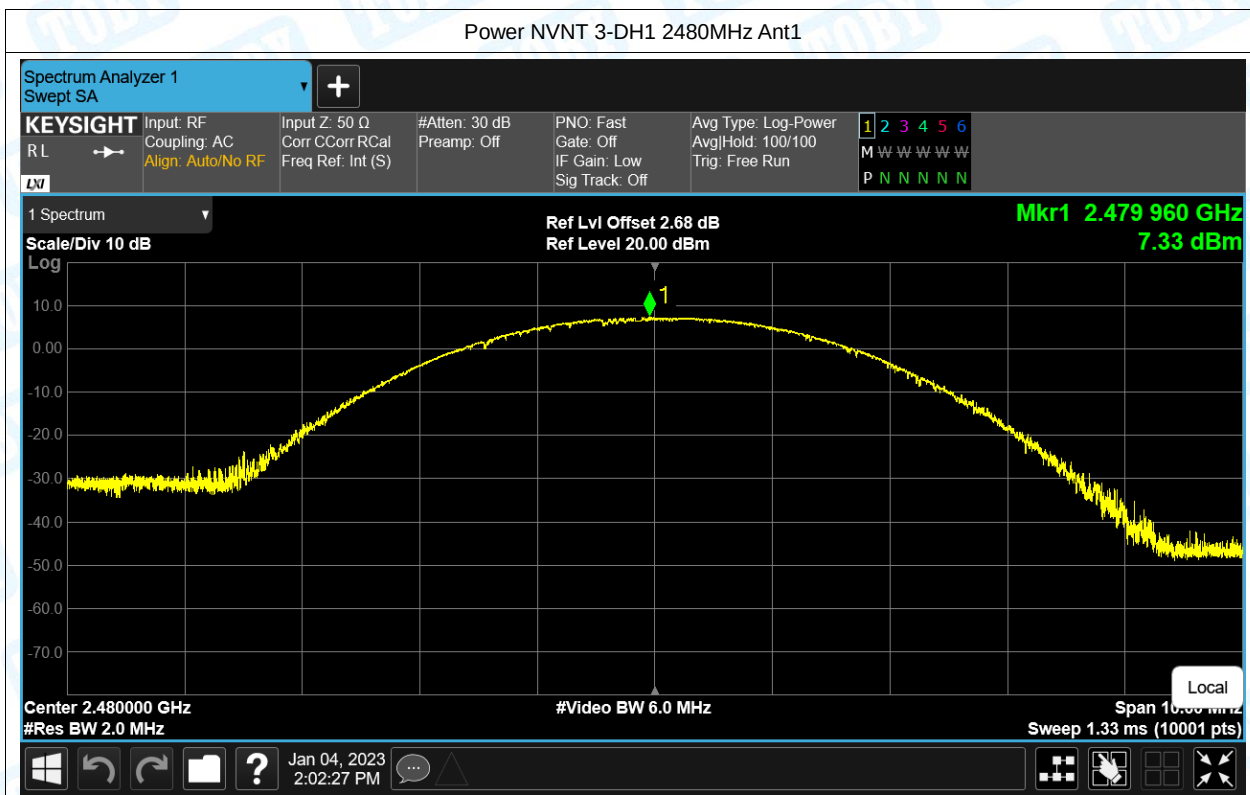


Power NVNT 3-DH1 2402MHz Ant1



Power NVNT 3-DH1 2441MHz Ant1



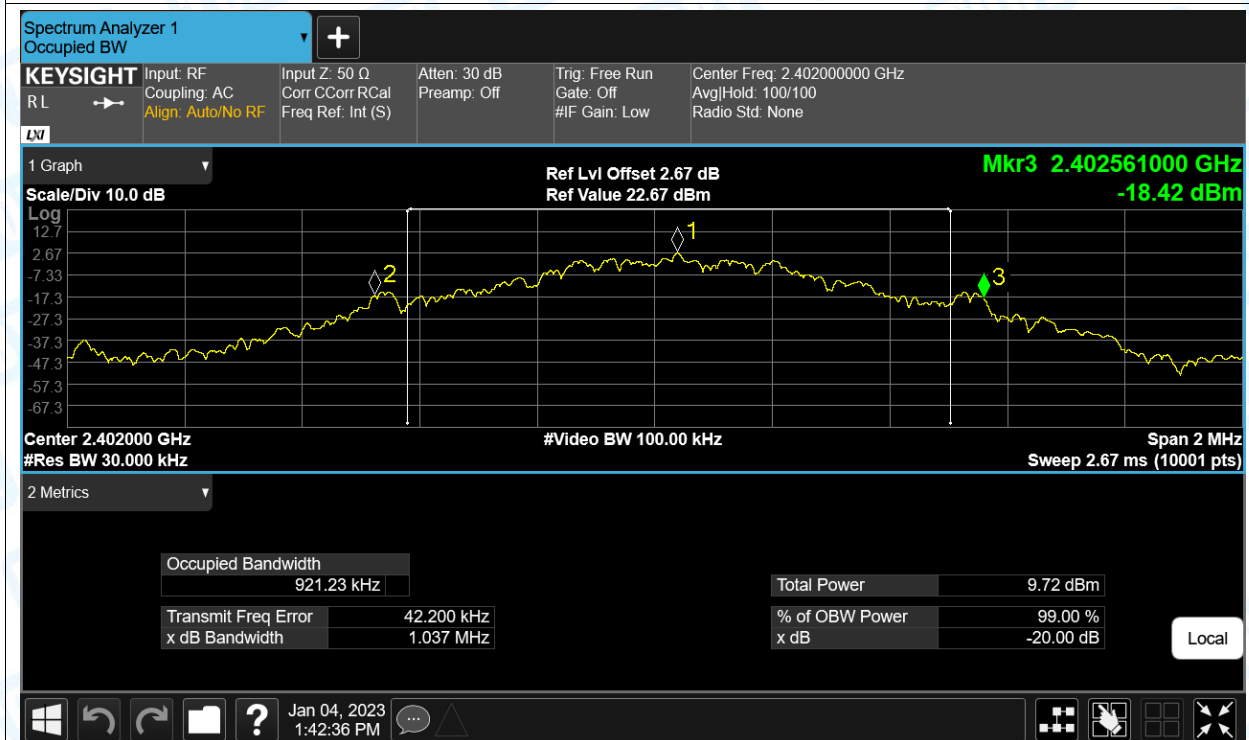


3. -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	1.04	----	Pass
NVNT	1-DH1	2441	Ant1	1.00	----	Pass
NVNT	1-DH1	2480	Ant1	1.02	----	Pass
NVNT	2-DH1	2402	Ant1	1.17	----	Pass
NVNT	2-DH1	2441	Ant1	1.17	----	Pass
NVNT	2-DH1	2480	Ant1	1.17	----	Pass
NVNT	3-DH1	2402	Ant1	1.16	----	Pass
NVNT	3-DH1	2441	Ant1	1.14	----	Pass
NVNT	3-DH1	2480	Ant1	1.16	----	Pass

Test Graphs

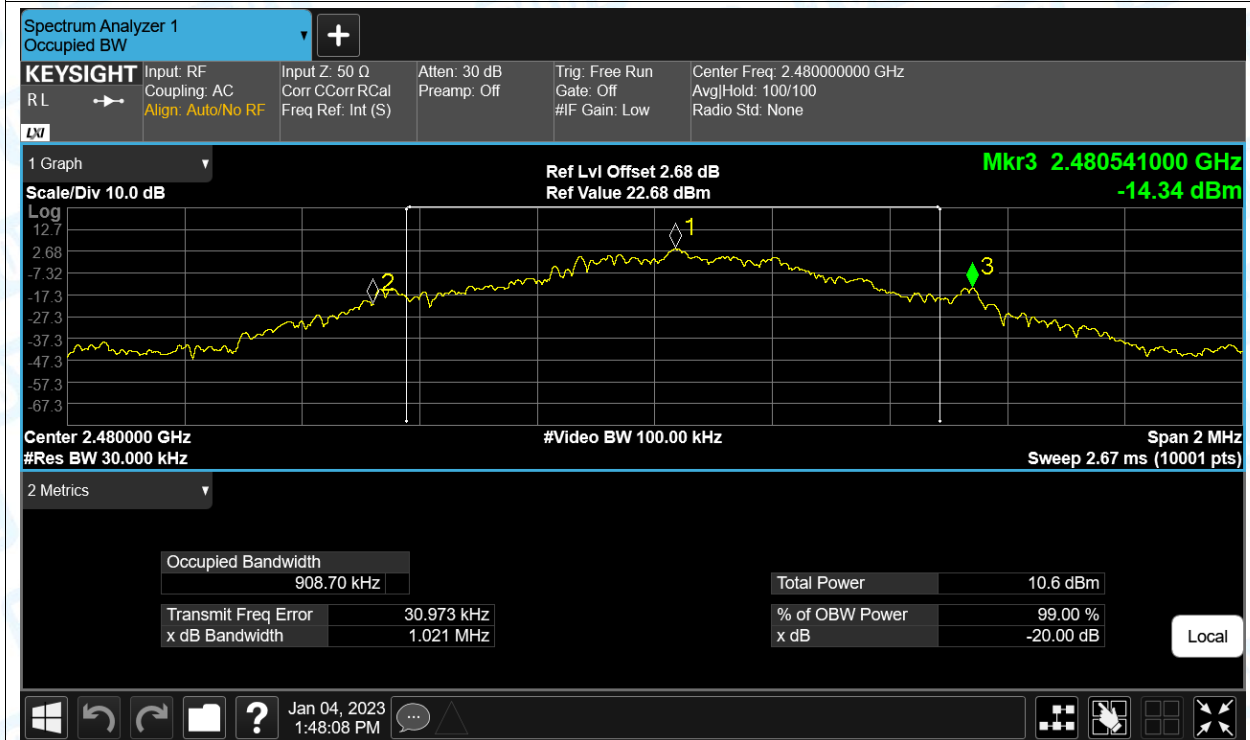
-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



