

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

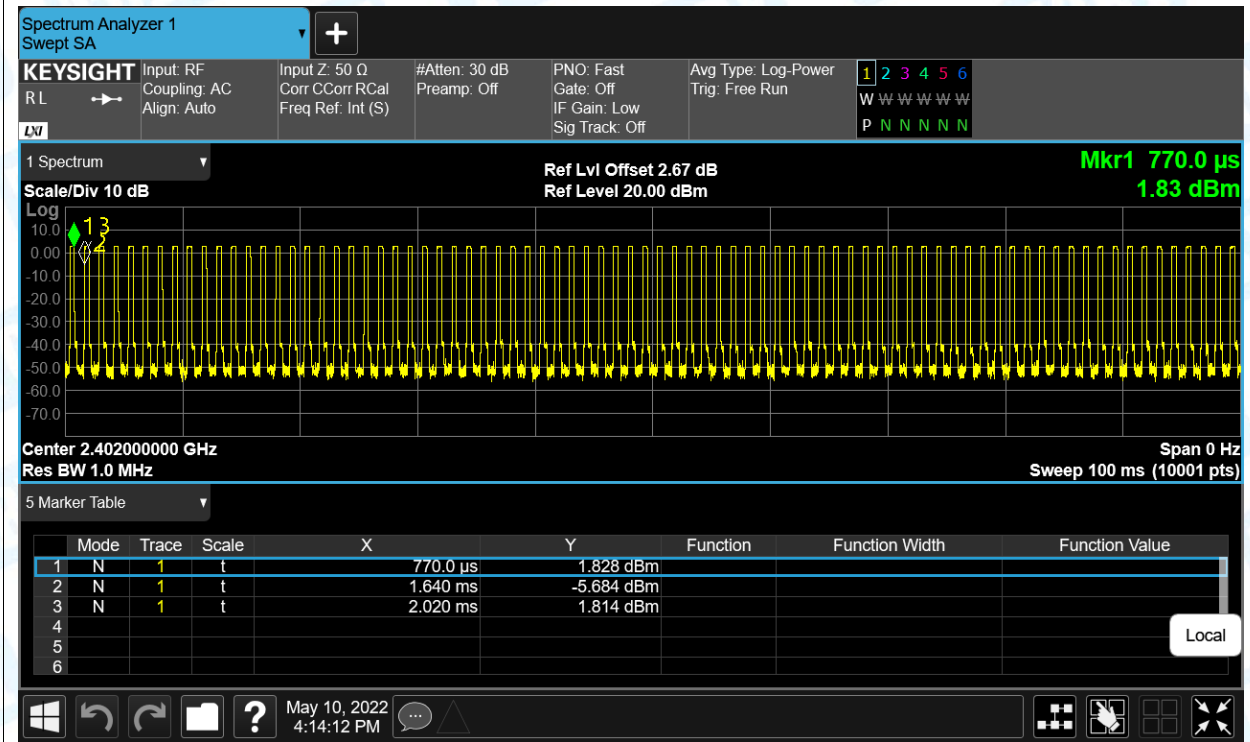
General Description of EUT	
Product Name:	2.1CH Karaoke Soundbar
Test Model:	L210K
Sample ID:	RW-C-202204-0285-1-2#
Environmental Conditions	
Temperature:	23.8°C
Relative Humidity:	48%
Test Voltage:	DC 18V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202204-0285-1	

1. Duty Cycle

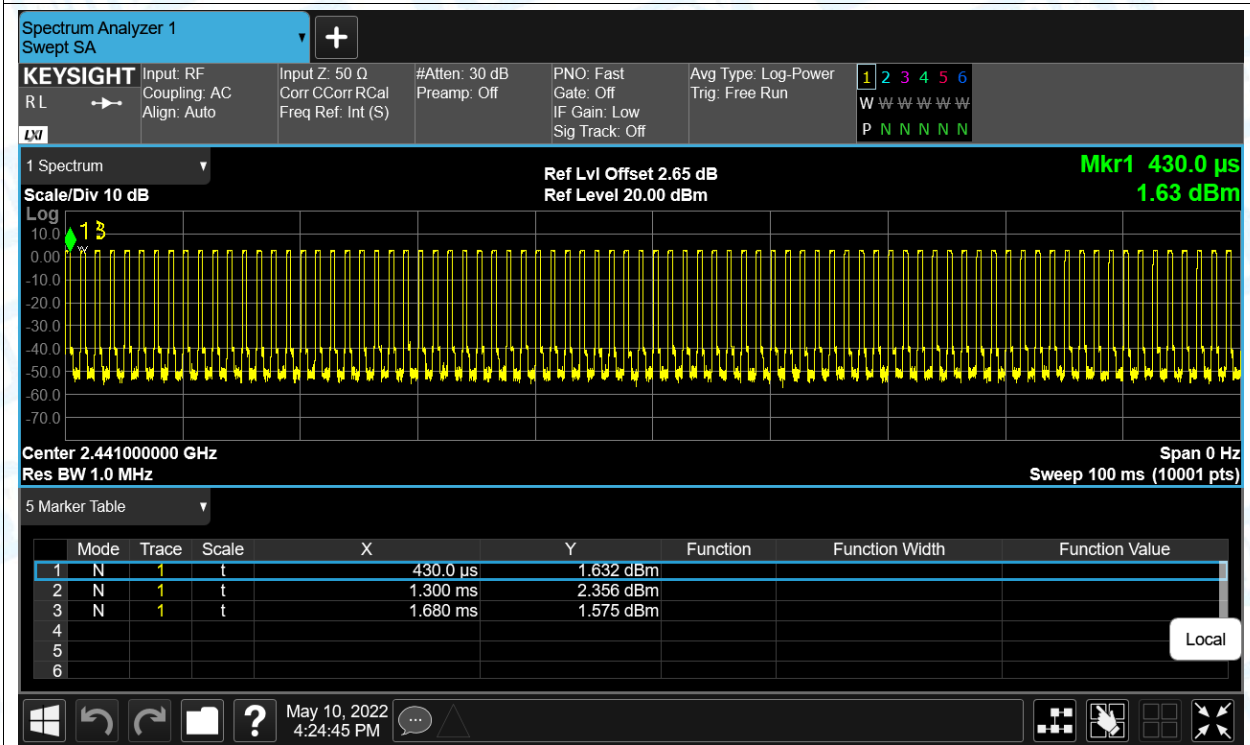
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH1	2402	Ant1	31.31	5.04	2.63
NVNT	1-DH1	2441	Ant1	31.2	5.06	2.63
NVNT	1-DH1	2480	Ant1	31.31	5.04	2.63
NVNT	2-DH1	2402	Ant1	31.81	4.97	2.63
NVNT	2-DH1	2441	Ant1	31.8	4.98	2.63
NVNT	2-DH1	2480	Ant1	31.94	4.96	2.56
NVNT	3-DH1	2402	Ant1	31.78	4.98	2.56
NVNT	3-DH1	2441	Ant1	31.78	4.98	2.56
NVNT	3-DH1	2480	Ant1	31.82	4.97	2.63

