

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

General Description of EUT	
Product Name:	Watch 8Pro
Test Model:	Watch 8Pro
Sample ID:	202207-0335-02#
Environmental Conditions	
Temperature:	25°C
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-202207-0335-3	

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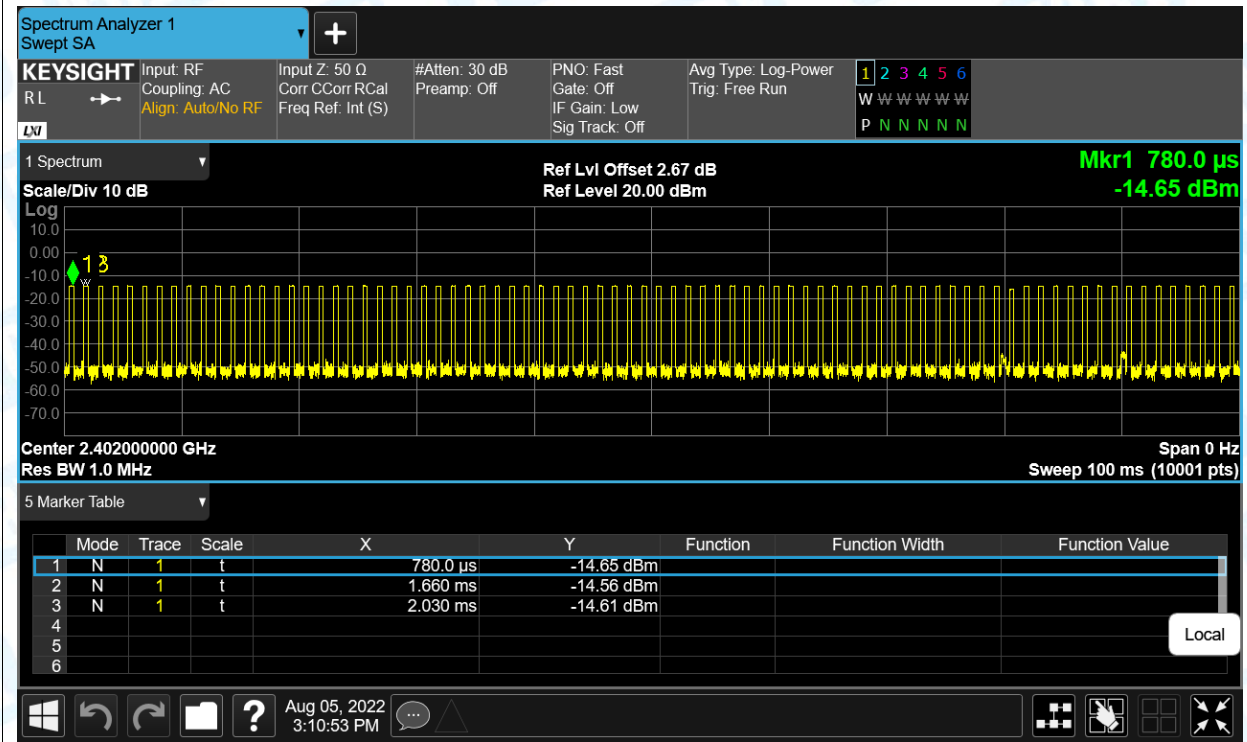
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1. Duty Cycle

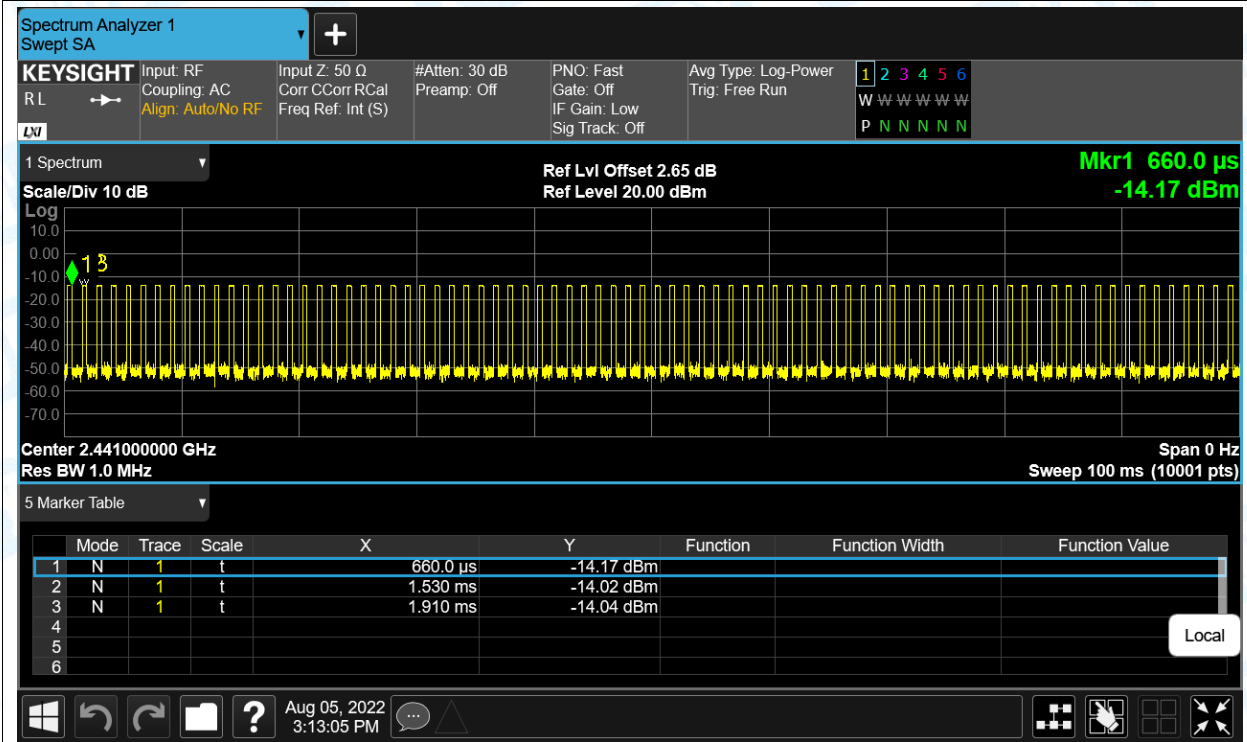
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH1	2402	Ant1	30.4	5.17	2.7
NVNT	1-DH1	2441	Ant1	31.2	5.06	2.63
NVNT	1-DH1	2480	Ant1	30.4	5.17	2.7
NVNT	2-DH1	2402	Ant1	32	4.95	2.56
NVNT	2-DH1	2441	Ant1	32.01	4.95	2.56
NVNT	2-DH1	2480	Ant1	32	4.95	2.56
NVNT	3-DH1	2402	Ant1	31.21	5.06	2.63
NVNT	3-DH1	2441	Ant1	31.2	5.06	2.63
NVNT	3-DH1	2480	Ant1	32	4.95	2.56

