

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

General Description of EUT	
Product Name:	Projector
Test Model:	M9
Sample ID:	202207-0331-5-2#
Environmental Conditions	
Temperature:	25°C
Relative Humidity:	55%
Test Voltage:	AC 120V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202207-0331-81	

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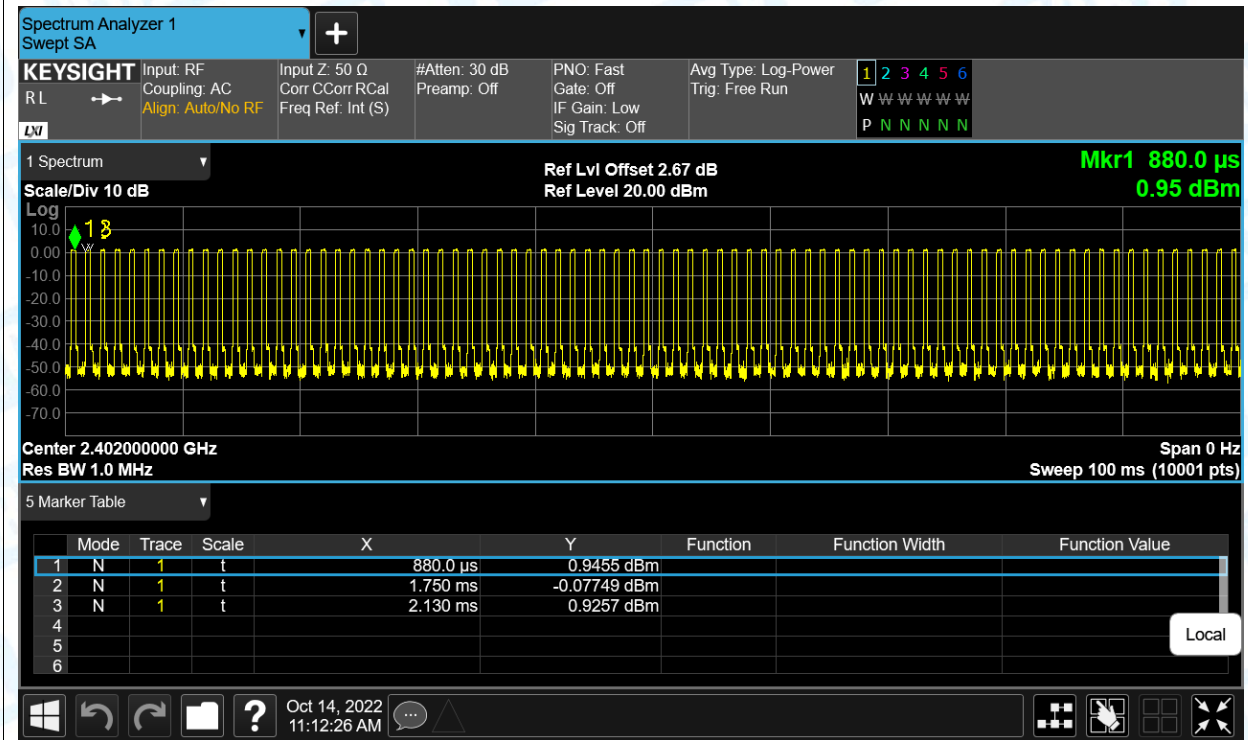
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1. Duty Cycle

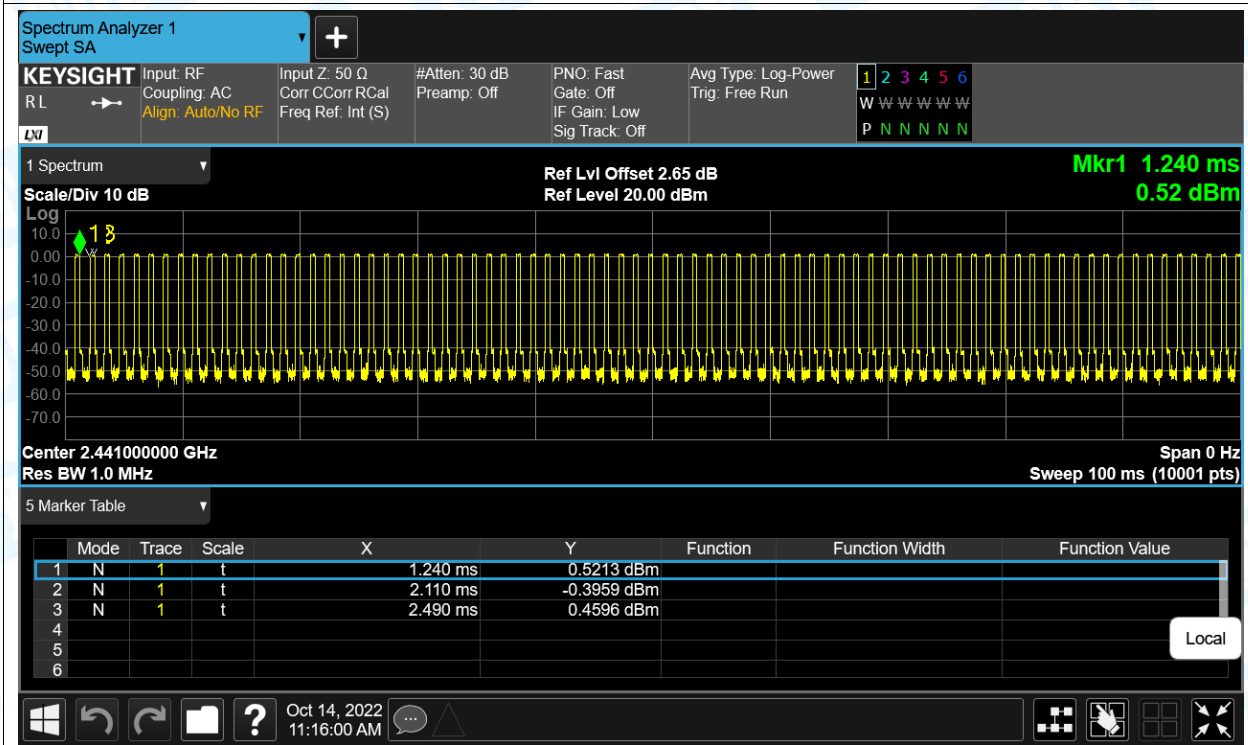
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH1	2402	Ant1	30.4	5.17	2.63
NVNT	1-DH1	2441	Ant1	30.4	5.17	2.63
NVNT	1-DH1	2480	Ant1	30.4	5.17	2.63
NVNT	2-DH1	2402	Ant1	30.4	5.17	2.63
NVNT	2-DH1	2441	Ant1	31.2	5.06	2.56
NVNT	2-DH1	2480	Ant1	31.2	5.06	2.56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

