

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

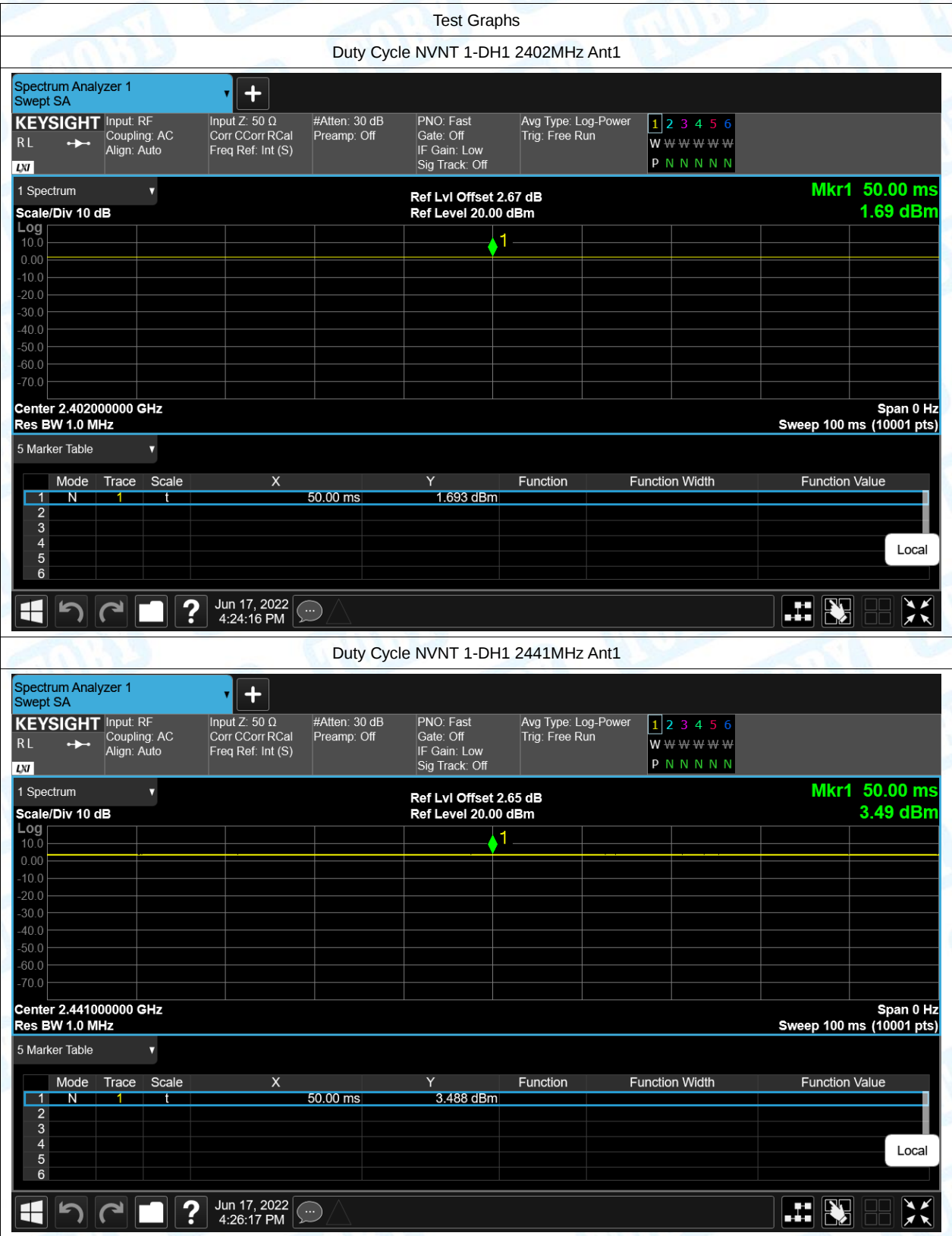
General Description of EUT	
Product Name:	Tablet PC
Test Model:	YQ10S
Sample ID:	202204-0277_03-02-2
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 3.8V
Test Engineer:	Huangjianping
Note: For a more detailed features description, please refer to the report TBR-C-202204-0277-15.	

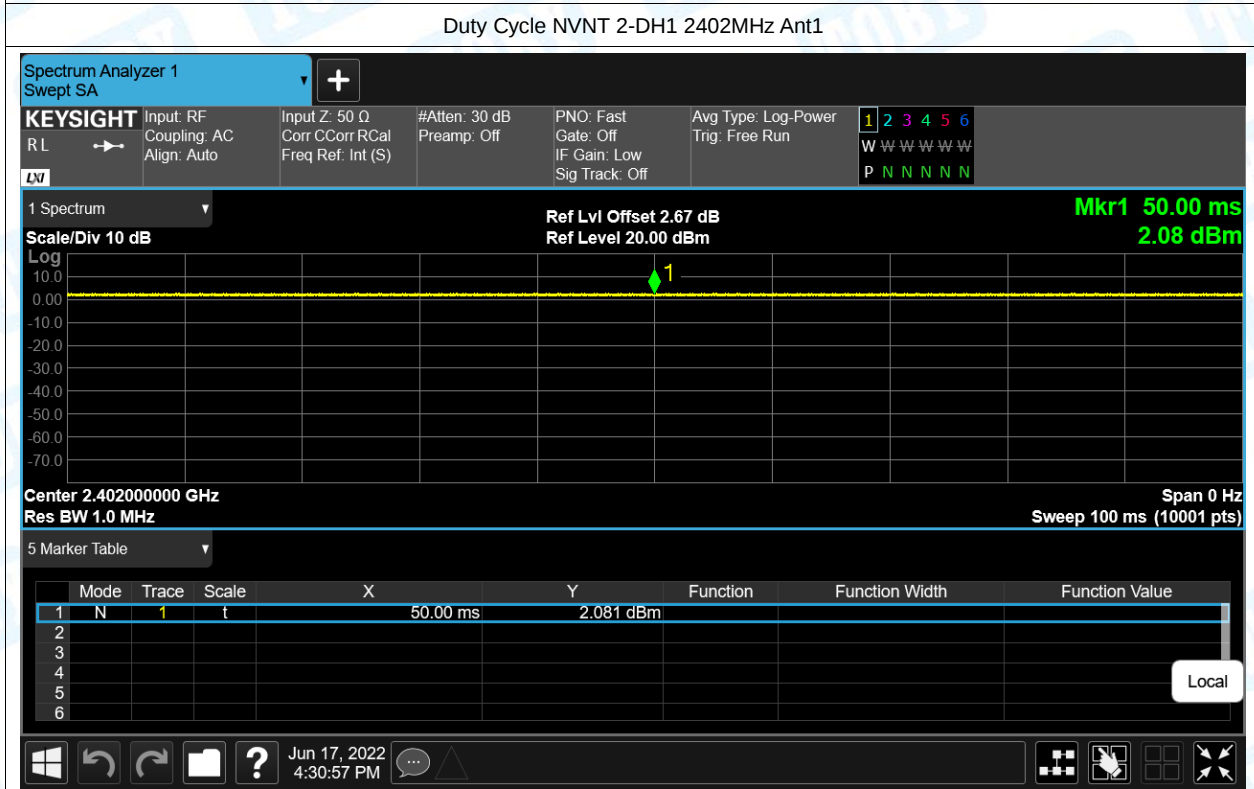
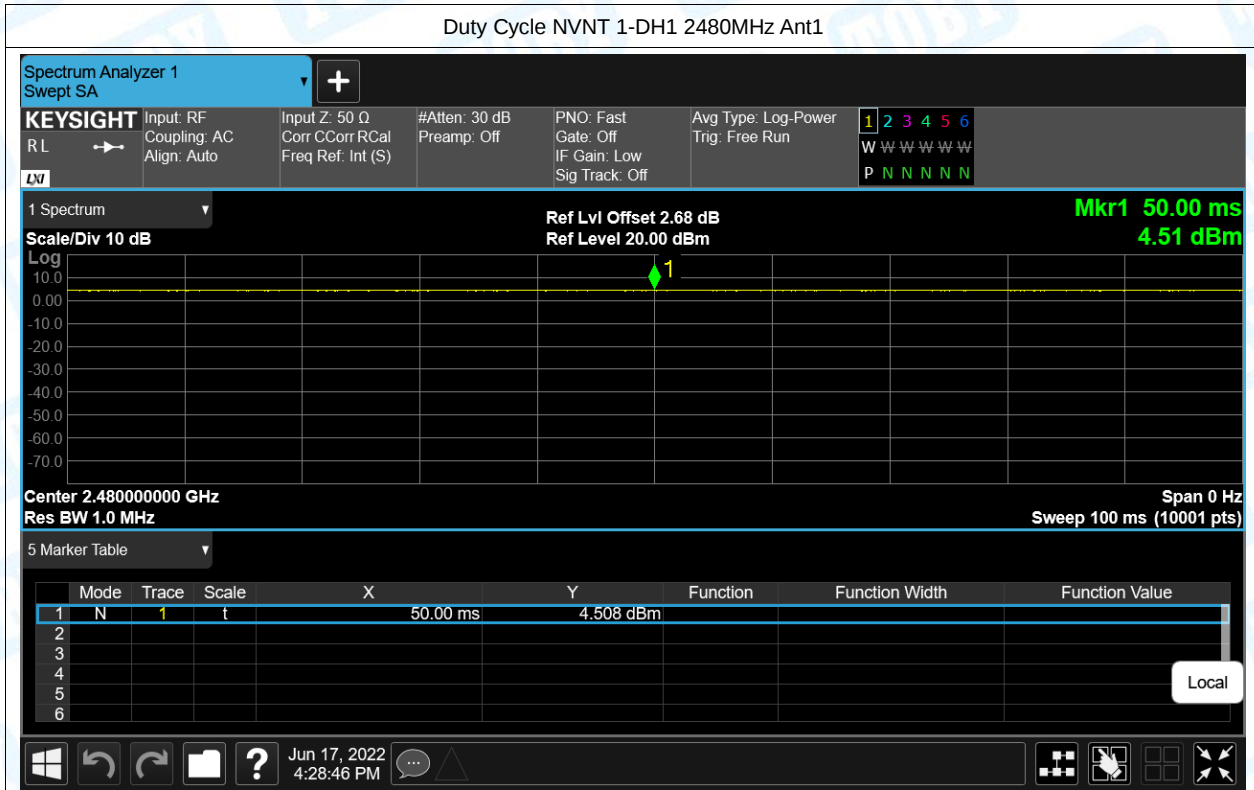
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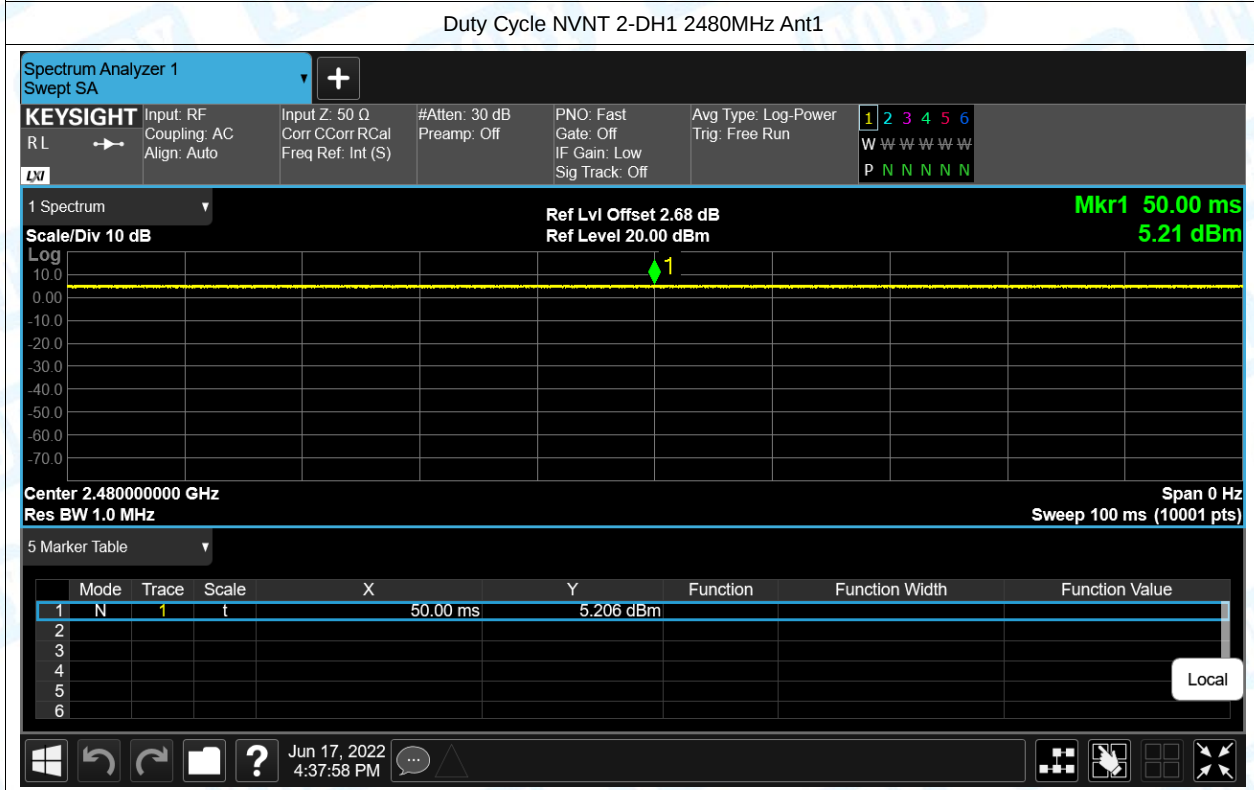
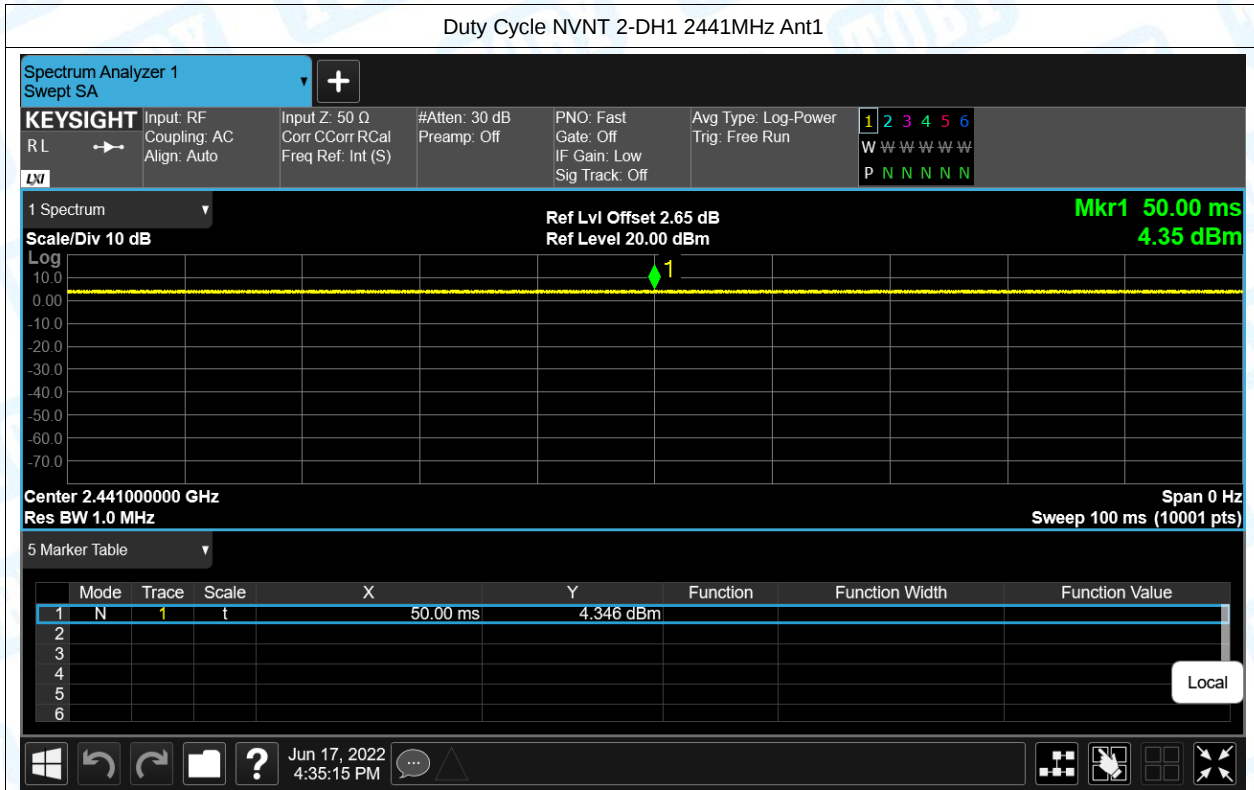
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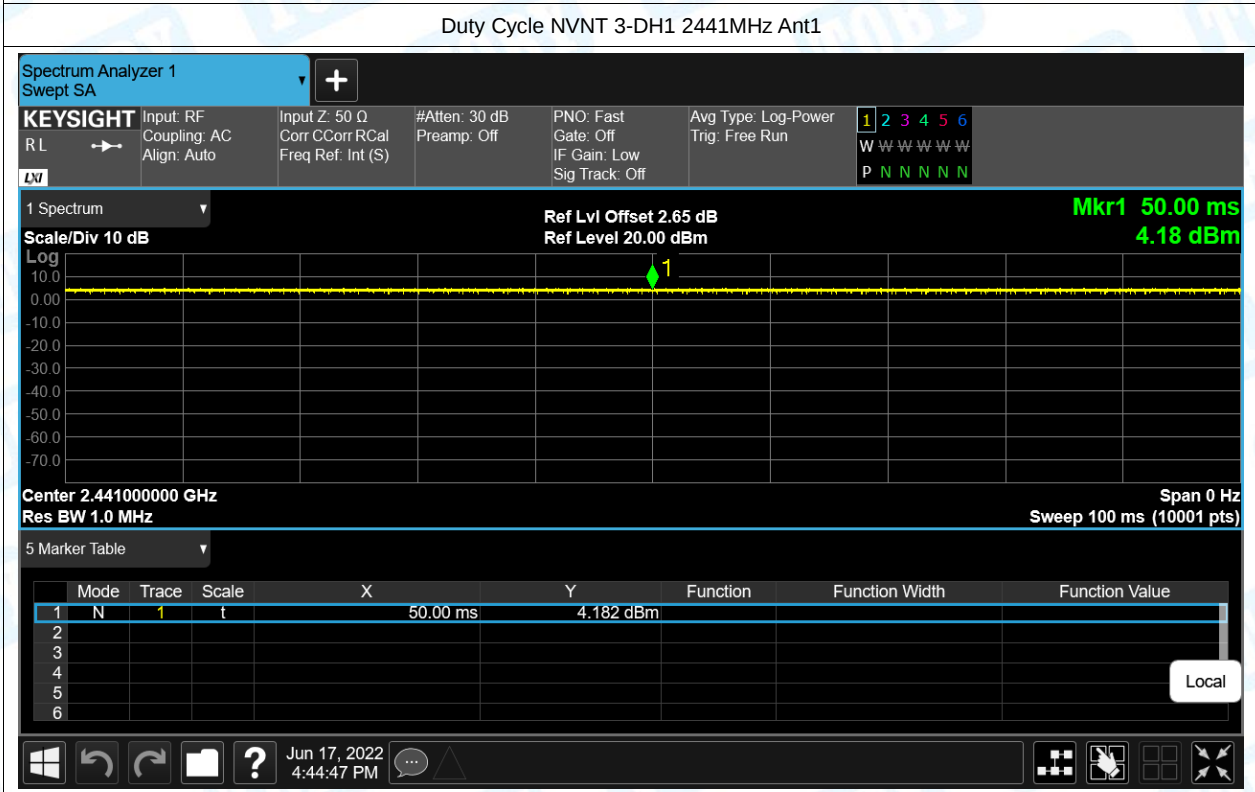
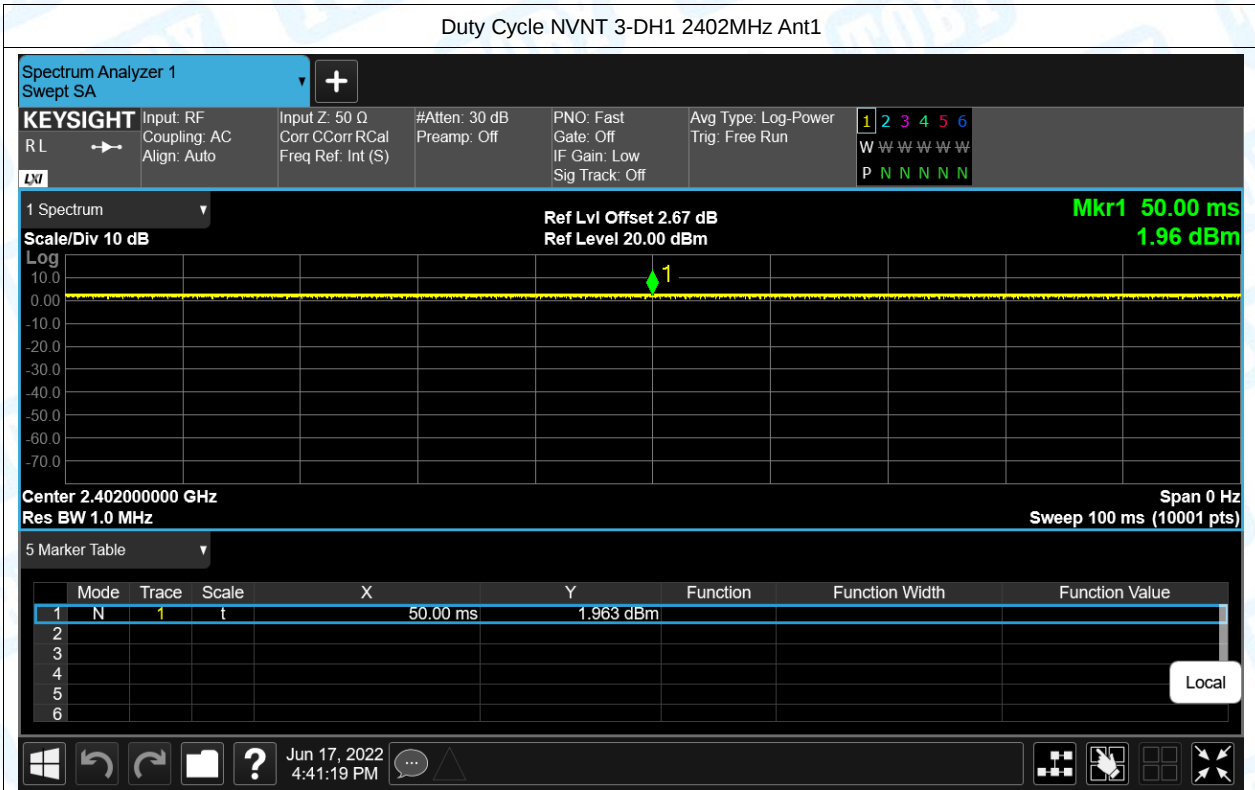
1. Duty Cycle