Test Graphs

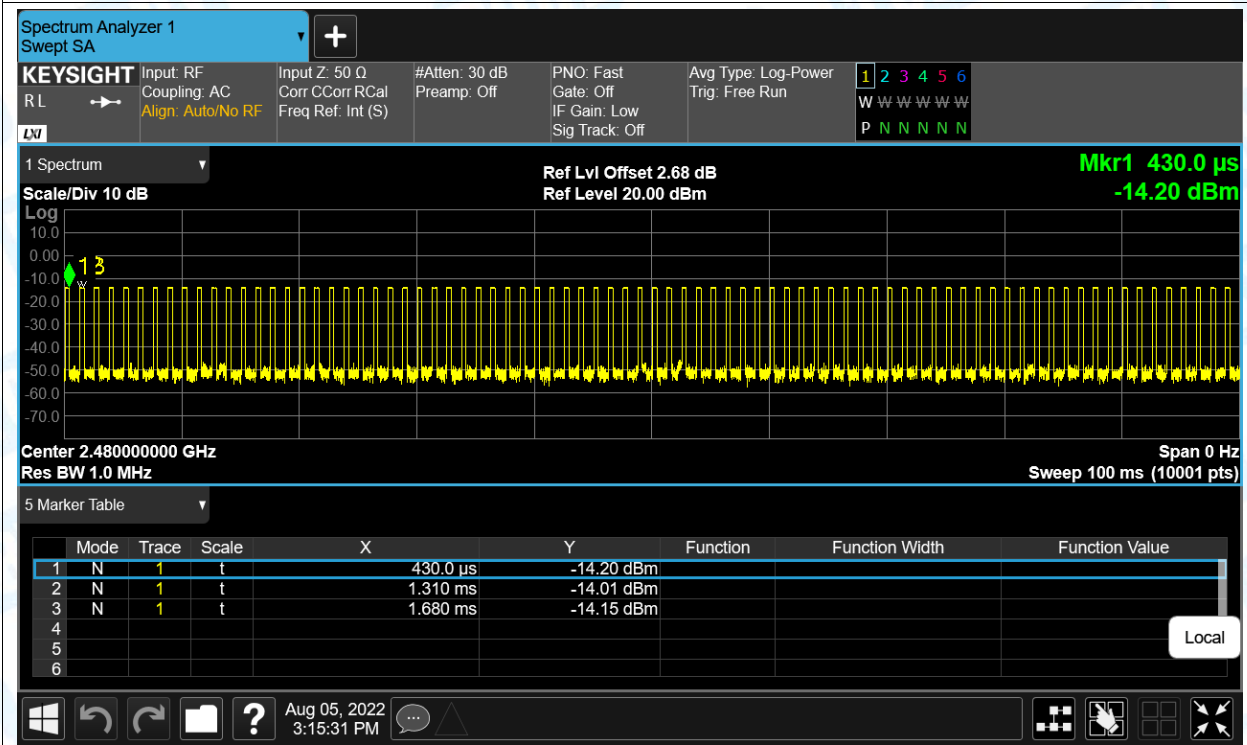
Duty Cycle NVNT 1-DH1 2402MHz Ant1



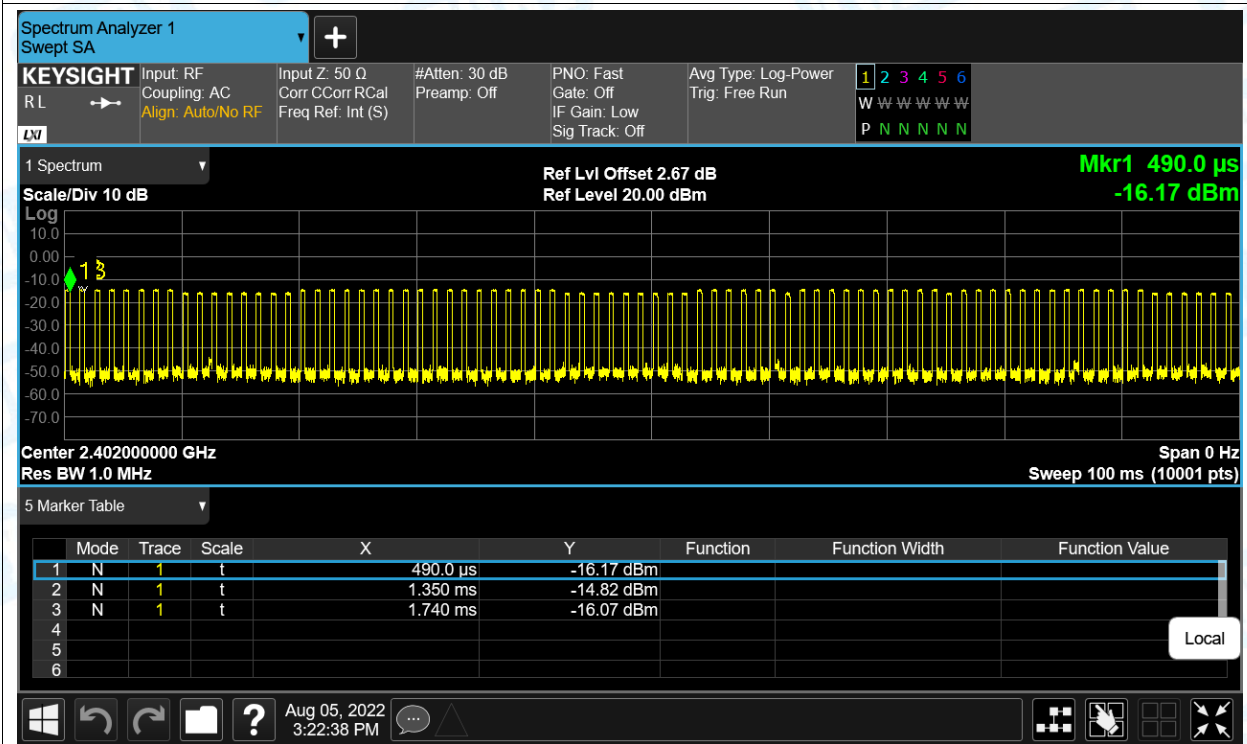
Duty Cycle NVNT 1-DH1 2441MHz Ant1



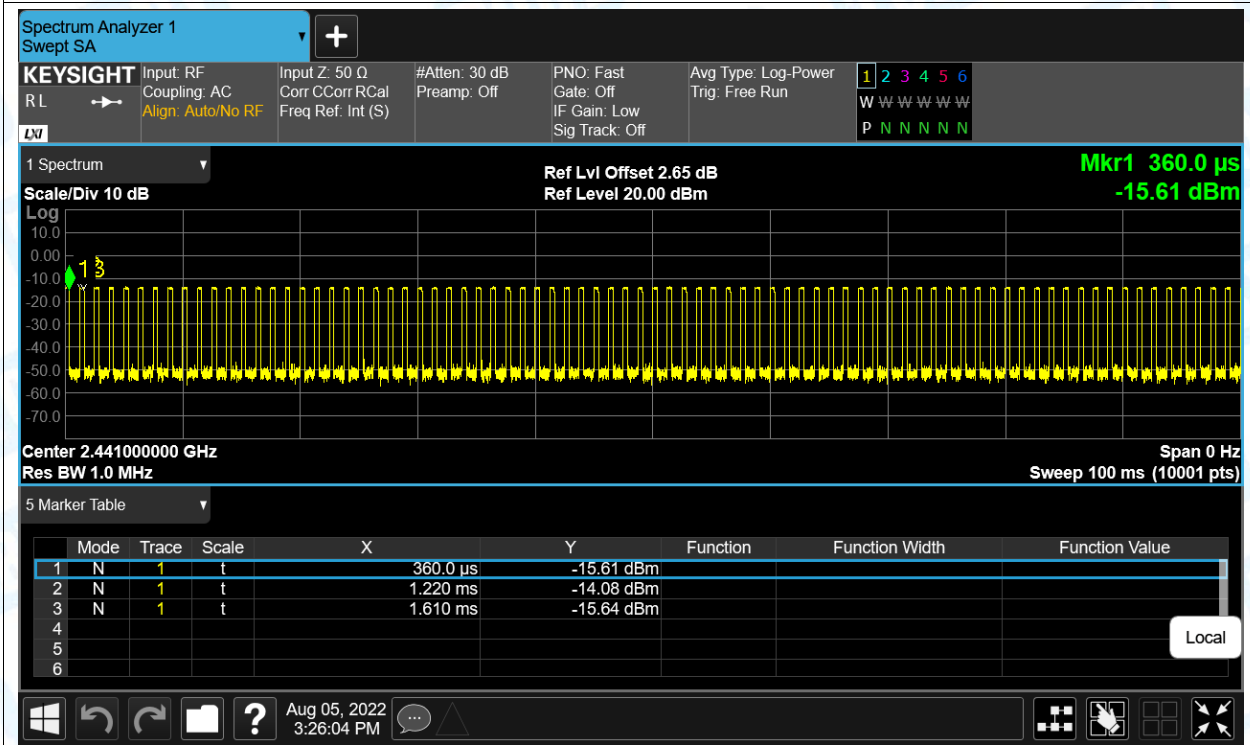
Duty Cycle NVNT 1-DH1 2480MHz Ant1



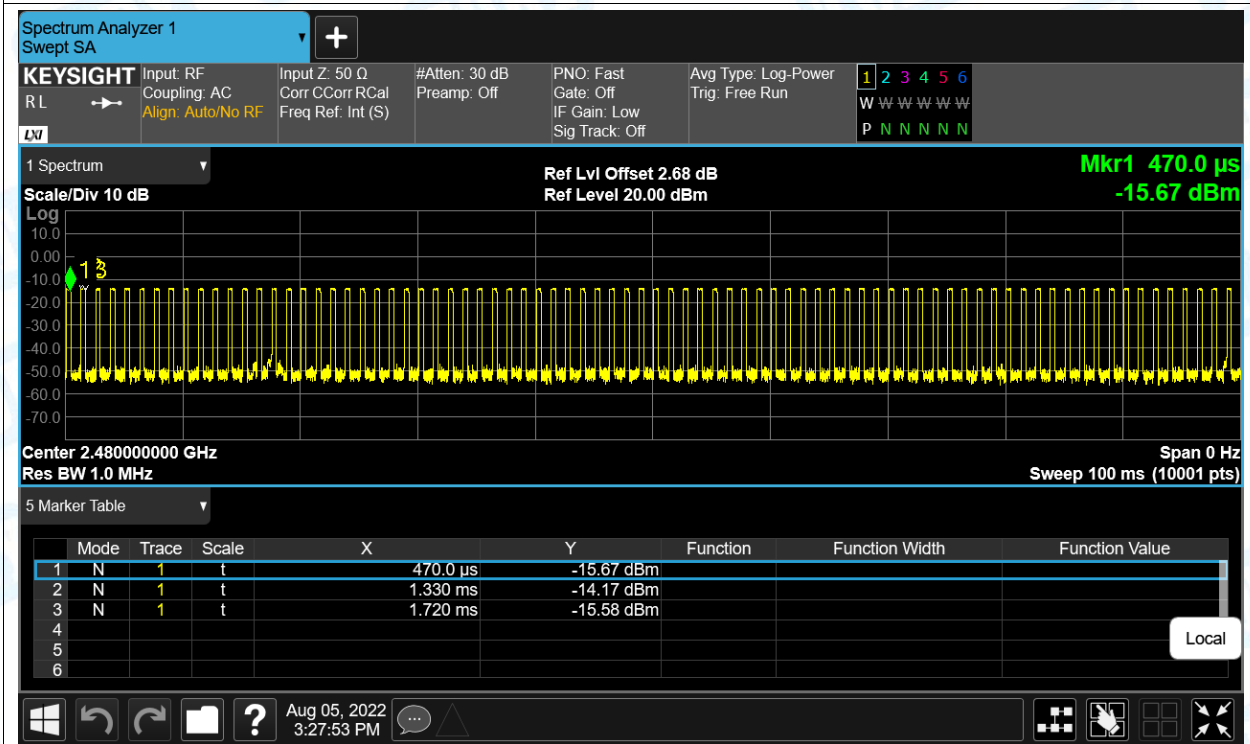
Duty Cycle NVNT 2-DH1 2402MHz Ant1



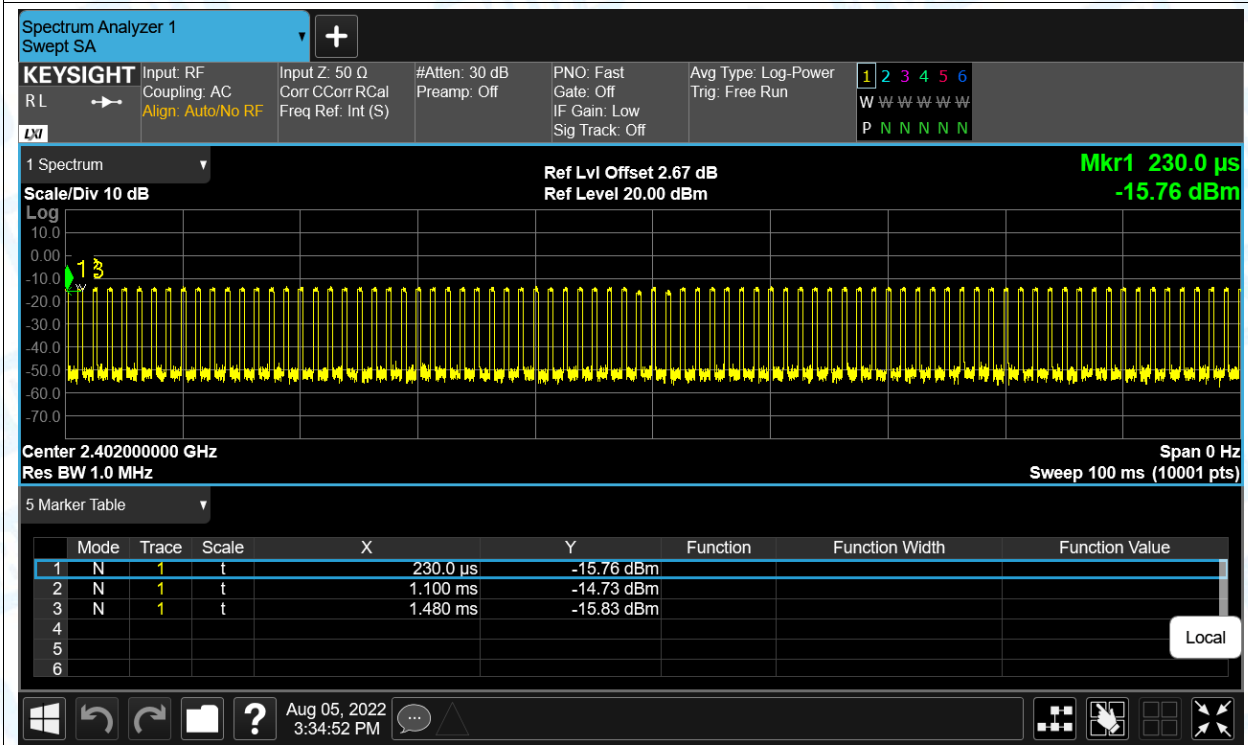
Duty Cycle NVNT 2-DH1 2441MHz Ant1



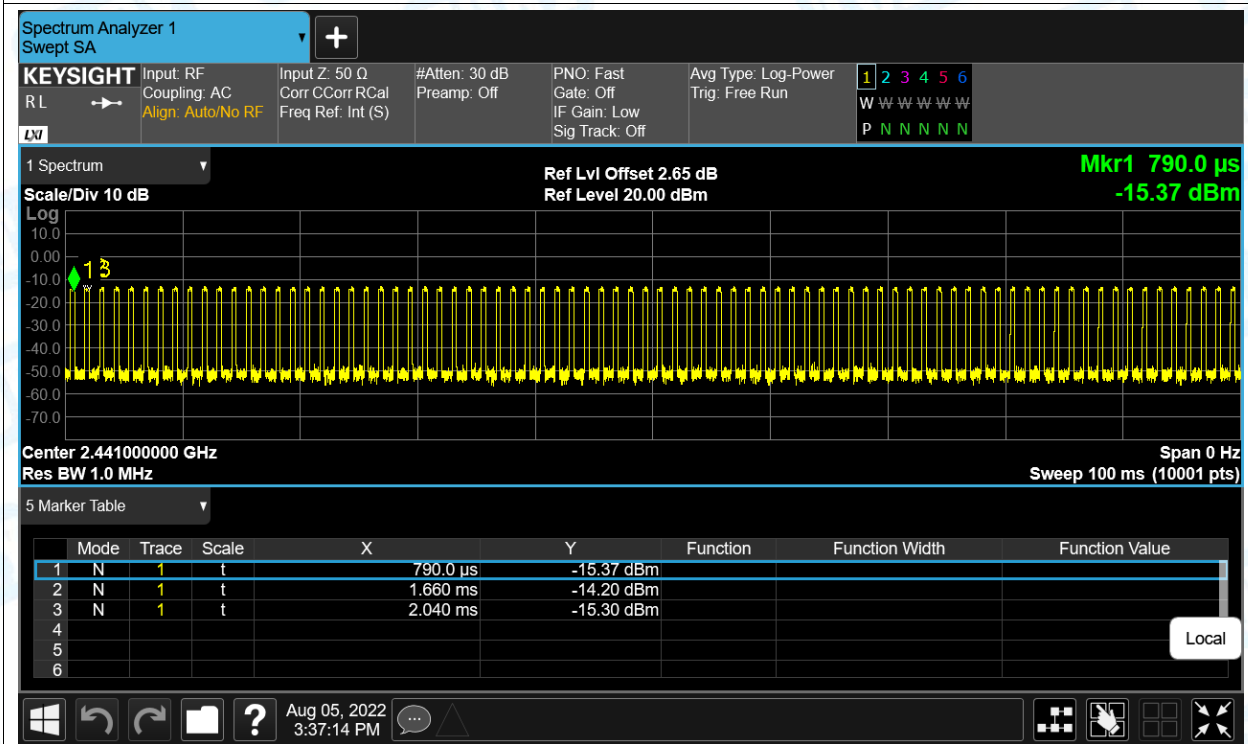
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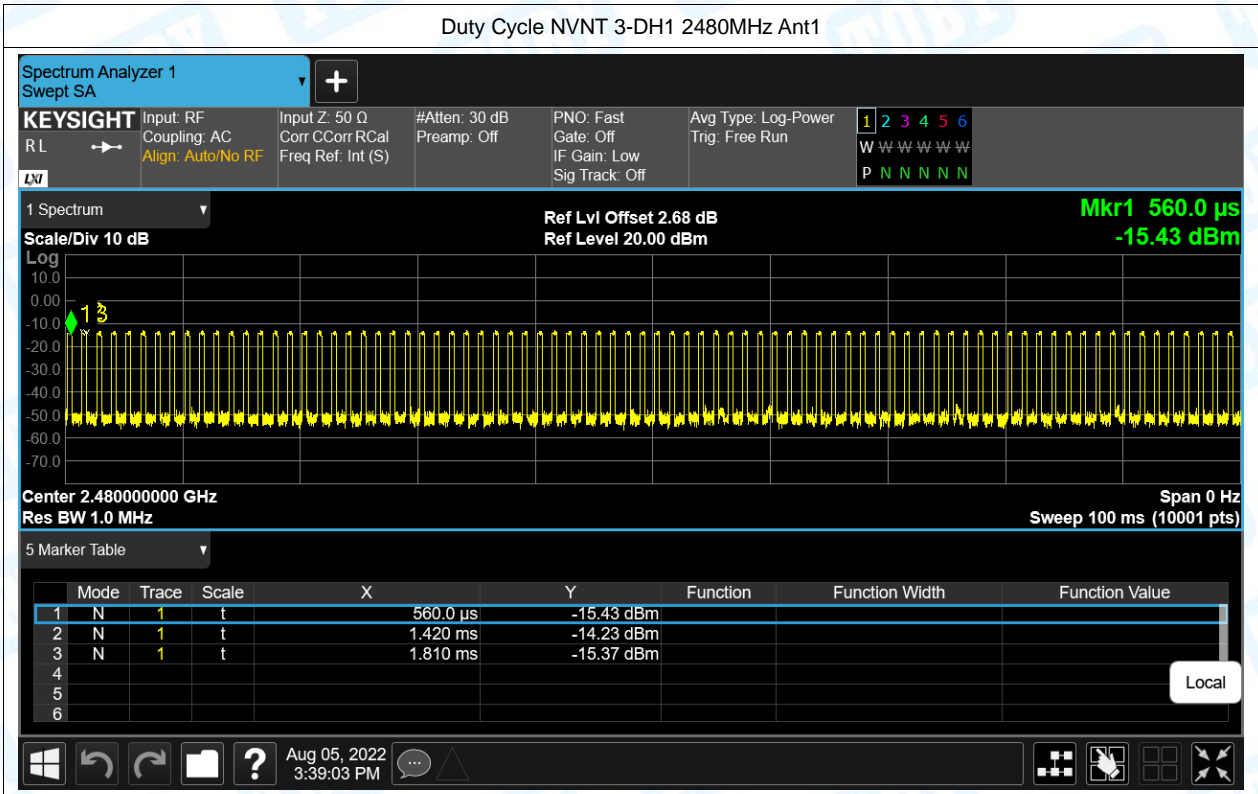


Duty Cycle NVNT 3-DH1 2402MHz Ant1



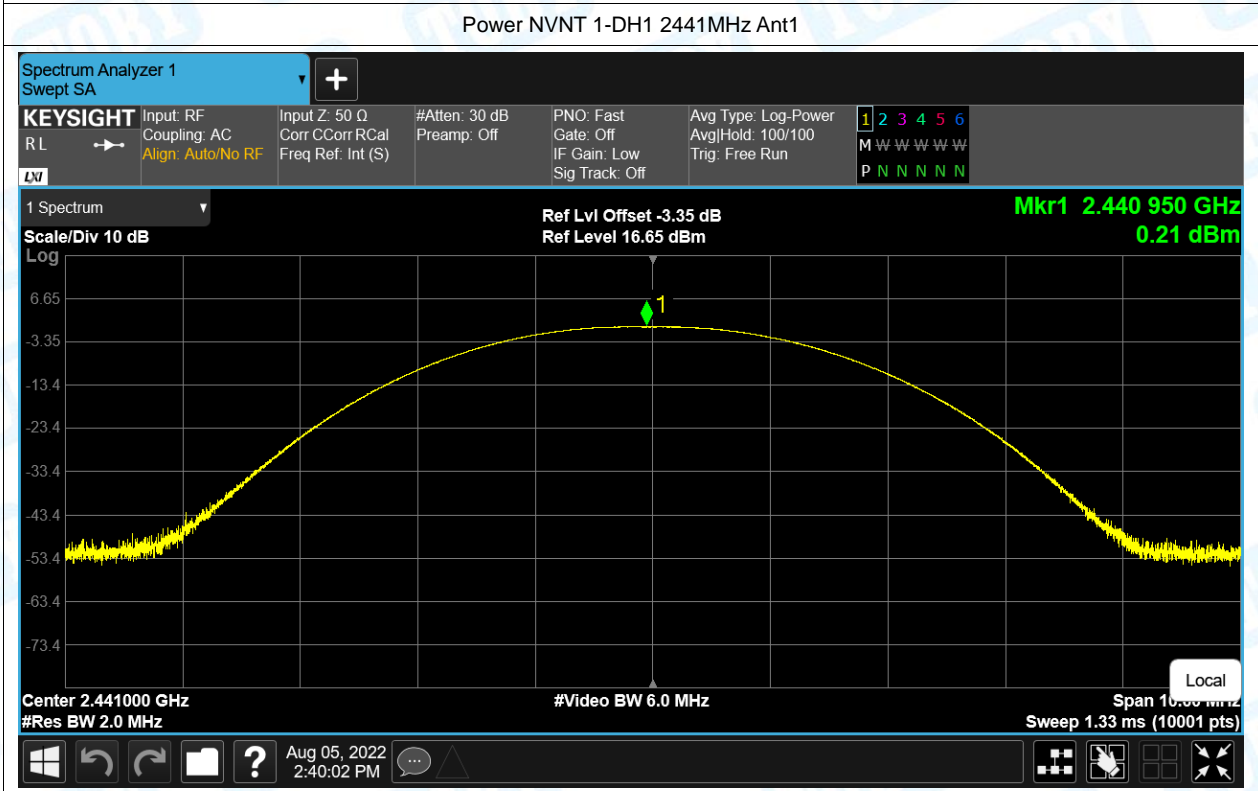
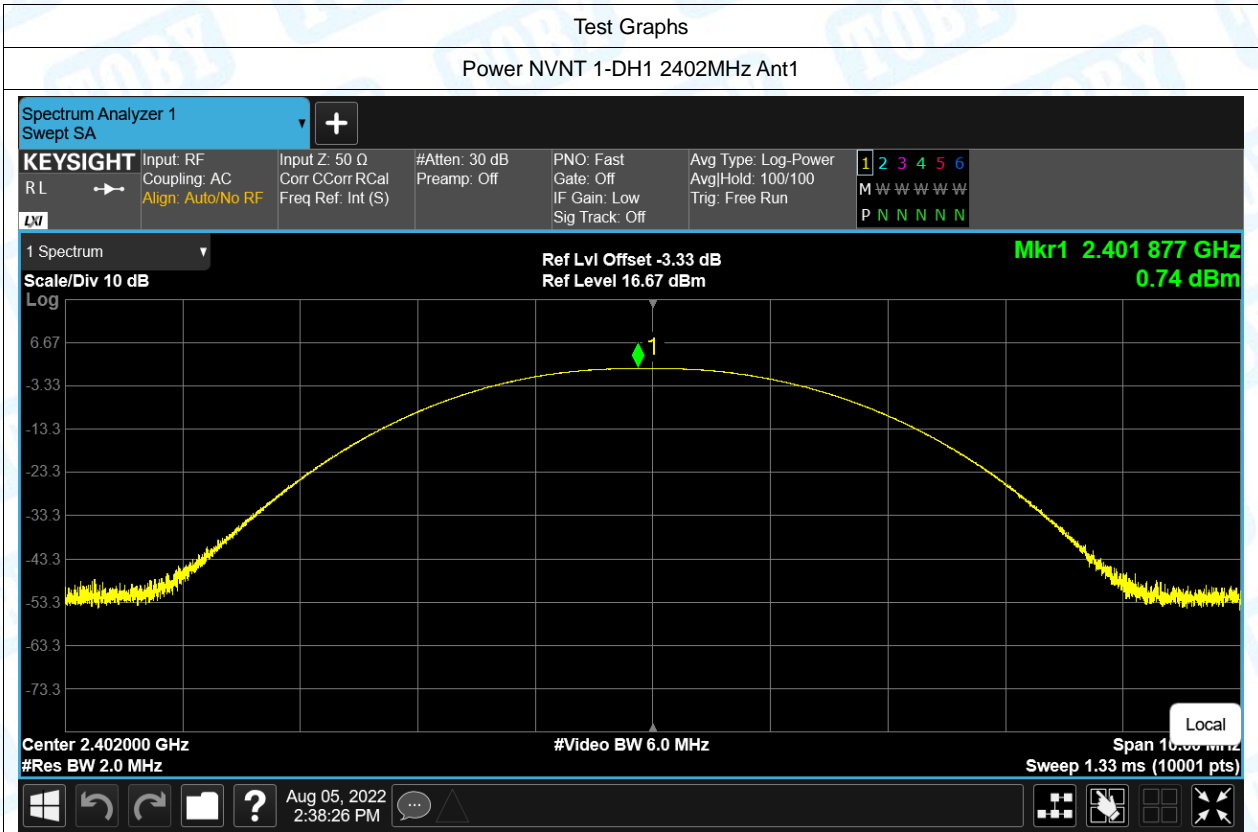
Duty Cycle NVNT 3-DH1 2441MHz Ant1



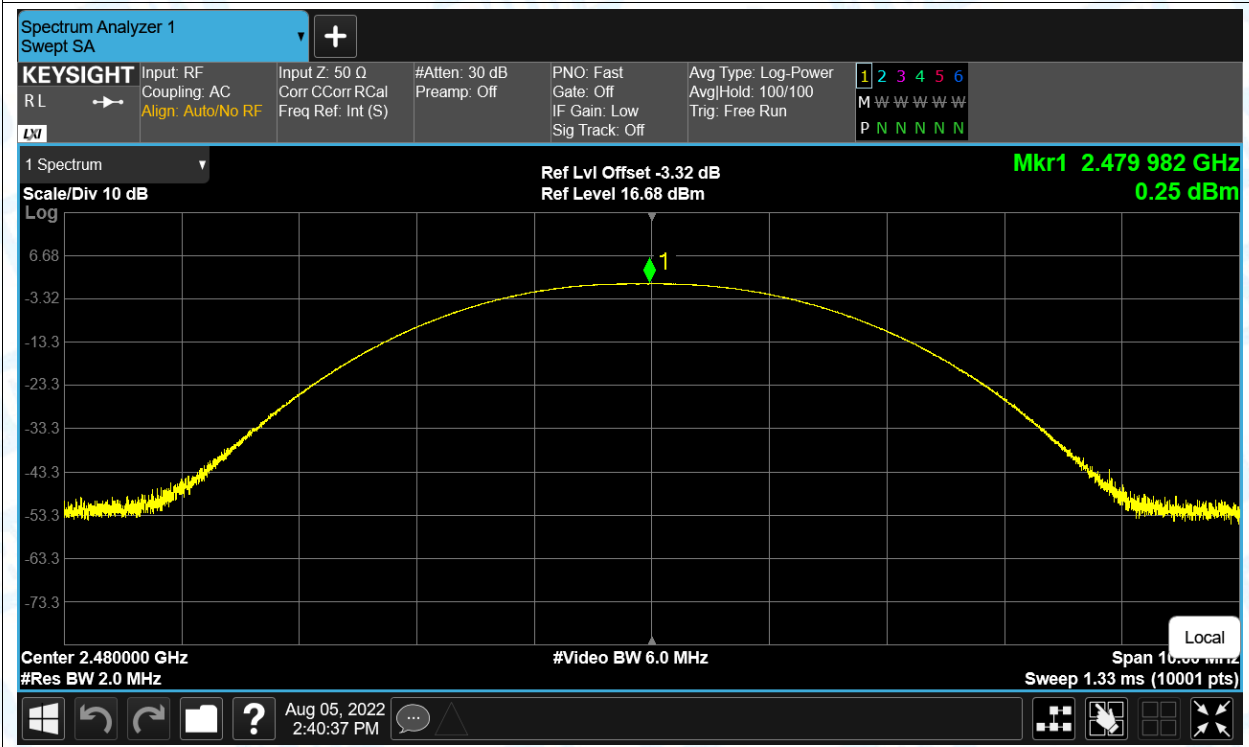


2. Maximum Conducted Output Power

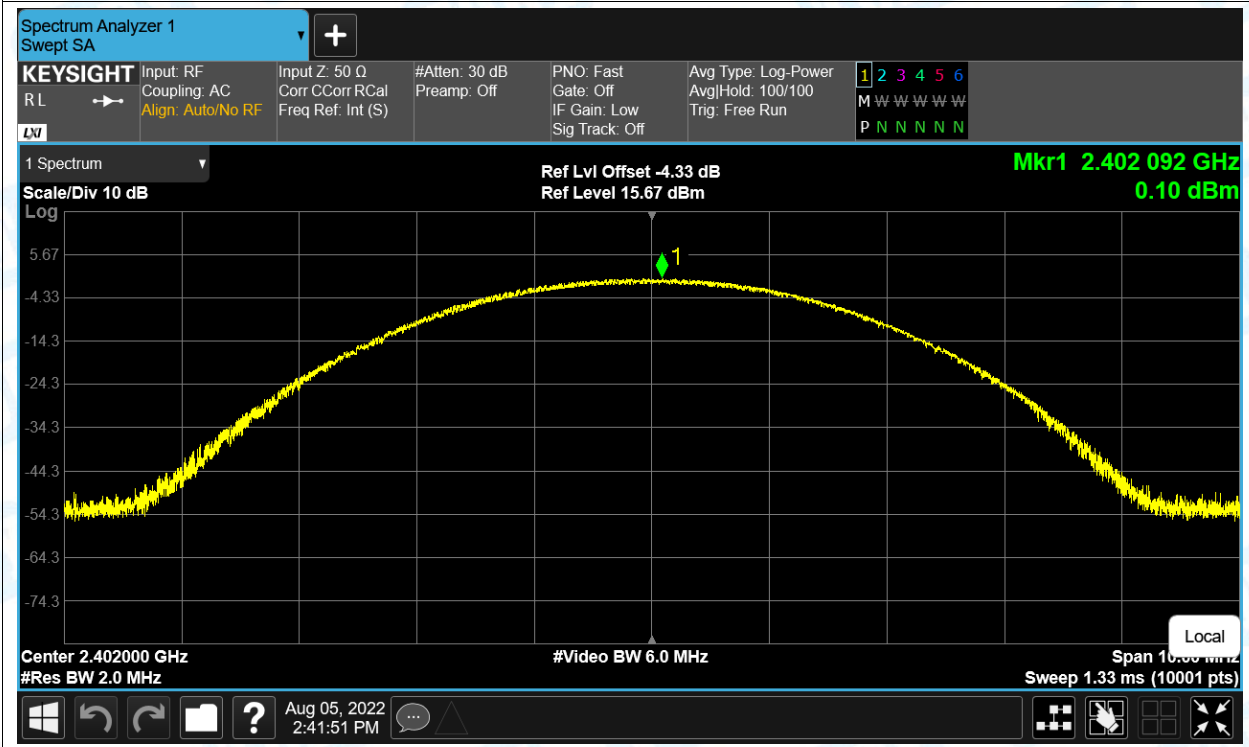
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	0.74	21	Pass
NVNT	1-DH1	2441	Ant1	0.208	21	Pass
NVNT	1-DH1	2480	Ant1	0.255	21	Pass
NVNT	2-DH1	2402	Ant1	0.103	21	Pass
NVNT	2-DH1	2441	Ant1	-0.474	21	Pass
NVNT	2-DH1	2480	Ant1	-0.402	21	Pass
NVNT	3-DH1	2402	Ant1	0.823	21	Pass
NVNT	3-DH1	2441	Ant1	0.226	21	Pass
NVNT	3-DH1	2480	Ant1	0.312	21	Pass