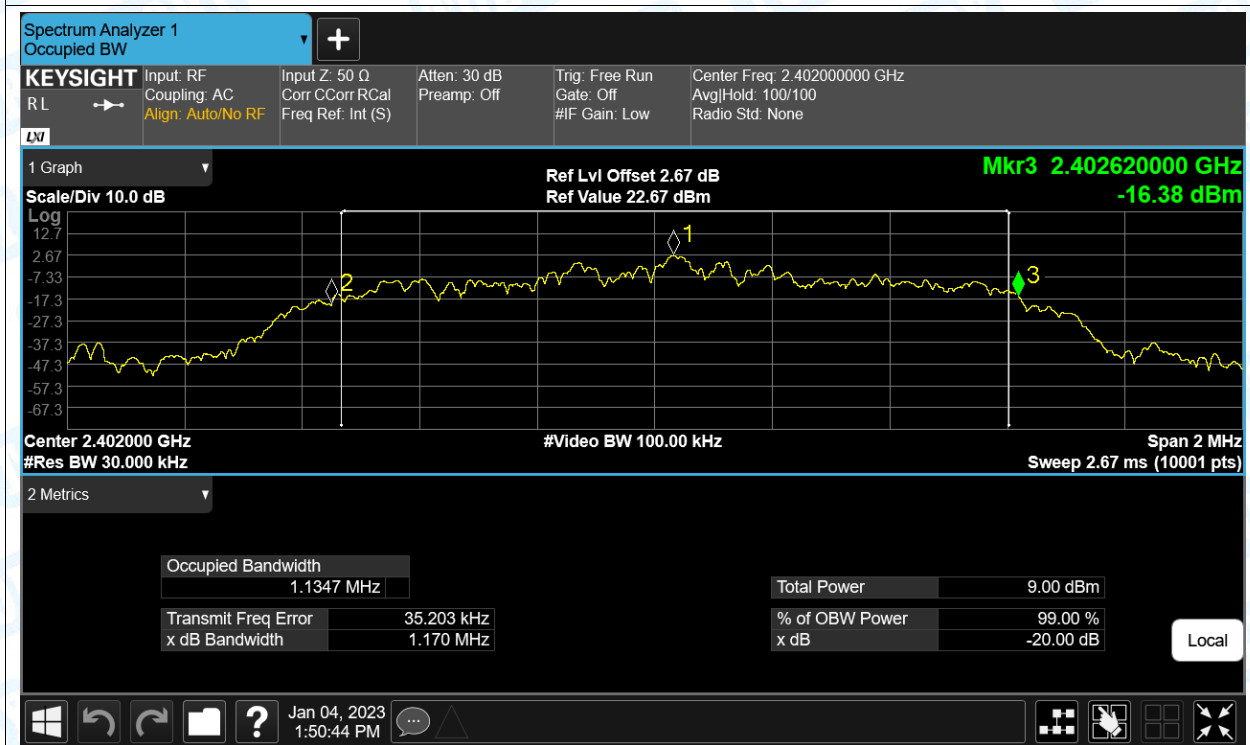
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



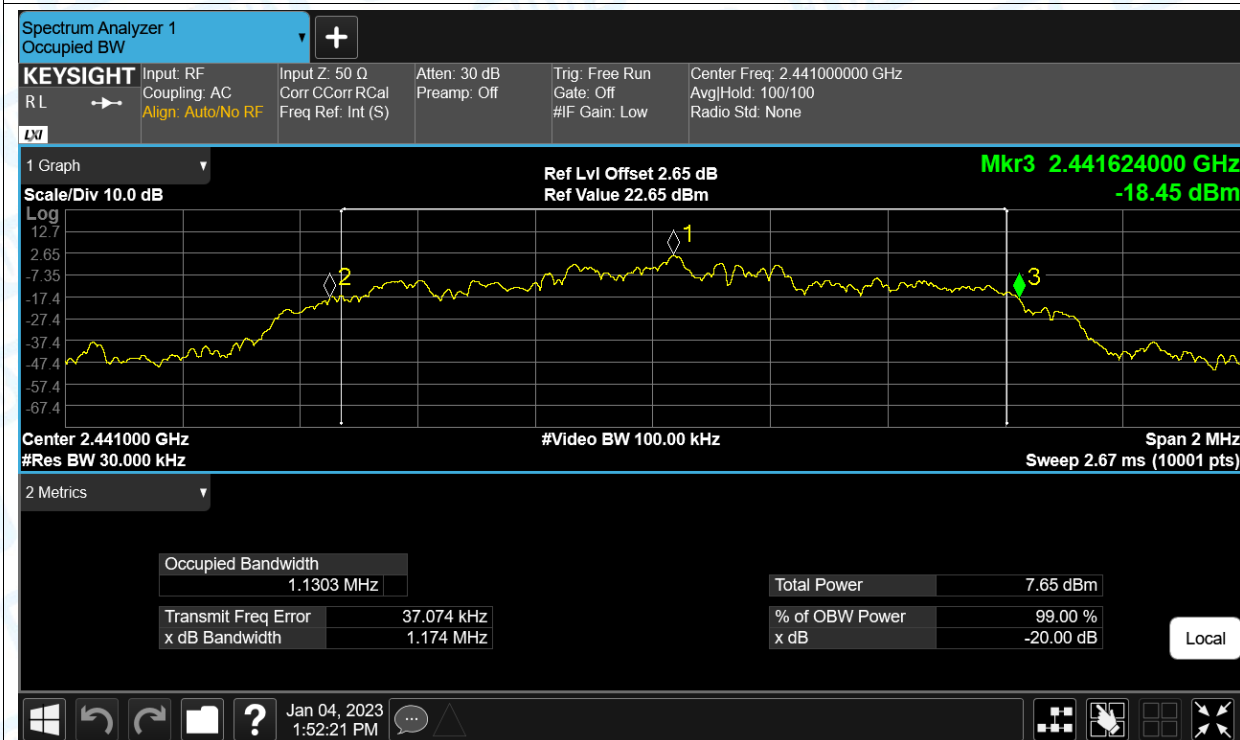
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



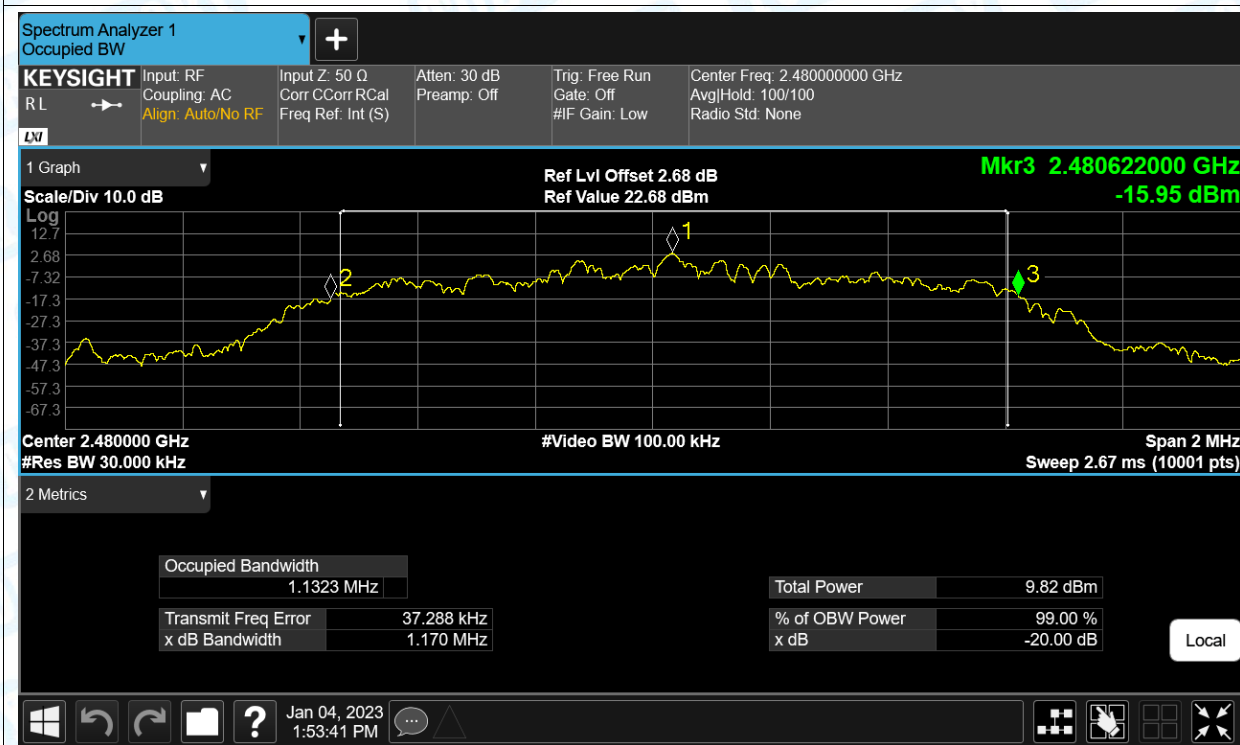
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



