

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

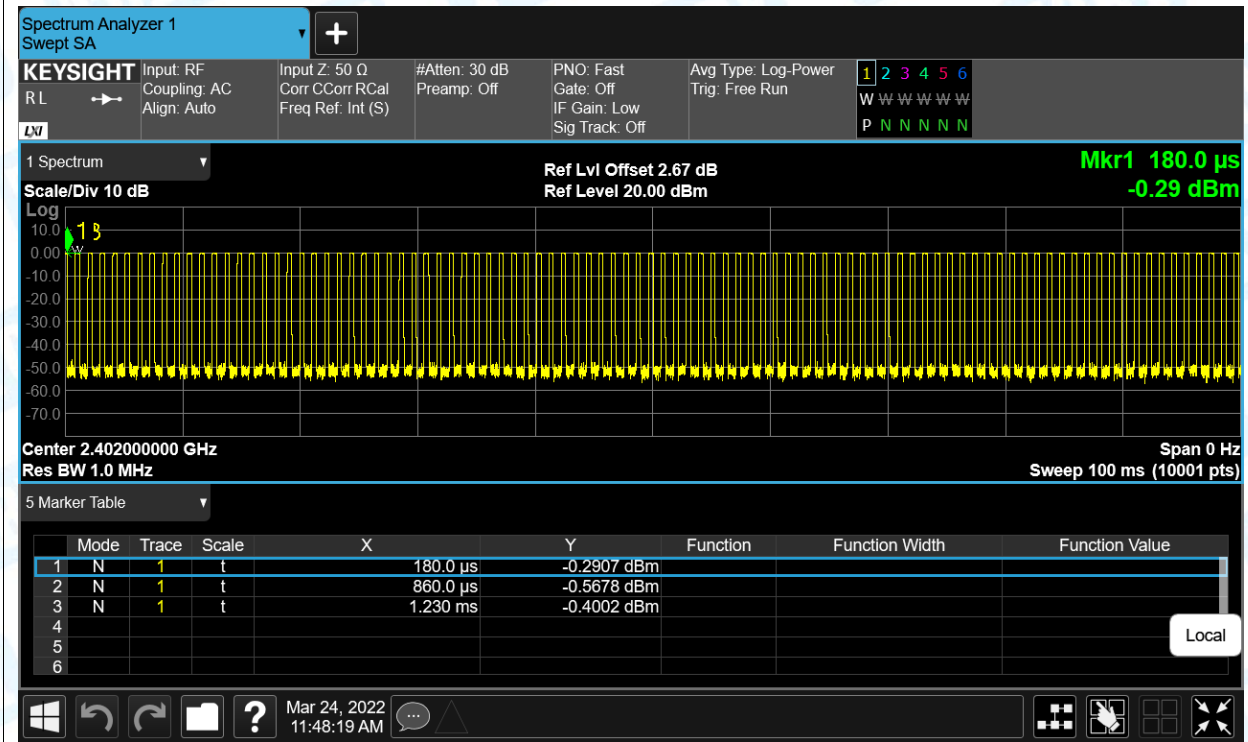
General Description of EUT	
Product Name:	SWAMI VIBE
Test Model:	SWAMI VIBE
Sample ID:	RW-C-202203-0107-4-2#
Environmental Conditions	
Temperature:	23.8°C
Relative Humidity:	48%
Test Voltage:	DC 3.7V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202203-0107-6	

1. Duty Cycle

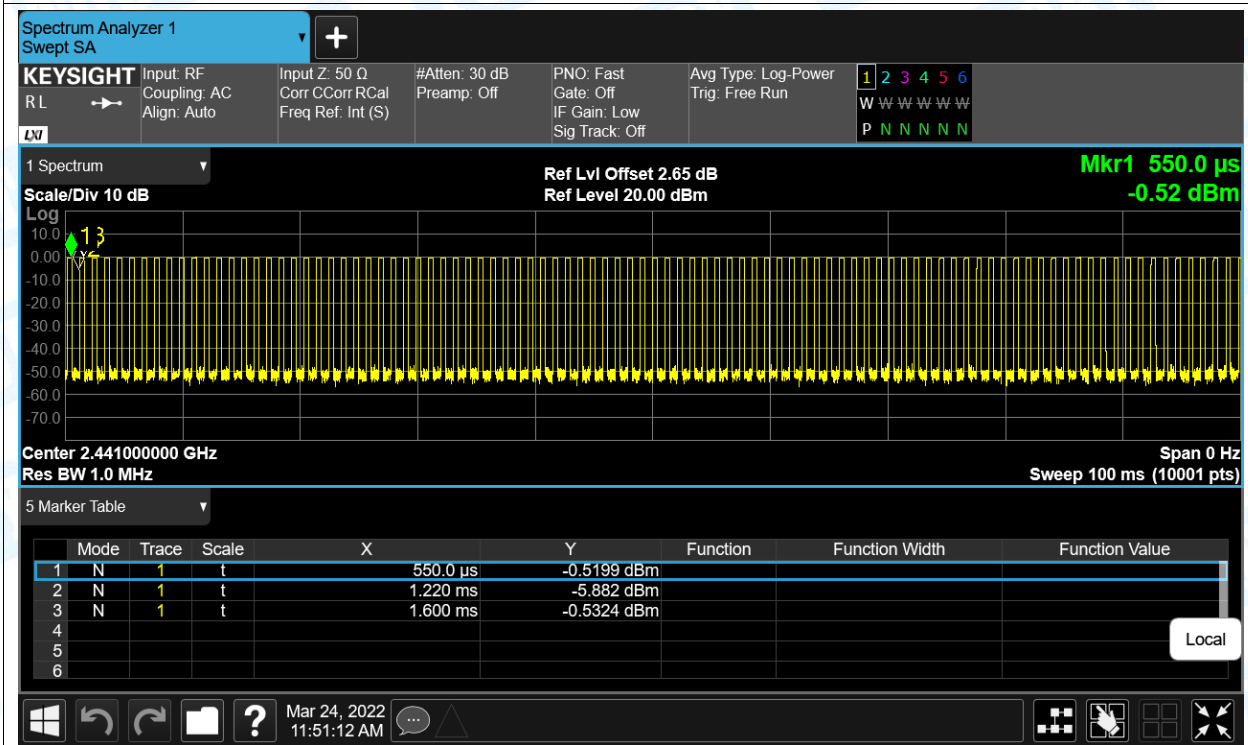
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH1	2402	Ant1	37.32	4.28	2.7
NVNT	1-DH1	2441	Ant1	37.25	4.29	2.63
NVNT	1-DH1	2480	Ant1	37.32	4.28	2.5
NVNT	2-DH1	2402	Ant1	37.3	4.28	2.63
NVNT	2-DH1	2441	Ant1	37.15	4.3	2.63
NVNT	2-DH1	2480	Ant1	37.07	4.31	2.63
NVNT	3-DH1	2402	Ant1	37.37	4.28	2.5
NVNT	3-DH1	2441	Ant1	37.12	4.3	2.63
NVNT	3-DH1	2480	Ant1	37.04	4.31	2.56