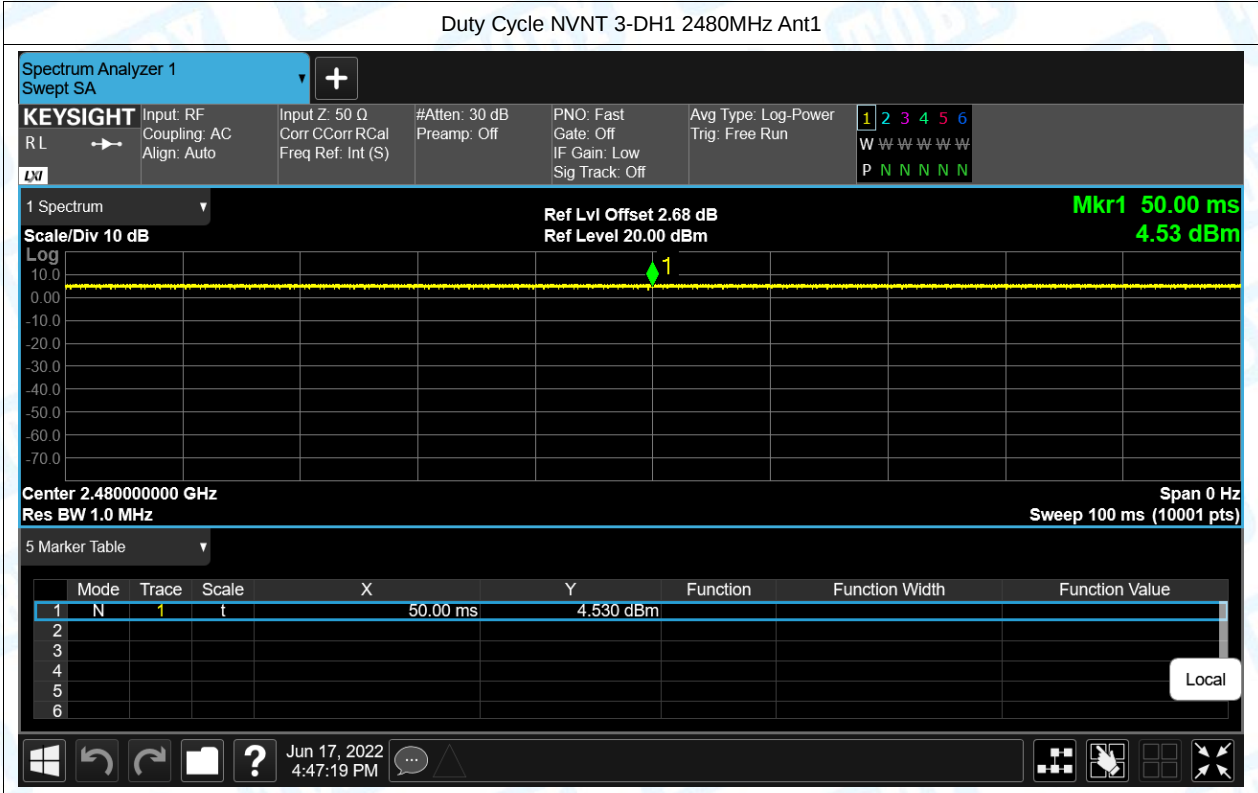
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH1	2402	Ant1	100	0	0
NVNT	1-DH1	2441	Ant1	100	0	0
NVNT	1-DH1	2480	Ant1	100	0	0
NVNT	2-DH1	2402	Ant1	100	0	0
NVNT	2-DH1	2441	Ant1	100	0	0
NVNT	2-DH1	2480	Ant1	100	0	0
NVNT	3-DH1	2402	Ant1	100	0	0
NVNT	3-DH1	2441	Ant1	100	0	0
NVNT	3-DH1	2480	Ant1	100	0	0





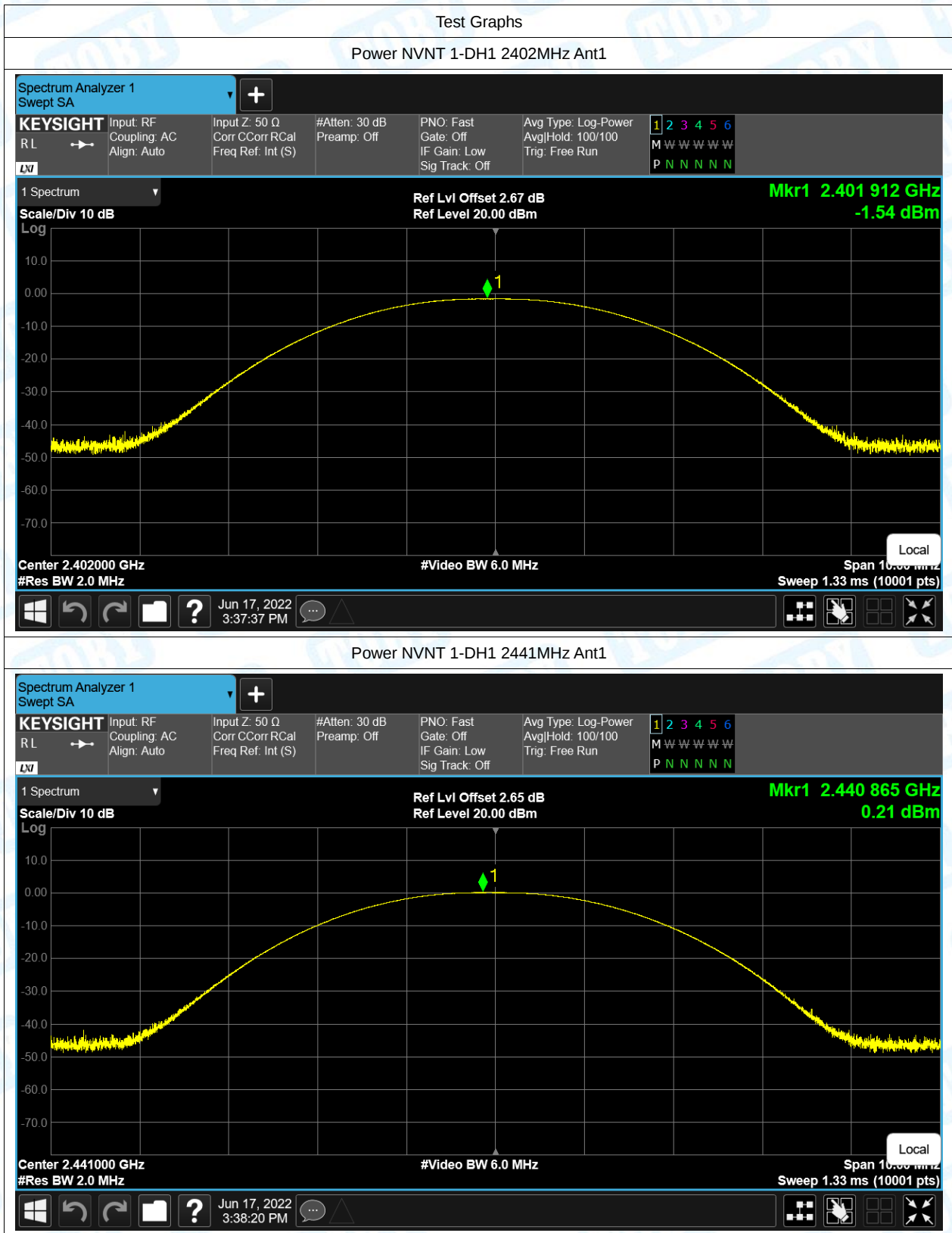






2. Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	-1.538	21	Pass
NVNT	1-DH1	2441	Ant1	0.212	21	Pass
NVNT	1-DH1	2480	Ant1	1.161	21	Pass
NVNT	1-DH3	2441	Ant1	1.814	21	Pass
NVNT	1-DH5	2441	Ant1	1.814	21	Pass
NVNT	2-DH1	2402	Ant1	0.029	21	Pass
NVNT	2-DH1	2441	Ant1	1.753	21	Pass
NVNT	2-DH1	2480	Ant1	2.594	21	Pass
NVNT	2-DH3	2441	Ant1	1.806	21	Pass
NVNT	2-DH5	2441	Ant1	1.791	21	Pass
NVNT	3-DH1	2402	Ant1	0.409	21	Pass
NVNT	3-DH1	2441	Ant1	2.144	21	Pass
NVNT	3-DH1	2480	Ant1	-0.141	21	Pass
NVNT	3-DH3	2441	Ant1	1.797	21	Pass
NVNT	3-DH5	2441	Ant1	1.776	21	Pass



Power NVNT 1-DH1 2441MHz Ant1

Spectrum Analyzer 1
Swept SA

KEYSIGHT

Input: RF
Coupling: AC
Align: Auto

Input Z: 50 Ω
Corr CCorr RCal
Freq Ref: Int (S)

#Atten: 30 dB
Preamp: Off

PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off

Avg Type: Log-Power
AvalHold: 100/100
Trig: Free Run

1 2 3 4 5 6
M W W W W W
P N N N N N

1 Spectrum

Scale/Div 10 dB

Log

Ref Lvl Offset 2.65 dB
Ref Level 20.00 dBmMkr1 2.440 865 GHz
0.21 dBmCenter 2.441000 GHz
#Res BW 2.0 MHz

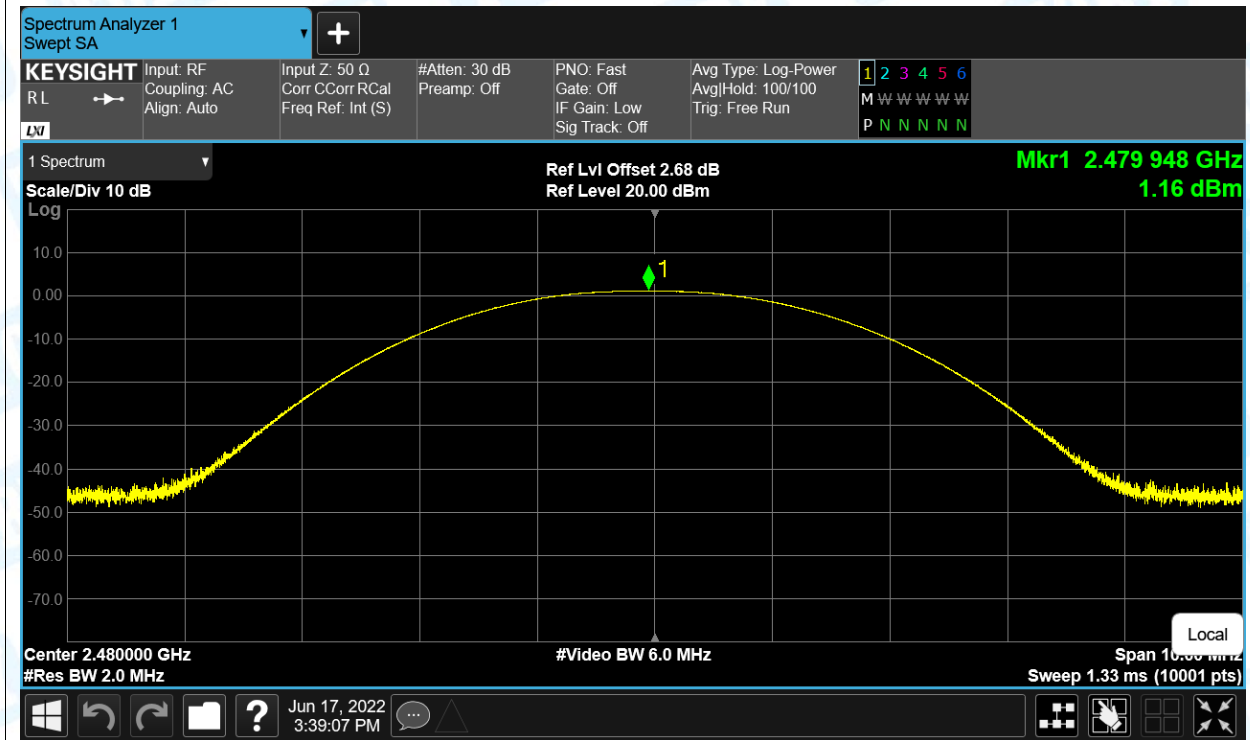
#Video BW 6.0 MHz

Span 10.00 MHz
Sweep 1.33 ms (10001 pts)

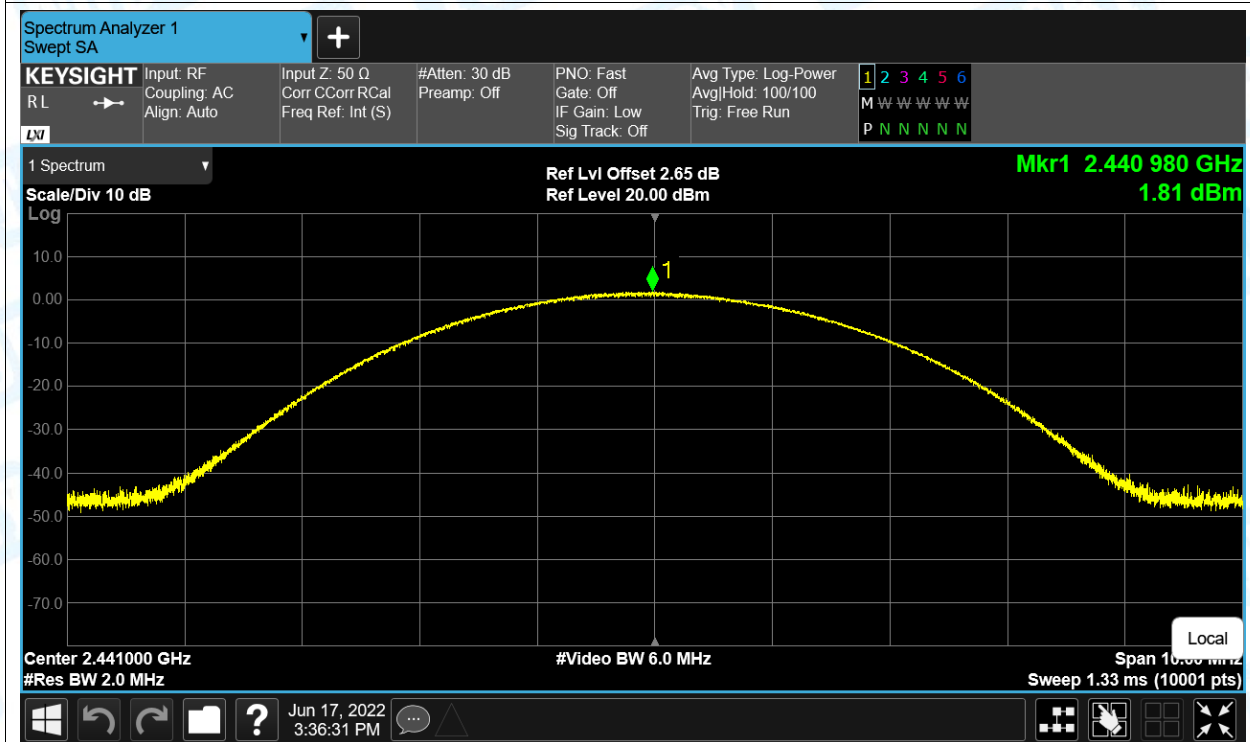
Local

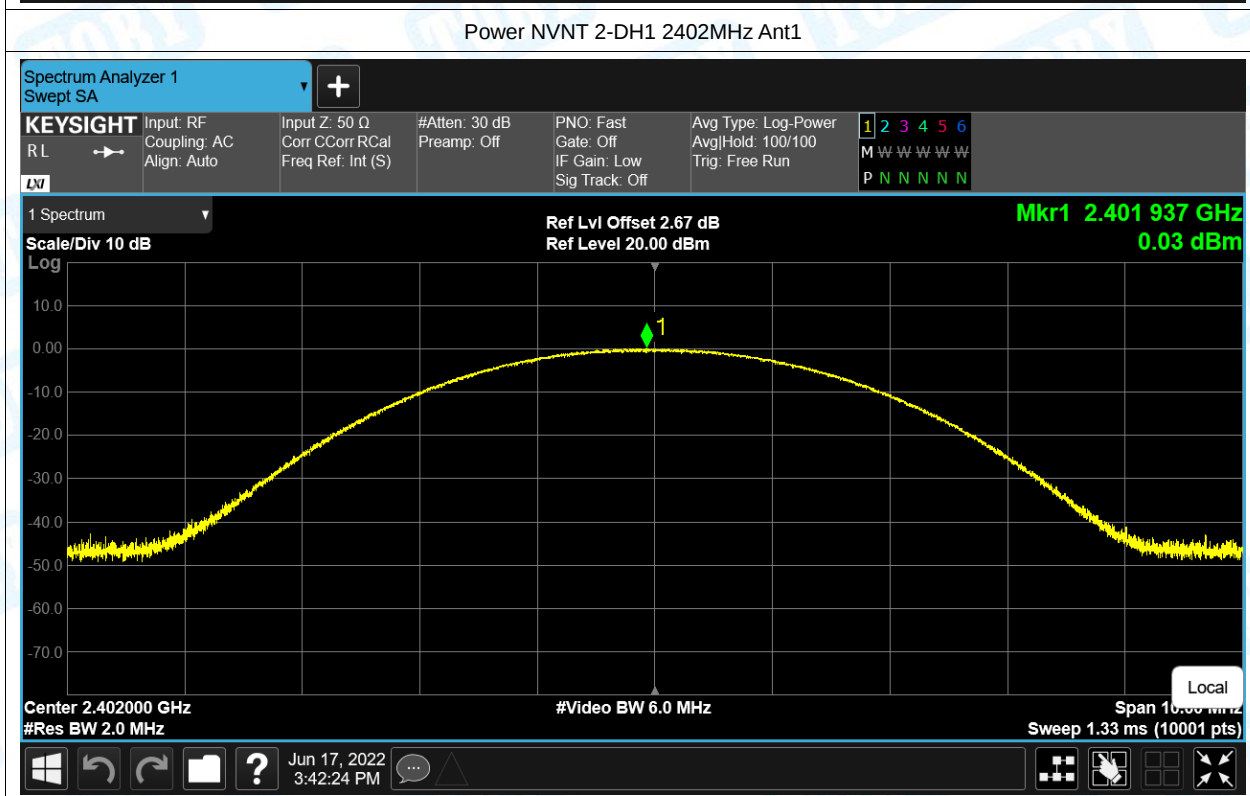
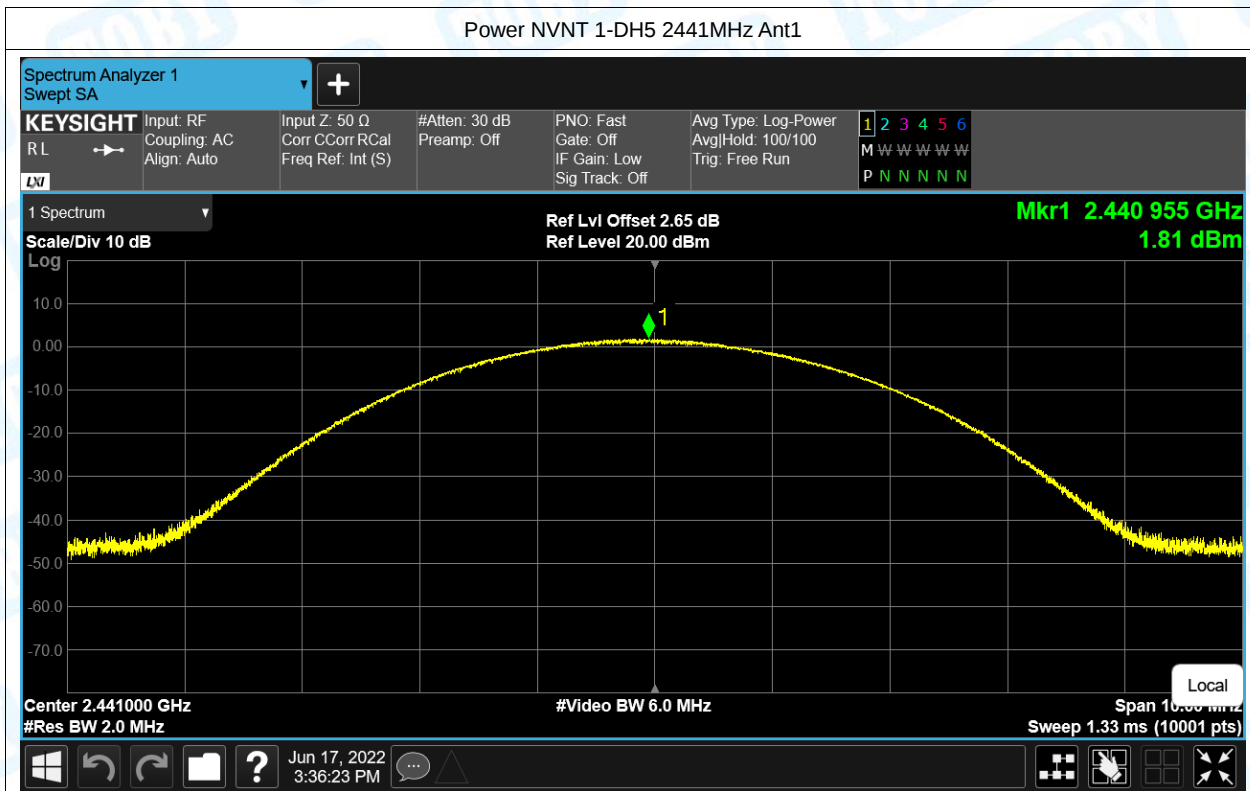
Jun 17, 2022 3:38:20 PM