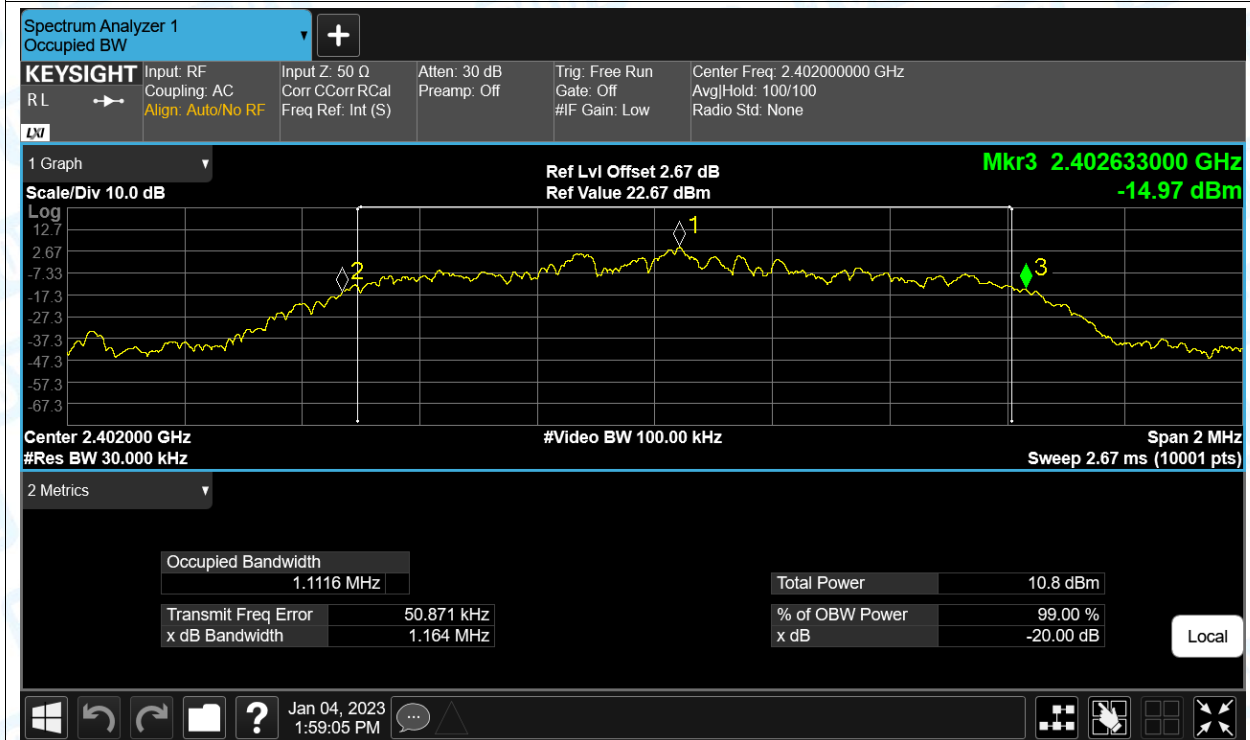
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



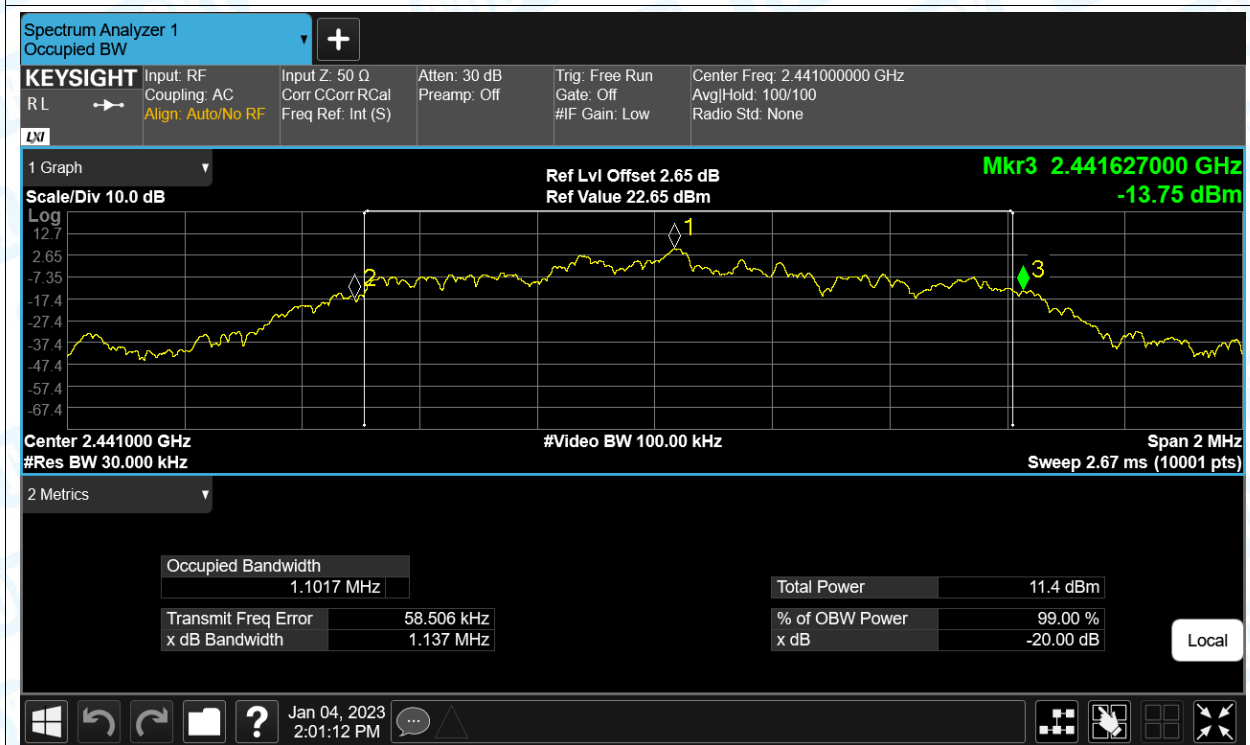
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1

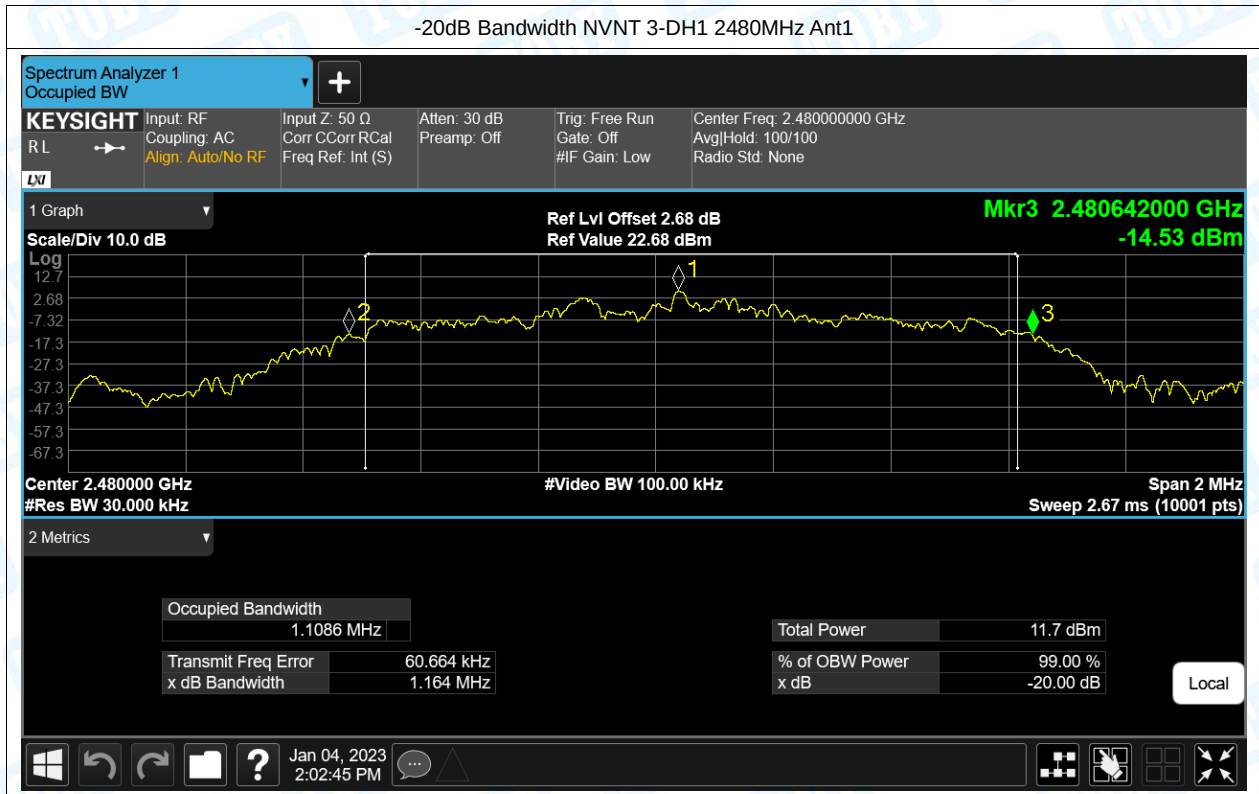


-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1





4. Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.906
NVNT	1-DH1	2441	Ant1	0.948
NVNT	1-DH1	2480	Ant1	0.952
NVNT	2-DH1	2402	Ant1	1.117
NVNT	2-DH1	2441	Ant1	1.113
NVNT	2-DH1	2480	Ant1	1.104
NVNT	3-DH1	2402	Ant1	1.11
NVNT	3-DH1	2441	Ant1	1.103
NVNT	3-DH1	2480	Ant1	1.062