Test Graphs

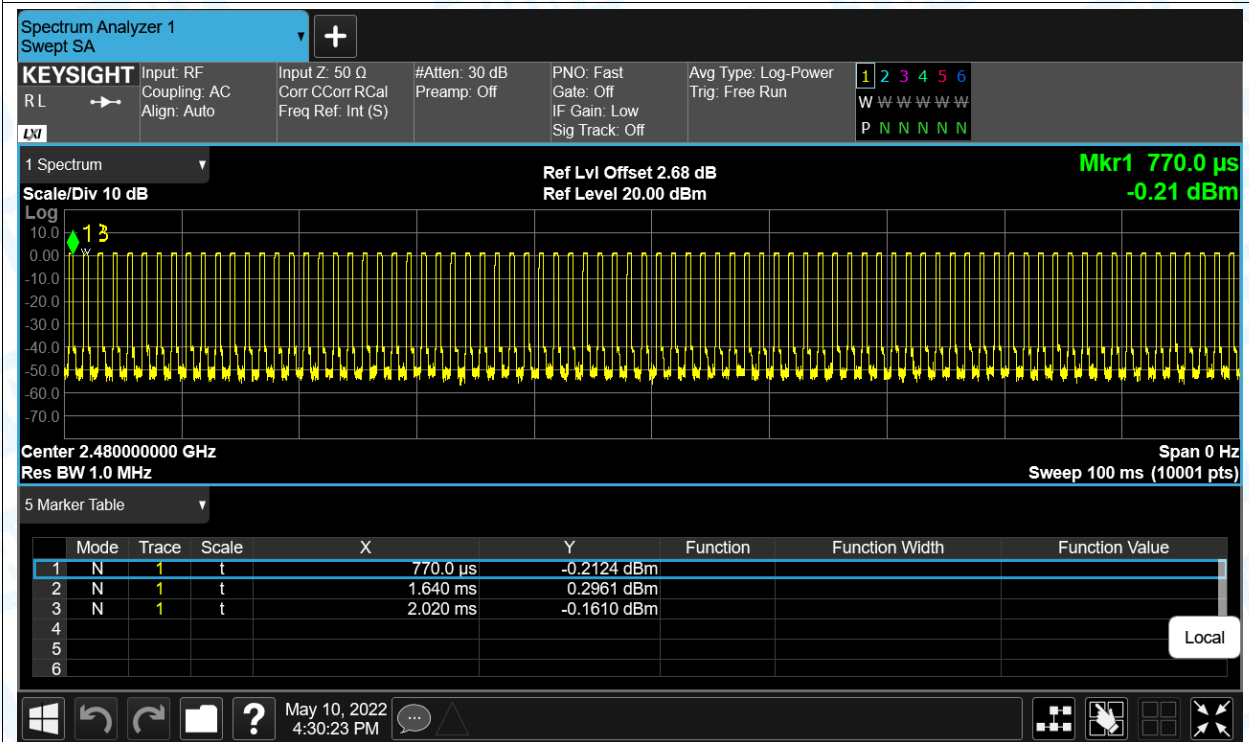
Duty Cycle NVNT 1-DH1 2402MHz Ant1



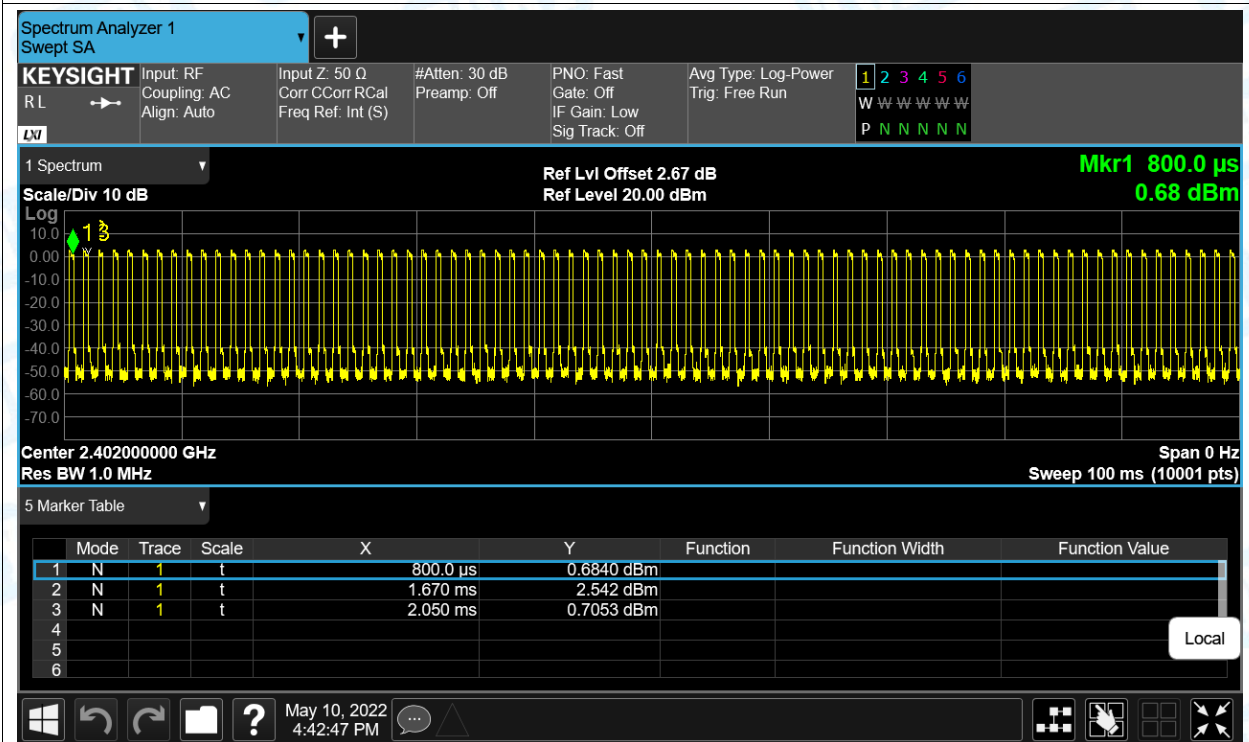
Duty Cycle NVNT 1-DH1 2441MHz Ant1



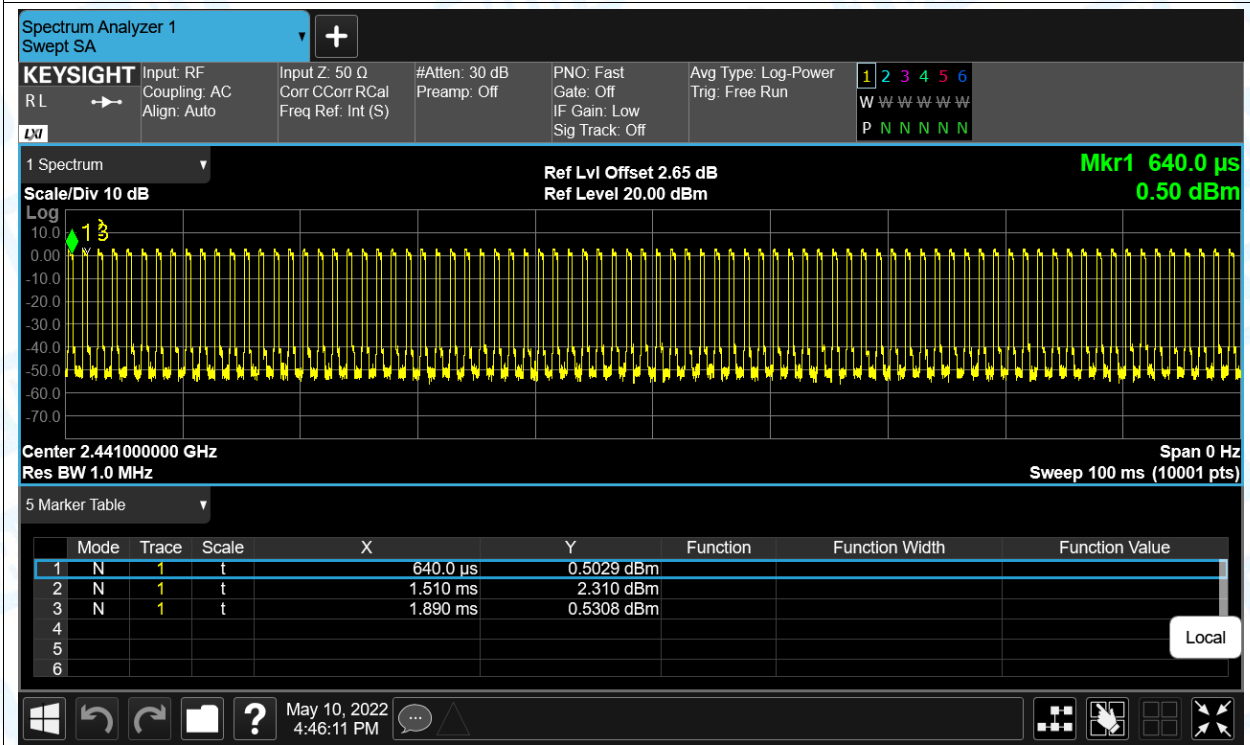
Duty Cycle NVNT 1-DH1 2480MHz Ant1



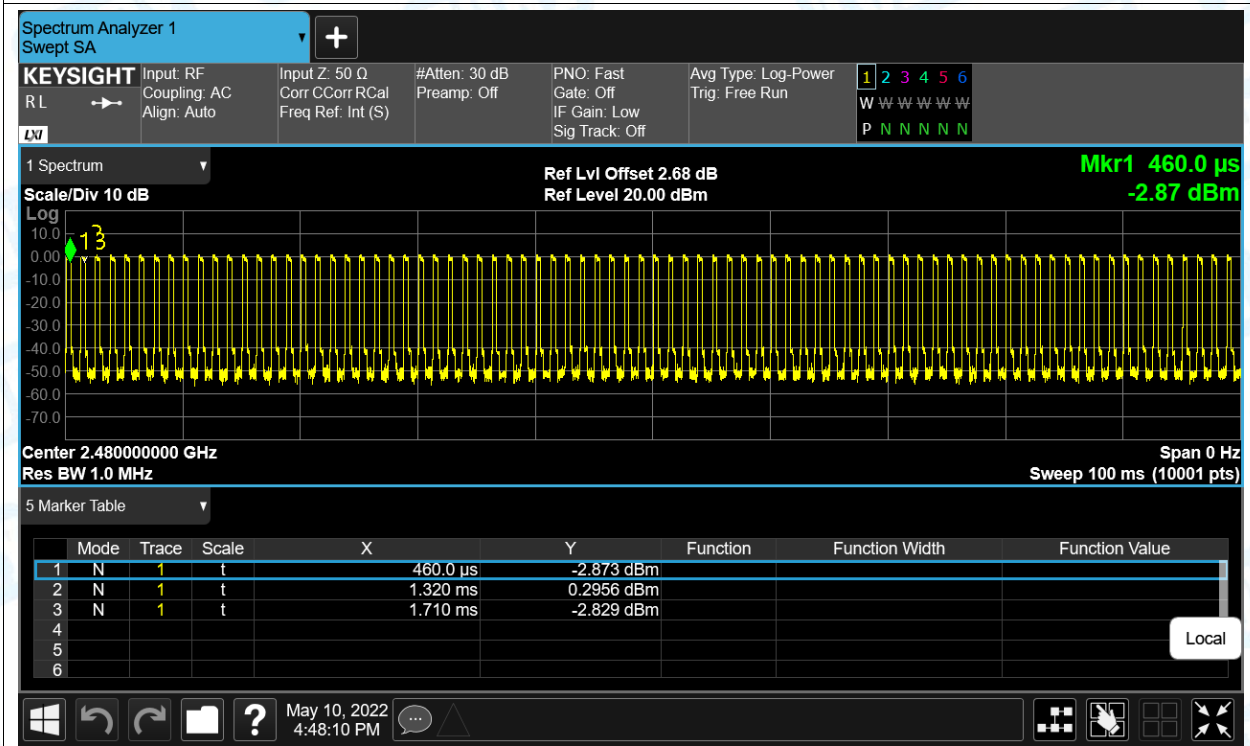
Duty Cycle NVNT 2-DH1 2402MHz Ant1



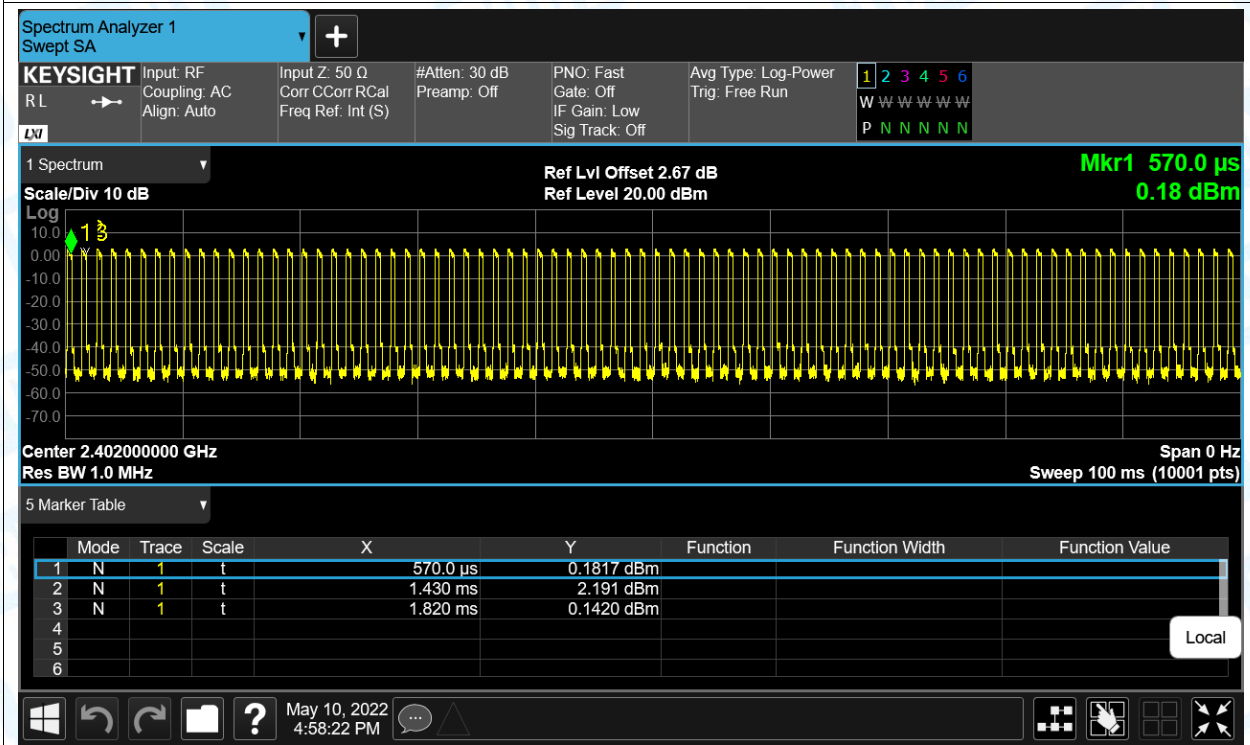
Duty Cycle NVNT 2-DH1 2441MHz Ant1



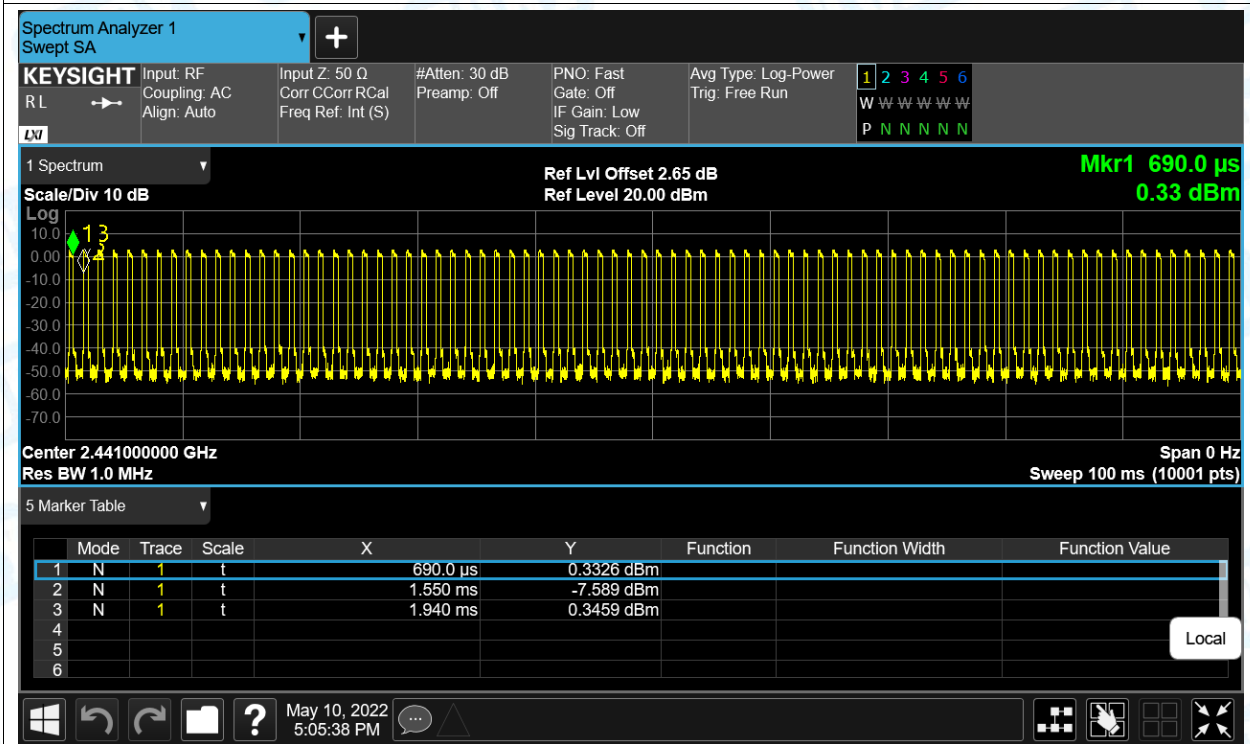
Duty Cycle NVNT 2-DH1 2480MHz Ant1

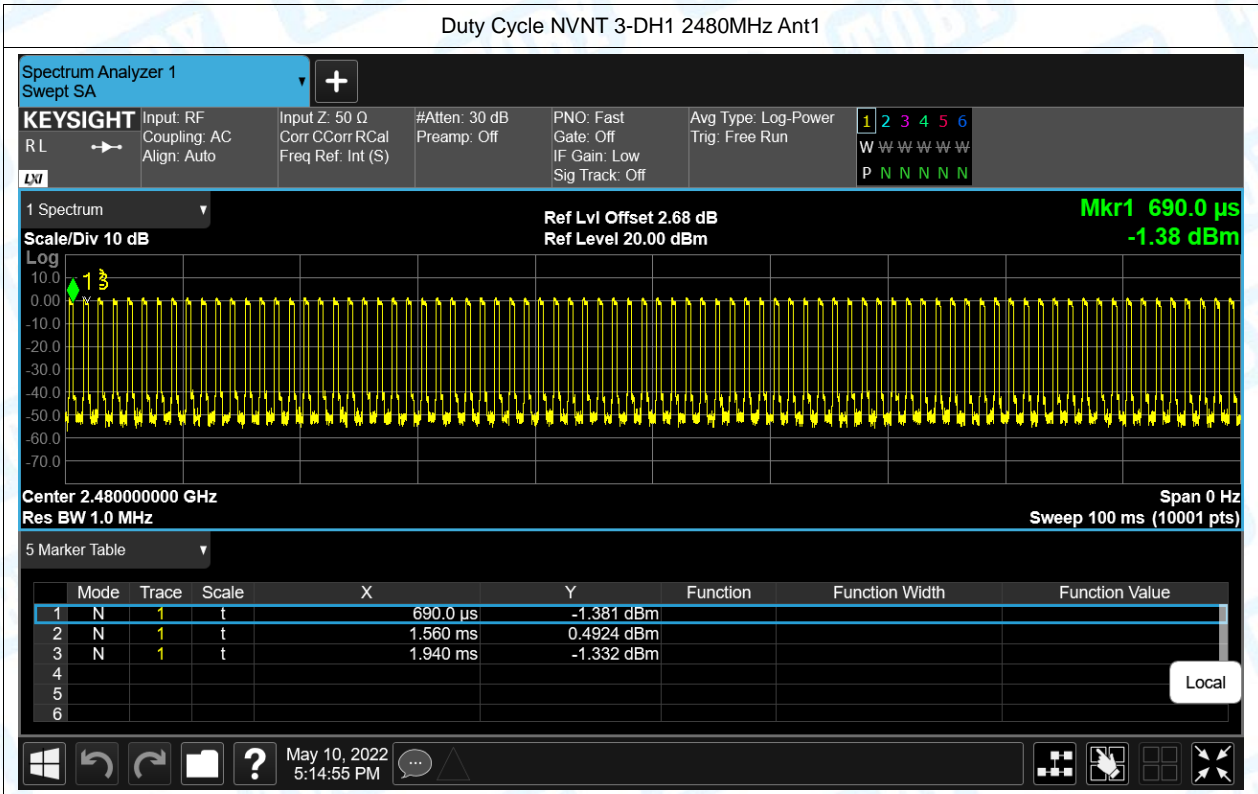


Duty Cycle NVNT 3-DH1 2402MHz Ant1