Test Graphs

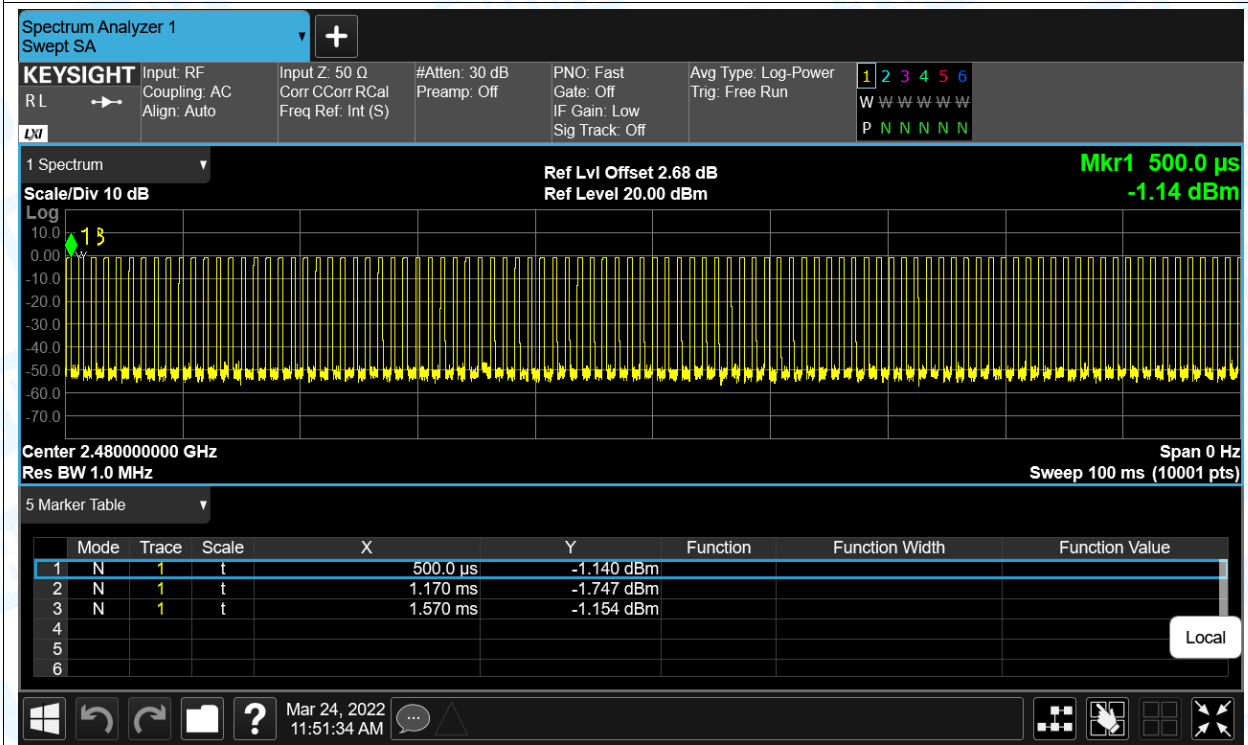
Duty Cycle NVNT 1-DH1 2402MHz Ant1



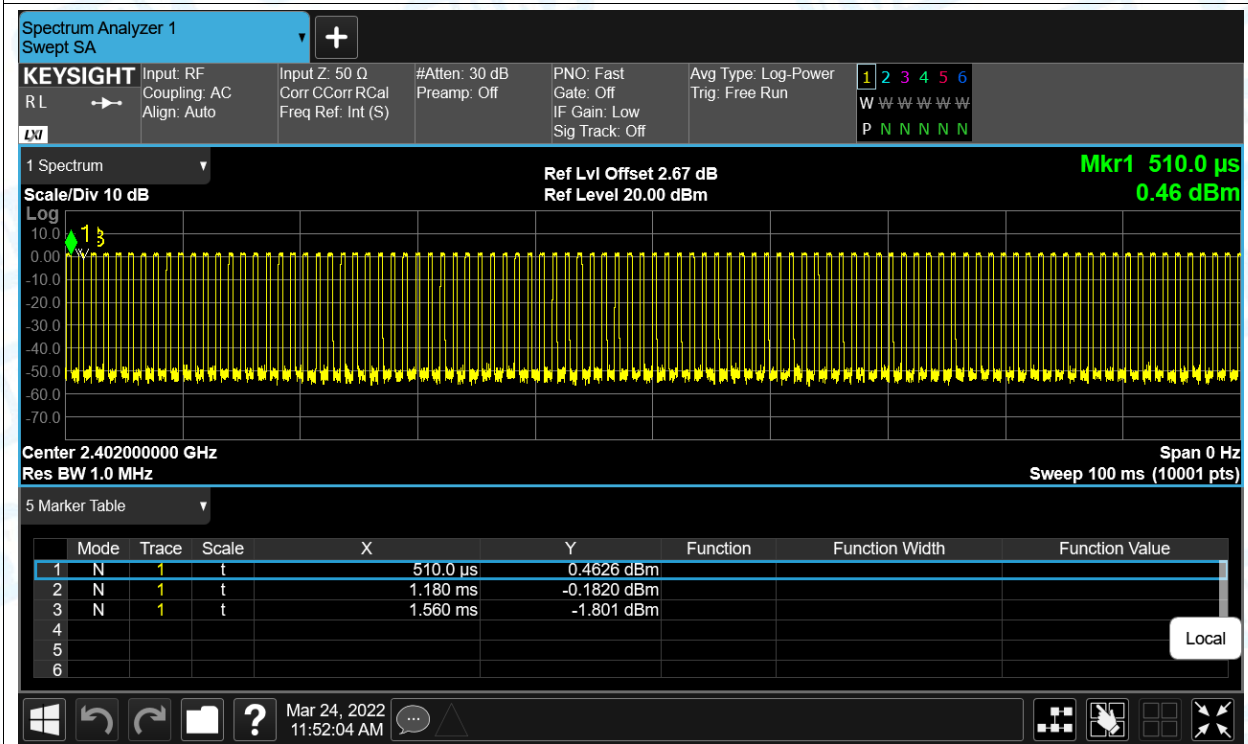
Duty Cycle NVNT 1-DH1 2441MHz Ant1



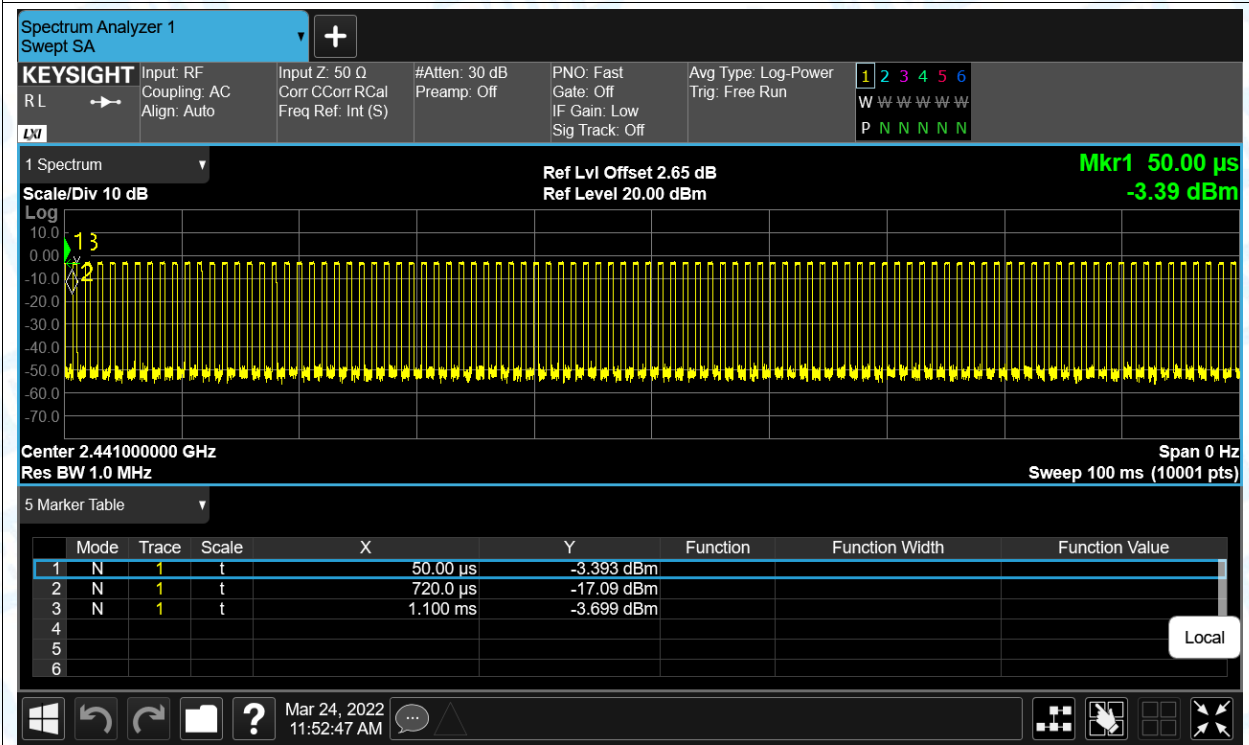
Duty Cycle NVNT 1-DH1 2480MHz Ant1



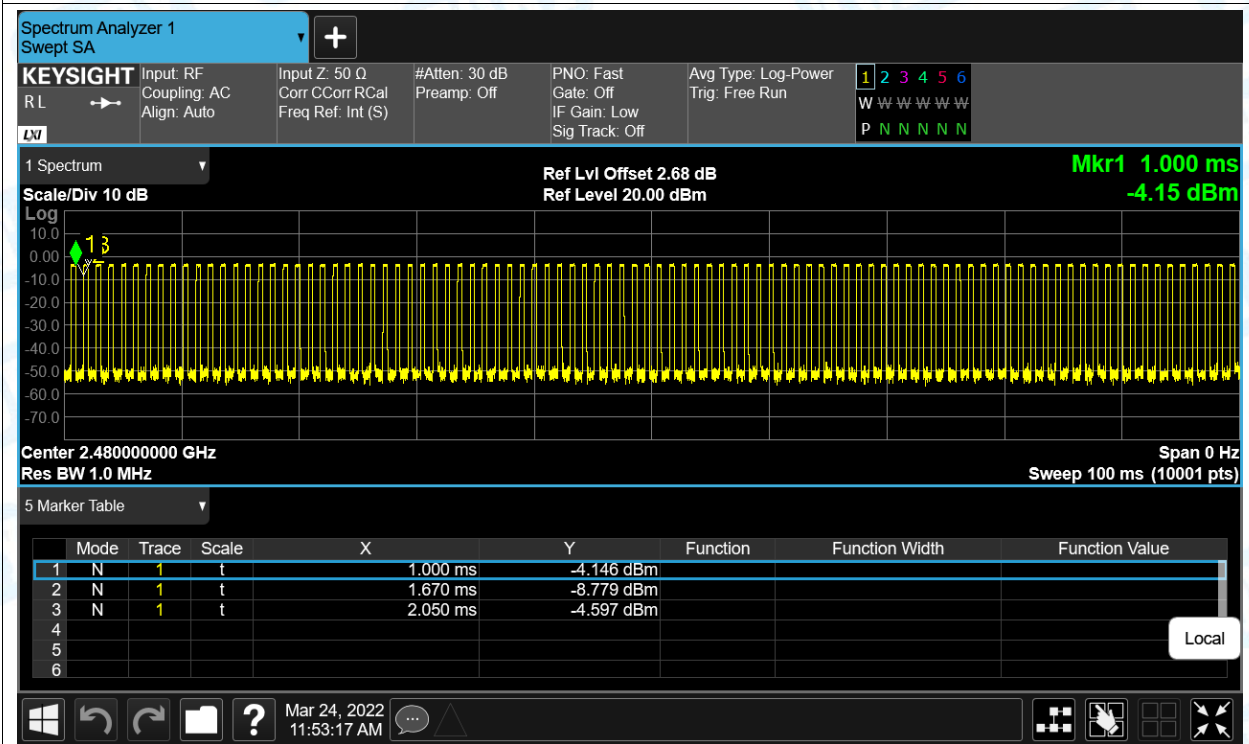
Duty Cycle NVNT 2-DH1 2402MHz Ant1



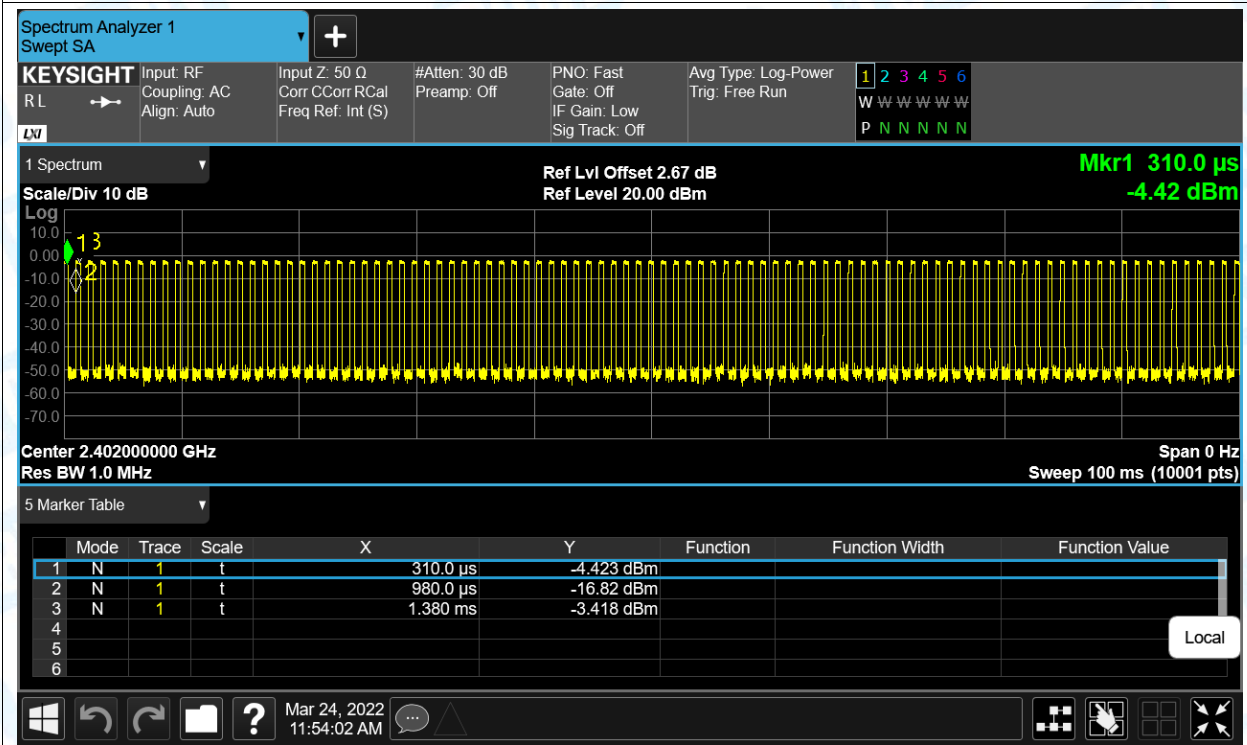
Duty Cycle NVNT 2-DH1 2441MHz Ant1



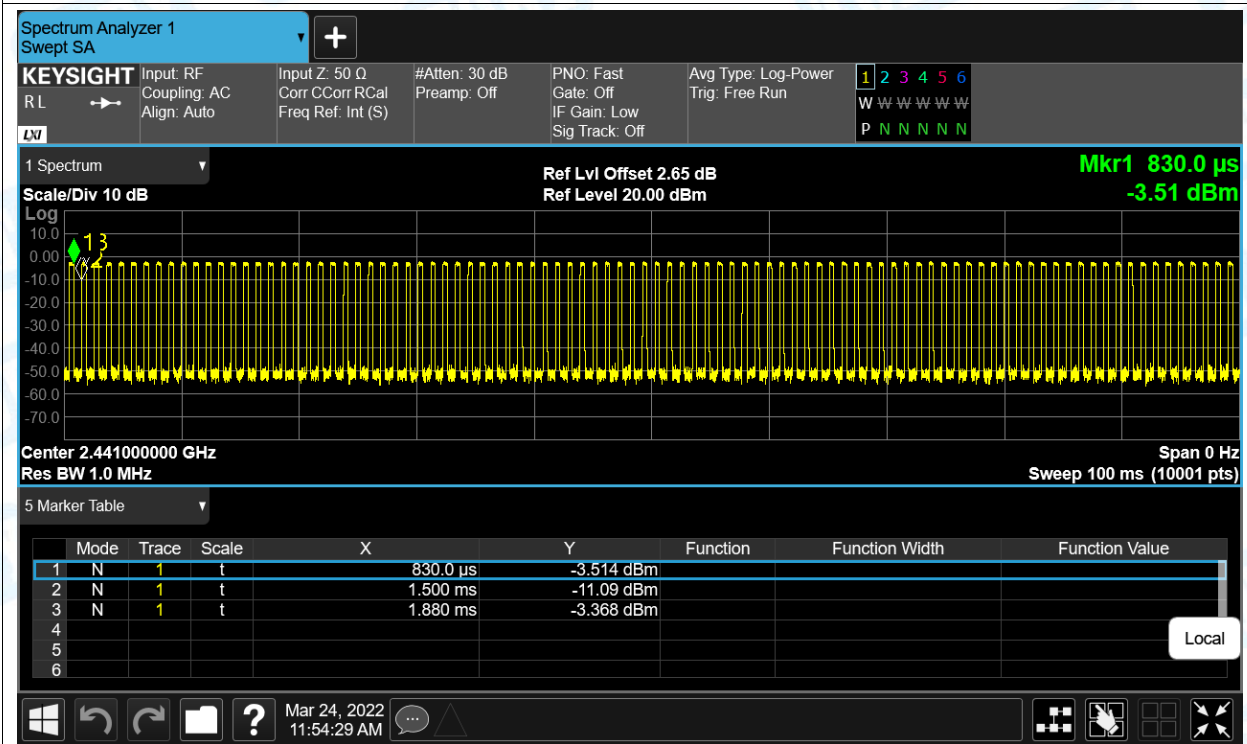
Duty Cycle NVNT 2-DH1 2480MHz Ant1

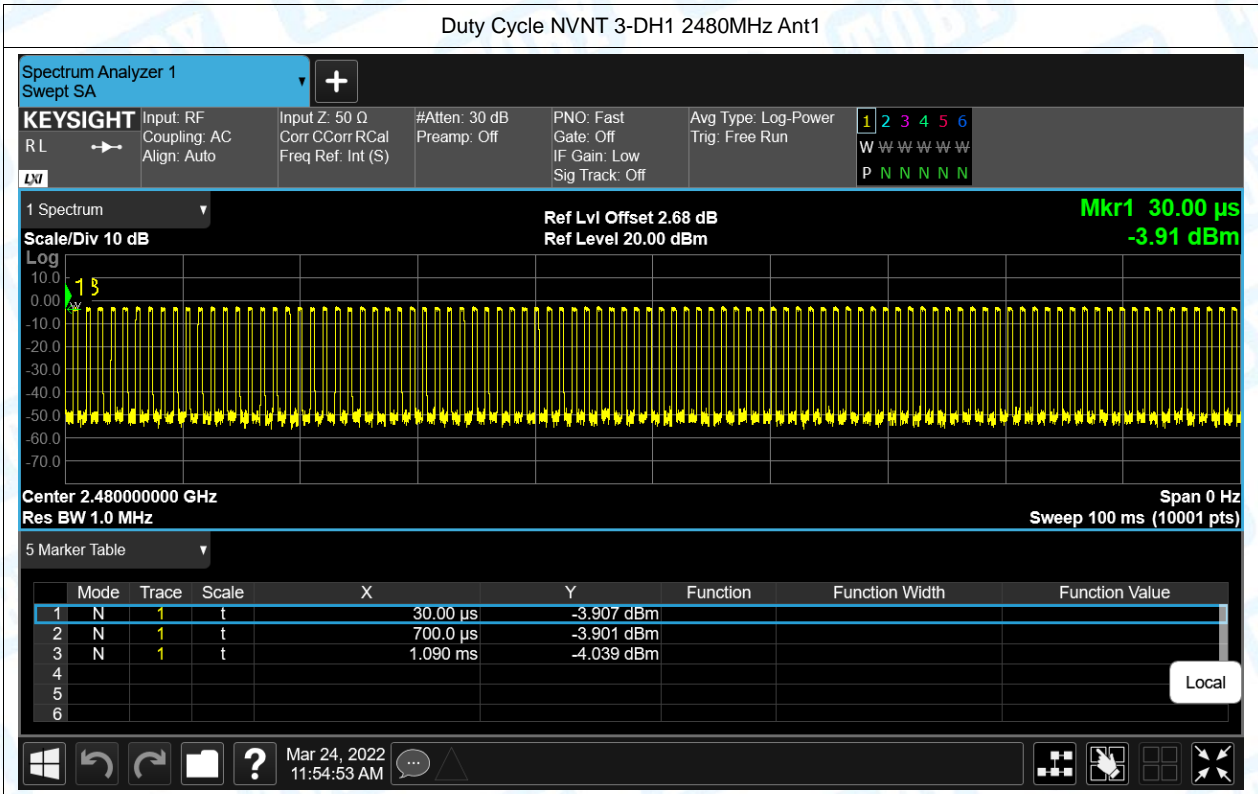


Duty Cycle NVNT 3-DH1 2402MHz Ant1



Duty Cycle NVNT 3-DH1 2441MHz Ant1



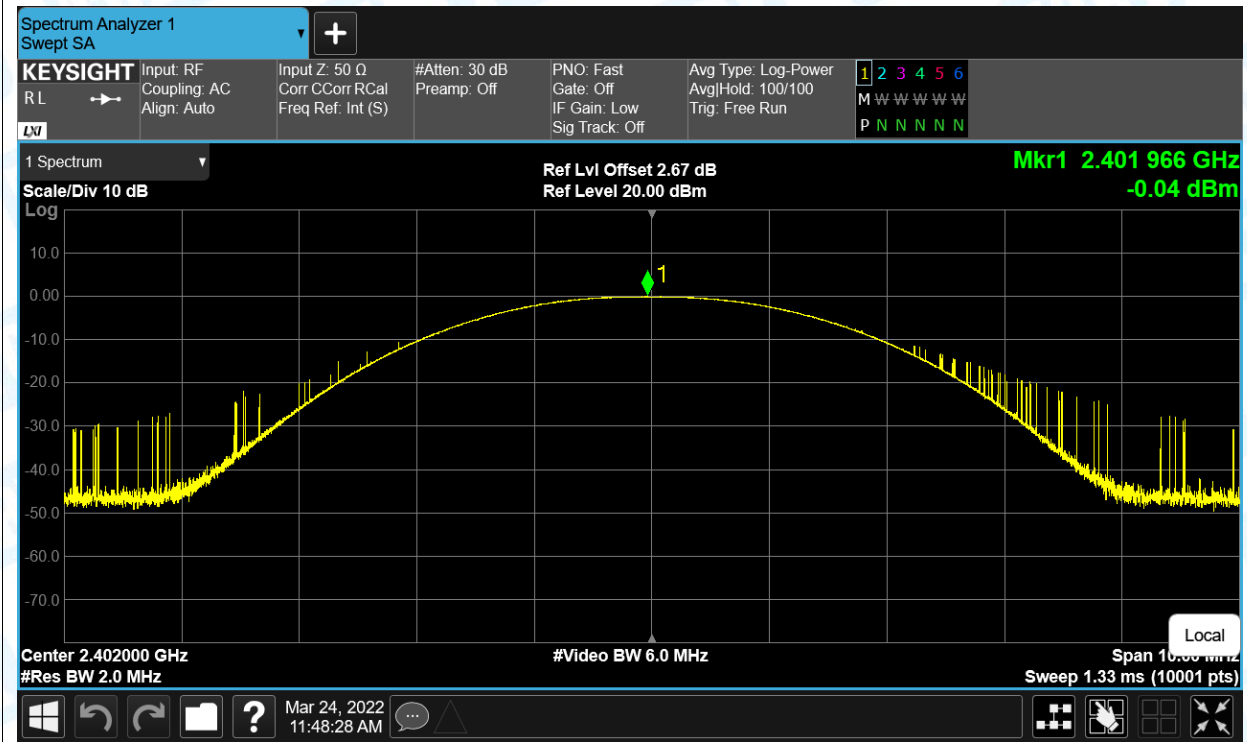


2. Maximum Conducted Output Power

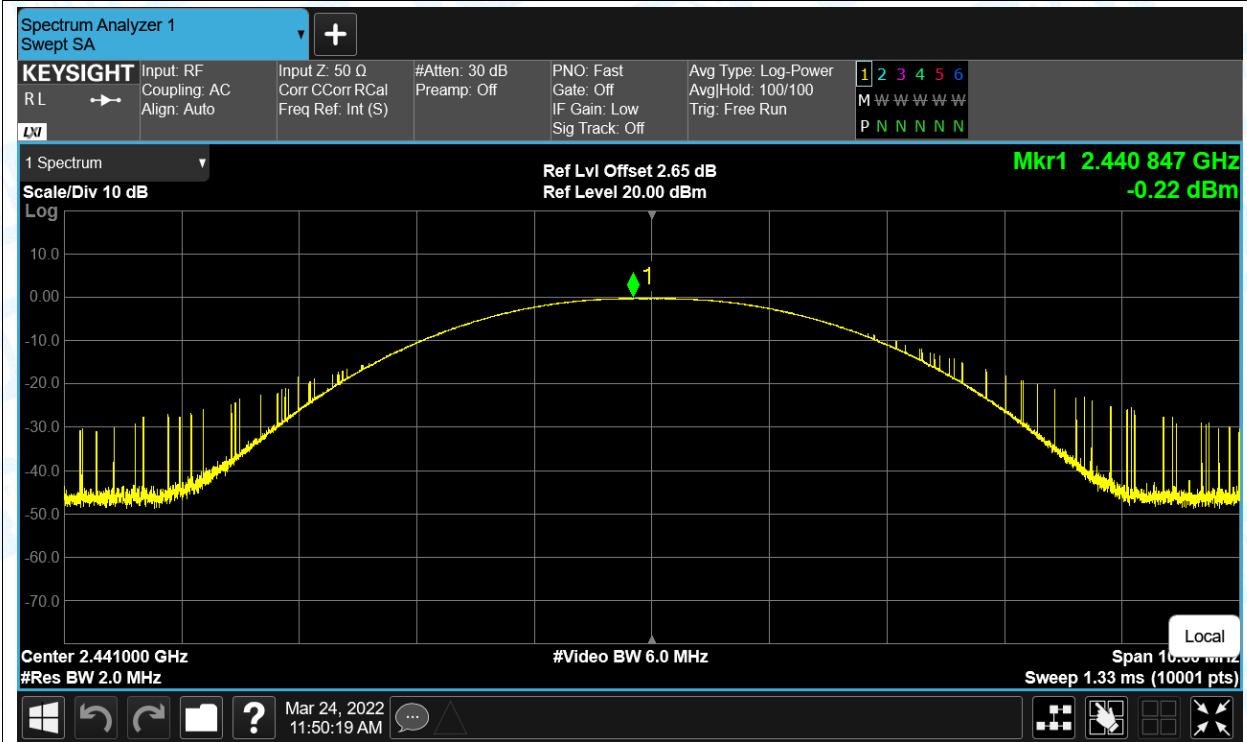
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	-0.043	21	Pass
NVNT	1-DH1	2441	Ant1	-0.216	21	Pass
NVNT	1-DH1	2480	Ant1	-0.711	21	Pass
NVNT	2-DH1	2402	Ant1	-2.014	21	Pass
NVNT	2-DH1	2441	Ant1	-2.185	21	Pass
NVNT	2-DH1	2480	Ant1	-2.651	21	Pass
NVNT	3-DH1	2402	Ant1	-1.574	21	Pass
NVNT	3-DH1	2441	Ant1	-1.947	21	Pass
NVNT	3-DH1	2480	Ant1	-2.294	21	Pass