Test Graphs

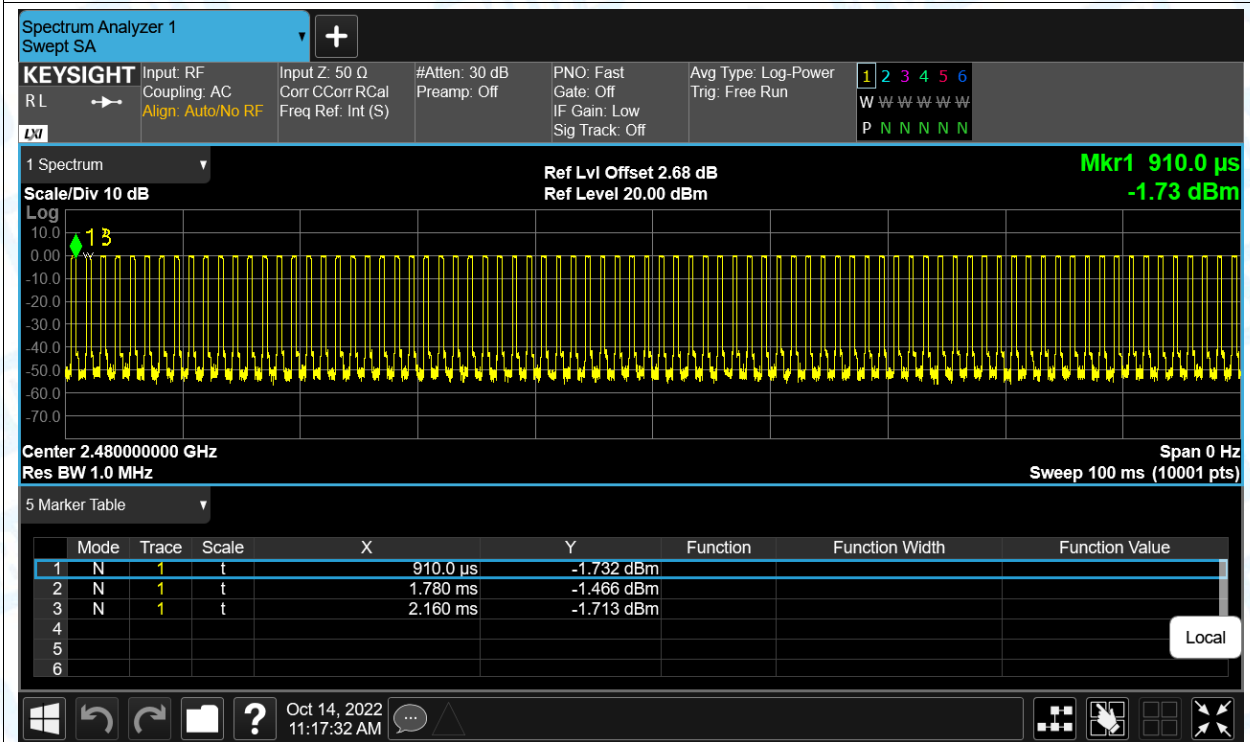
Duty Cycle NVNT 1-DH1 2402MHz Ant1



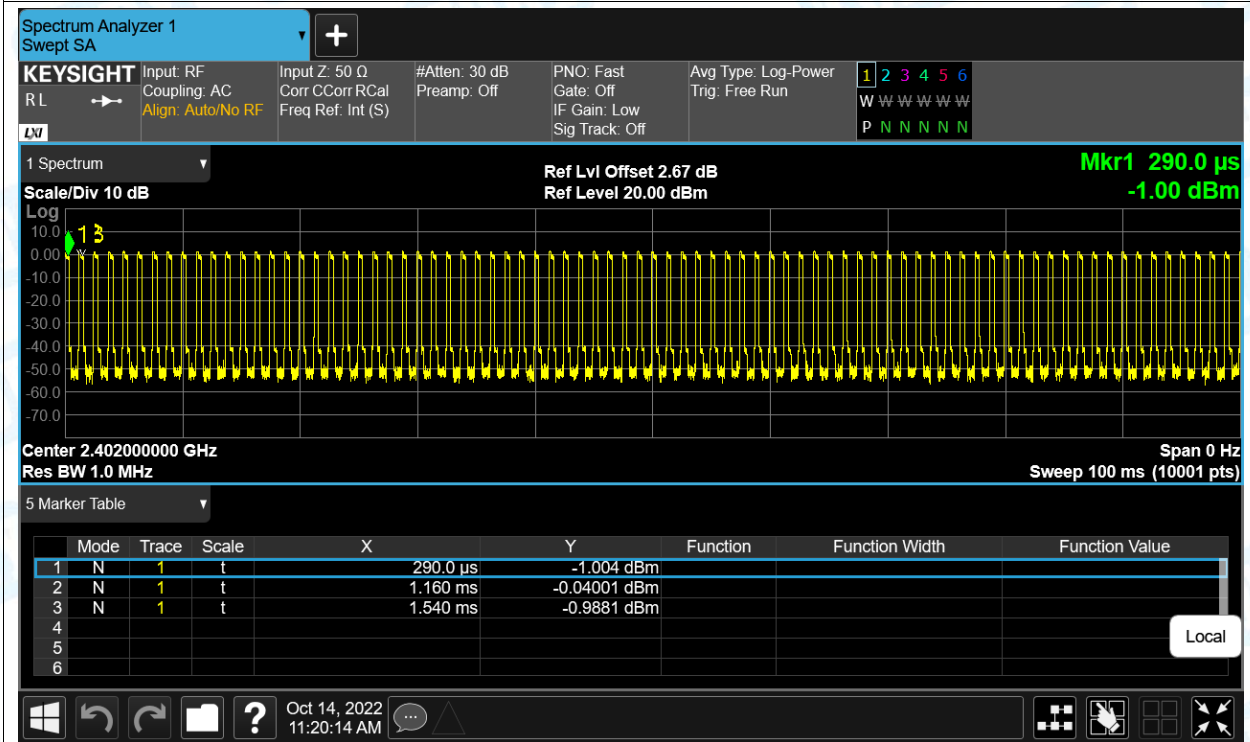
Duty Cycle NVNT 1-DH1 2441MHz Ant1



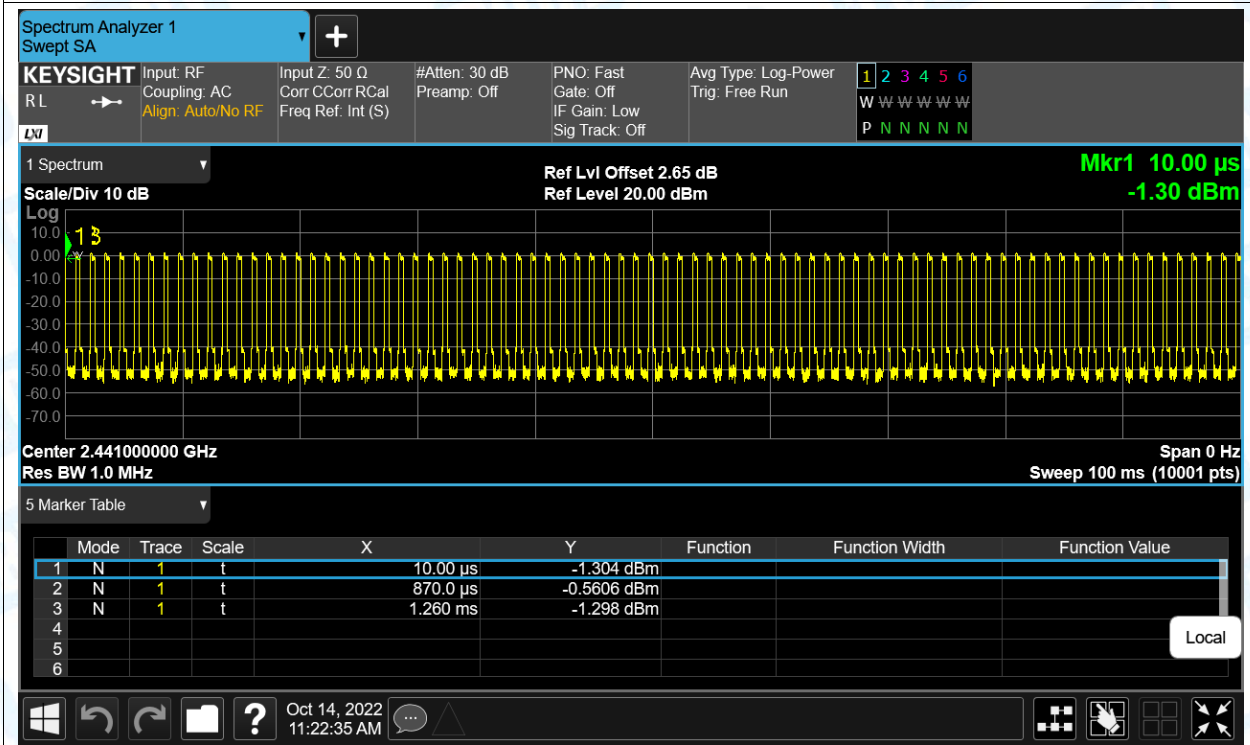
Duty Cycle NVNT 1-DH1 2480MHz Ant1



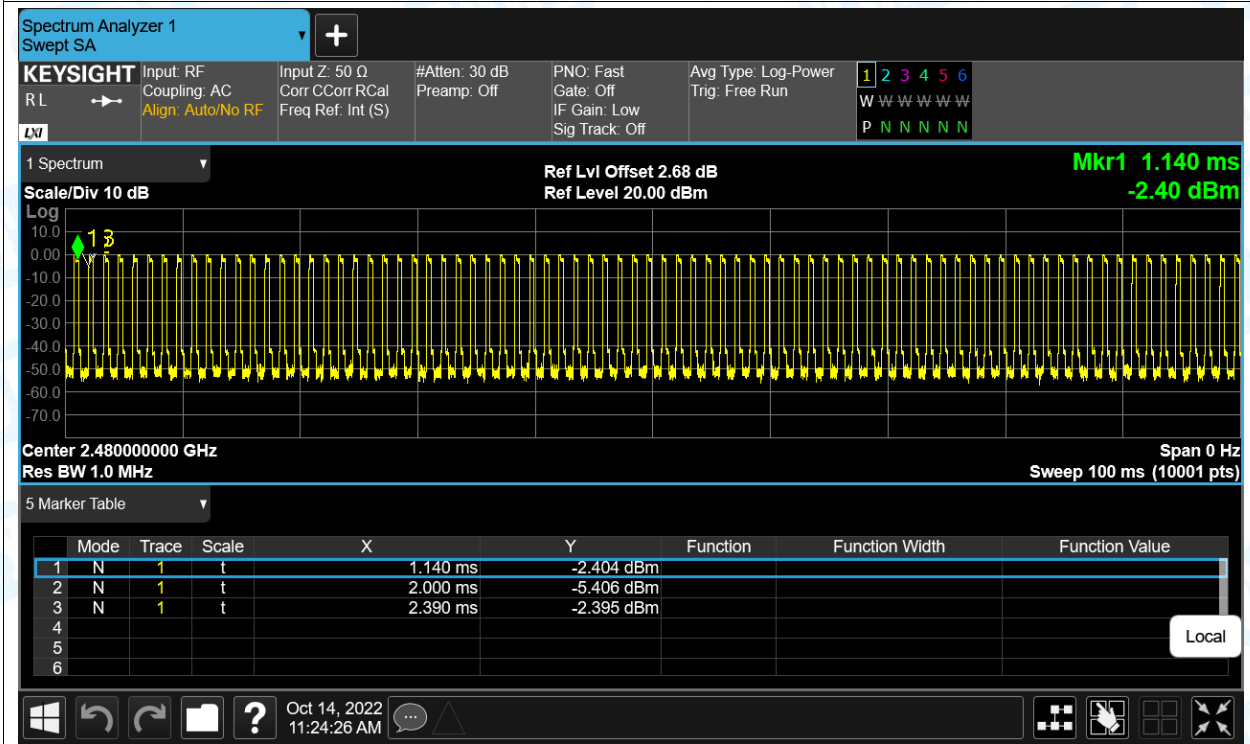
Duty Cycle NVNT 2-DH1 2402MHz Ant1



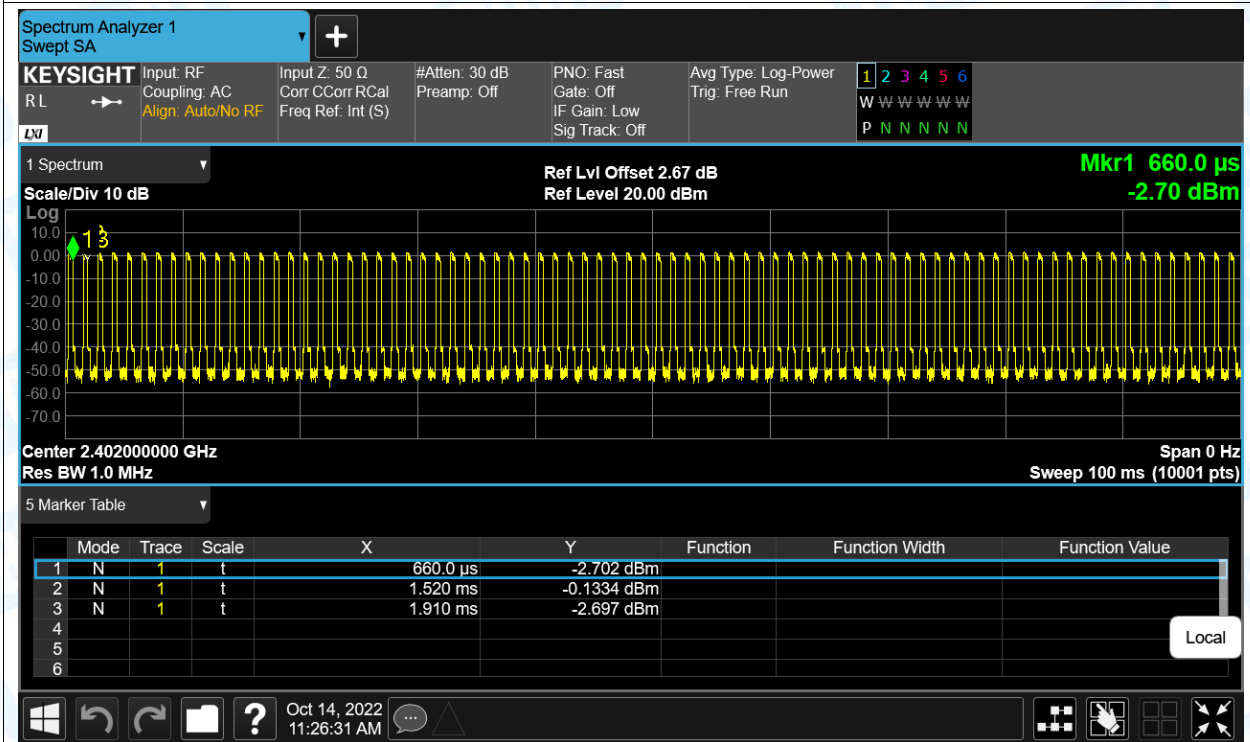
Duty Cycle NVNT 2-DH1 2441MHz Ant1



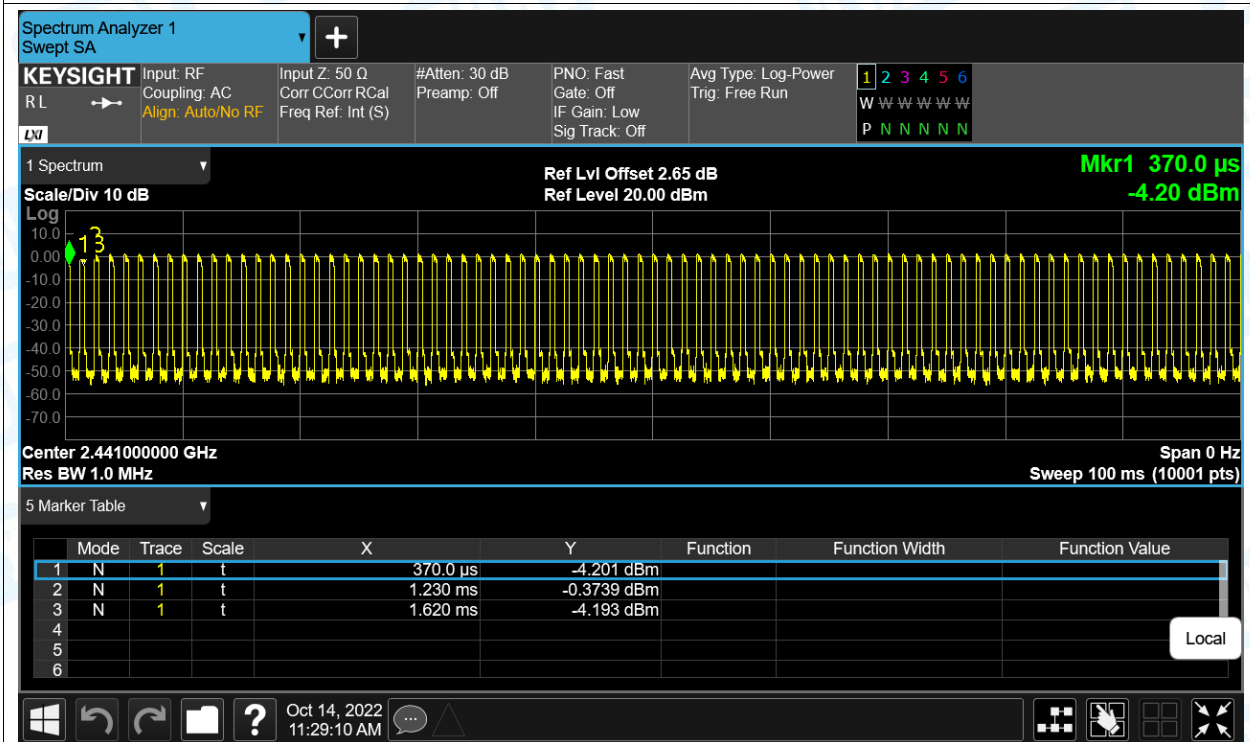
Duty Cycle NVNT 2-DH1 2480MHz Ant1

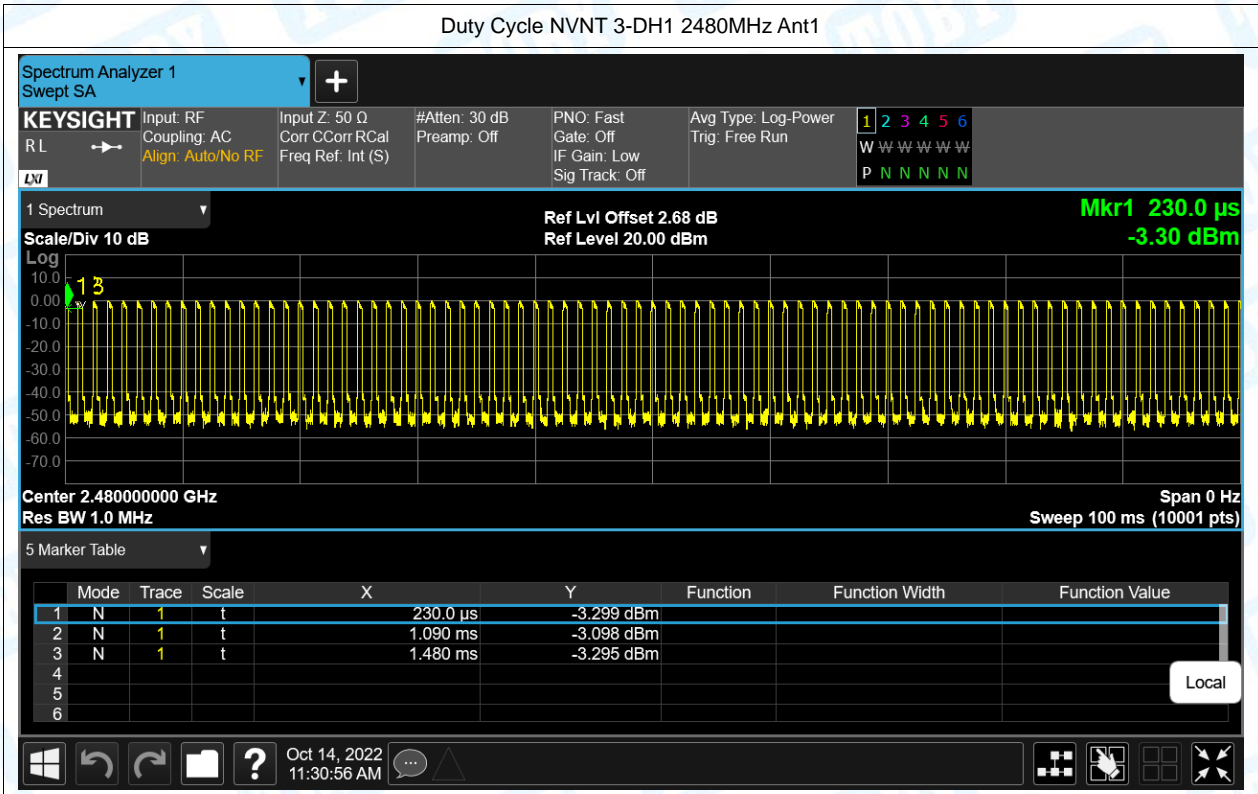


Duty Cycle NVNT 3-DH1 2402MHz Ant1



Duty Cycle NVNT 3-DH1 2441MHz Ant1



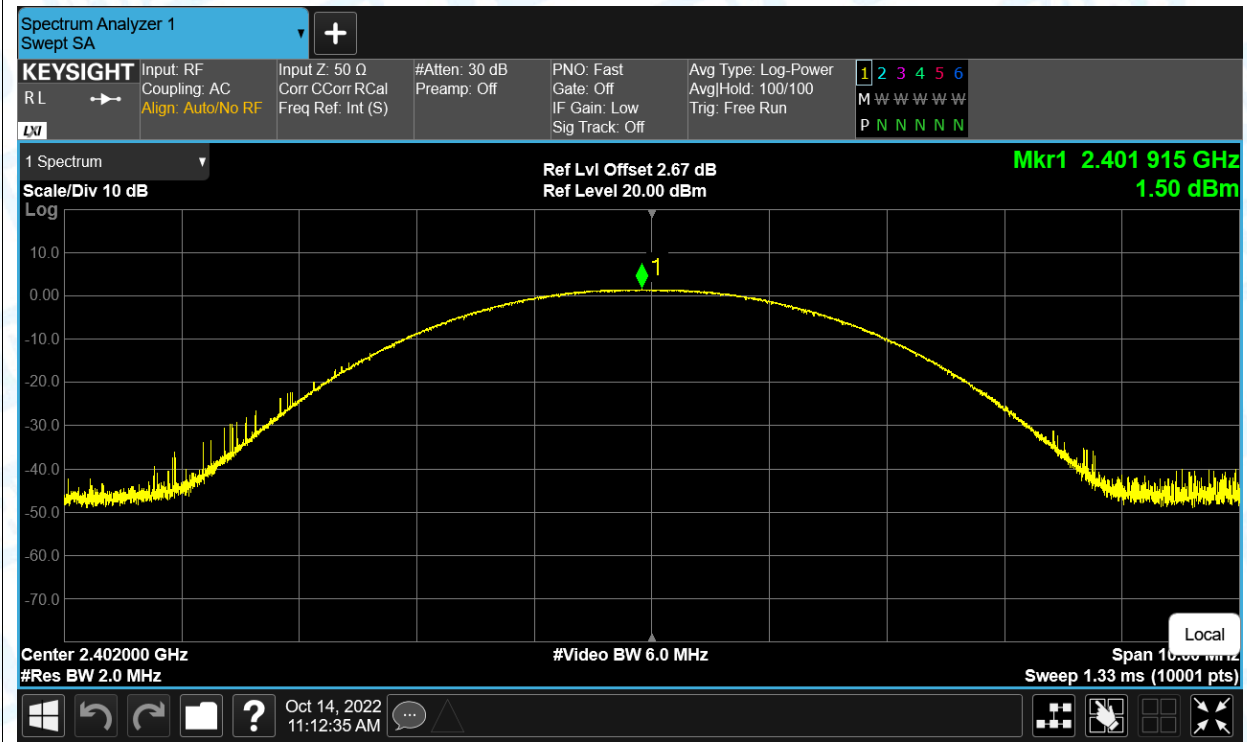


2. Maximum Conducted Output Power

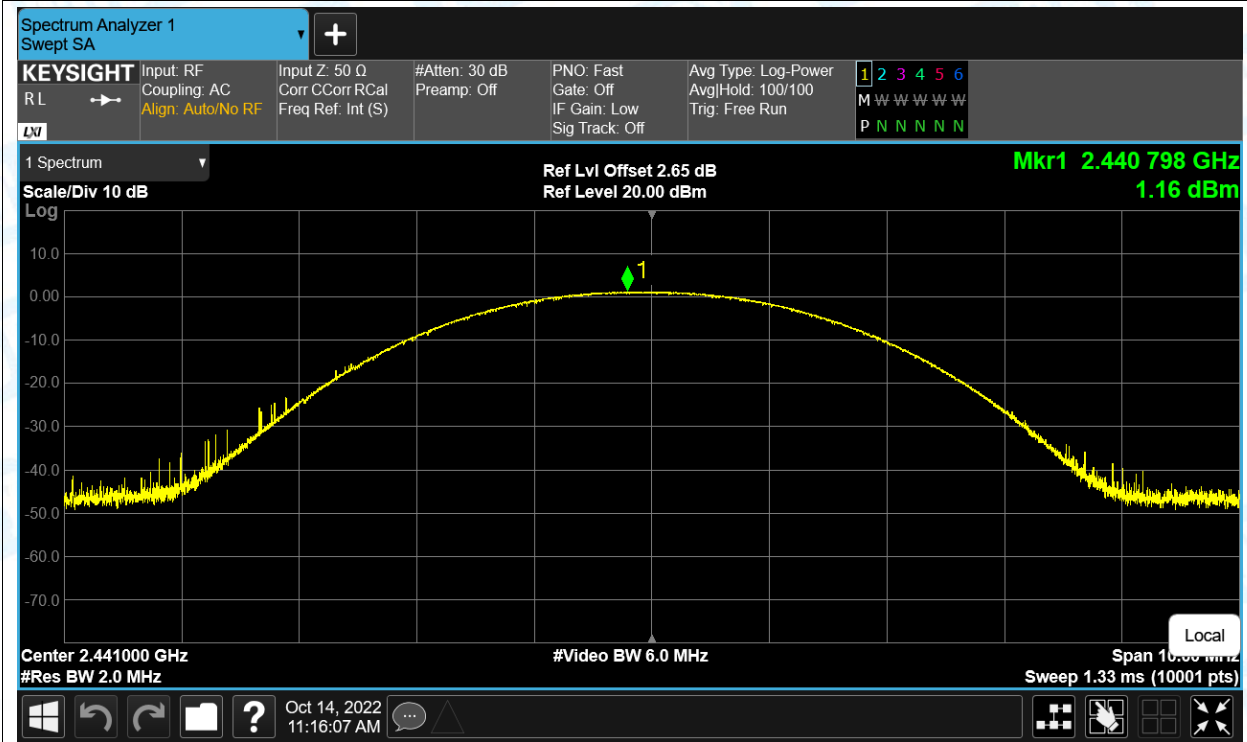
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	1.502	21	Pass
NVNT	1-DH1	2441	Ant1	1.156	21	Pass
NVNT	1-DH1	2480	Ant1	0.035	21	Pass
NVNT	2-DH1	2402	Ant1	1.501	21	Pass
NVNT	2-DH1	2441	Ant1	1.155	21	Pass
NVNT	2-DH1	2480	Ant1	0.05	21	Pass
NVNT	3-DH1	2402	Ant1	1.53	21	Pass
NVNT	3-DH1	2441	Ant1	1.197	21	Pass
NVNT	3-DH1	2480	Ant1	0.018	21	Pass