Duty Cycle NVNT 3-DH1 2441MHz Ant1



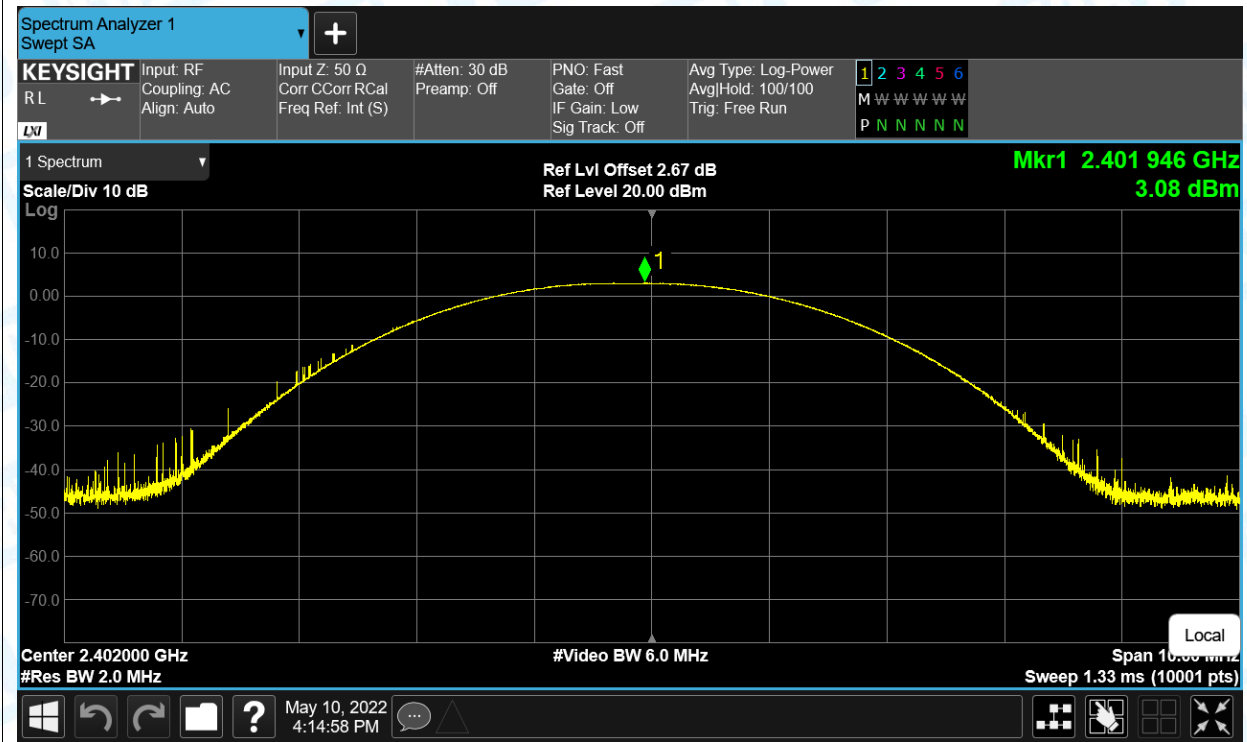


2. Maximum Conducted Output Power

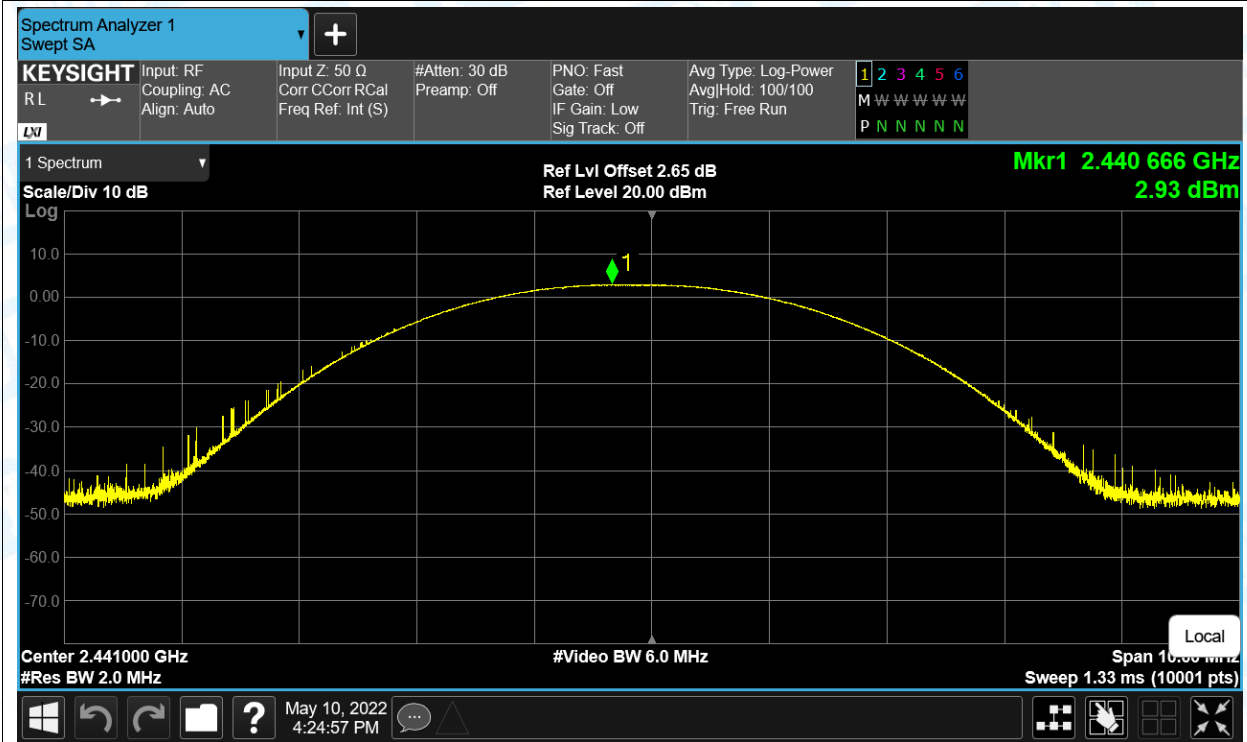
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	3.08	21	Pass
NVNT	1-DH1	2441	Ant1	2.93	21	Pass
NVNT	1-DH1	2480	Ant1	1.10	21	Pass
NVNT	2-DH1	2402	Ant1	3.07	21	Pass
NVNT	2-DH1	2441	Ant1	2.81	21	Pass
NVNT	2-DH1	2480	Ant1	0.94	21	Pass
NVNT	3-DH1	2402	Ant1	2.84	21	Pass
NVNT	3-DH1	2441	Ant1	2.88	21	Pass
NVNT	3-DH1	2480	Ant1	1.04	21	Pass

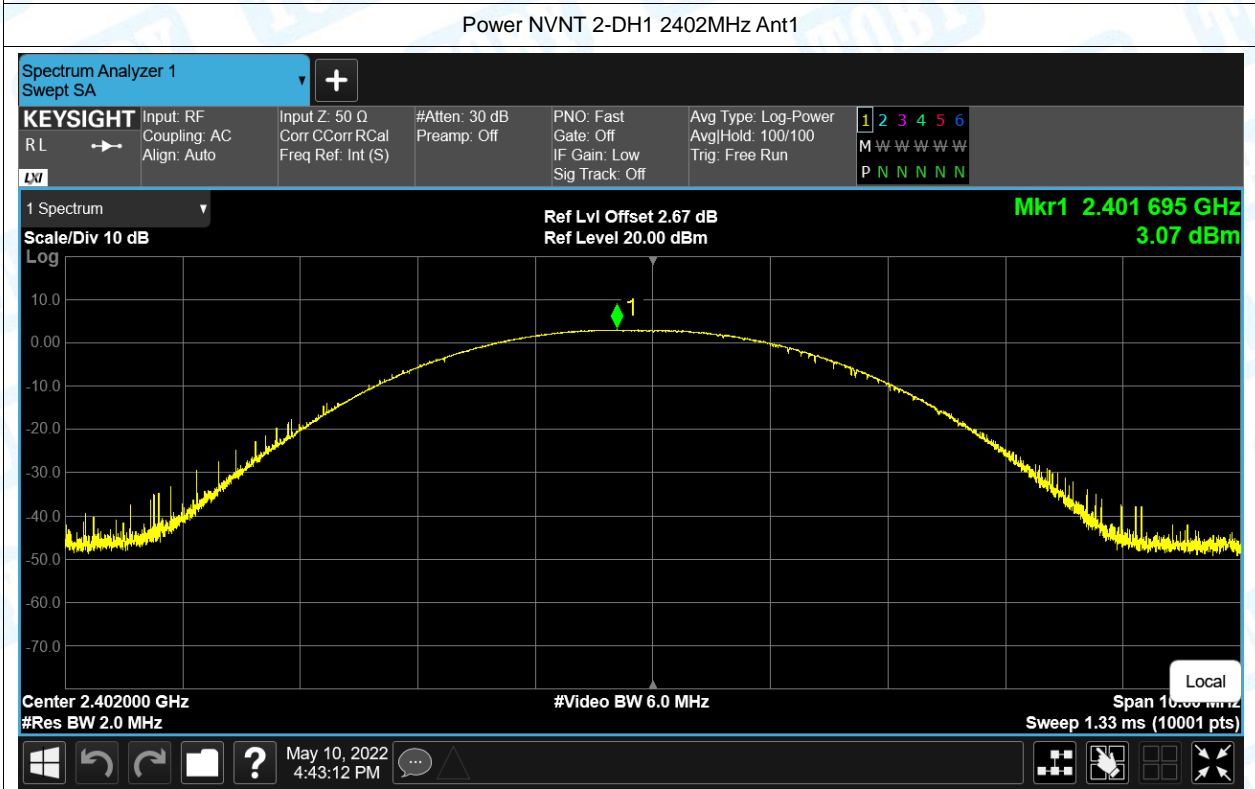
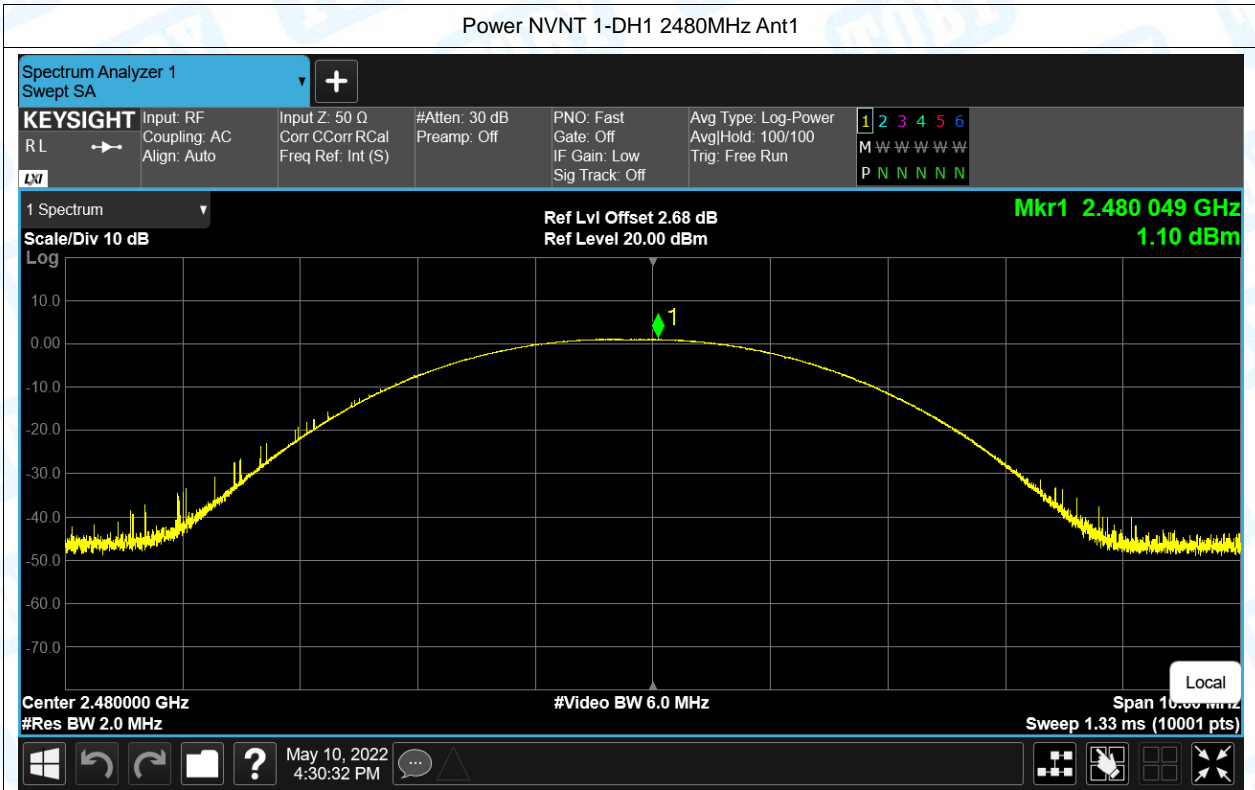
Test Graphs