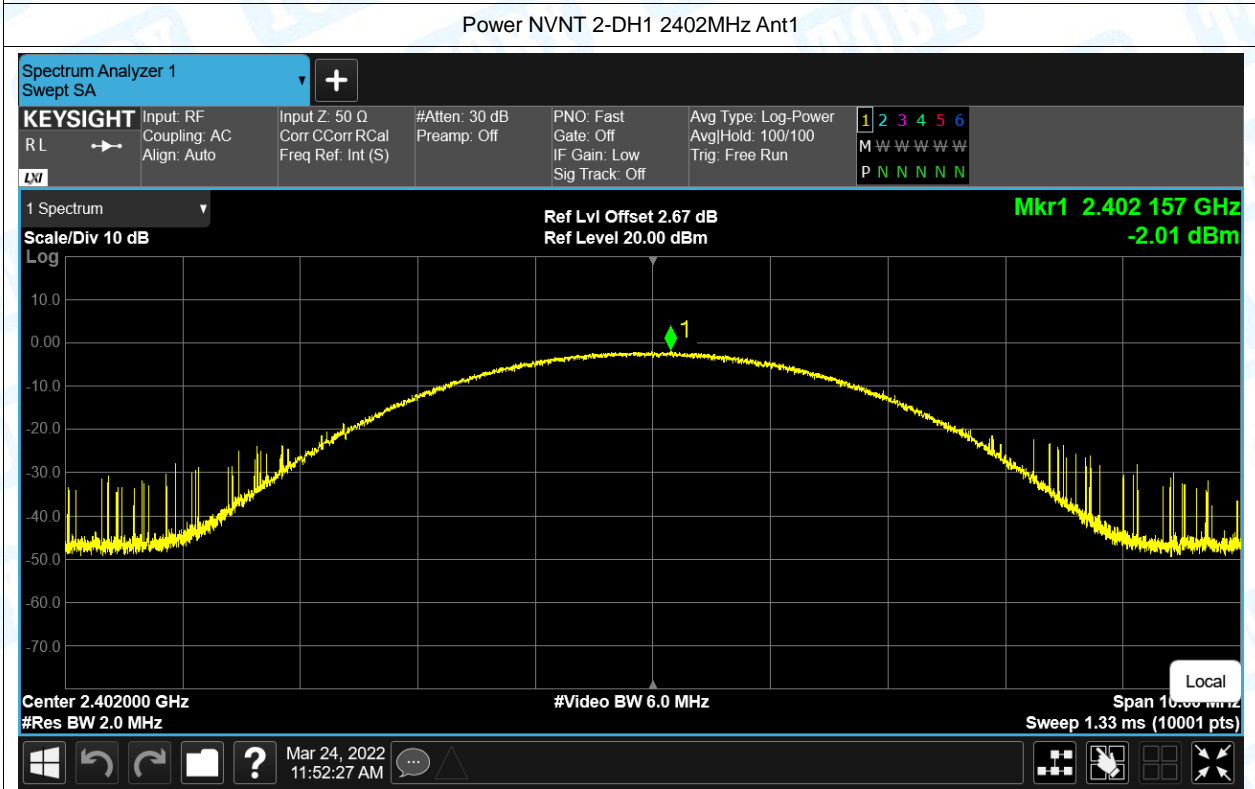
Test Graphs

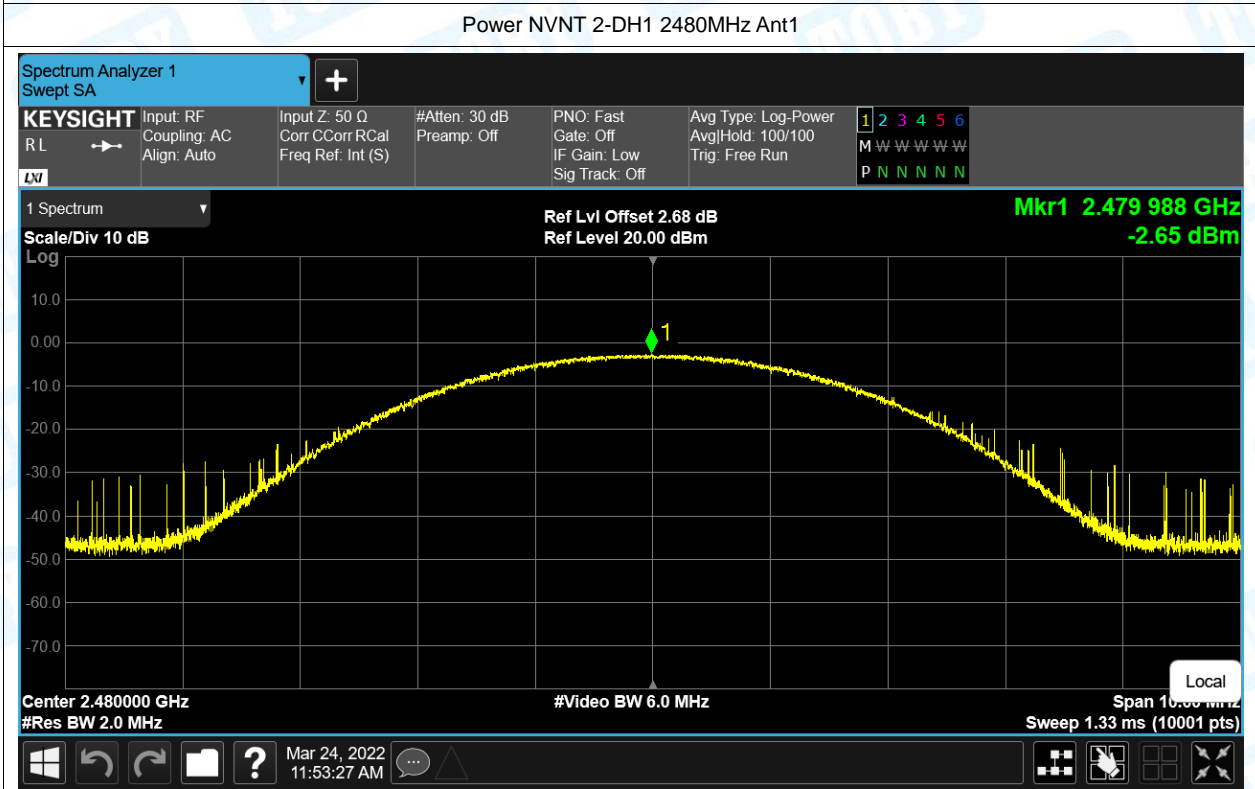
Power NVNT 1-DH1 2402MHz Ant1

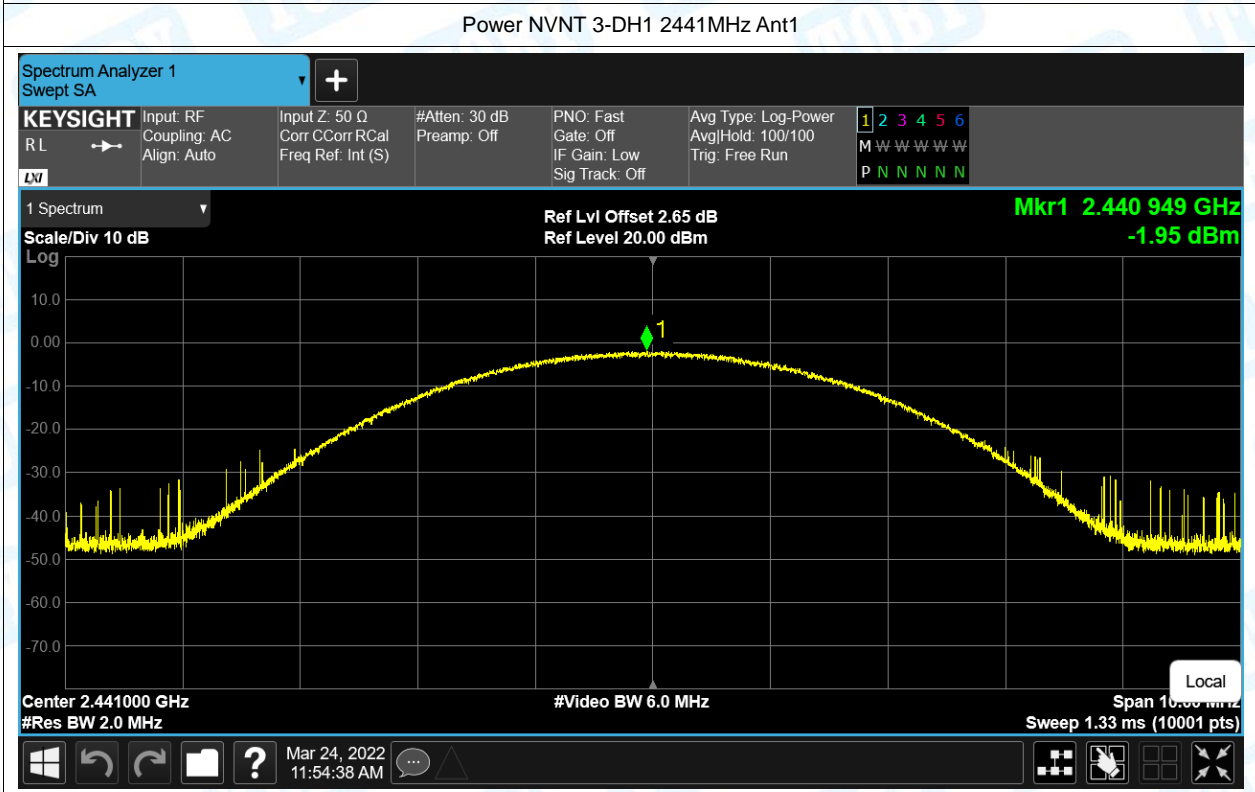


Power NVNT 1-DH1 2441MHz Ant1









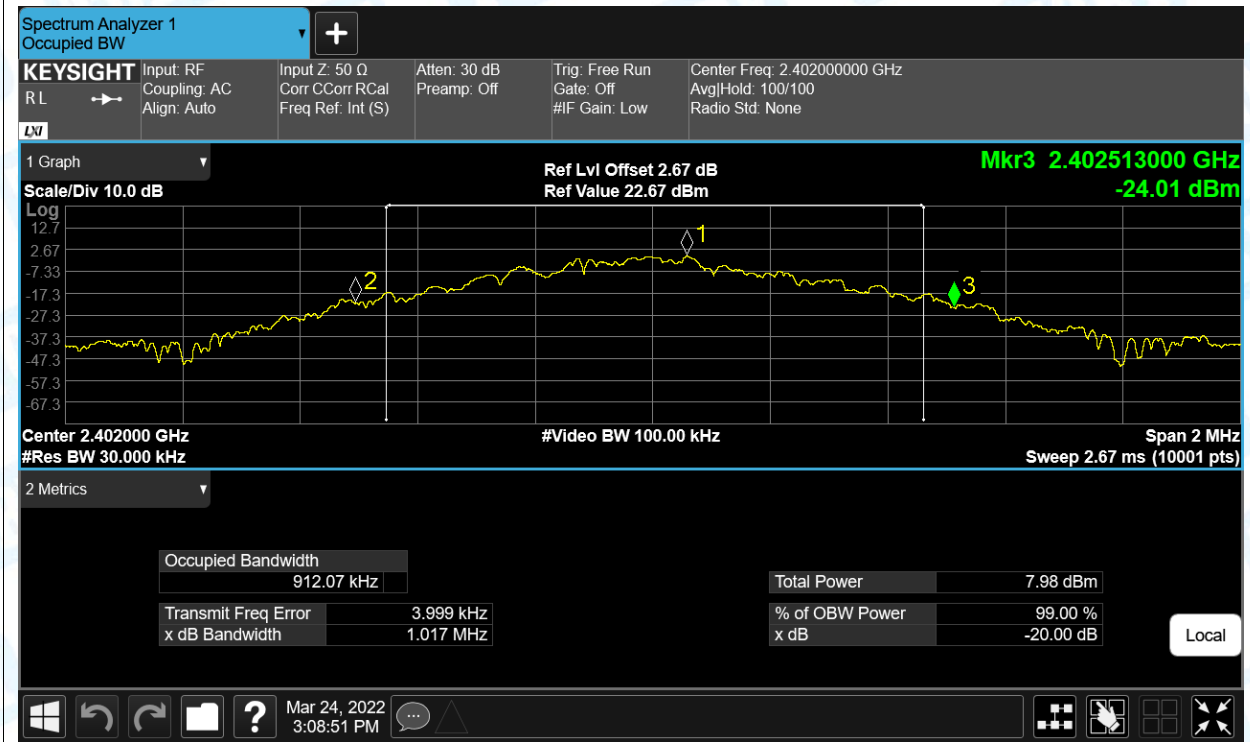


3. -20dB Bandwidth

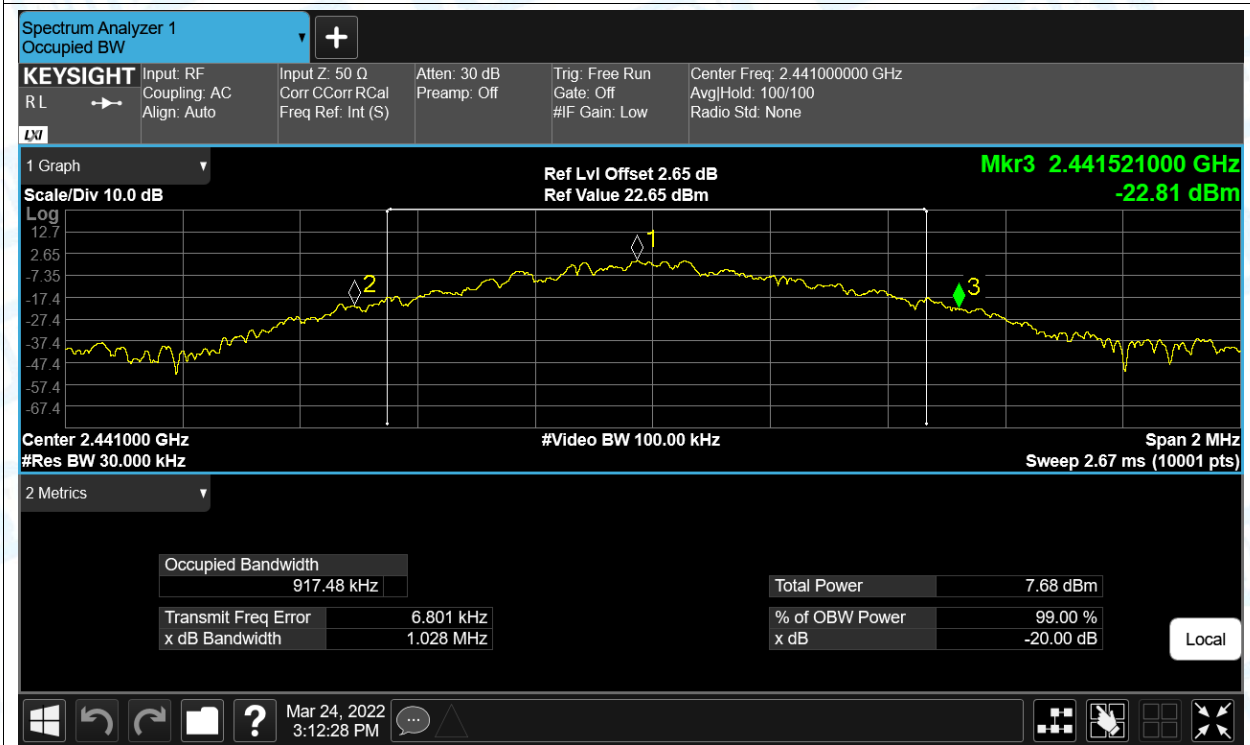
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	1.02	---	Pass
NVNT	1-DH1	2441	Ant1	1.03	---	Pass
NVNT	1-DH1	2480	Ant1	1.02	---	Pass
NVNT	2-DH1	2402	Ant1	1.33	---	Pass
NVNT	2-DH1	2441	Ant1	1.36	---	Pass
NVNT	2-DH1	2480	Ant1	1.35	---	Pass
NVNT	3-DH1	2402	Ant1	1.34	---	Pass
NVNT	3-DH1	2441	Ant1	1.34	---	Pass
NVNT	3-DH1	2480	Ant1	1.34	---	Pass