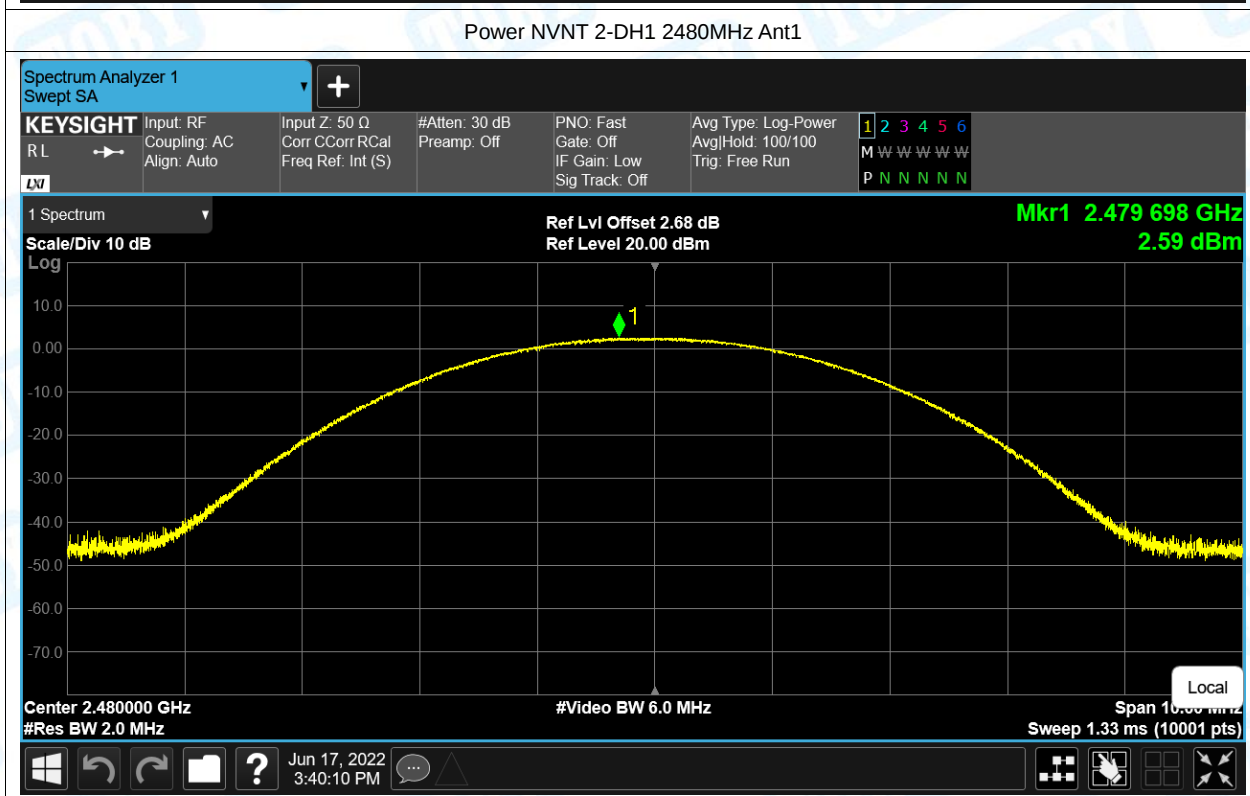
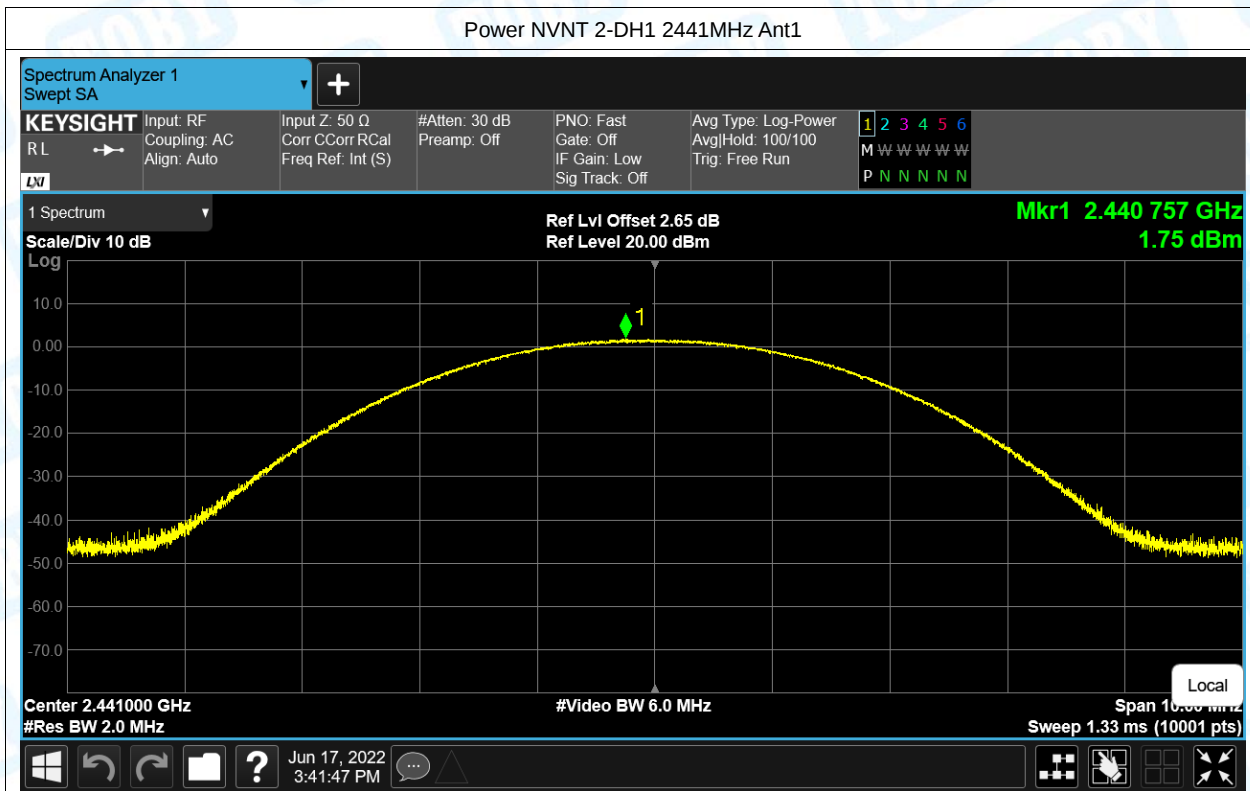
Power NVNT 1-DH1 2480MHz Ant1

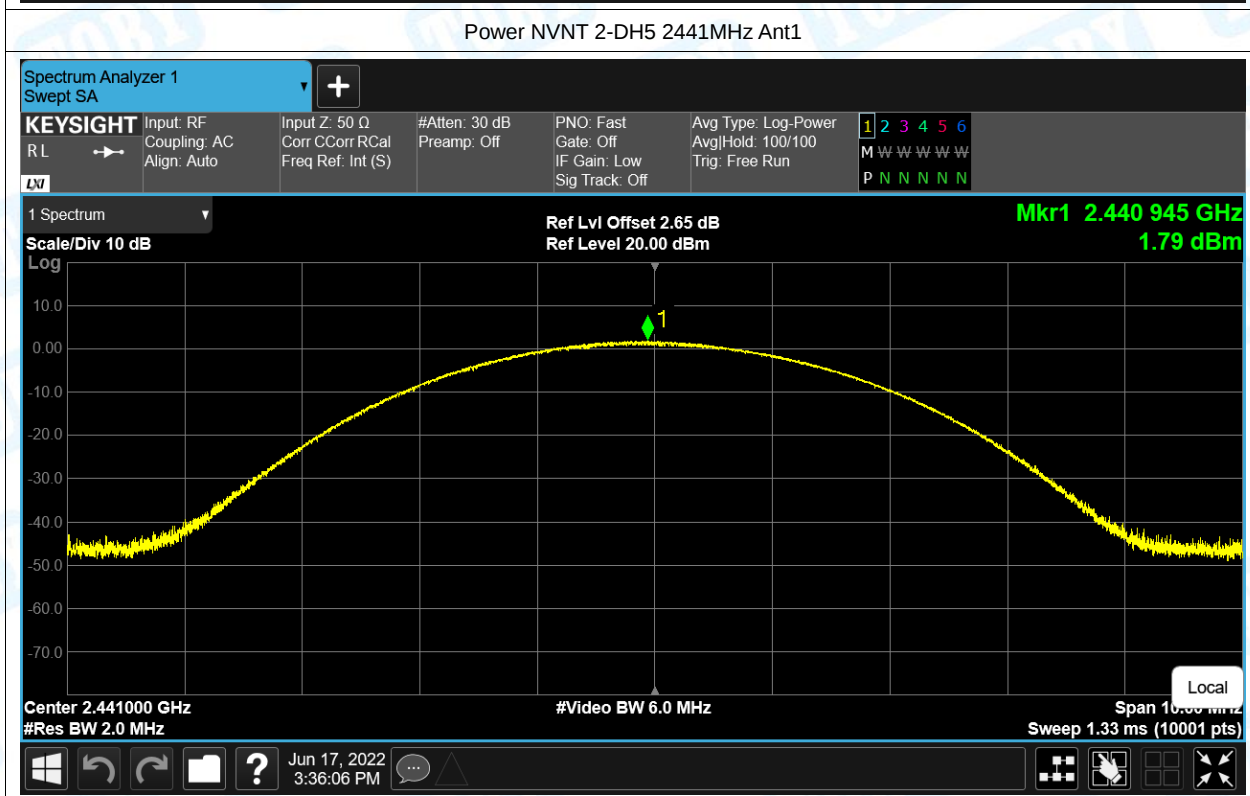
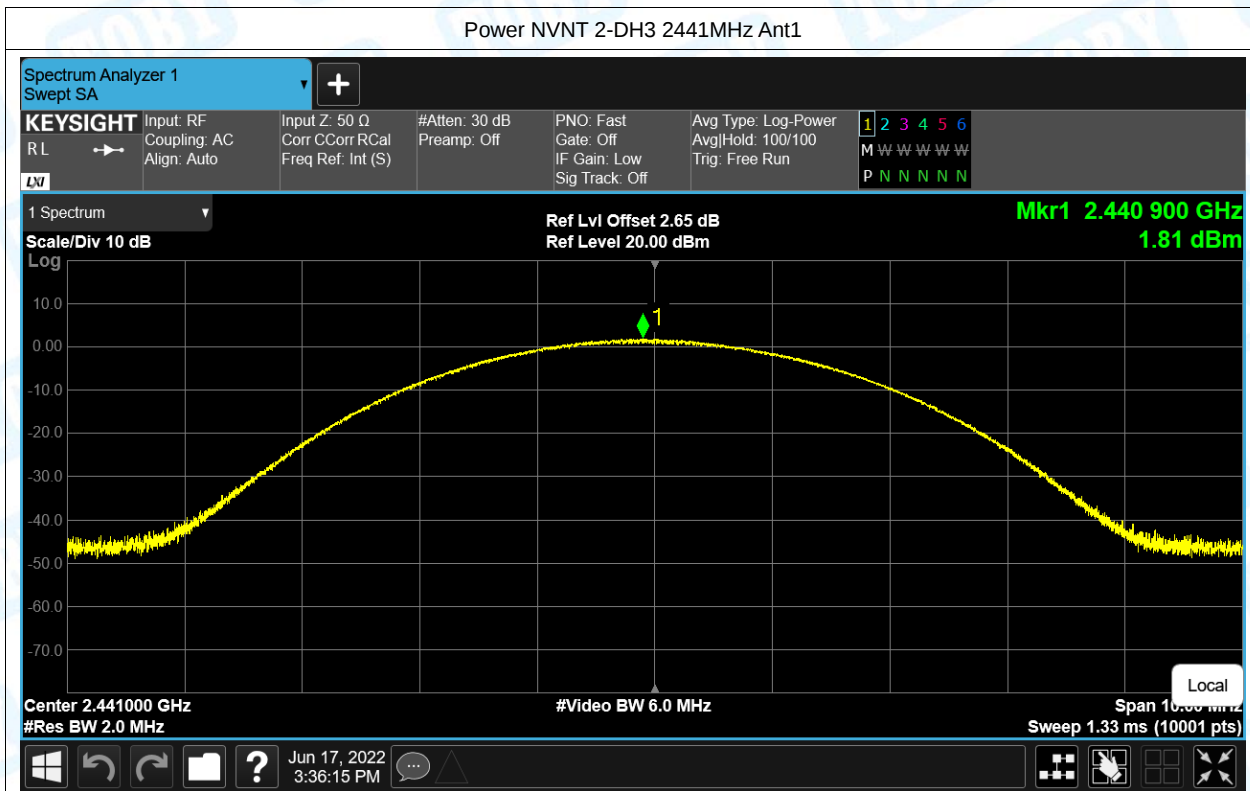


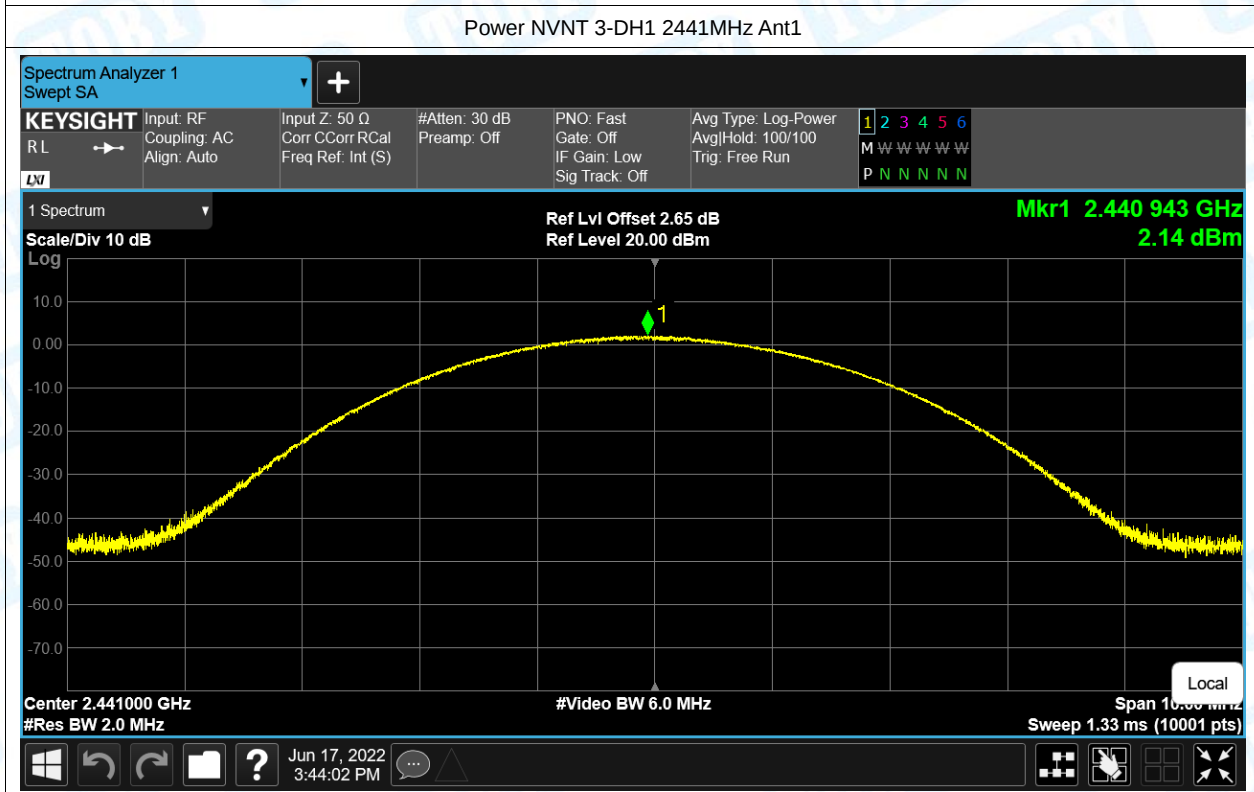
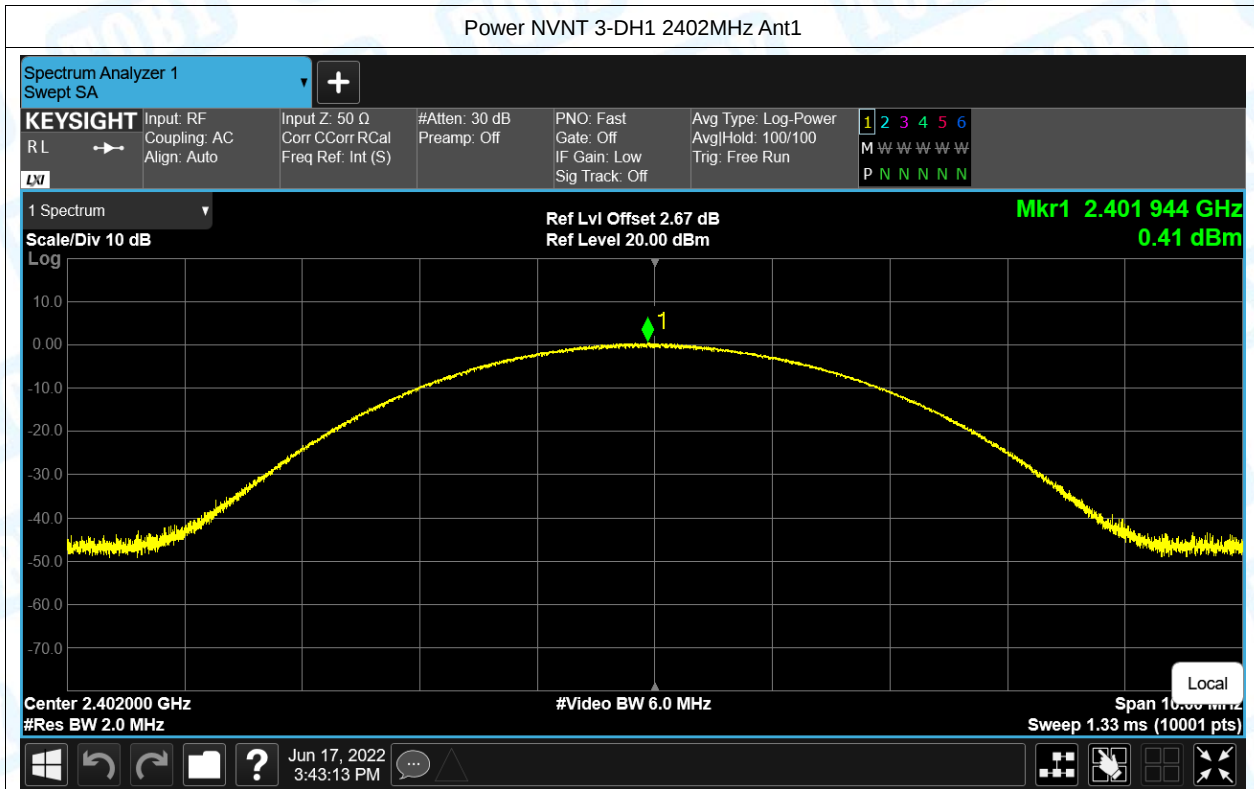
Power NVNT 1-DH3 2441MHz Ant1