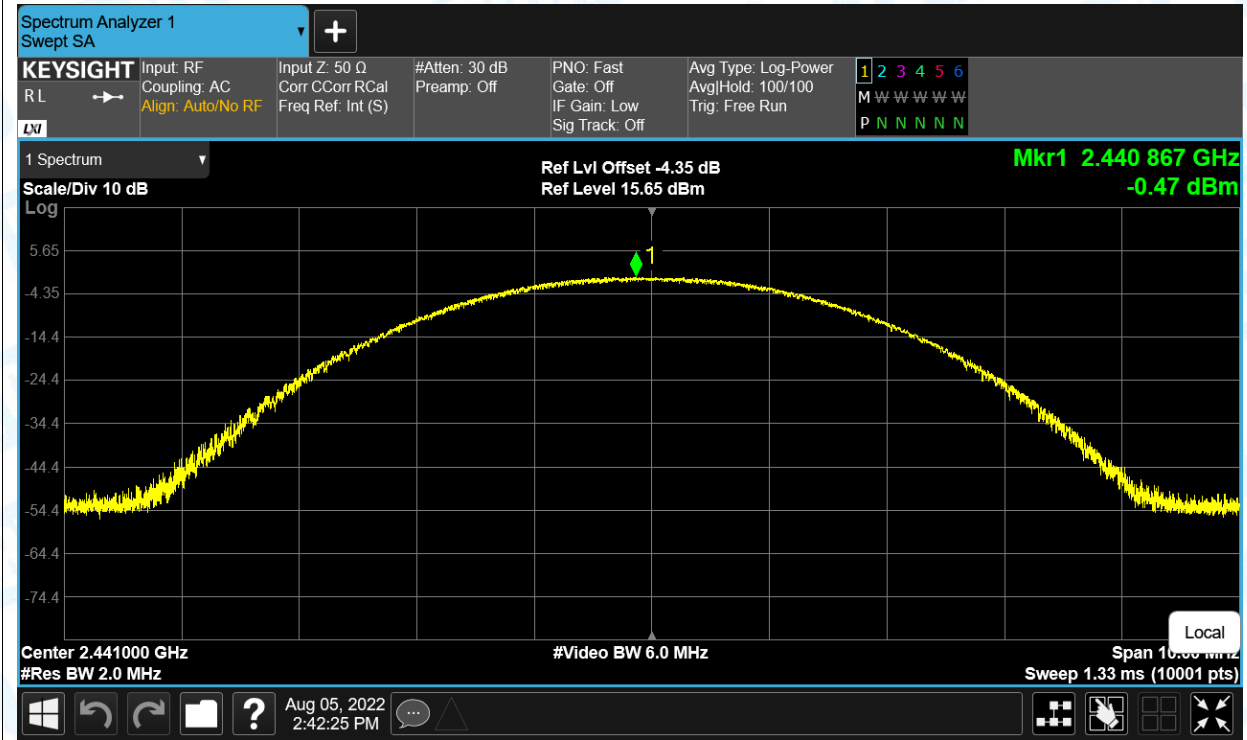
Power NVNT 1-DH1 2480MHz Ant1



Power NVNT 2-DH1 2402MHz Ant1

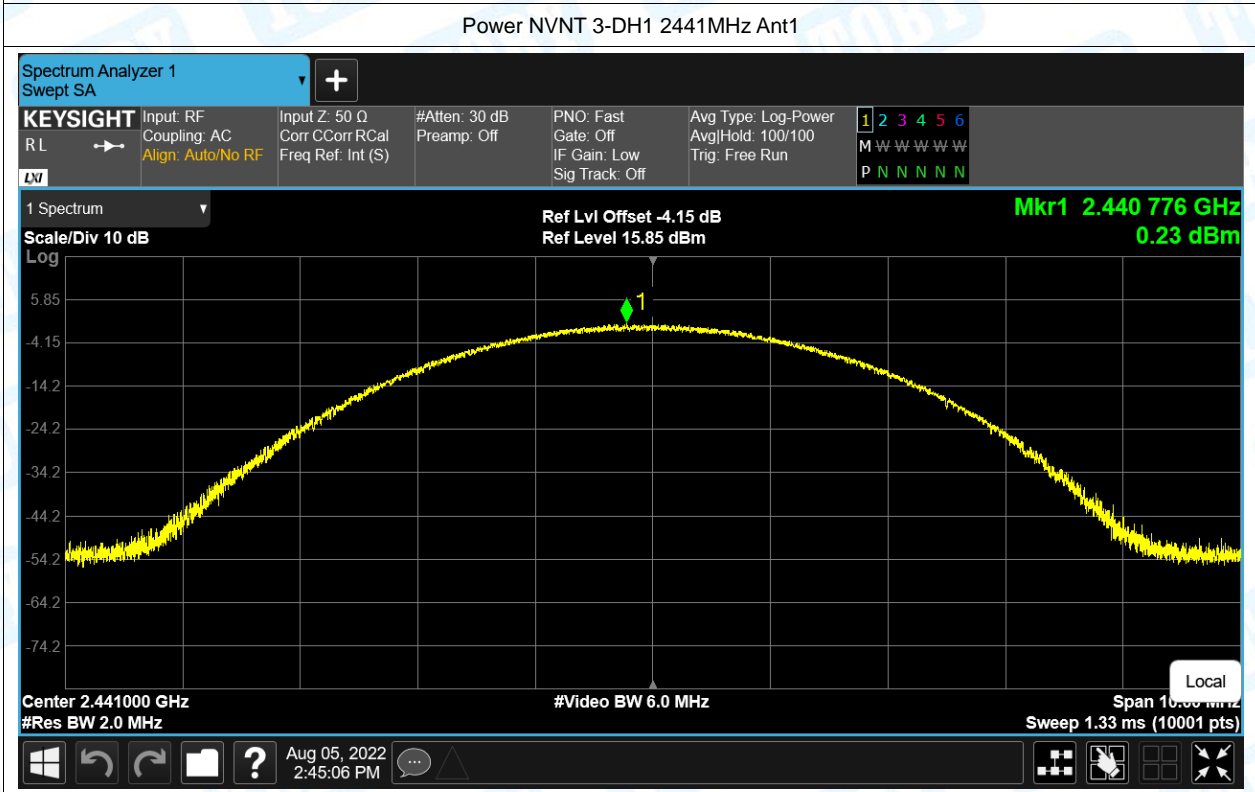


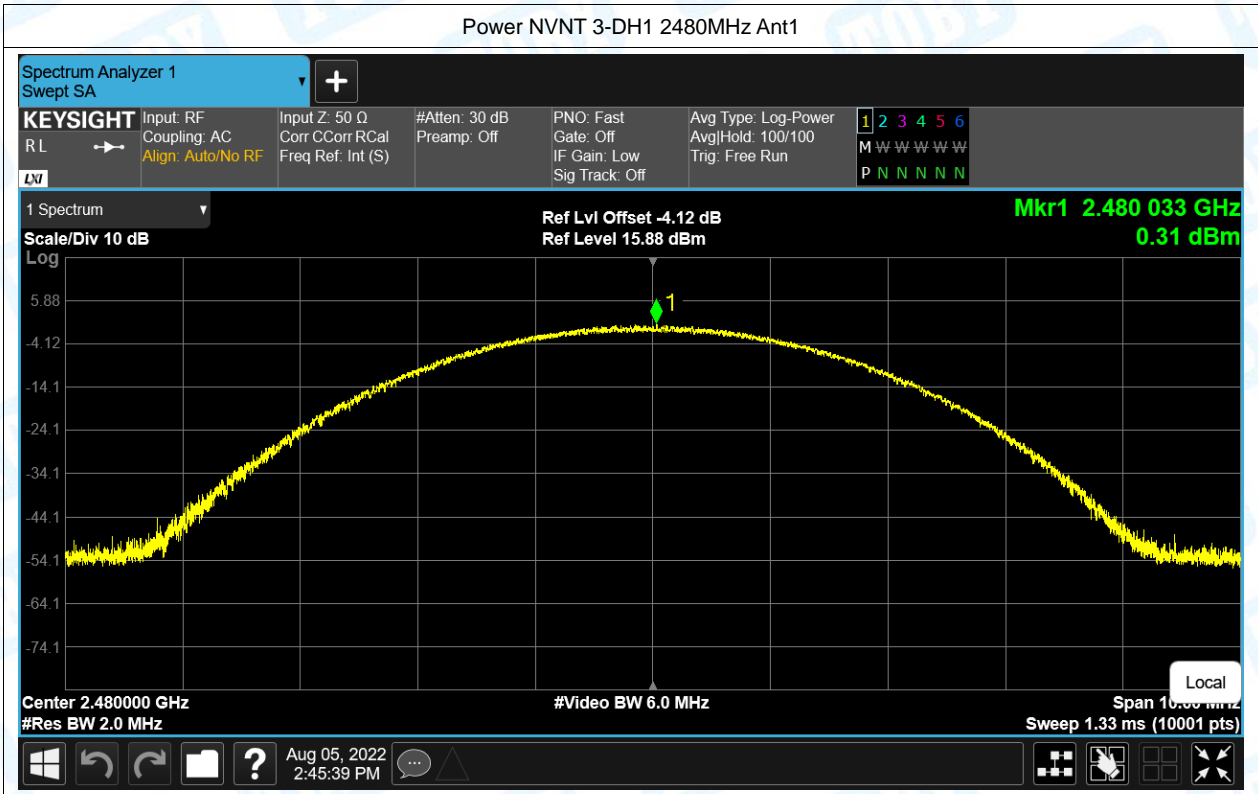
Power NVNT 2-DH1 2441MHz Ant1



Power NVNT 2-DH1 2480MHz Ant1

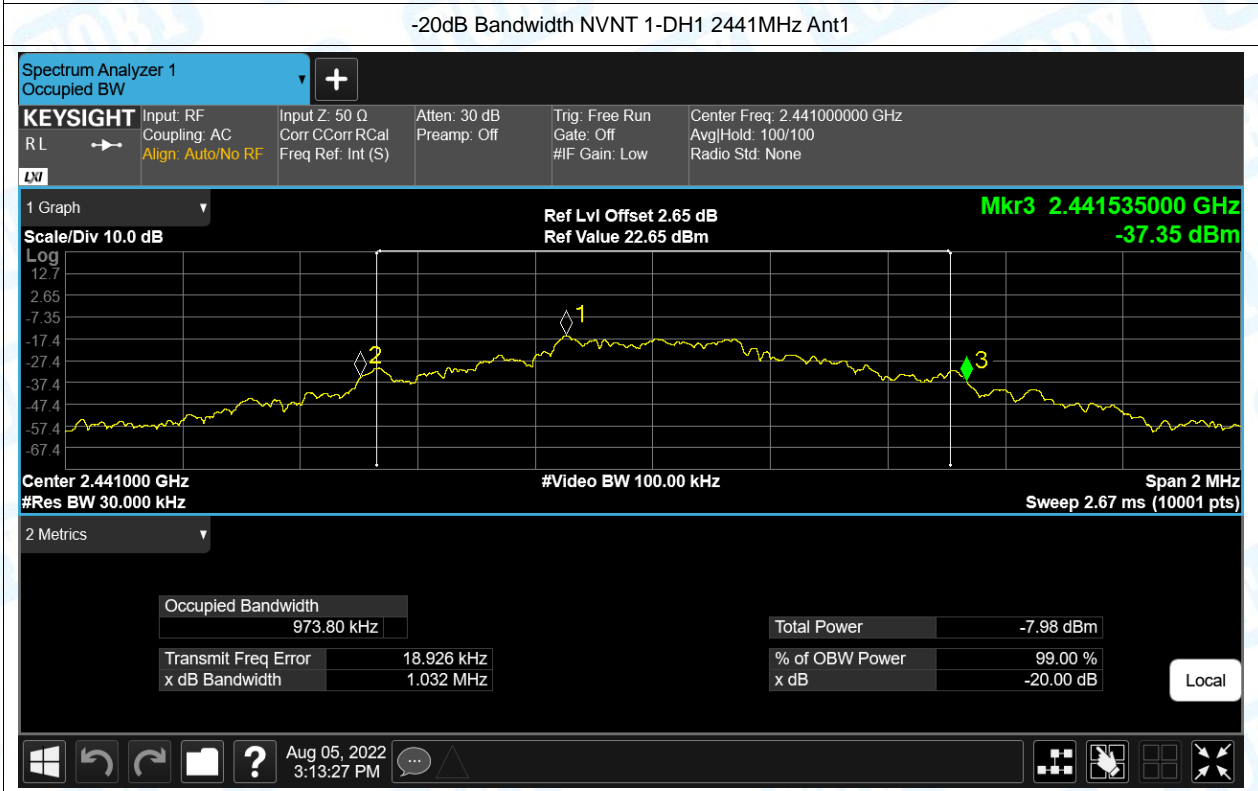
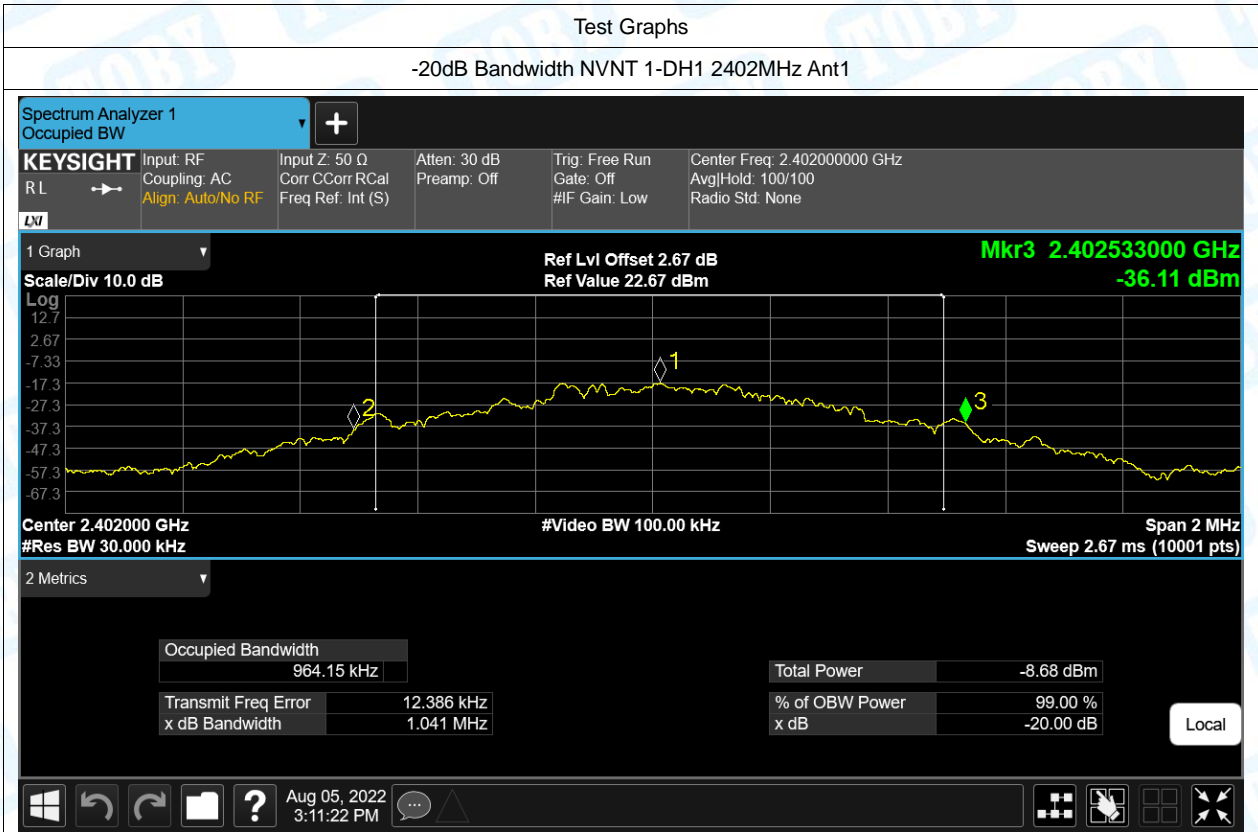


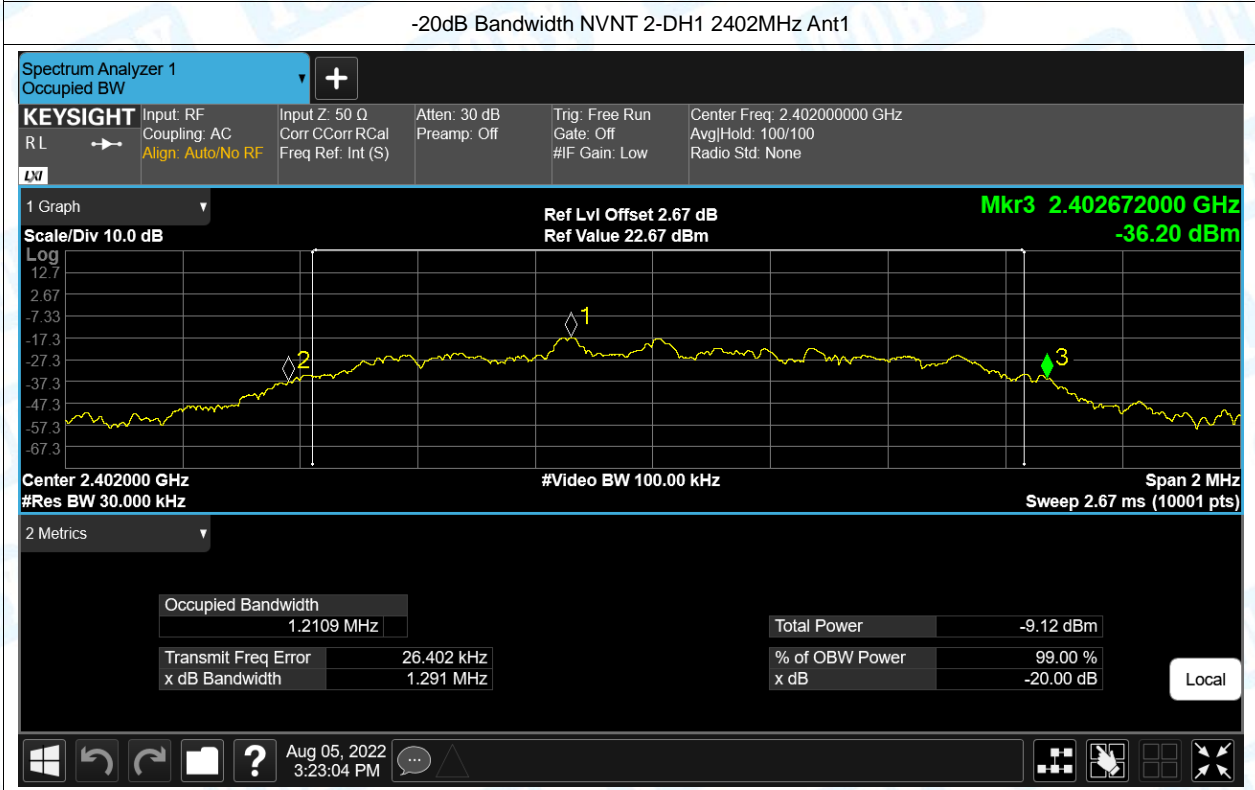
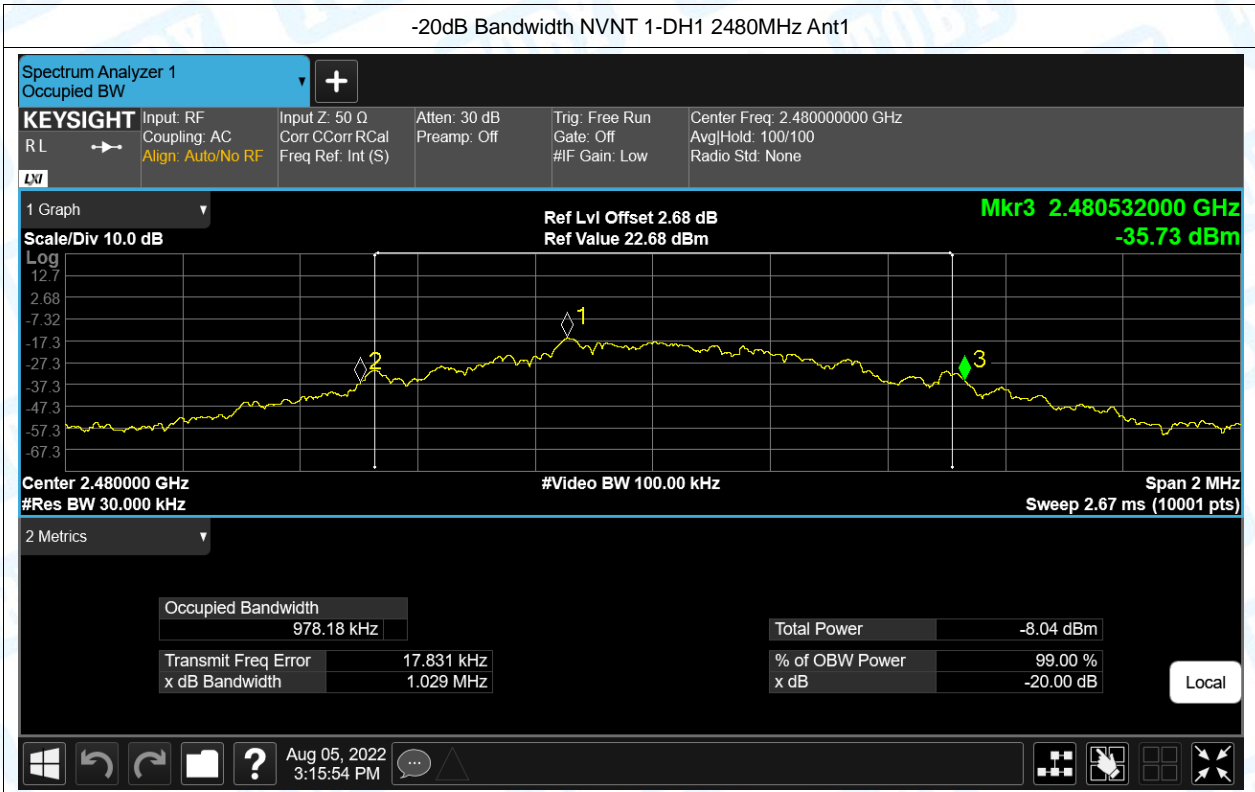




3. -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	1.04	0	Pass
NVNT	1-DH1	2441	Ant1	1.03	0	Pass
NVNT	1-DH1	2480	Ant1	1.03	0	Pass
NVNT	2-DH1	2402	Ant1	1.29	0	Pass
NVNT	2-DH1	2441	Ant1	1.28	0	Pass
NVNT	2-DH1	2480	Ant1	1.27	0	Pass
NVNT	3-DH1	2402	Ant1	1.25	0	Pass
NVNT	3-DH1	2441	Ant1	1.26	0	Pass
NVNT	3-DH1	2480	Ant1	1.24	0	Pass

