

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

General Description of EUT	
Product Name:	Burletta C10
Test Model:	Burletta C10
Sample ID:	202206-0362-3-2#
Environmental Conditions	
Temperature:	25°C
Relative Humidity:	55%
Test Voltage:	DC 3.7V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202206-0362-5	

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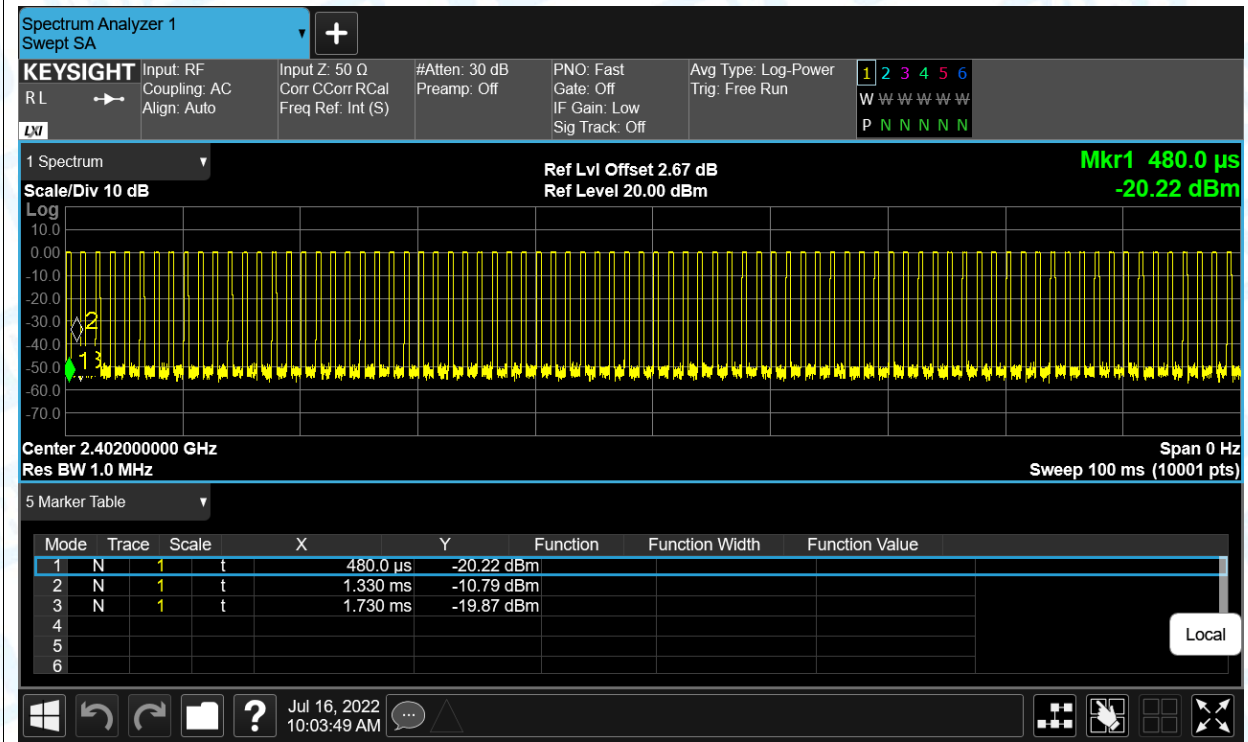
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1. Duty Cycle

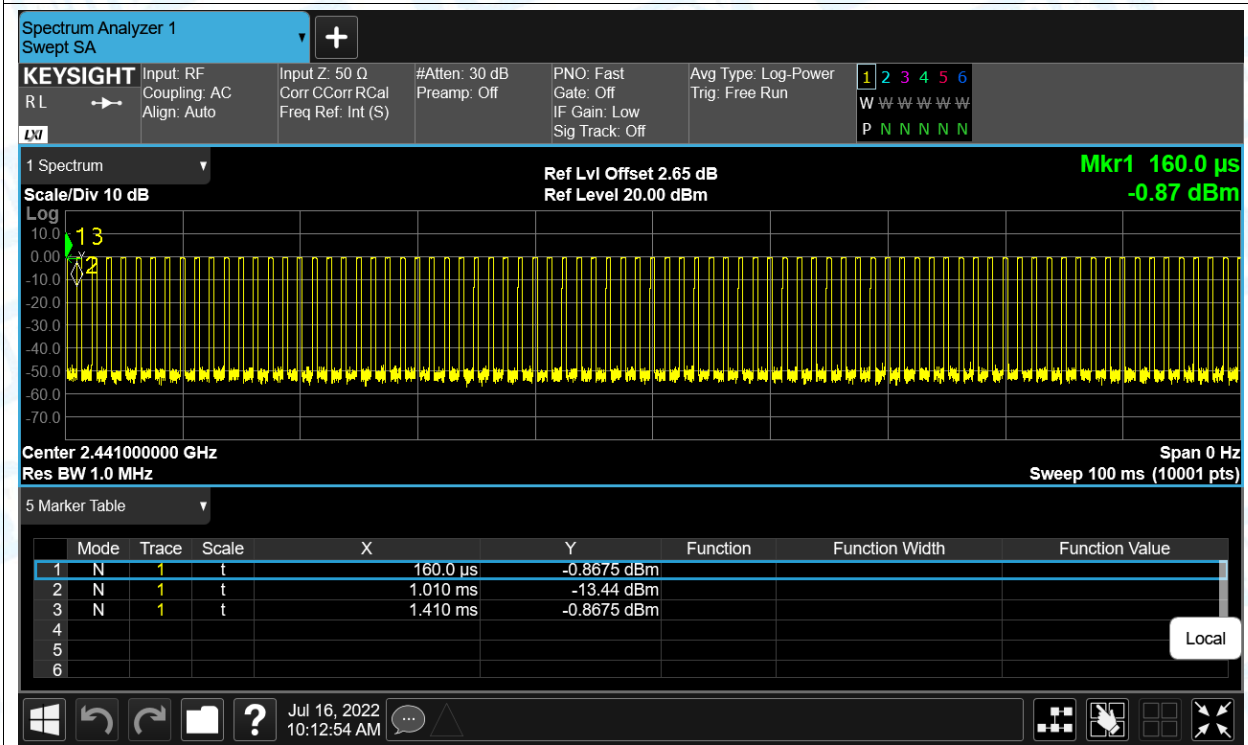
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH1	2402	Ant1	32.8	4.84	2.5
NVNT	1-DH1	2441	Ant1	32.81	4.84	2.5
NVNT	1-DH1	2480	Ant1	32.81	4.84	2.5
NVNT	2-DH1	2402	Ant1	33.6	4.74	2.44
NVNT	2-DH1	2441	Ant1	33.61	4.74	2.44
NVNT	2-DH1	2480	Ant1	33.6	4.74	2.44
NVNT	3-DH1	2402	Ant1	33.6	4.74	2.44
NVNT	3-DH1	2441	Ant1	33.6	4.74	2.44
NVNT	3-DH1	2480	Ant1	33.6	4.74	2.44

Test Graphs

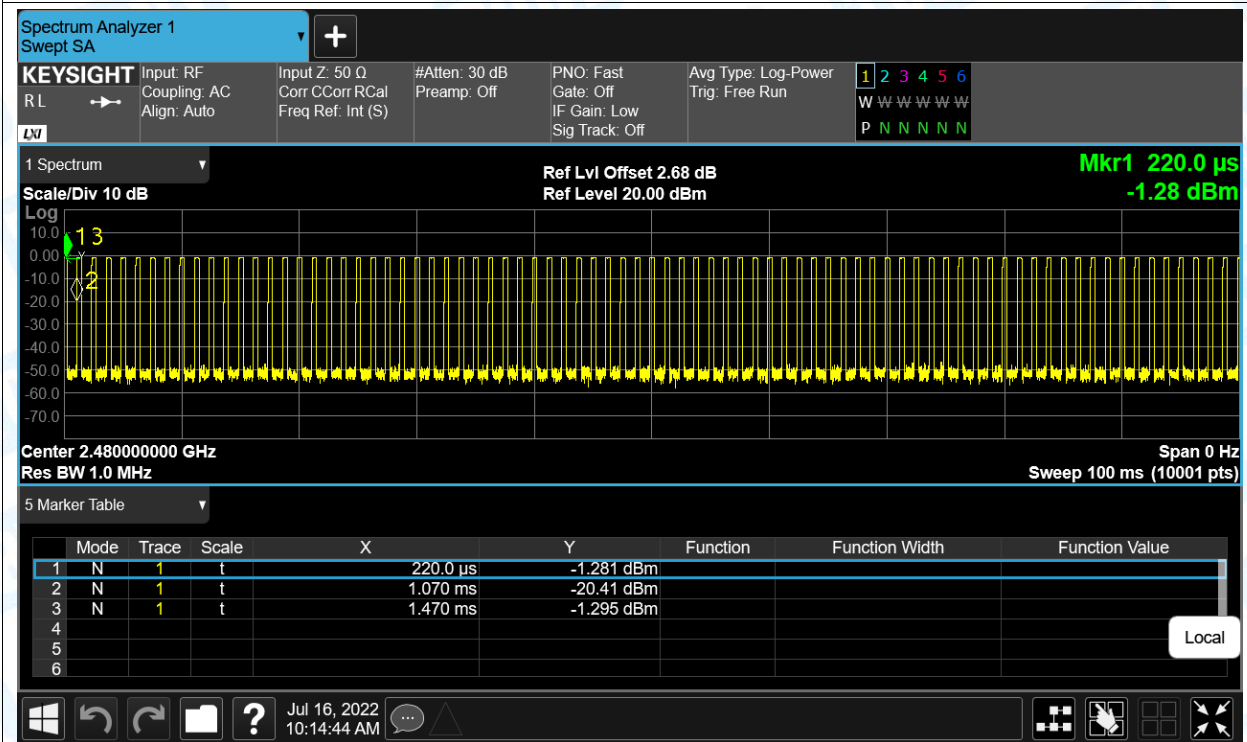
Duty Cycle NVNT 1-DH1 2402MHz Ant1



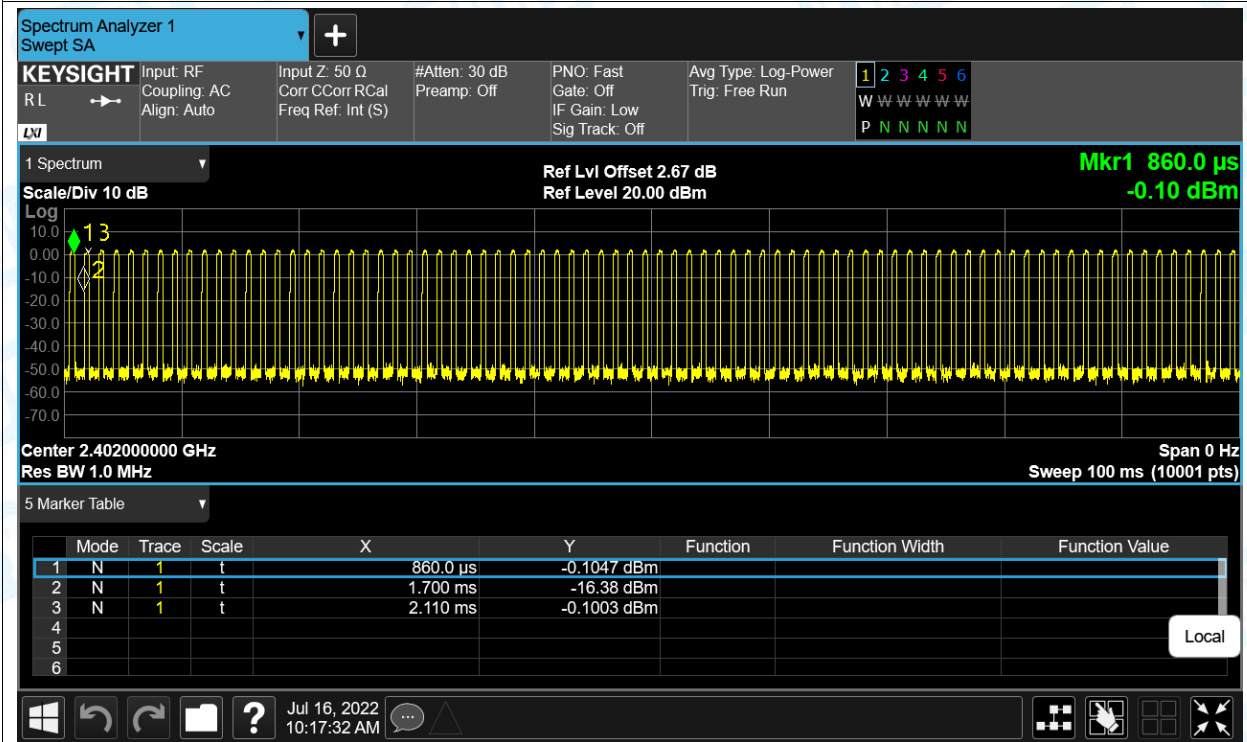
Duty Cycle NVNT 1-DH1 2441MHz Ant1

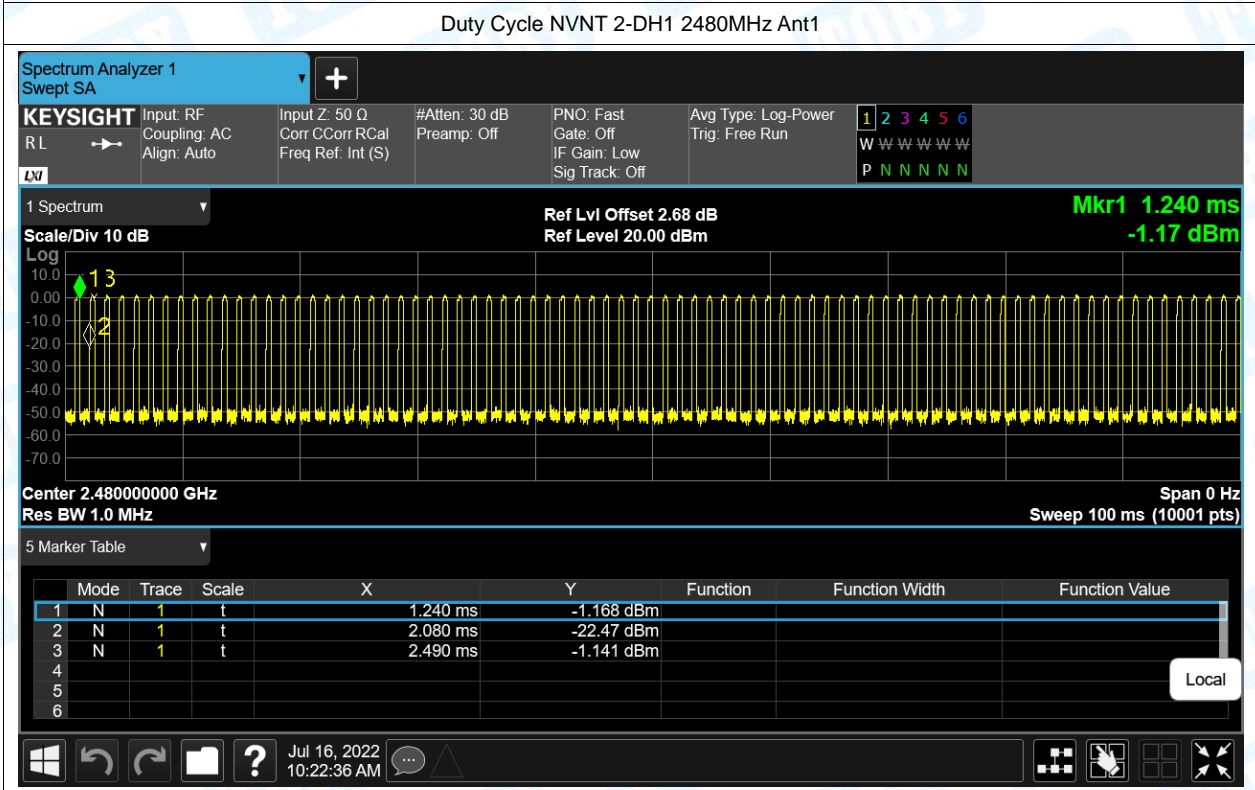
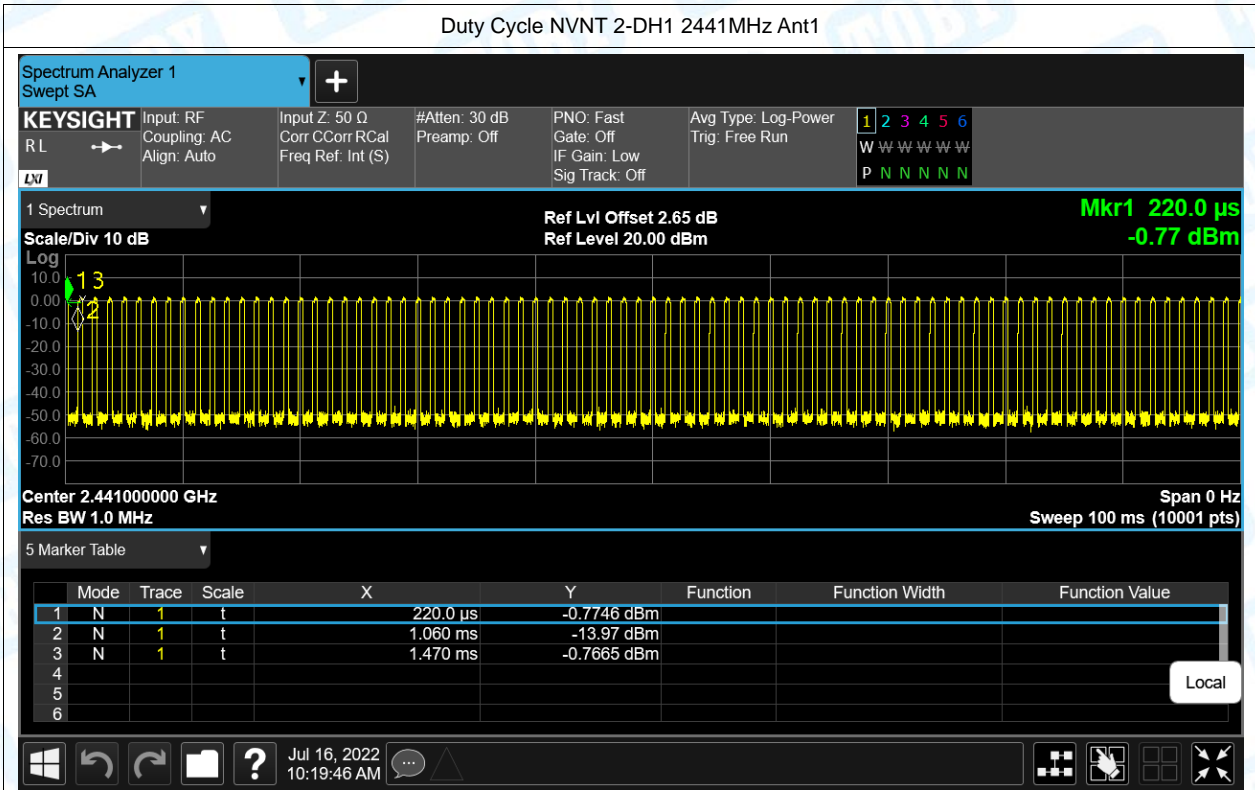


