

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

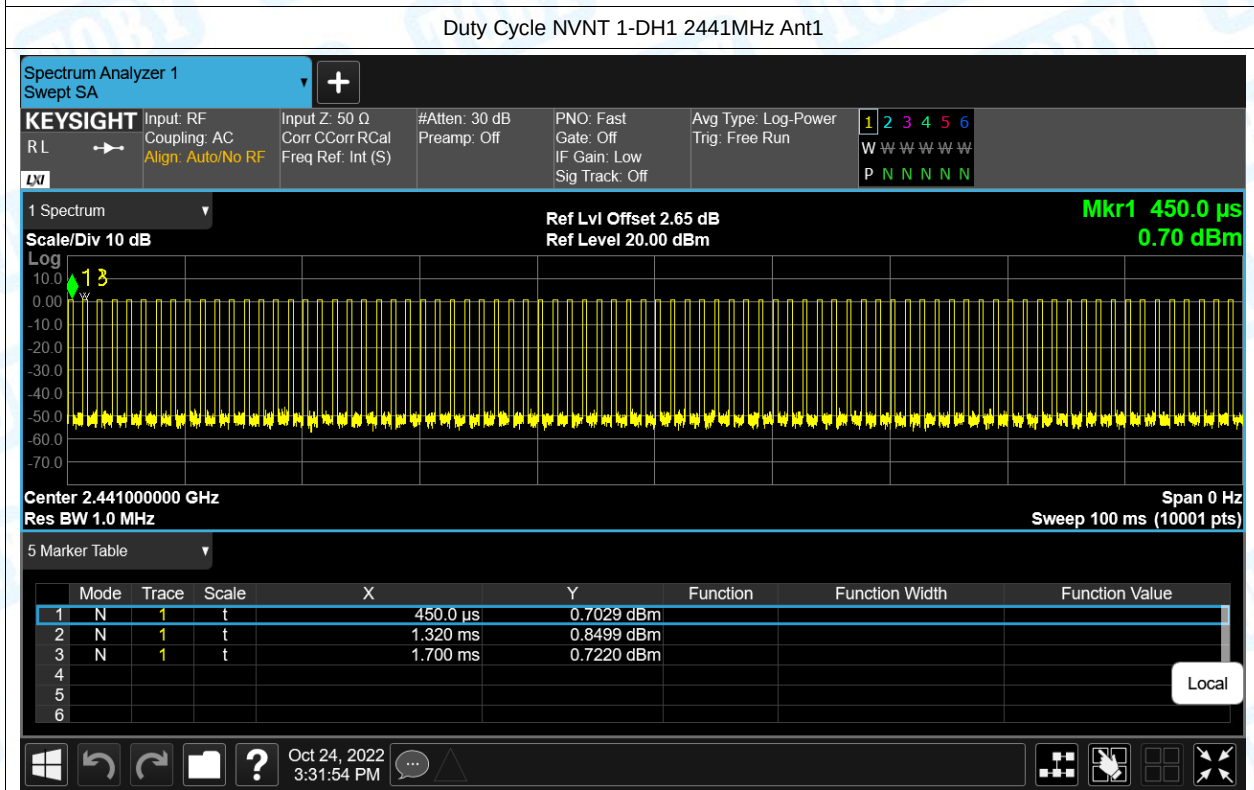
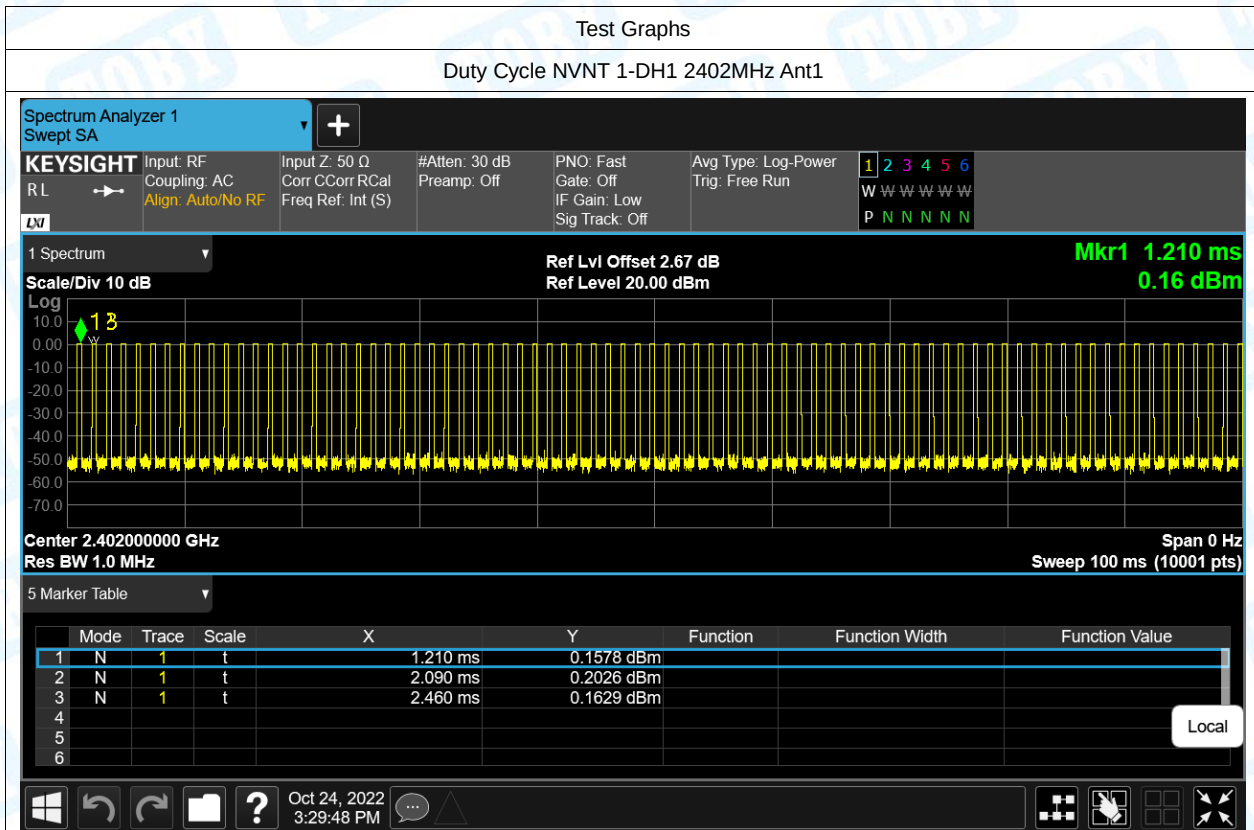
General Description of EUT	
Product Name:	Watch Ultra
Test Model:	Watch Ultra
Sample ID:	202210-0109-03_2
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 3.7V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202210-0109-3	

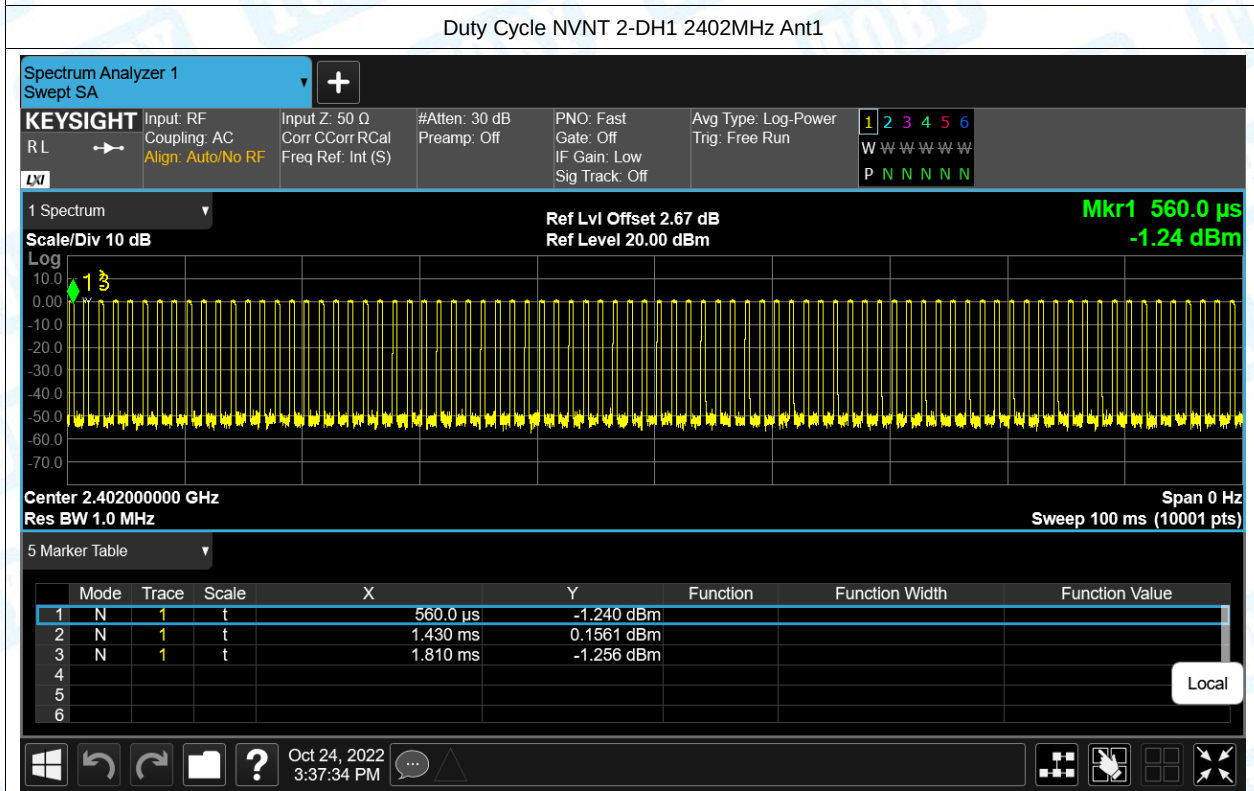
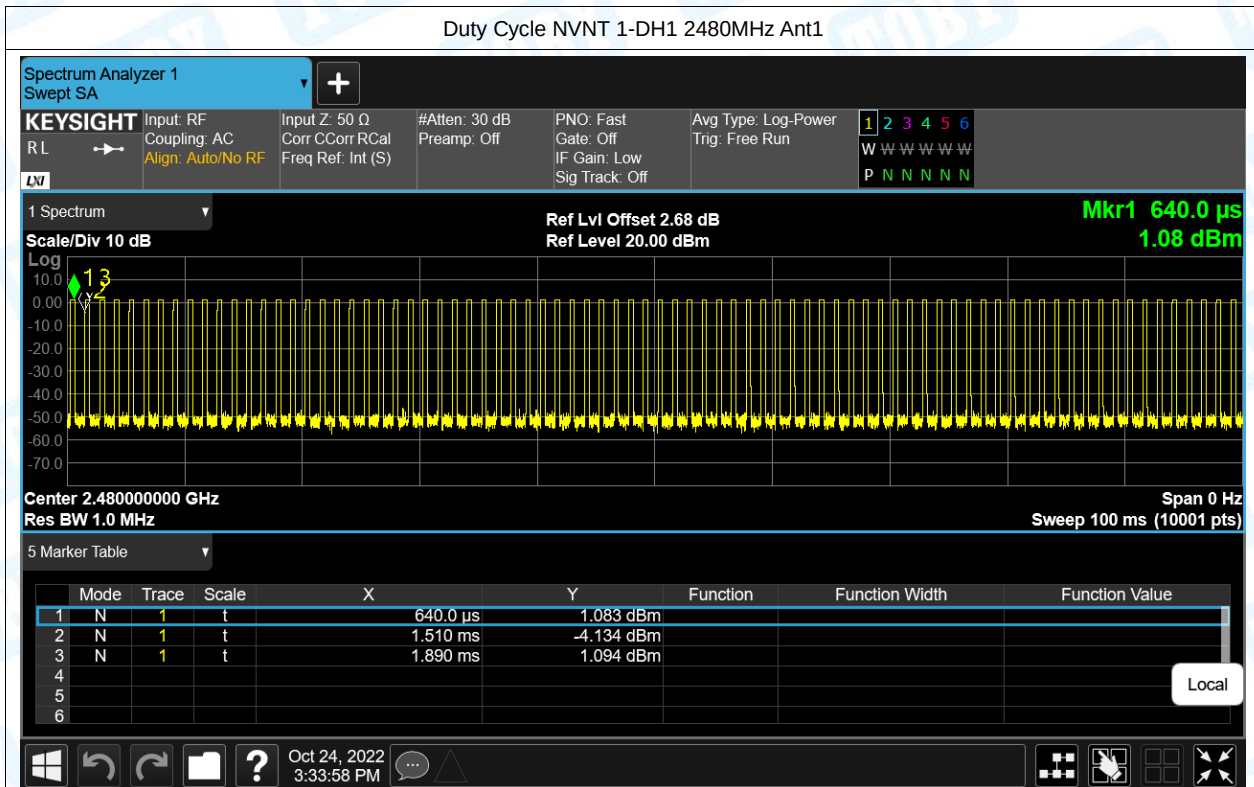
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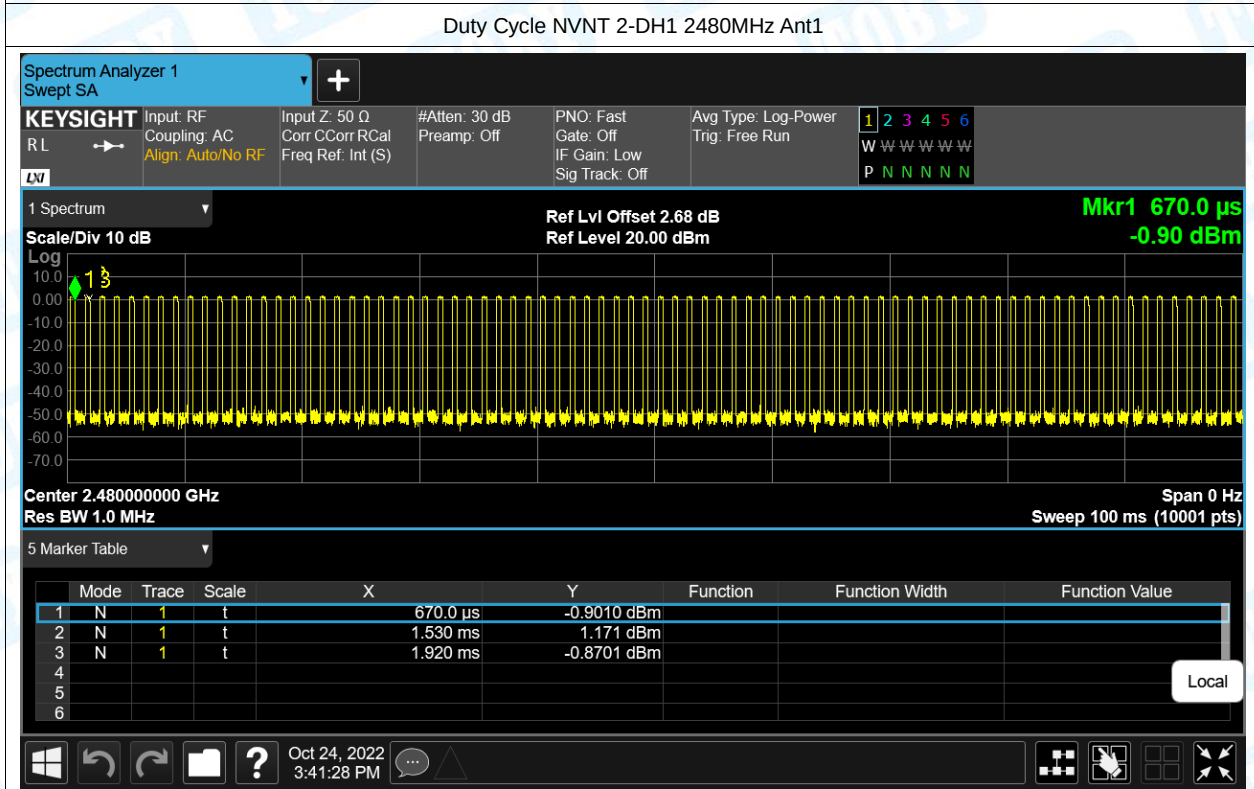
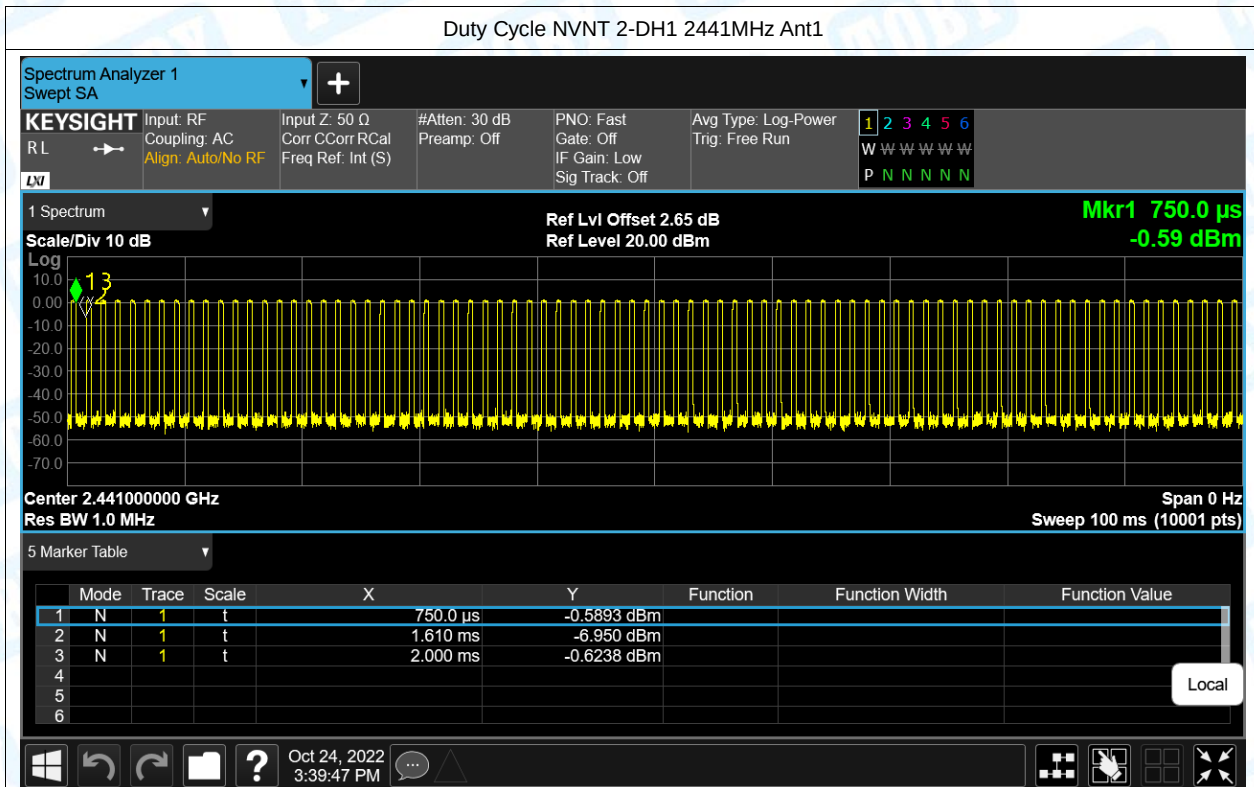
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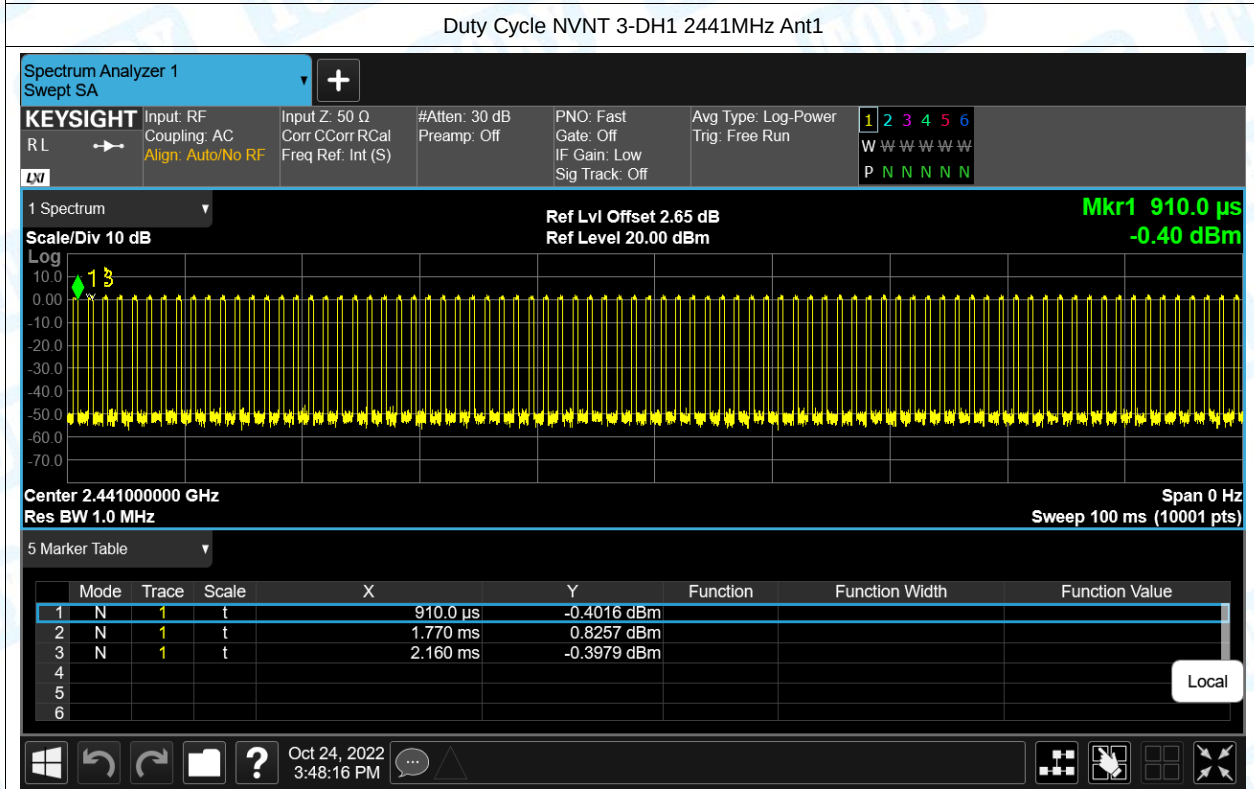
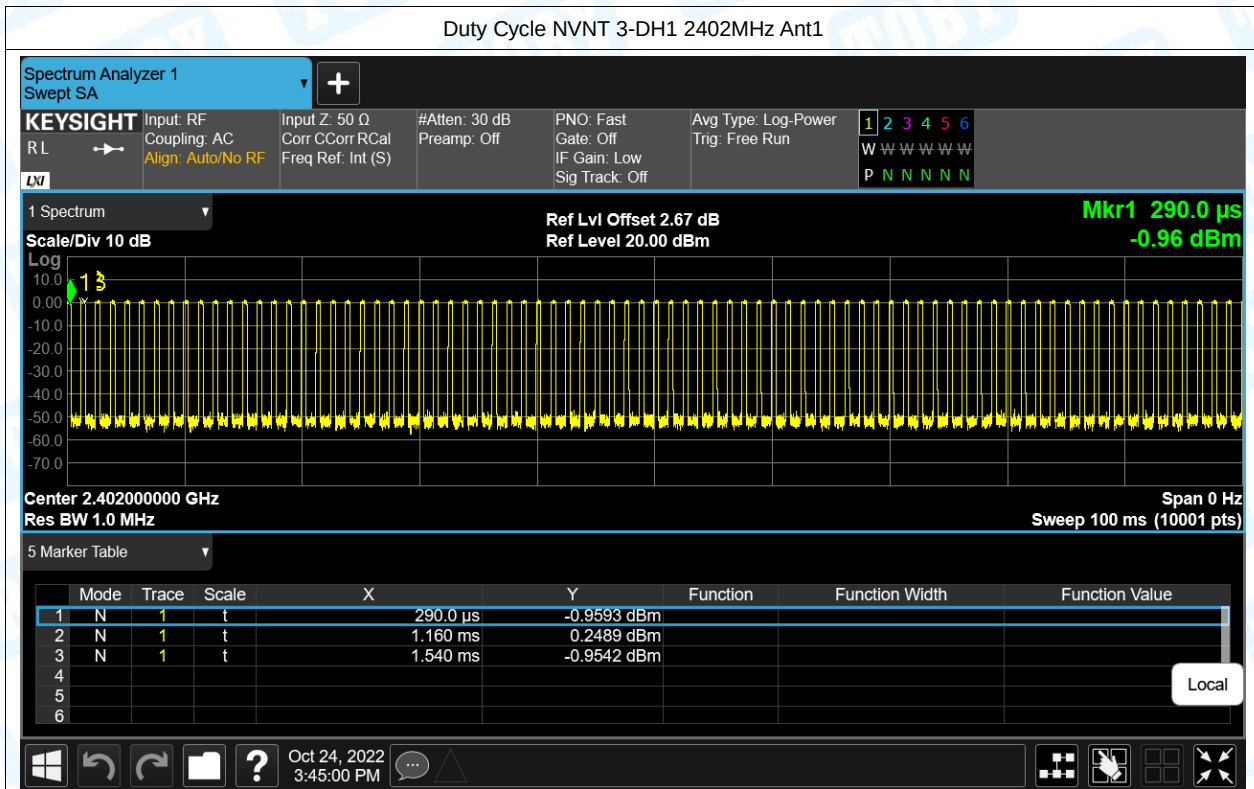
1. Duty Cycle

