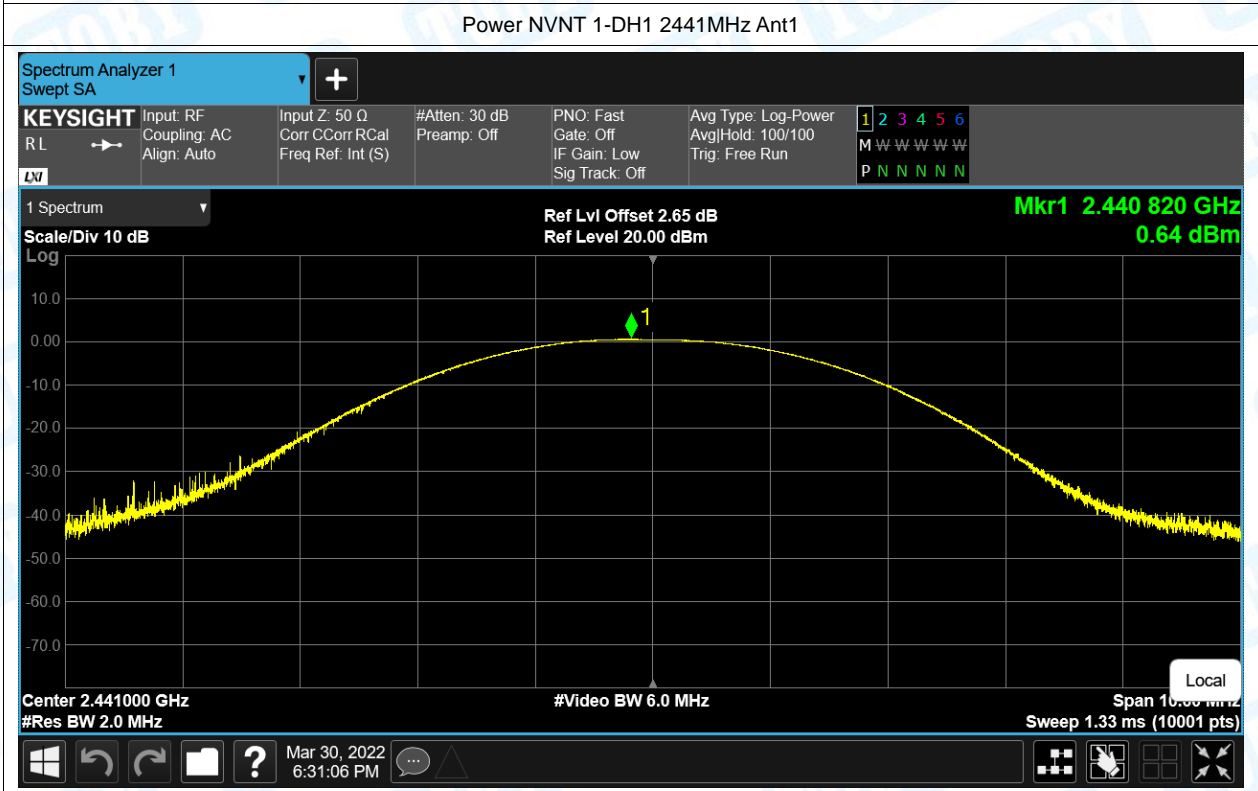
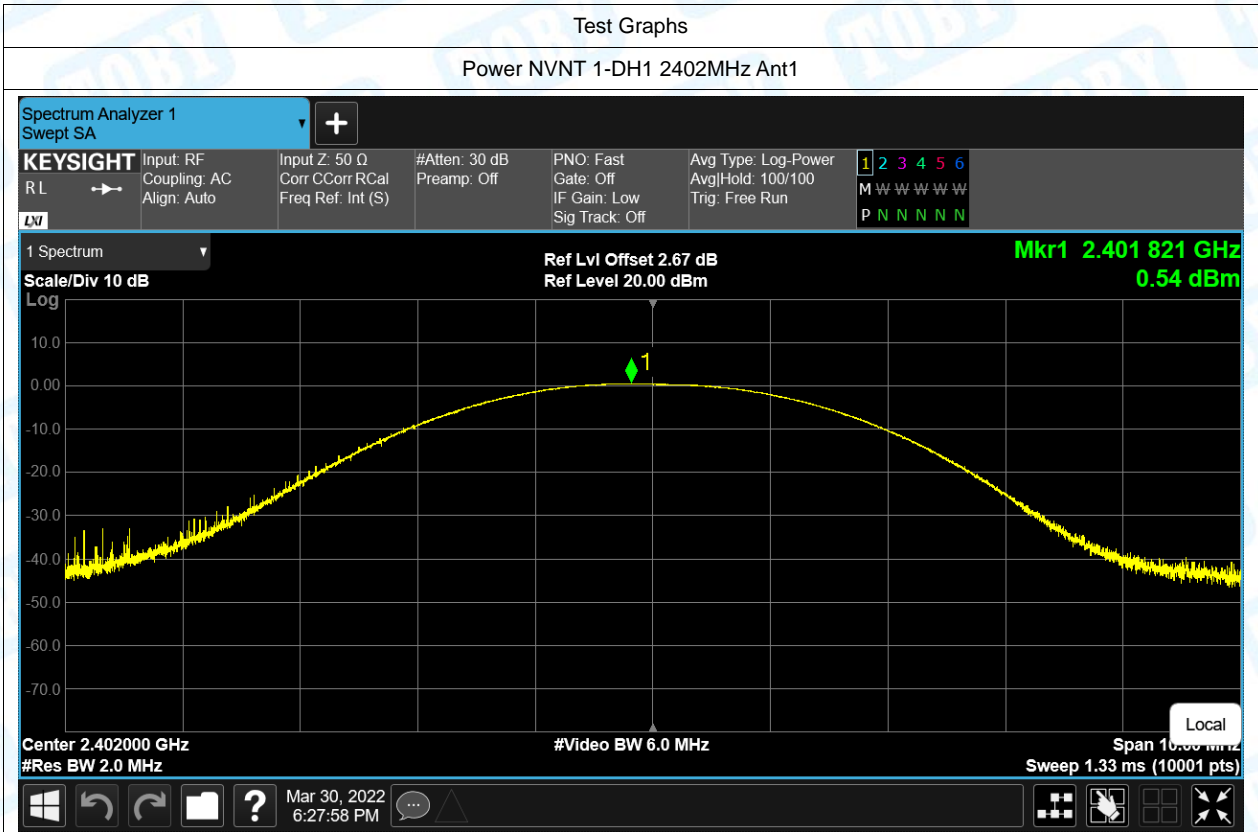


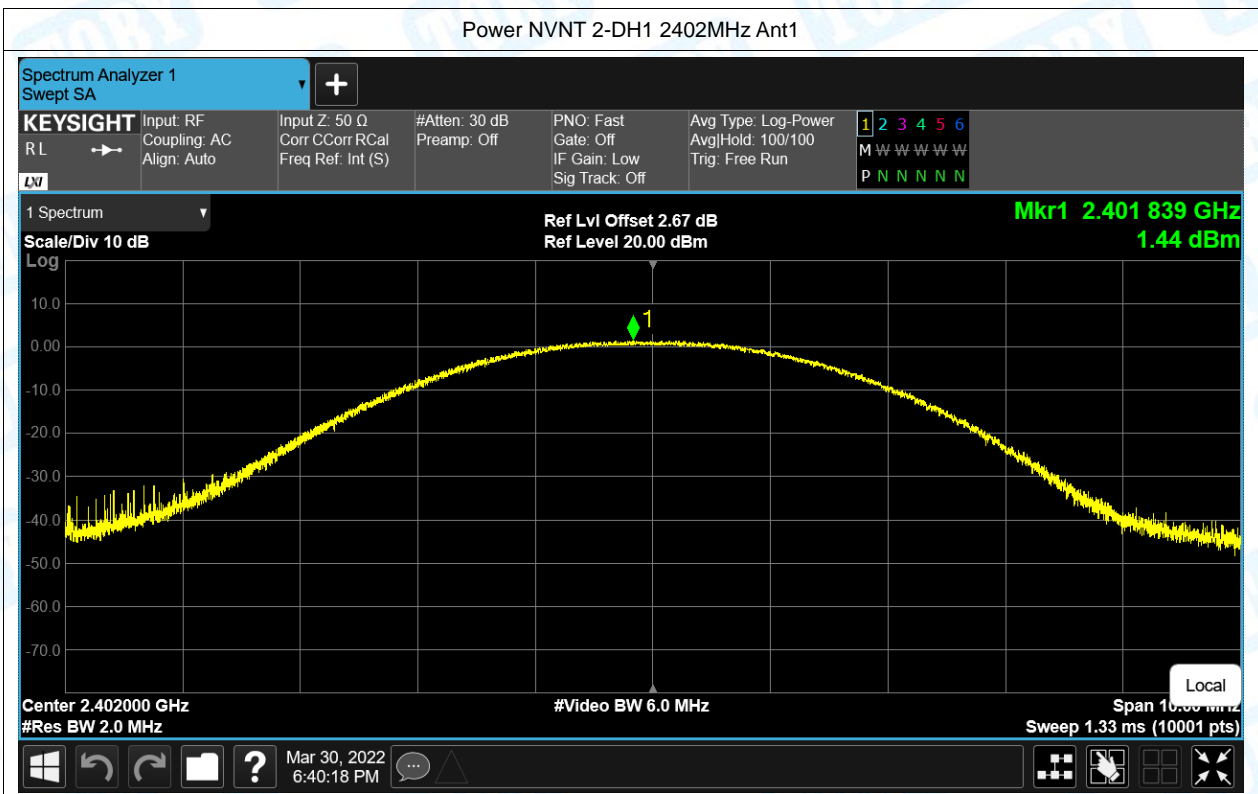
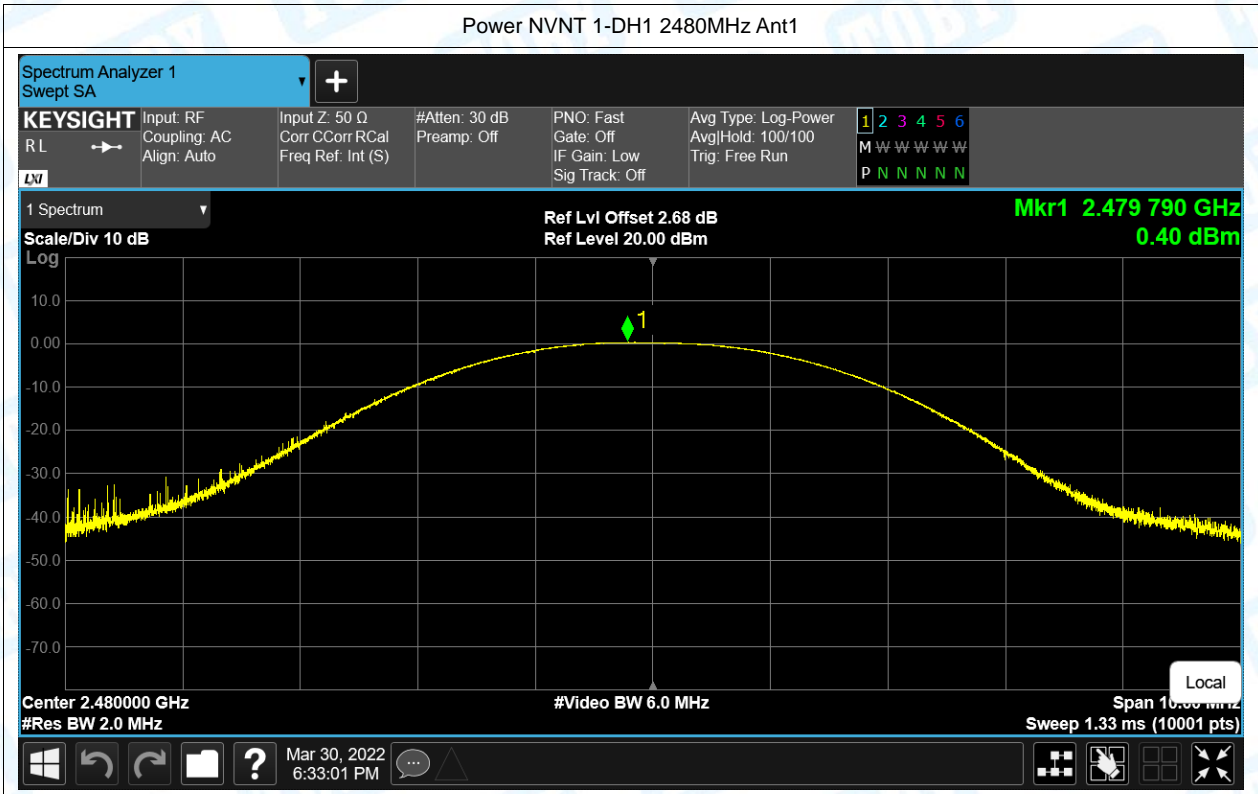
