

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

General Description of EUT	
Product Name:	Spirito H11
Test Model:	Spirito H11
Sample ID:	202206-0362-5-2#
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-202206-0362-10.	

Contents

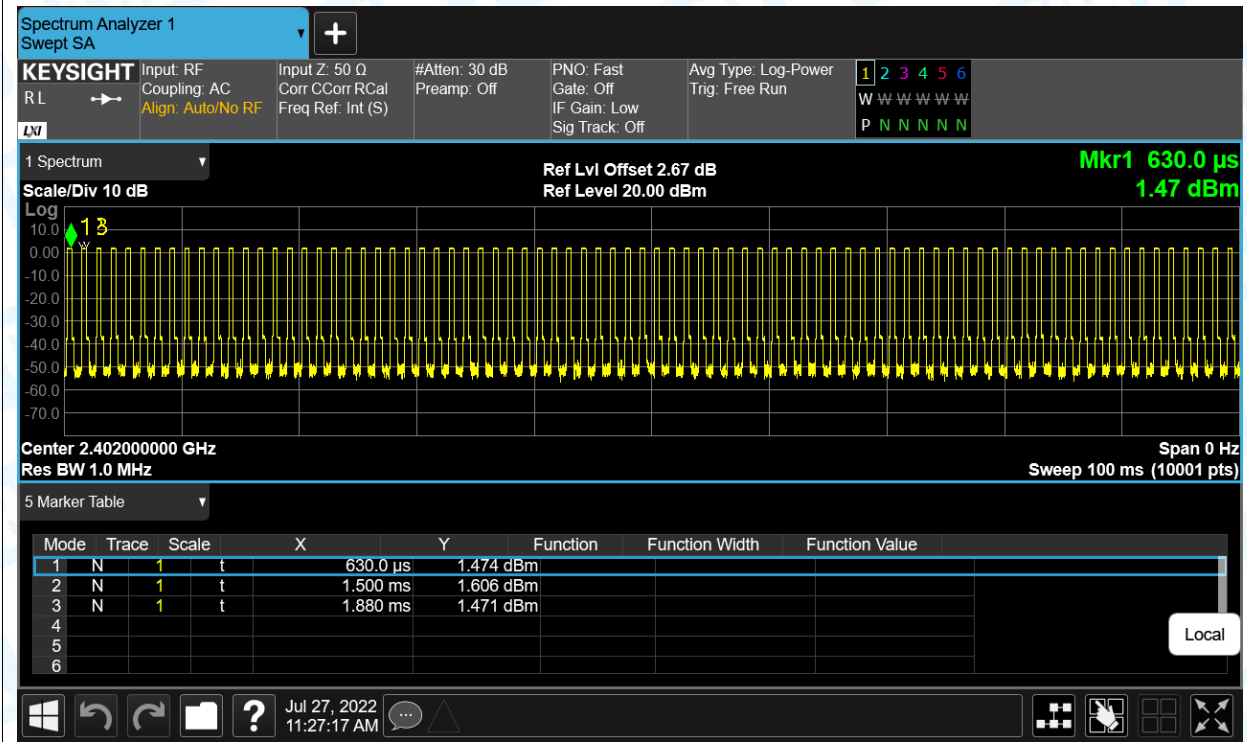
1. Duty Cycle	3
2. Maximum Conducted Output Power	9
3. -20dB Bandwidth	15
5. Band Edge	21
6. Band Edge(Hopping)	28
7. Conducted RF Spurious Emission	35
8. Restrict Band	45
9. Carrier Frequencies Separation	52
10. Number of Hopping Channel	55
11. Dwell Time	58

1. Duty Cycle

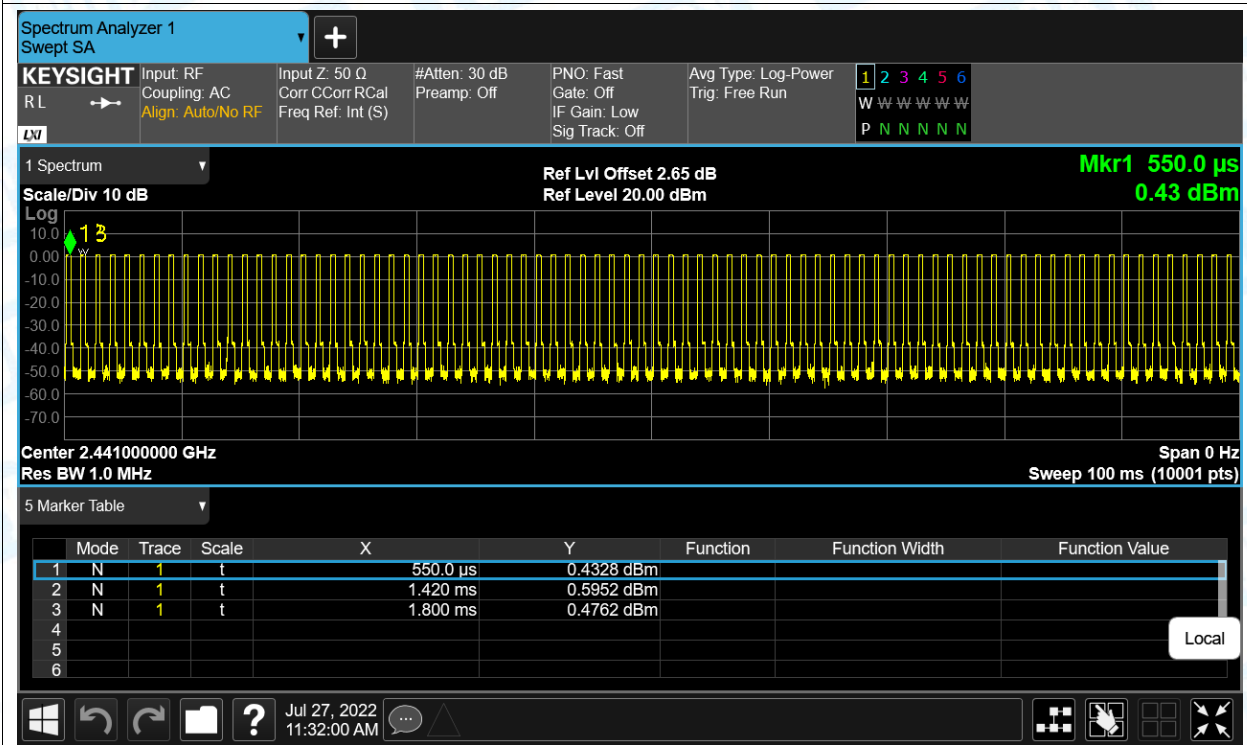
Condition	Mode	Frequency (MHz)	Antenna	1/T (kHz)
NVNT	1-DH1	2402	Ant1	2.63
NVNT	1-DH1	2441	Ant1	2.63
NVNT	1-DH1	2480	Ant1	2.56
NVNT	2-DH1	2402	Ant1	2.56
NVNT	2-DH1	2441	Ant1	2.63
NVNT	2-DH1	2480	Ant1	2.56
NVNT	3-DH1	2402	Ant1	2.56
NVNT	3-DH1	2441	Ant1	2.56
NVNT	3-DH1	2480	Ant1	2.56