Duty Cycle NVNT 1-DH1 2480MHz Ant1

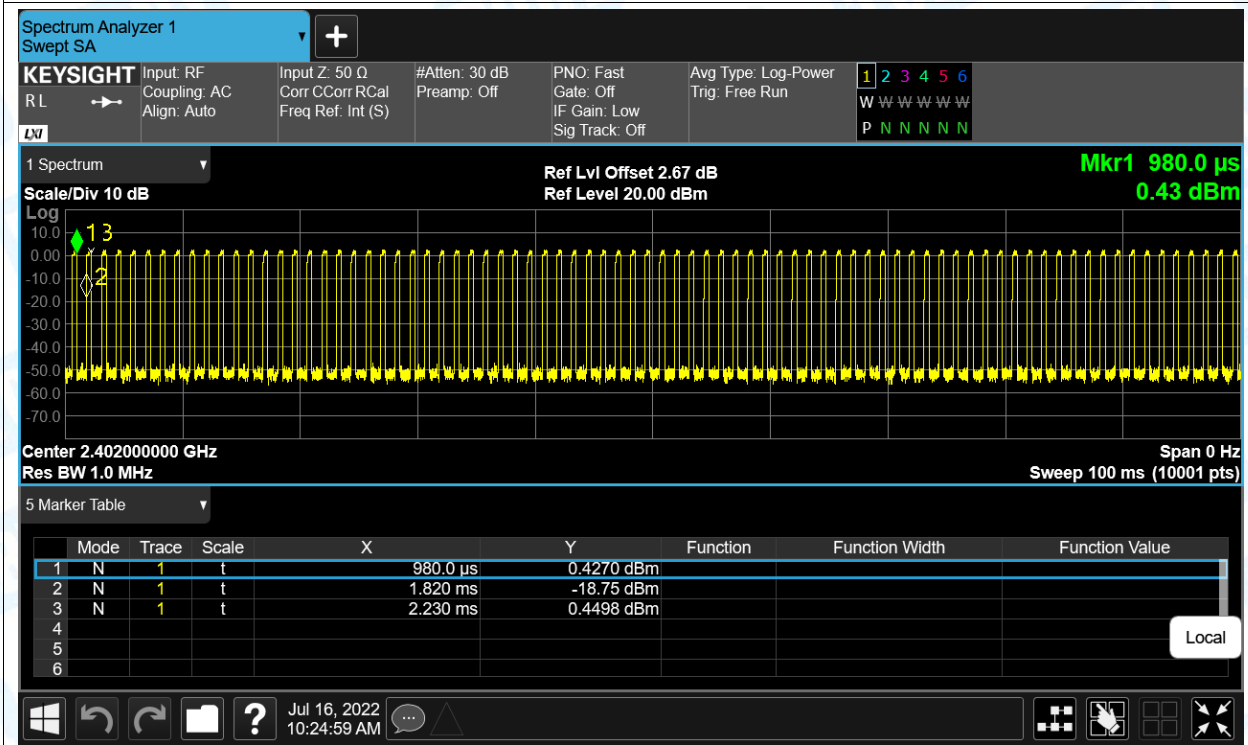


Duty Cycle NVNT 2-DH1 2402MHz Ant1

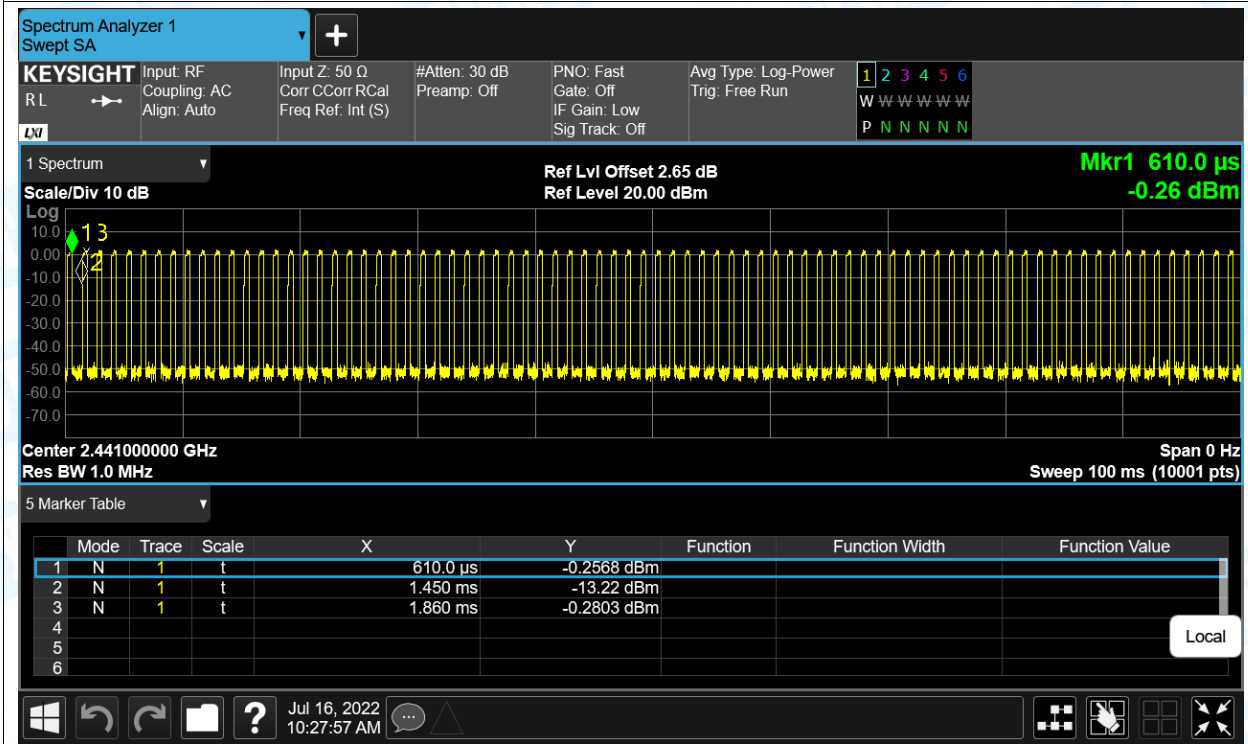


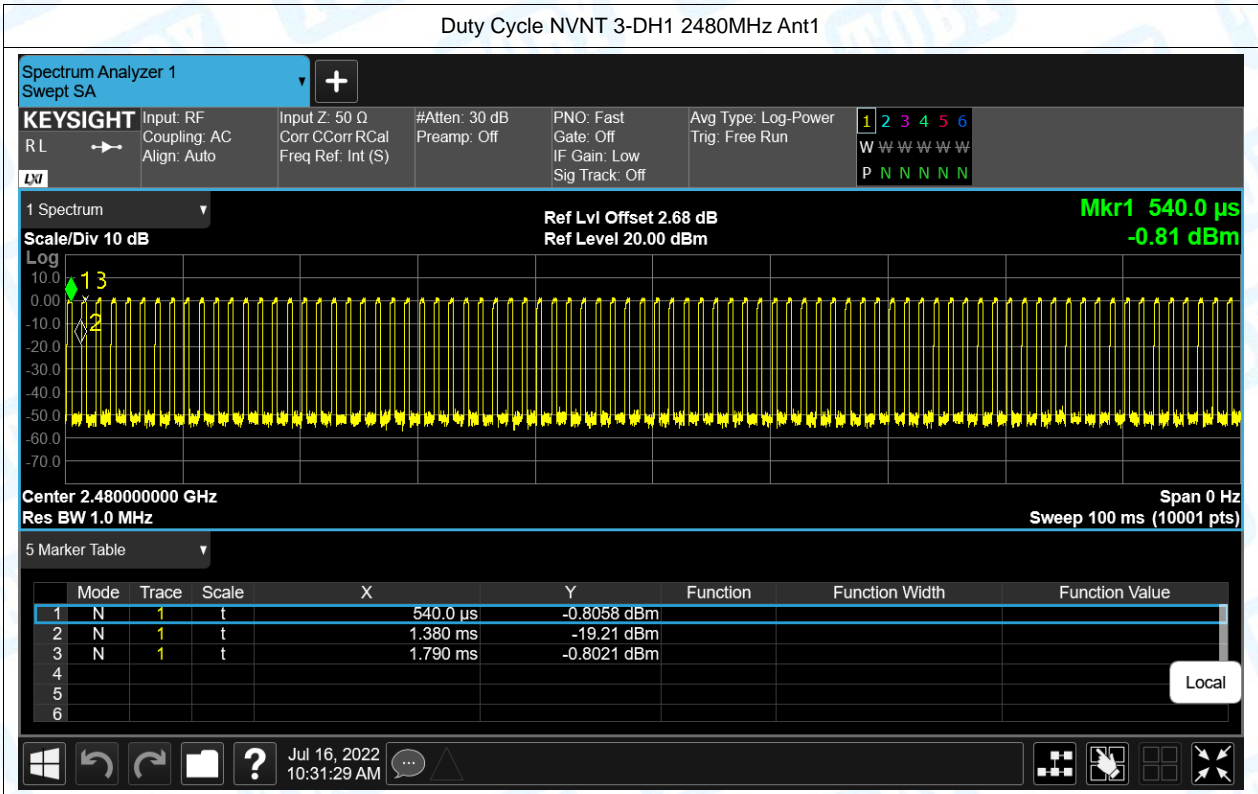


Duty Cycle NVNT 3-DH1 2402MHz Ant1



Duty Cycle NVNT 3-DH1 2441MHz Ant1



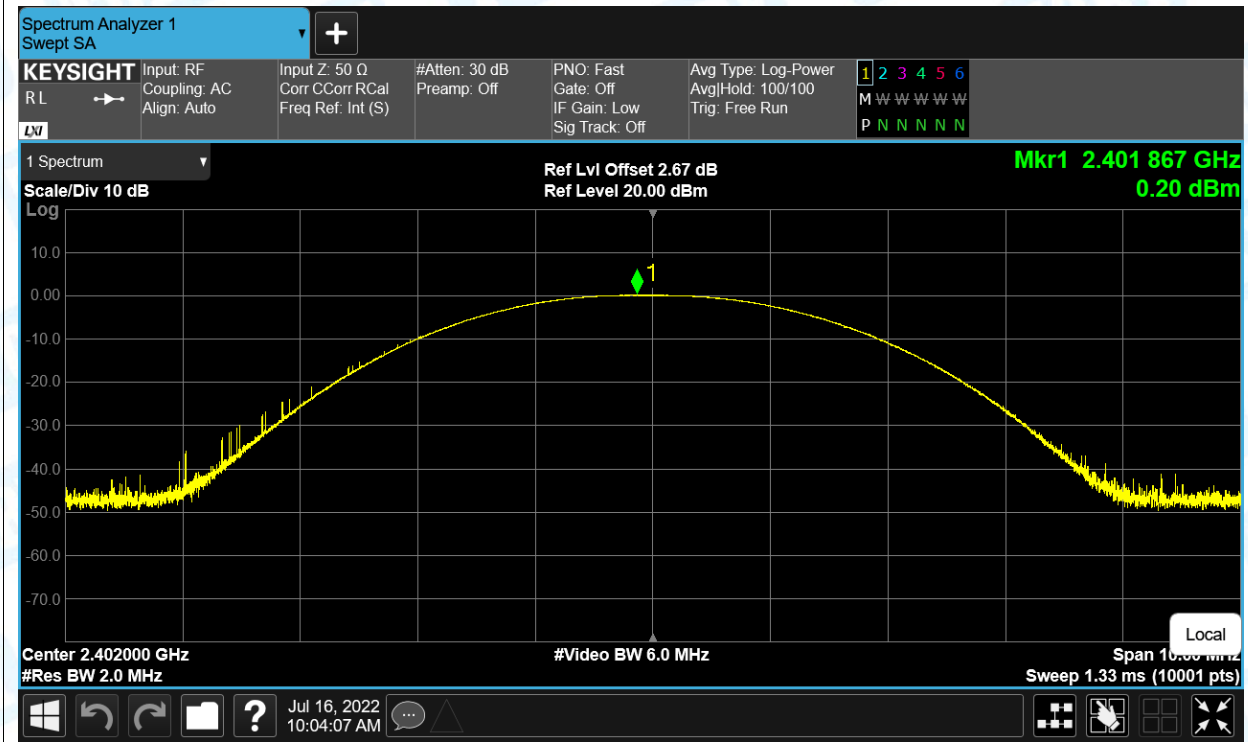


2. Maximum Conducted Output Power

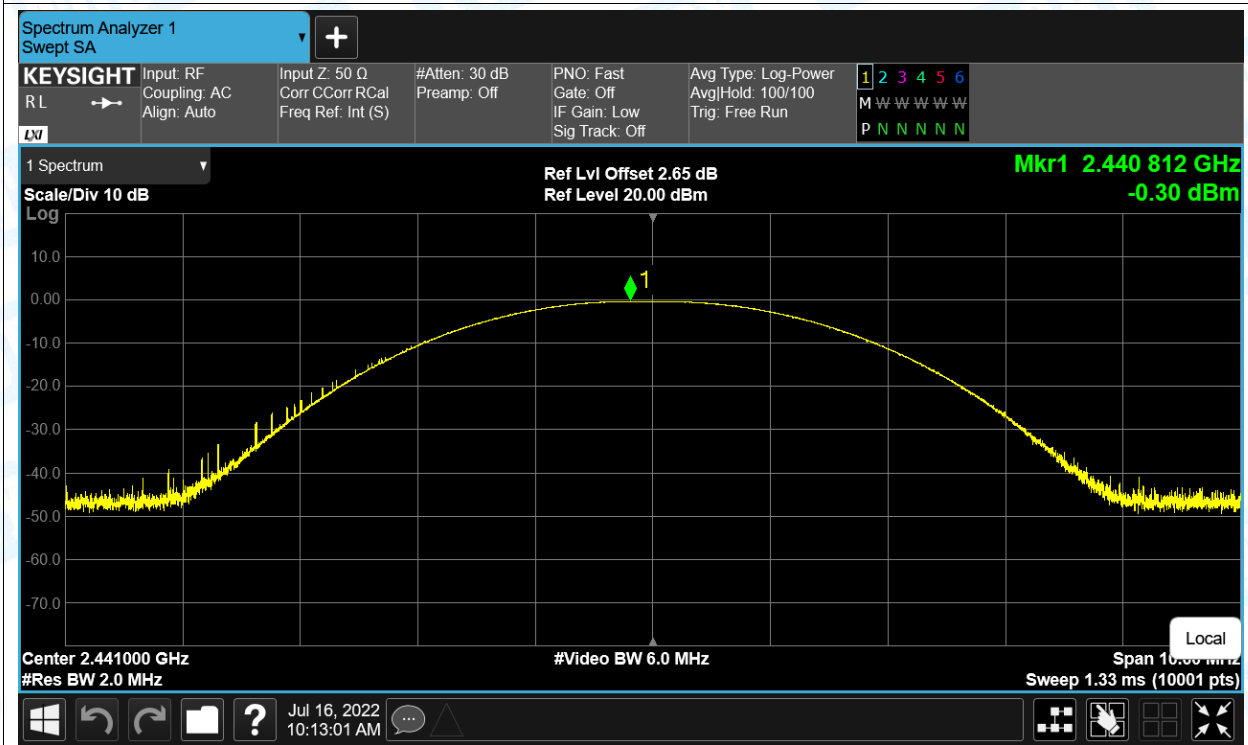
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	0.204	21	Pass
NVNT	1-DH1	2441	Ant1	-0.297	21	Pass
NVNT	1-DH1	2480	Ant1	-0.815	21	Pass
NVNT	2-DH1	2402	Ant1	2.59	21	Pass
NVNT	2-DH1	2441	Ant1	1.989	21	Pass
NVNT	2-DH1	2480	Ant1	1.441	21	Pass
NVNT	3-DH1	2402	Ant1	3.074	21	Pass
NVNT	3-DH1	2441	Ant1	2.404	21	Pass
NVNT	3-DH1	2480	Ant1	1.9	21	Pass