# RF Test Data for Bluetooth(BDR+EDR) (Conducted Measurements)

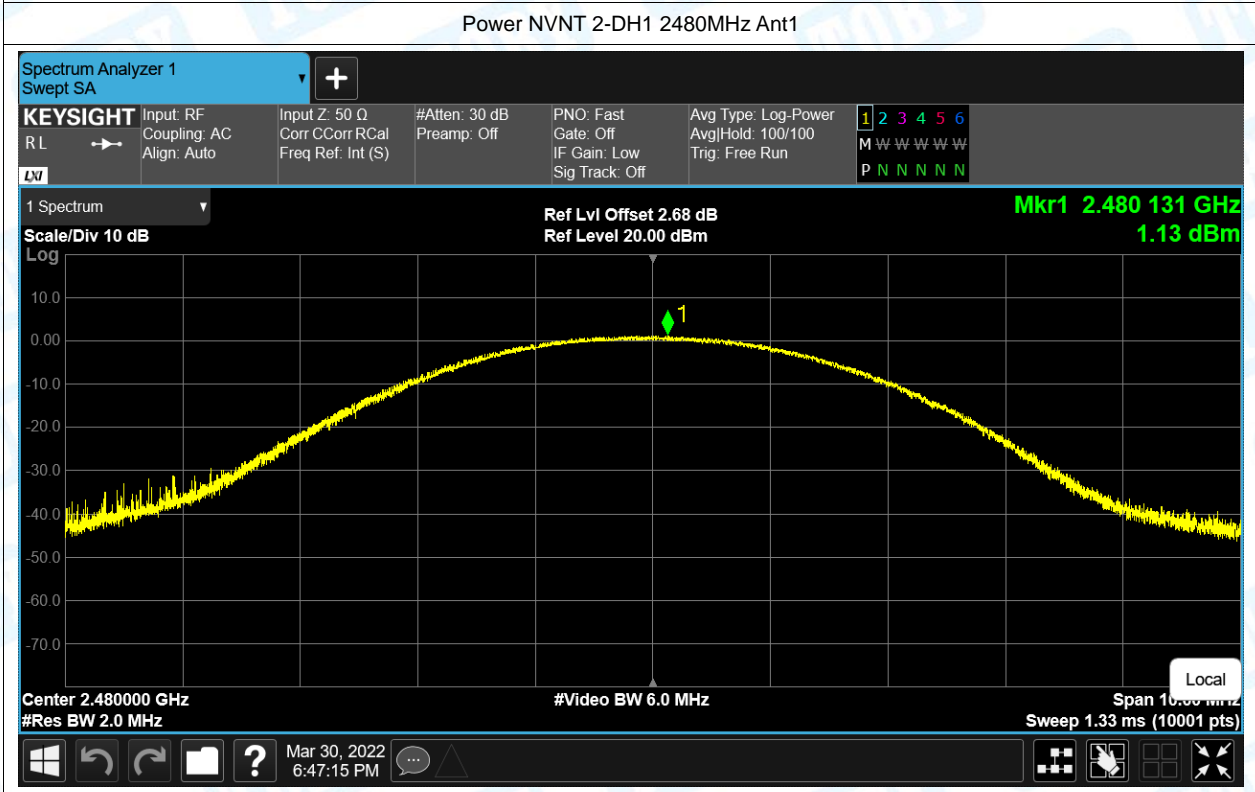
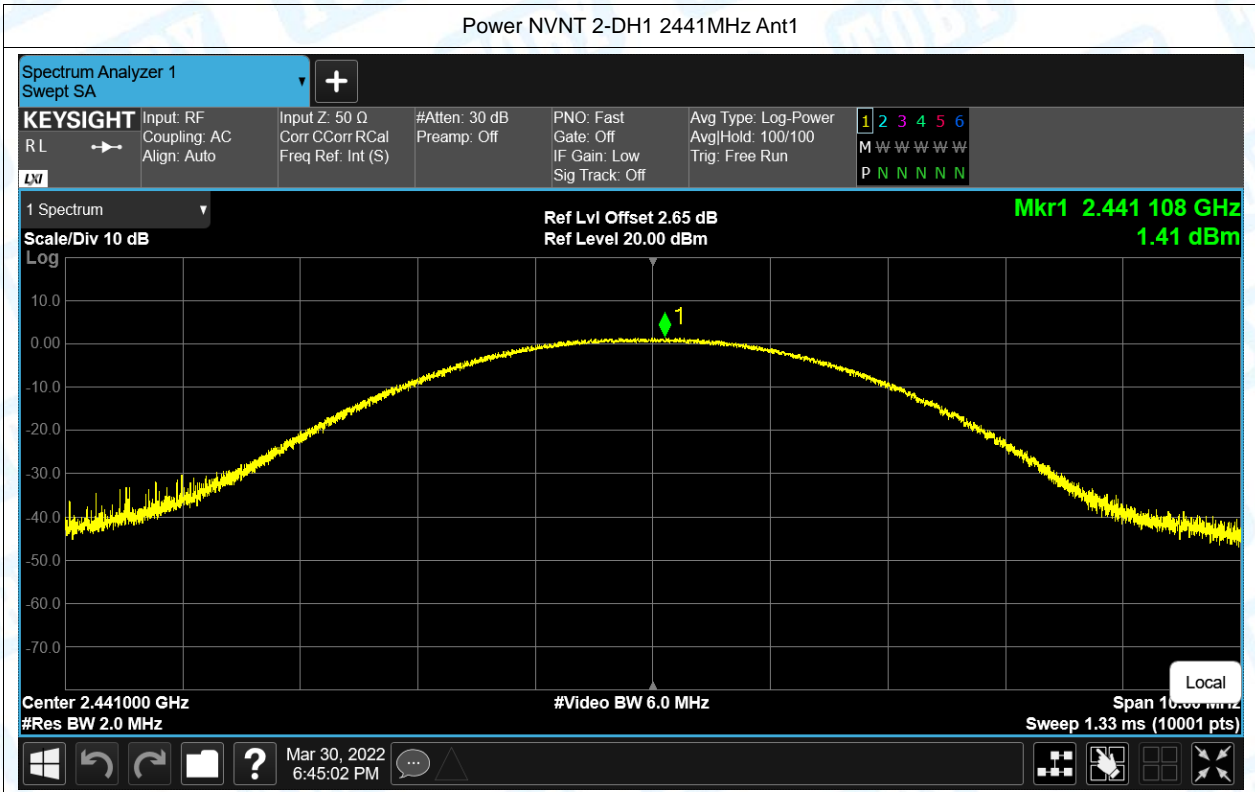
General Description of EUT	
Product Name:	S6
Test Model:	S6
Sample ID:	202203-0220-1-2#
Environmental Conditions	
Temperature:	24°C
Relative Humidity:	50%
Test Voltage:	DC3.7V
Test Engineer:	Haungjianping
Note: For a more detailed features description, please refer to the report TBR-C-202203-0220-1.	

## Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	0.540	21	Pass
NVNT	1-DH1	2441	Ant1	0.640	21	Pass
NVNT	1-DH1	2480	Ant1	0.400	21	Pass
NVNT	2-DH1	2402	Ant1	1.440	21	Pass
NVNT	2-DH1	2441	Ant1	1.410	21	Pass
NVNT	2-DH1	2480	Ant1	1.130	21	Pass





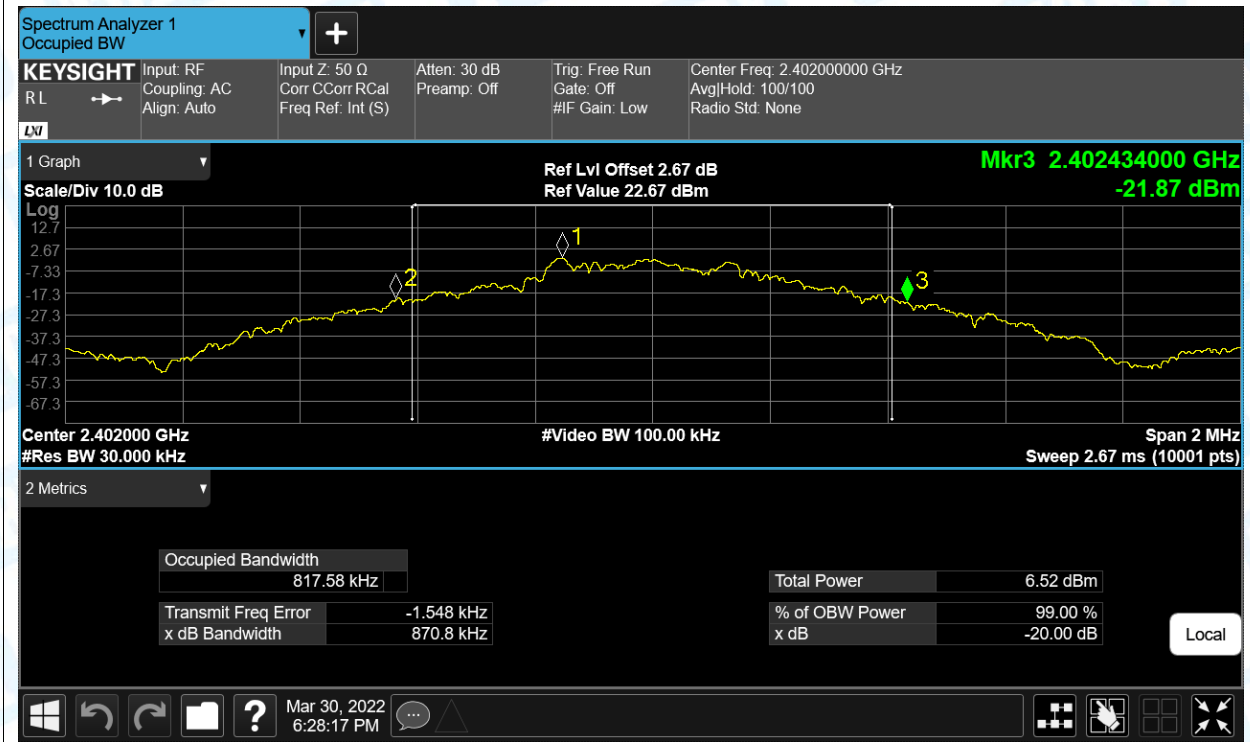