Test Graphs

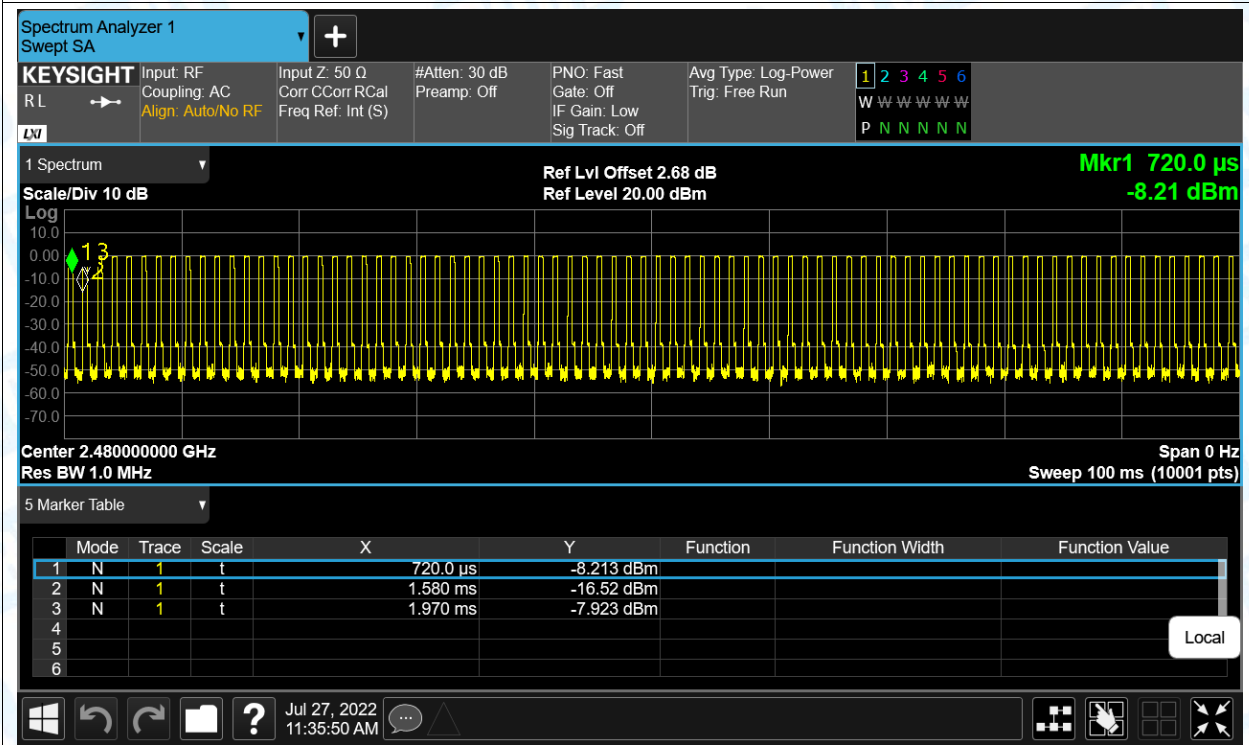
Duty Cycle NVNT 1-DH1 2402MHz Ant1



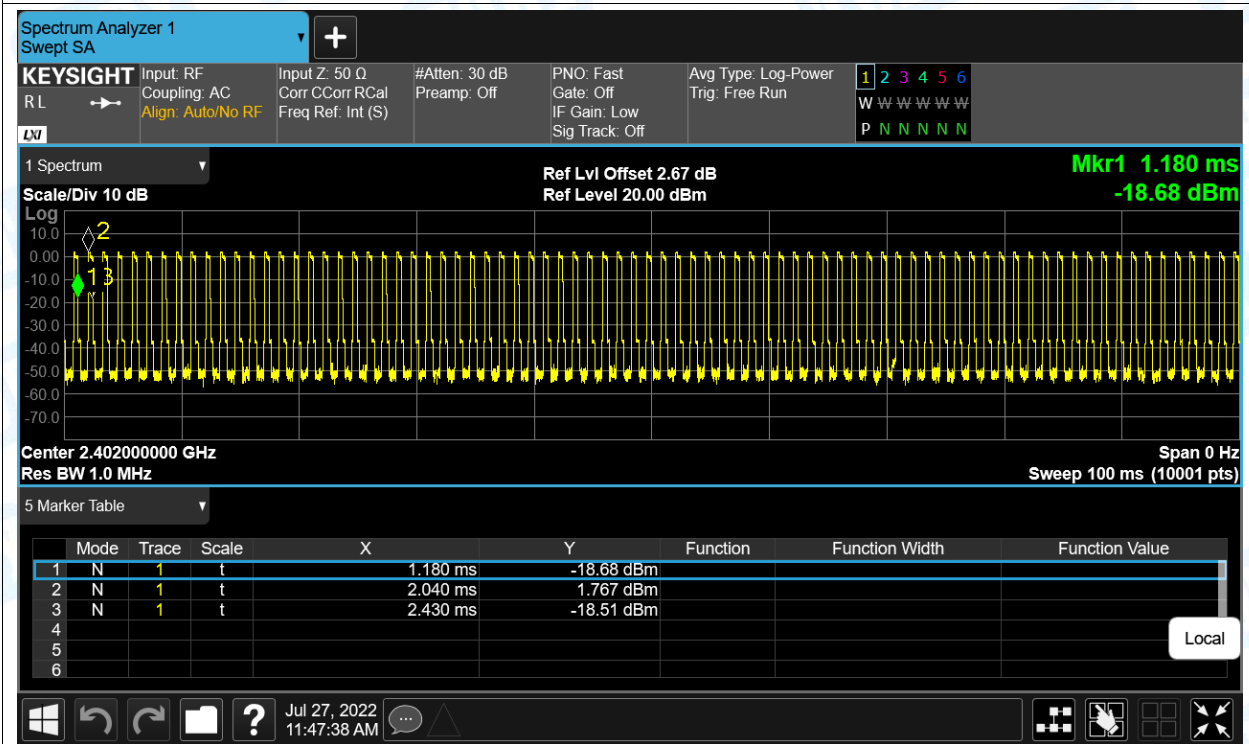
Duty Cycle NVNT 1-DH1 2441MHz Ant1



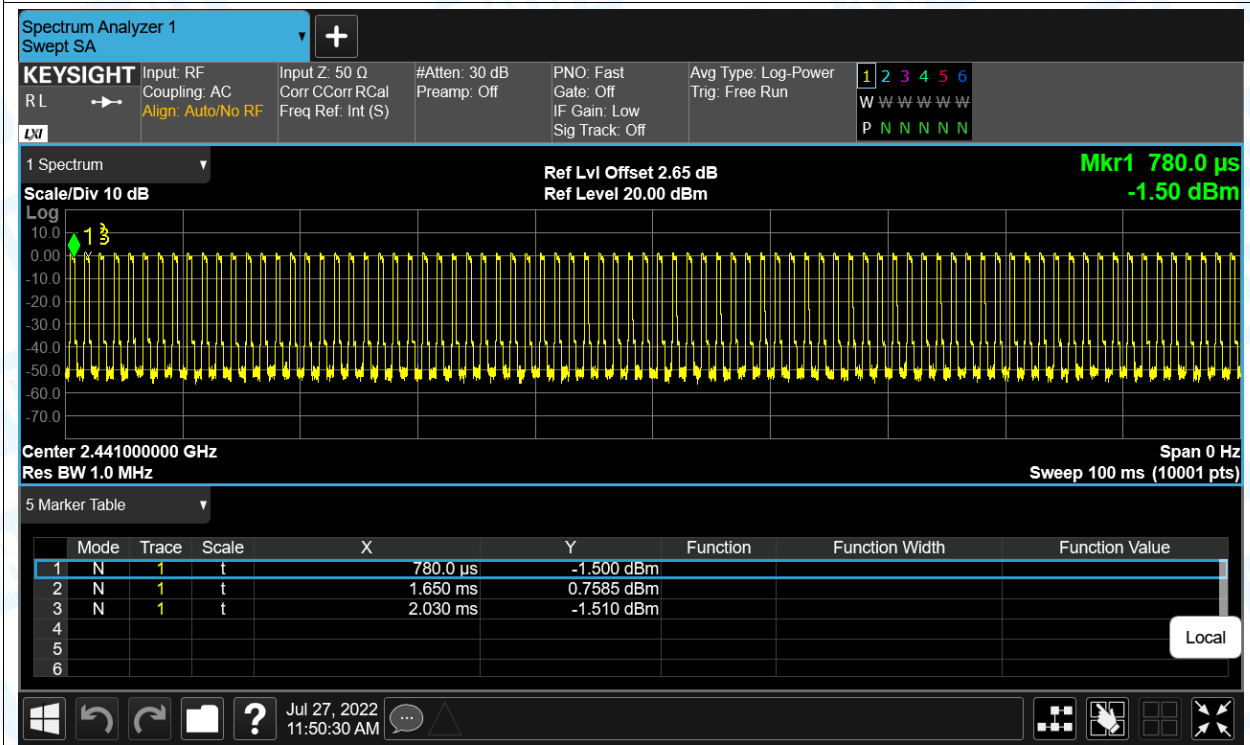
Duty Cycle NVNT 1-DH1 2480MHz Ant1



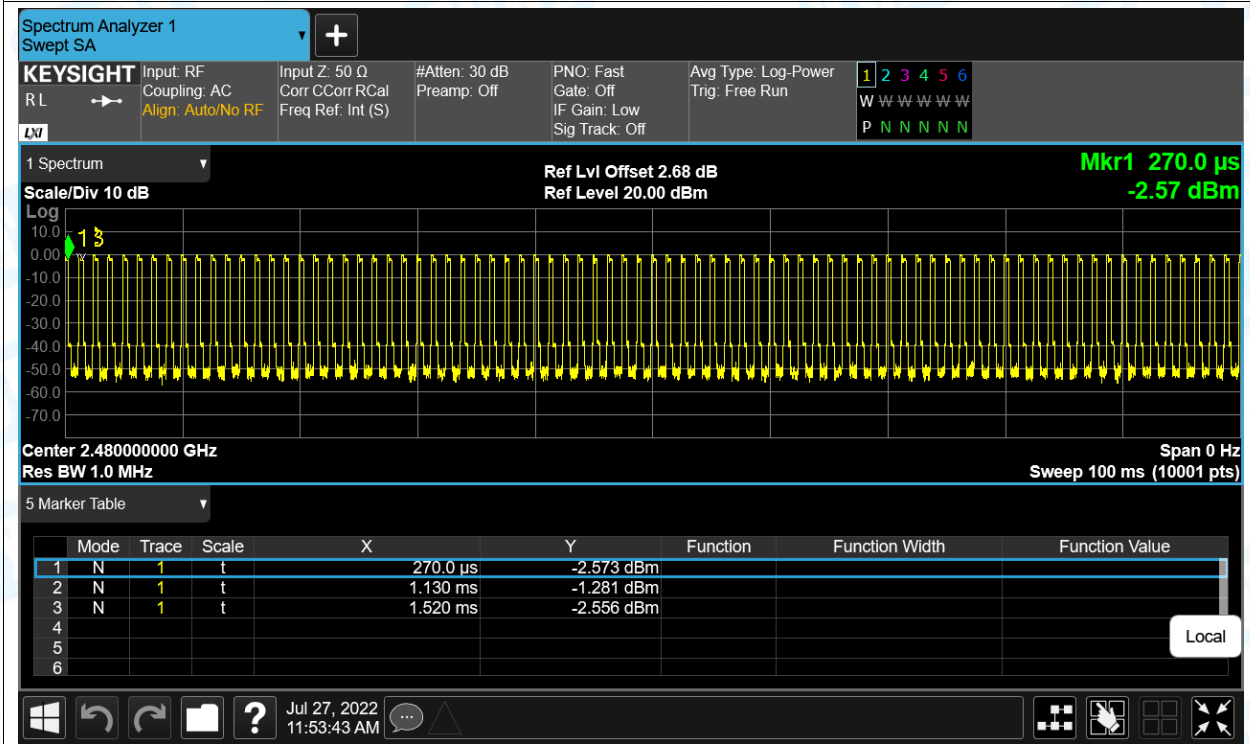
Duty Cycle NVNT 2-DH1 2402MHz Ant1



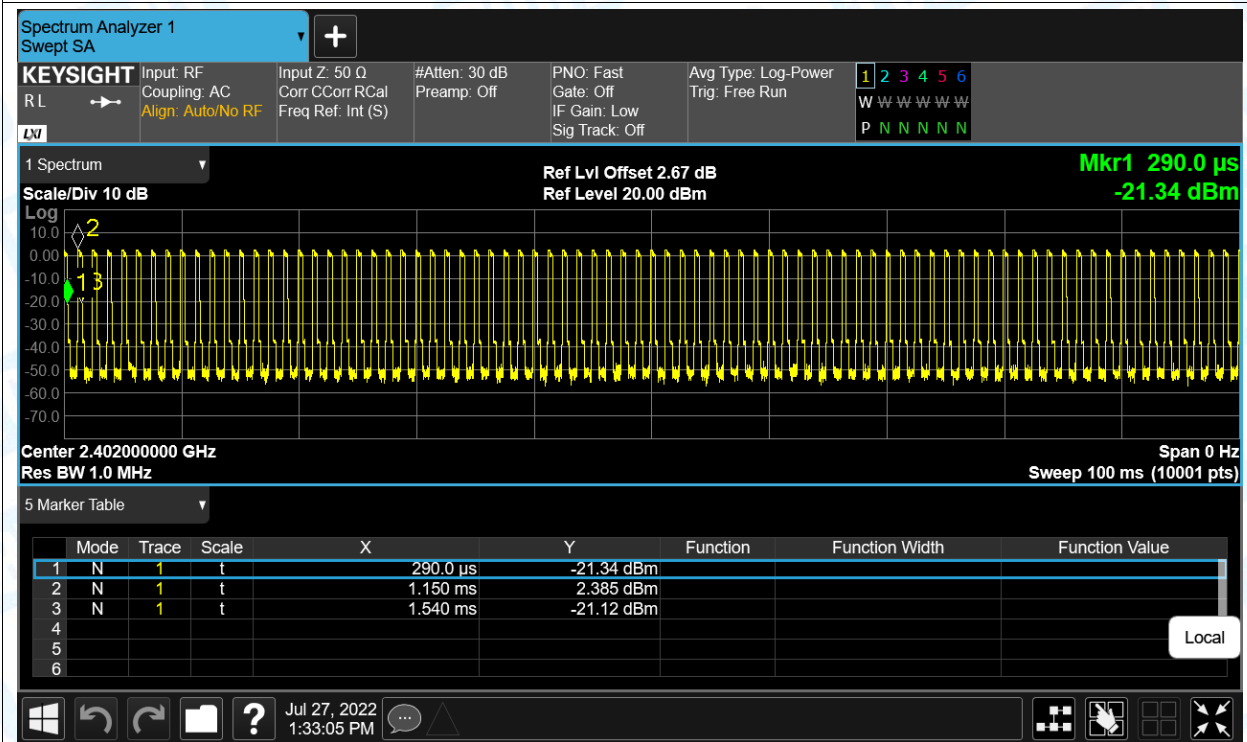
Duty Cycle NVNT 2-DH1 2441MHz Ant1



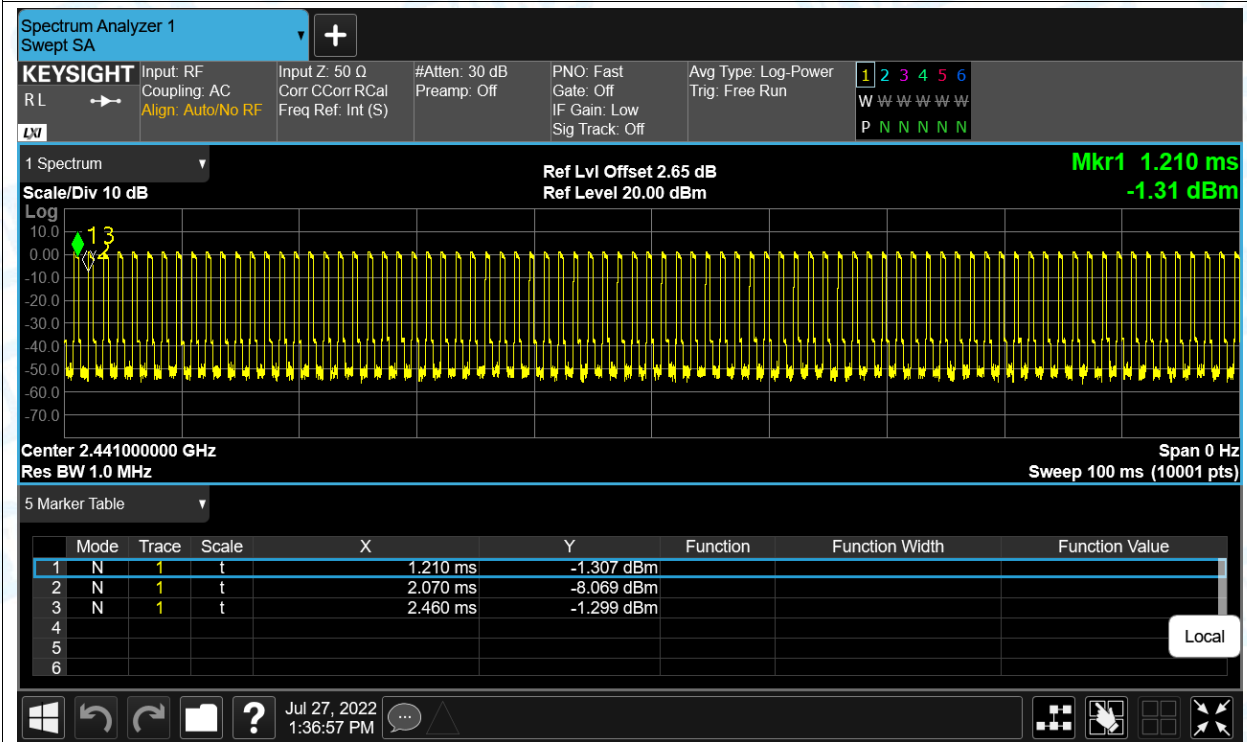
Duty Cycle NVNT 2-DH1 2480MHz Ant1

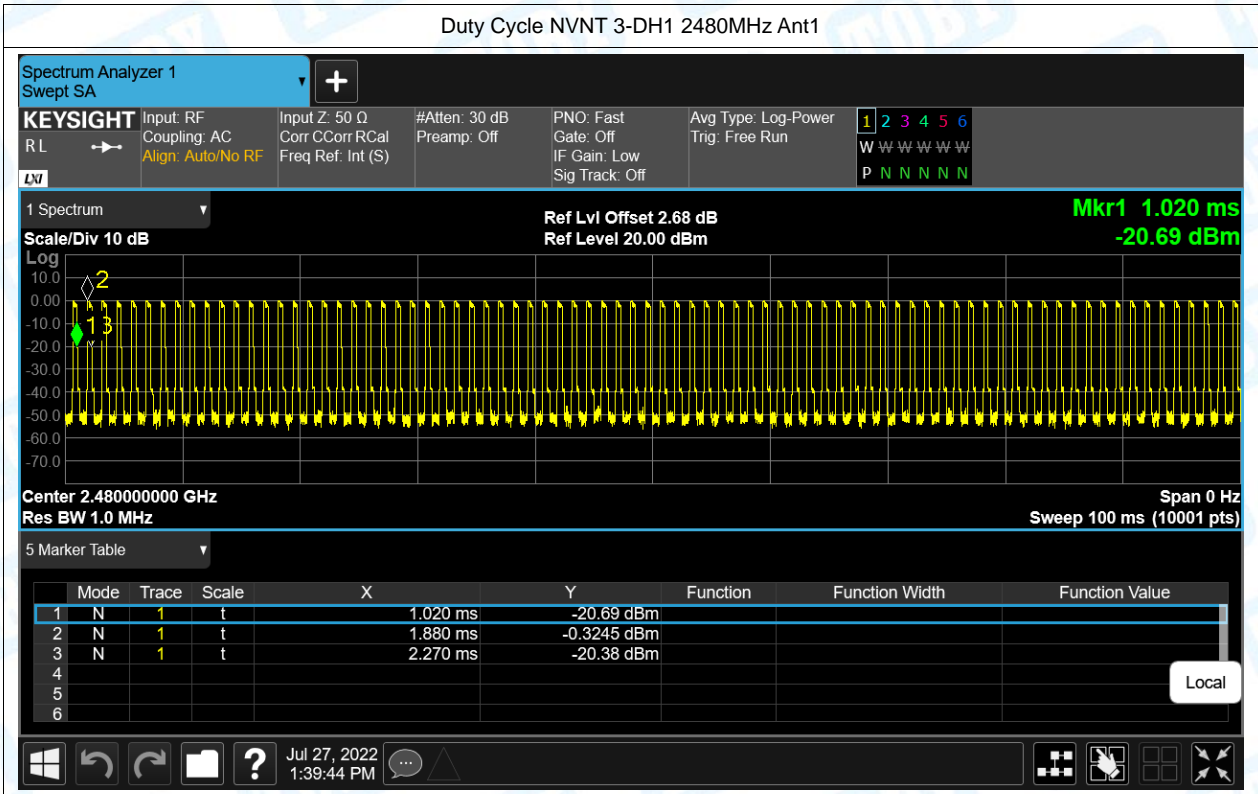


Duty Cycle NVNT 3-DH1 2402MHz Ant1



Duty Cycle NVNT 3-DH1 2441MHz Ant1



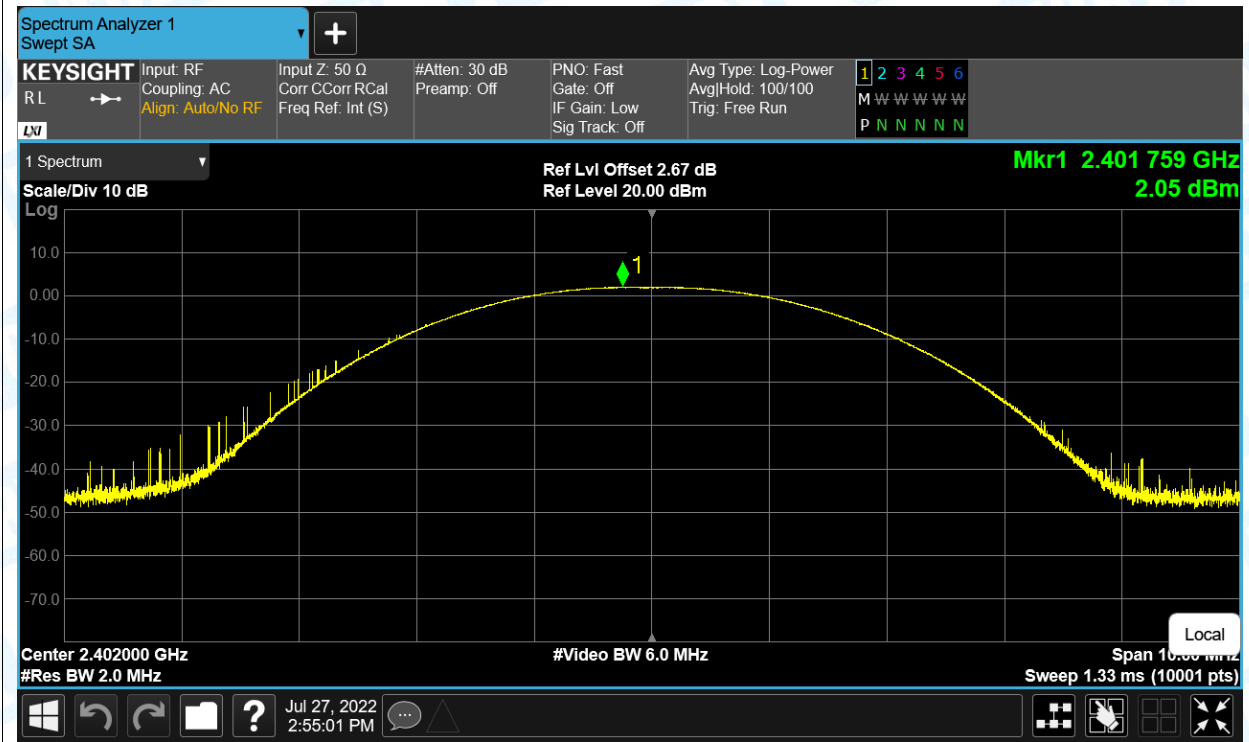


2. Maximum Conducted Output Power

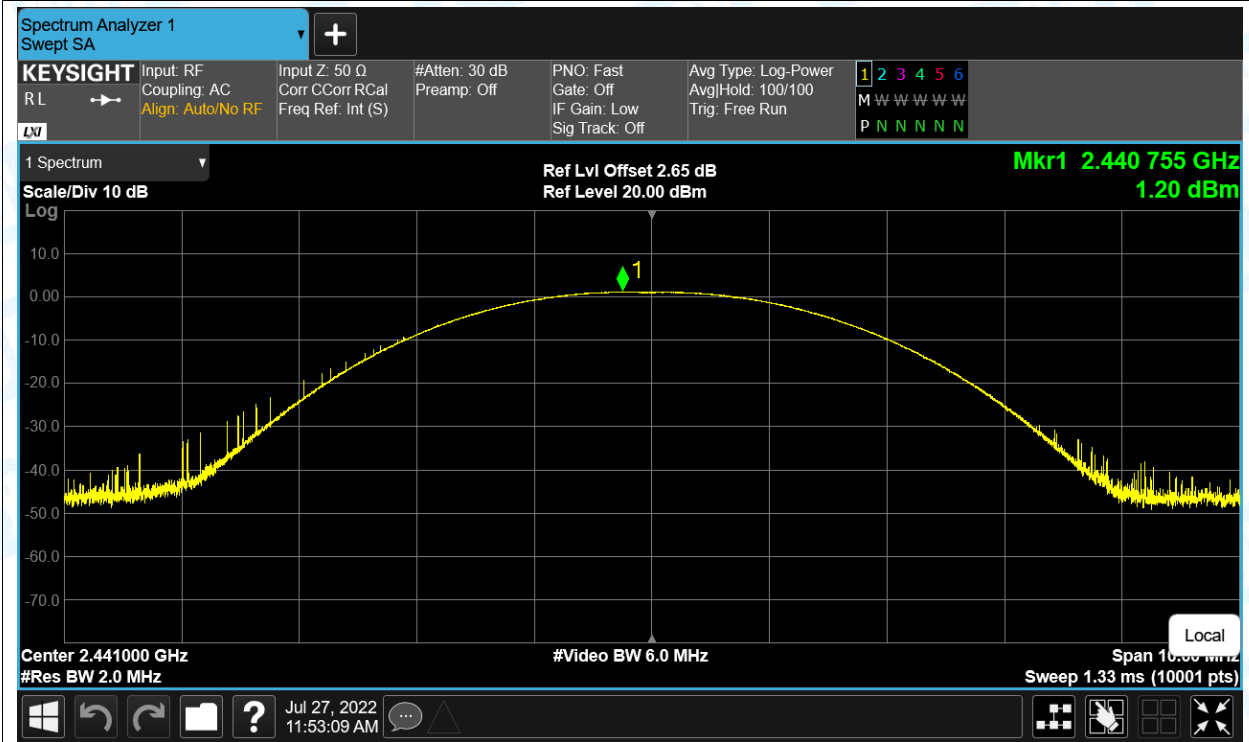
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	2.05	21	Pass
NVNT	1-DH1	2441	Ant1	1.197	21	Pass
NVNT	1-DH1	2480	Ant1	-0.176	21	Pass
NVNT	2-DH1	2402	Ant1	2.132	21	Pass
NVNT	2-DH1	2441	Ant1	1.146	21	Pass
NVNT	2-DH1	2480	Ant1	-0.02	21	Pass
NVNT	3-DH1	2402	Ant1	2.728	21	Pass
NVNT	3-DH1	2441	Ant1	1.317	21	Pass
NVNT	3-DH1	2480	Ant1	0.052	21	Pass

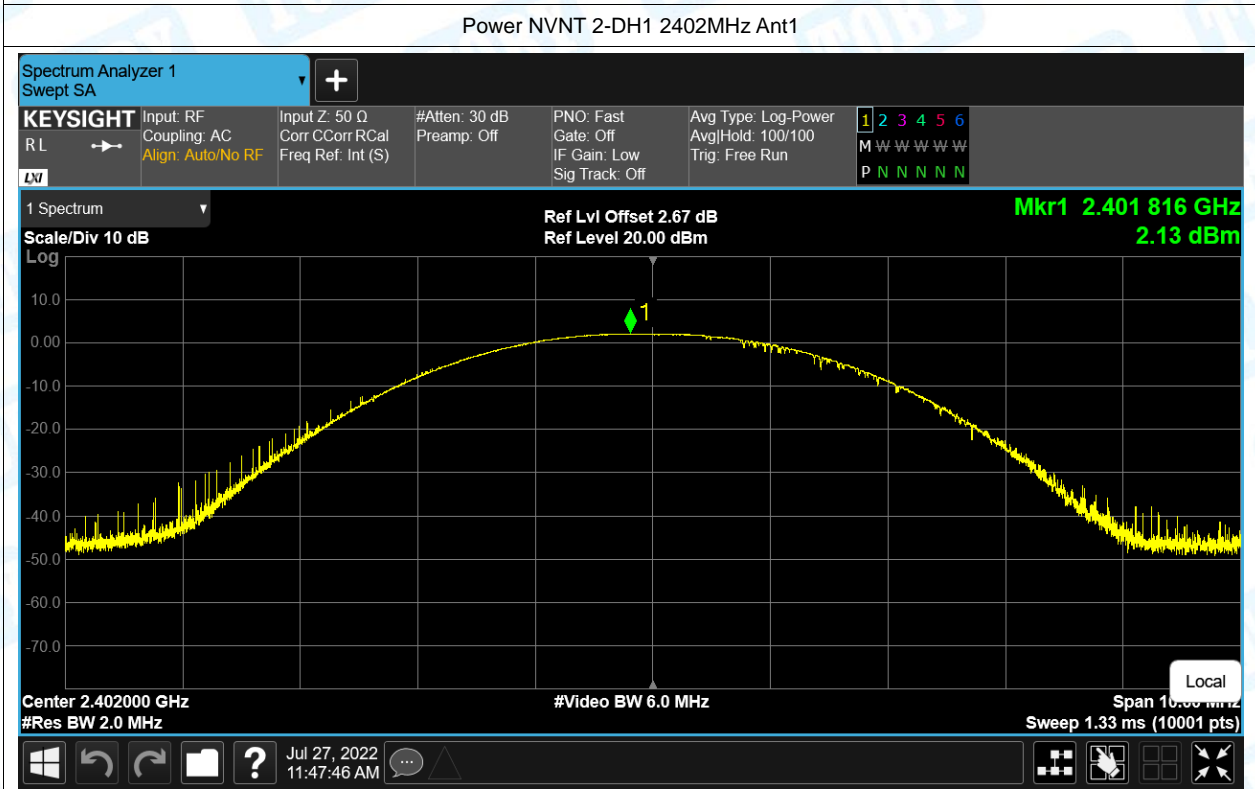
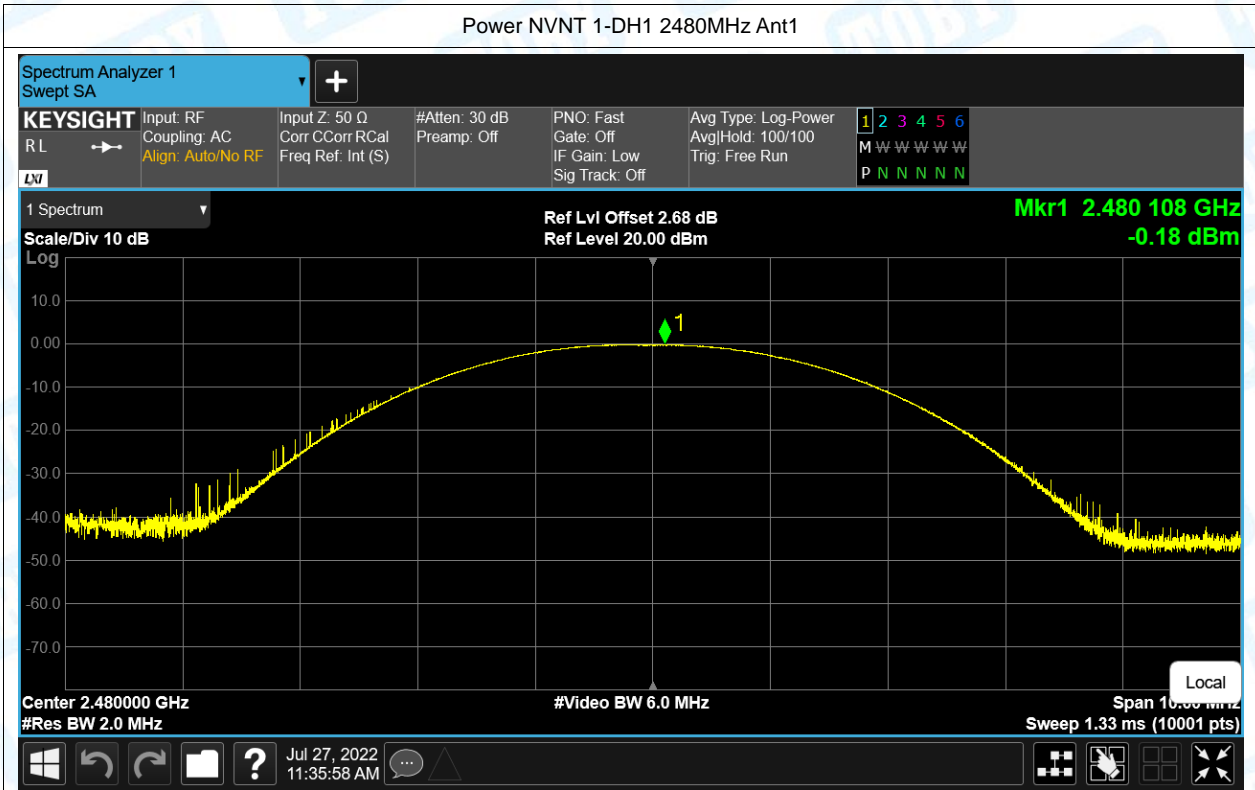
Test Graphs