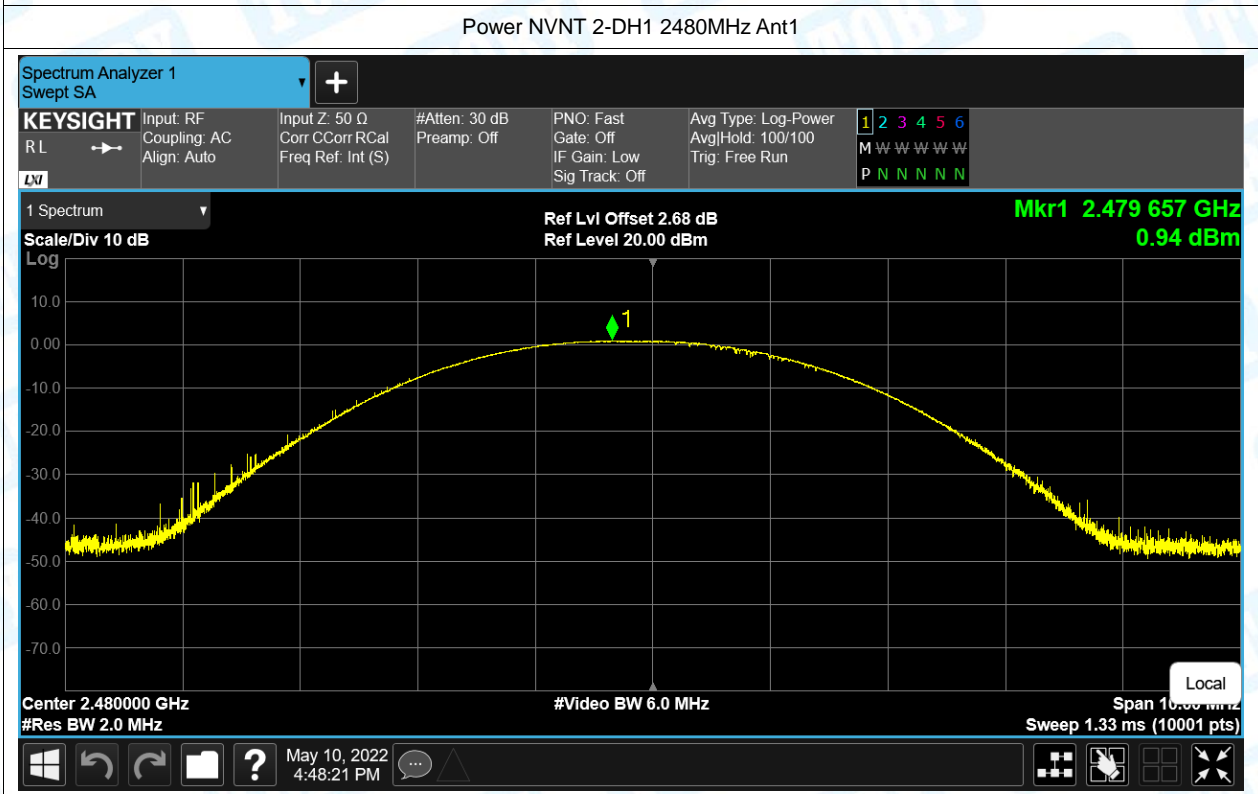
Power NVNT 1-DH1 2402MHz Ant1

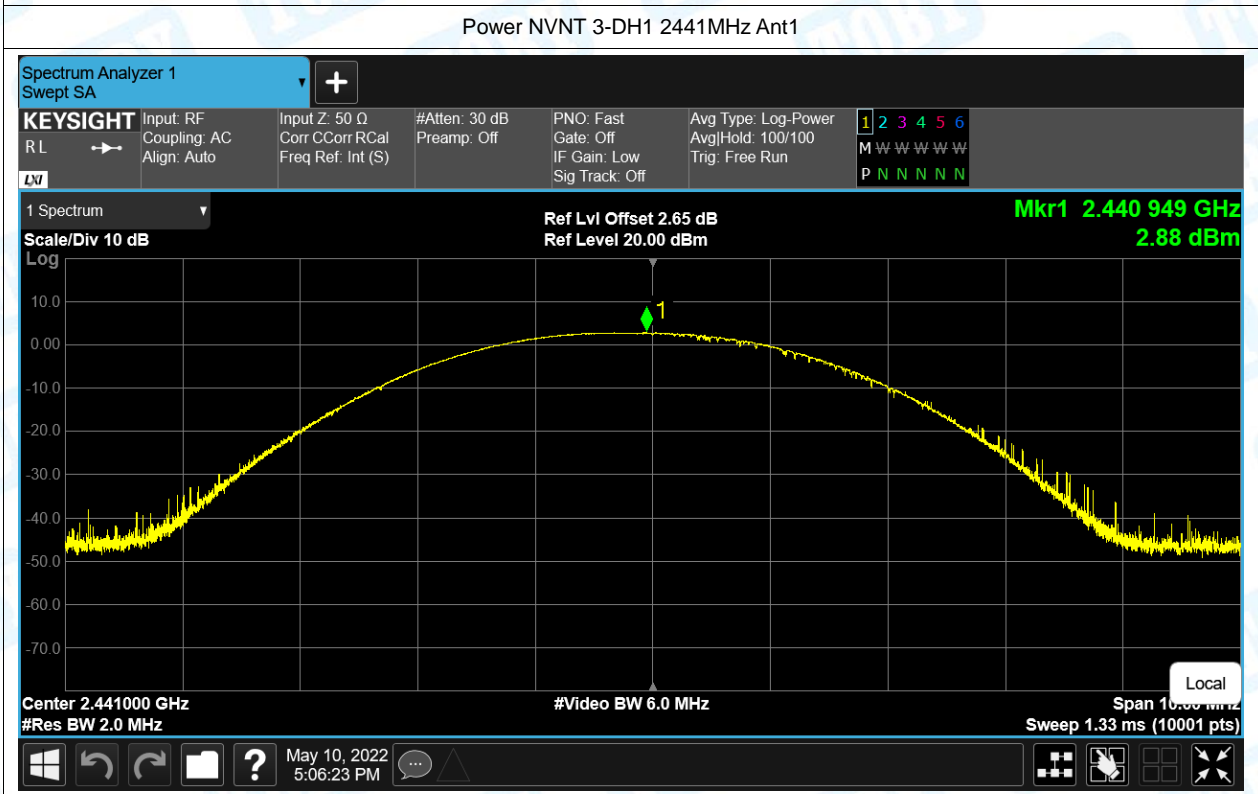


Power NVNT 1-DH1 2441MHz Ant1





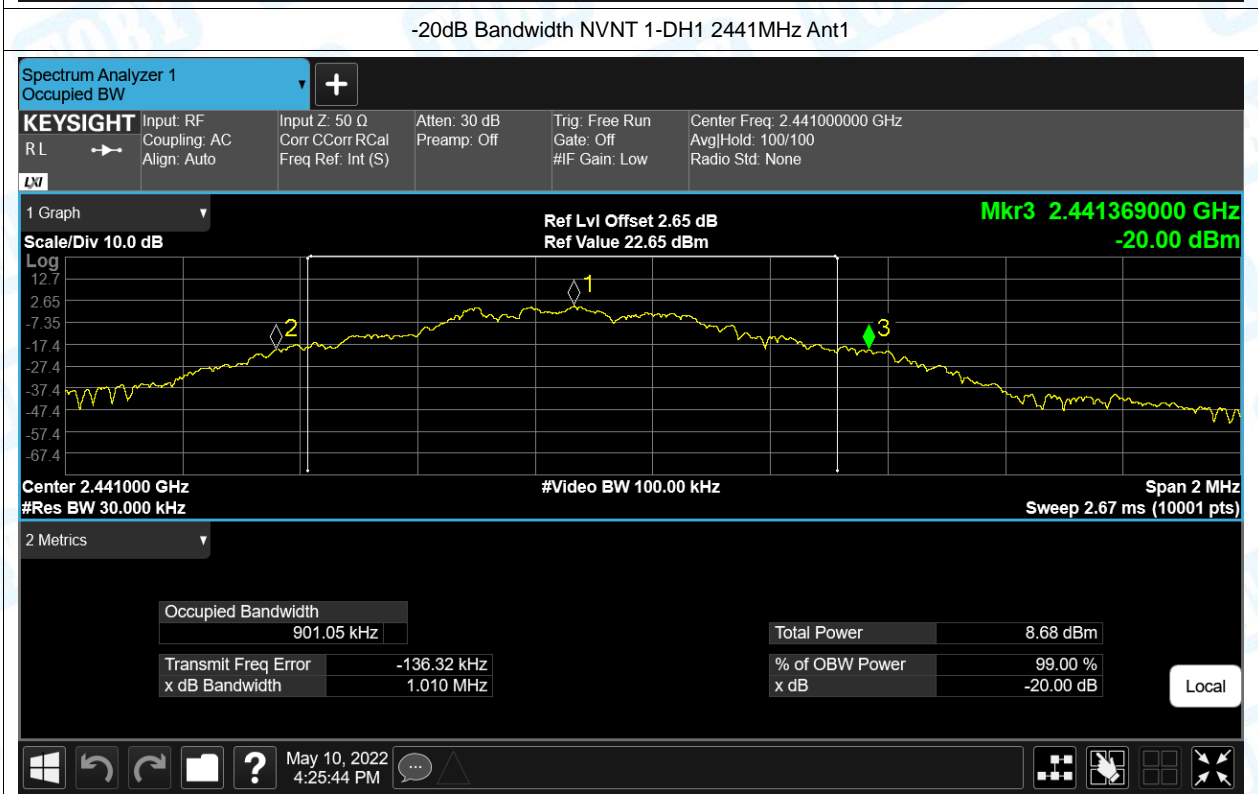
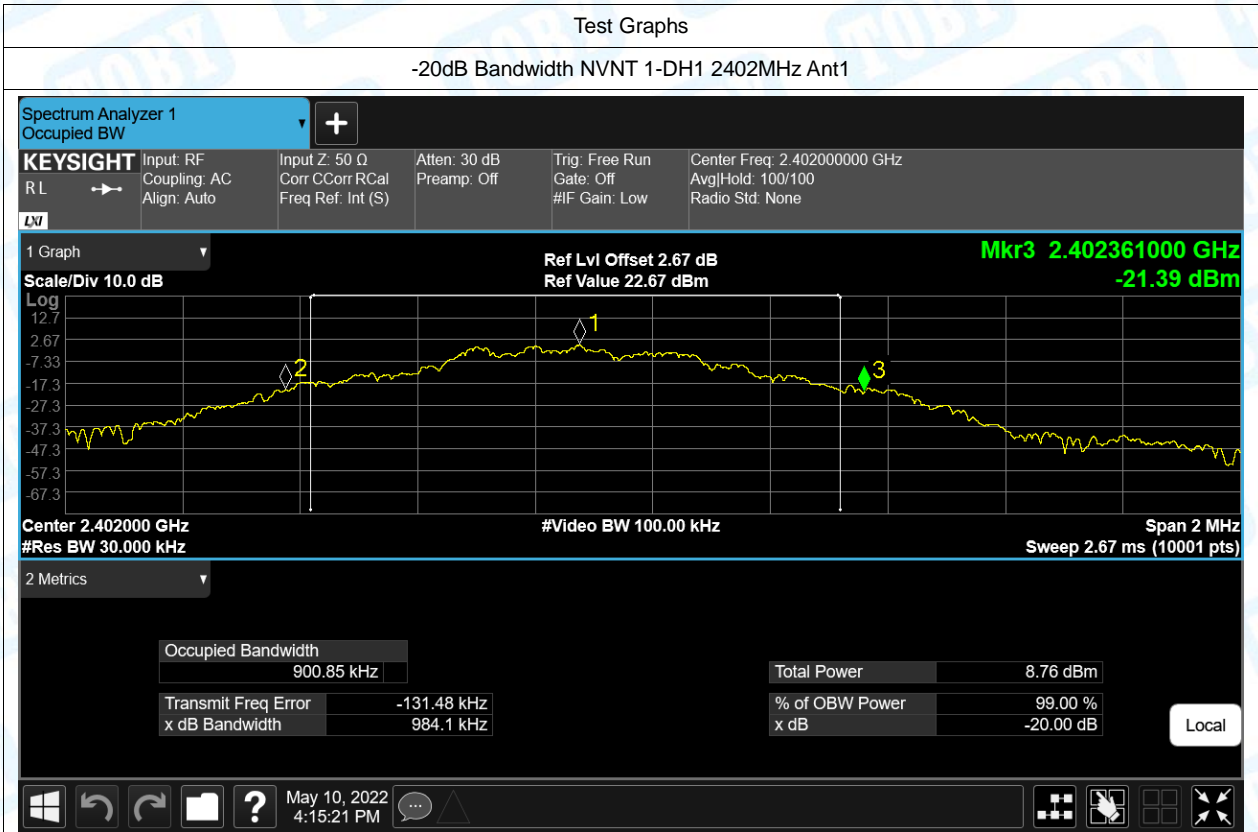






3. -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	0.98	----	Pass
NVNT	1-DH1	2441	Ant1	1.01	----	Pass
NVNT	1-DH1	2480	Ant1	1.01	----	Pass
NVNT	2-DH1	2402	Ant1	1.3	----	Pass
NVNT	2-DH1	2441	Ant1	1.29	----	Pass
NVNT	2-DH1	2480	Ant1	1.28	----	Pass
NVNT	3-DH1	2402	Ant1	1.28	----	Pass
NVNT	3-DH1	2441	Ant1	1.28	----	Pass
NVNT	3-DH1	2480	Ant1	1.28	----	Pass



-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



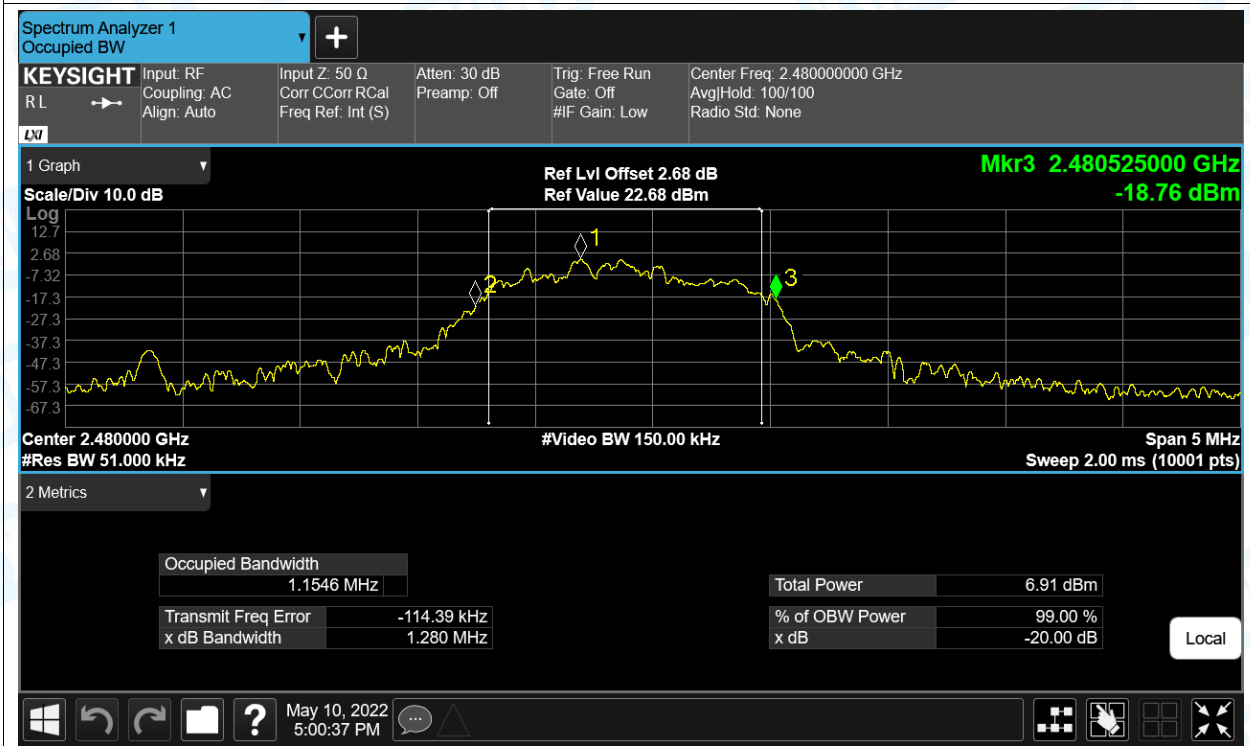
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1