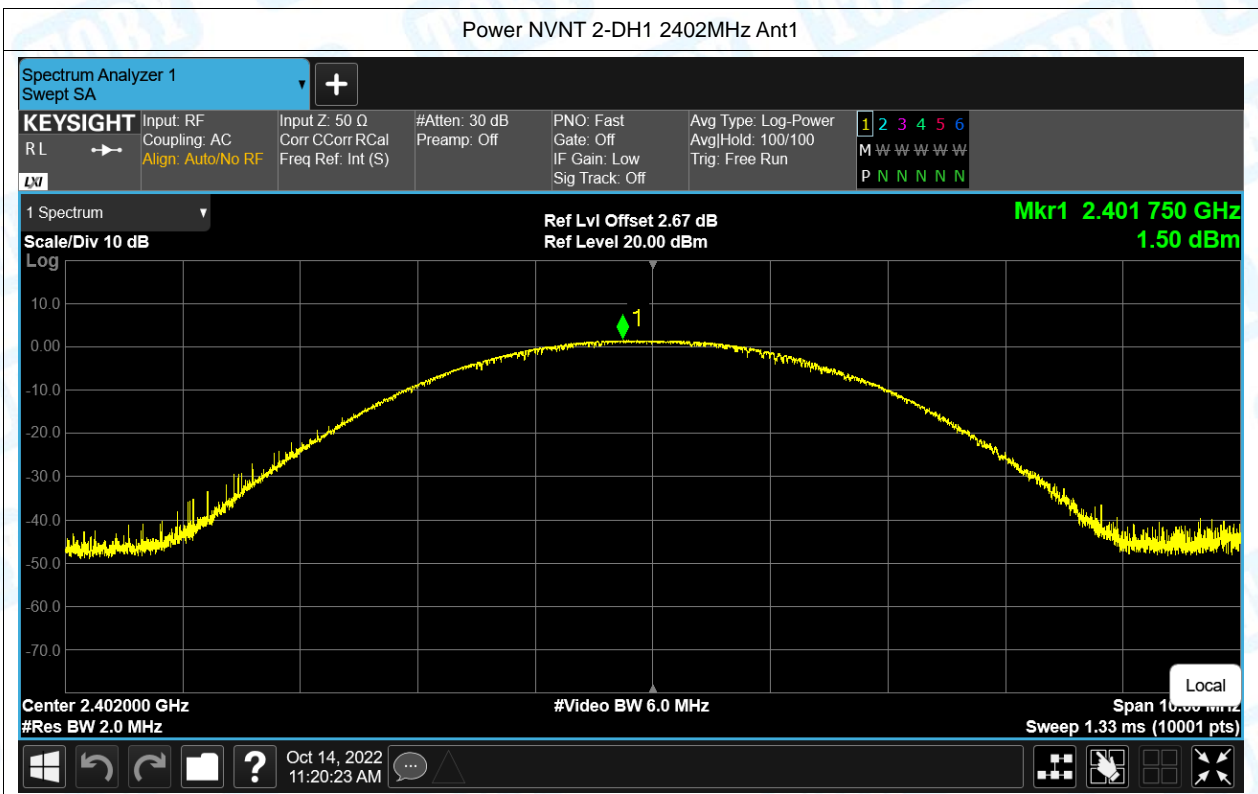
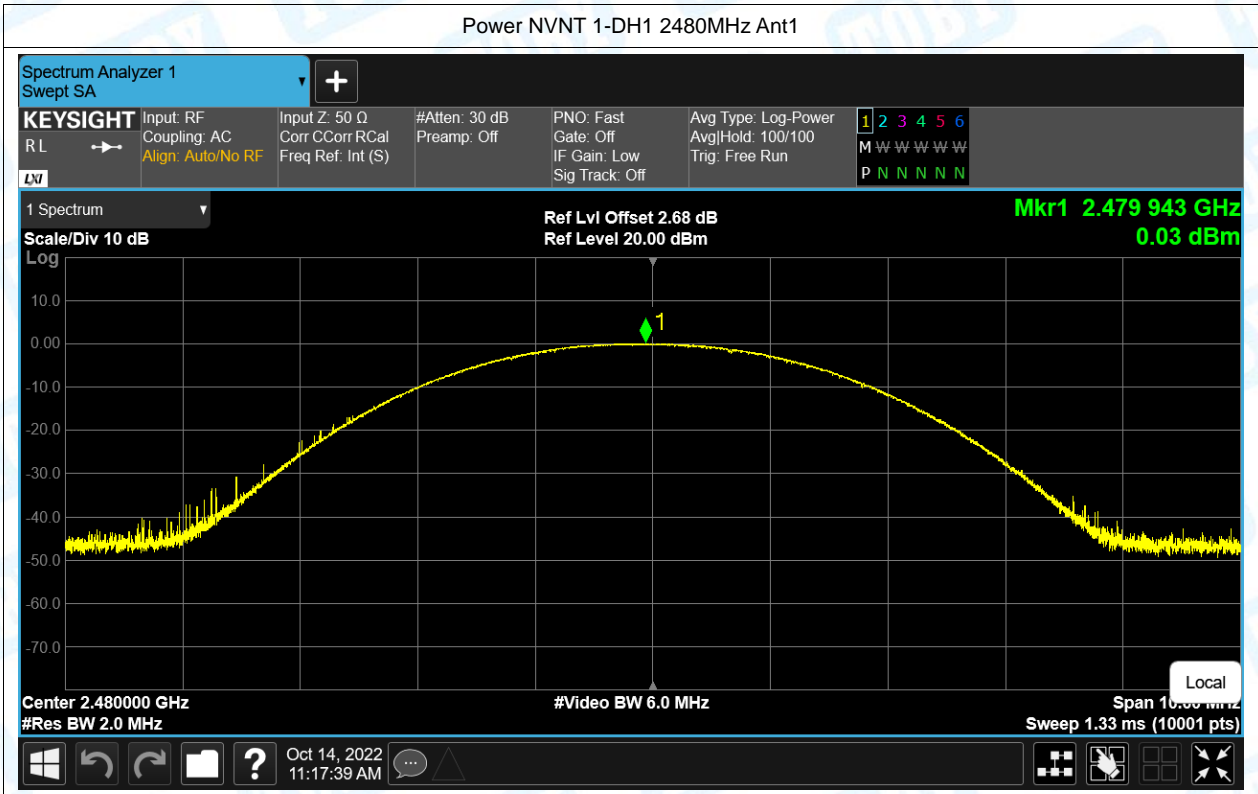
Test Graphs

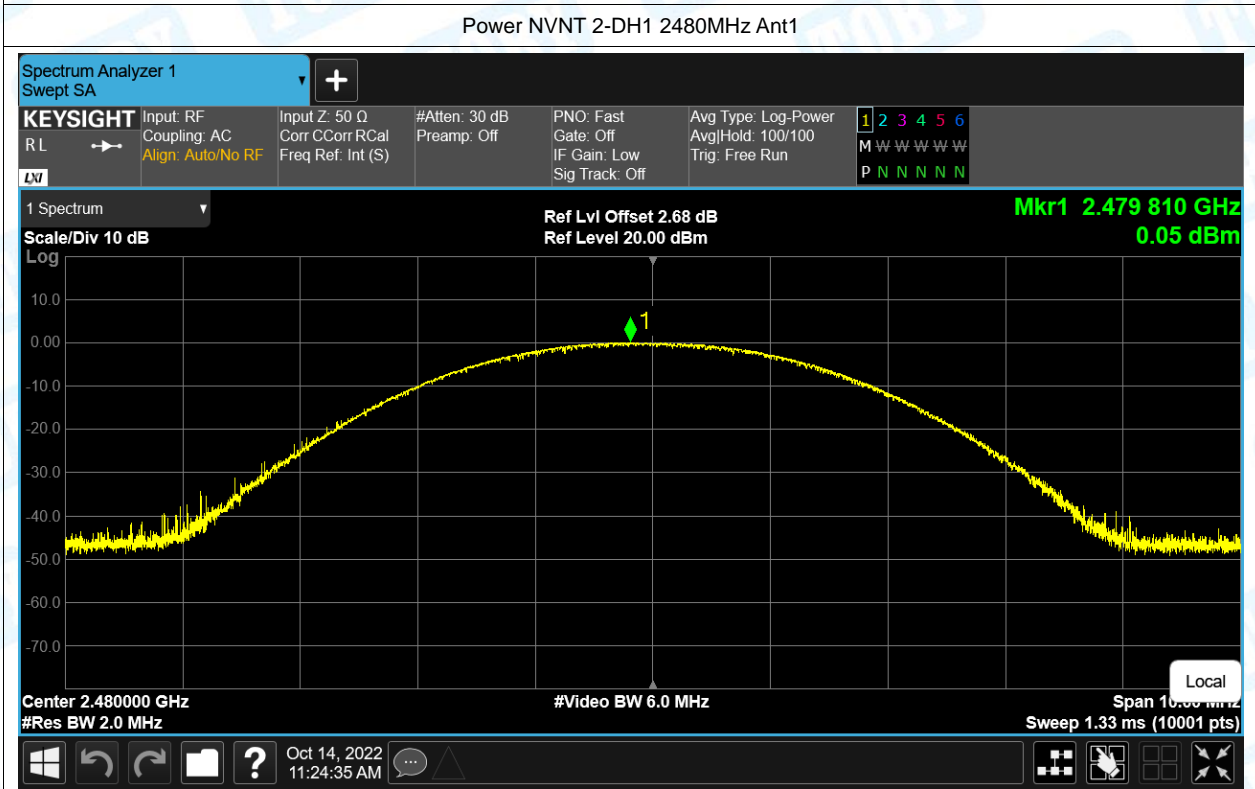
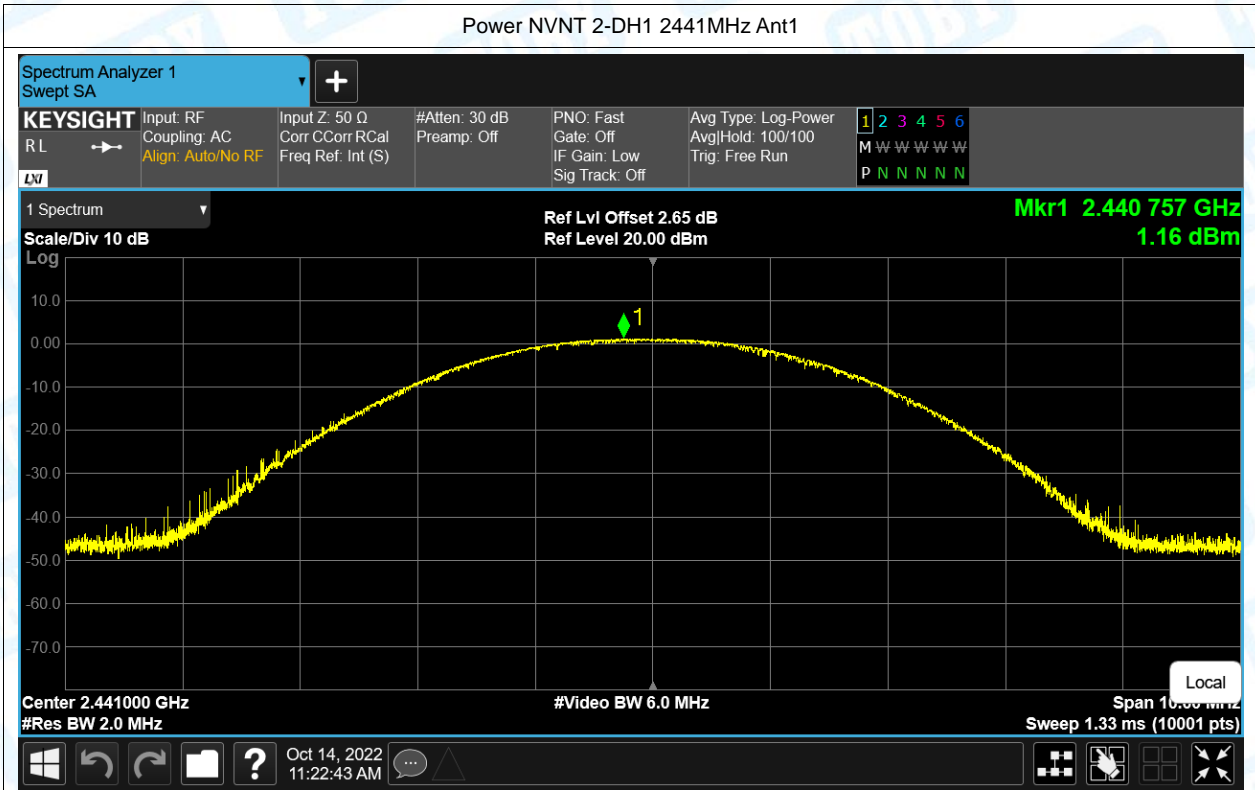
Power NVNT 1-DH1 2402MHz Ant1

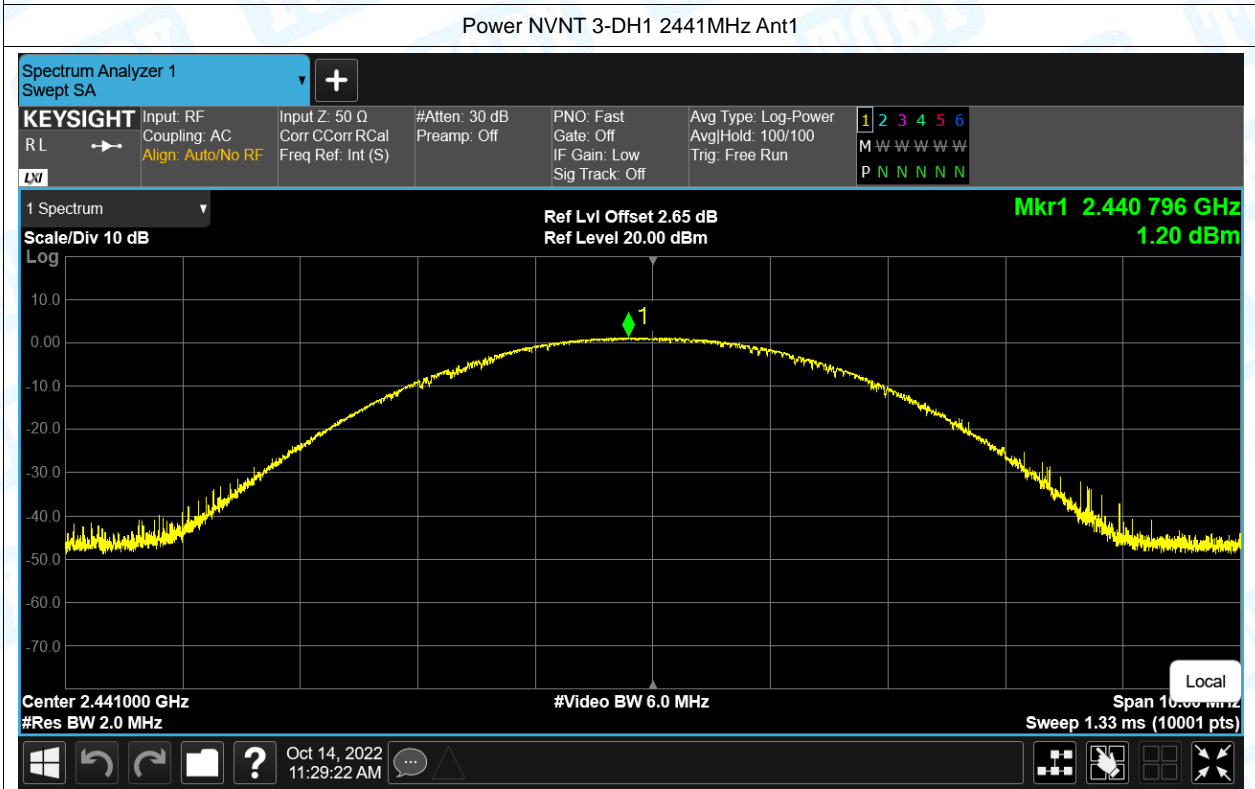
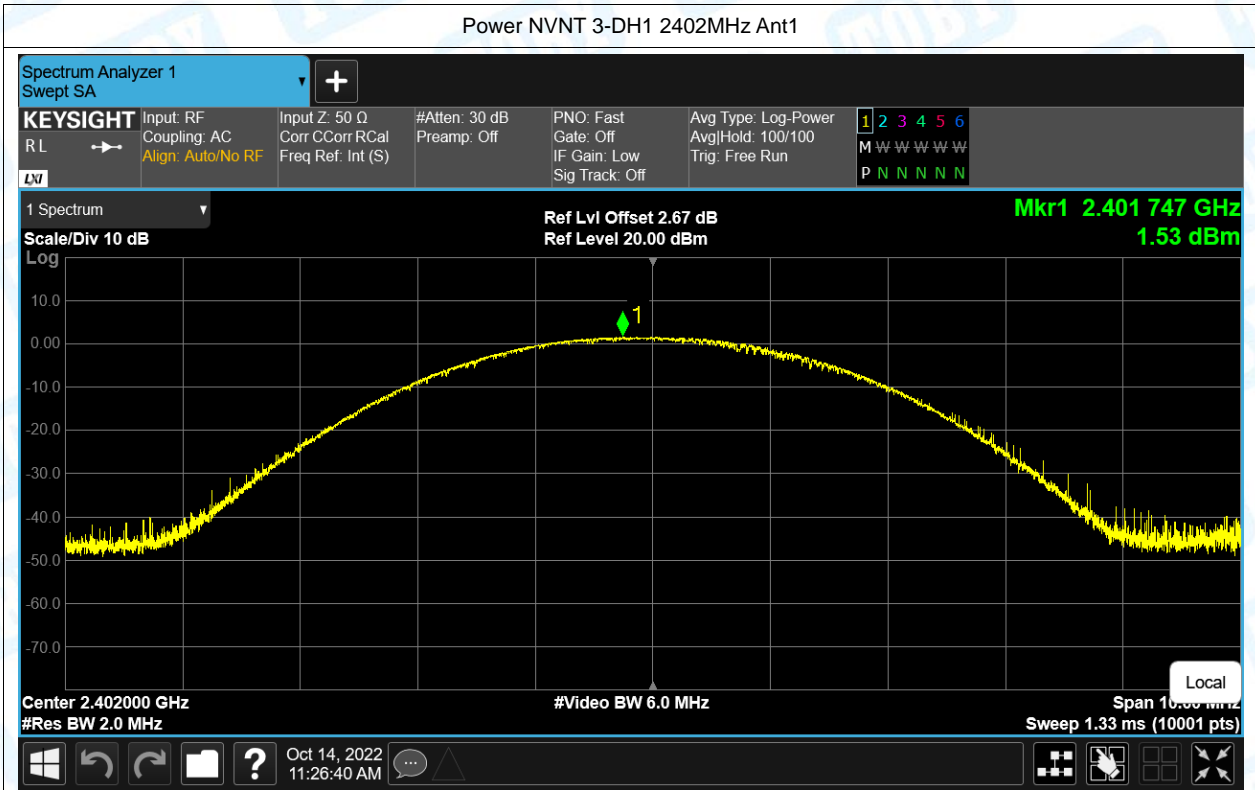