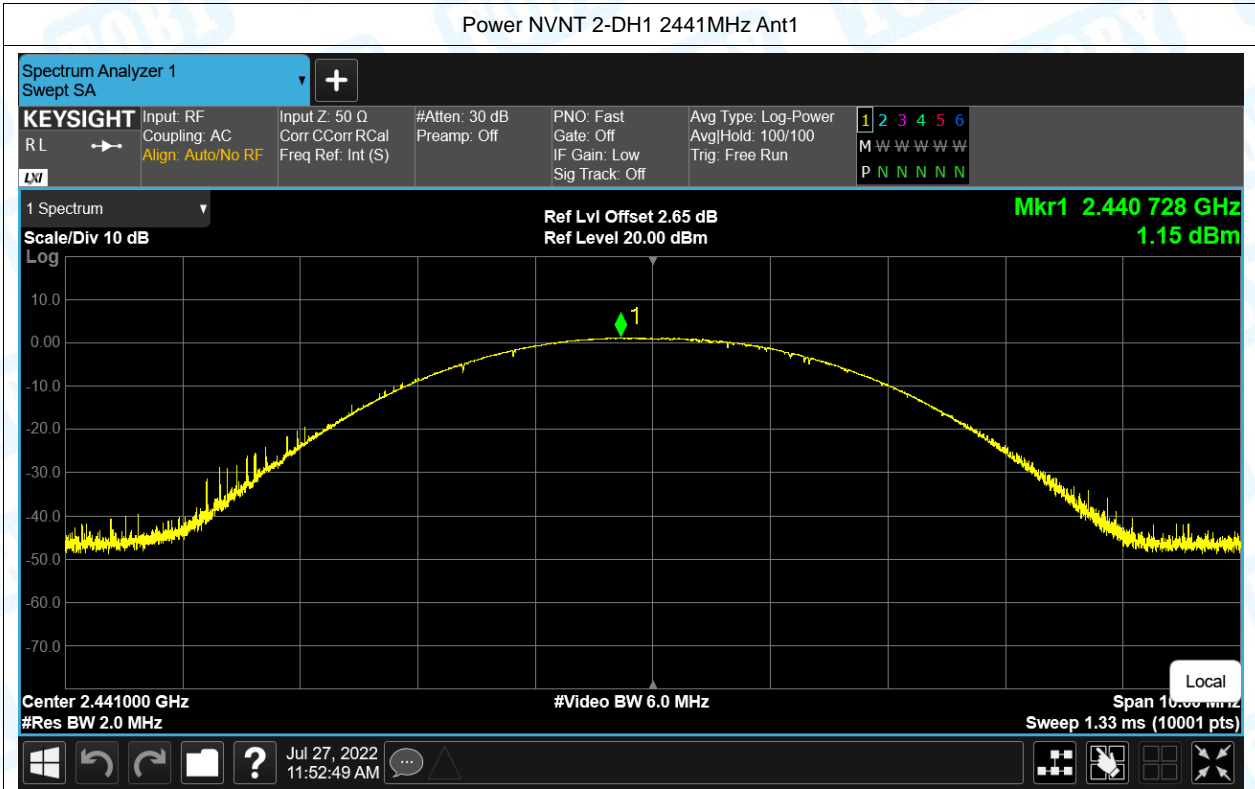
Power NVNT 1-DH1 2402MHz Ant1

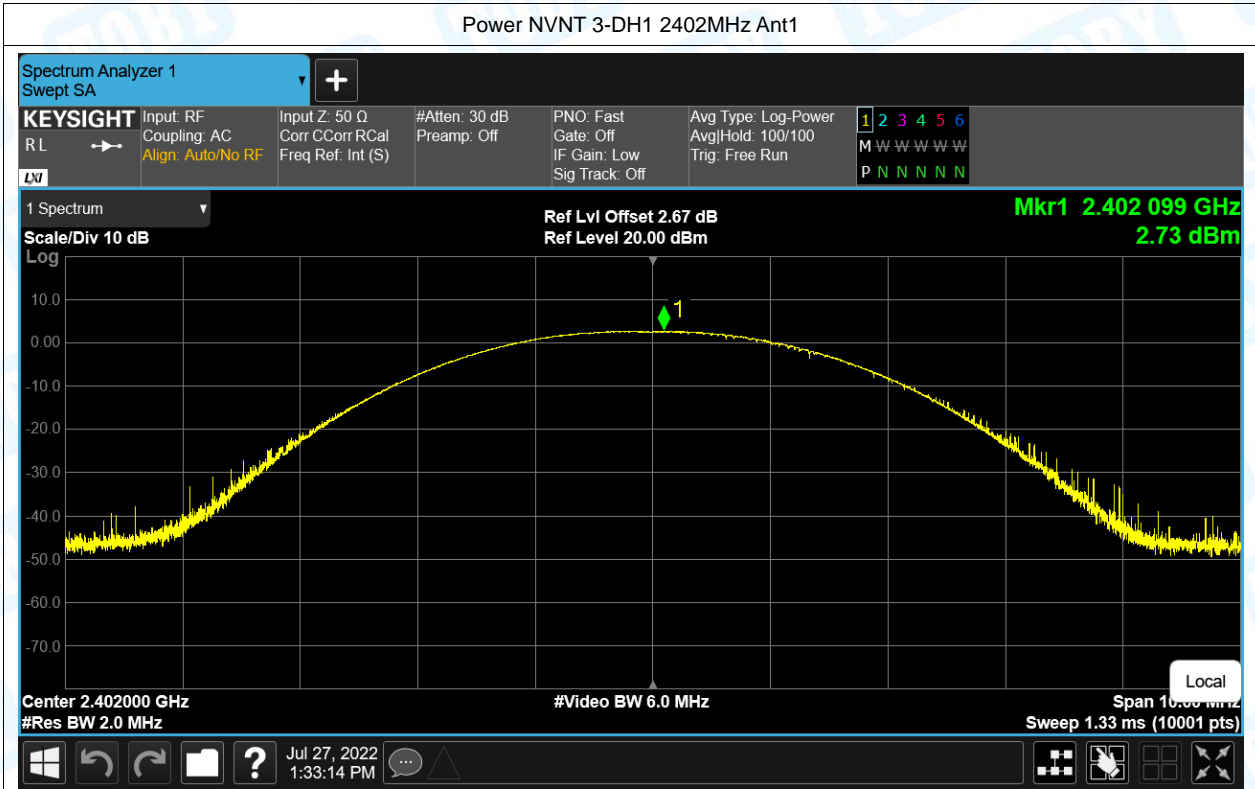


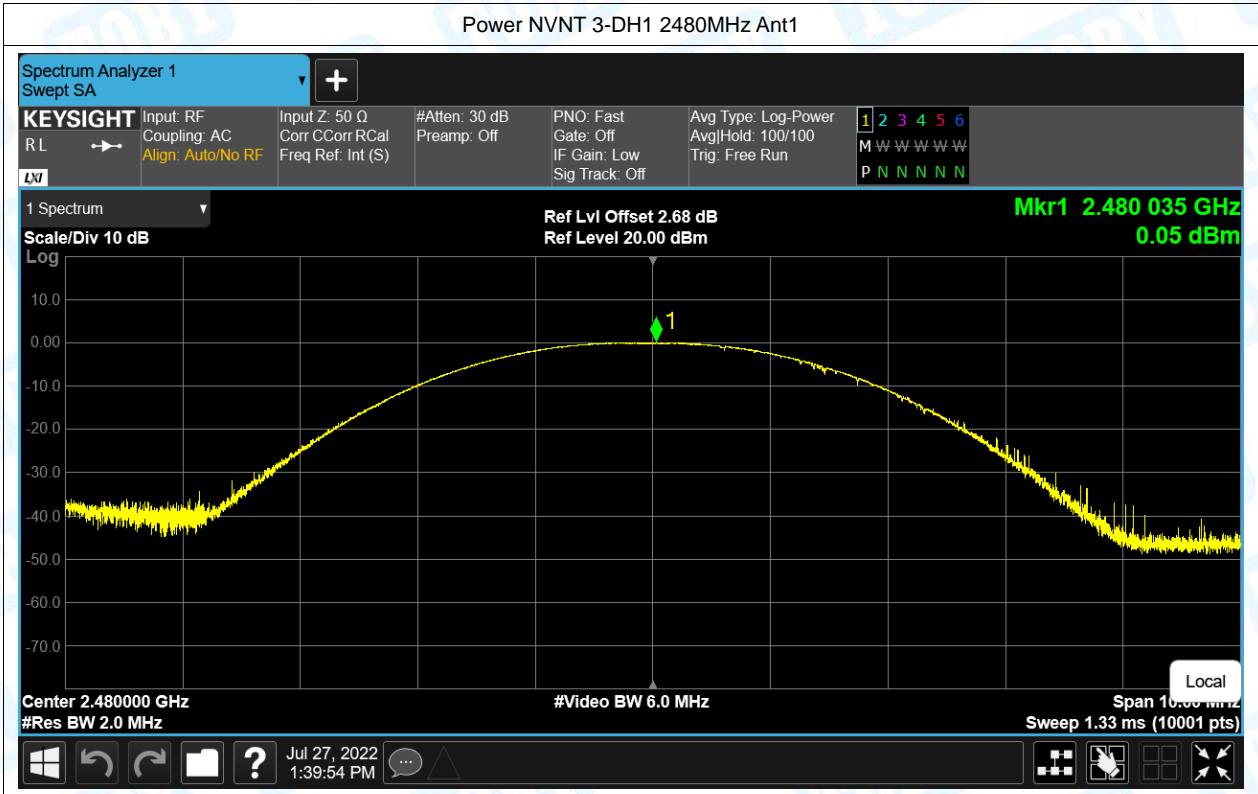
Power NVNT 1-DH1 2441MHz Ant1









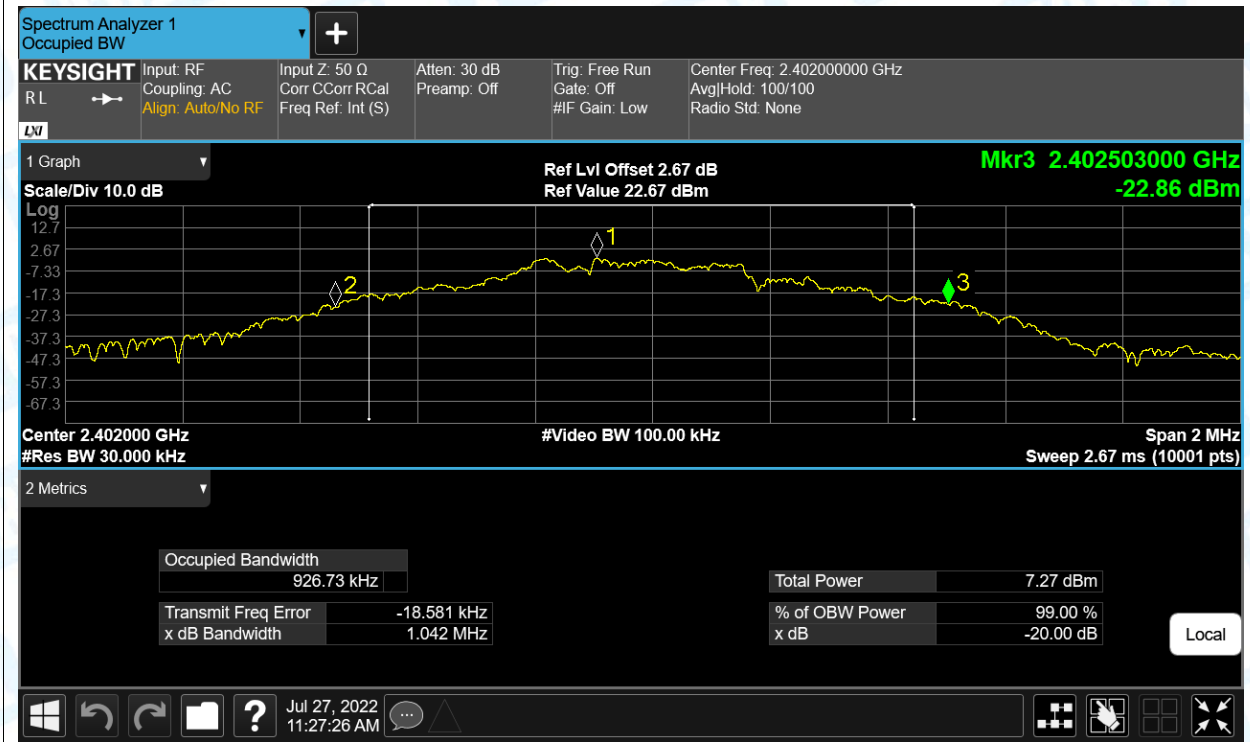


3. -20dB Bandwidth

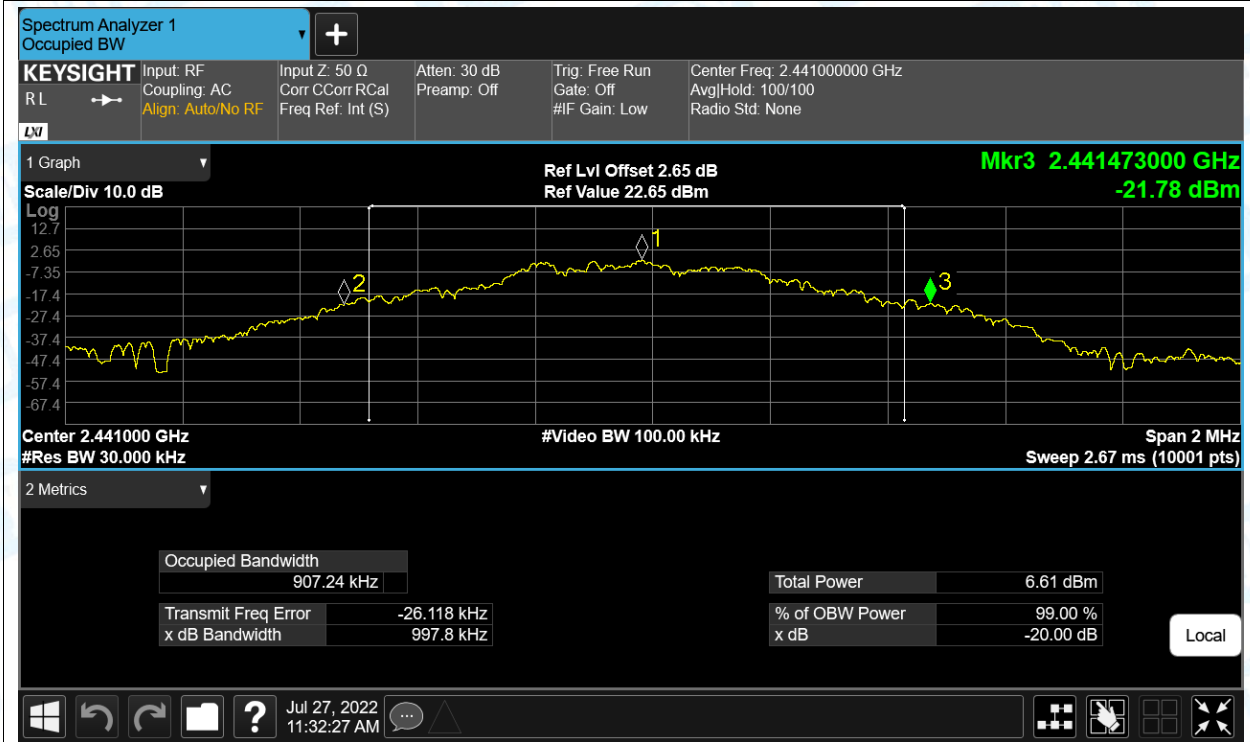
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	2/3 *20dB BW (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	1.04	0.693	Pass
NVNT	1-DH1	2441	Ant1	1	0.667	Pass
NVNT	1-DH1	2480	Ant1	0.98	0.653	Pass
NVNT	2-DH1	2402	Ant1	1.26	0.840	Pass
NVNT	2-DH1	2441	Ant1	1.27	0.847	Pass
NVNT	2-DH1	2480	Ant1	1.26	0.840	Pass
NVNT	3-DH1	2402	Ant1	1.29	0.860	Pass
NVNT	3-DH1	2441	Ant1	1.27	0.847	Pass
NVNT	3-DH1	2480	Ant1	1.26	0.840	Pass