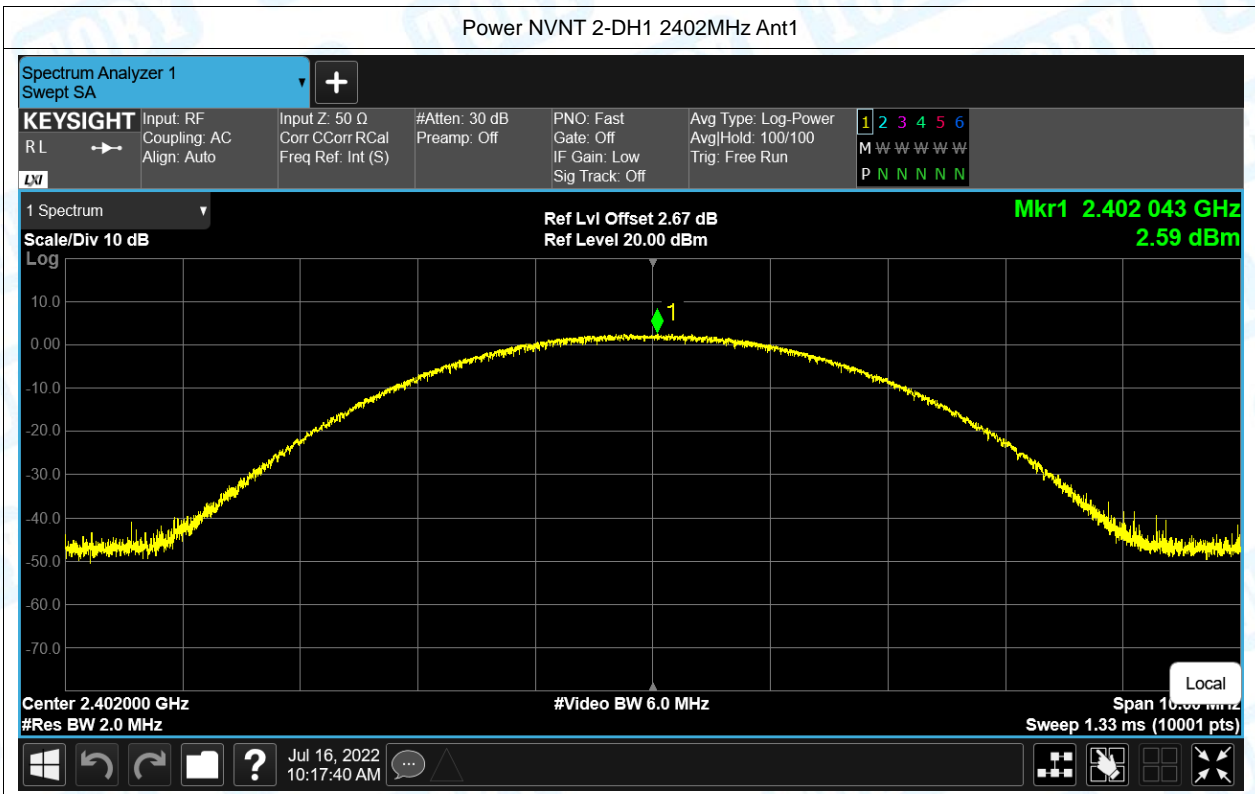
Test Graphs

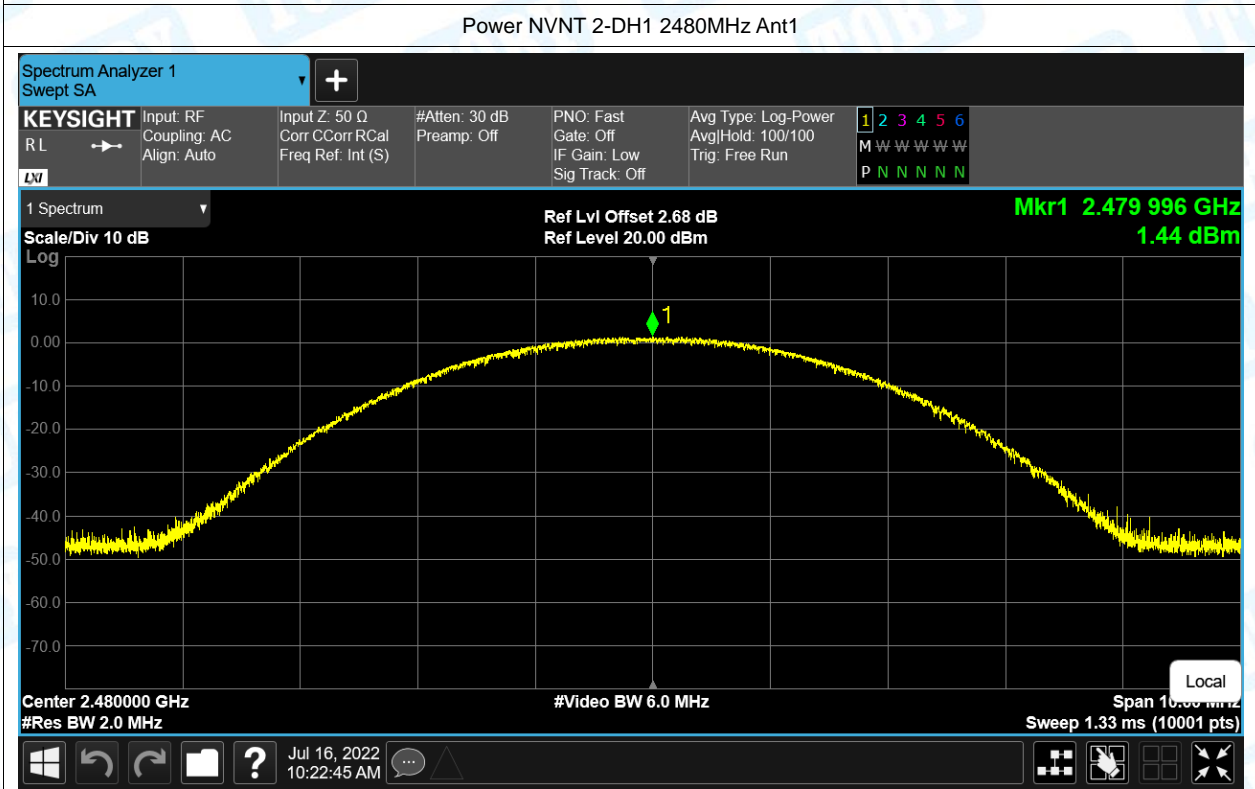
Power NVNT 1-DH1 2402MHz Ant1

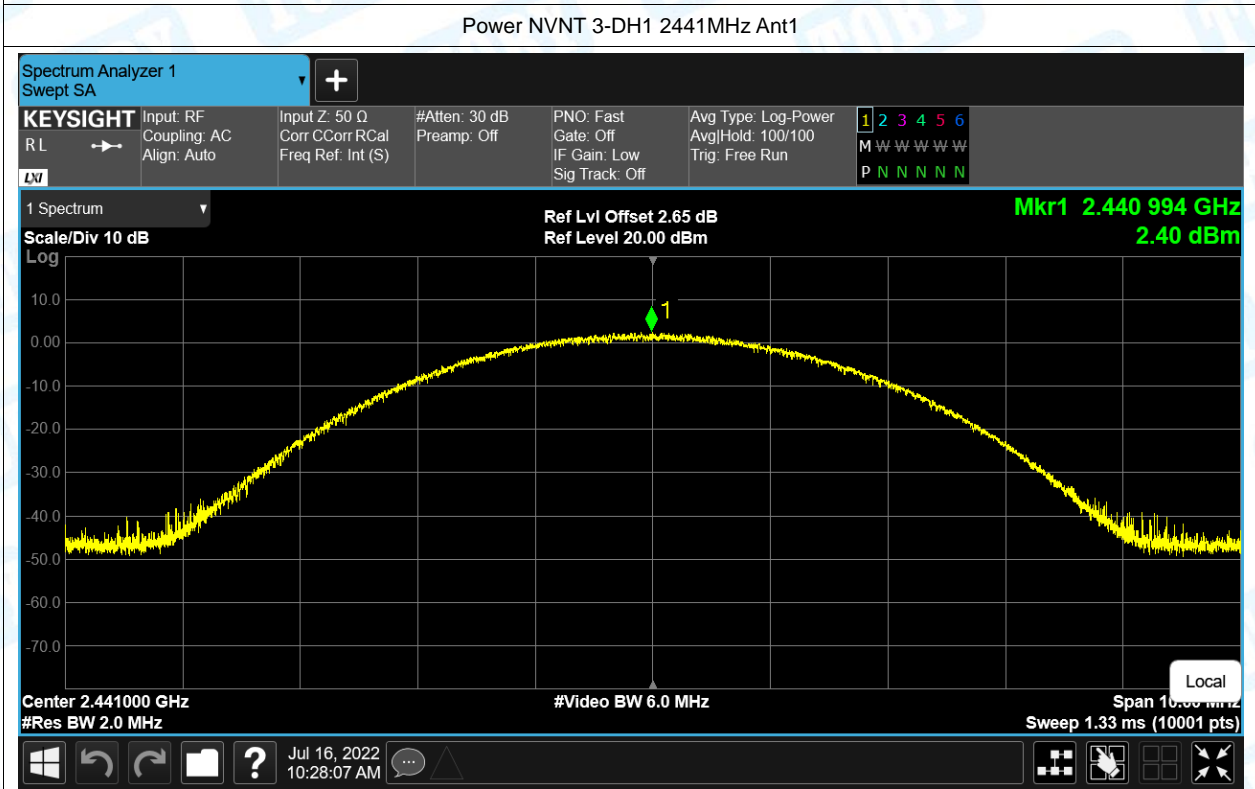
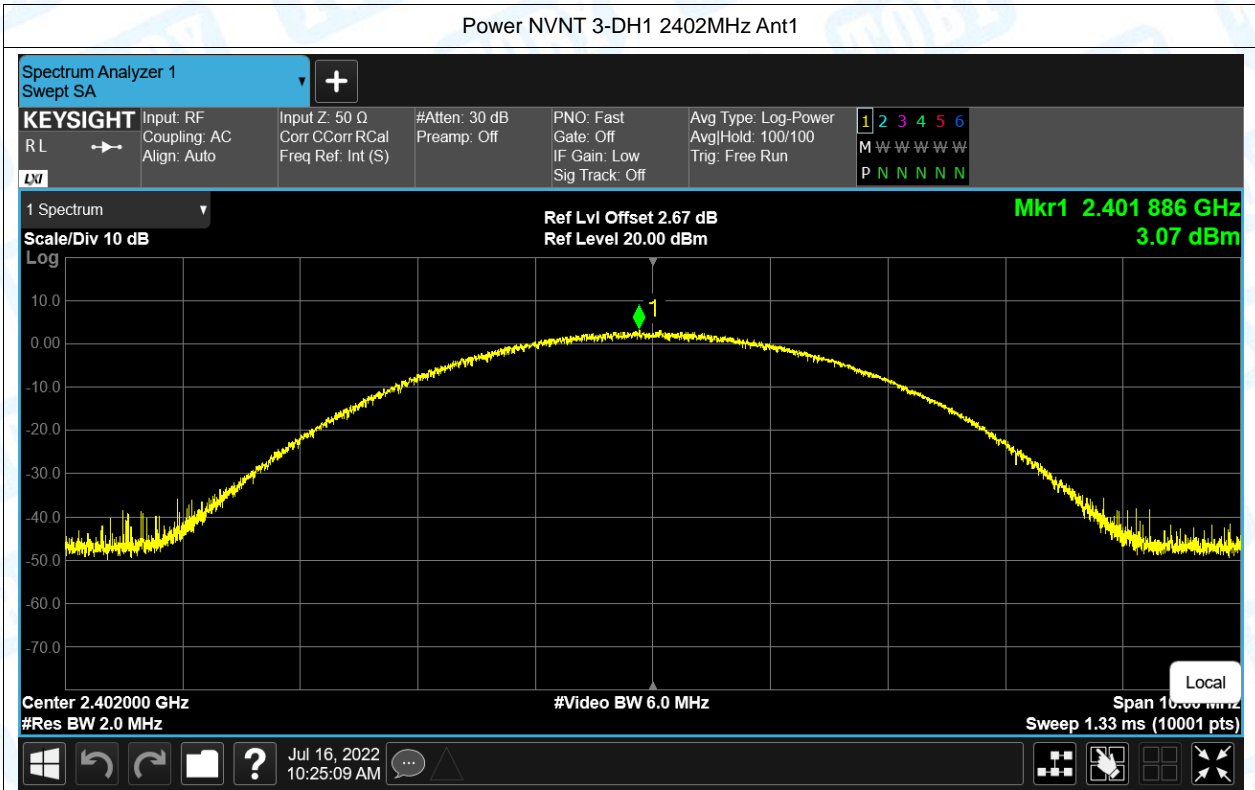


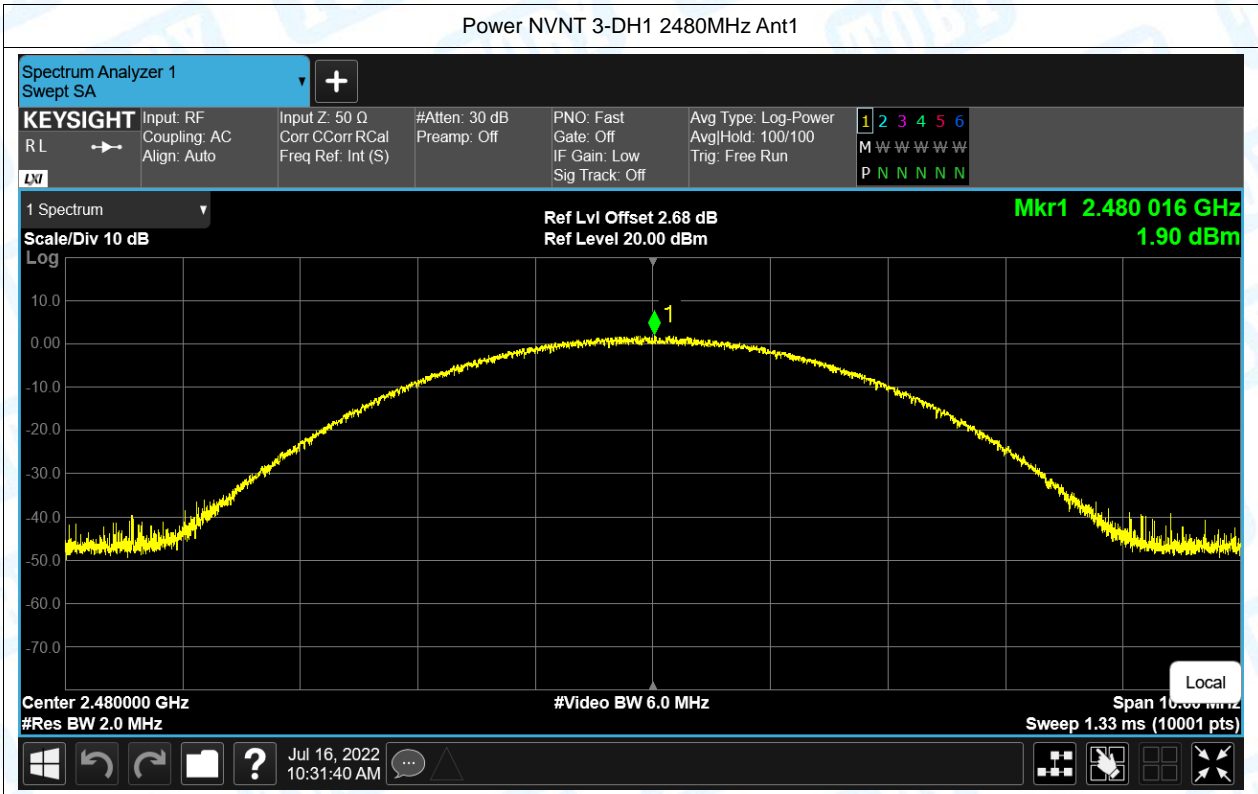
Power NVNT 1-DH1 2441MHz Ant1









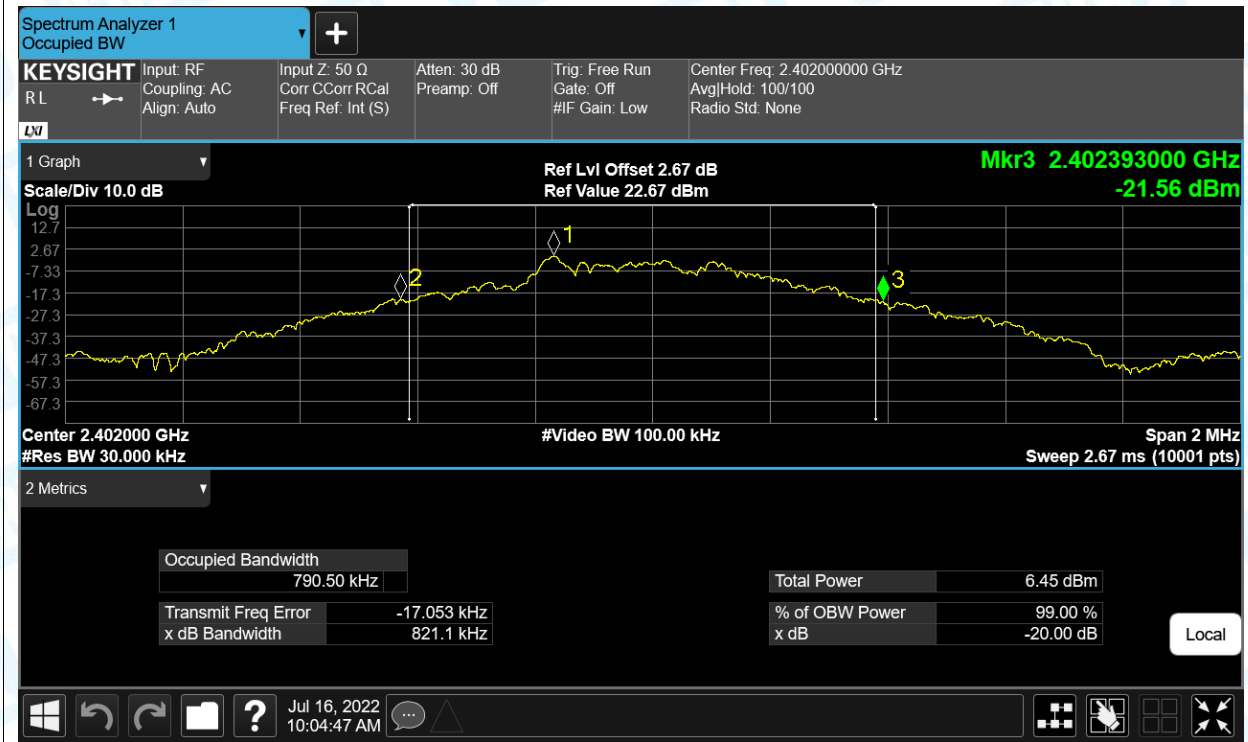


3. -20dB Bandwidth

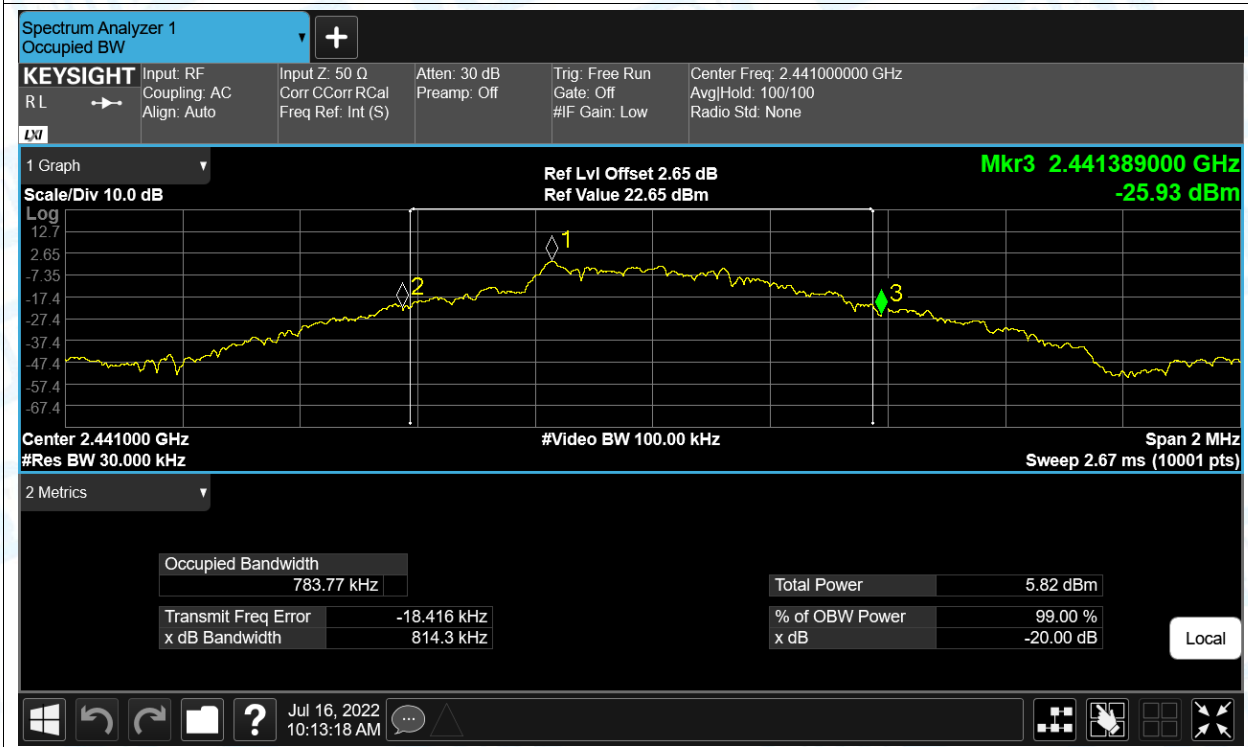
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	2/3 *20dB BW (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	0.82	0.54	Pass
NVNT	1-DH1	2441	Ant1	0.81	0.54	Pass
NVNT	1-DH1	2480	Ant1	0.81	0.54	Pass
NVNT	2-DH1	2402	Ant1	1.22	0.81	Pass
NVNT	2-DH1	2441	Ant1	1.23	0.82	Pass
NVNT	2-DH1	2480	Ant1	1.23	0.82	Pass
NVNT	3-DH1	2402	Ant1	1.22	0.81	Pass
NVNT	3-DH1	2441	Ant1	1.21	0.806	Pass
NVNT	3-DH1	2480	Ant1	1.21	0.06	Pass