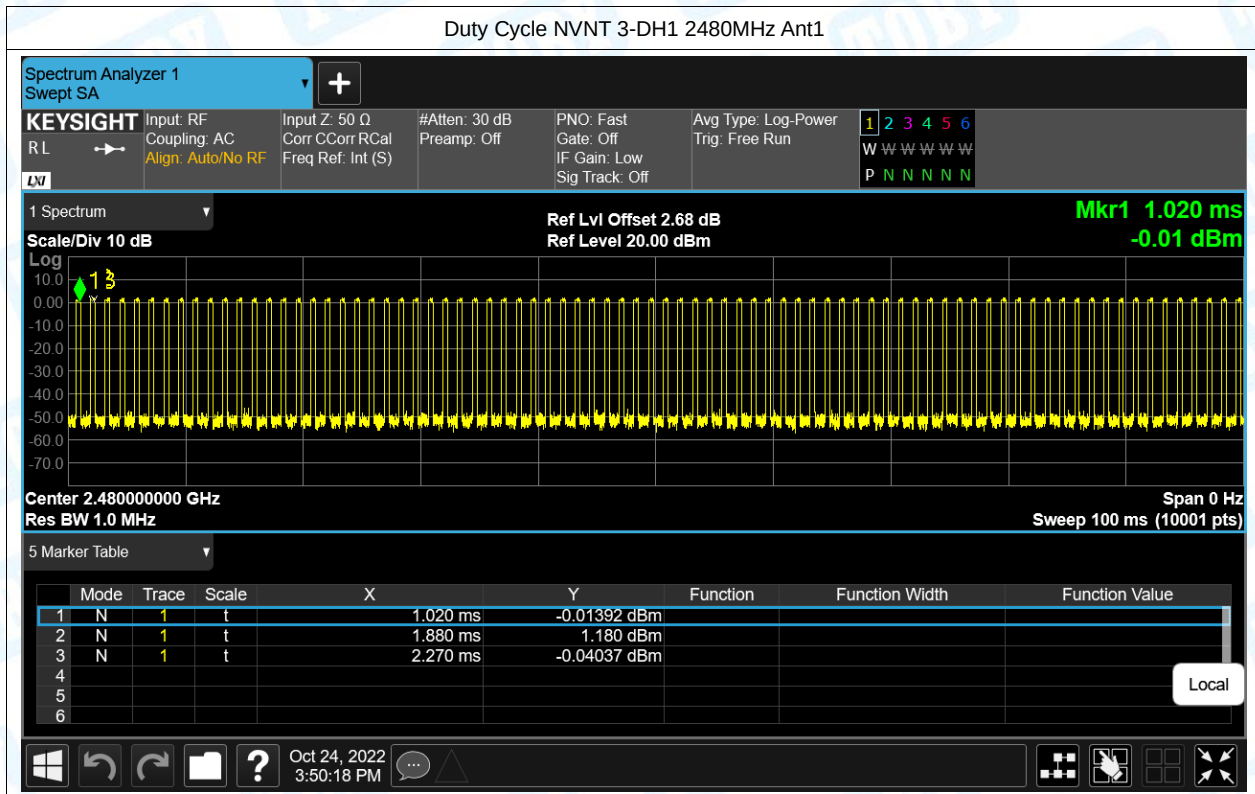
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH1	2402	Ant1	29.6	5.29	2.7
NVNT	1-DH1	2441	Ant1	30.4	5.17	2.63
NVNT	1-DH1	2480	Ant1	30.4	5.17	2.63
NVNT	2-DH1	2402	Ant1	30.4	5.17	2.63
NVNT	2-DH1	2441	Ant1	31.2	5.06	2.56
NVNT	2-DH1	2480	Ant1	31.2	5.06	2.56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

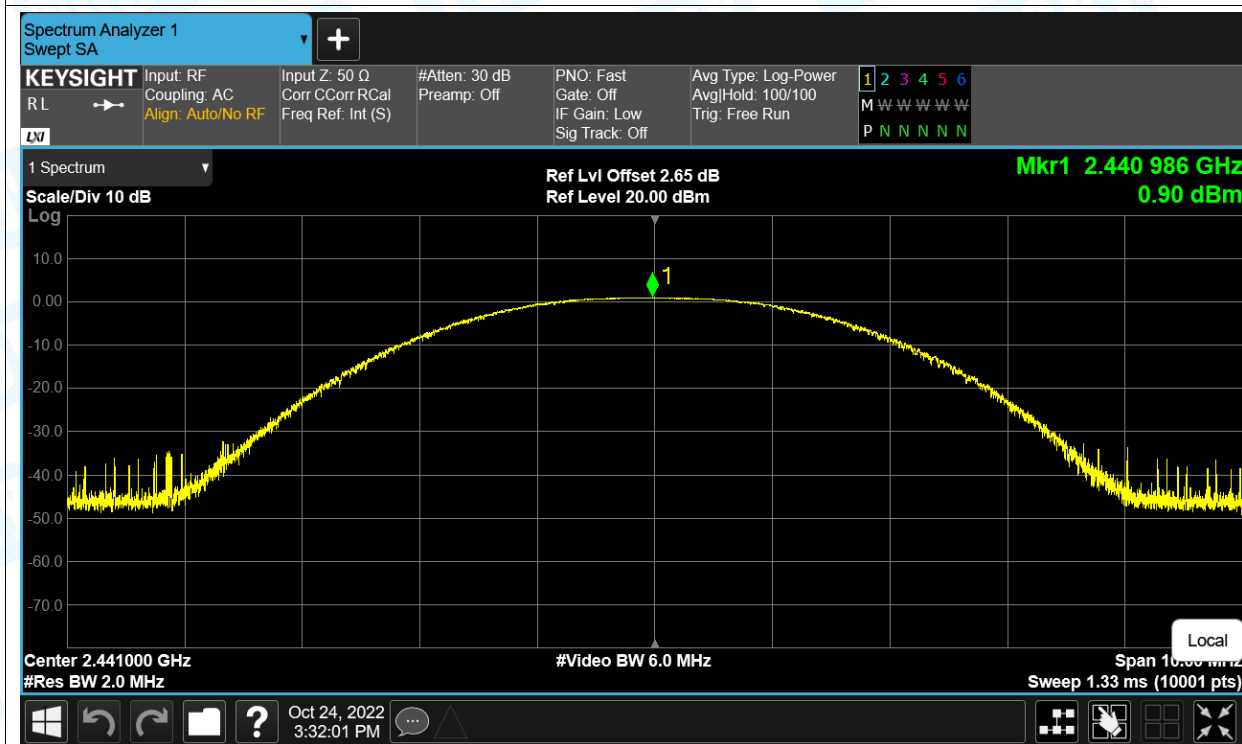
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	0.316	21	Pass
NVNT	1-DH1	2441	Ant1	0.905	21	Pass
NVNT	1-DH1	2480	Ant1	1.312	21	Pass
NVNT	2-DH1	2402	Ant1	1.046	21	Pass
NVNT	2-DH1	2441	Ant1	1.604	21	Pass
NVNT	2-DH1	2480	Ant1	1.953	21	Pass
NVNT	3-DH1	2402	Ant1	1.748	21	Pass
NVNT	3-DH1	2441	Ant1	2.222	21	Pass
NVNT	3-DH1	2480	Ant1	2.58	21	Pass