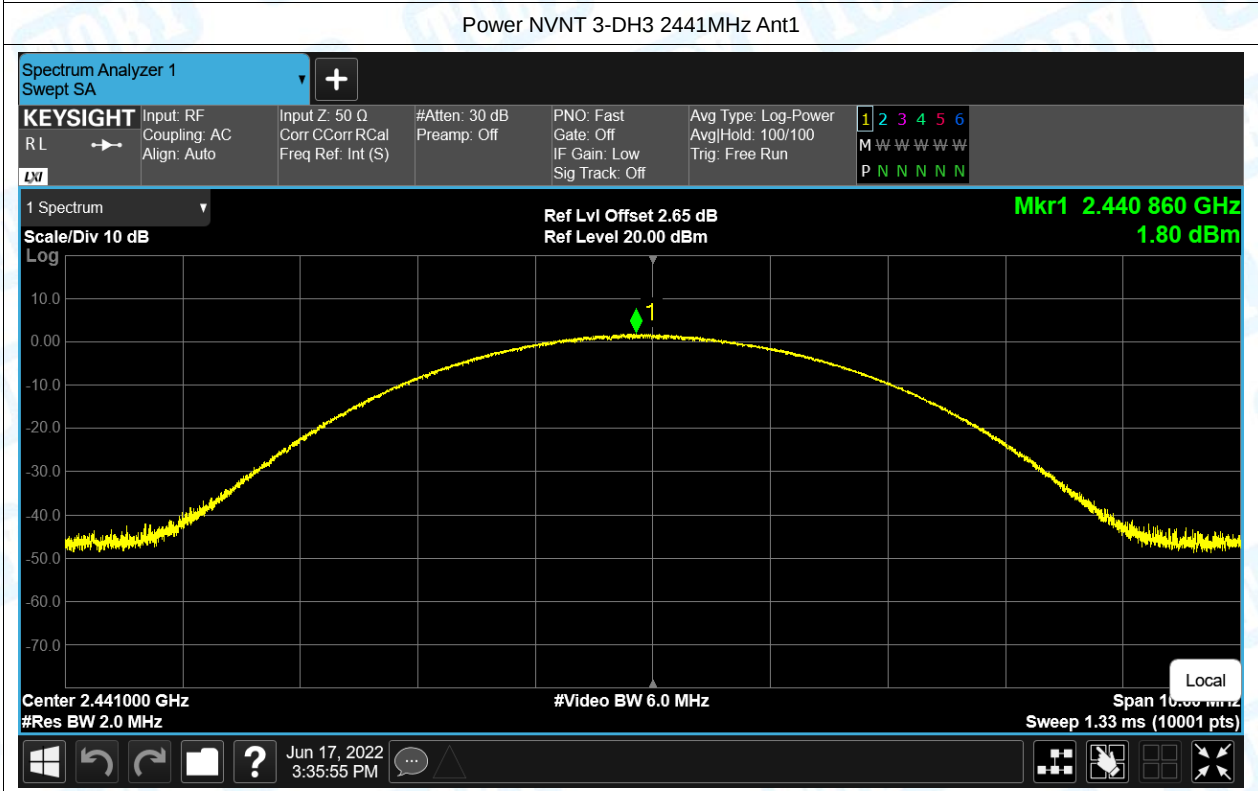


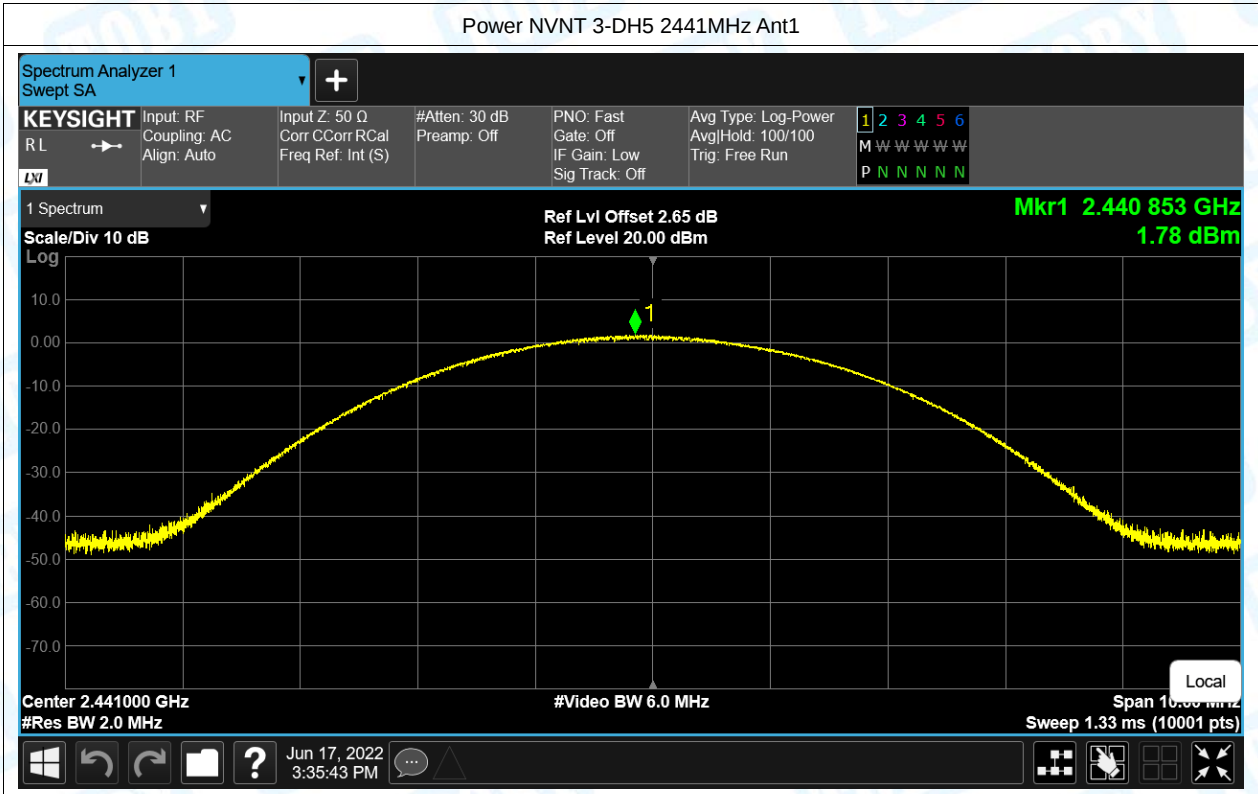












3. -20dB Bandwidth

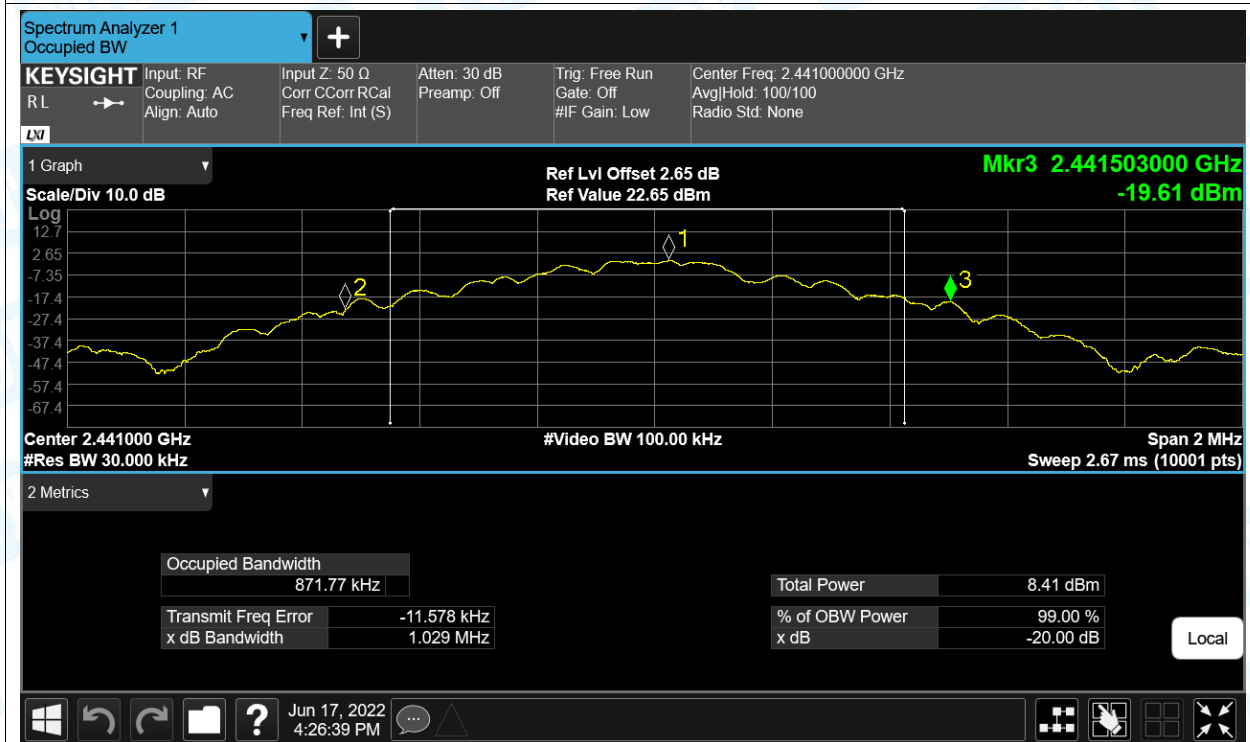
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	1.03	0	Pass
NVNT	1-DH1	2441	Ant1	1.03	0	Pass
NVNT	1-DH1	2480	Ant1	1.03	0	Pass
NVNT	2-DH1	2402	Ant1	1.34	0	Pass
NVNT	2-DH1	2441	Ant1	1.34	0	Pass
NVNT	2-DH1	2480	Ant1	1.34	0	Pass
NVNT	3-DH1	2402	Ant1	1.29	0	Pass
NVNT	3-DH1	2441	Ant1	1.29	0	Pass
NVNT	3-DH1	2480	Ant1	1.29	0	Pass

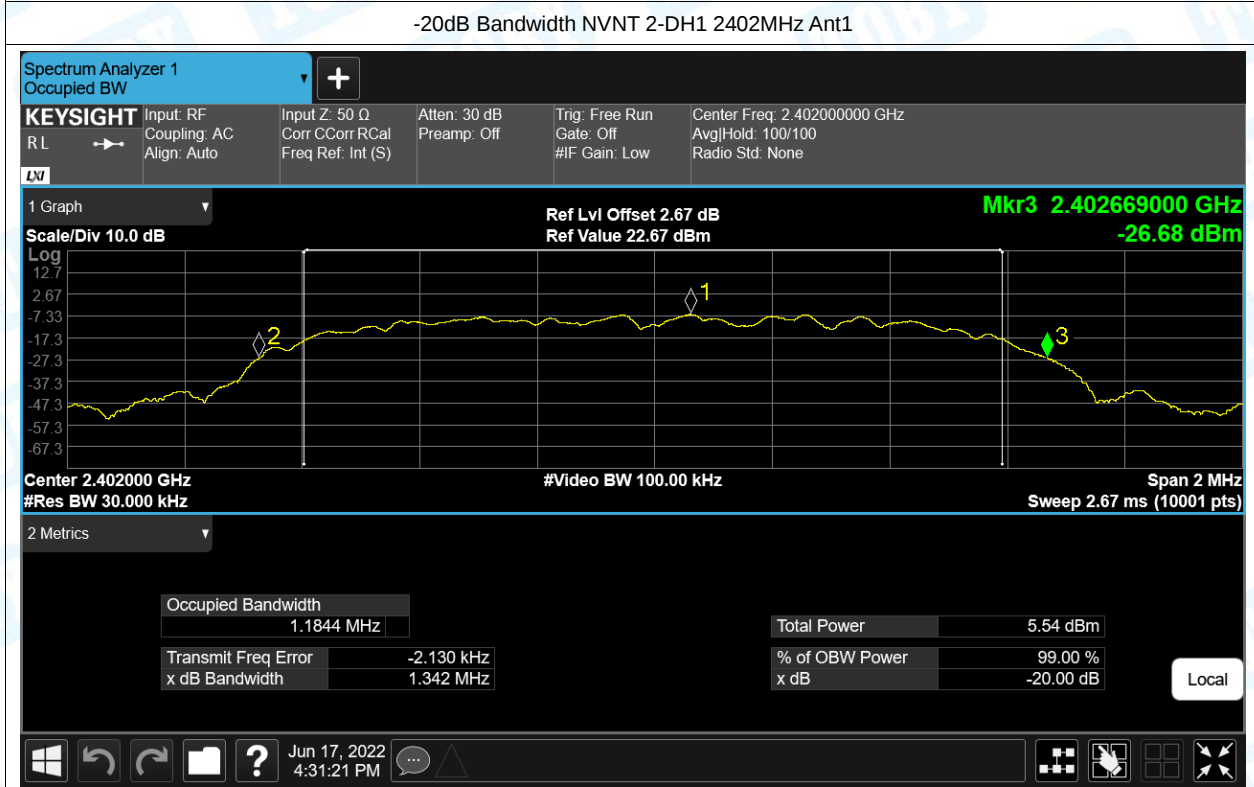
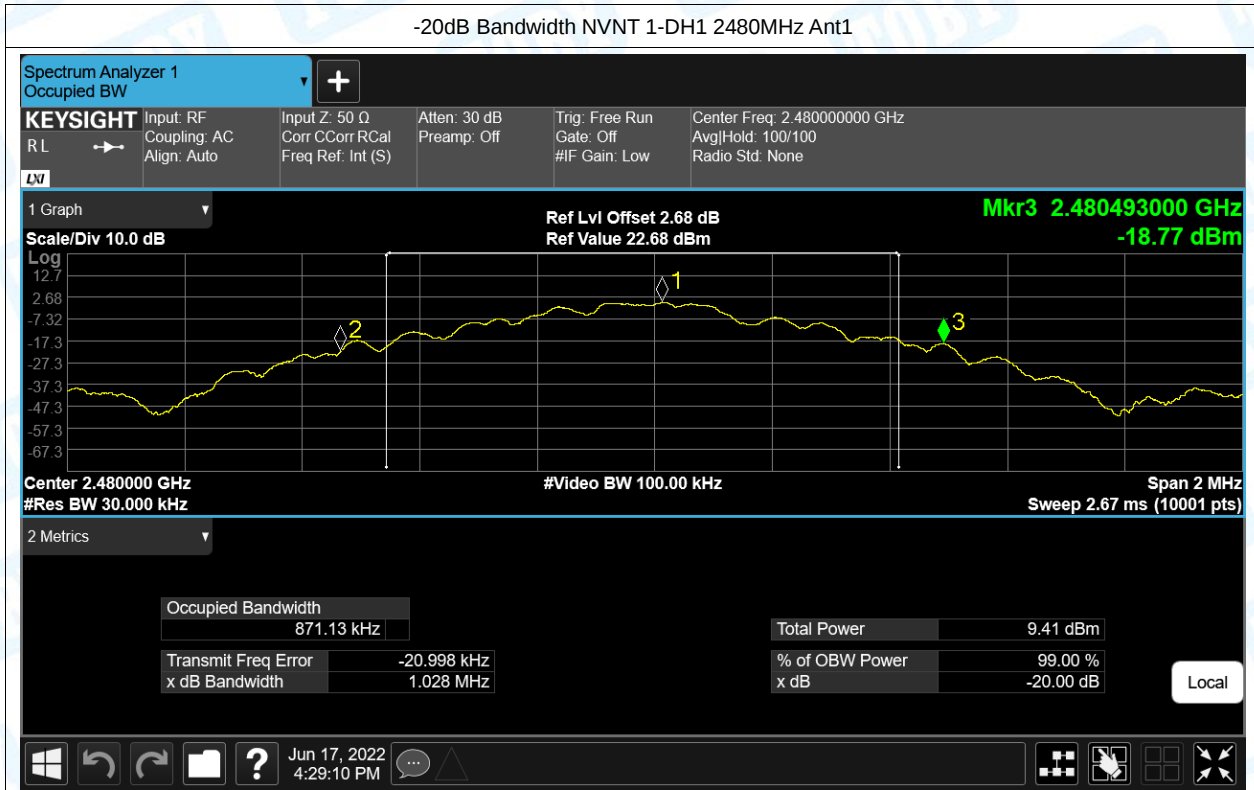
Test Graphs

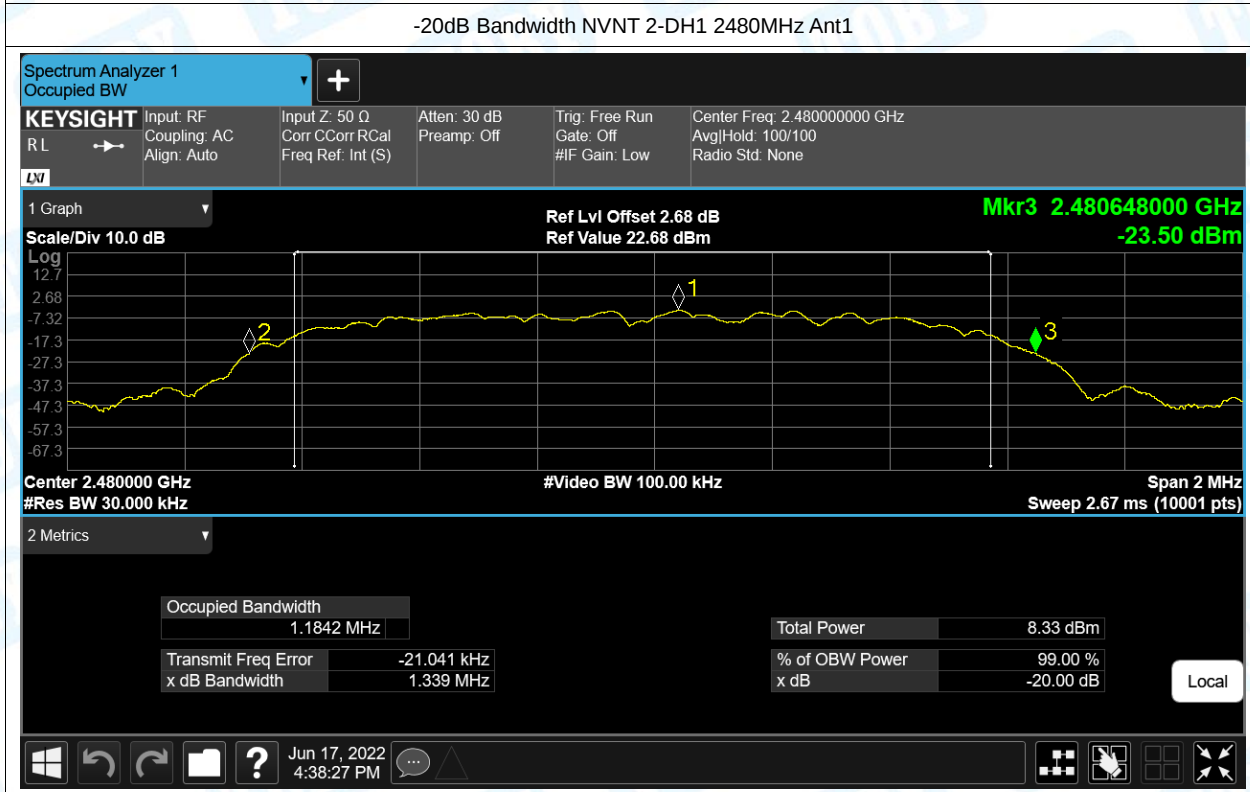
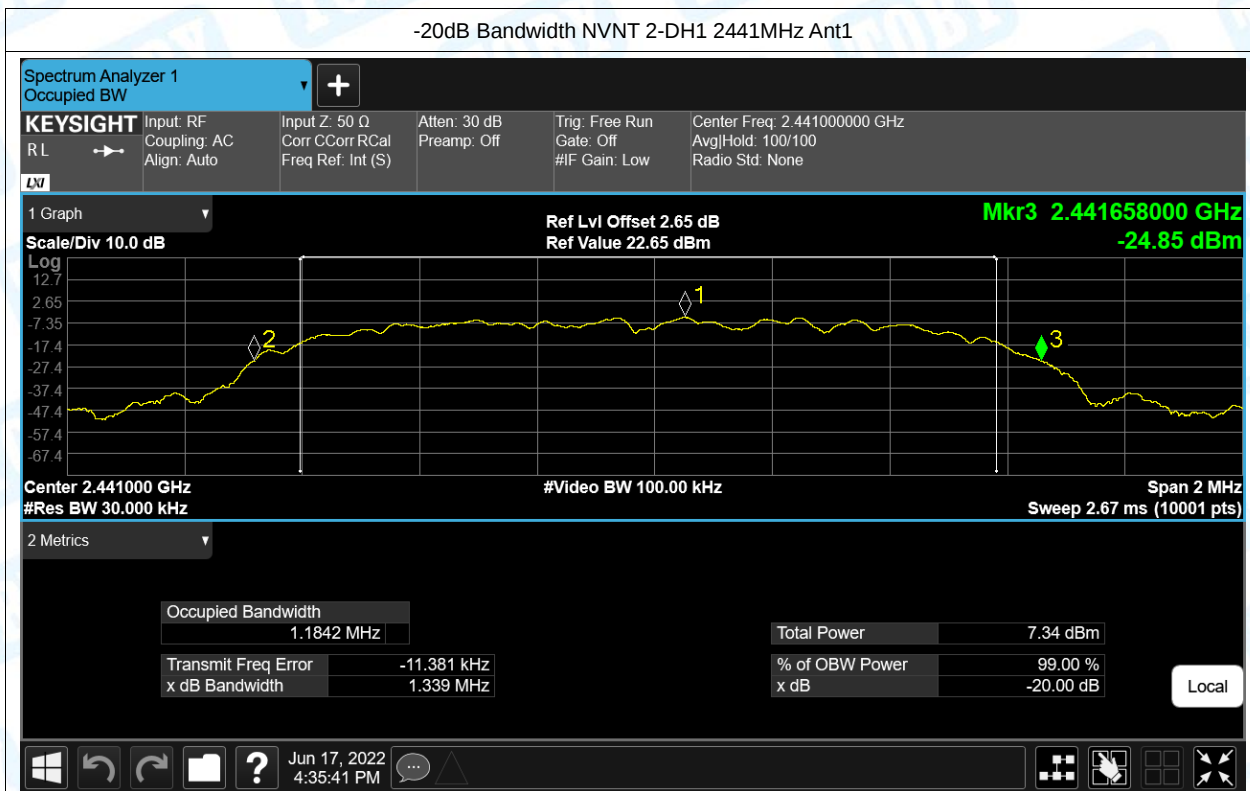
-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1

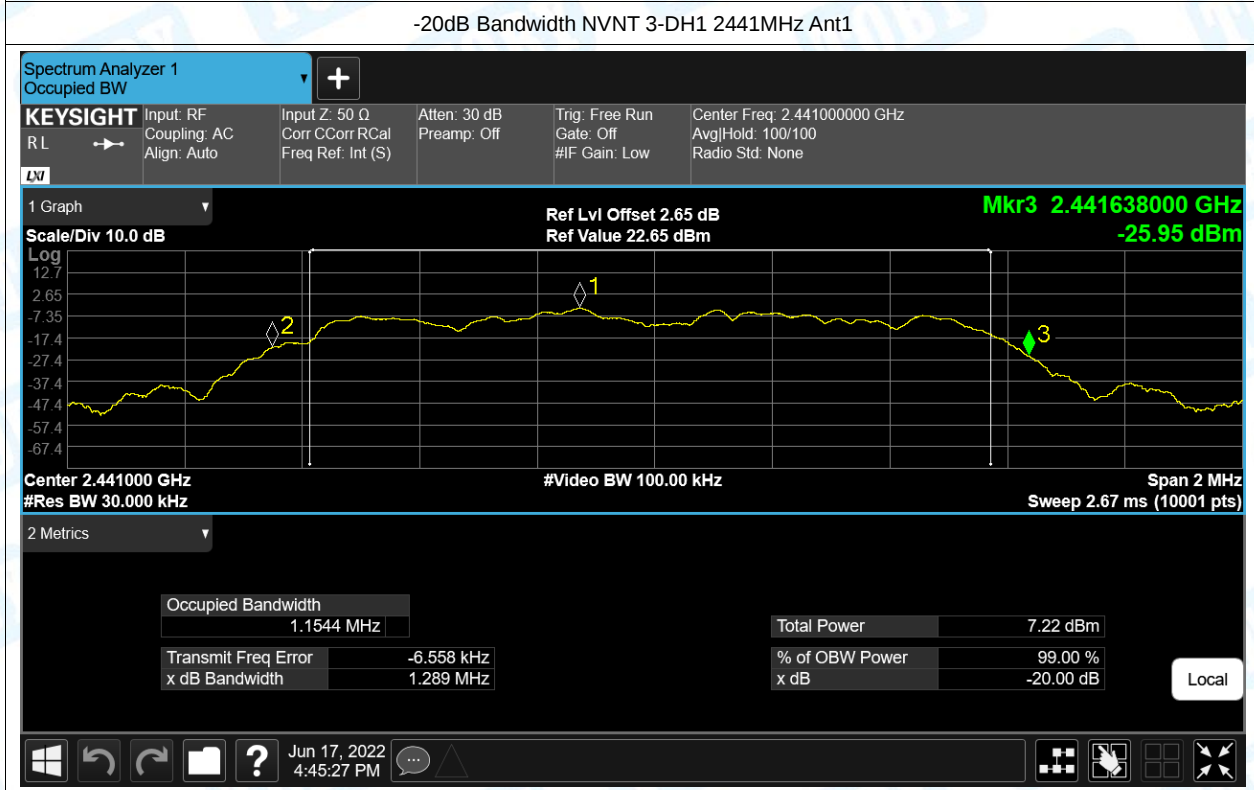
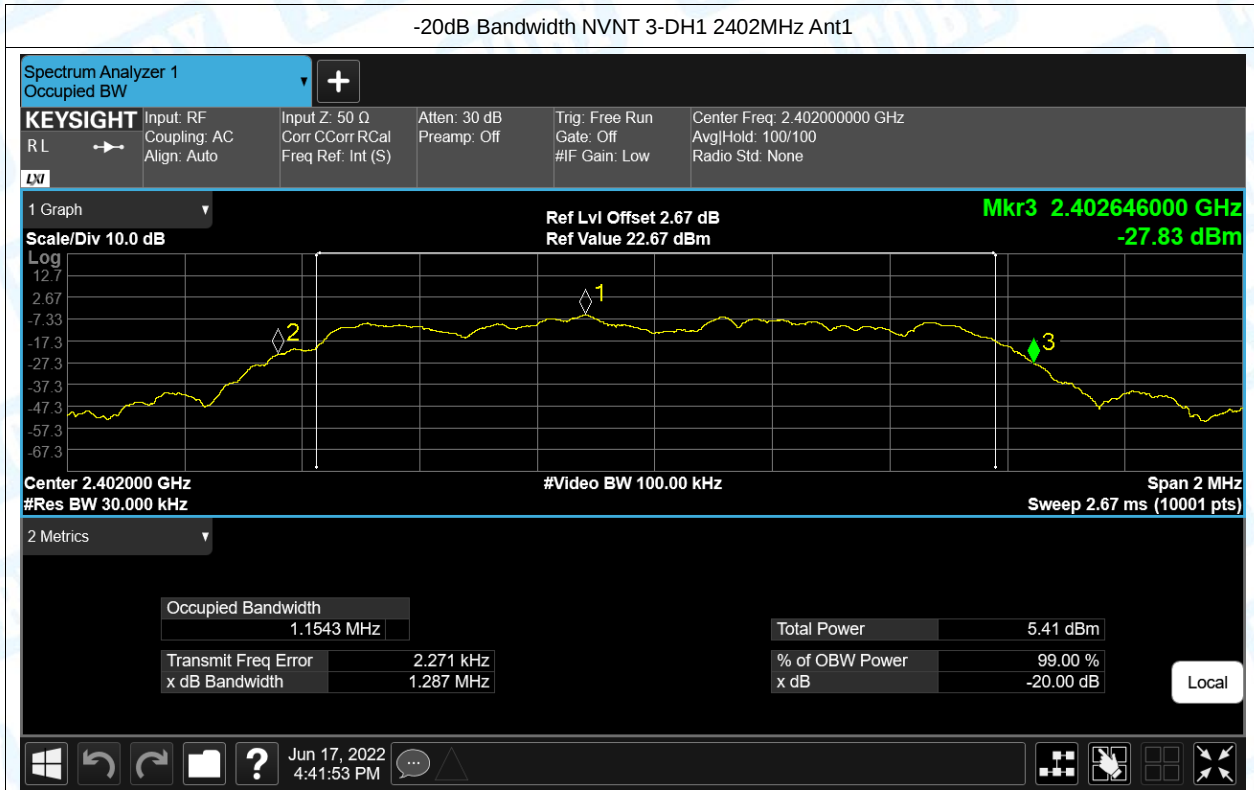