Test Graphs

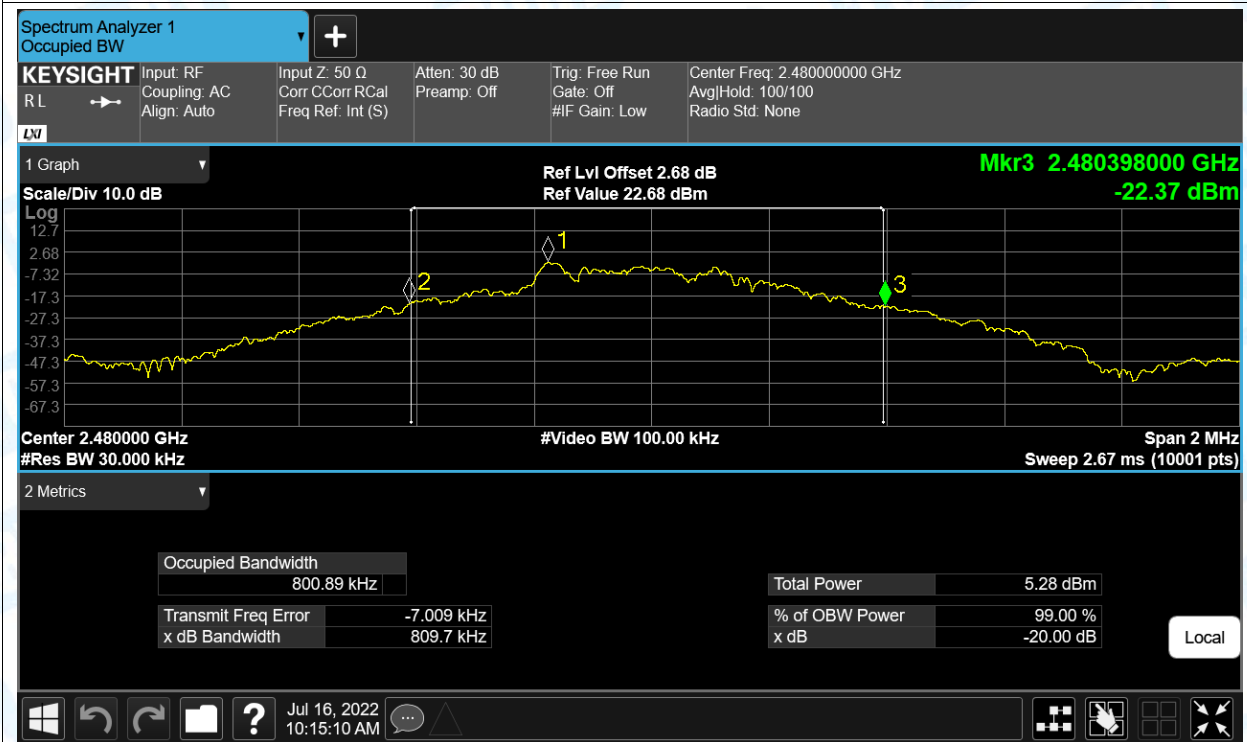
-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



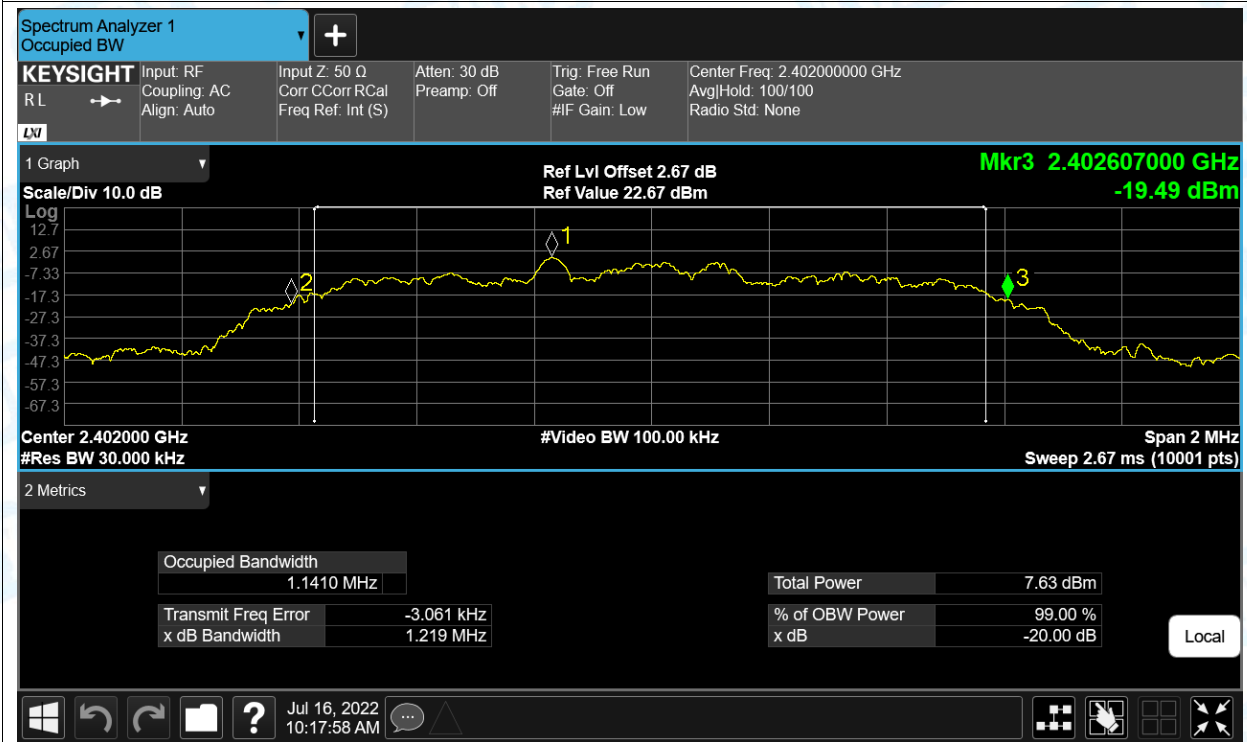
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



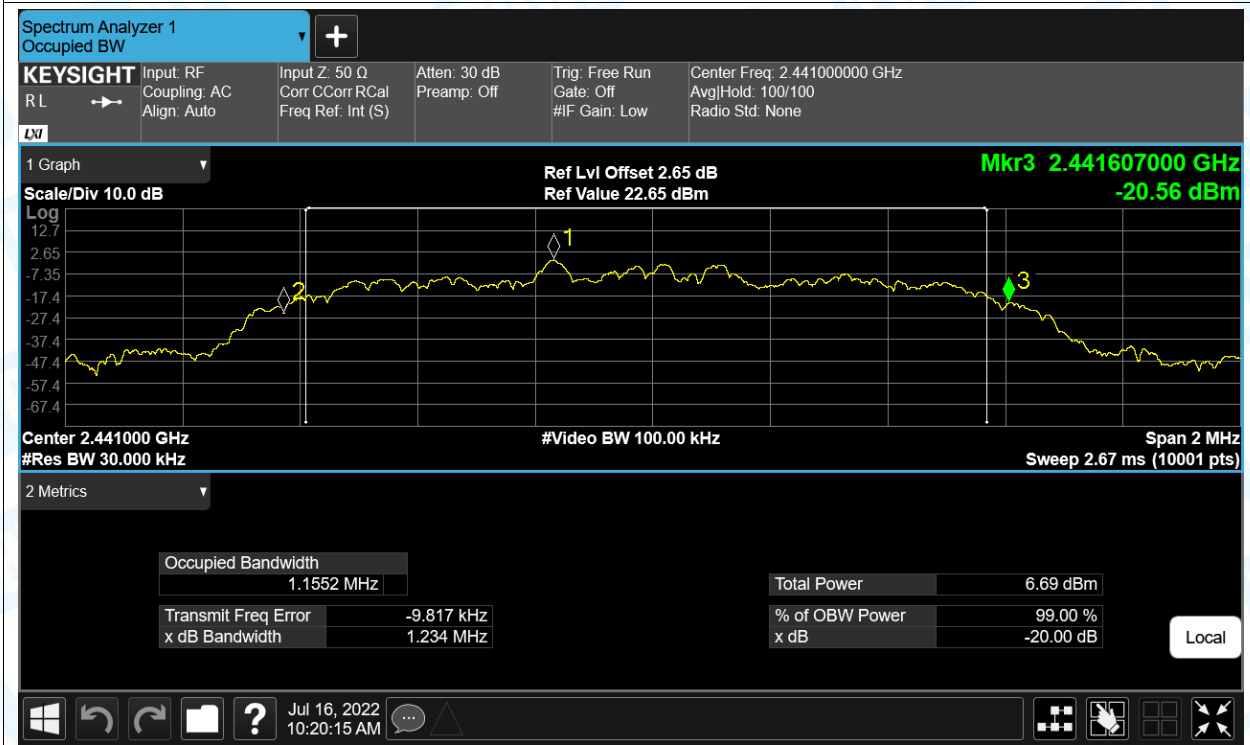
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



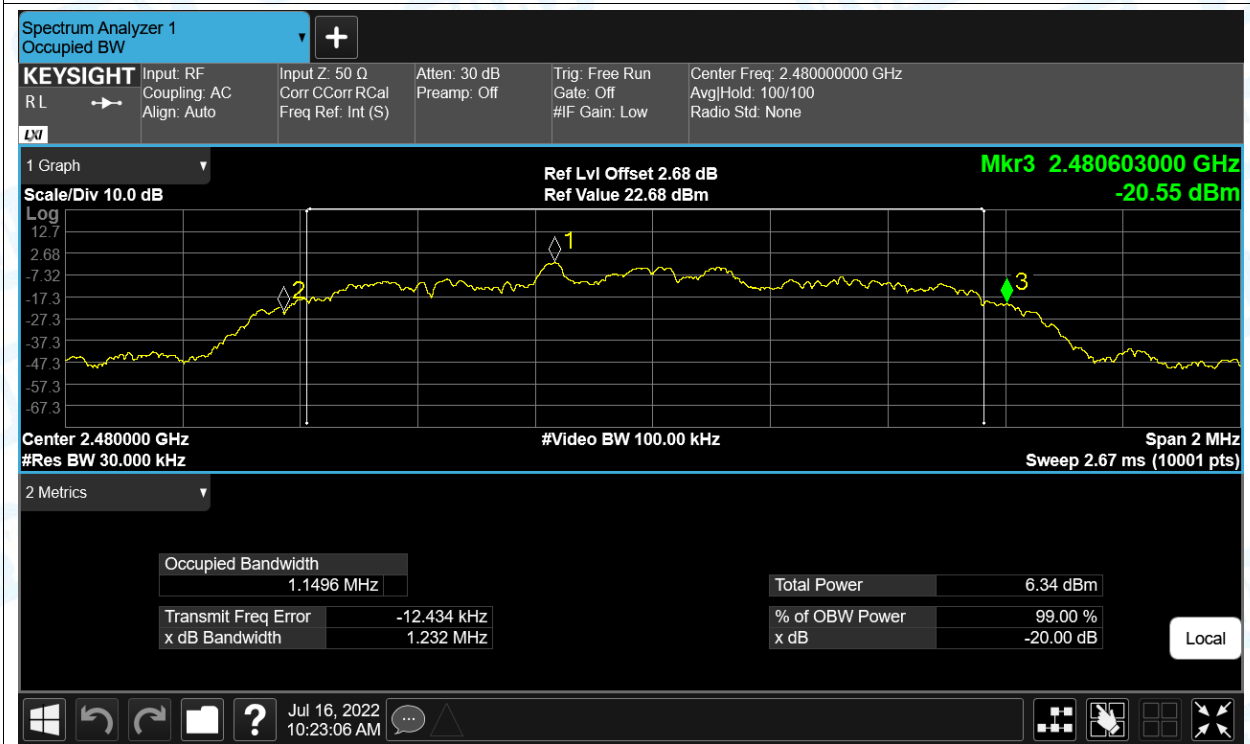
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



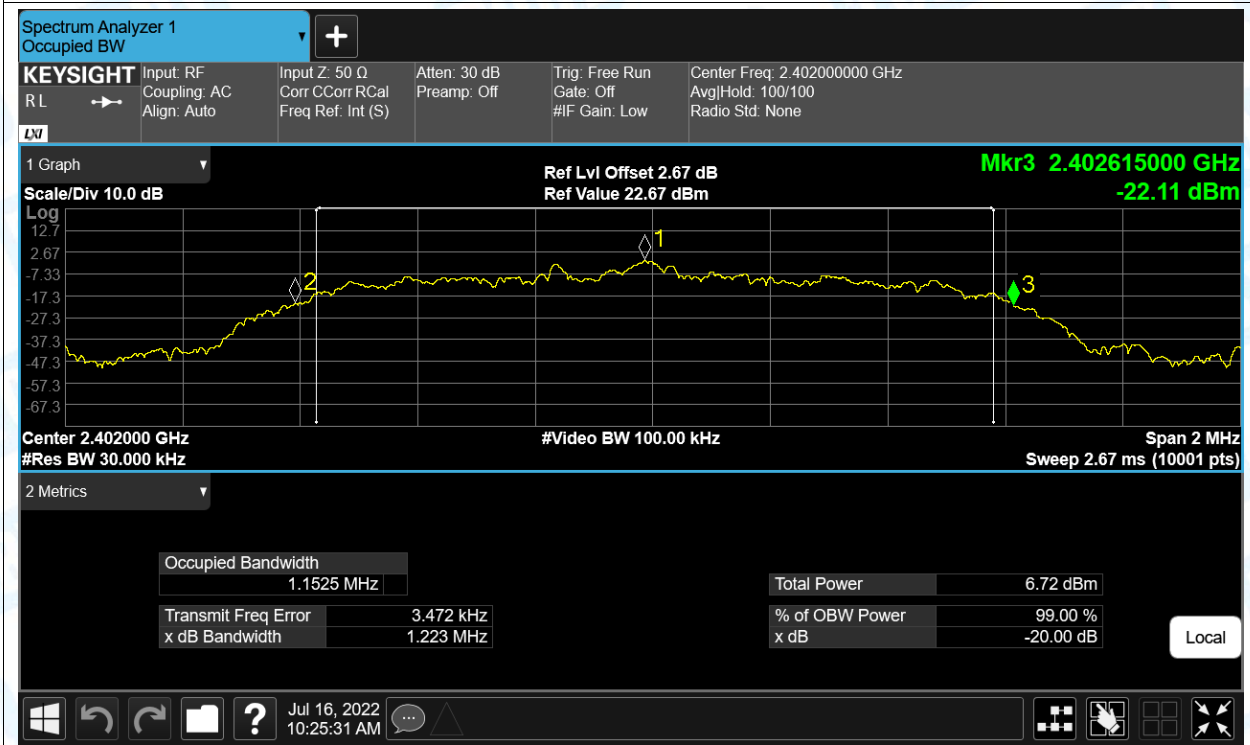
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



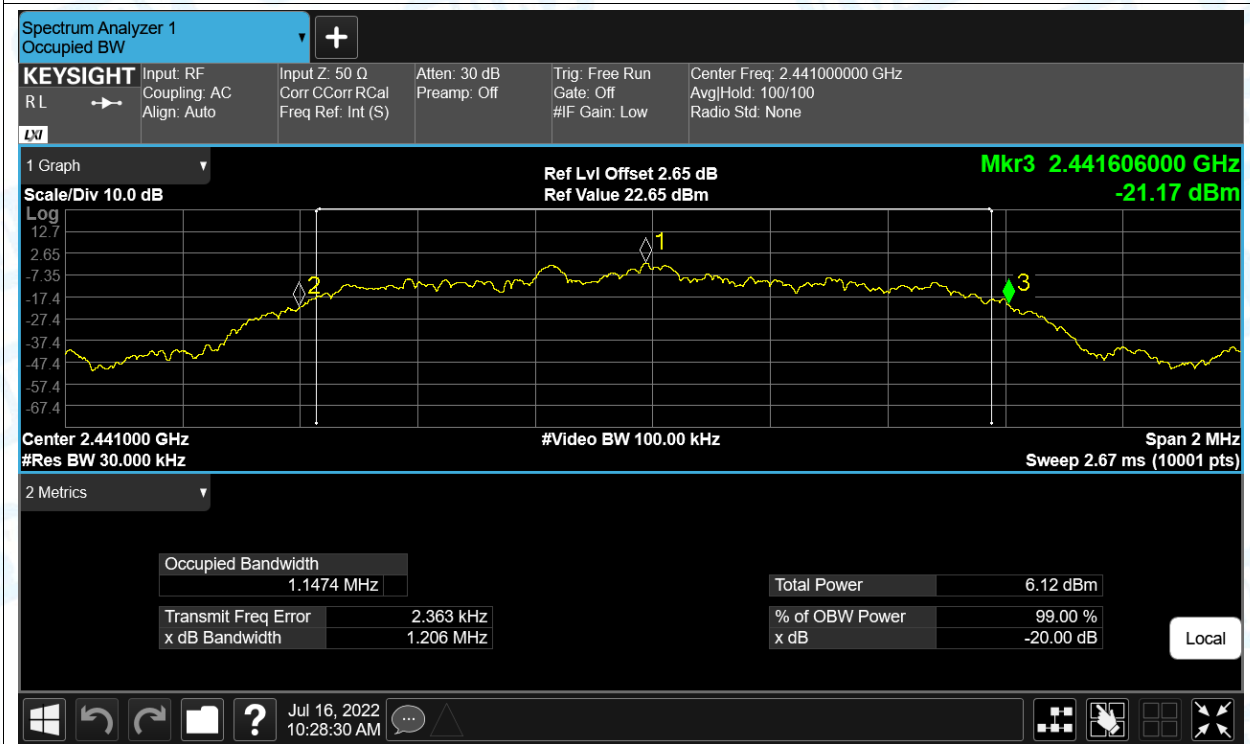
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1