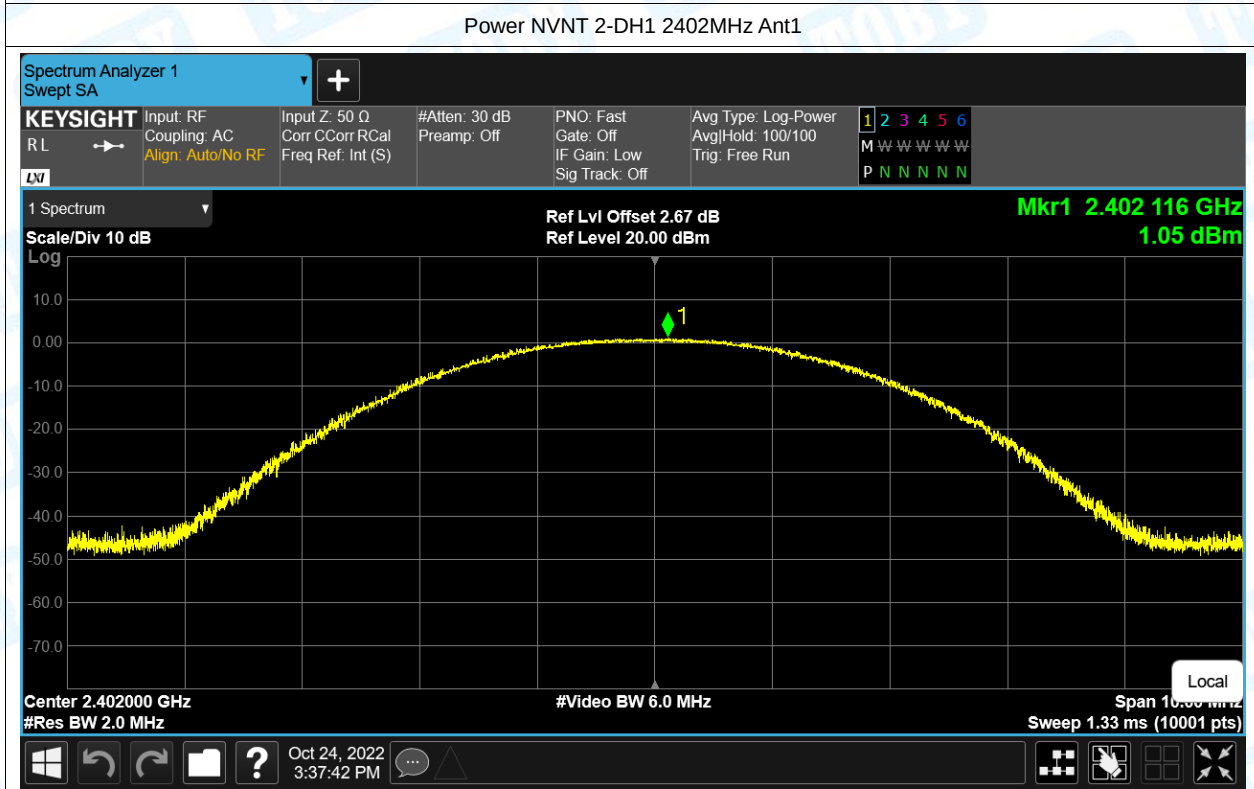
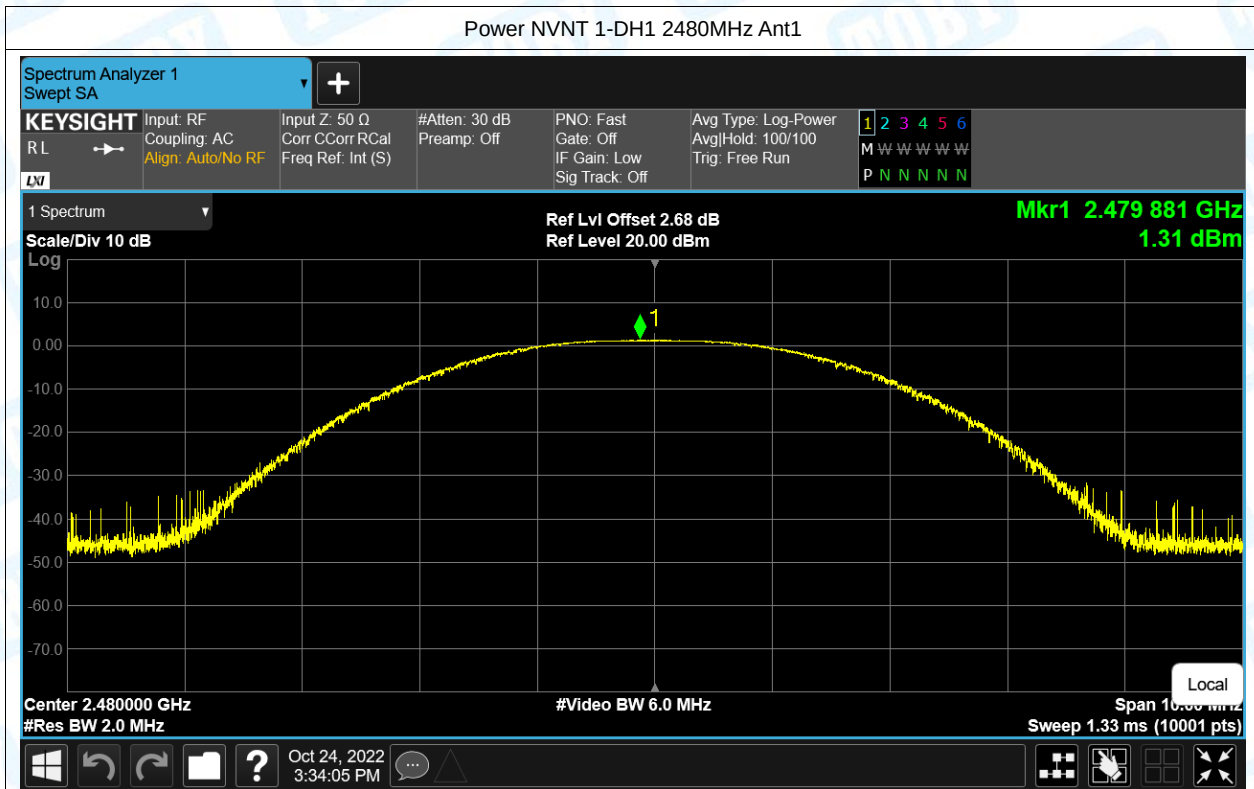
Test Graphs

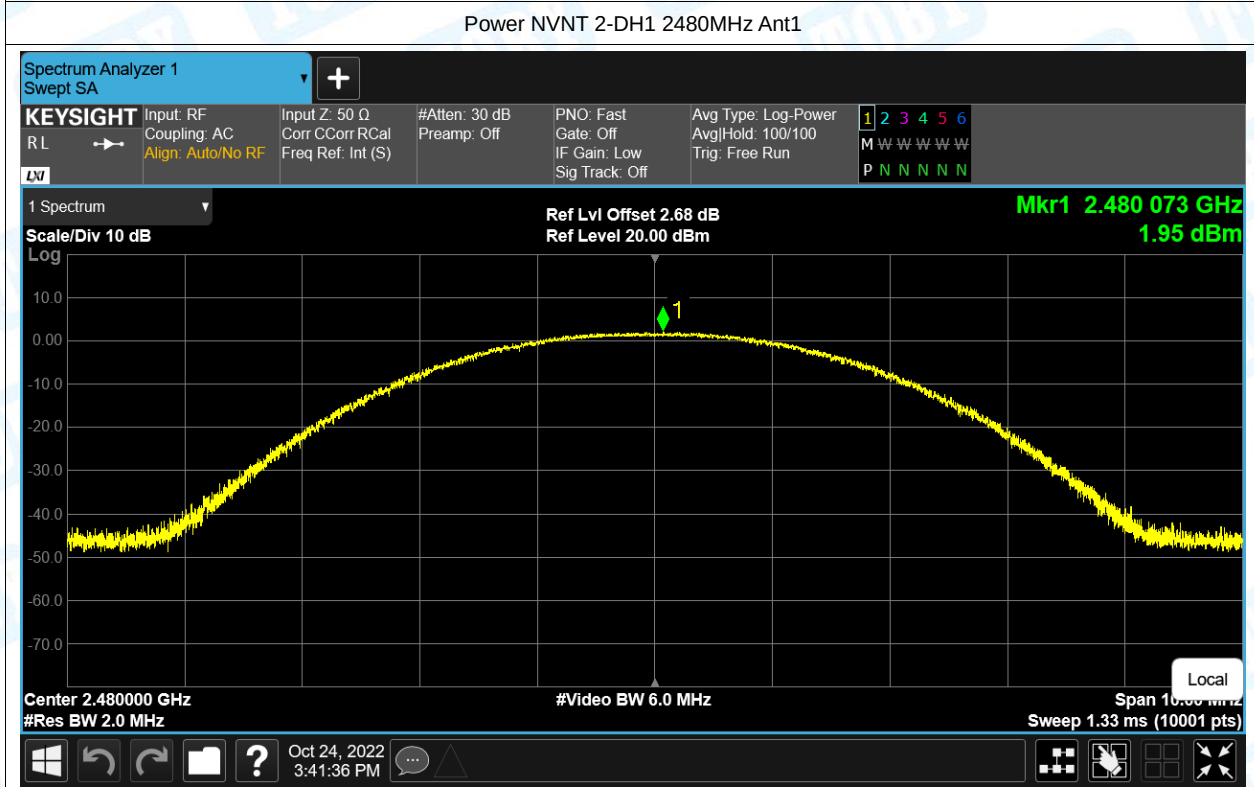
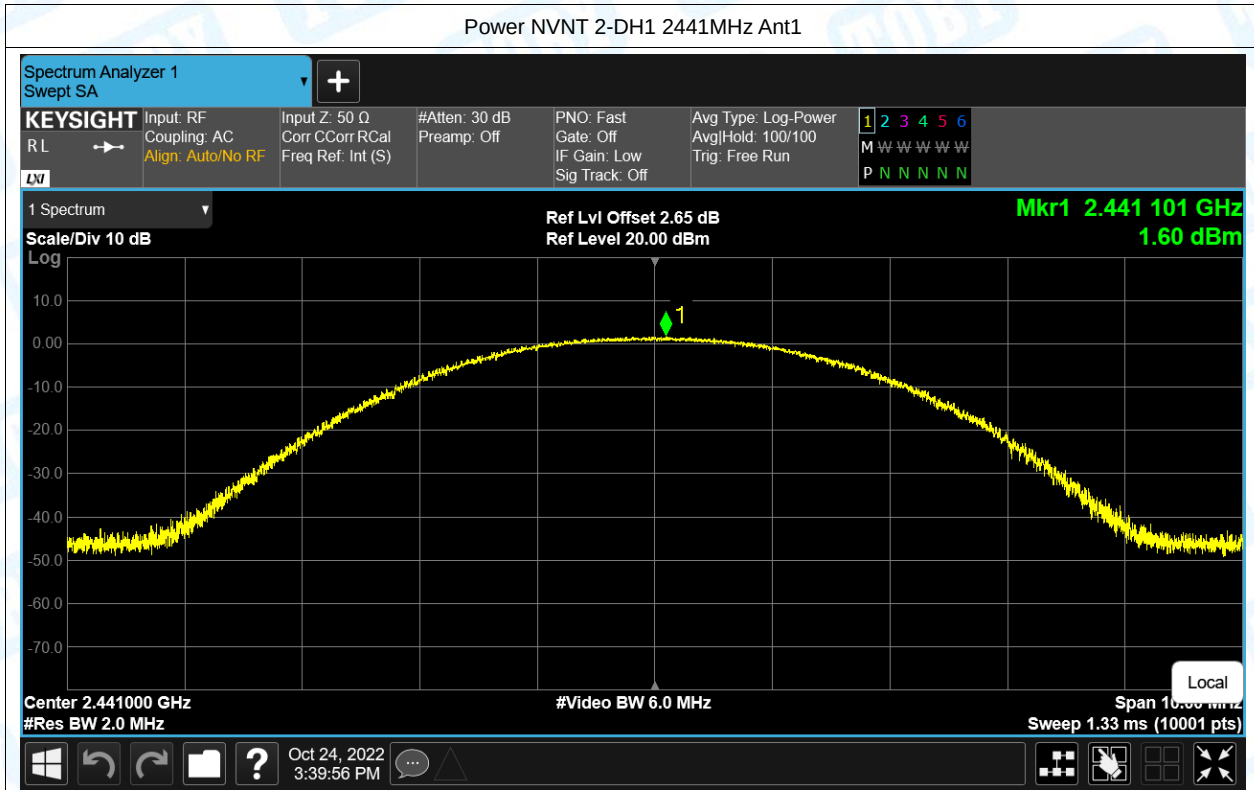
Power NVNT 1-DH1 2402MHz Ant1

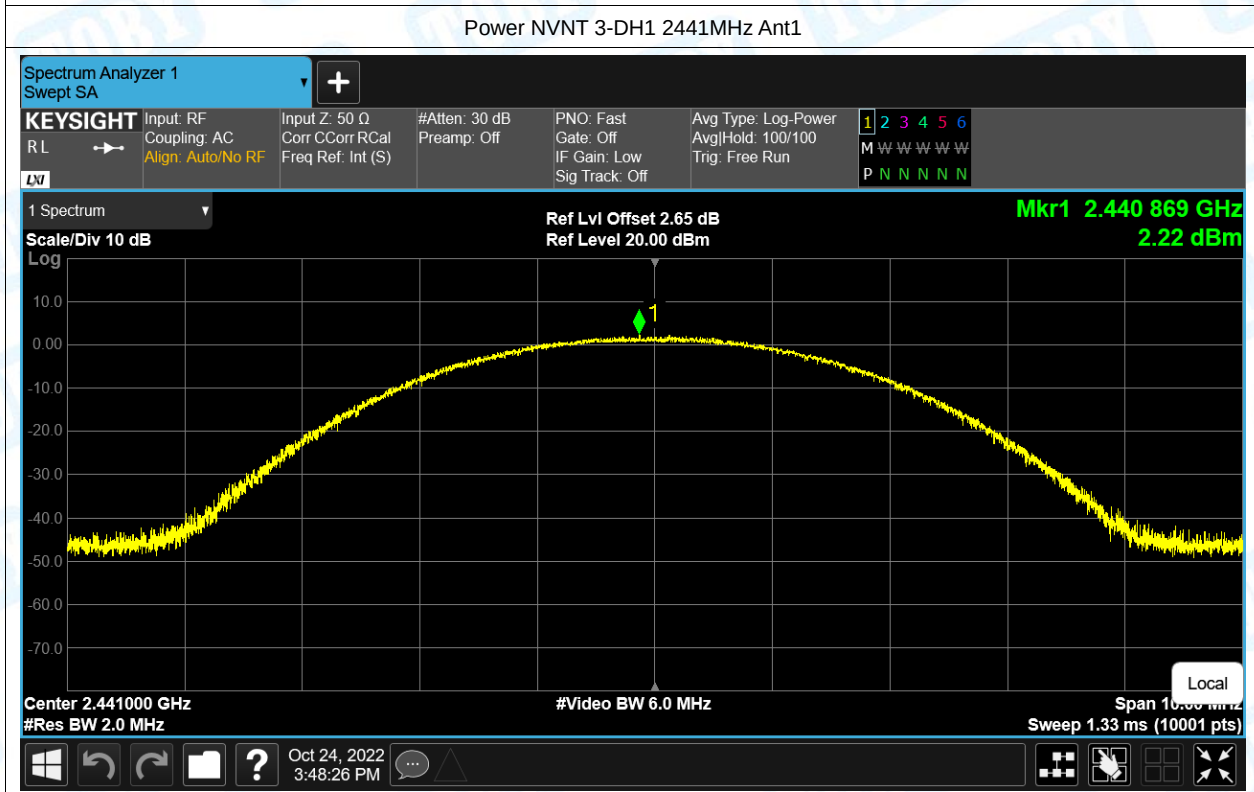
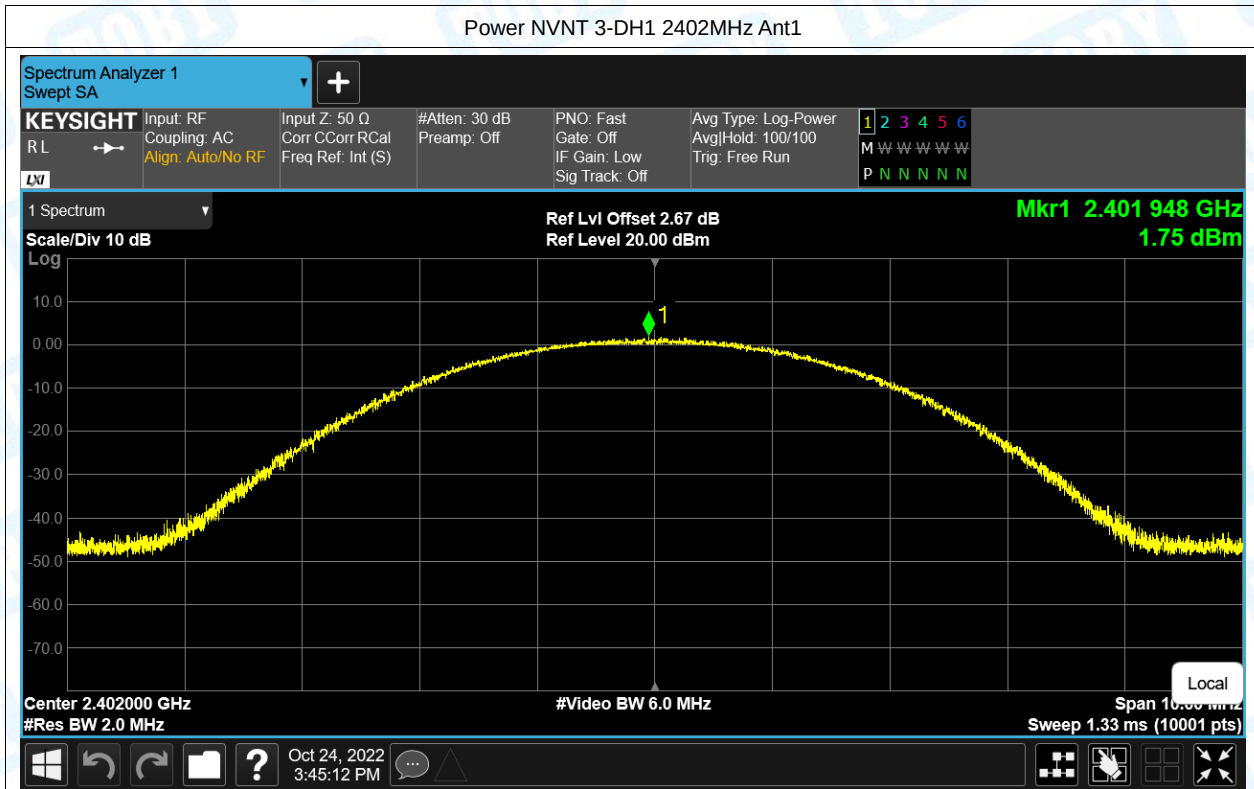


