

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

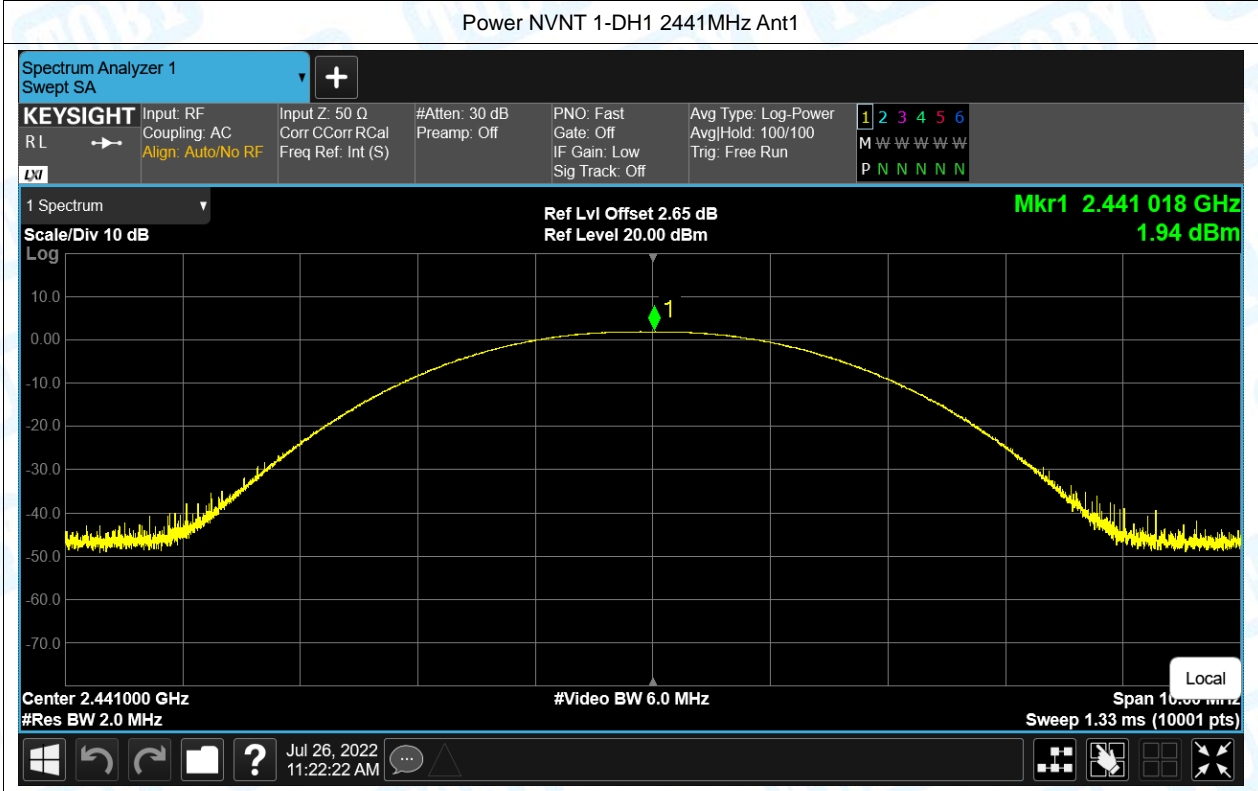
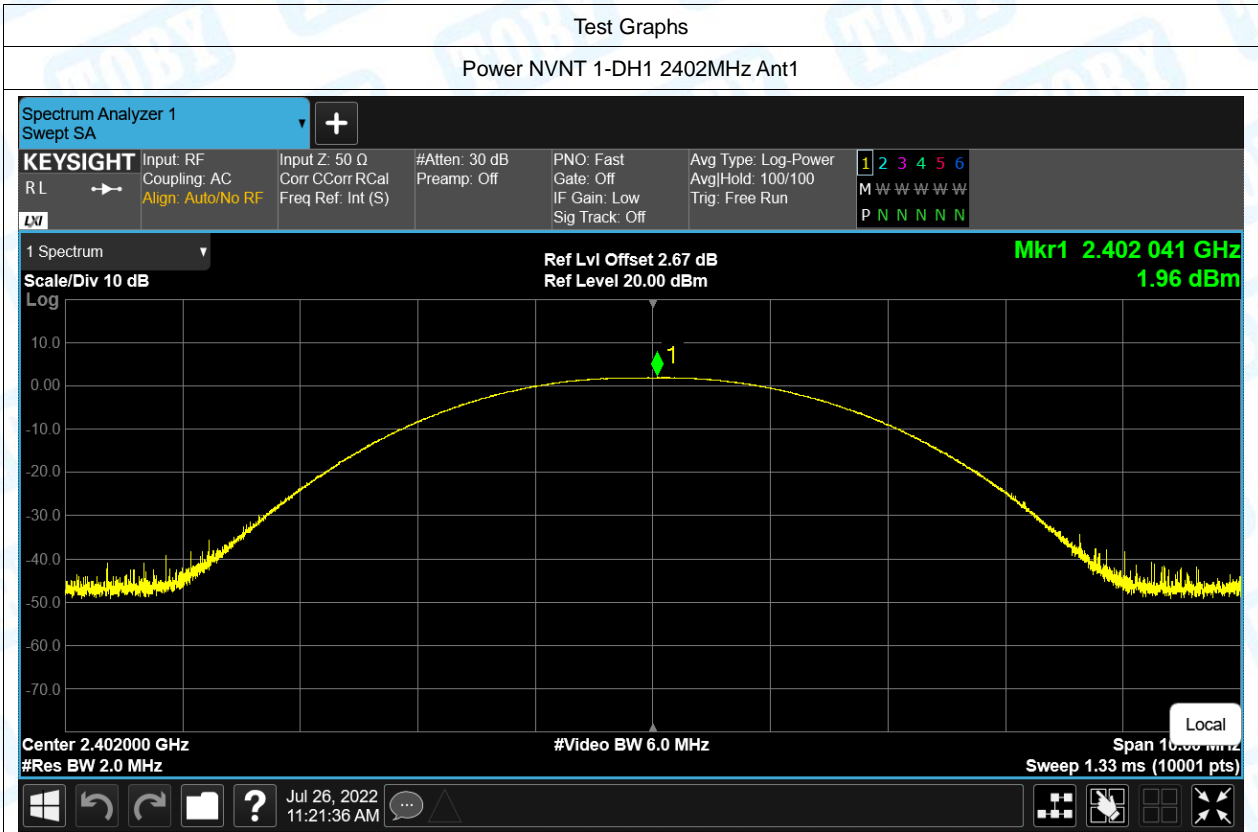
General Description of EUT	
Product Name:	RUGGEDIZED HAND-HELD DEVICE
Test Model:	CHAMELEON 7
Sample ID:	202202_0108-01-2
Environmental Conditions	
Temperature:	25°C
Relative Humidity:	55%
Test Voltage:	DC 3.85V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202202-0108-31.	

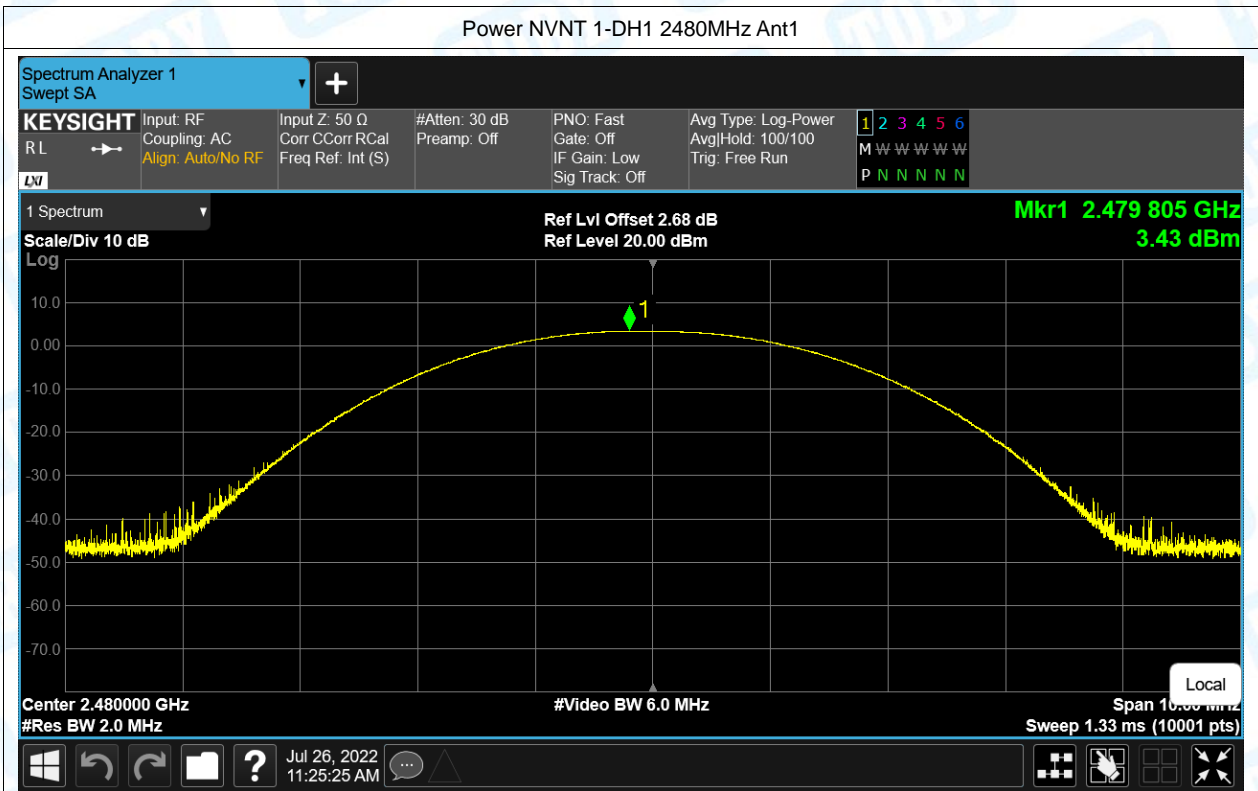
Contents

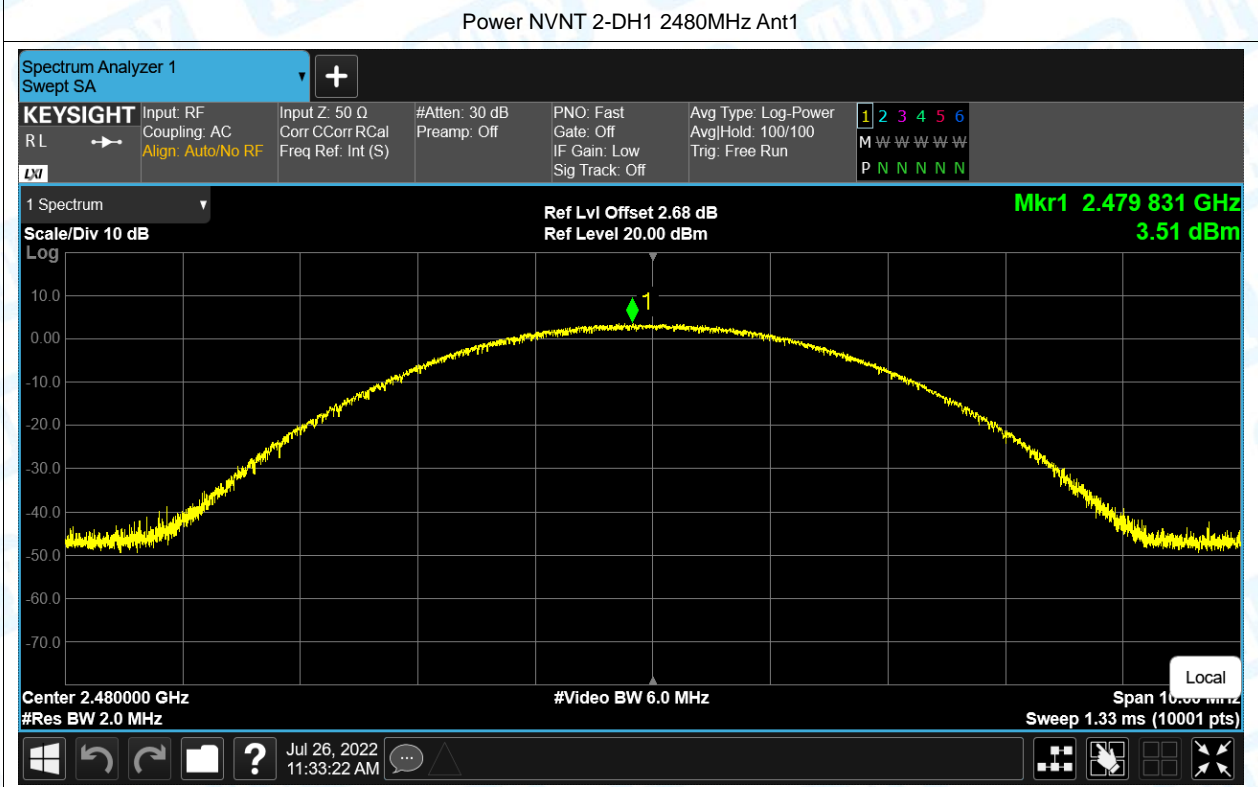
1. Maximum Conducted Output Power	3
2. -20dB Bandwidth	9
3. Occupied Channel Bandwidth	15
4. Band Edge	21
5. Band Edge(Hopping).....	28
6. Conducted RF Spurious Emission	35
7. Restrict Band	42
8. Carrier Frequencies Separation.....	49
9. Number of Hopping Channel	52
10. Dwell Time.....	55

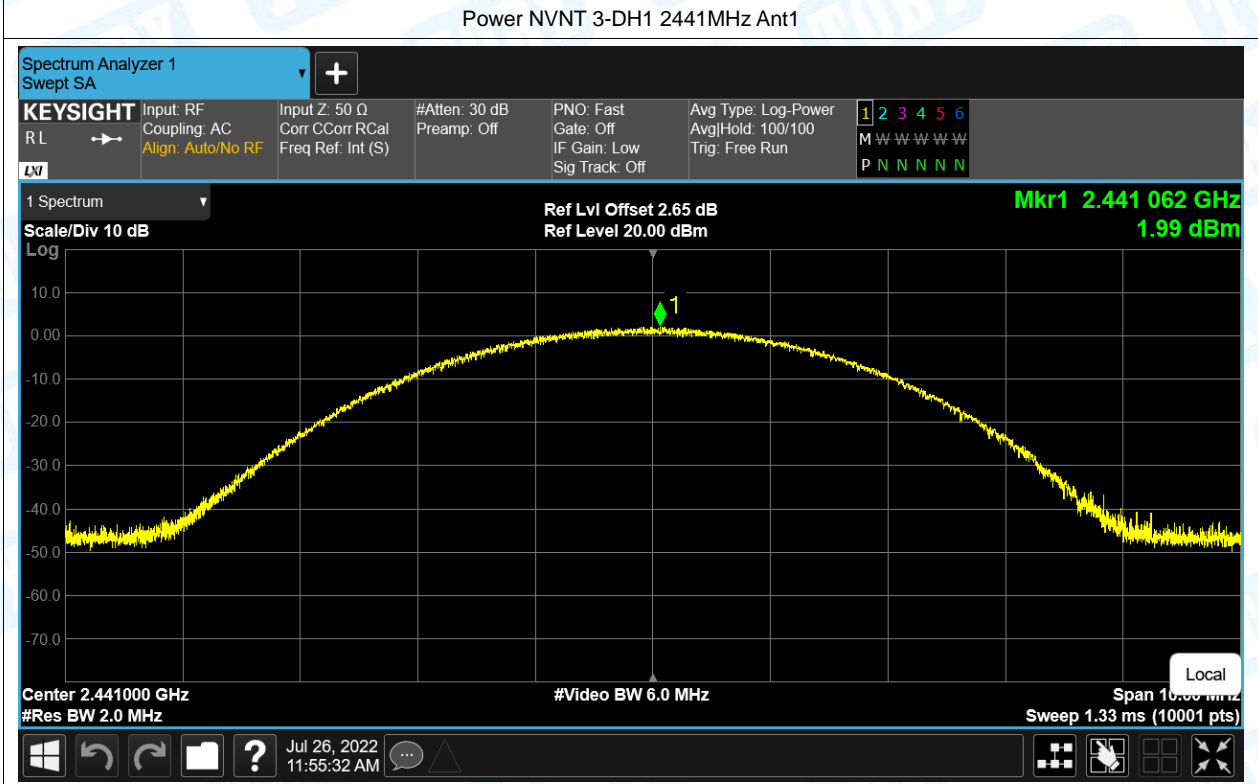
1. Maximum Conducted Output Power

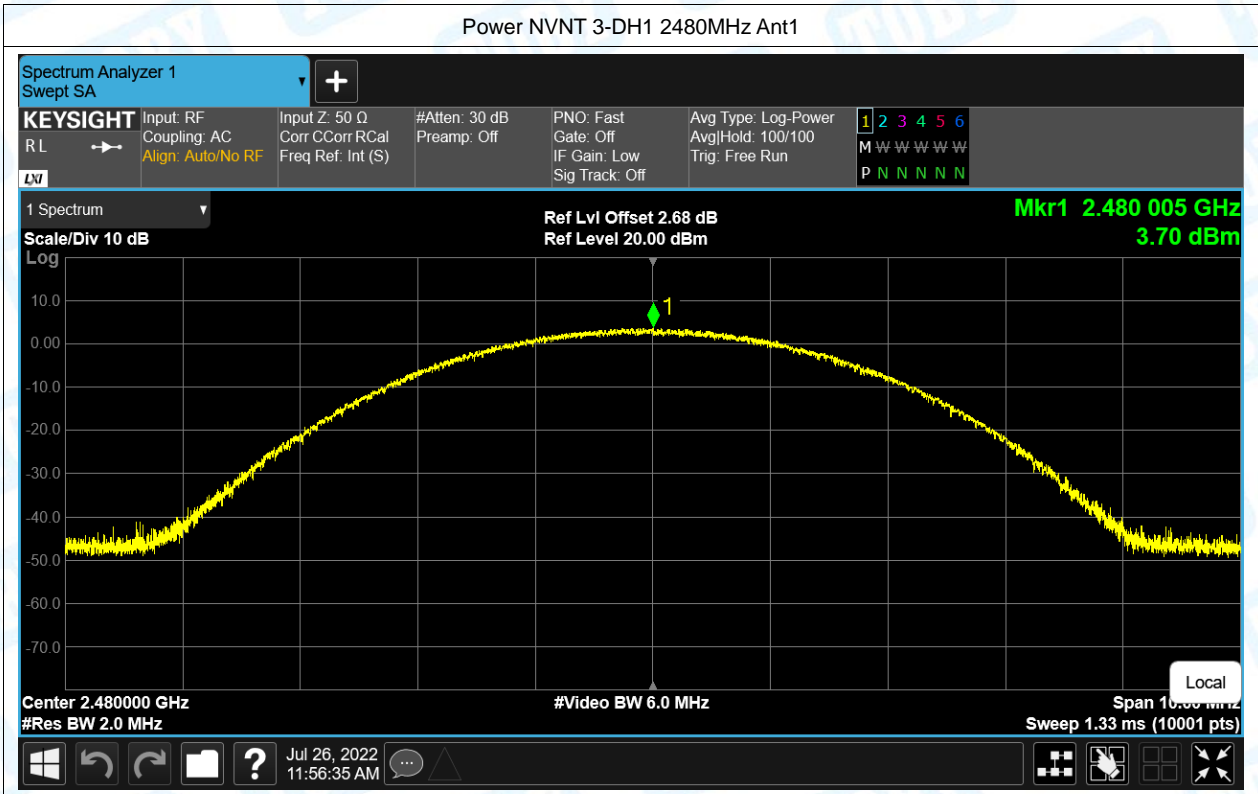
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	1.963	21	Pass
NVNT	1-DH1	2441	Ant1	1.936	21	Pass
NVNT	1-DH1	2480	Ant1	3.429	21	Pass
NVNT	2-DH1	2402	Ant1	2.061	21	Pass
NVNT	2-DH1	2441	Ant1	1.915	21	Pass
NVNT	2-DH1	2480	Ant1	3.511	21	Pass
NVNT	3-DH1	2402	Ant1	1.871	21	Pass
NVNT	3-DH1	2441	Ant1	1.992	21	Pass
NVNT	3-DH1	2480	Ant1	3.696	21	Pass