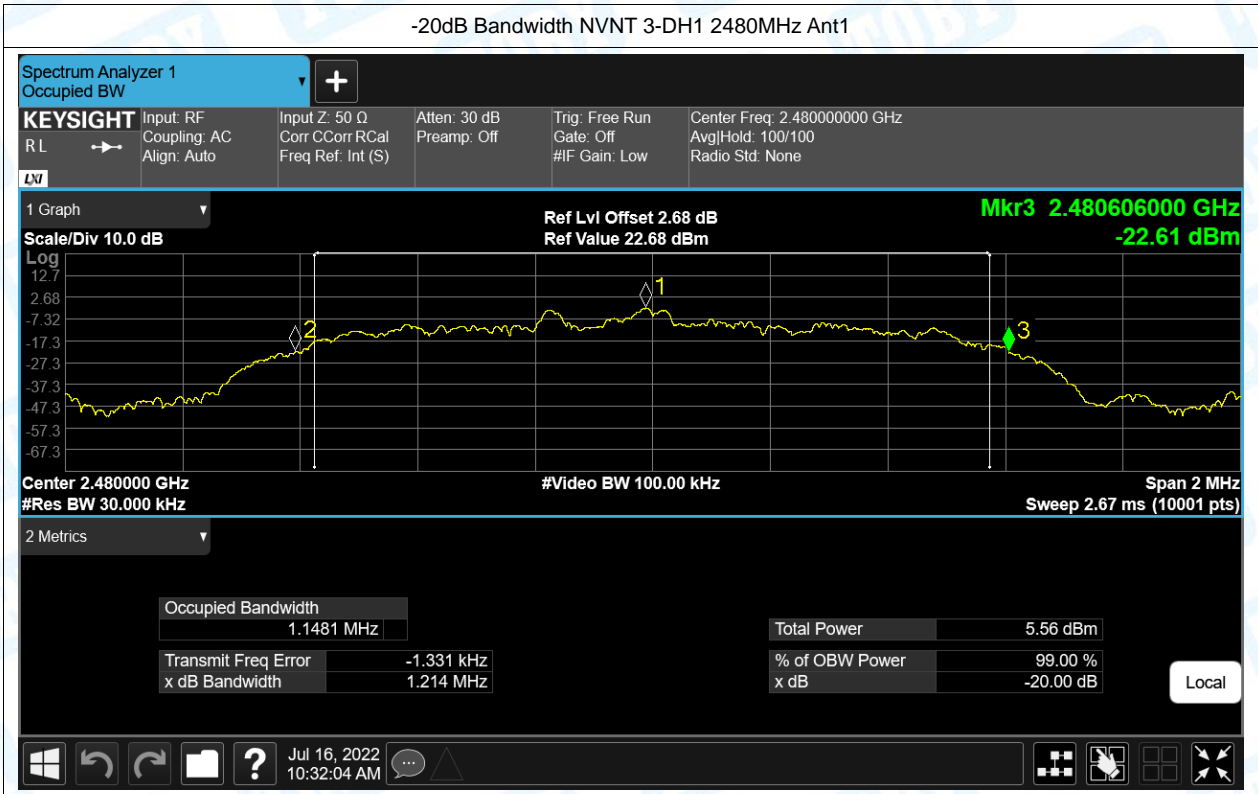


-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



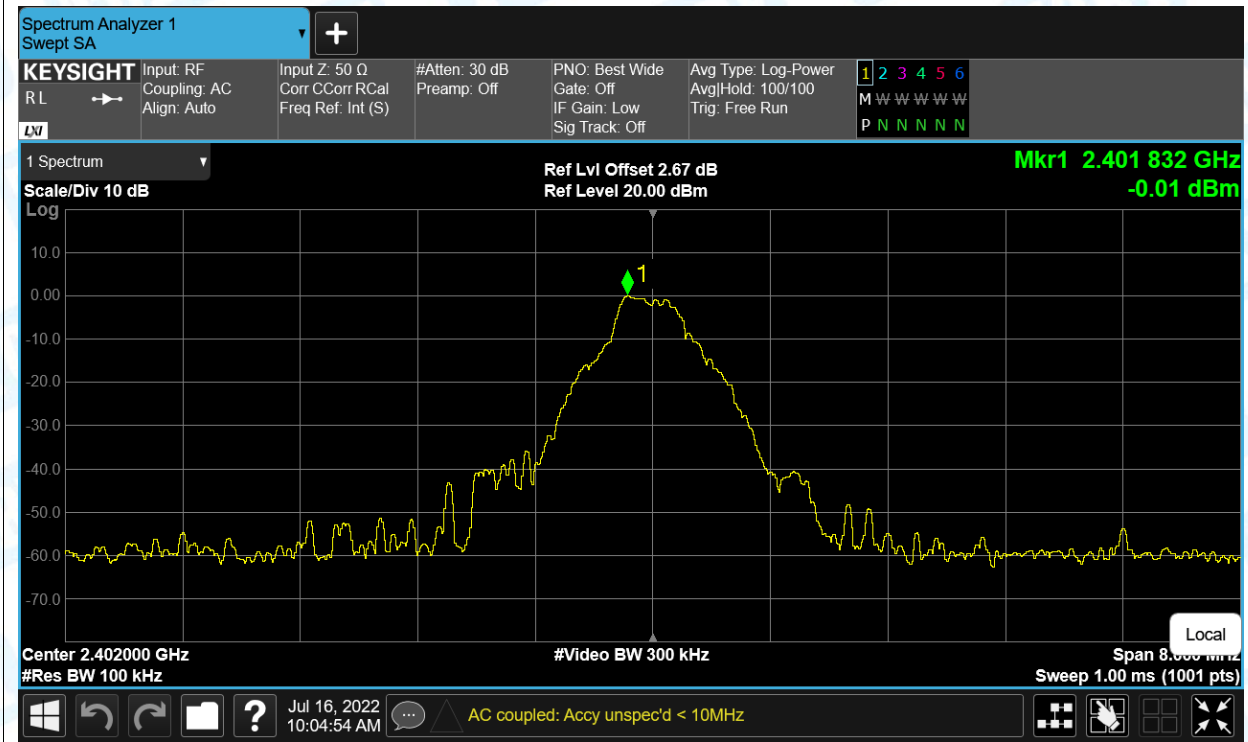


5. Band Edge

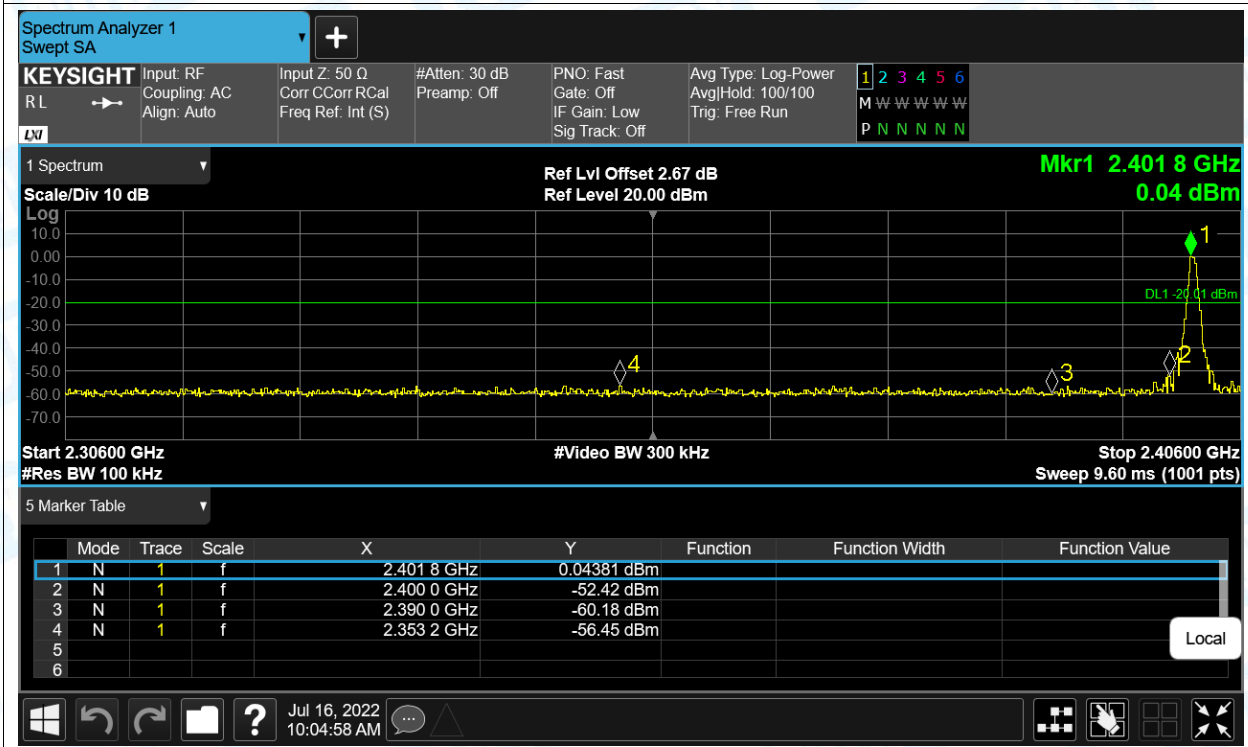
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-56.44	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-55.84	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-55.99	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-54.84	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-56.64	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-55.75	-20	Pass

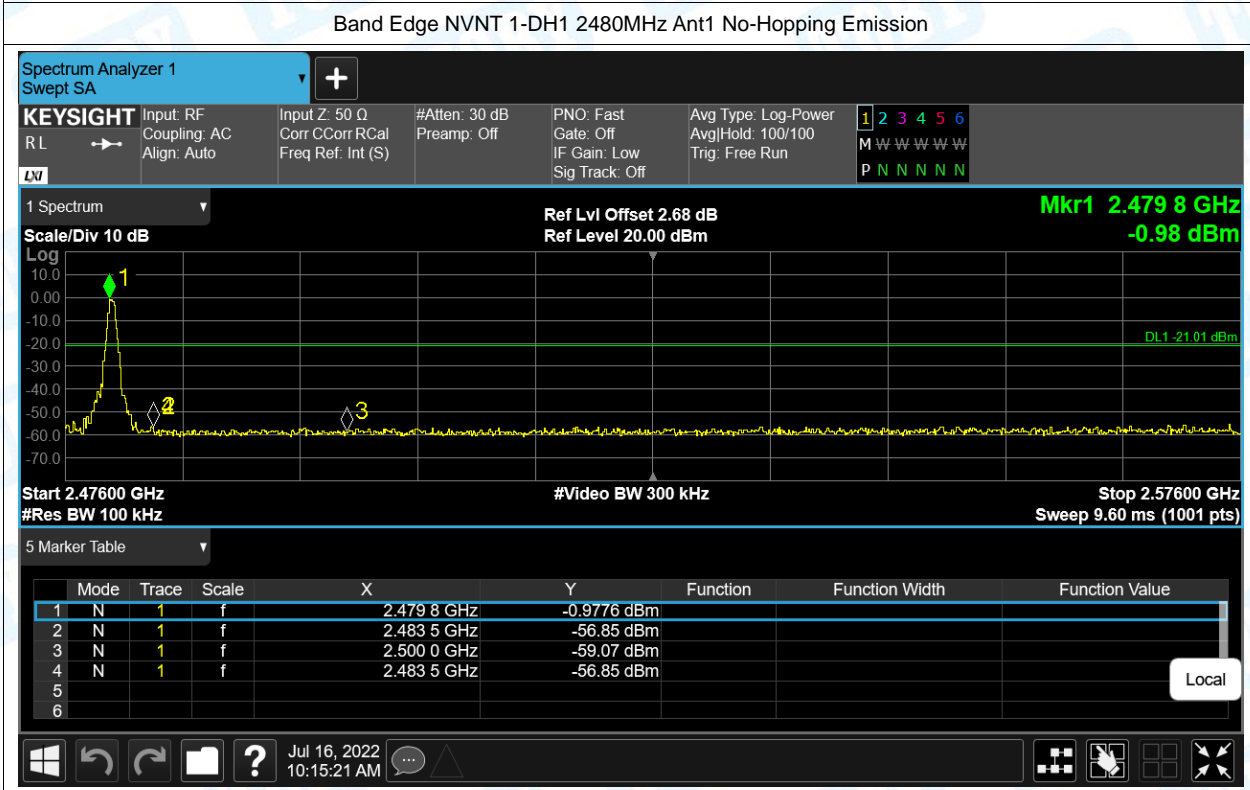
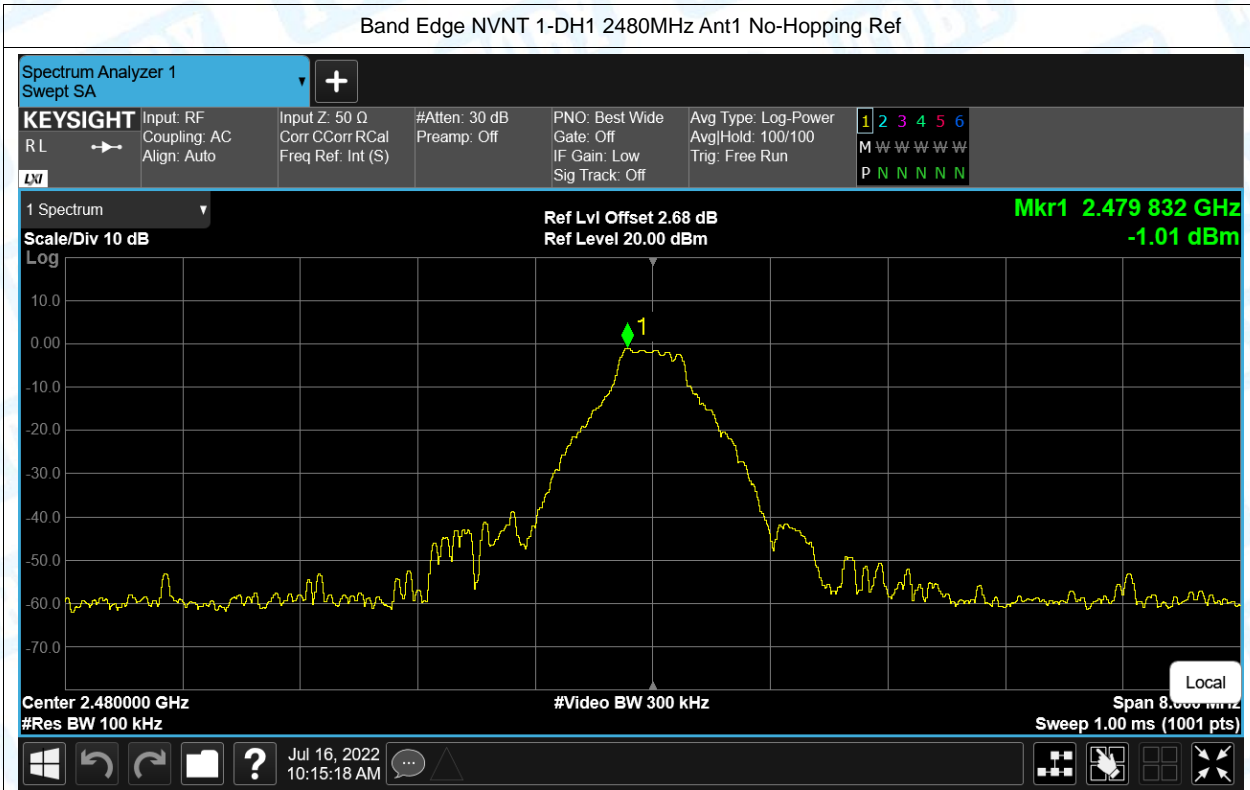
Test Graphs

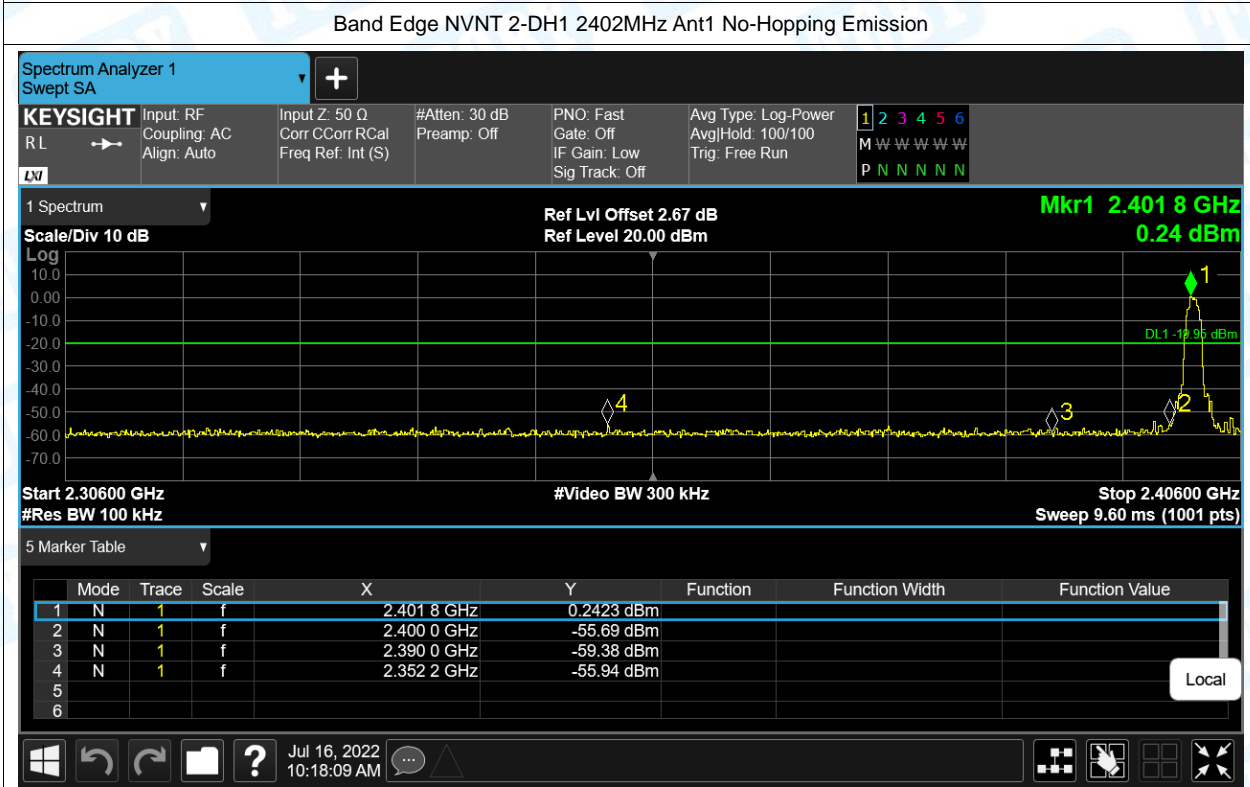
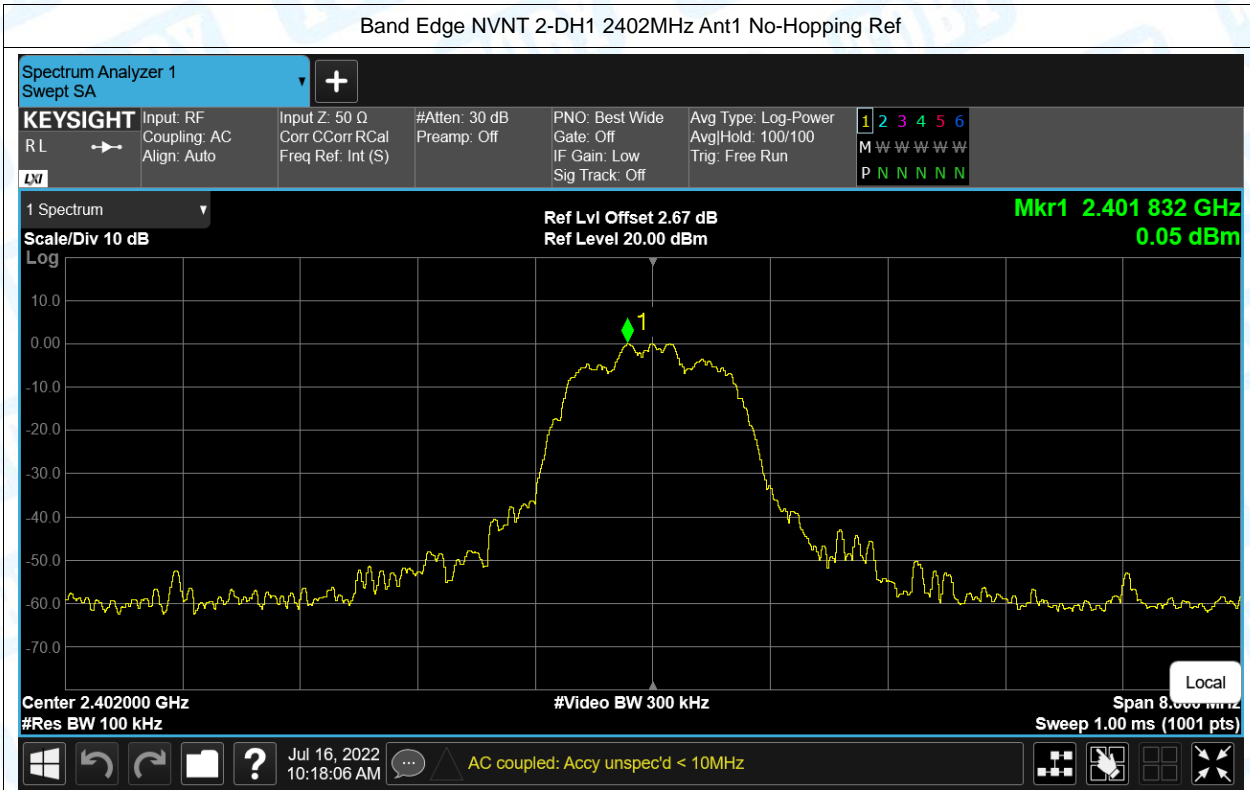
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref

