

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

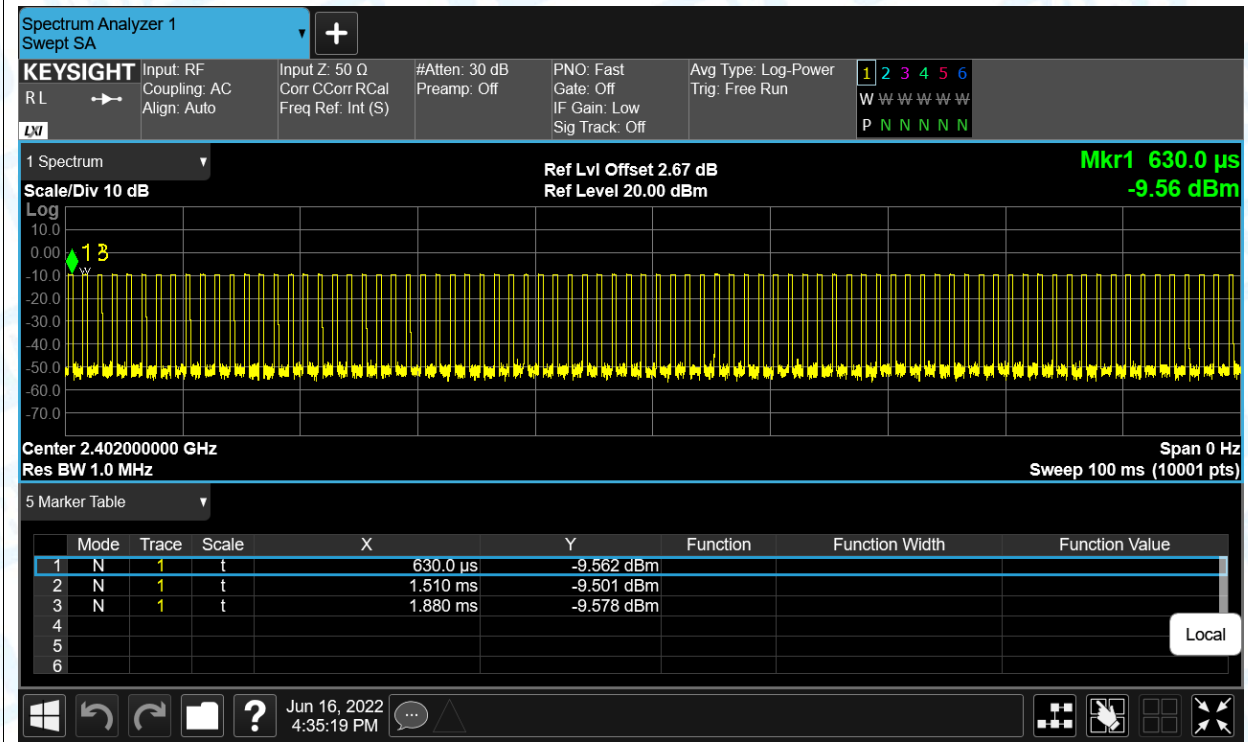
General Description of EUT	
Product Name:	GT4
Test Model:	GT4
Sample ID:	202206-0047-2-2#
Environmental Conditions	
Temperature:	24°C
Relative Humidity:	50%
Test Voltage:	DC 3.7V
Test Engineer:	Liufeng
Note: For a more detailed features description, please refer to the report TBR-C-202206-0047-7.	

Duty Cycle

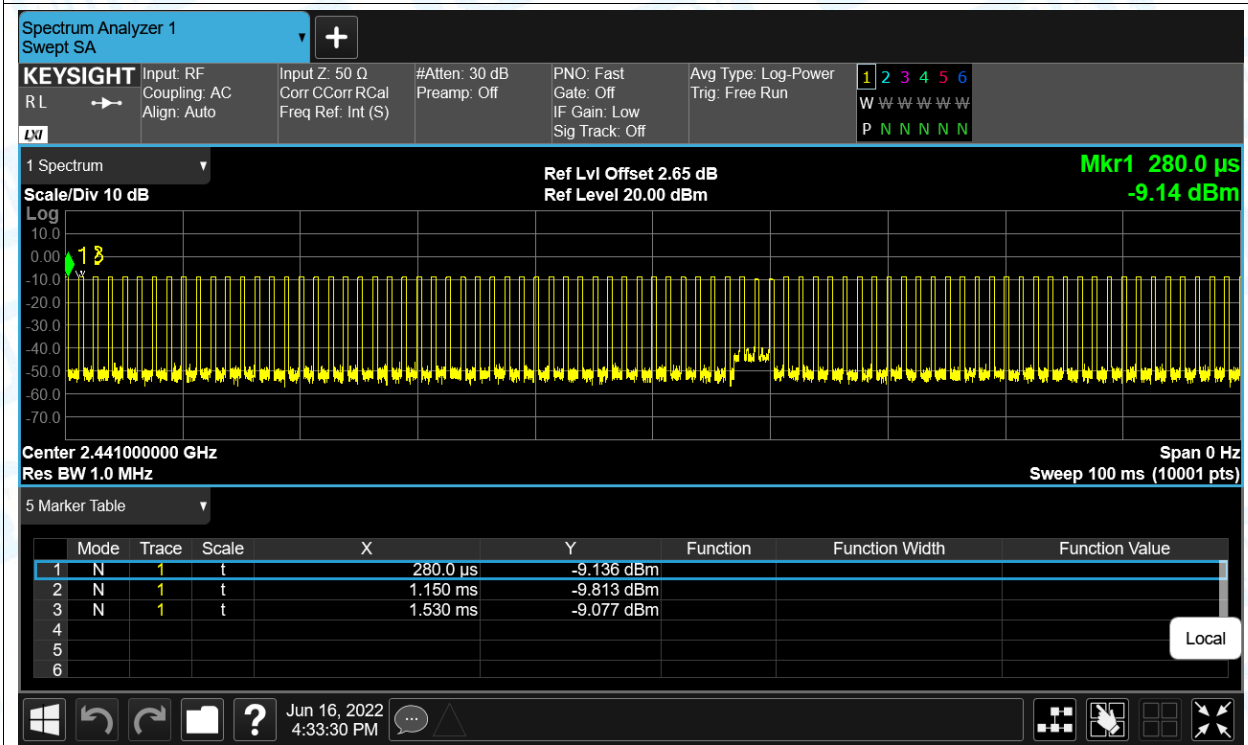
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH1	2402	Ant1	30.4	5.17	2.7
NVNT	1-DH1	2441	Ant1	31.21	5.06	2.63
NVNT	1-DH1	2480	Ant1	30.45	5.16	2.63
NVNT	2-DH1	2402	Ant1	31.2	5.06	2.63
NVNT	2-DH1	2441	Ant1	32.01	4.95	2.56
NVNT	2-DH1	2480	Ant1	31.57	5.01	2.63
NVNT	3-DH1	2402	Ant1	32.01	4.95	2.56
NVNT	3-DH1	2441	Ant1	32.01	4.95	2.56
NVNT	3-DH1	2480	Ant1	31.2	5.06	2.63