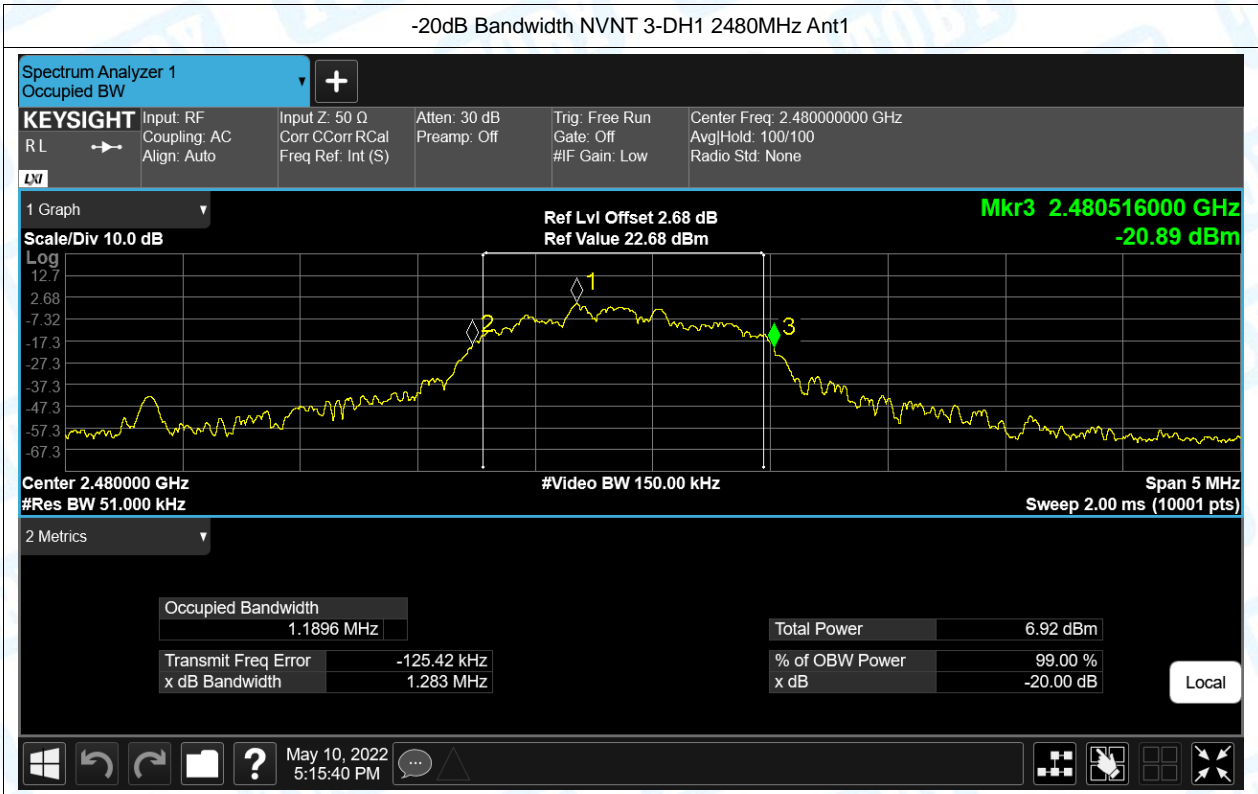


-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



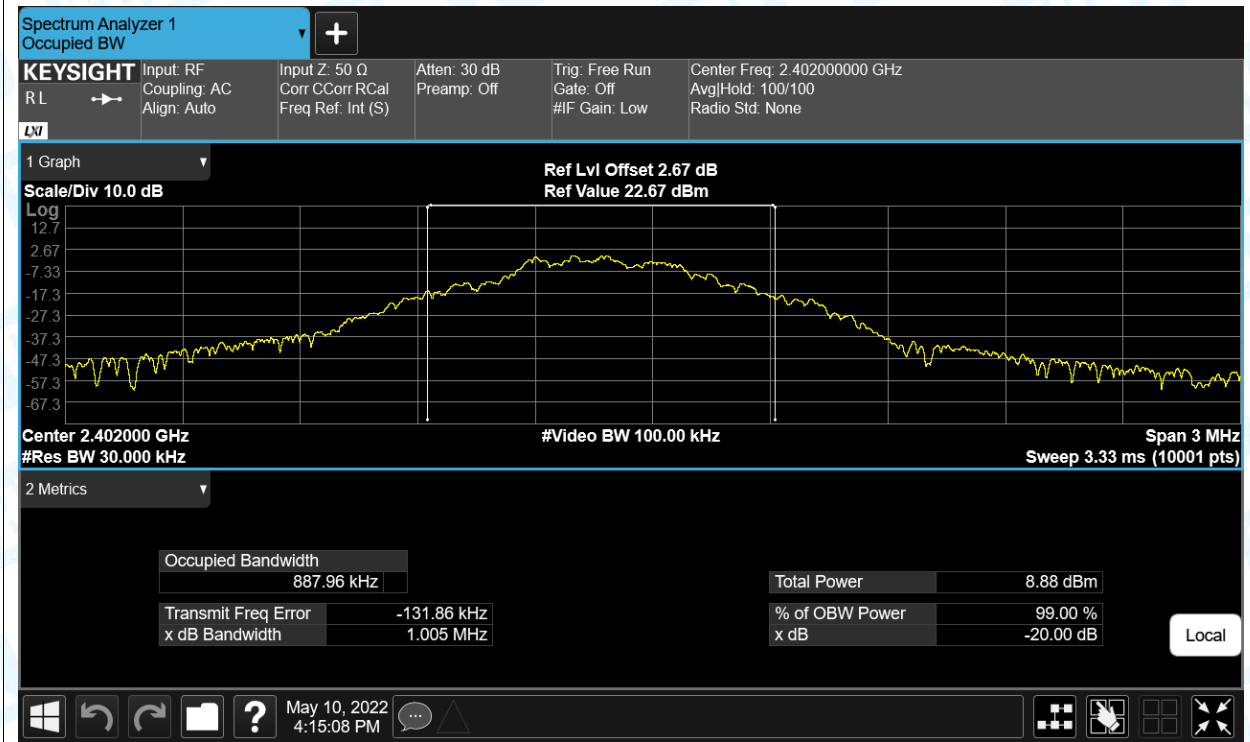


4. Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.888
NVNT	1-DH1	2441	Ant1	0.914
NVNT	1-DH1	2480	Ant1	0.897
NVNT	2-DH1	2402	Ant1	1.194
NVNT	2-DH1	2441	Ant1	1.185
NVNT	2-DH1	2480	Ant1	1.165
NVNT	3-DH1	2402	Ant1	1.19
NVNT	3-DH1	2441	Ant1	1.184
NVNT	3-DH1	2480	Ant1	1.178

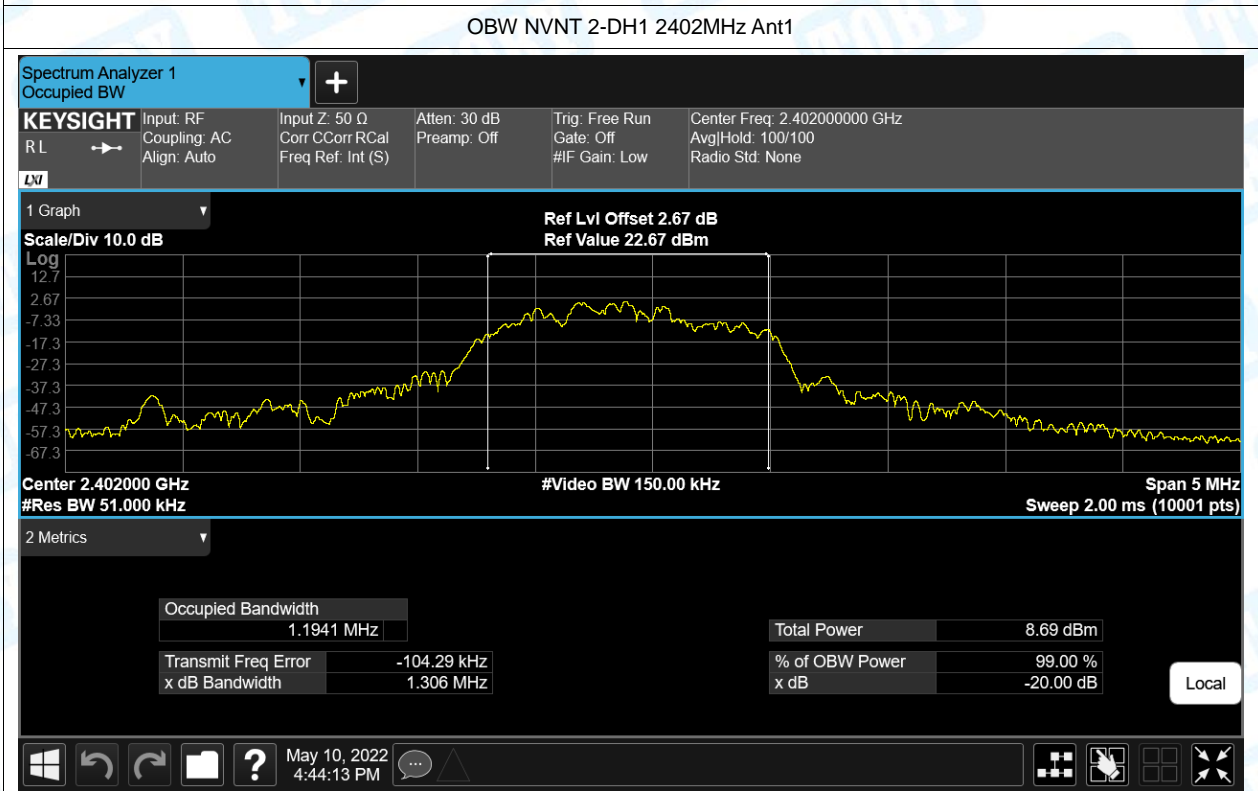
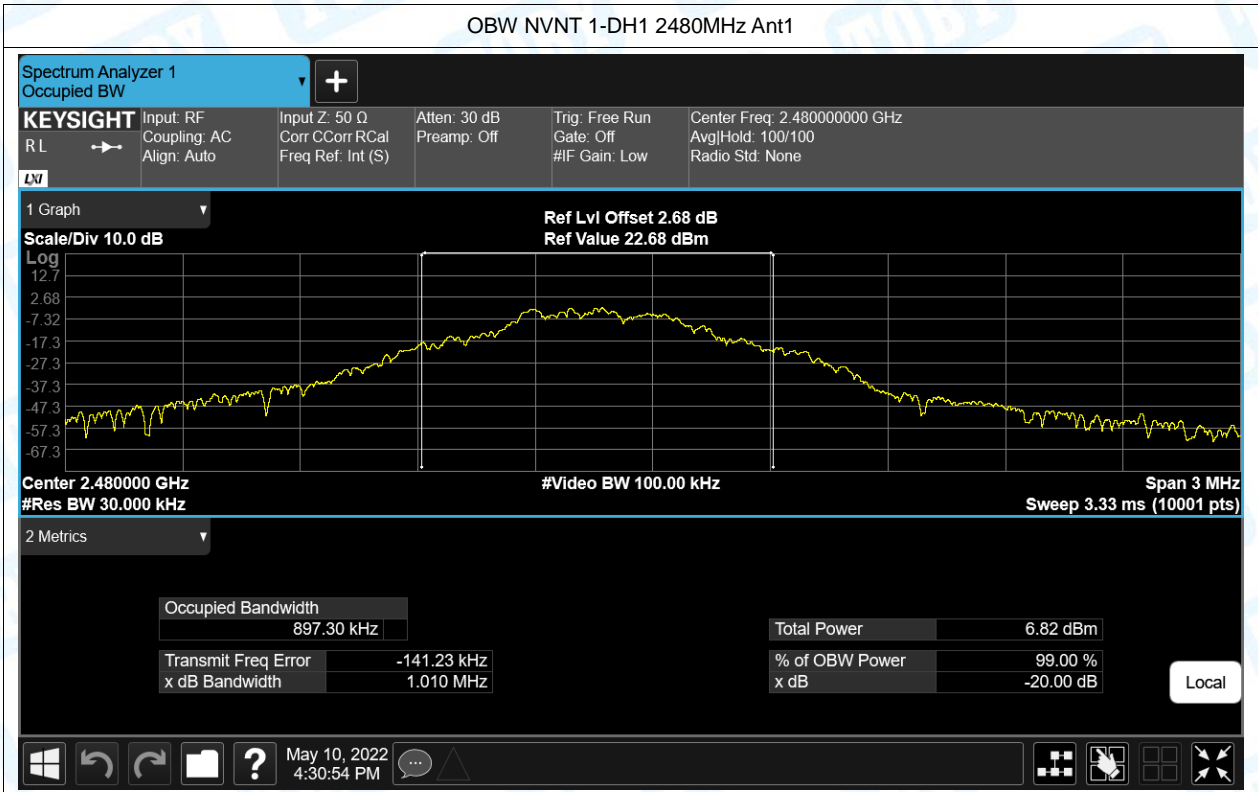
Test Graphs

OBW NVNT 1-DH1 2402MHz Ant1



OBW NVNT 1-DH1 2441MHz Ant1



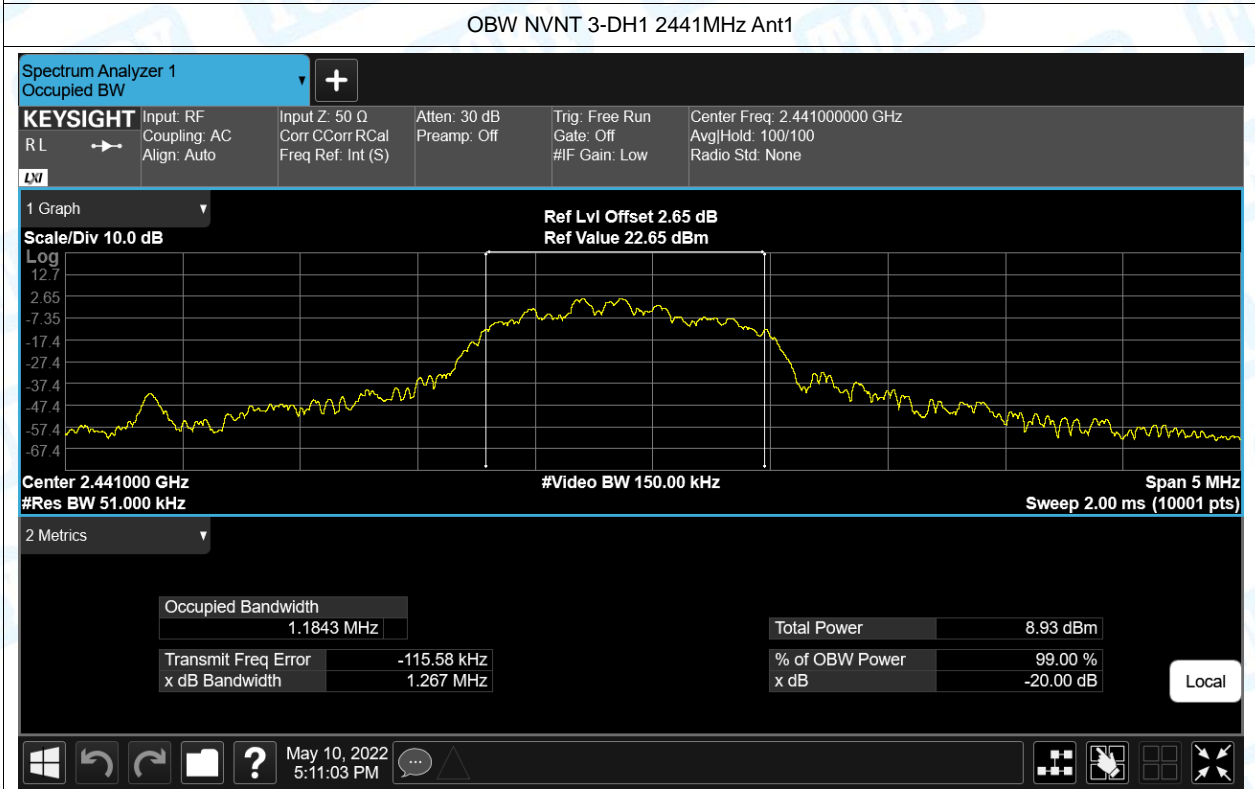
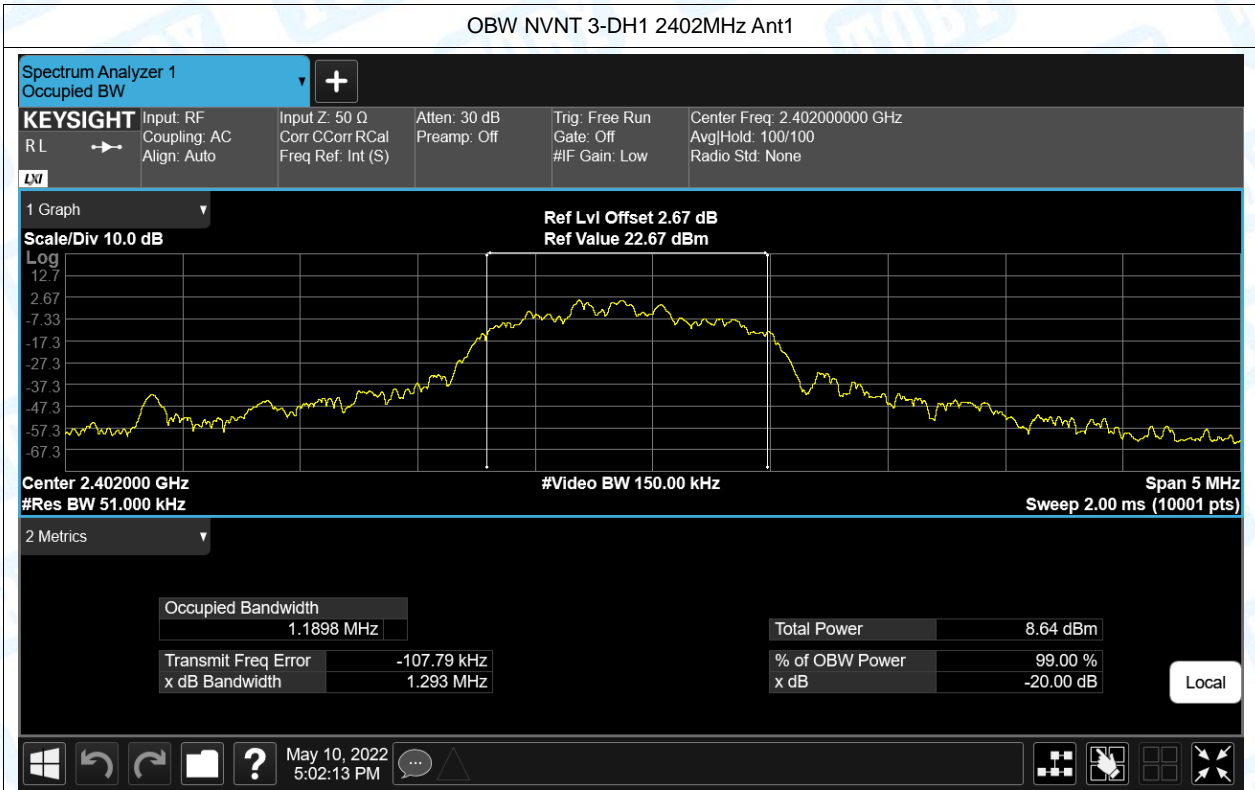