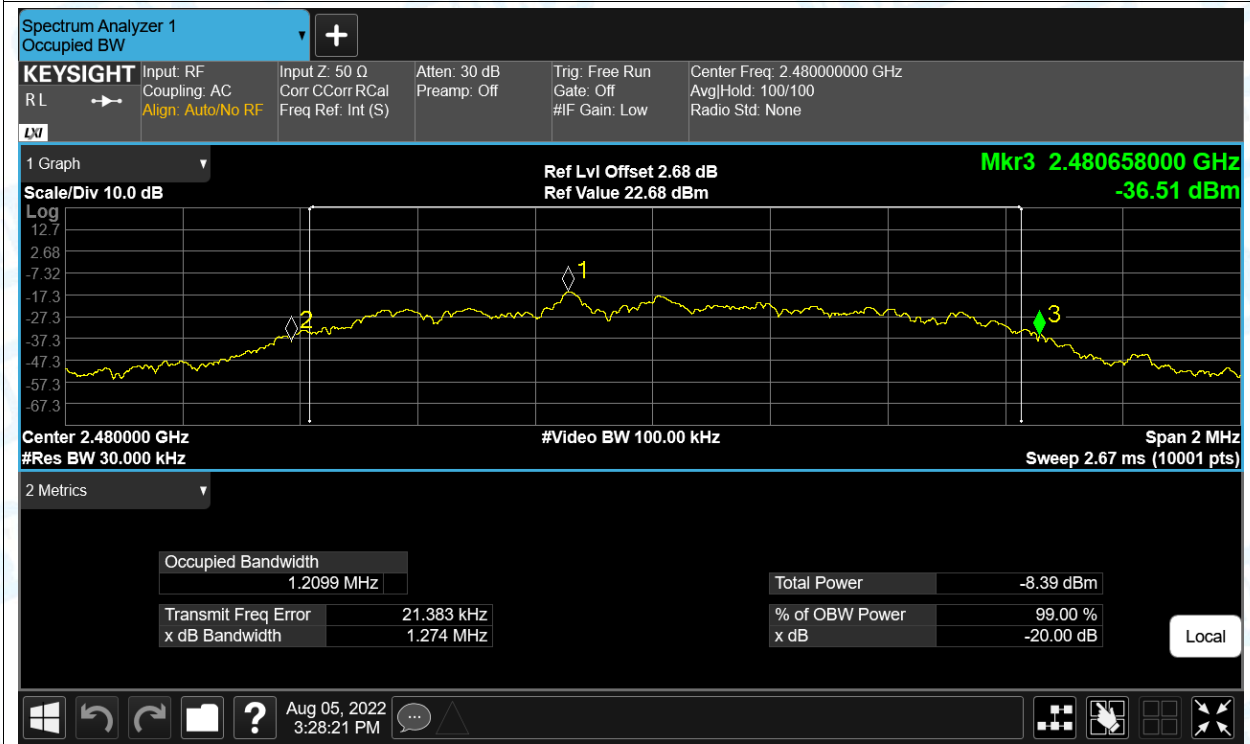


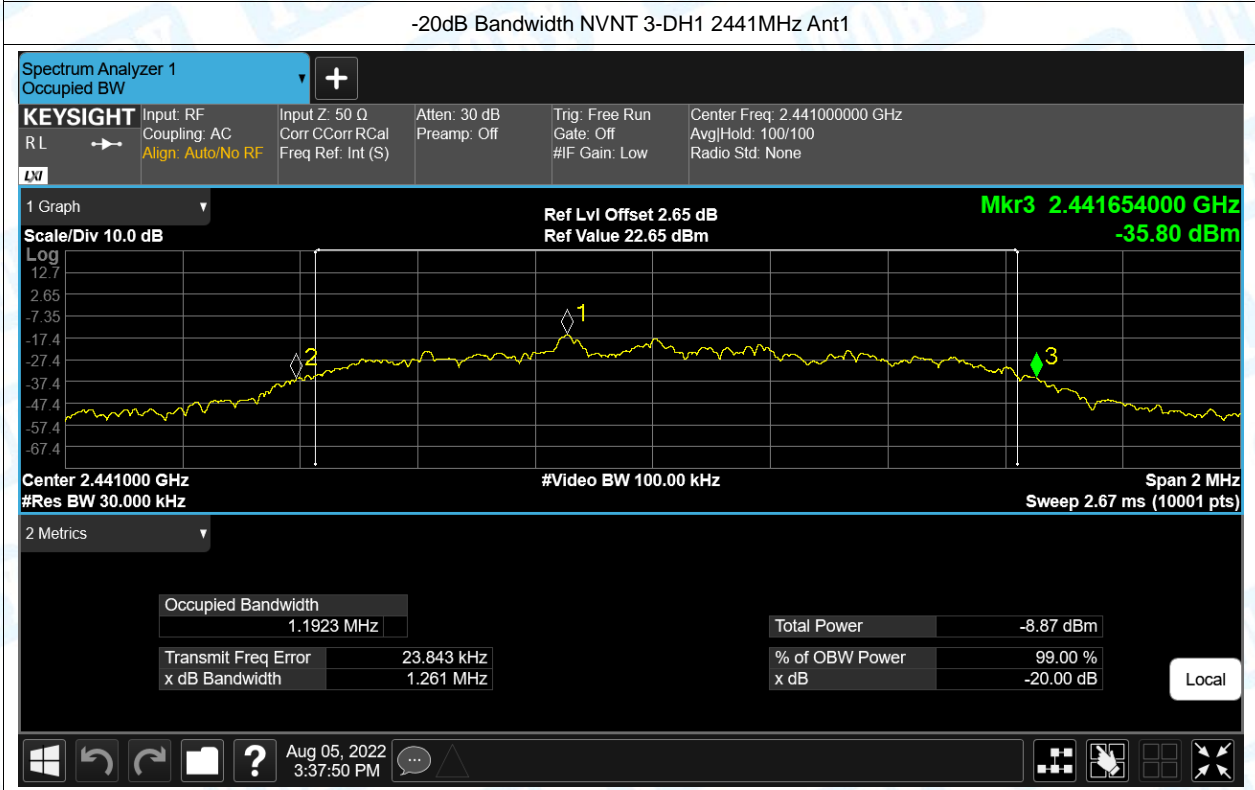
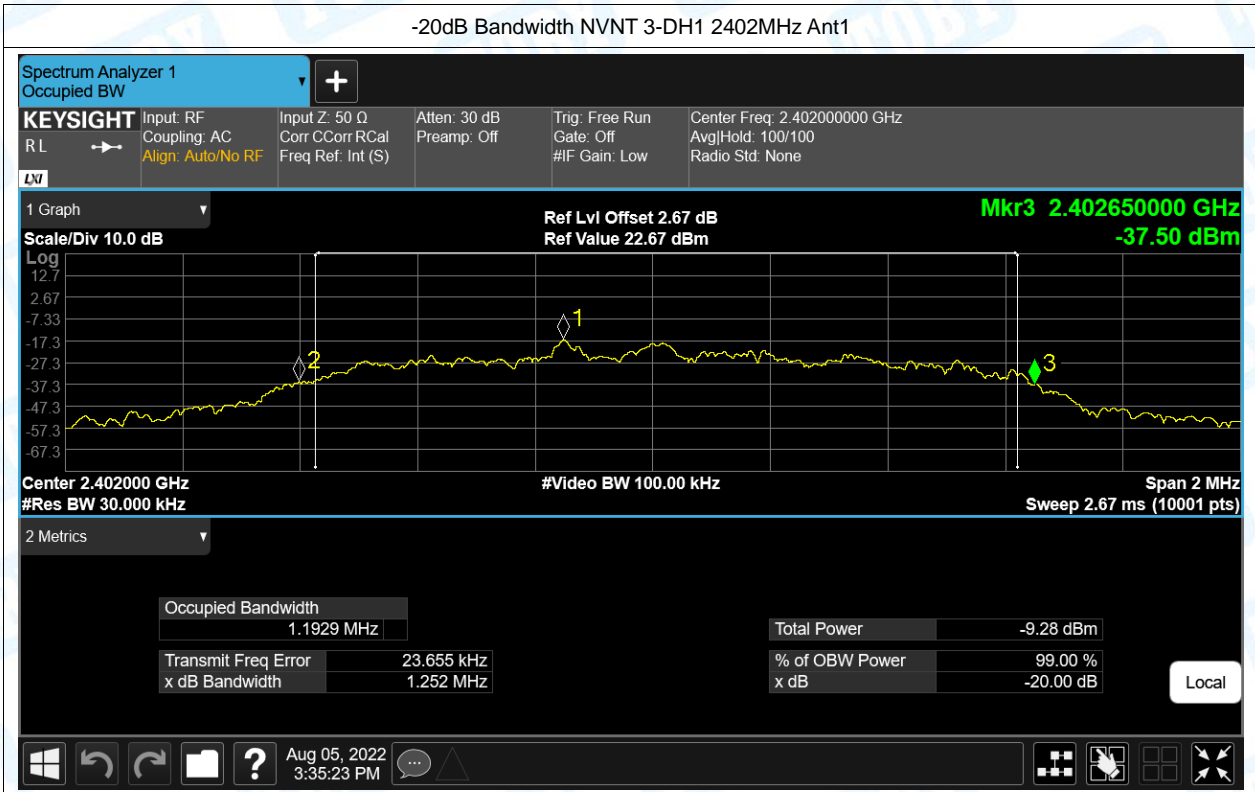


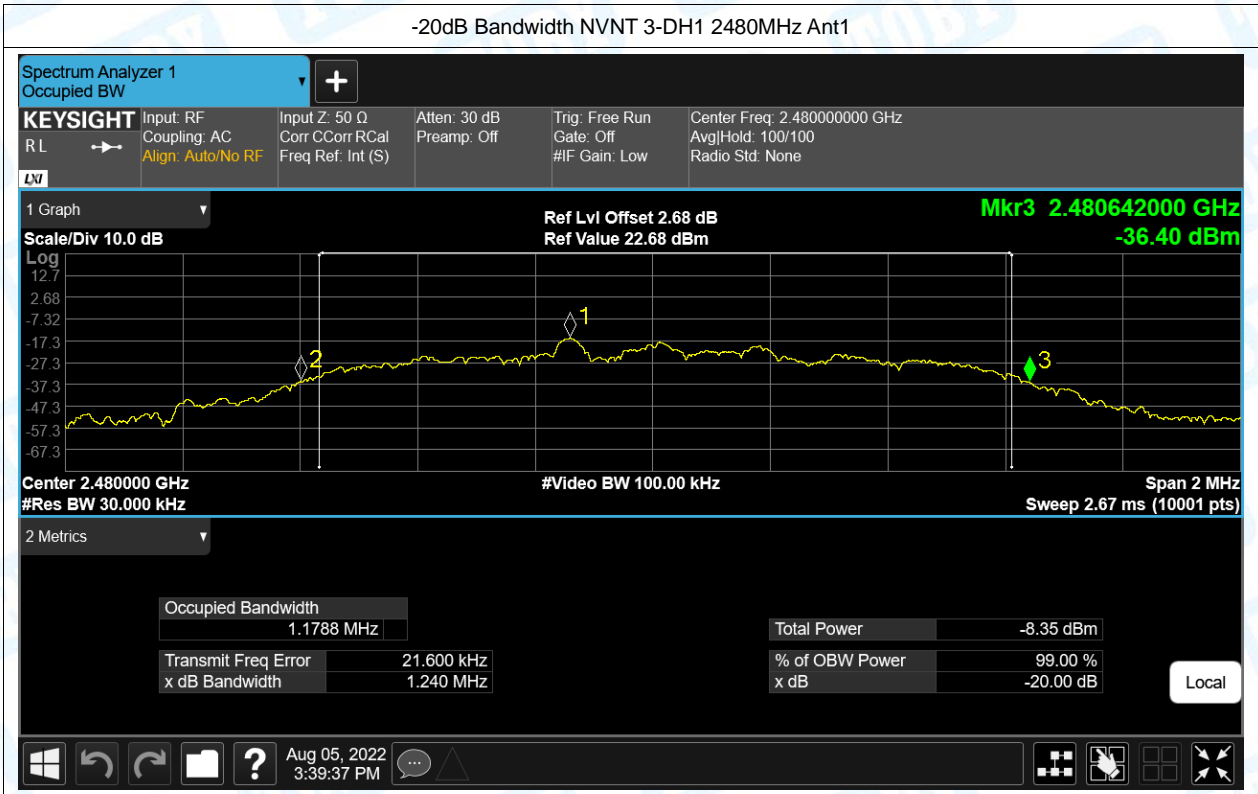
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1





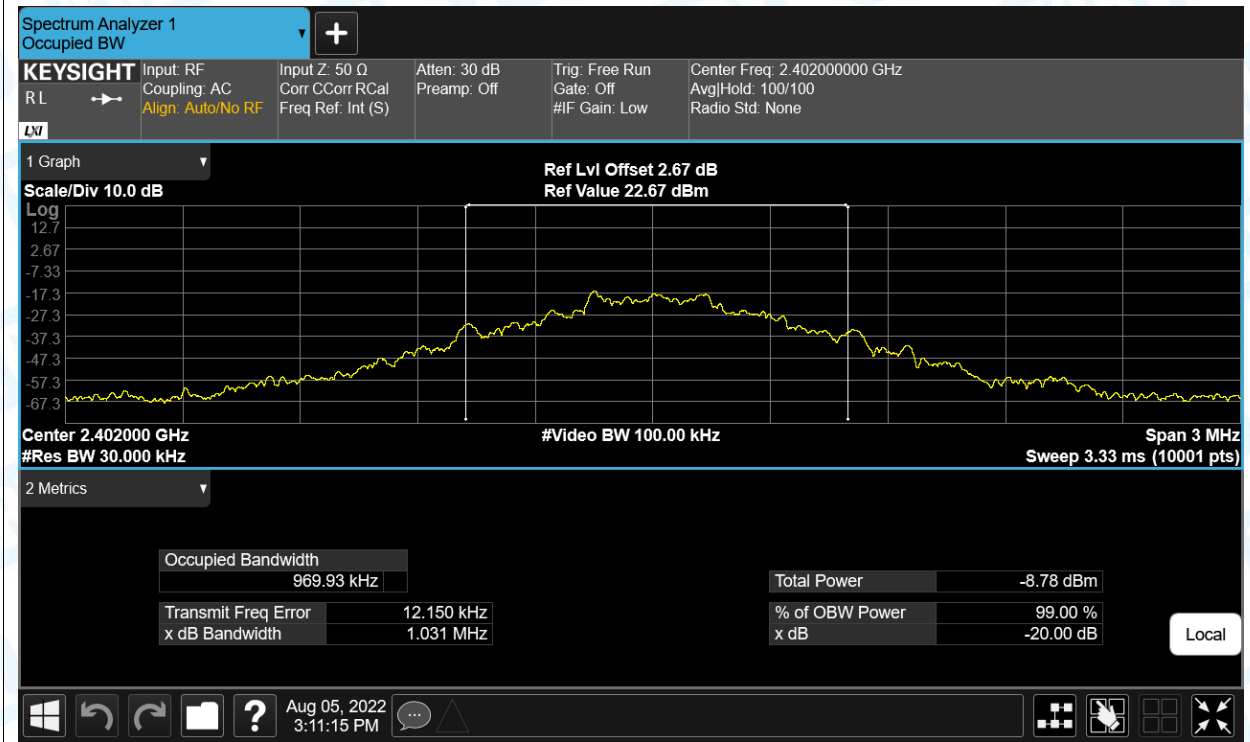


4. Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.97
NVNT	1-DH1	2441	Ant1	0.973
NVNT	1-DH1	2480	Ant1	0.979
NVNT	2-DH1	2402	Ant1	1.202
NVNT	2-DH1	2441	Ant1	1.214
NVNT	2-DH1	2480	Ant1	1.195
NVNT	3-DH1	2402	Ant1	1.192
NVNT	3-DH1	2441	Ant1	1.189
NVNT	3-DH1	2480	Ant1	1.178

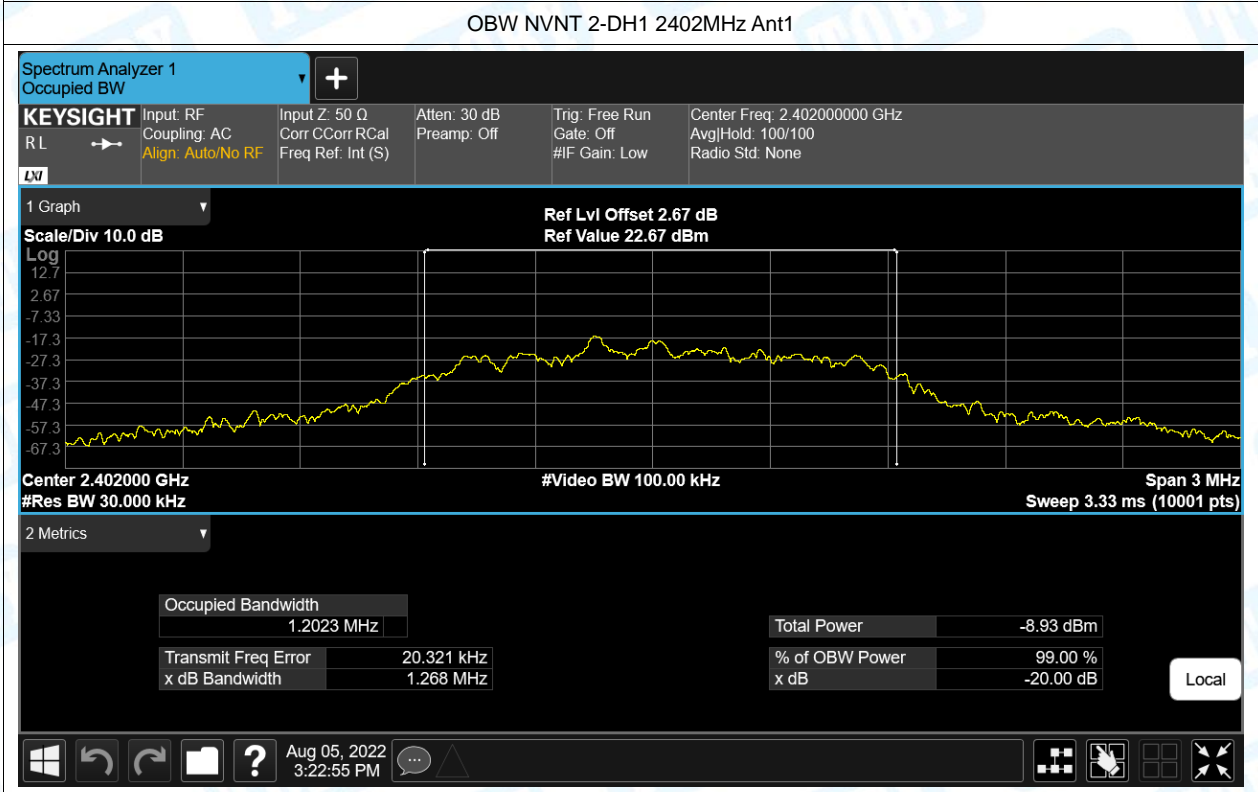
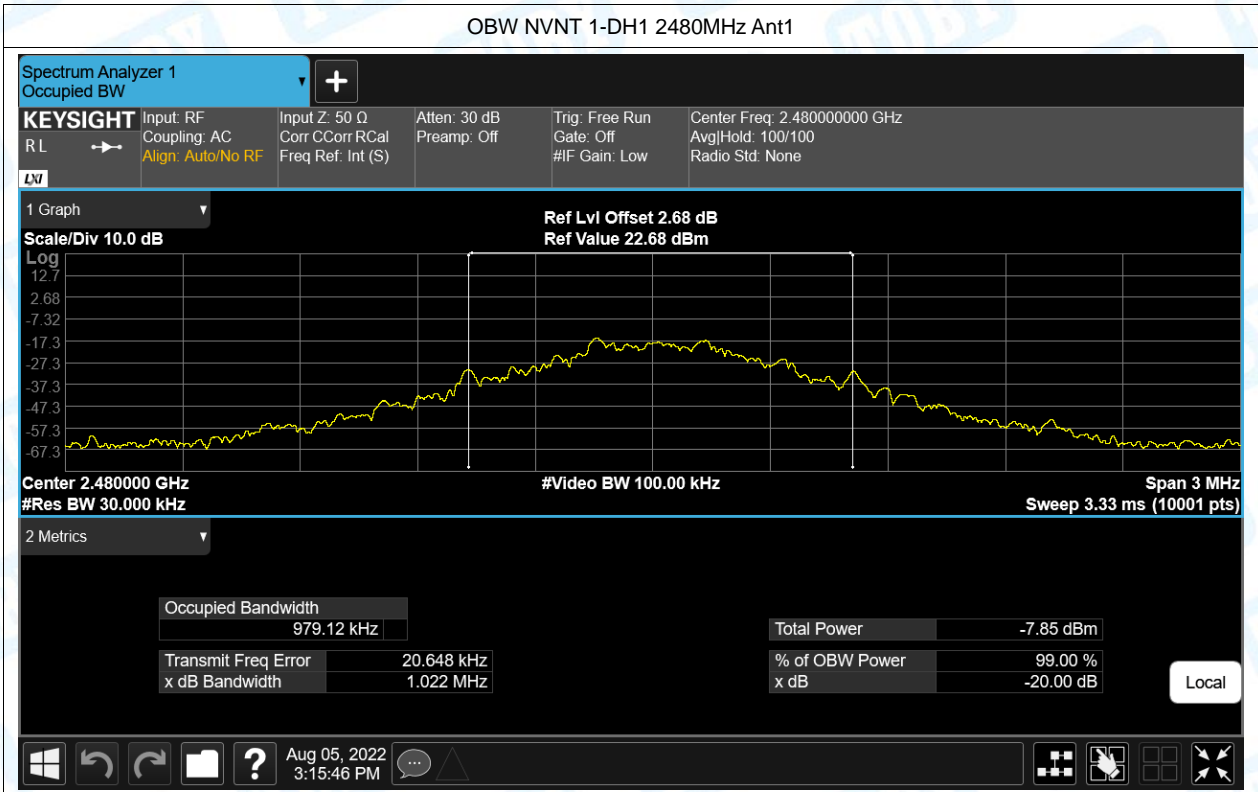
Test Graphs