Test Graphs

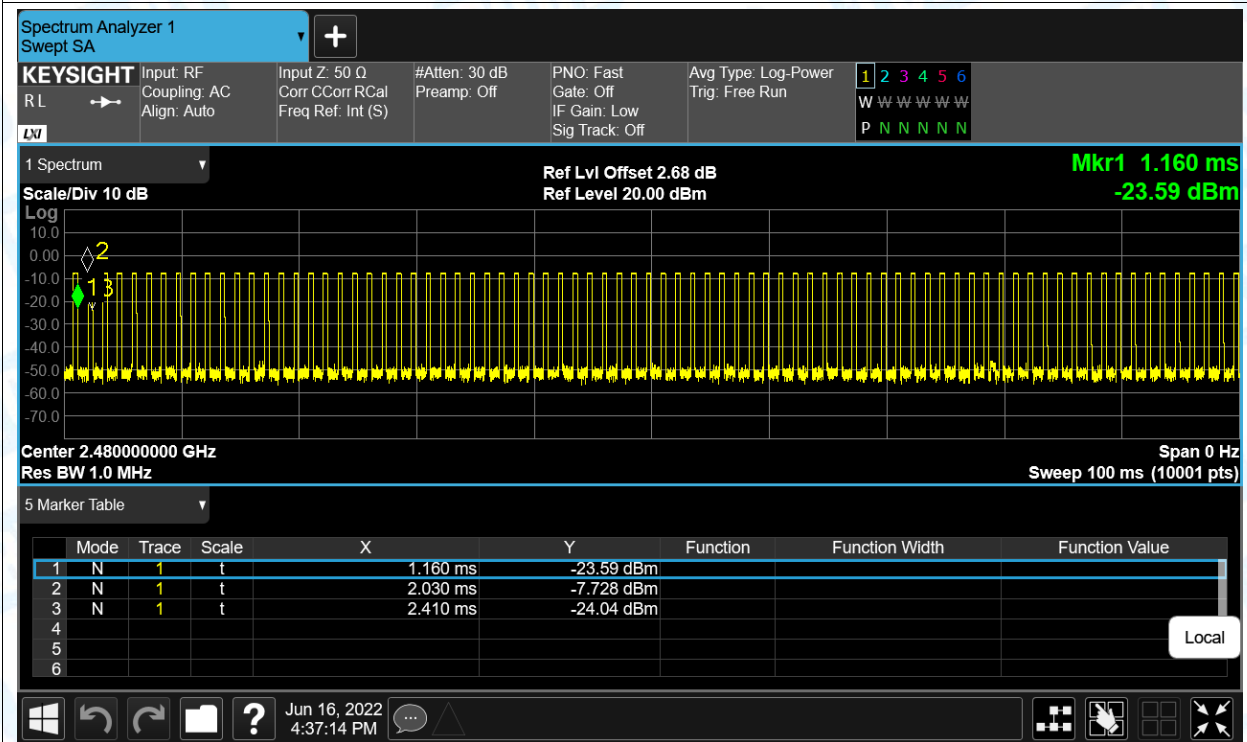
Duty Cycle NVNT 1-DH1 2402MHz Ant1



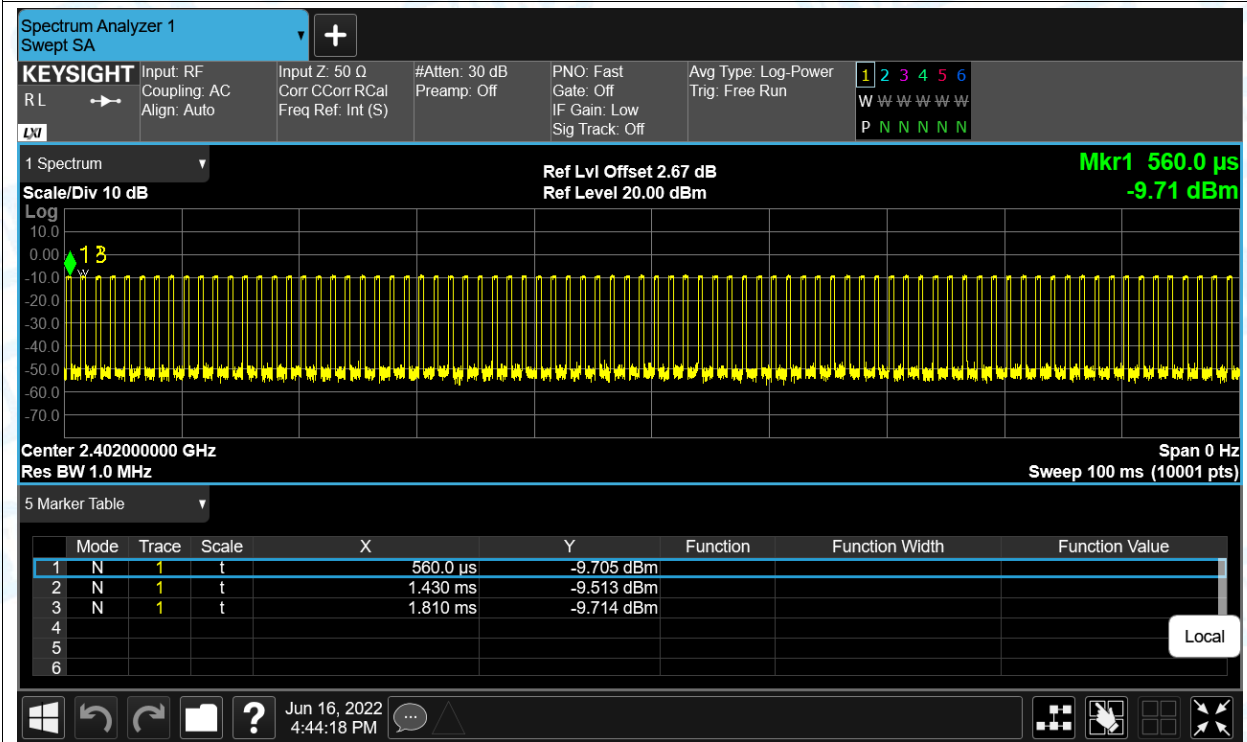
Duty Cycle NVNT 1-DH1 2441MHz Ant1



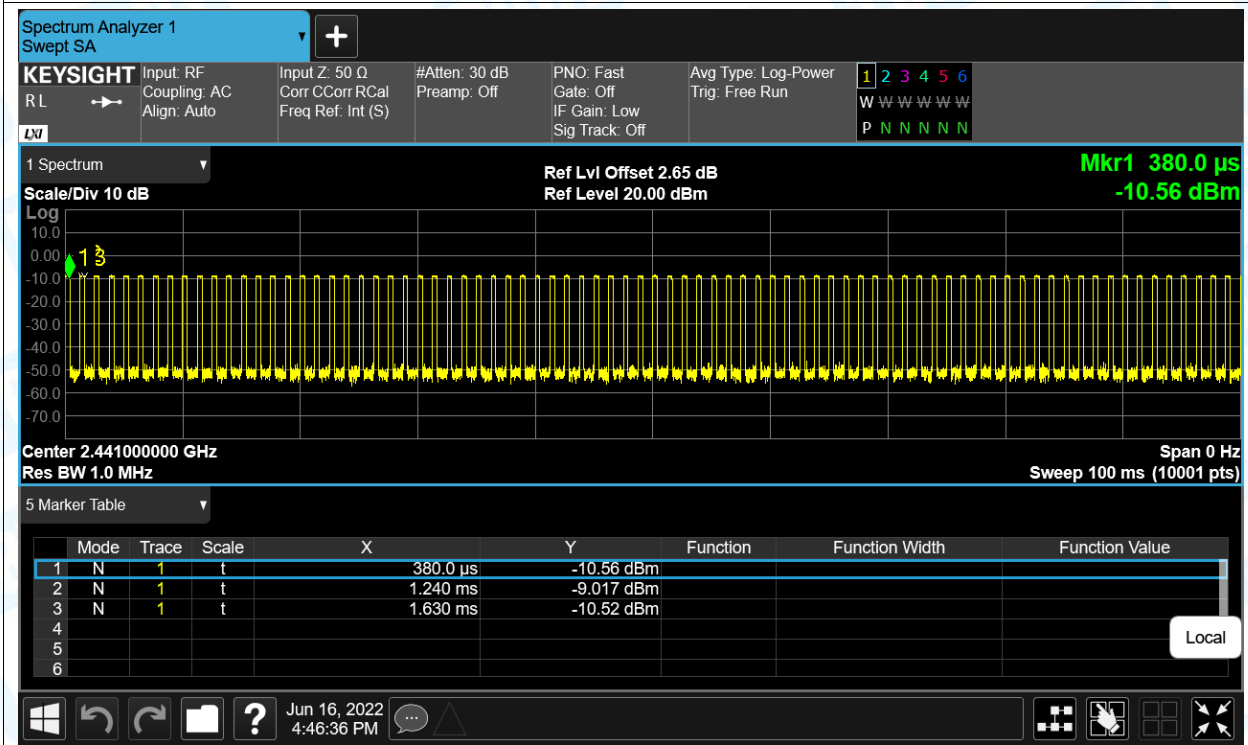
Duty Cycle NVNT 1-DH1 2480MHz Ant1



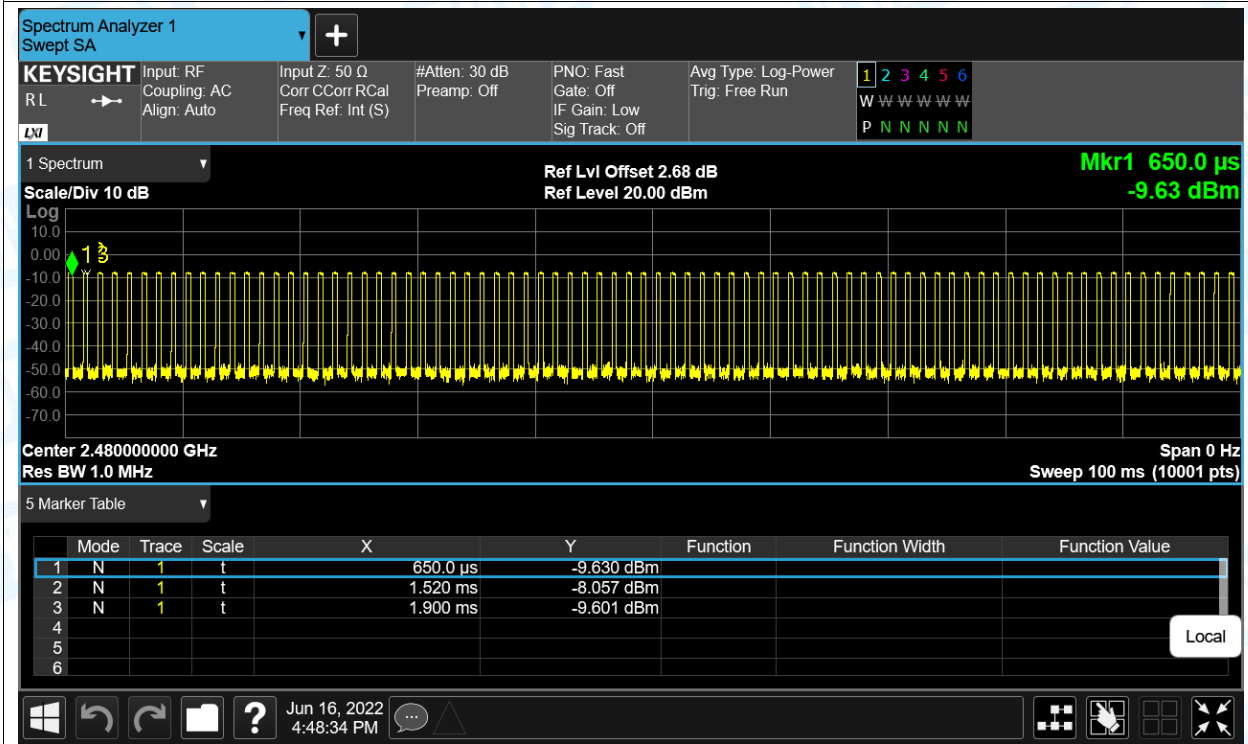
Duty Cycle NVNT 2-DH1 2402MHz Ant1



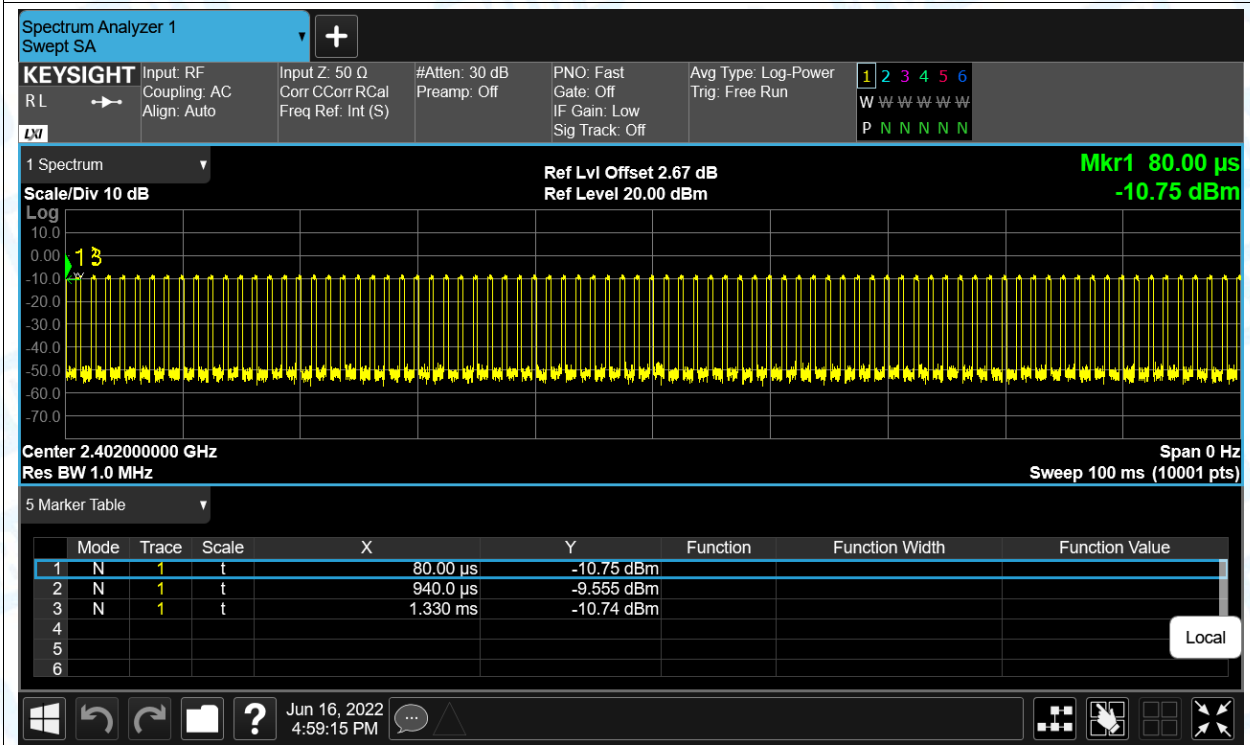
Duty Cycle NVNT 2-DH1 2441MHz Ant1



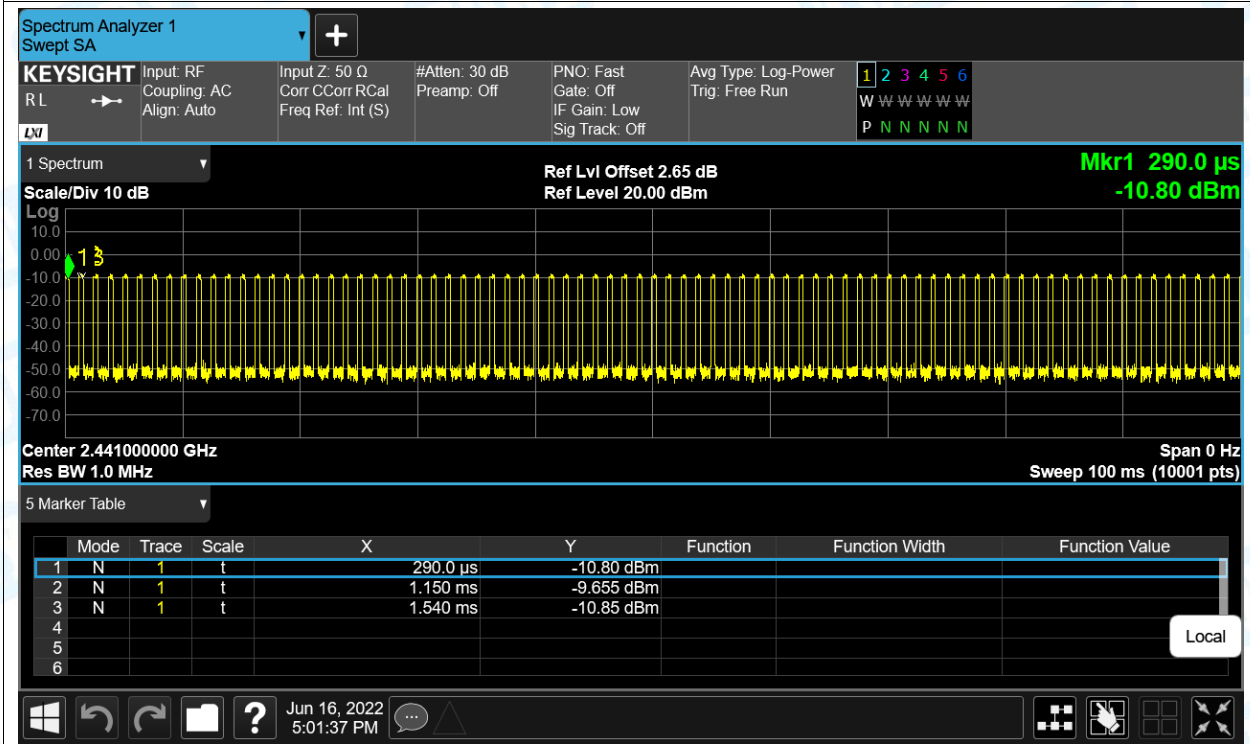
Duty Cycle NVNT 2-DH1 2480MHz Ant1

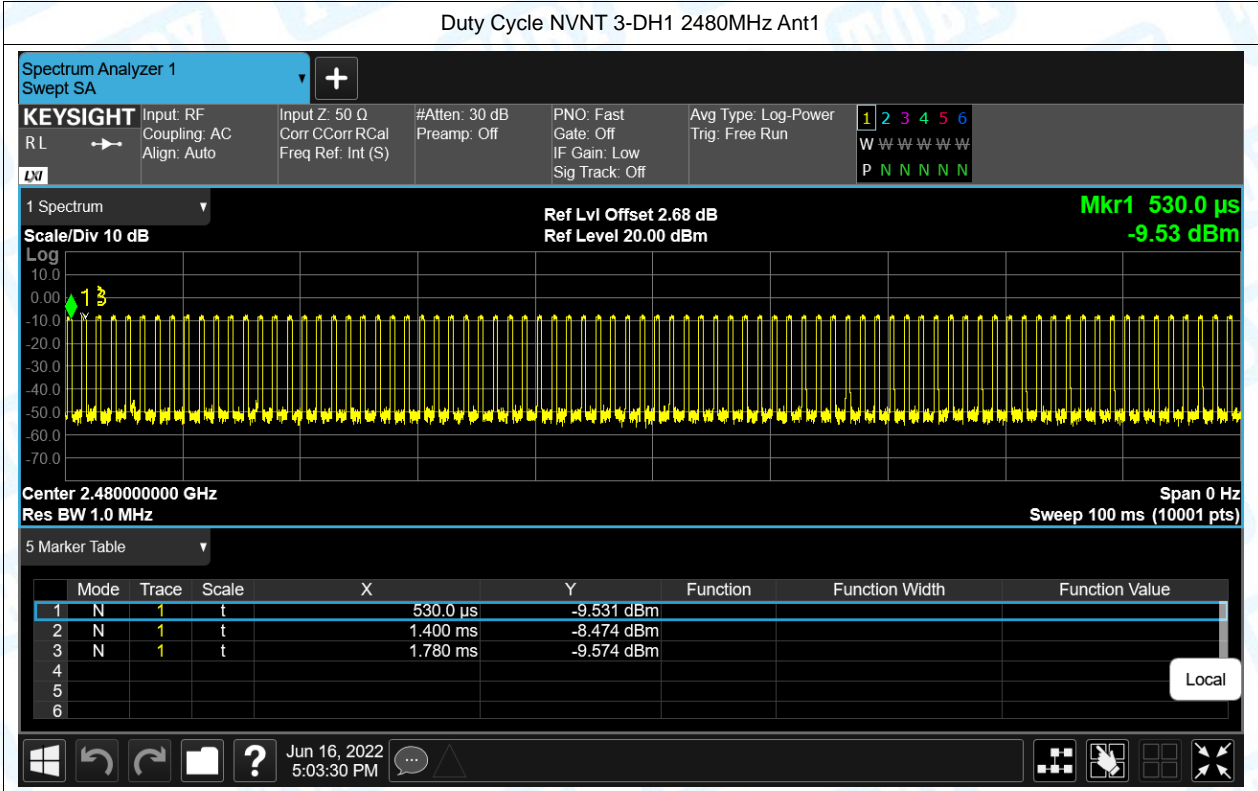


Duty Cycle NVNT 3-DH1 2402MHz Ant1



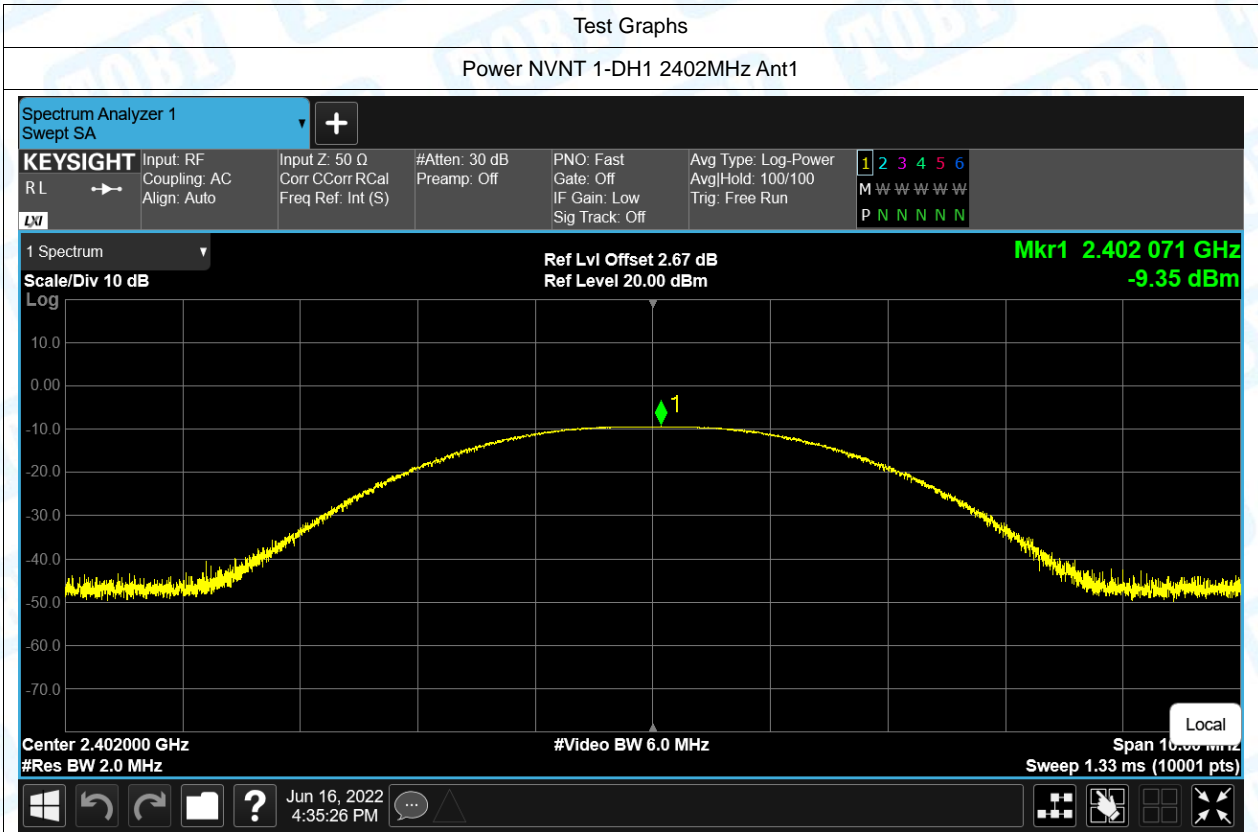
Duty Cycle NVNT 3-DH1 2441MHz Ant1

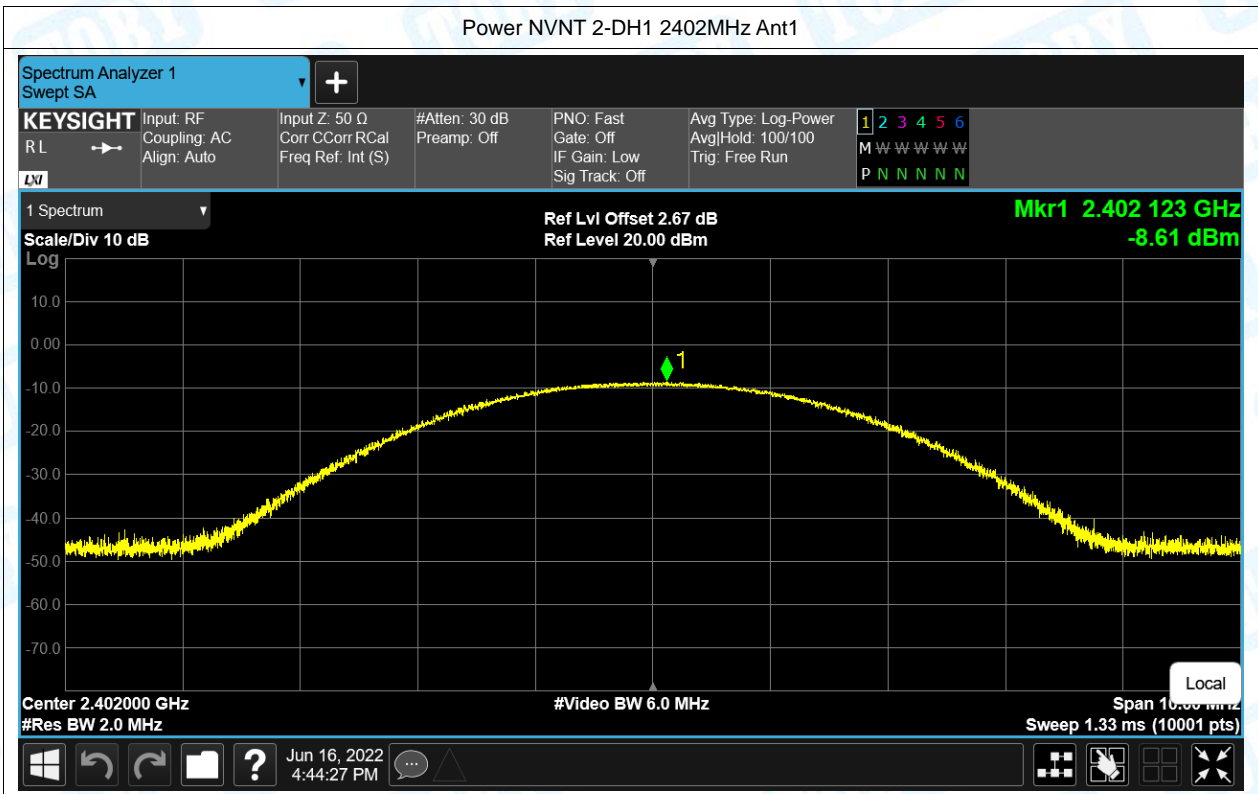


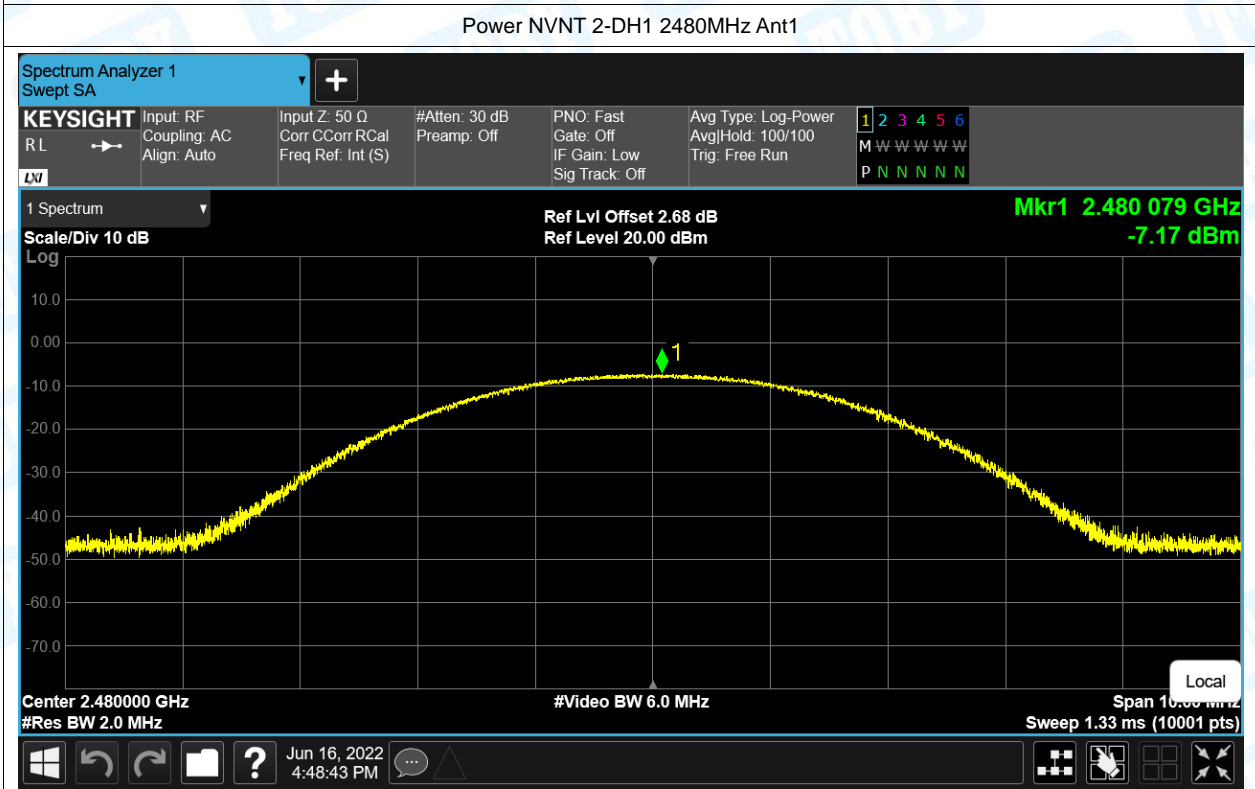


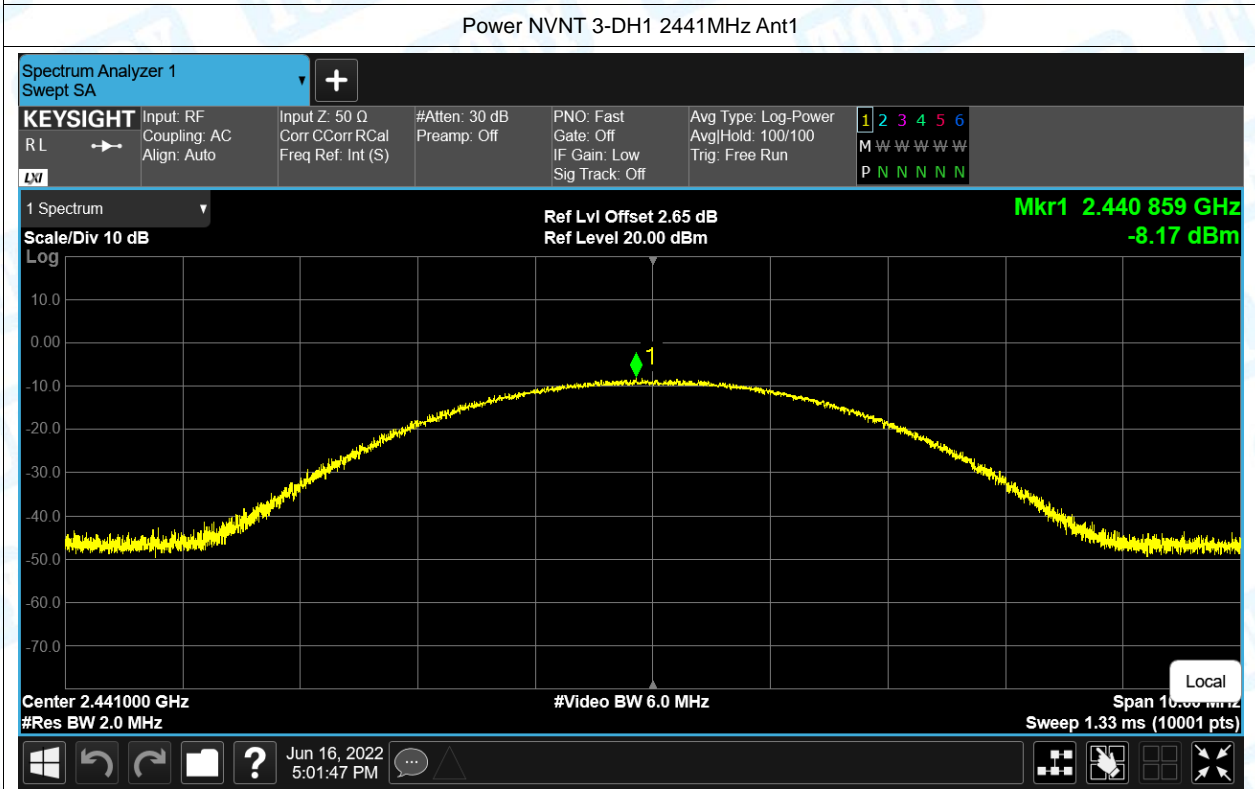
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	-9.35	21	Pass
NVNT	1-DH1	2441	Ant1	-8.82	21	Pass
NVNT	1-DH1	2480	Ant1	-7.66	21	Pass
NVNT	2-DH1	2402	Ant1	-8.61	21	Pass
NVNT	2-DH1	2441	Ant1	-8.15	21	Pass
NVNT	2-DH1	2480	Ant1	-7.17	21	Pass
NVNT	3-DH1	2402	Ant1	-8.01	21	Pass
NVNT	3-DH1	2441	Ant1	-8.17	21	Pass
NVNT	3-DH1	2480	Ant1	-7.19	21	Pass





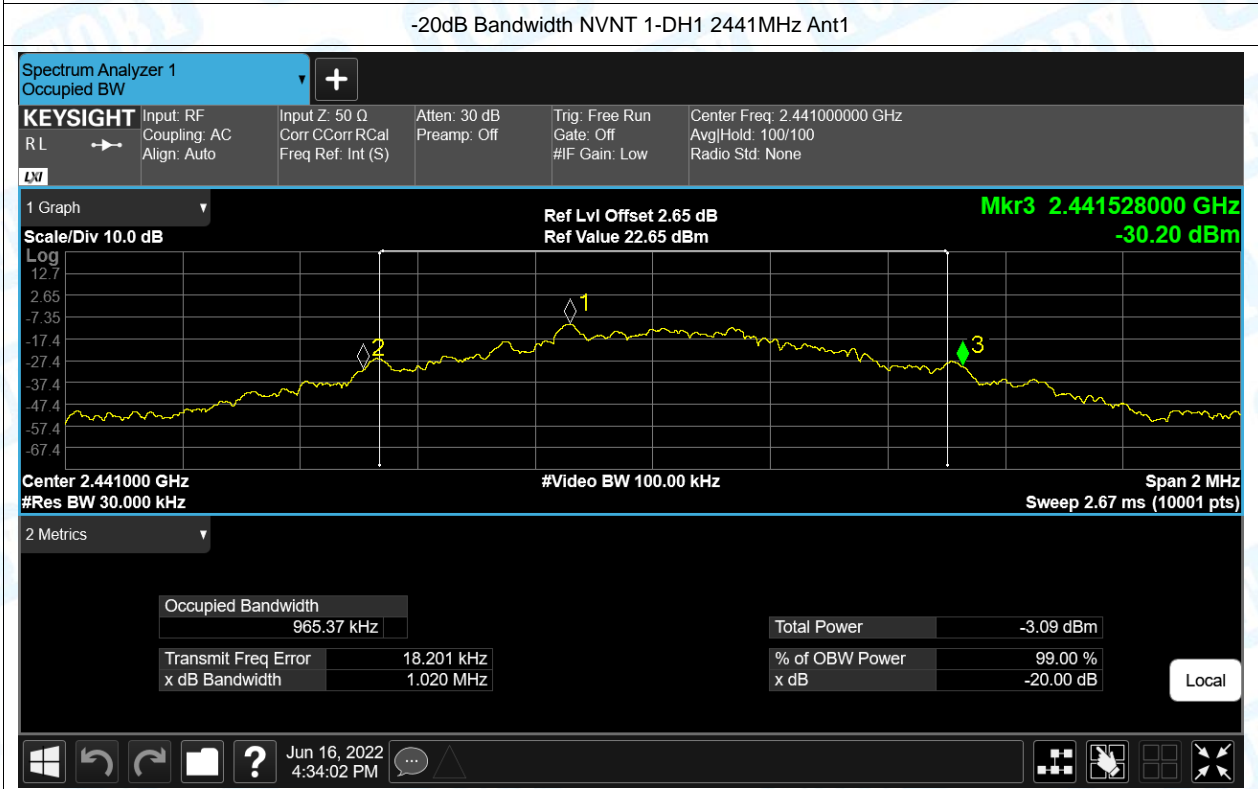
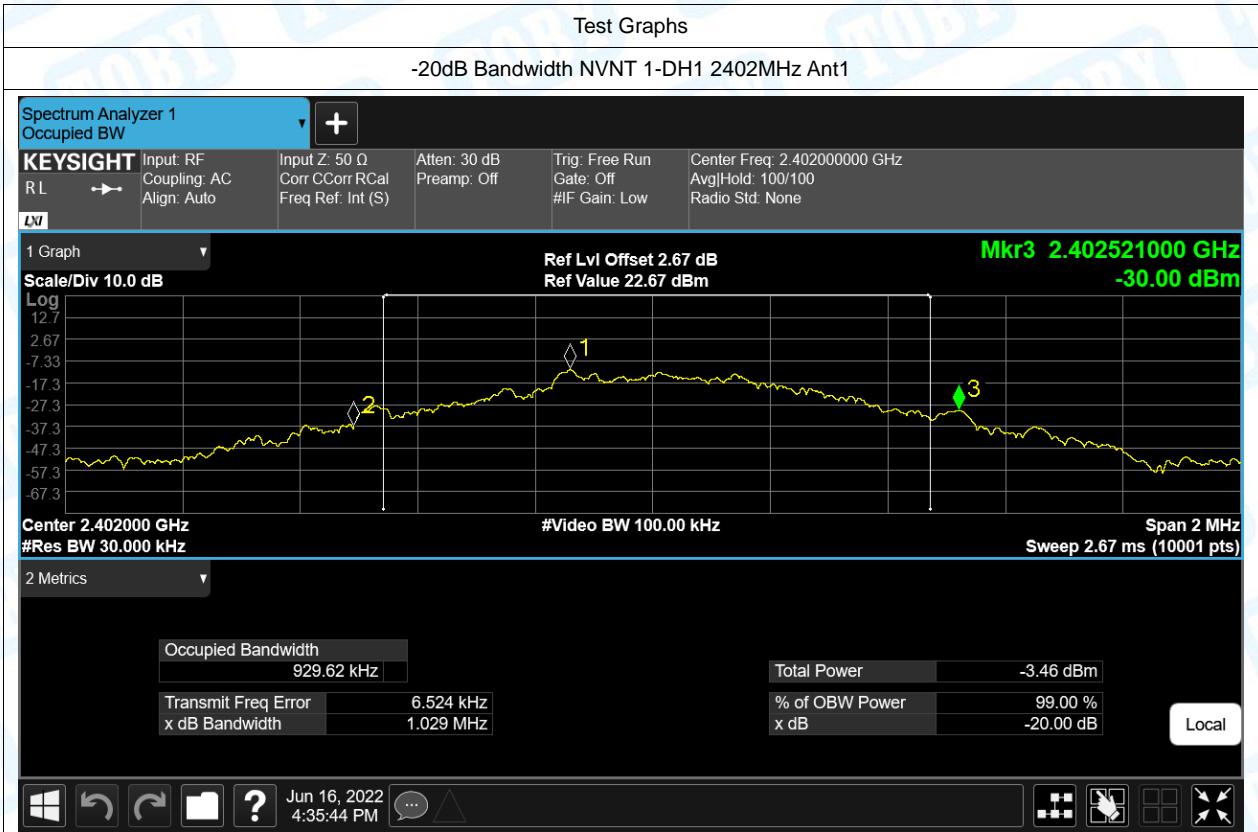


