

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

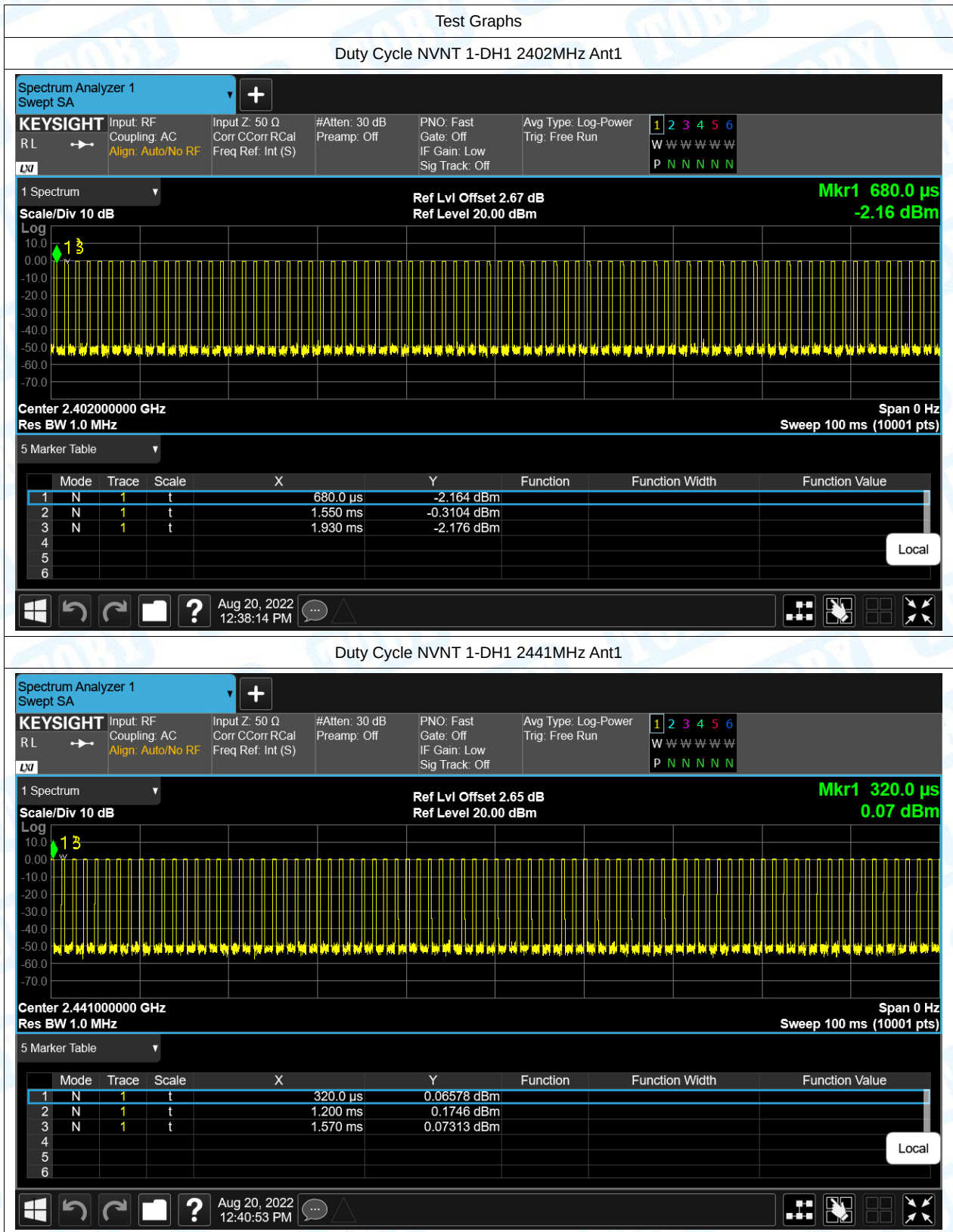
General Description of EUT	
Product Name:	GT3 MAX
Test Model:	GT3 MAX
Sample ID:	202208-0162-4-2#
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 3.7V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202208-0162-61	

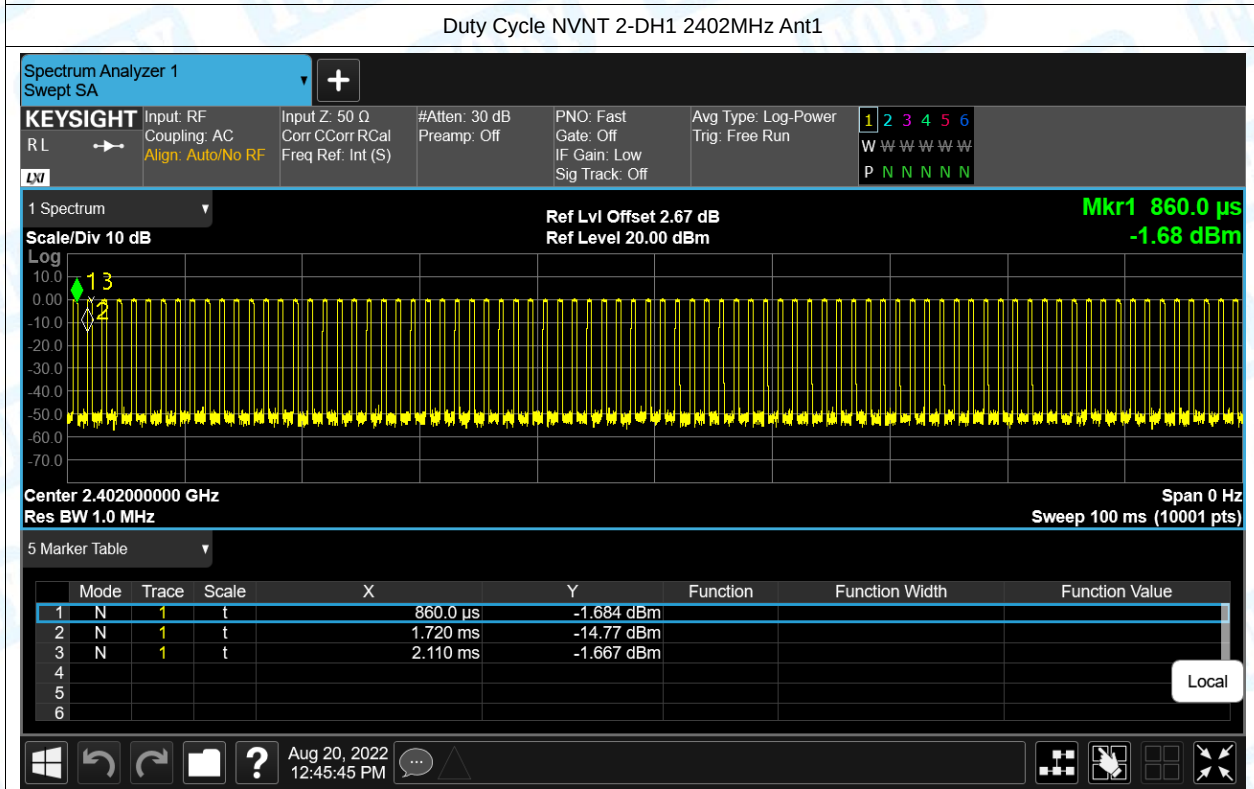
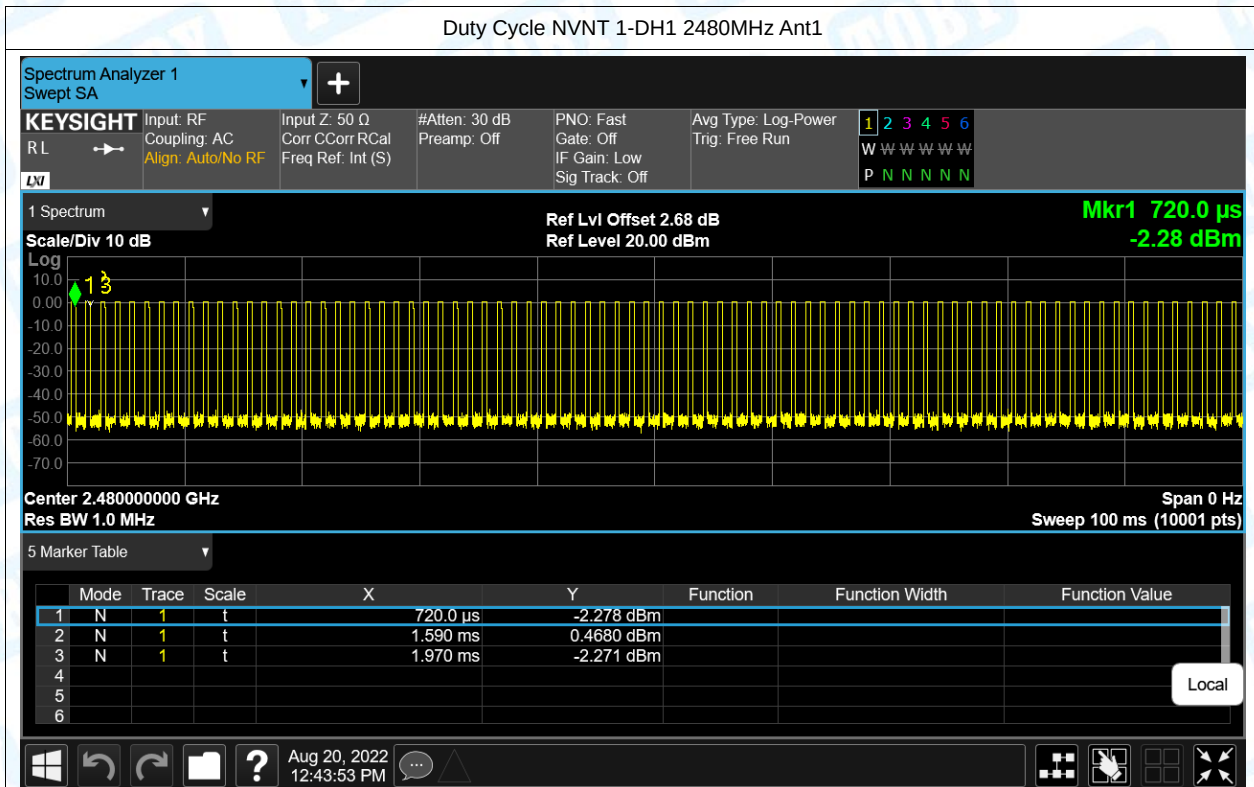
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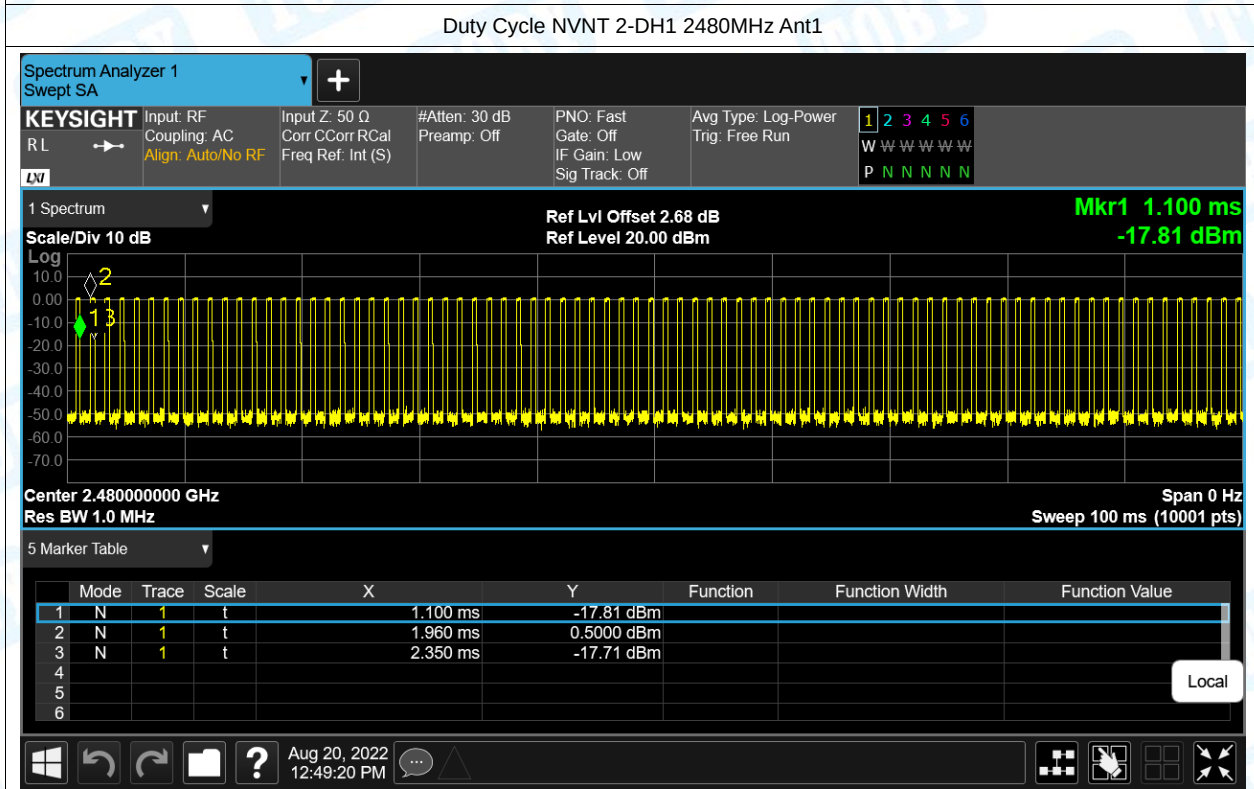
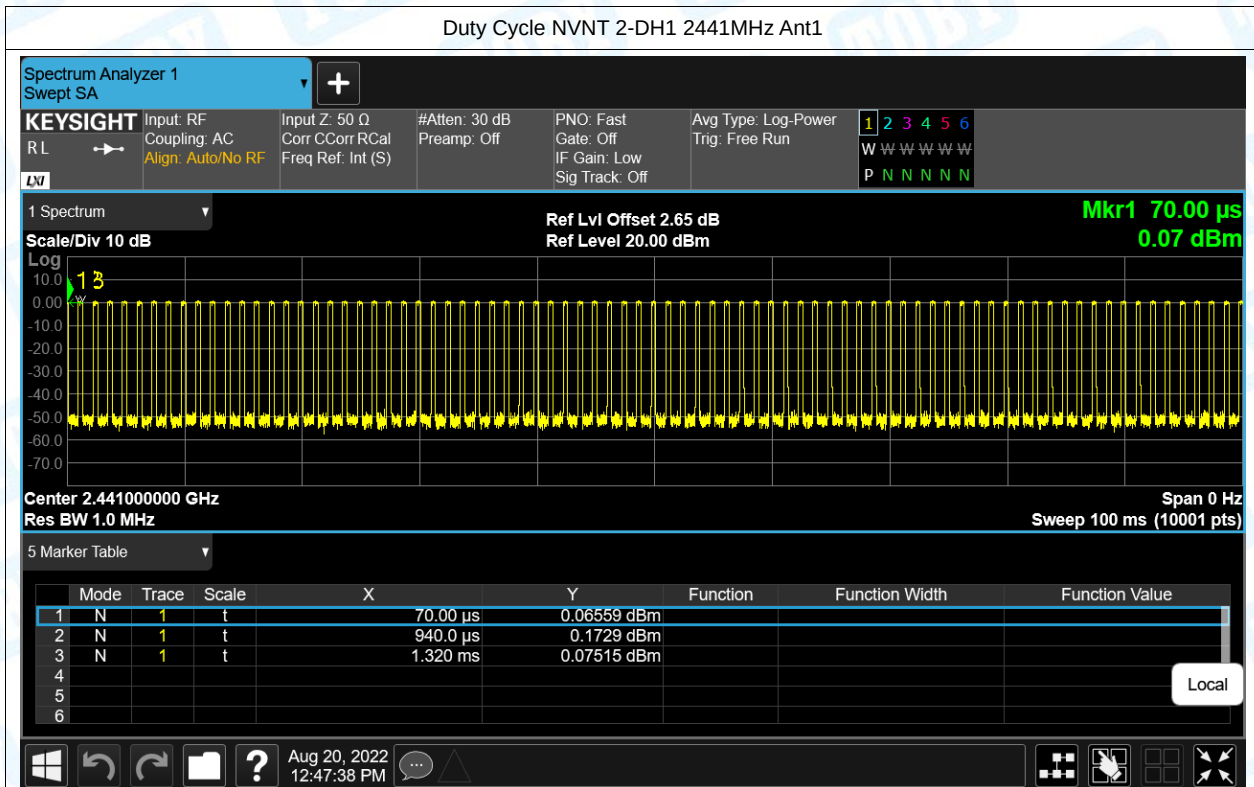
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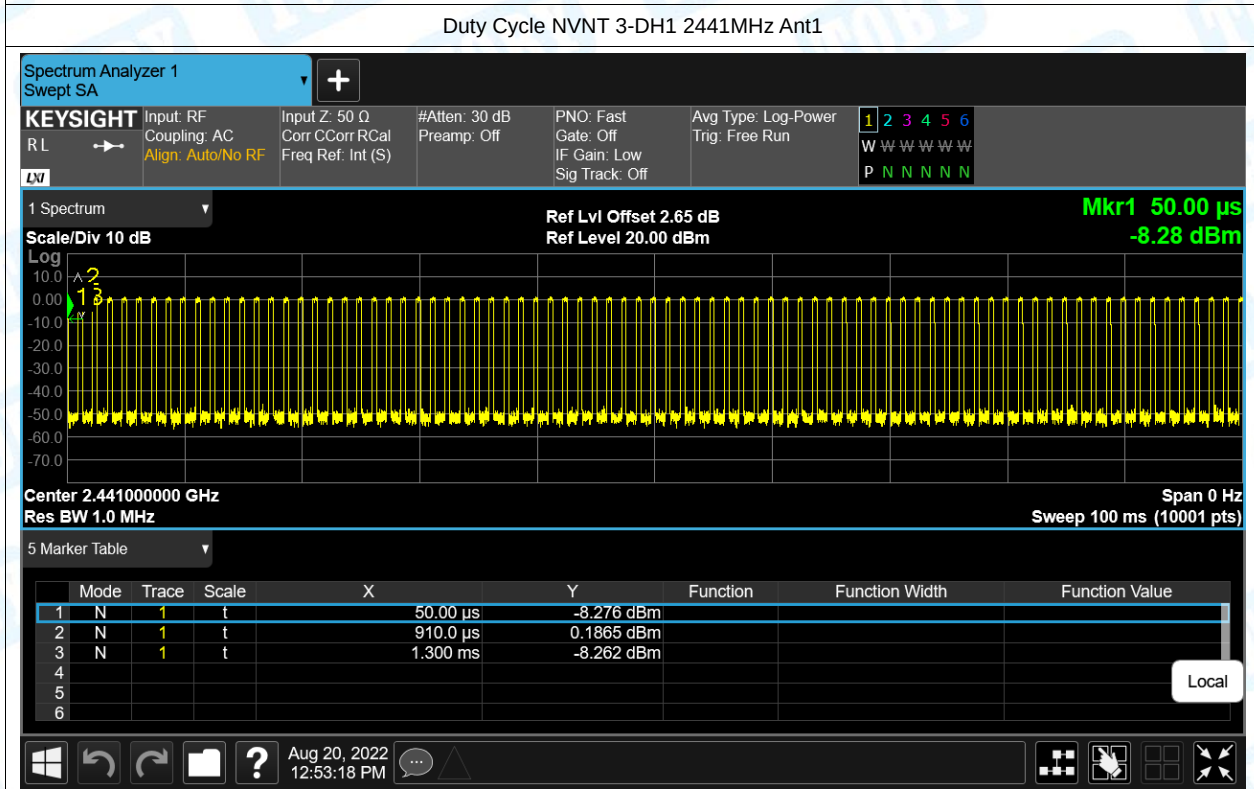
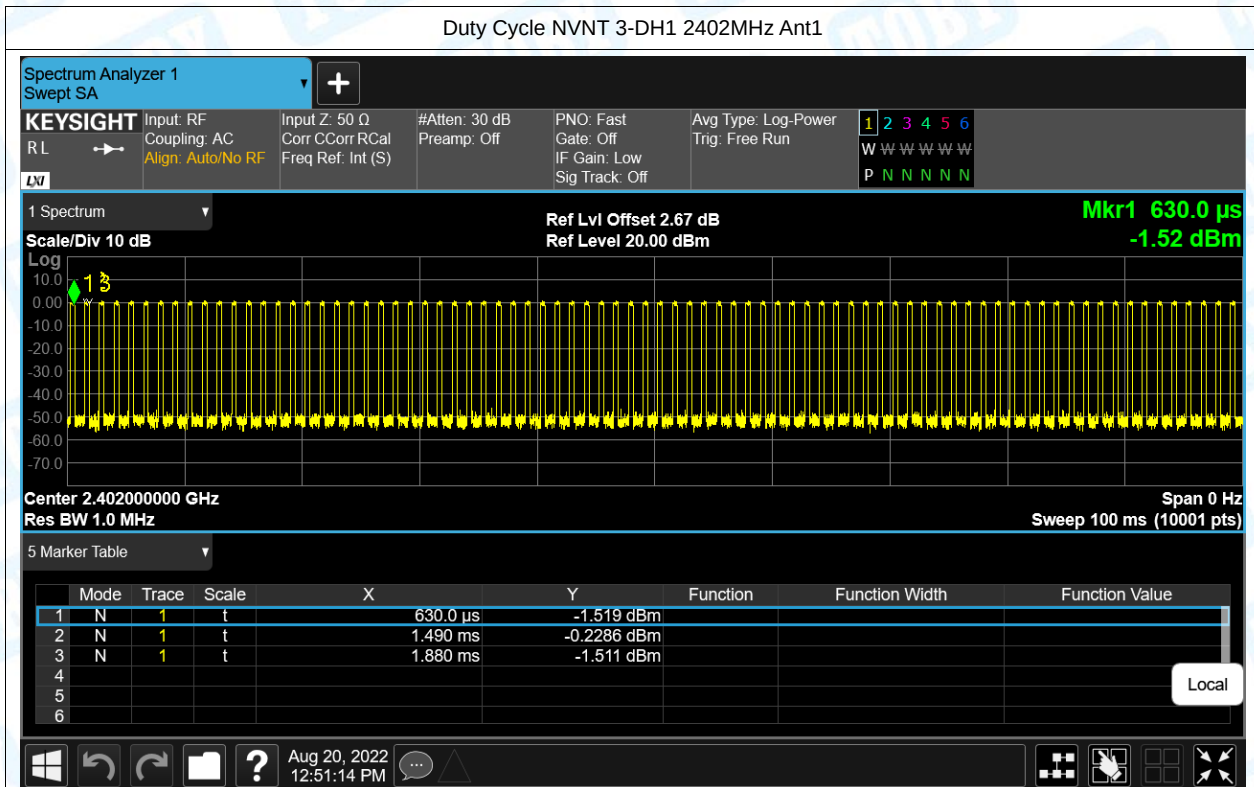
1. Duty Cycle