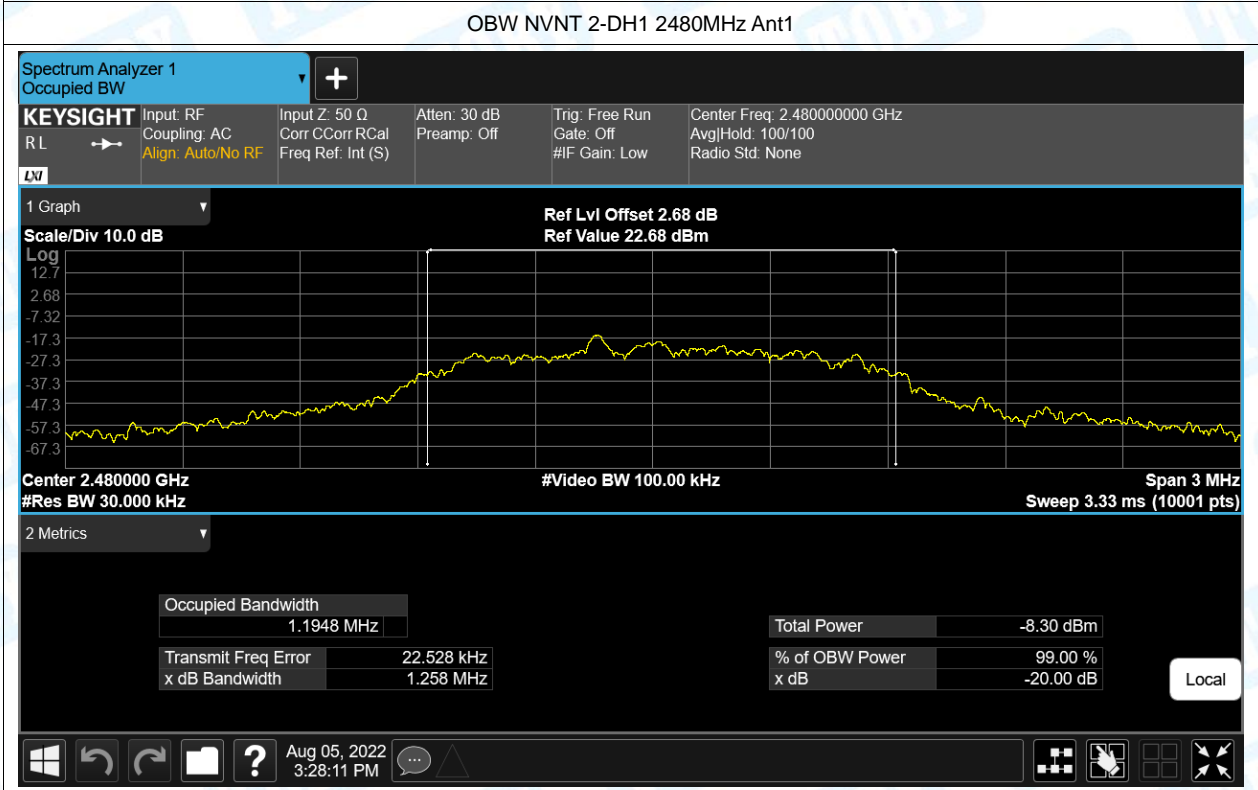
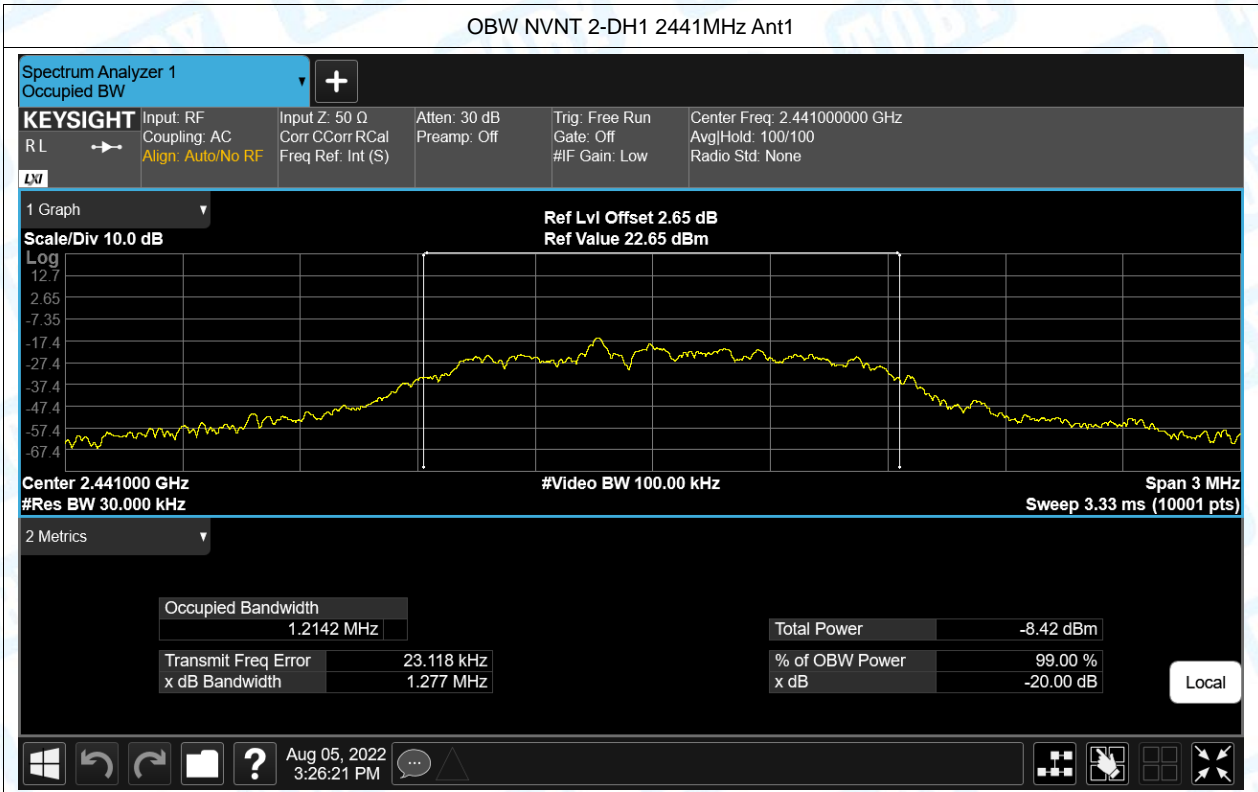
OBW NVNT 1-DH1 2402MHz Ant1

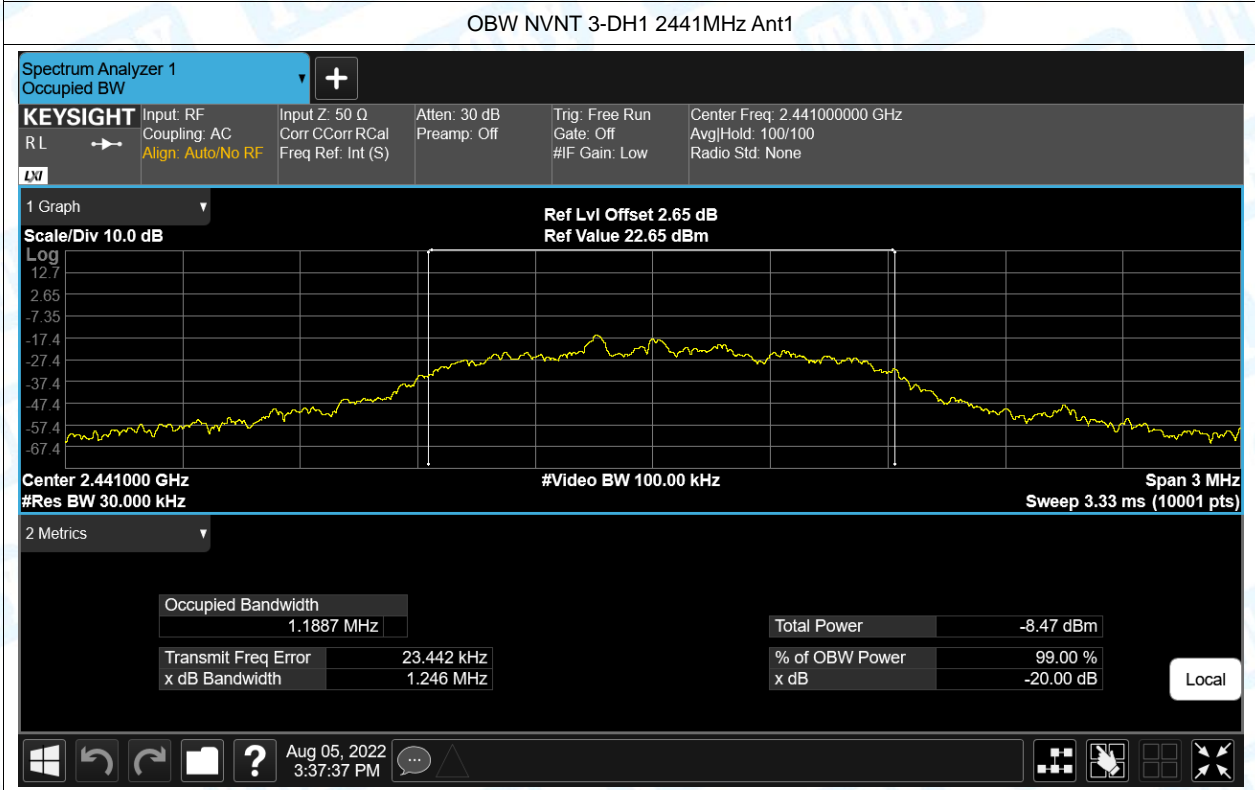
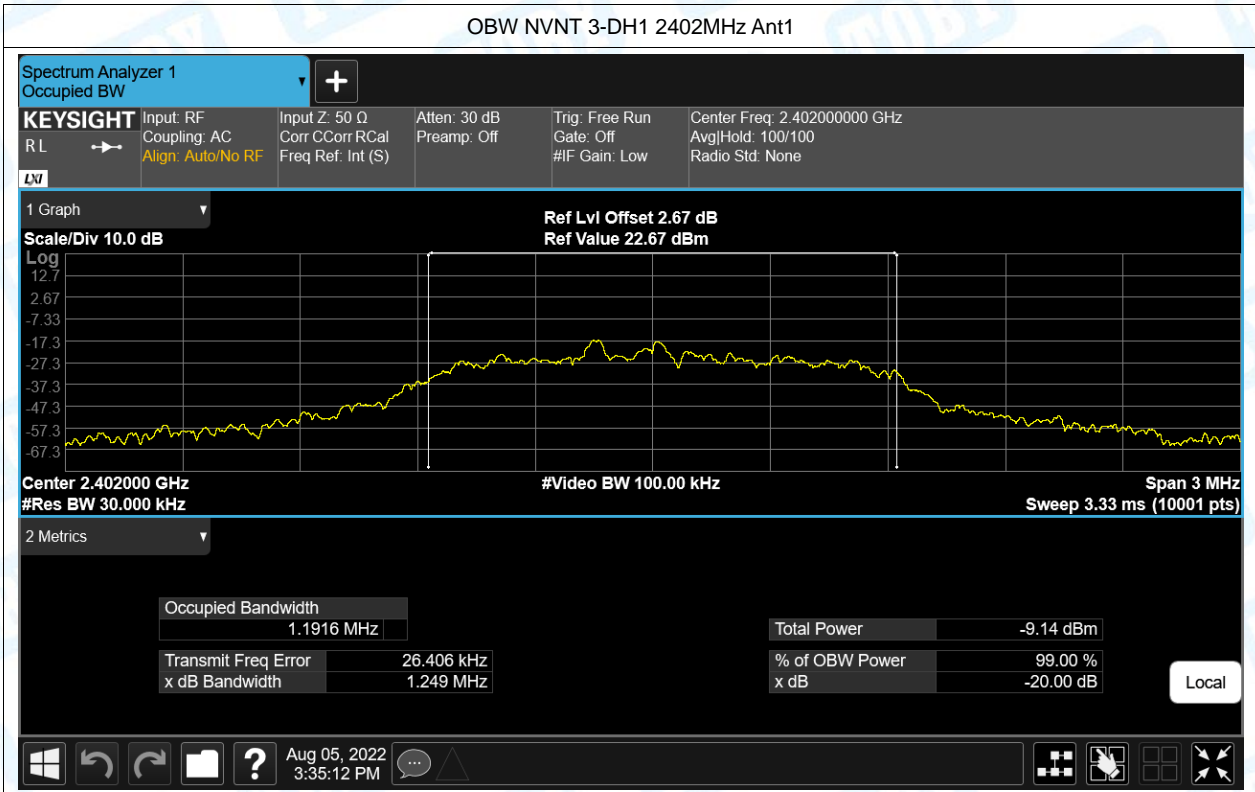


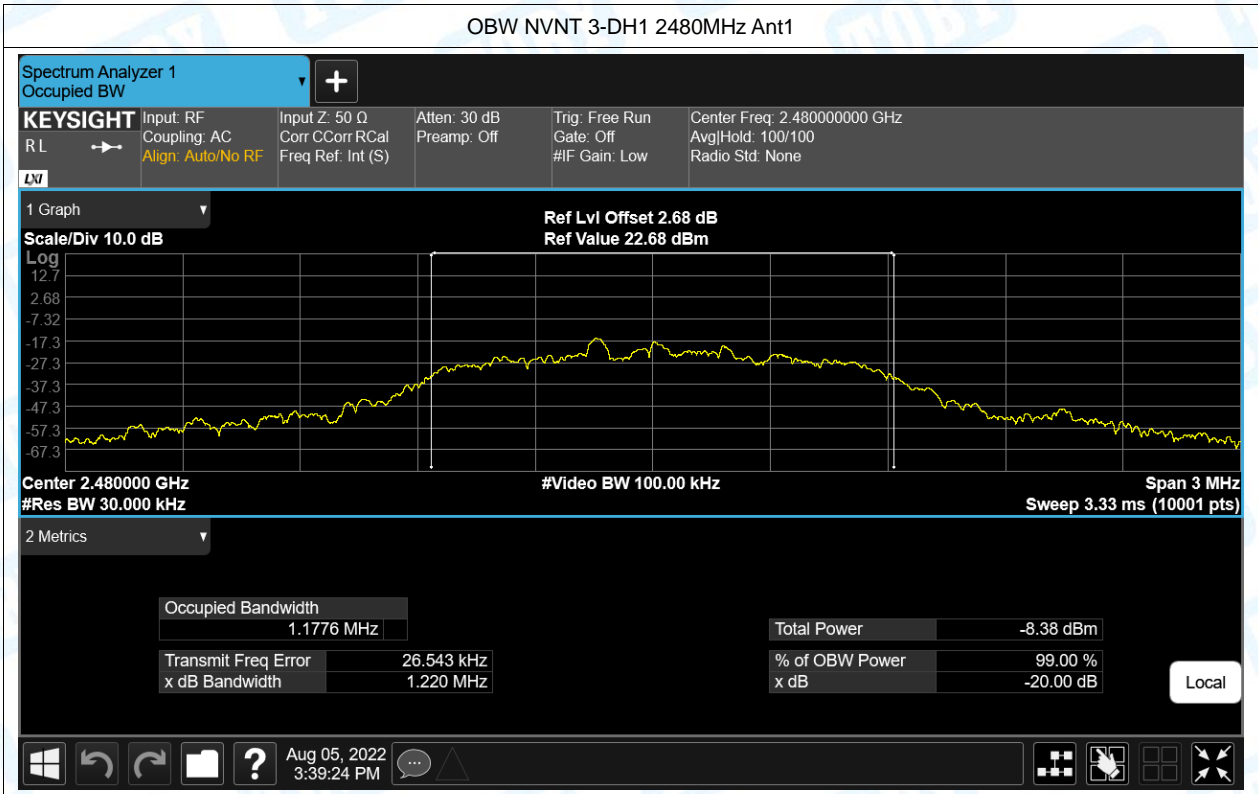
OBW NVNT 1-DH1 2441MHz Ant1









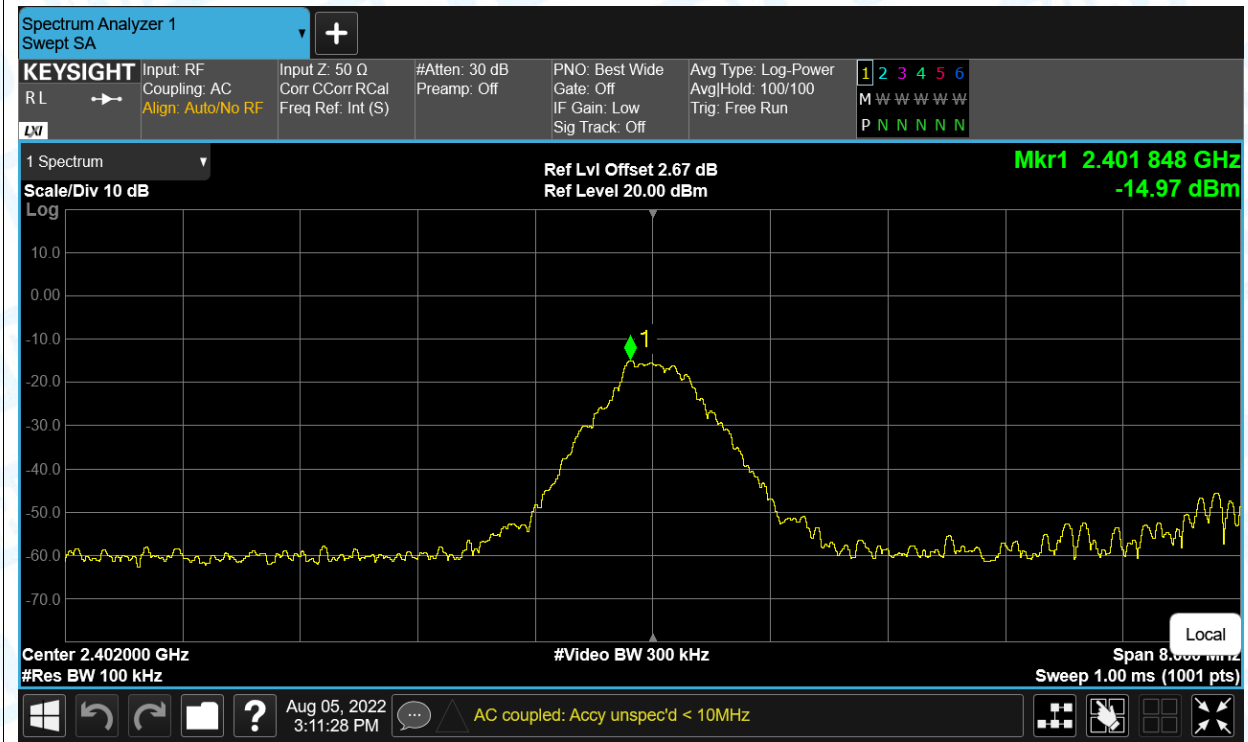


5. Band Edge

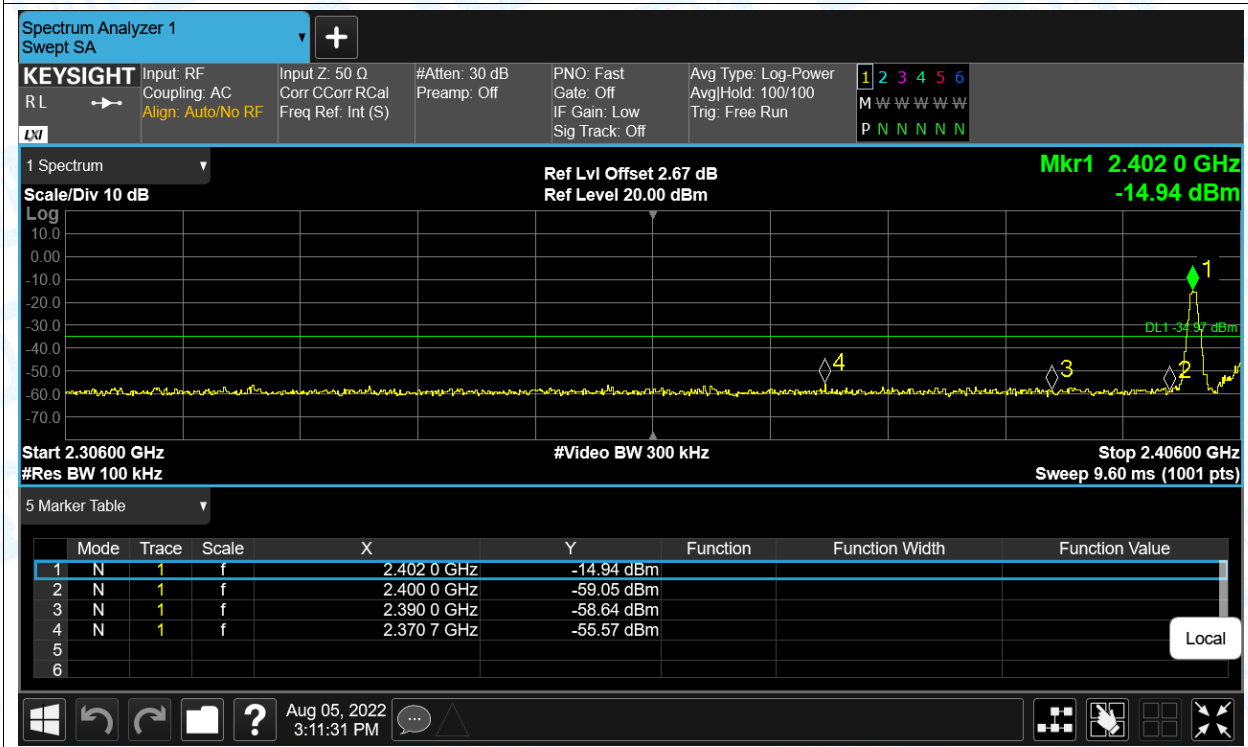
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-40.6	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-41.92	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-40.14	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-41.3	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-41.66	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-40.46	-20	Pass