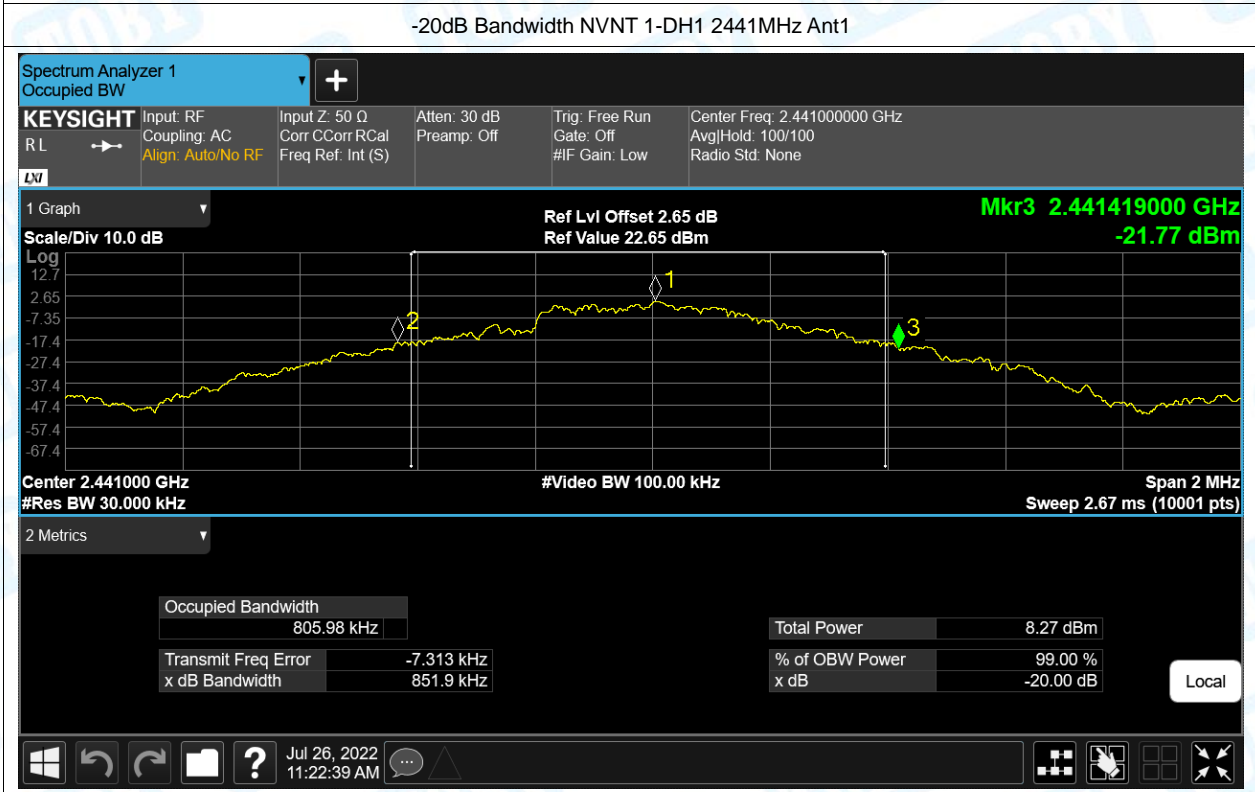
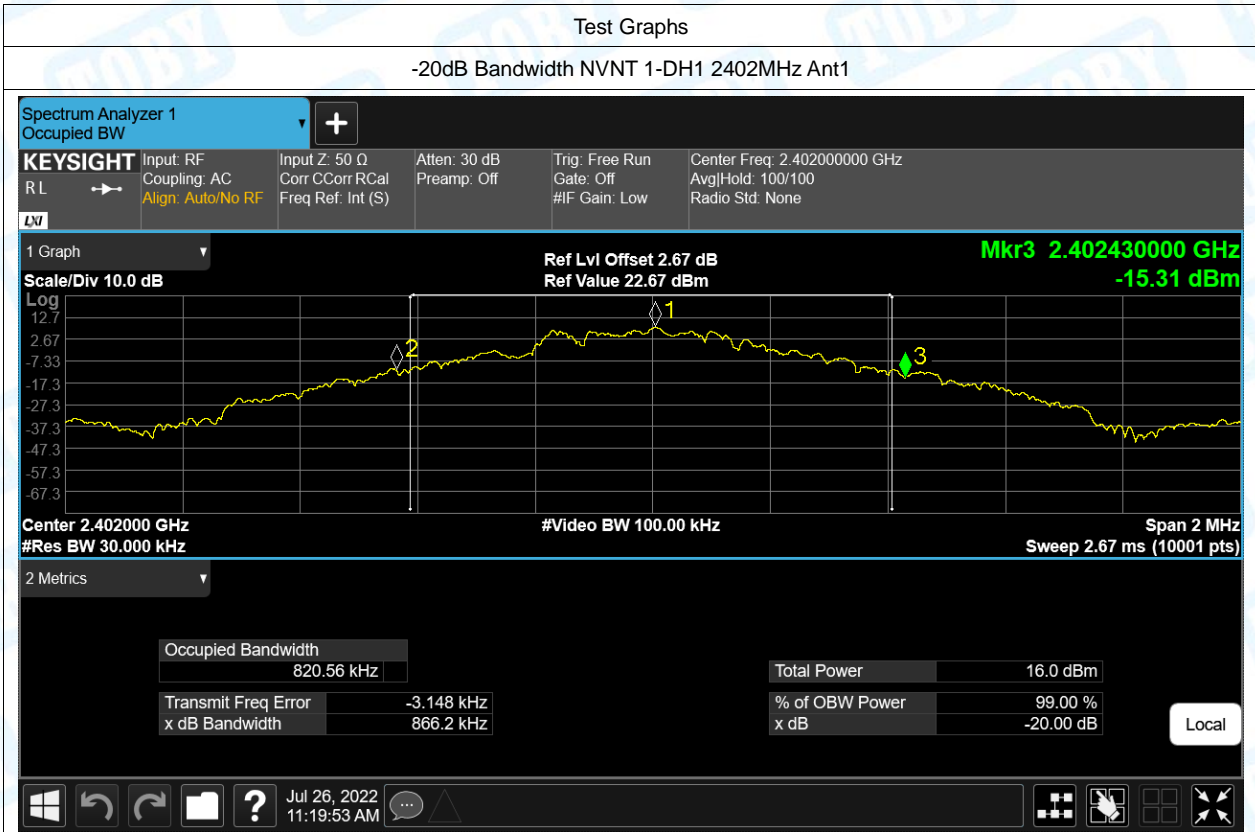


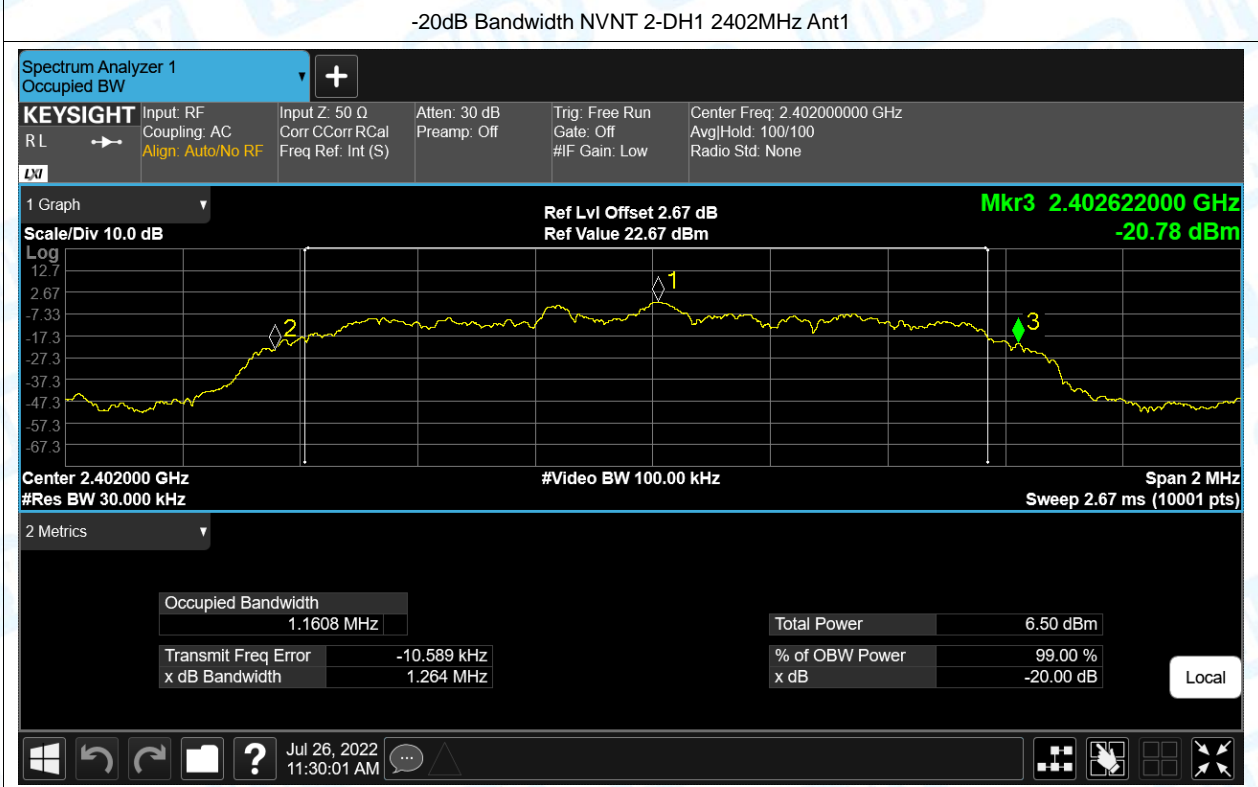
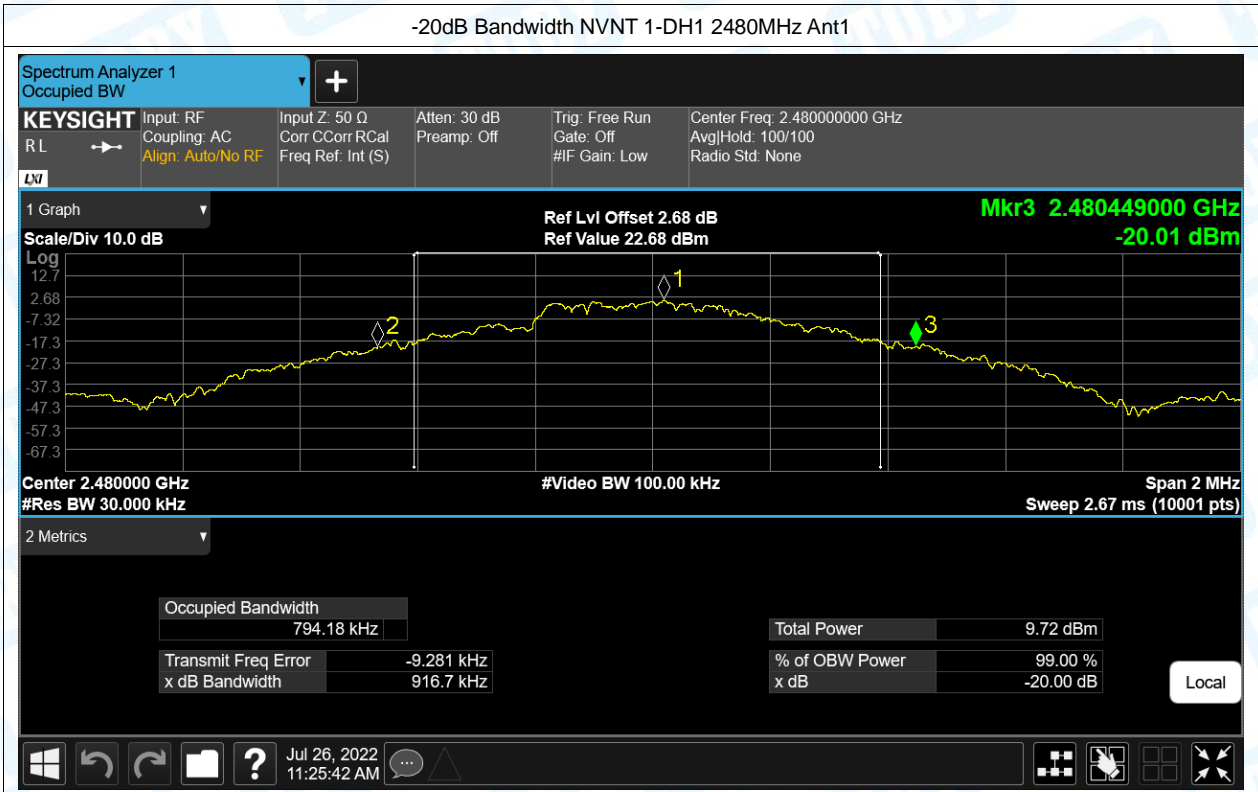


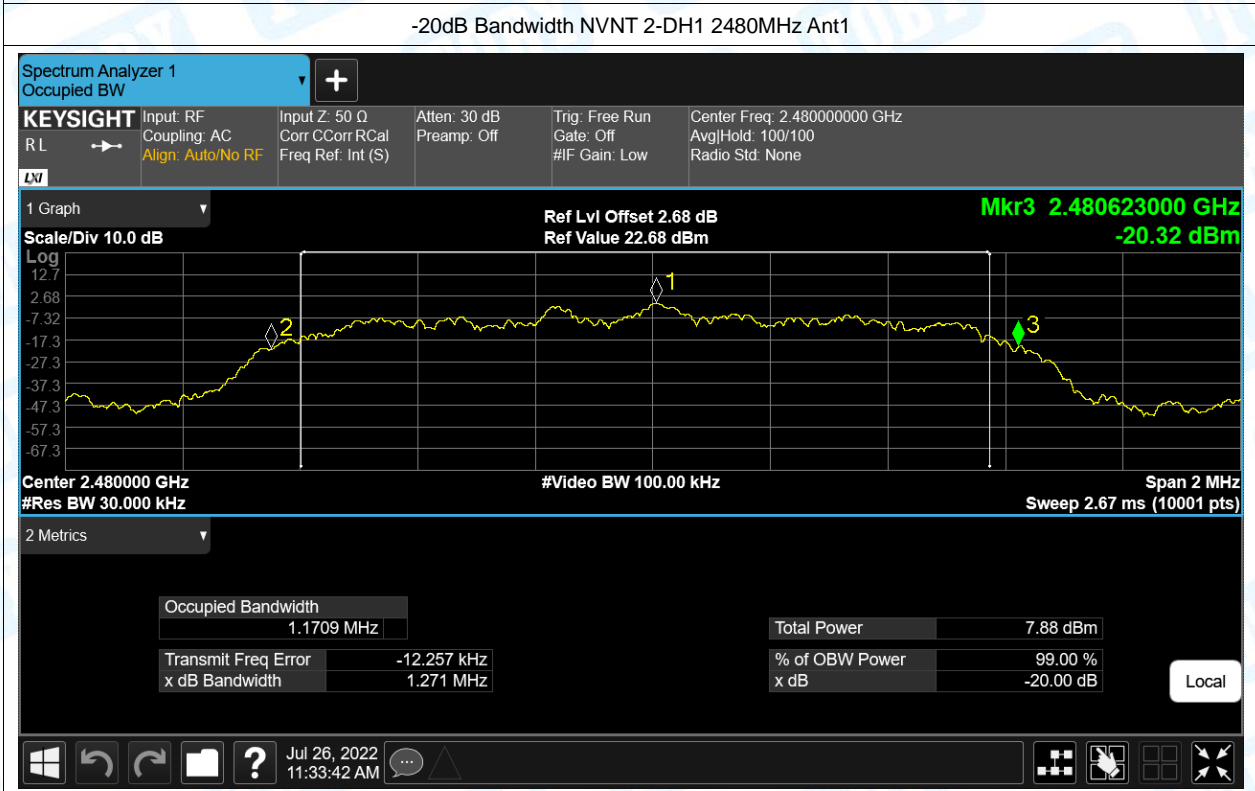
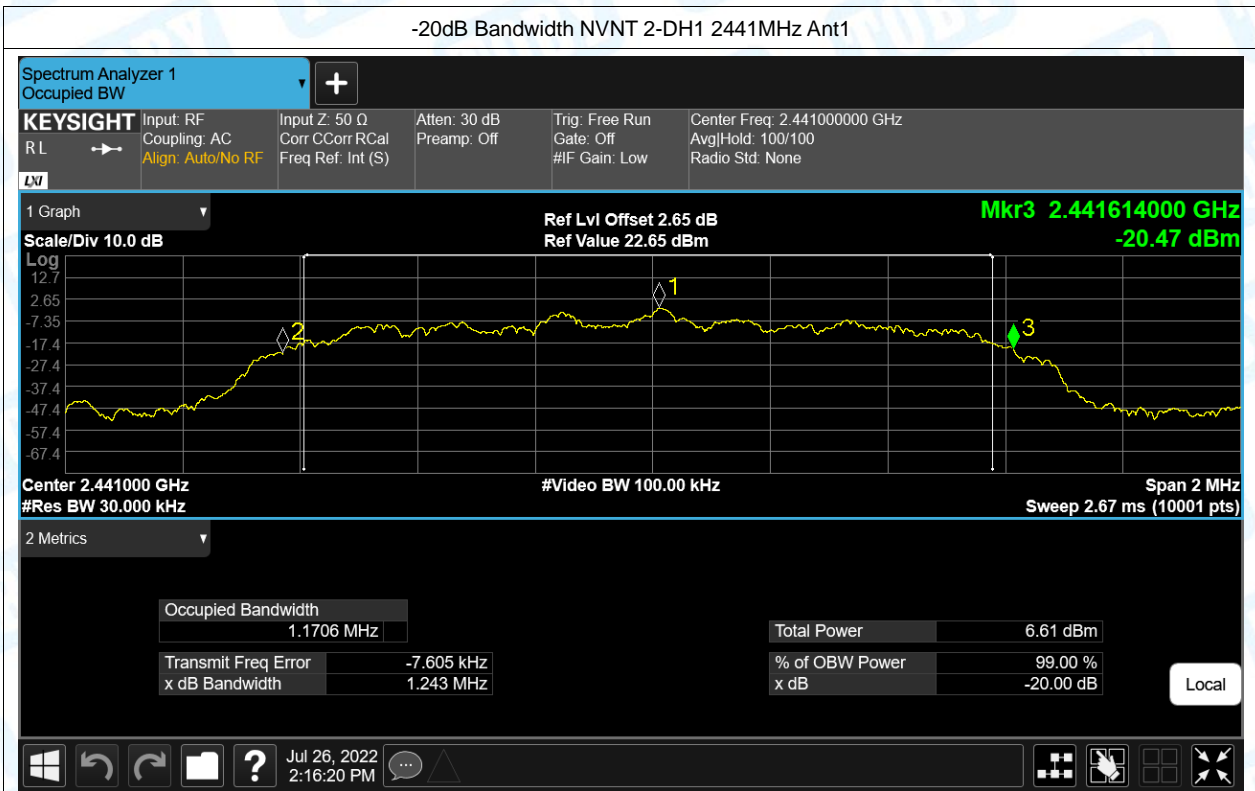