Test Graphs

OBW NVNT 1-DH1 2402MHz Ant1



OBW NVNT 1-DH1 2441MHz Ant1



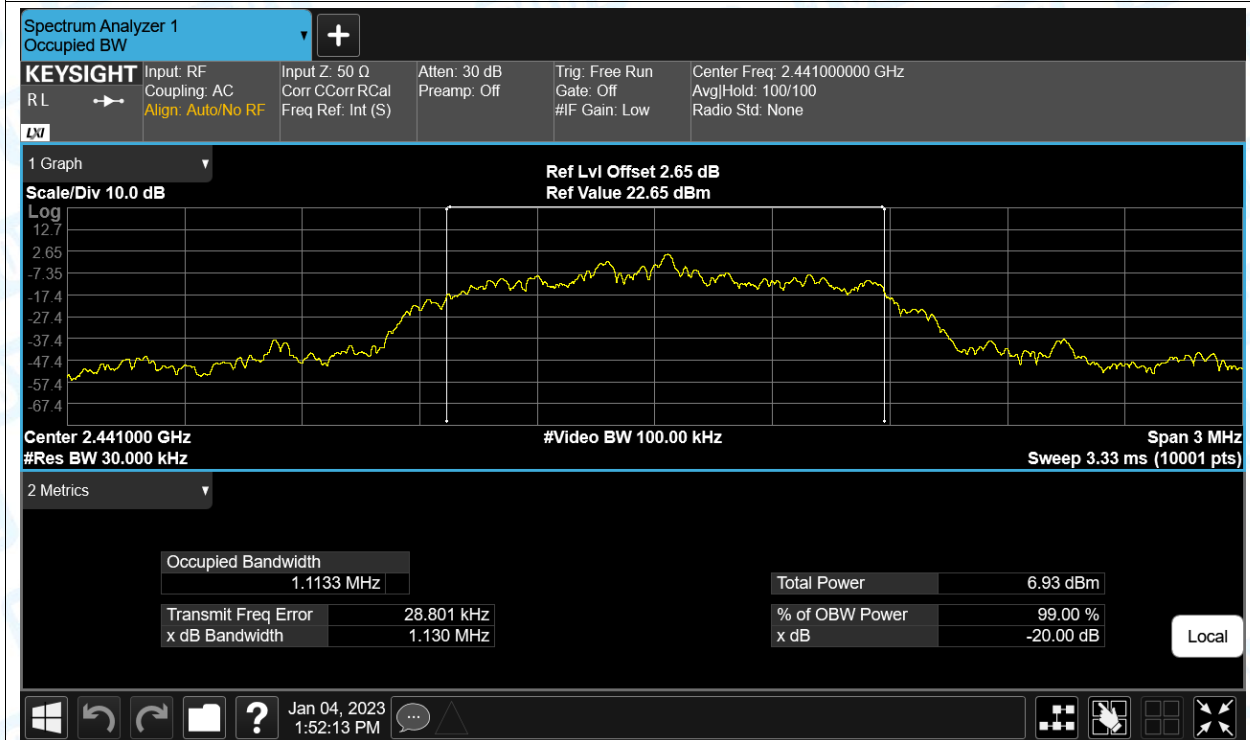
OBW NVNT 1-DH1 2480MHz Ant1



OBW NVNT 2-DH1 2402MHz Ant1



OBW NVNT 2-DH1 2441MHz Ant1



OBW NVNT 2-DH1 2480MHz Ant1

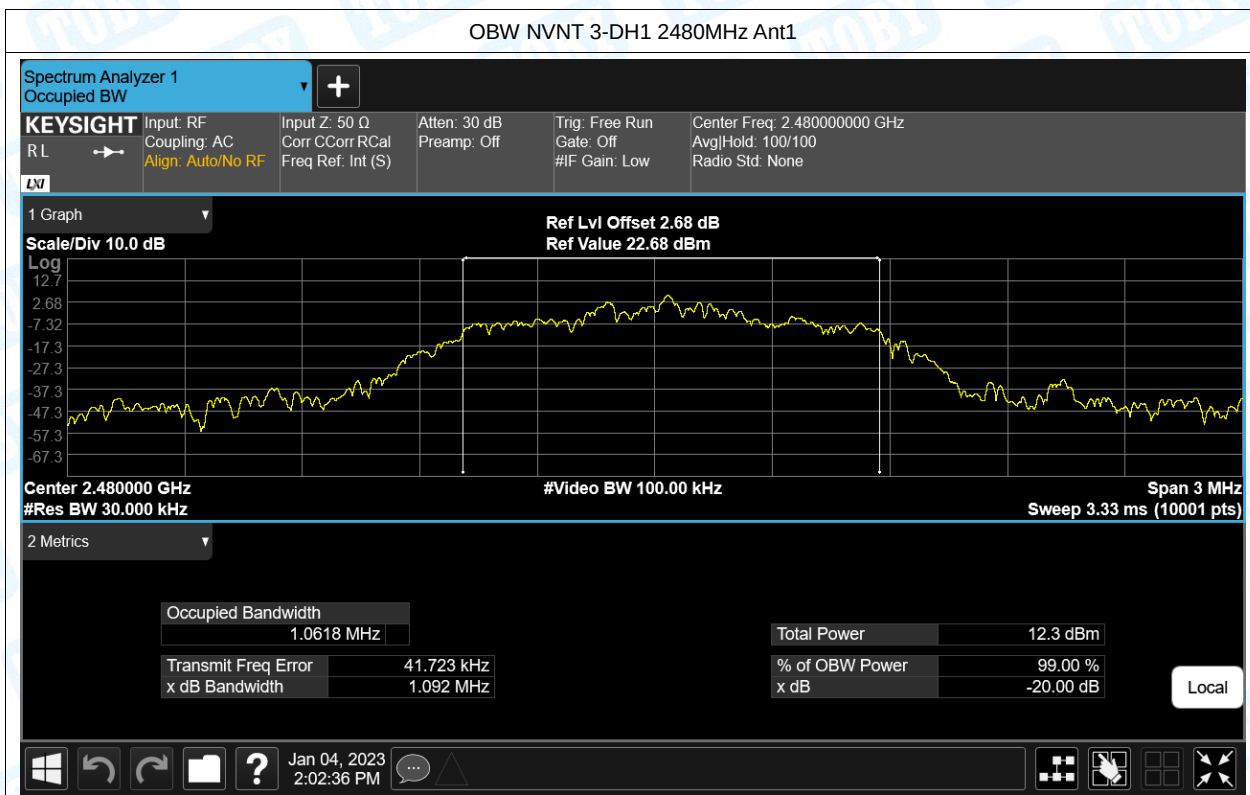


OBW NVNT 3-DH1 2402MHz Ant1



OBW NVNT 3-DH1 2441MHz Ant1



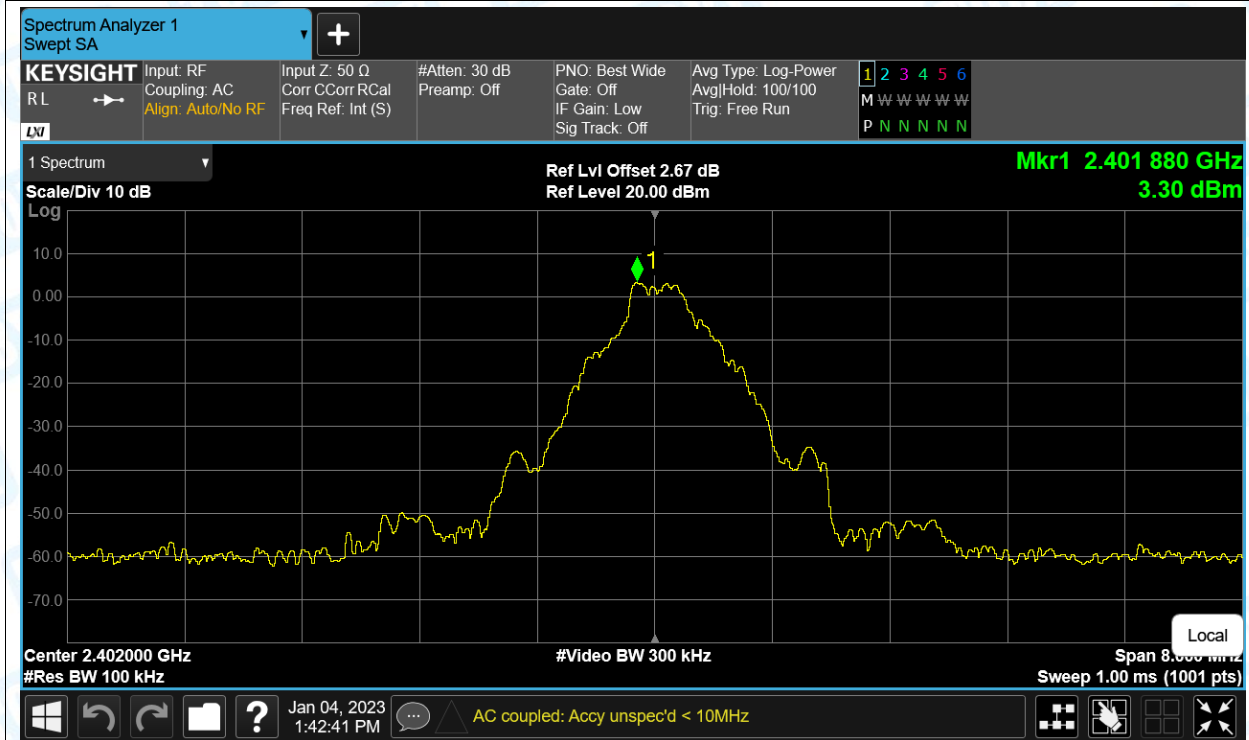


5. Band Edge

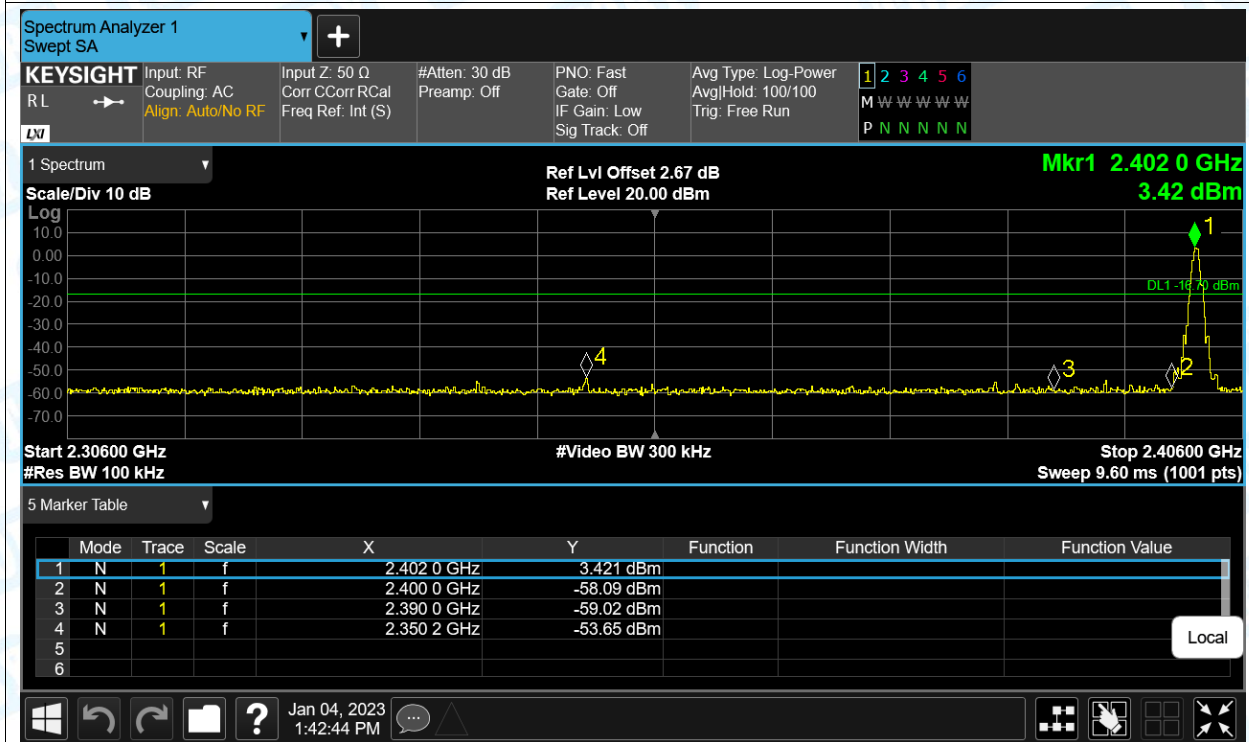