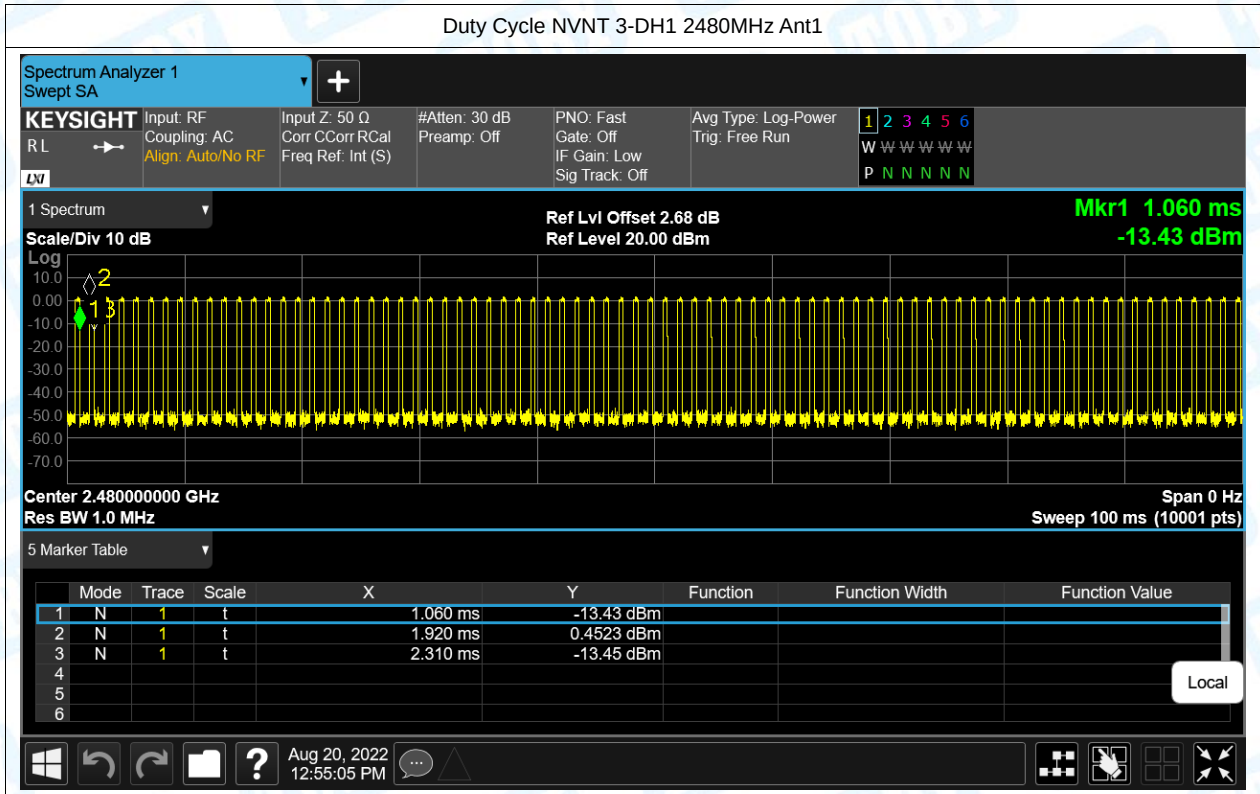
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH1	2402	Ant1	30.4	5.17	2.63
NVNT	1-DH1	2441	Ant1	29.6	5.29	2.7
NVNT	1-DH1	2480	Ant1	30.4	5.17	2.63
NVNT	2-DH1	2402	Ant1	31.2	5.06	2.56
NVNT	2-DH1	2441	Ant1	30.4	5.17	2.63
NVNT	2-DH1	2480	Ant1	31.2	5.06	2.56
NVNT	3-DH1	2402	Ant1	31.2	5.06	2.56
NVNT	3-DH1	2441	Ant1	31.2	5.06	2.56
NVNT	3-DH1	2480	Ant1	31.2	5.06	2.56









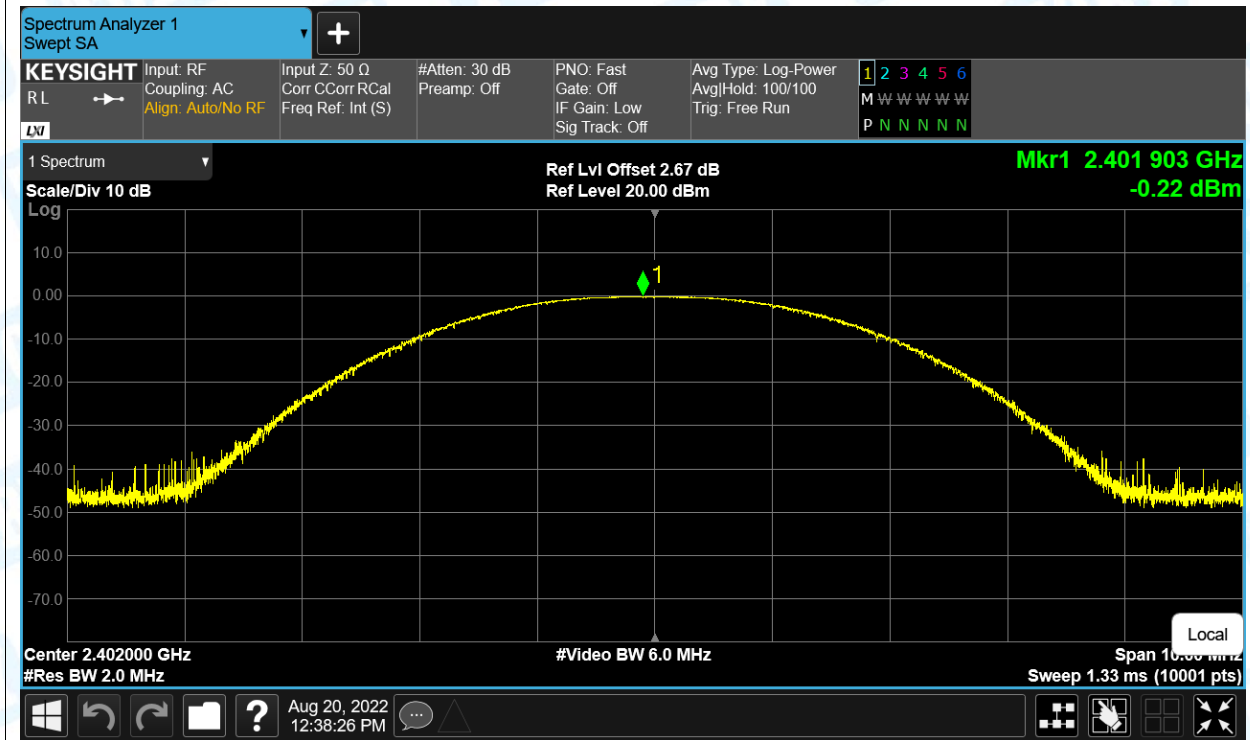


2. Maximum Conducted Output Power

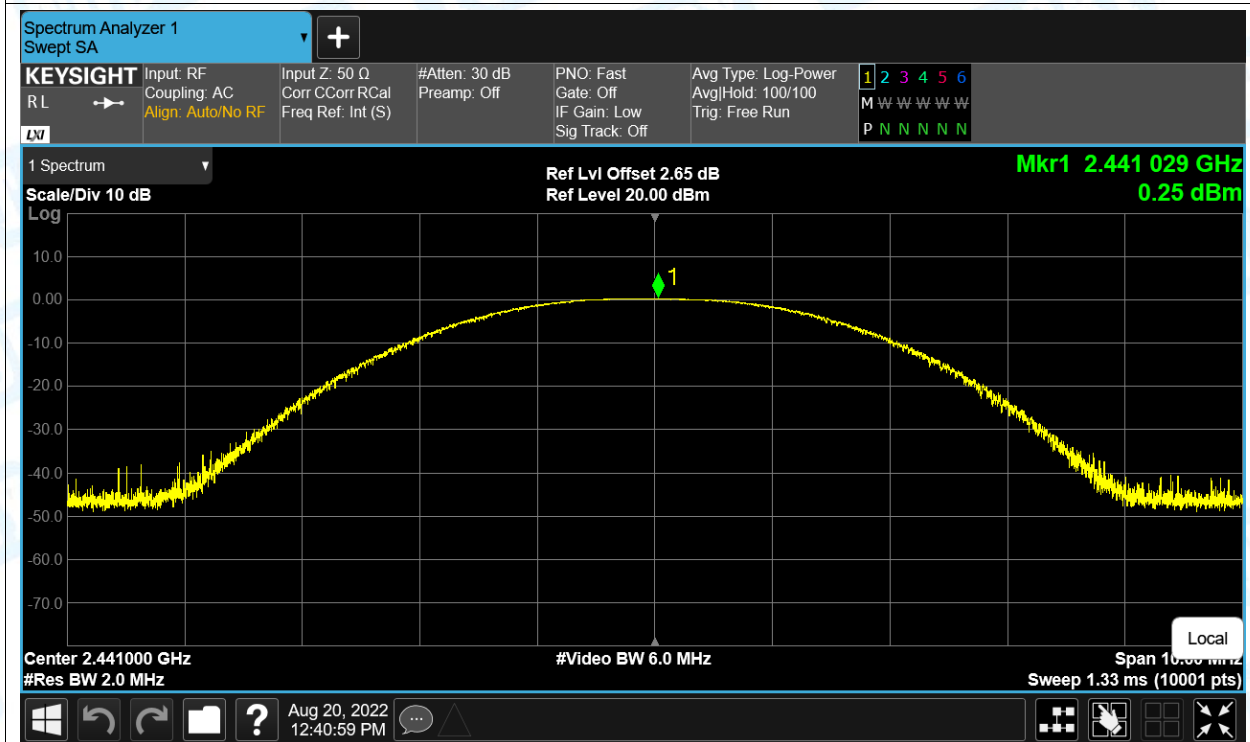
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	-0.221	21	Pass
NVNT	1-DH1	2441	Ant1	0.249	21	Pass
NVNT	1-DH1	2480	Ant1	0.56	21	Pass
NVNT	2-DH1	2402	Ant1	0.662	21	Pass
NVNT	2-DH1	2441	Ant1	1.087	21	Pass
NVNT	2-DH1	2480	Ant1	1.375	21	Pass
NVNT	3-DH1	2402	Ant1	1.285	21	Pass
NVNT	3-DH1	2441	Ant1	1.679	21	Pass
NVNT	3-DH1	2480	Ant1	1.951	21	Pass

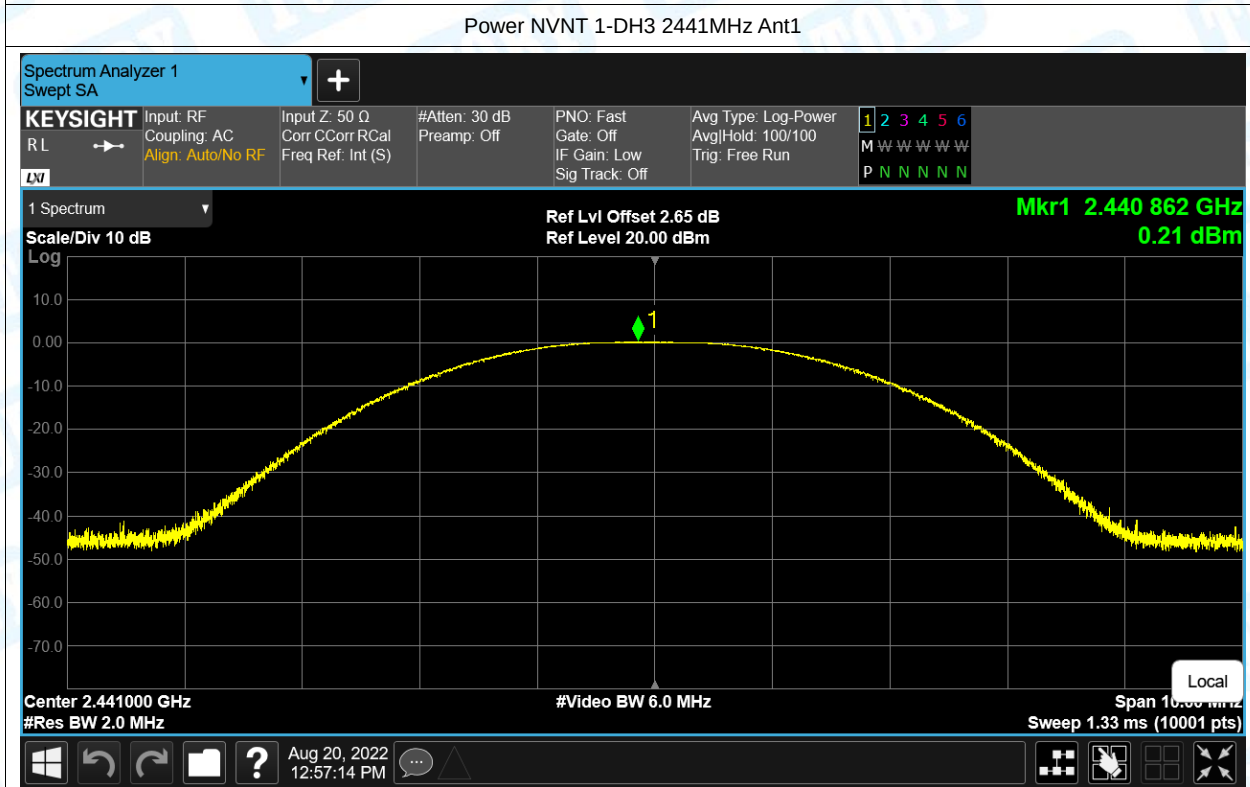
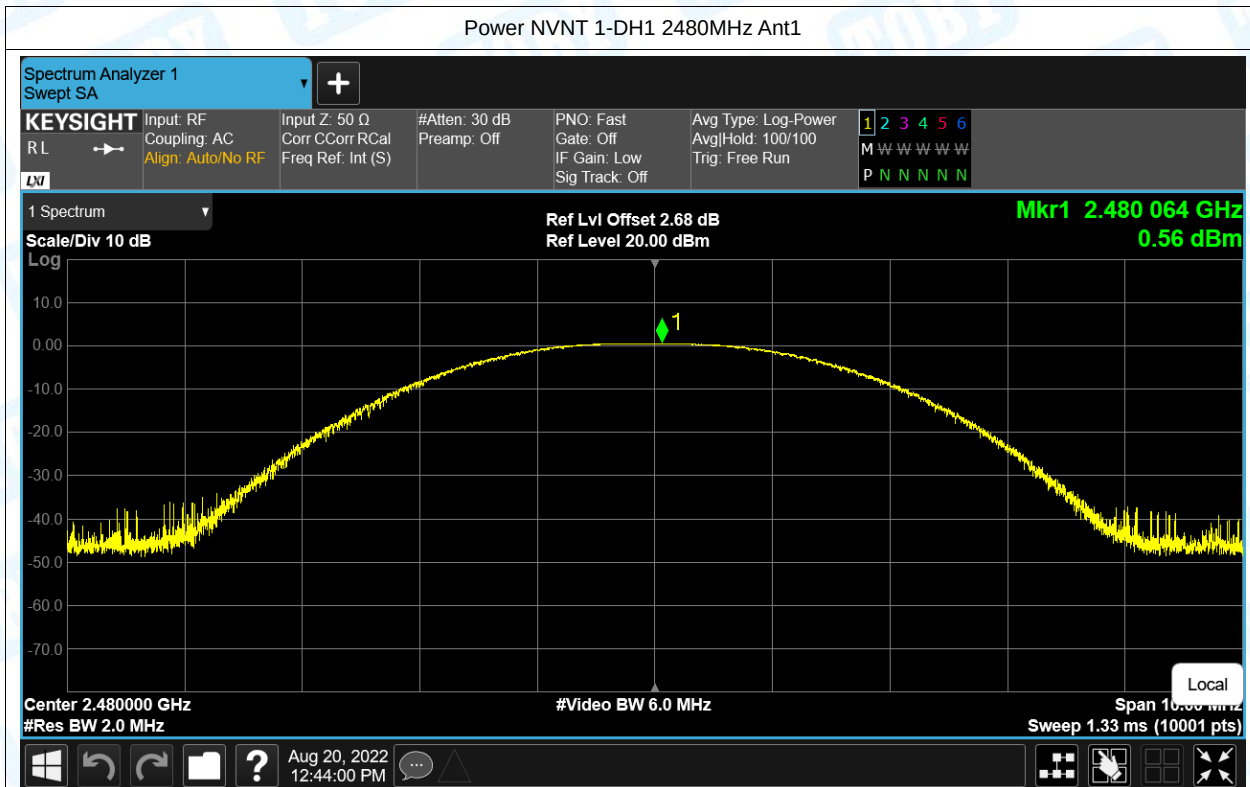
Test Graphs