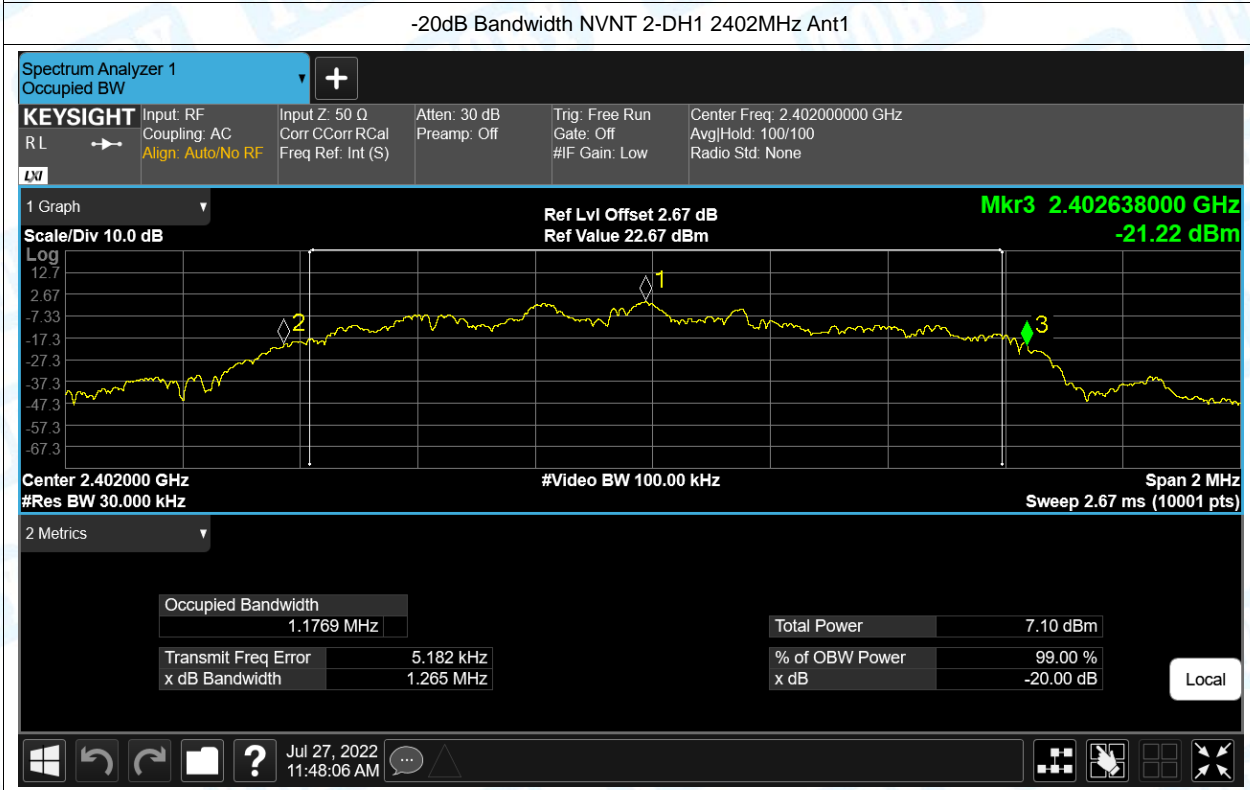
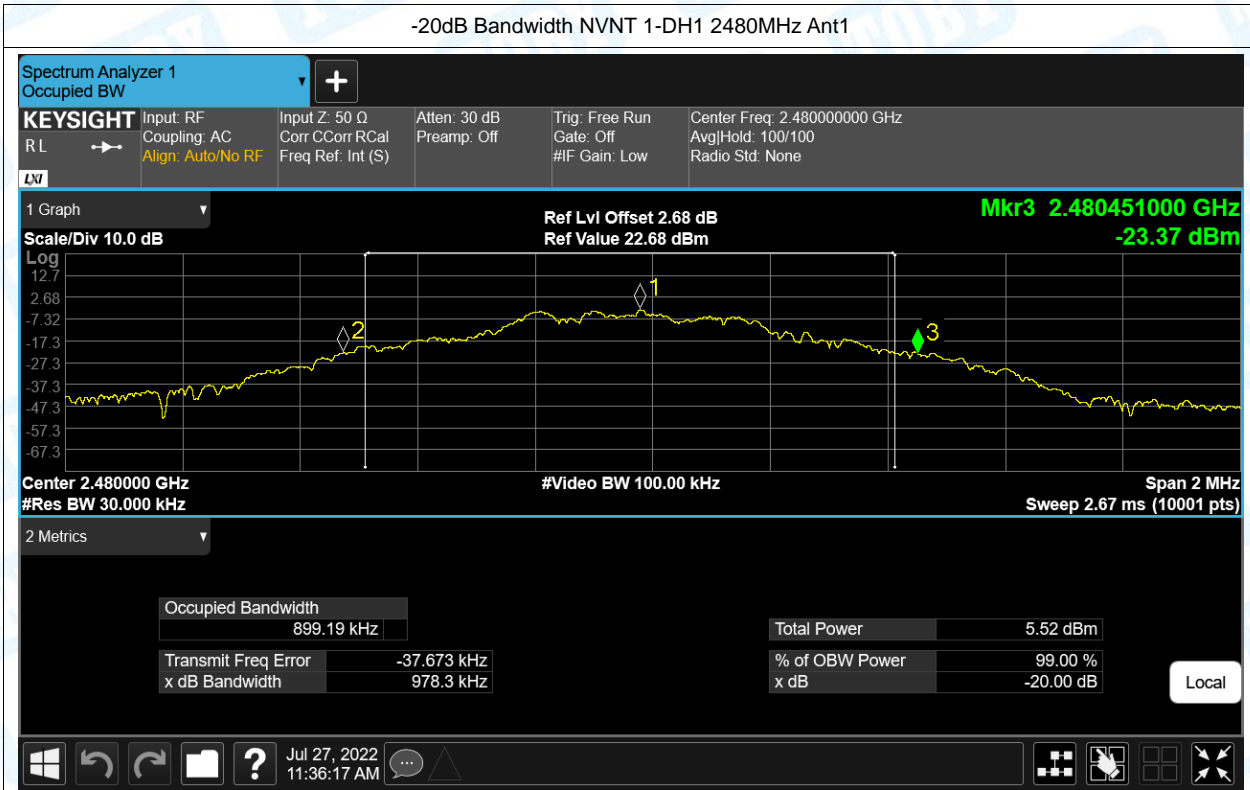
Test Graphs

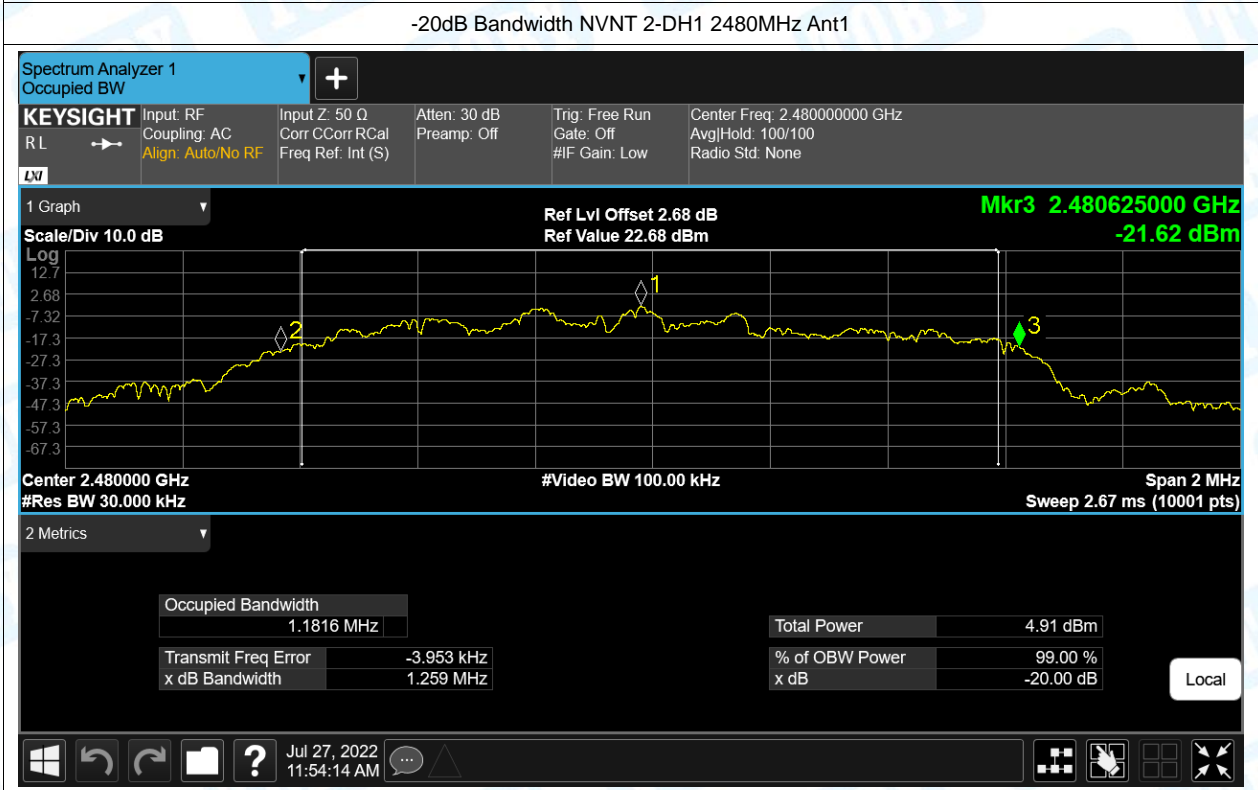
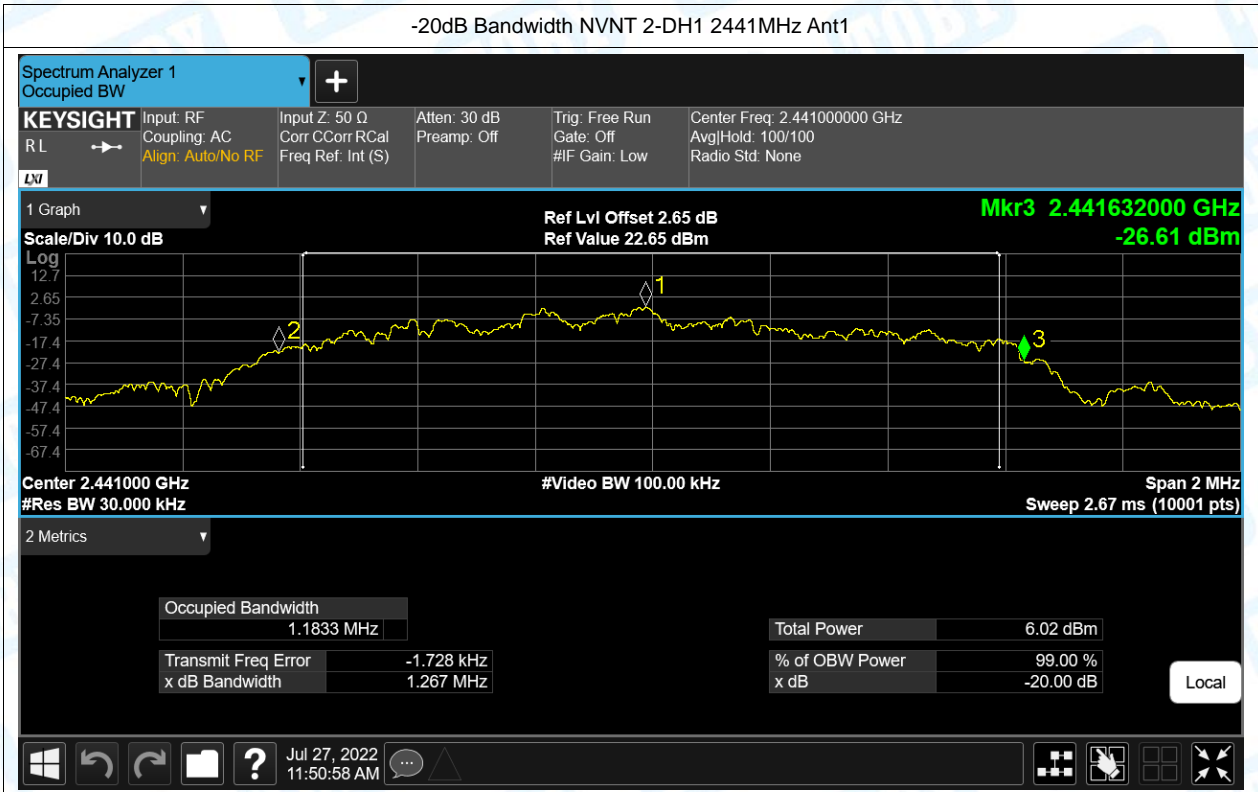
-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1

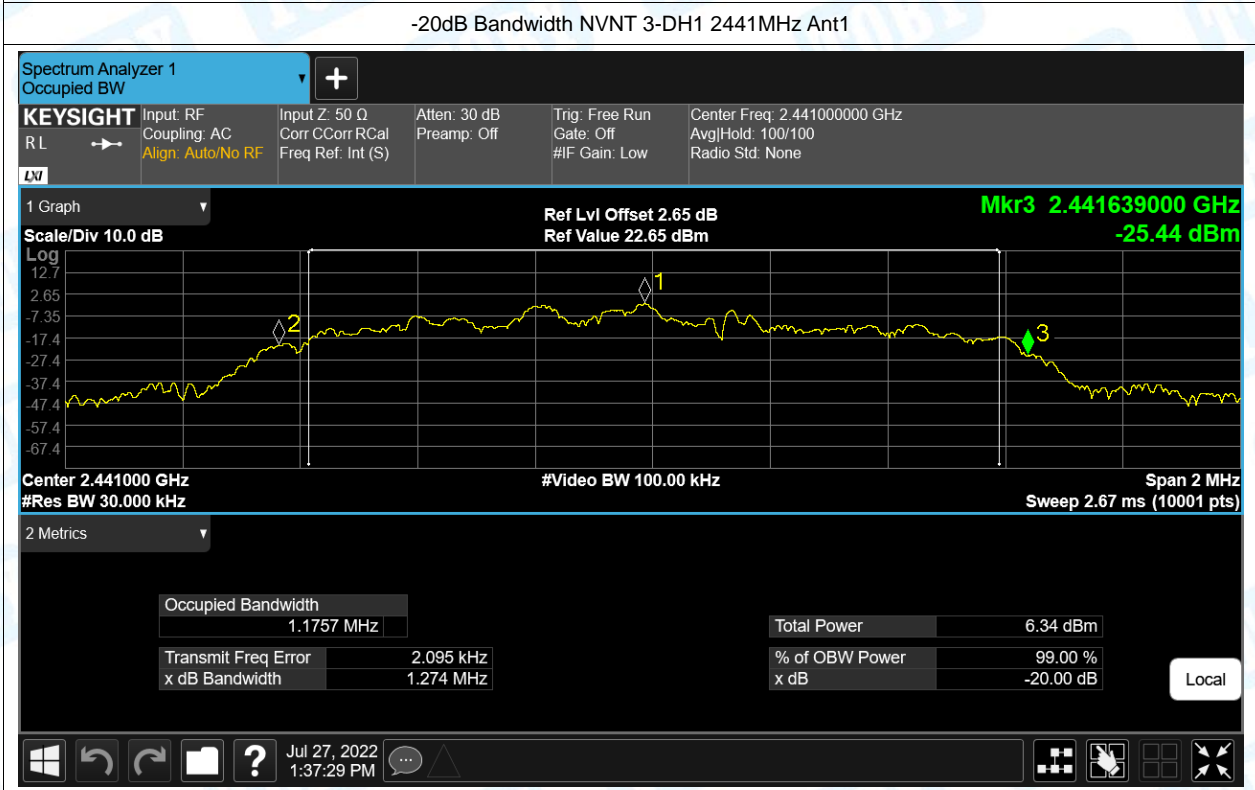
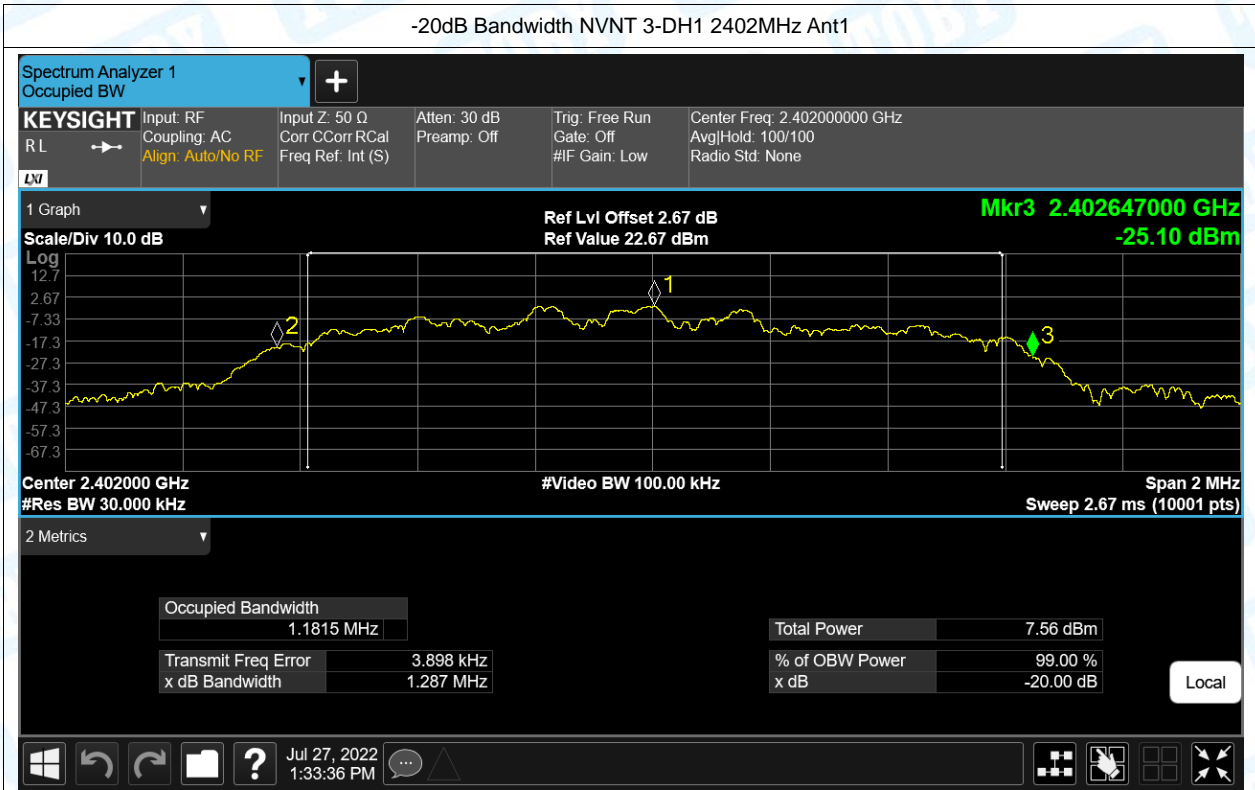