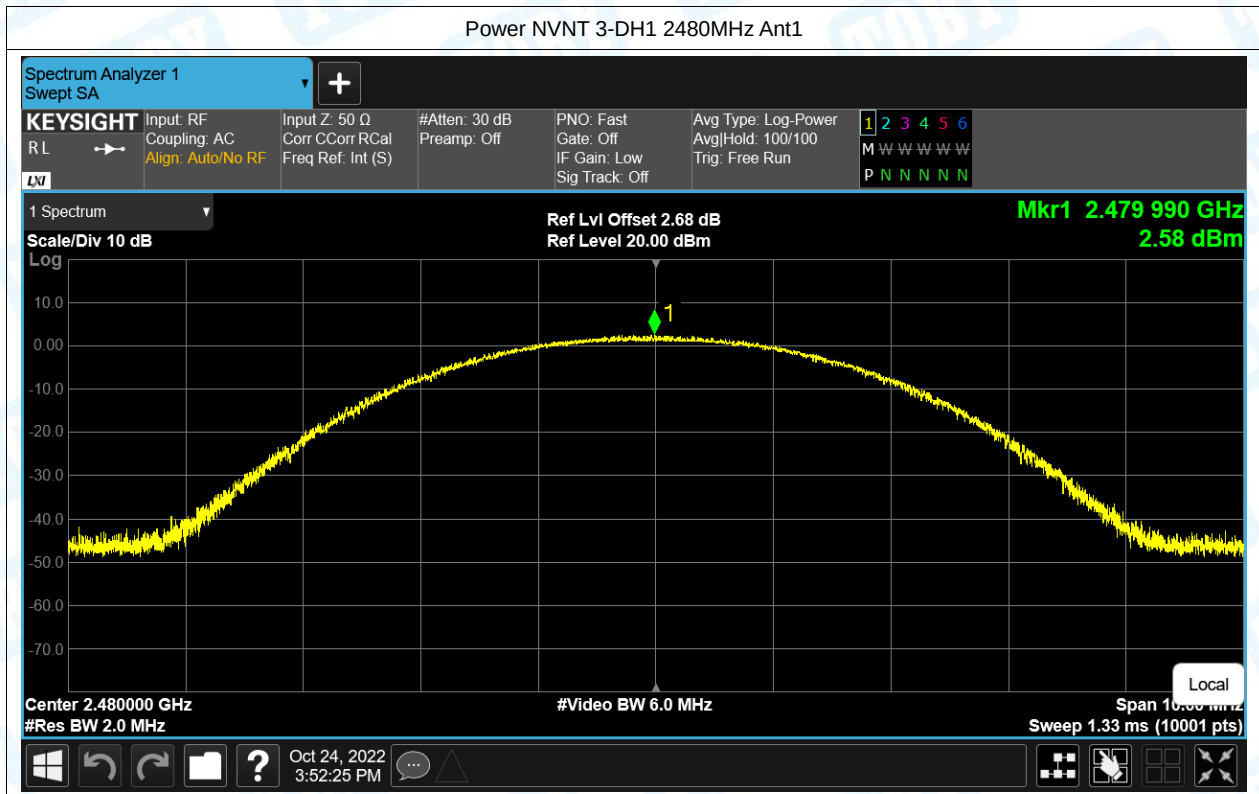
Power NVNT 1-DH1 2441MHz Ant1











3. -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	1.03	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	1.29	0	Pass
NVNT	2-DH1	2480	Ant1	1.32	0	Pass
NVNT	3-DH1	2402	Ant1	1.26	0	Pass
NVNT	3-DH1	2441	Ant1	1.25	0	Pass
NVNT	3-DH1	2480	Ant1	1.28	0	Pass

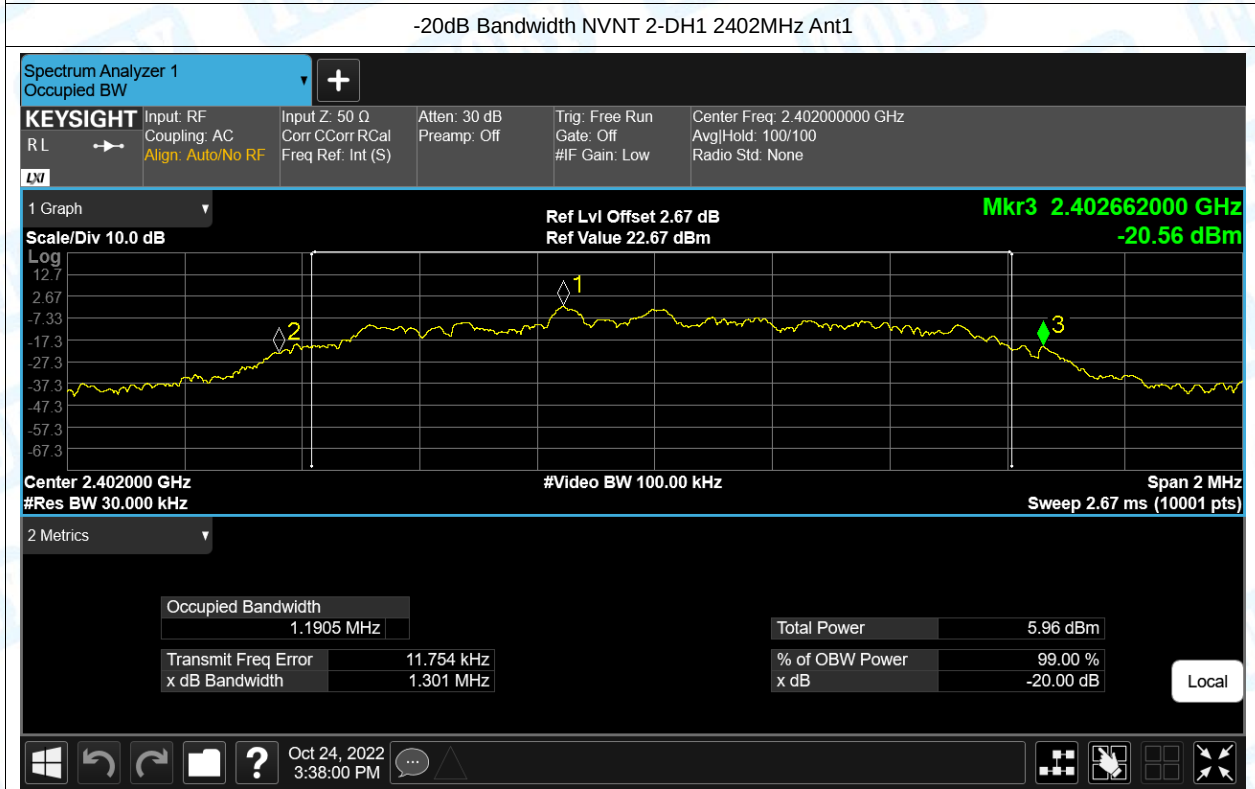
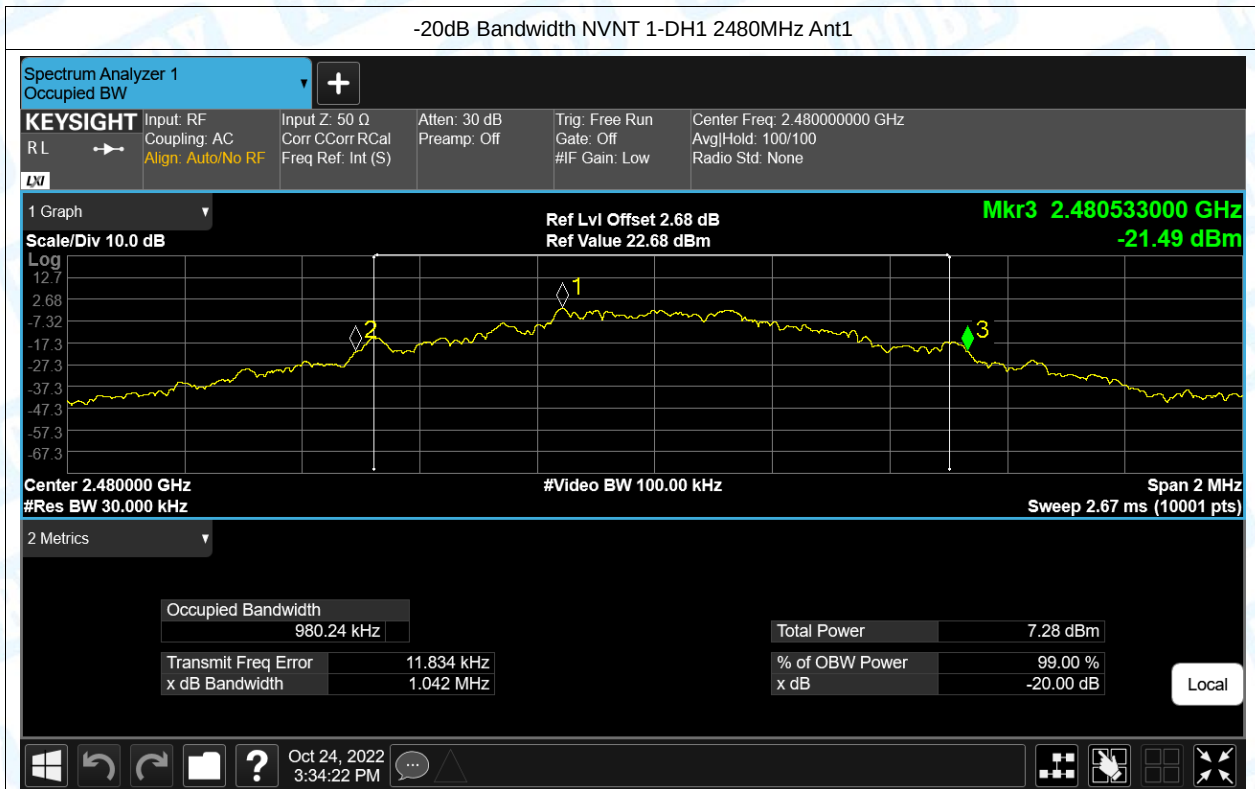
Test Graphs

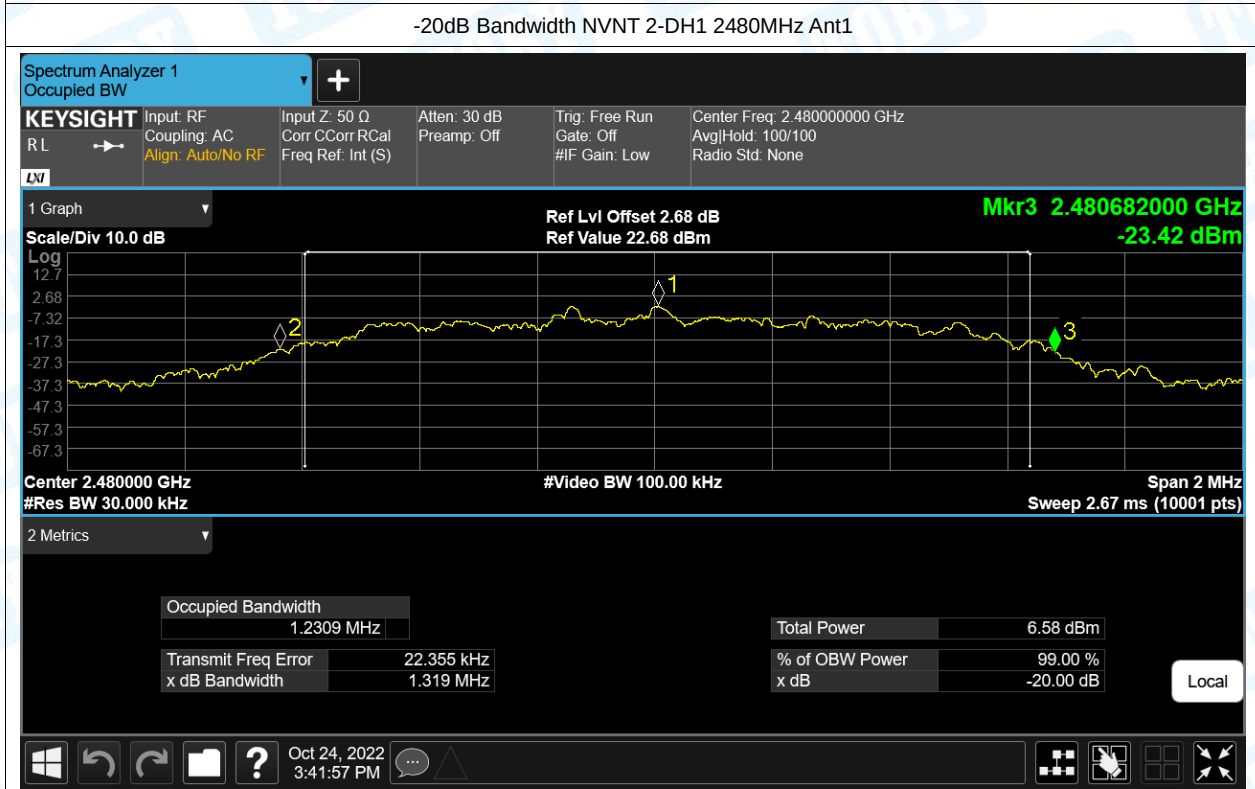
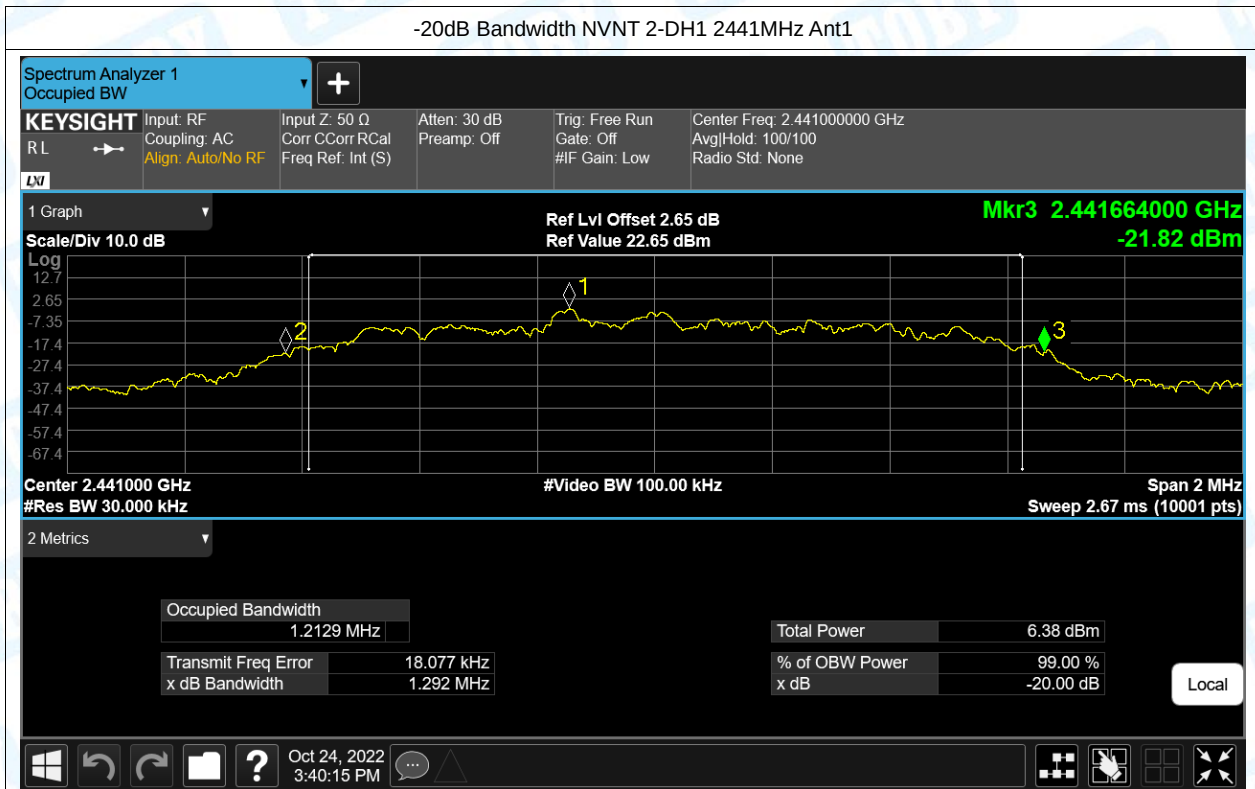
-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1