Test Graphs

-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



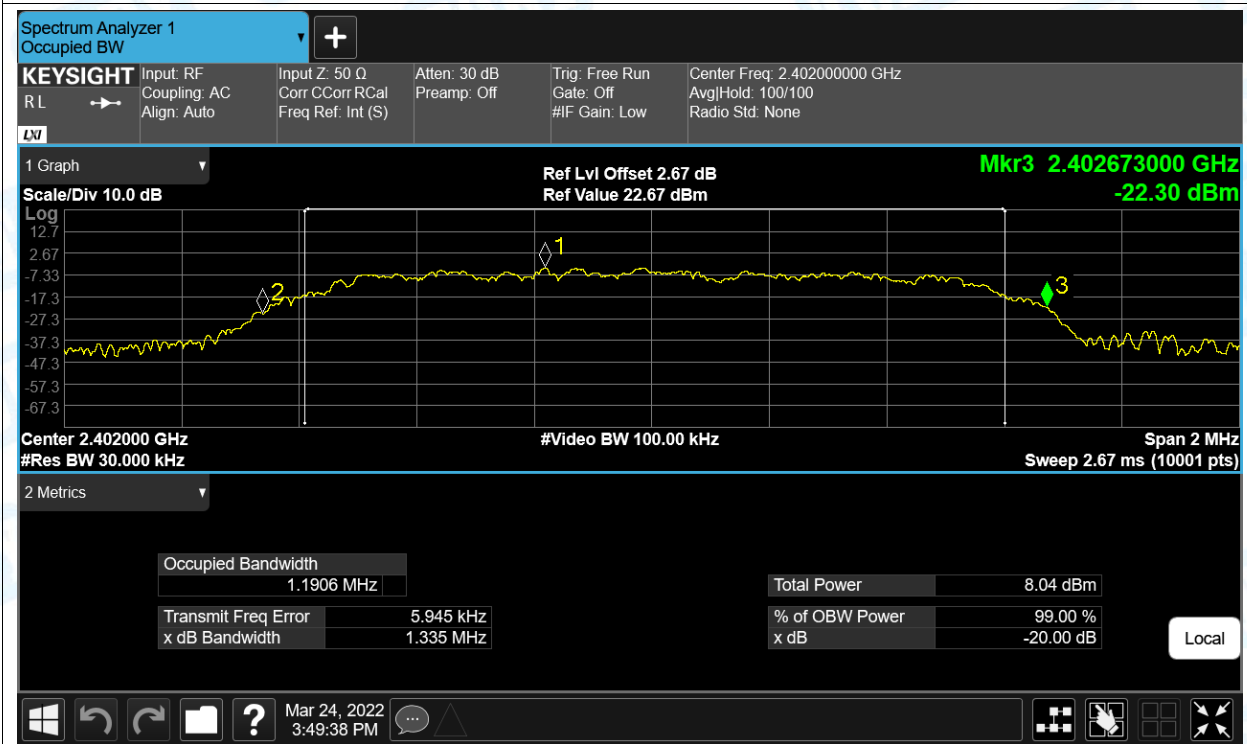
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1

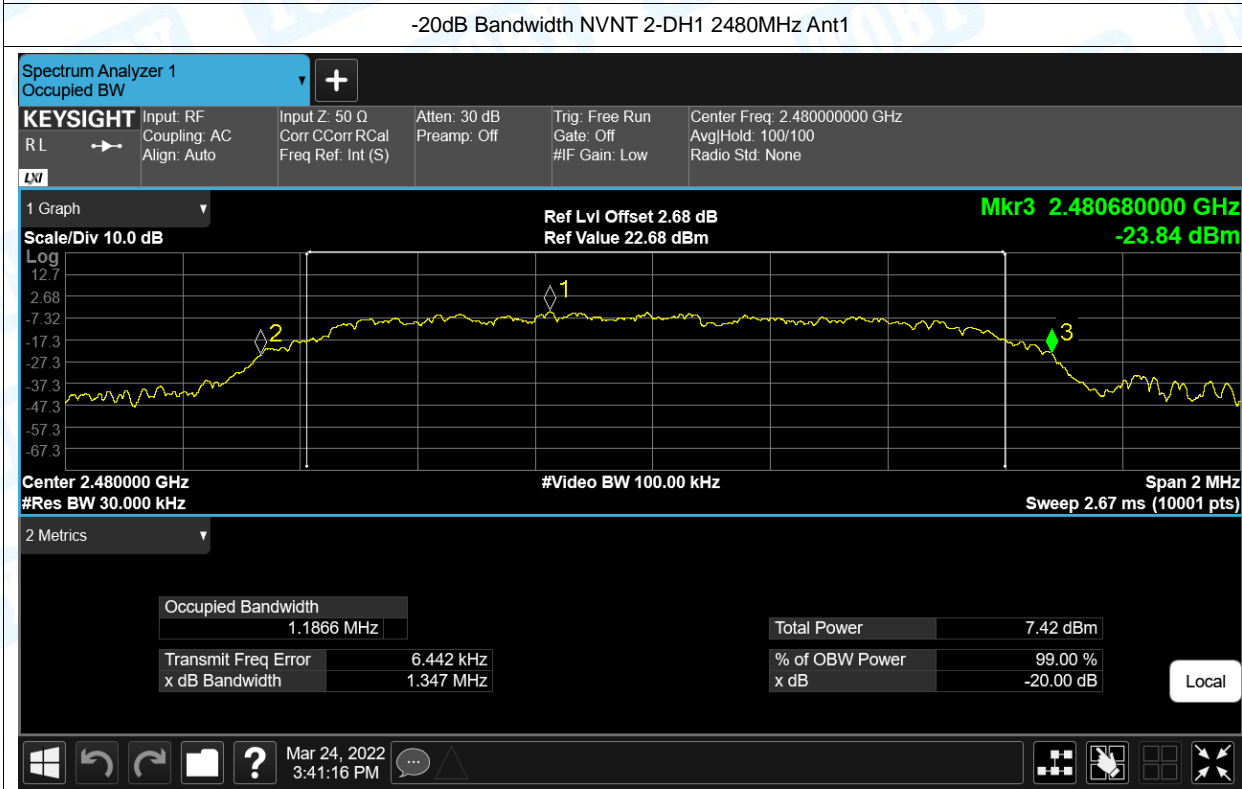
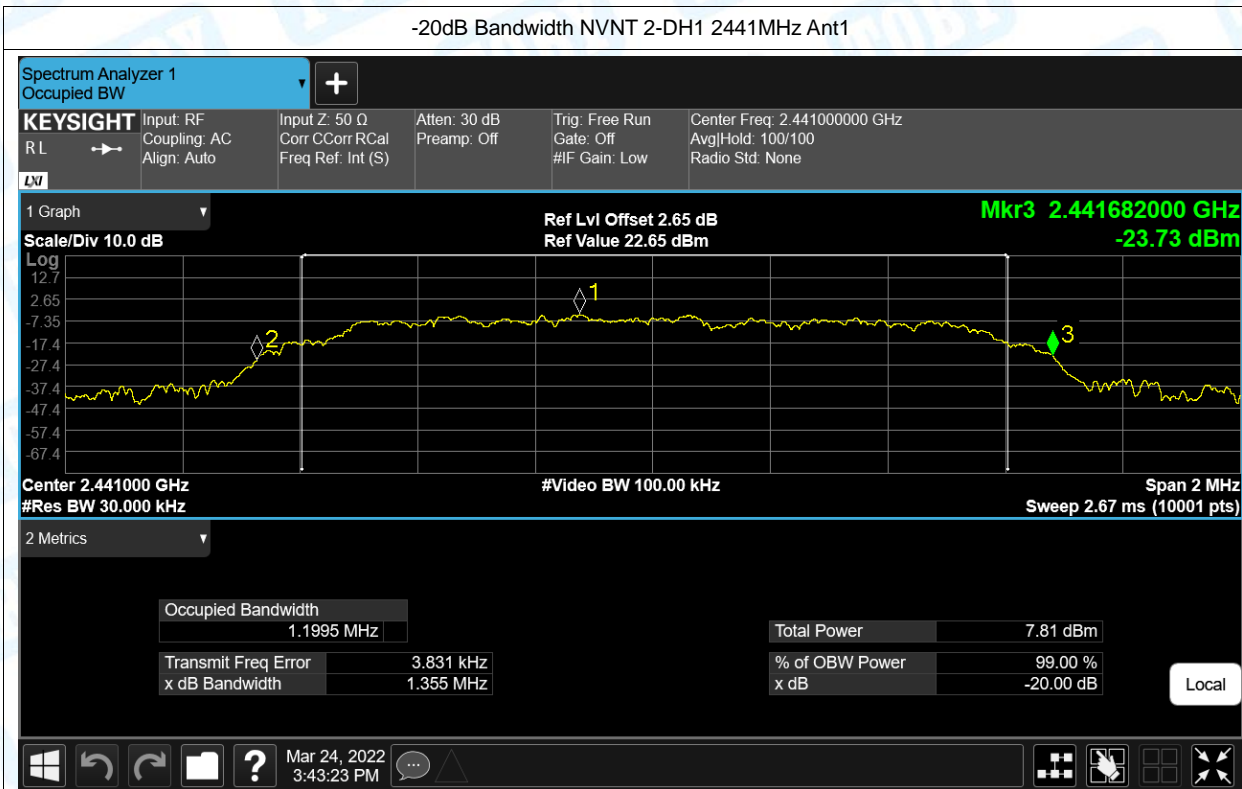