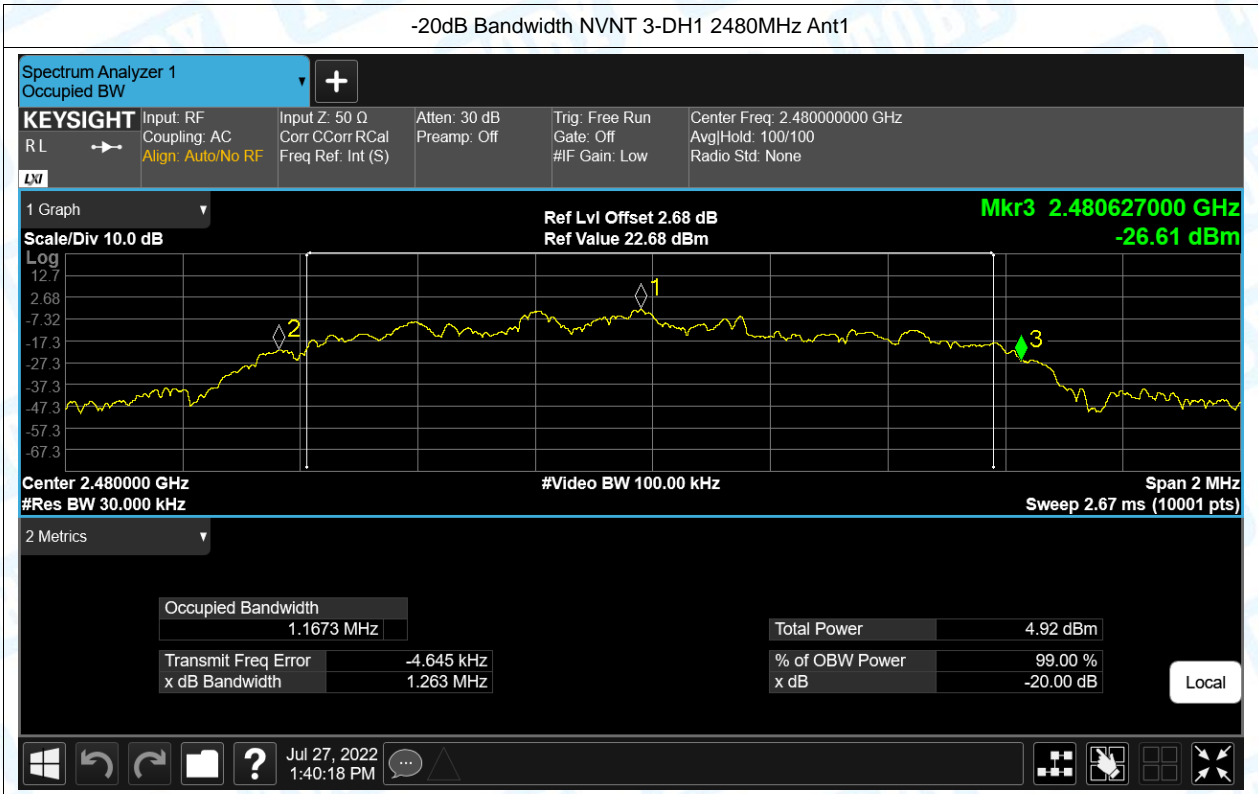
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1









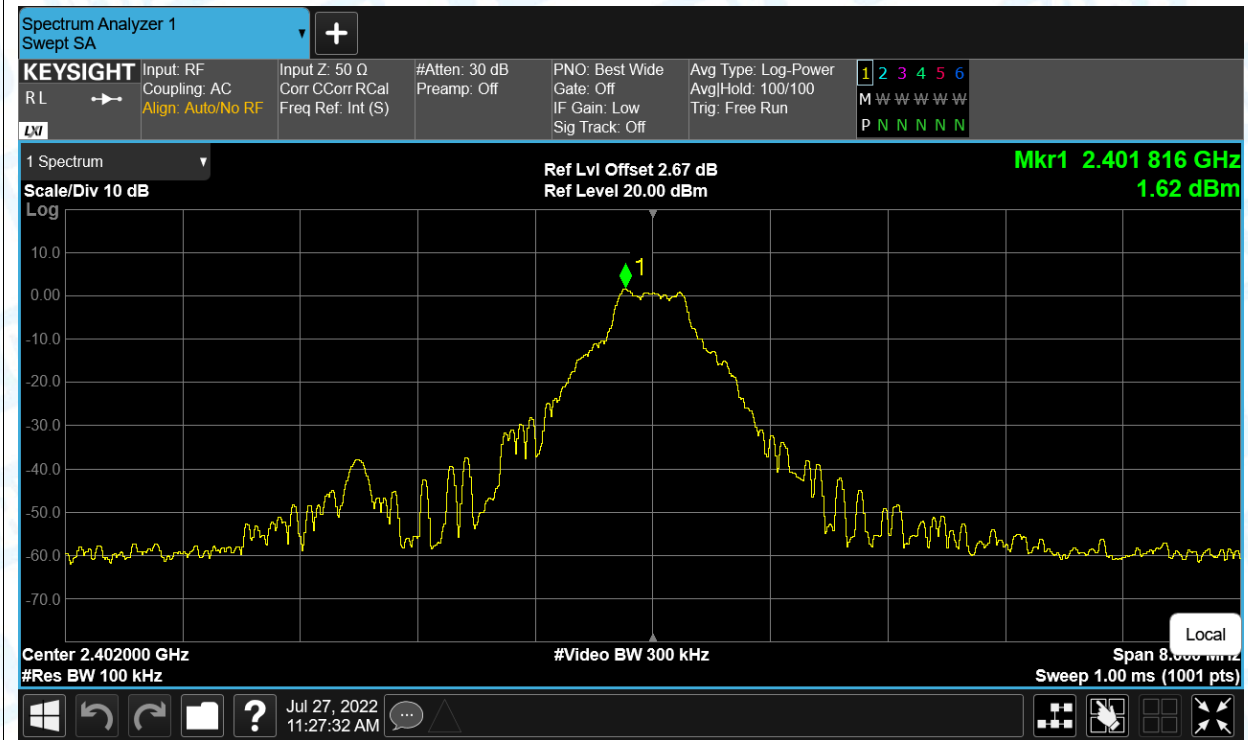


5. Band Edge

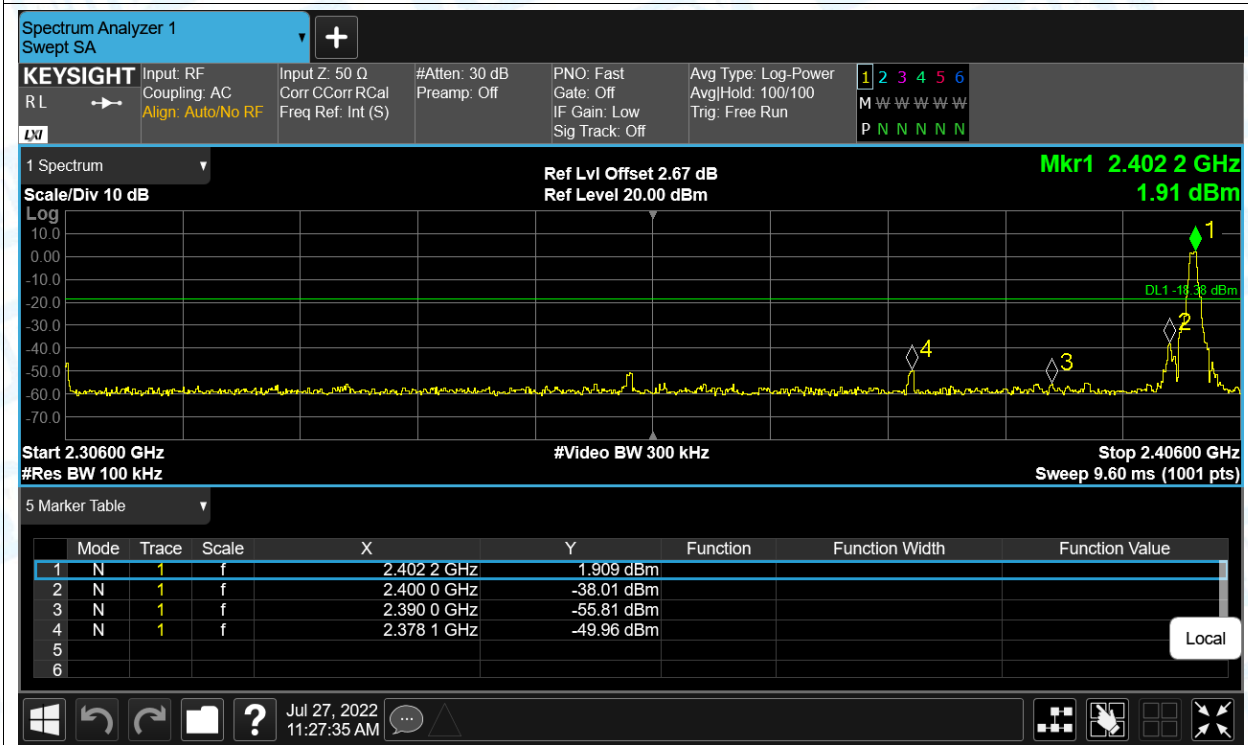
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-51.58	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-53.88	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-52.28	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-53.87	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-52.93	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-54.29	-20	Pass

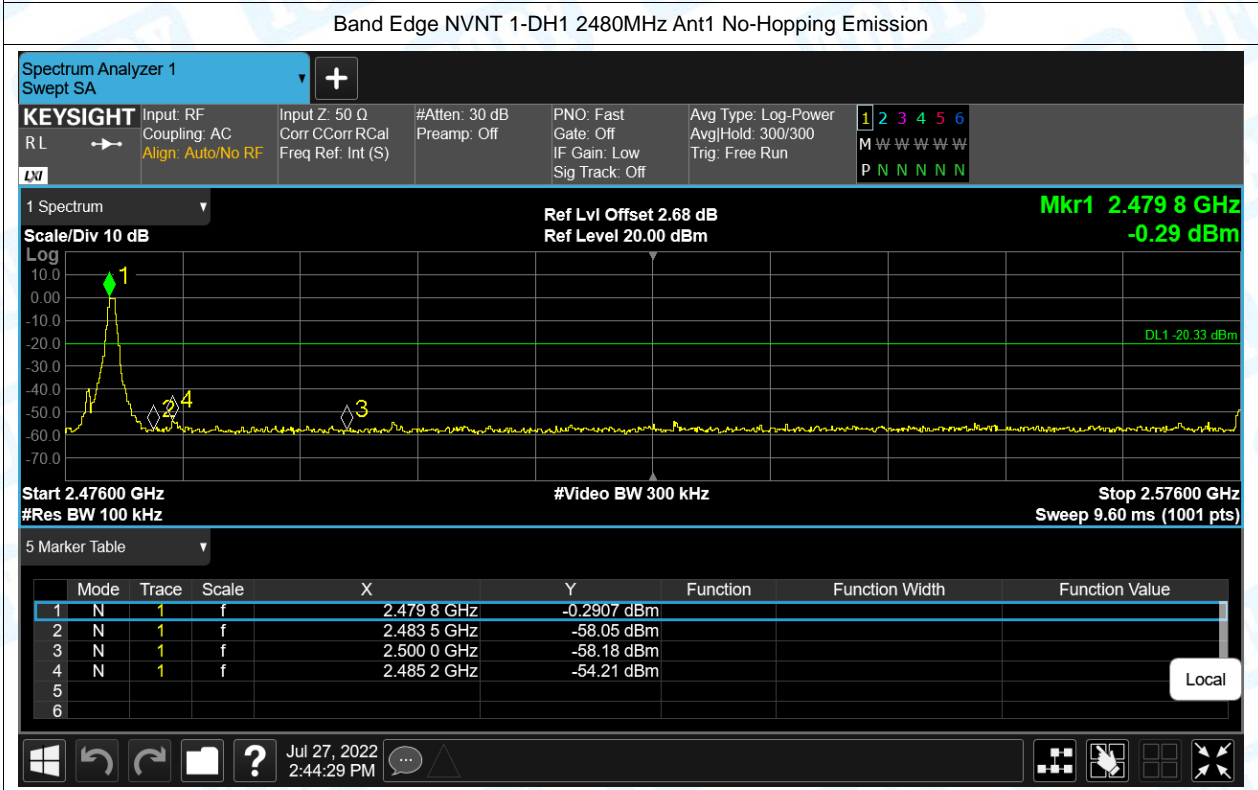
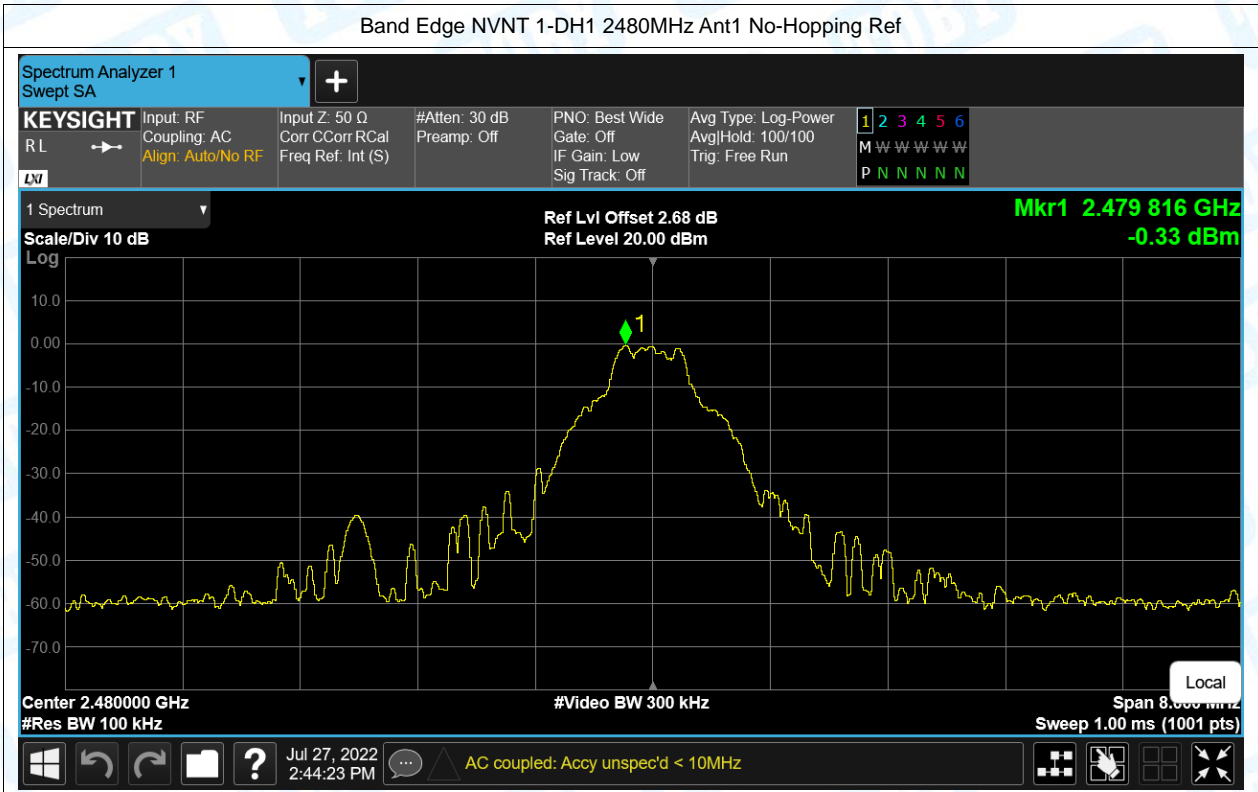
Test Graphs

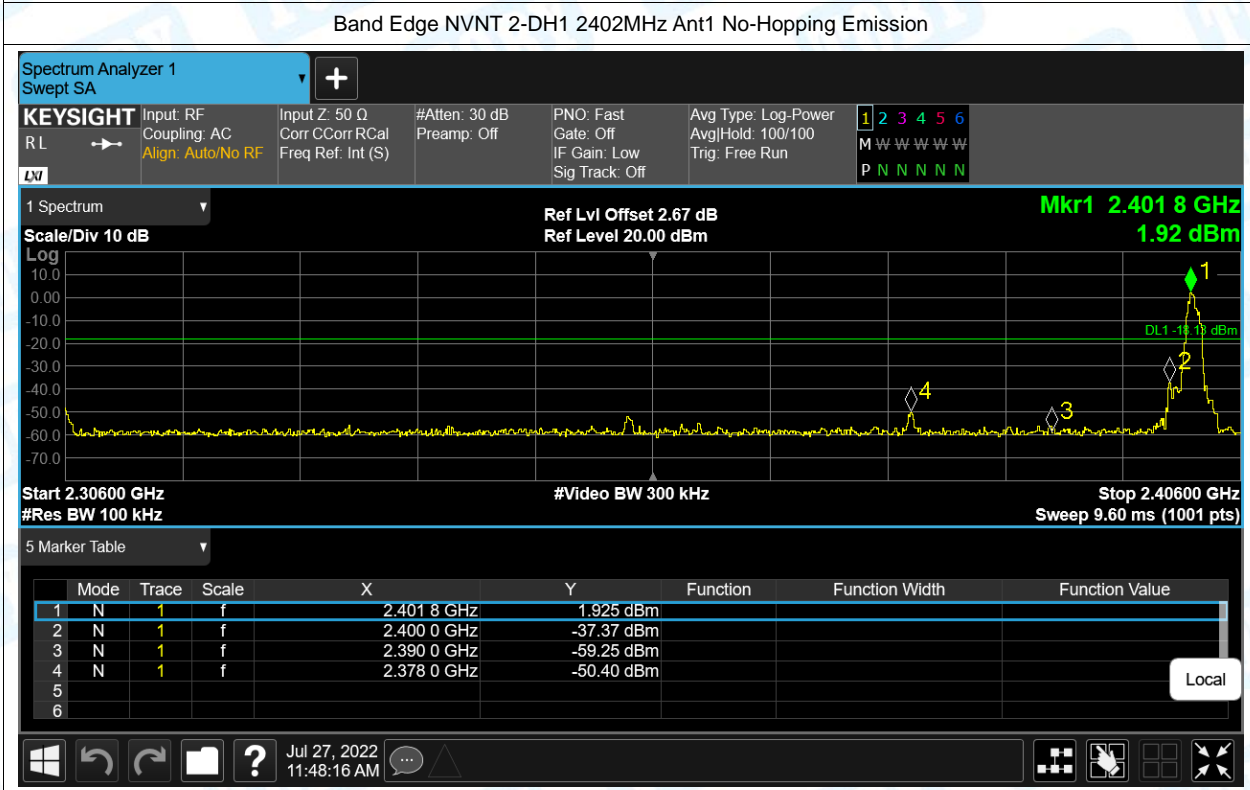
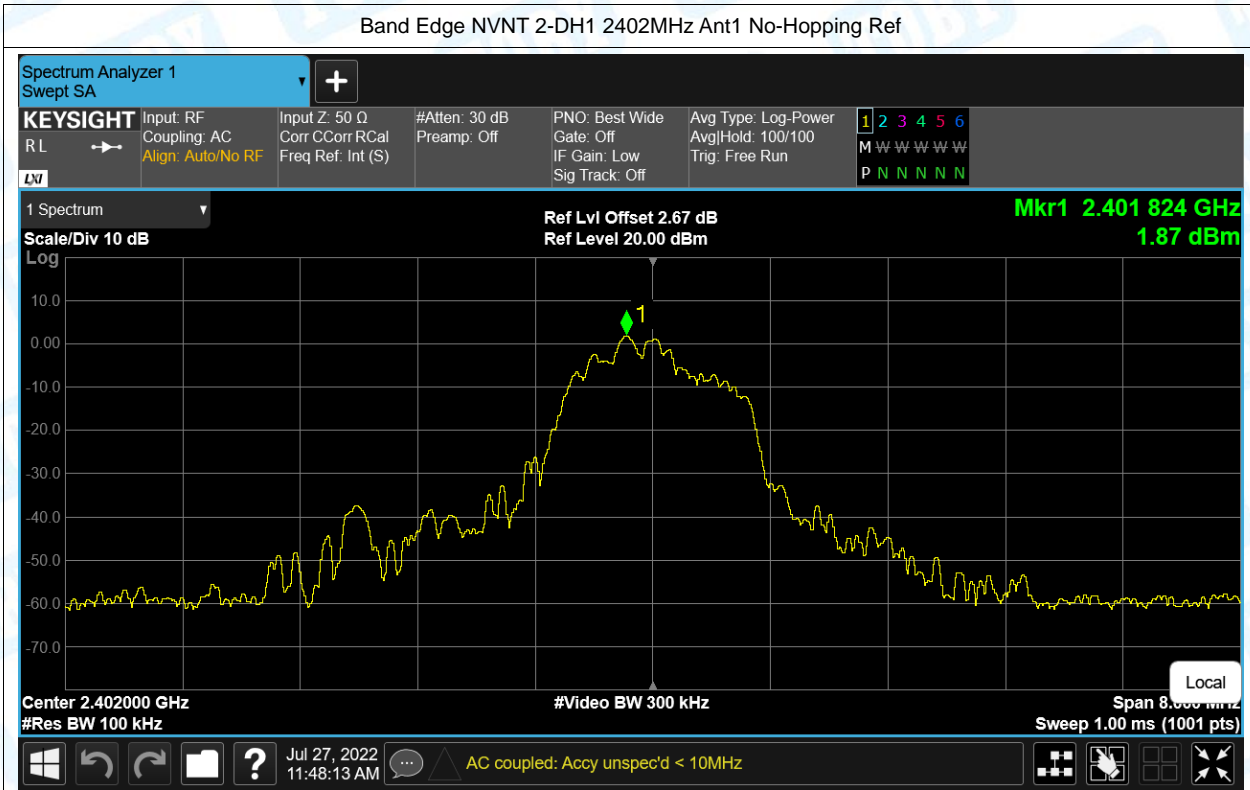
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref