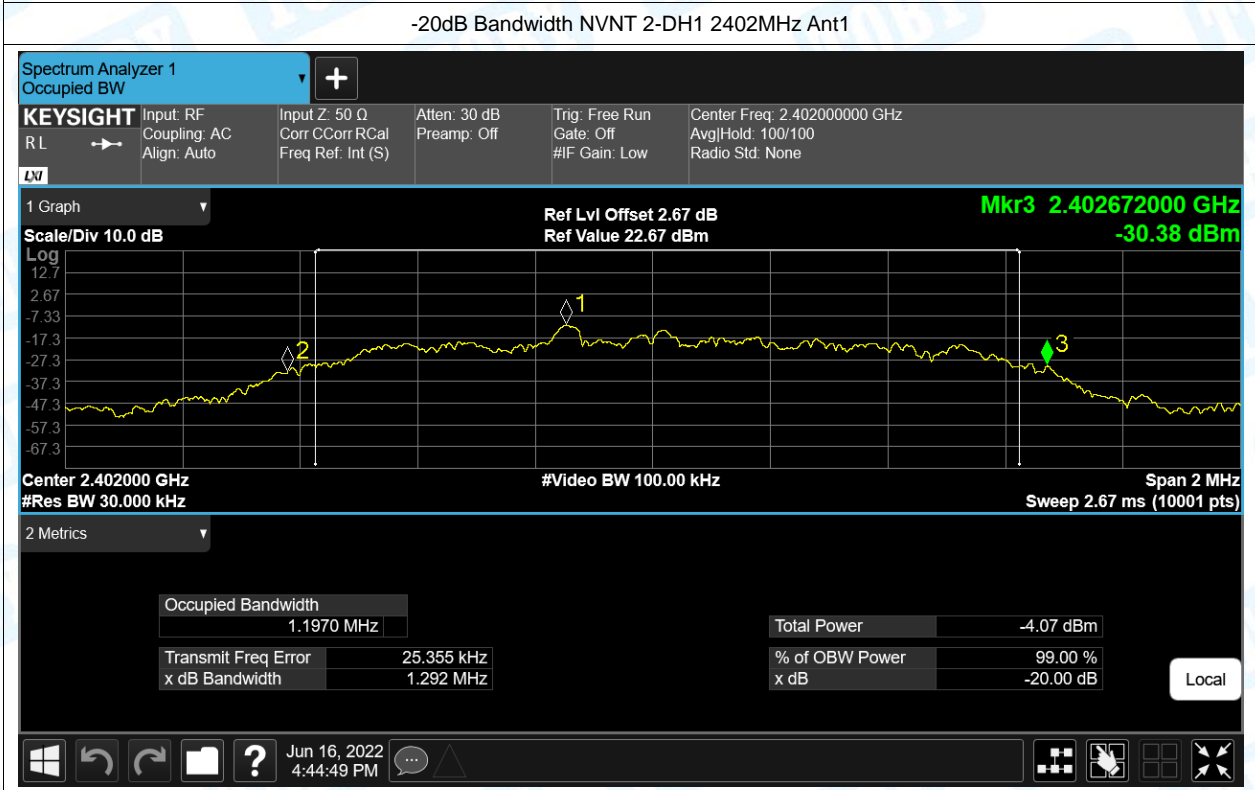
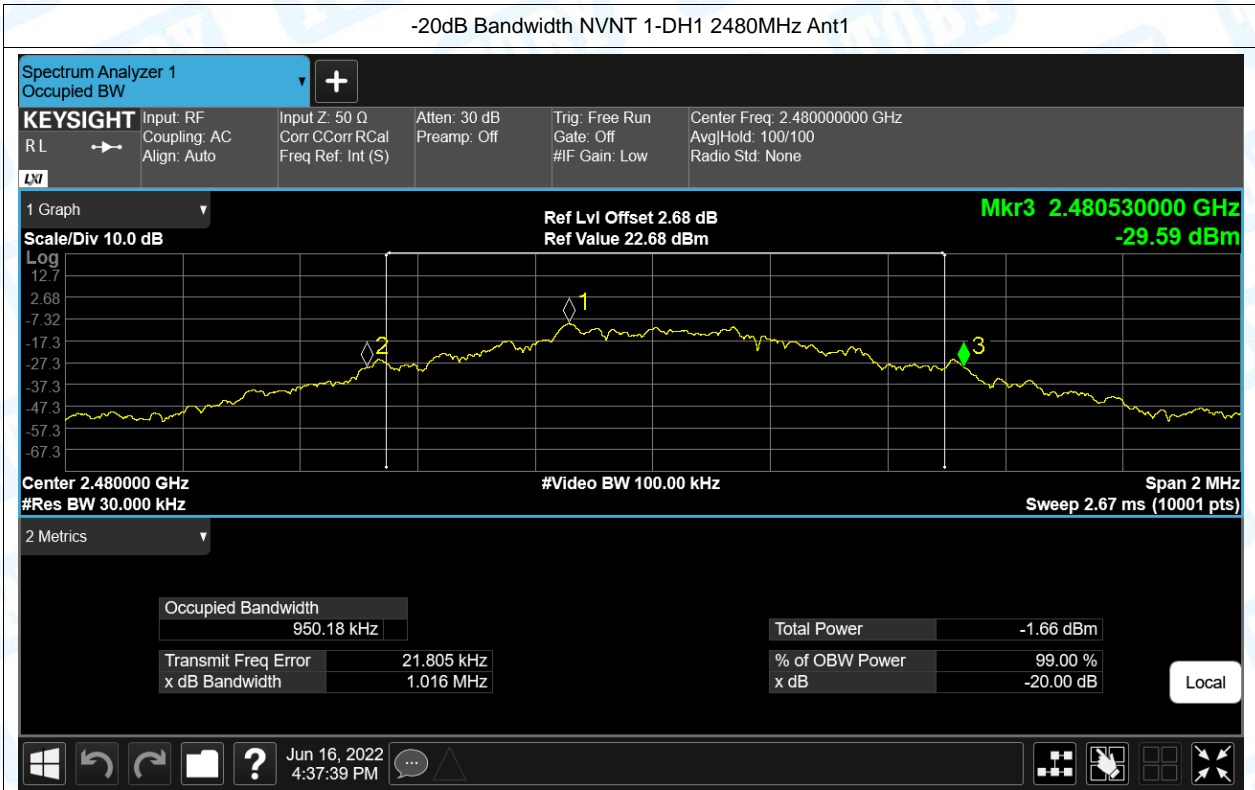




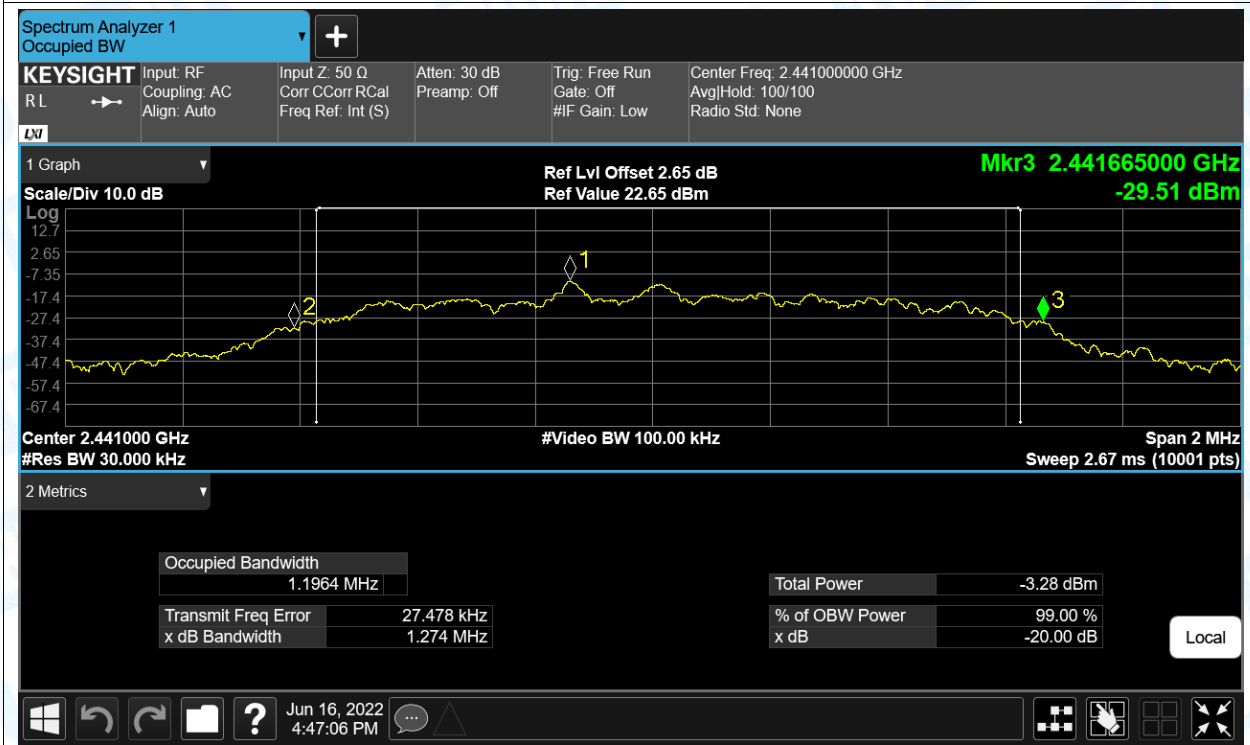
-20dB Bandwidth

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	1.02	0	Pass
NVNT	1-DH1	2480	Ant1	1.02	0	Pass
NVNT	2-DH1	2402	Ant1	1.29	0	Pass
NVNT	2-DH1	2441	Ant1	1.27	0	Pass
NVNT	2-DH1	2480	Ant1	1.26	0	Pass
NVNT	3-DH1	2402	Ant1	1.24	0	Pass
NVNT	3-DH1	2441	Ant1	1.24	0	Pass
NVNT	3-DH1	2480	Ant1	1.26	0	Pass

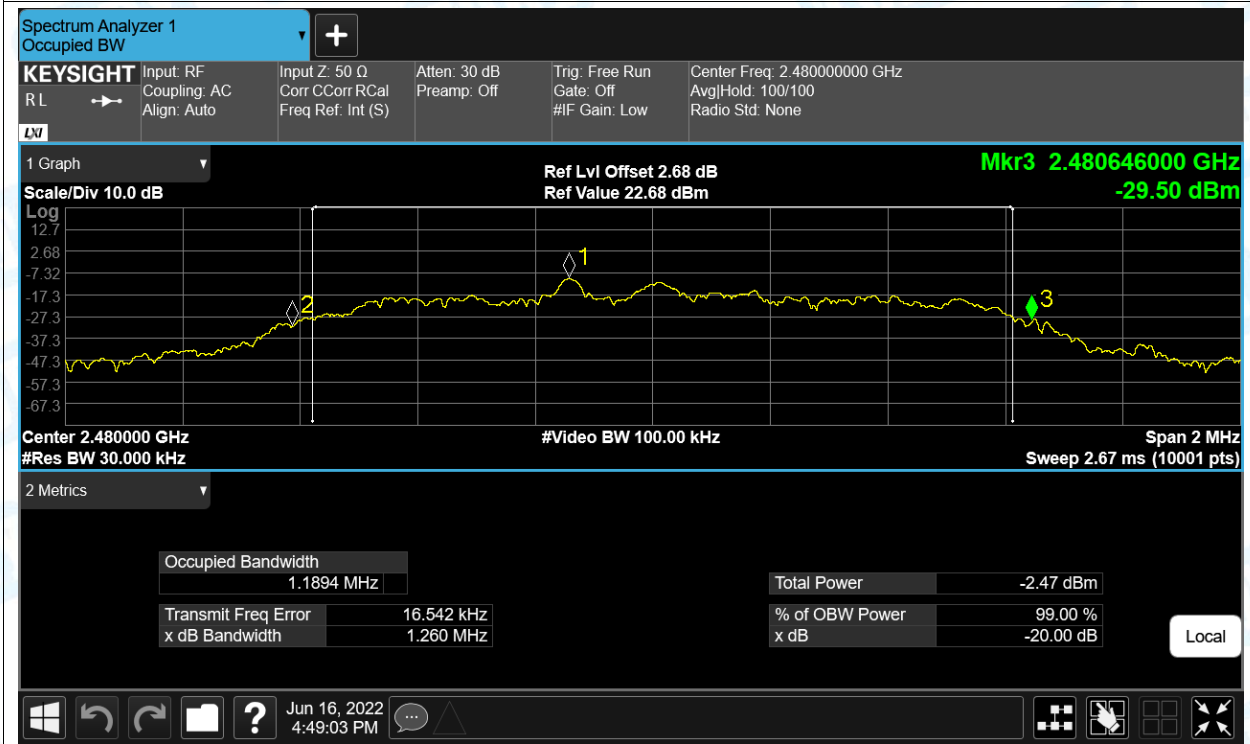




-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



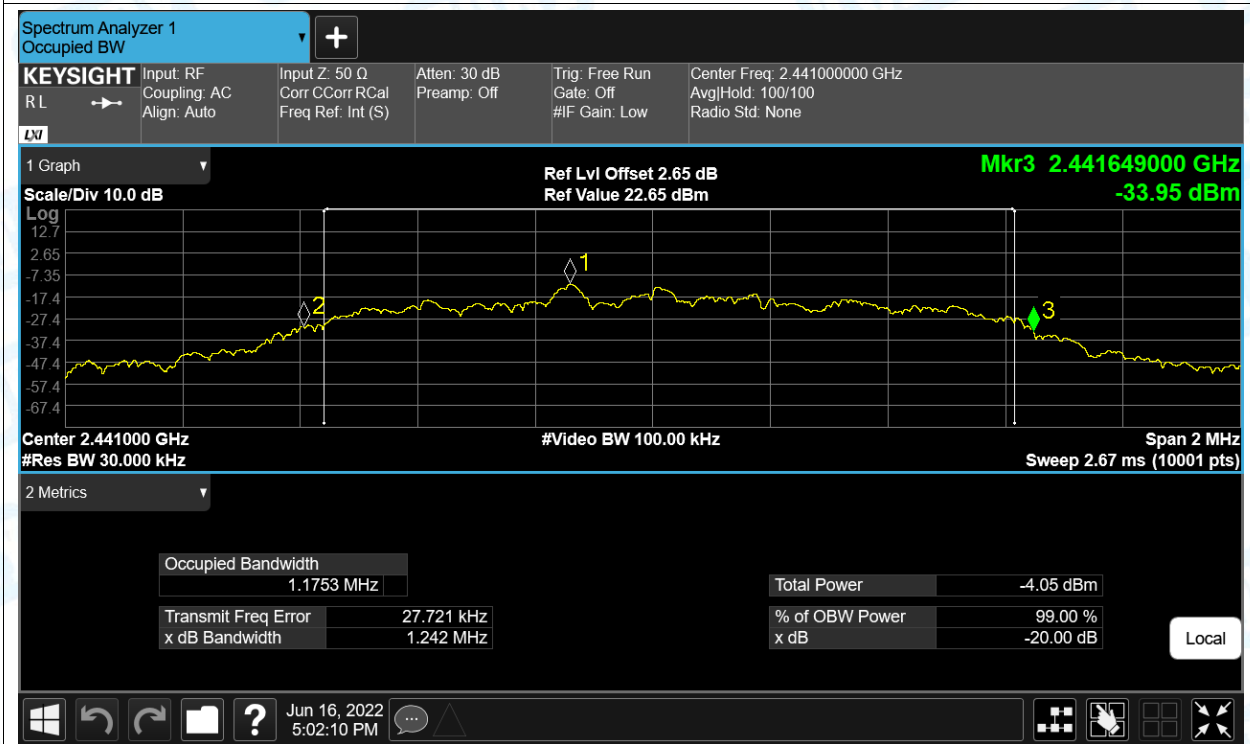
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1