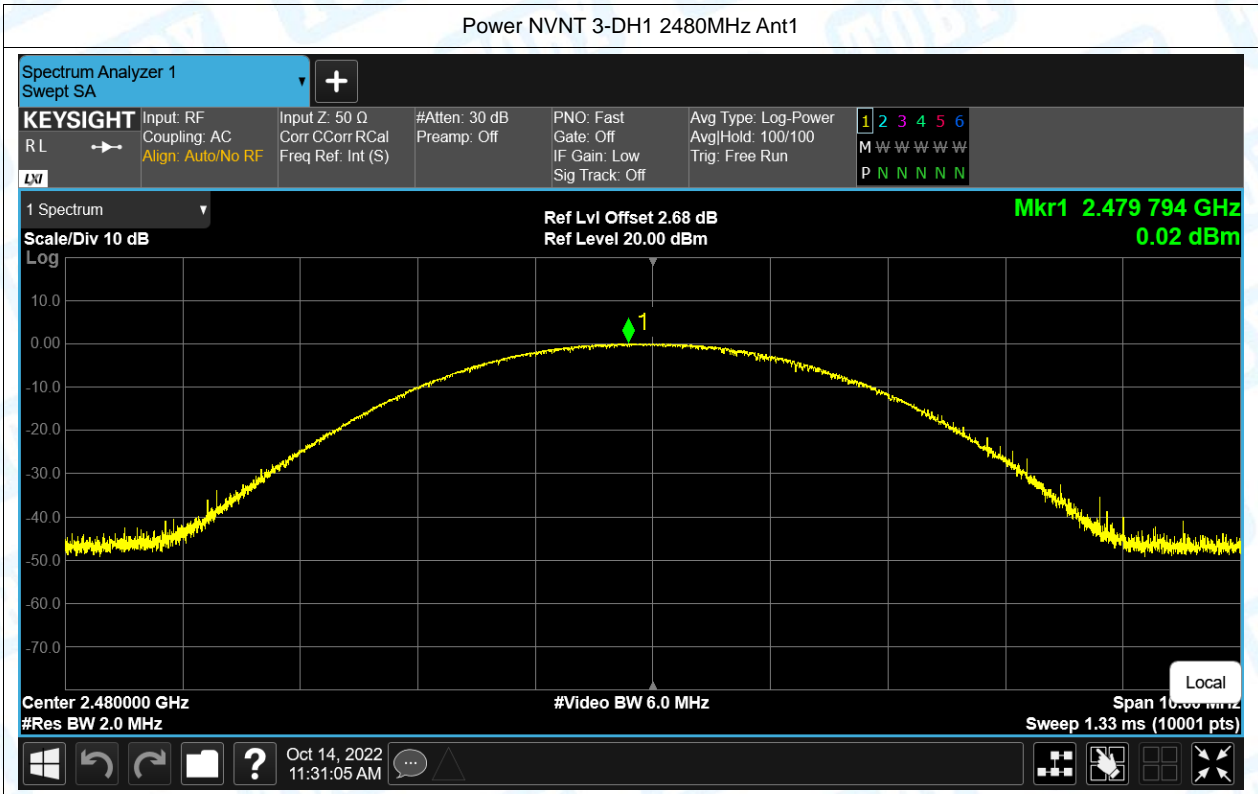
Power NVNT 1-DH1 2441MHz Ant1









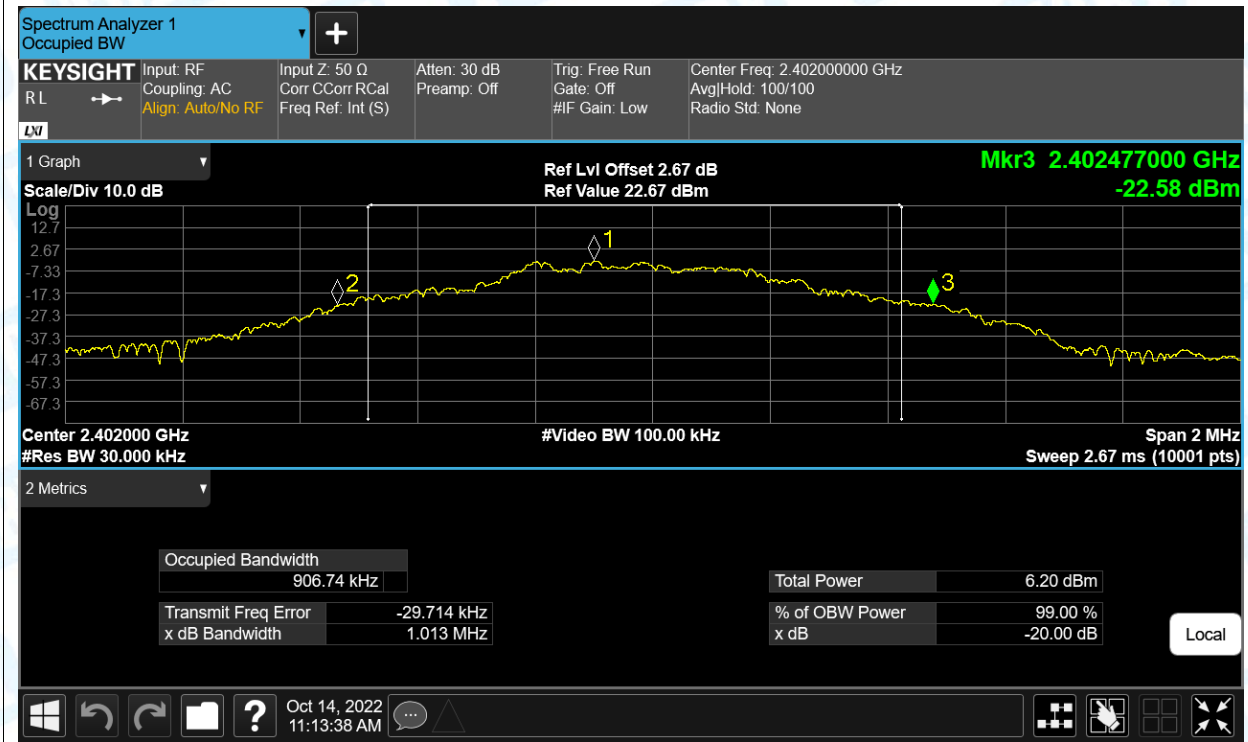


3. -20dB Bandwidth

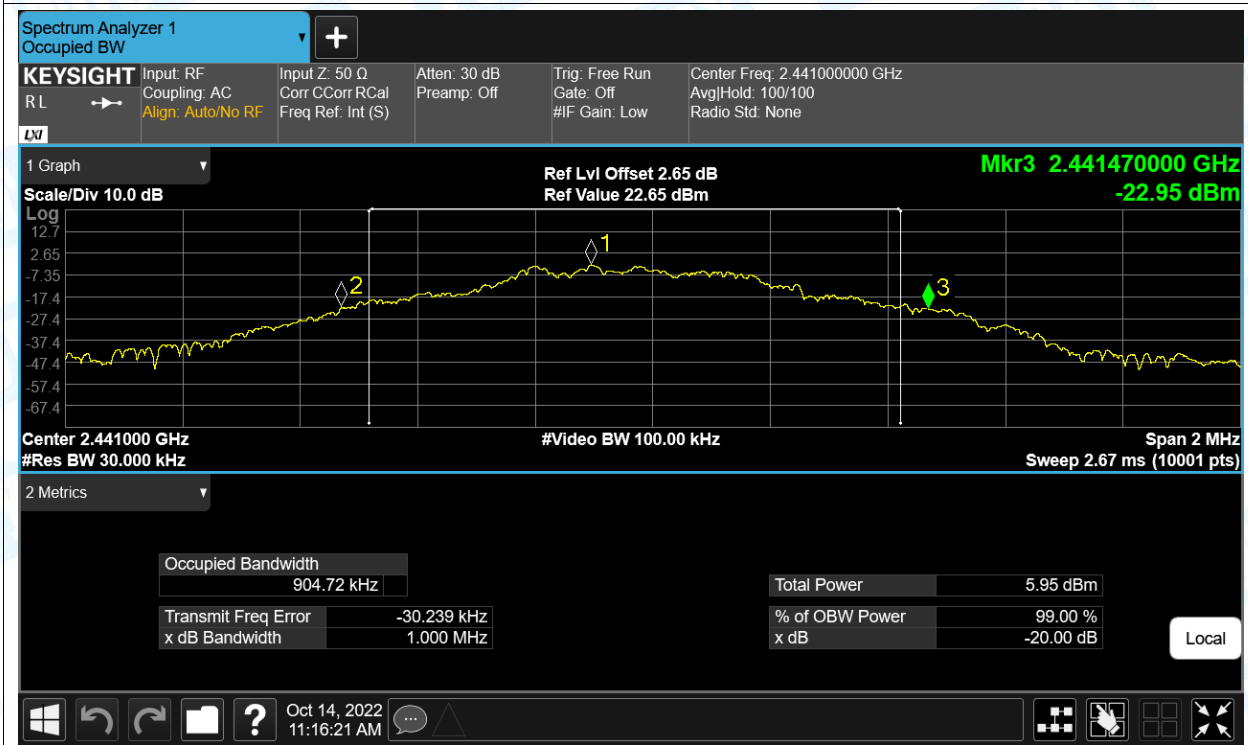
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	2/3 *20dB BW (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	1.01	0.673	Pass
NVNT	1-DH1	2441	Ant1	1	0.667	Pass
NVNT	1-DH1	2480	Ant1	1.05	0.700	Pass
NVNT	2-DH1	2402	Ant1	1.3	0.867	Pass
NVNT	2-DH1	2441	Ant1	1.28	0.853	Pass
NVNT	2-DH1	2480	Ant1	1.29	0.860	Pass
NVNT	3-DH1	2402	Ant1	1.26	0.840	Pass
NVNT	3-DH1	2441	Ant1	1.28	0.853	Pass
NVNT	3-DH1	2480	Ant1	1.28	0.853	Pass

Test Graphs

-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



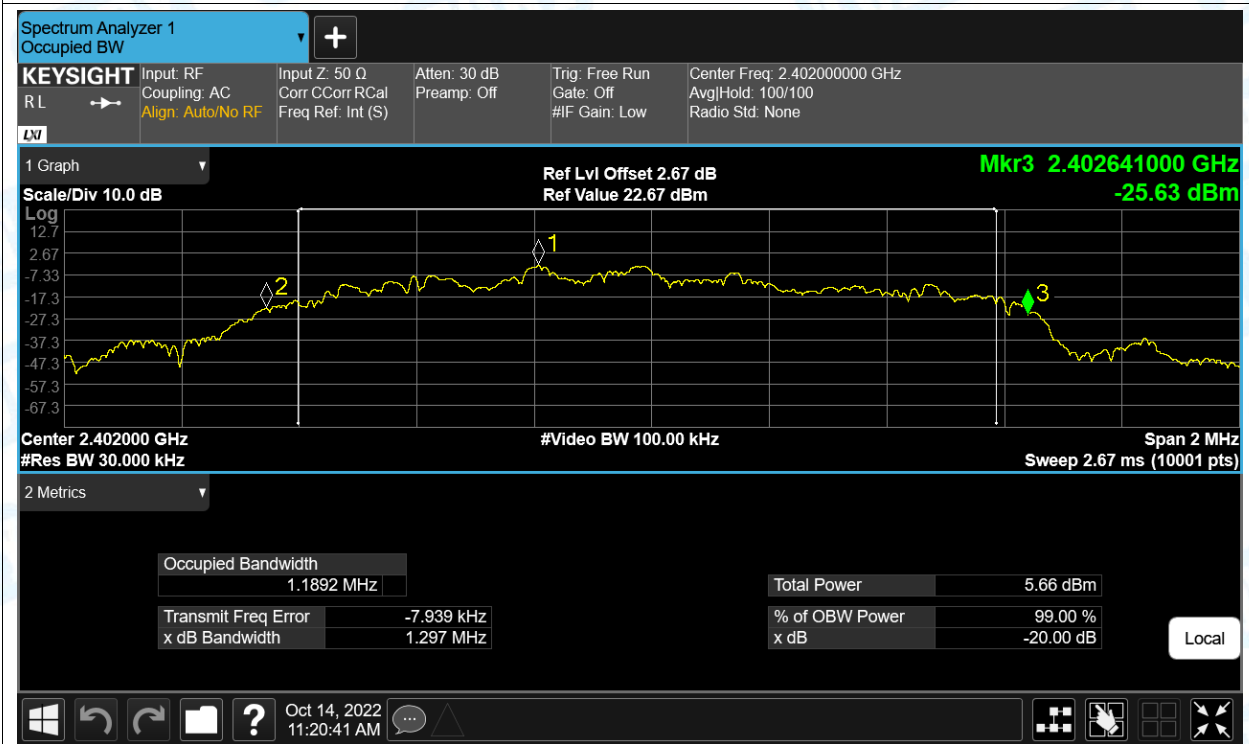
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



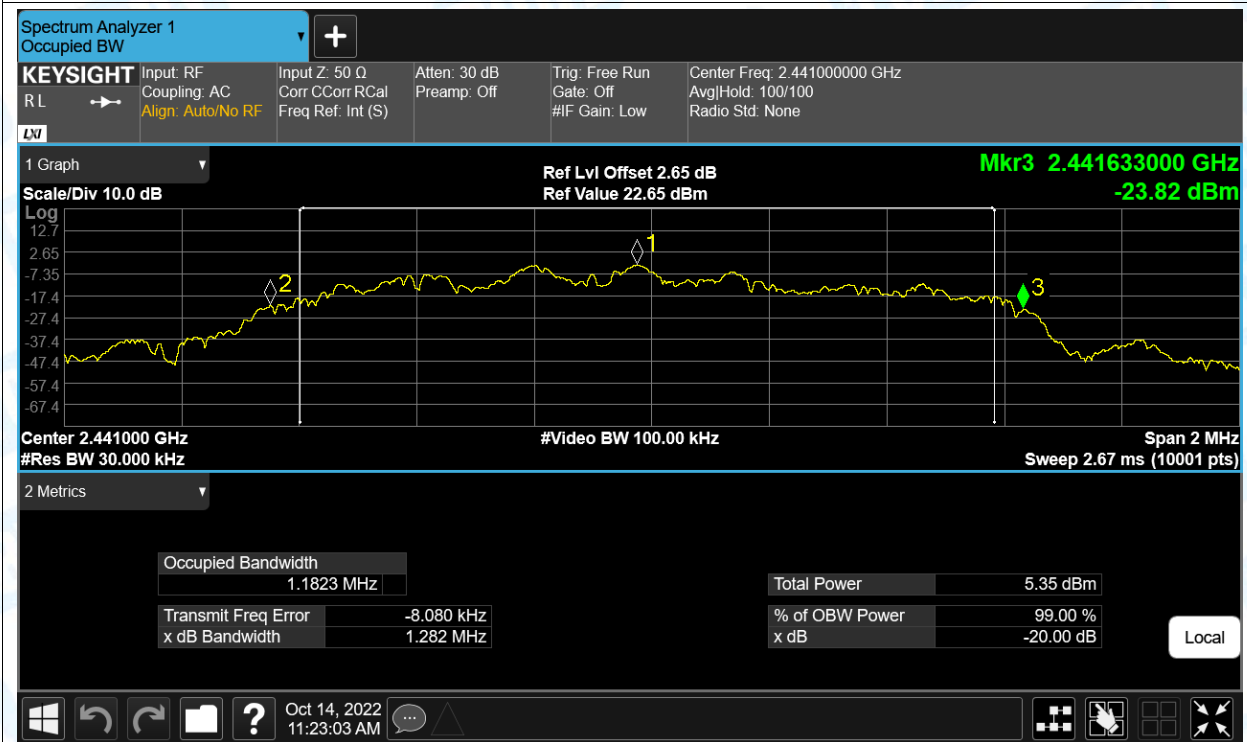
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



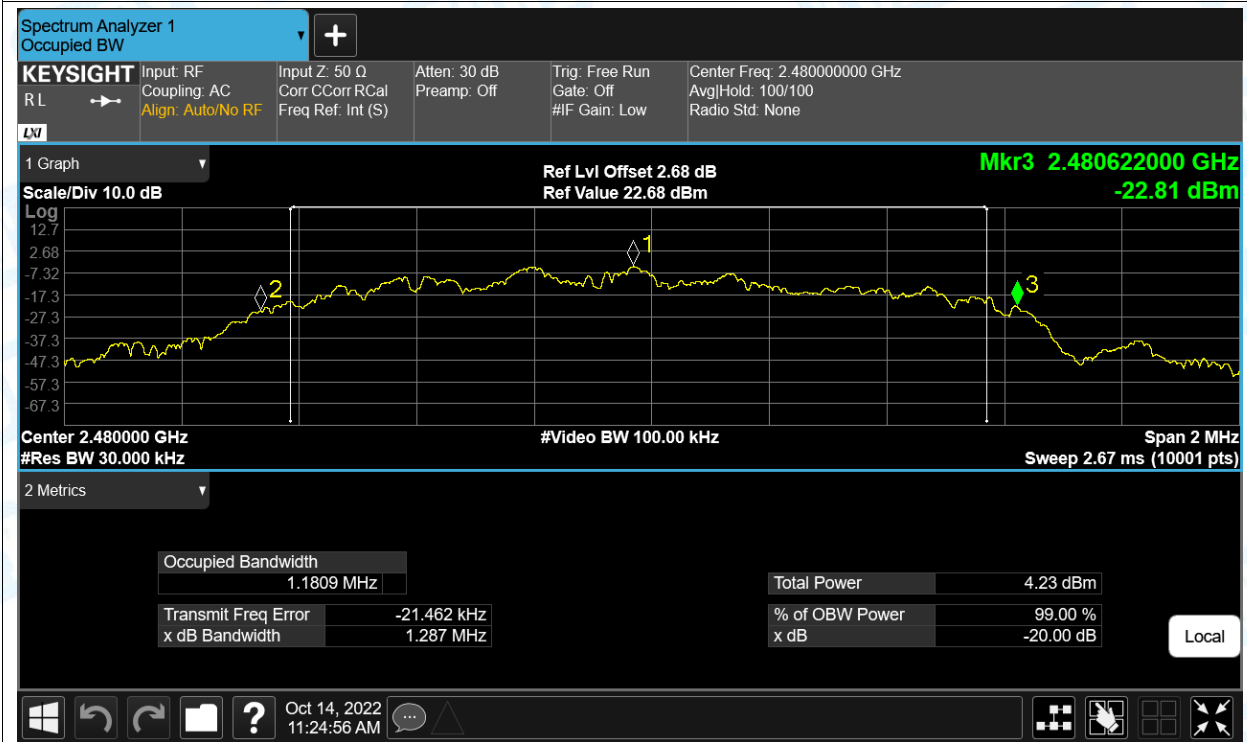
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1