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-56.95	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-61.26	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-59.02	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-61.76	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-60.24	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-61.38	-20	Pass

Test Graphs

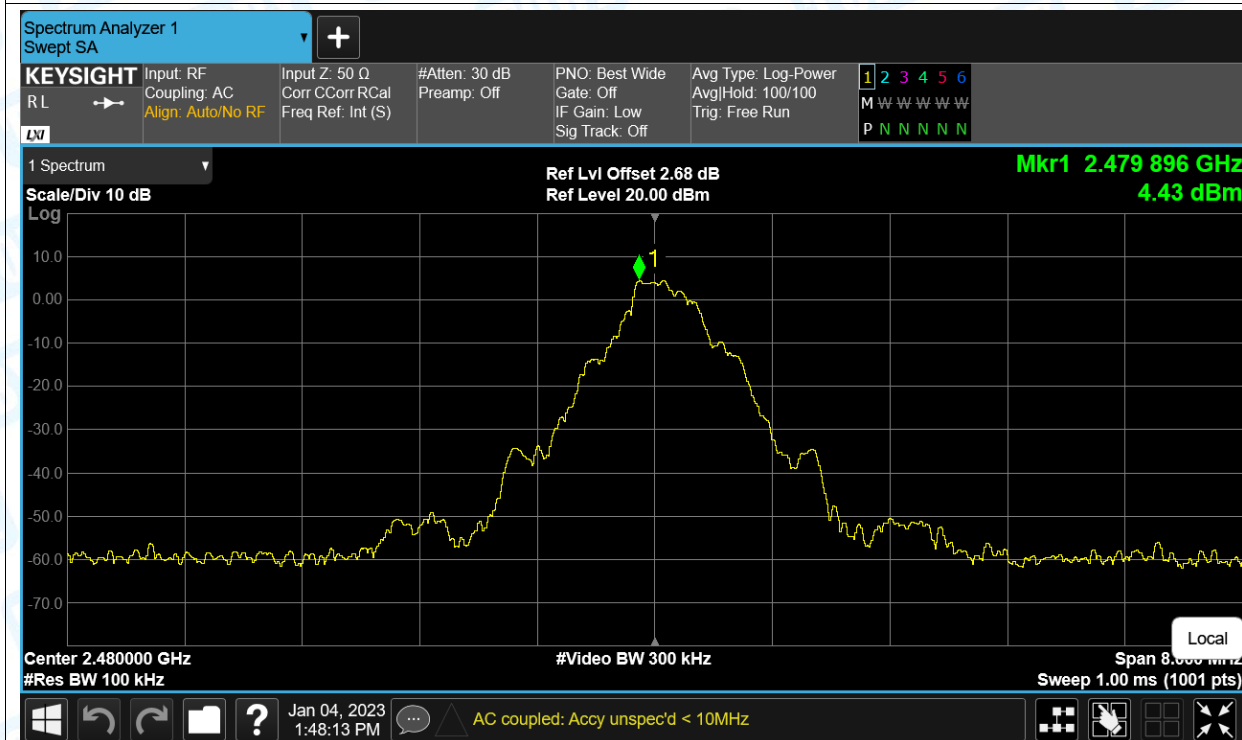
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref



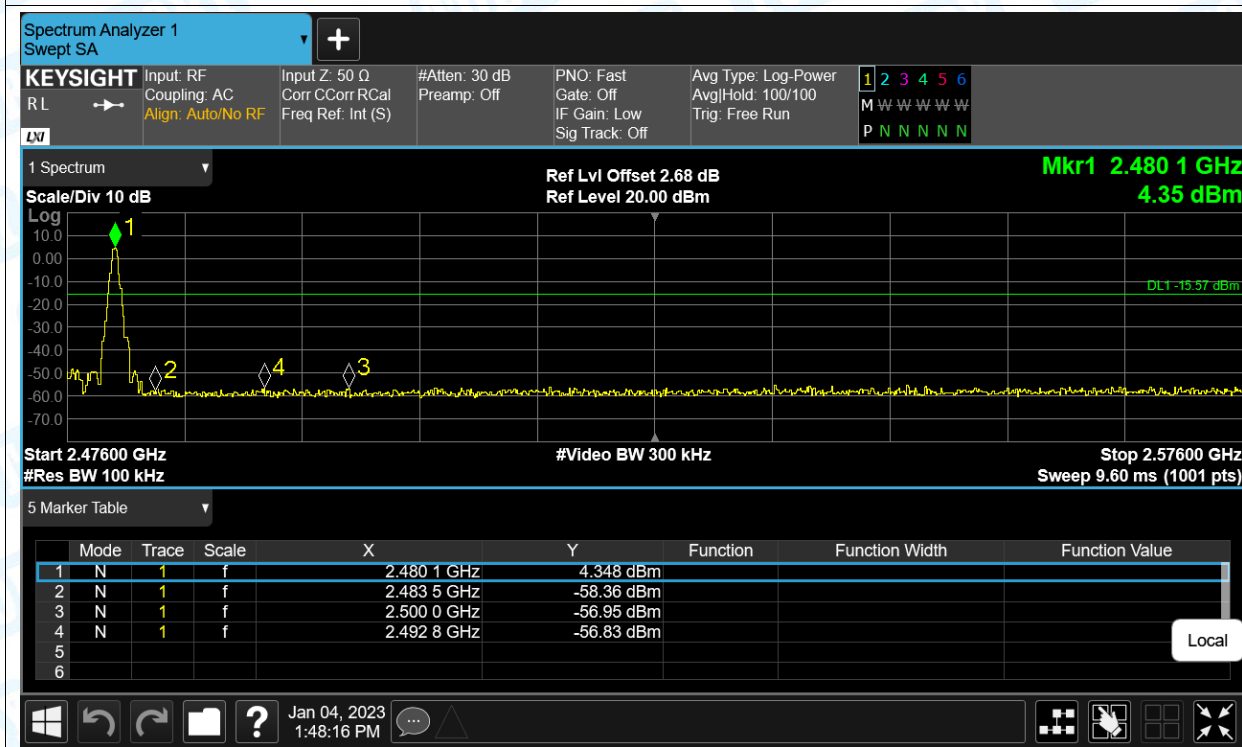
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