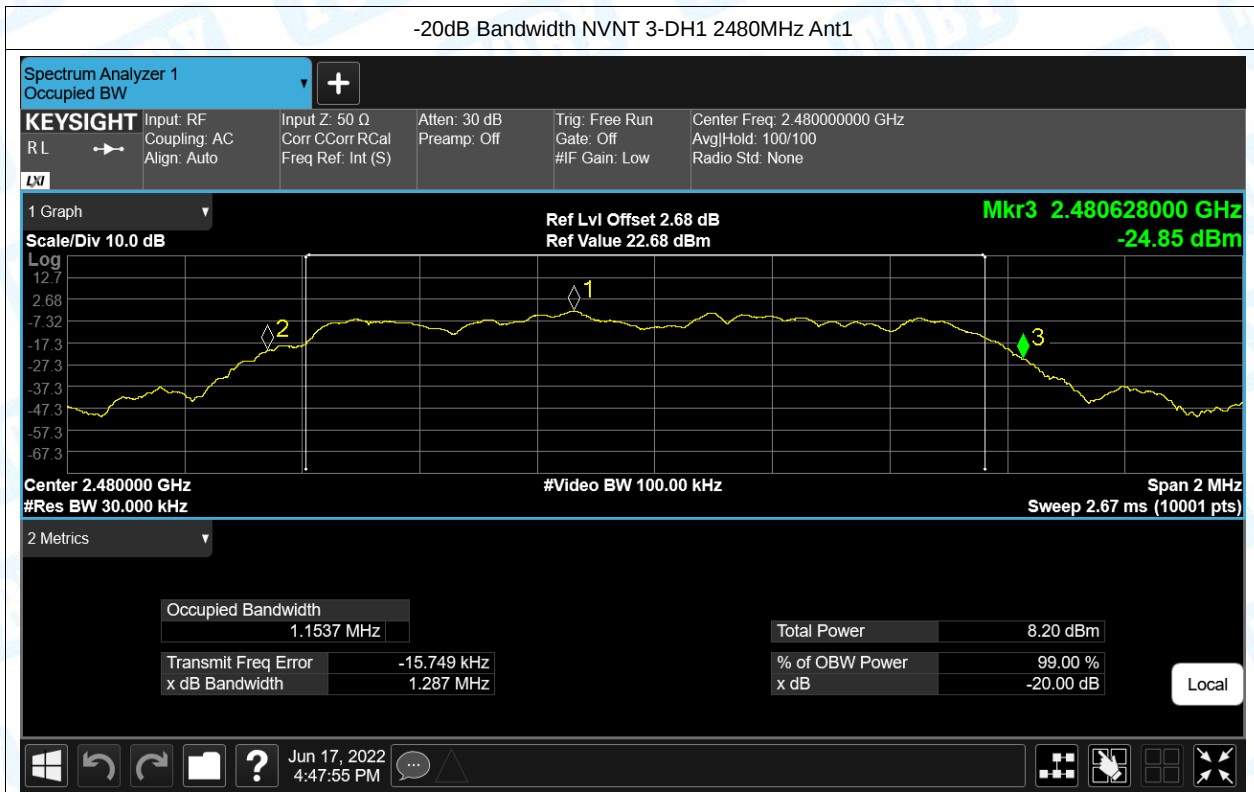
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1











4. Occupied Channel Bandwidth

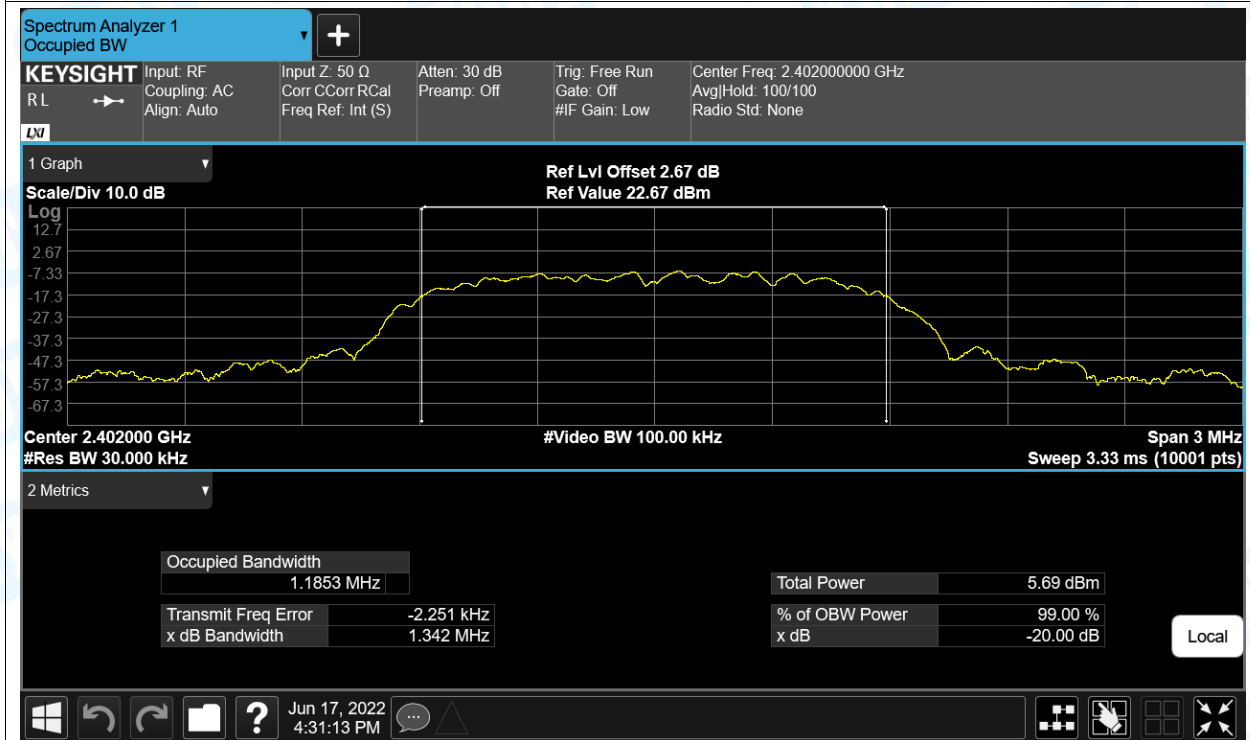
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.869
NVNT	1-DH1	2441	Ant1	0.869
NVNT	1-DH1	2480	Ant1	0.868
NVNT	2-DH1	2402	Ant1	1.185
NVNT	2-DH1	2441	Ant1	1.186
NVNT	2-DH1	2480	Ant1	1.185
NVNT	3-DH1	2402	Ant1	1.154
NVNT	3-DH1	2441	Ant1	1.155
NVNT	3-DH1	2480	Ant1	1.156

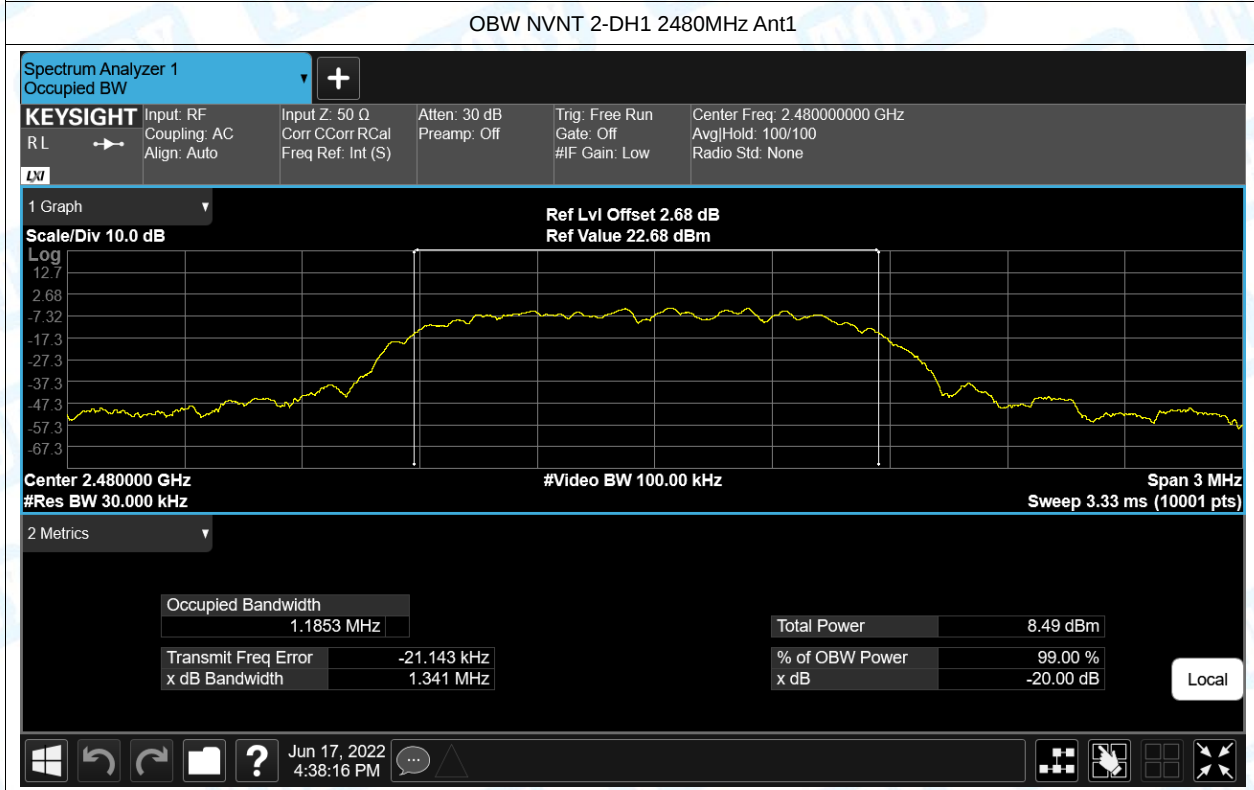
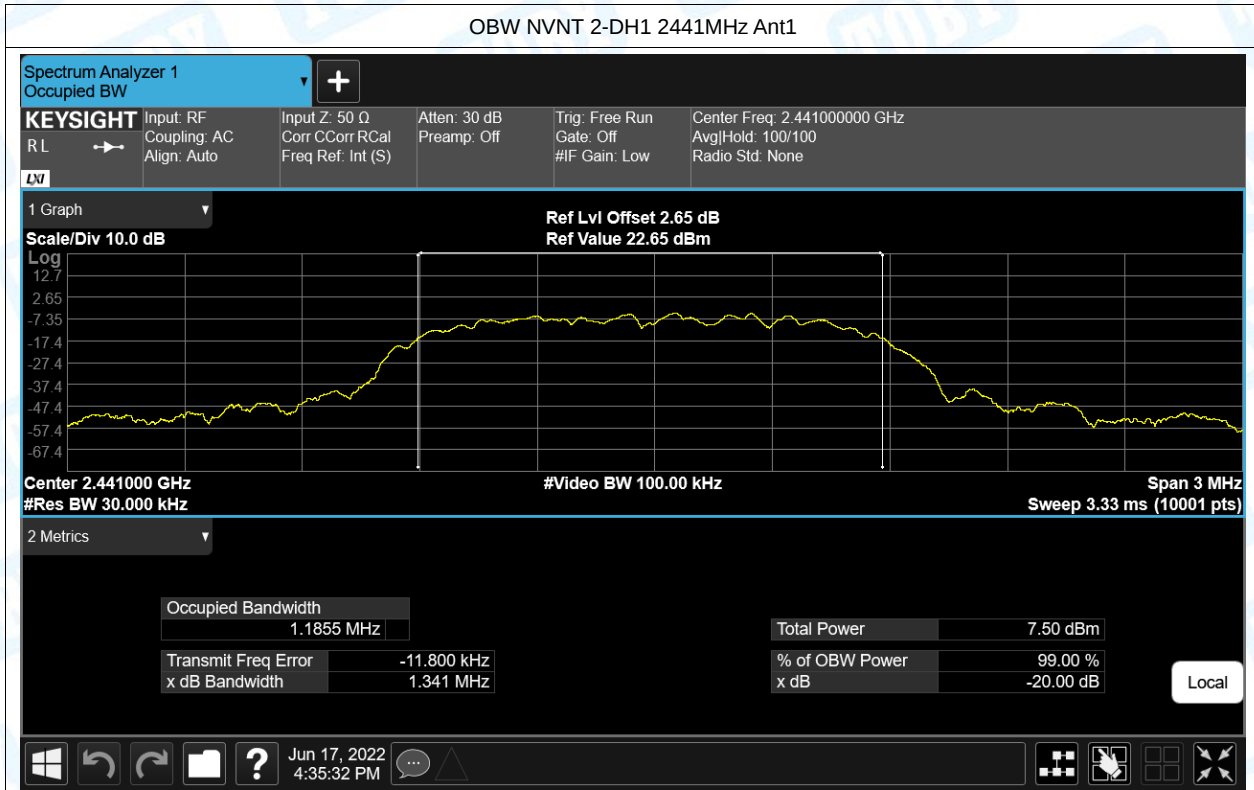


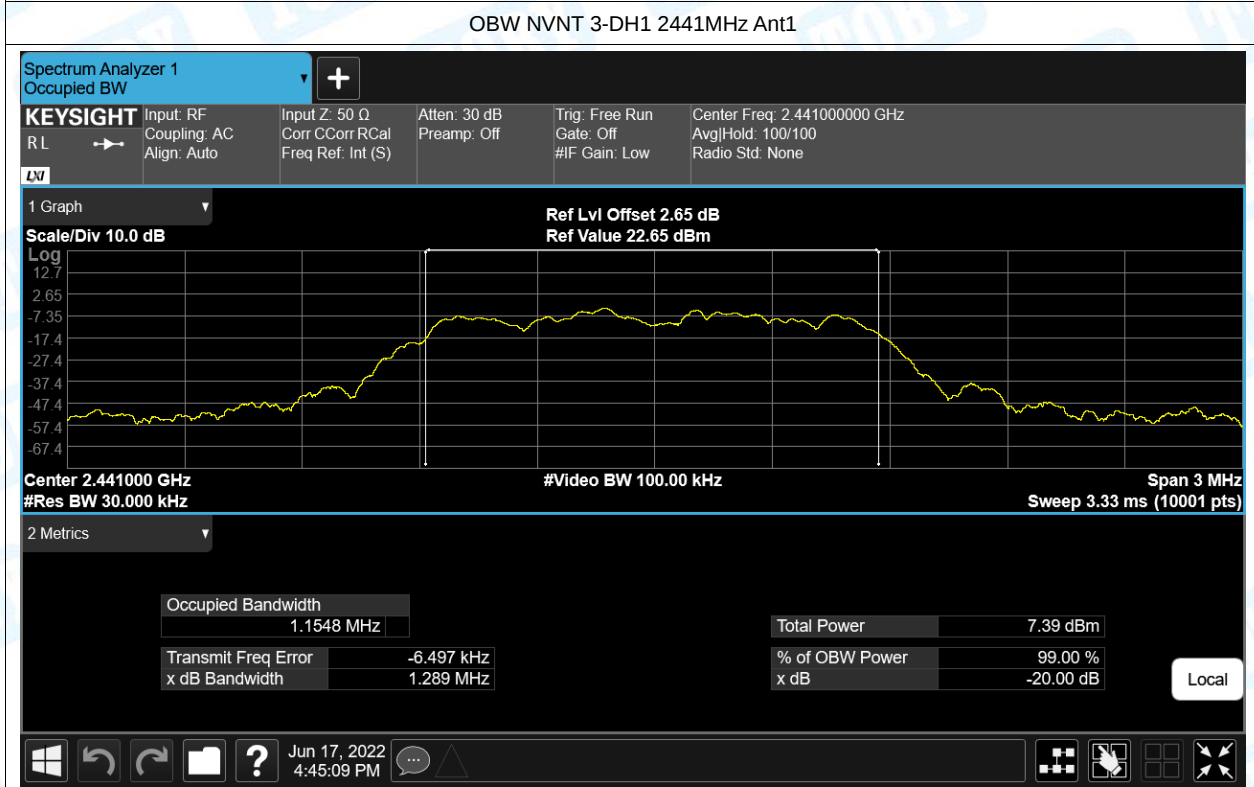
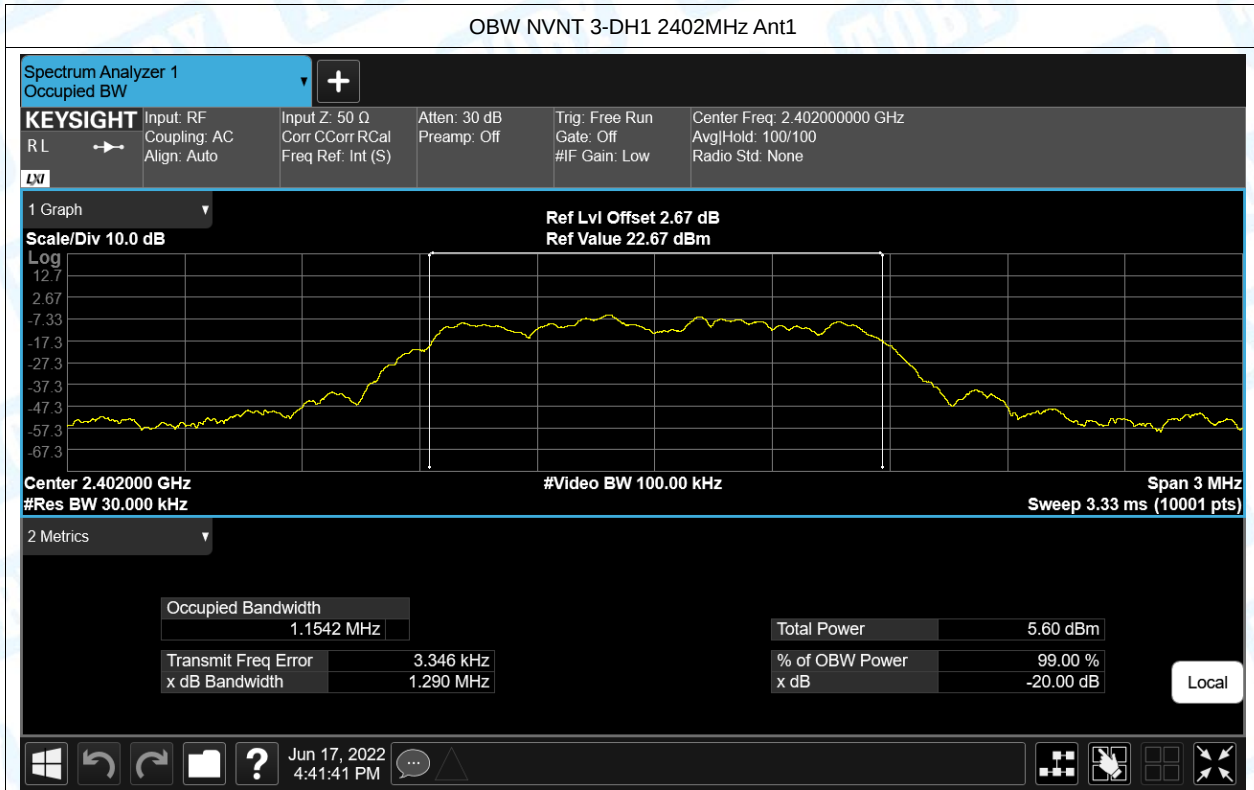
OBW NVNT 1-DH1 2480MHz Ant1