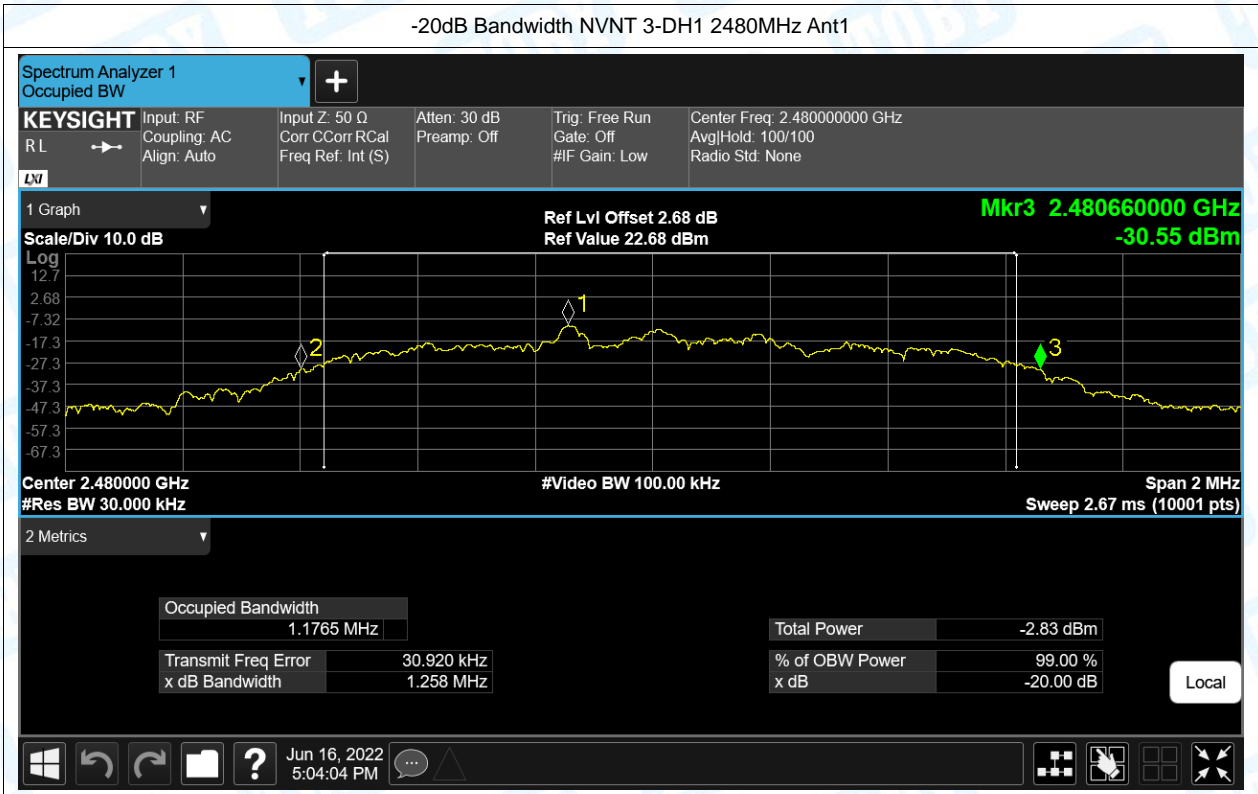


-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



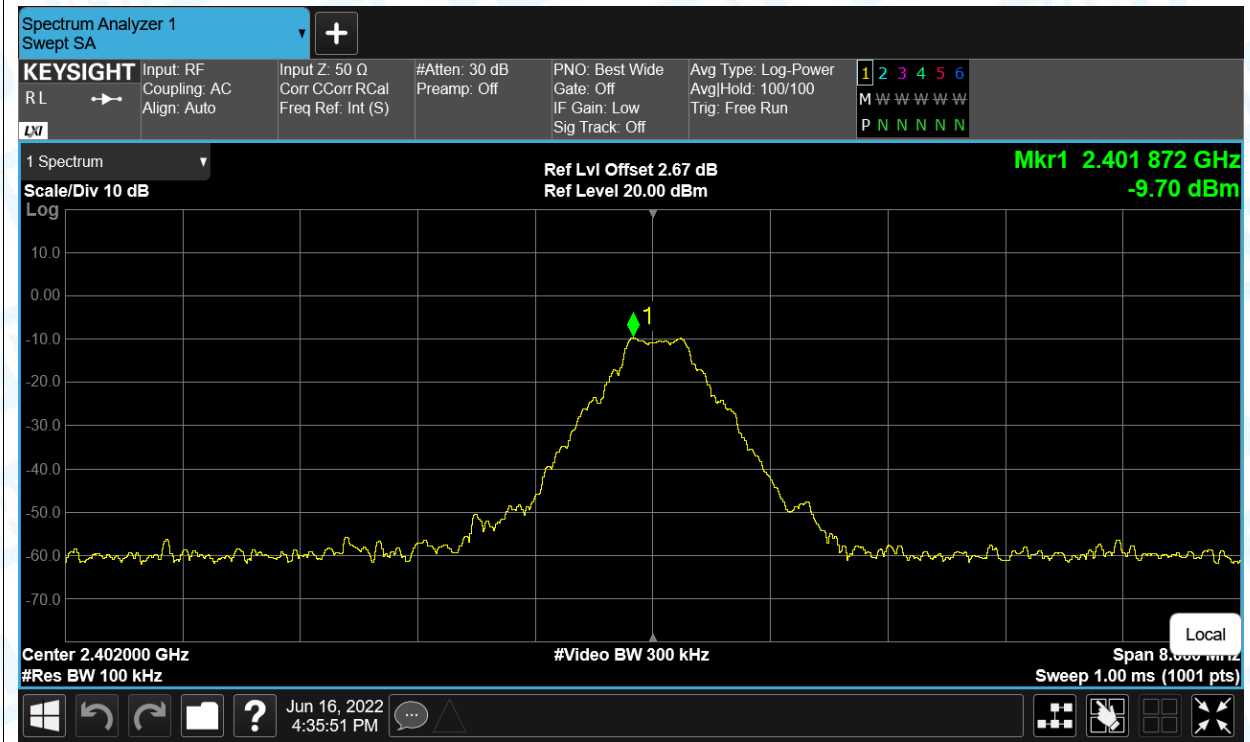


Band Edge

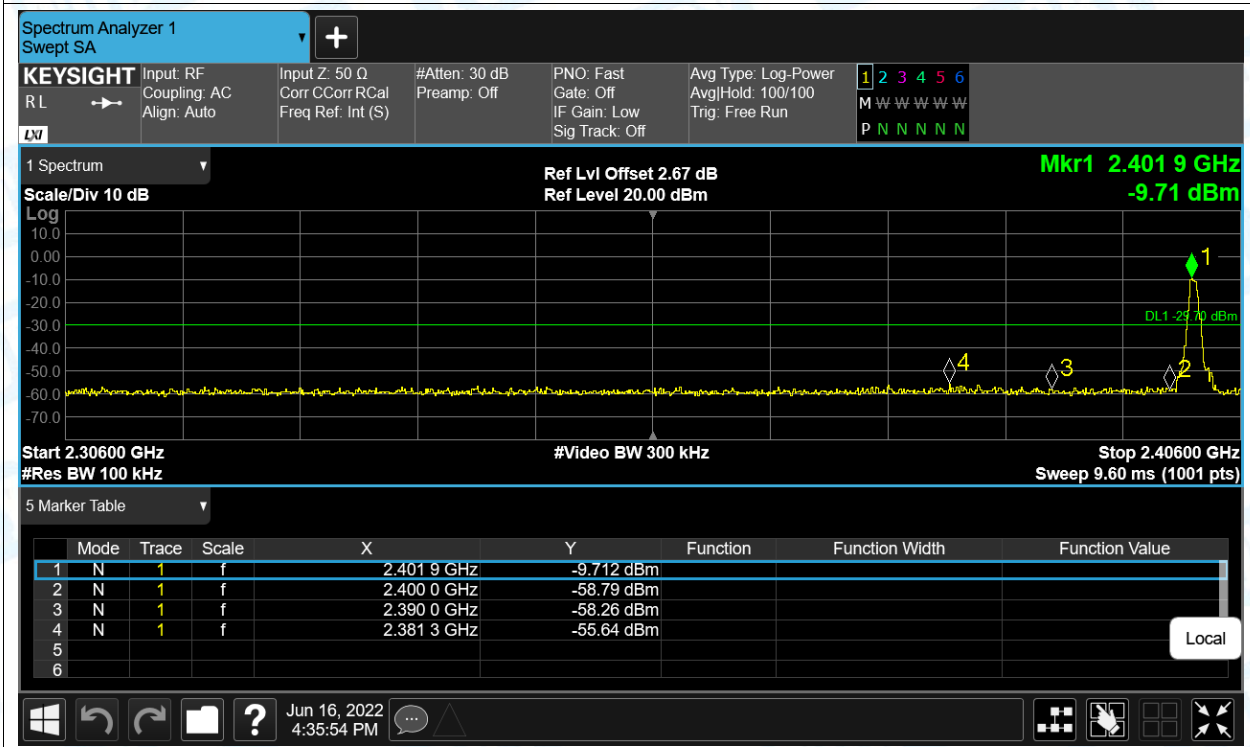
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-45.94	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-48.26	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-45.4	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-48.02	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-46.15	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-46.99	-20	Pass

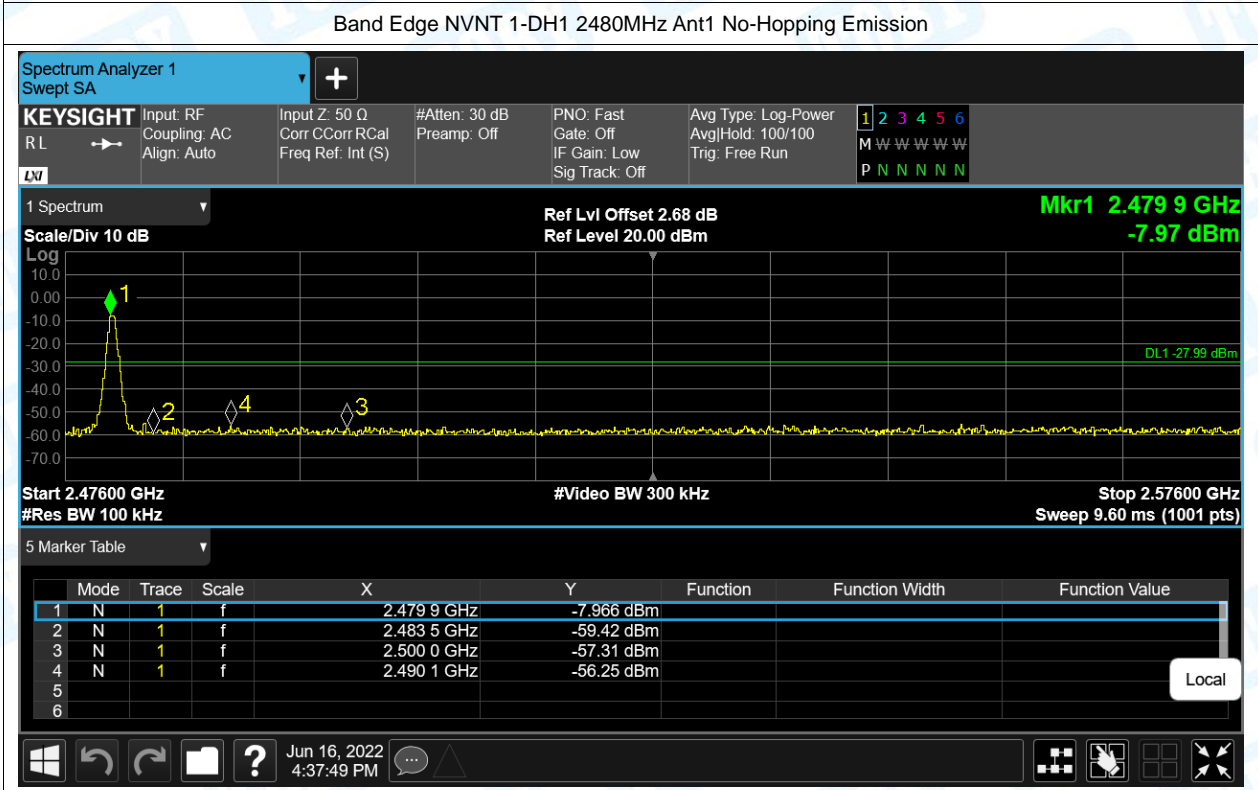
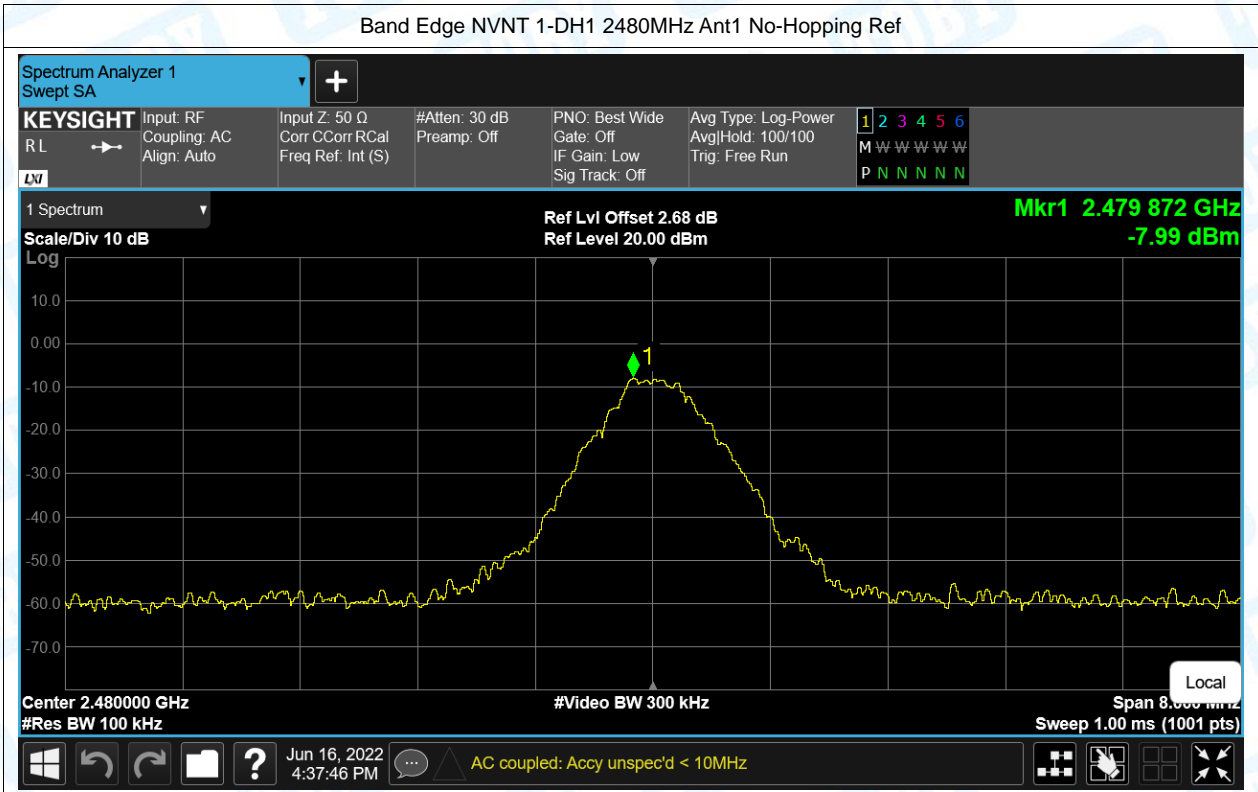
Test Graphs

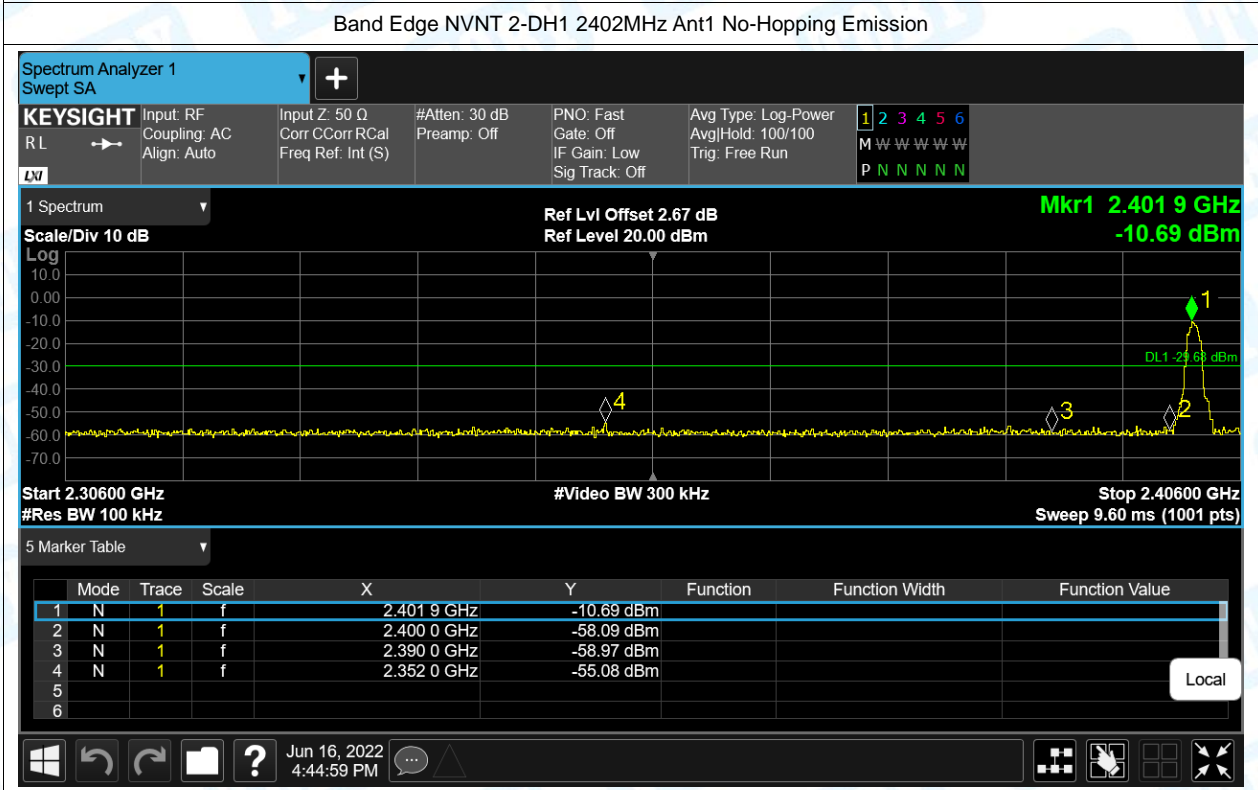
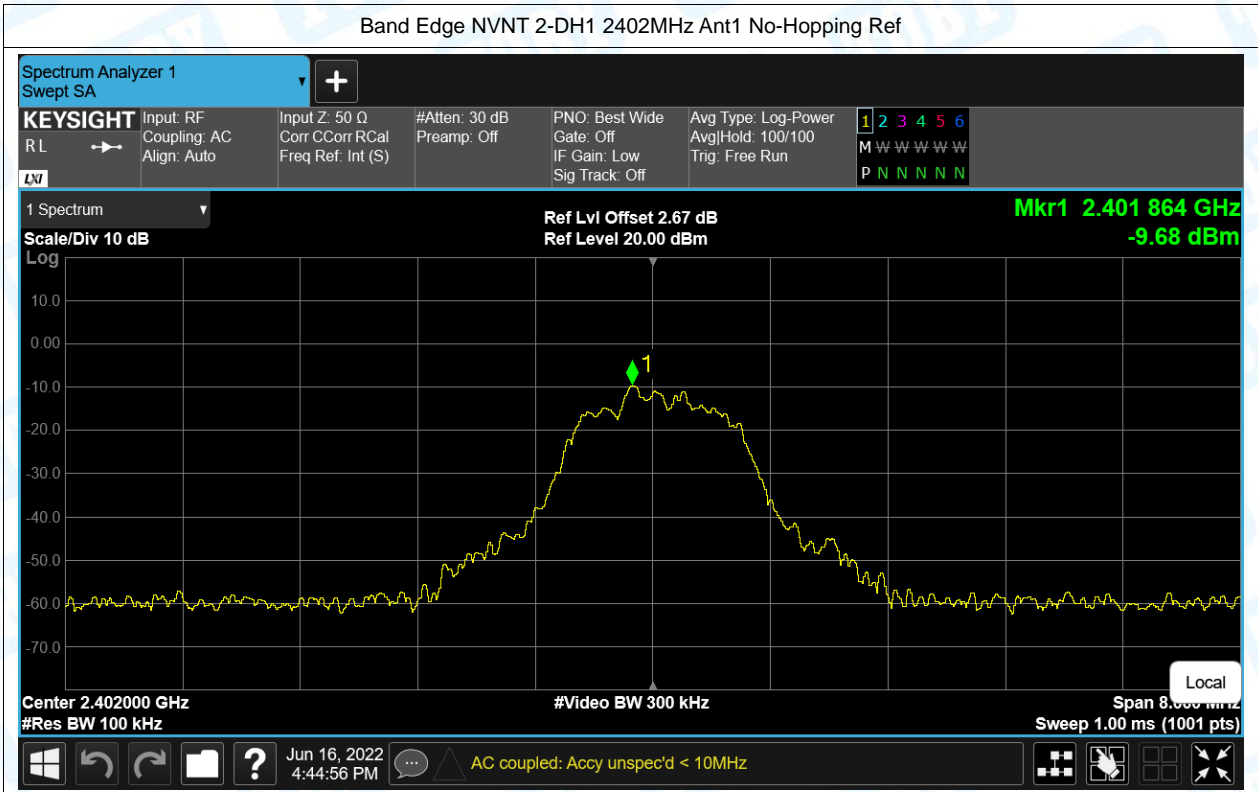
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref

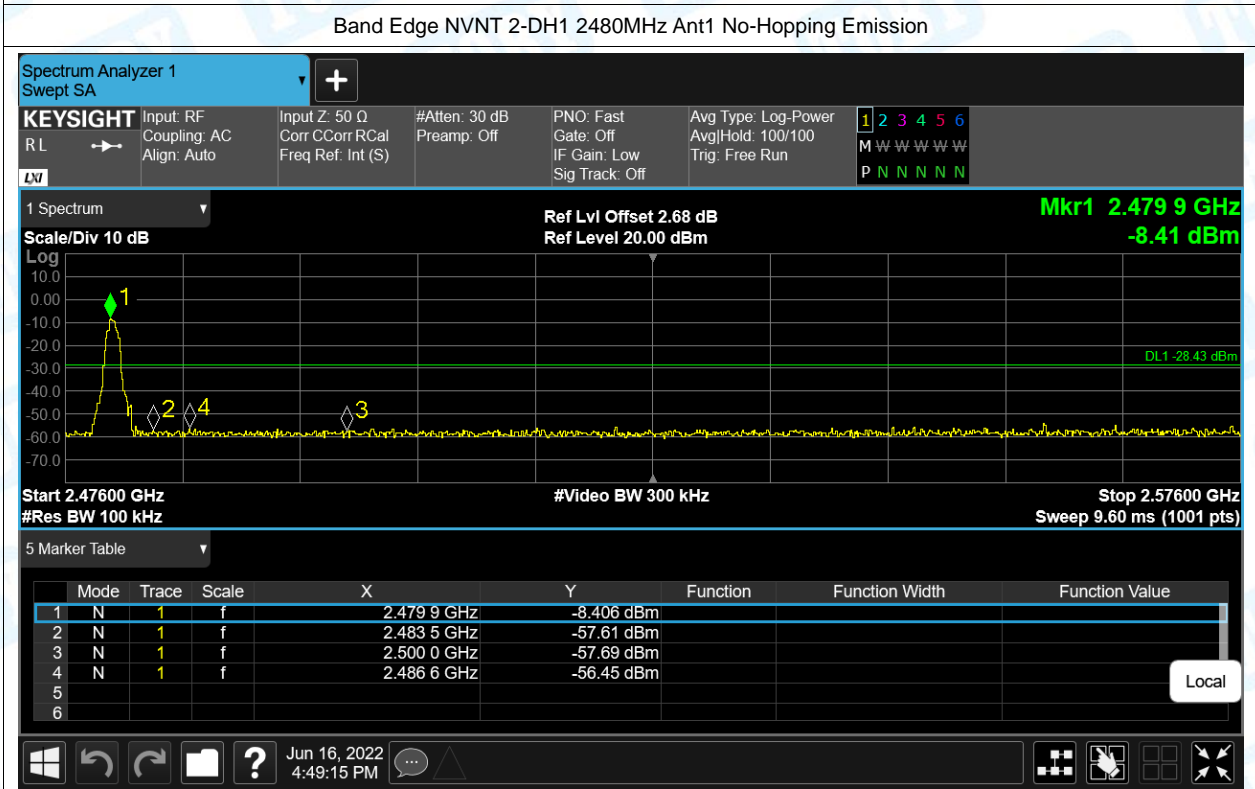
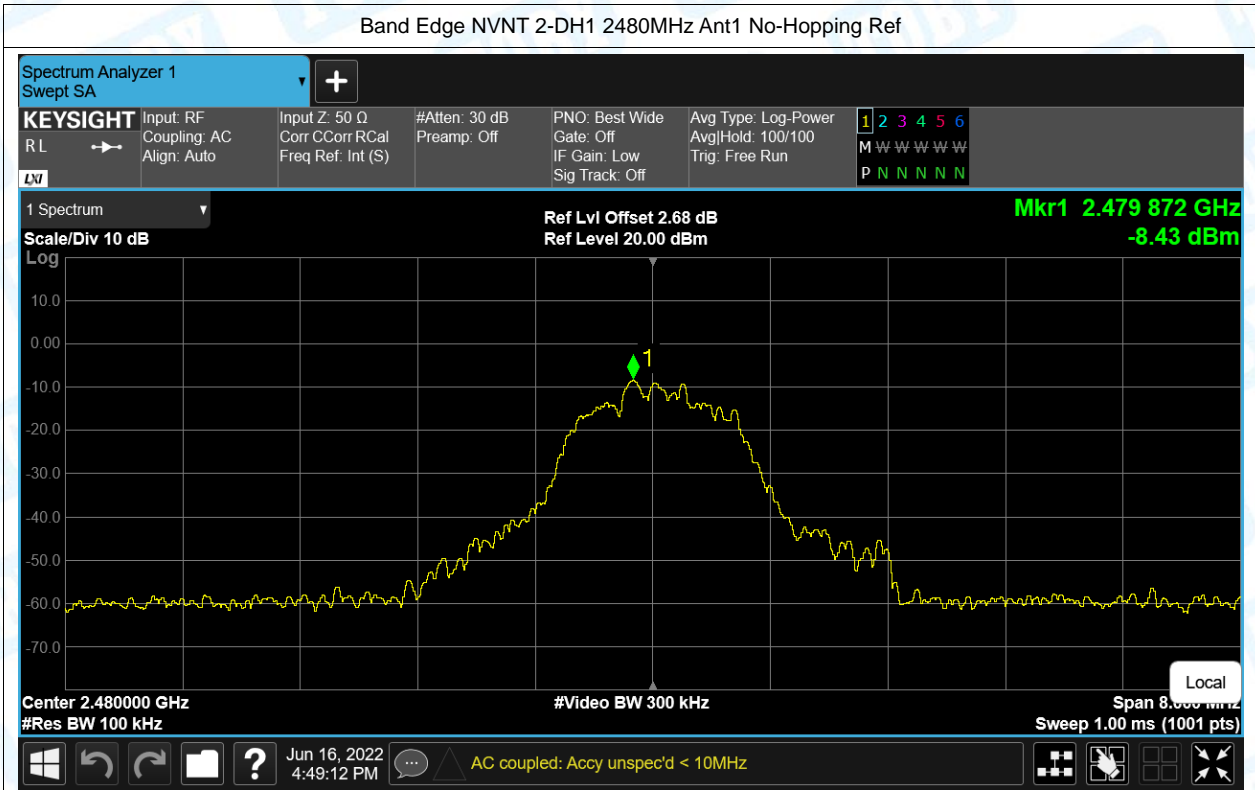