-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1

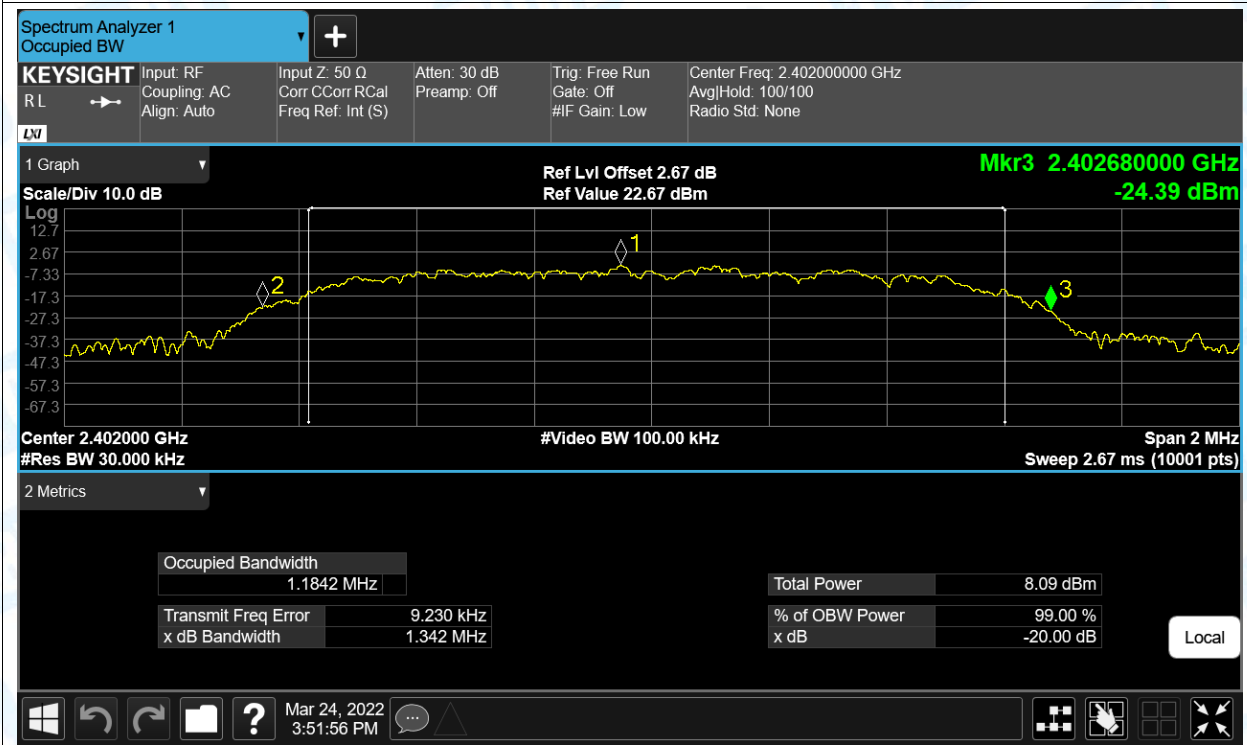


-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1

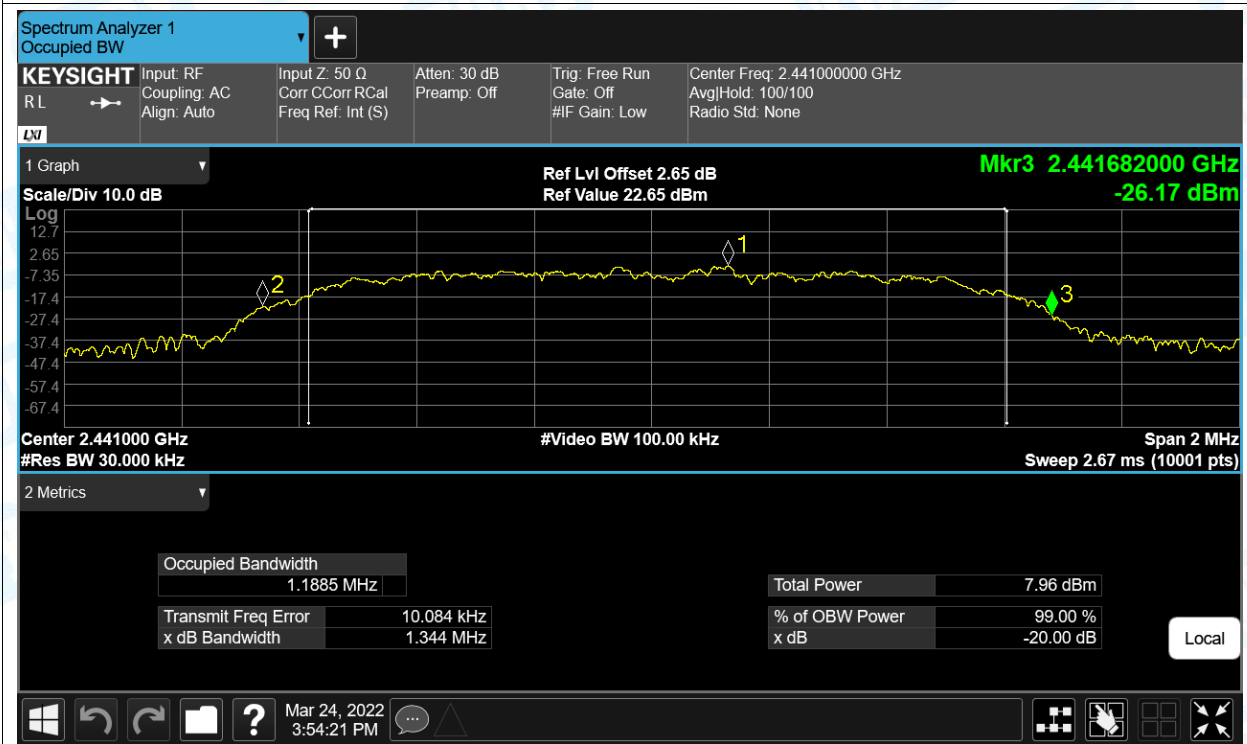


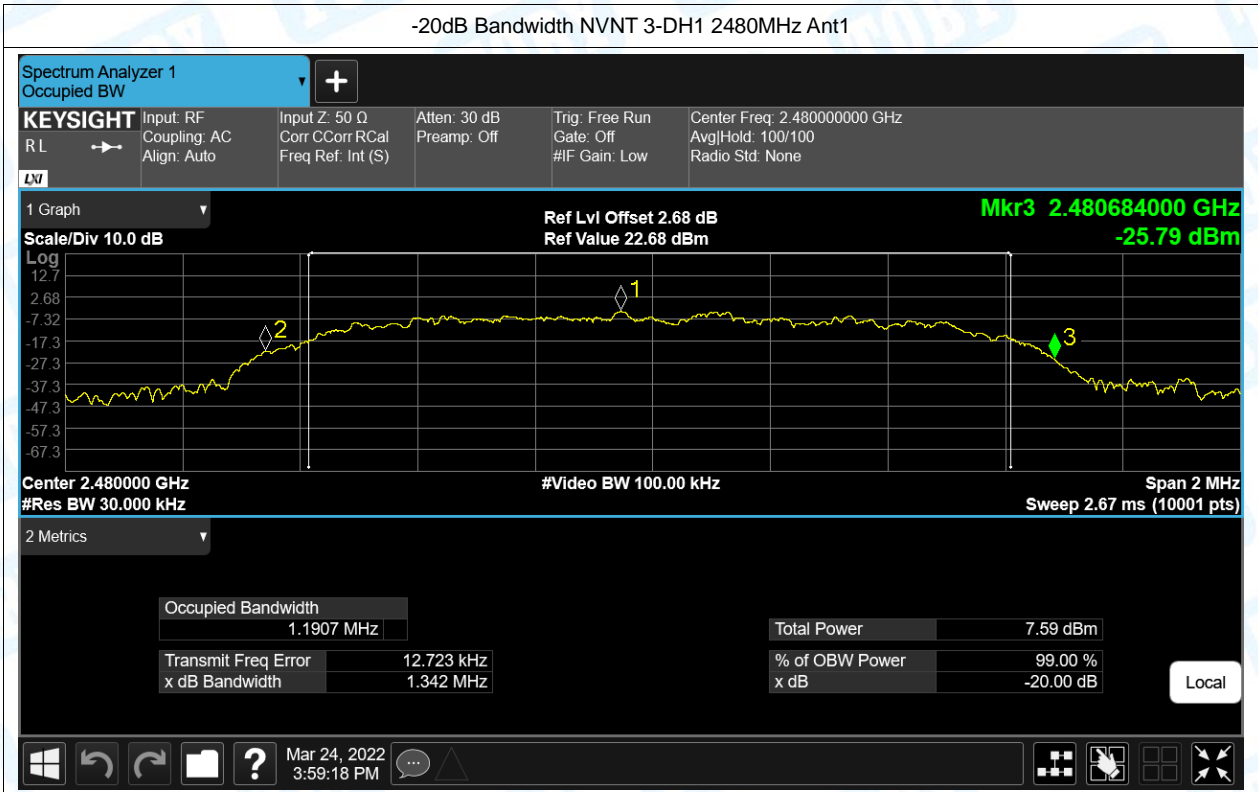


-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



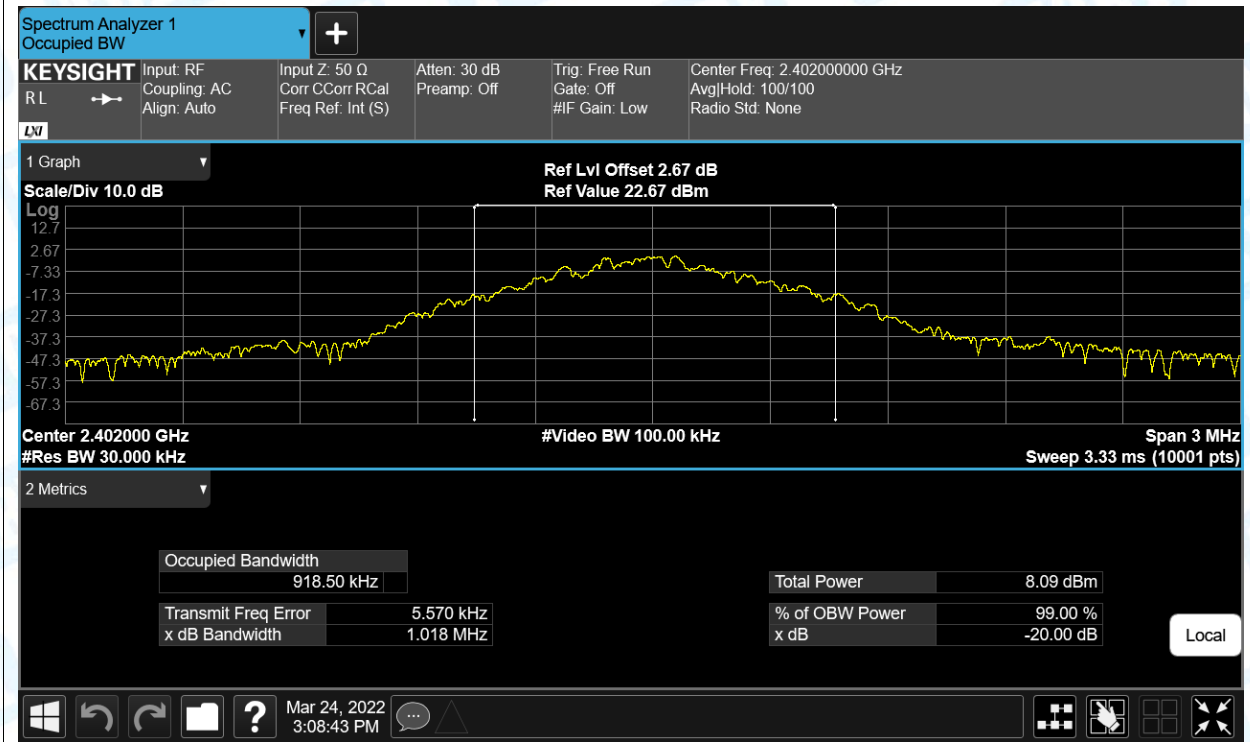


4. Occupied Channel Bandwidth

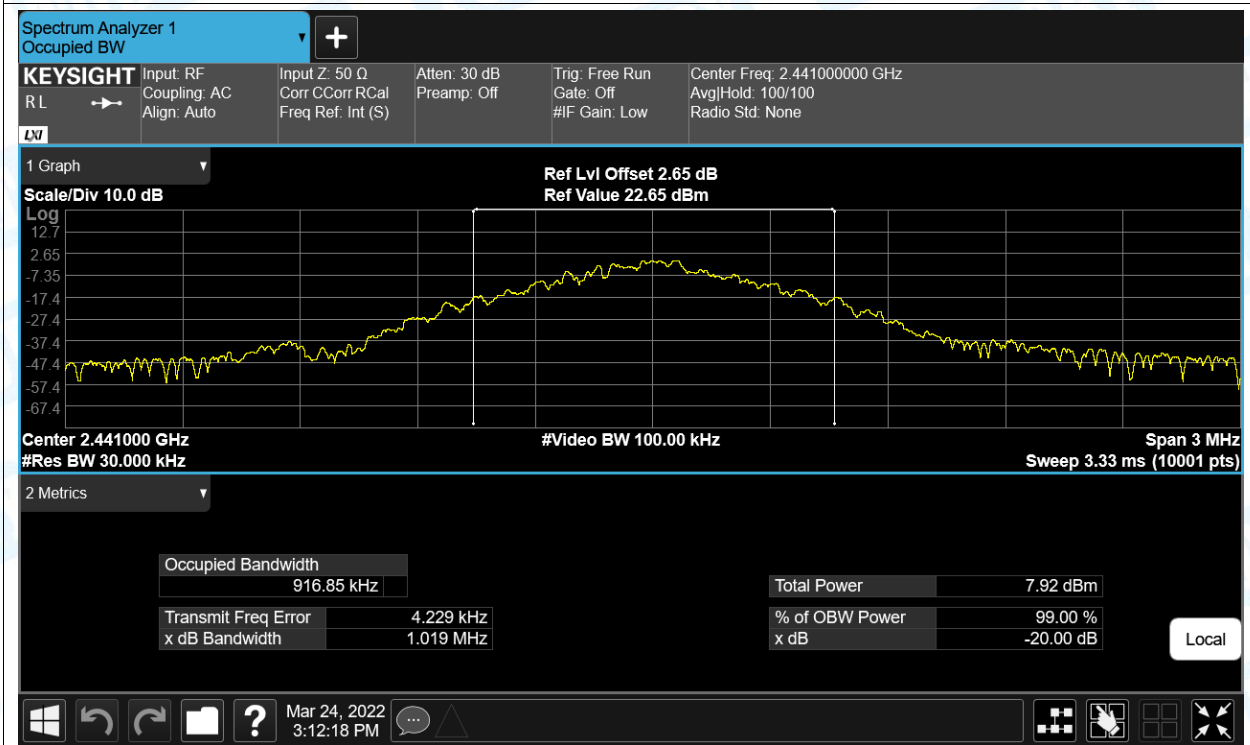
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.918
NVNT	1-DH1	2441	Ant1	0.917
NVNT	1-DH1	2480	Ant1	0.893
NVNT	2-DH1	2402	Ant1	1.188
NVNT	2-DH1	2441	Ant1	1.194
NVNT	2-DH1	2480	Ant1	1.184
NVNT	3-DH1	2402	Ant1	1.181
NVNT	3-DH1	2441	Ant1	1.189
NVNT	3-DH1	2480	Ant1	1.187

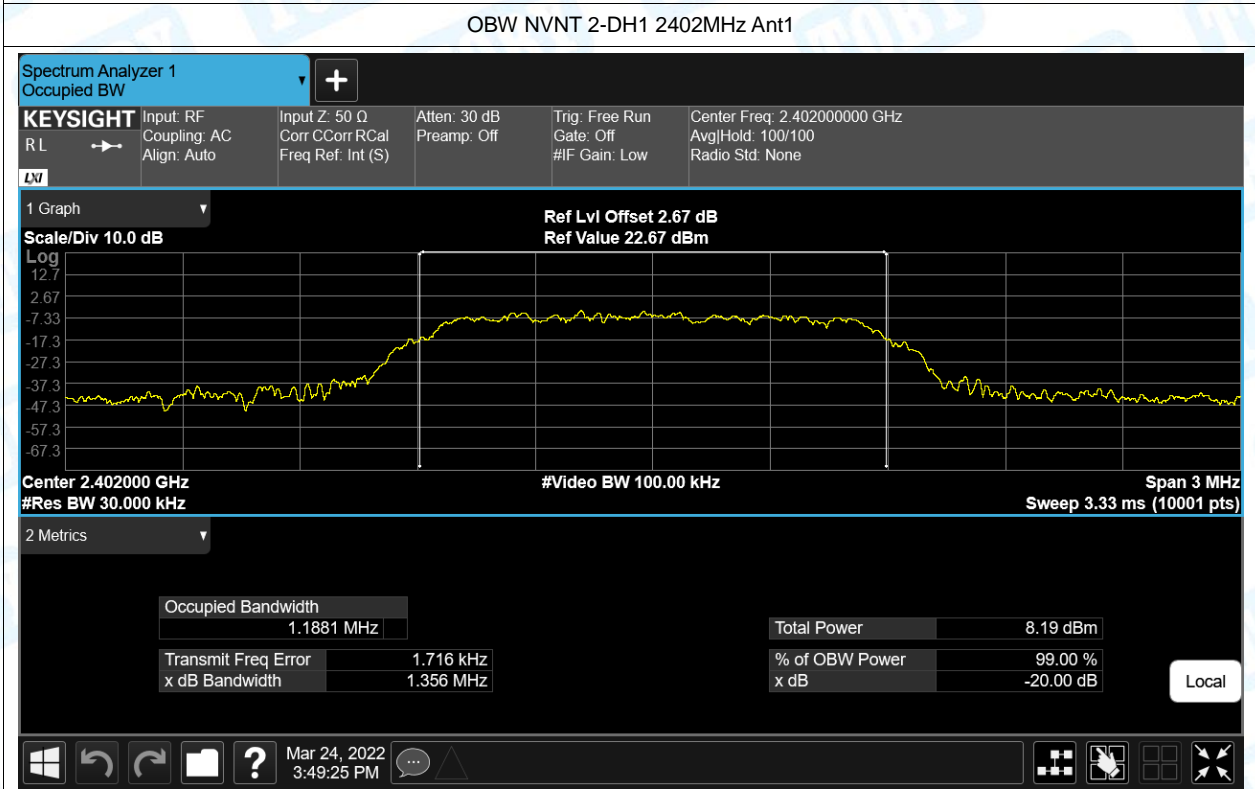
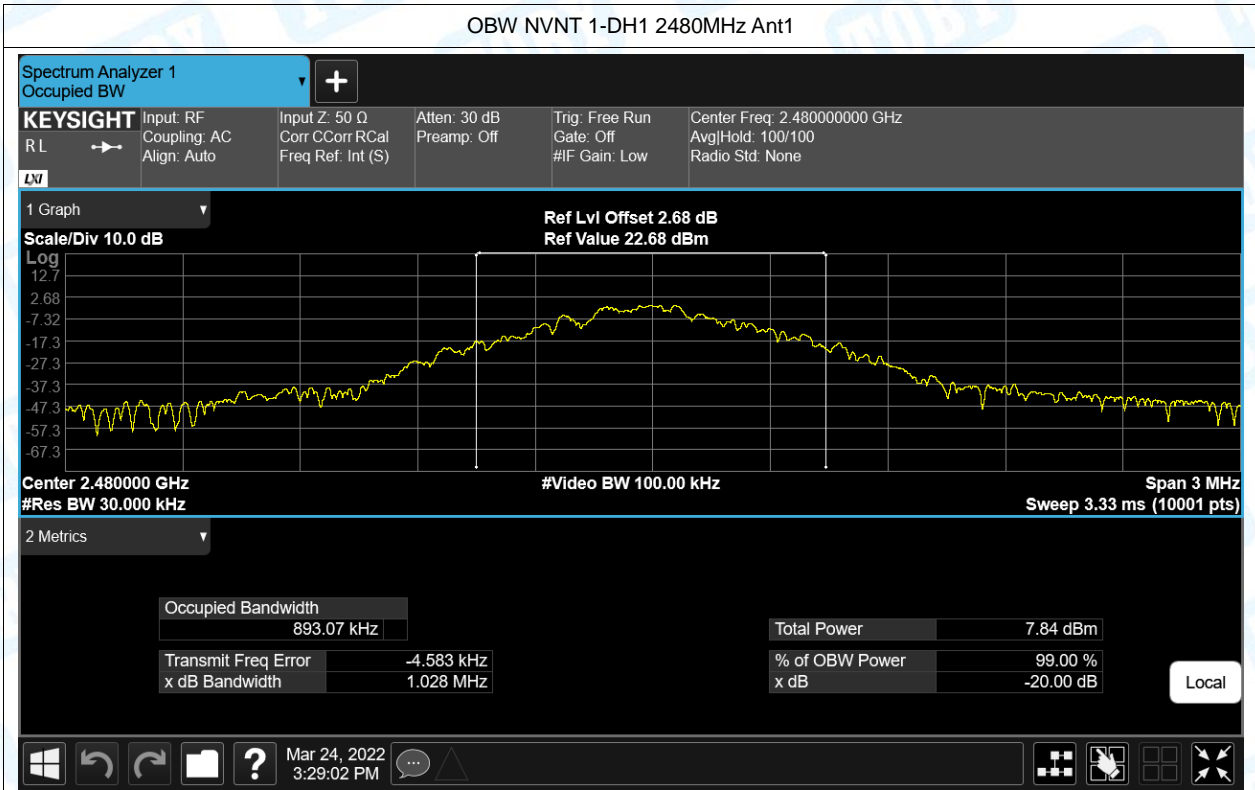
Test Graphs

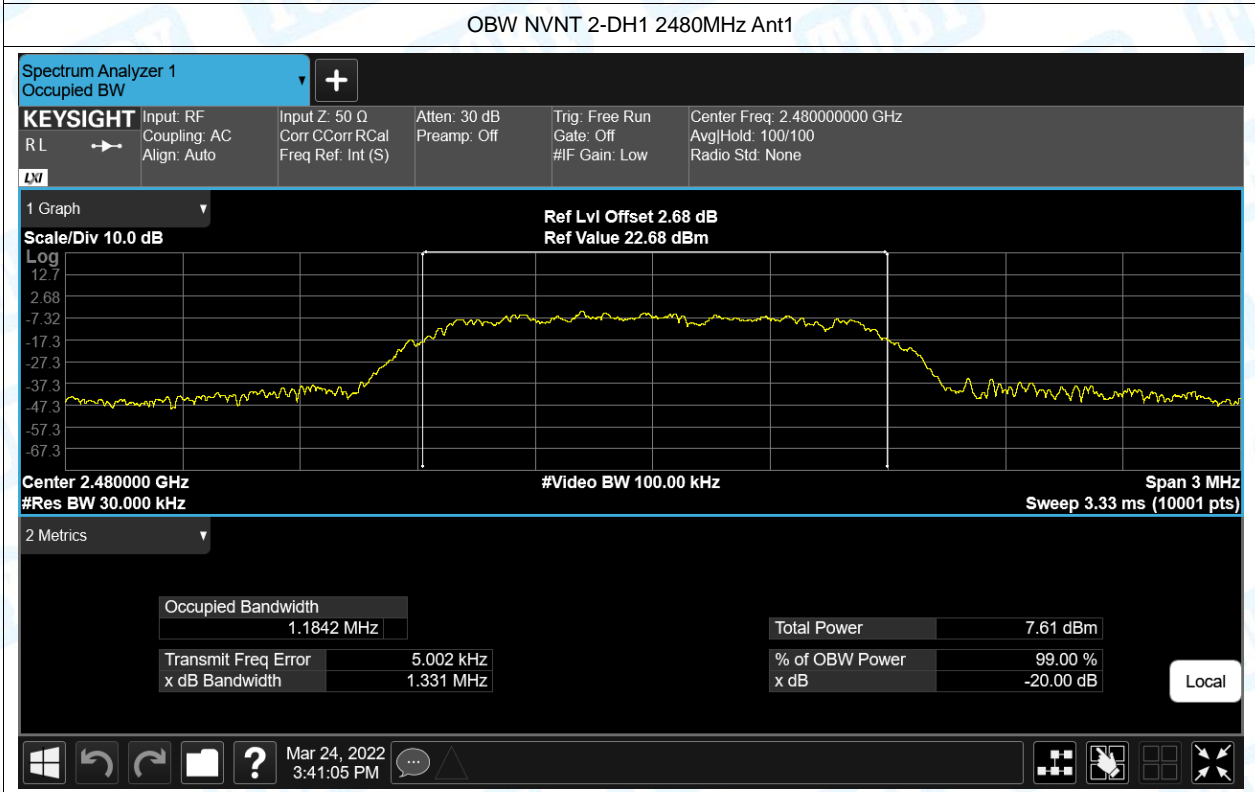
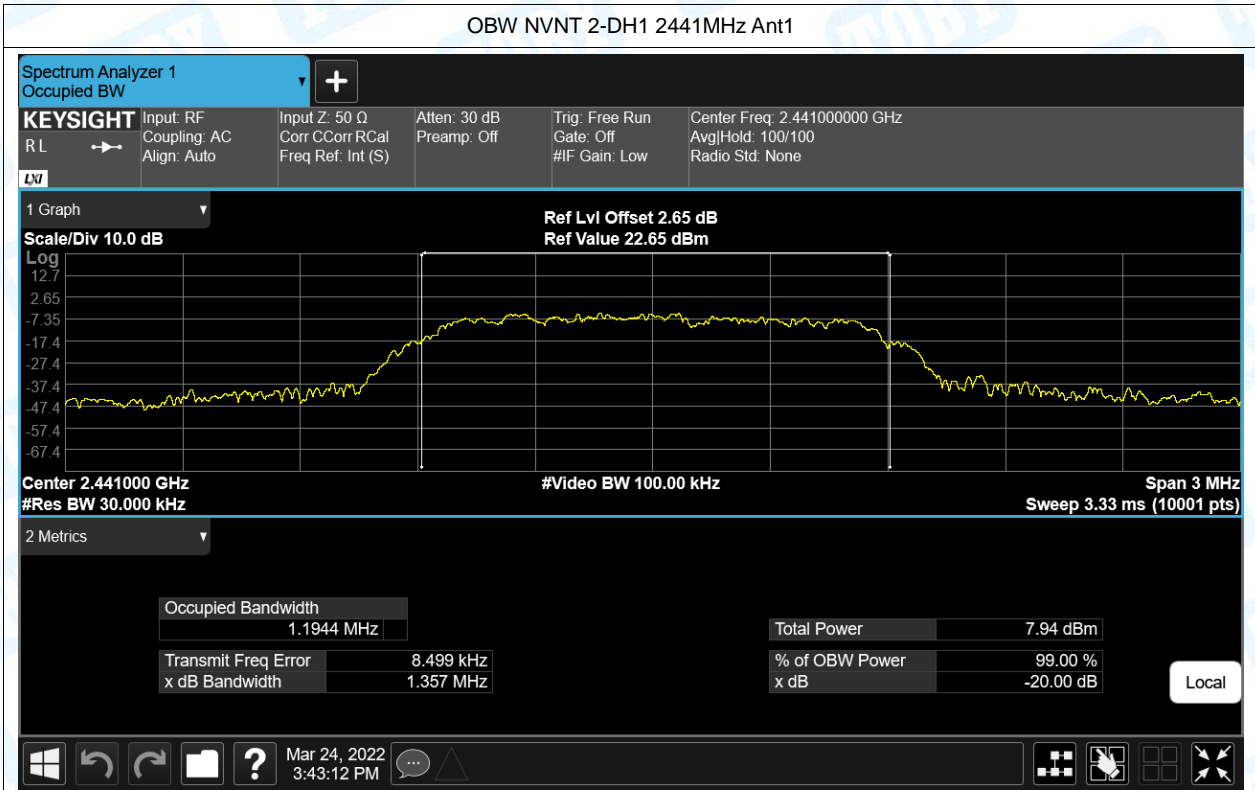
OBW NVNT 1-DH1 2402MHz Ant1