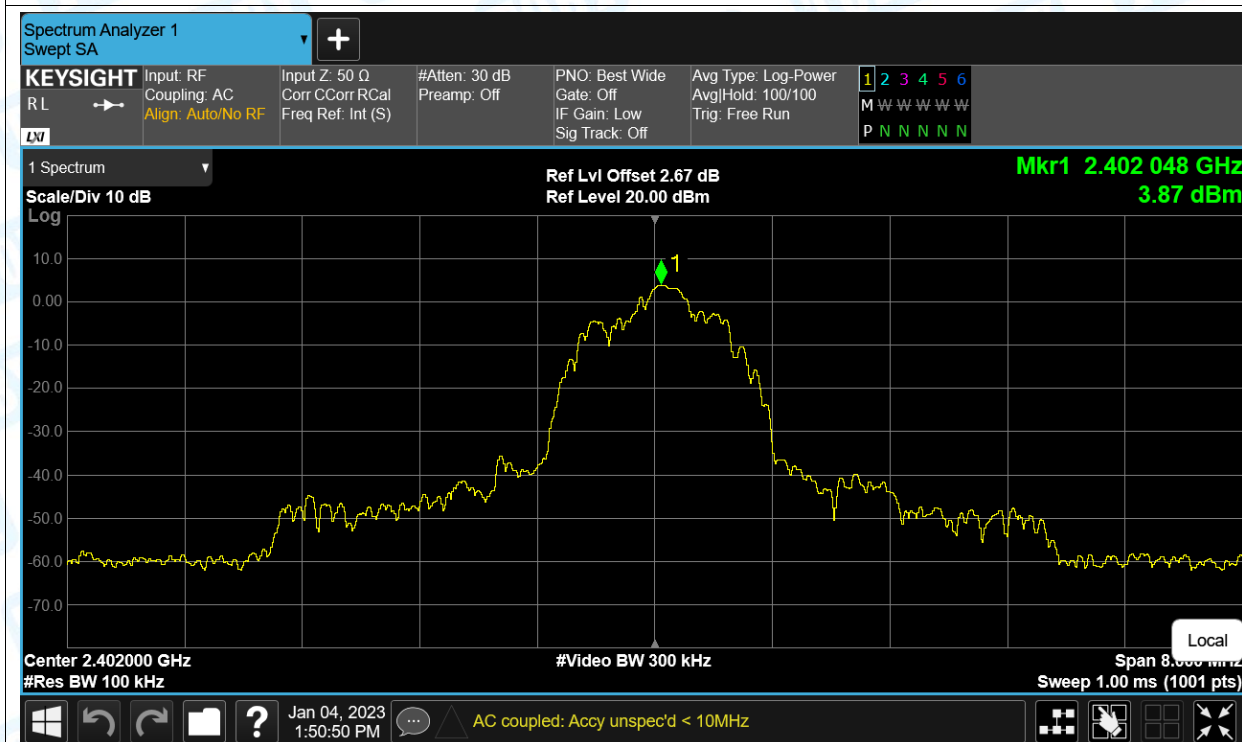
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref



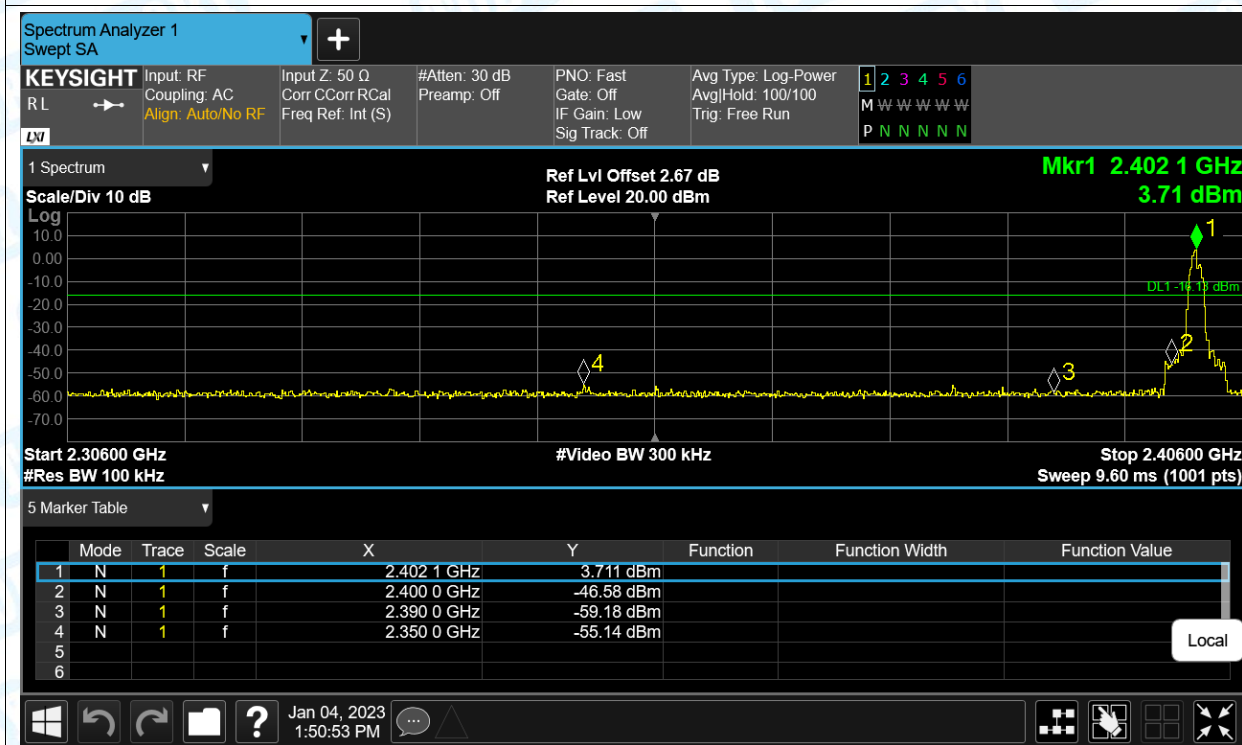
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission



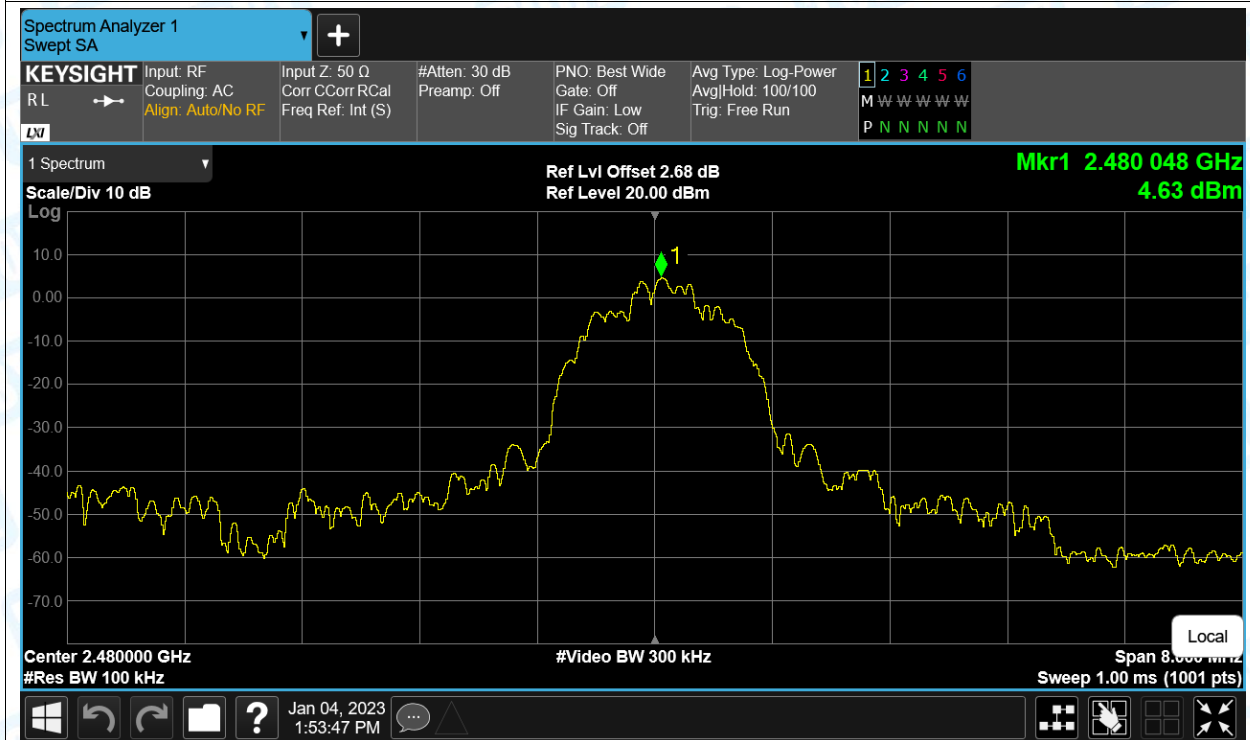
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Ref