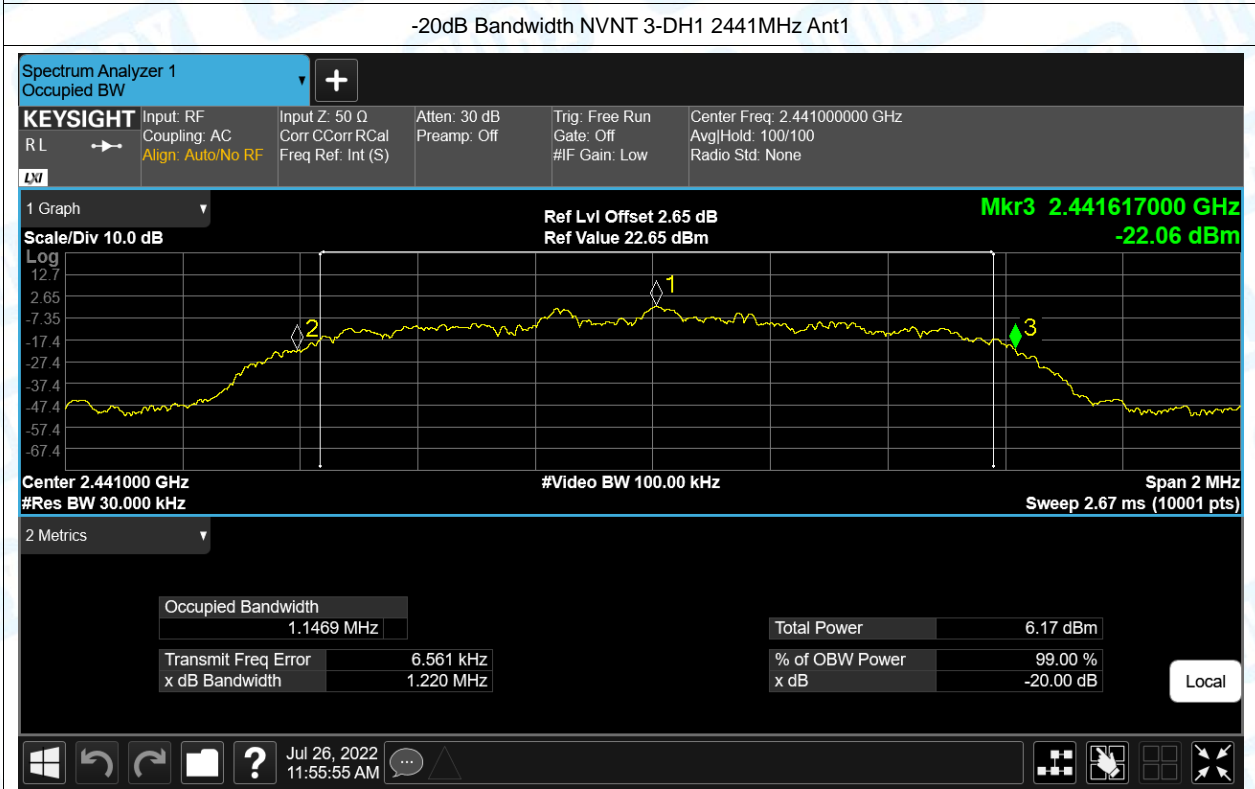
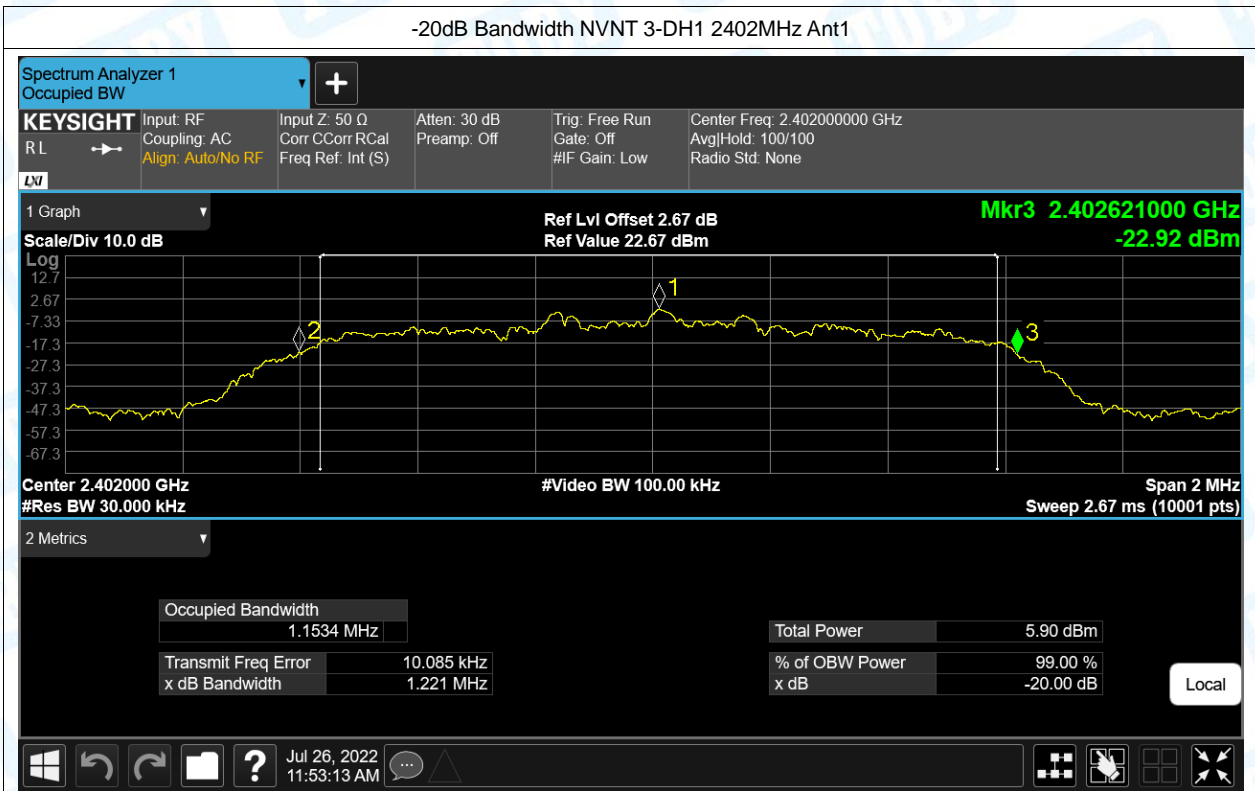
2. -20dB Bandwidth

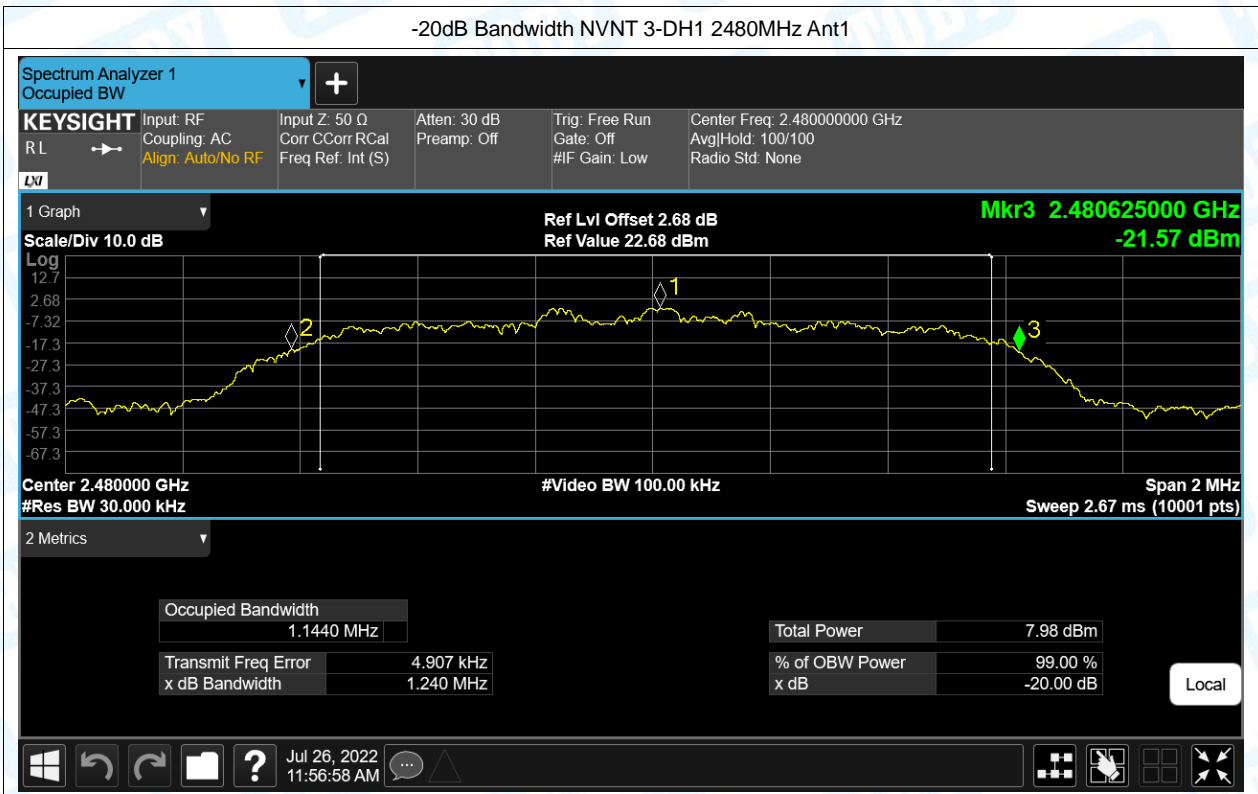
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	0.87	0	Pass
NVNT	1-DH1	2441	Ant1	0.85	0	Pass
NVNT	1-DH1	2480	Ant1	0.92	0	Pass
NVNT	2-DH1	2402	Ant1	1.26	0	Pass
NVNT	2-DH1	2441	Ant1	1.24	0	Pass
NVNT	2-DH1	2480	Ant1	1.27	0	Pass
NVNT	3-DH1	2402	Ant1	1.22	0	Pass
NVNT	3-DH1	2441	Ant1	1.22	0	Pass
NVNT	3-DH1	2480	Ant1	1.24	0	Pass





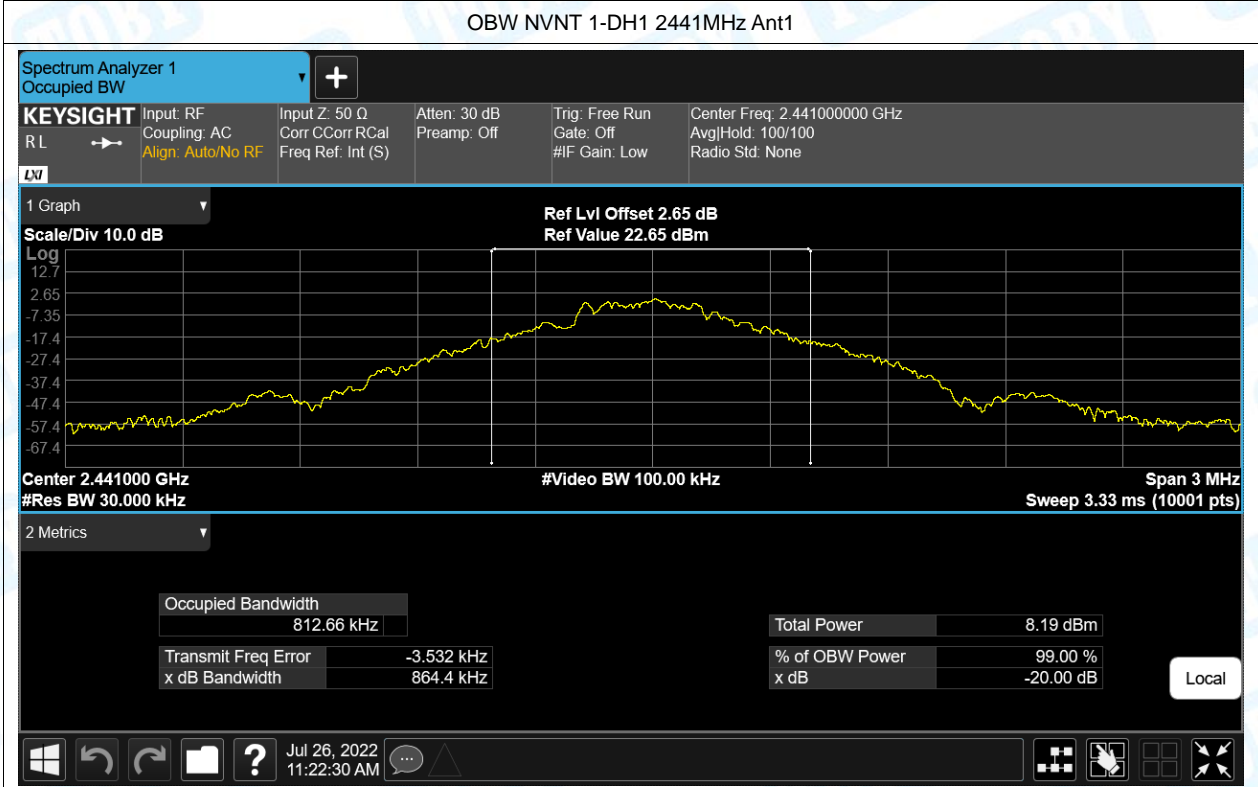
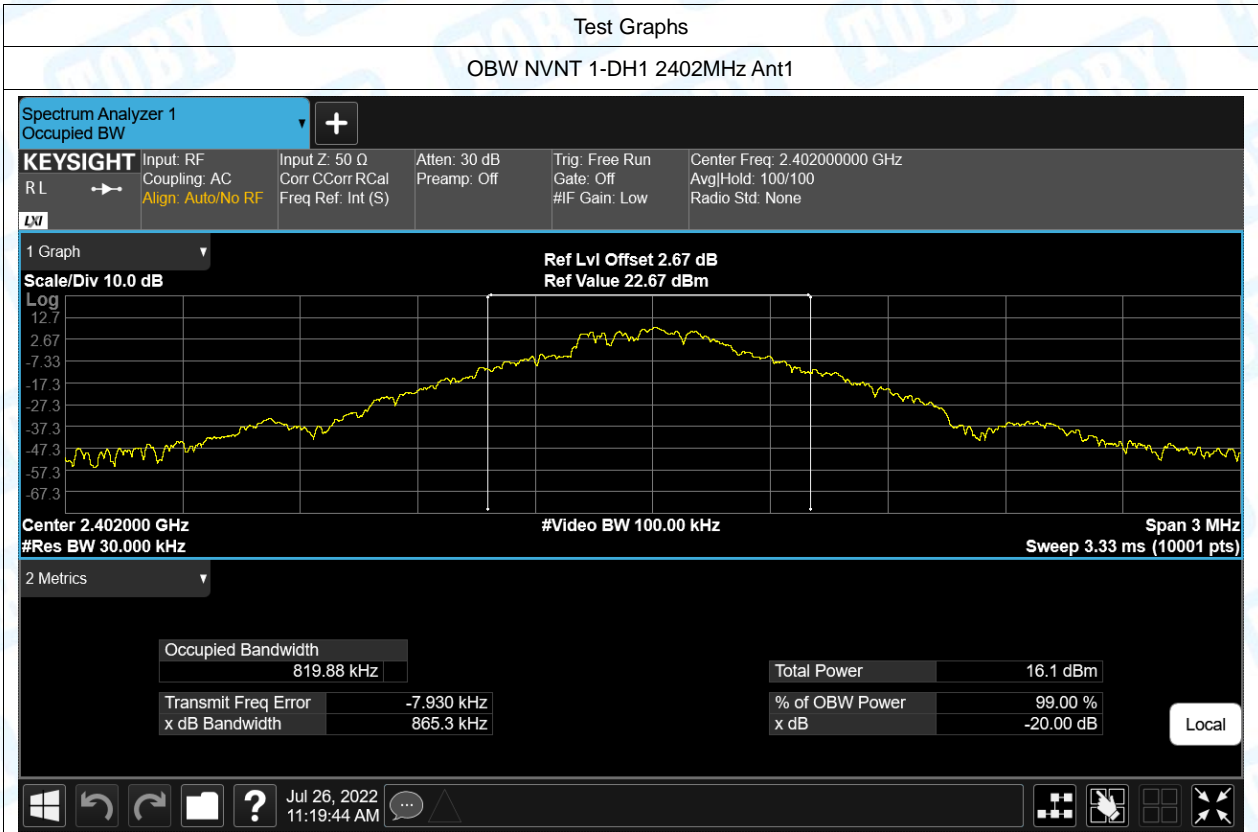