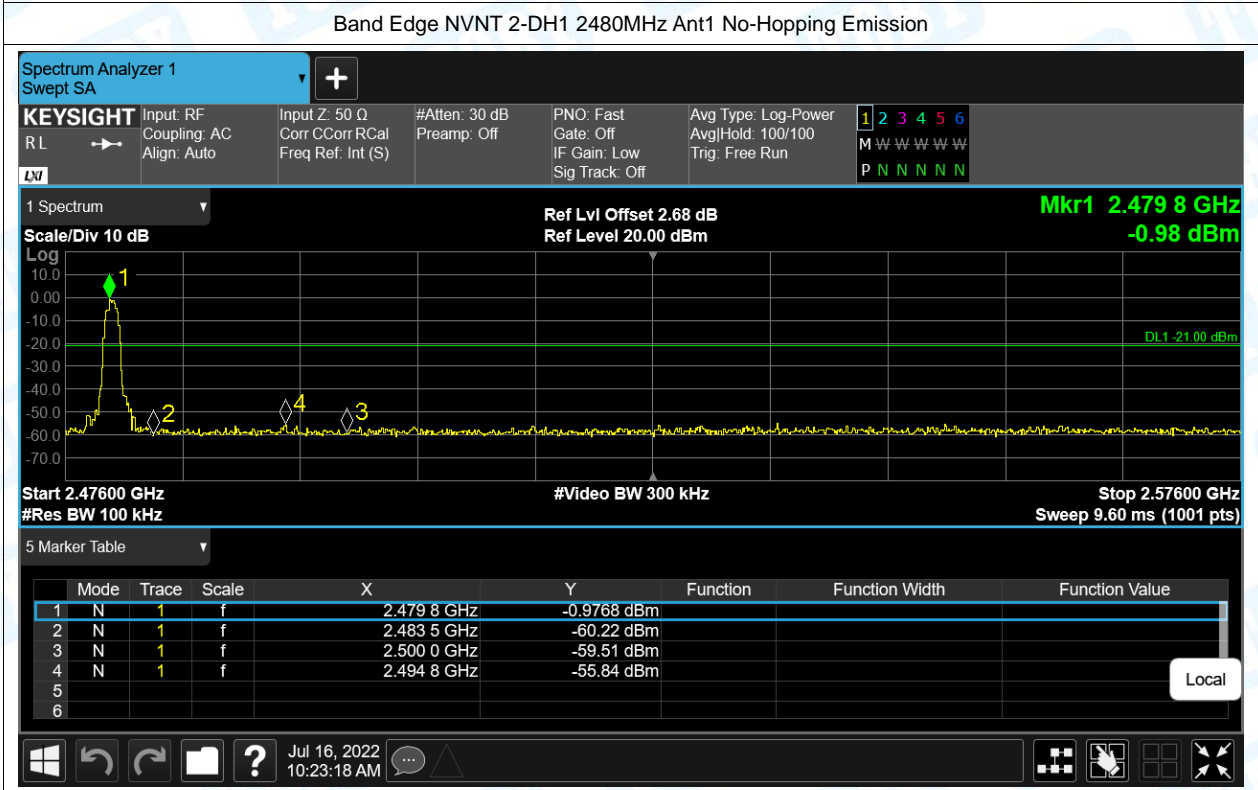
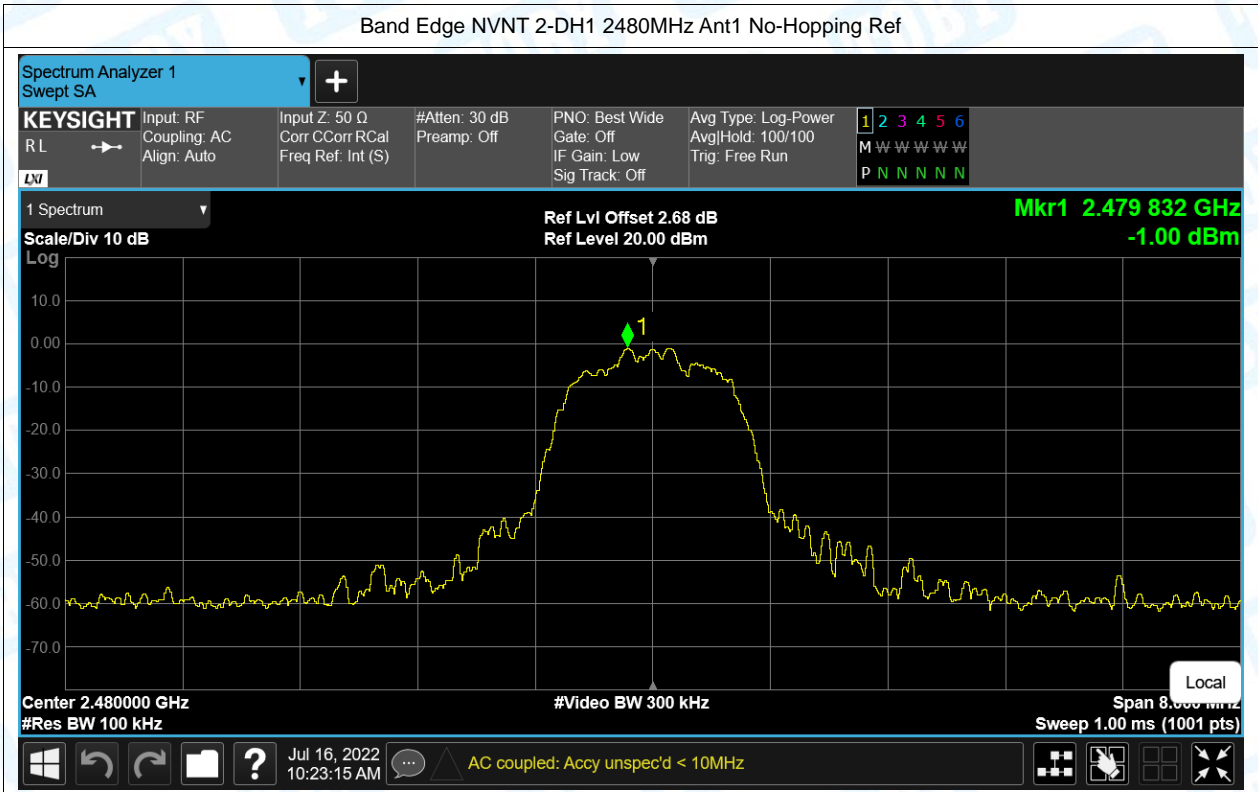


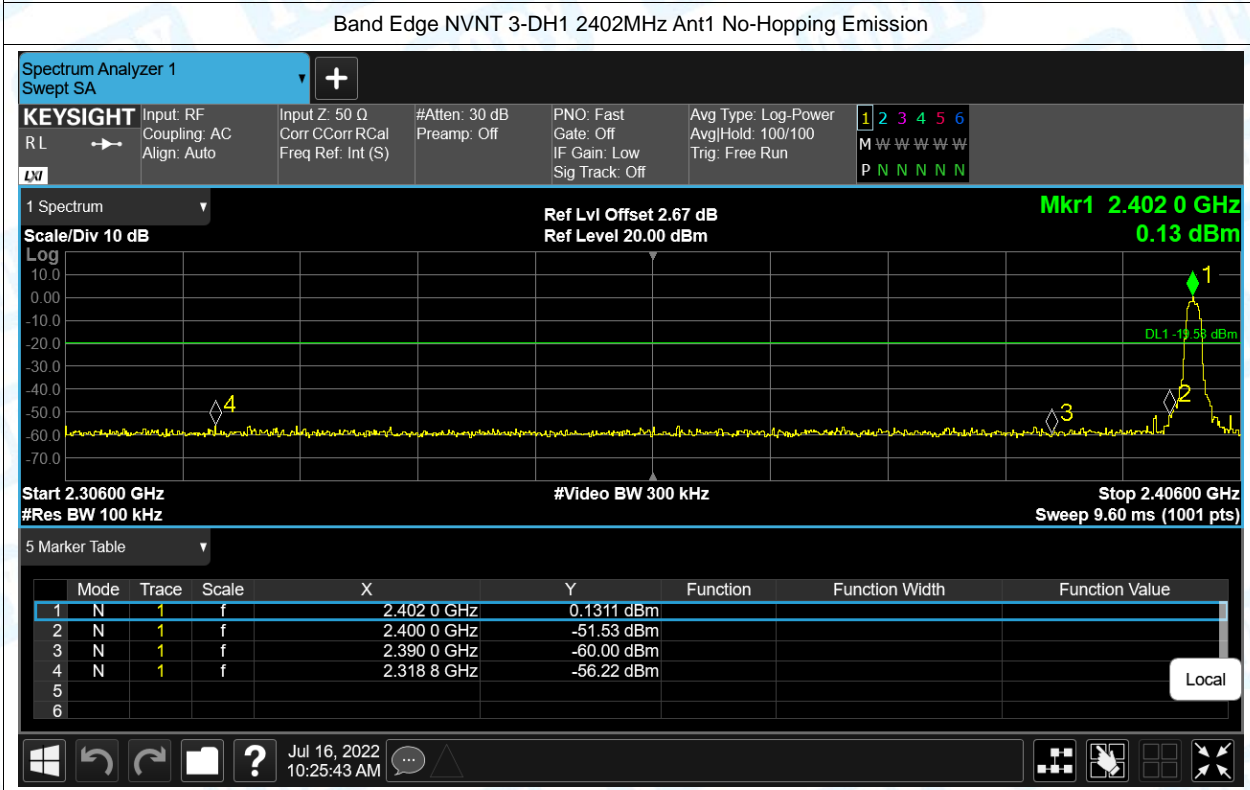
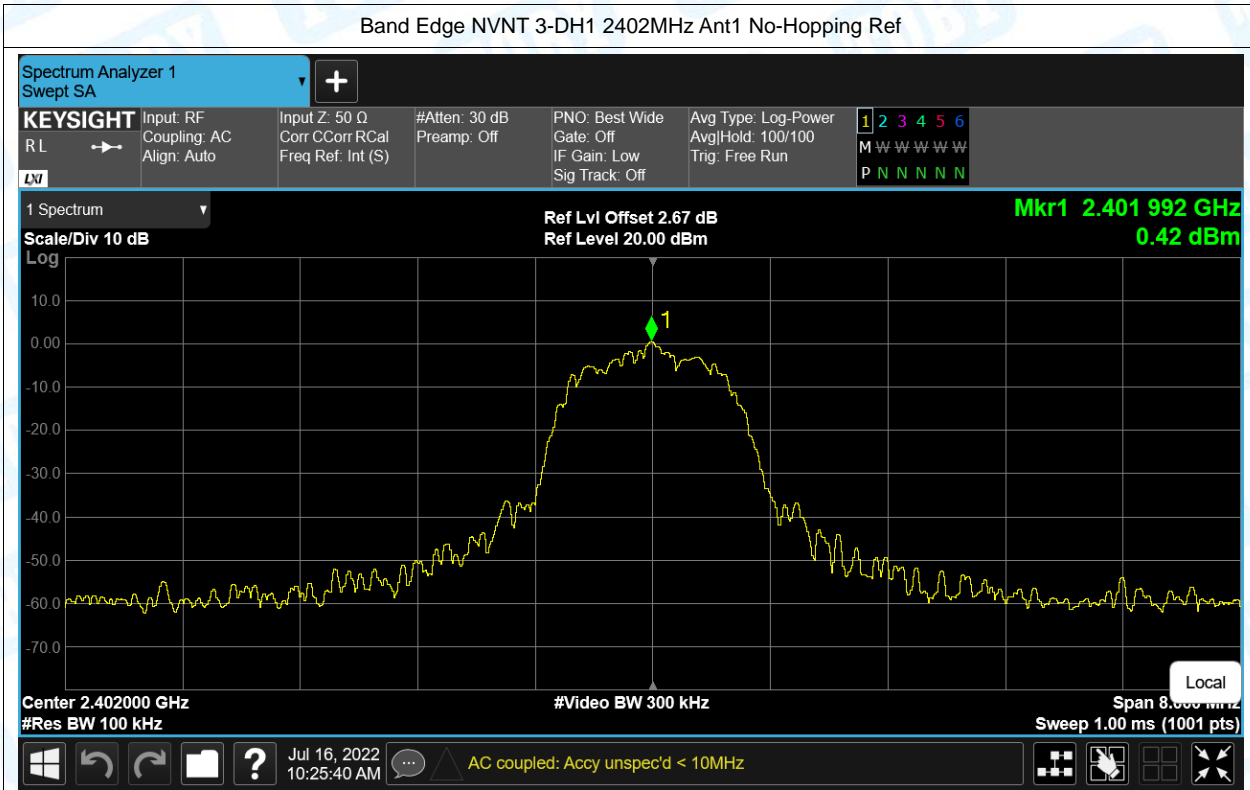
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission

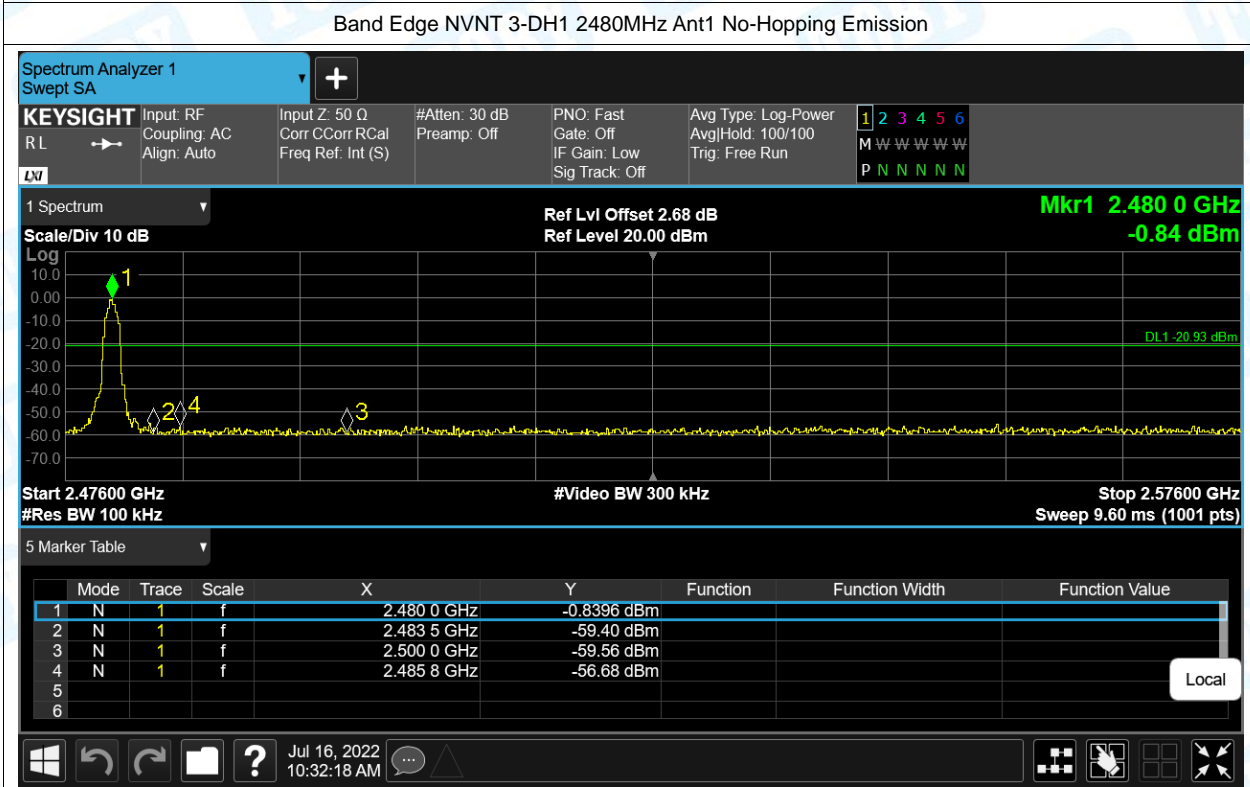
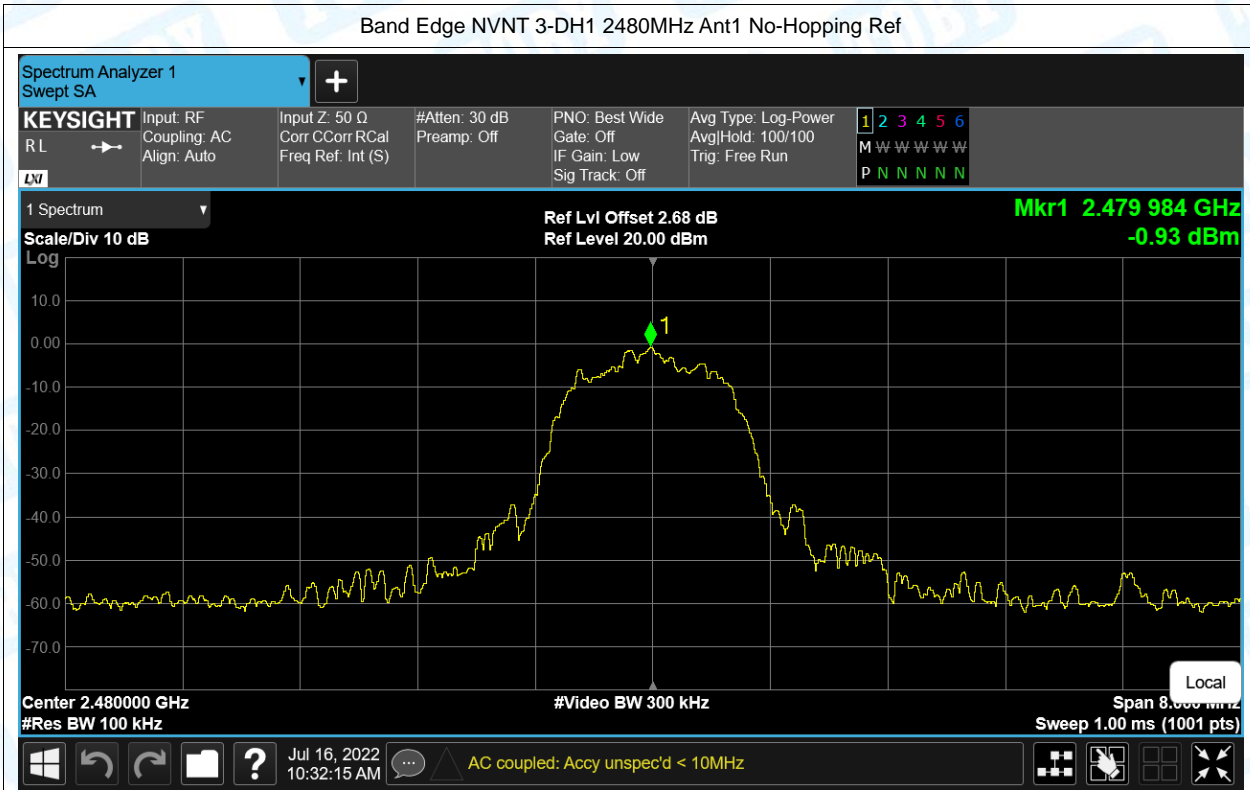