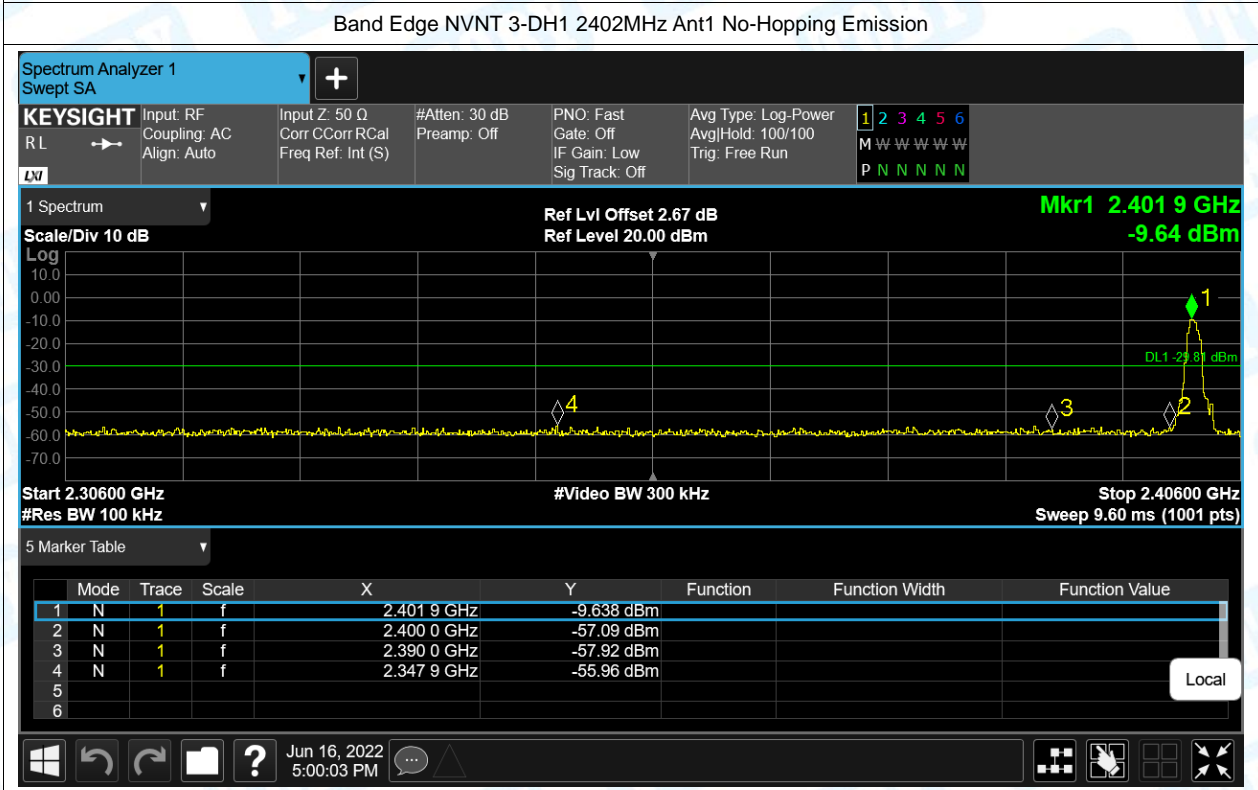
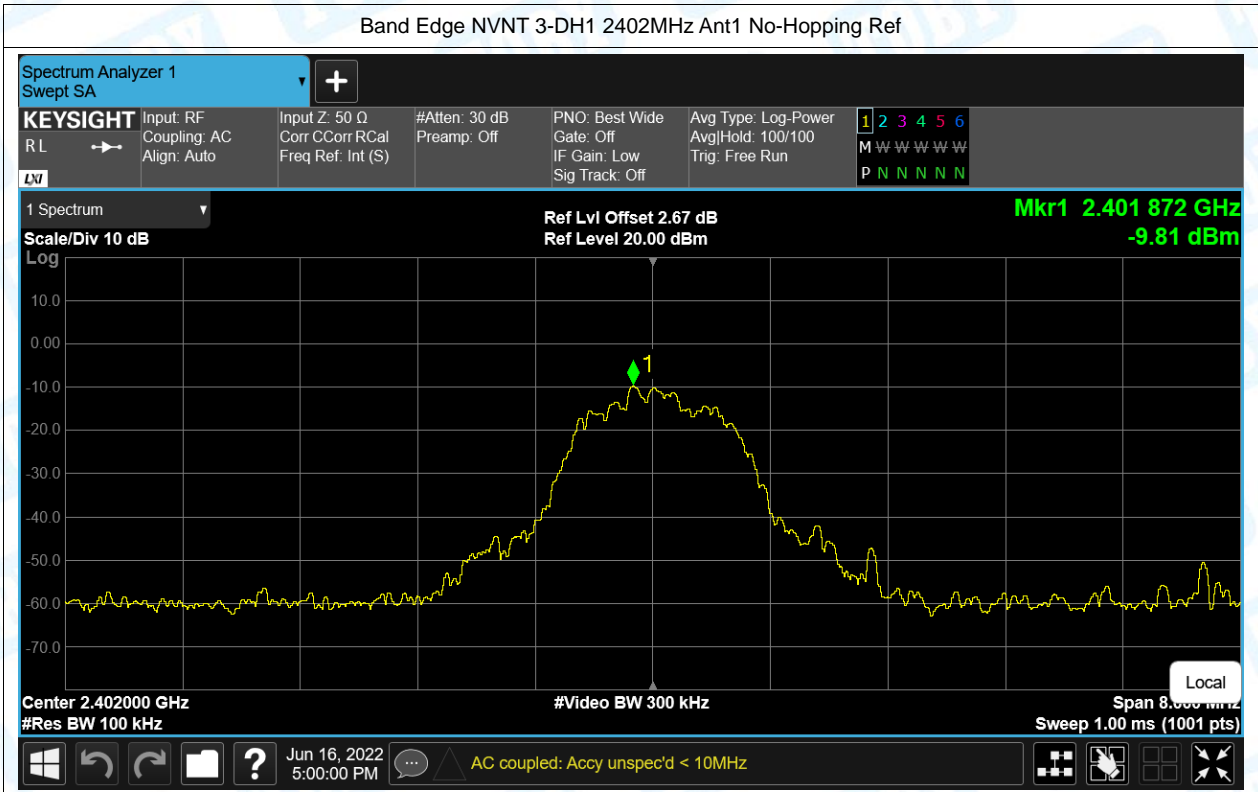
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission

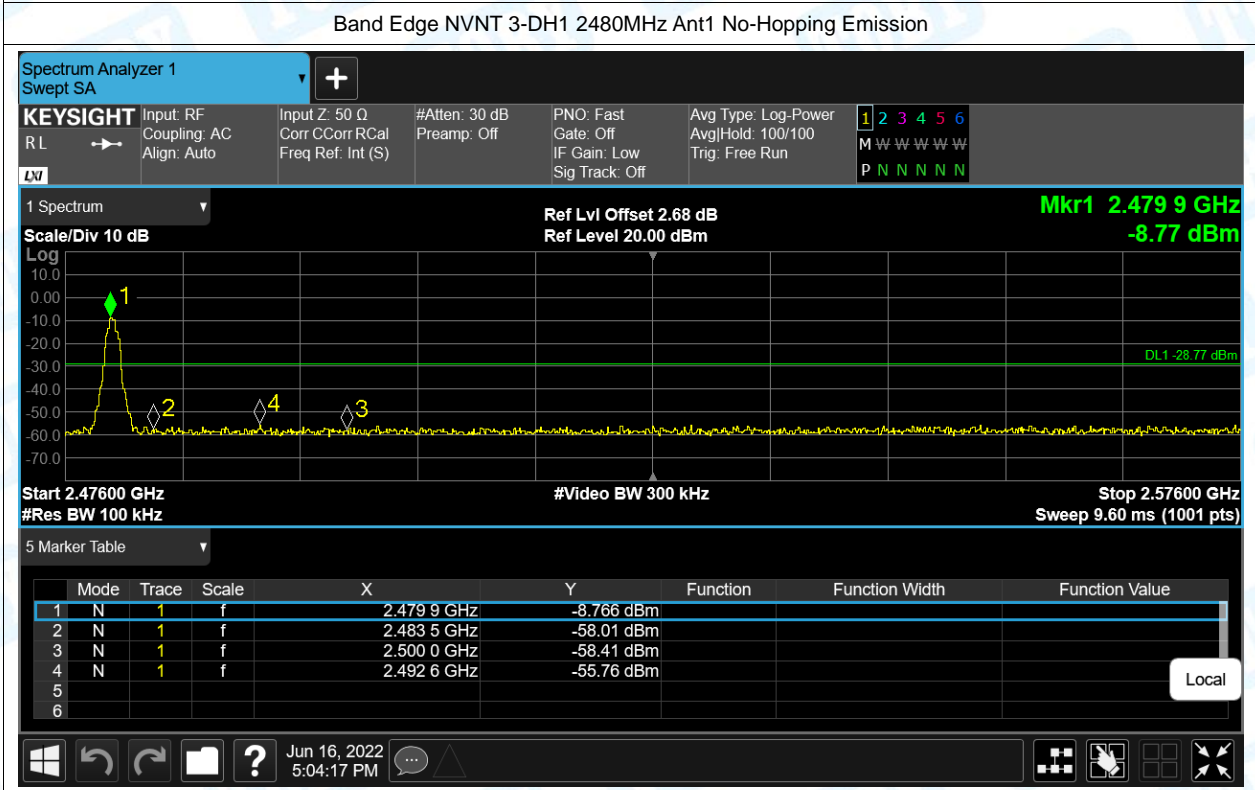
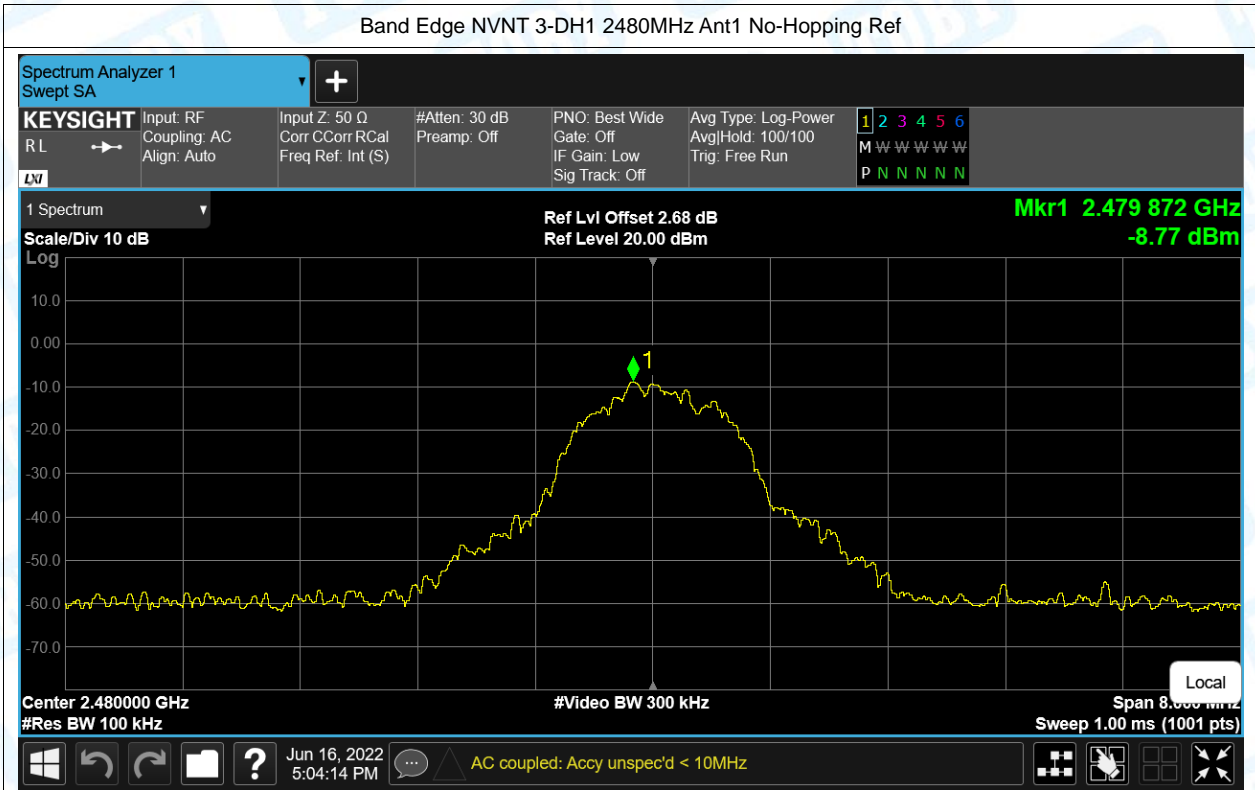






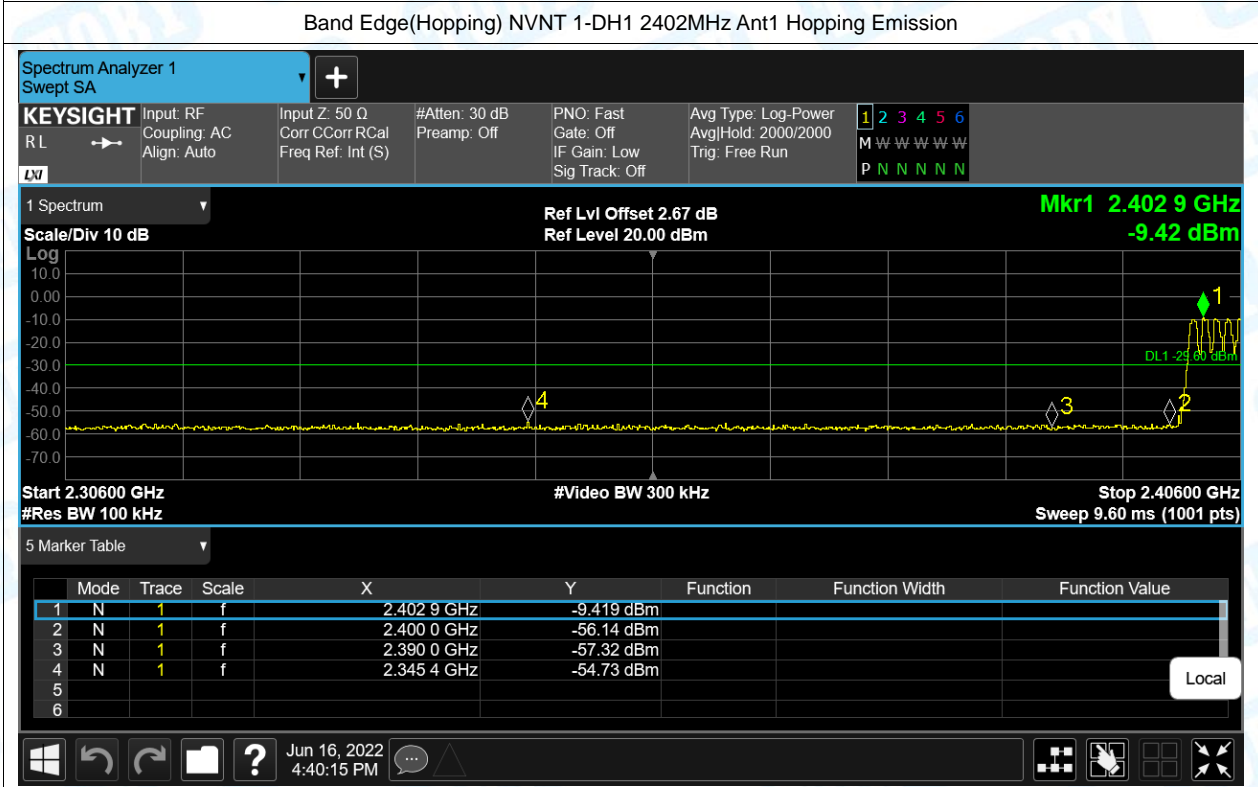
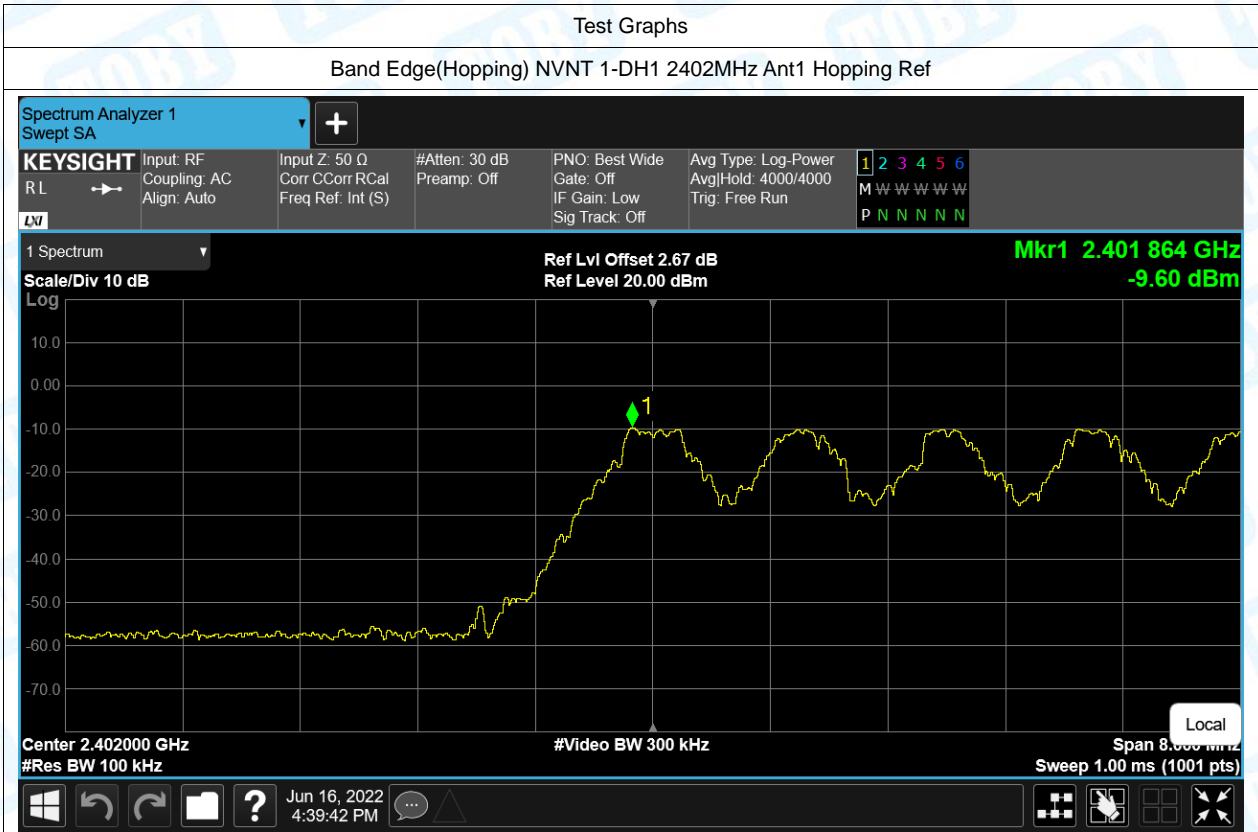