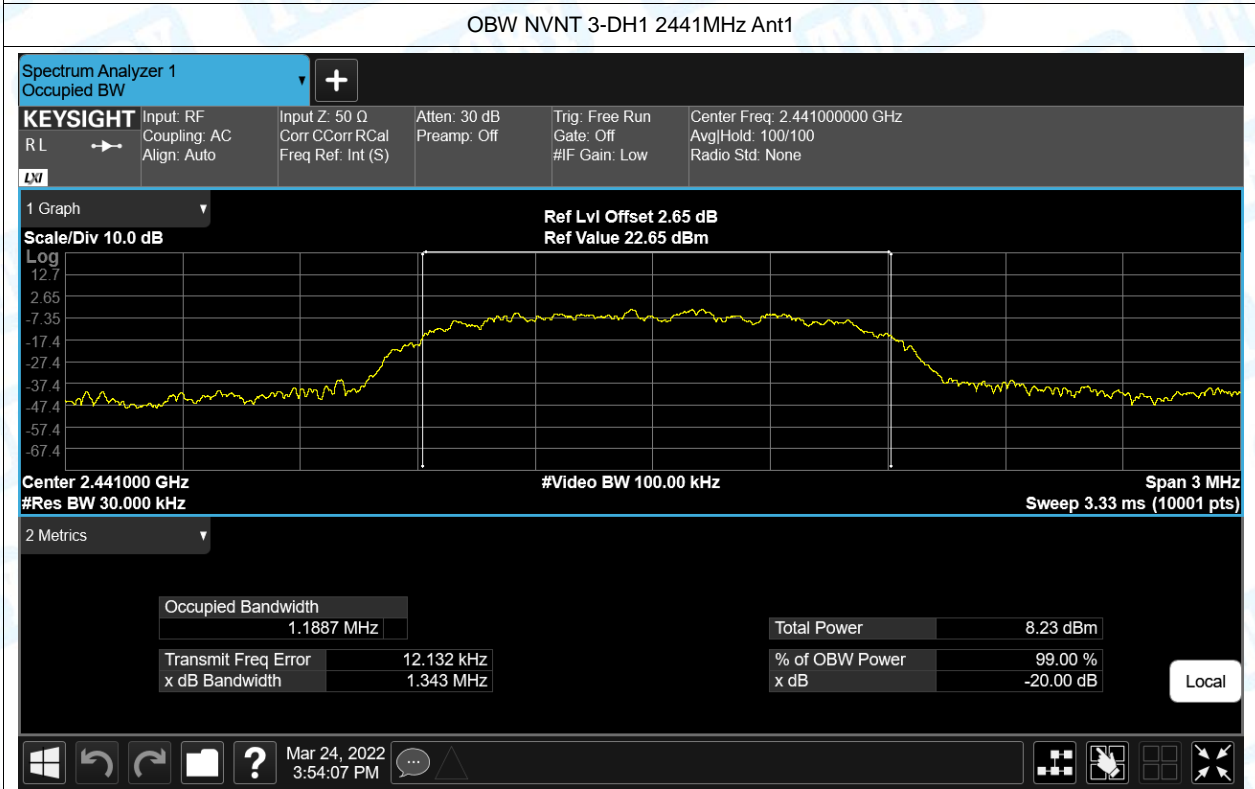
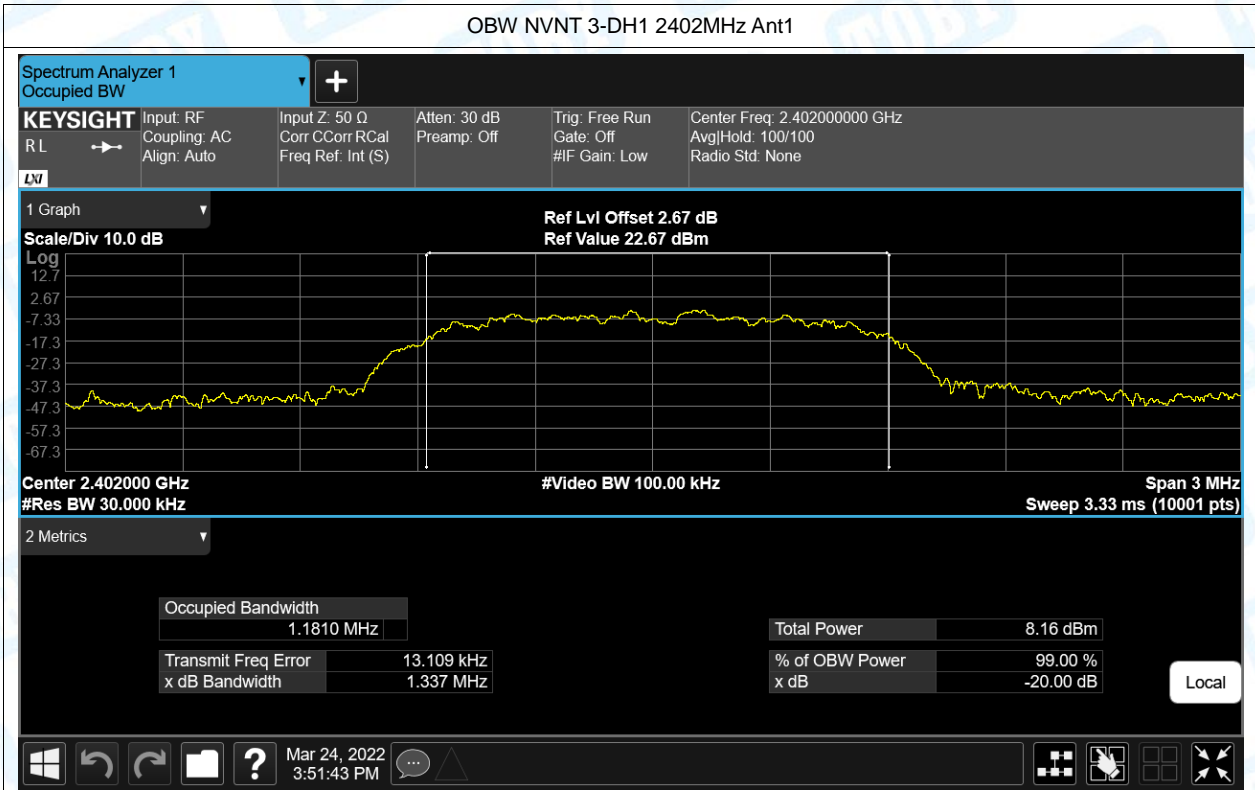


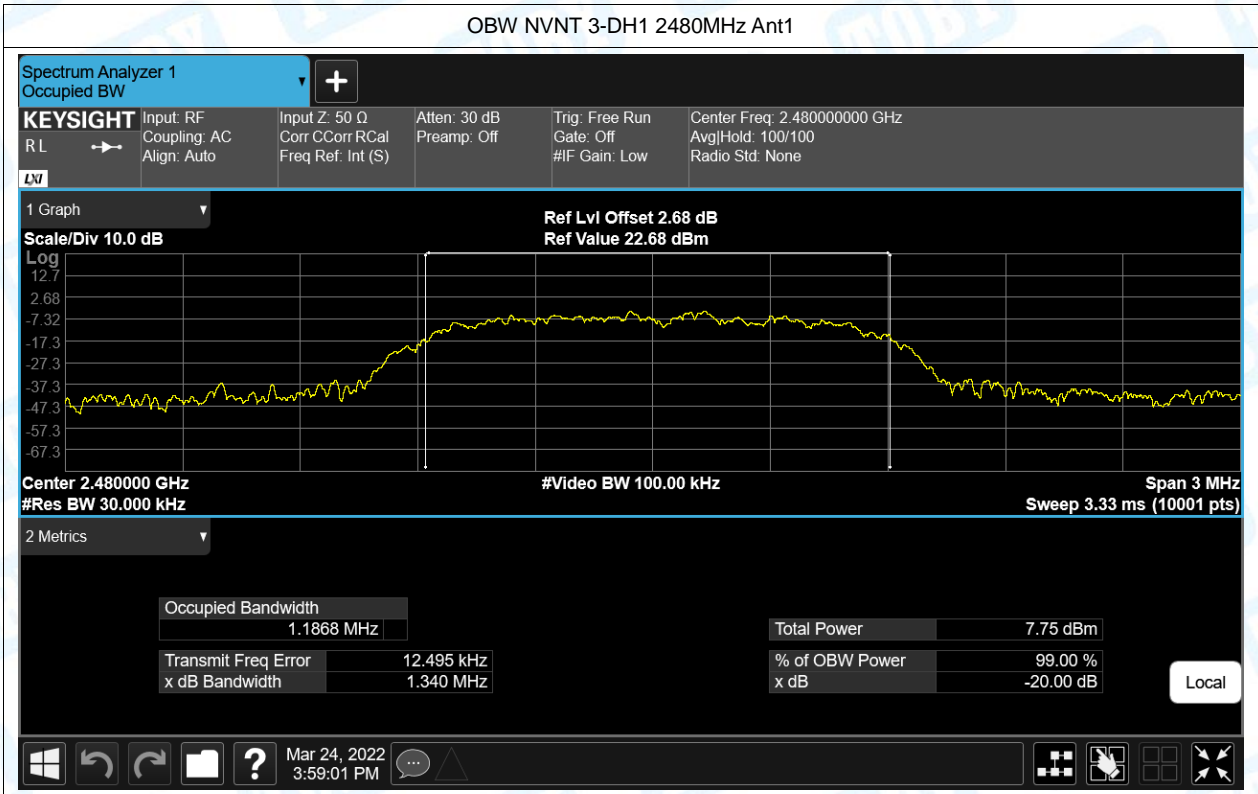
OBW NVNT 1-DH1 2441MHz Ant1









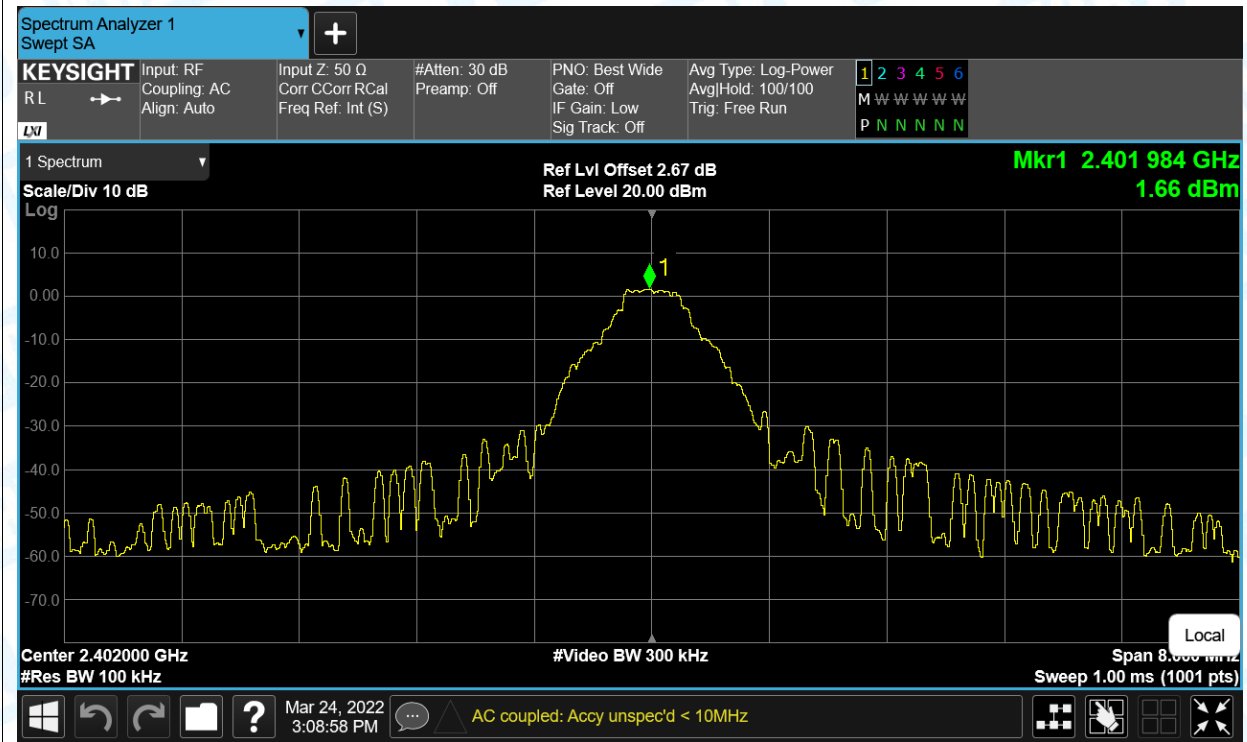


5. Band Edge

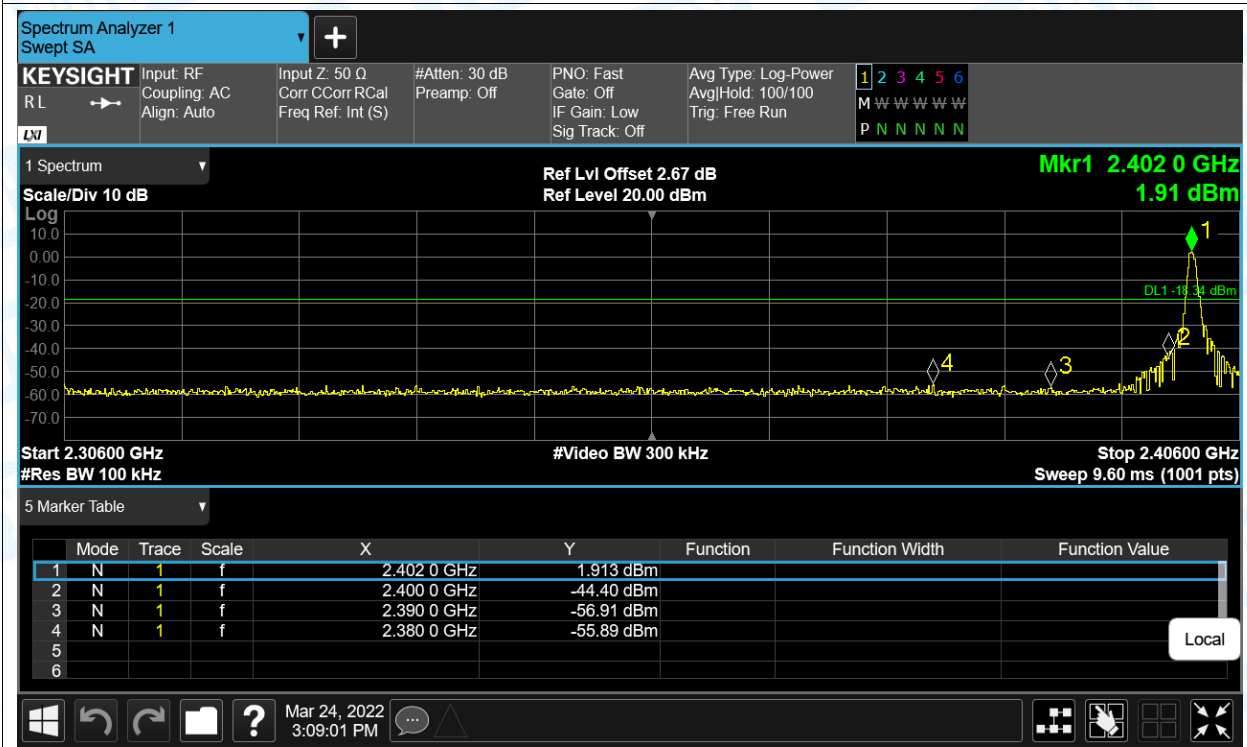
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-57.55	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-49.26	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-56.21	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-51.89	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-56.06	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-47.89	-20	Pass