Power NVNT 1-DH1 2402MHz Ant1

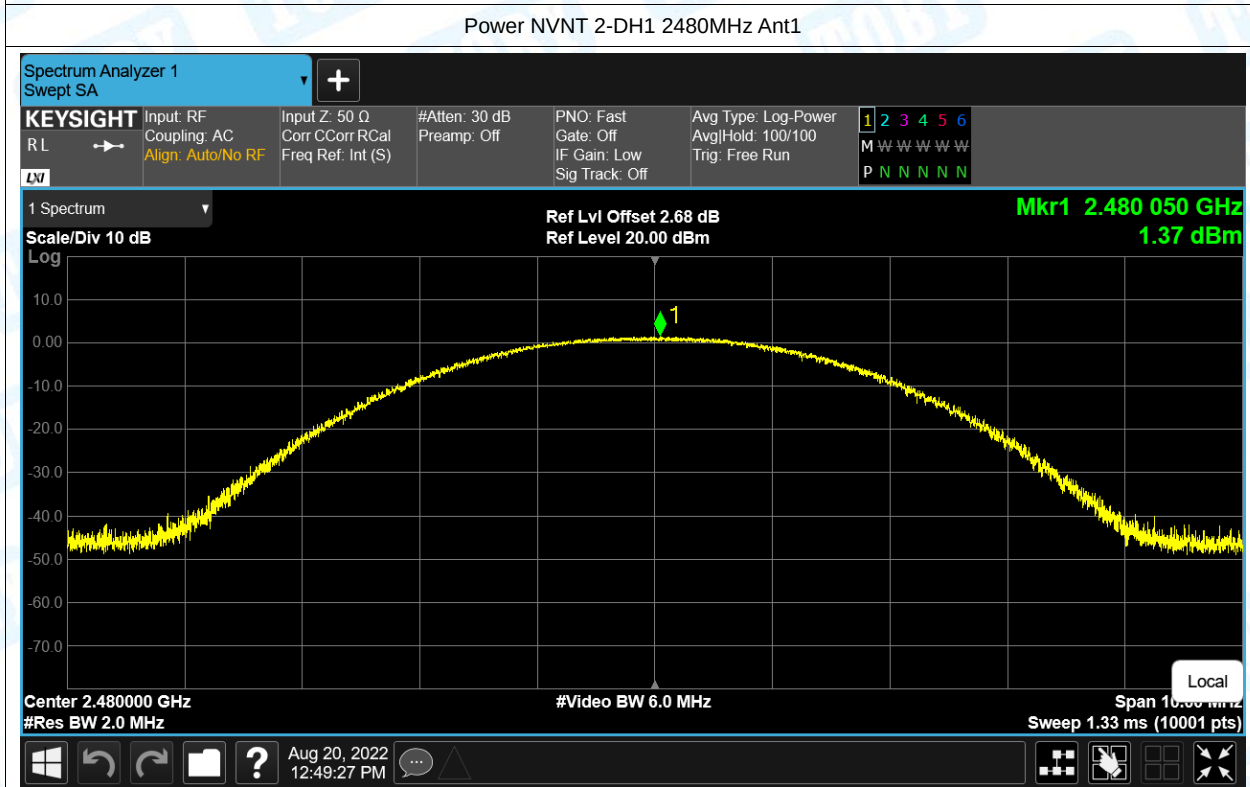
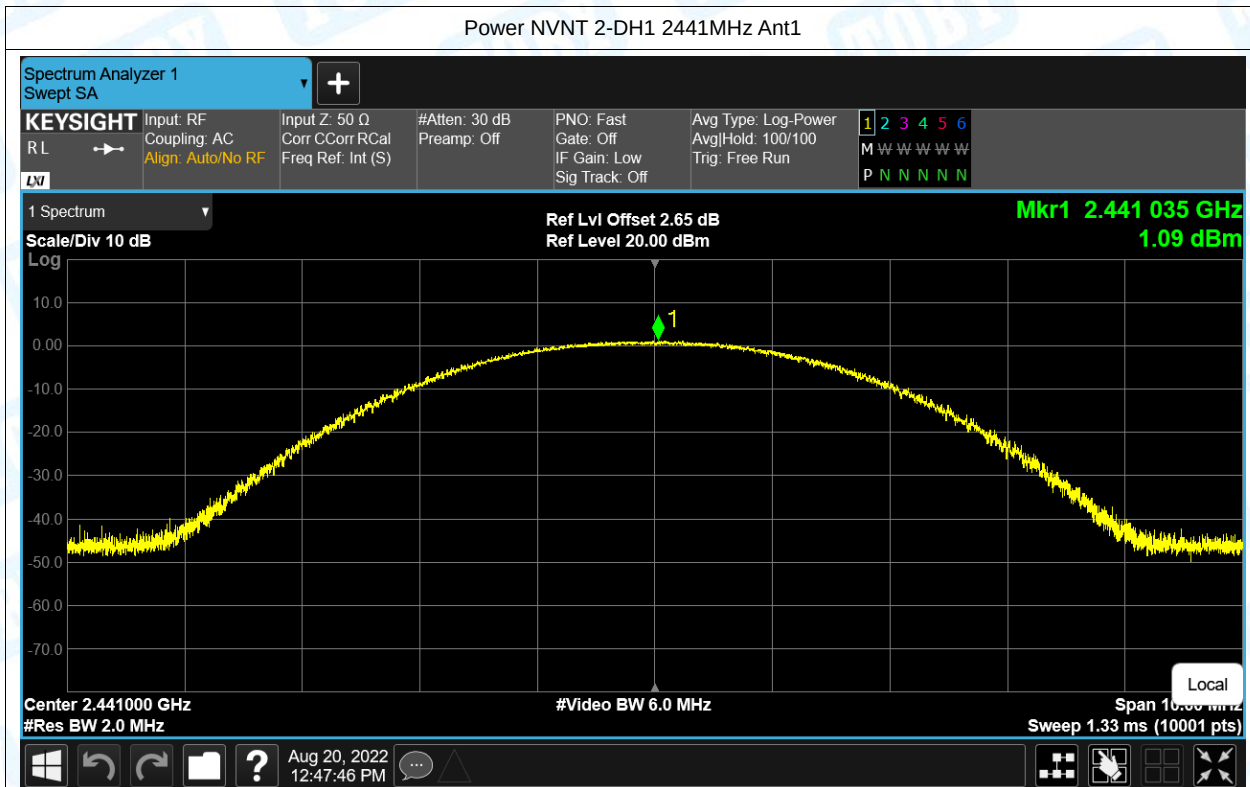


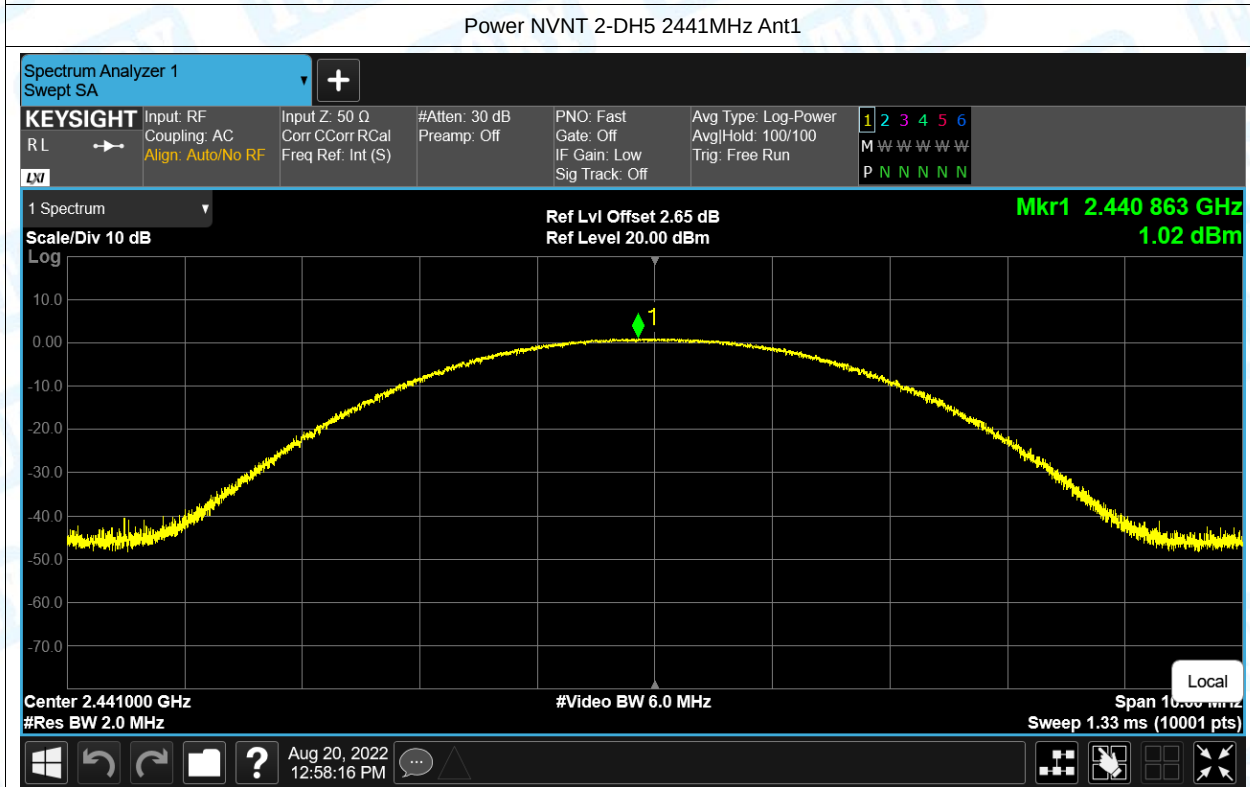
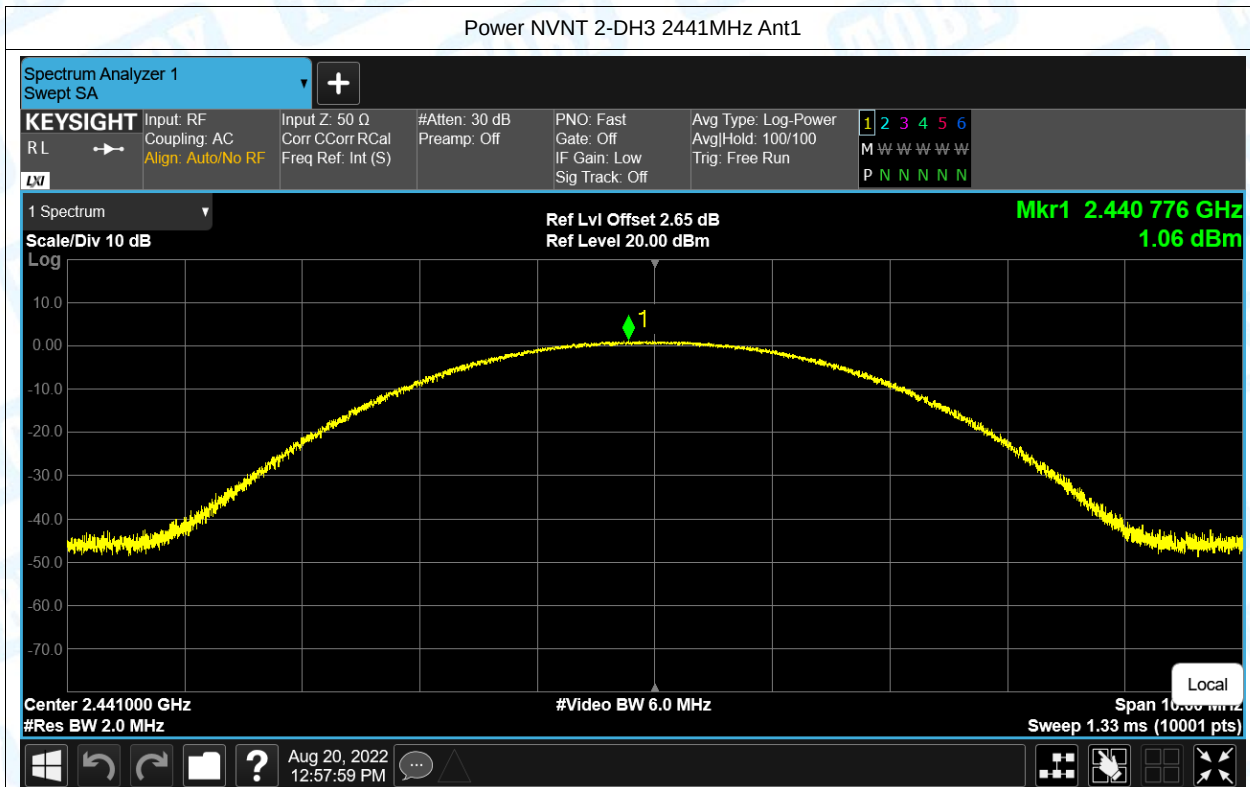
Power NVNT 1-DH1 2441MHz Ant1

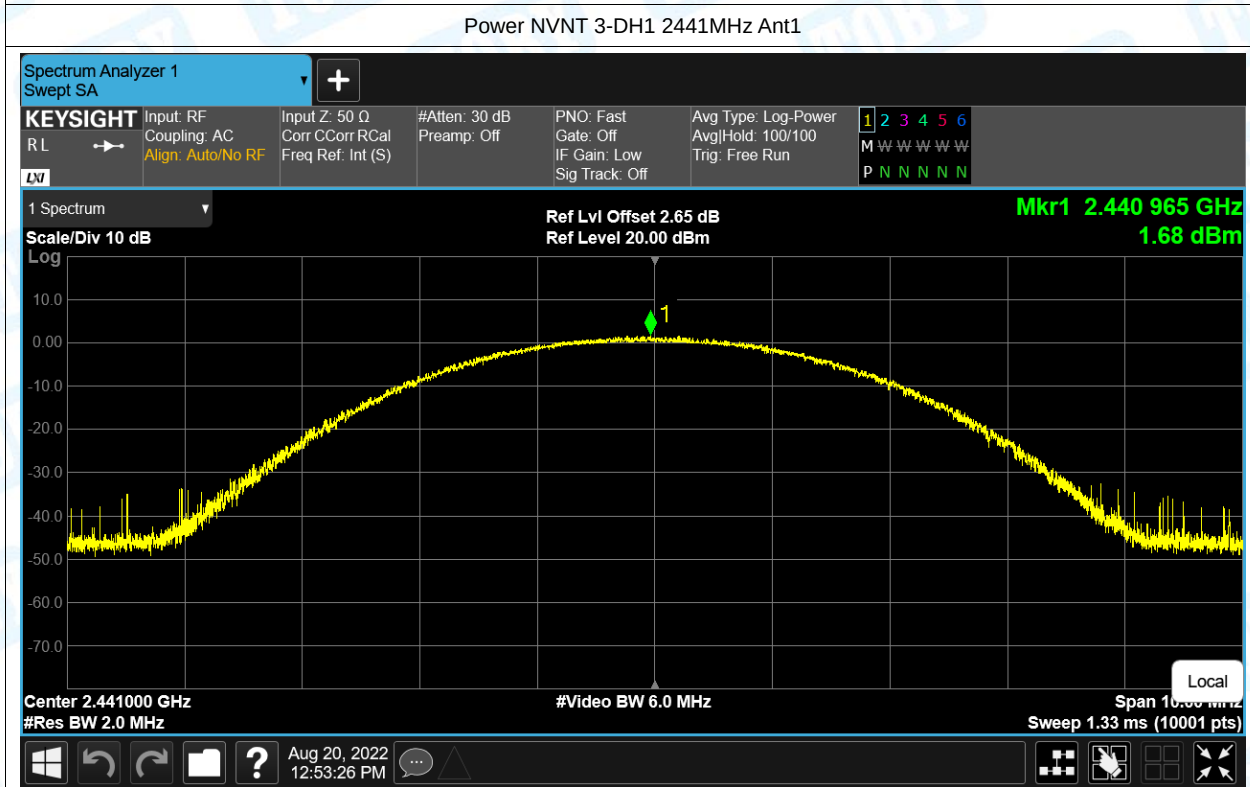


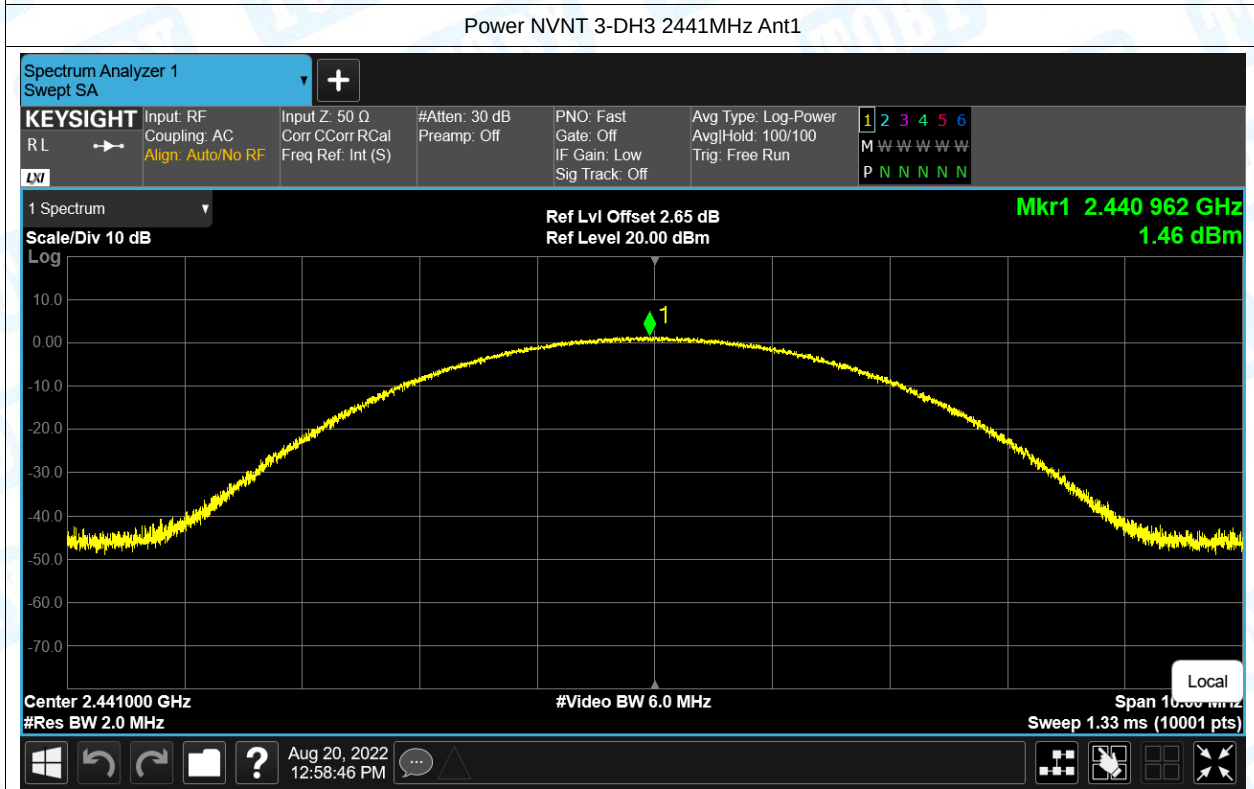
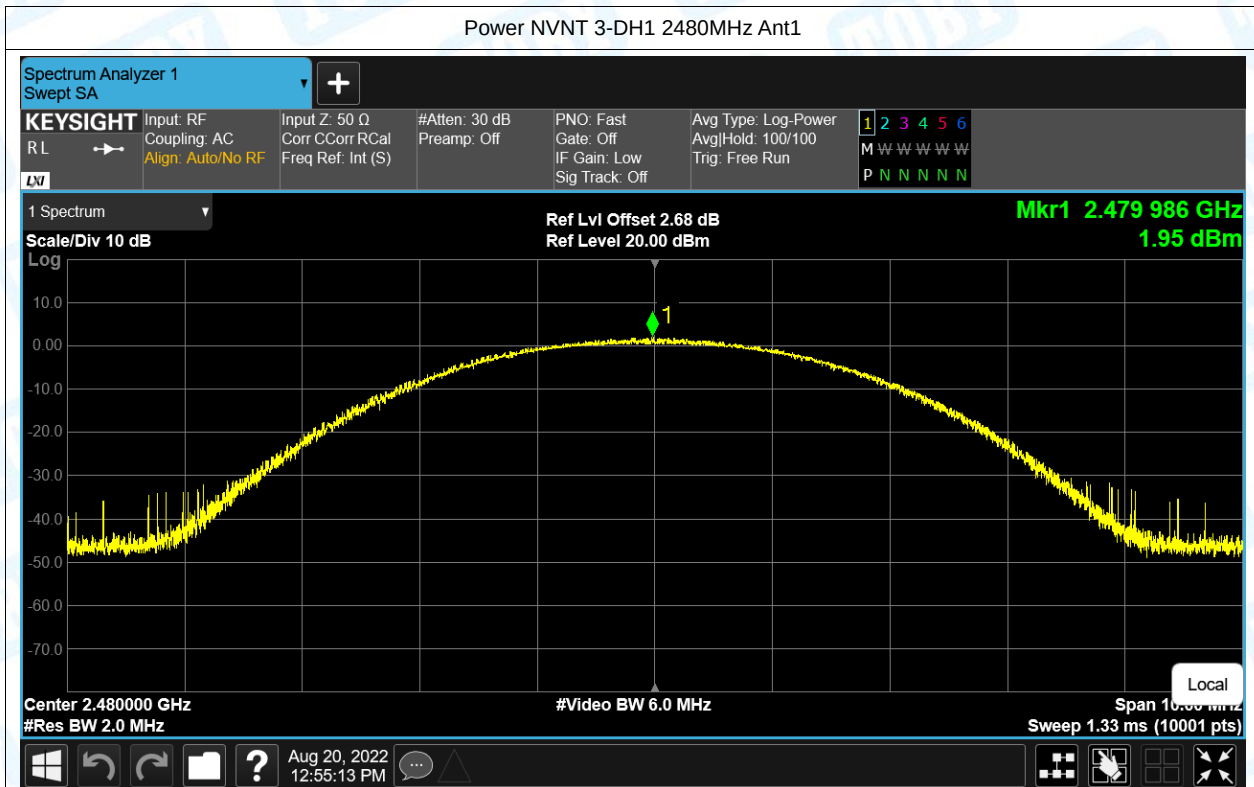