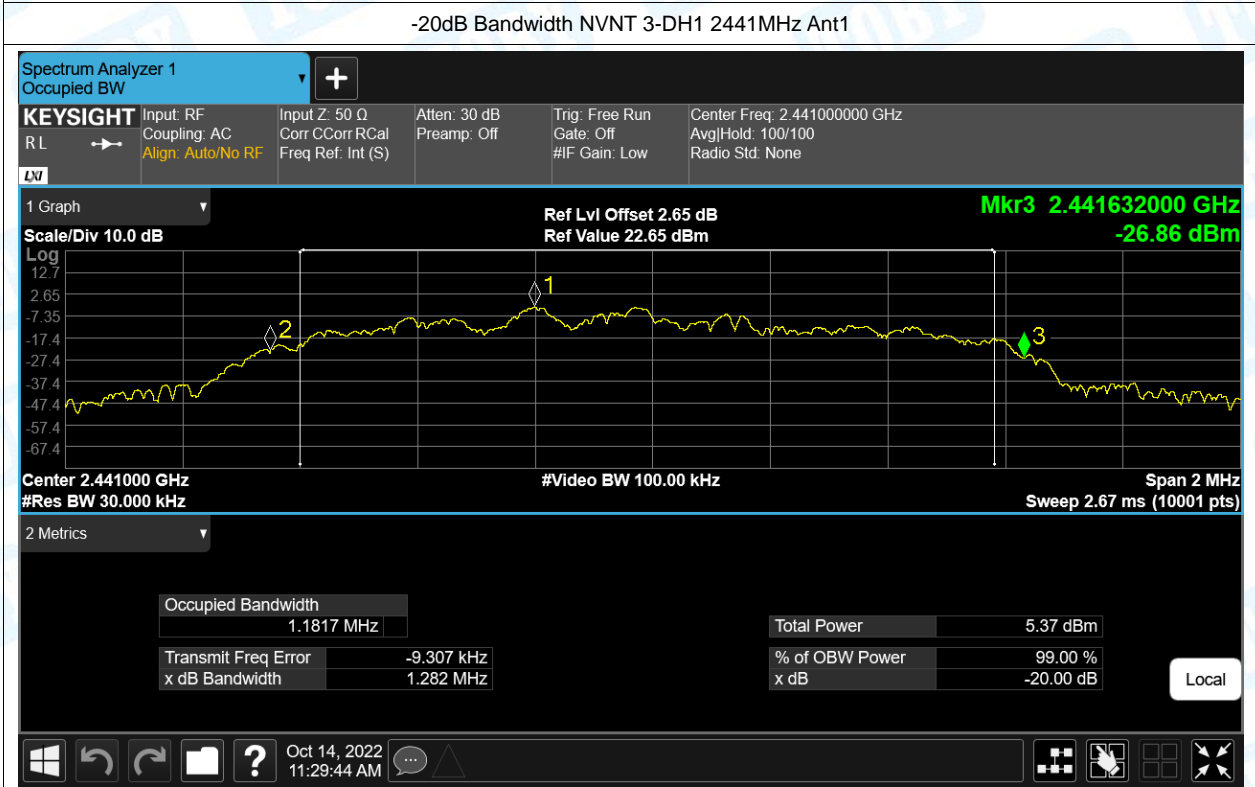
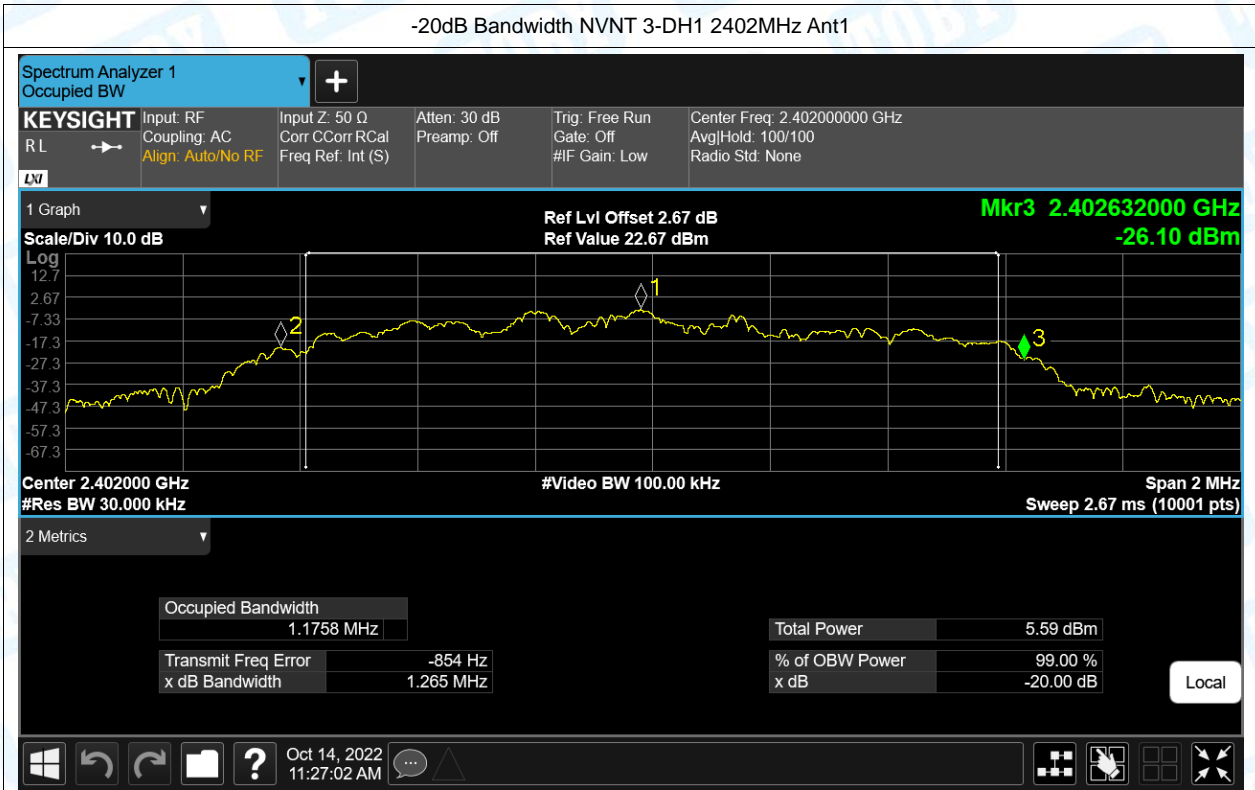


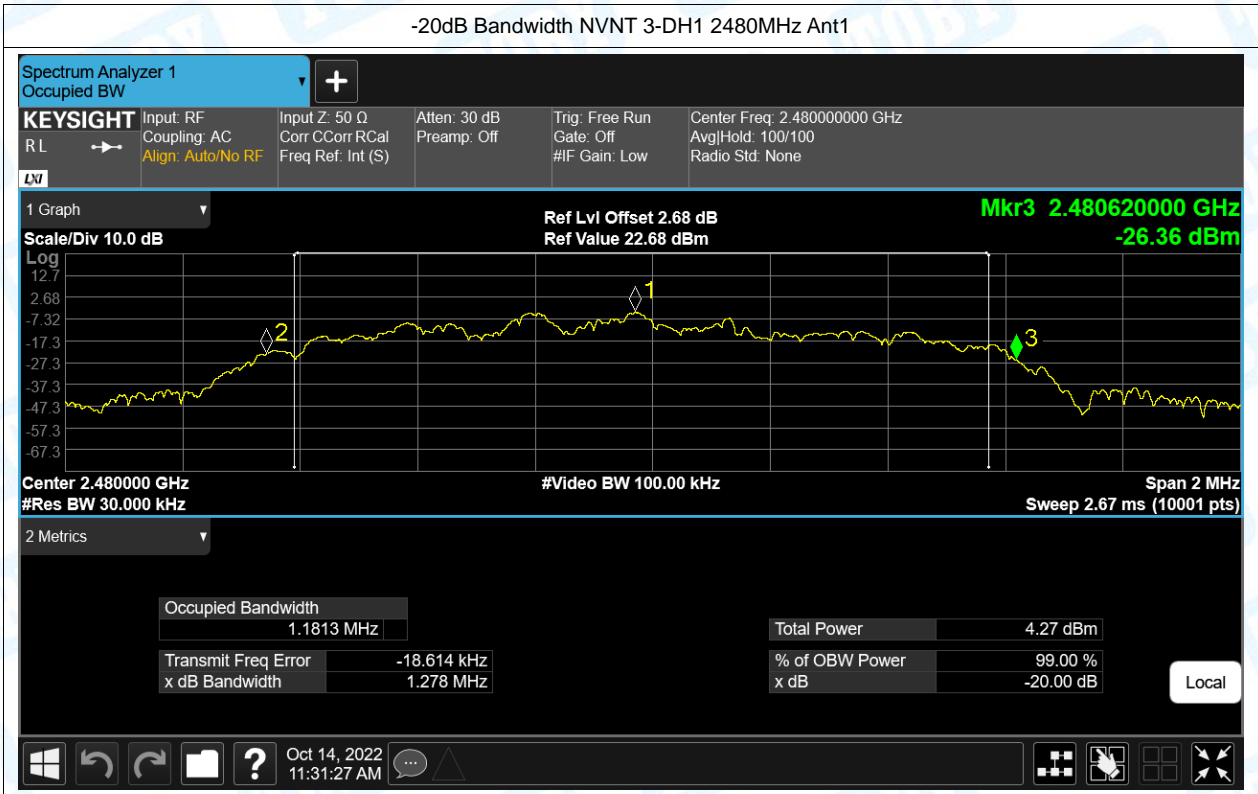
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1





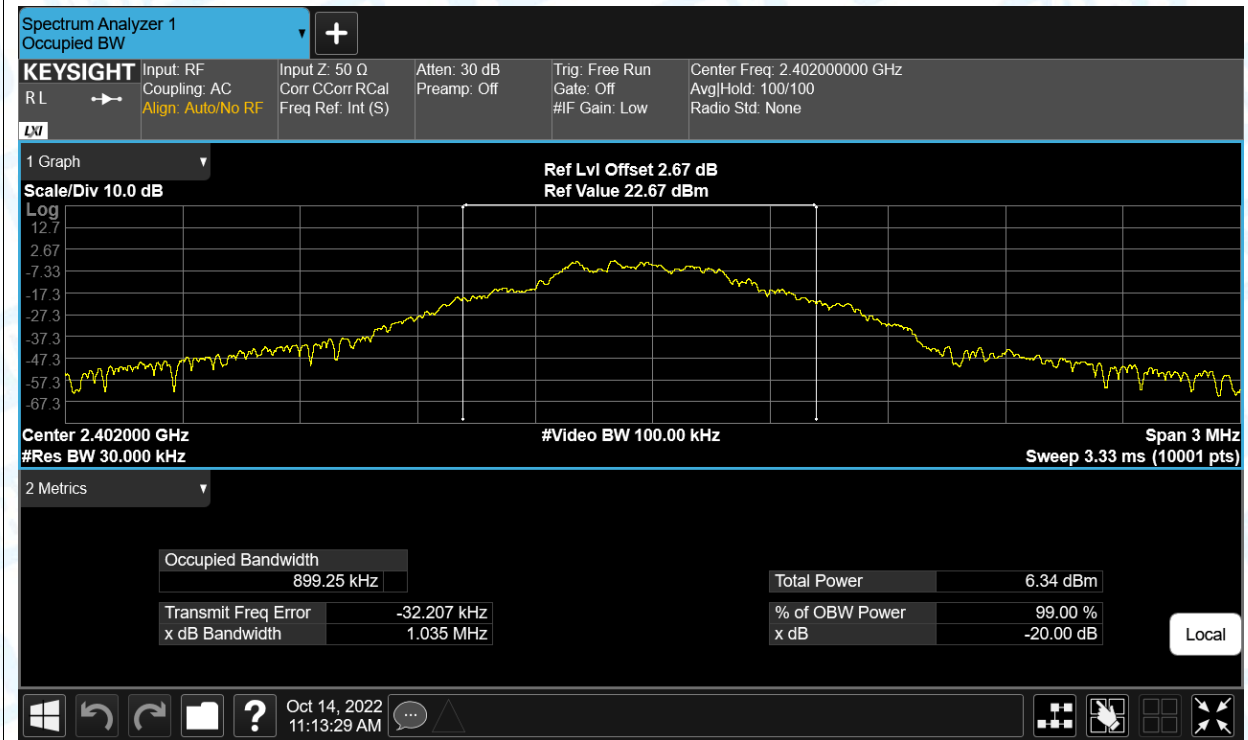


4. Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.899
NVNT	1-DH1	2441	Ant1	0.926
NVNT	1-DH1	2480	Ant1	0.916
NVNT	2-DH1	2402	Ant1	1.194
NVNT	2-DH1	2441	Ant1	1.19
NVNT	2-DH1	2480	Ant1	1.197
NVNT	3-DH1	2402	Ant1	1.183
NVNT	3-DH1	2441	Ant1	1.186
NVNT	3-DH1	2480	Ant1	1.174