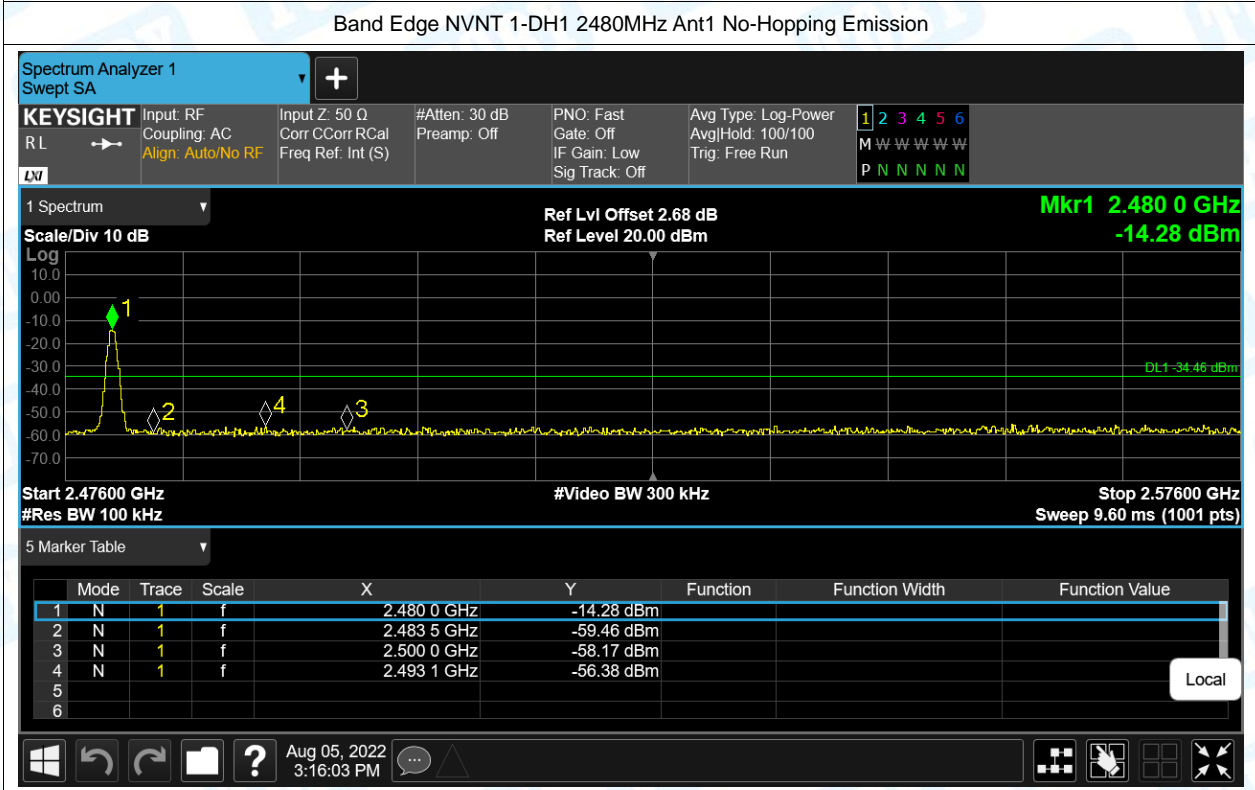
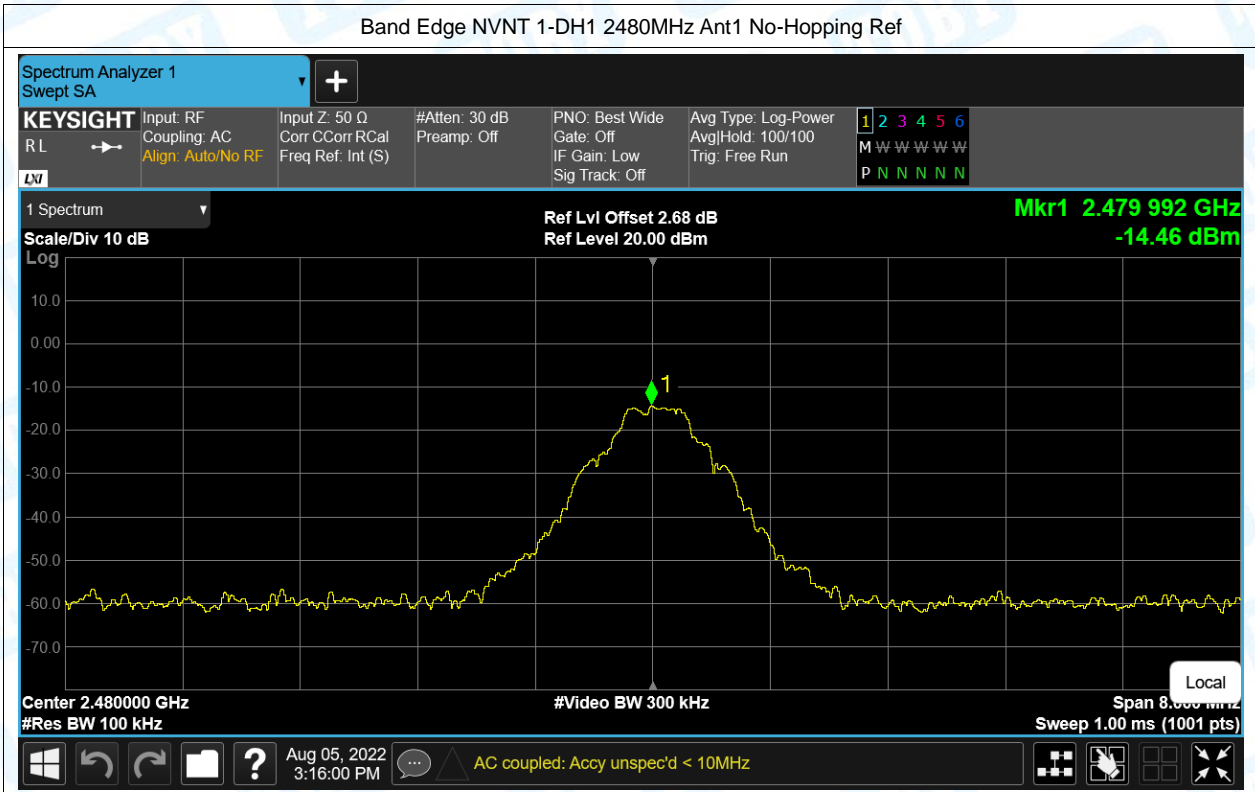
Test Graphs

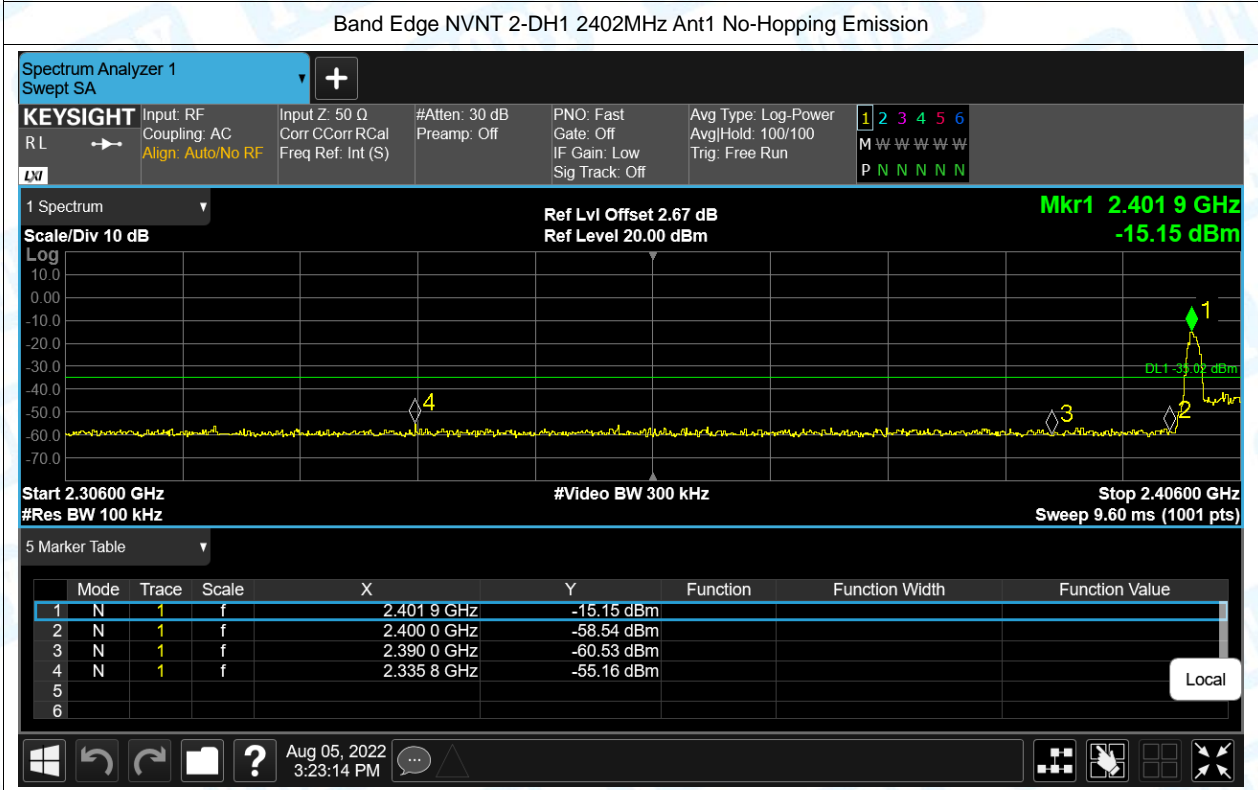
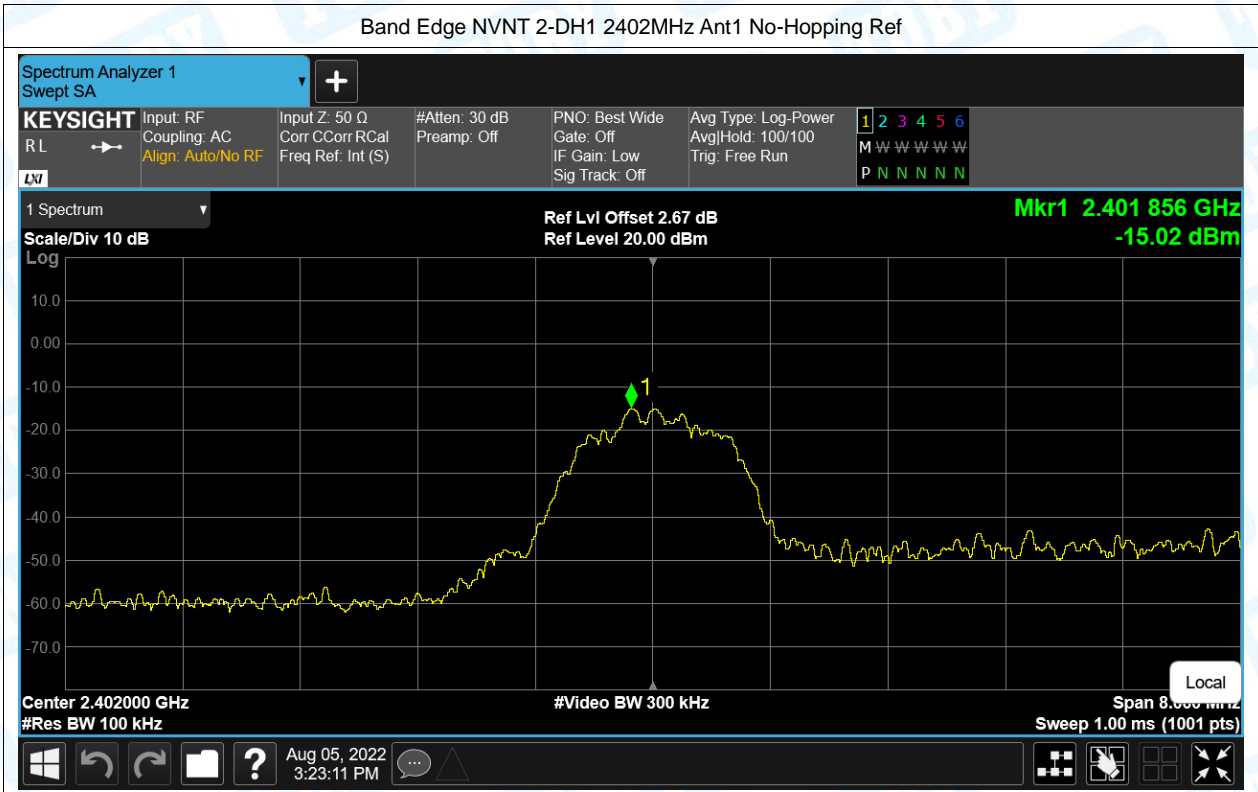
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref

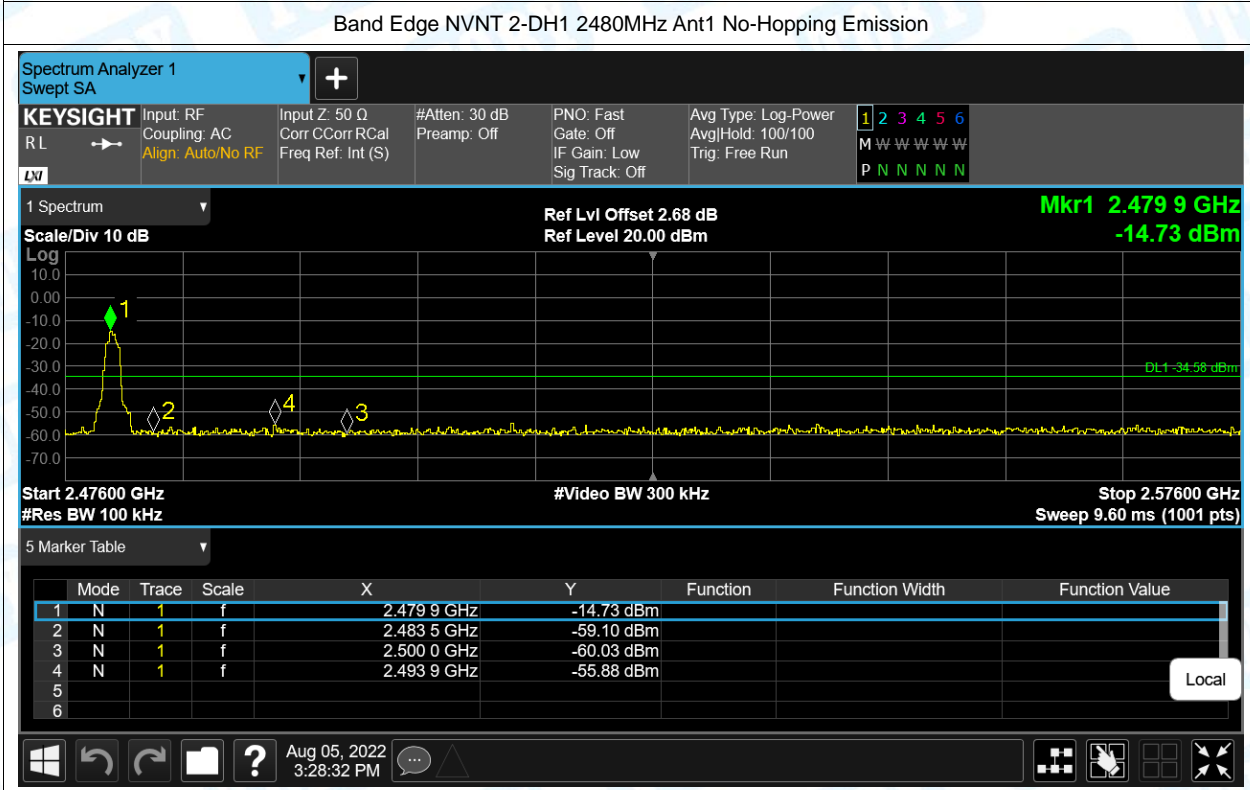
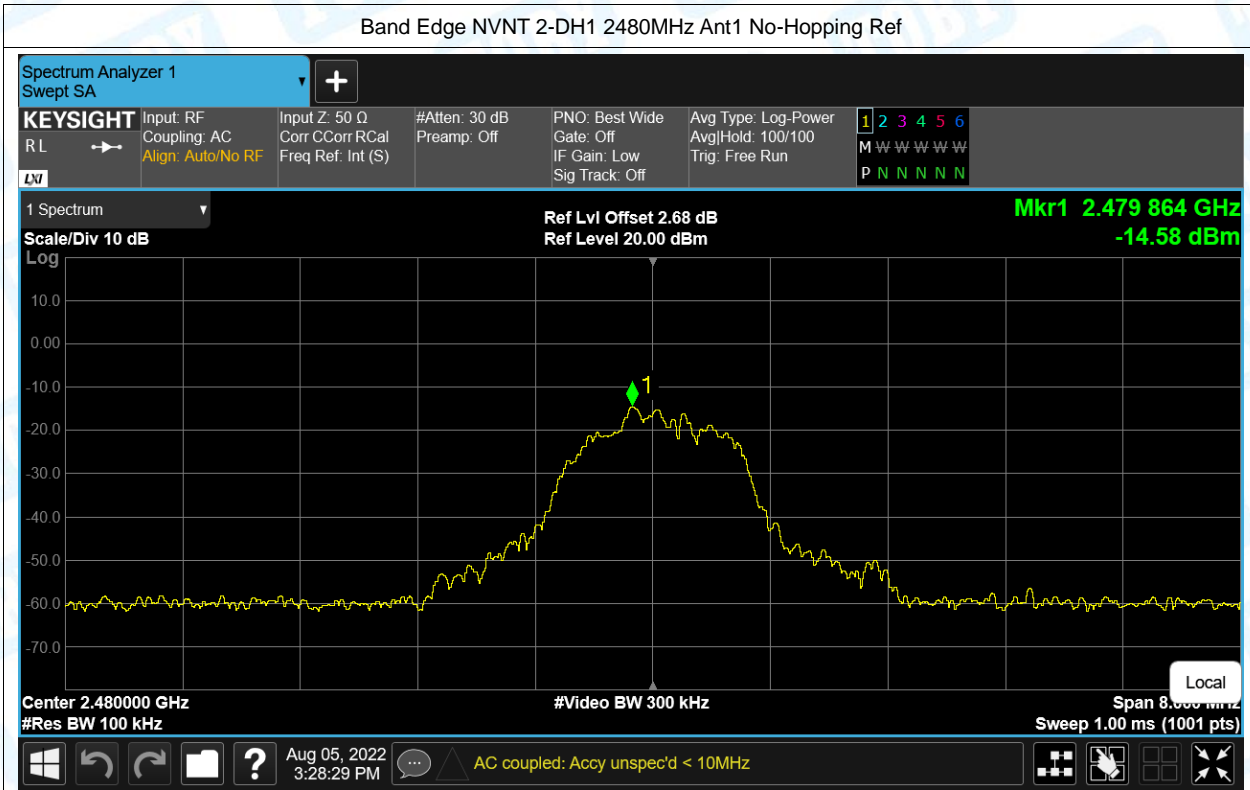


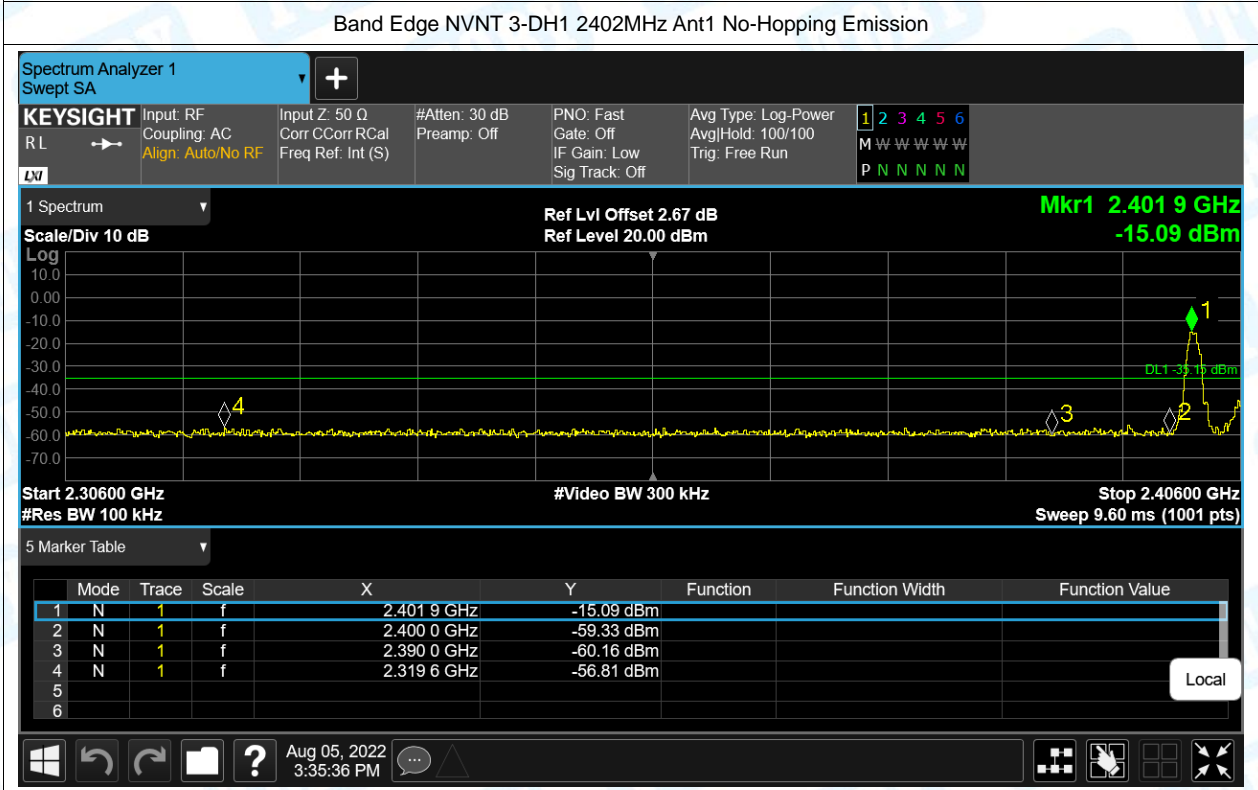
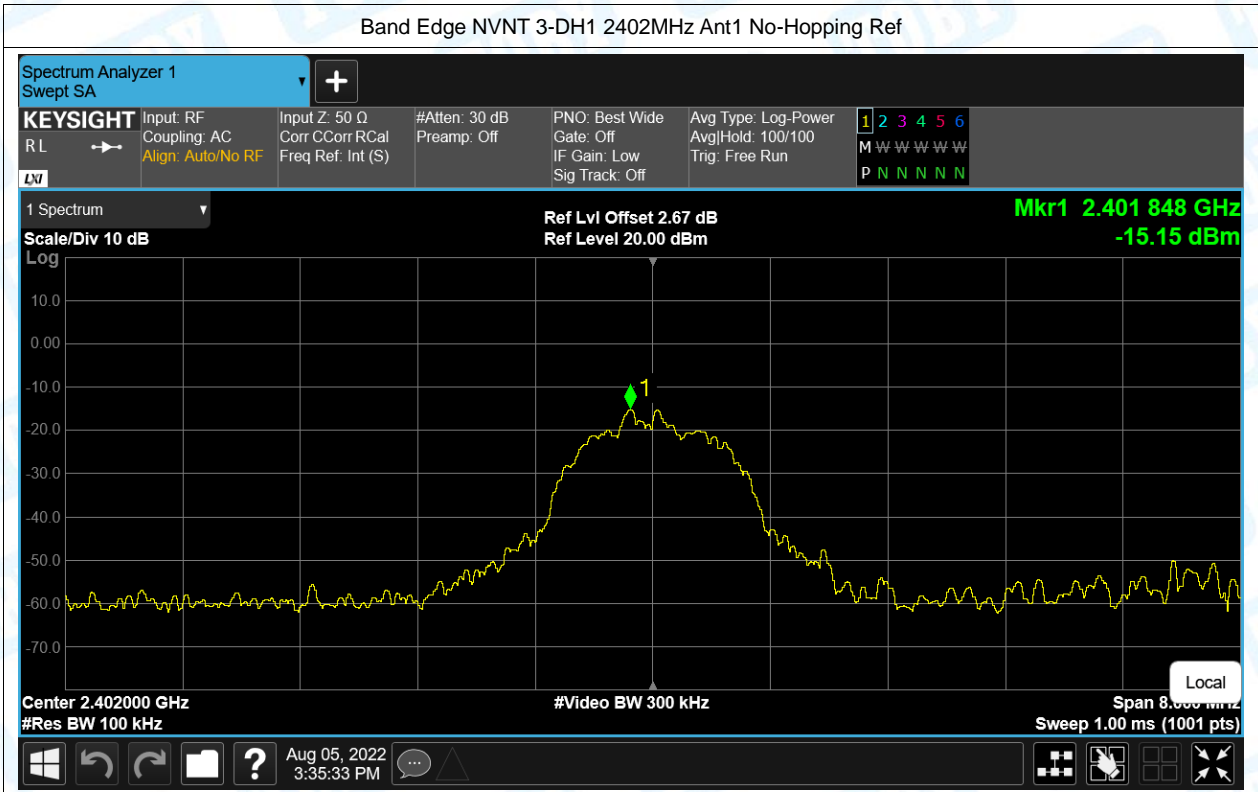
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission