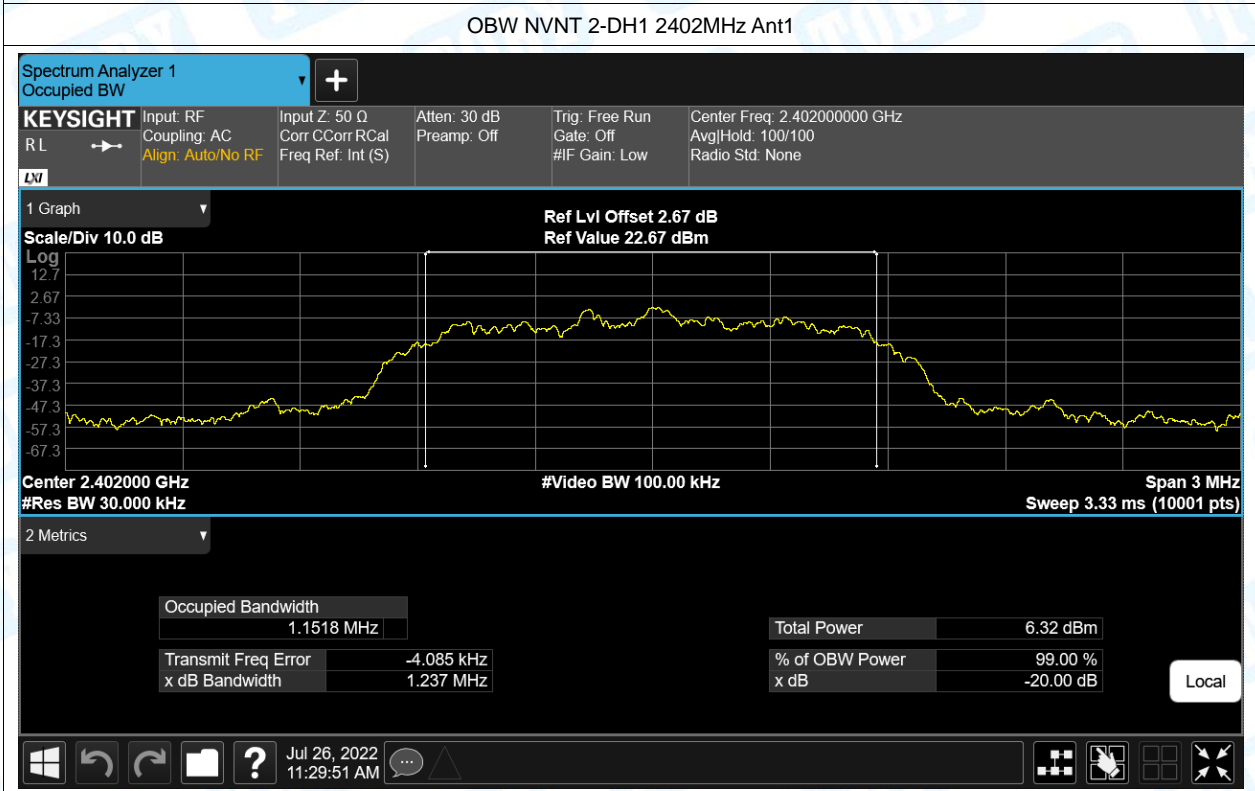
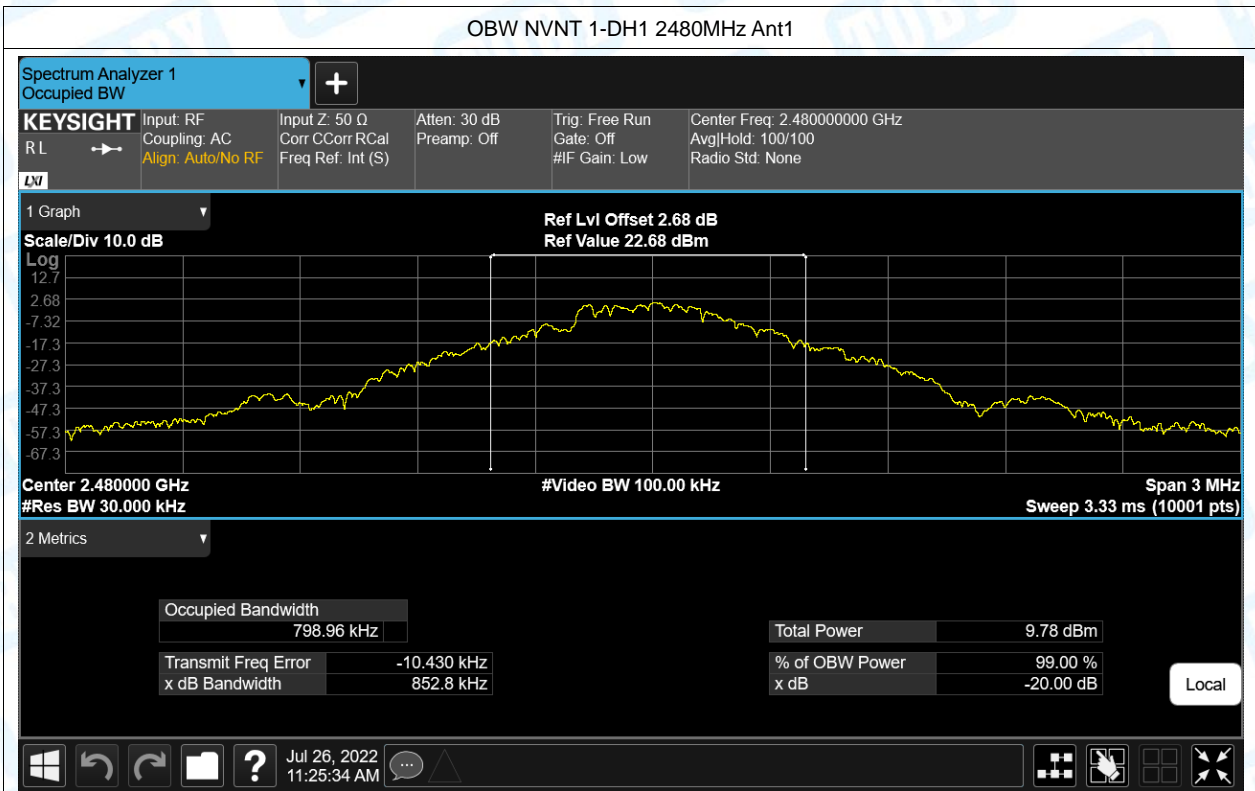


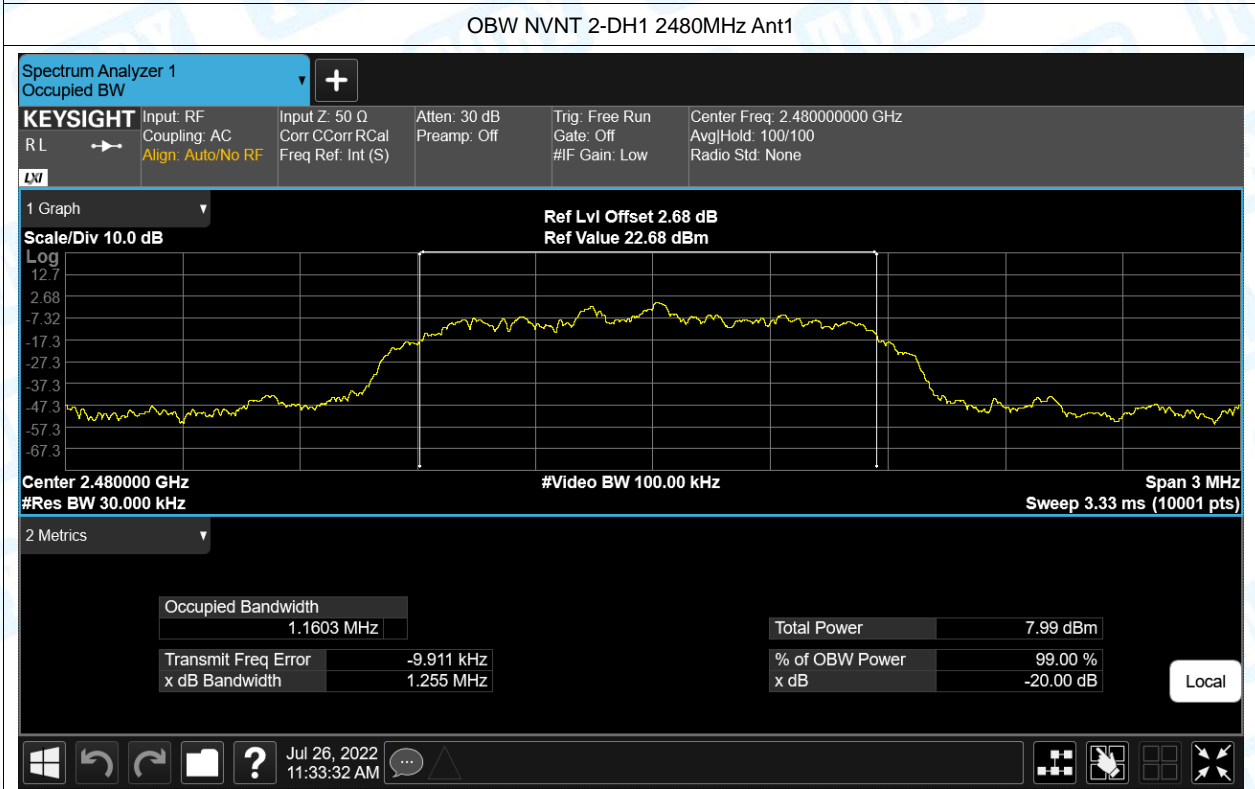
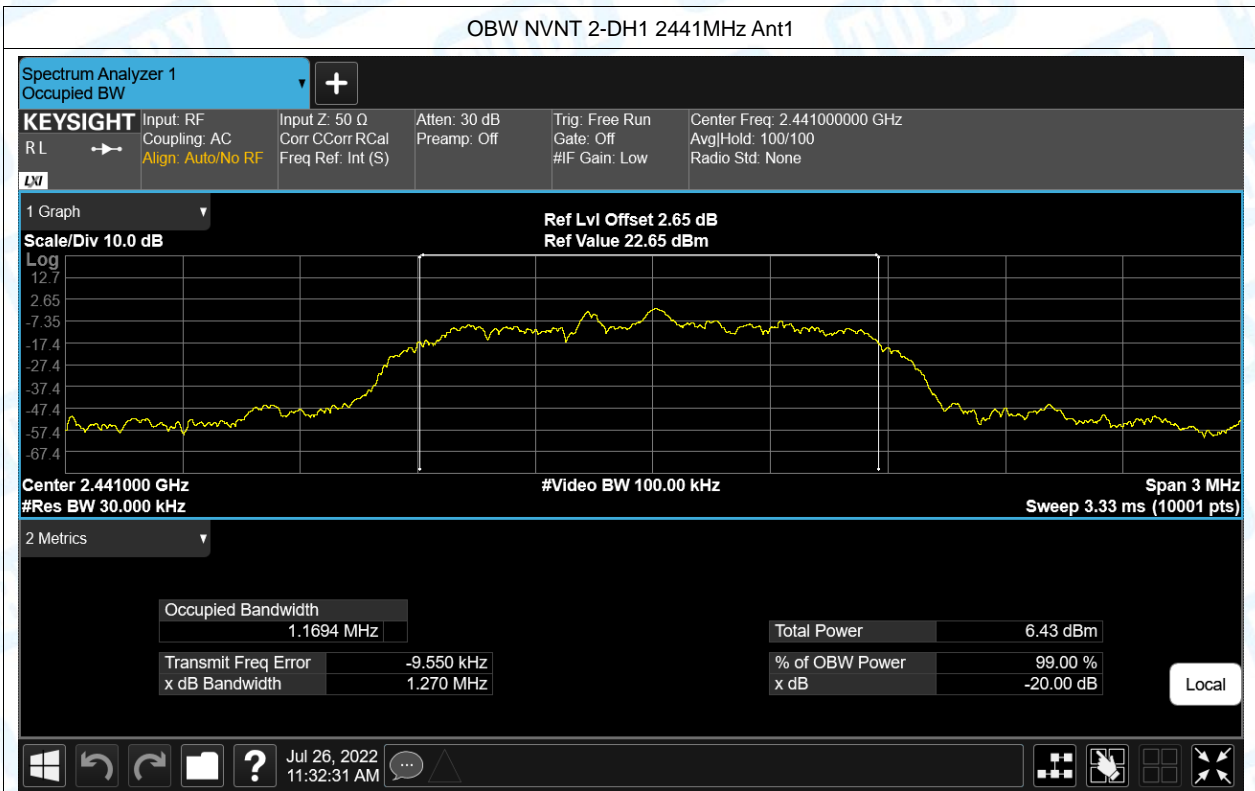


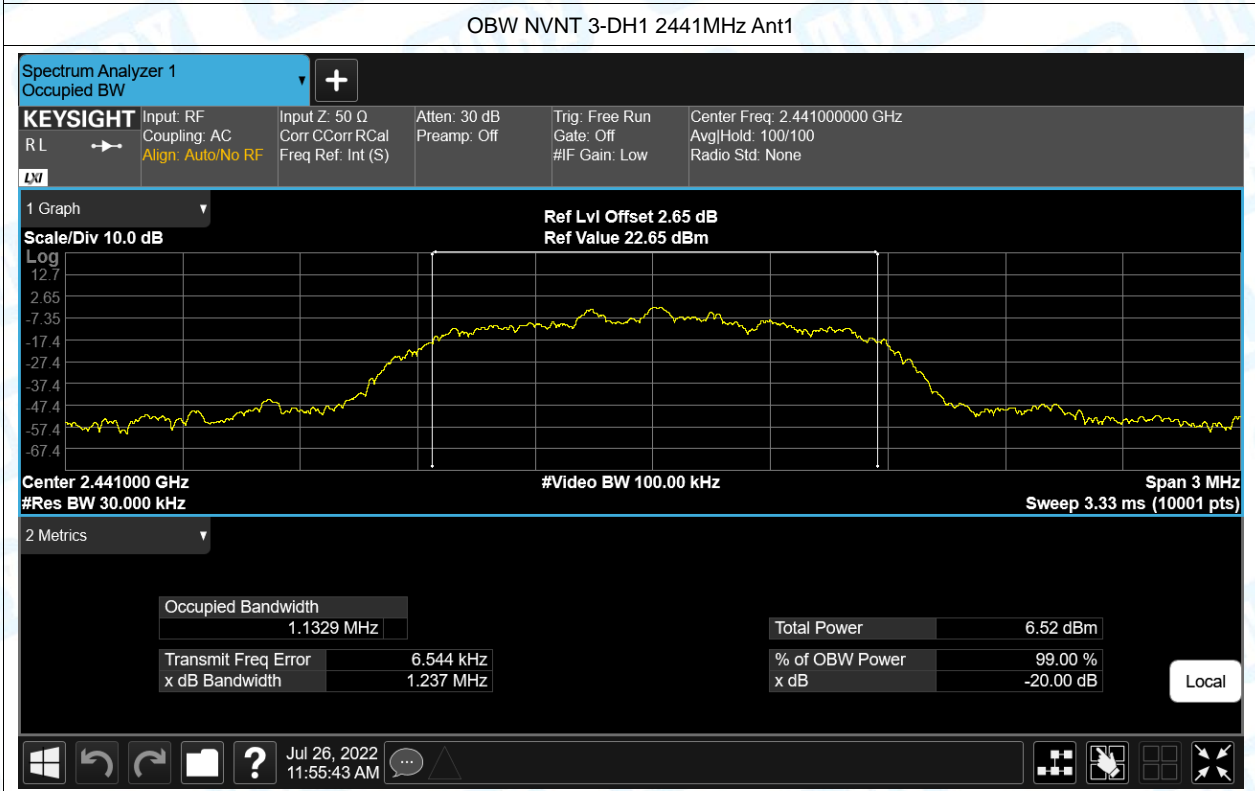
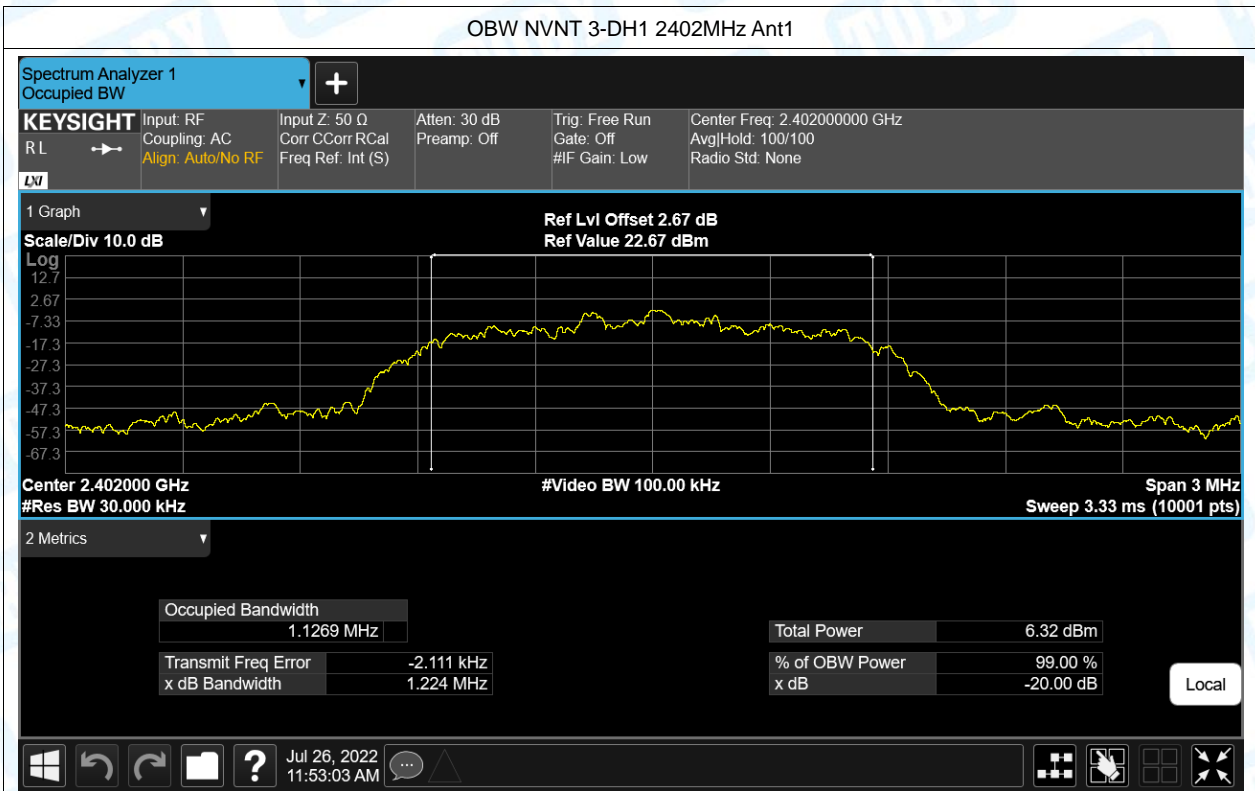
3. Occupied Channel Bandwidth