Test Graphs

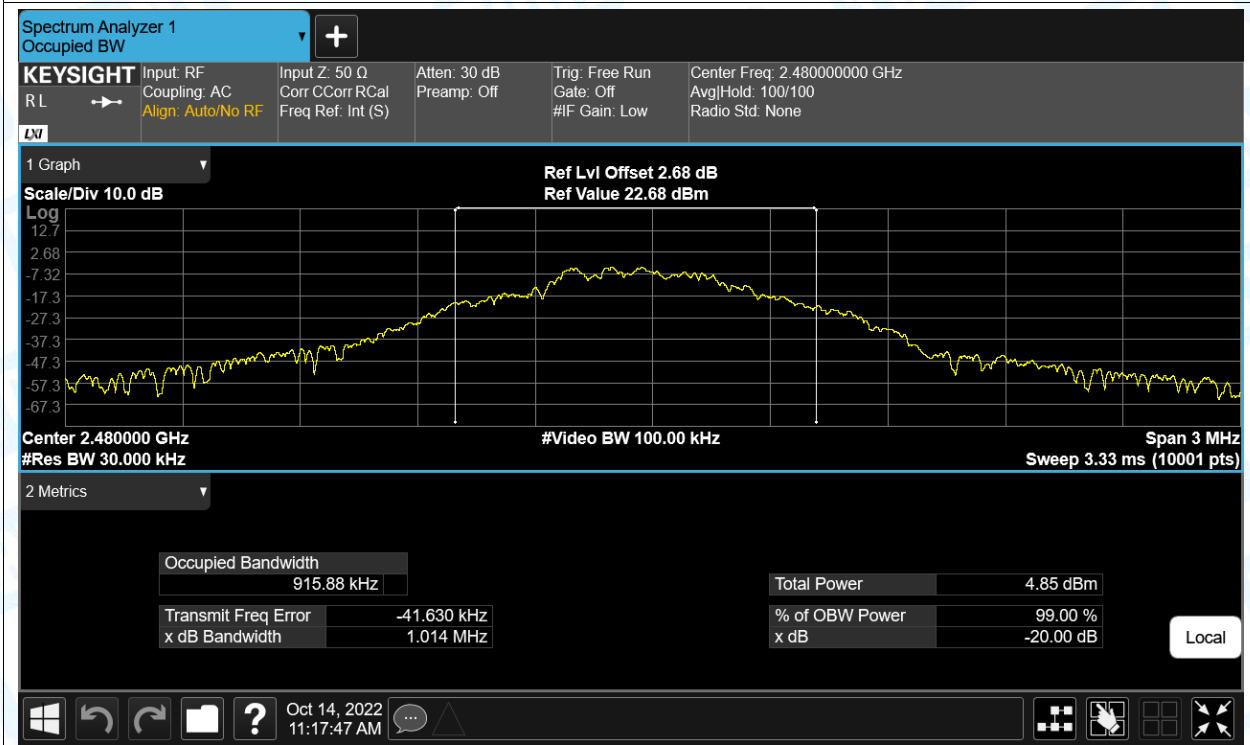
OBW NVNT 1-DH1 2402MHz Ant1



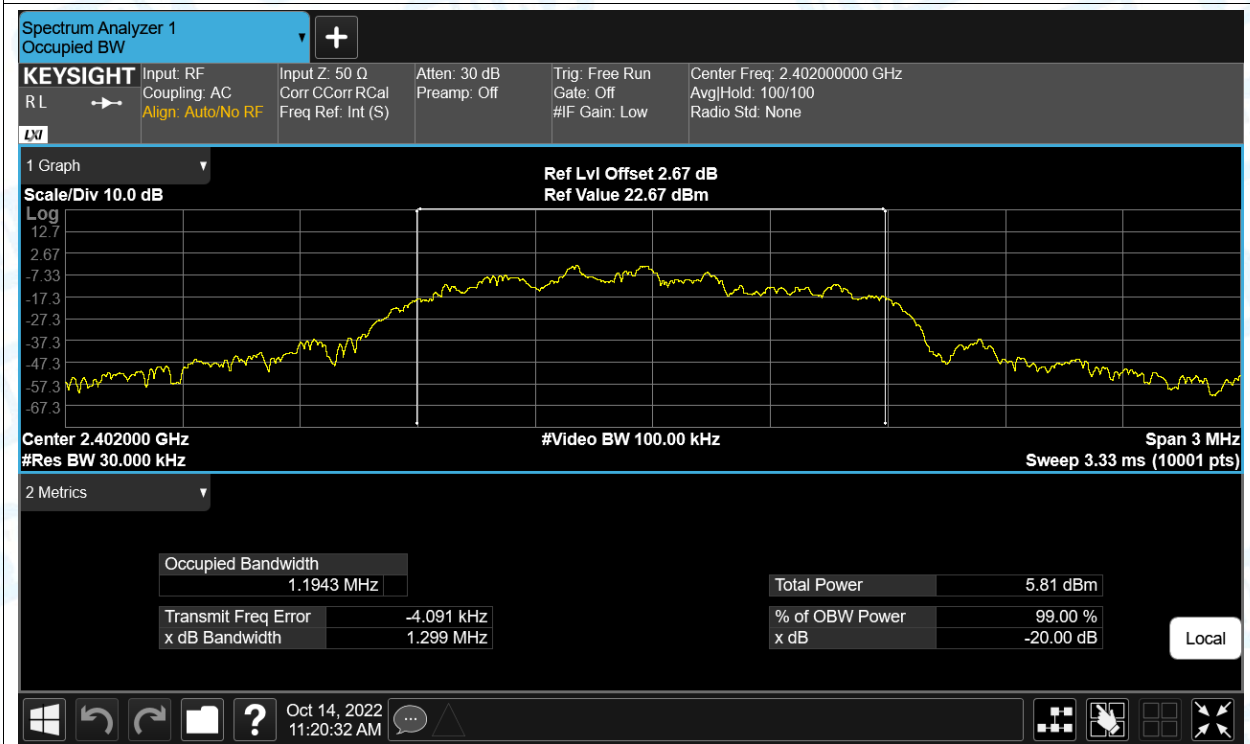
OBW NVNT 1-DH1 2441MHz Ant1



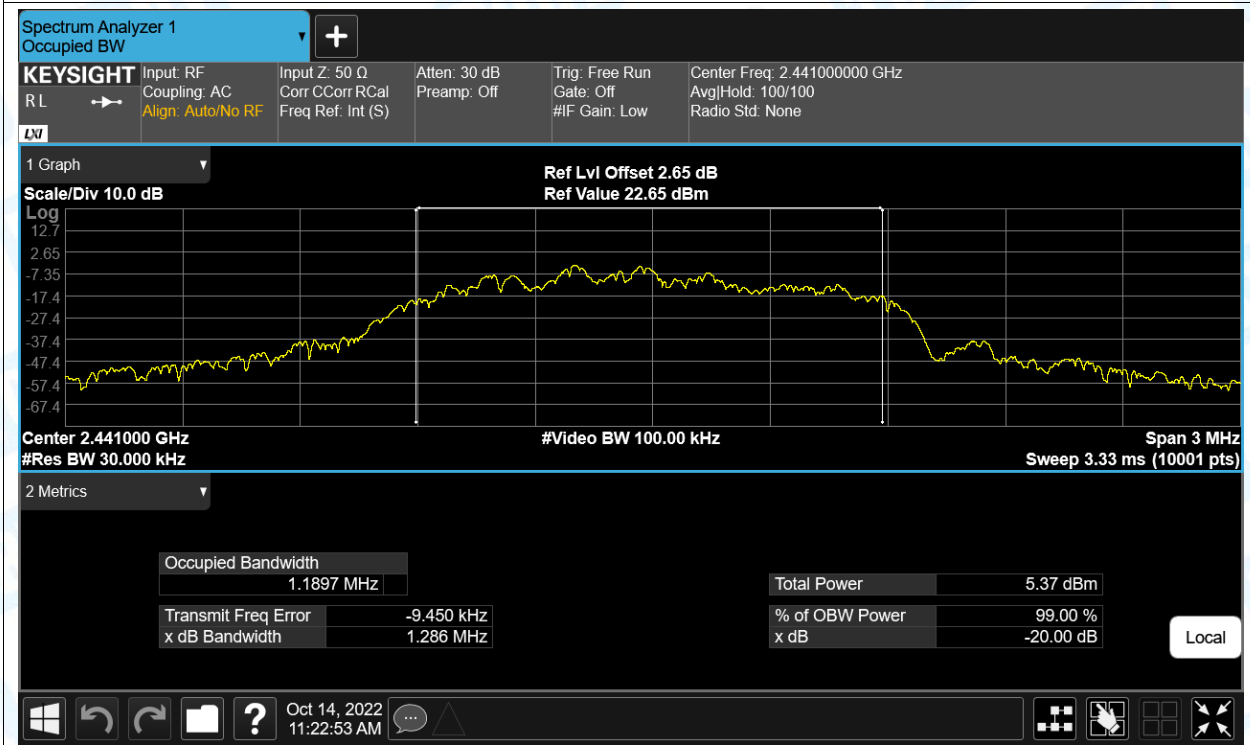
OBW NVNT 1-DH1 2480MHz Ant1



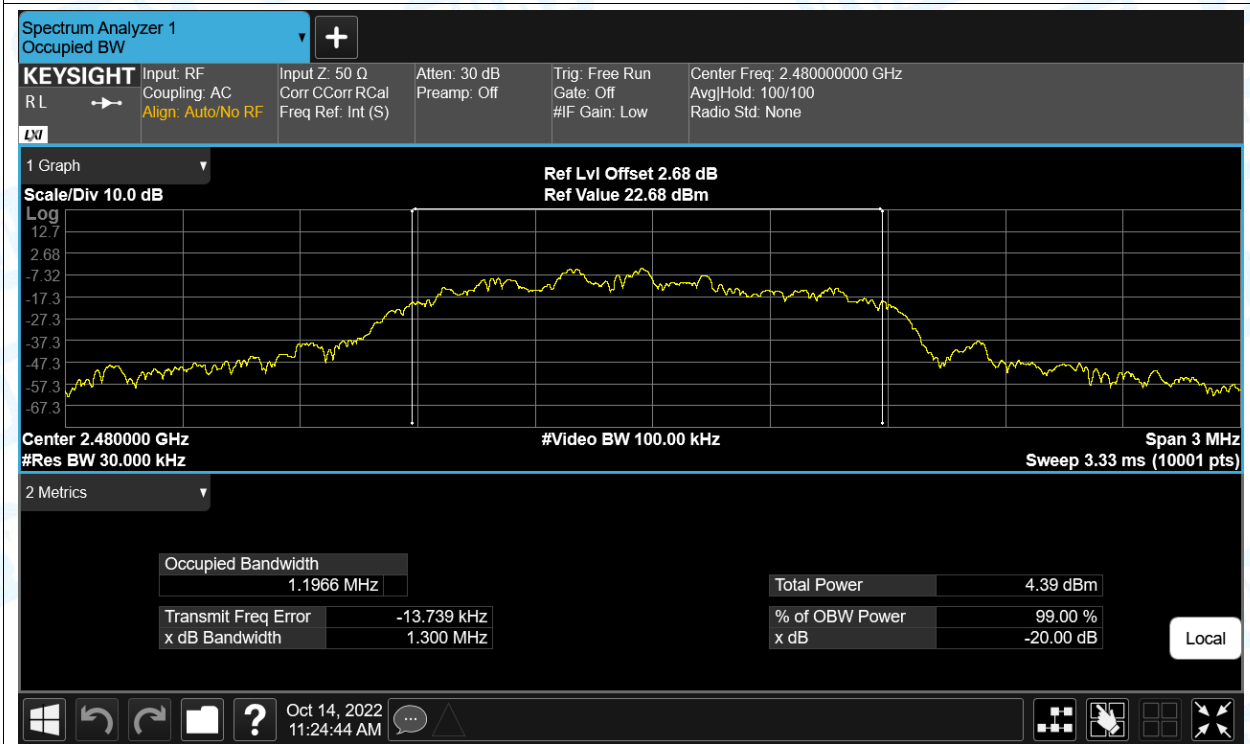
OBW NVNT 2-DH1 2402MHz Ant1



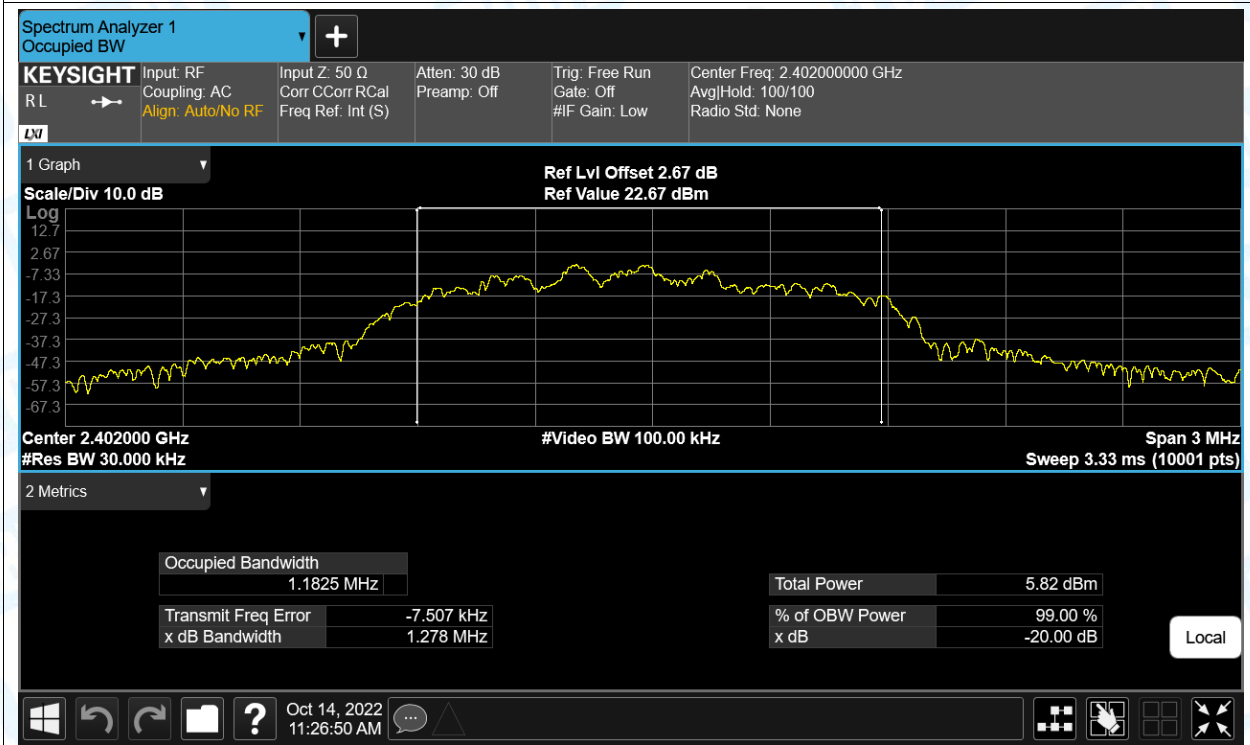
OBW NVNT 2-DH1 2441MHz Ant1



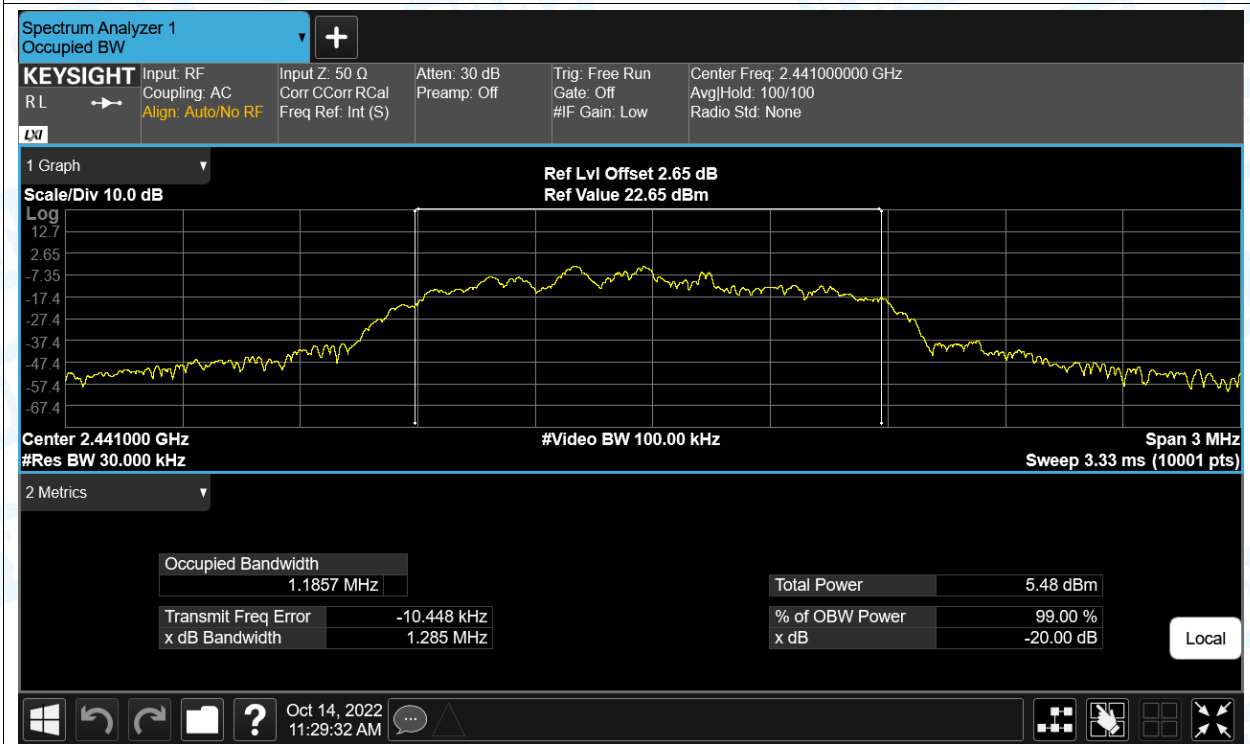
OBW NVNT 2-DH1 2480MHz Ant1

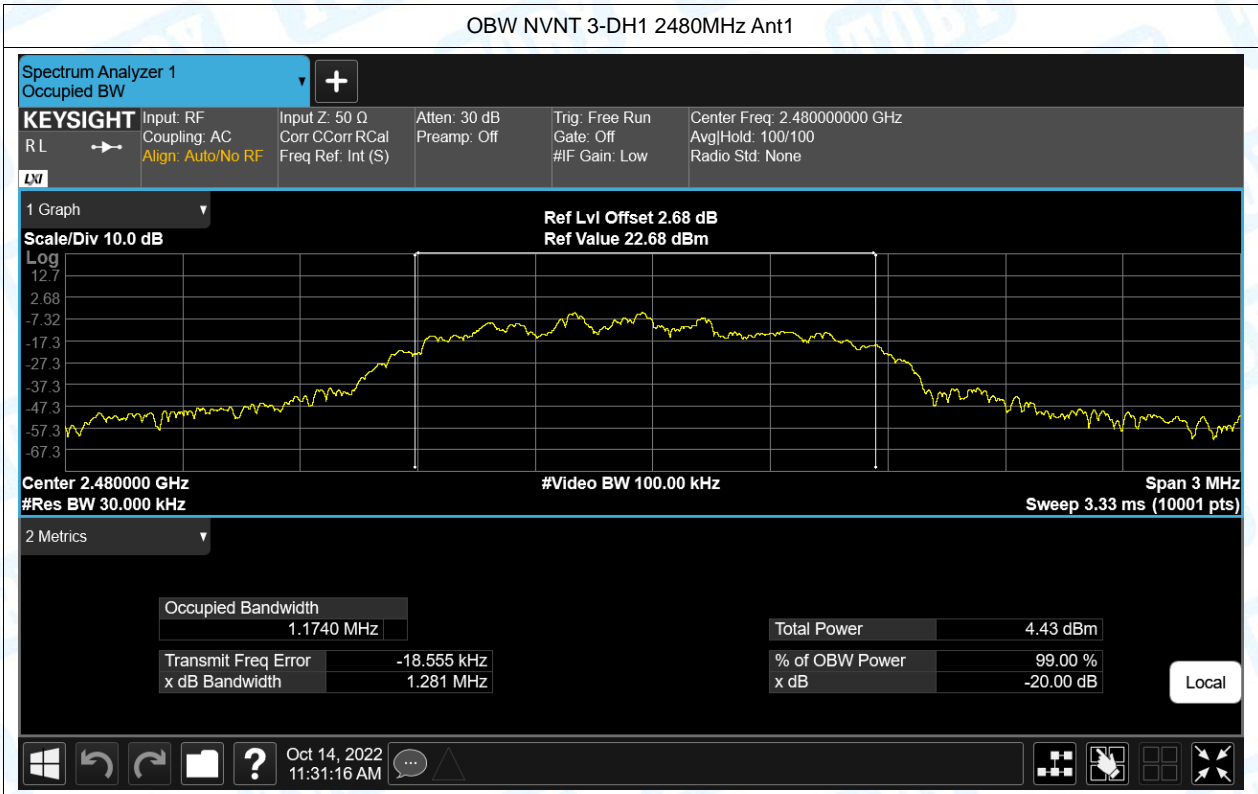


OBW NVNT 3-DH1 2402MHz Ant1



OBW NVNT 3-DH1 2441MHz Ant1



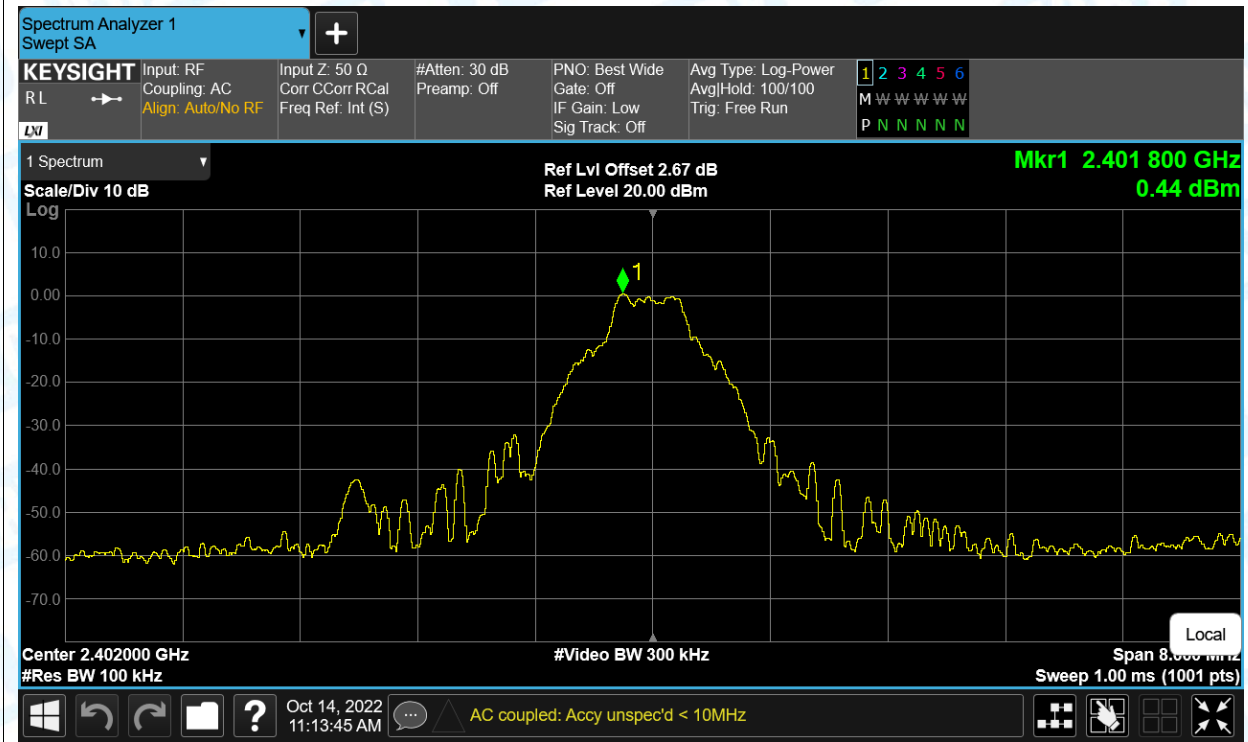


5. Band Edge

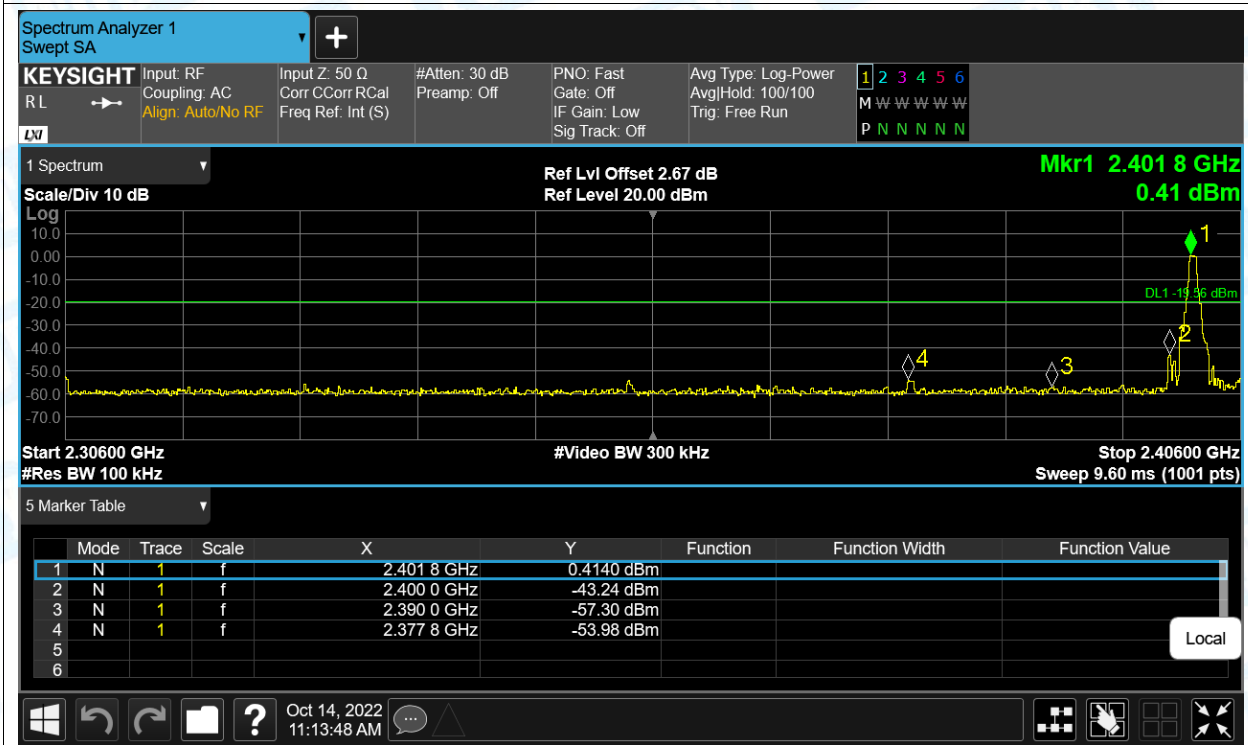
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-54.42	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-55.38	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-54.42	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-54	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-54.39	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-55.7	-20	Pass