**-20dB Bandwidth**

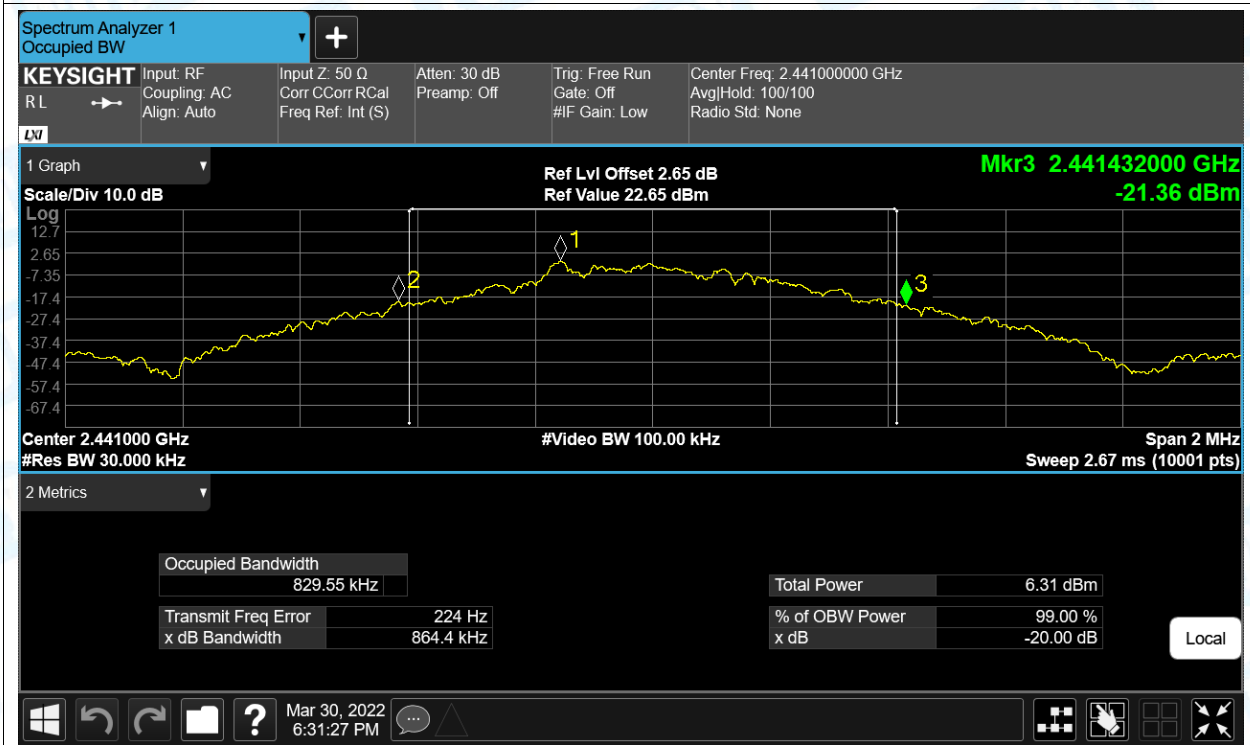
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	2/3 *20dB BW (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	0.87	0.580	Pass
NVNT	1-DH1	2441	Ant1	0.86	0.573	Pass