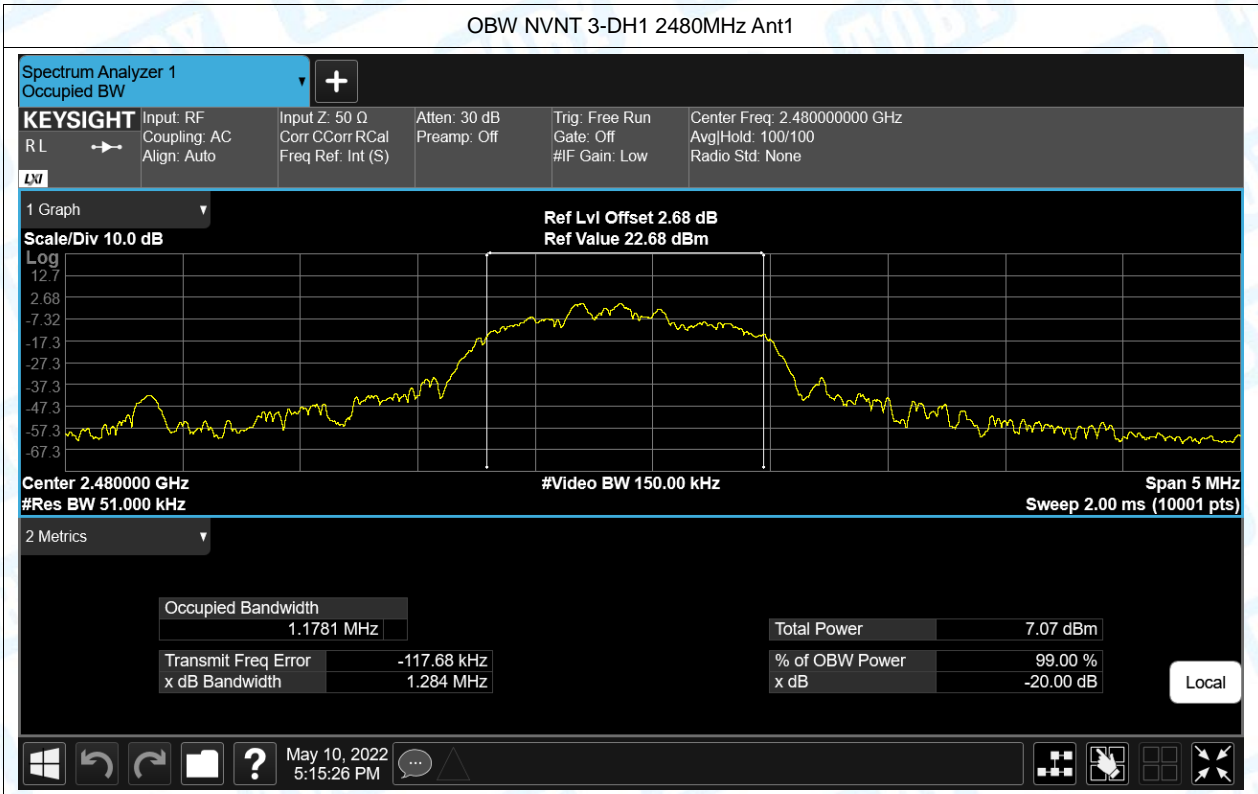
OBW NVNT 2-DH1 2441MHz Ant1



OBW NVNT 2-DH1 2480MHz Ant1





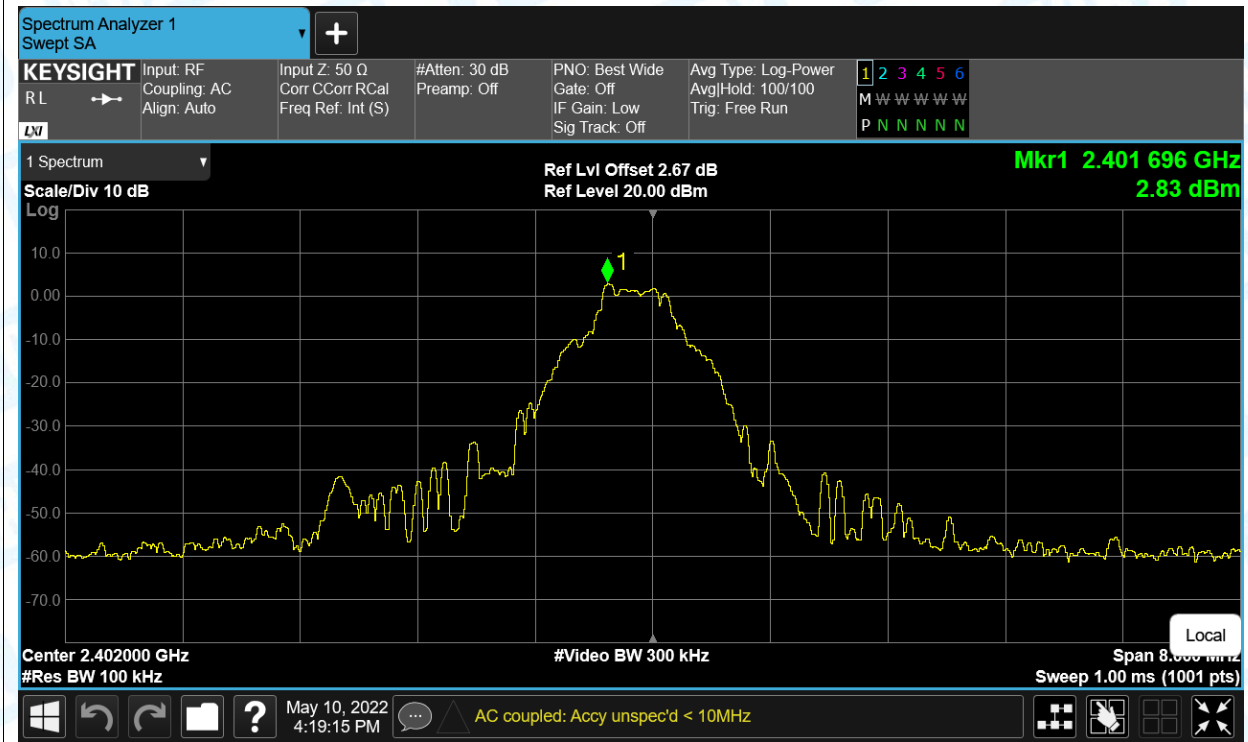


5. Band Edge

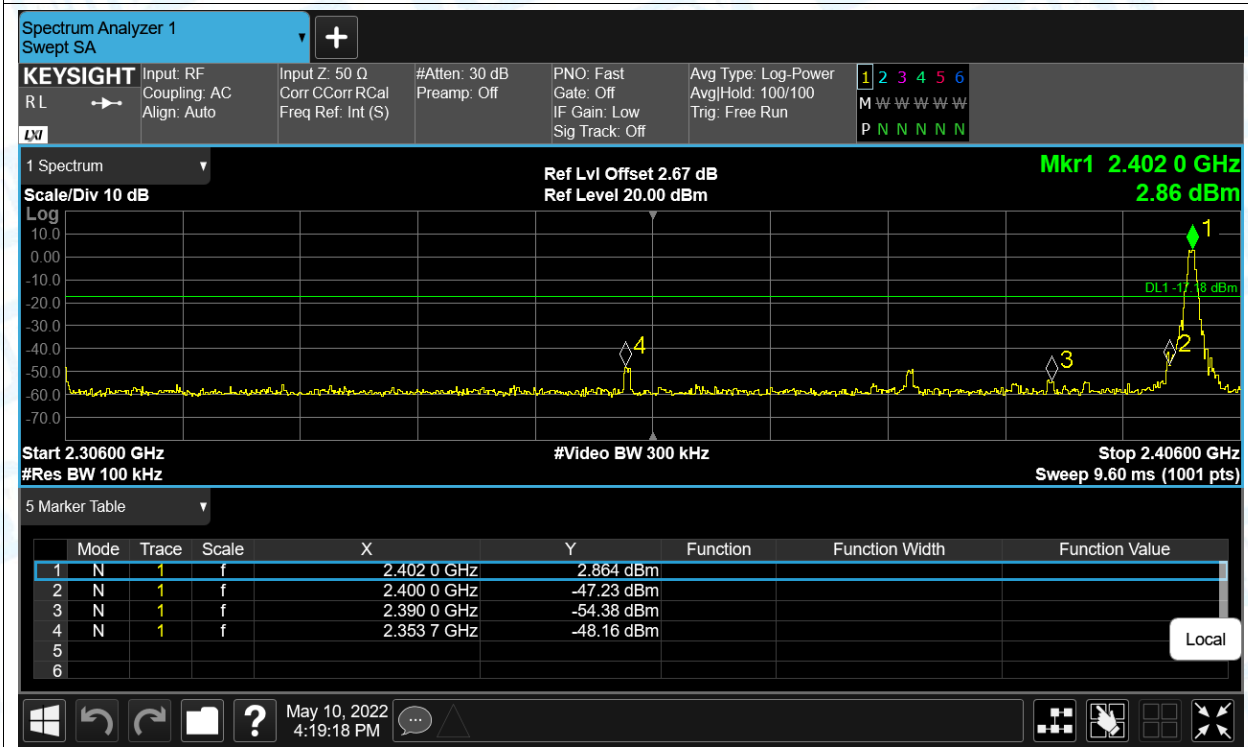
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-50.99	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-56.38	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-50.05	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-56.69	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-51.36	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-55.23	-20	Pass

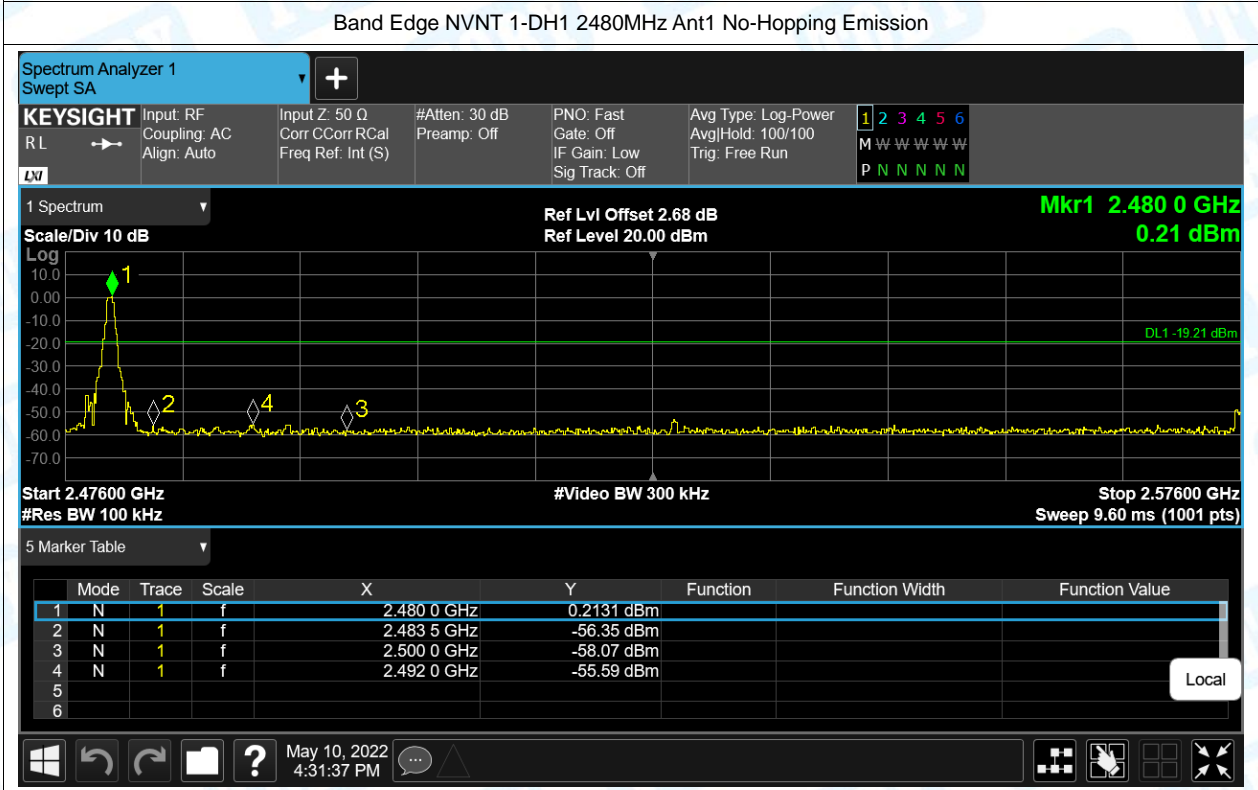
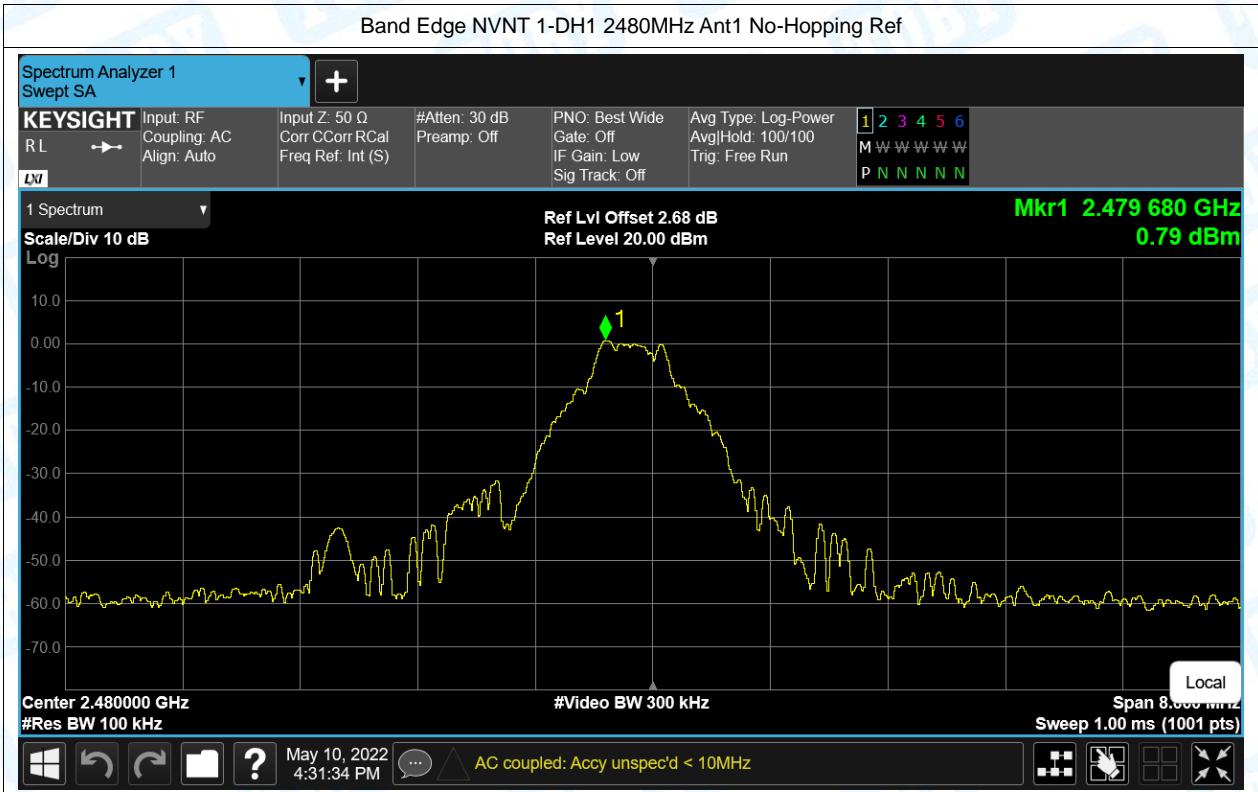
Test Graphs