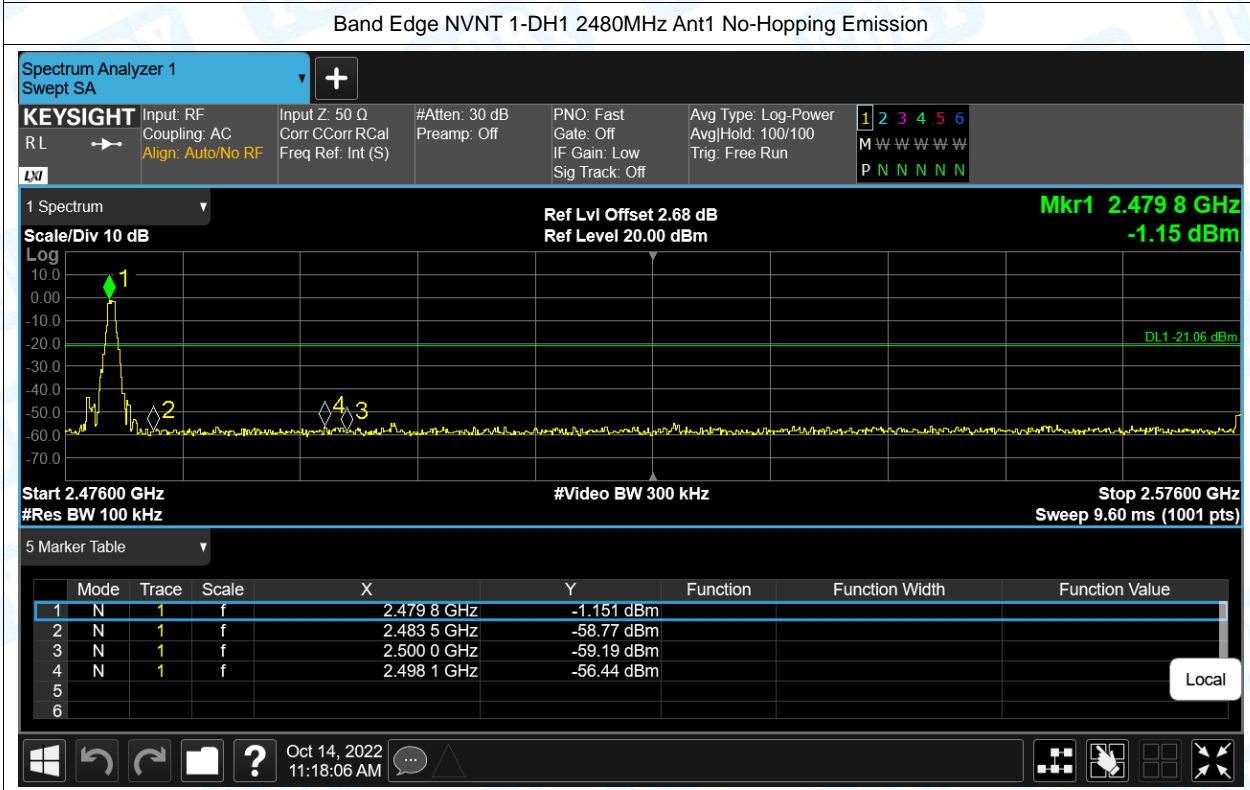
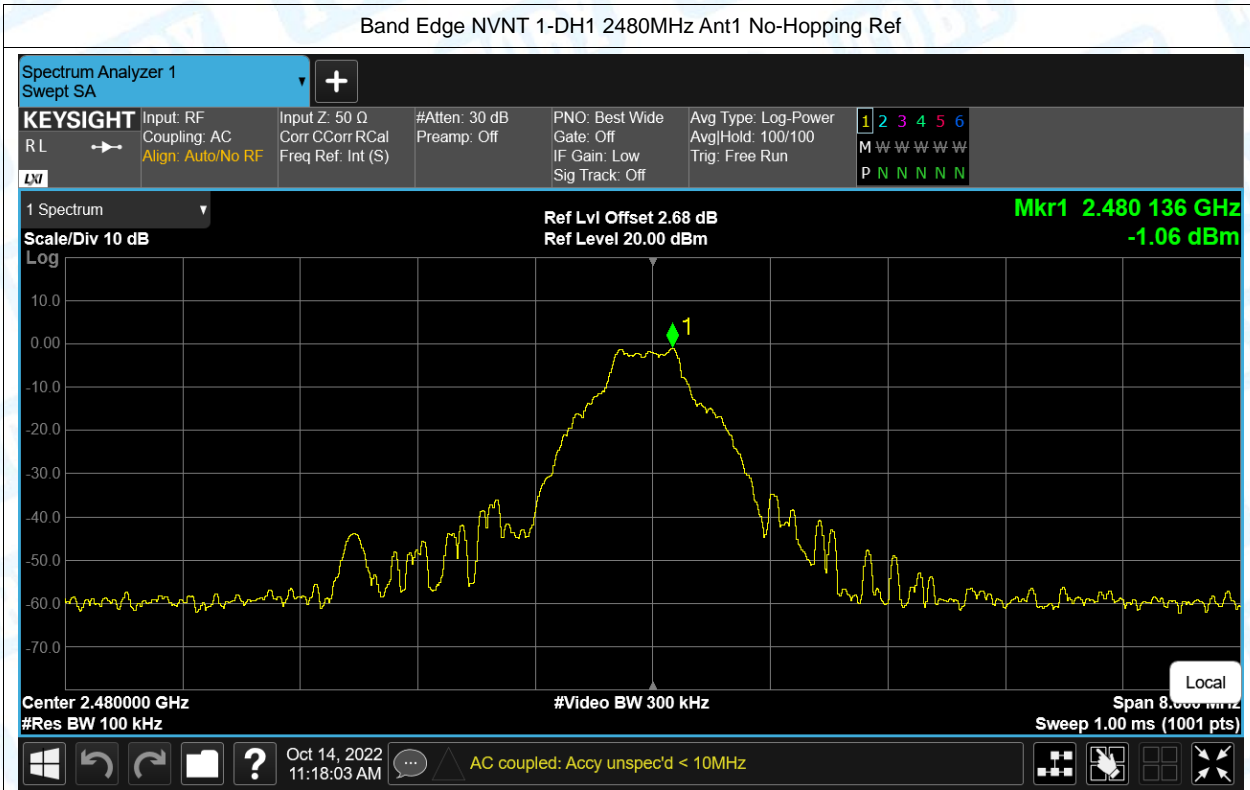
Test Graphs

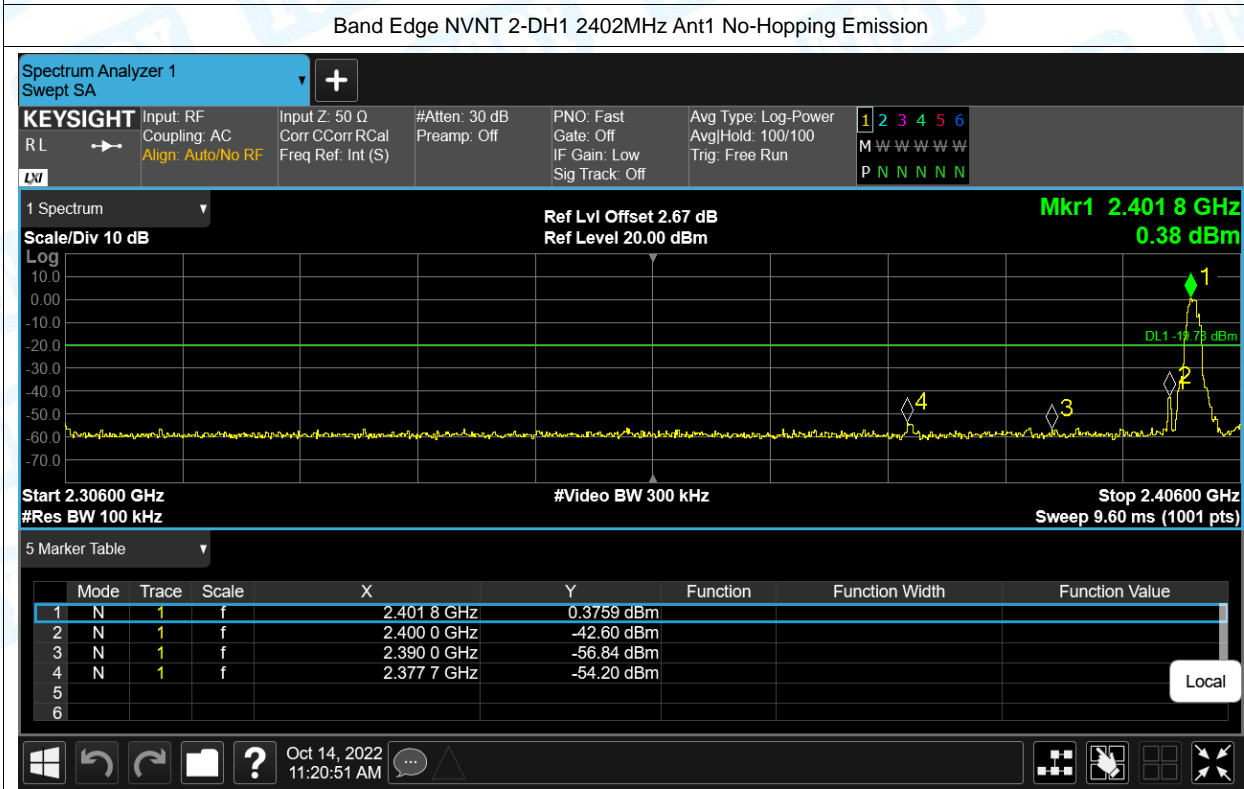
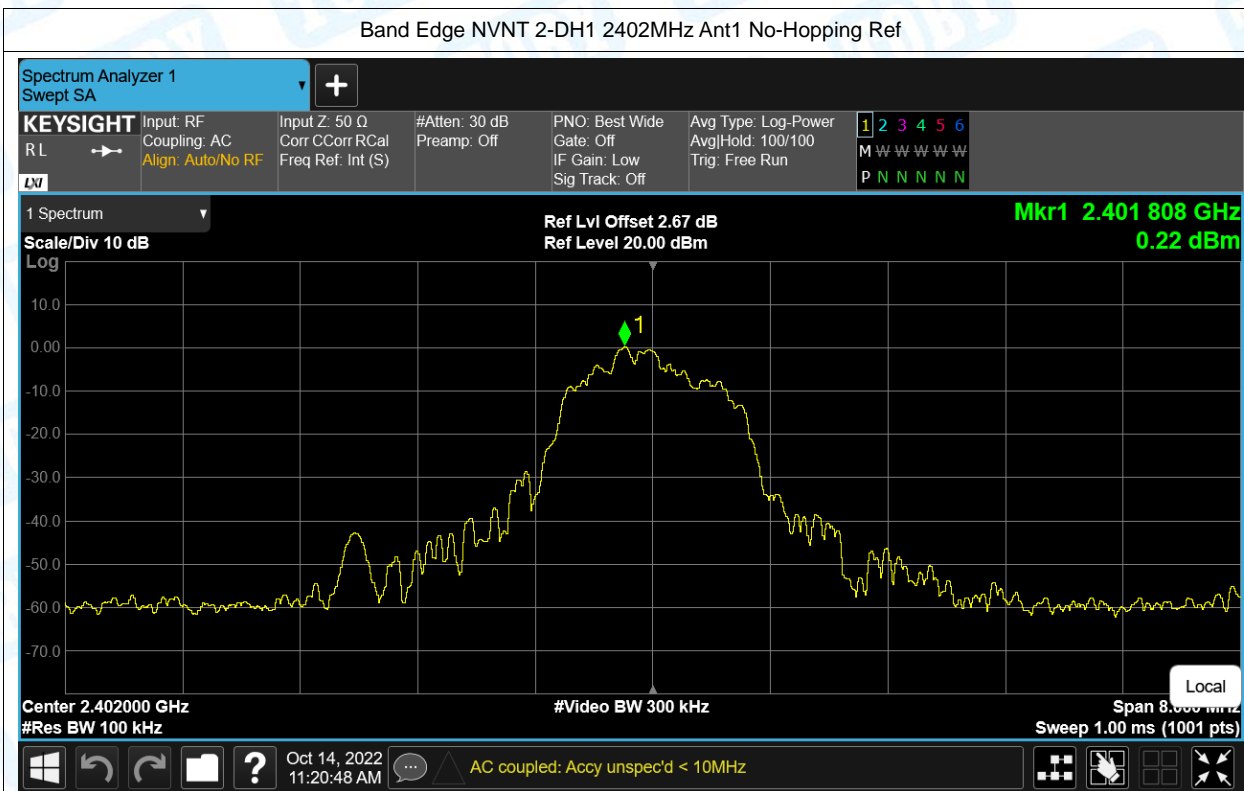
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref

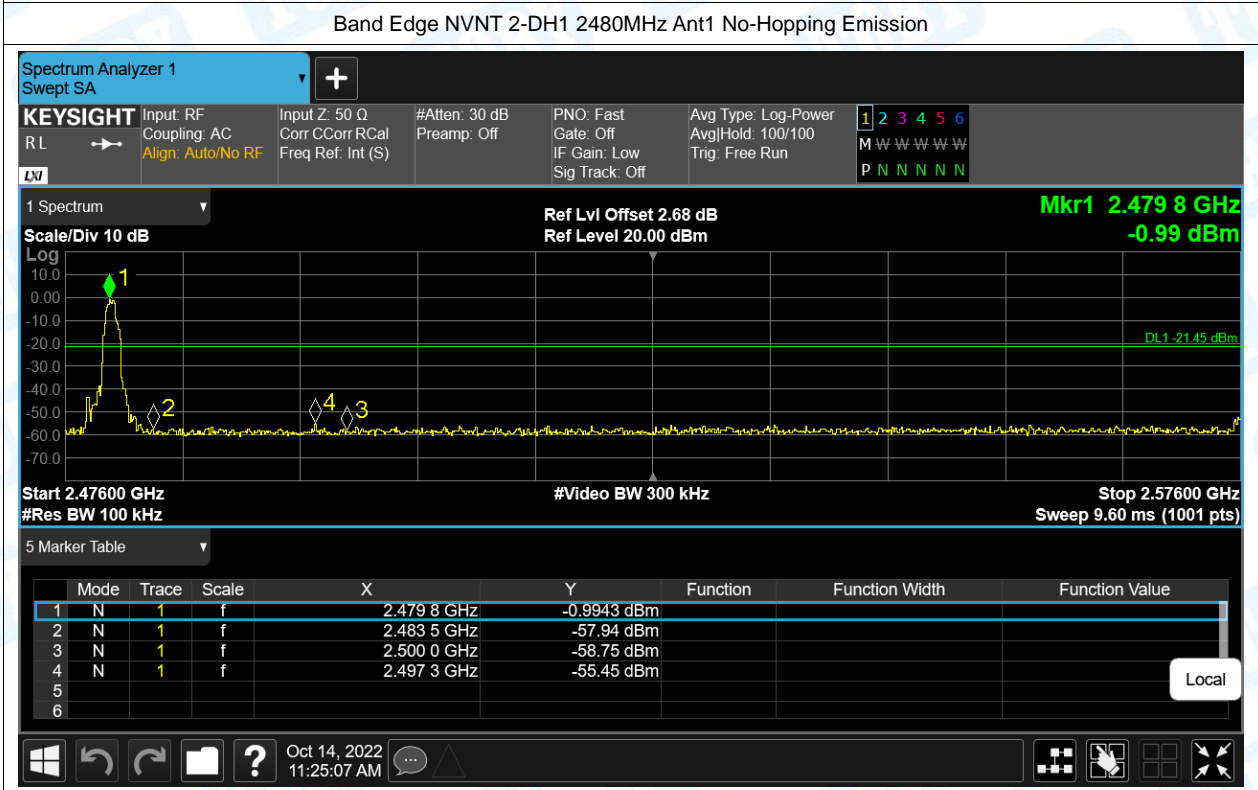
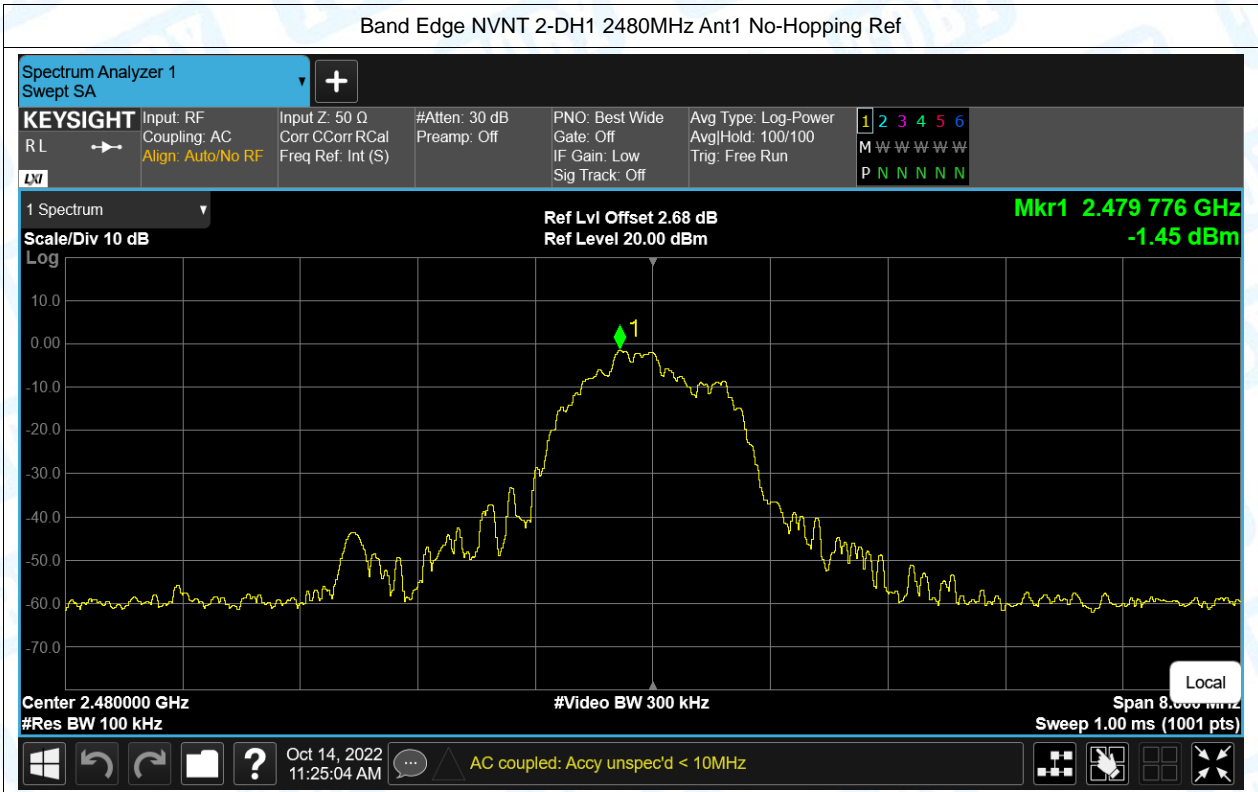