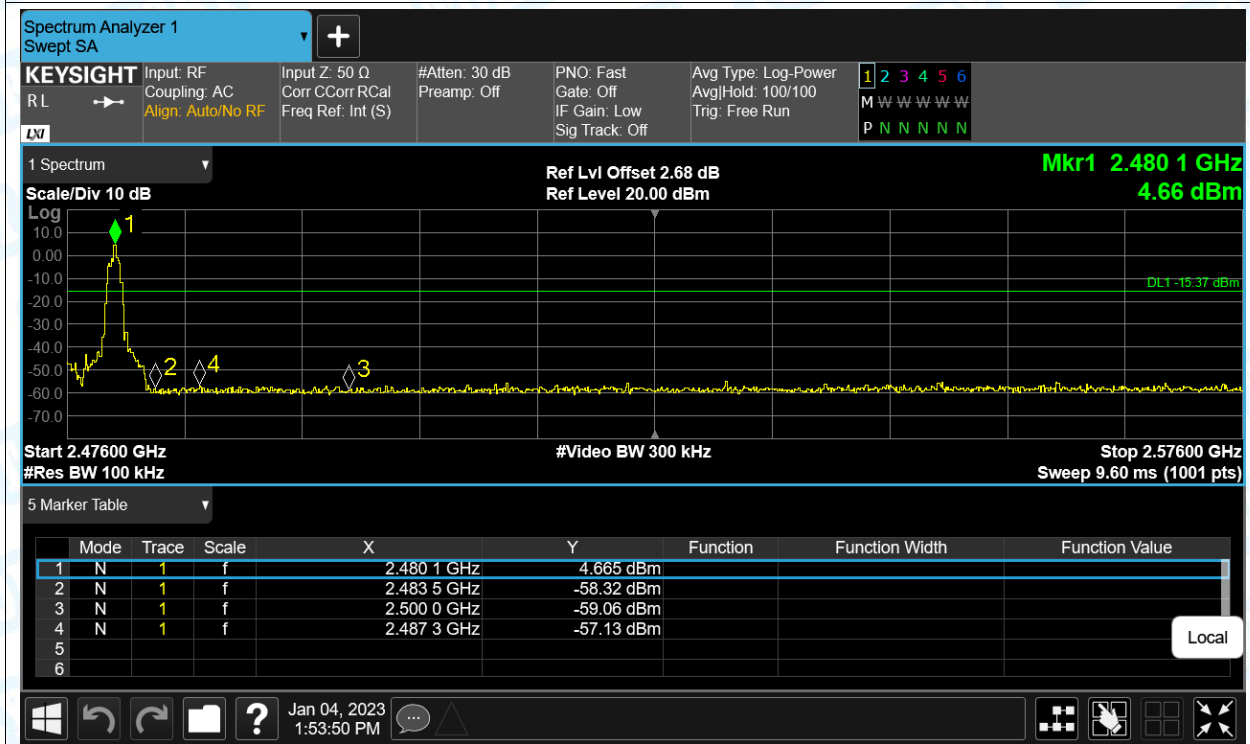
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission



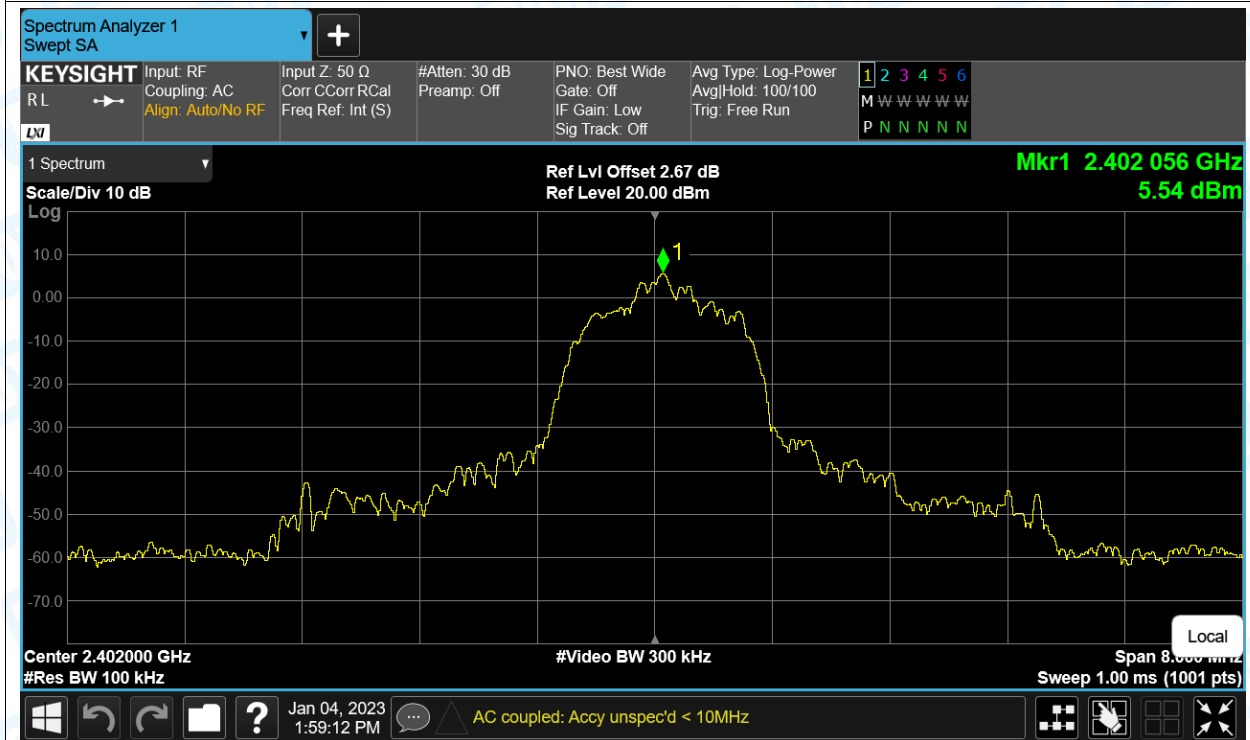
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Ref



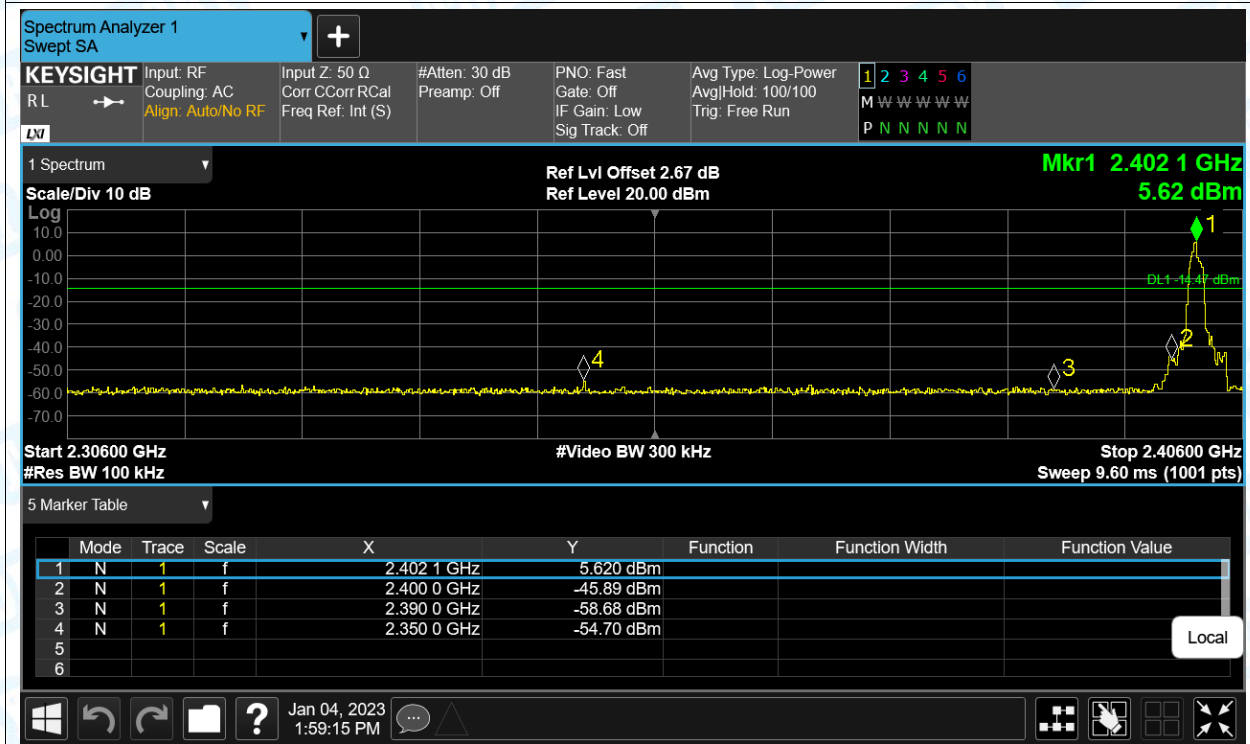
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission