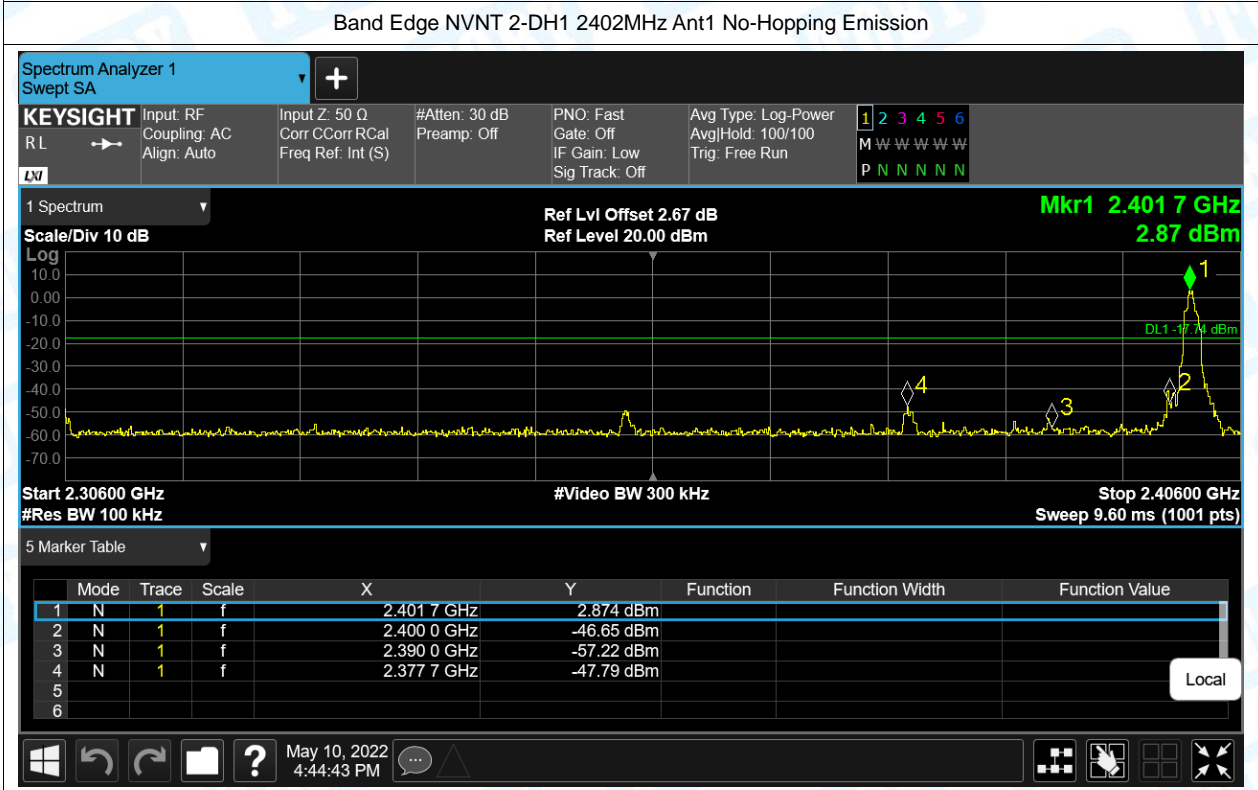
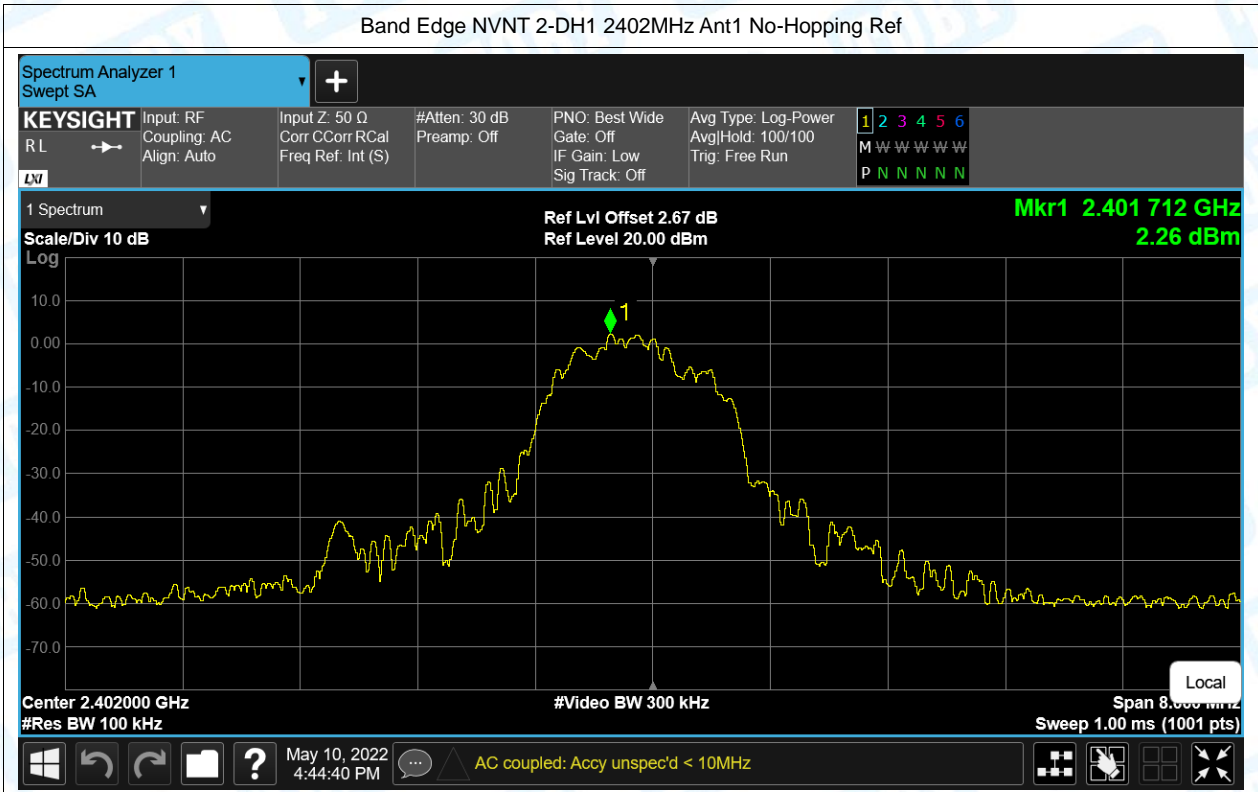
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref

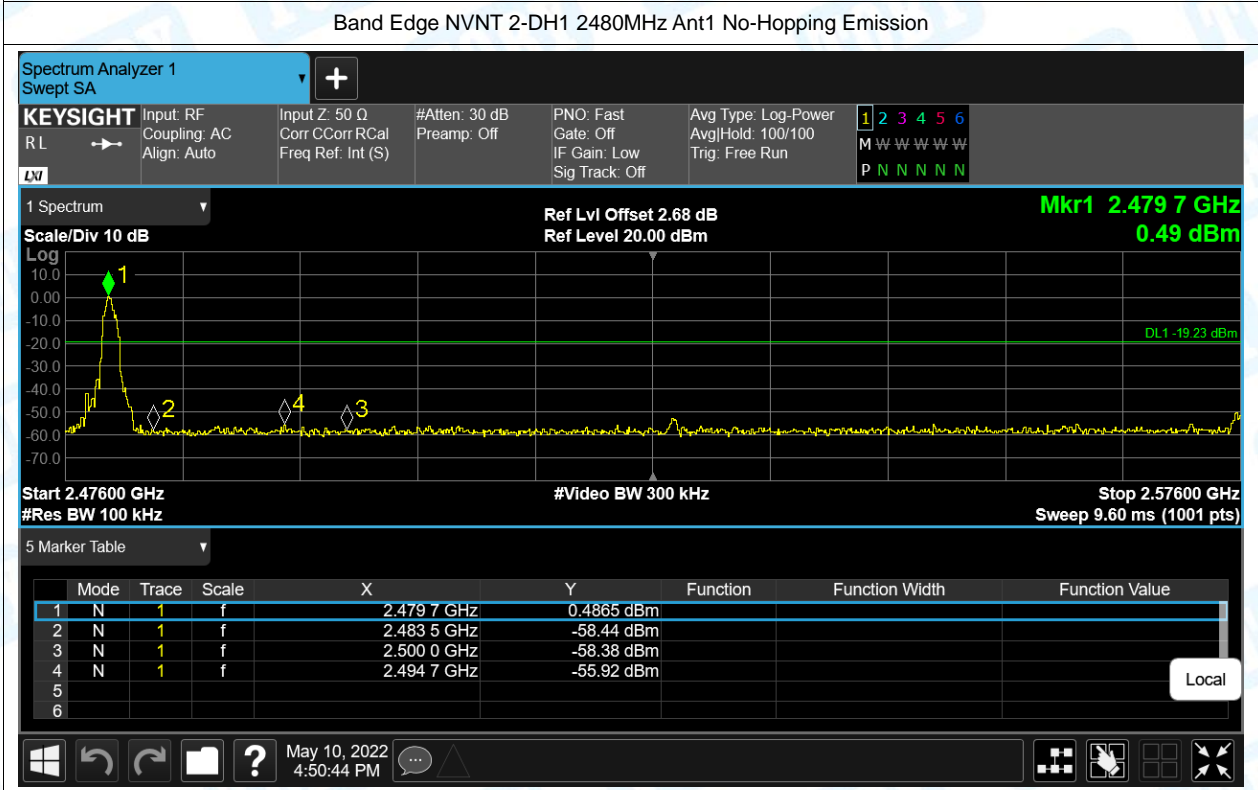
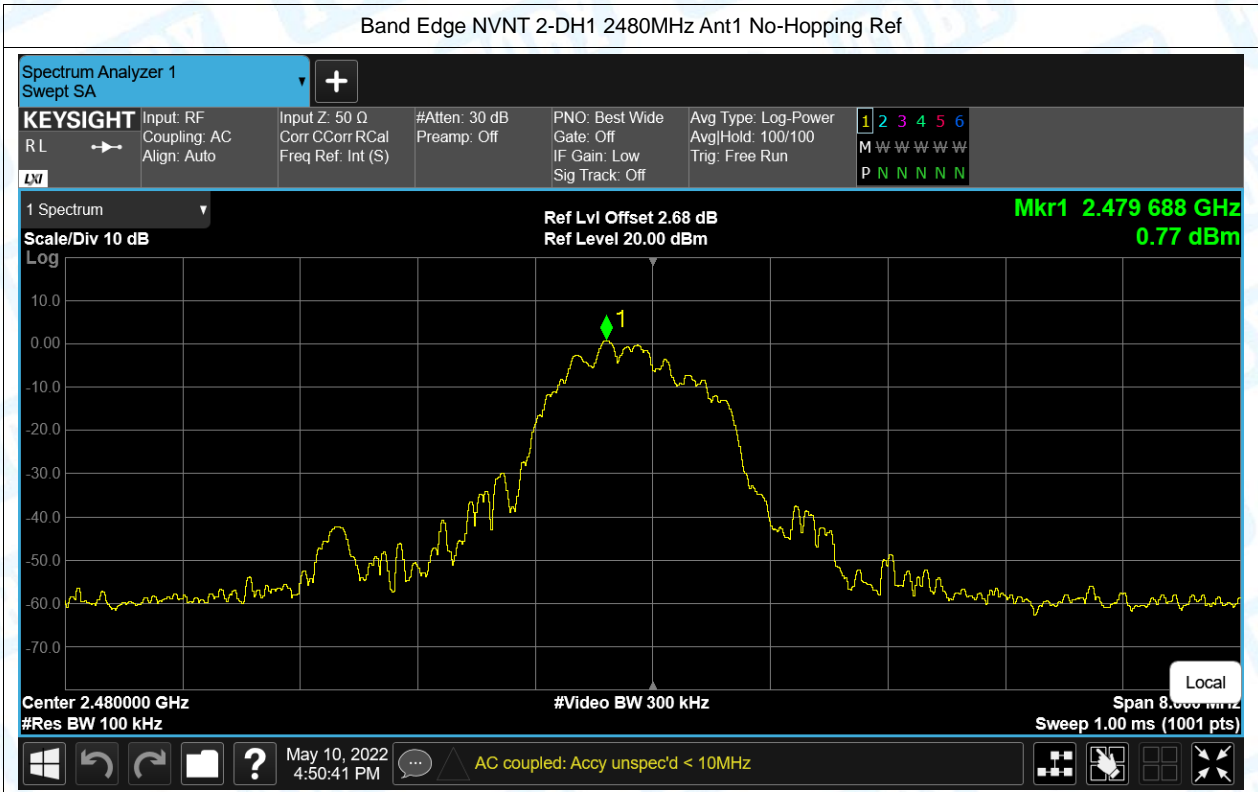