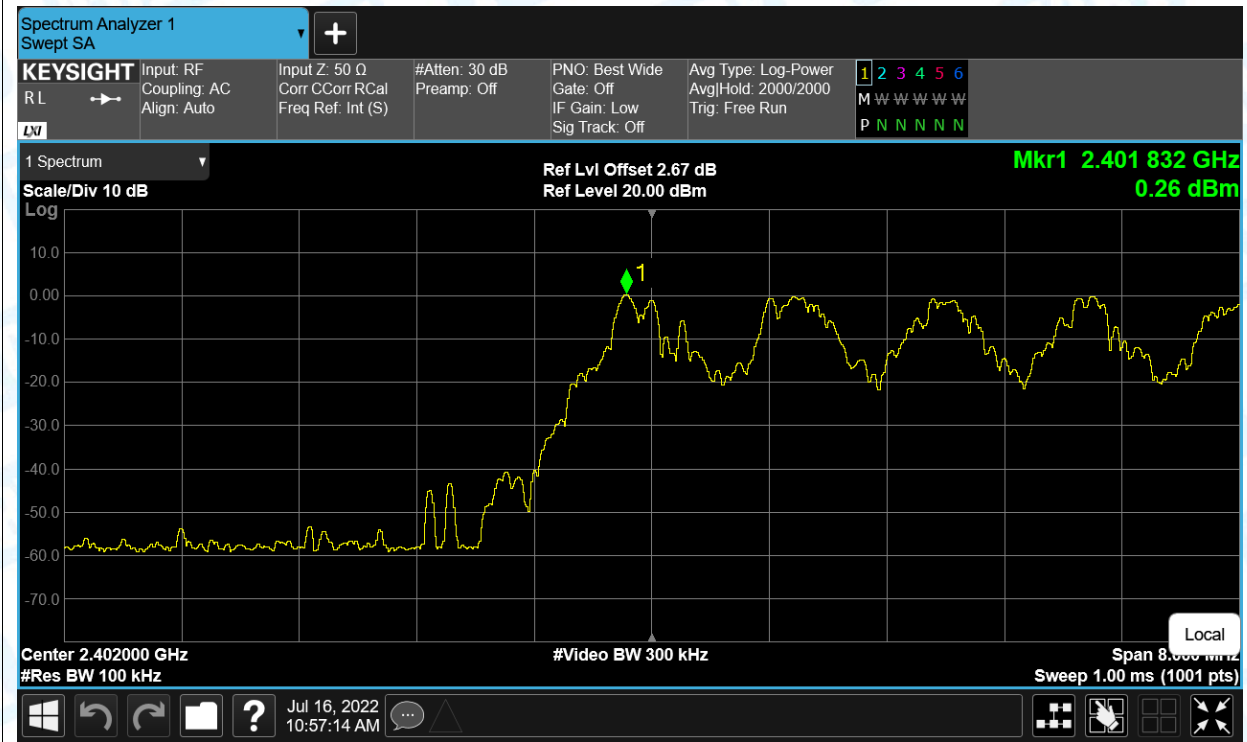


6. Band Edge(Hopping)

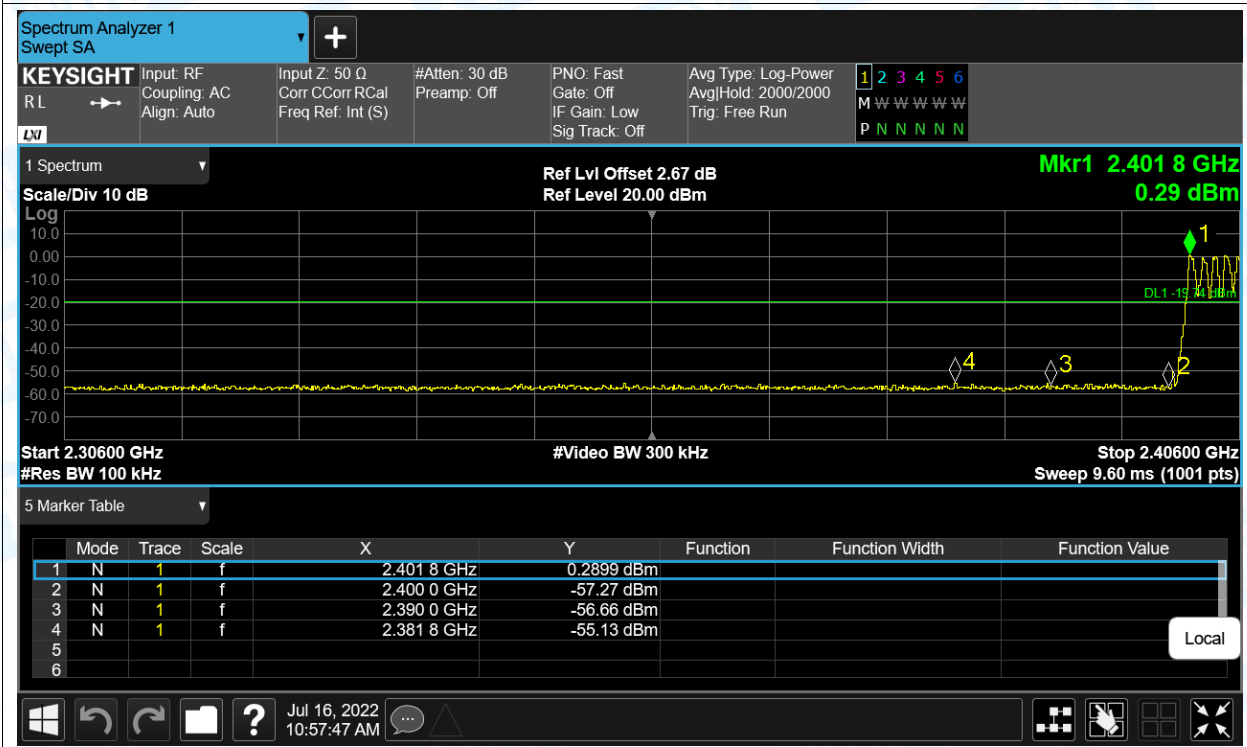
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-55.39	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-54.27	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-55.76	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-53.44	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-55.46	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-54.25	-20	Pass

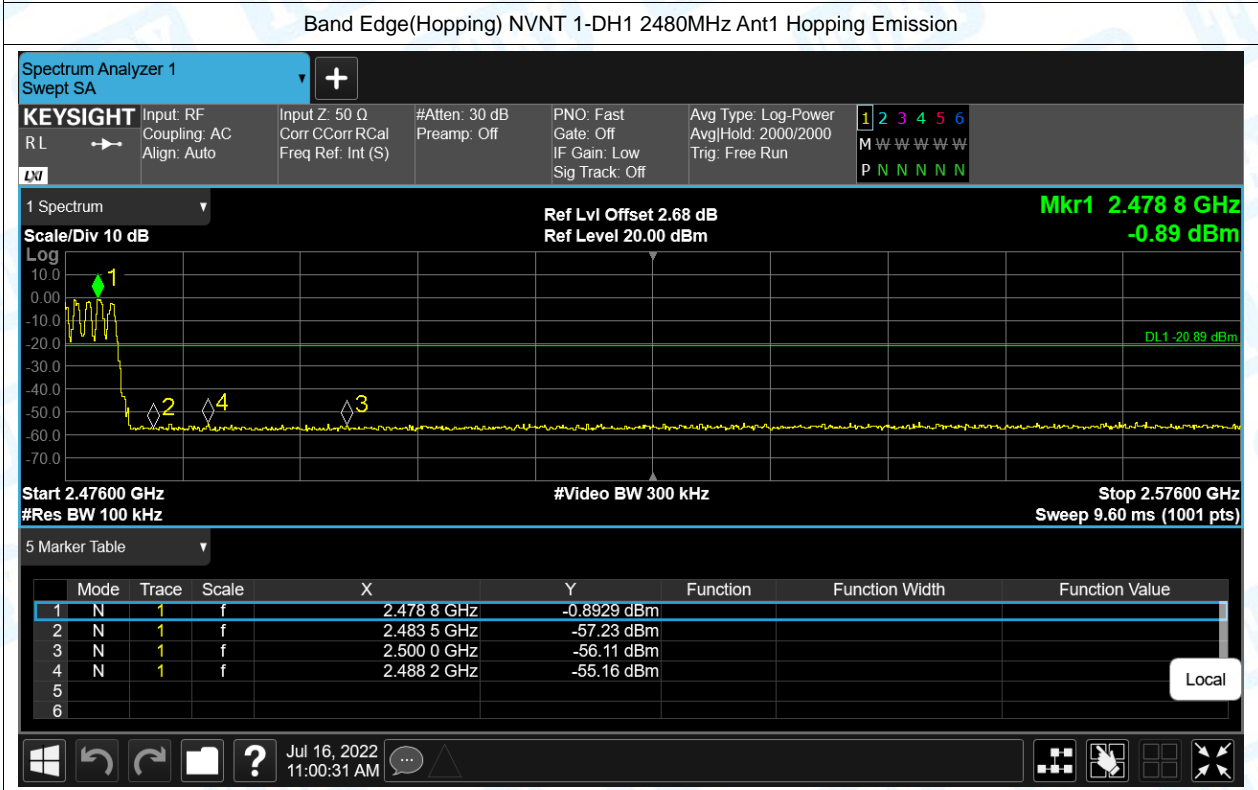
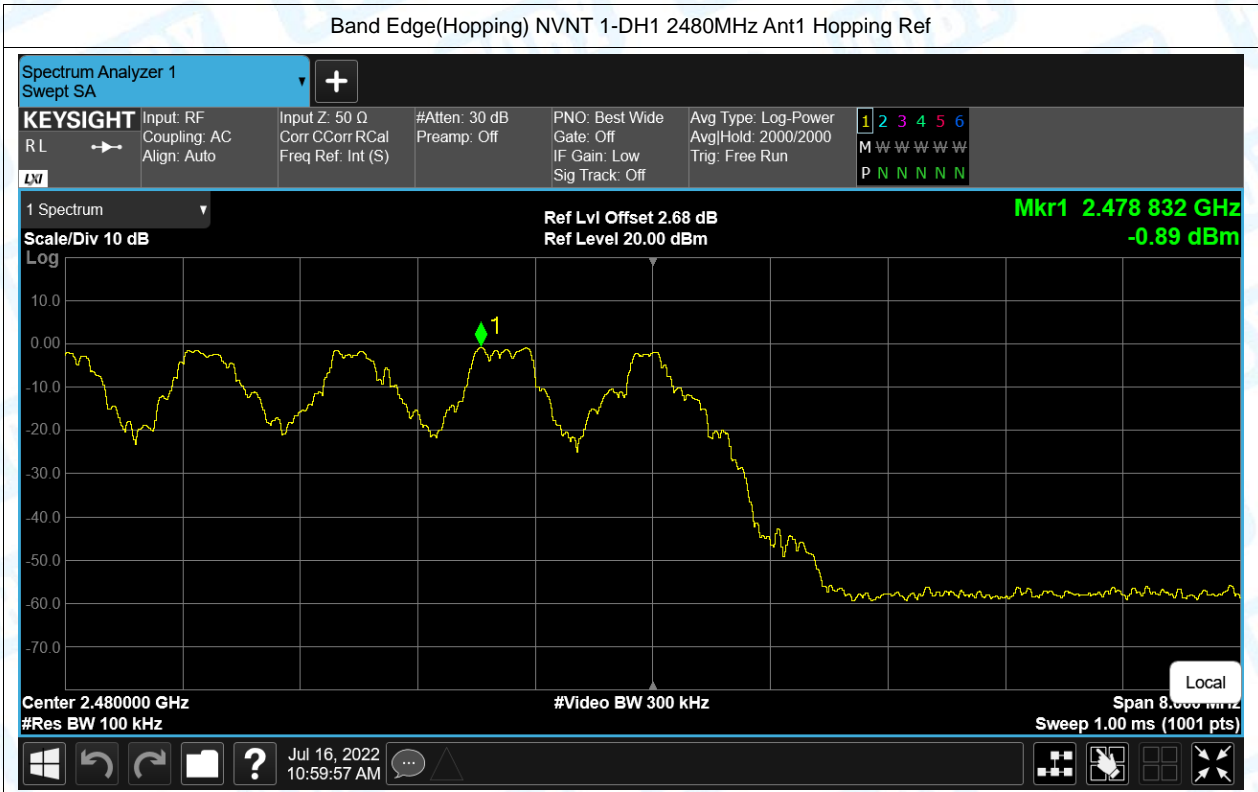
Test Graphs

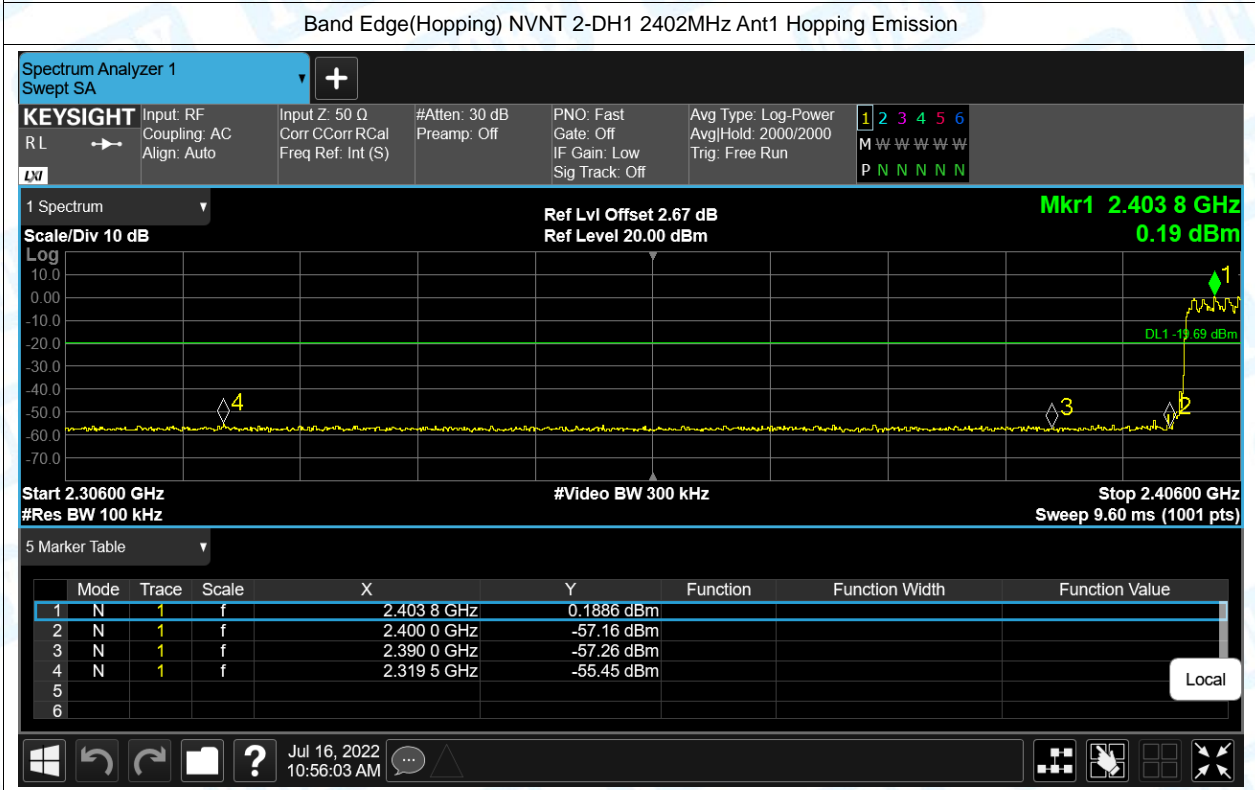
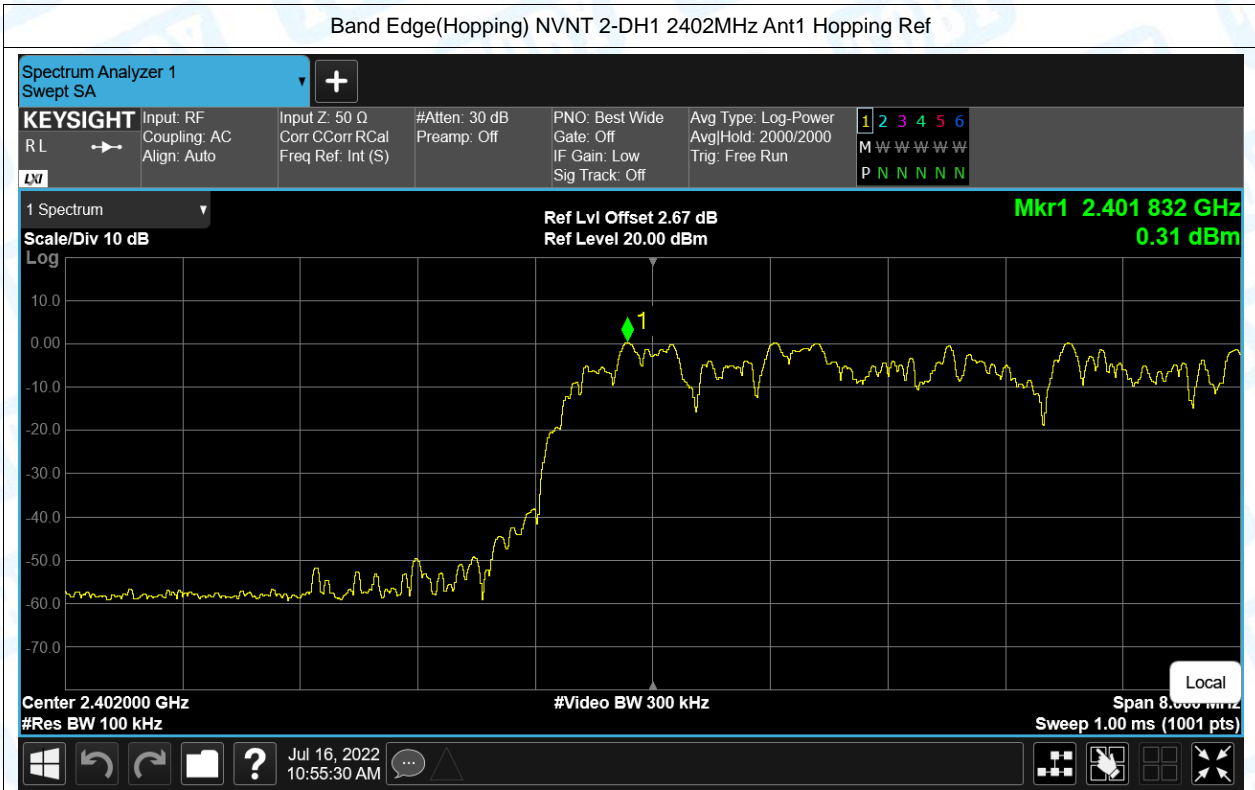
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Ref