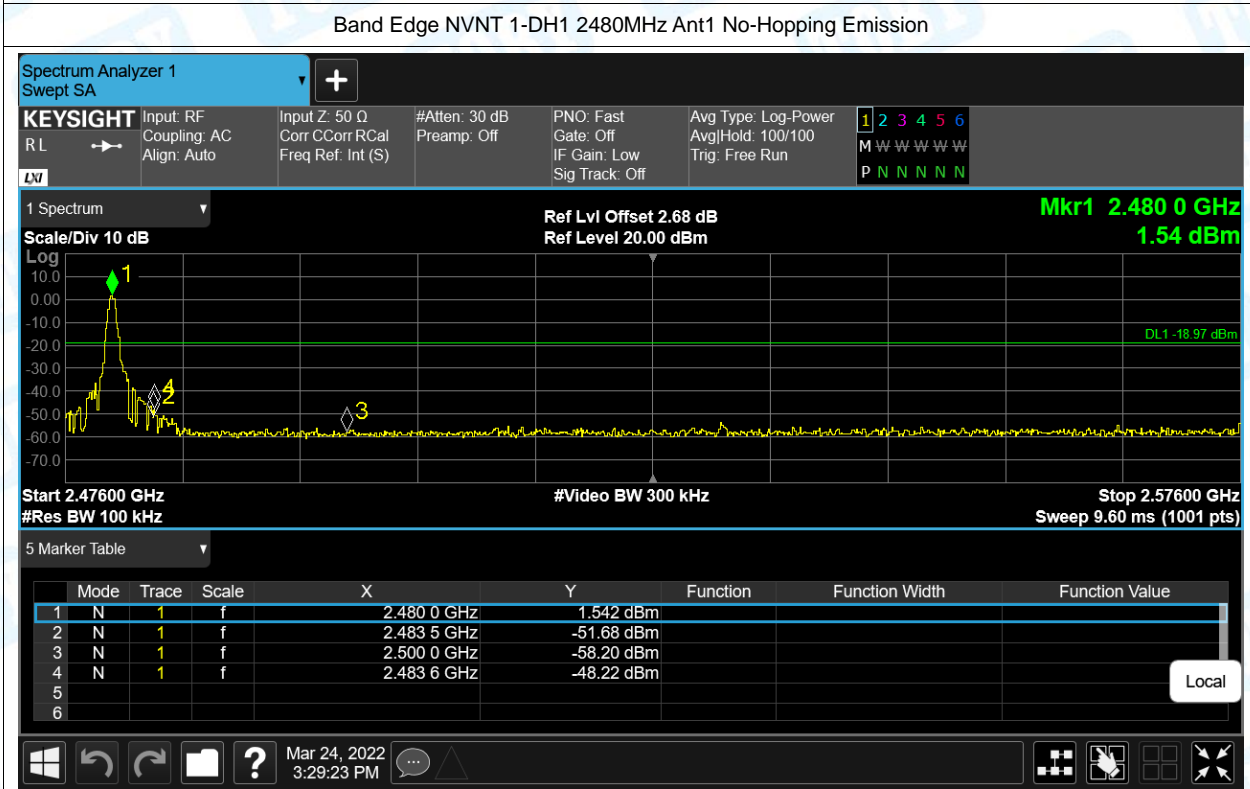
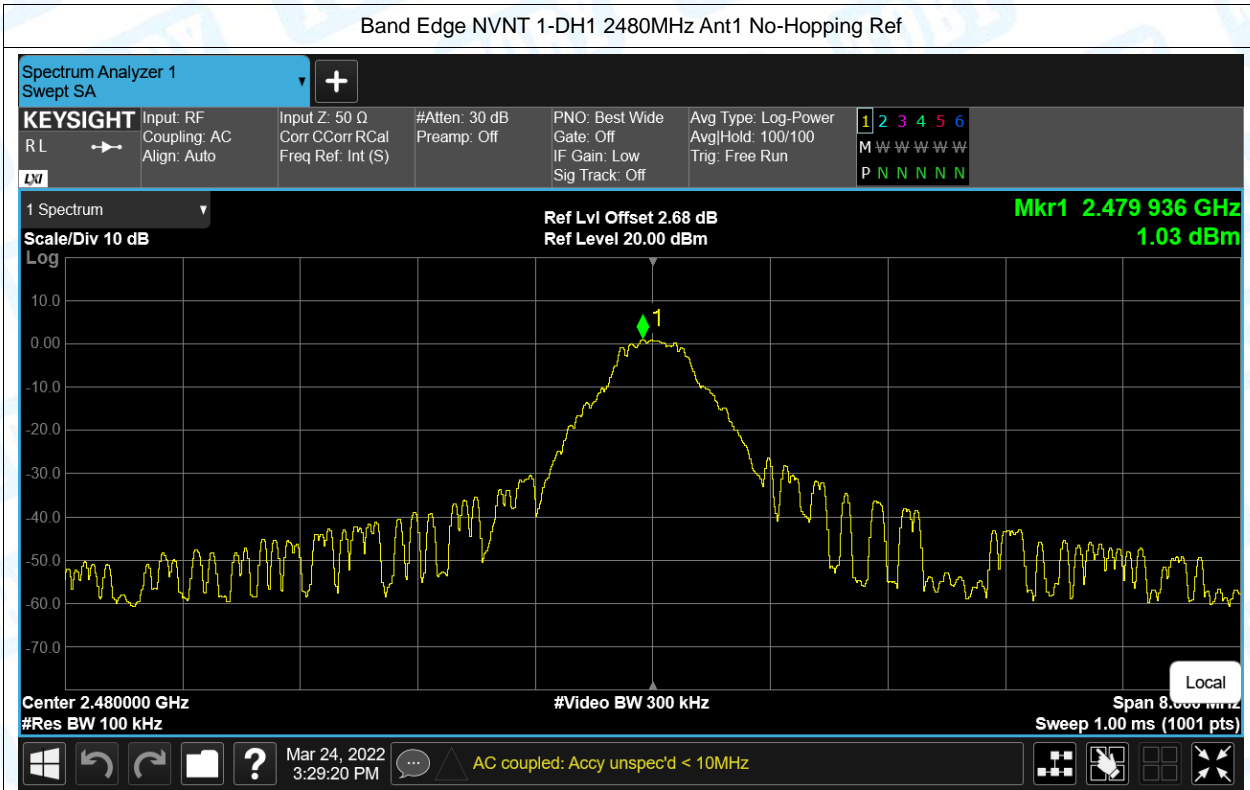
Test Graphs

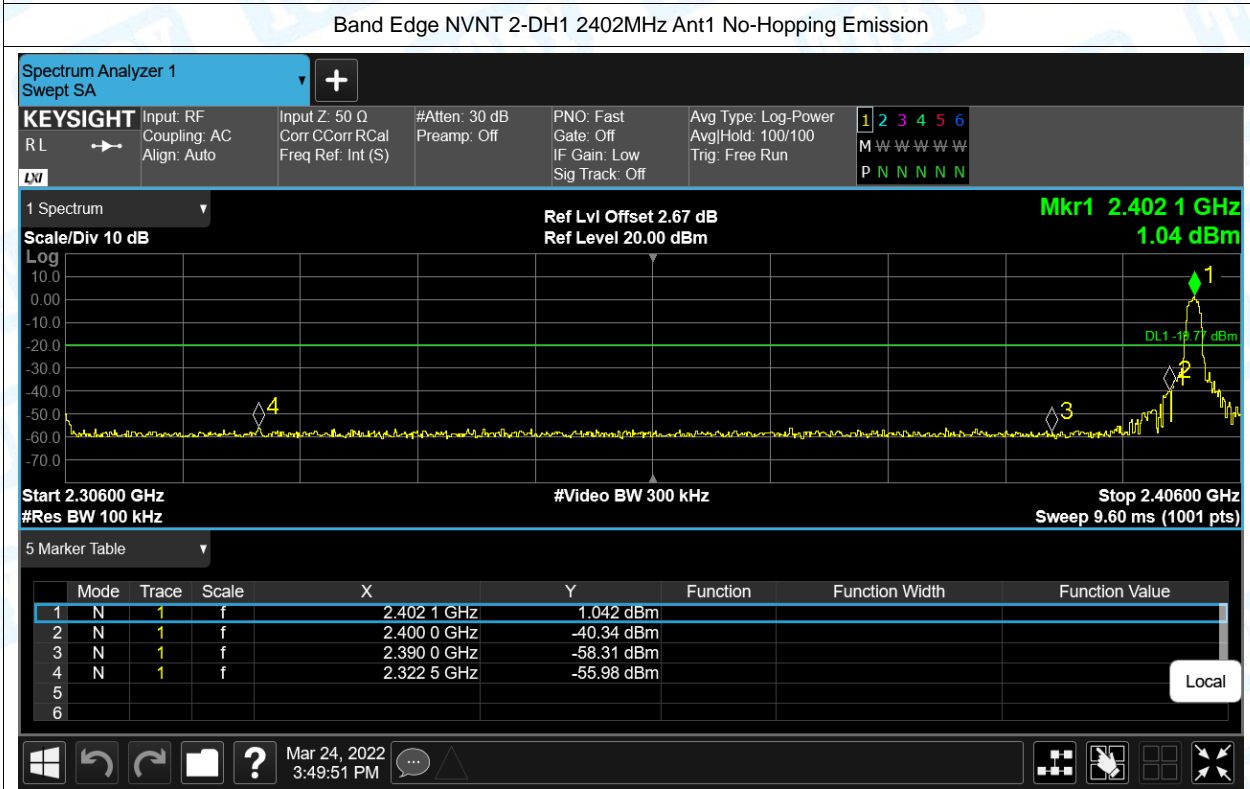
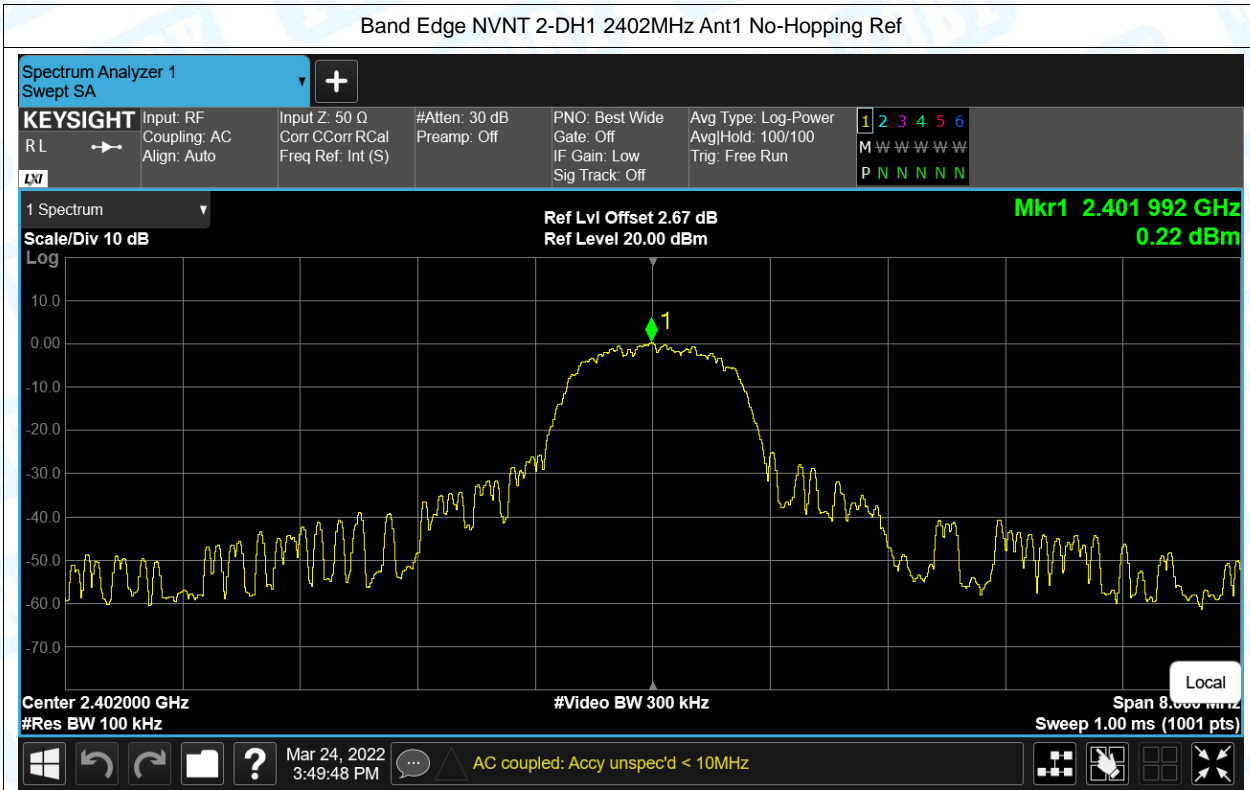
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref

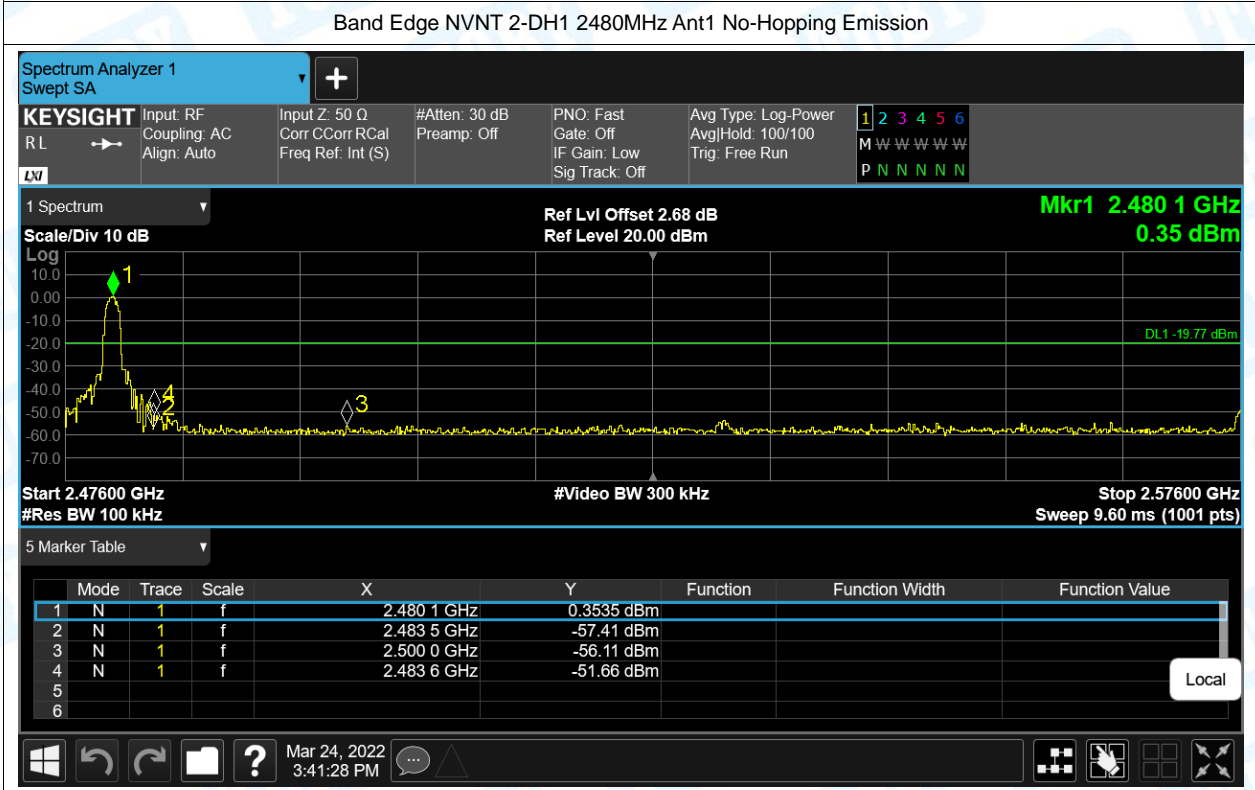
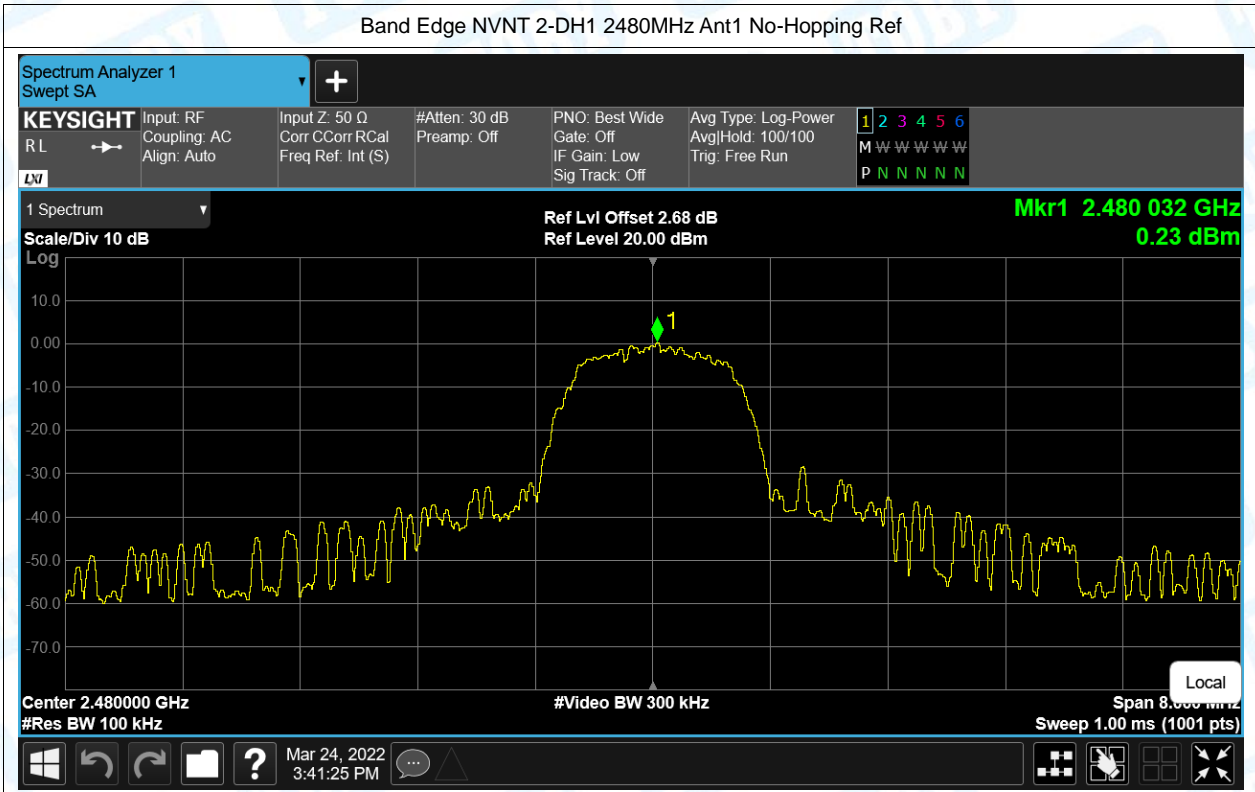