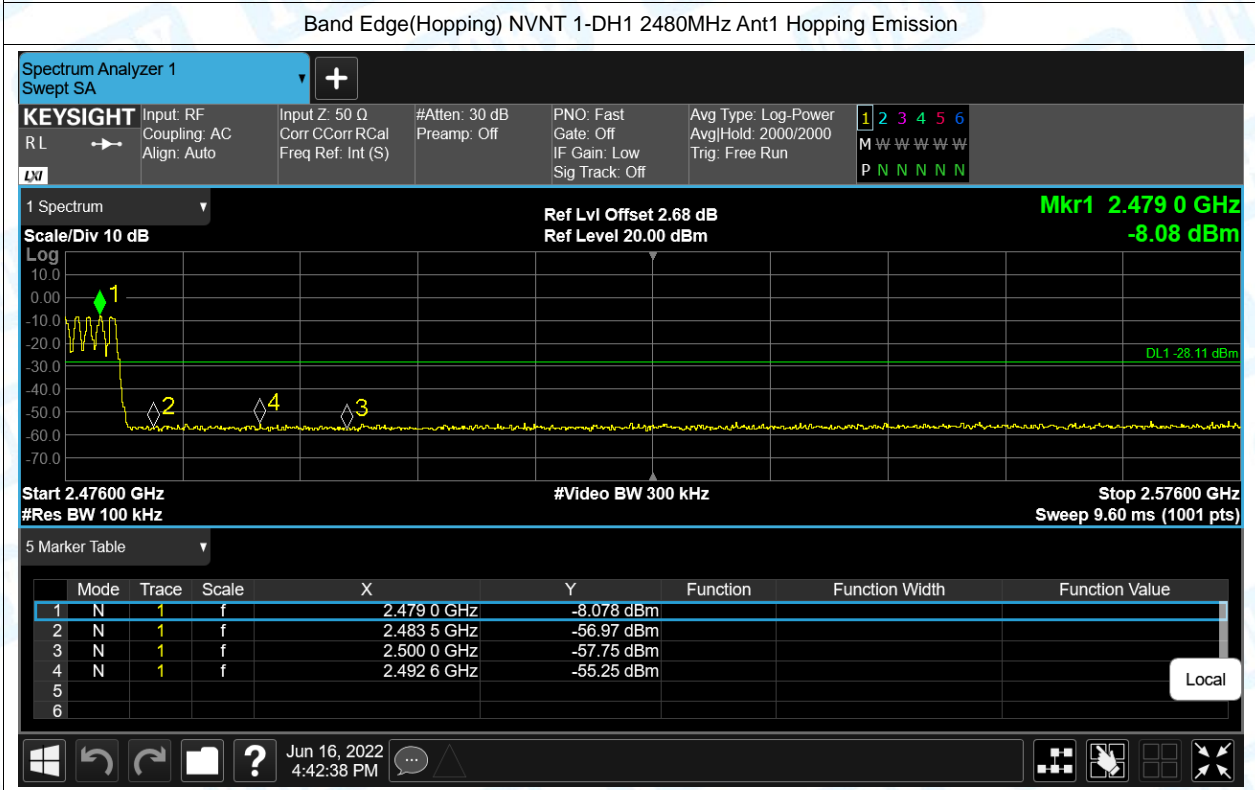
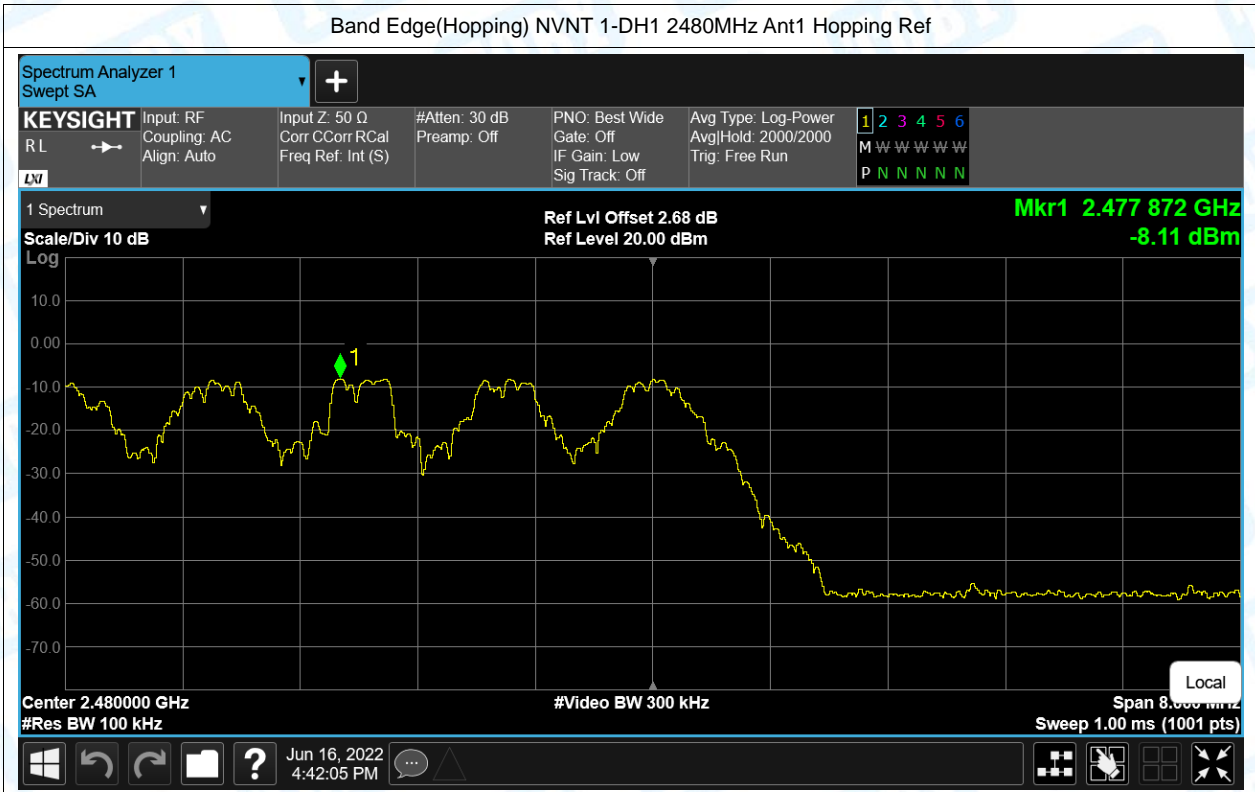


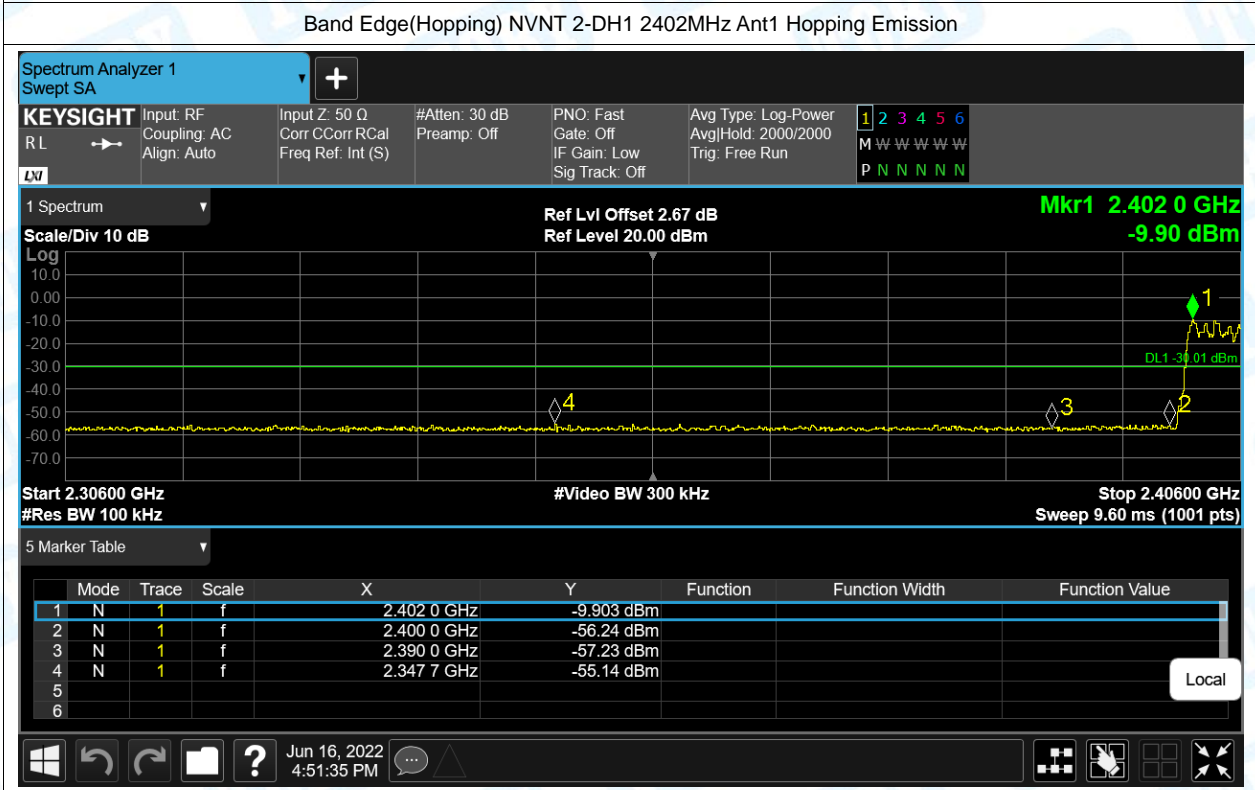
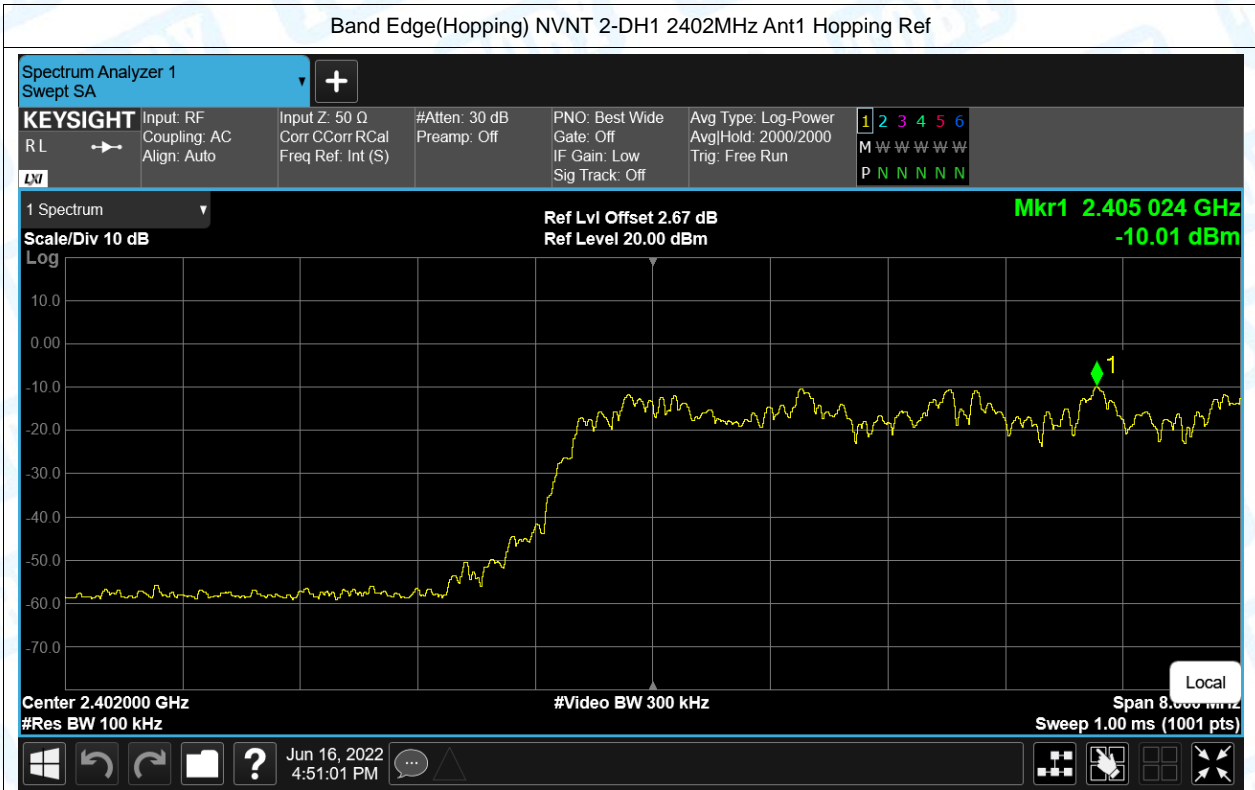


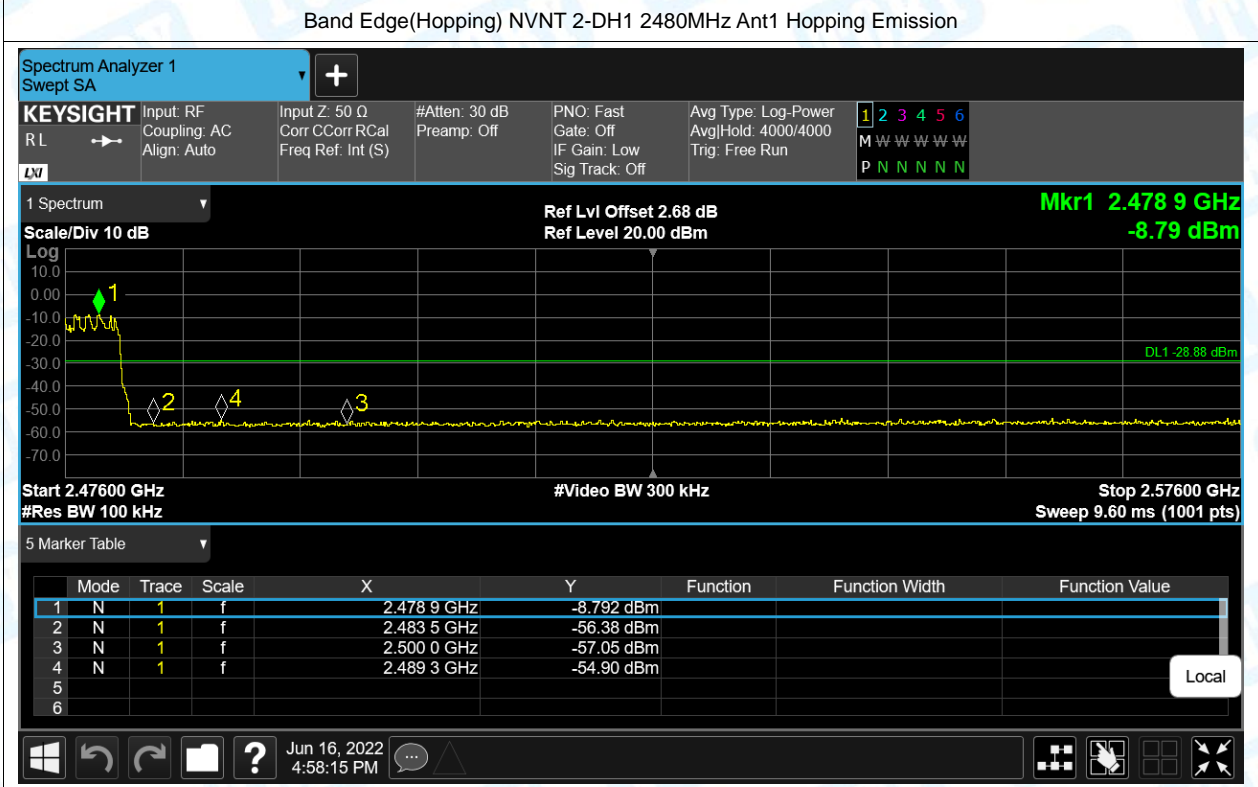
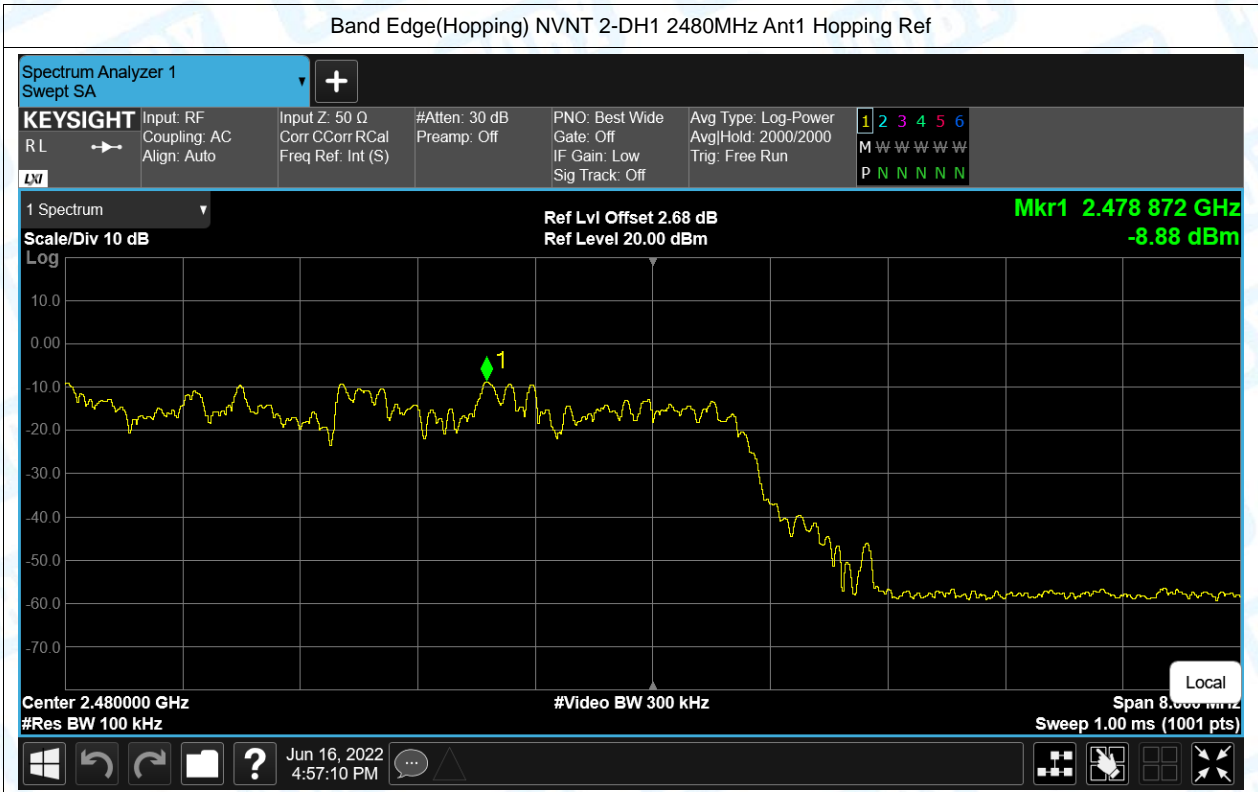
Band Edge(Hopping)

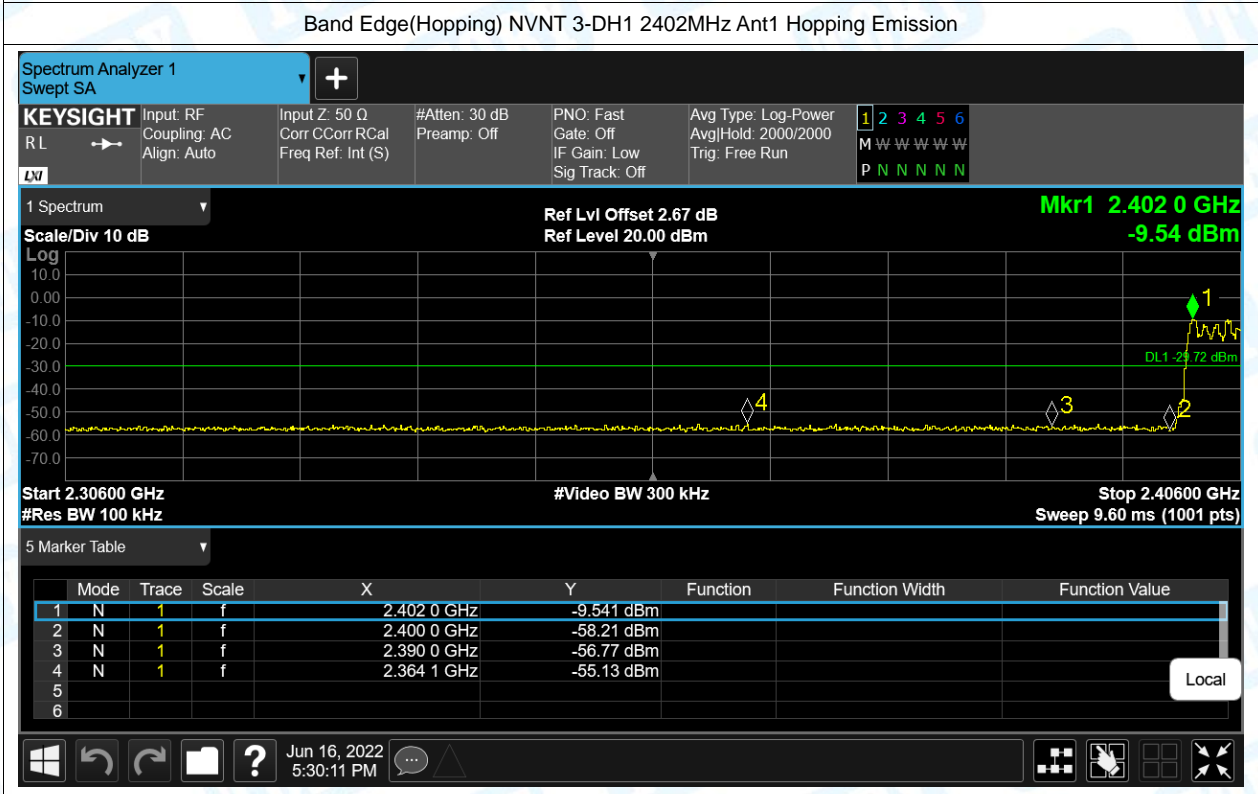
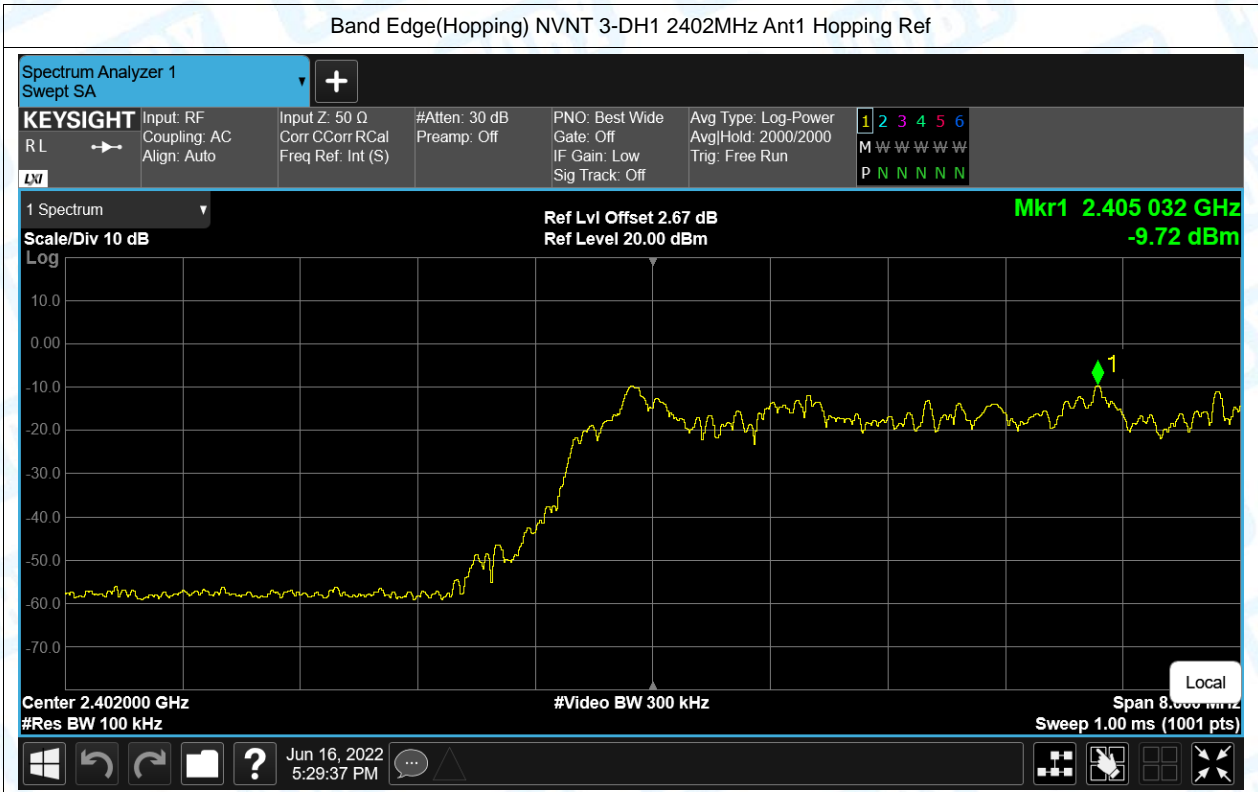
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-45.13	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-47.14	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-45.13	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-46.02	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-45.41	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-45.83	-20	Pass