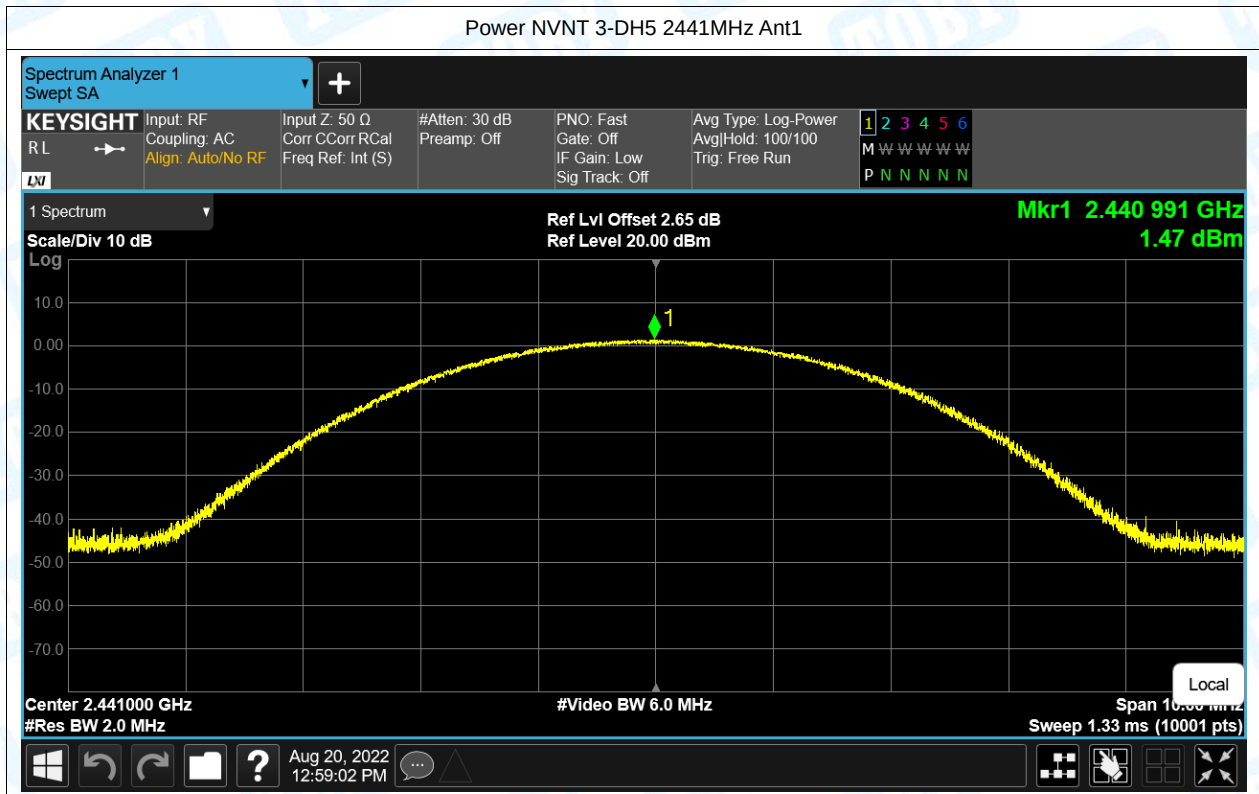












3. -20dB Bandwidth

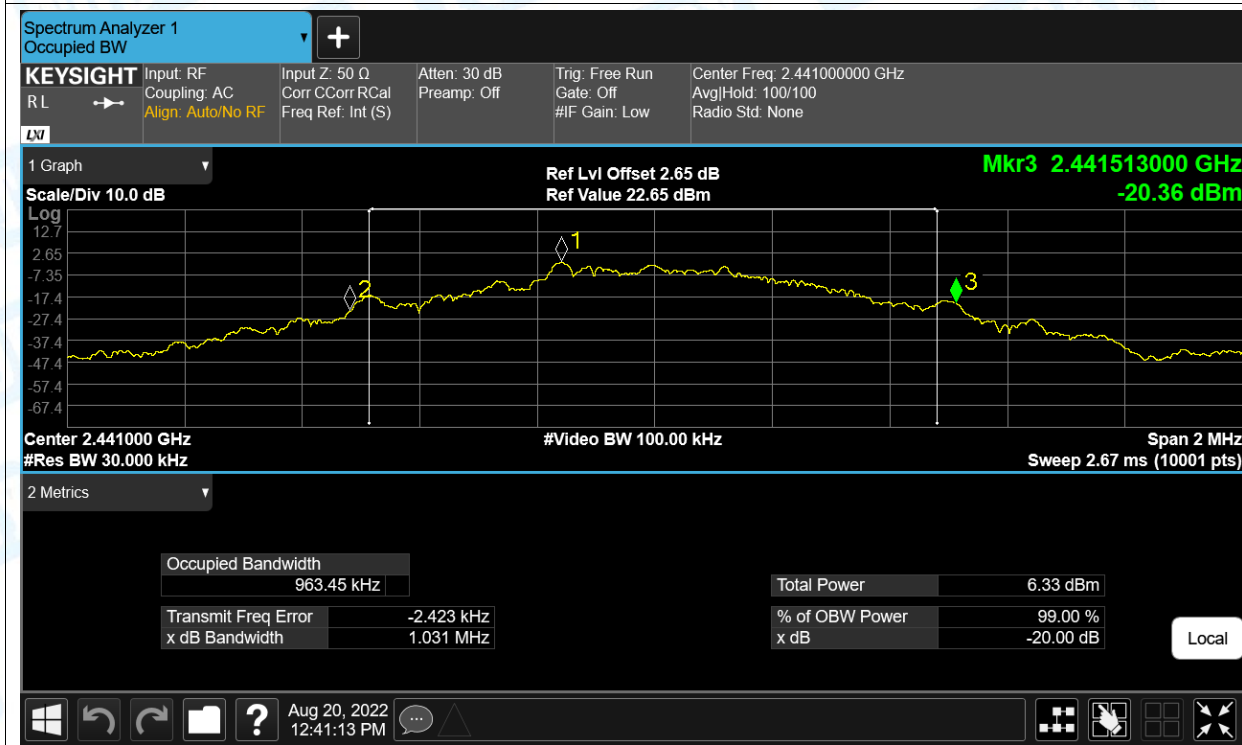
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	1.02	0	Pass
NVNT	1-DH1	2441	Ant1	1.03	0	Pass
NVNT	1-DH1	2480	Ant1	1.04	0	Pass
NVNT	2-DH1	2402	Ant1	1.3	0	Pass
NVNT	2-DH1	2441	Ant1	1.28	0	Pass
NVNT	2-DH1	2480	Ant1	1.28	0	Pass
NVNT	3-DH1	2402	Ant1	1.25	0	Pass
NVNT	3-DH1	2441	Ant1	1.25	0	Pass
NVNT	3-DH1	2480	Ant1	1.27	0	Pass

Test Graphs

-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



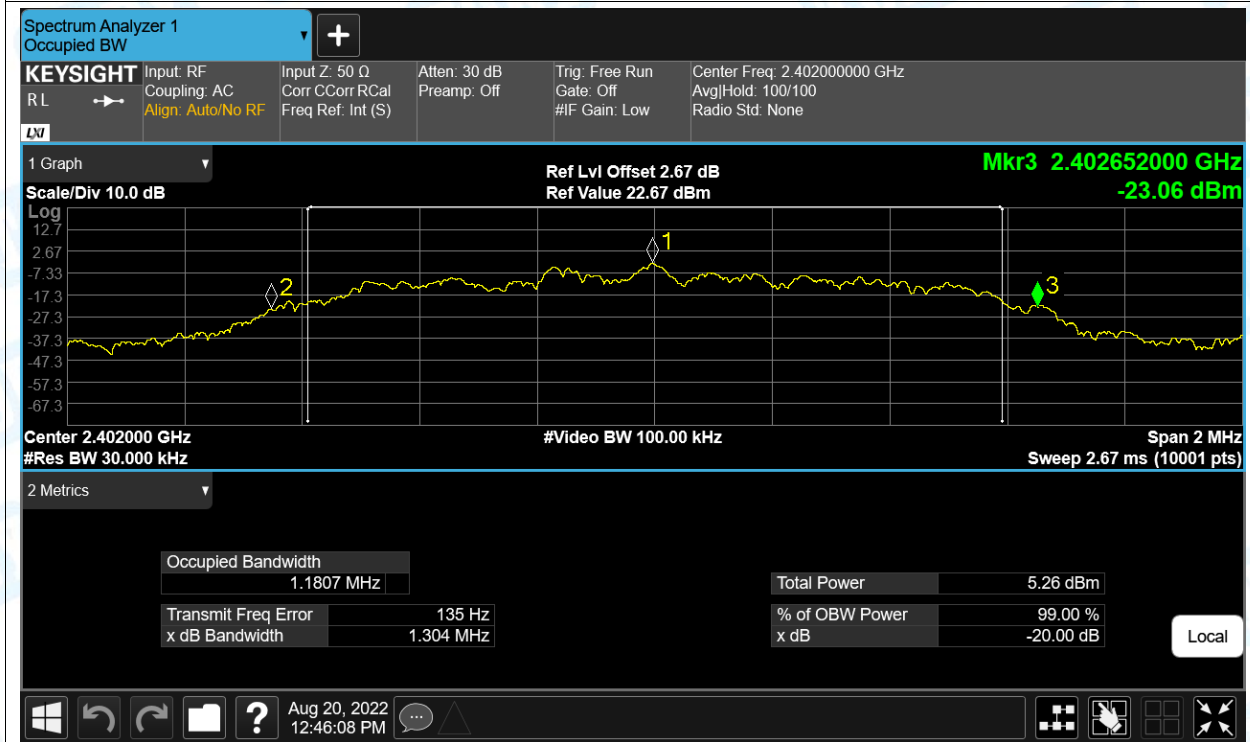
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



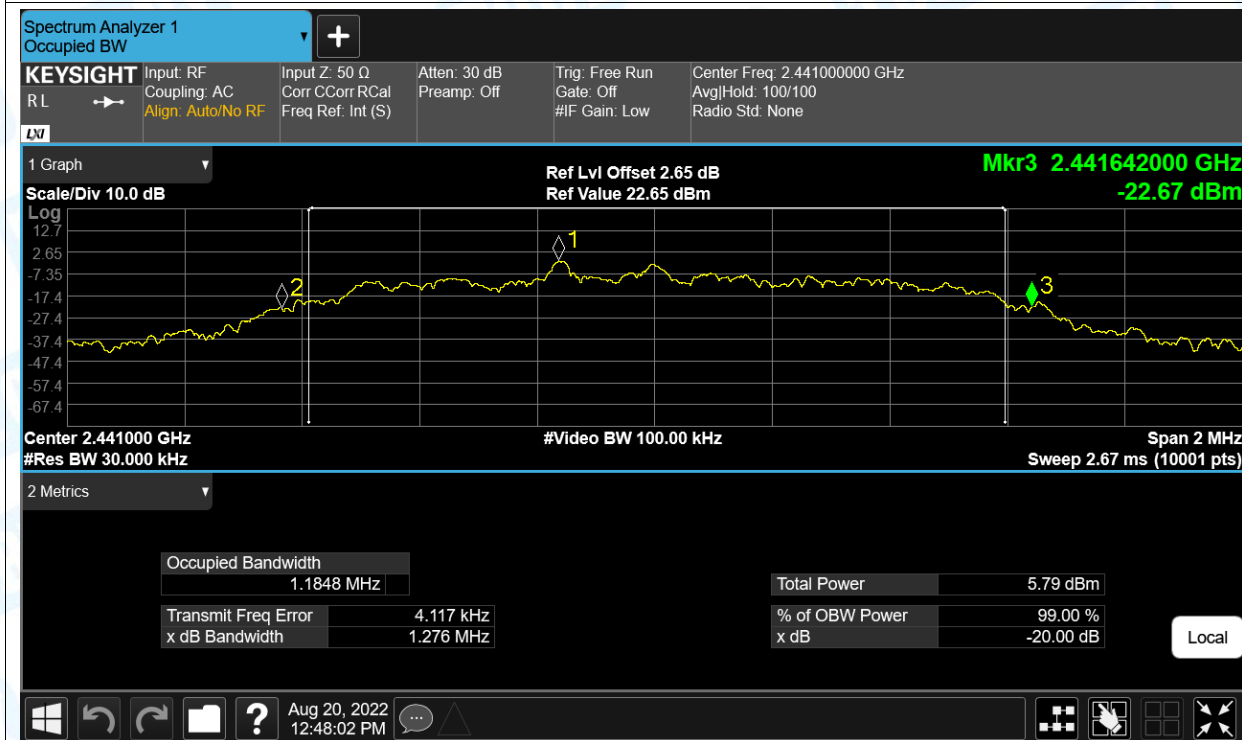
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



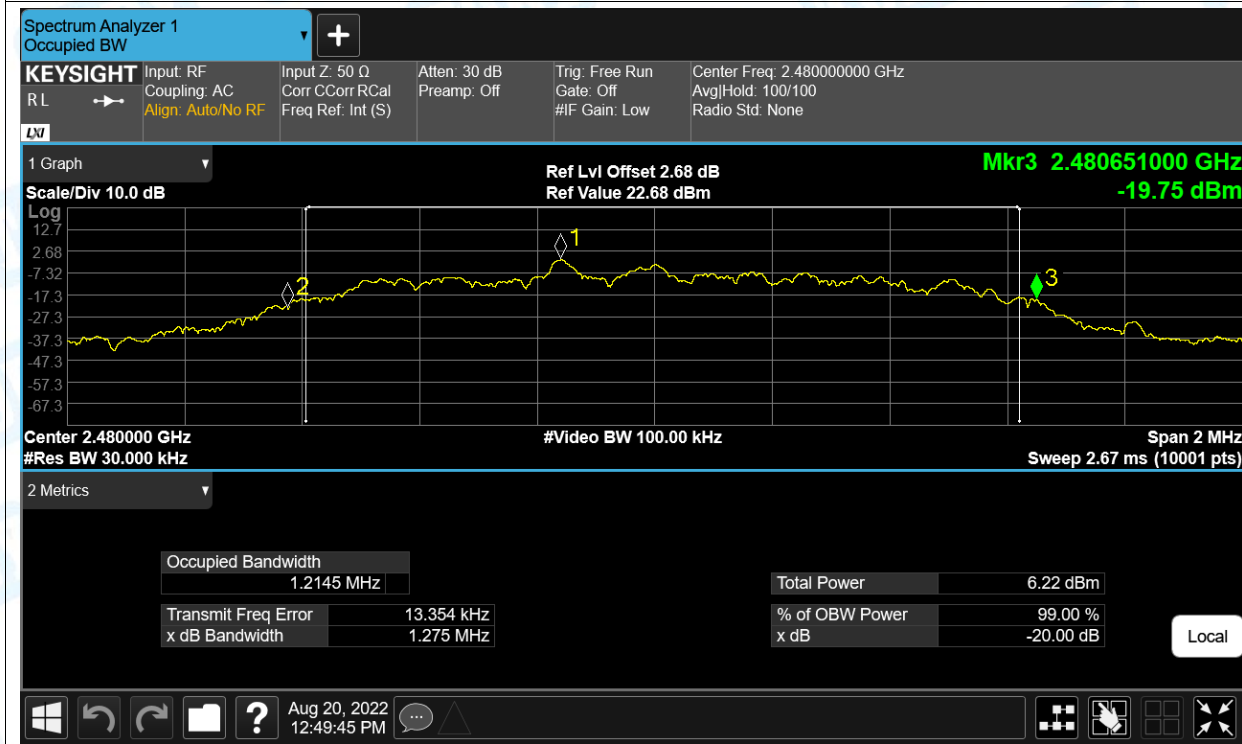
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



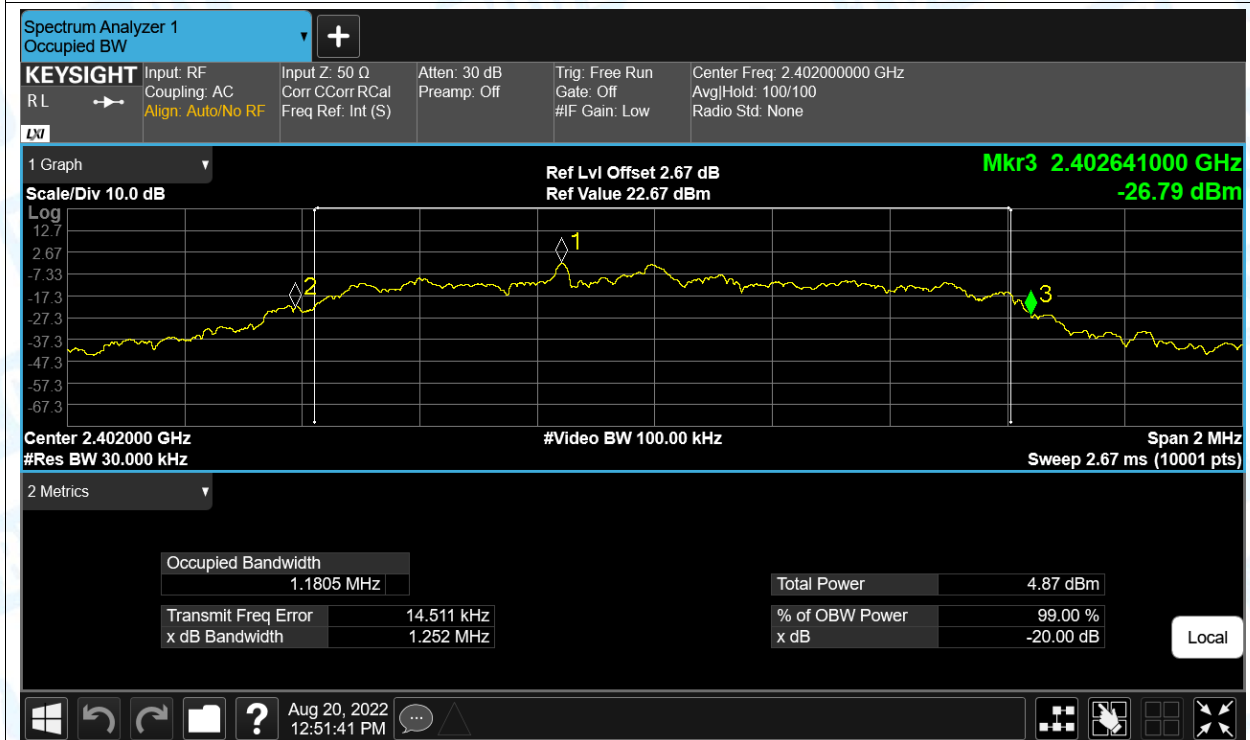
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



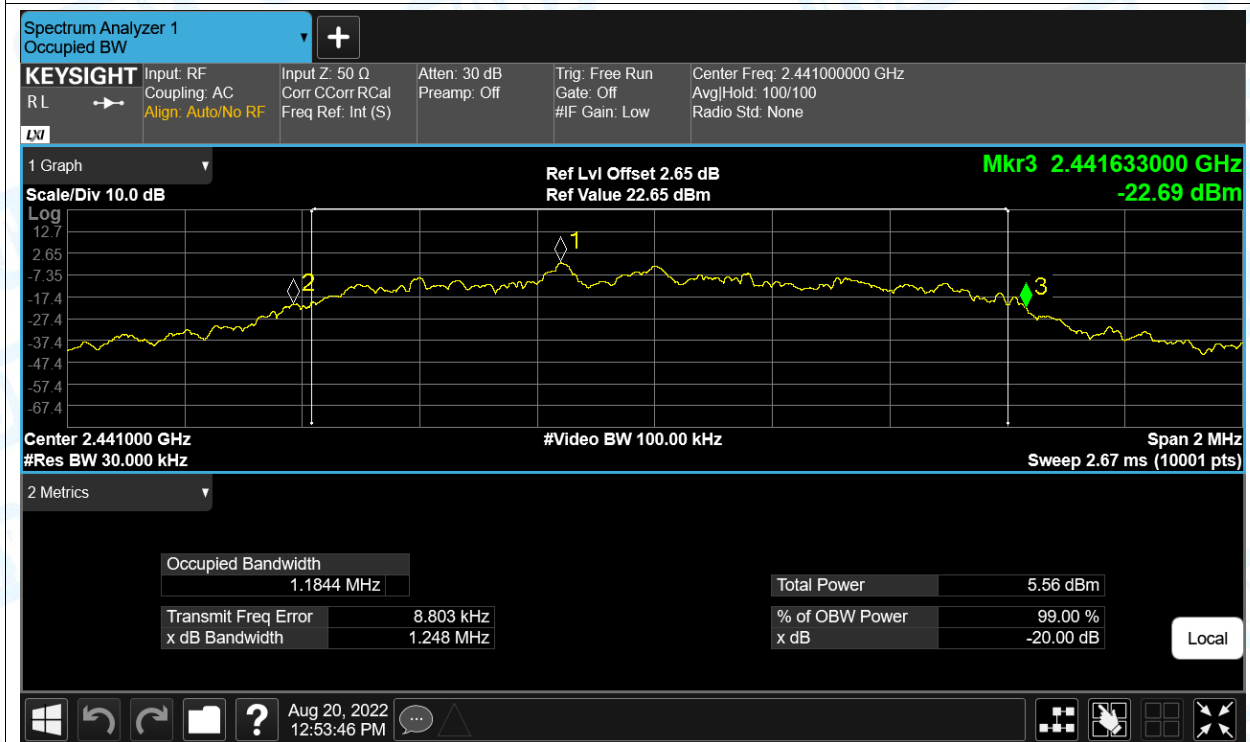
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1