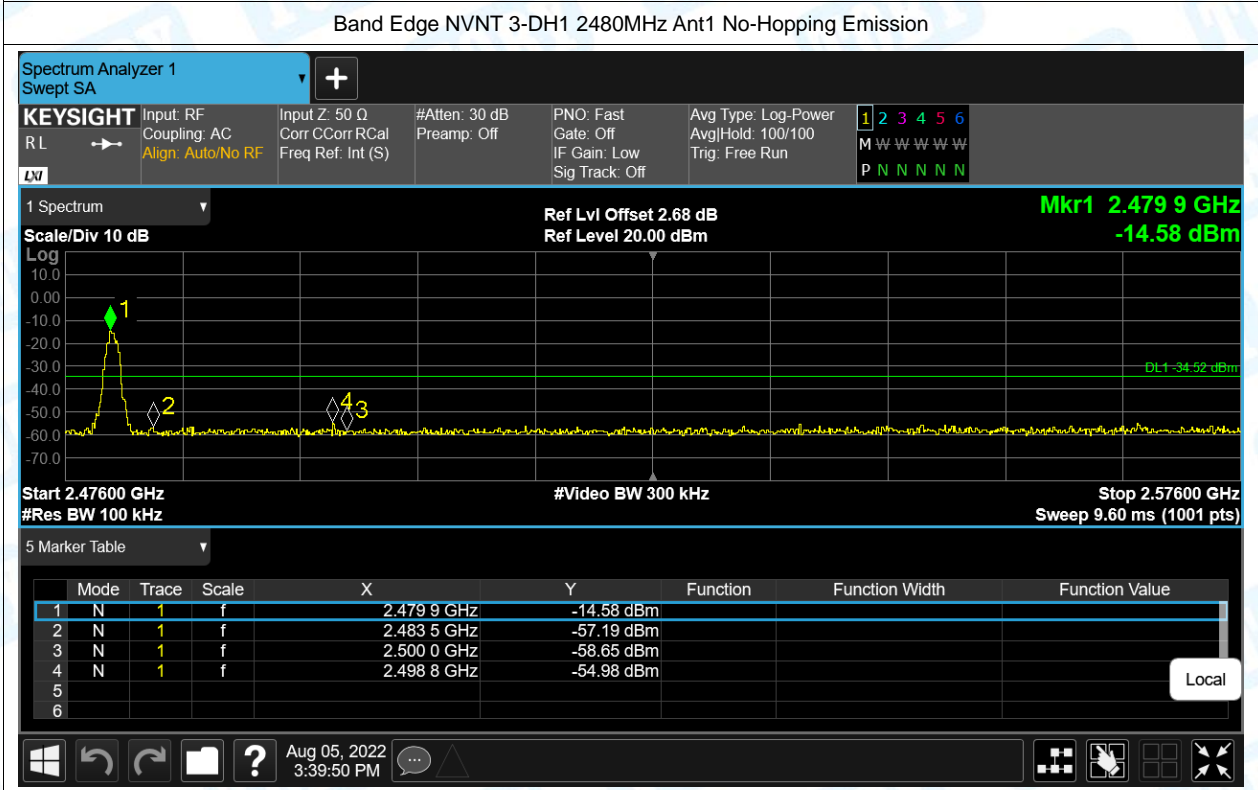
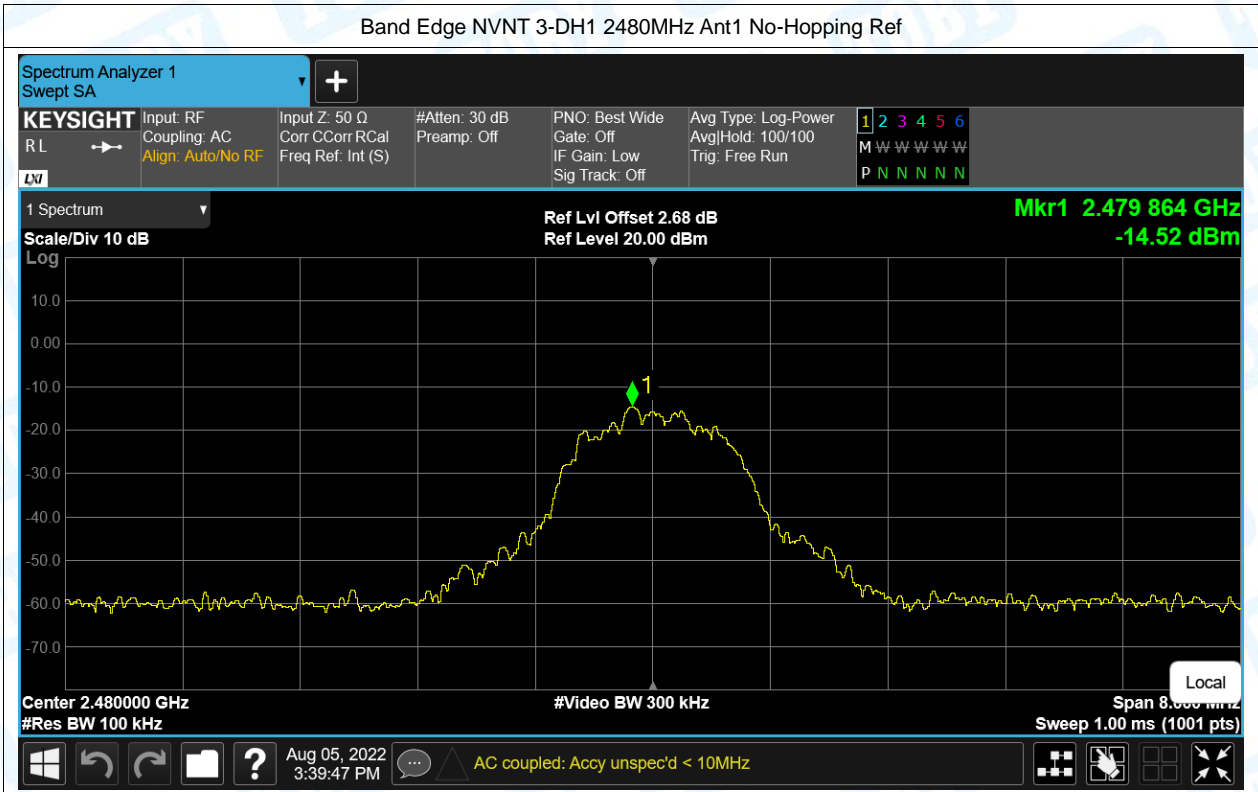










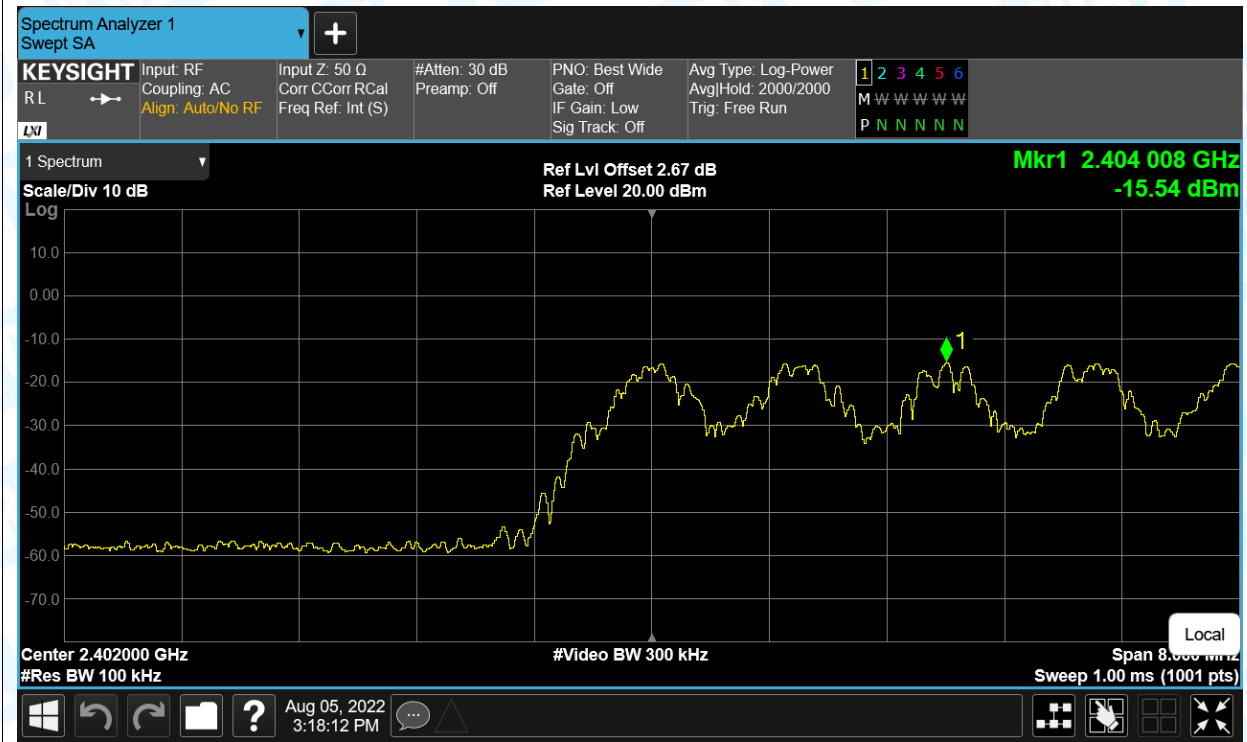


6. Band Edge(Hopping)

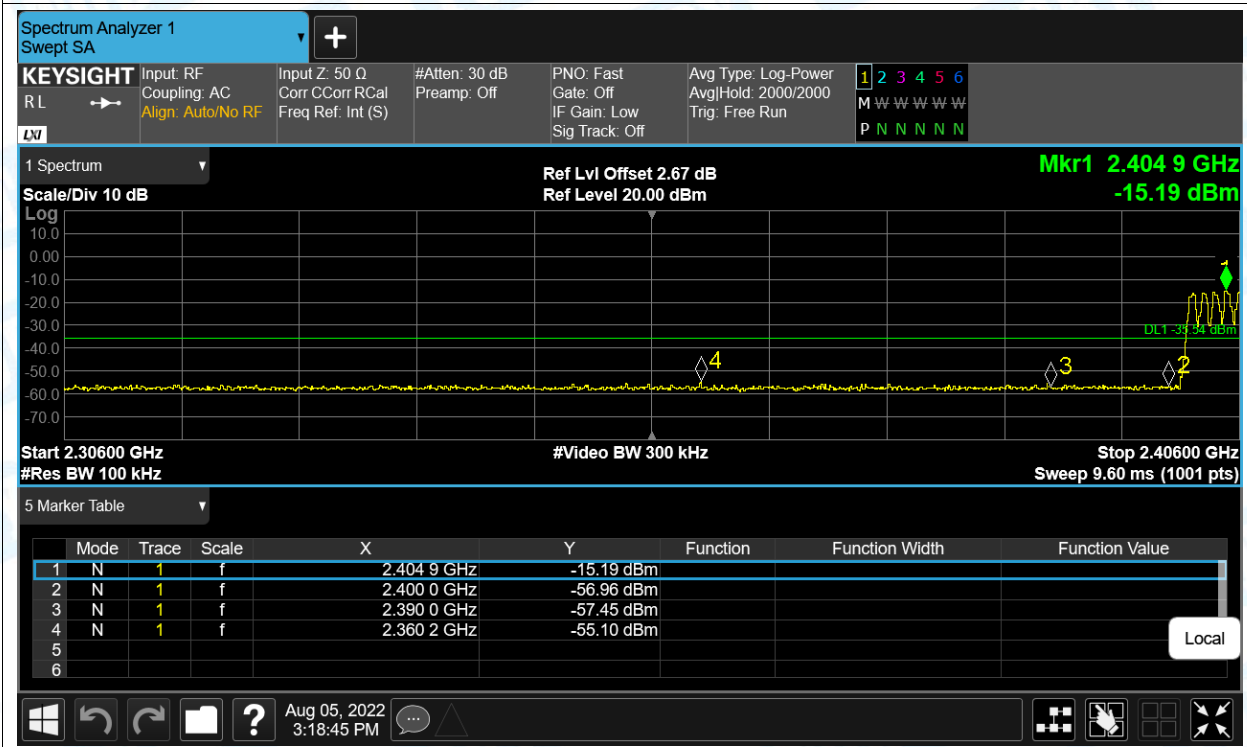
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-39.56	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-39.84	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-39.81	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-41.11	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-39.35	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-40.71	-20	Pass

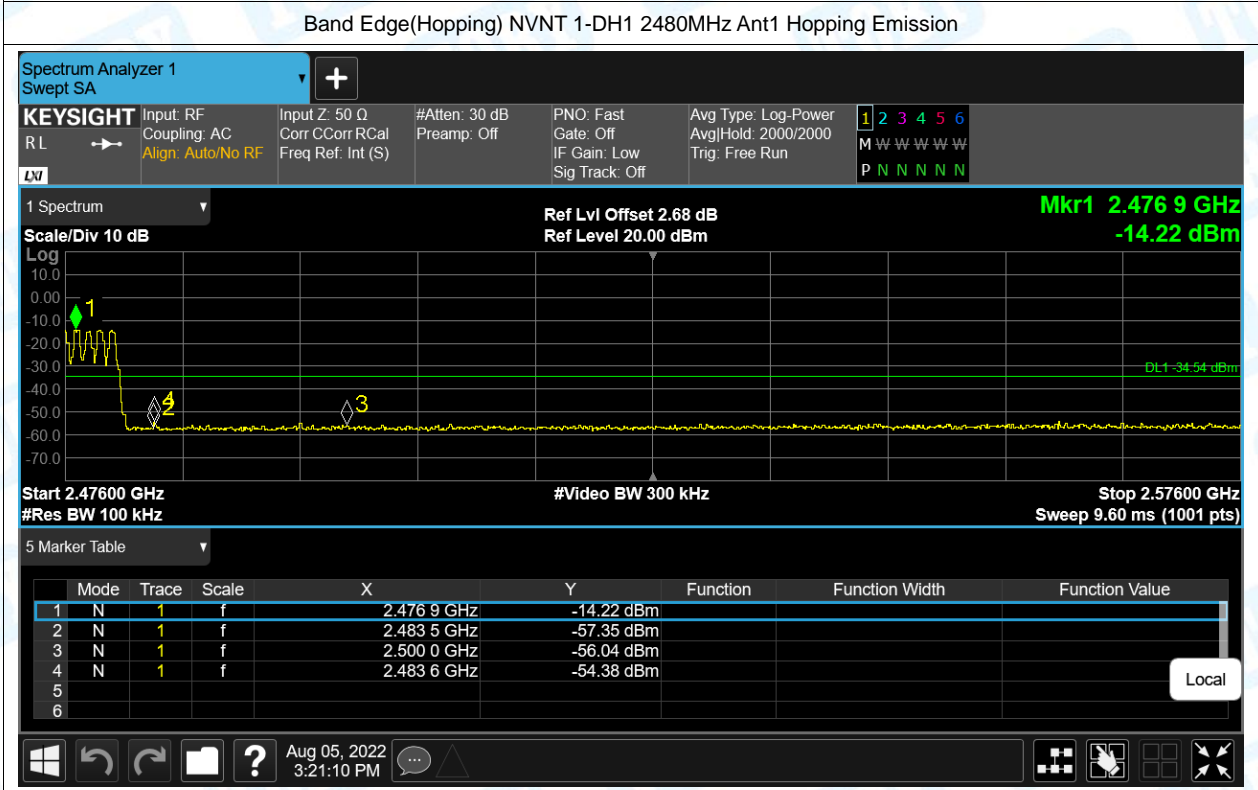
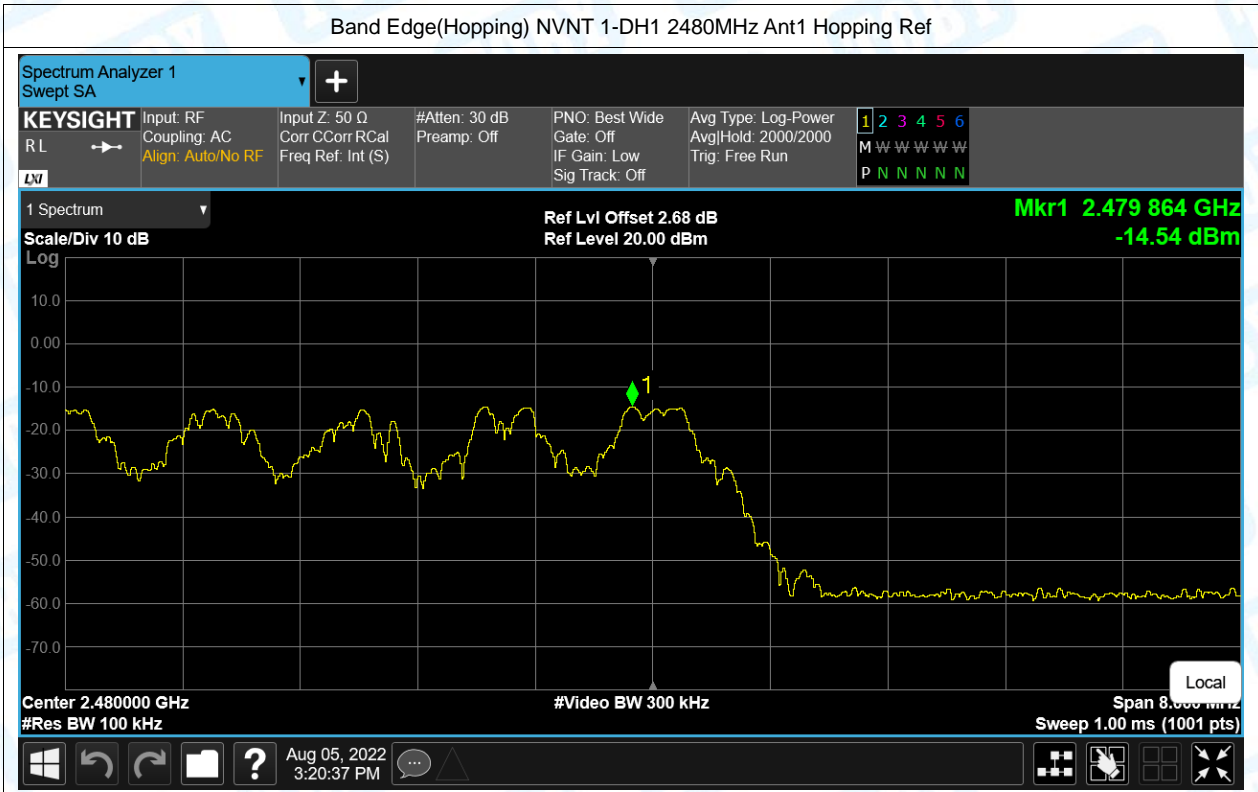
Test Graphs