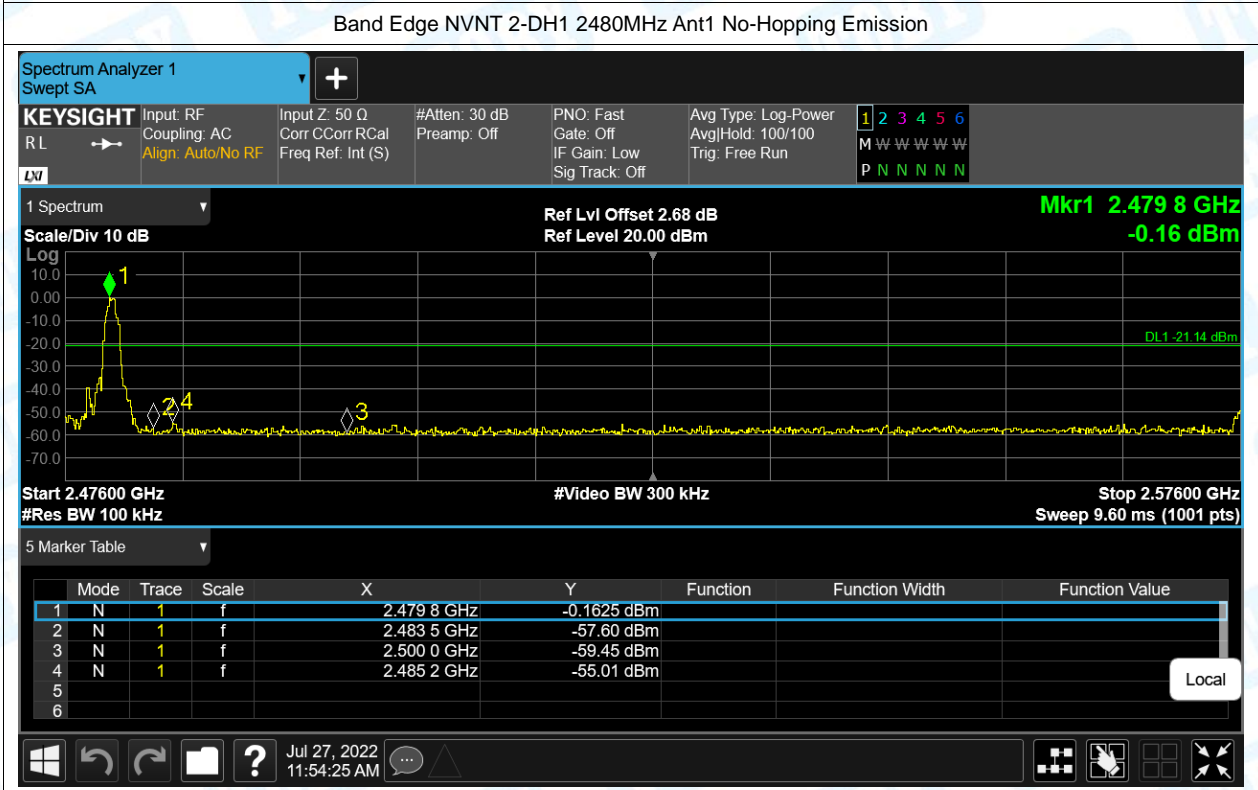
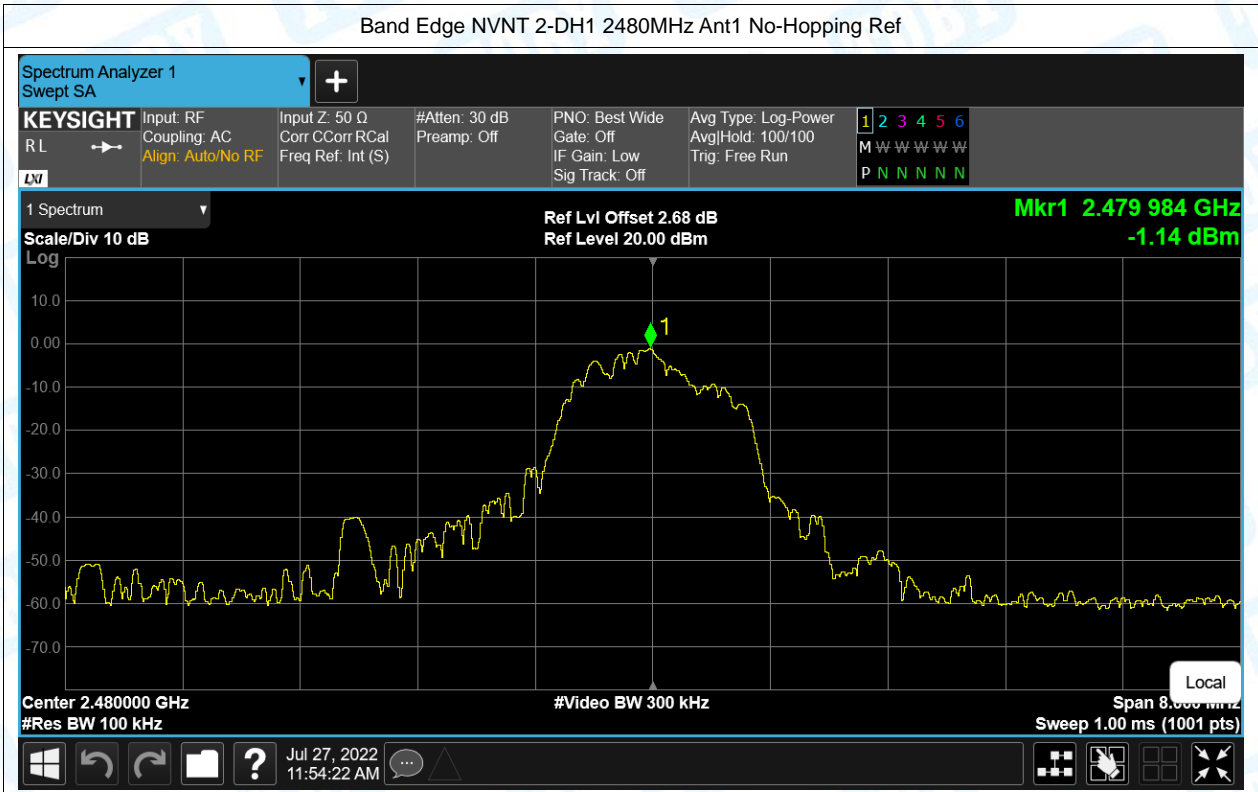


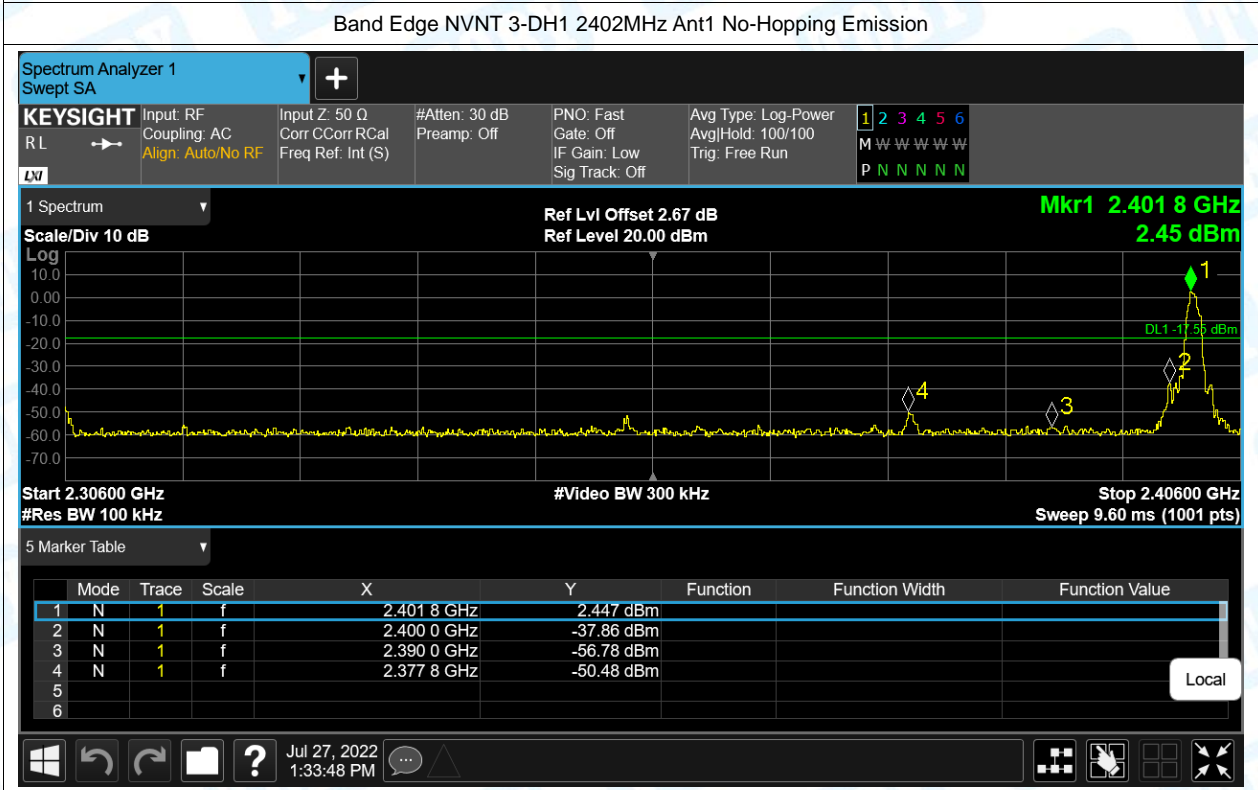
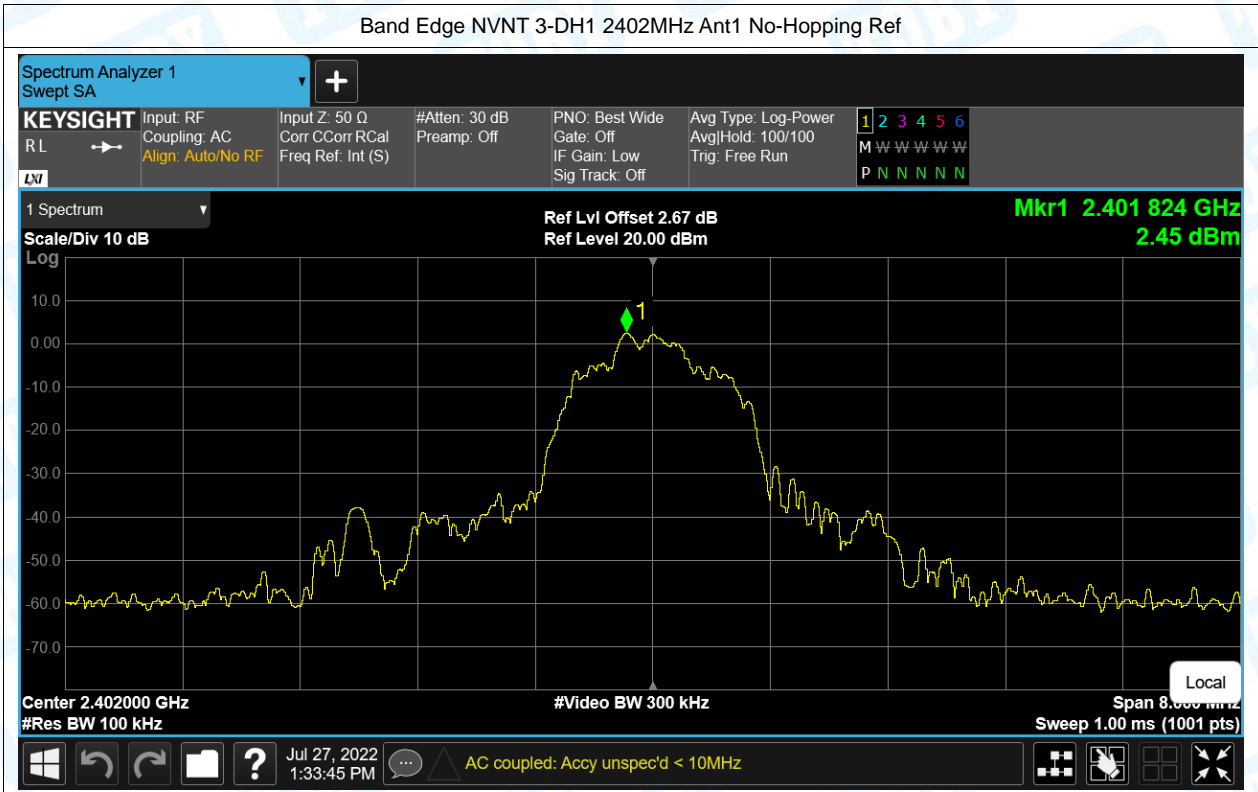
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission

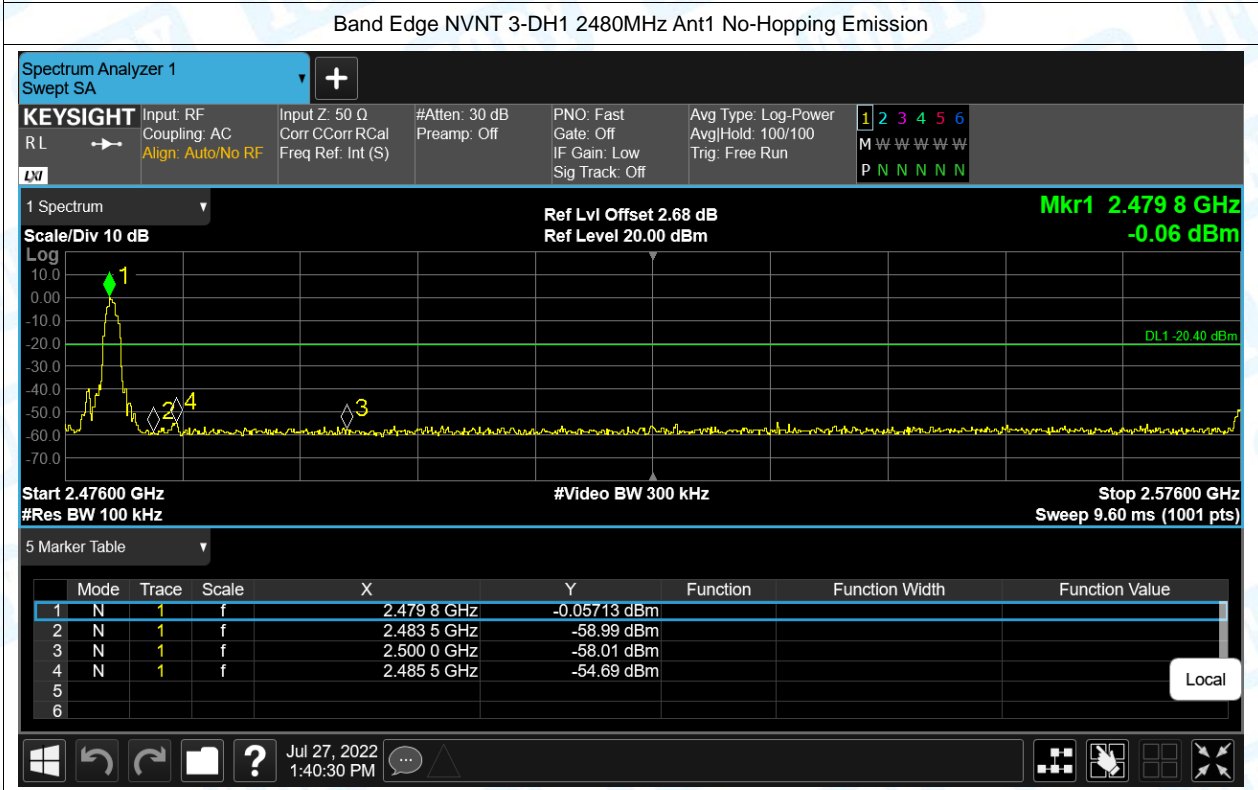
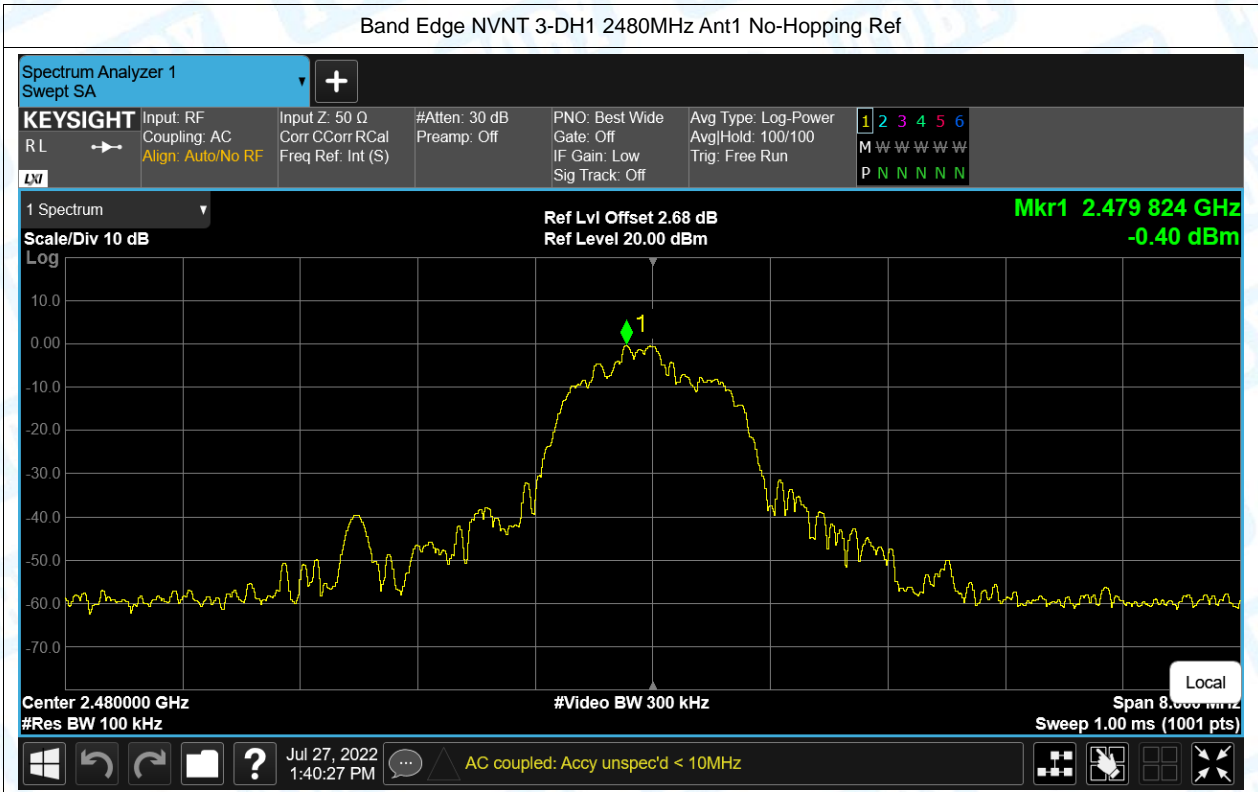