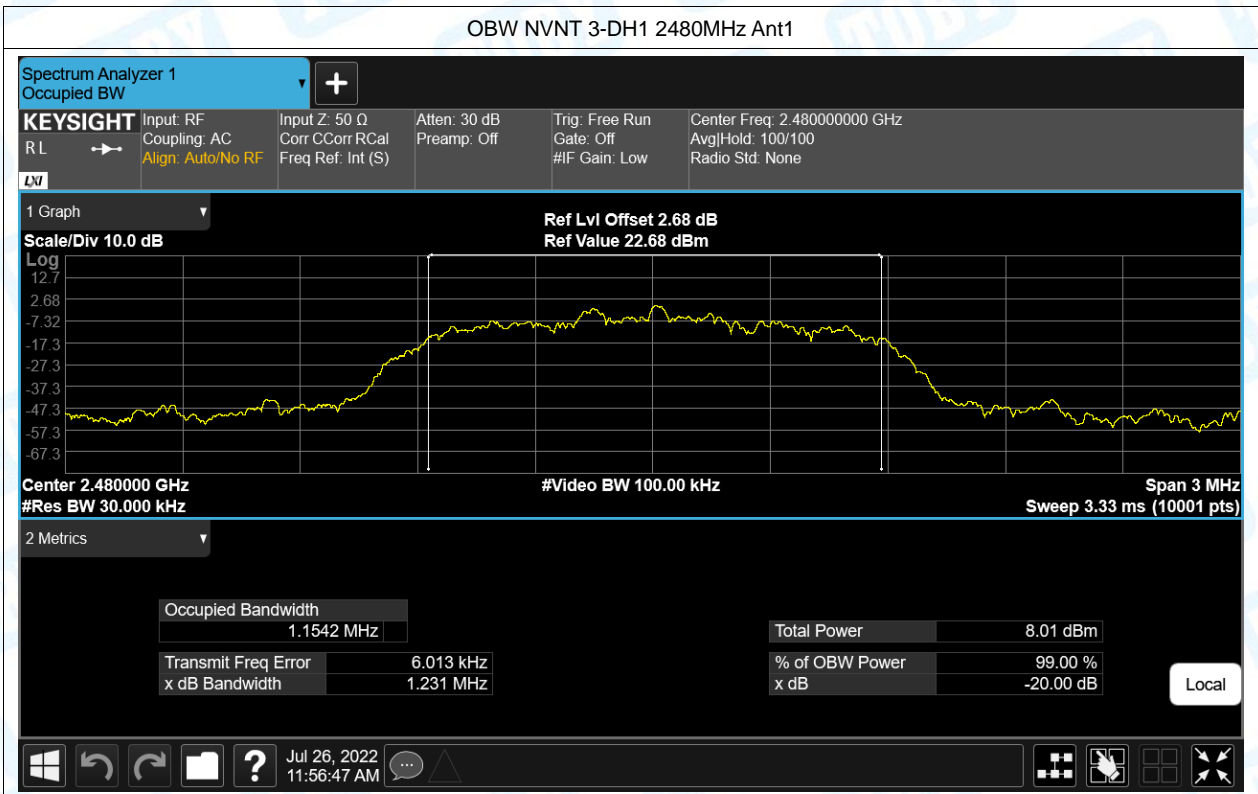
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.82
NVNT	1-DH1	2441	Ant1	0.813
NVNT	1-DH1	2480	Ant1	0.799
NVNT	2-DH1	2402	Ant1	1.152
NVNT	2-DH1	2441	Ant1	1.169
NVNT	2-DH1	2480	Ant1	1.16
NVNT	3-DH1	2402	Ant1	1.127
NVNT	3-DH1	2441	Ant1	1.133
NVNT	3-DH1	2480	Ant1	1.154





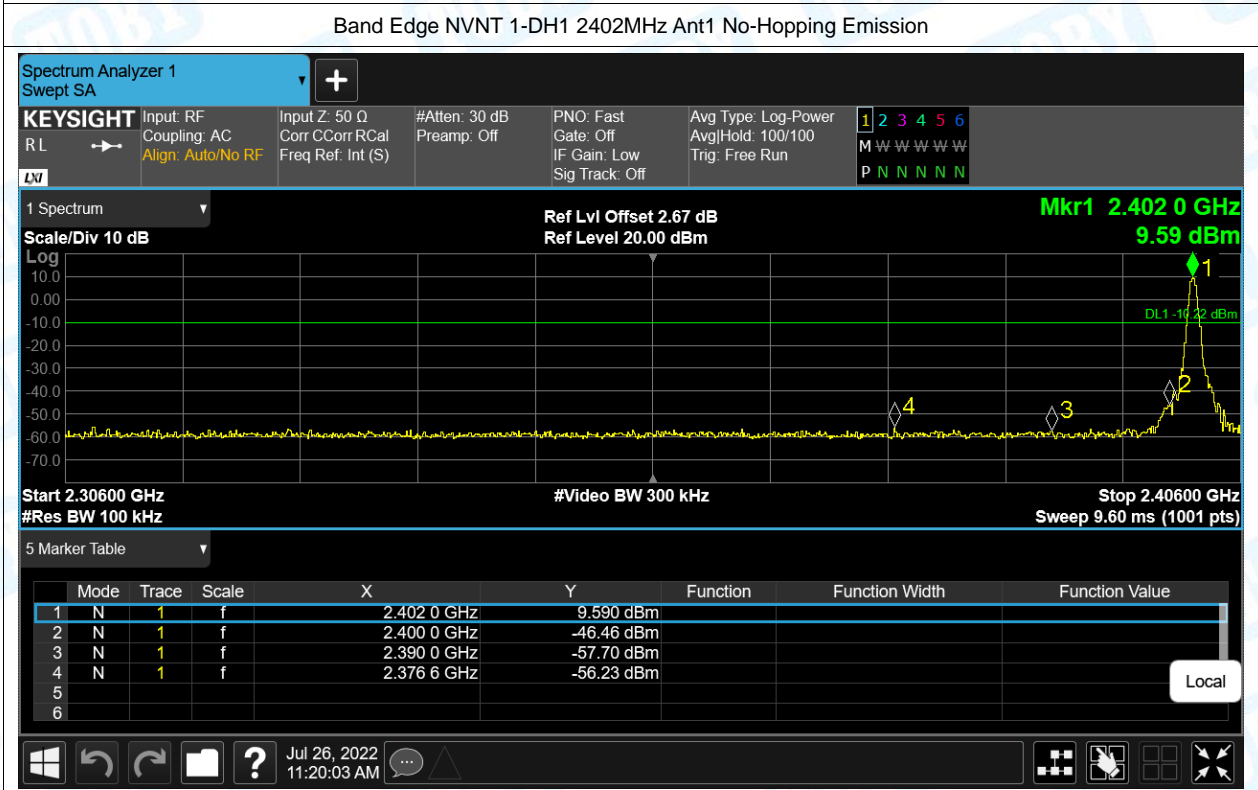
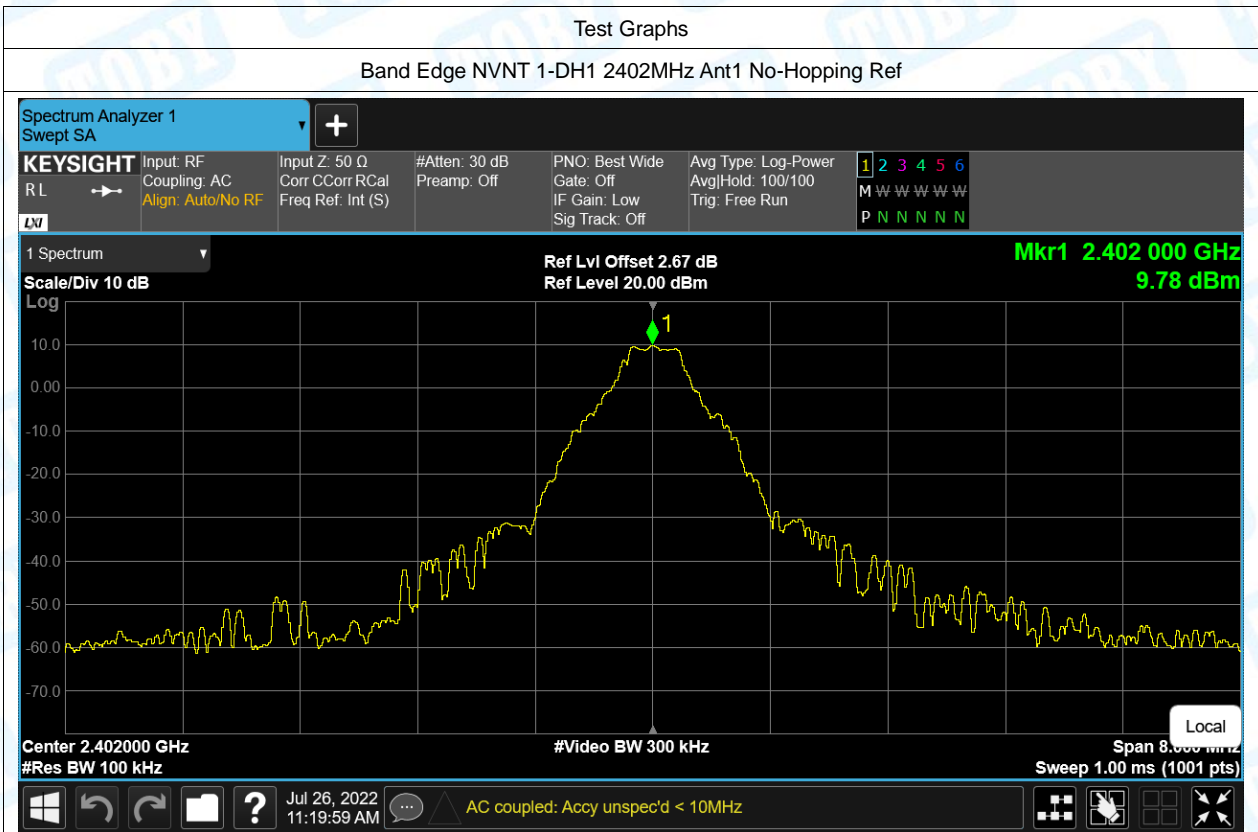


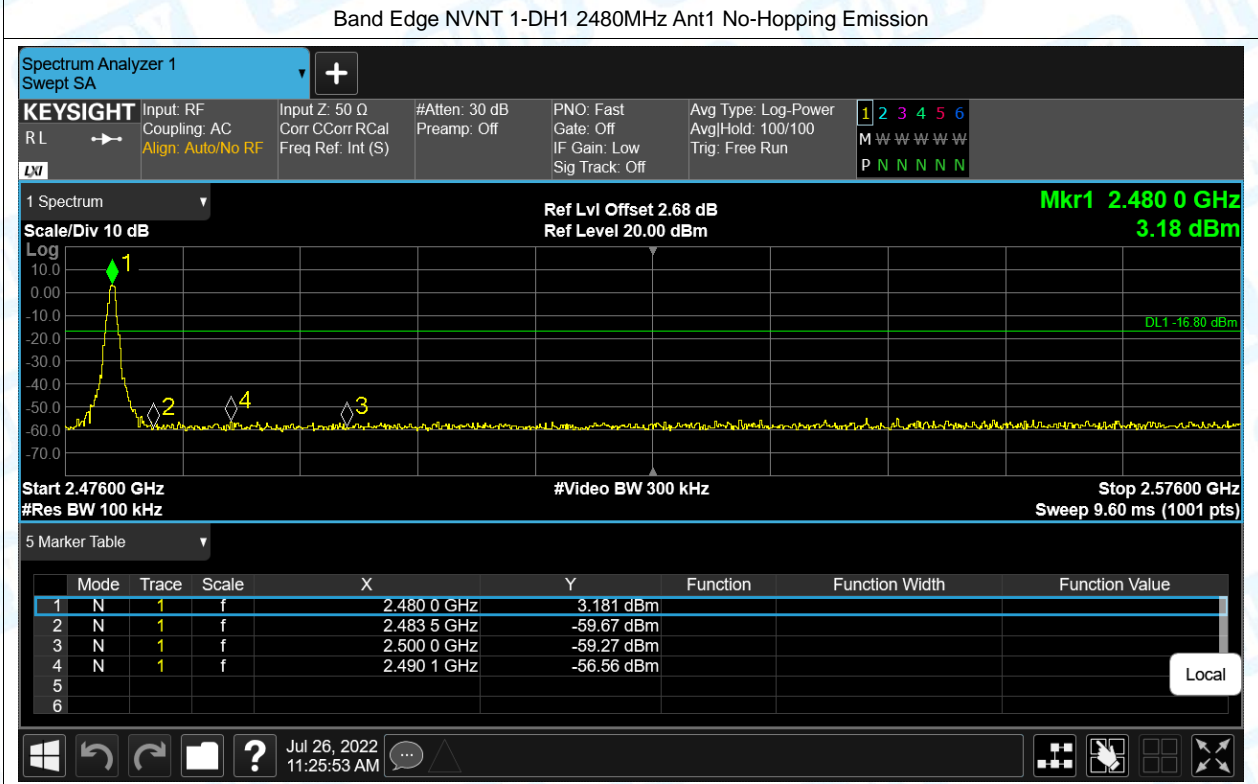
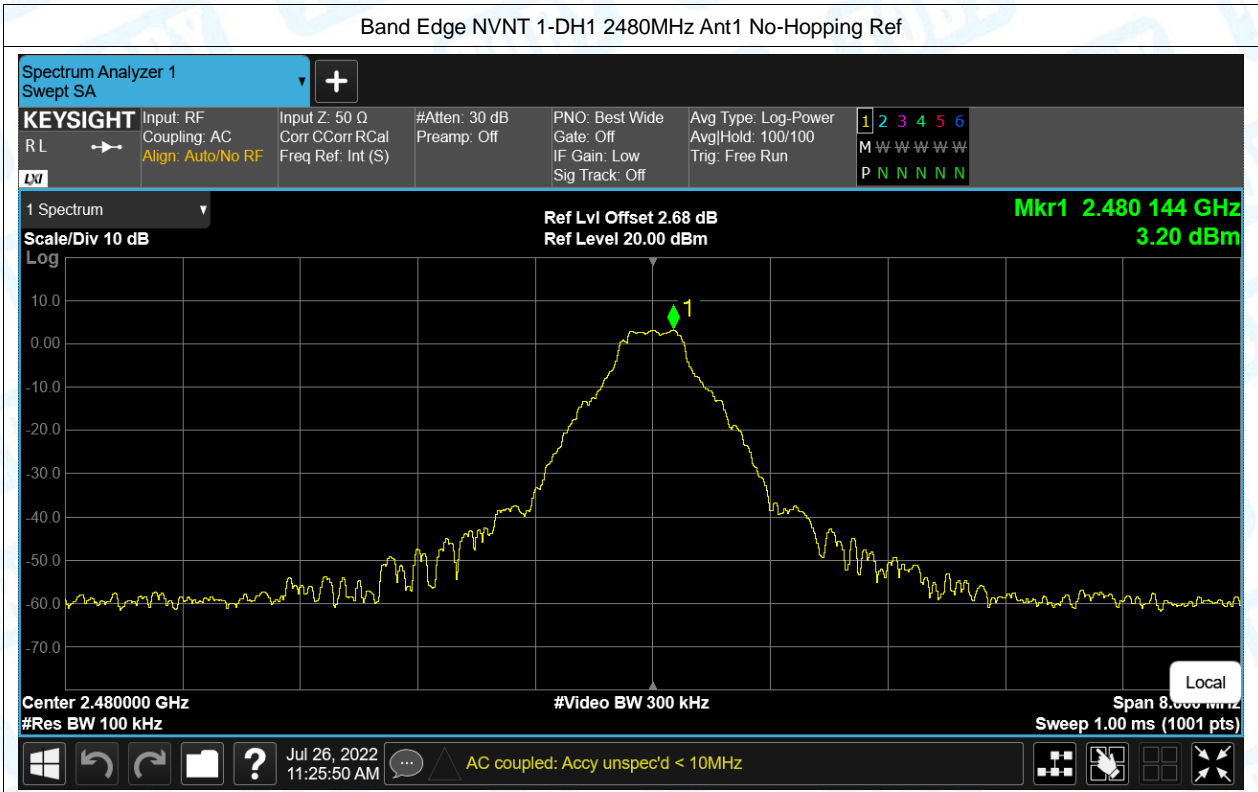


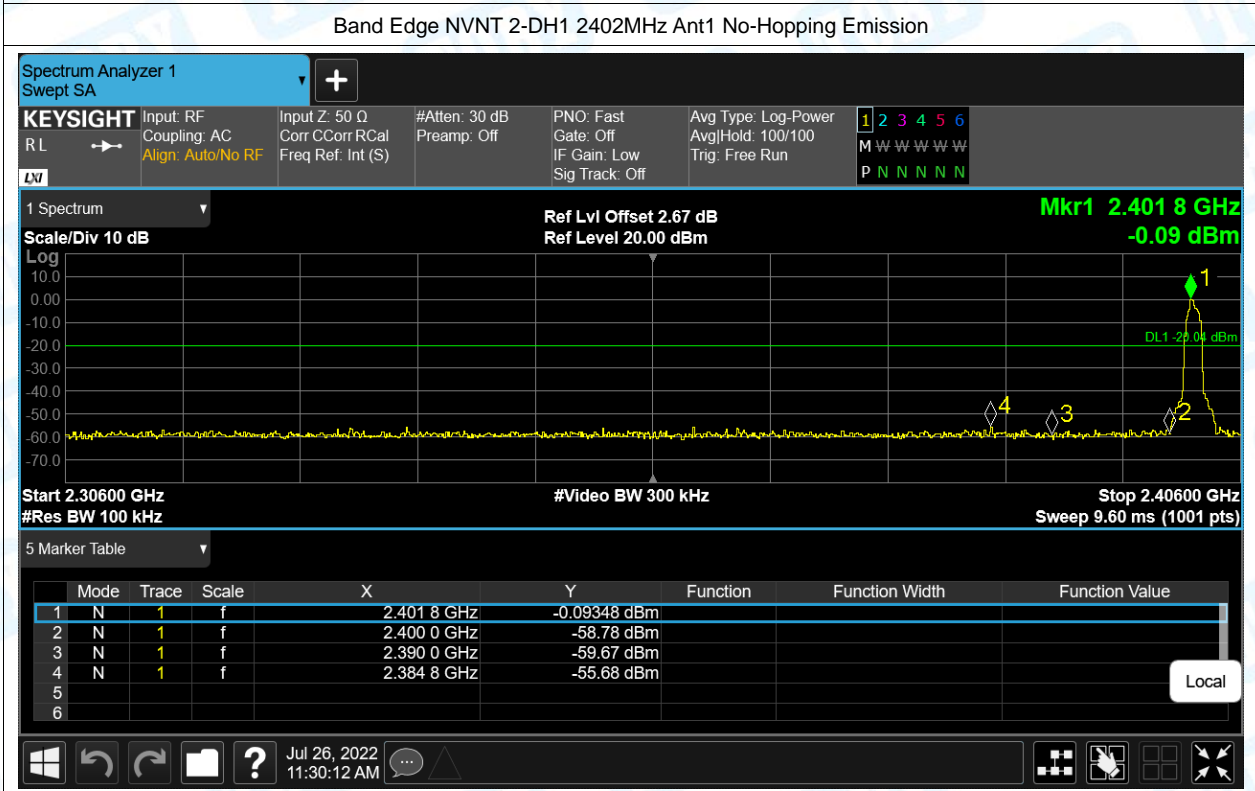
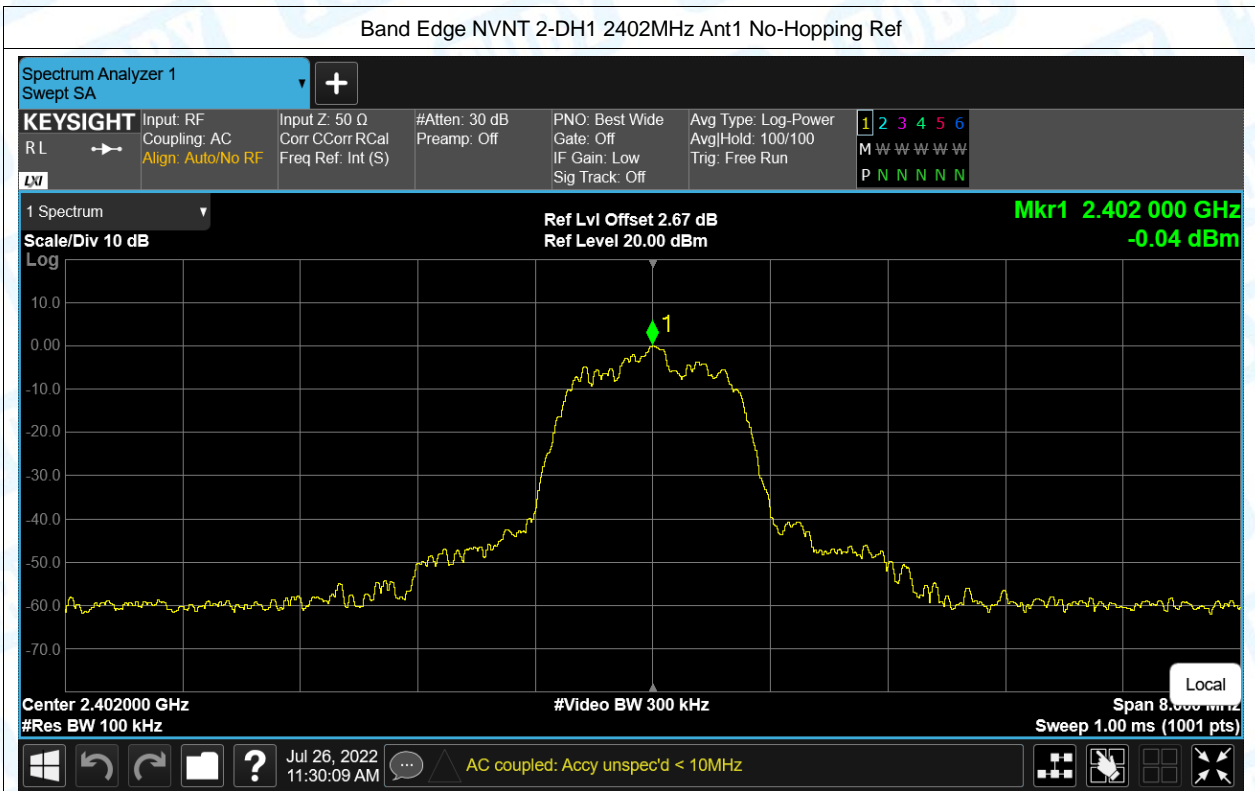