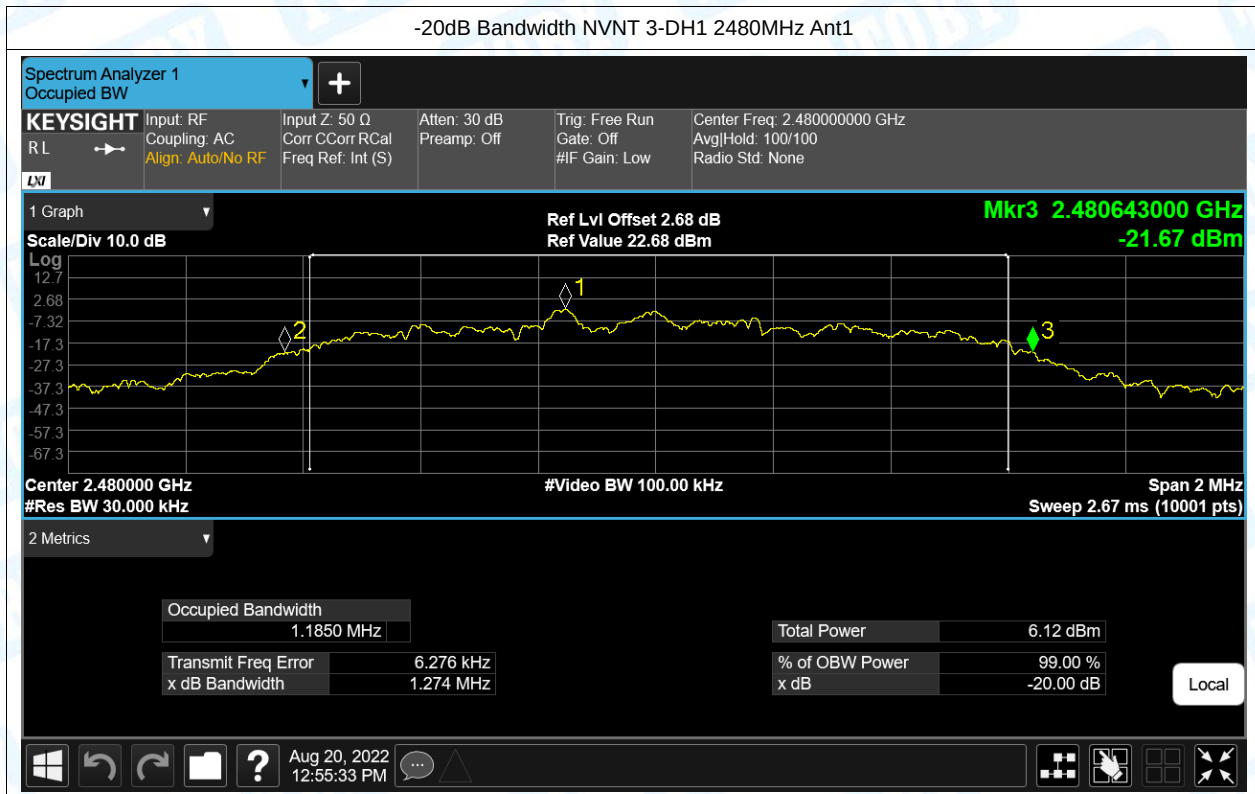


-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



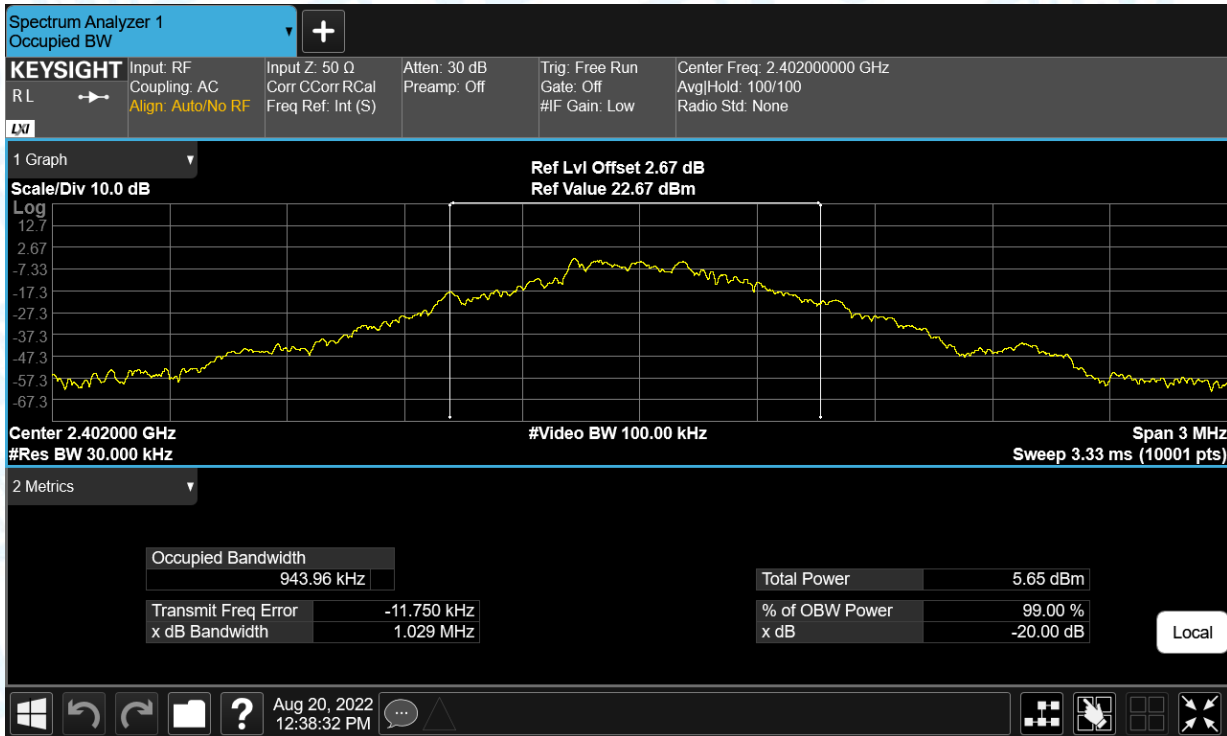


4. Occupied Channel Bandwidth

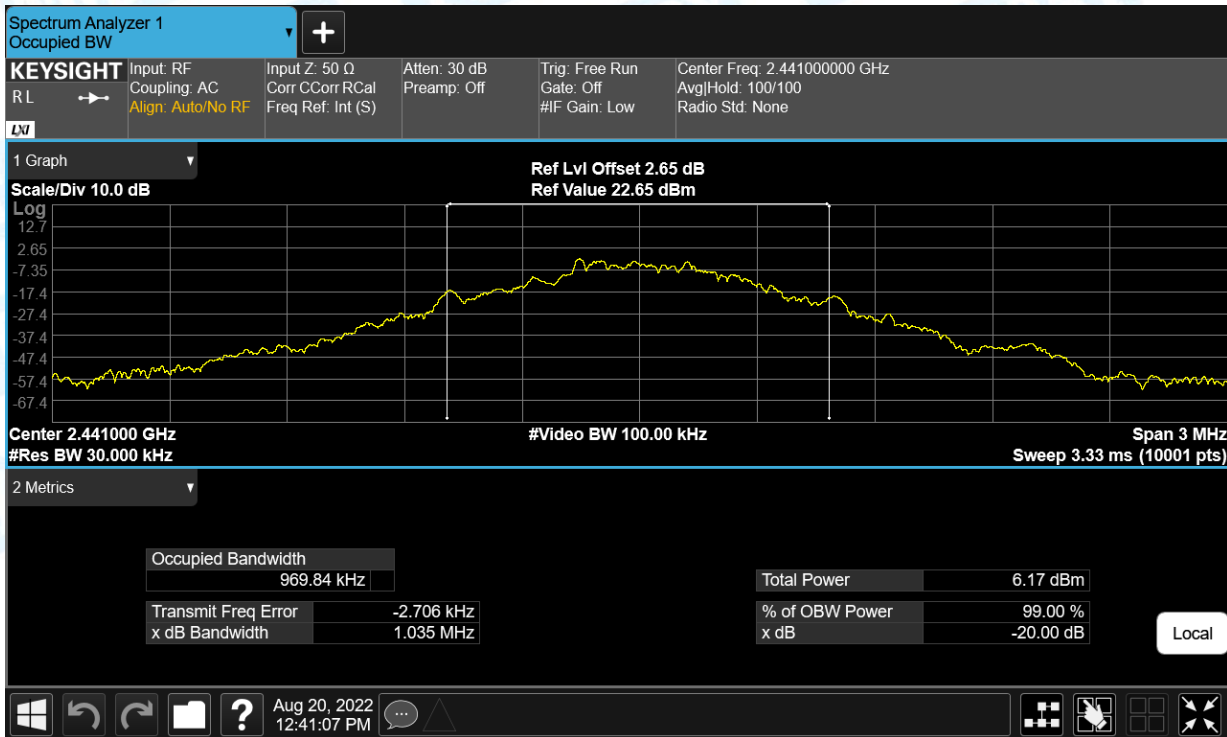
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.944
NVNT	1-DH1	2441	Ant1	0.97
NVNT	1-DH1	2480	Ant1	0.98
NVNT	2-DH1	2402	Ant1	1.196
NVNT	2-DH1	2441	Ant1	1.224
NVNT	2-DH1	2480	Ant1	1.213
NVNT	3-DH1	2402	Ant1	1.188
NVNT	3-DH1	2441	Ant1	1.188
NVNT	3-DH1	2480	Ant1	1.179

Test Graphs

OBW NVNT 1-DH1 2402MHz Ant1



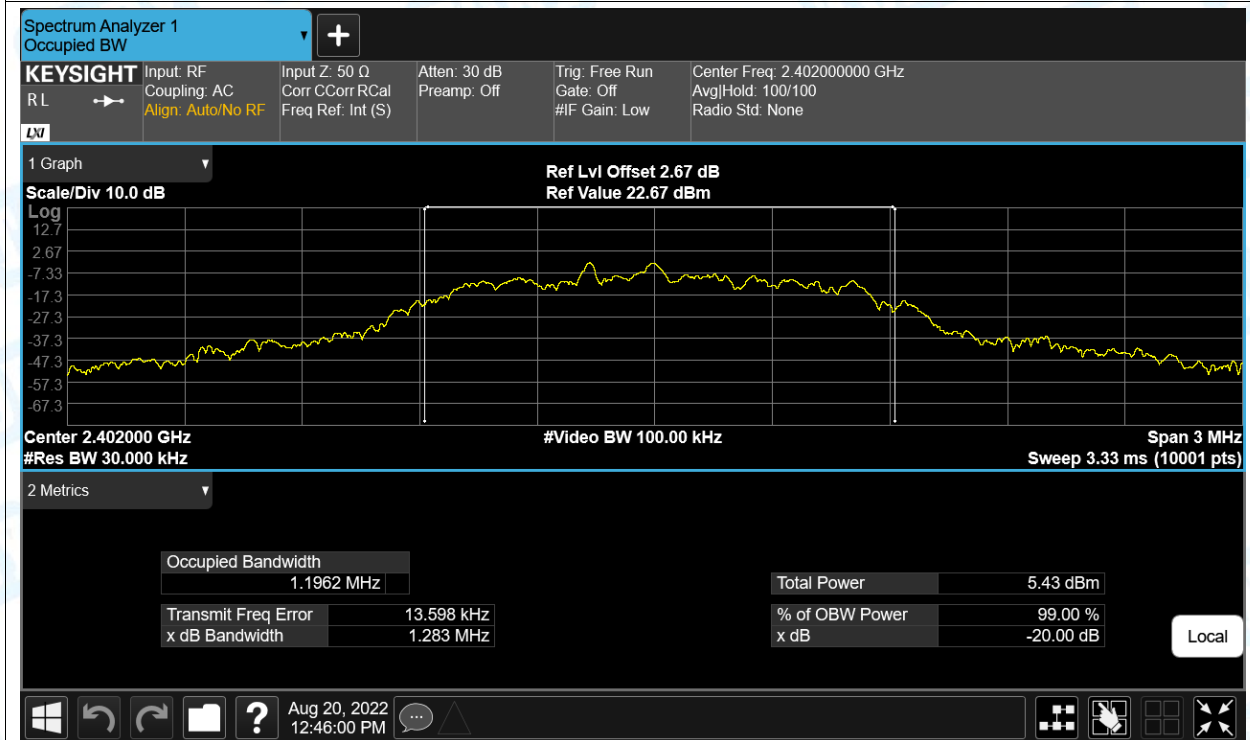
OBW NVNT 1-DH1 2441MHz Ant1



OBW NVNT 1-DH1 2480MHz Ant1



OBW NVNT 2-DH1 2402MHz Ant1



OBW NVNT 2-DH1 2441MHz Ant1



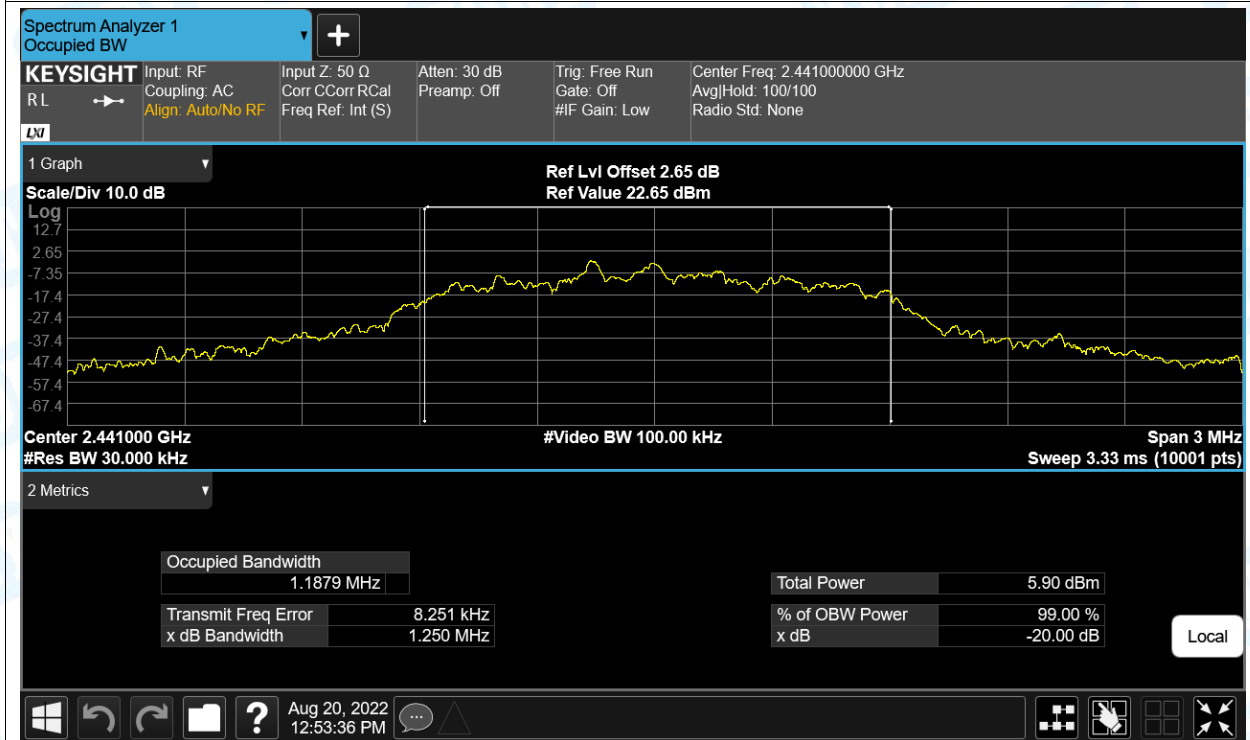
OBW NVNT 2-DH1 2480MHz Ant1

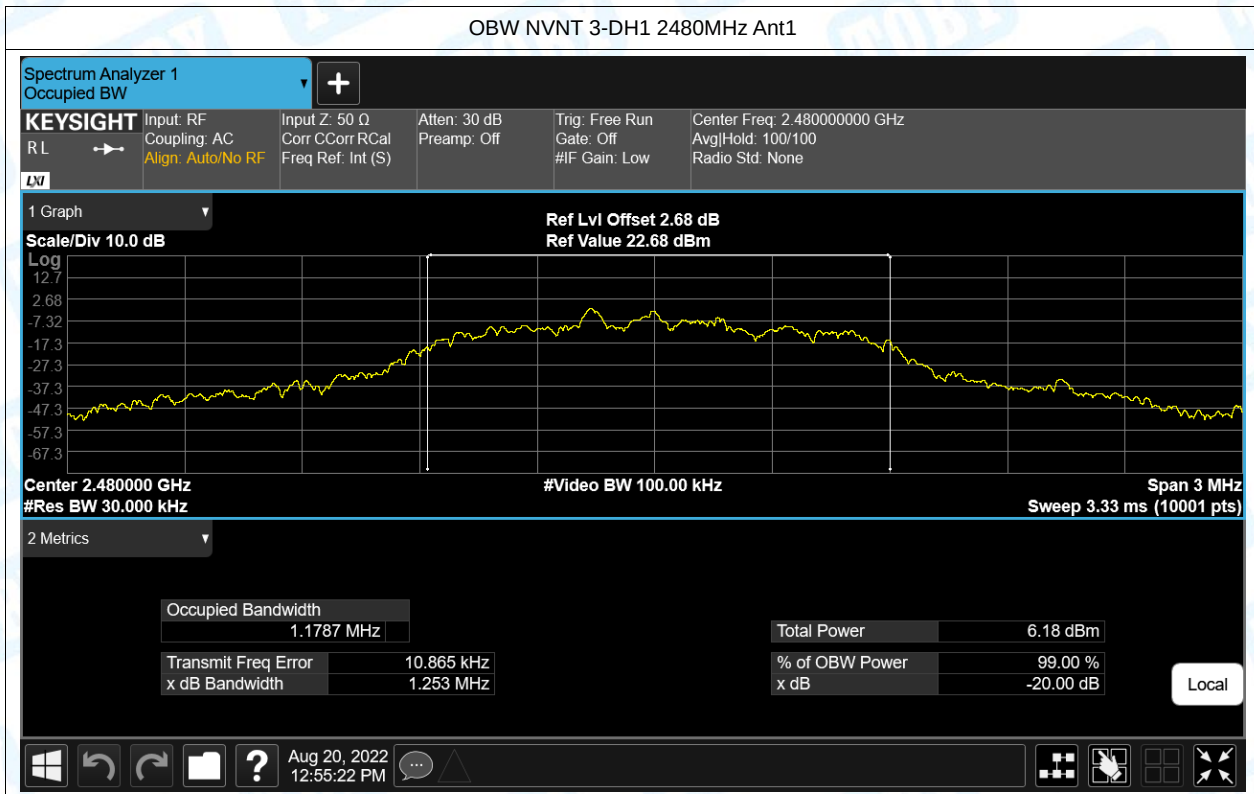


OBW NVNT 3-DH1 2402MHz Ant1



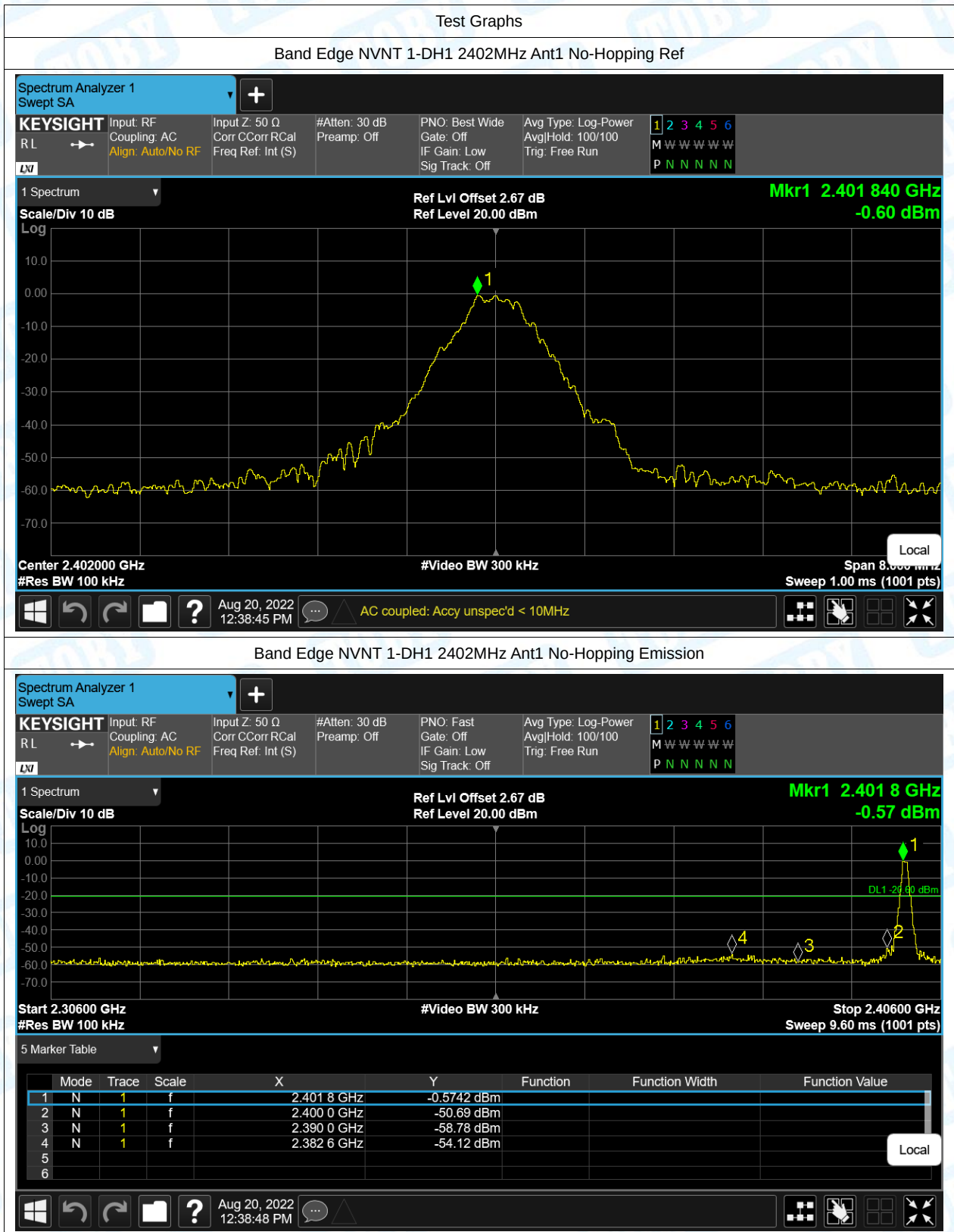
OBW NVNT 3-DH1 2441MHz Ant1

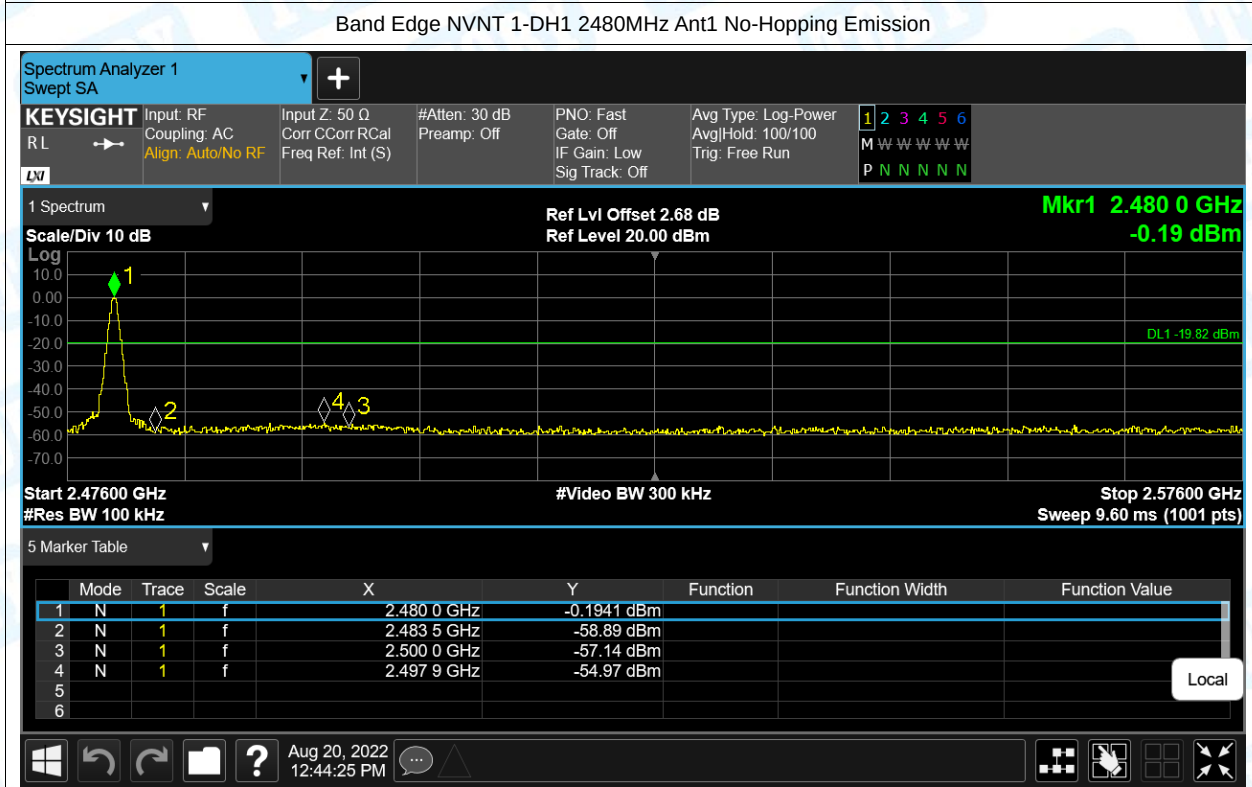
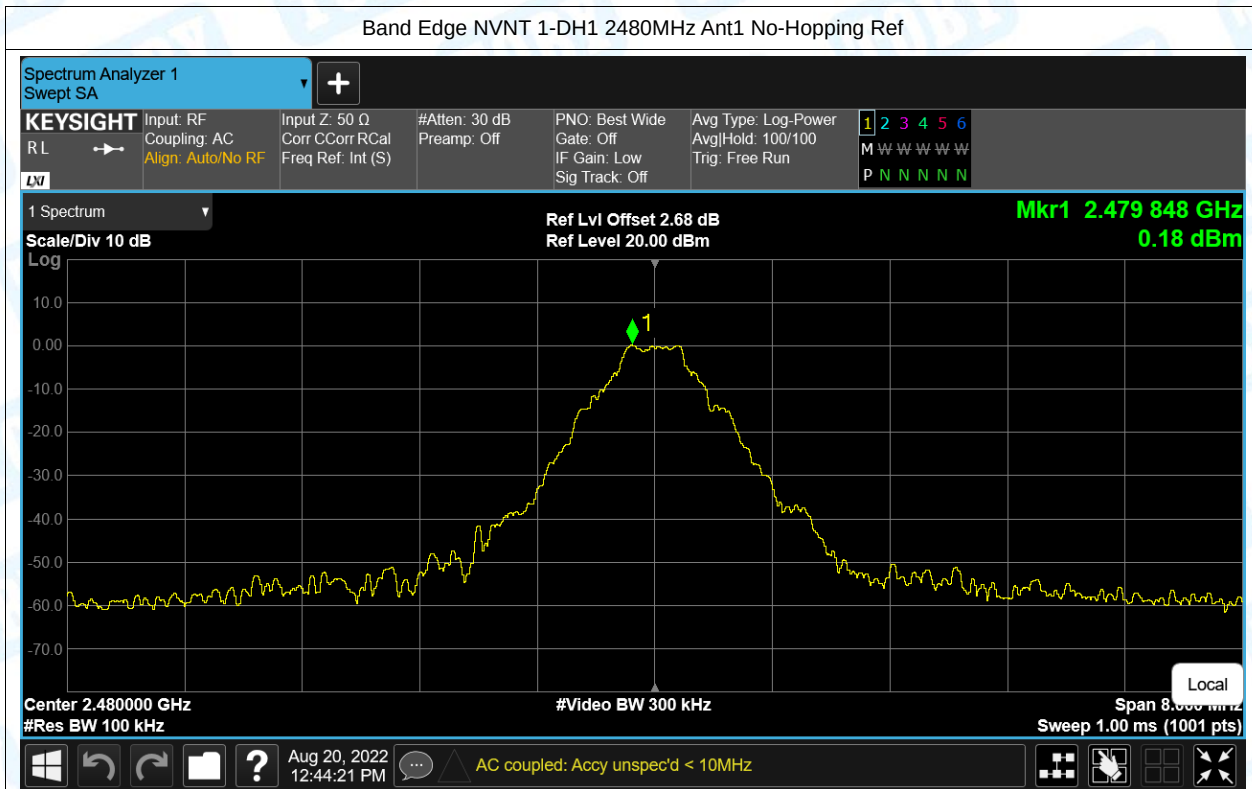


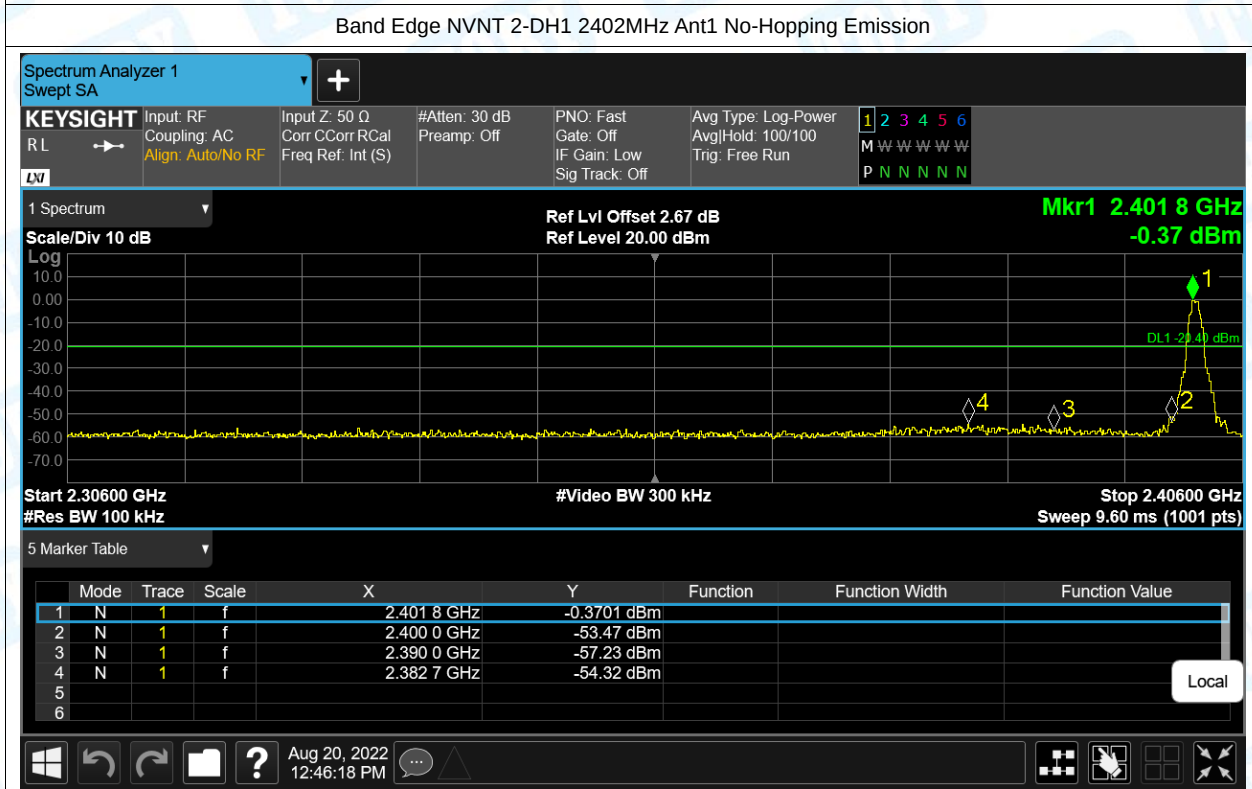
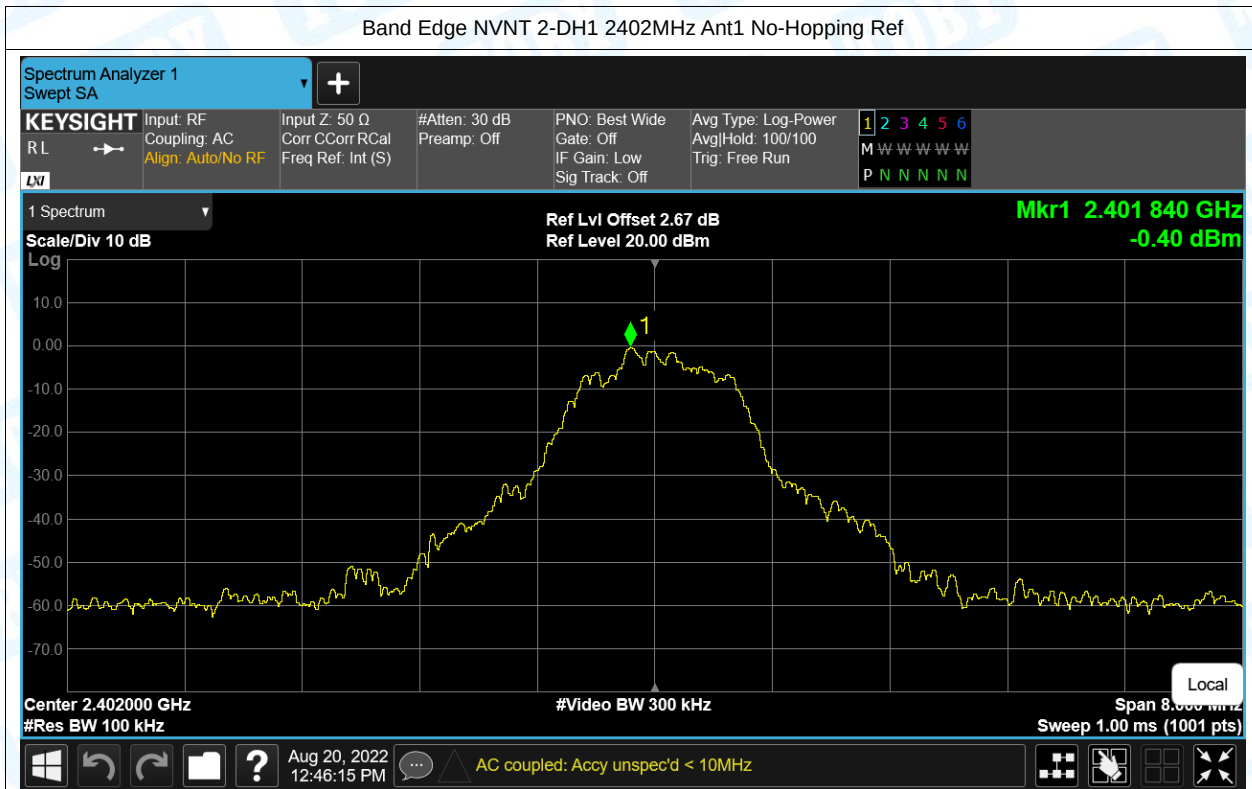


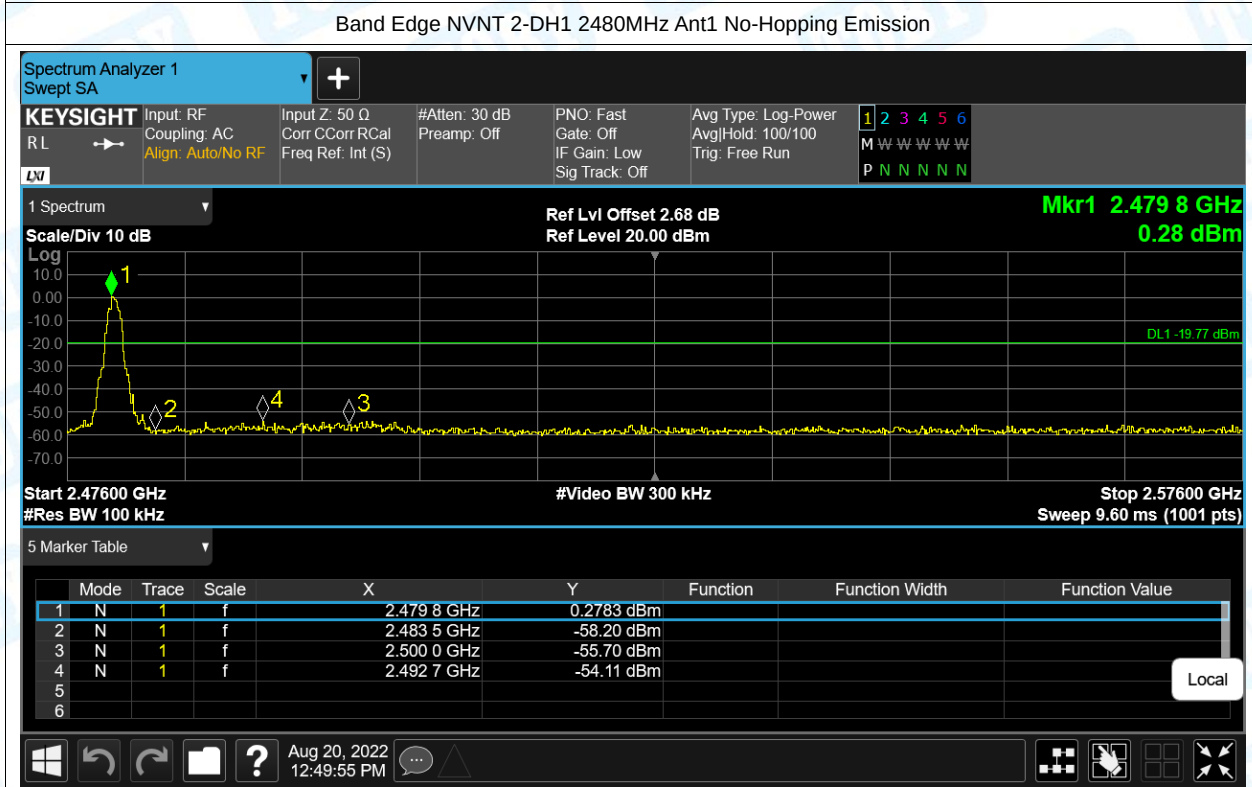
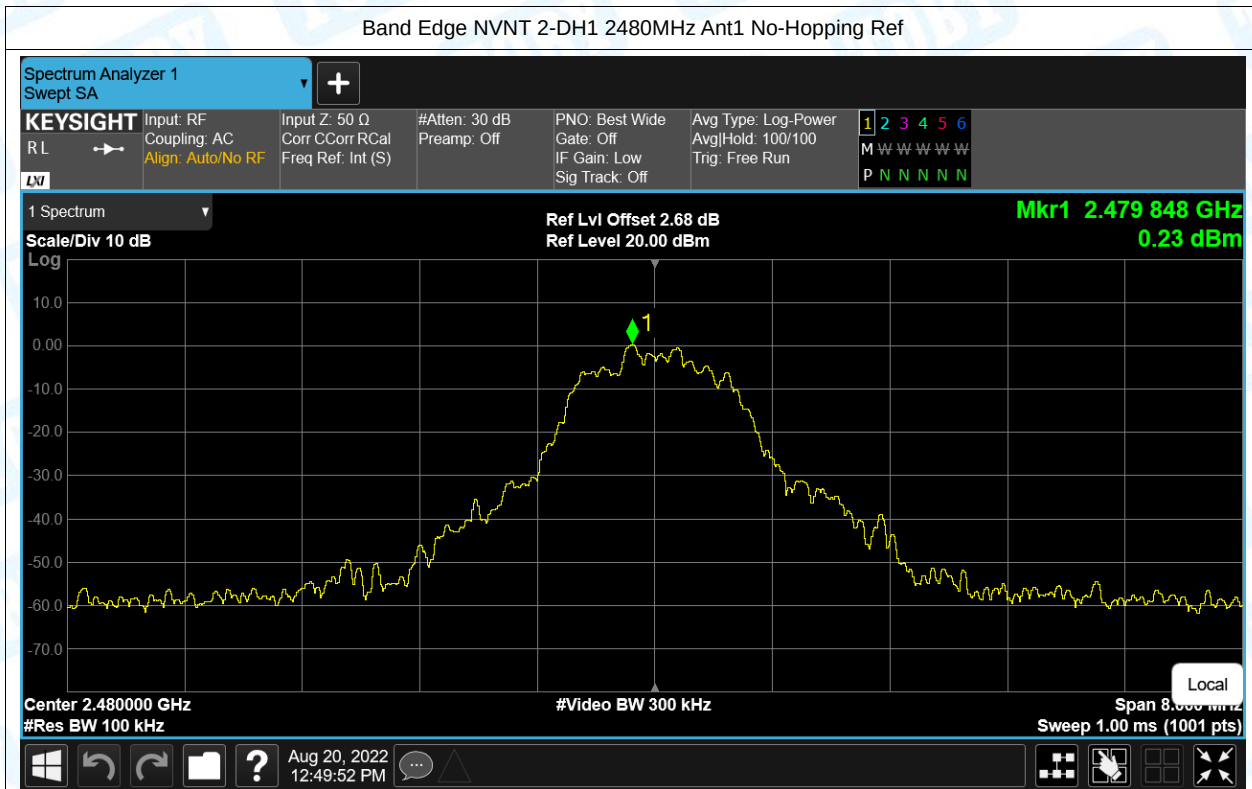
5. Band Edge