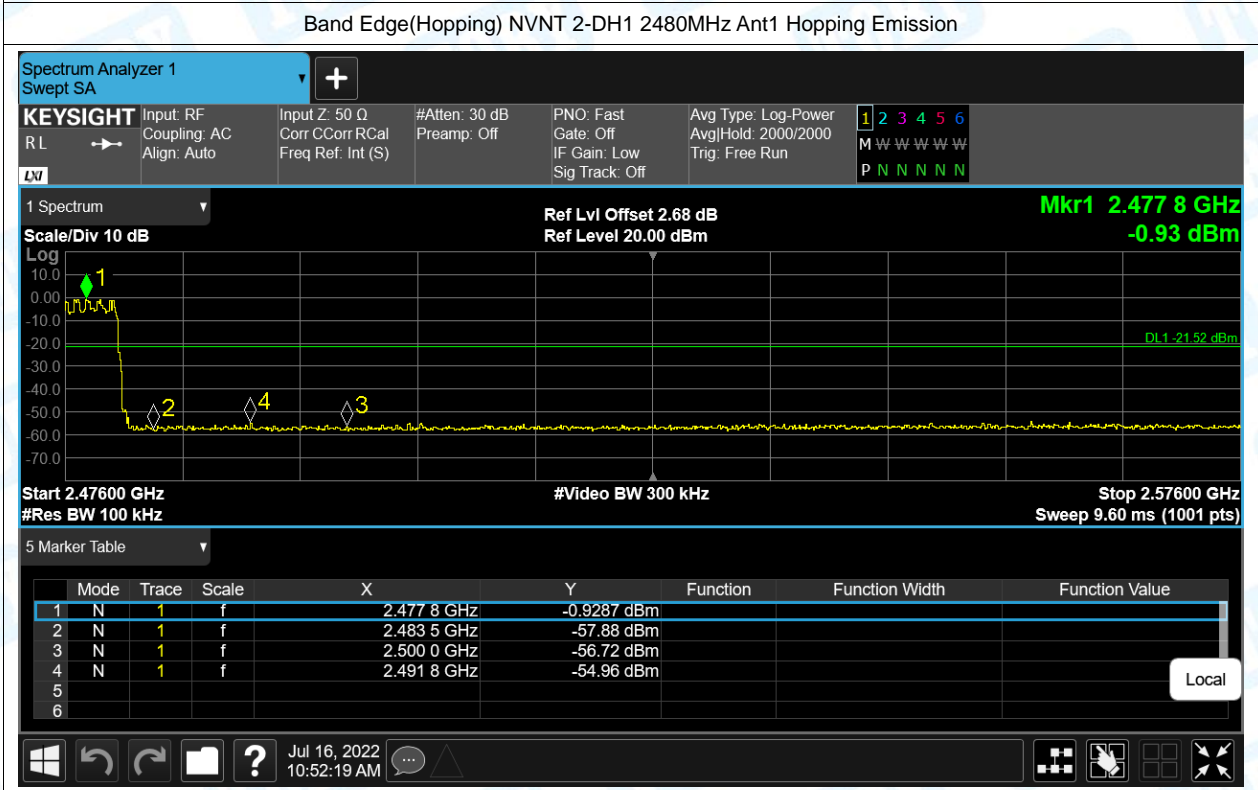
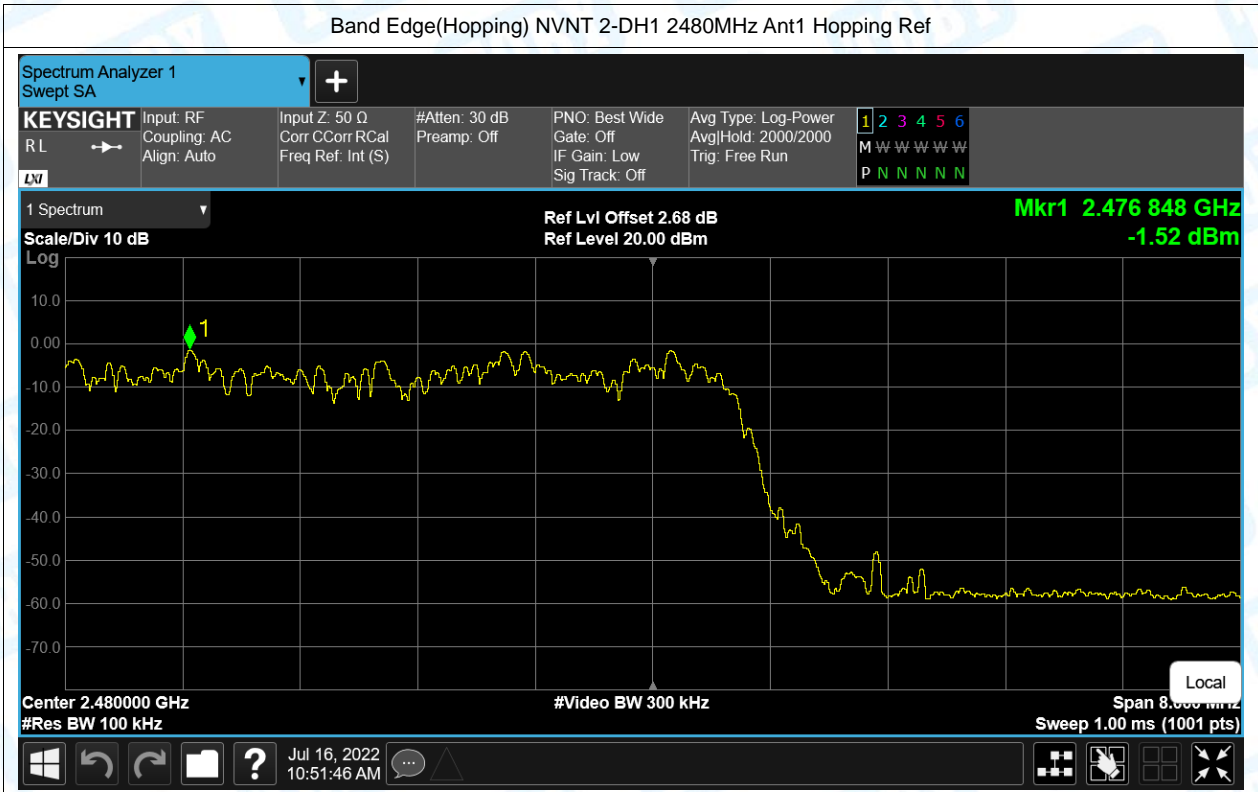


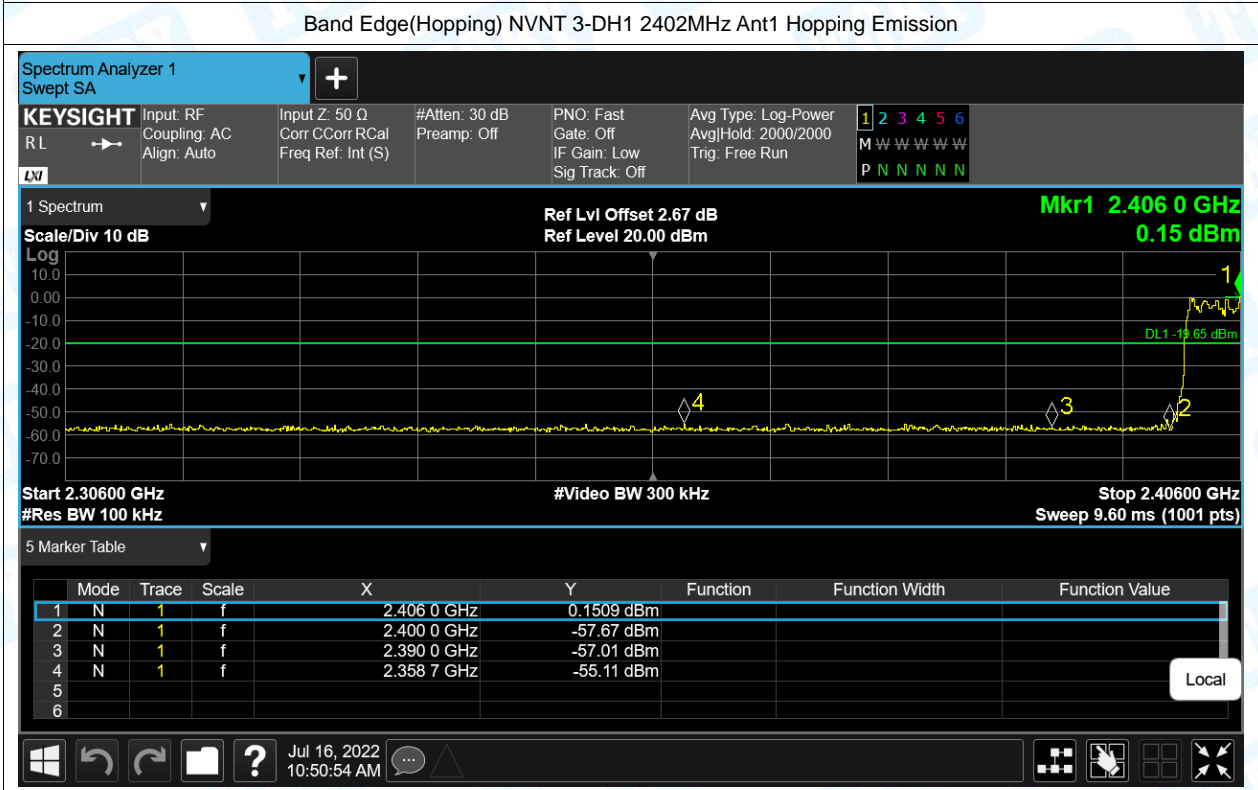
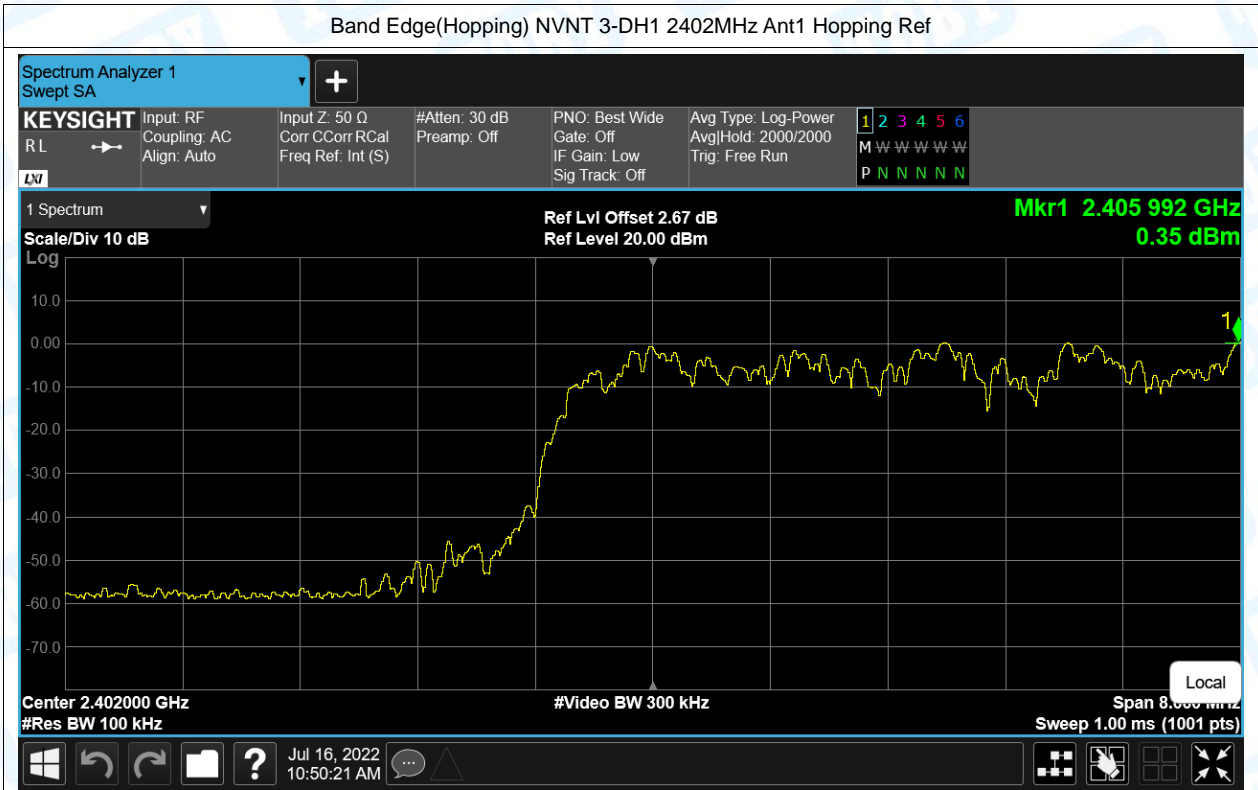
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission

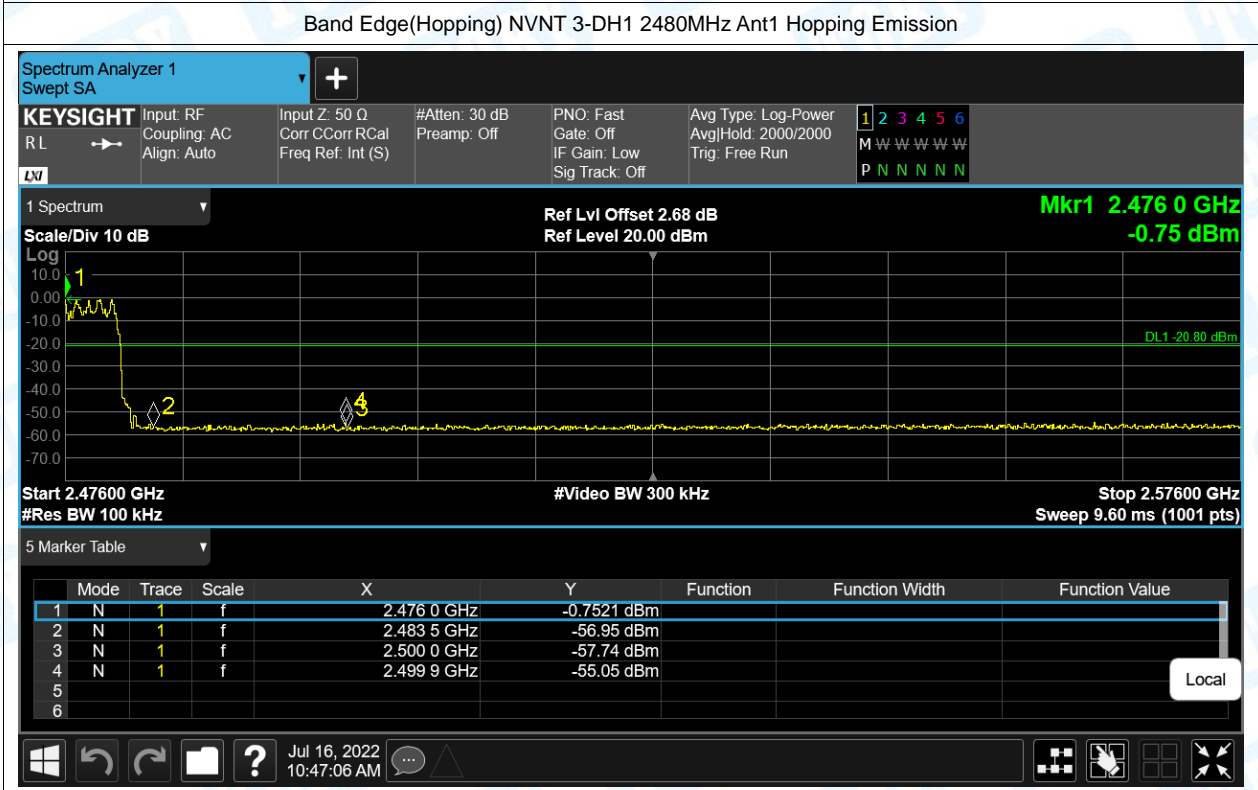










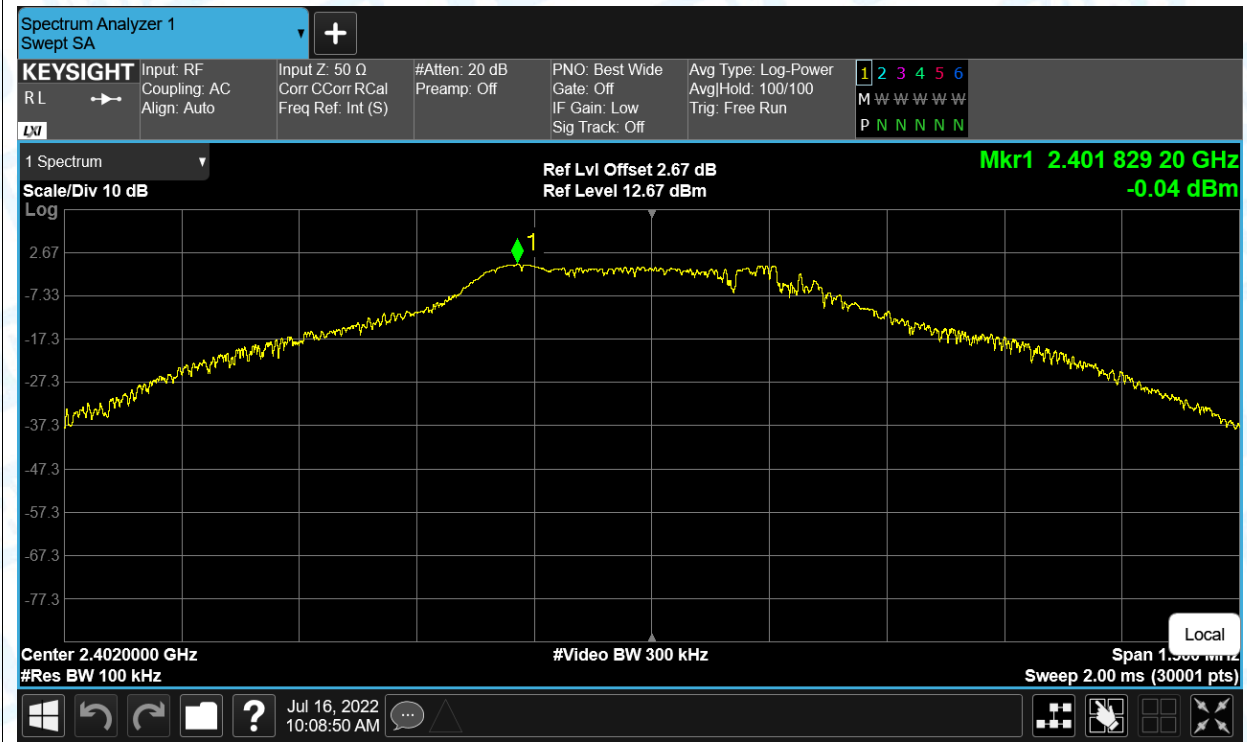


7. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-43.59	-20	Pass
NVNT	1-DH1	2441	Ant1	-46.86	-20	Pass
NVNT	1-DH1	2480	Ant1	-45.99	-20	Pass
NVNT	2-DH1	2402	Ant1	-42.61	-20	Pass
NVNT	2-DH1	2441	Ant1	-43.14	-20	Pass
NVNT	2-DH1	2480	Ant1	-45.78	-20	Pass
NVNT	3-DH1	2402	Ant1	-42.9	-20	Pass
NVNT	3-DH1	2441	Ant1	-43.96	-20	Pass
NVNT	3-DH1	2480	Ant1	-47.4	-20	Pass

Test Graphs

Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission