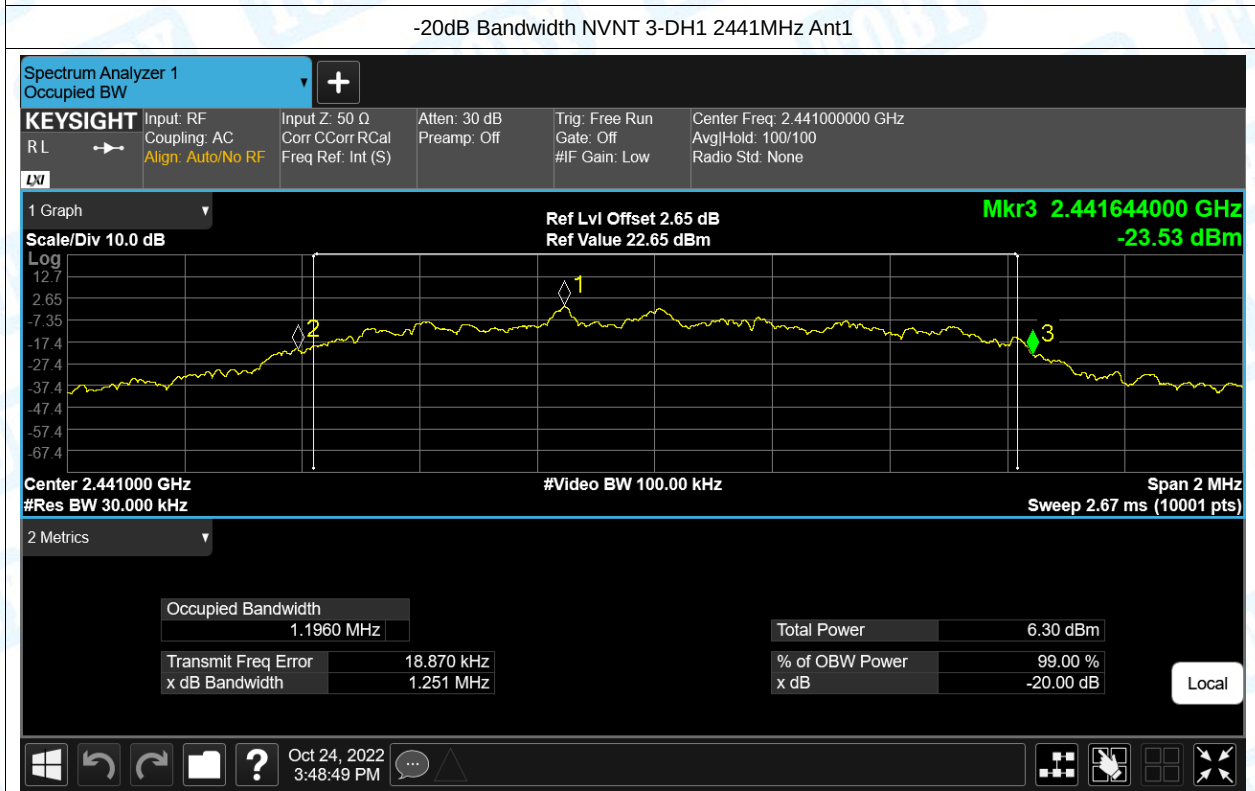
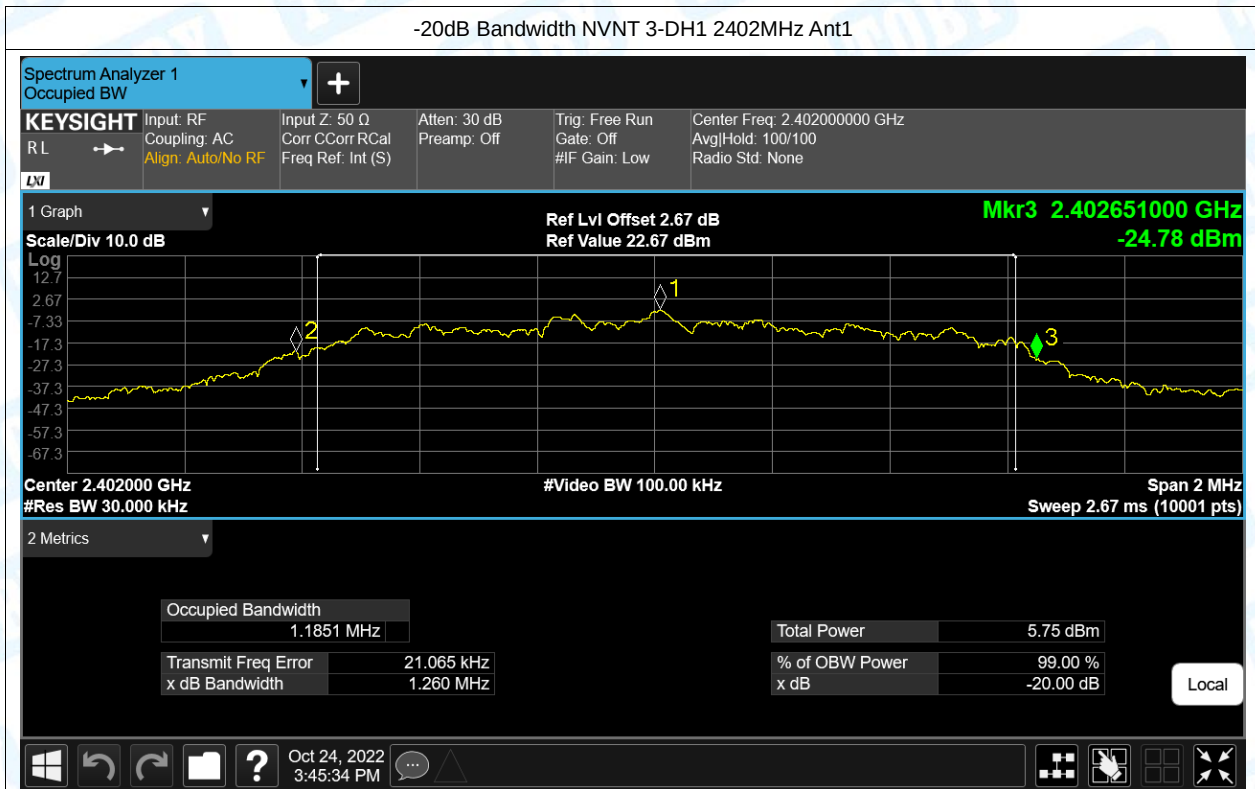


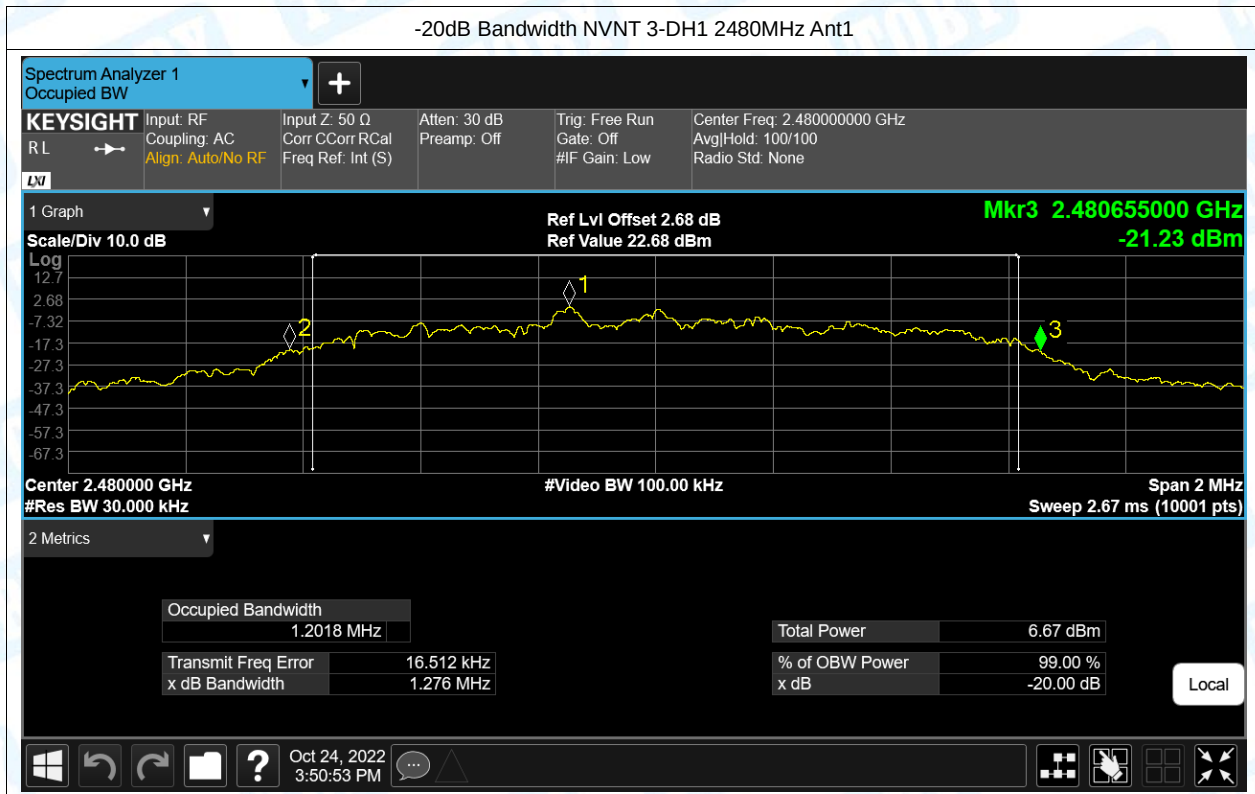
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1











4. Occupied Channel Bandwidth

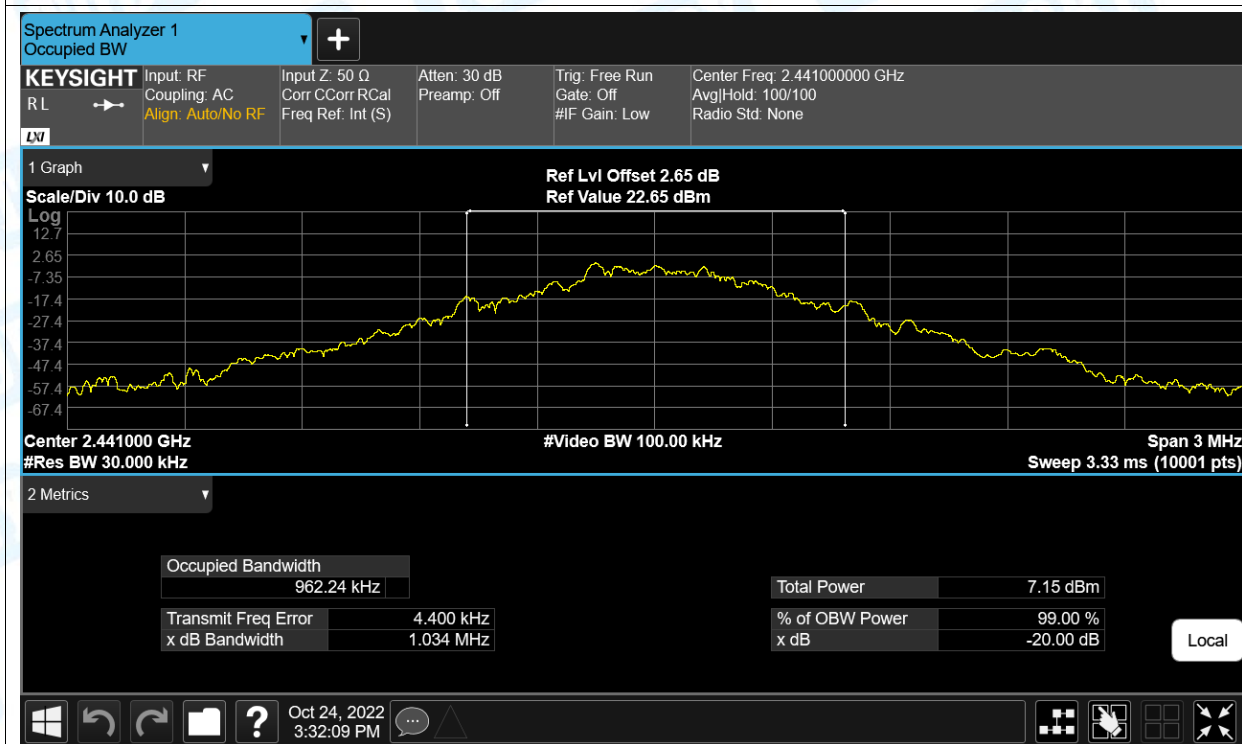
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.923
NVNT	1-DH1	2441	Ant1	0.962
NVNT	1-DH1	2480	Ant1	0.98
NVNT	2-DH1	2402	Ant1	1.171
NVNT	2-DH1	2441	Ant1	1.204
NVNT	2-DH1	2480	Ant1	1.229
NVNT	3-DH1	2402	Ant1	1.181
NVNT	3-DH1	2441	Ant1	1.186
NVNT	3-DH1	2480	Ant1	1.199

Test Graphs

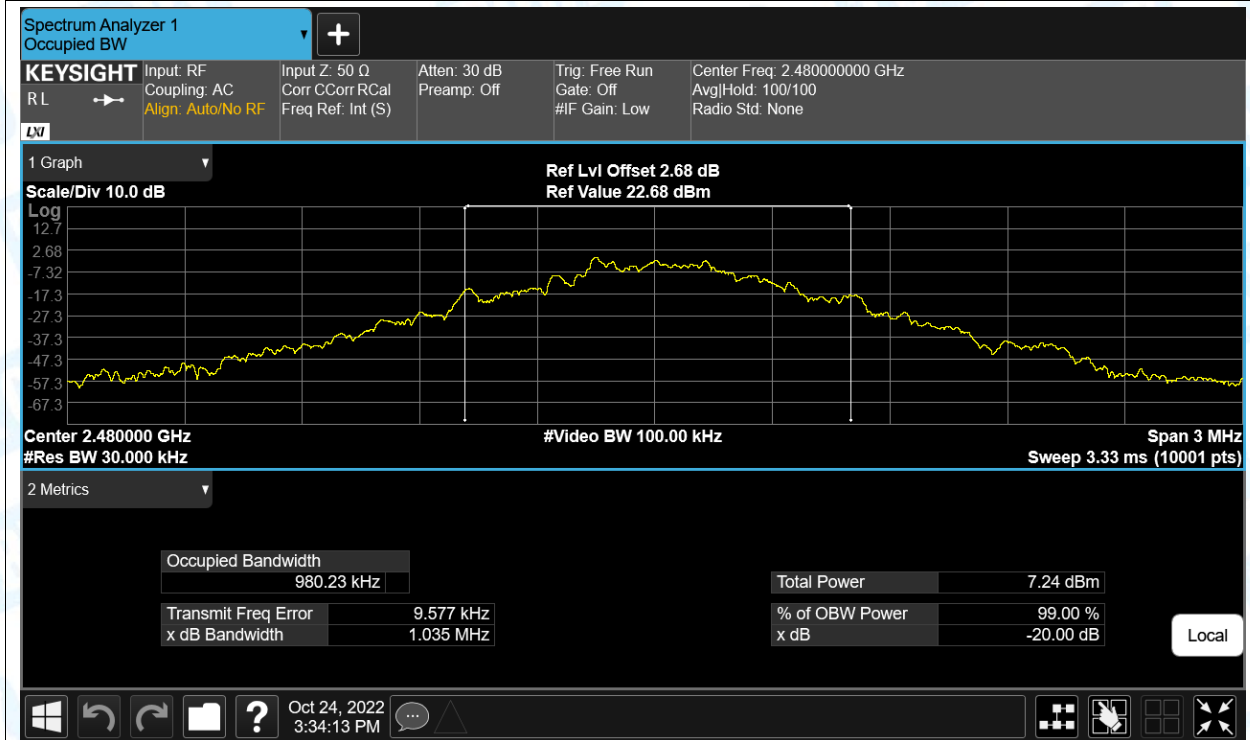
OBW NVNT 1-DH1 2402MHz Ant1



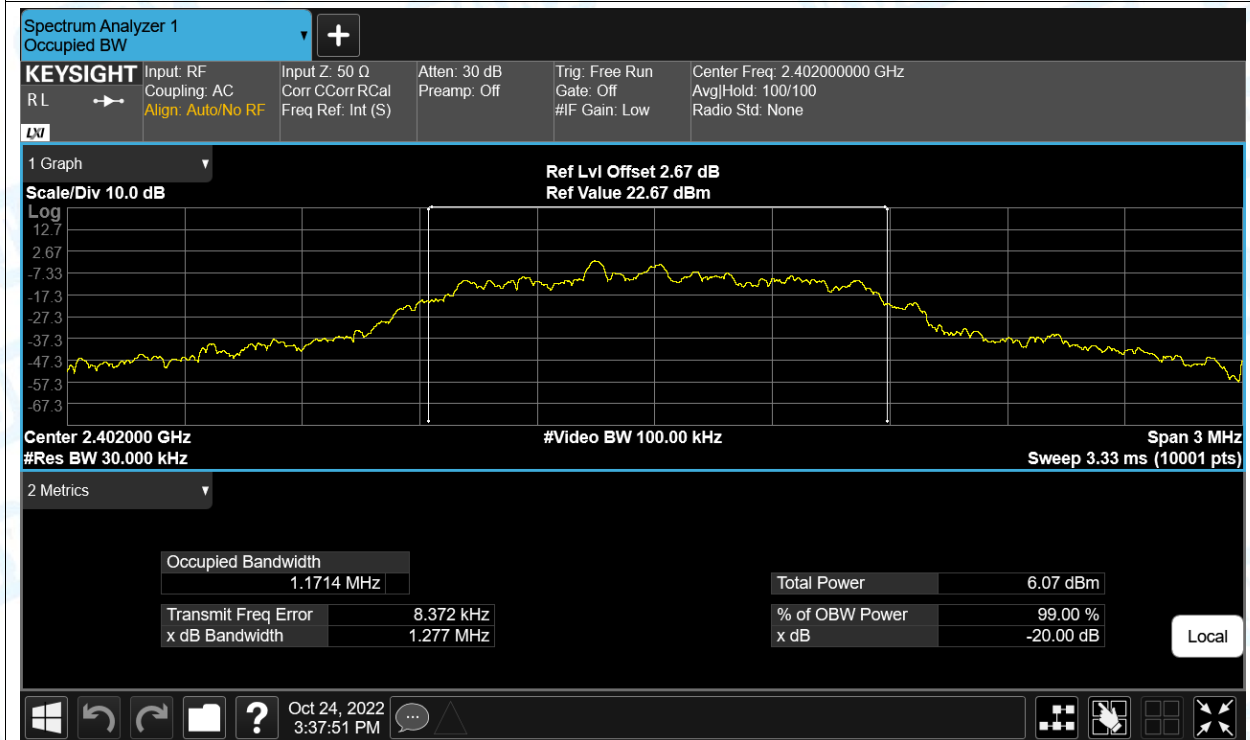
OBW NVNT 1-DH1 2441MHz Ant1



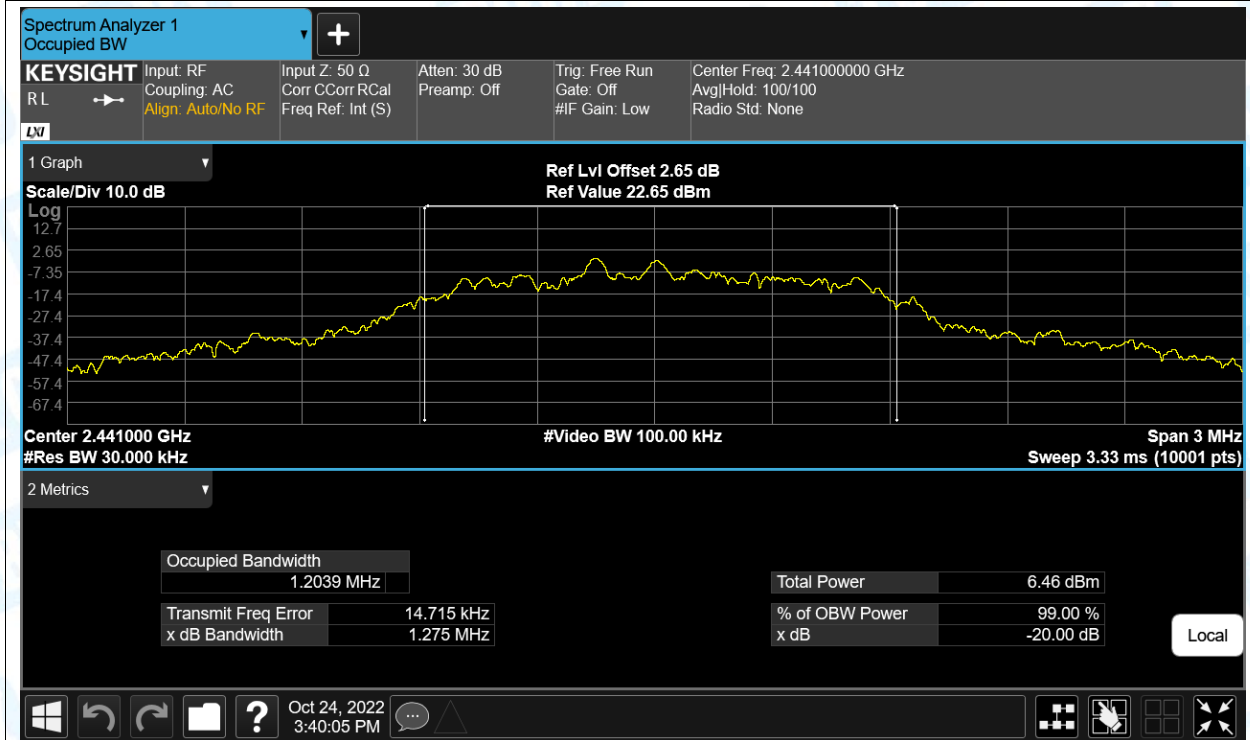
OBW NVNT 1-DH1 2480MHz Ant1



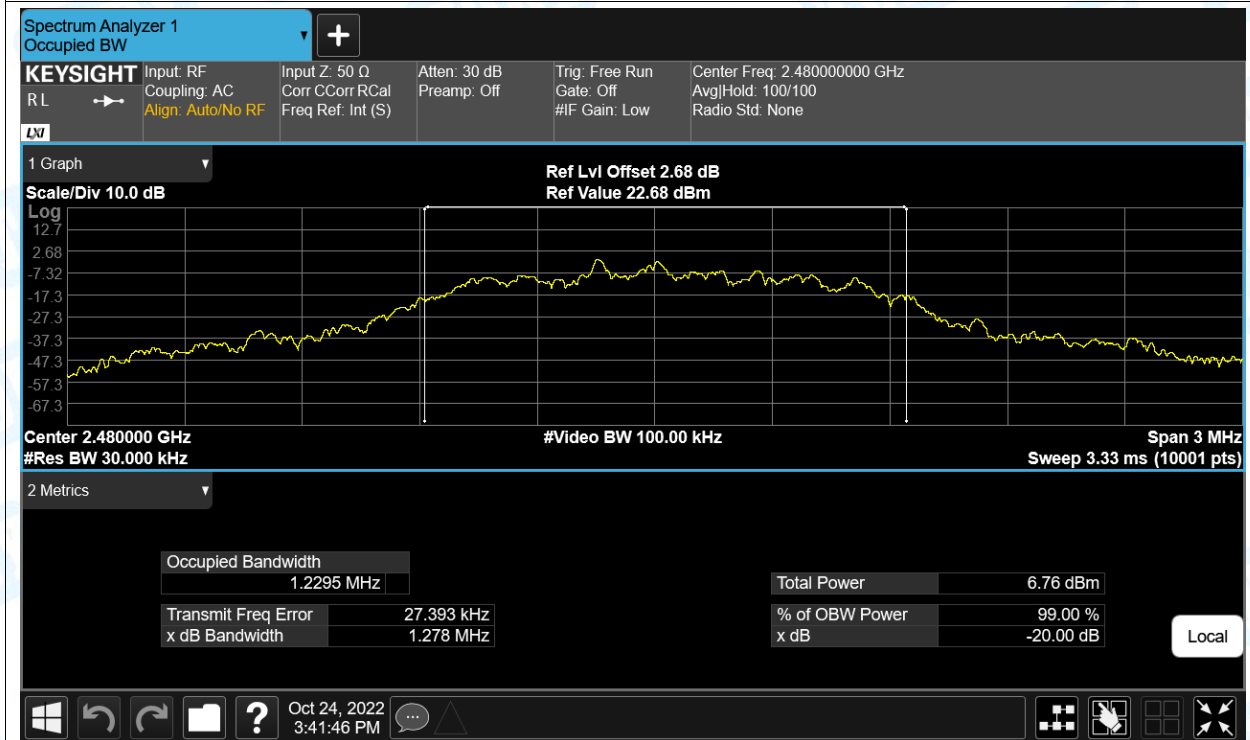
OBW NVNT 2-DH1 2402MHz Ant1

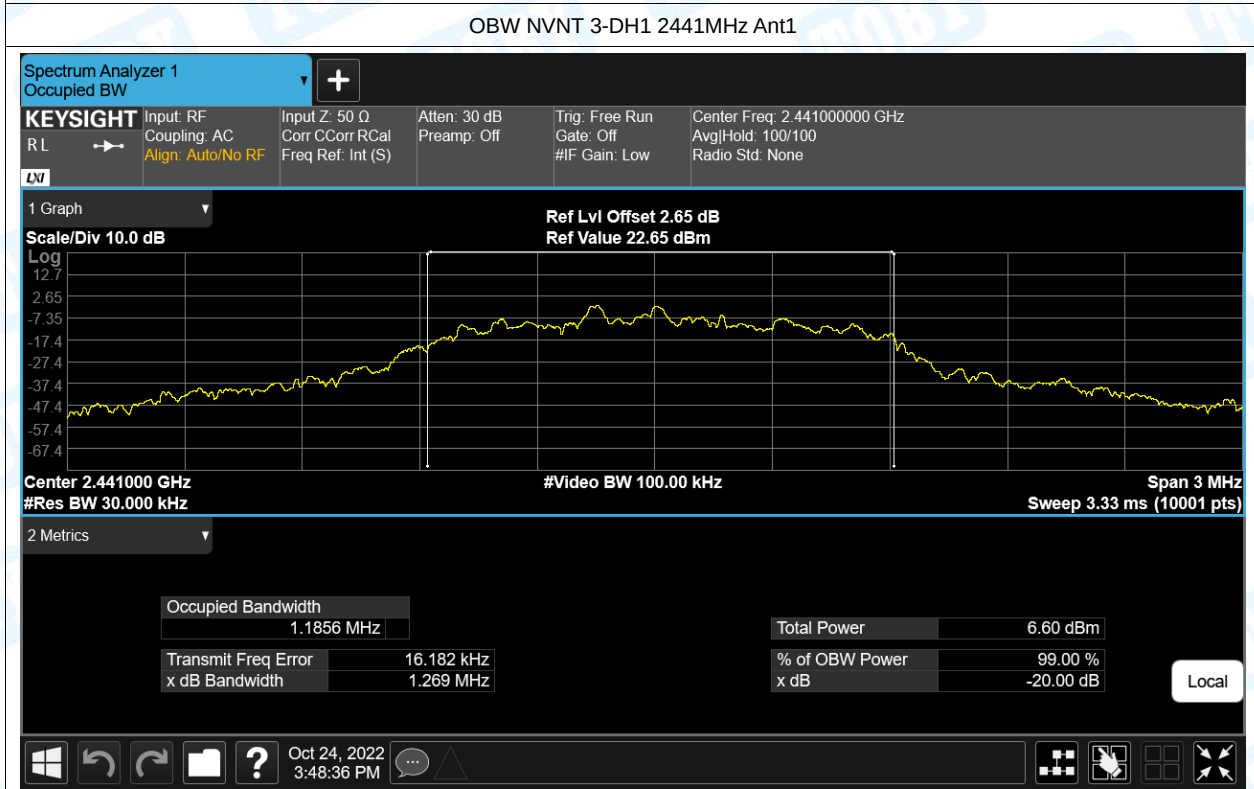
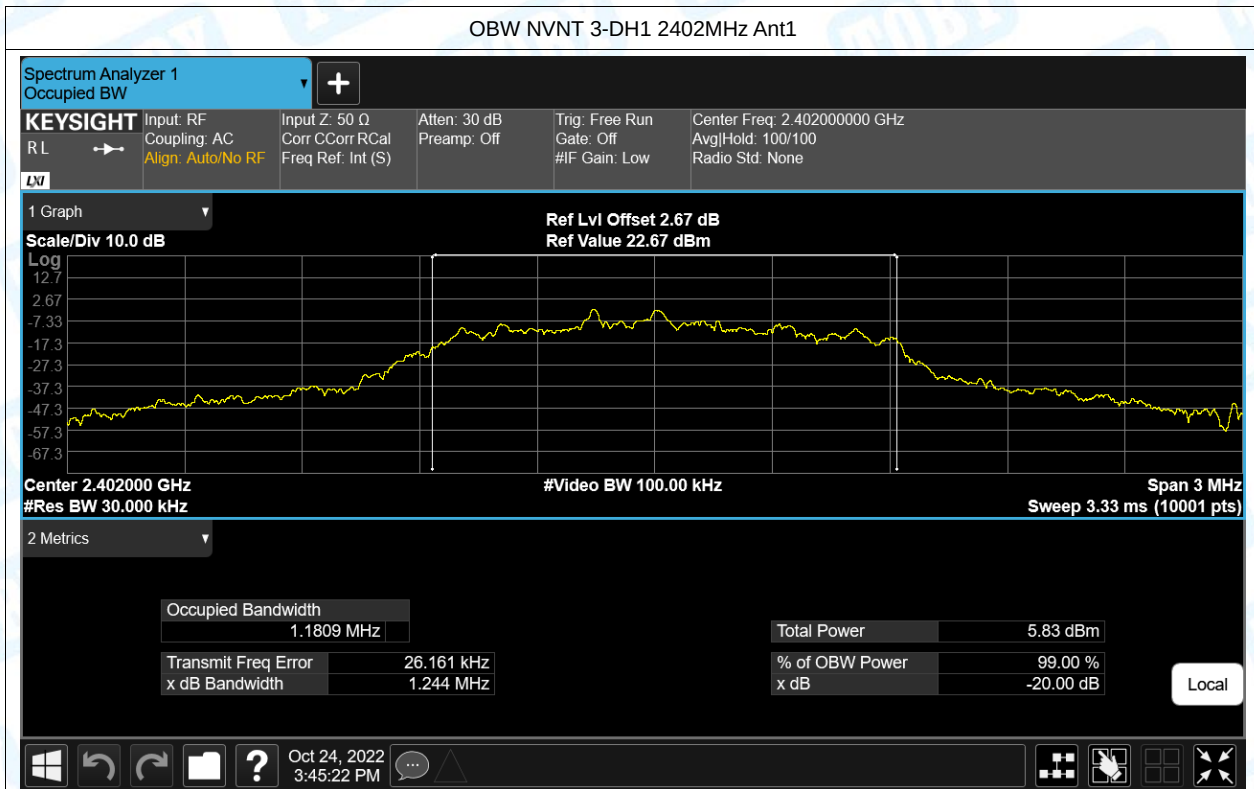