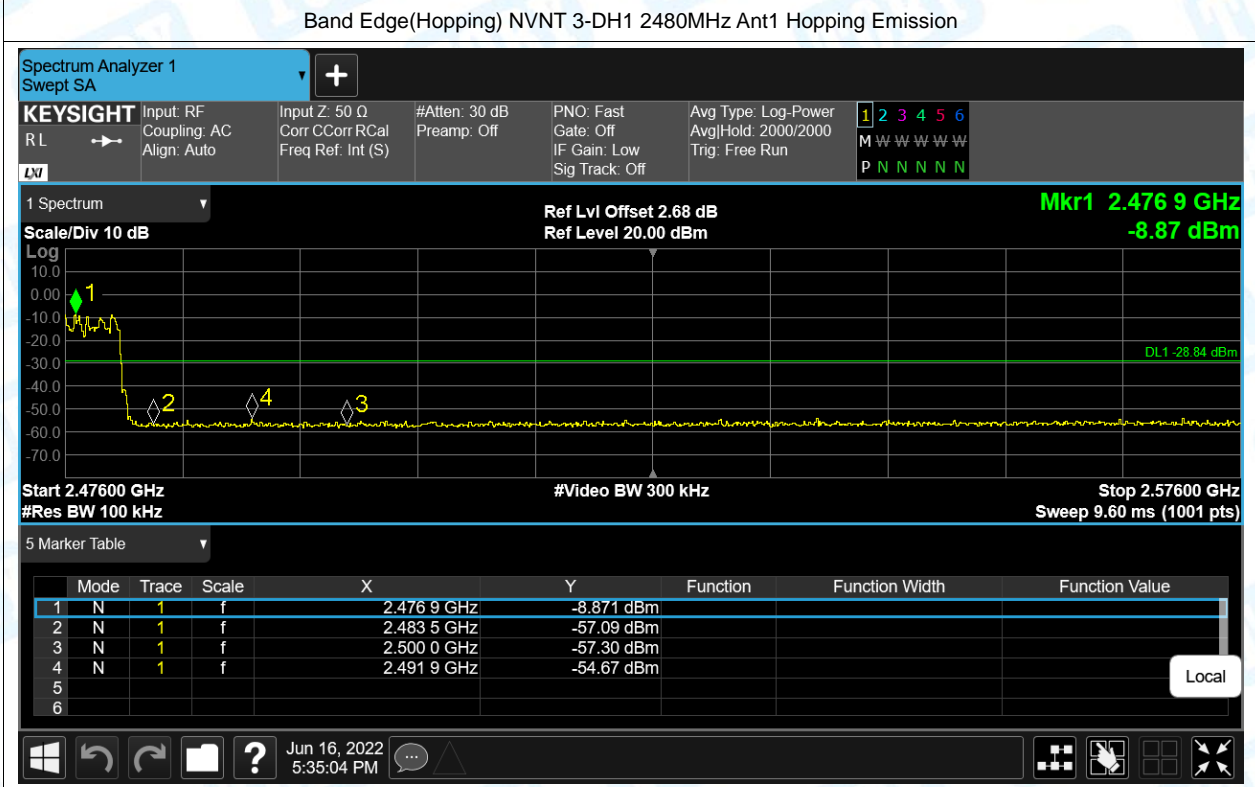
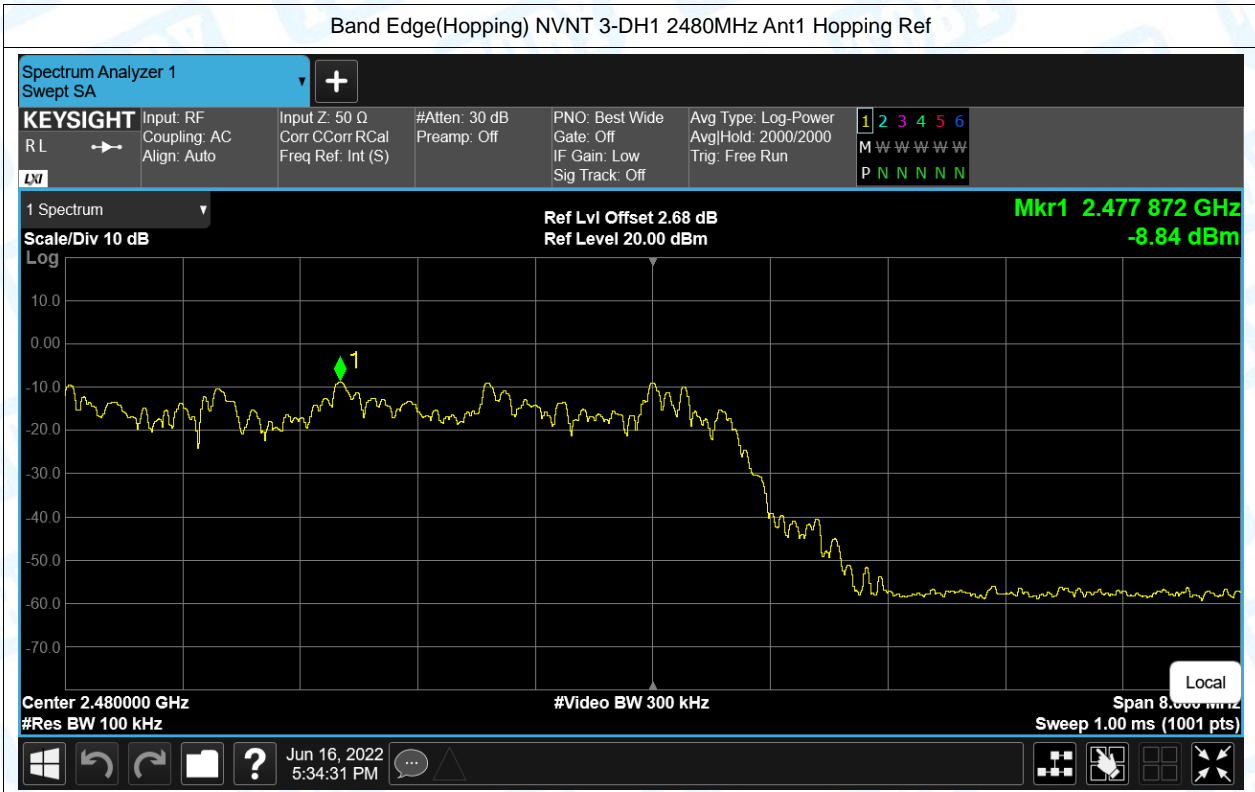










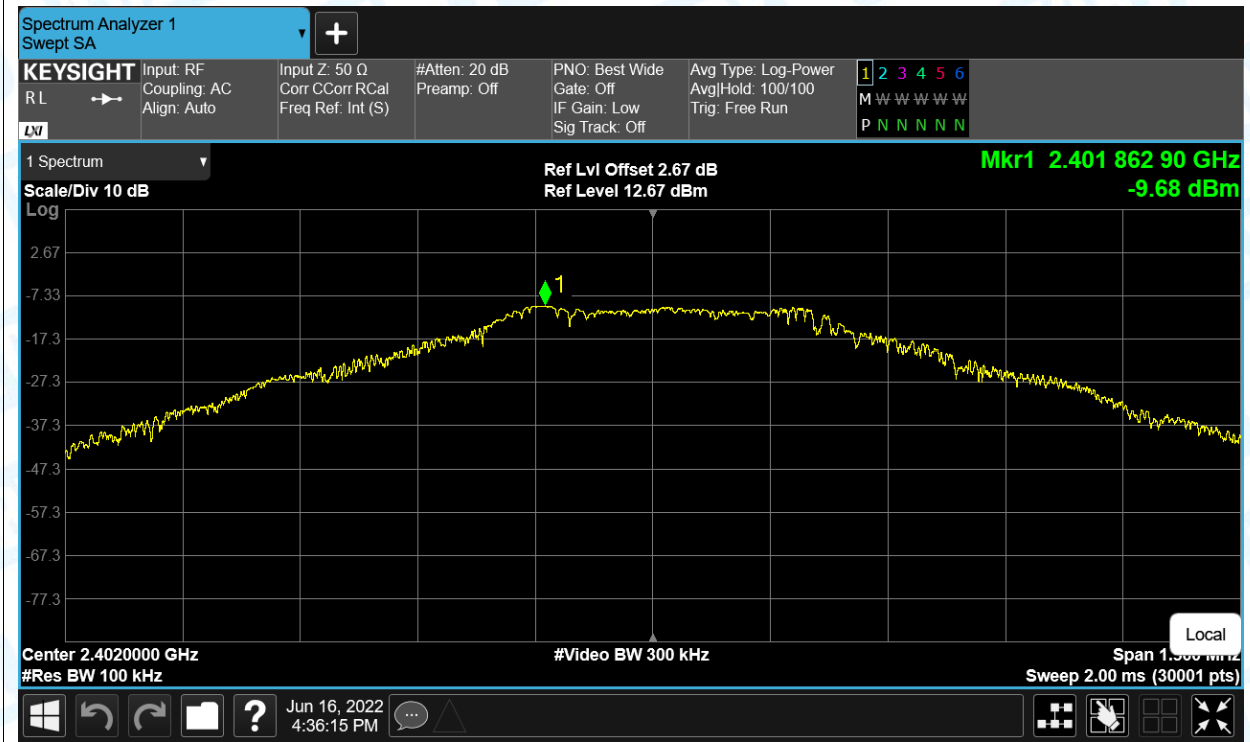


Conducted RF Spurious Emission

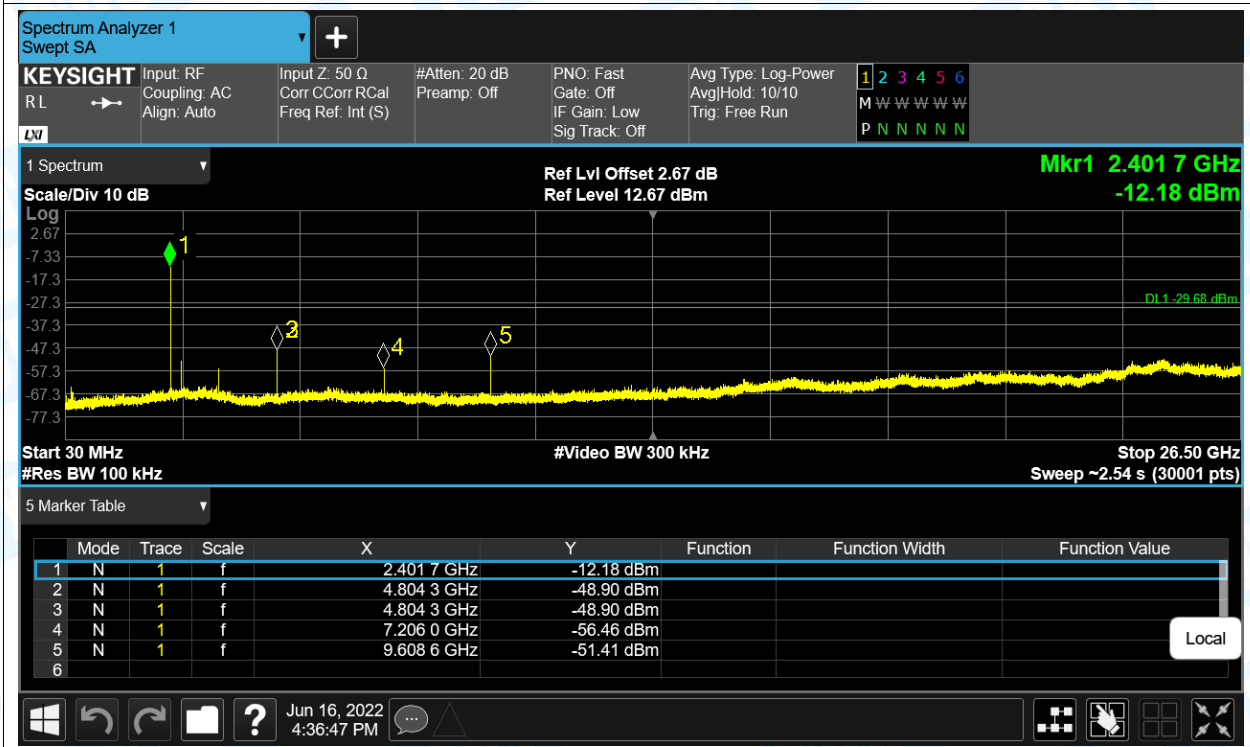
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-39.22	-20	Pass
NVNT	1-DH1	2441	Ant1	-38.31	-20	Pass
NVNT	1-DH1	2480	Ant1	-41.4	-20	Pass
NVNT	2-DH1	2402	Ant1	-41.07	-20	Pass
NVNT	2-DH1	2441	Ant1	-34.37	-20	Pass
NVNT	2-DH1	2480	Ant1	-39.24	-20	Pass
NVNT	3-DH1	2402	Ant1	-37.59	-20	Pass
NVNT	3-DH1	2441	Ant1	-39.11	-20	Pass
NVNT	3-DH1	2480	Ant1	-36.49	-20	Pass

Test Graphs

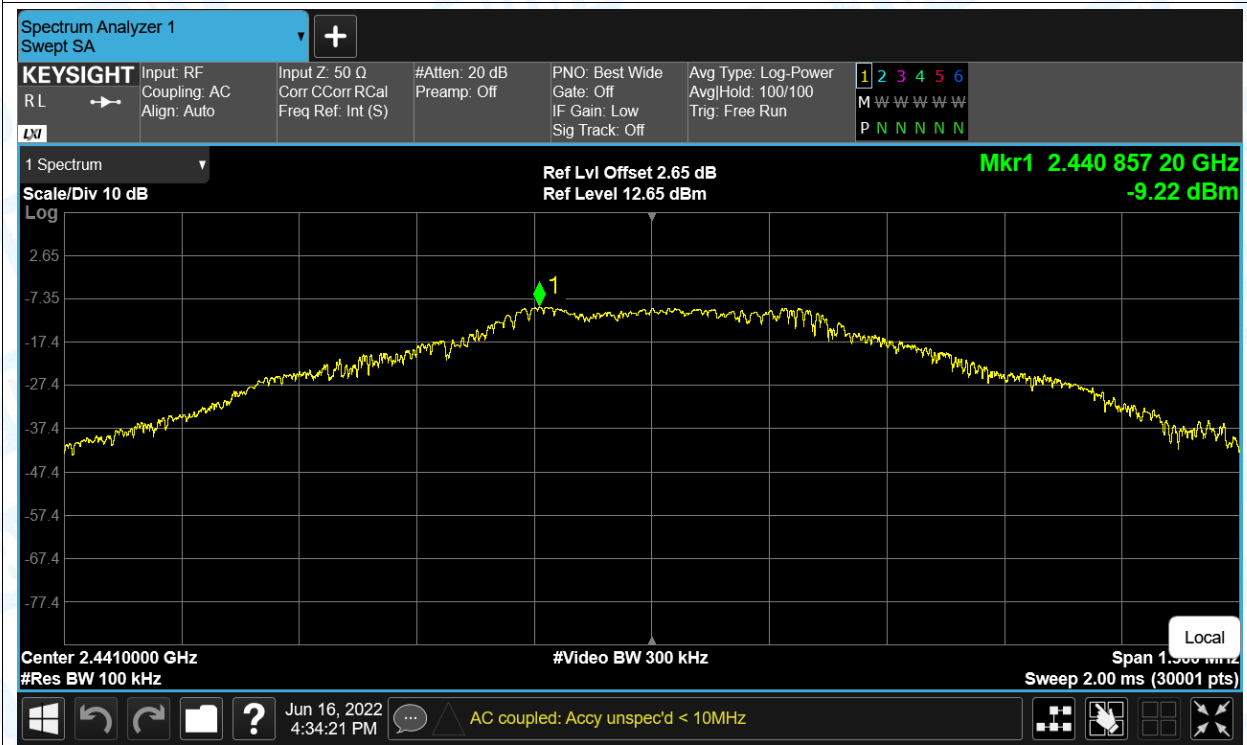
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



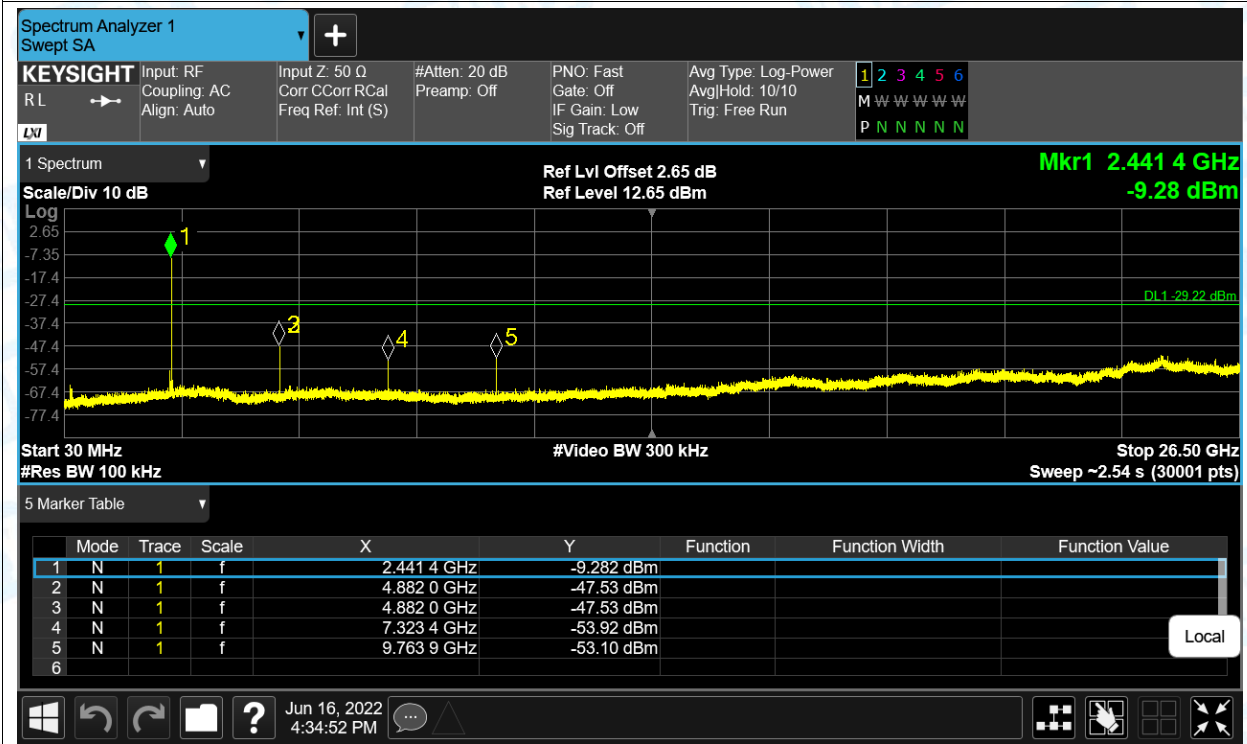
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission



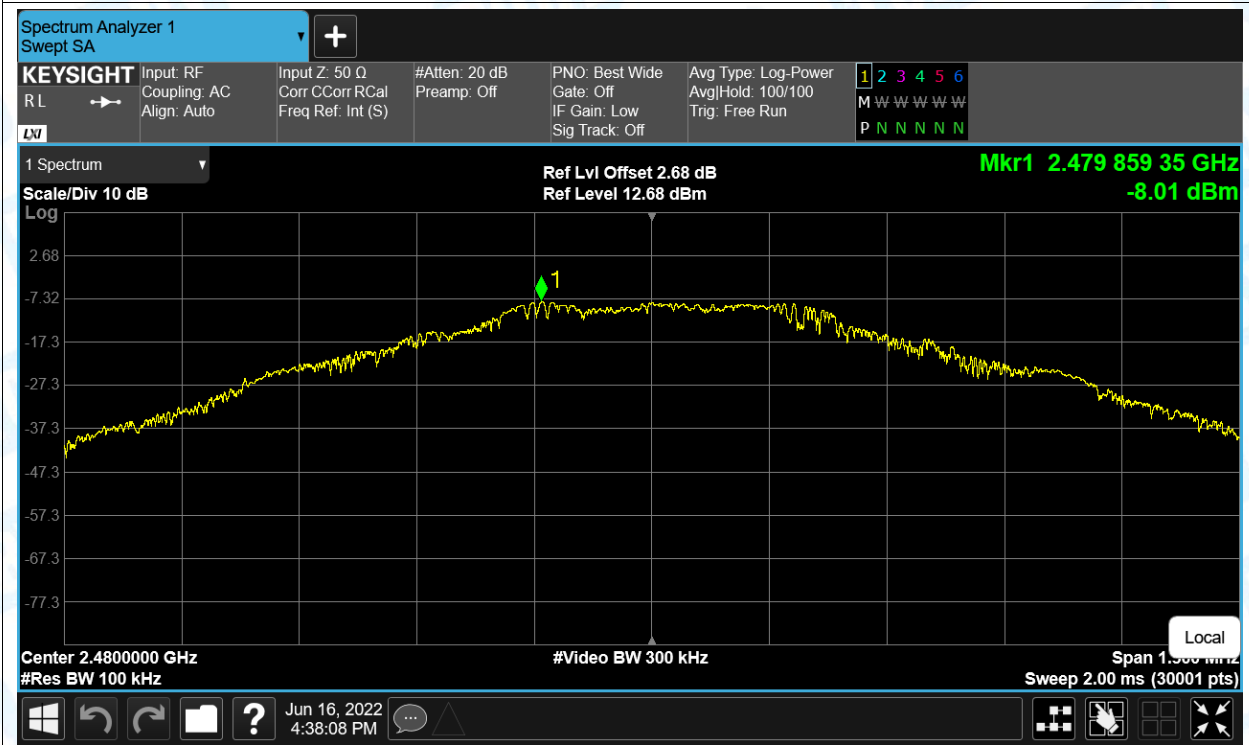
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