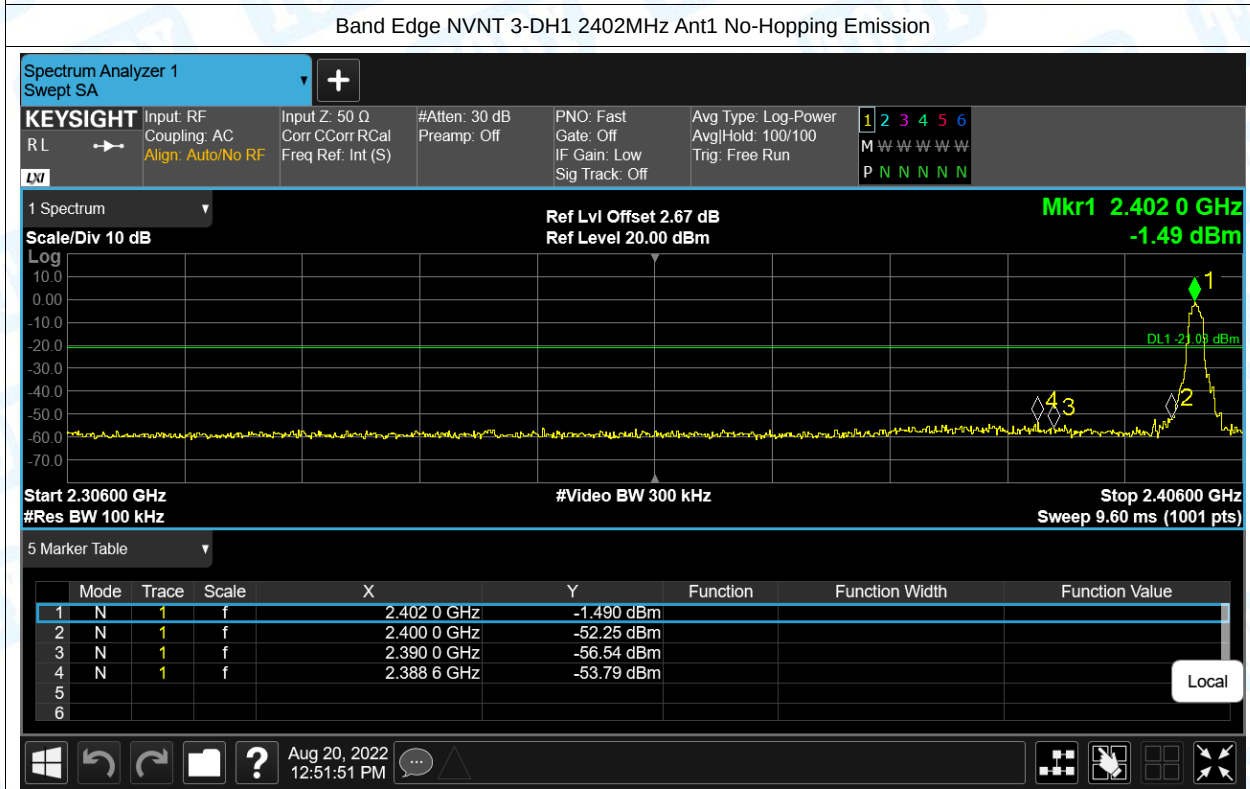
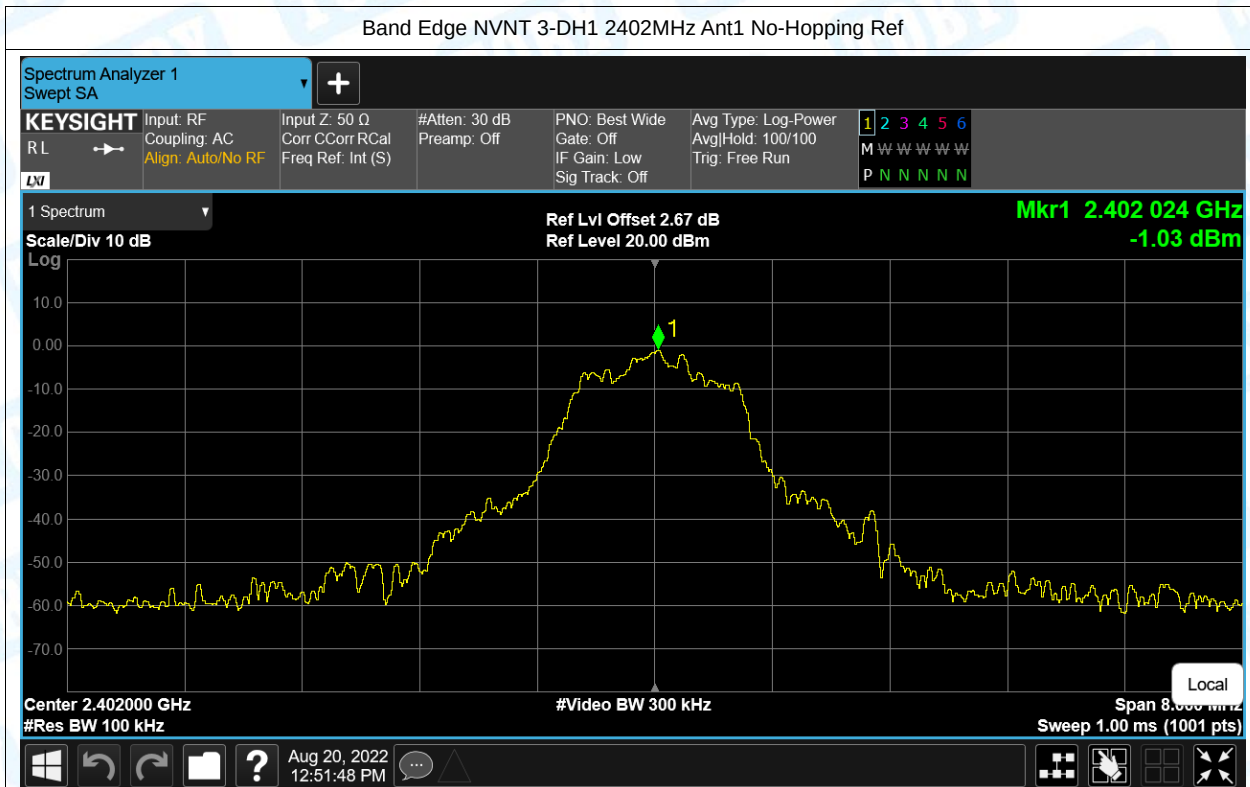
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-53.52	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-55.15	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-53.92	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-54.34	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-52.76	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-53.37	-20	Pass

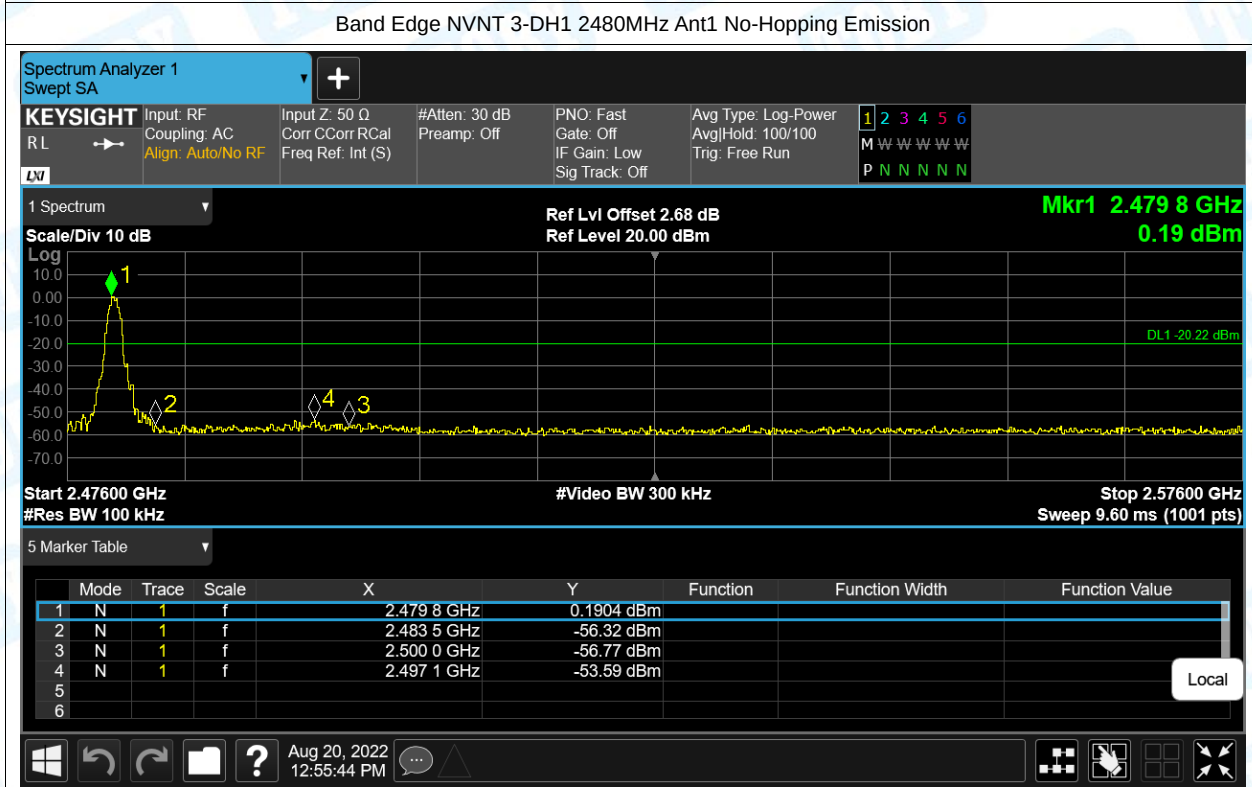
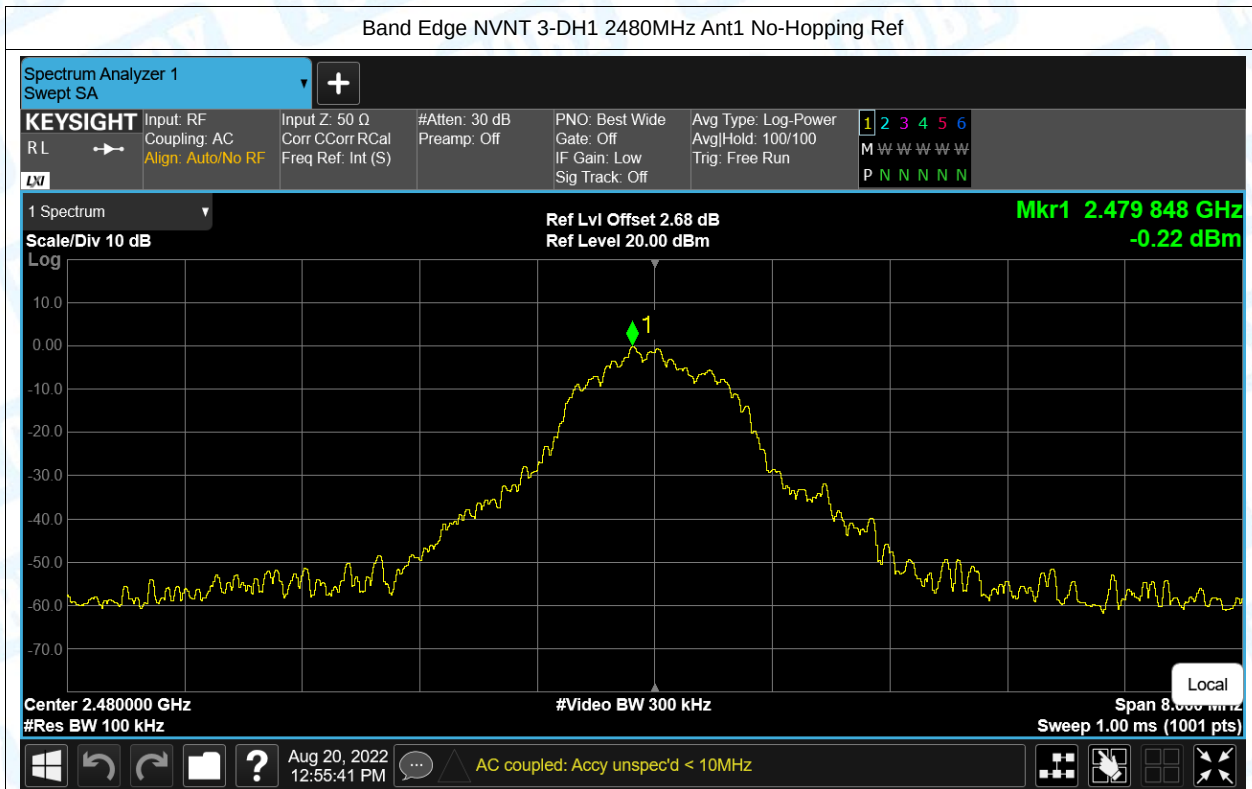








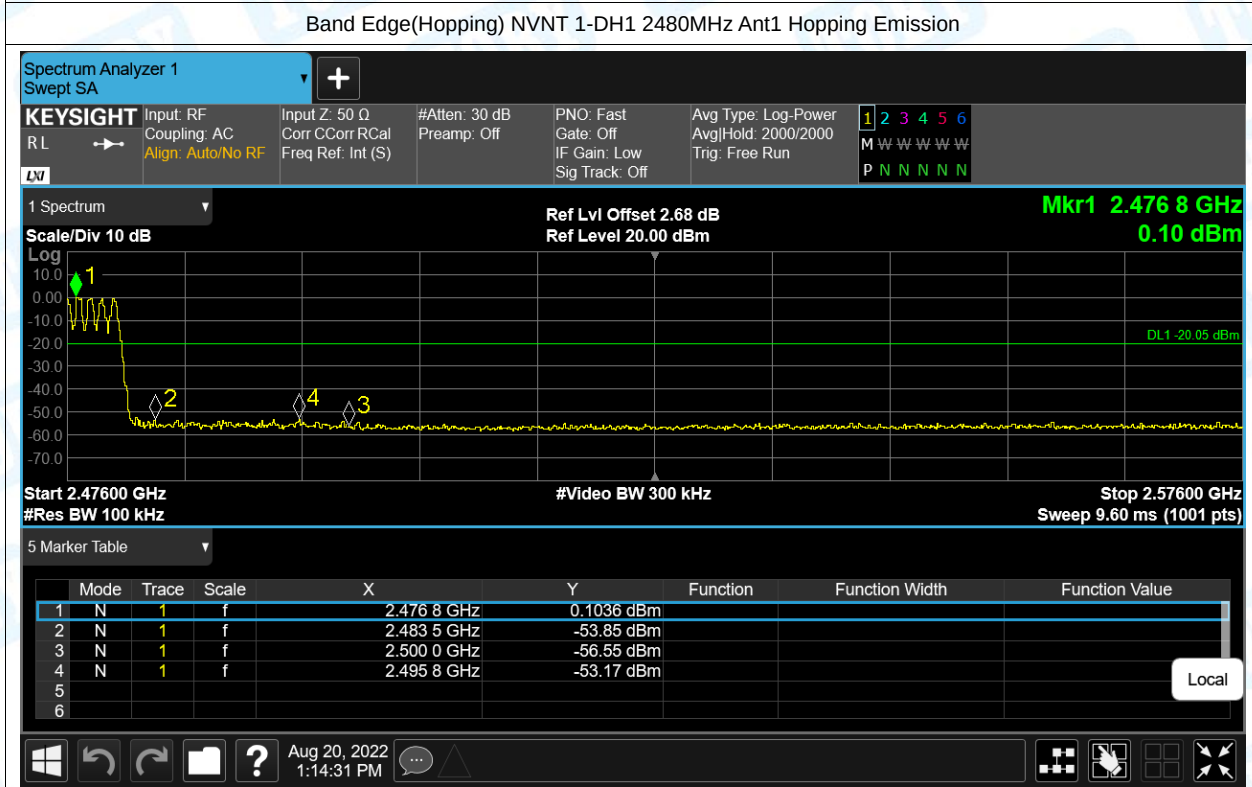
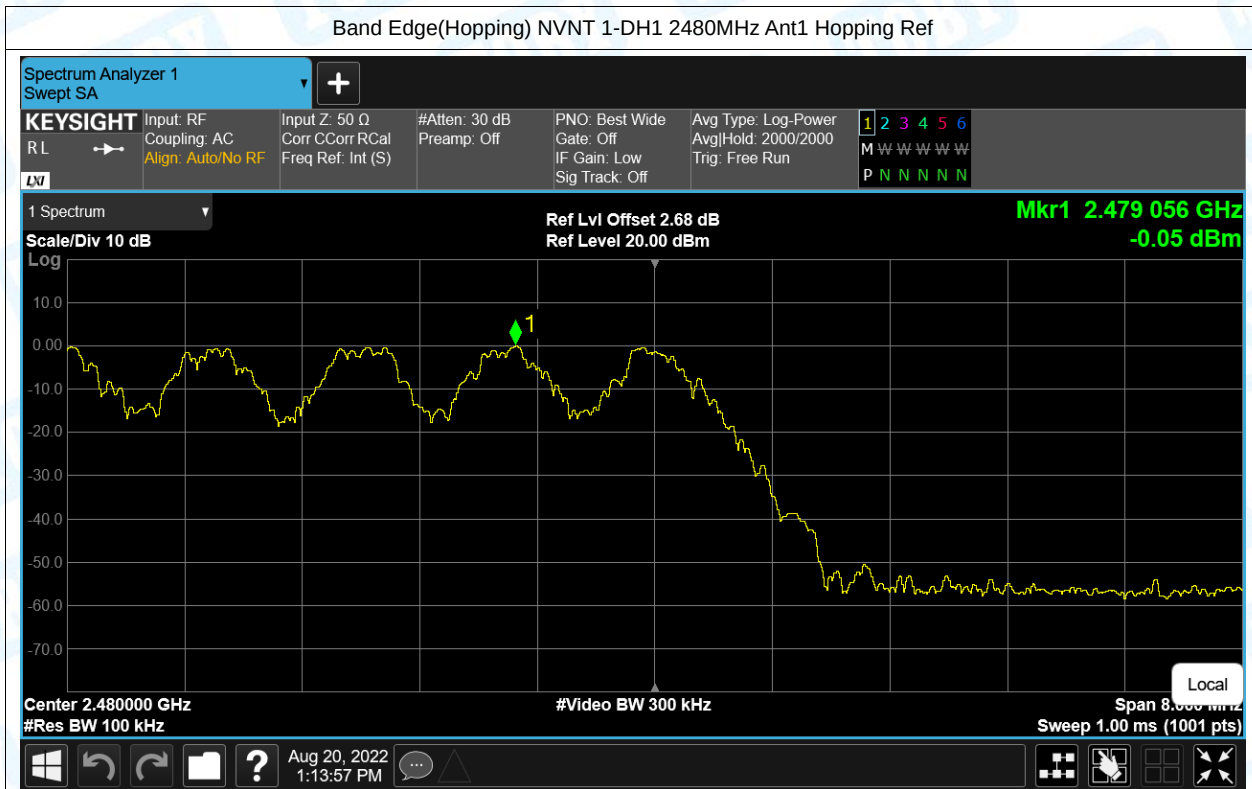


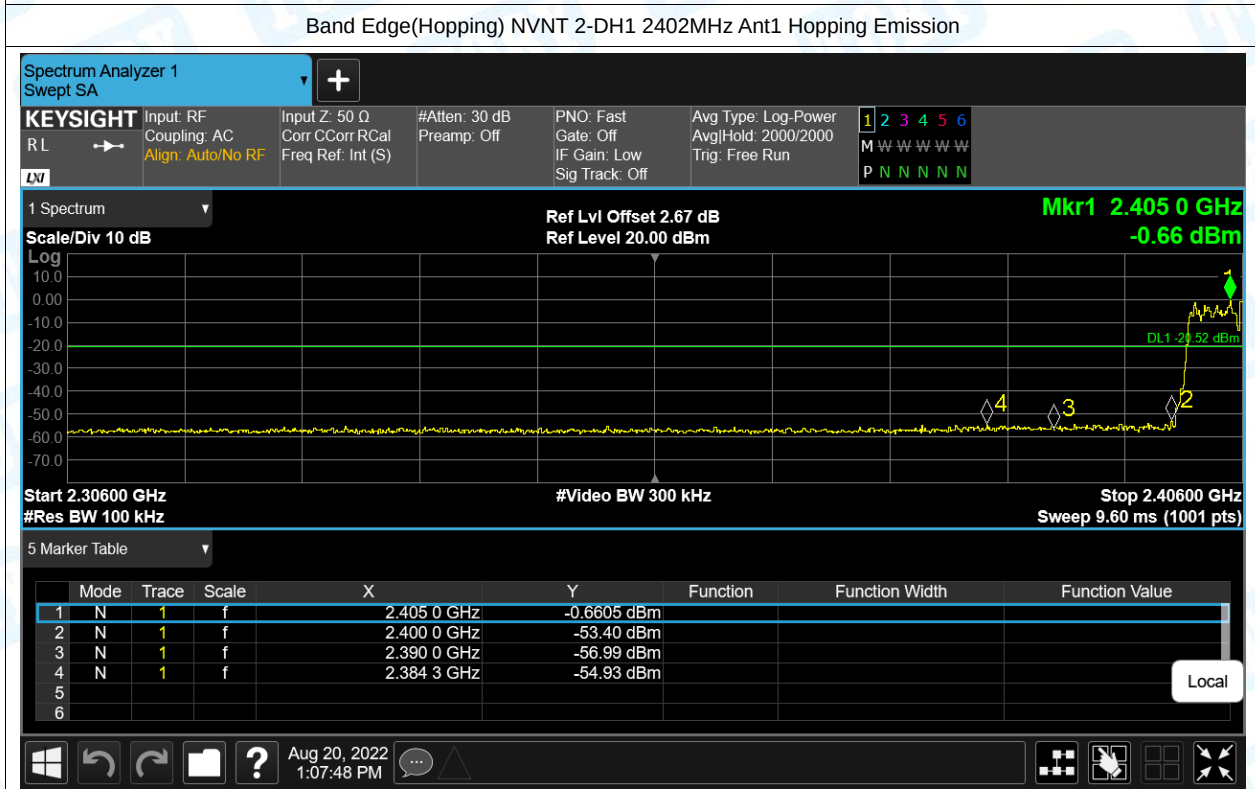
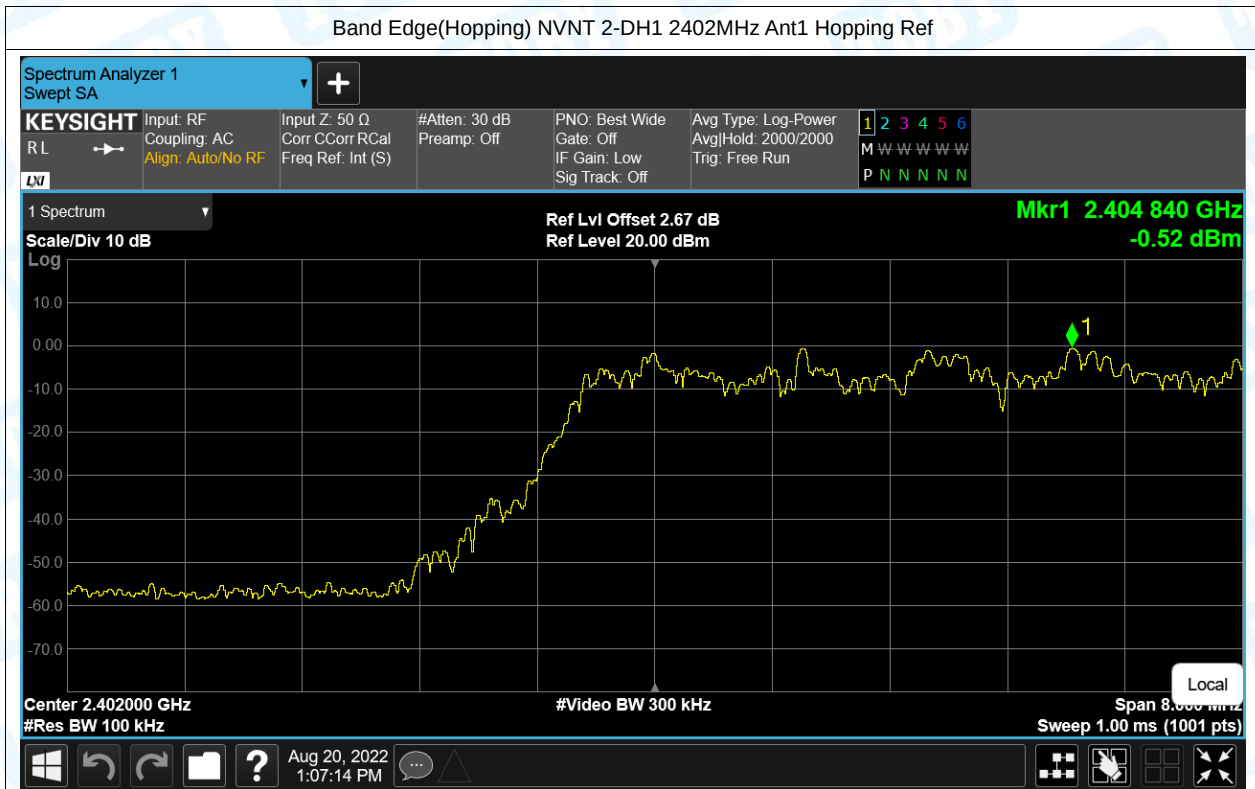