NVNT	1-DH1	2480	Ant1	0.87	0.580	Pass
NVNT	2-DH1	2402	Ant1	1.25	0.833	Pass
NVNT	2-DH1	2441	Ant1	1.25	0.833	Pass
NVNT	2-DH1	2480	Ant1	1.24	0.826	Pass

Test Graphs

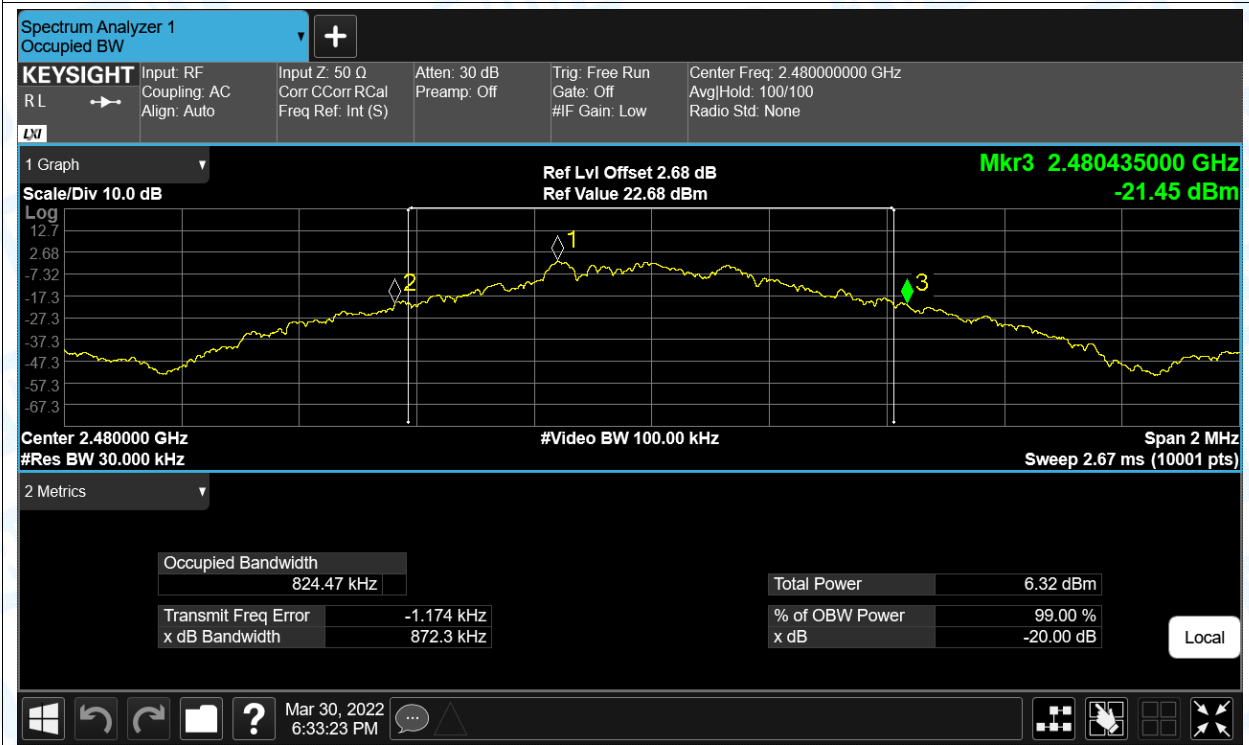
-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



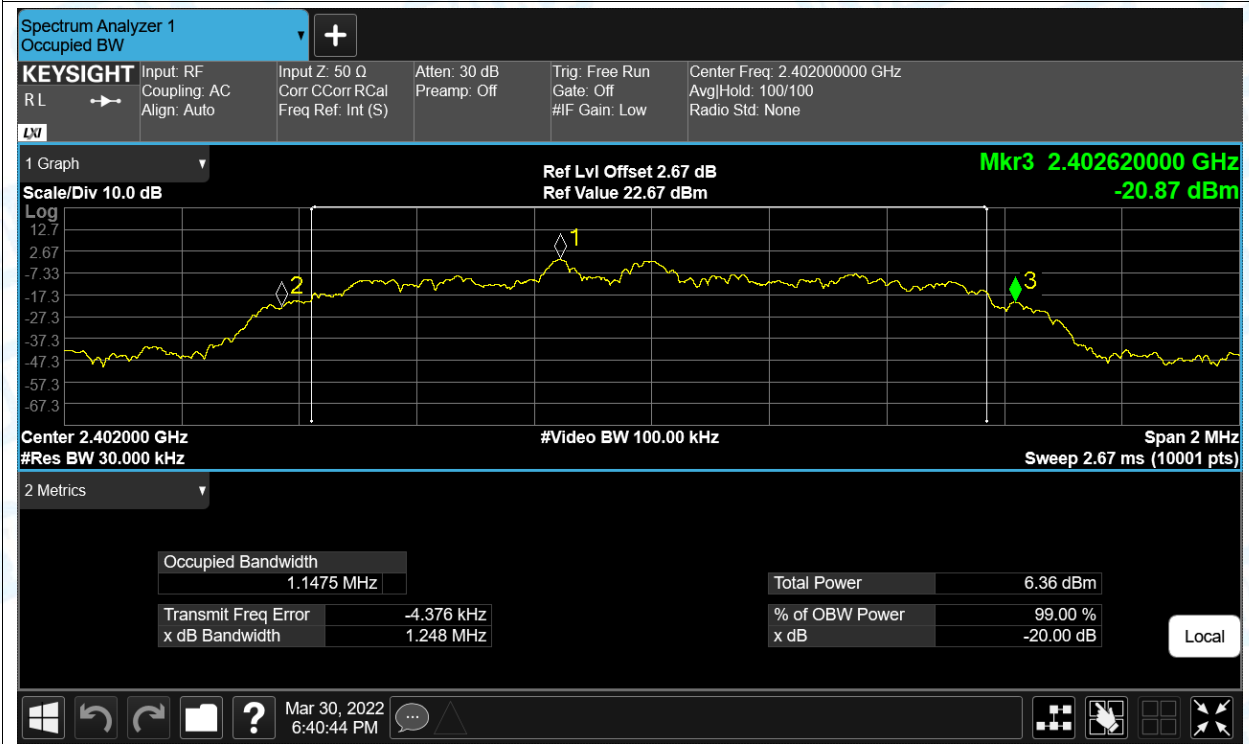