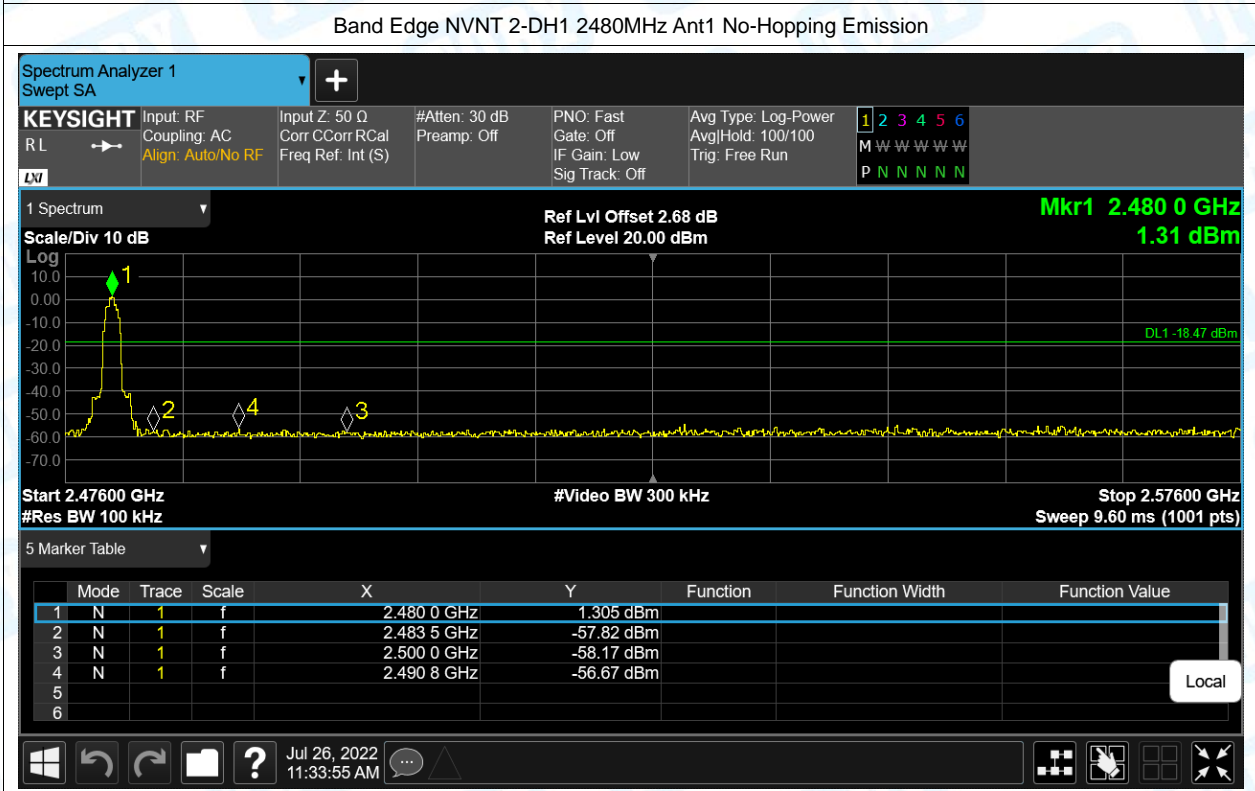
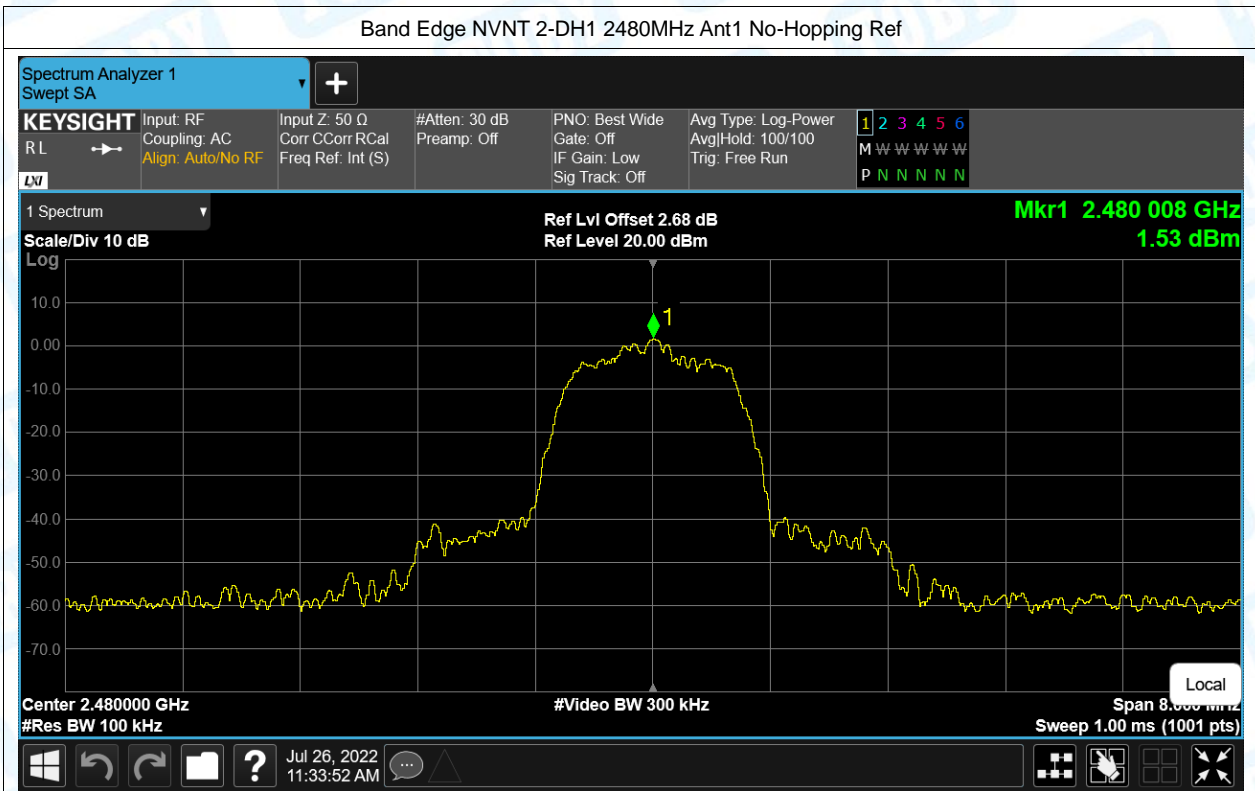
4. Band Edge

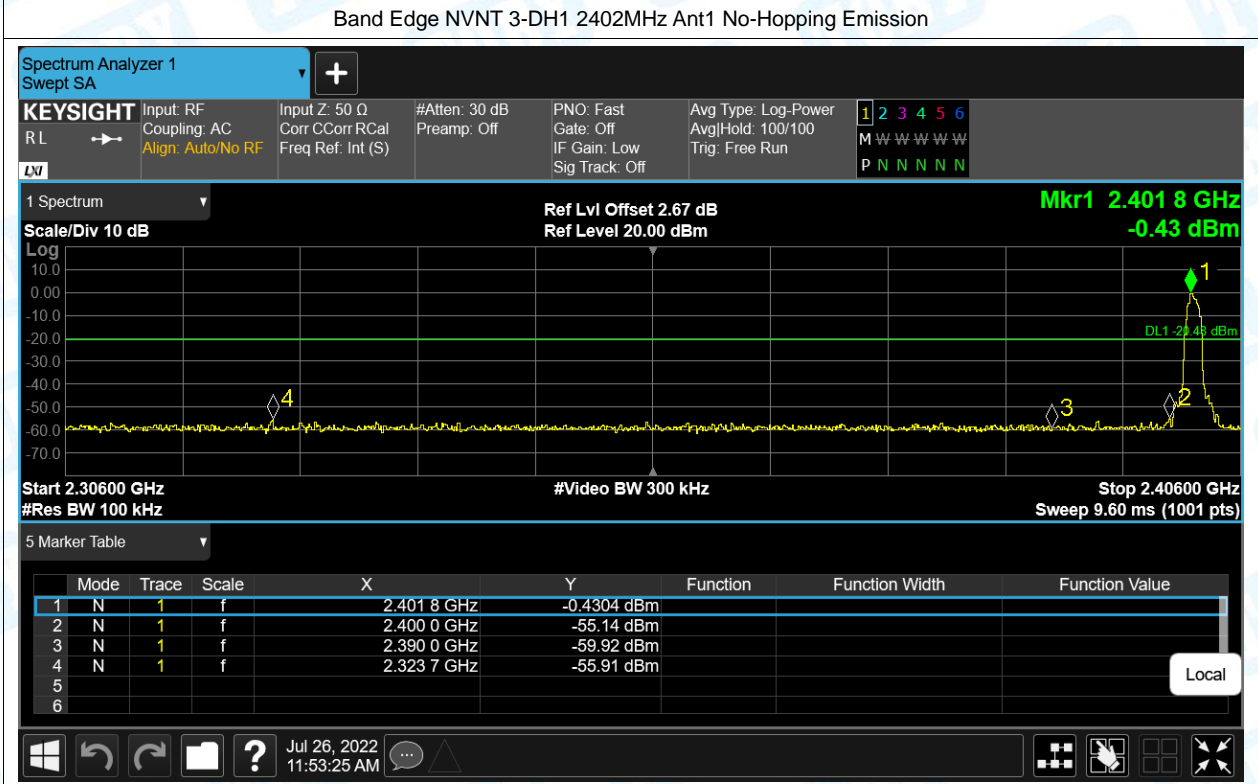
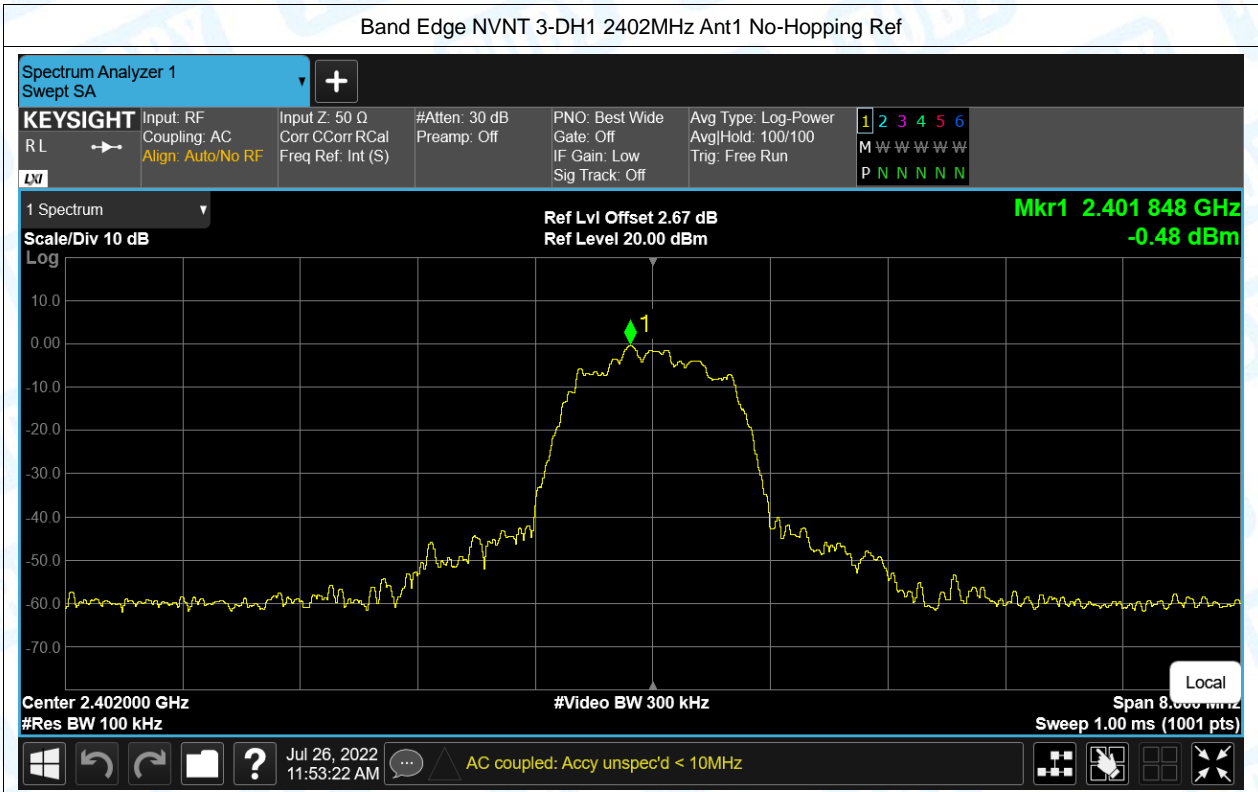
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-66.01	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-59.77	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-55.64	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-58.2	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-55.43	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-57.65	-20	Pass

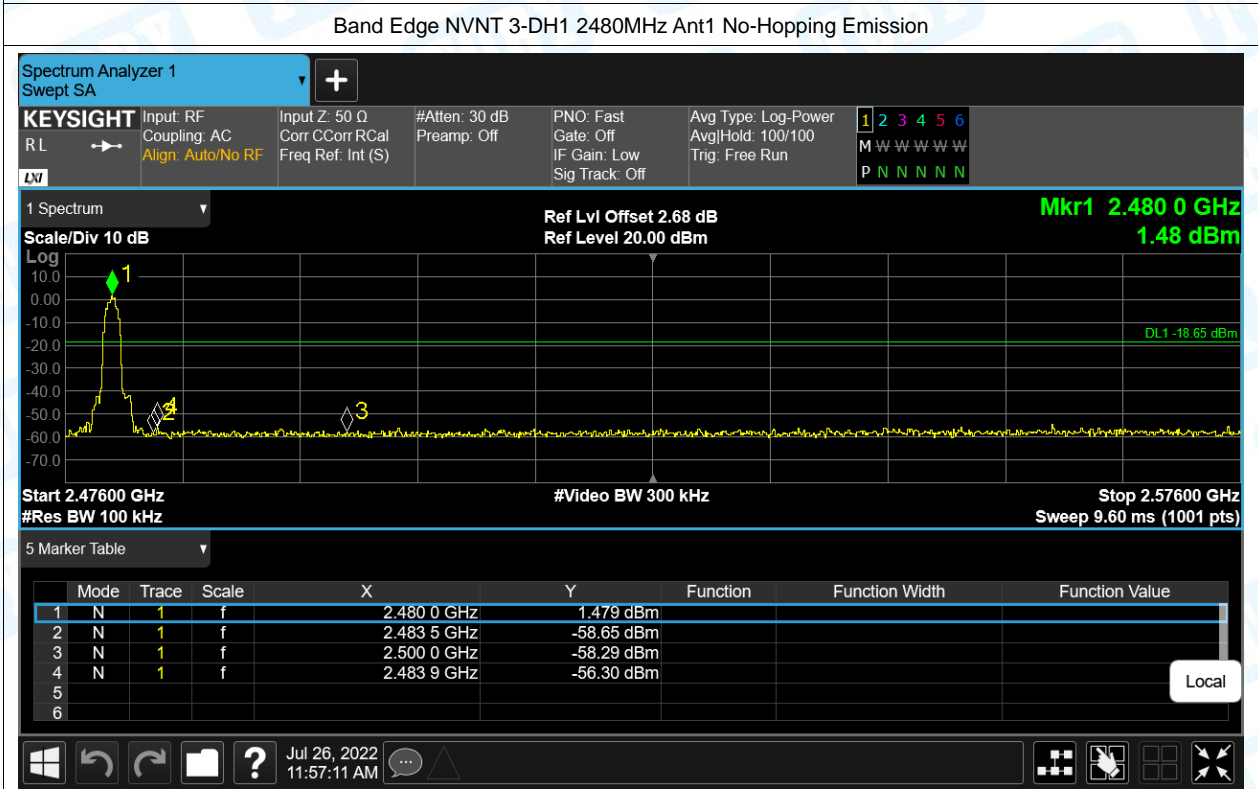
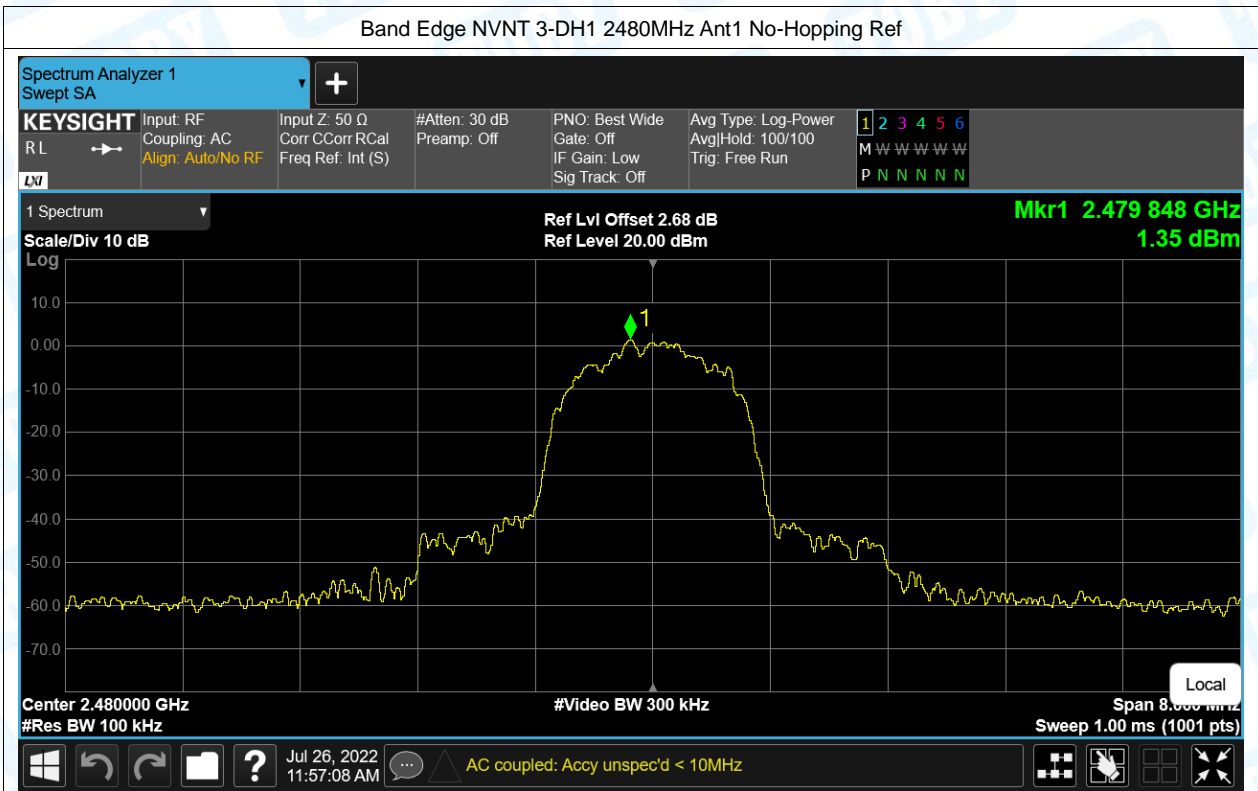