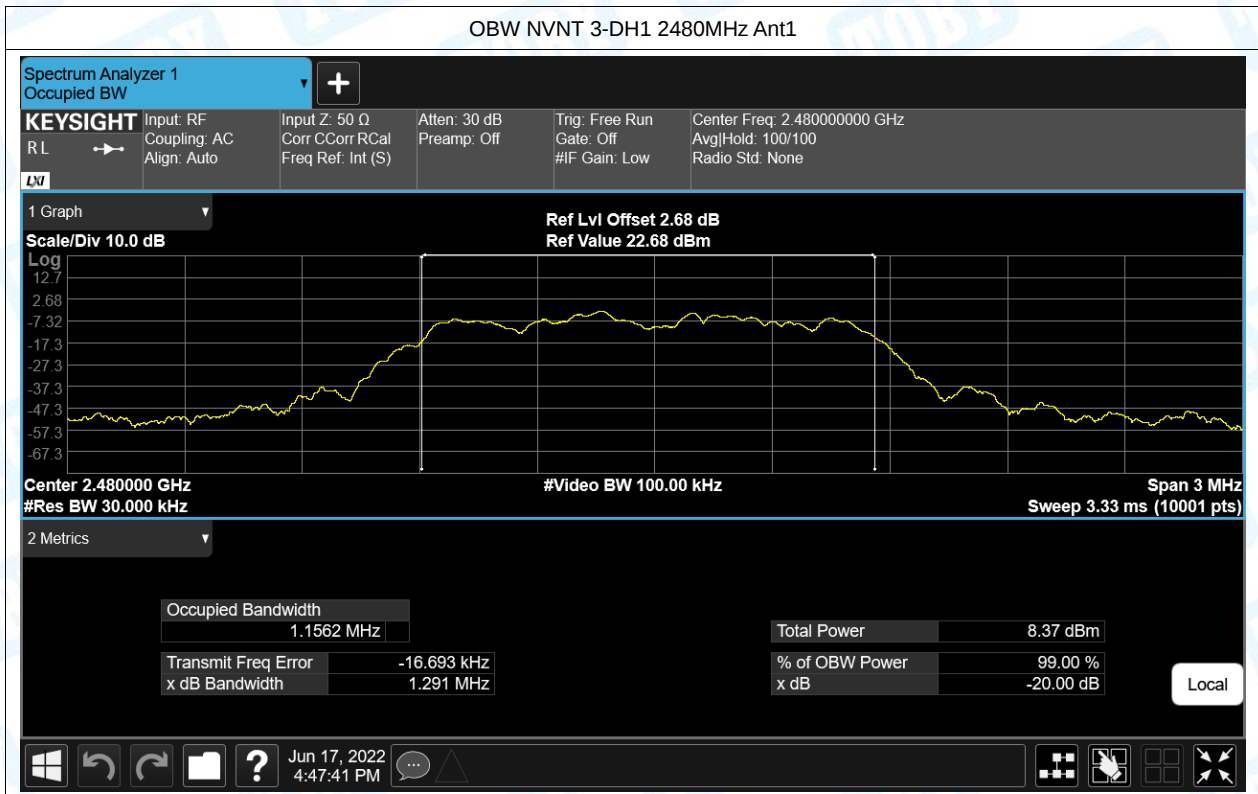


OBW NVNT 2-DH1 2402MHz Ant1



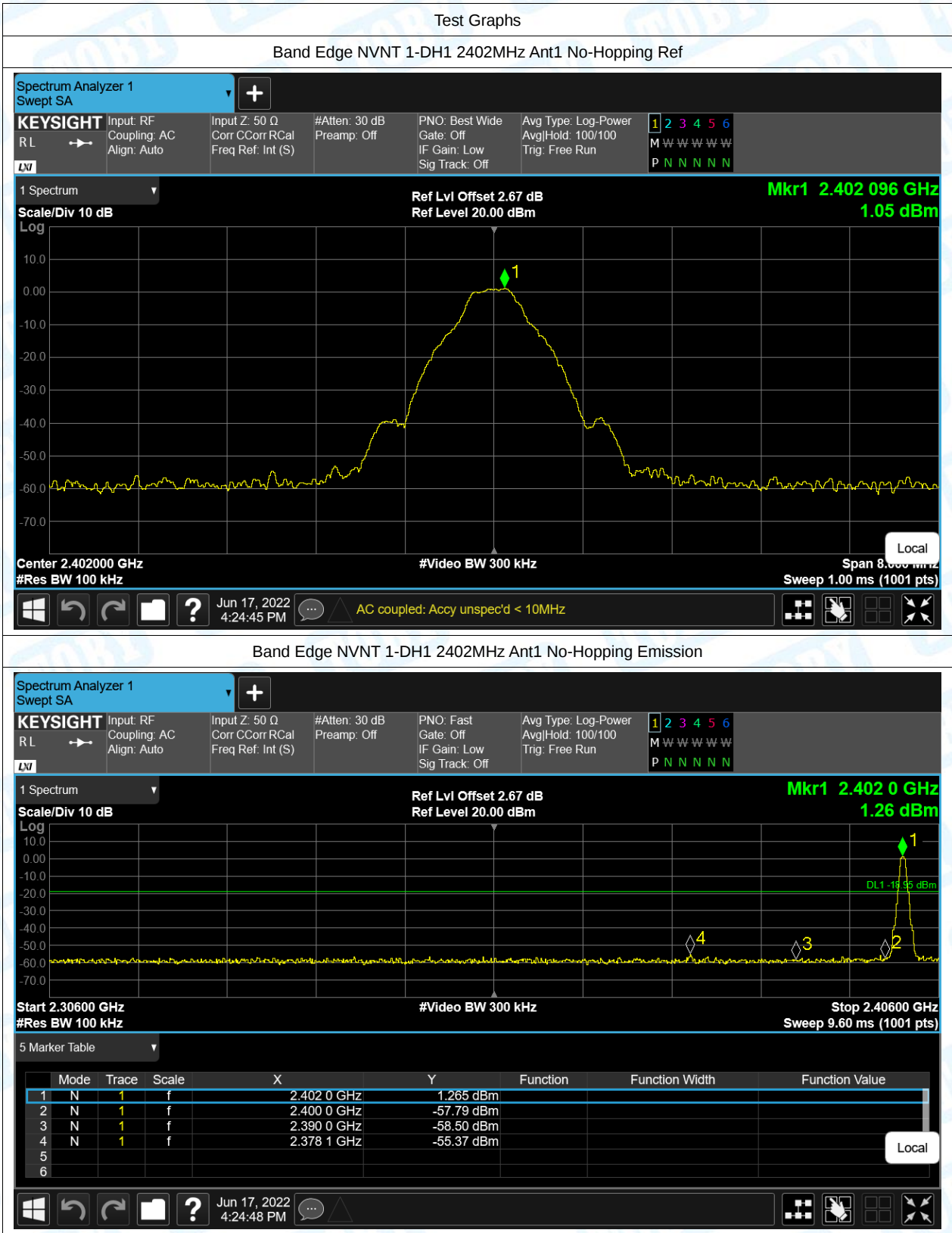


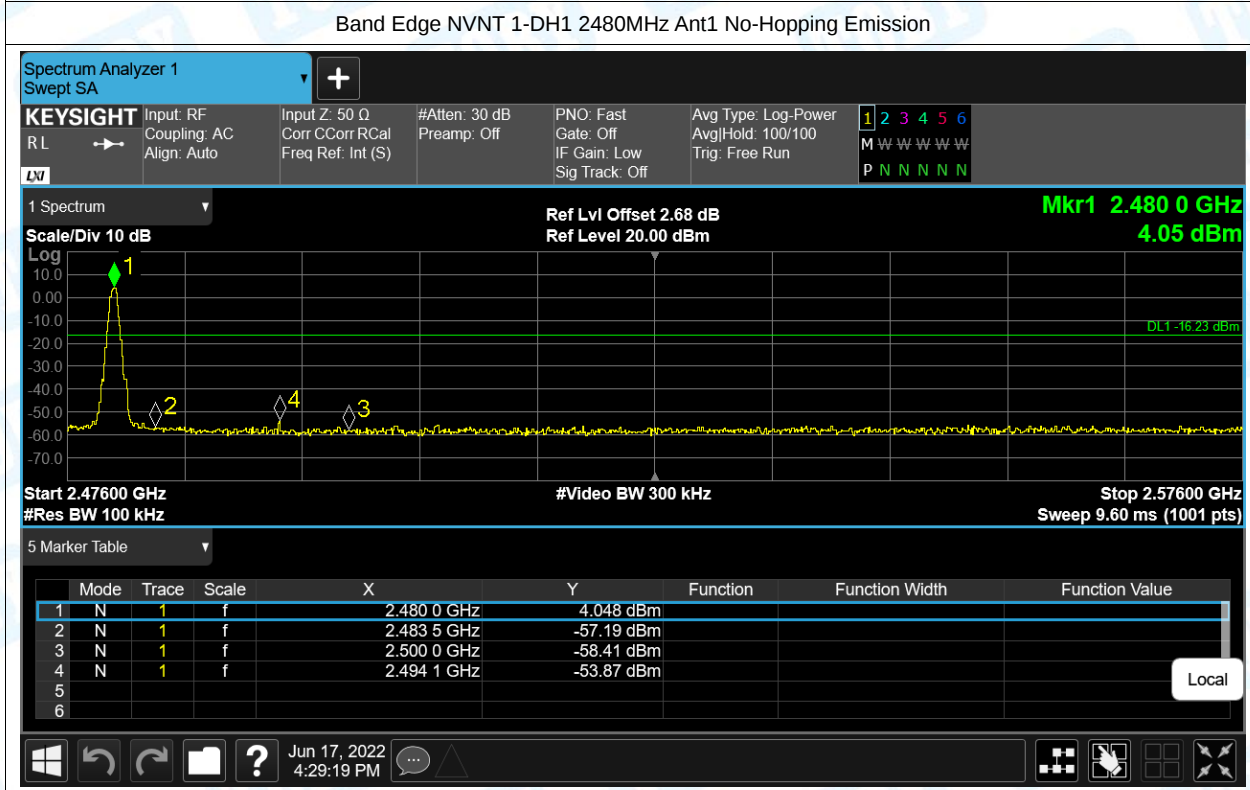
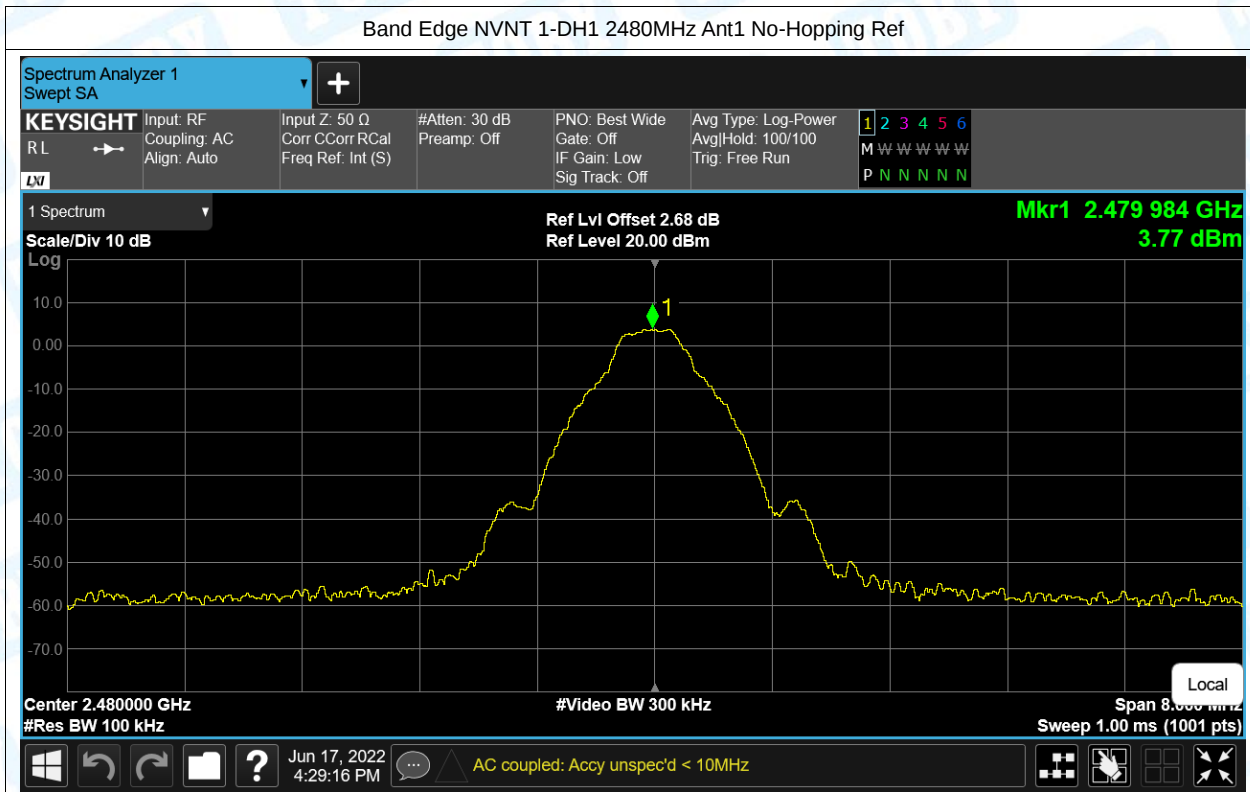


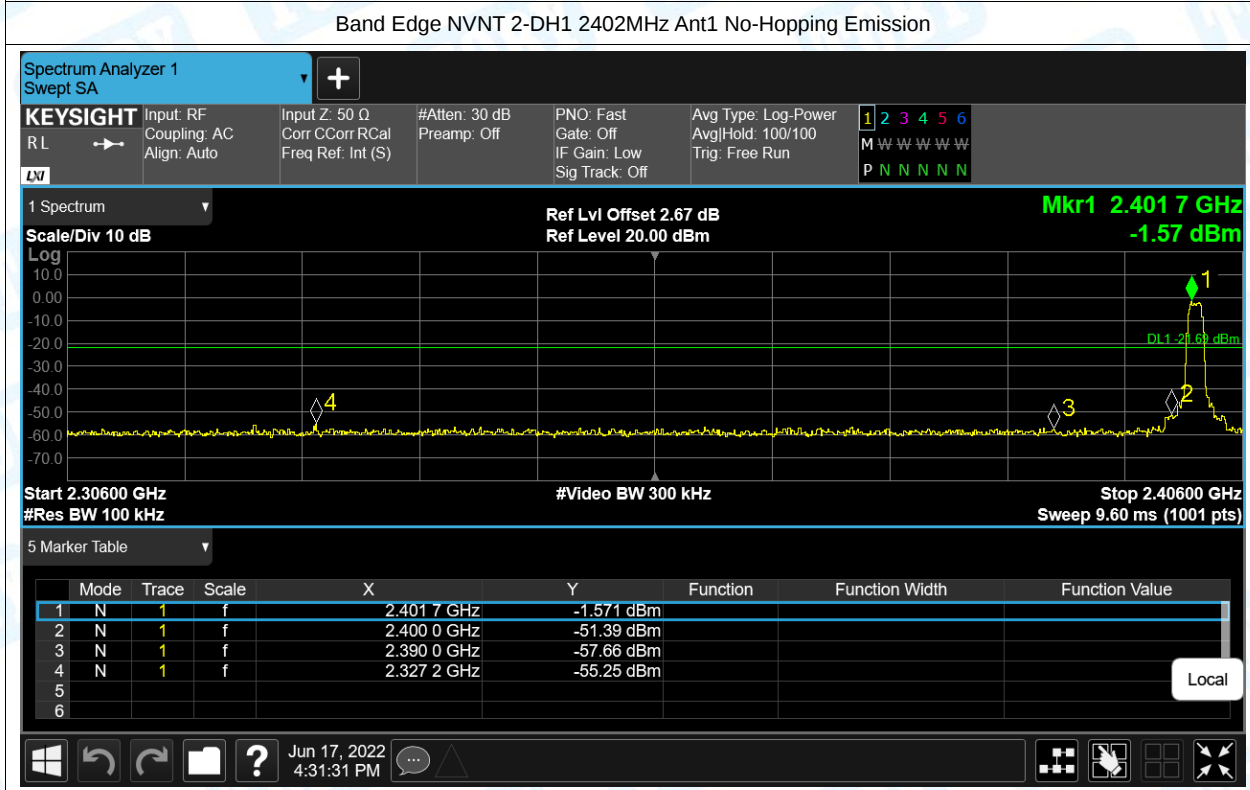
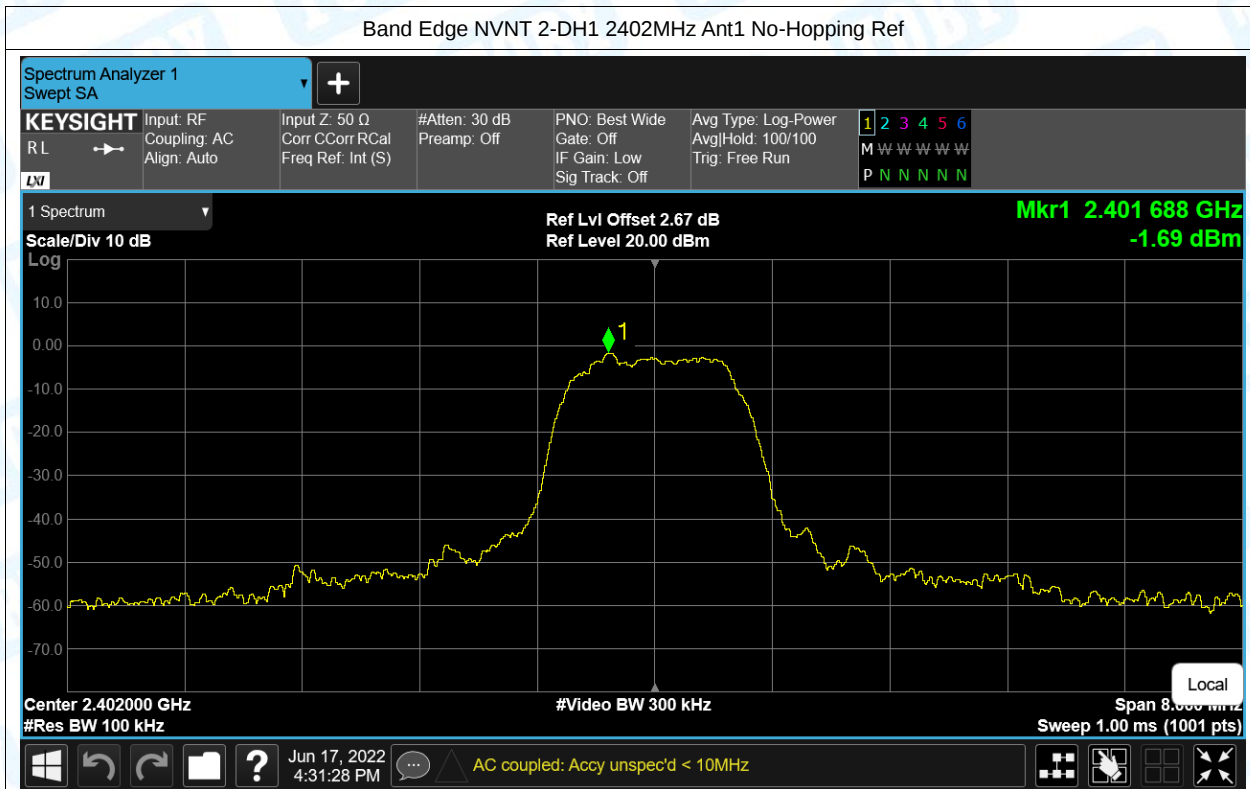


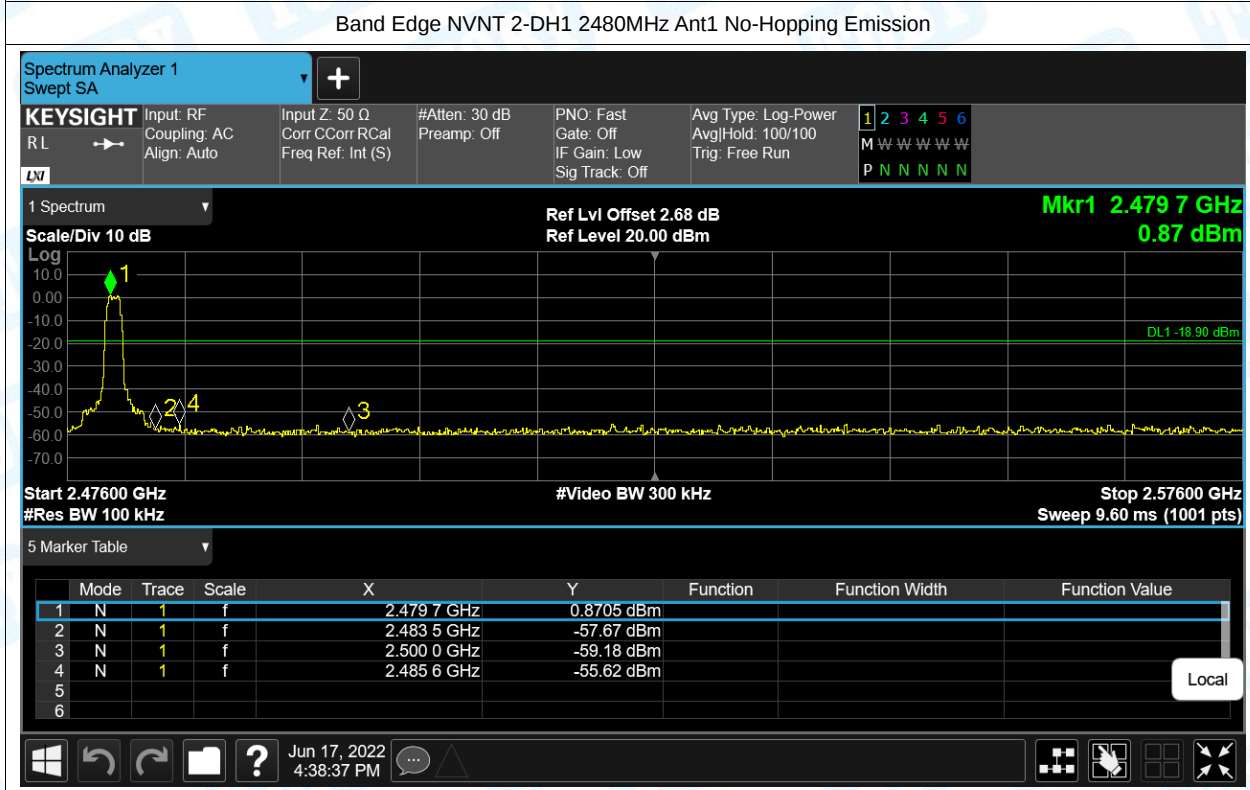
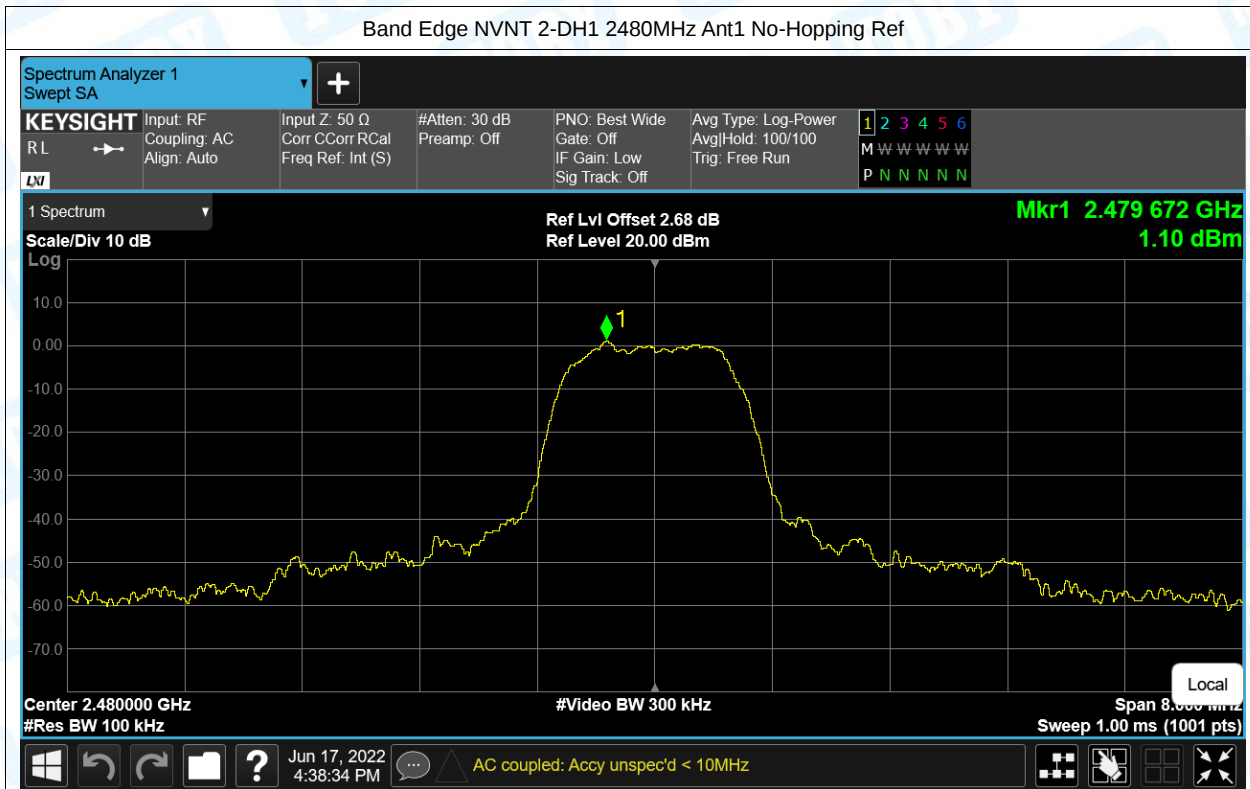
5. Band Edge