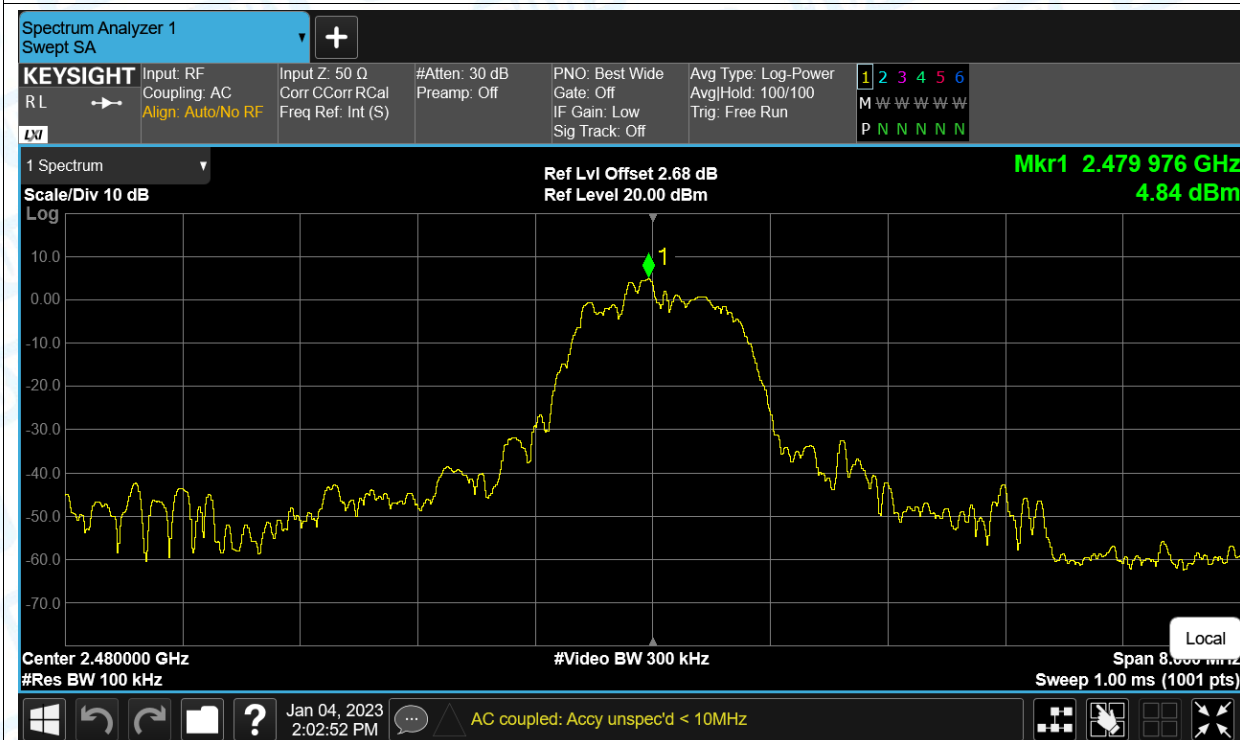
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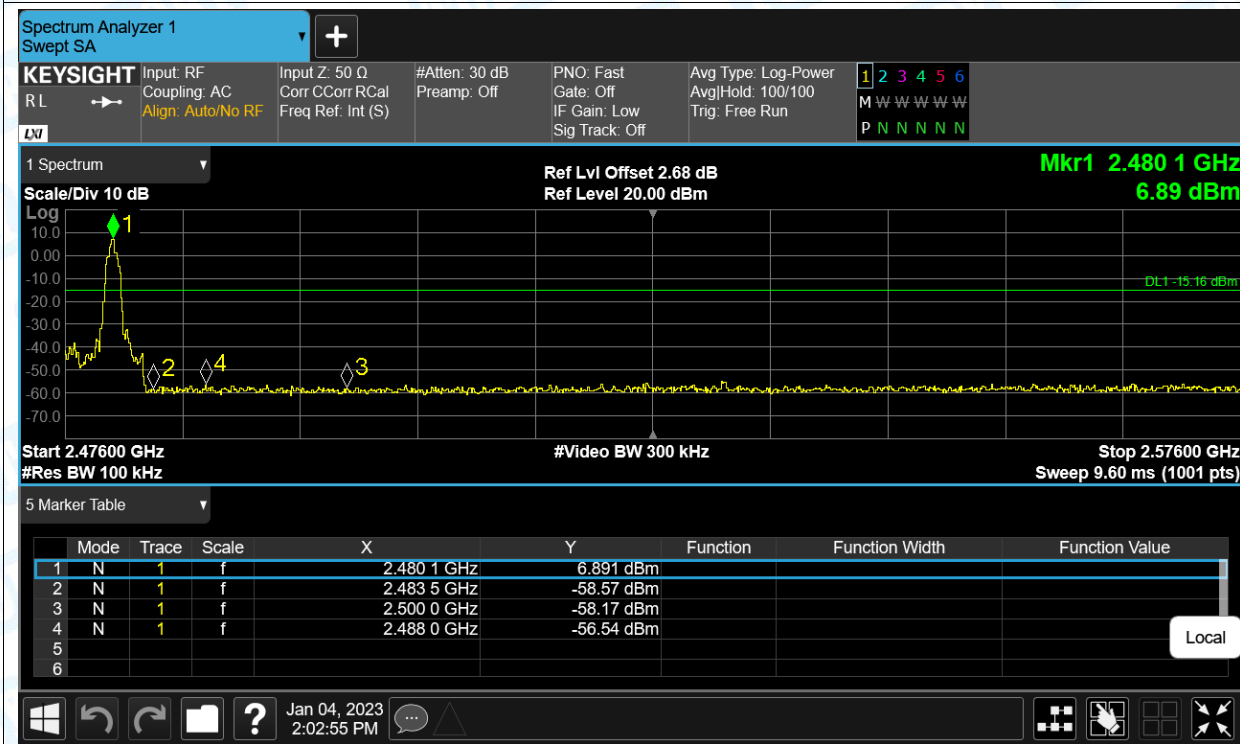
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Emission



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



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

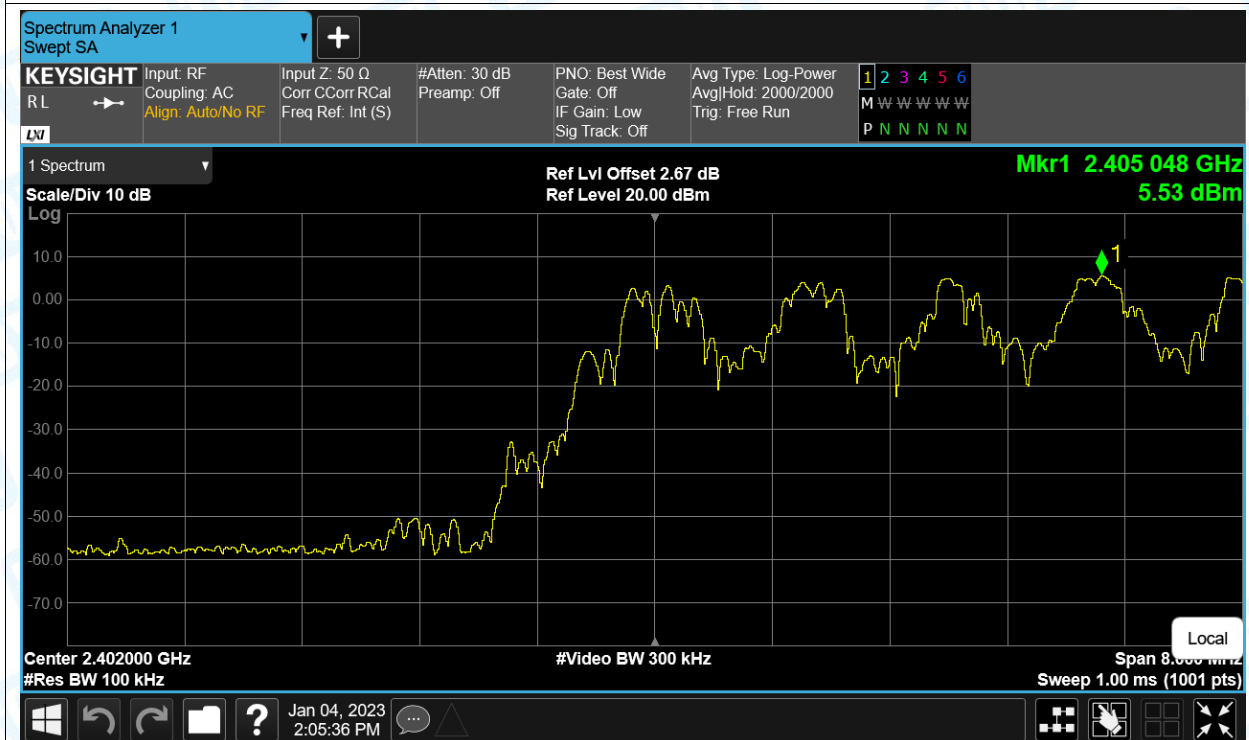


6. Band Edge(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-60.00	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-60.78	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-60.53	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-61.44	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-60.24	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-60.53	-20	Pass

Test Graphs

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



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