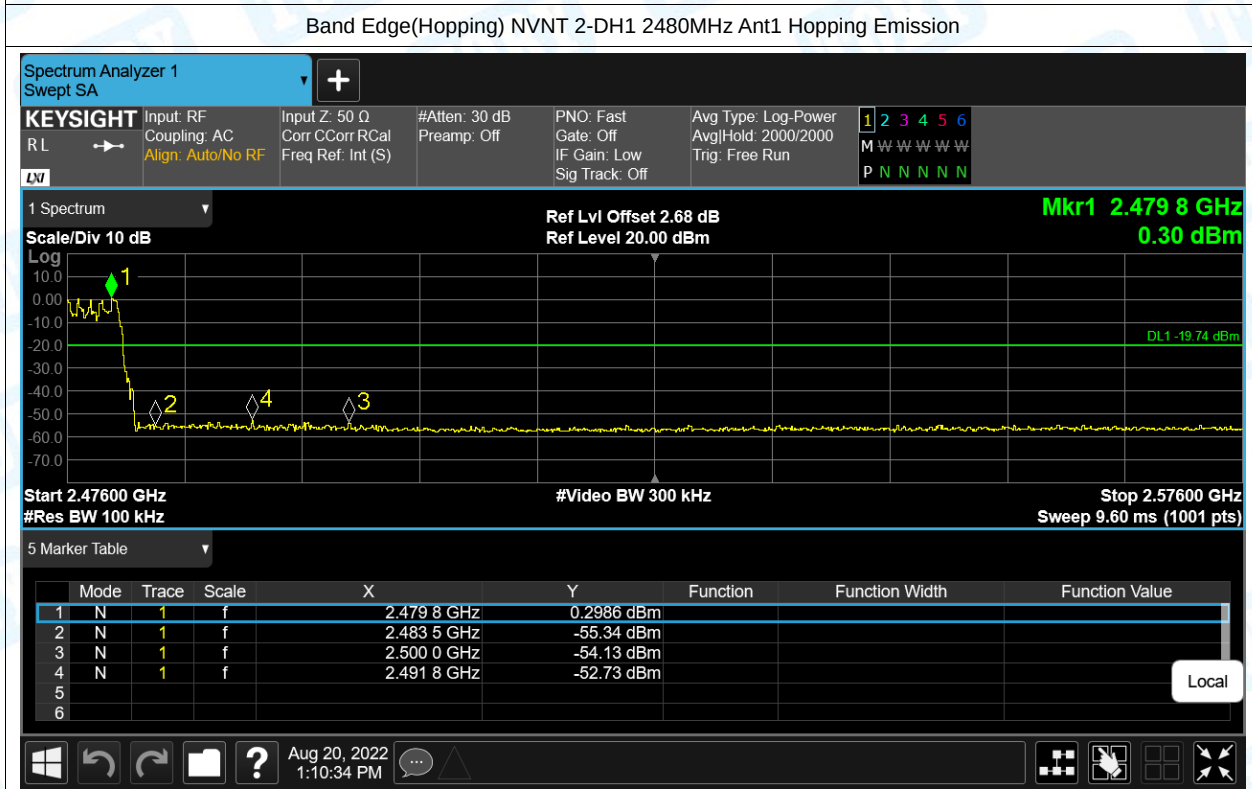
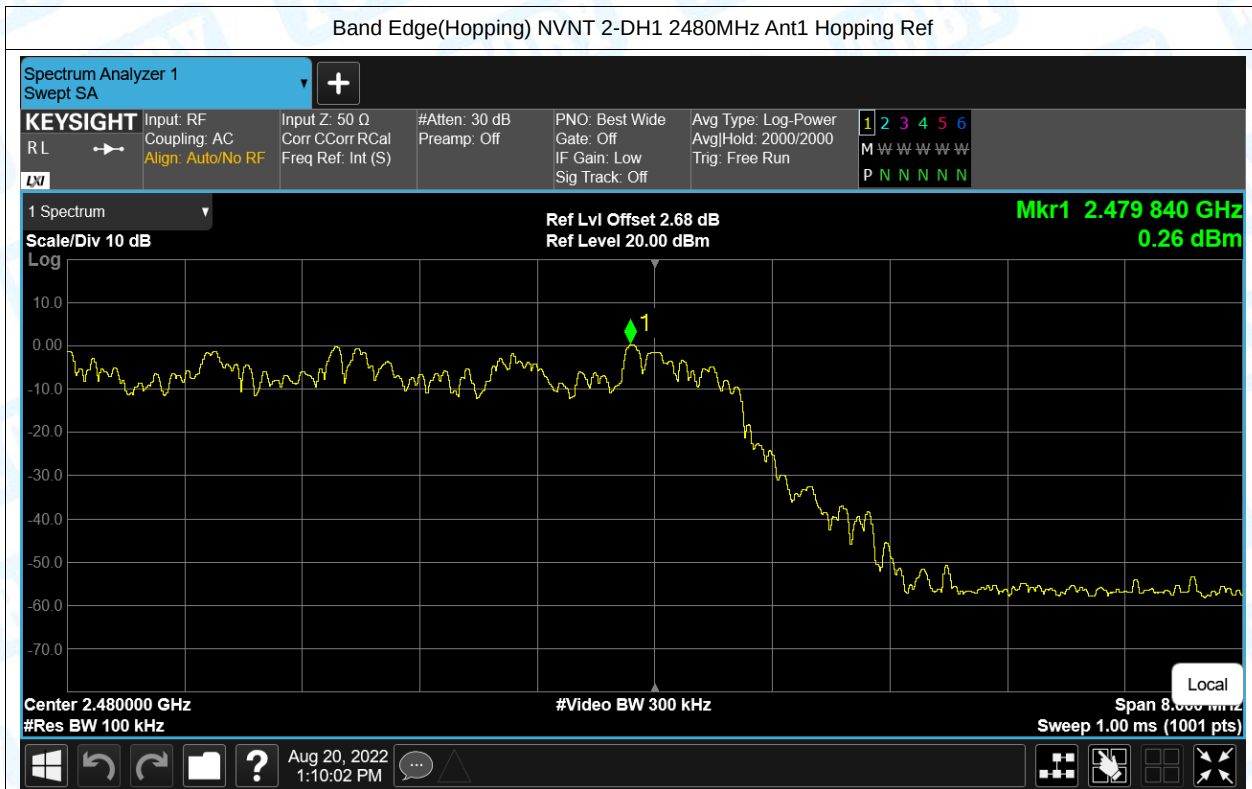
6. Band Edge(Hopping)

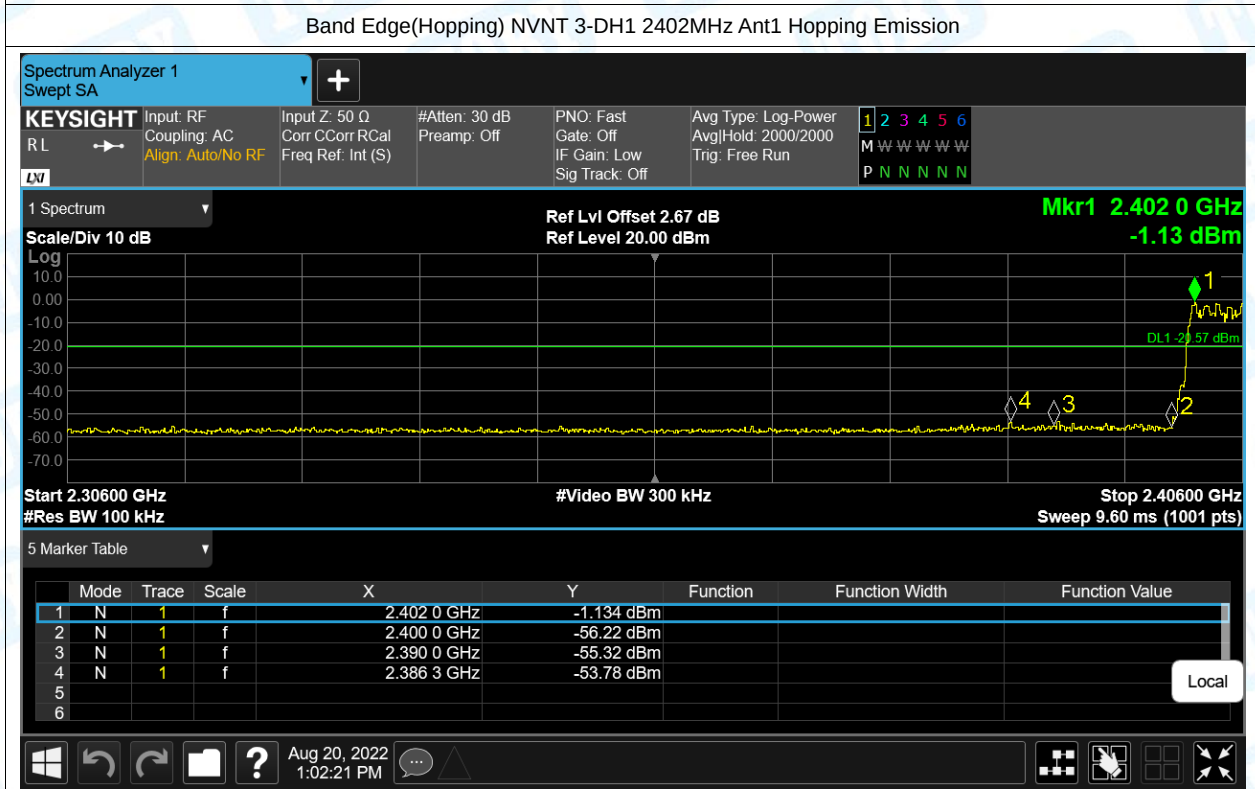
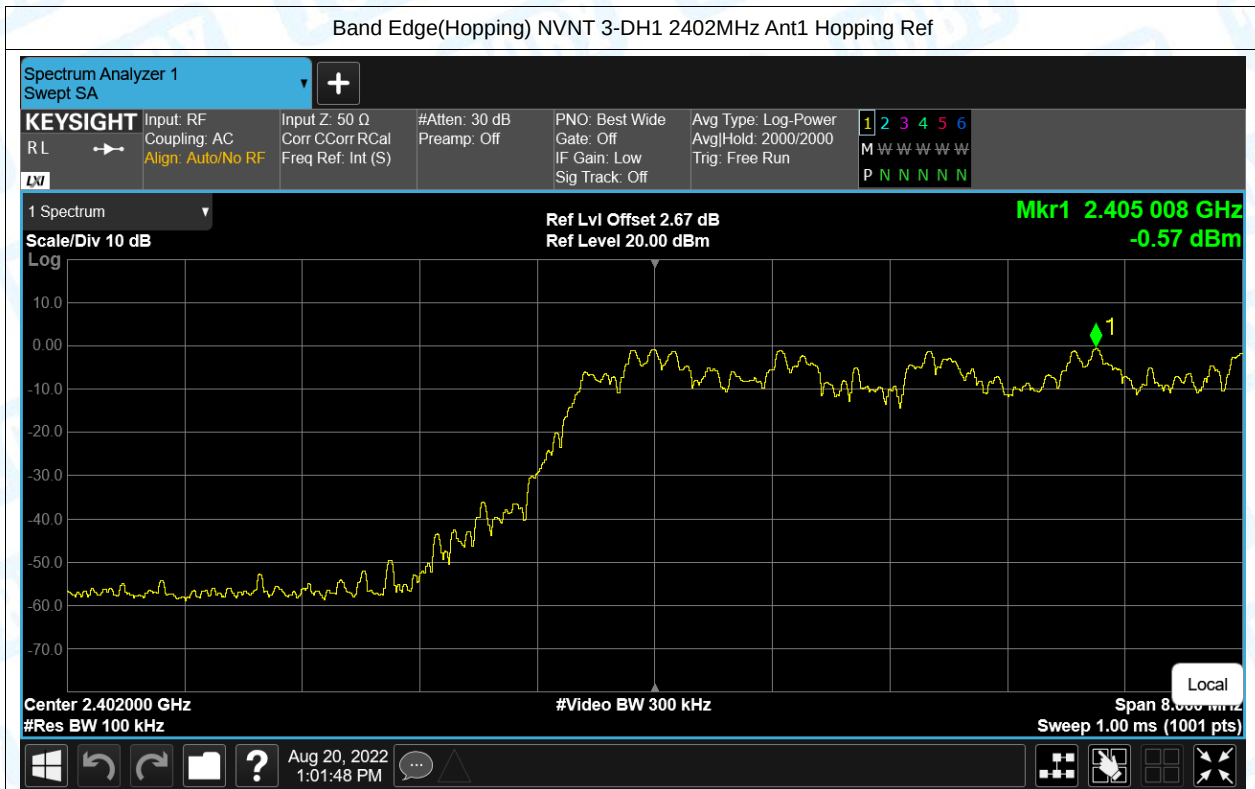
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-53.78	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-53.12	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-54.41	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-52.99	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-53.21	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-52.78	-20	Pass

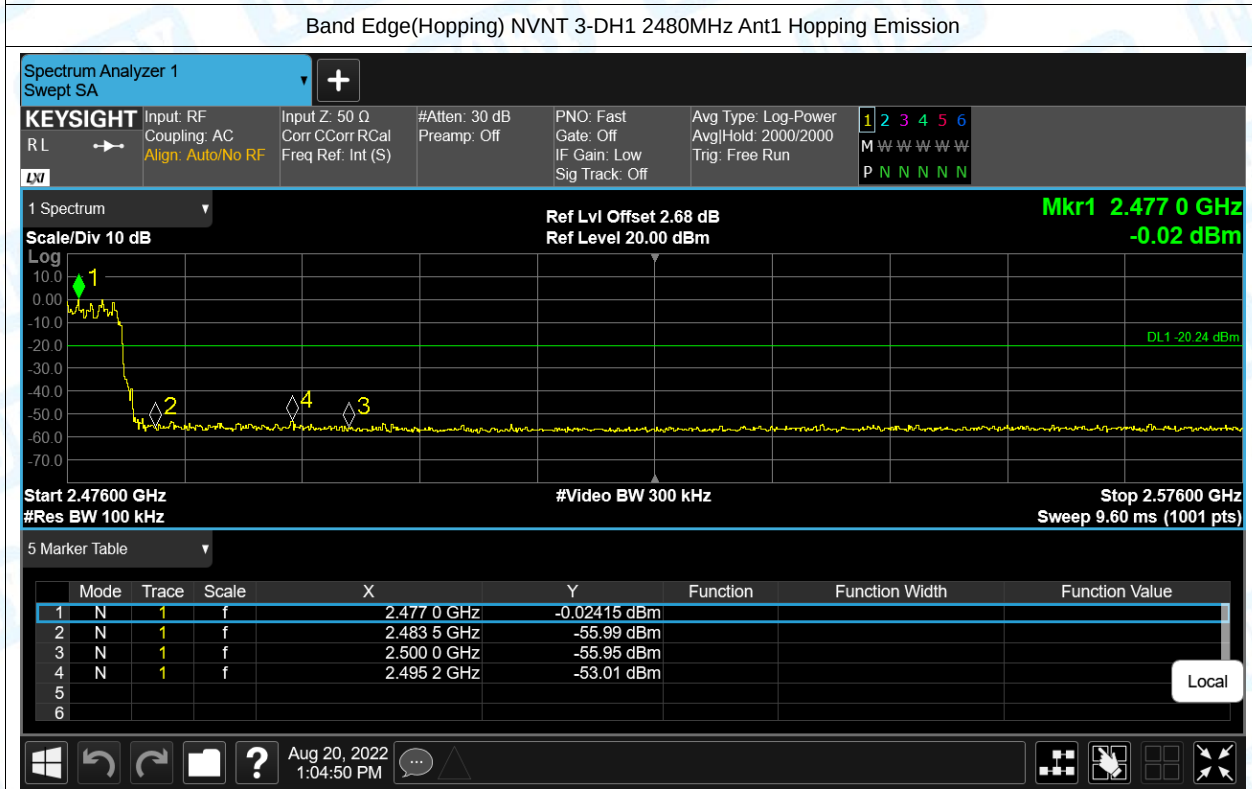
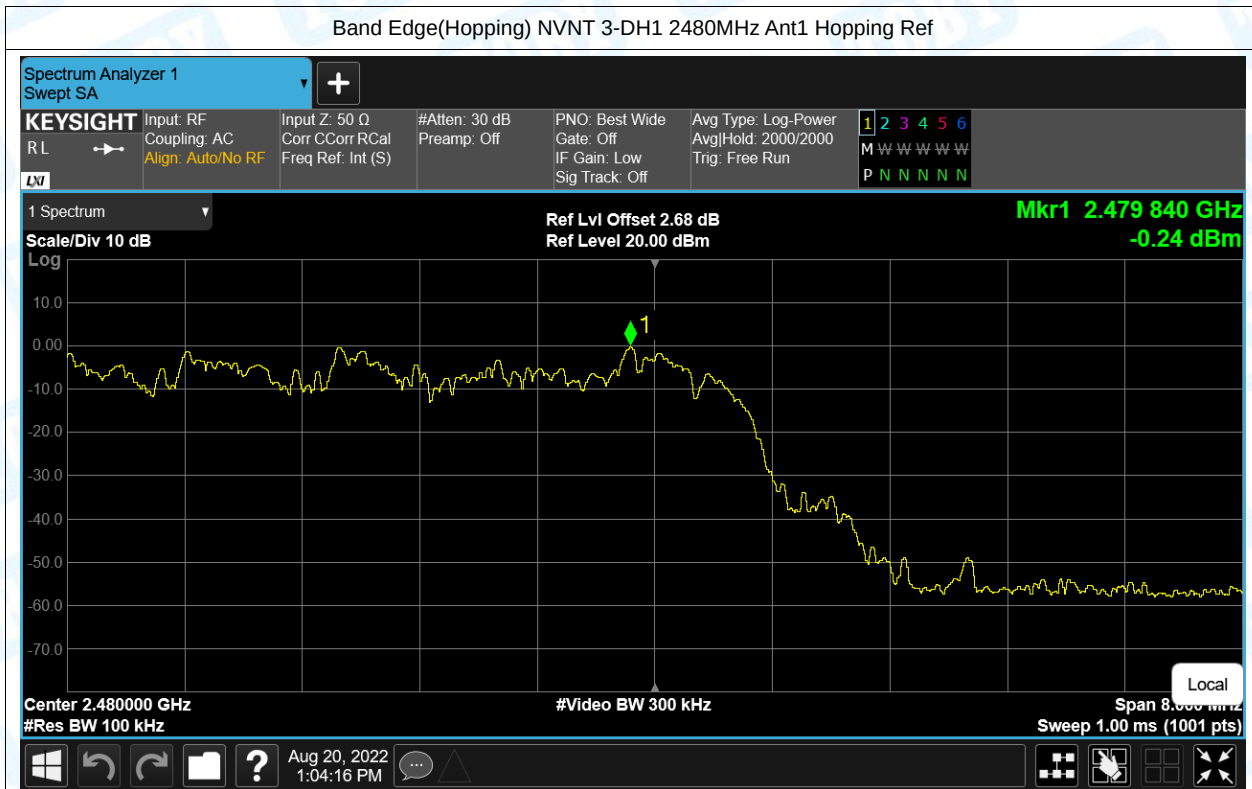












7. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-41.65	-20	Pass
NVNT	1-DH1	2441	Ant1	-42.81	-20	Pass
NVNT	1-DH1	2480	Ant1	-43.26	-20	Pass
NVNT	2-DH1	2402	Ant1	-46.22	-20	Pass
NVNT	2-DH1	2441	Ant1	-43.38	-20	Pass
NVNT	2-DH1	2480	Ant1	-40.69	-20	Pass
NVNT	3-DH1	2402	Ant1	-41.75	-20	Pass
NVNT	3-DH1	2441	Ant1	-43.26	-20	Pass
NVNT	3-DH1	2480	Ant1	-41.15	-20	Pass