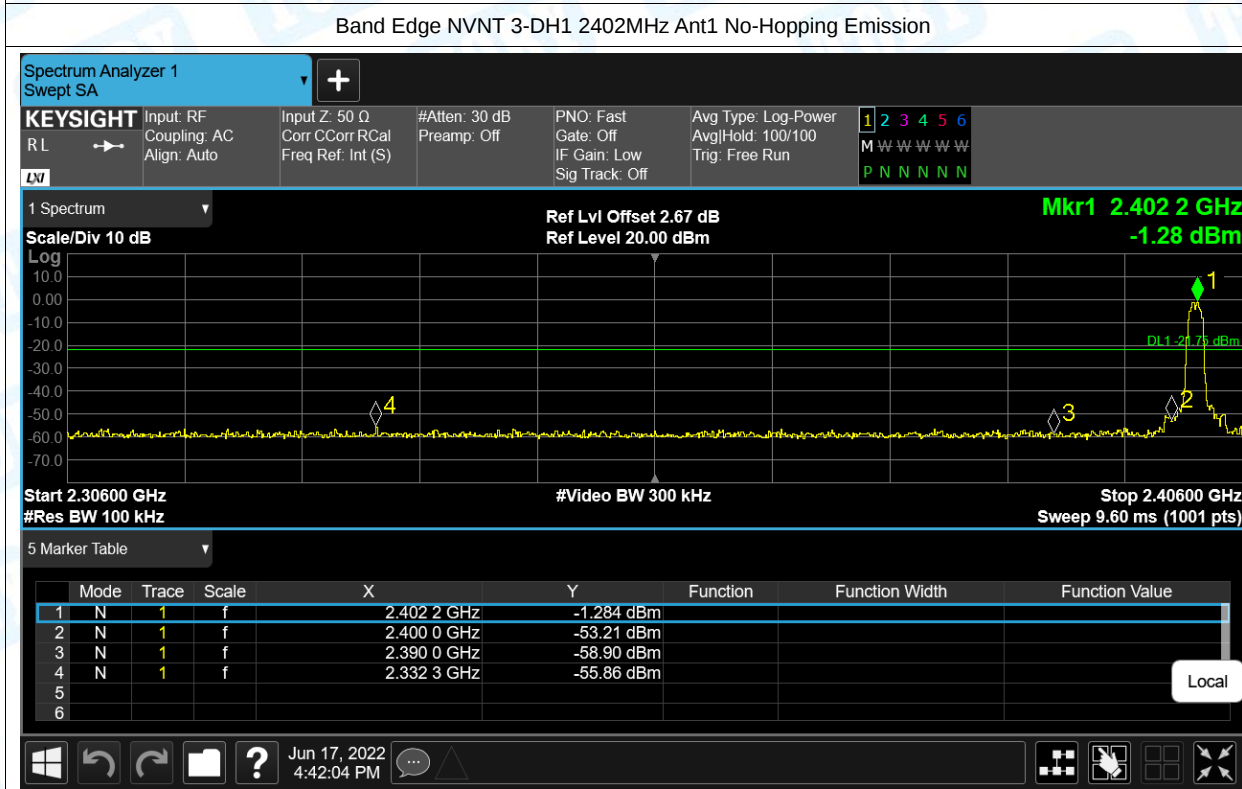
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-56.42	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-57.64	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-53.56	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-56.72	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-54.11	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-56.18	-20	Pass

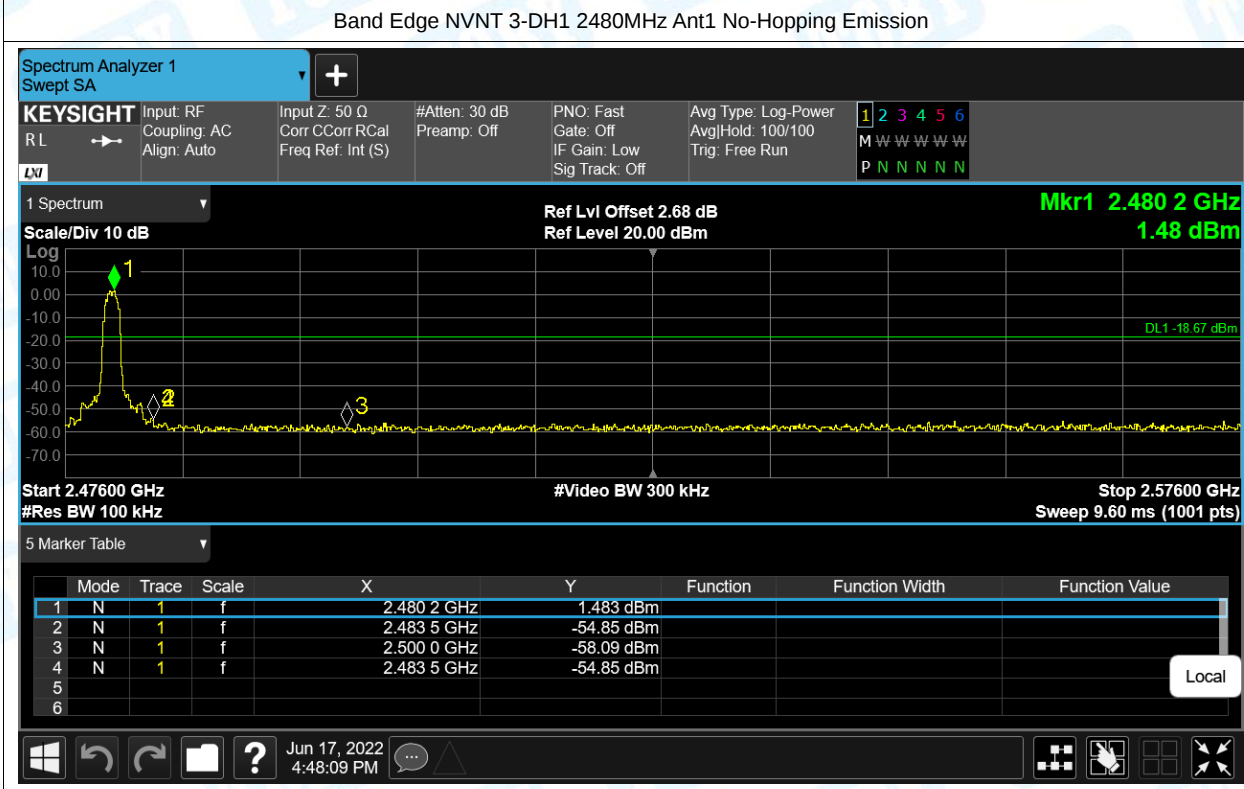






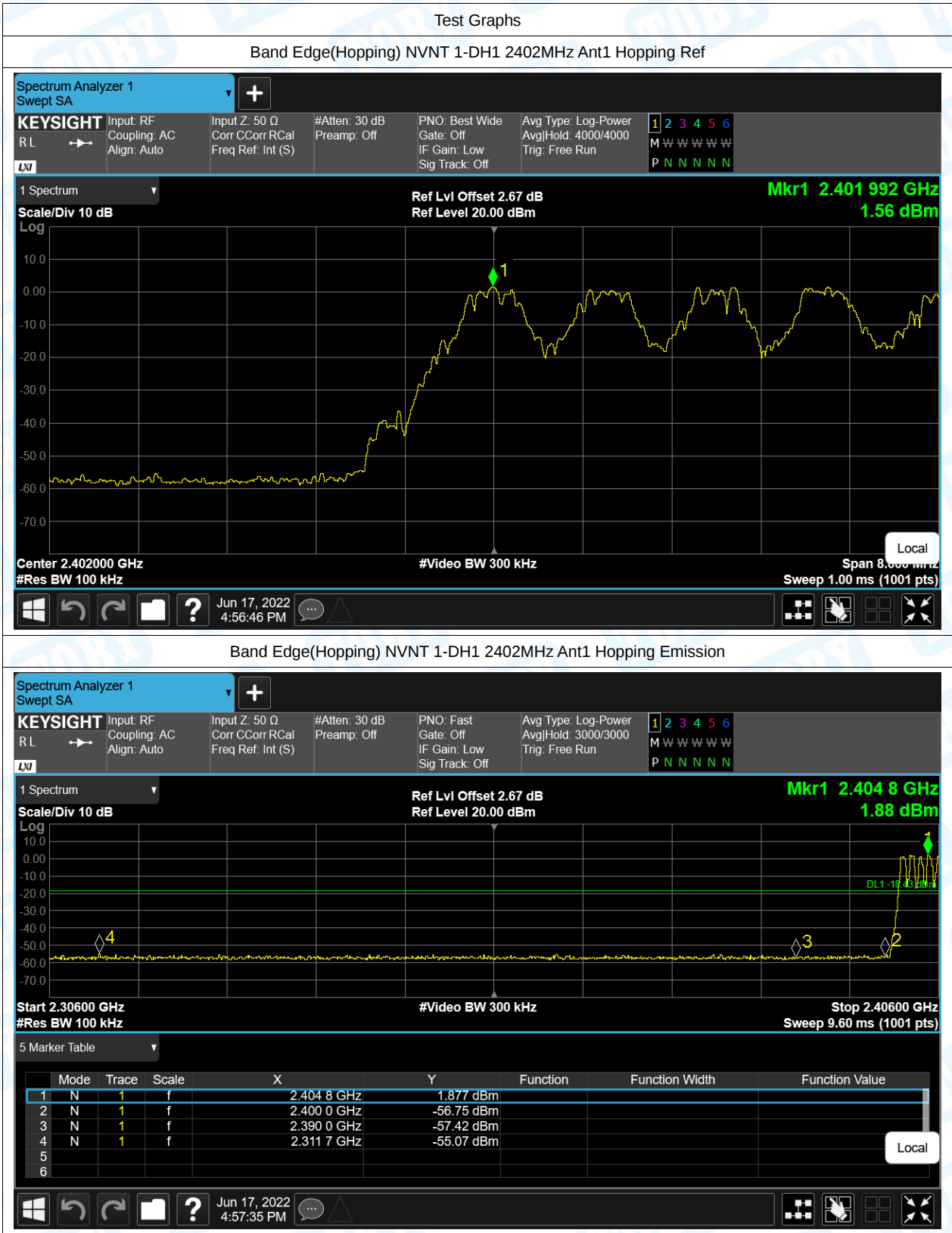


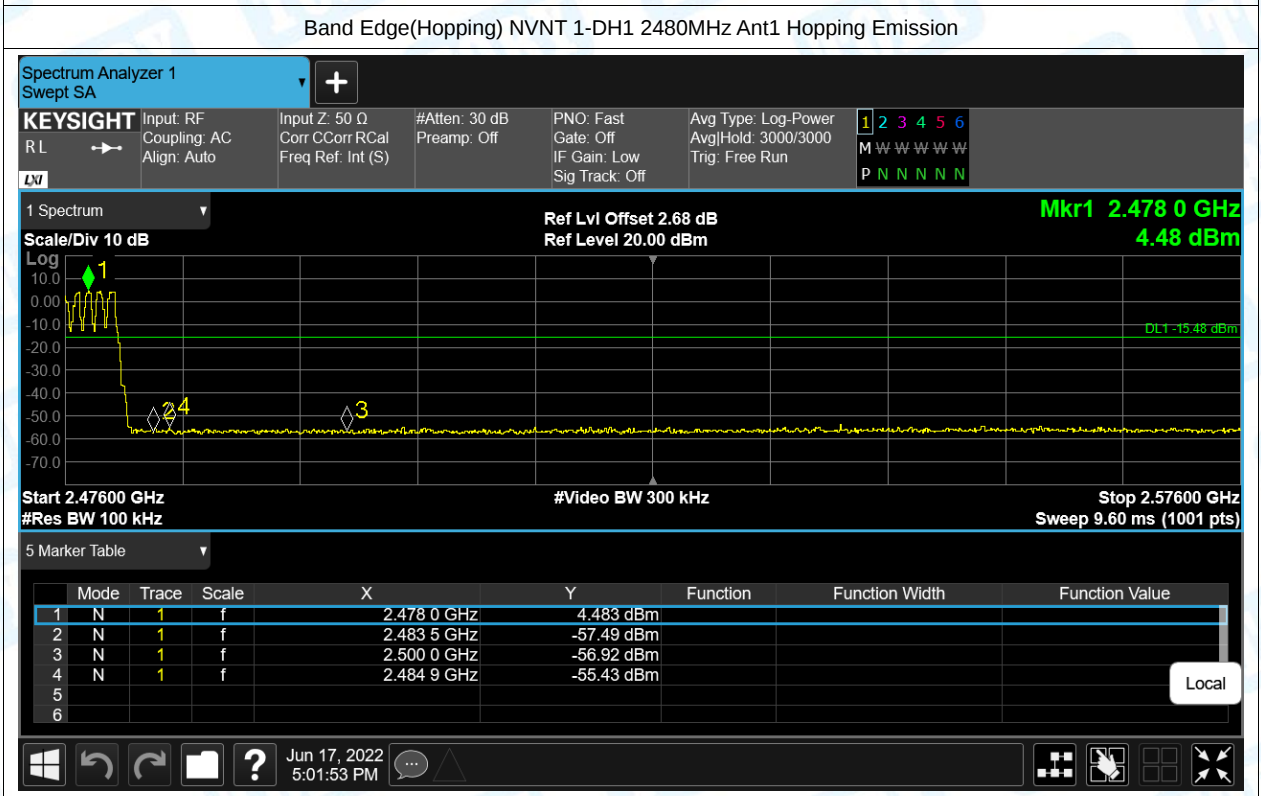
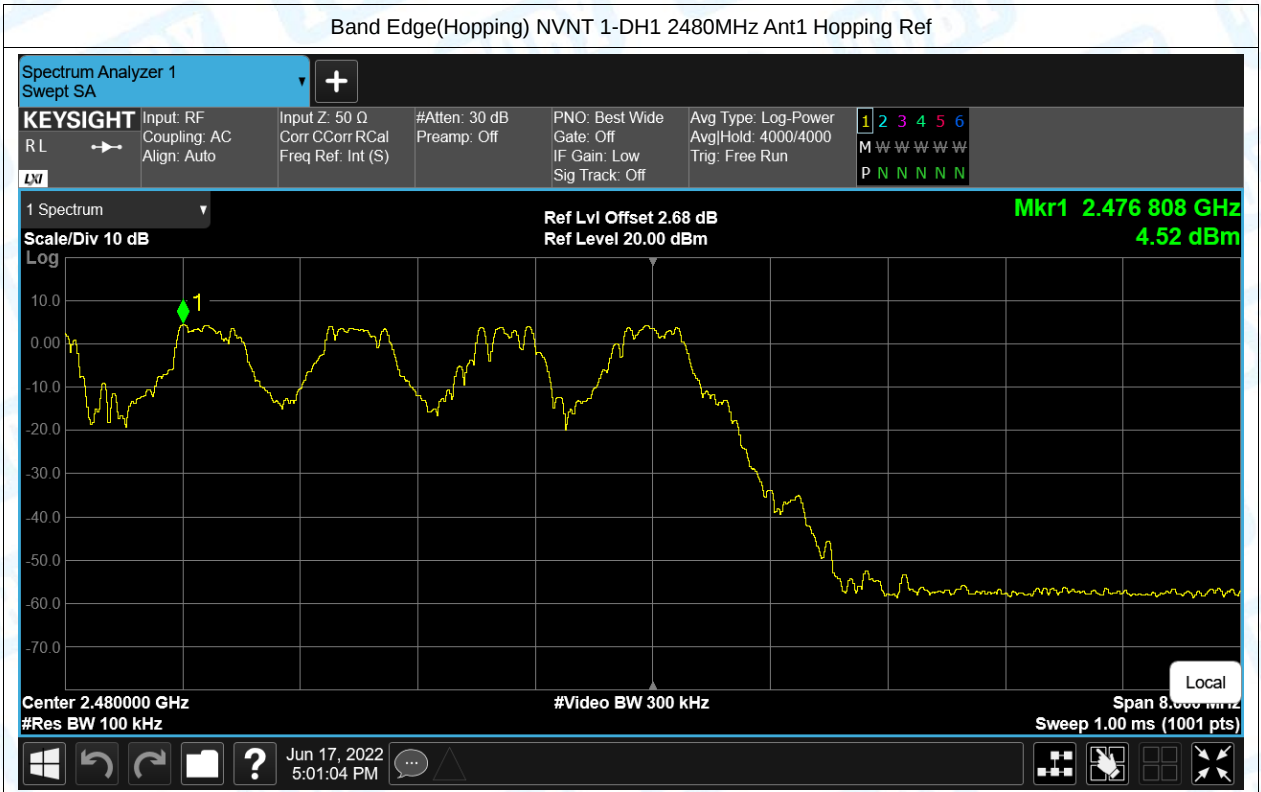


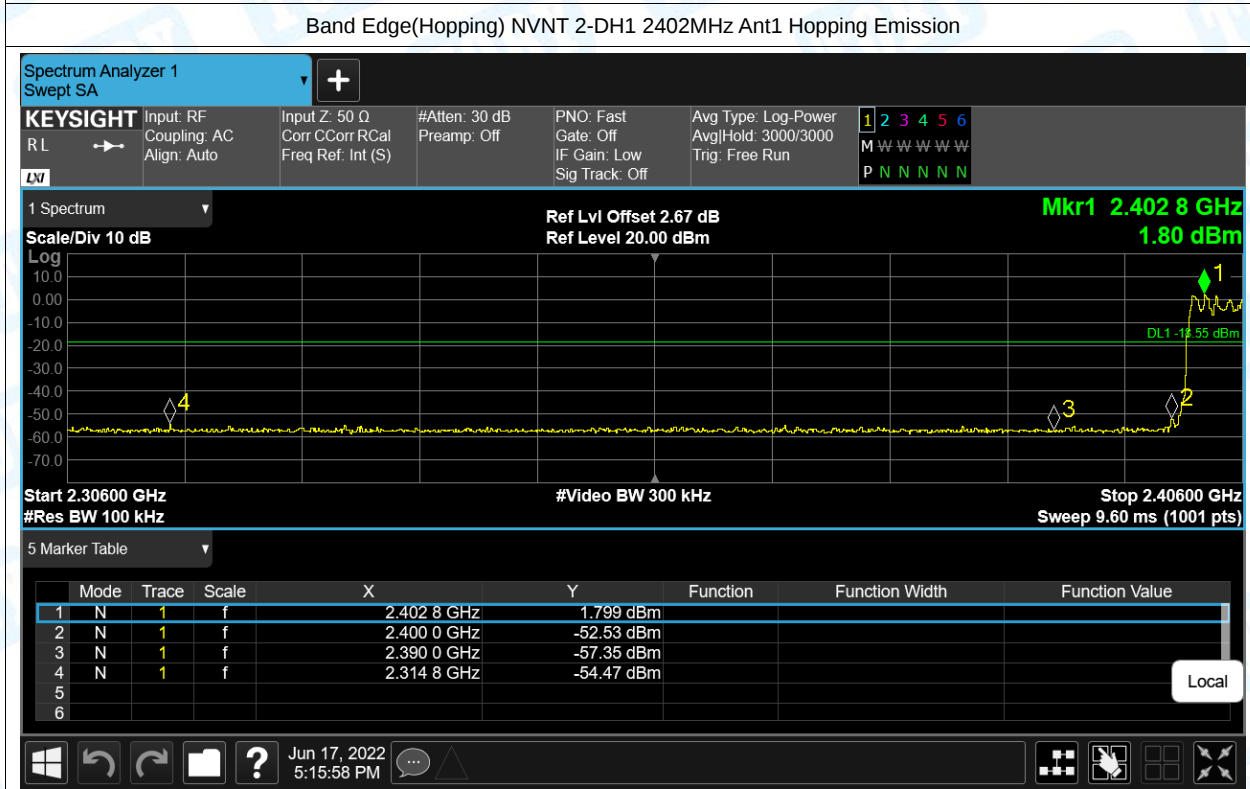
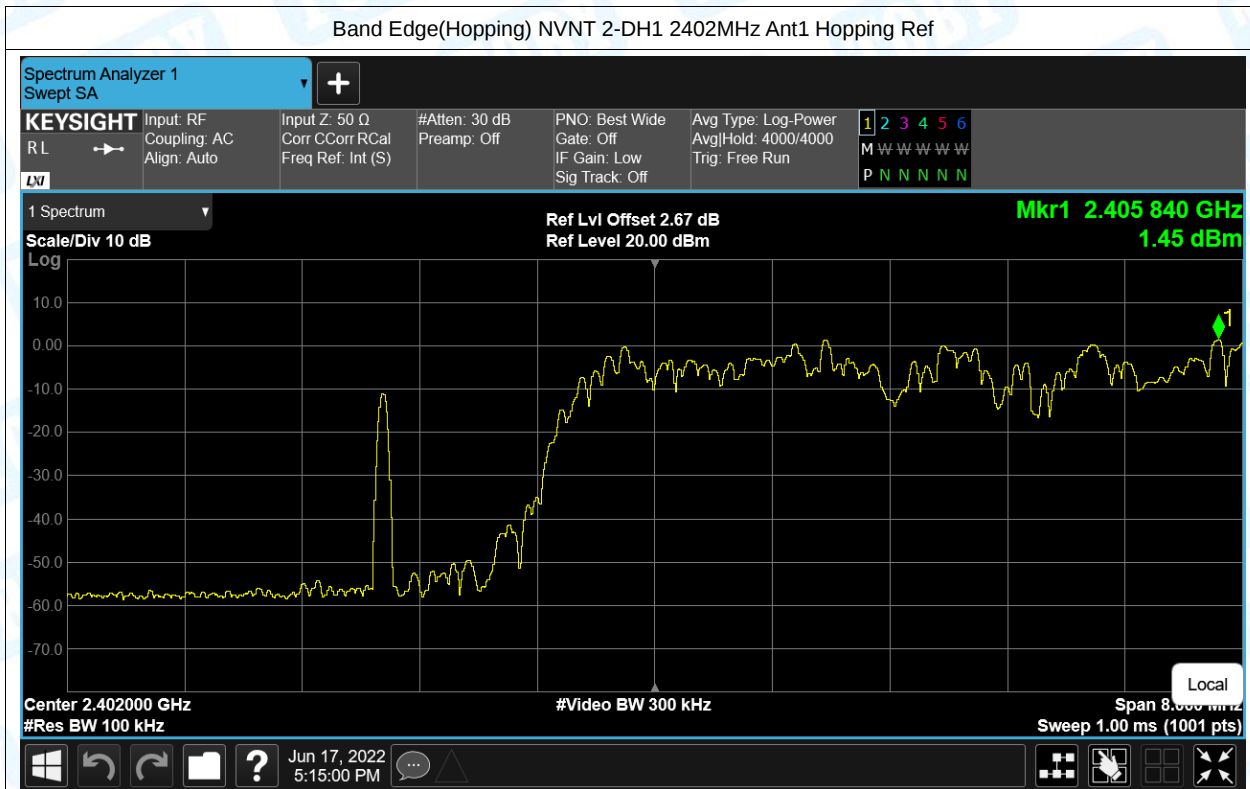