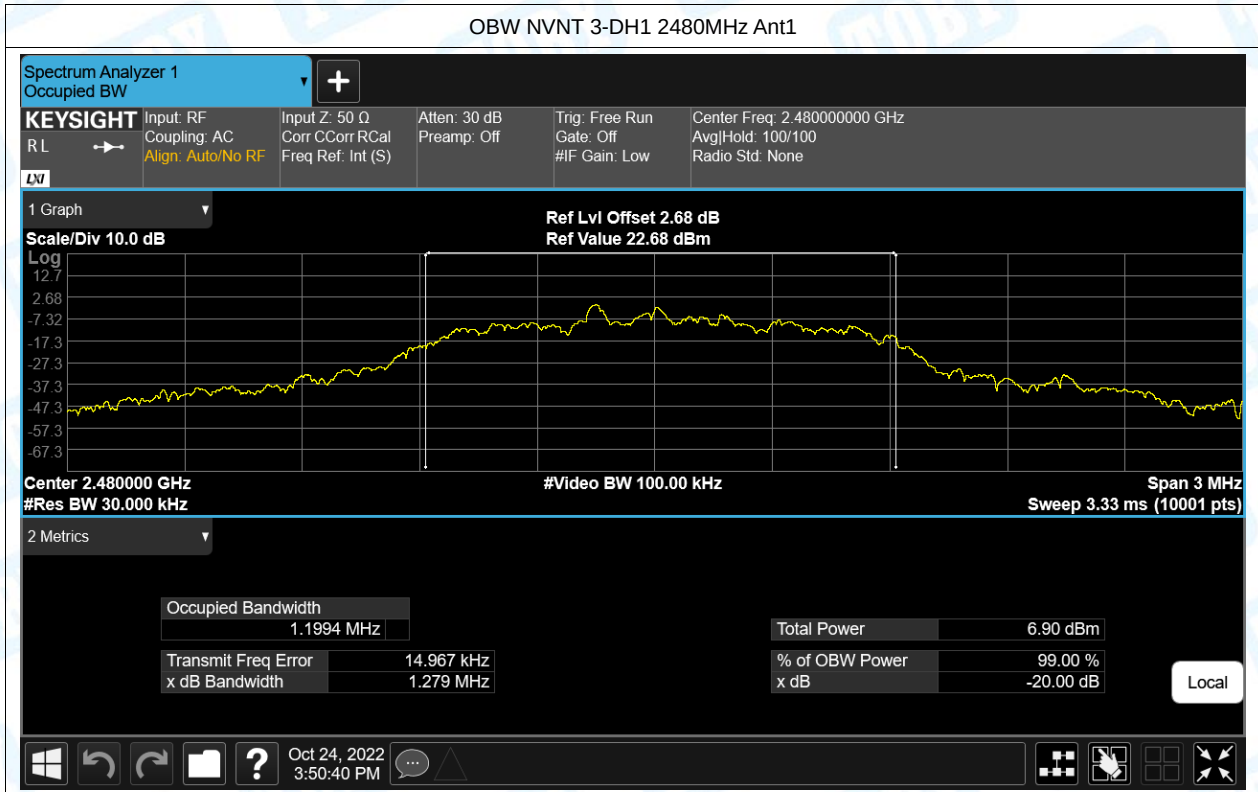
OBW NVNT 2-DH1 2441MHz Ant1



OBW NVNT 2-DH1 2480MHz Ant1

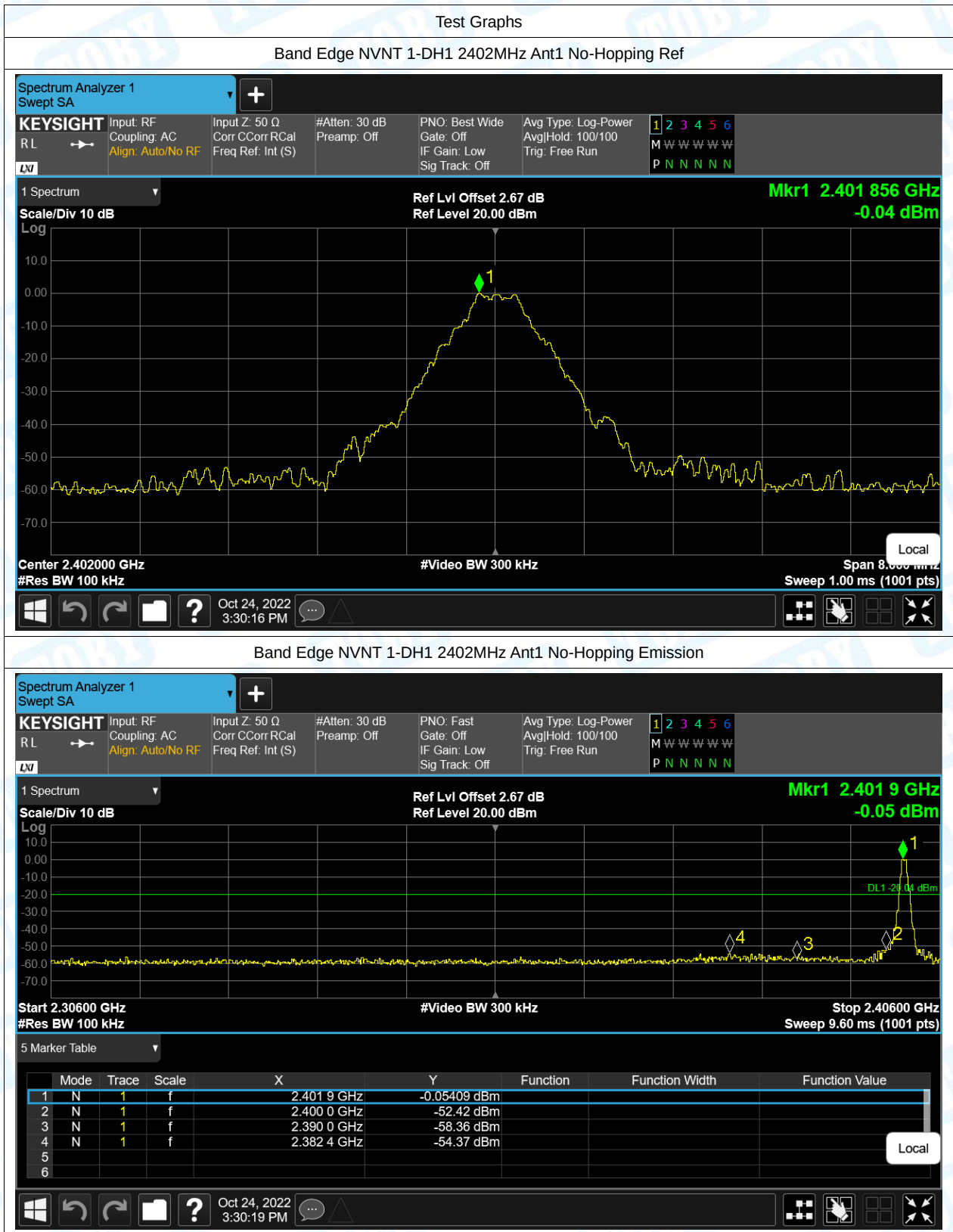


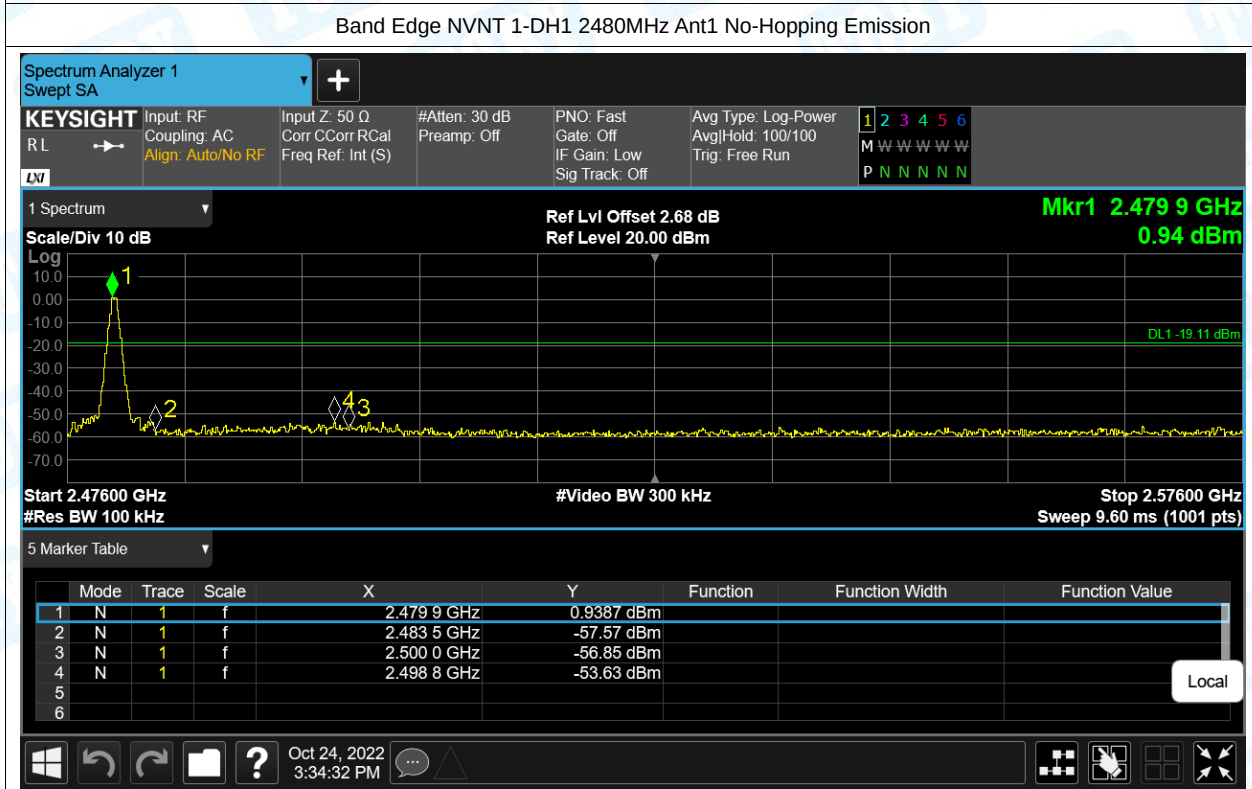
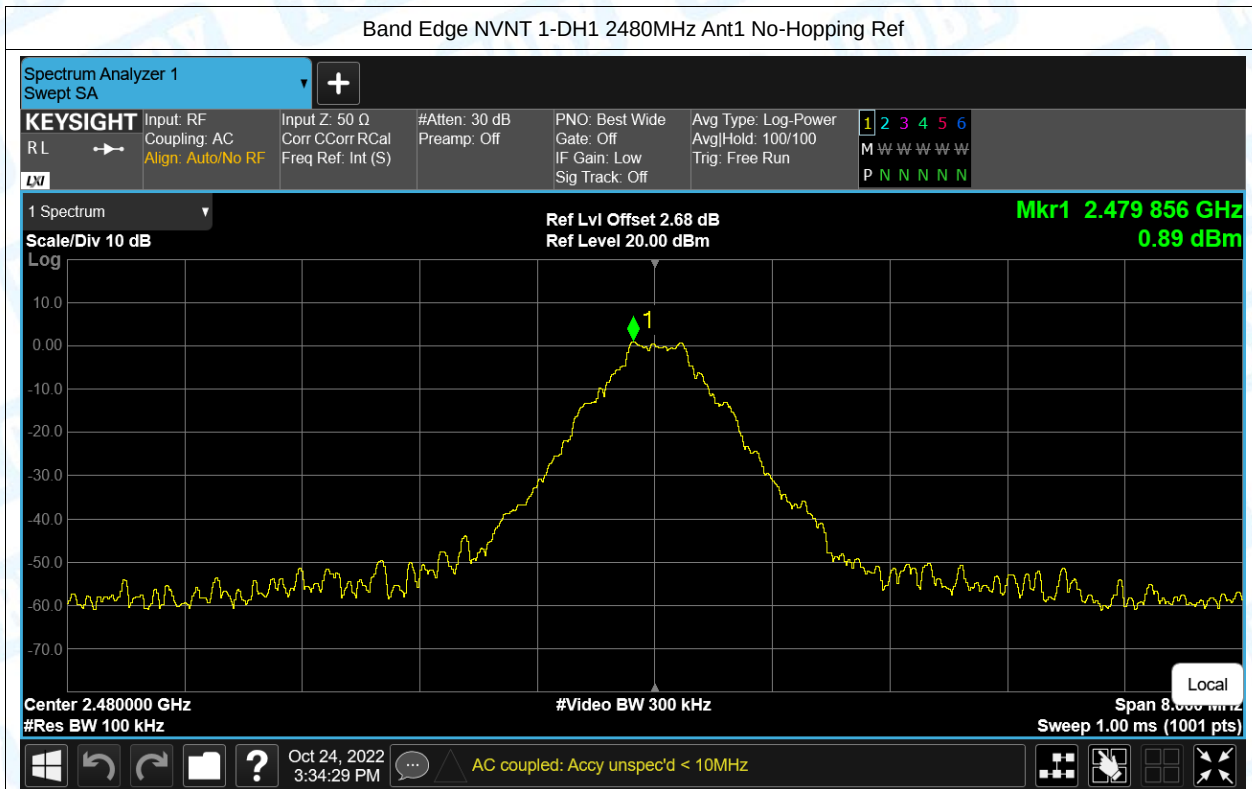


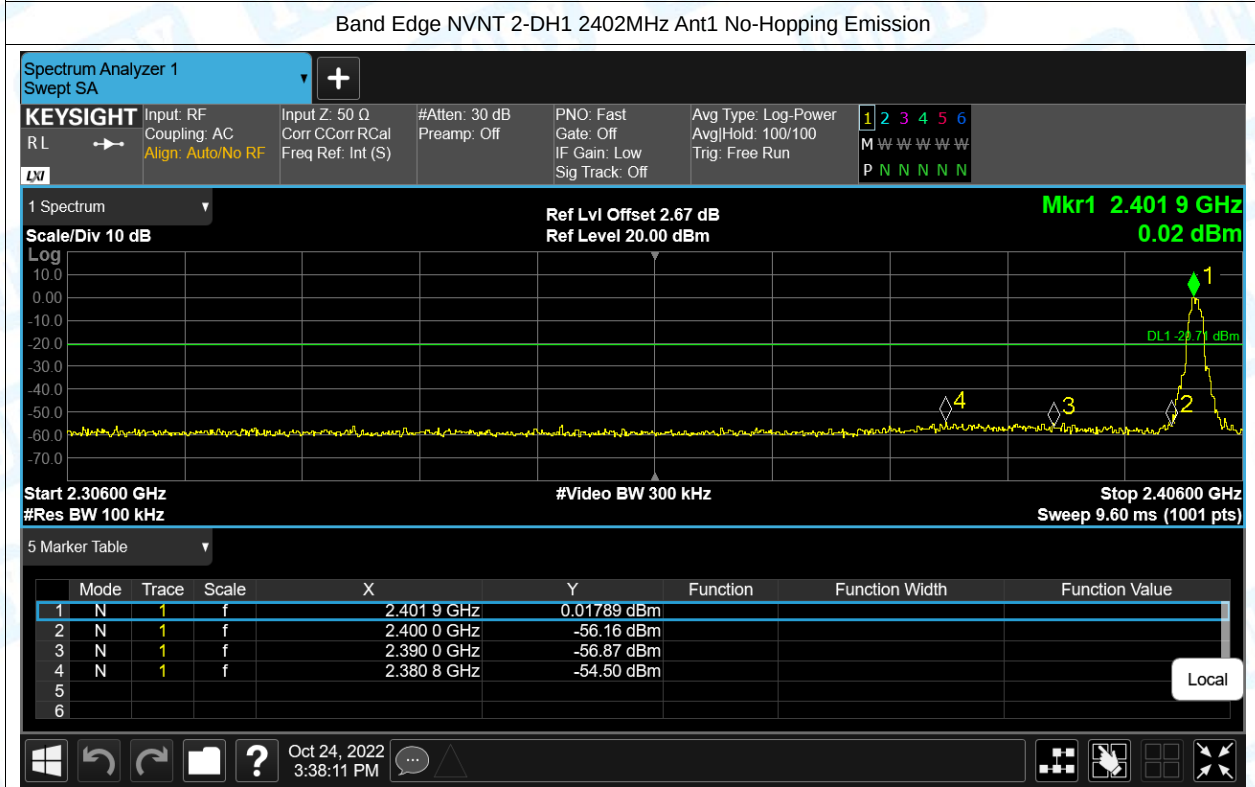
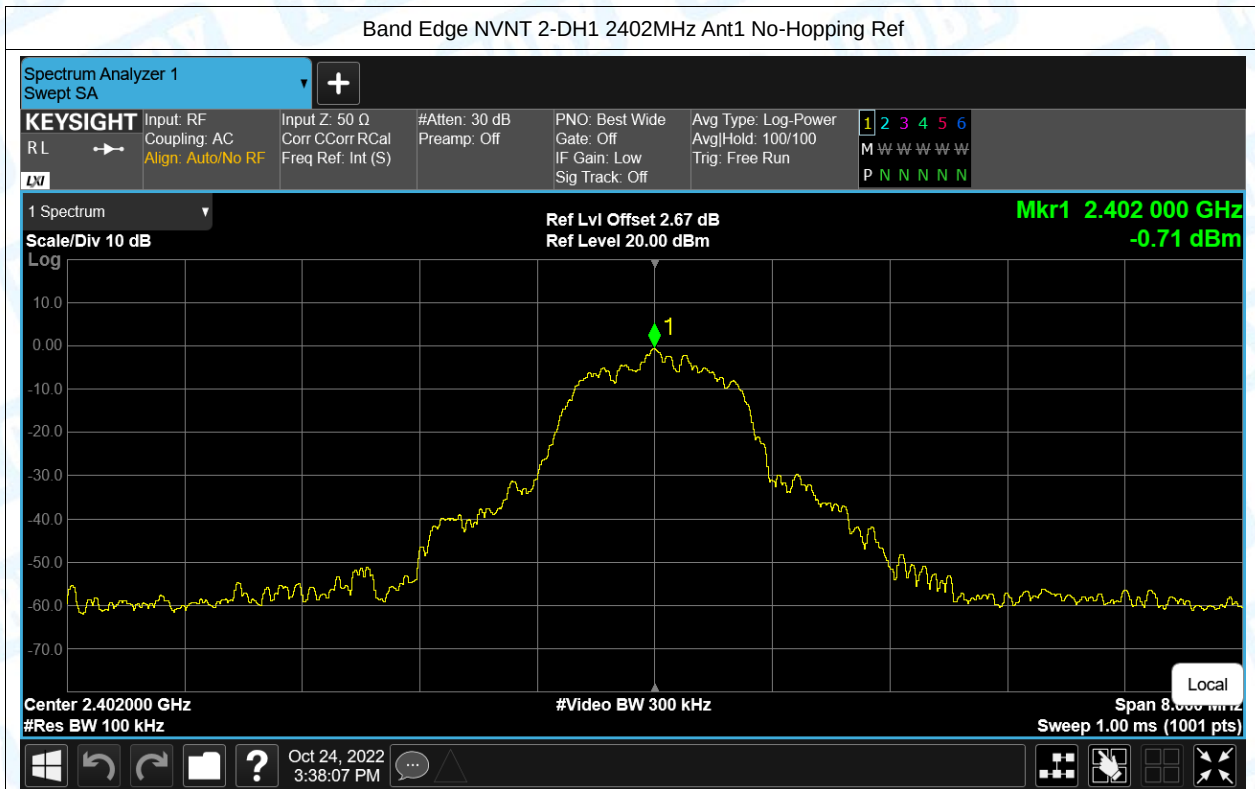