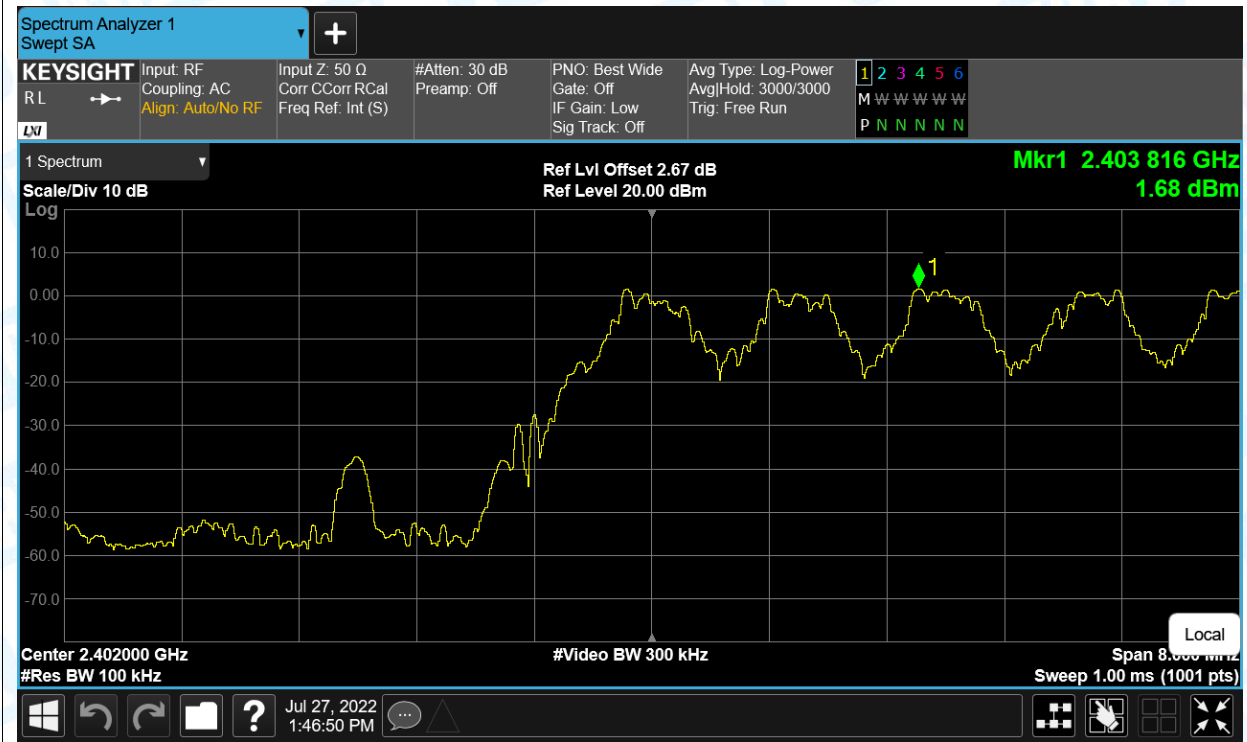


6. Band Edge(Hopping)

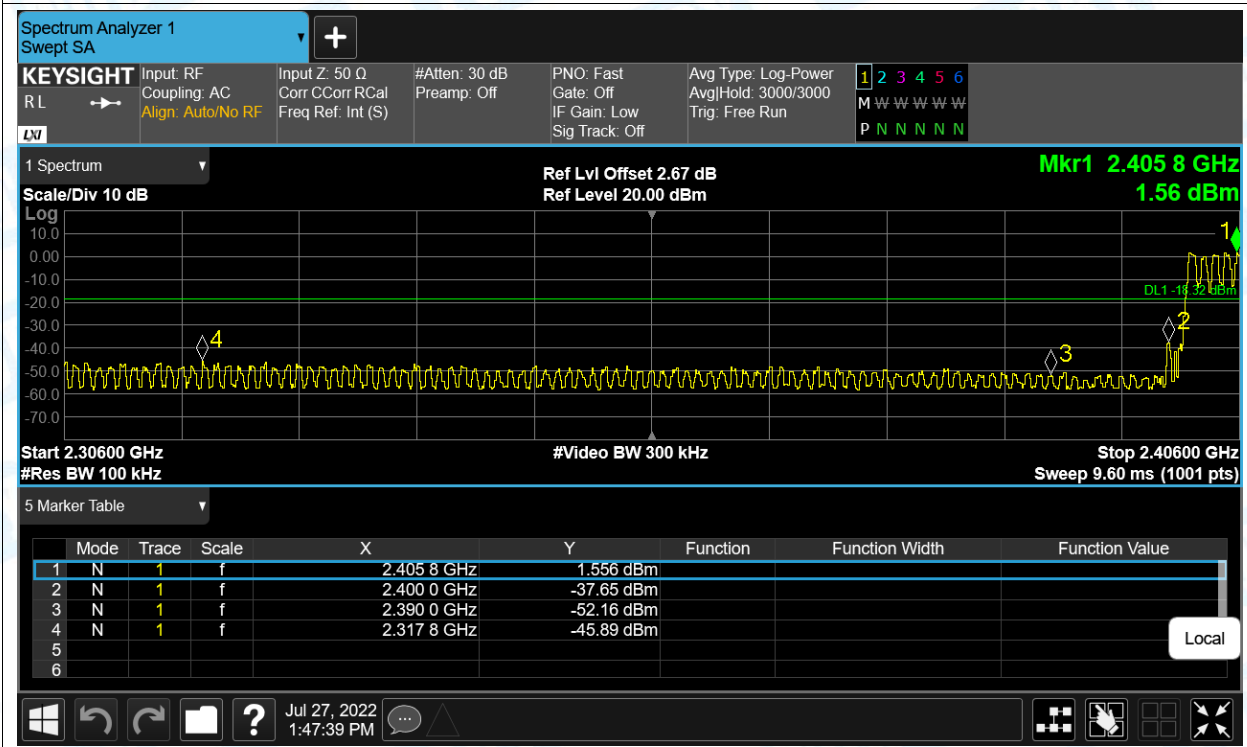
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-47.58	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-45.62	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-49.09	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-46.79	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-47.22	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-46.19	-20	Pass

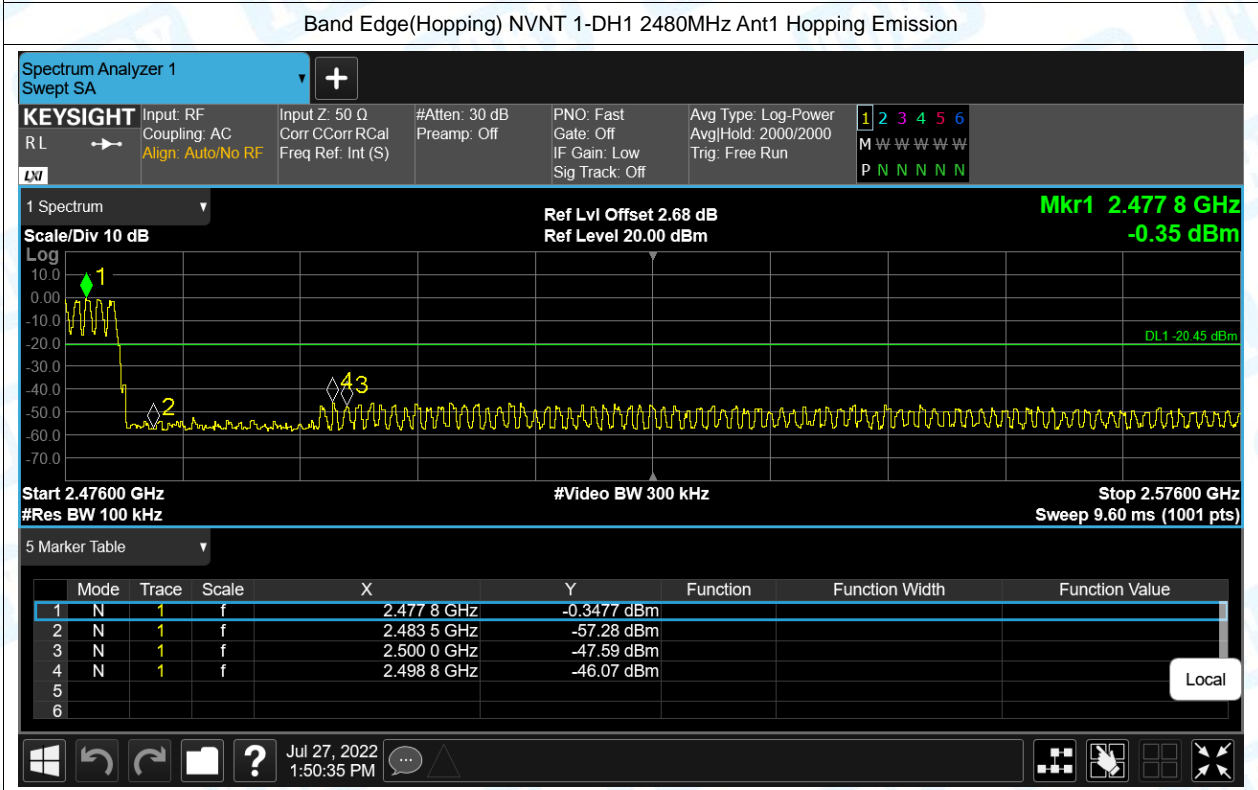
Test Graphs

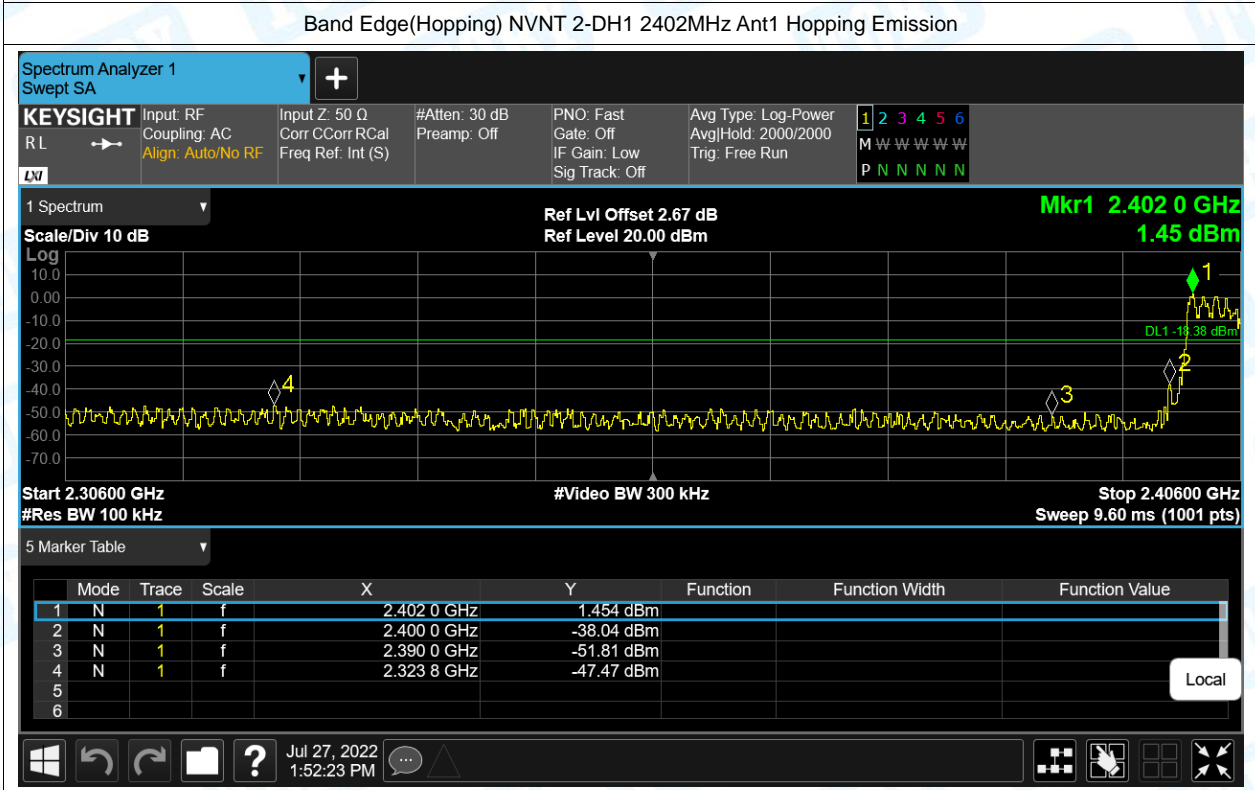
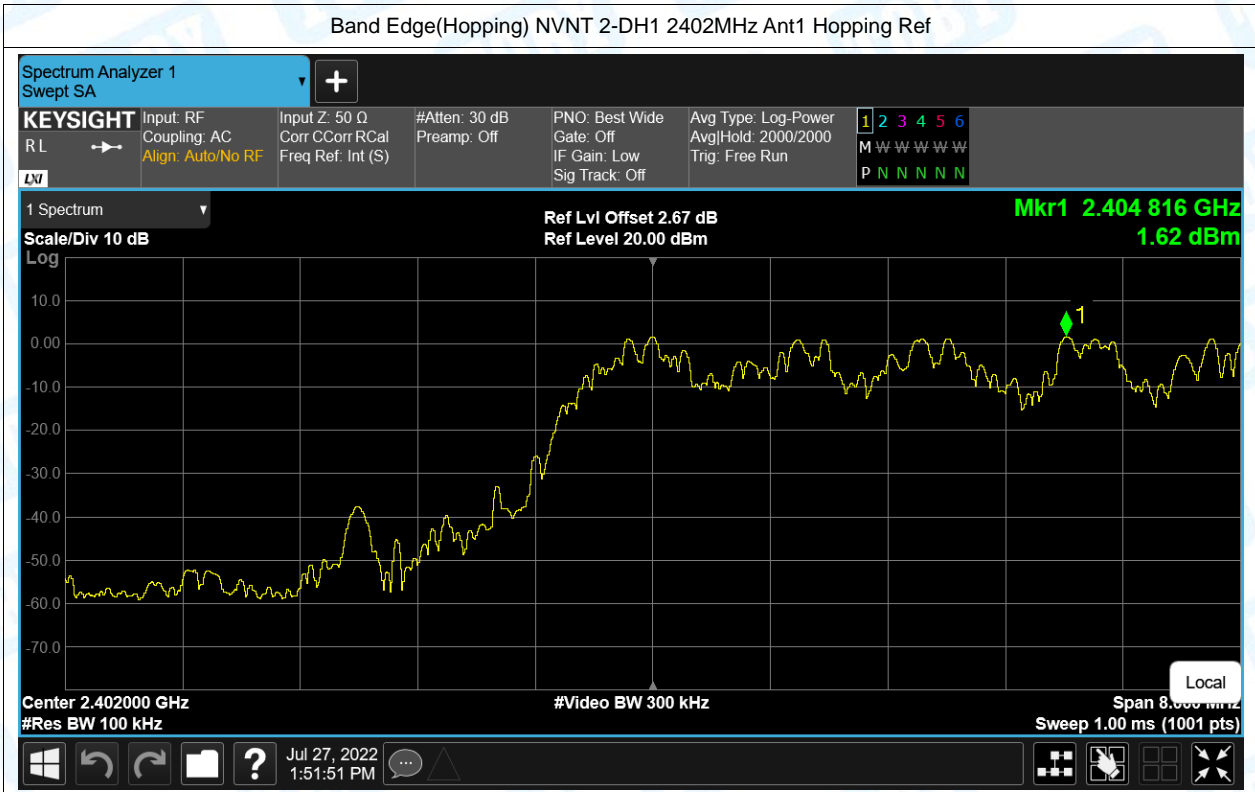
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Ref