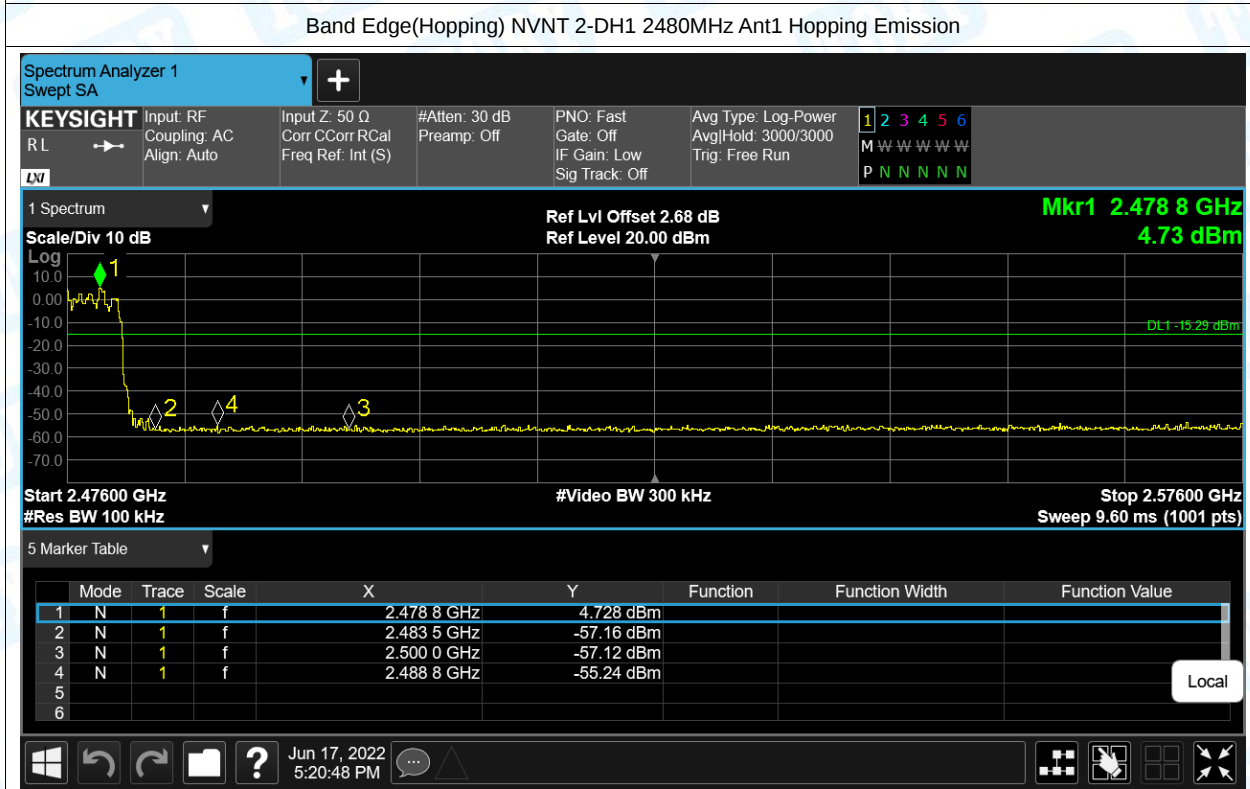
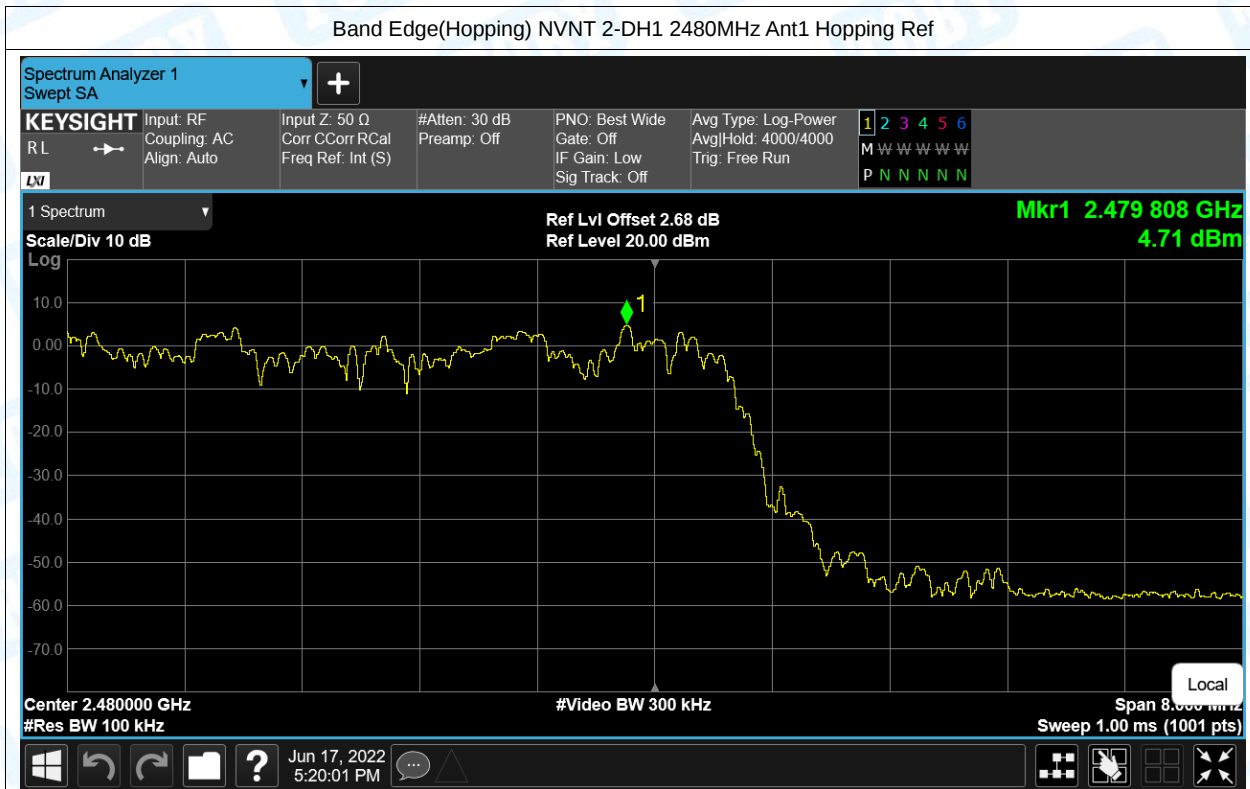
6. Band Edge(Hopping)

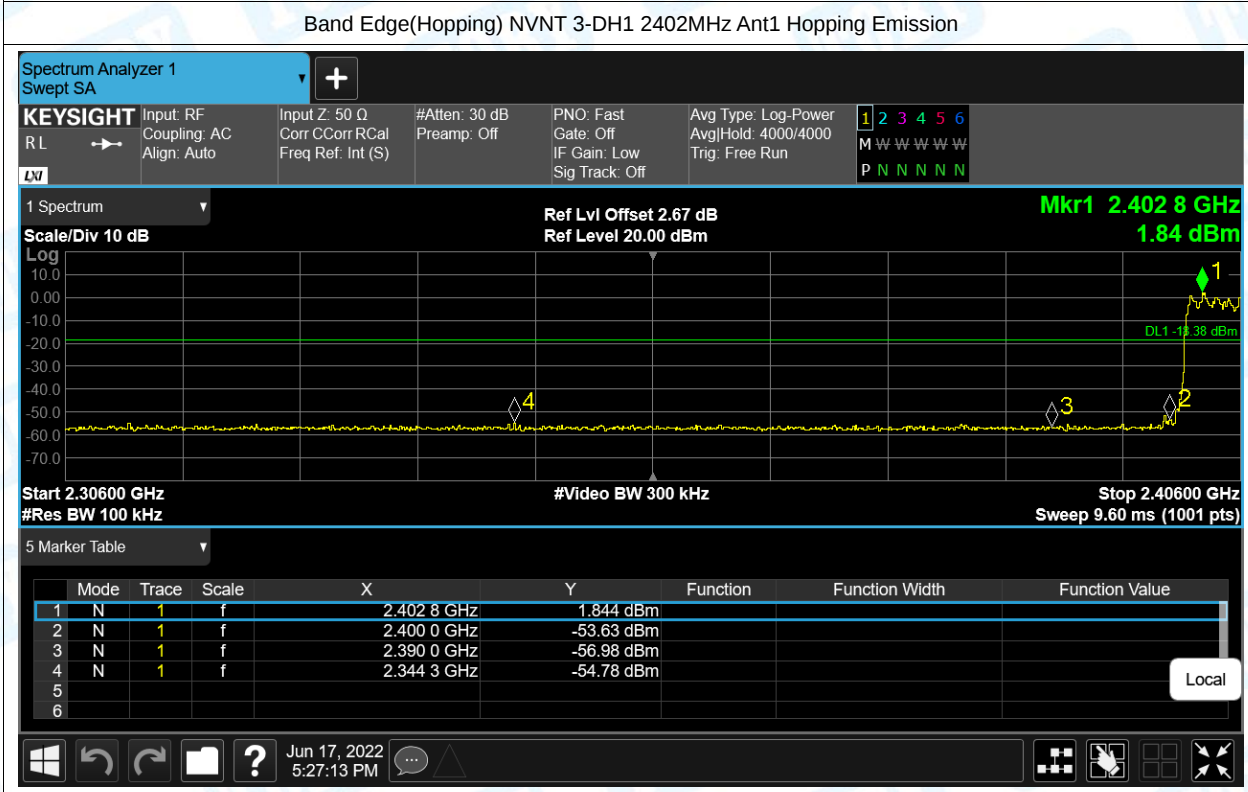
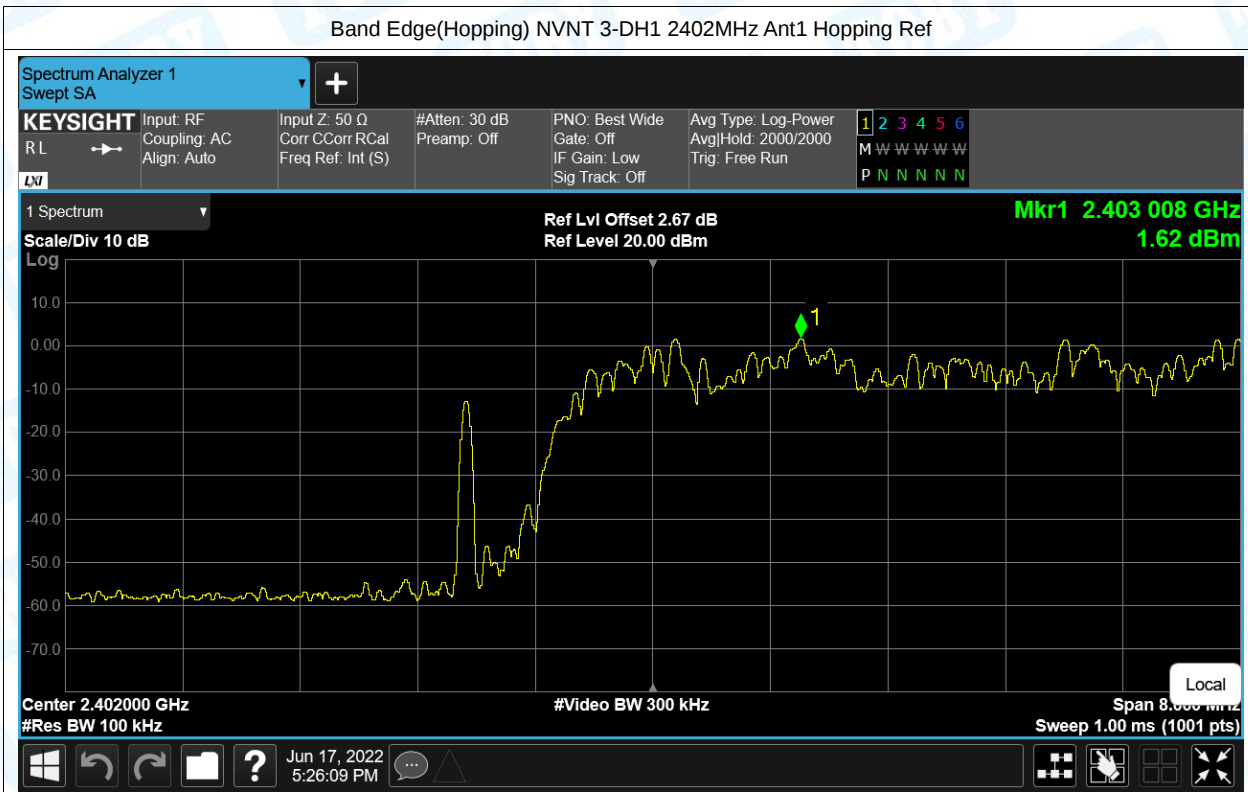
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-56.64	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-59.95	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-55.92	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-59.95	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-56.4	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-59.37	-20	Pass

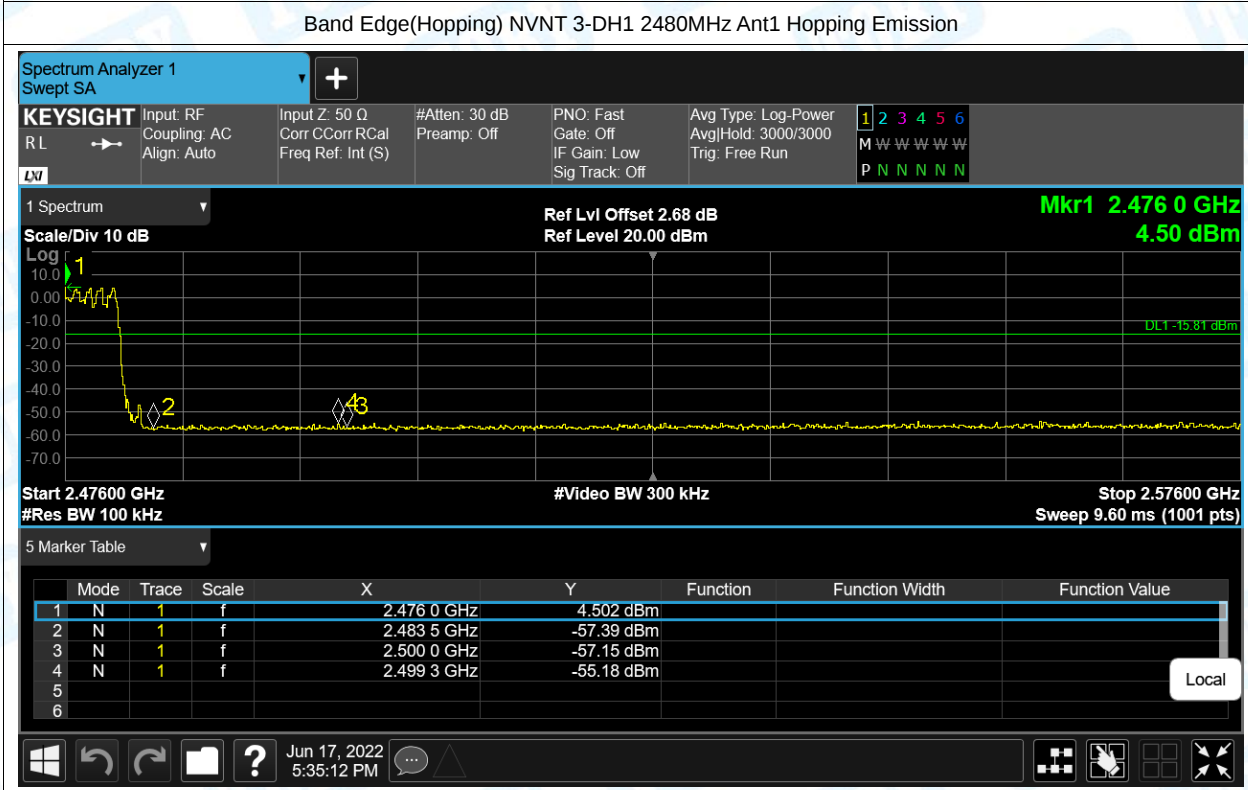
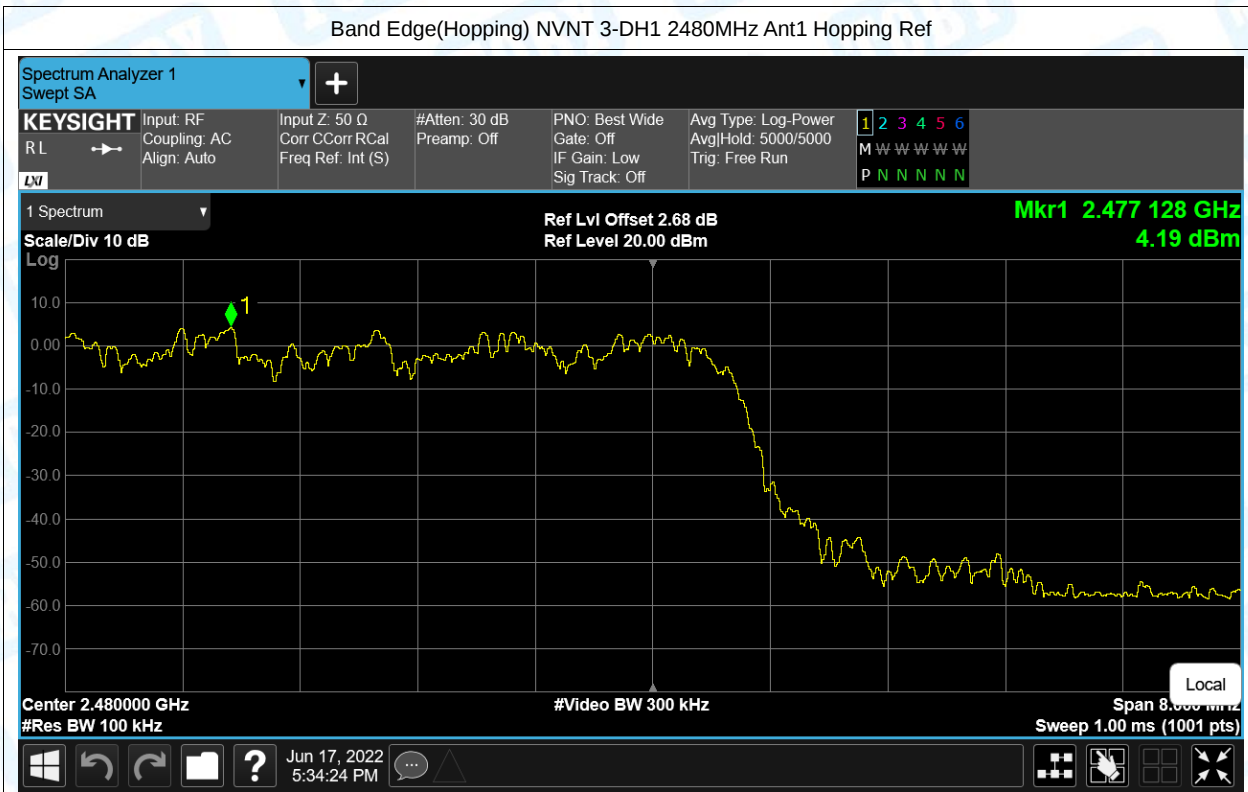












7. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-51.91	-20	Pass
NVNT	1-DH1	2441	Ant1	-52.01	-20	Pass
NVNT	1-DH1	2480	Ant1	-53.74	-20	Pass
NVNT	2-DH1	2402	Ant1	-49.88	-20	Pass
NVNT	2-DH1	2441	Ant1	-51.46	-20	Pass
NVNT	2-DH1	2480	Ant1	-52.51	-20	Pass
NVNT	3-DH1	2402	Ant1	-50.02	-20	Pass
NVNT	3-DH1	2441	Ant1	-50.48	-20	Pass
NVNT	3-DH1	2480	Ant1	-53.2	-20	Pass