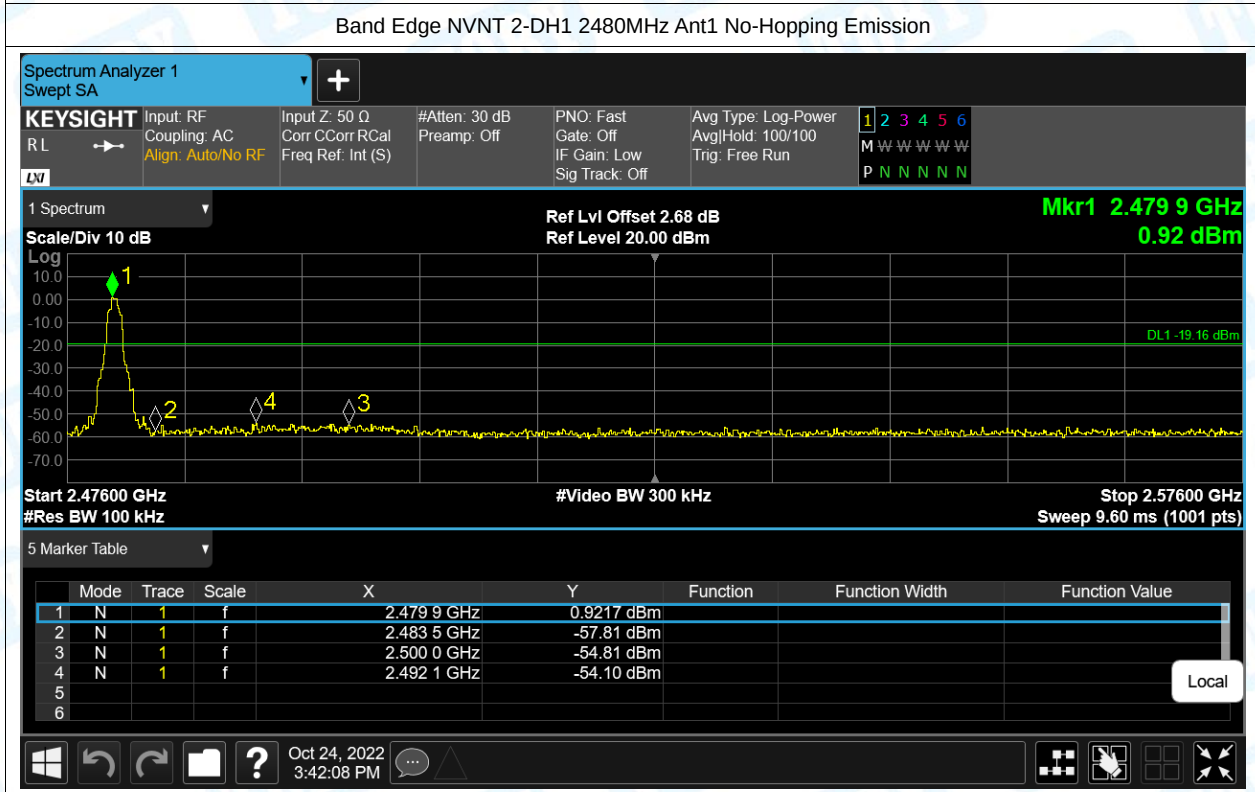
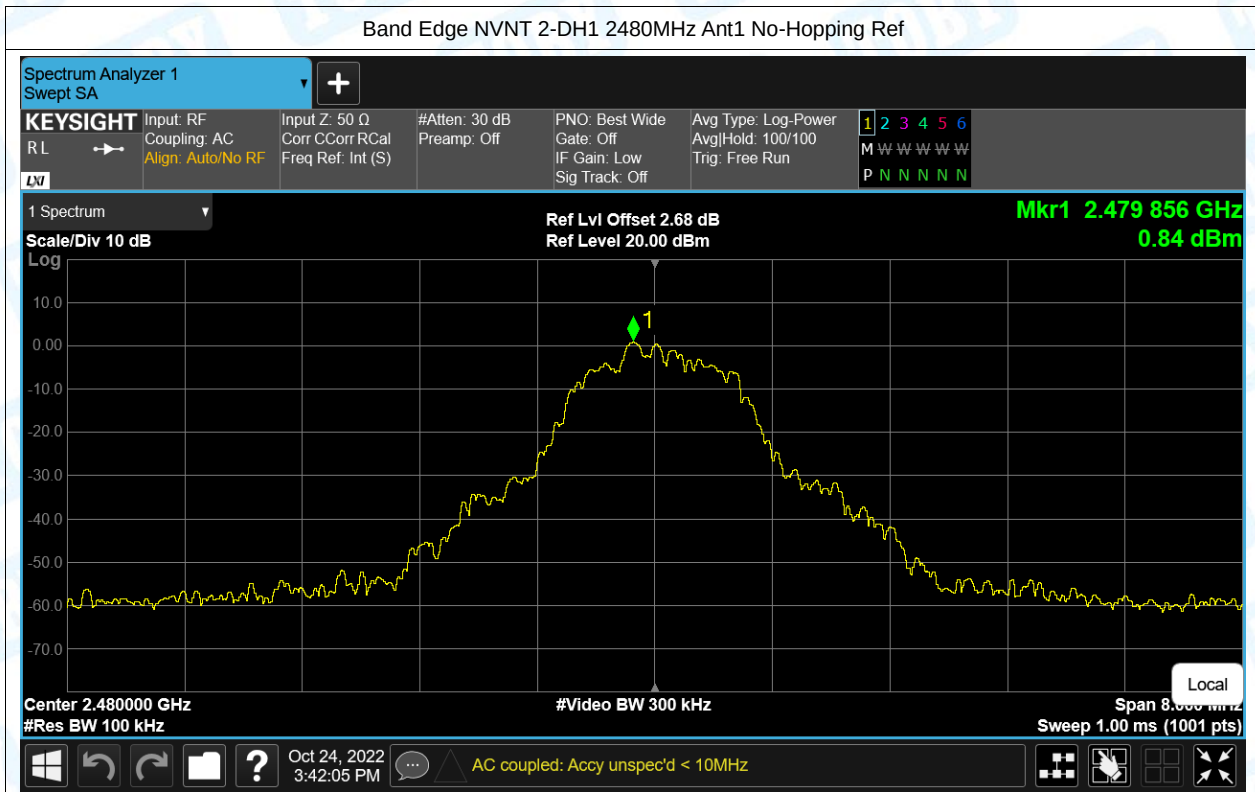
5. Band Edge

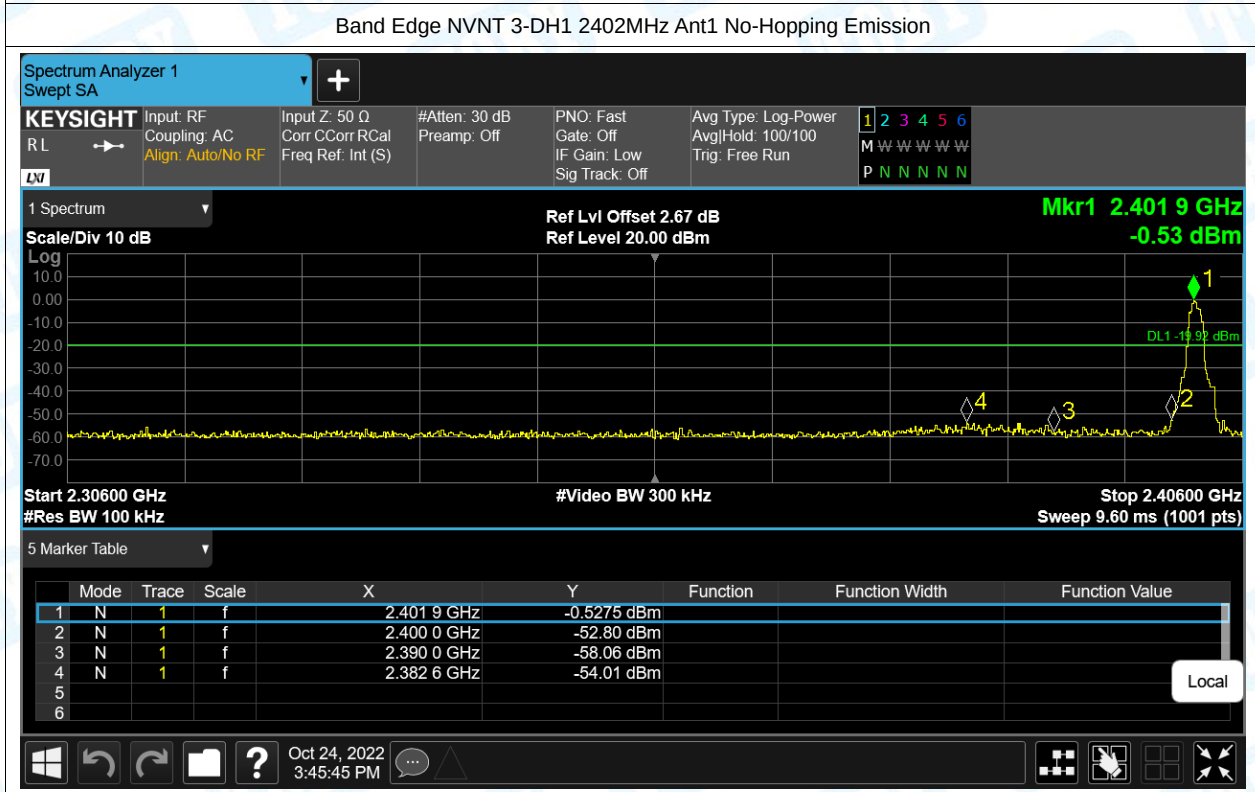
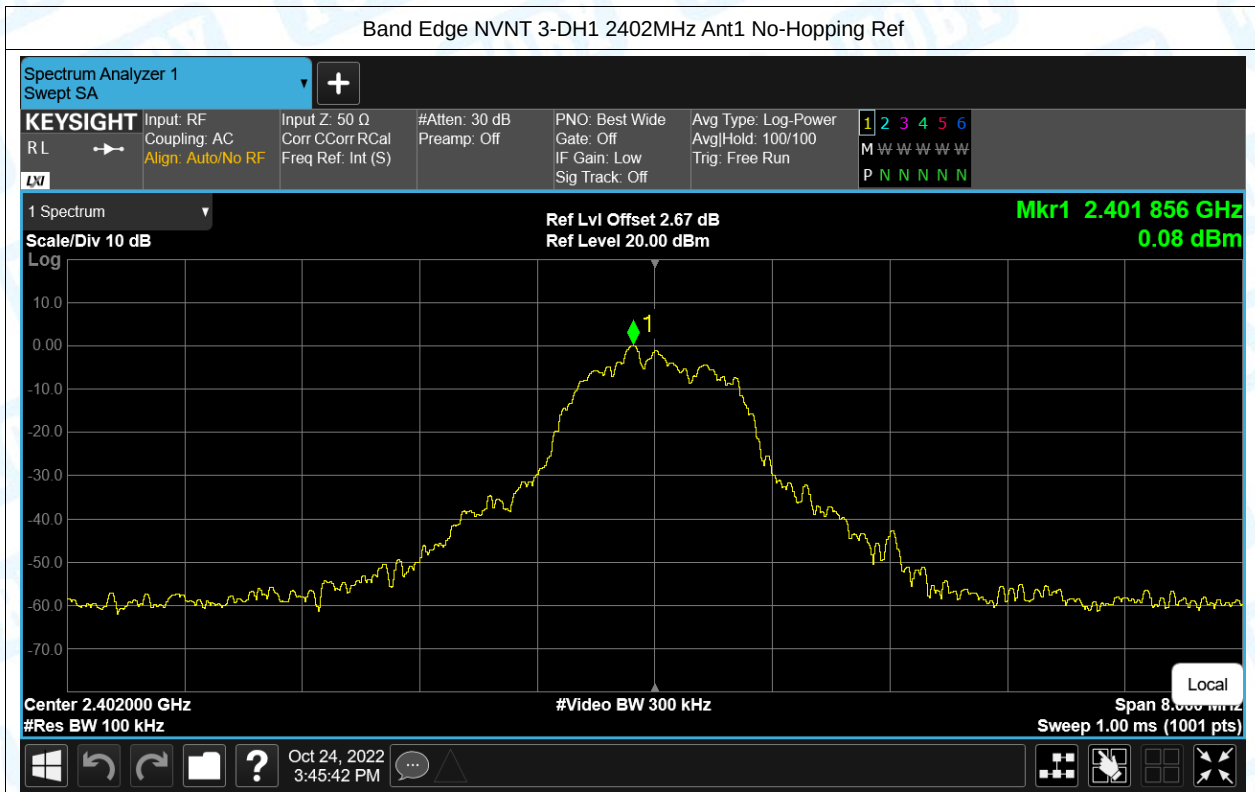
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-54.33	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-54.52	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-53.79	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-54.94	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-54.09	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-53.37	-20	Pass

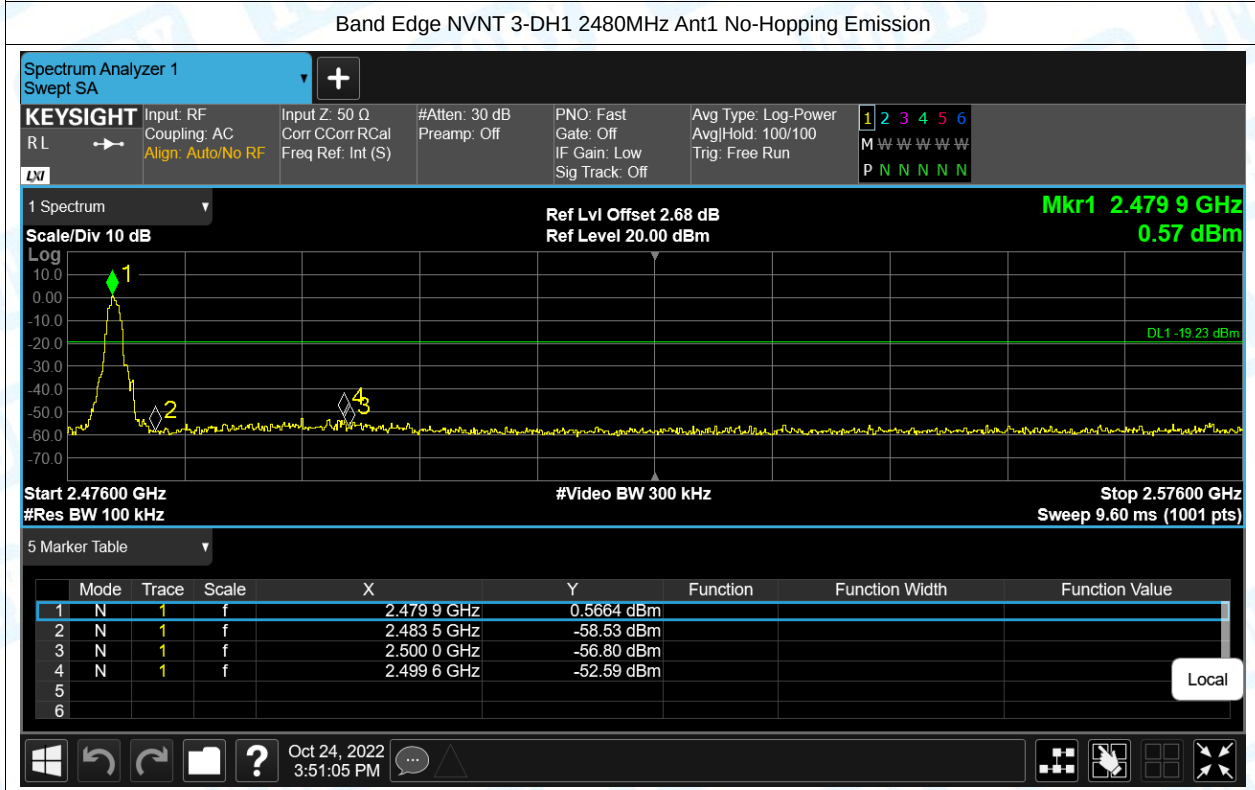
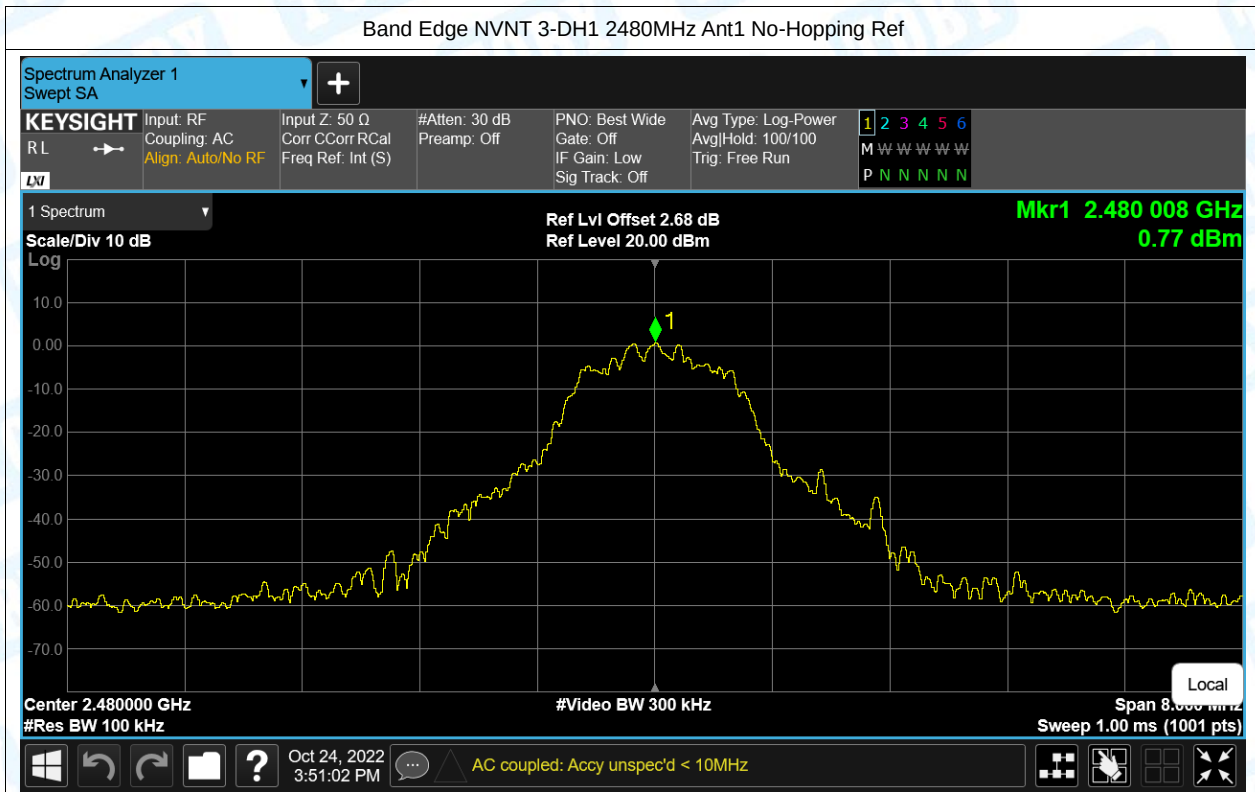












6. Band Edge(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-53.55	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-53.32	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-54.78	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-52.58	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-52.89	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-53.53	-20	Pass