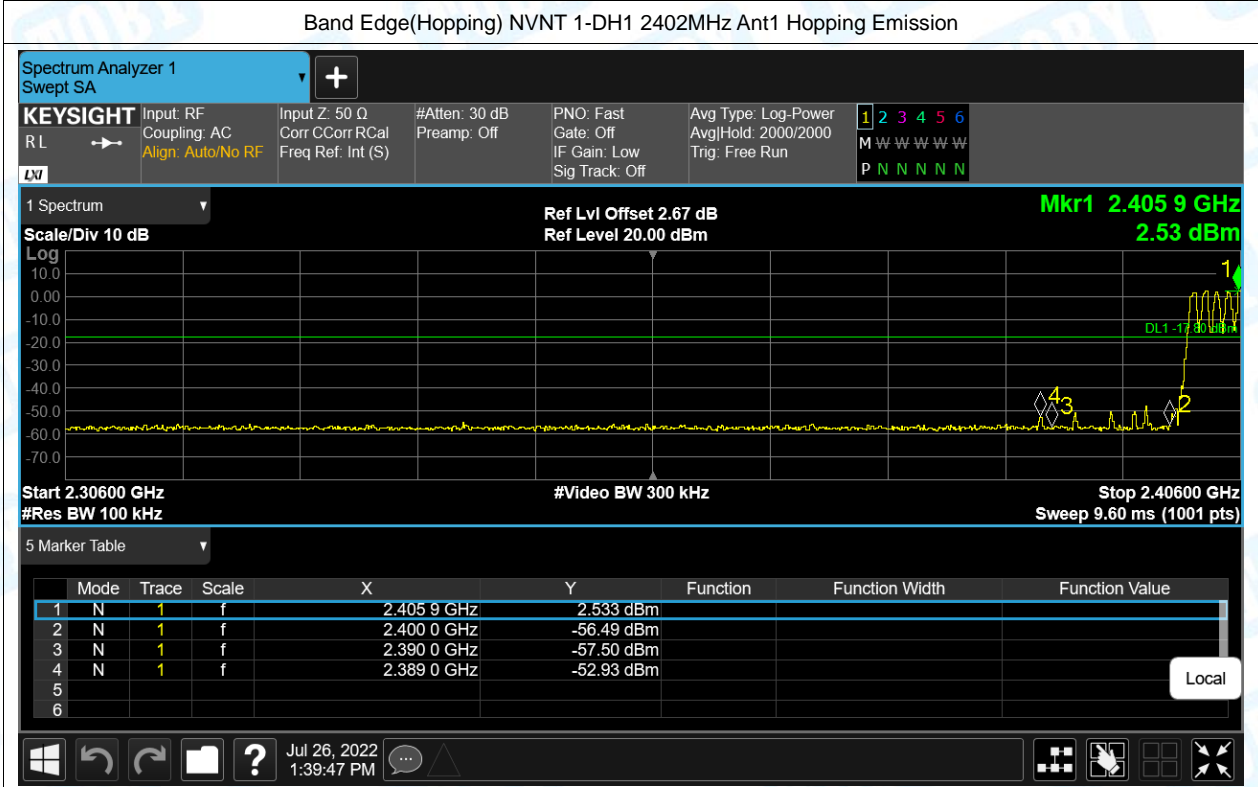
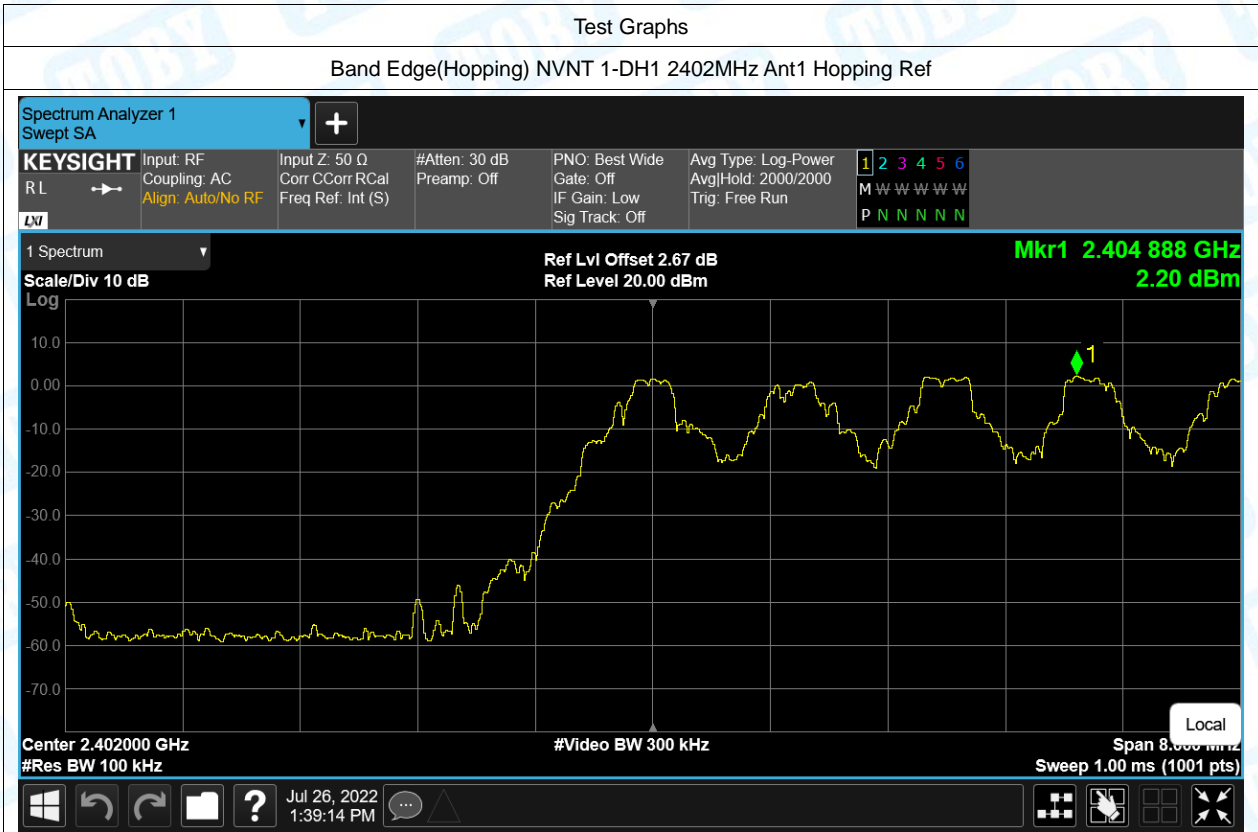


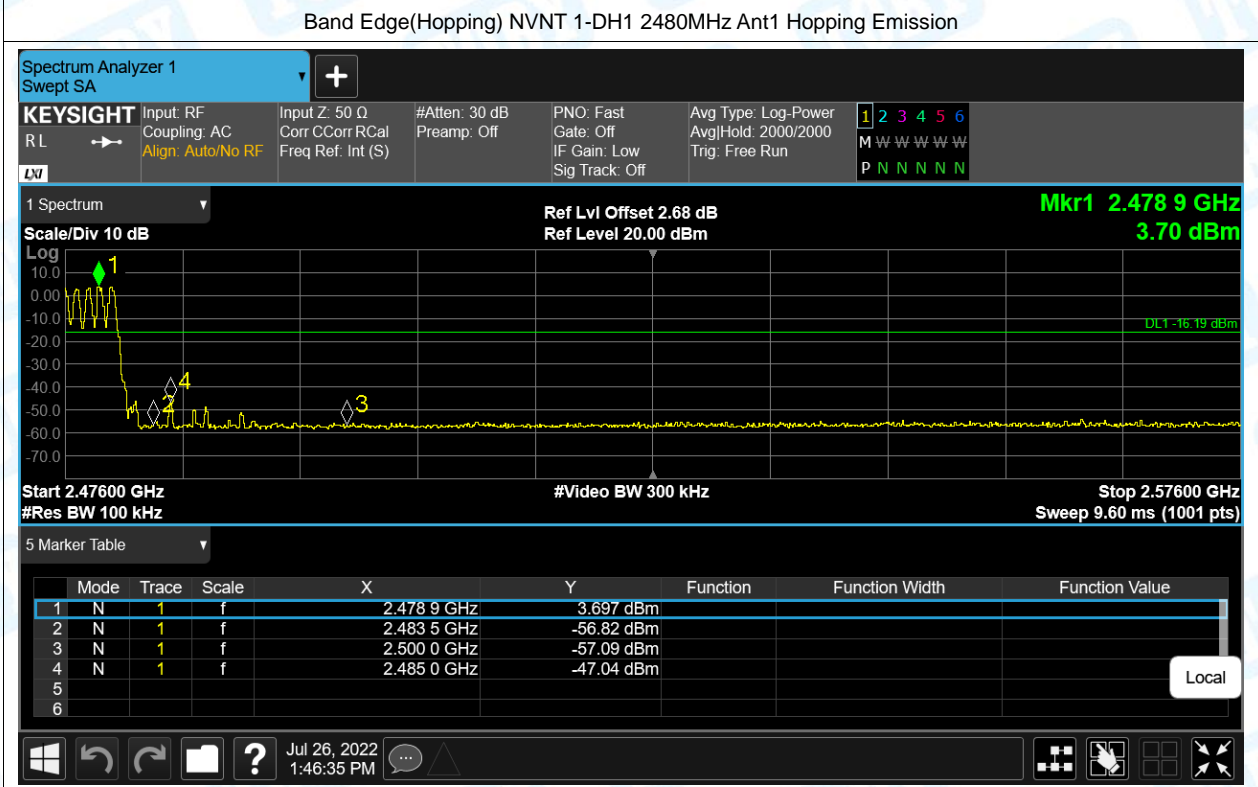
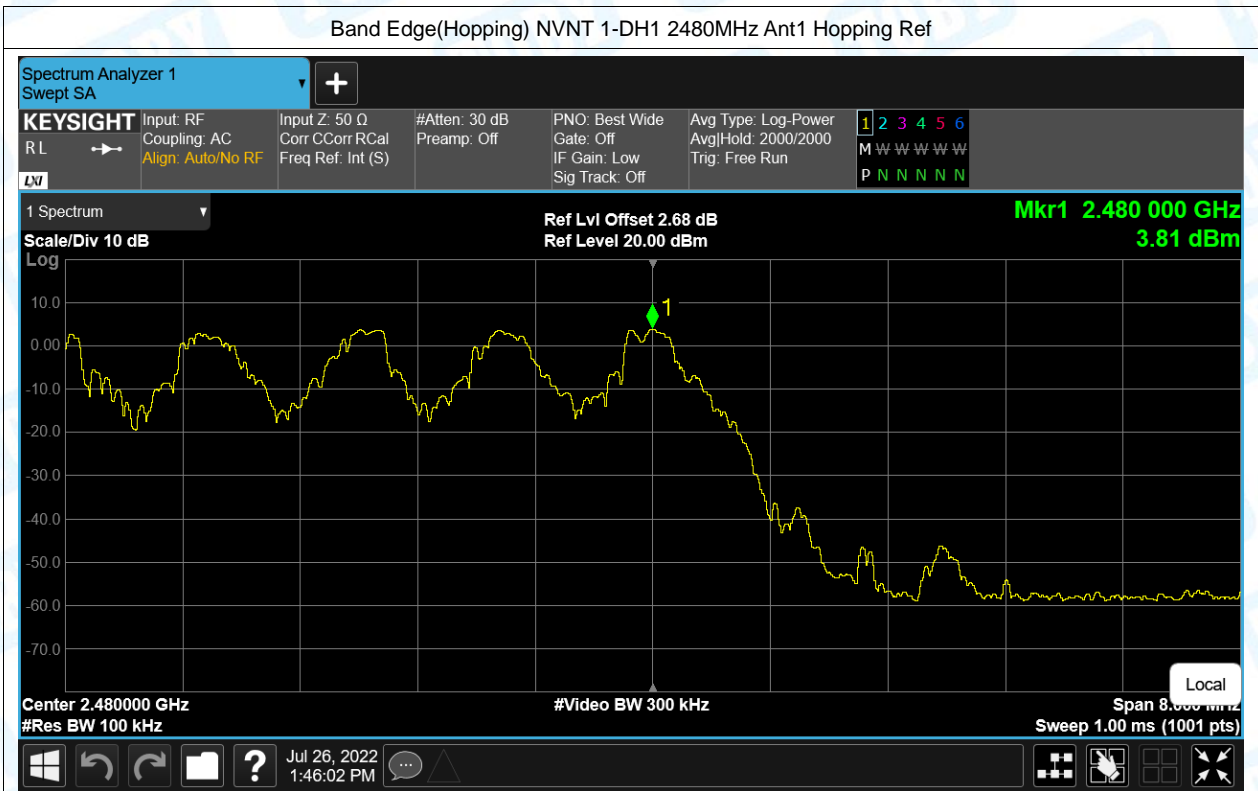


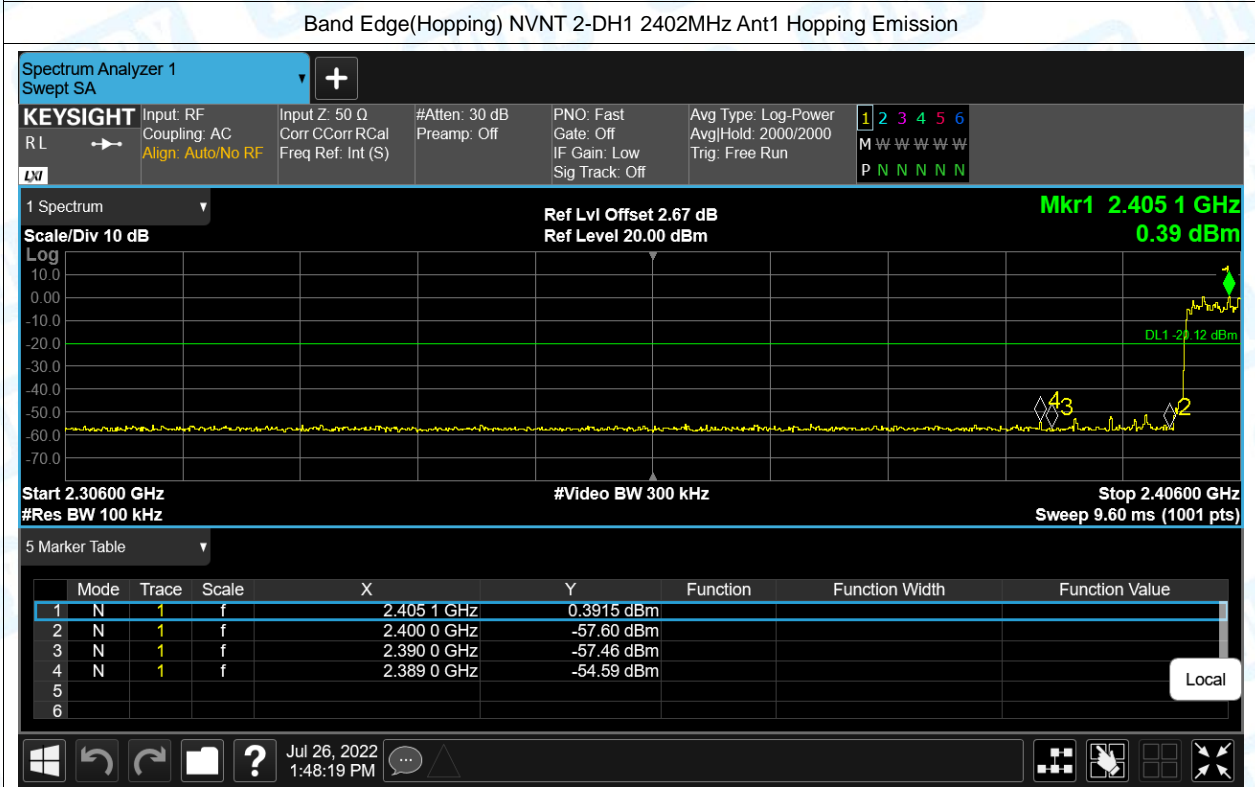
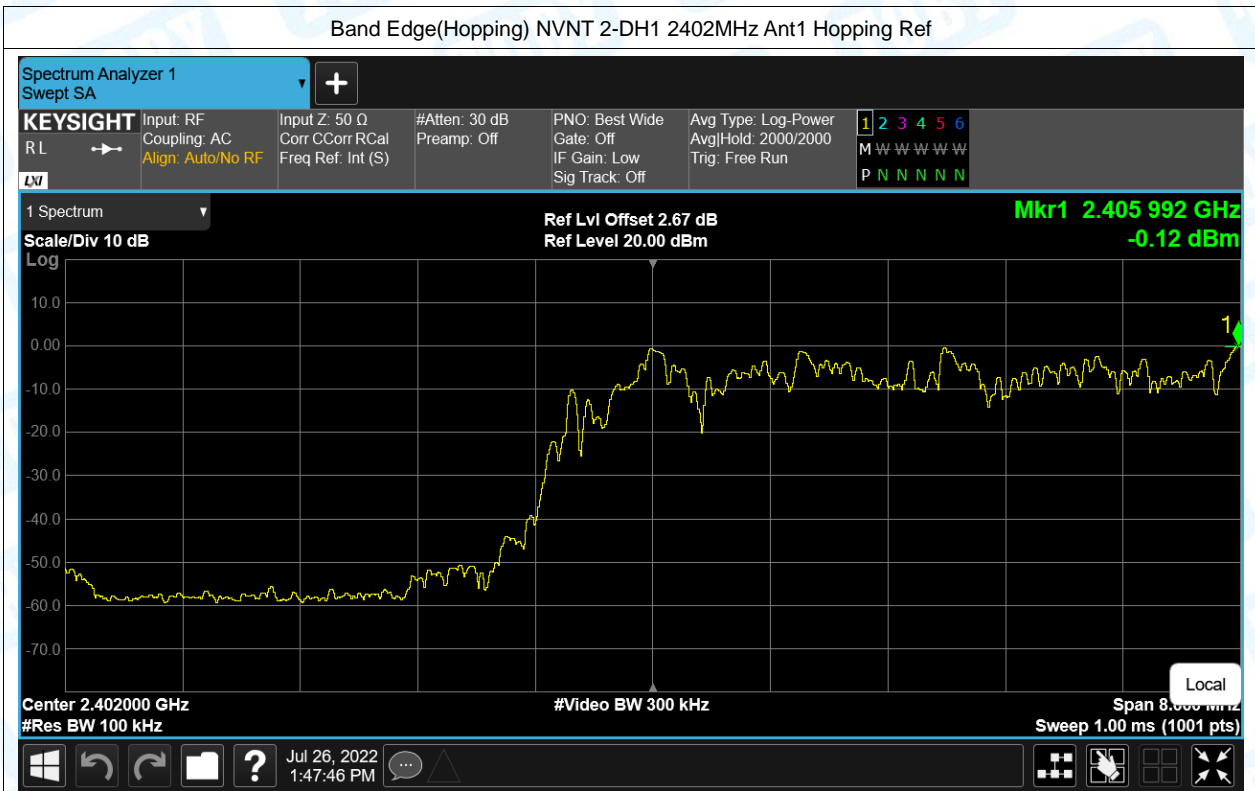