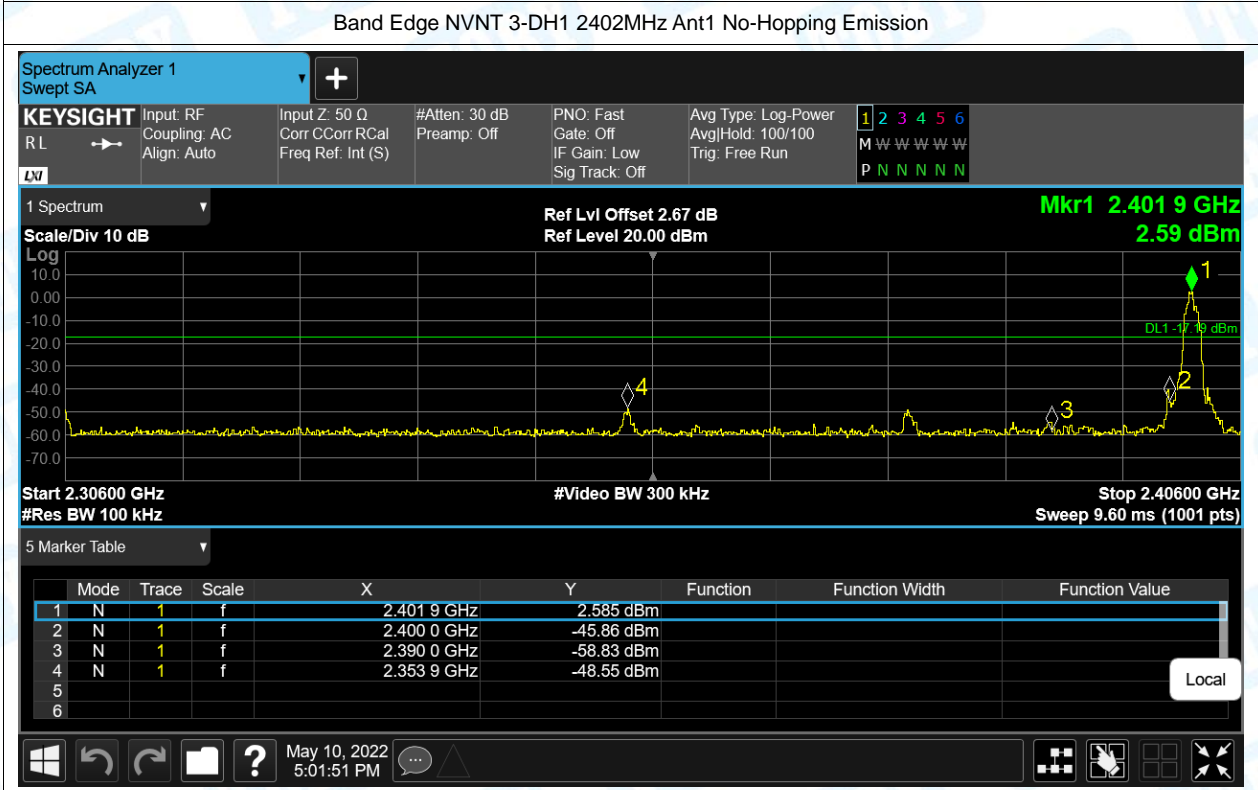
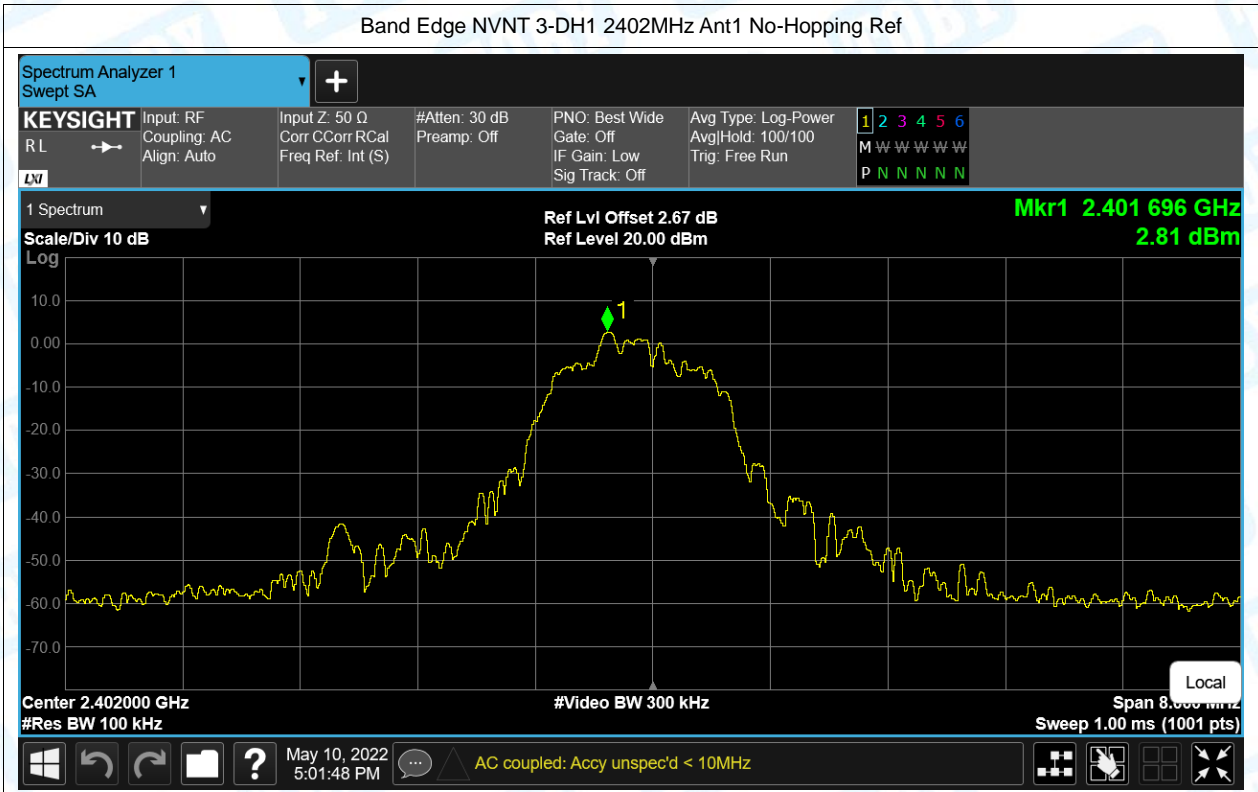
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission

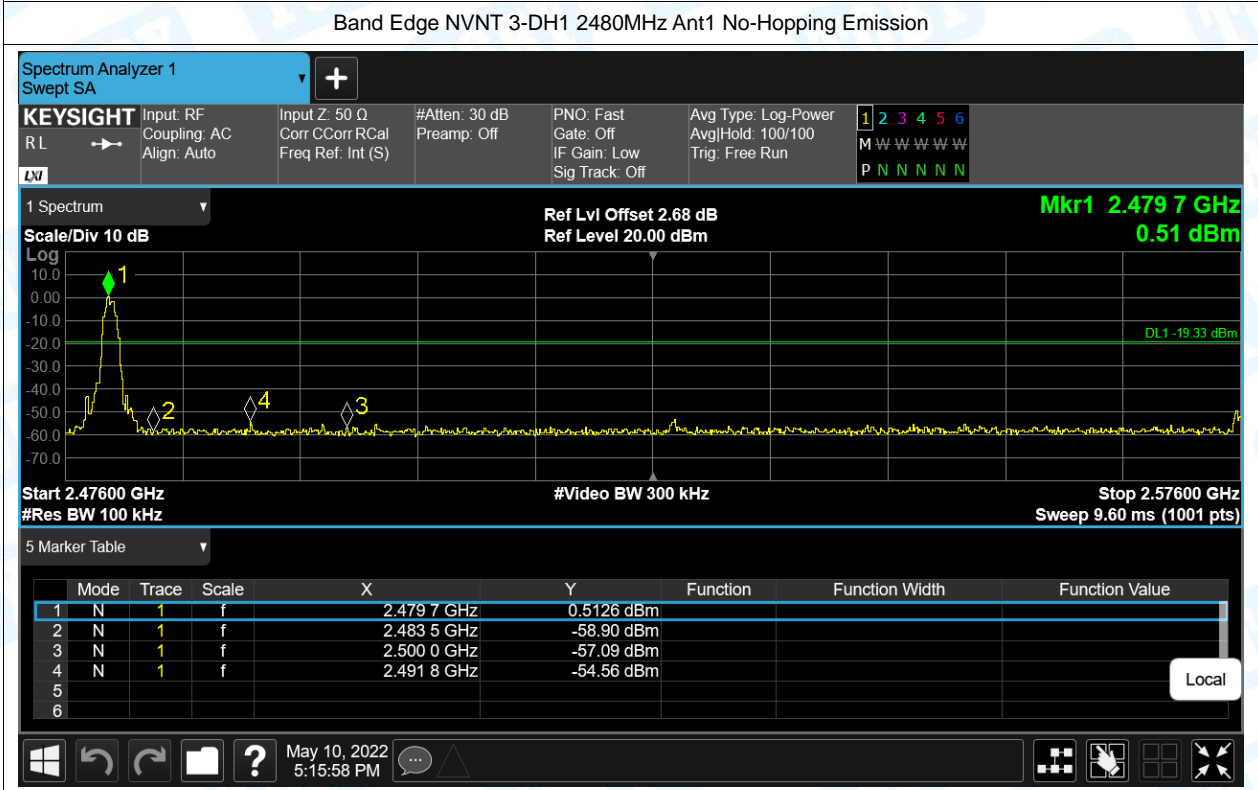
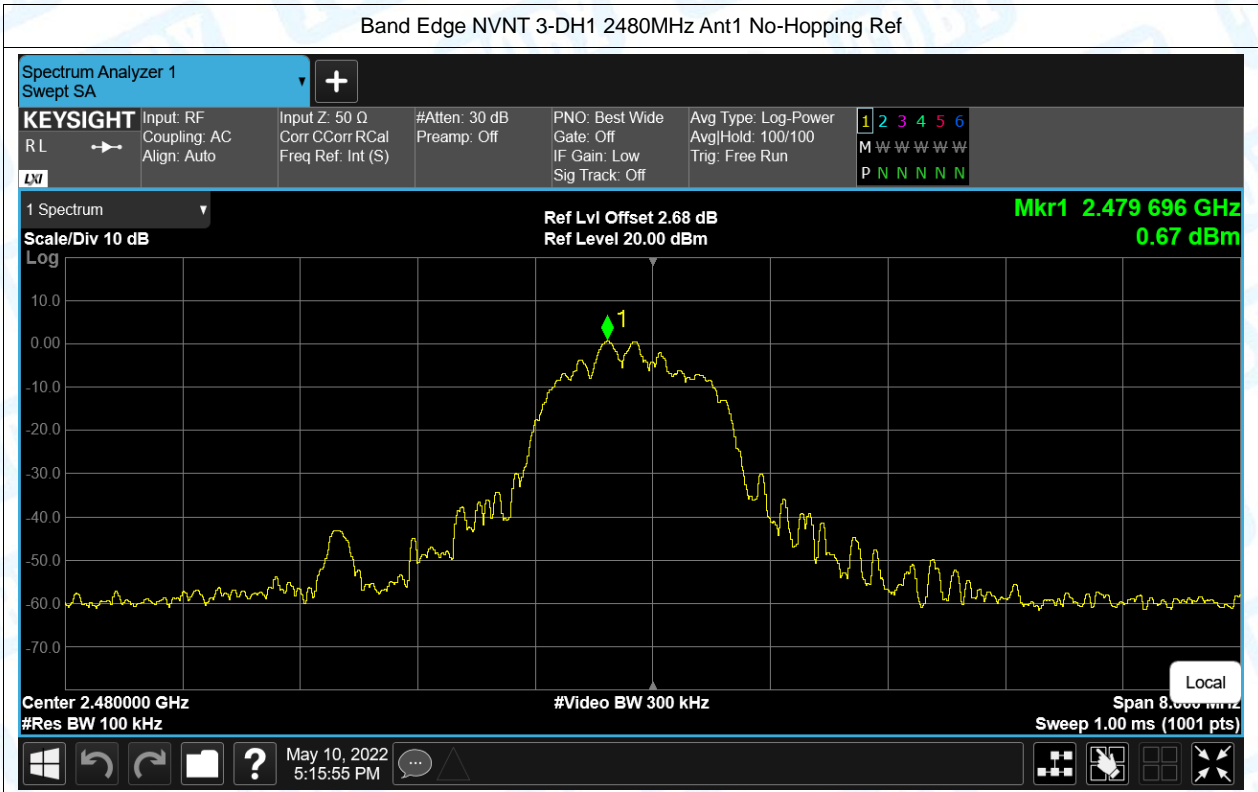










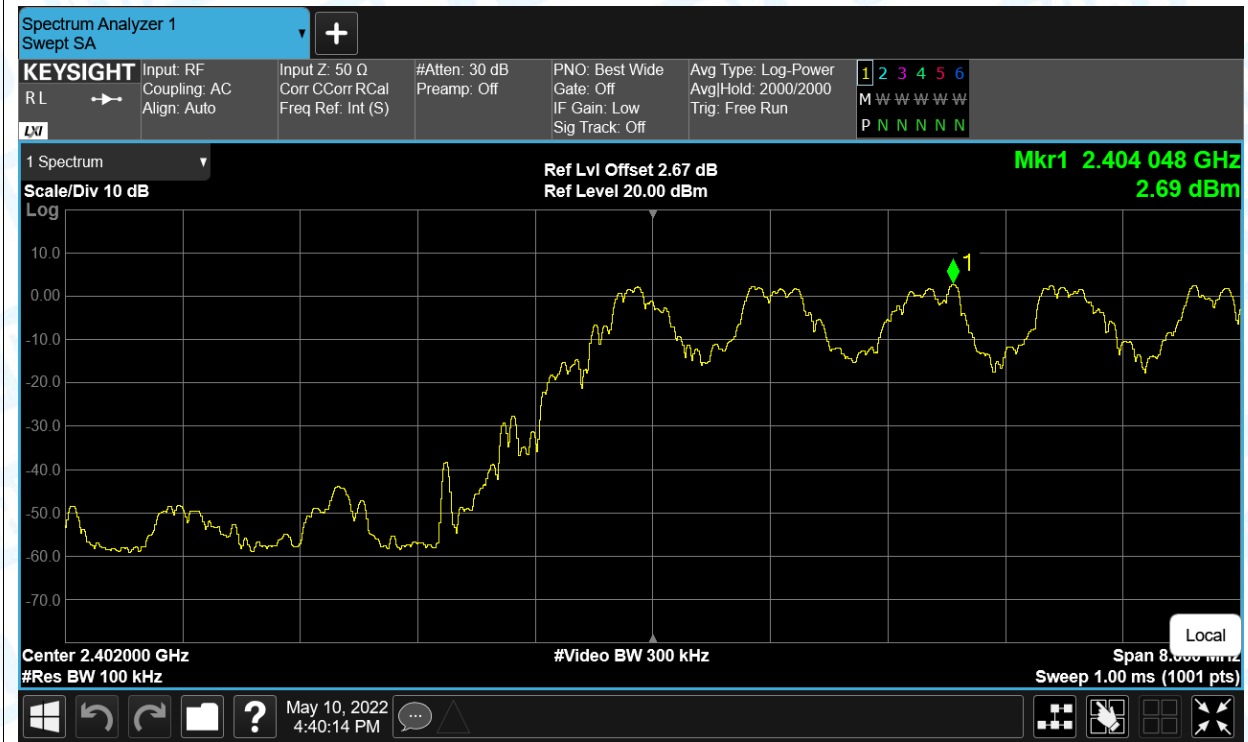


6. Band Edge(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-48.46	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-45.52	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-47.72	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-46.62	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-48.63	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-46.15	-20	Pass

Test Graphs

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



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