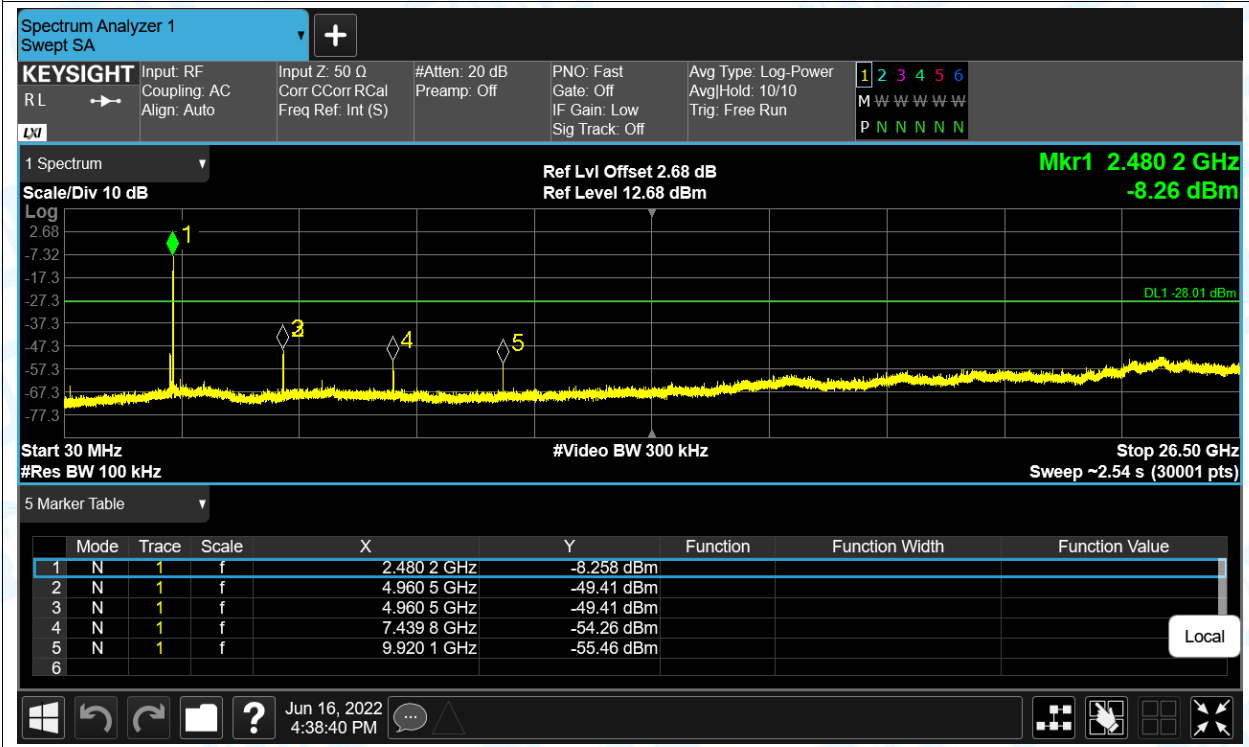
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



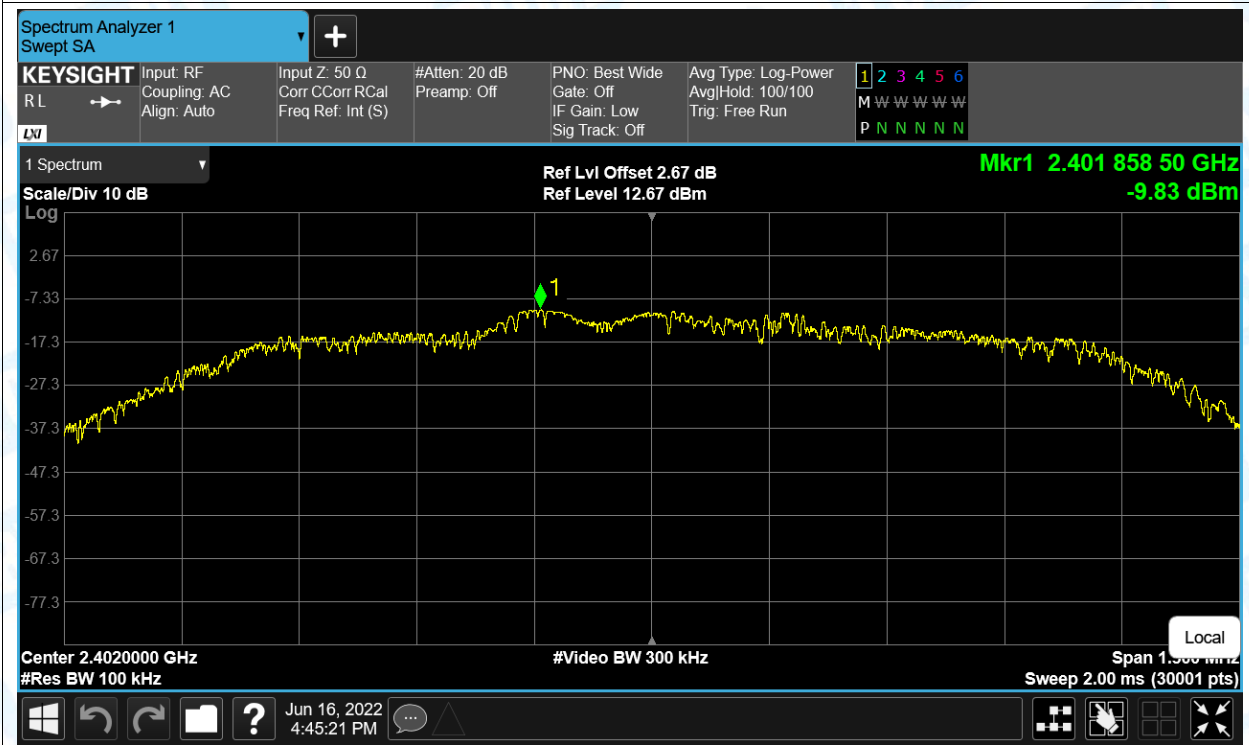
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref



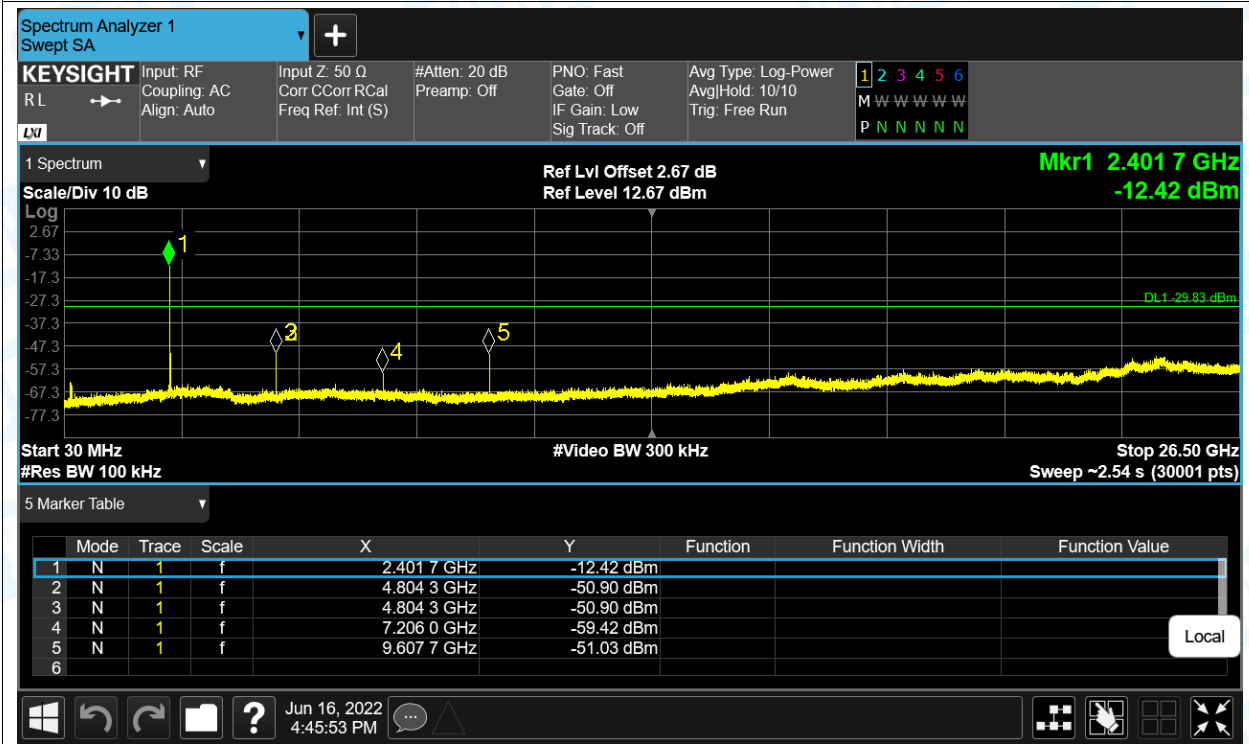
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission



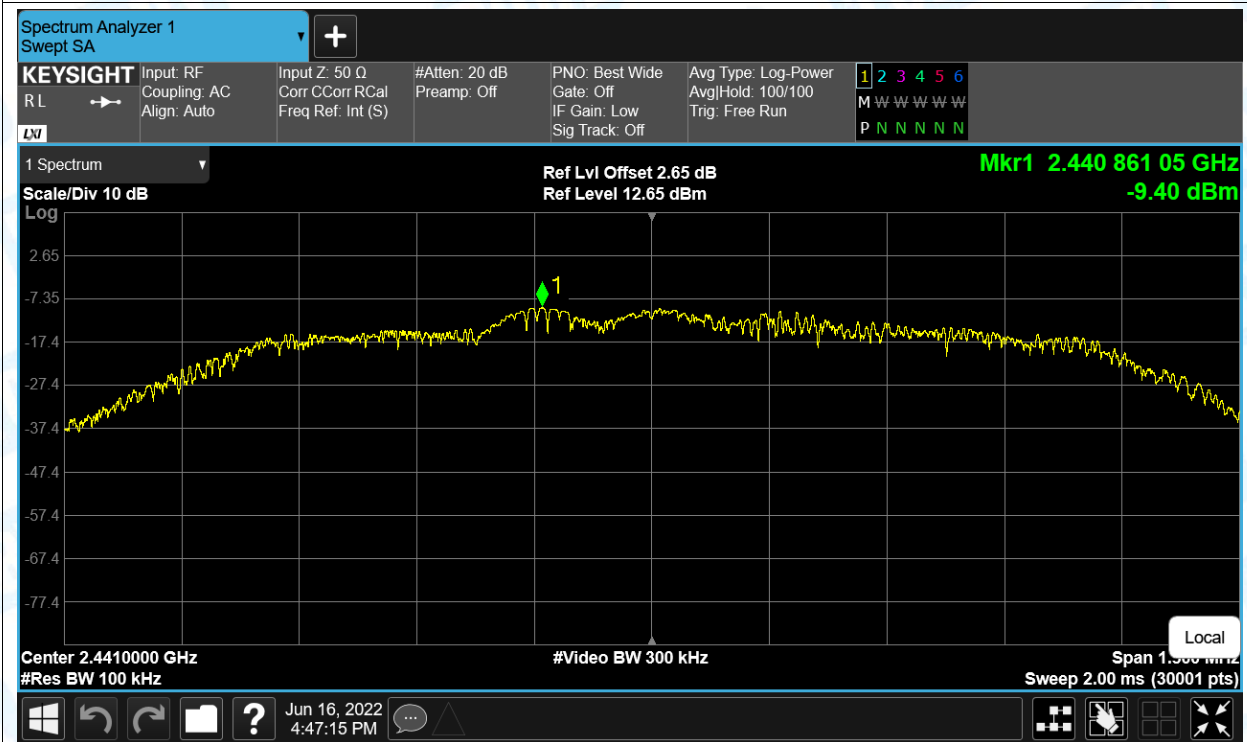
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref



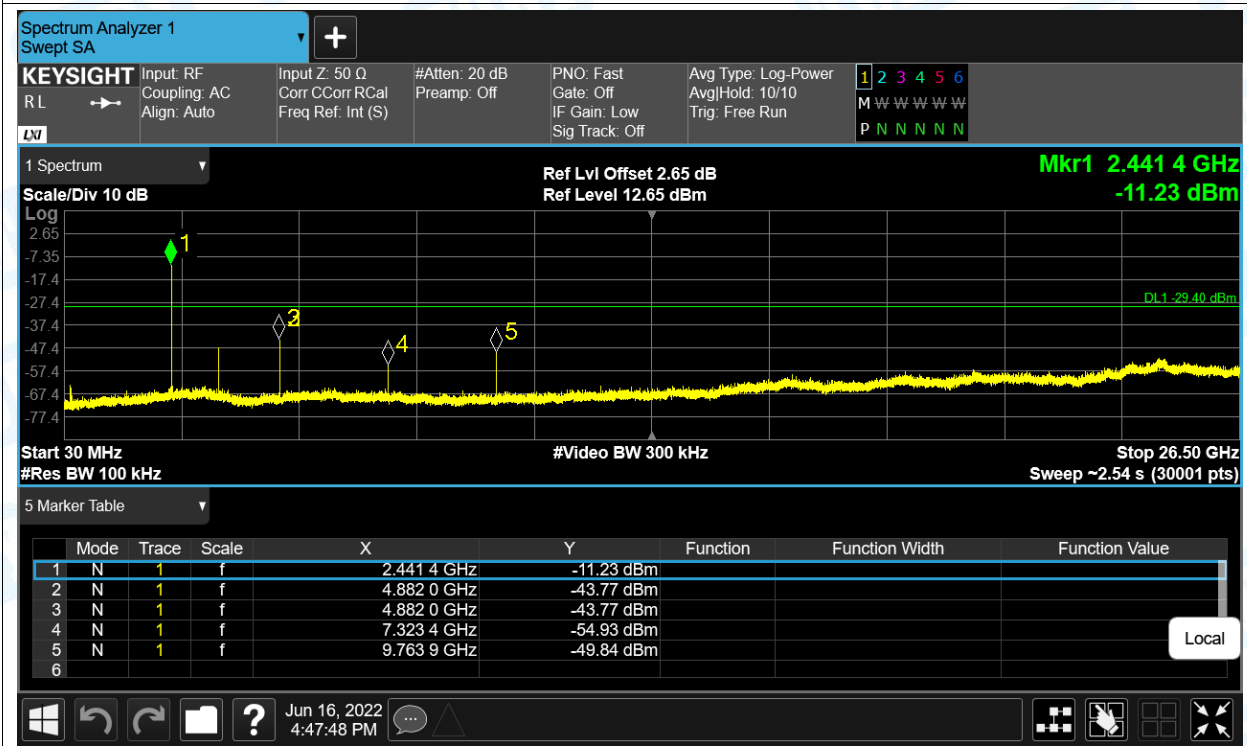
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission



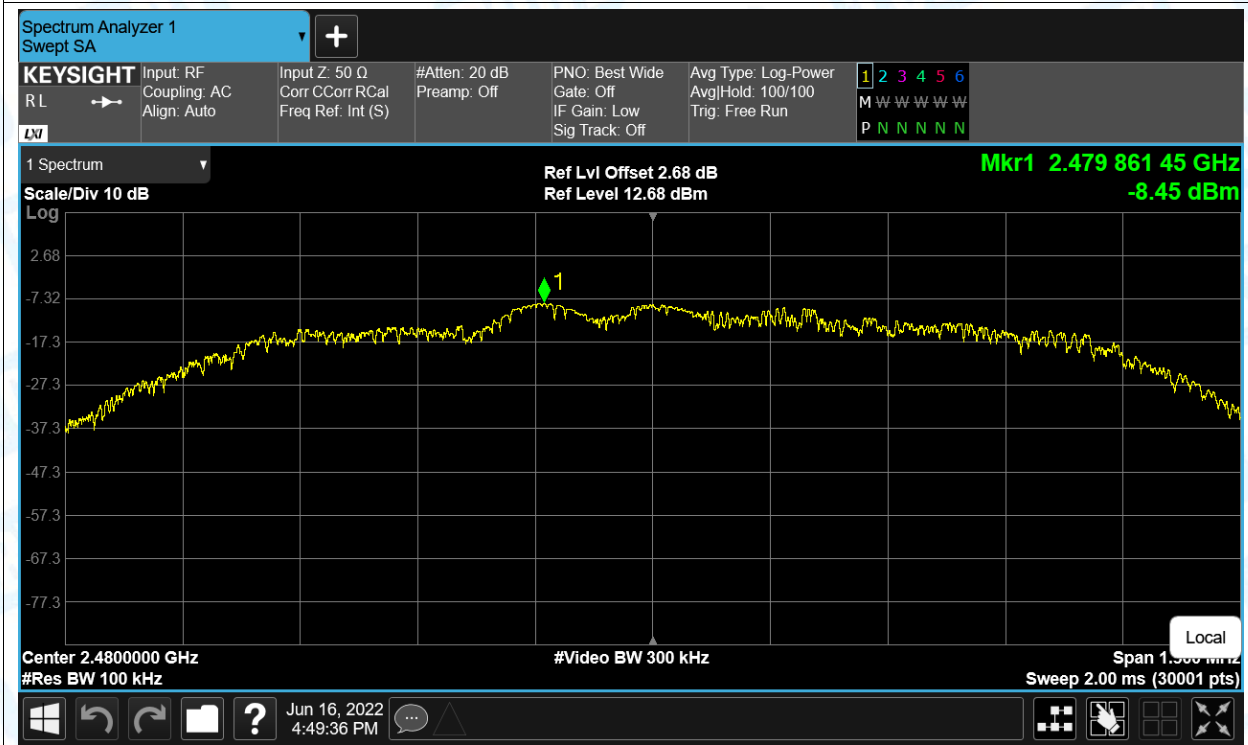
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



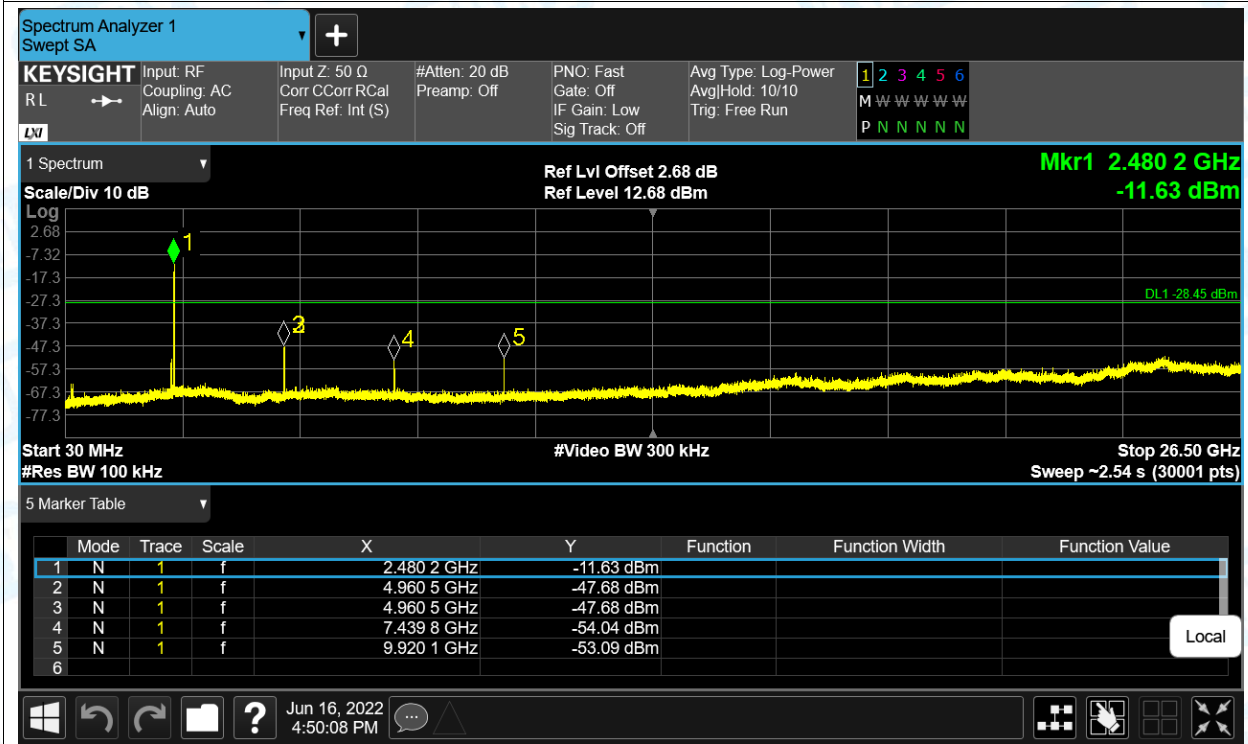
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



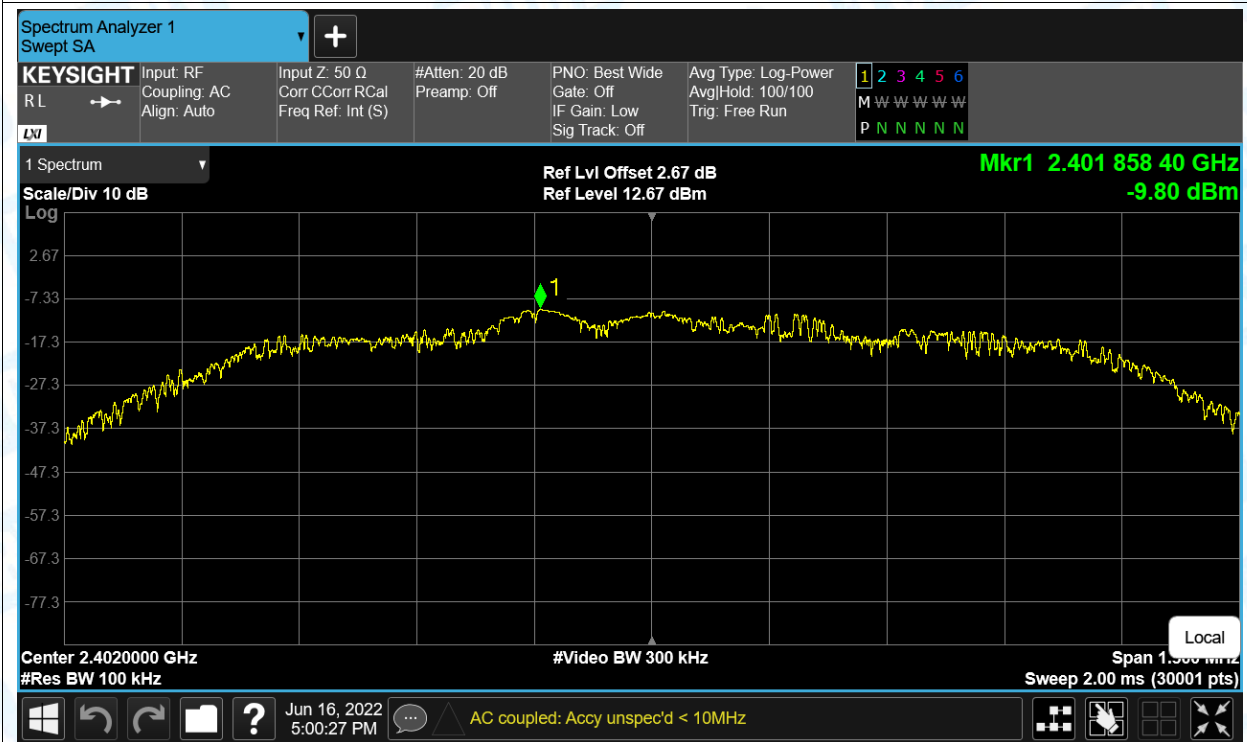
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref



Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Ref



Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Emission