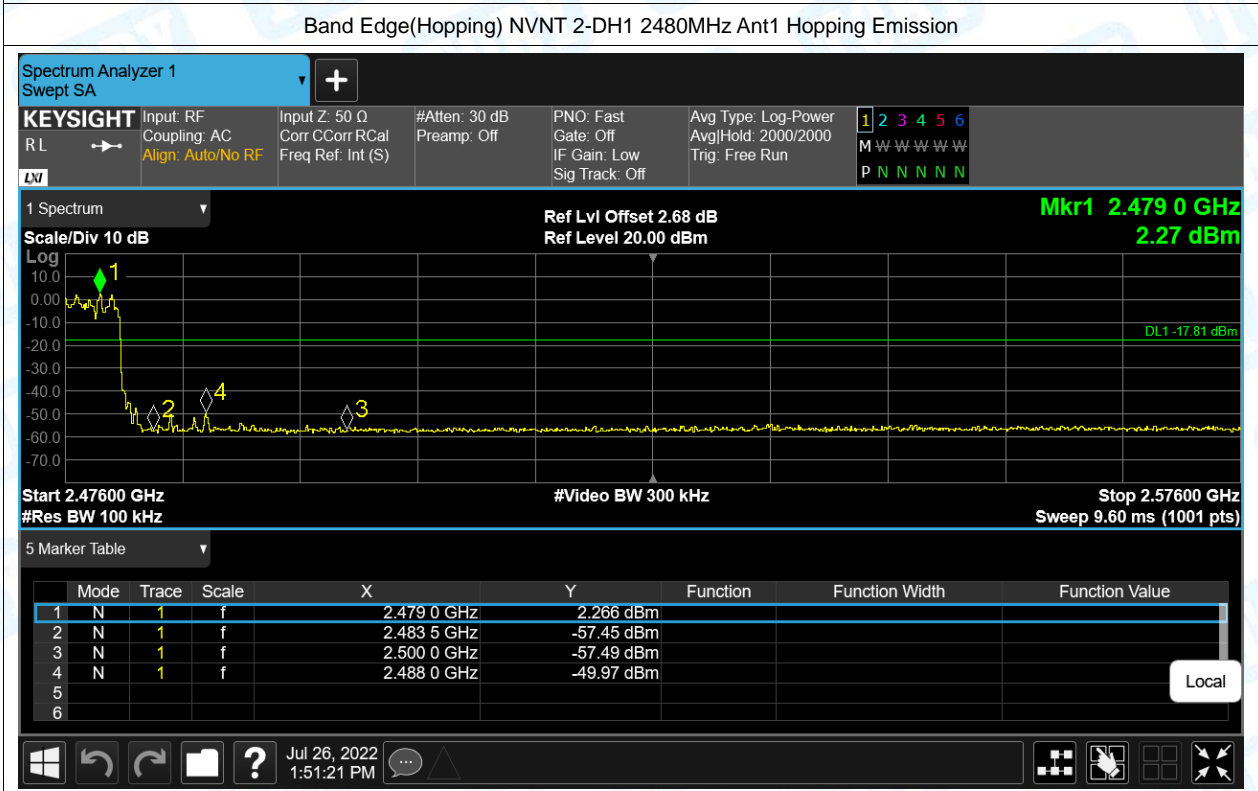
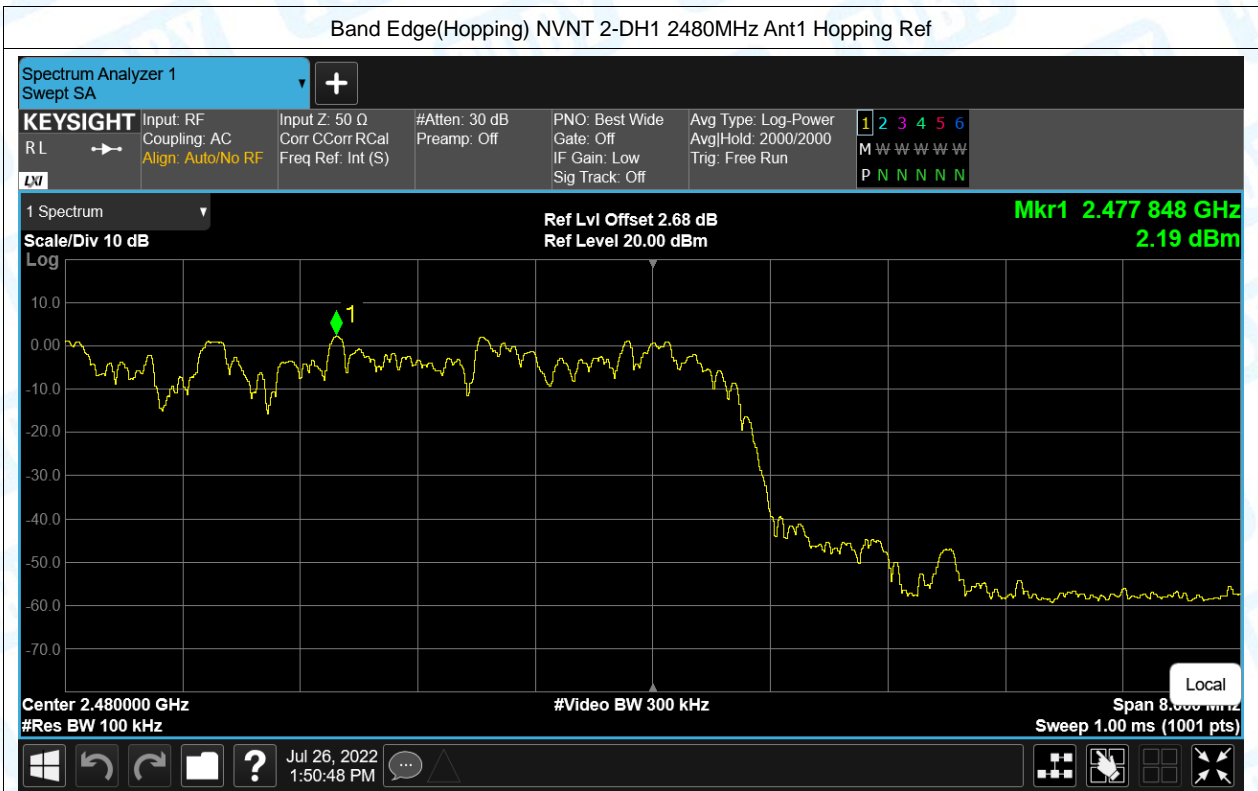
5. Band Edge(Hopping)

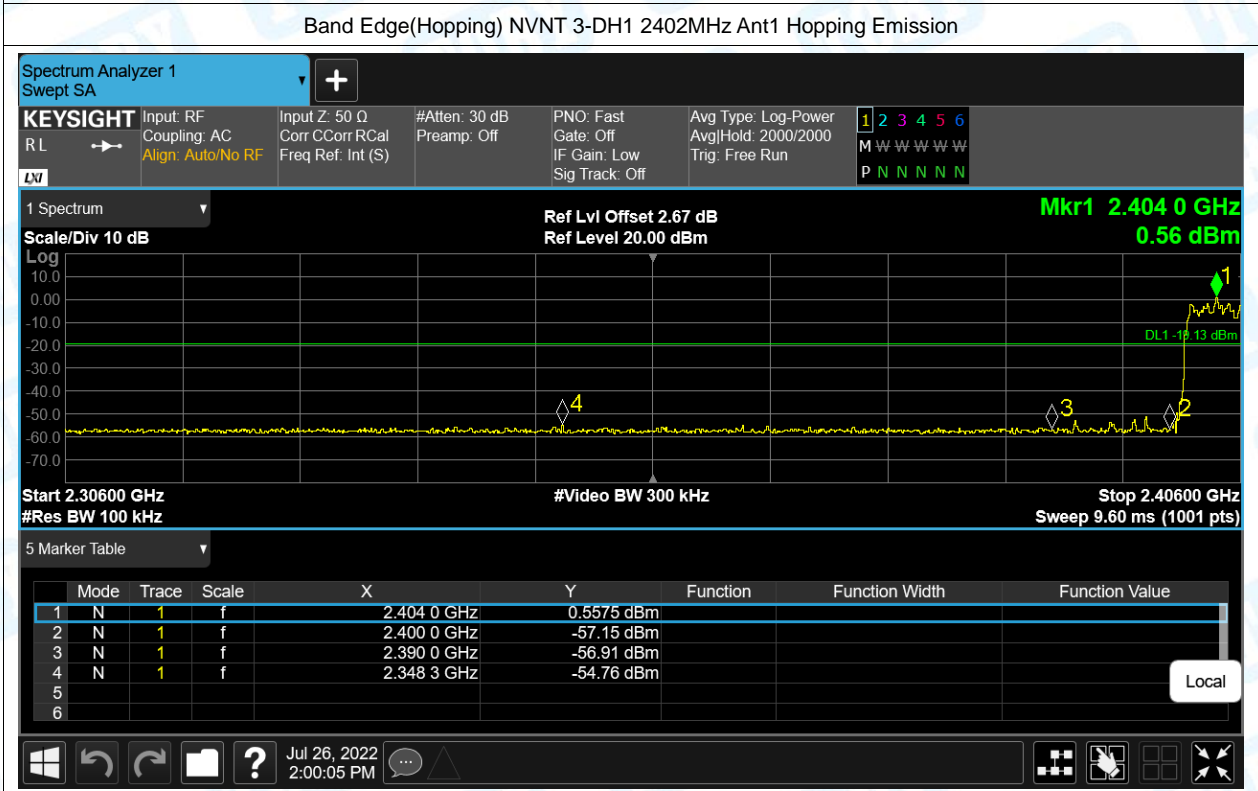
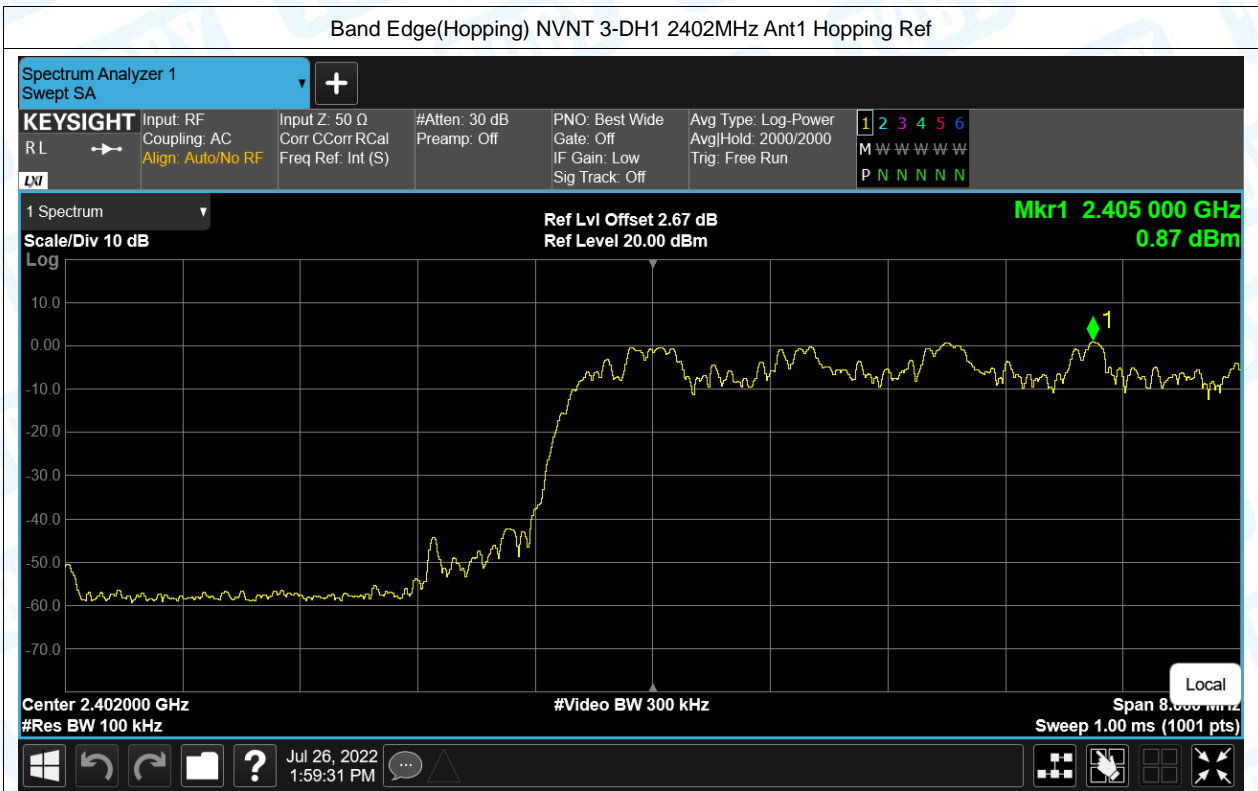
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-55.13	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-50.85	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-54.47	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-52.16	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-55.63	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-51.75	-20	Pass

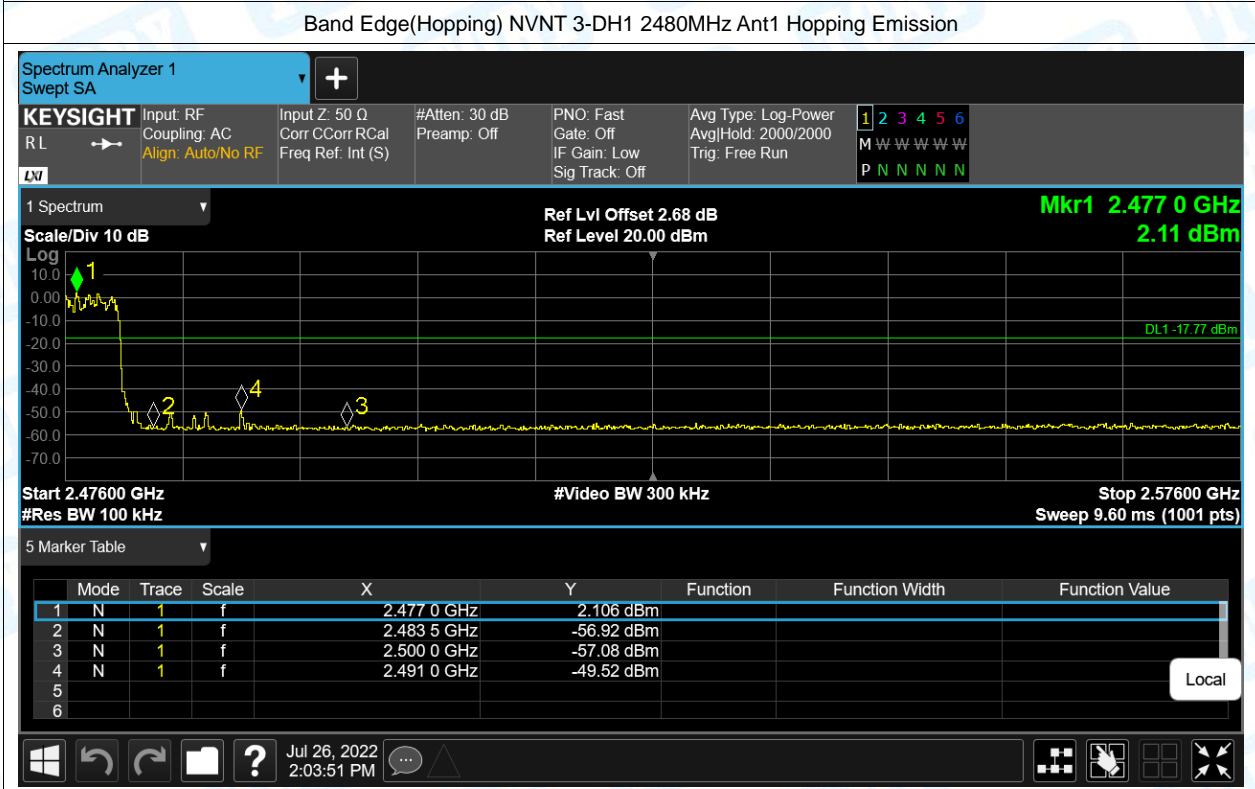












6. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-61.58	-20	Pass
NVNT	1-DH1	2480	Ant1	-55.46	-20	Pass
NVNT	2-DH1	2402	Ant1	-52.07	-20	Pass
NVNT	2-DH1	2480	Ant1	-46.81	-20	Pass
NVNT	3-DH1	2402	Ant1	-50.96	-20	Pass
NVNT	3-DH1	2480	Ant1	-52.82	-20	Pass