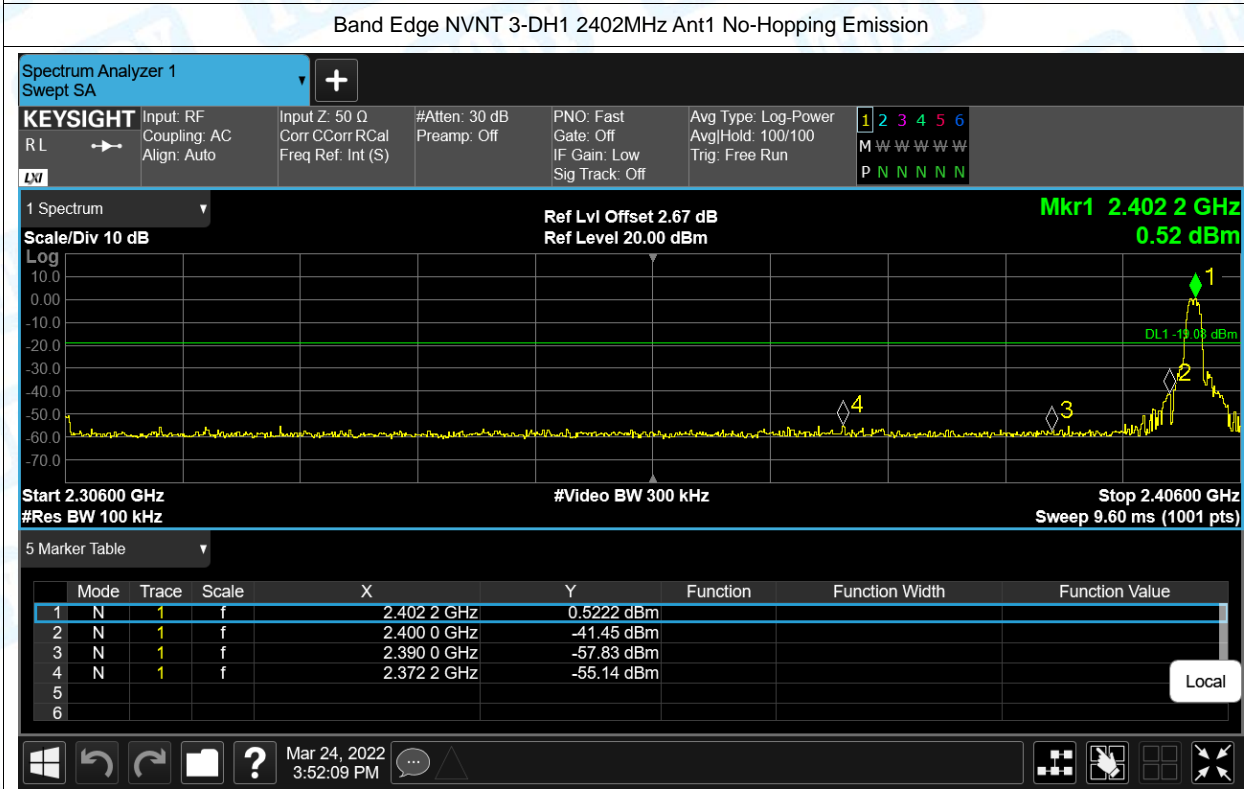
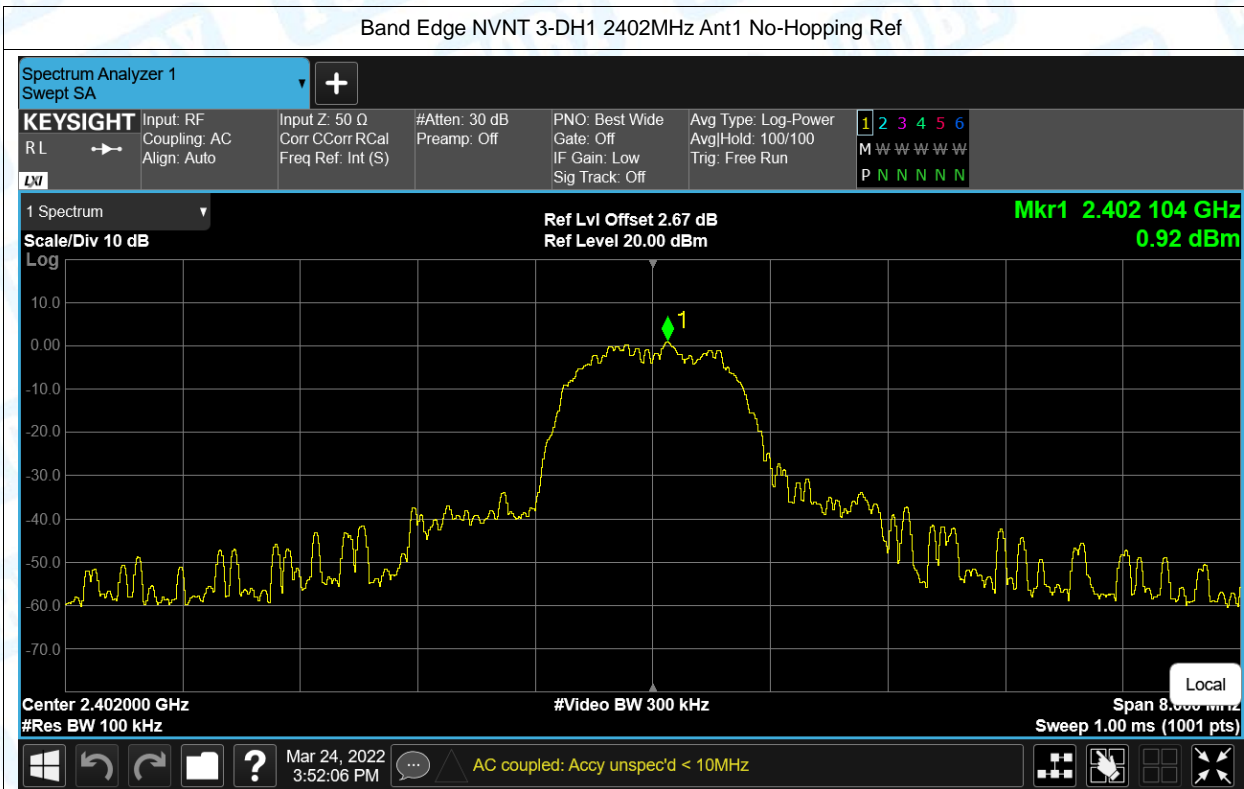
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission

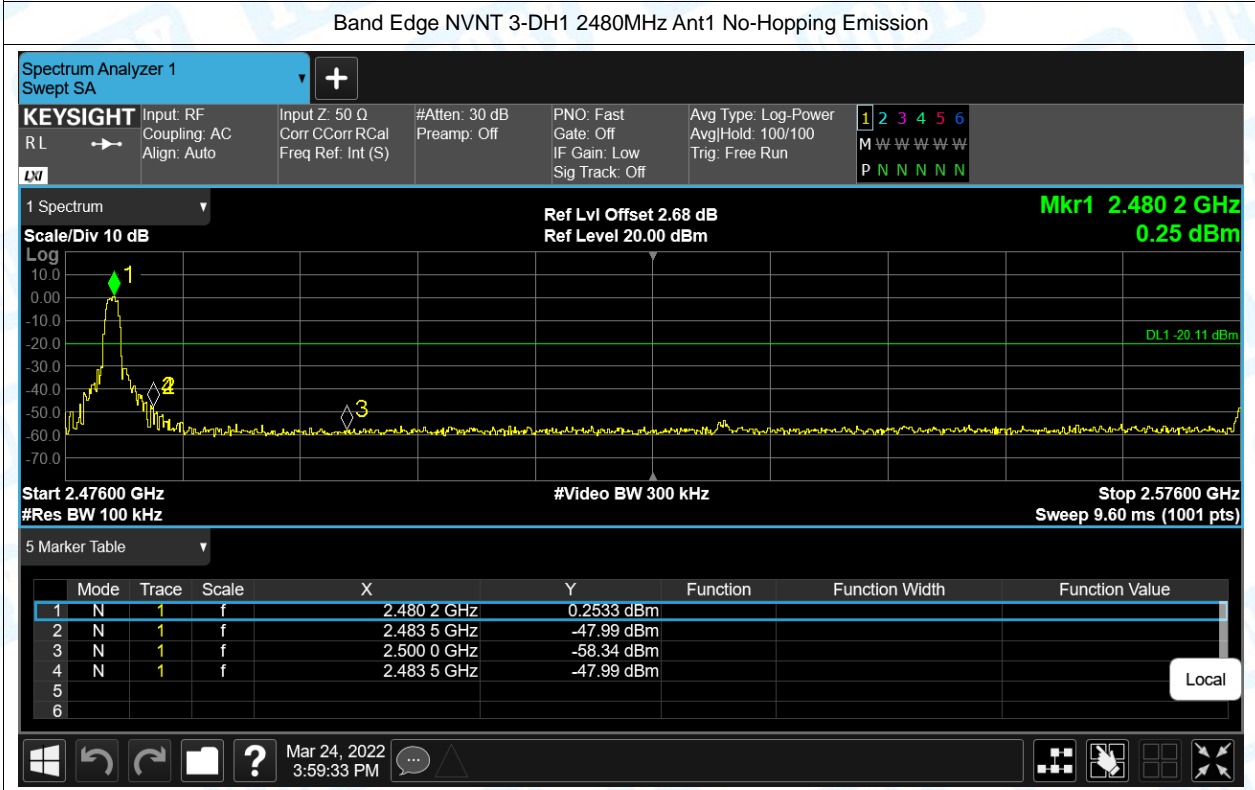
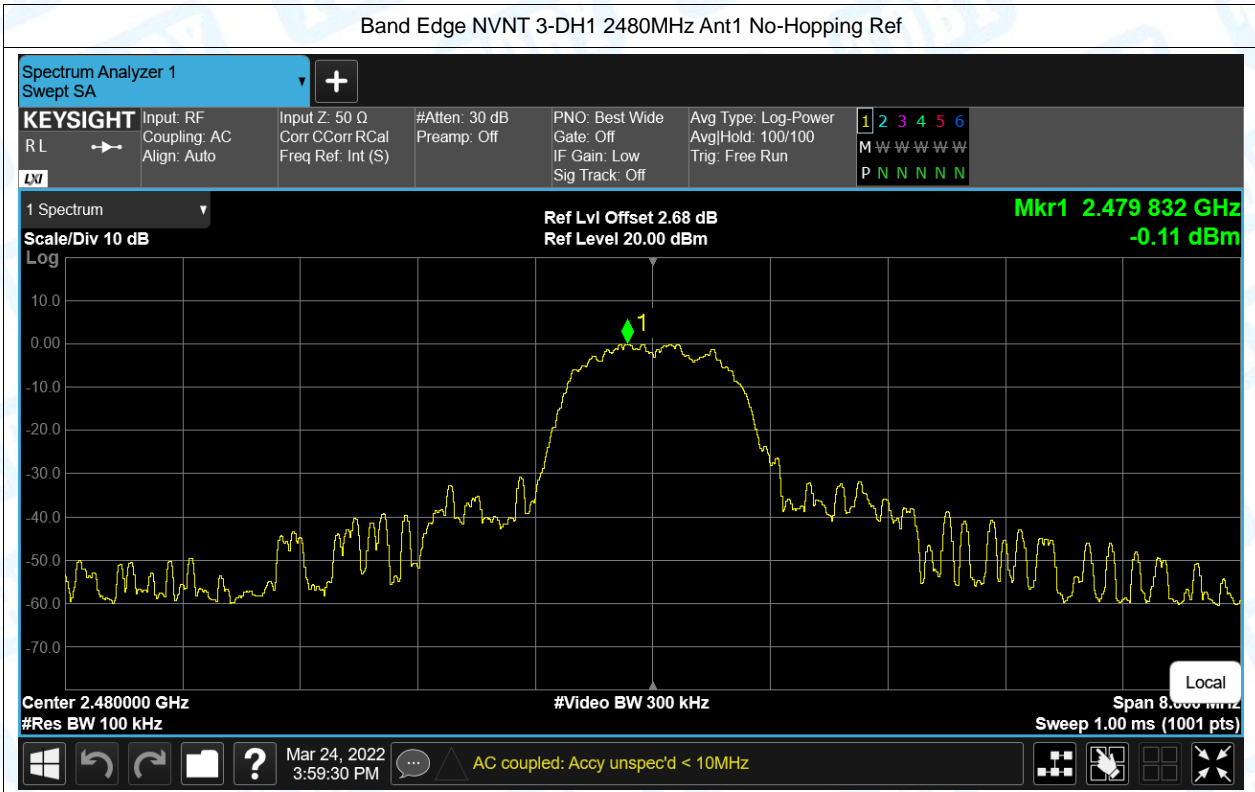










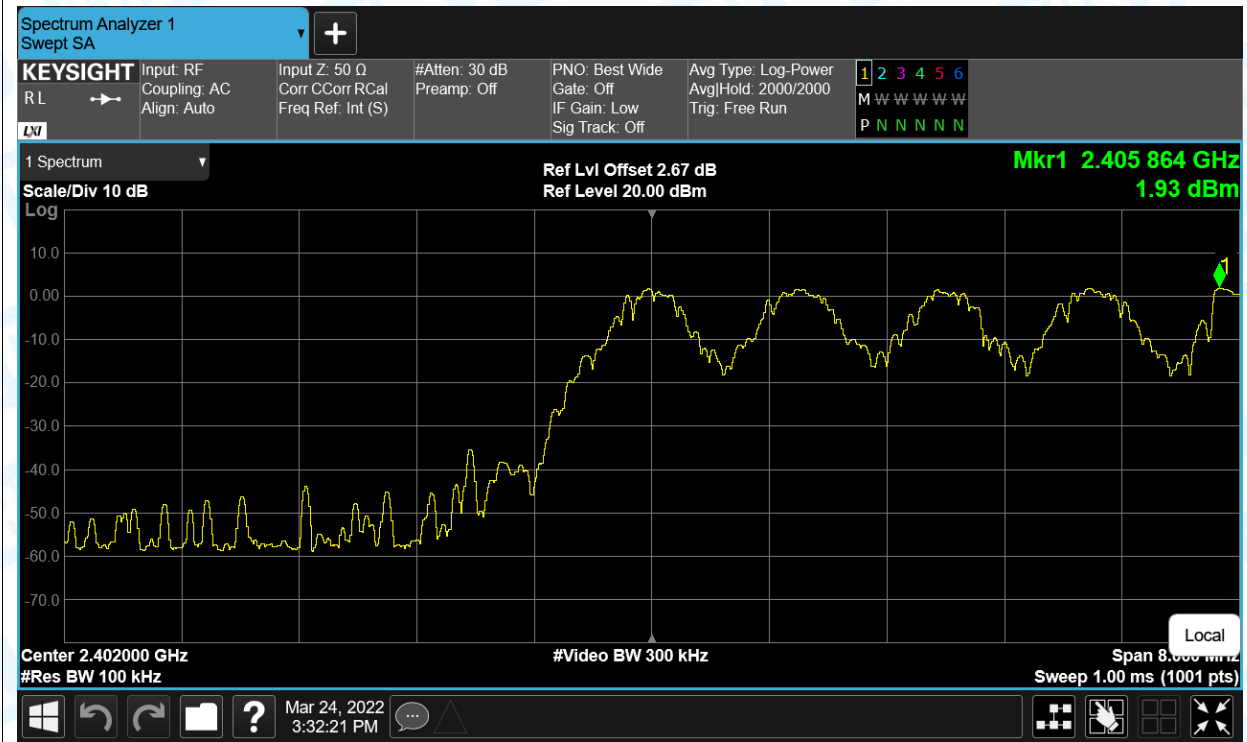


6. Band Edge(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-49.62	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-46.72	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-49.51	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-46.69	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-48.81	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-46.47	-20	Pass

Test Graphs

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



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