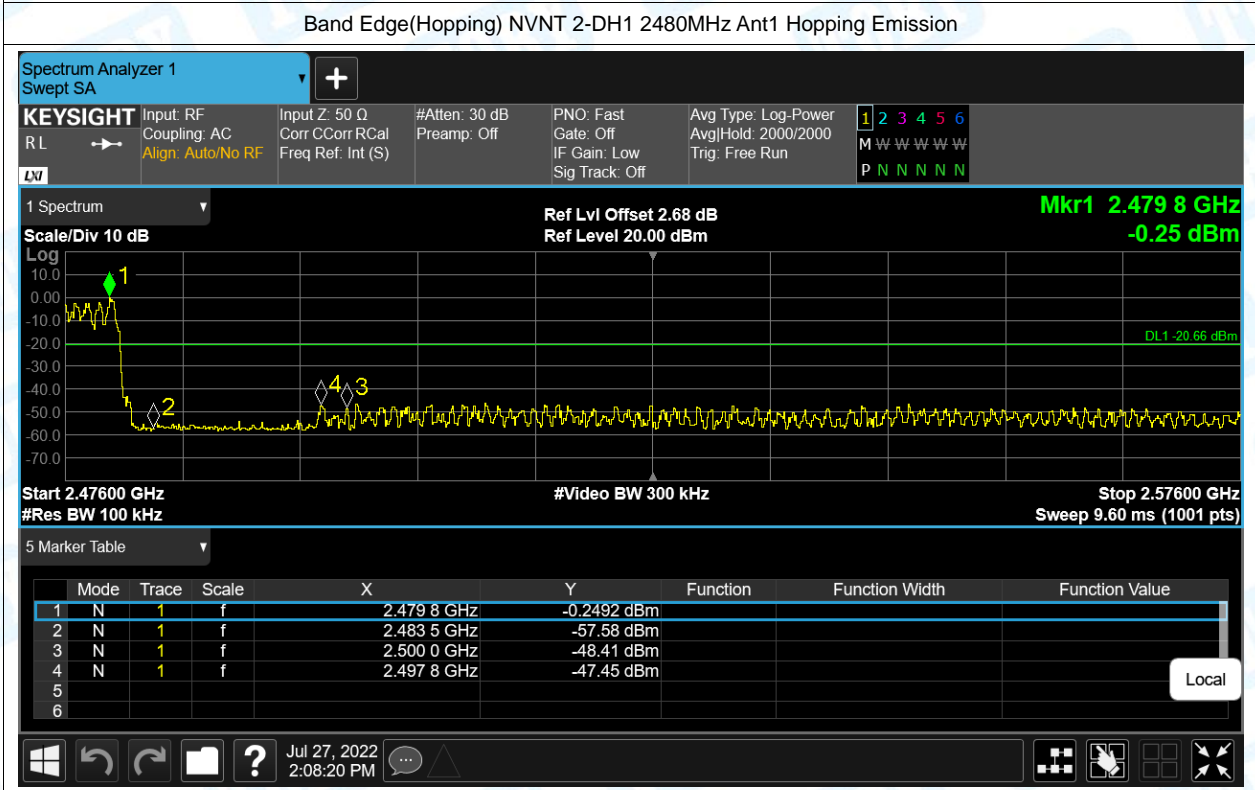
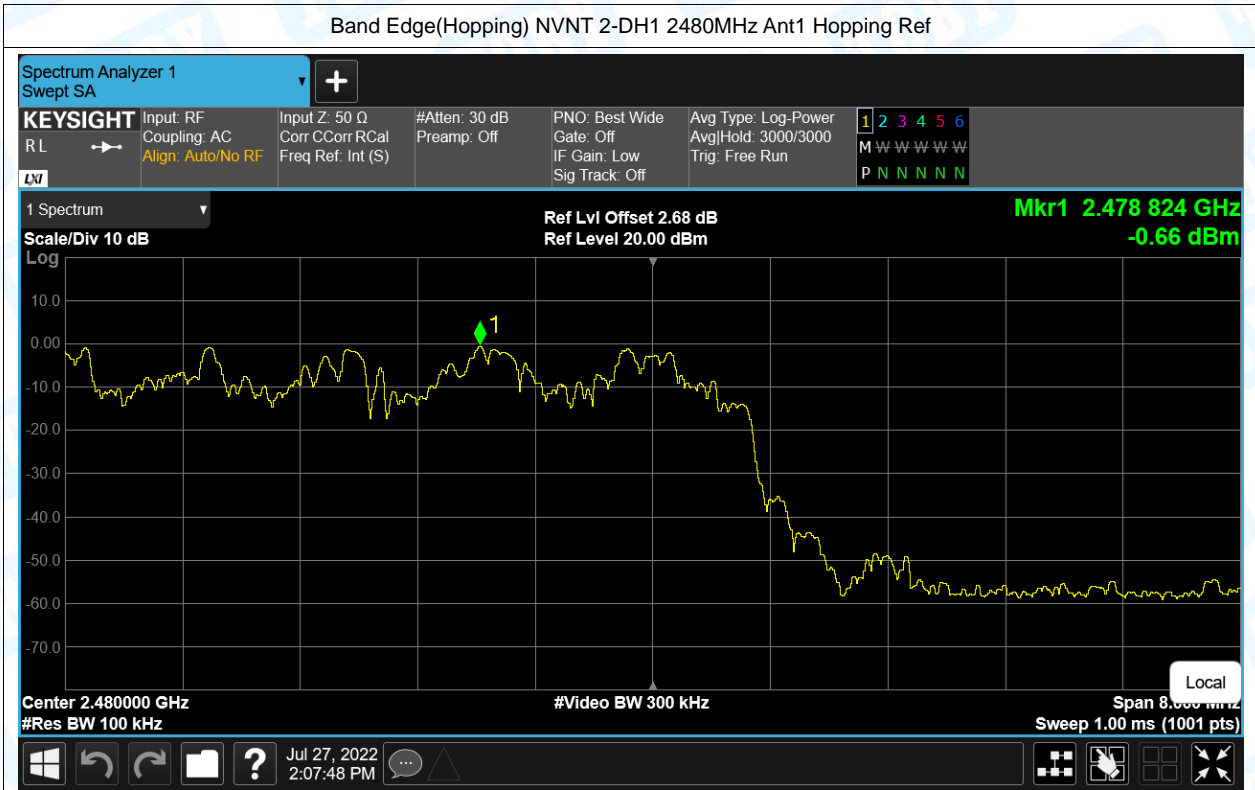


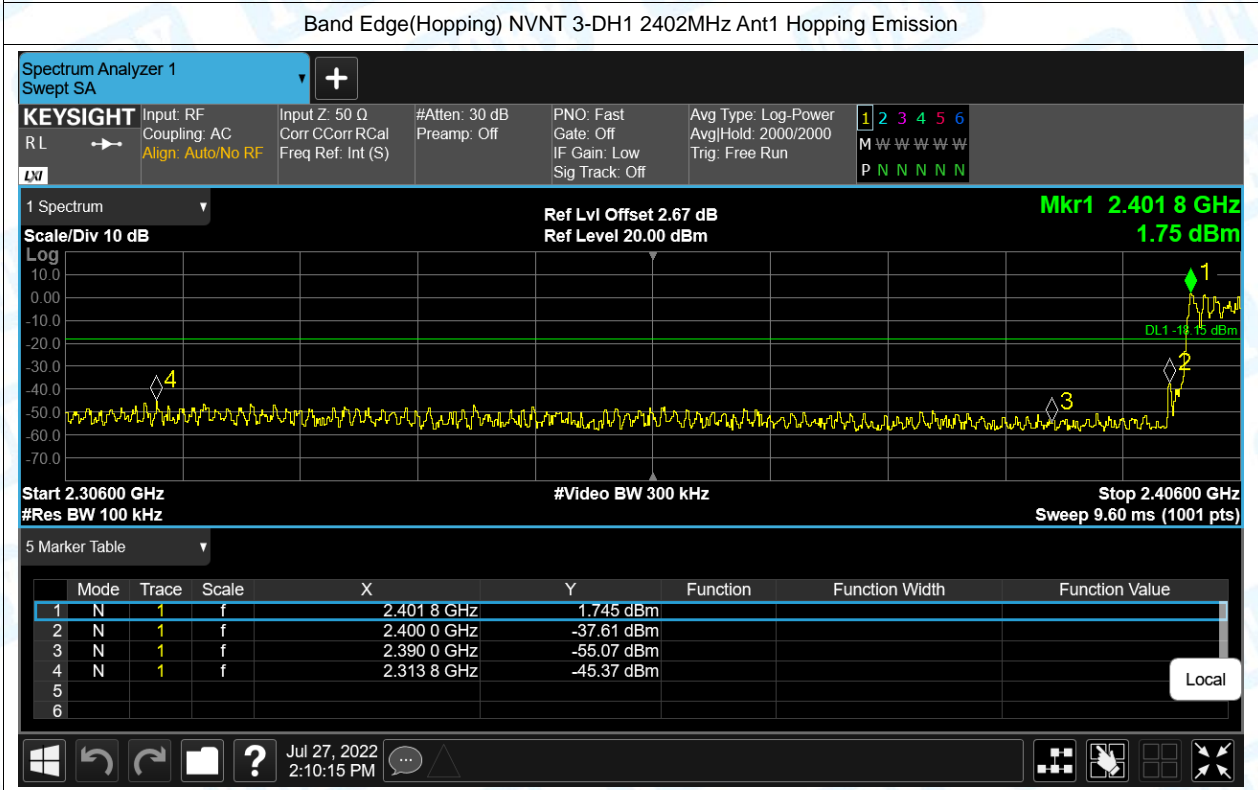
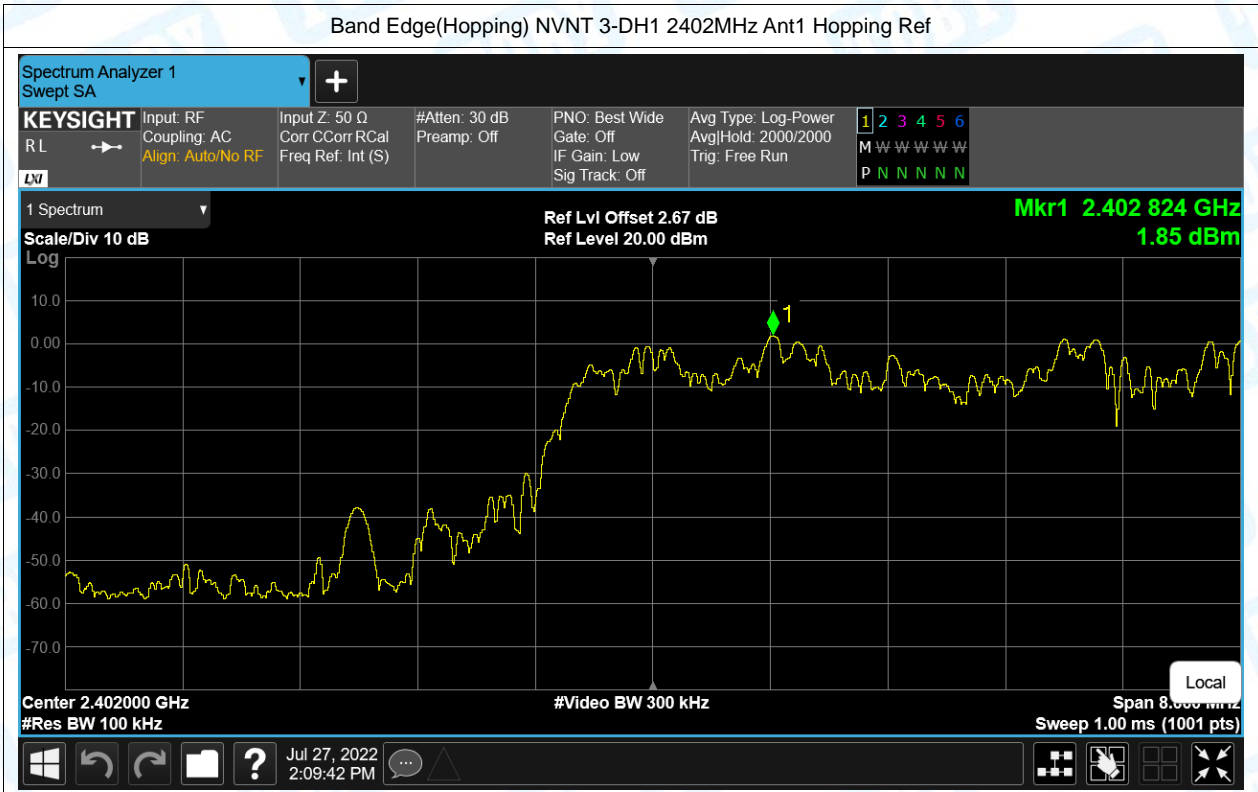
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission

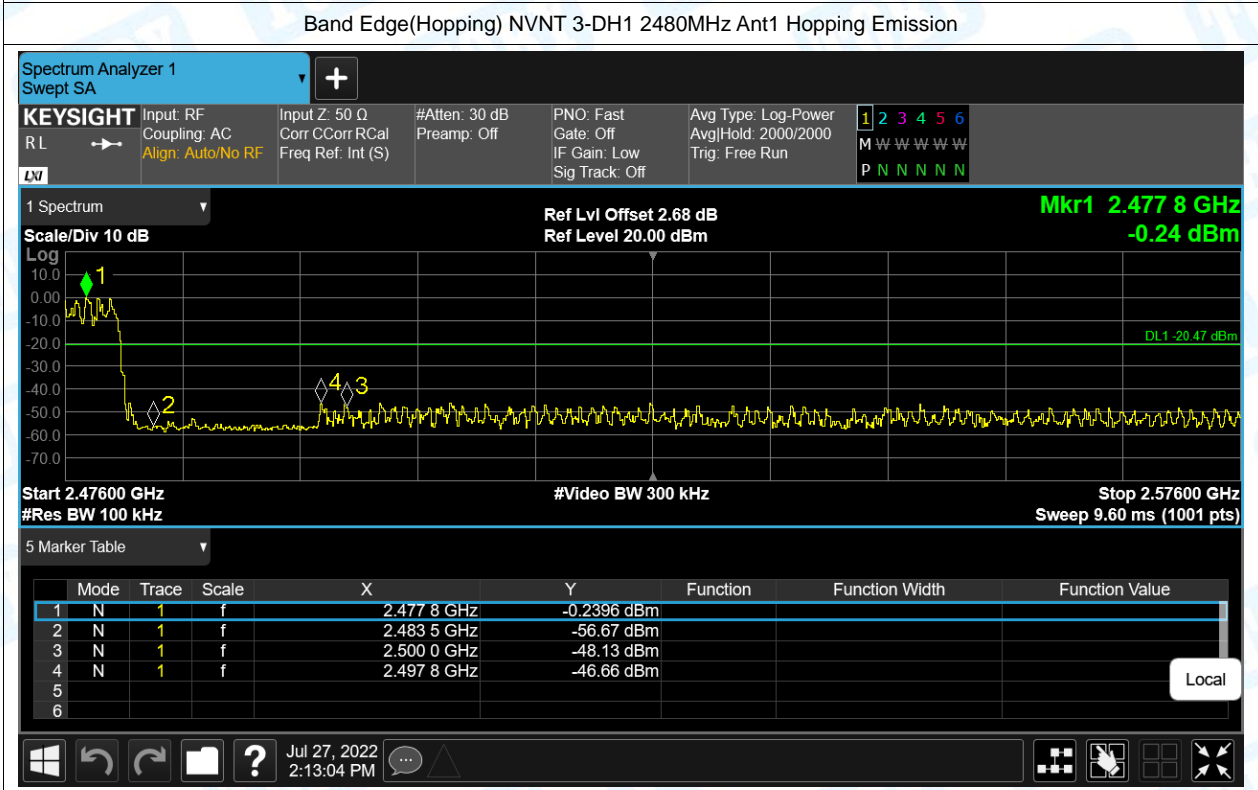
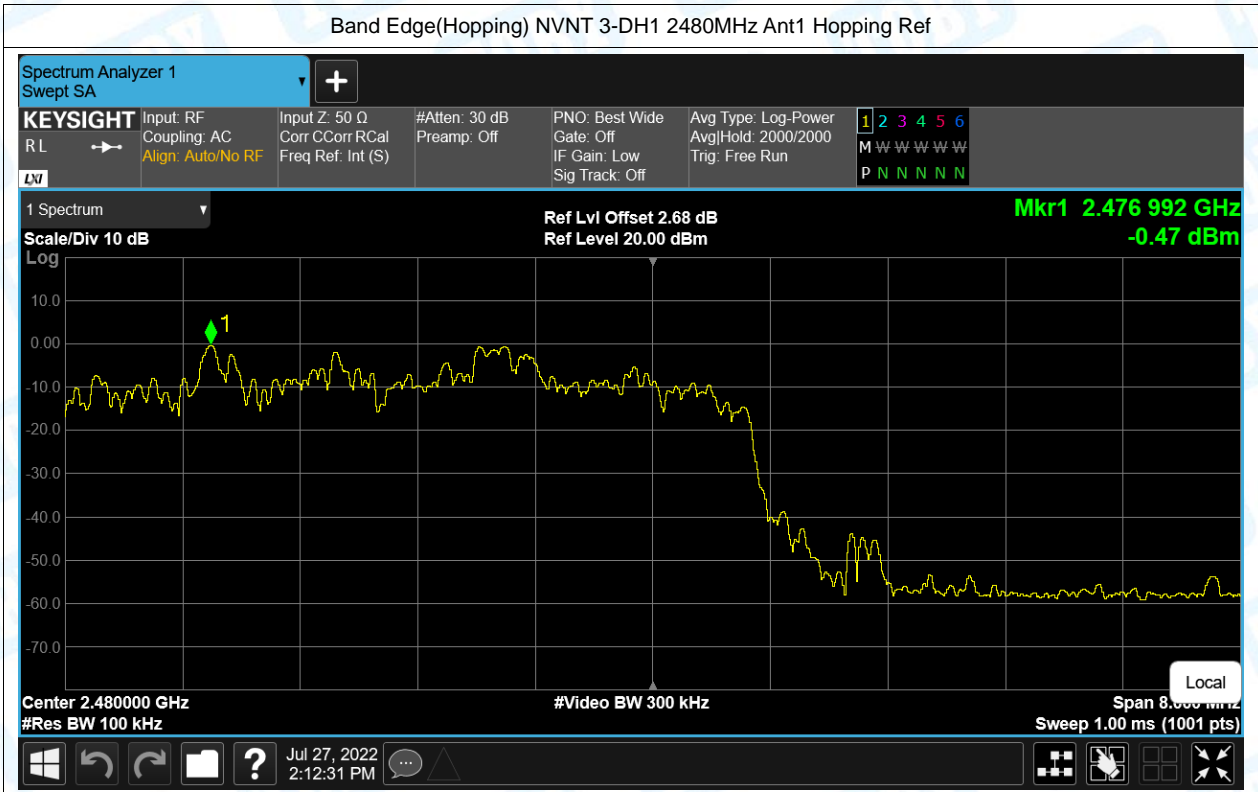










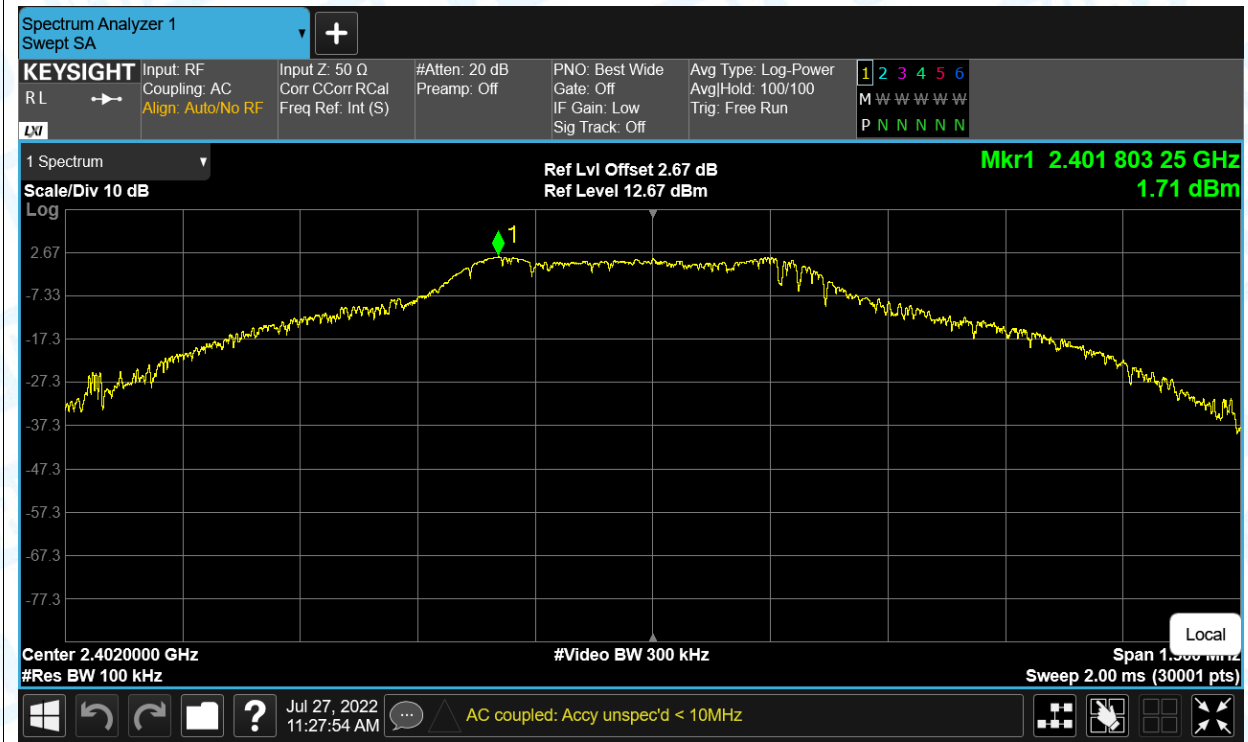


7. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-48.89	-20	Pass
NVNT	1-DH1	2441	Ant1	-47.01	-20	Pass
NVNT	1-DH1	2480	Ant1	-48.07	-20	Pass
NVNT	2-DH1	2402	Ant1	-48.04	-20	Pass
NVNT	2-DH1	2441	Ant1	-46.77	-20	Pass
NVNT	2-DH1	2480	Ant1	-46.8	-20	Pass
NVNT	3-DH1	2402	Ant1	-48.59	-20	Pass
NVNT	3-DH1	2441	Ant1	-47.45	-20	Pass
NVNT	3-DH1	2480	Ant1	-45.45	-20	Pass

Test Graphs

Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission