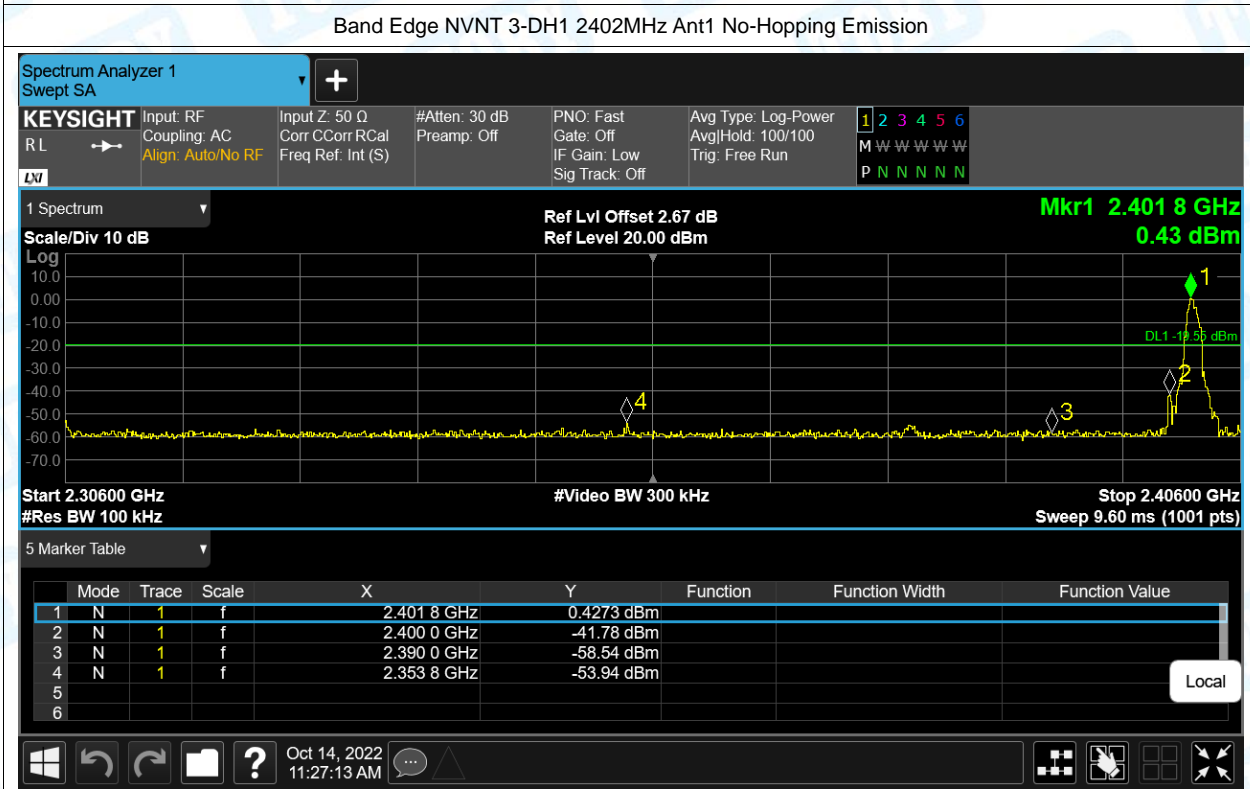
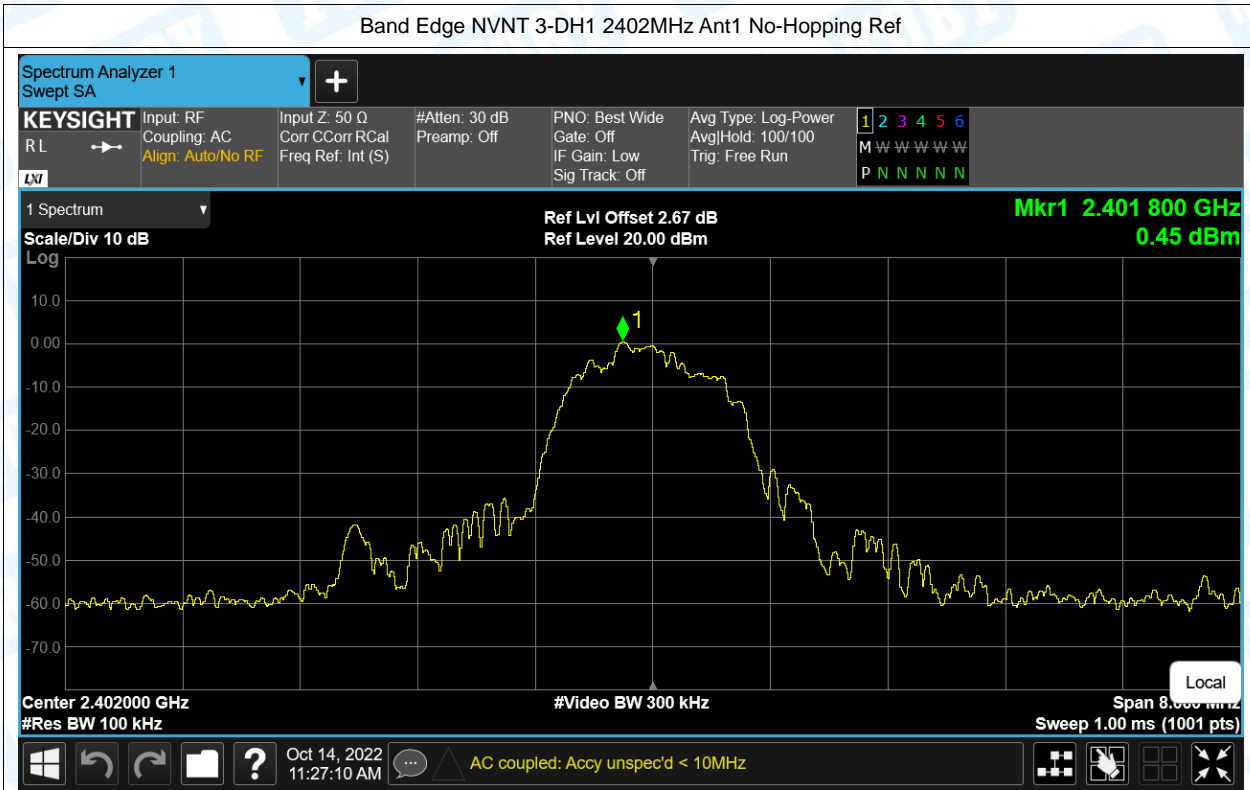
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission

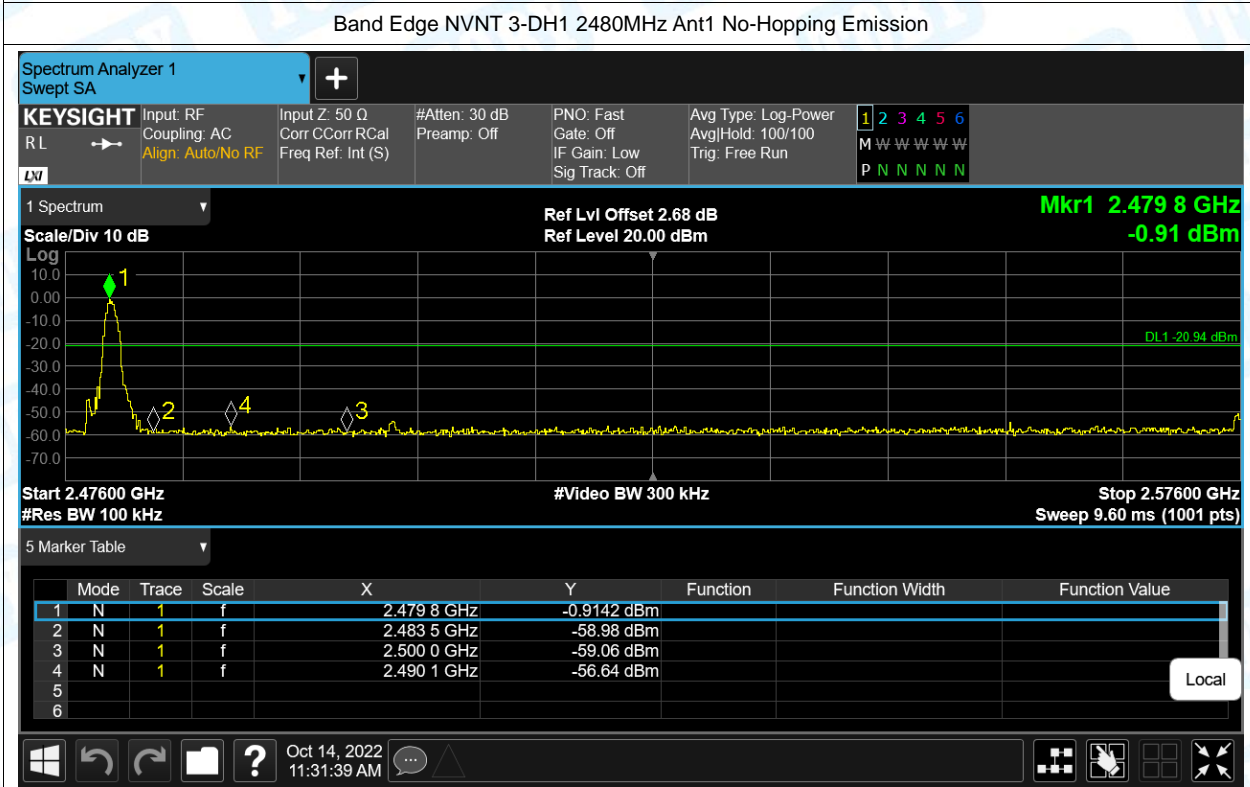
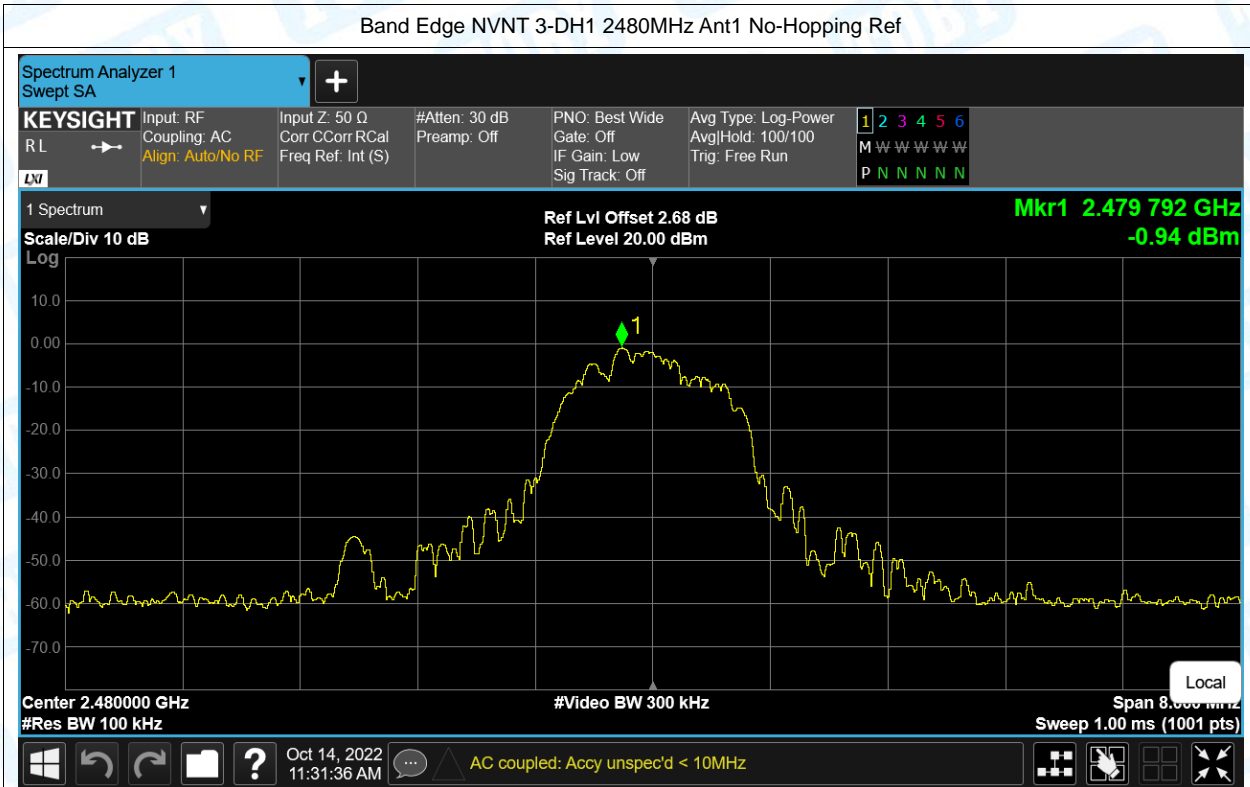










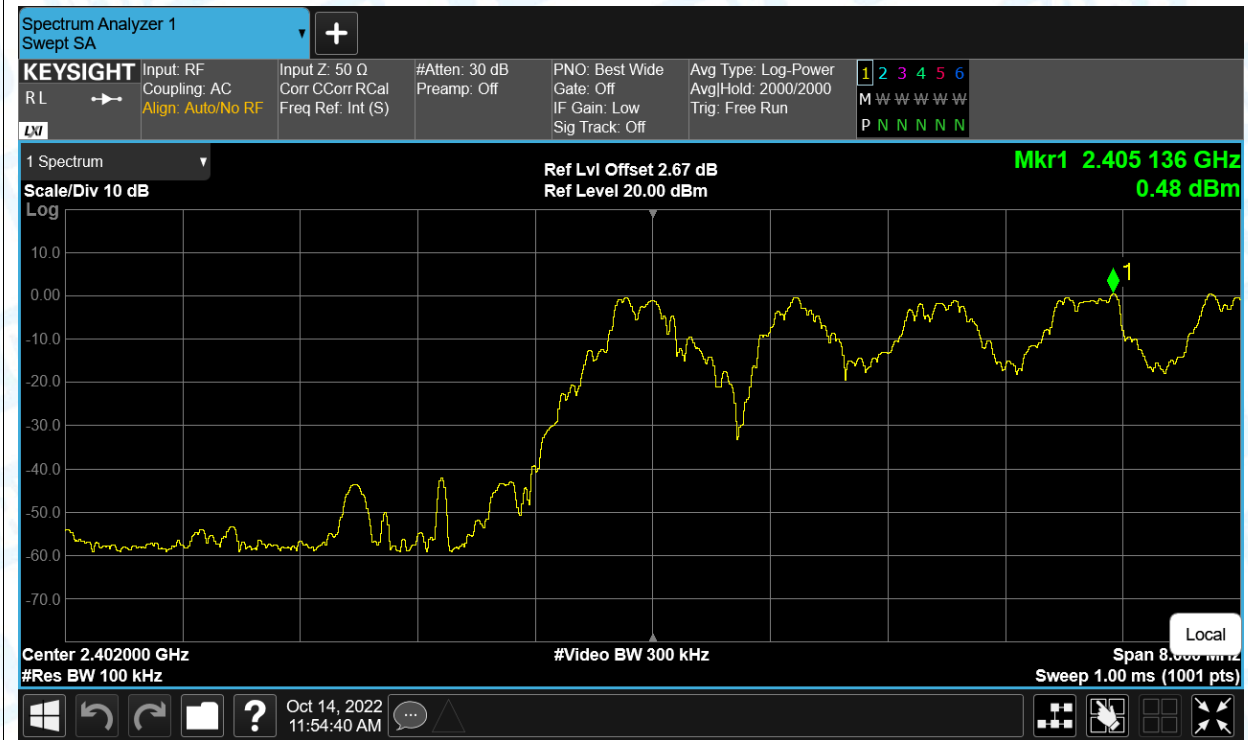


6. Band Edge(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-50.16	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-47.1	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-50.37	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-45.71	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-49.89	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-46.96	-20	Pass

Test Graphs

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



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