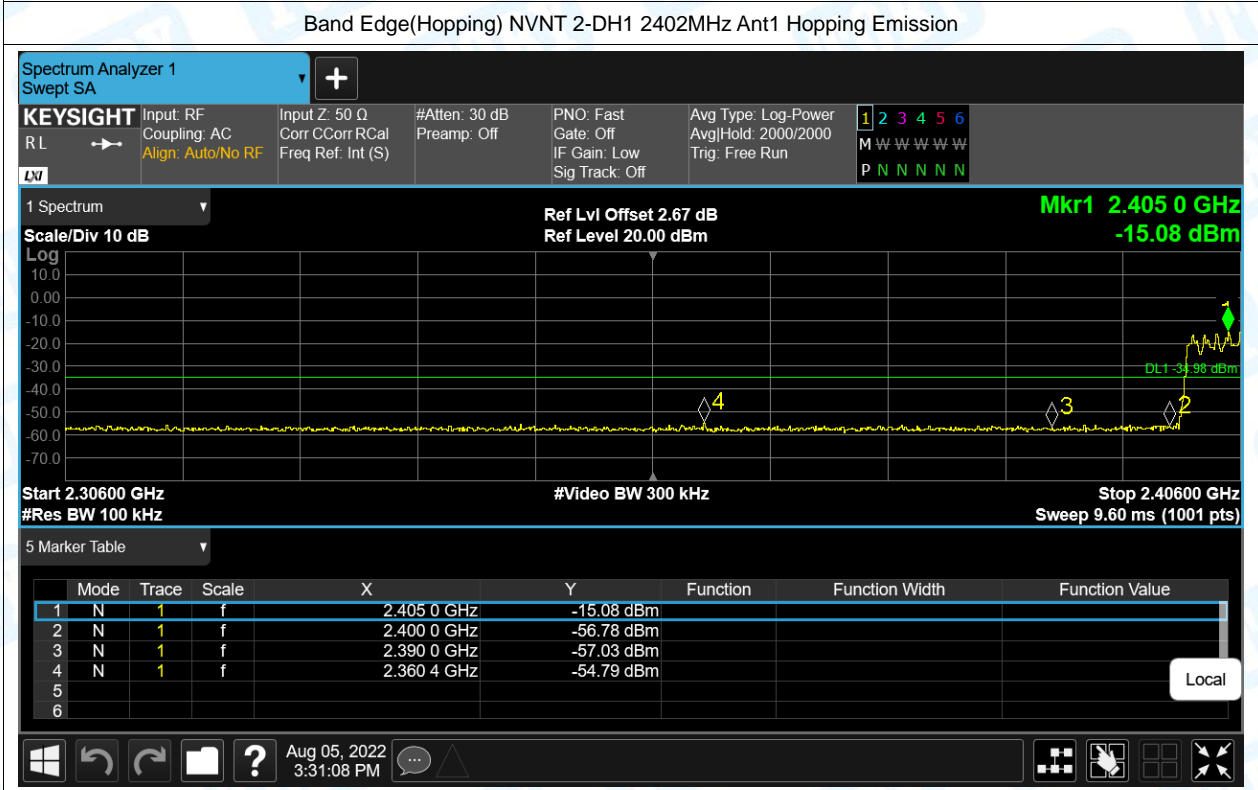
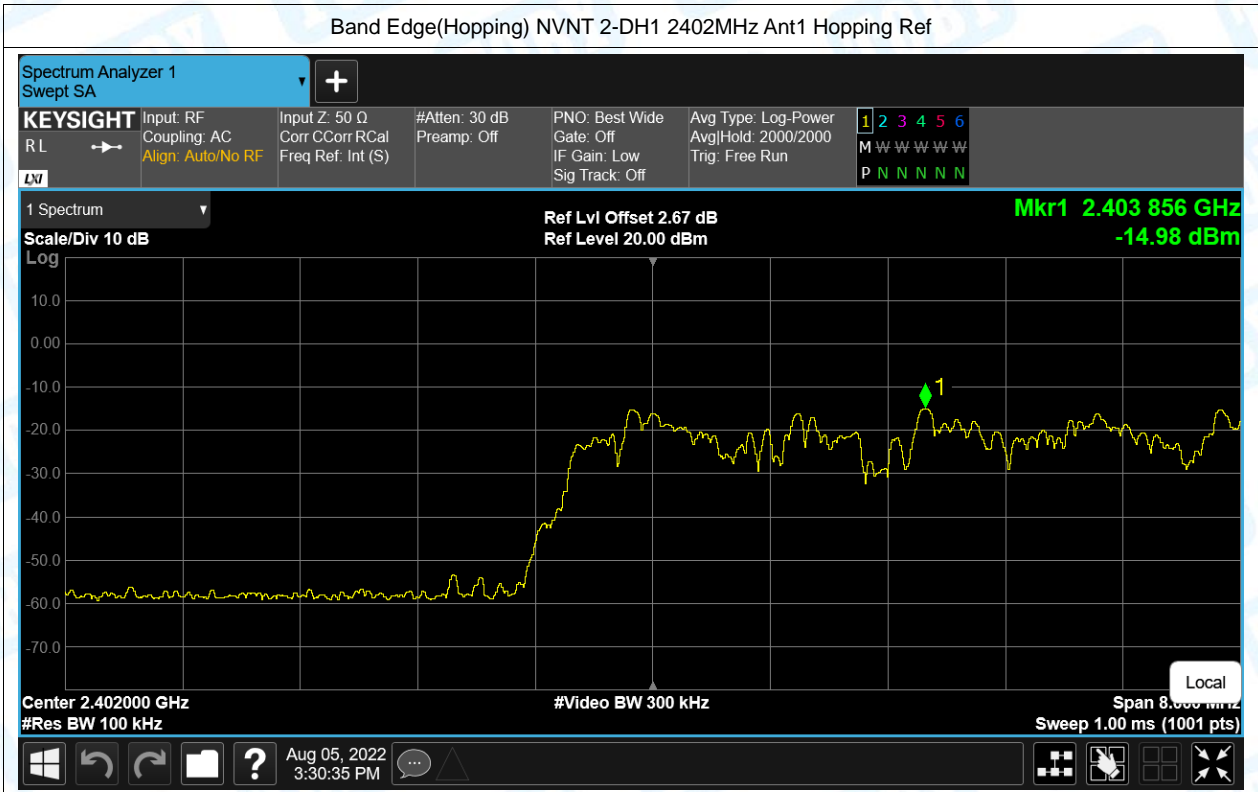
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Ref

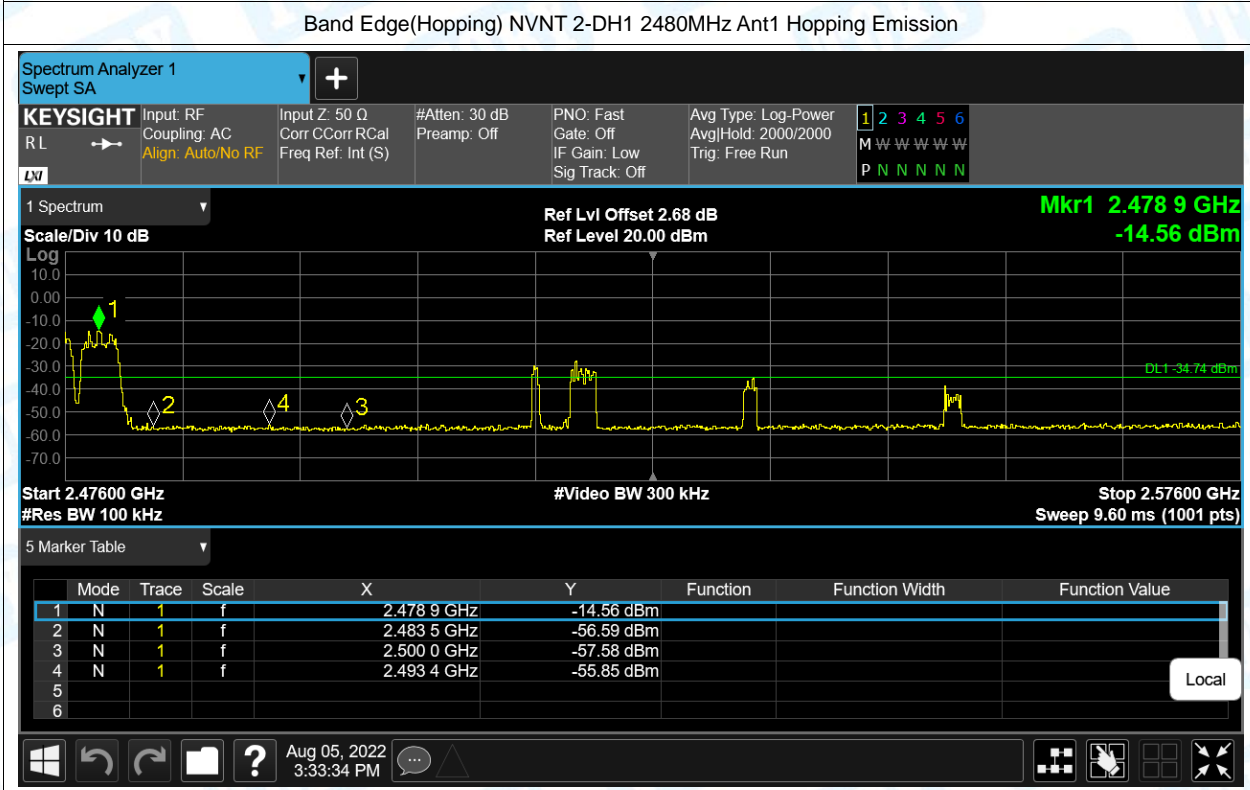
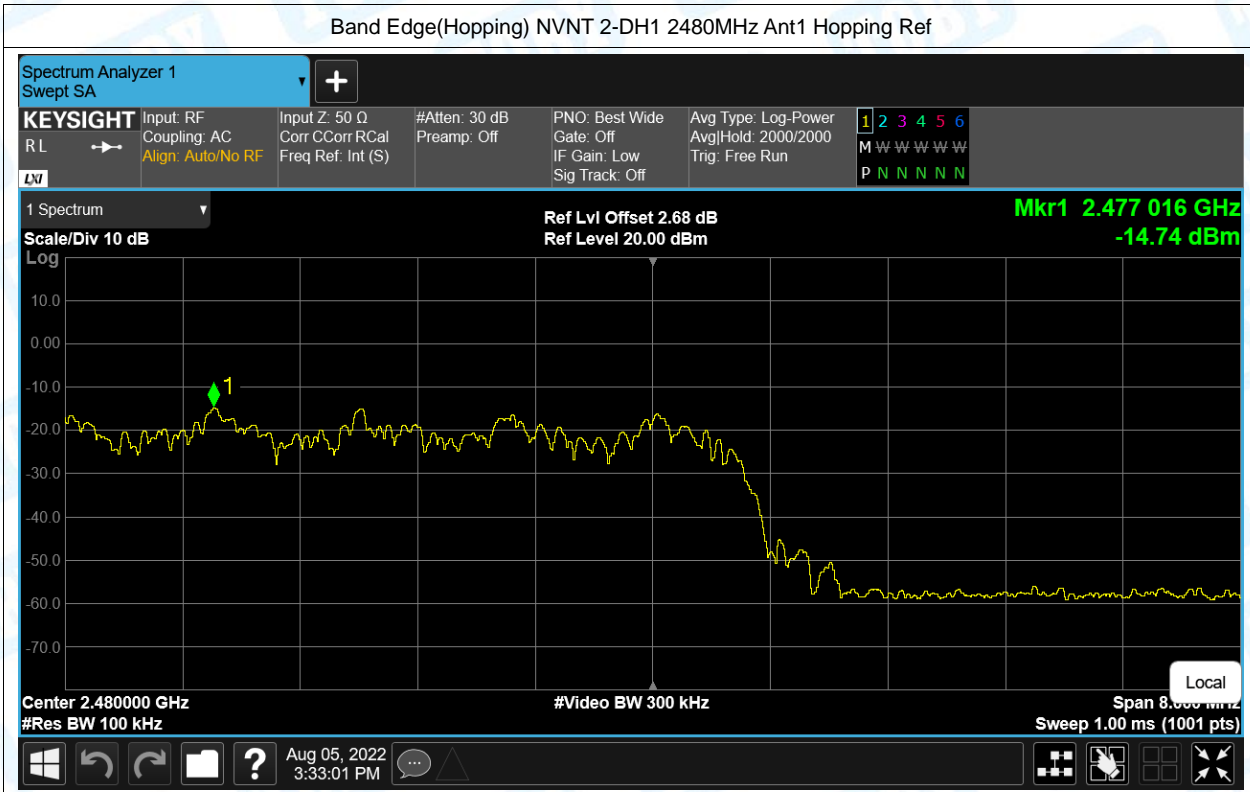


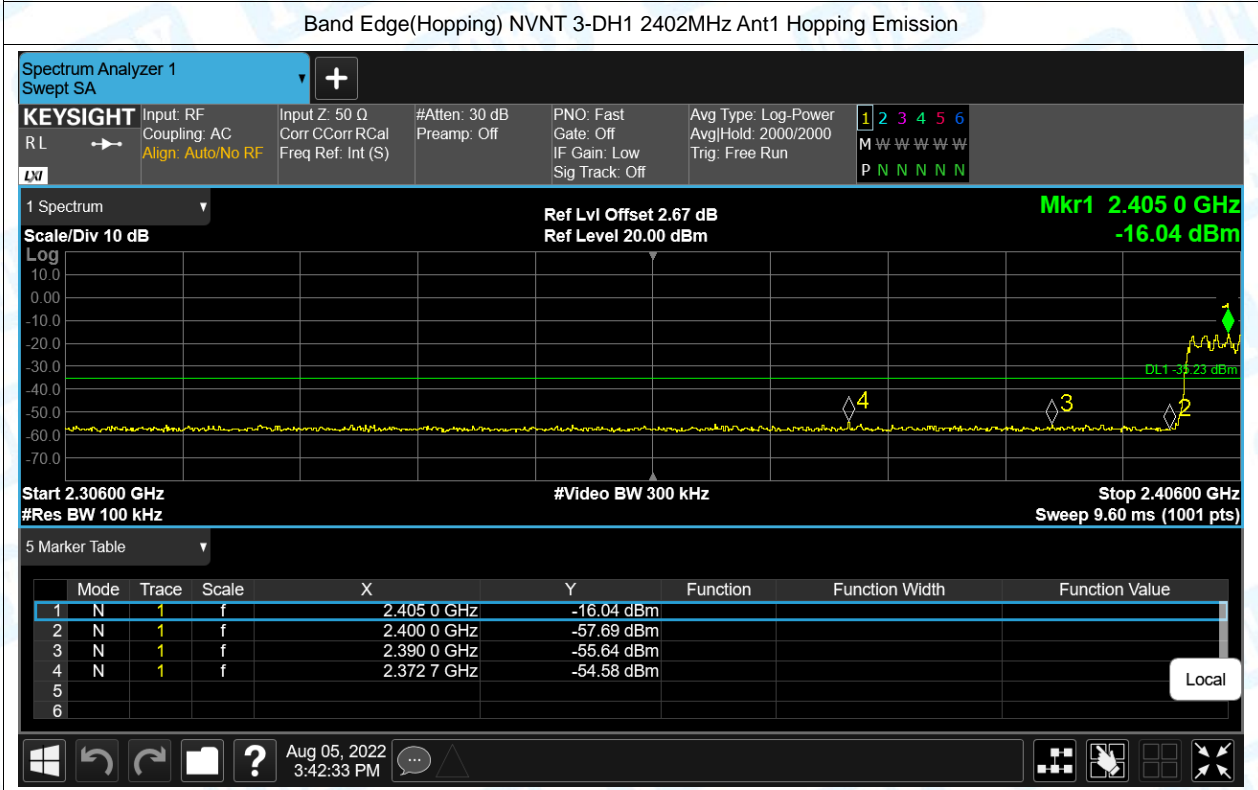
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission

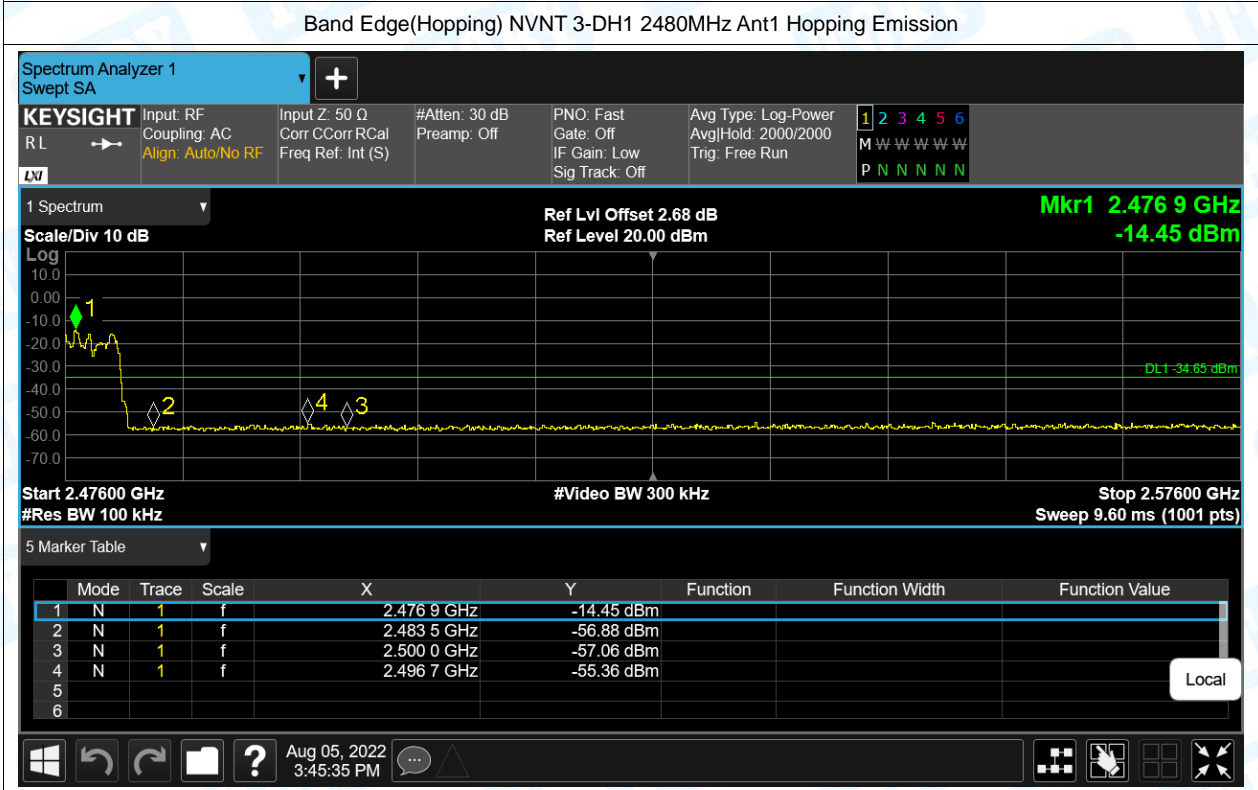










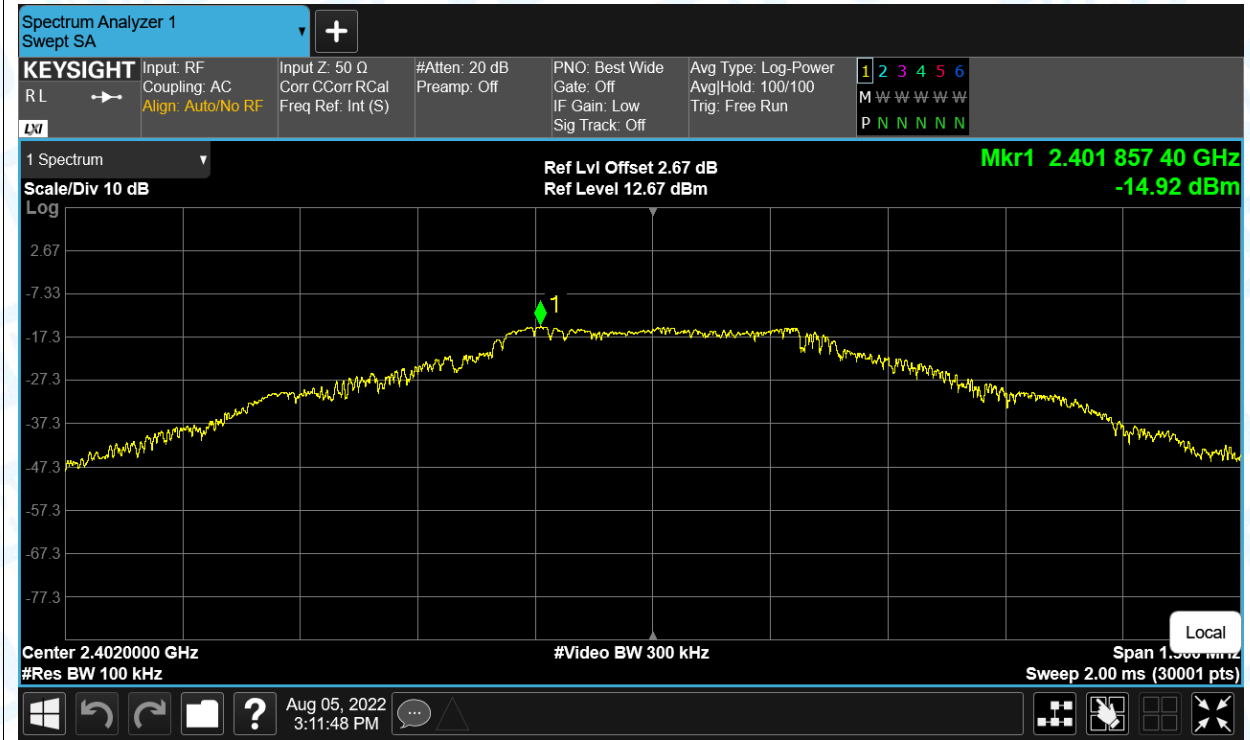


7. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-32.07	-20	Pass
NVNT	1-DH1	2441	Ant1	-36.08	-20	Pass
NVNT	1-DH1	2480	Ant1	-36.99	-20	Pass
NVNT	2-DH1	2402	Ant1	-35.22	-20	Pass
NVNT	2-DH1	2441	Ant1	-35.18	-20	Pass
NVNT	2-DH1	2480	Ant1	-32.44	-20	Pass
NVNT	3-DH1	2402	Ant1	-29.23	-20	Pass
NVNT	3-DH1	2441	Ant1	-35.05	-20	Pass
NVNT	3-DH1	2480	Ant1	-32.1	-20	Pass

Test Graphs

Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission