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1

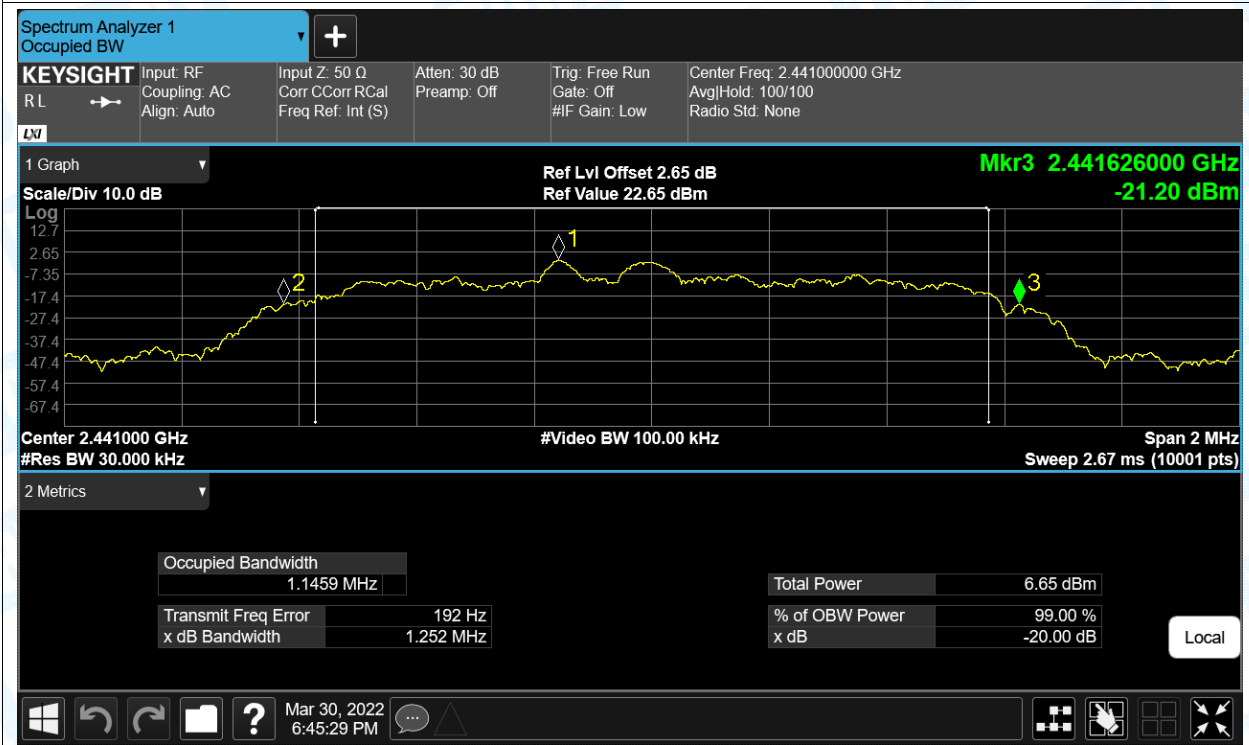


-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1

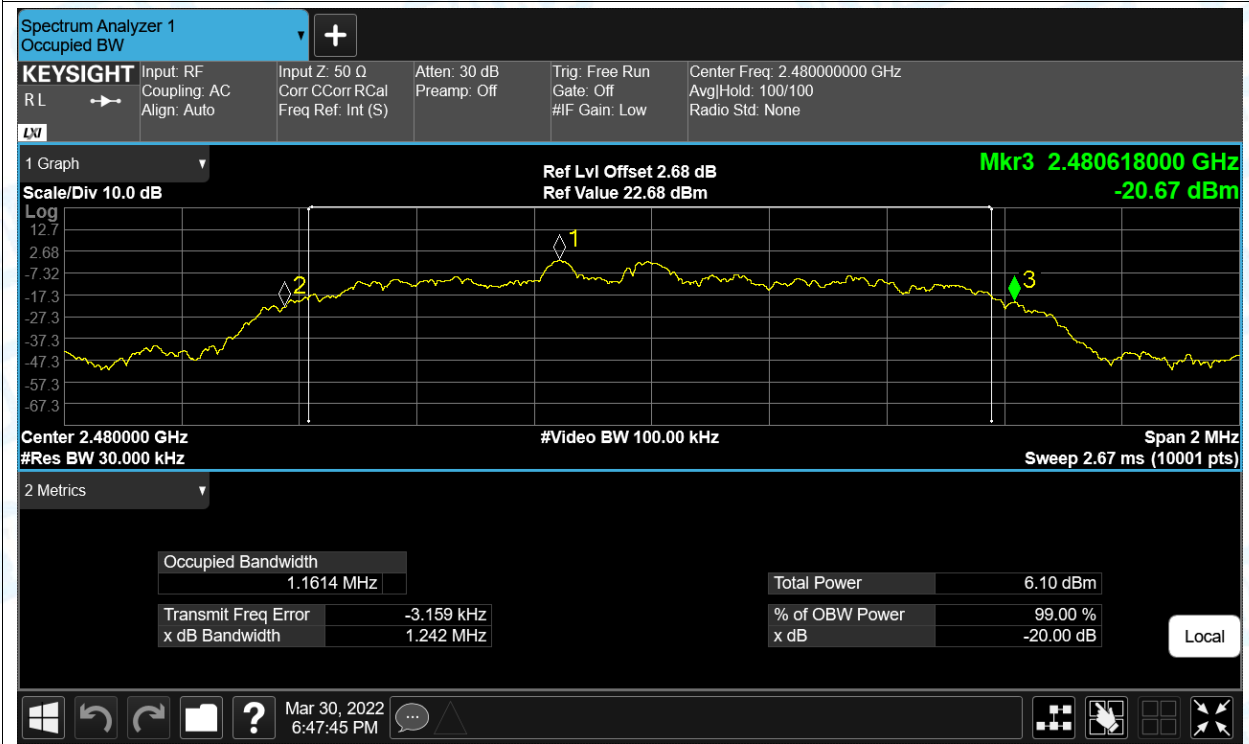




-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1

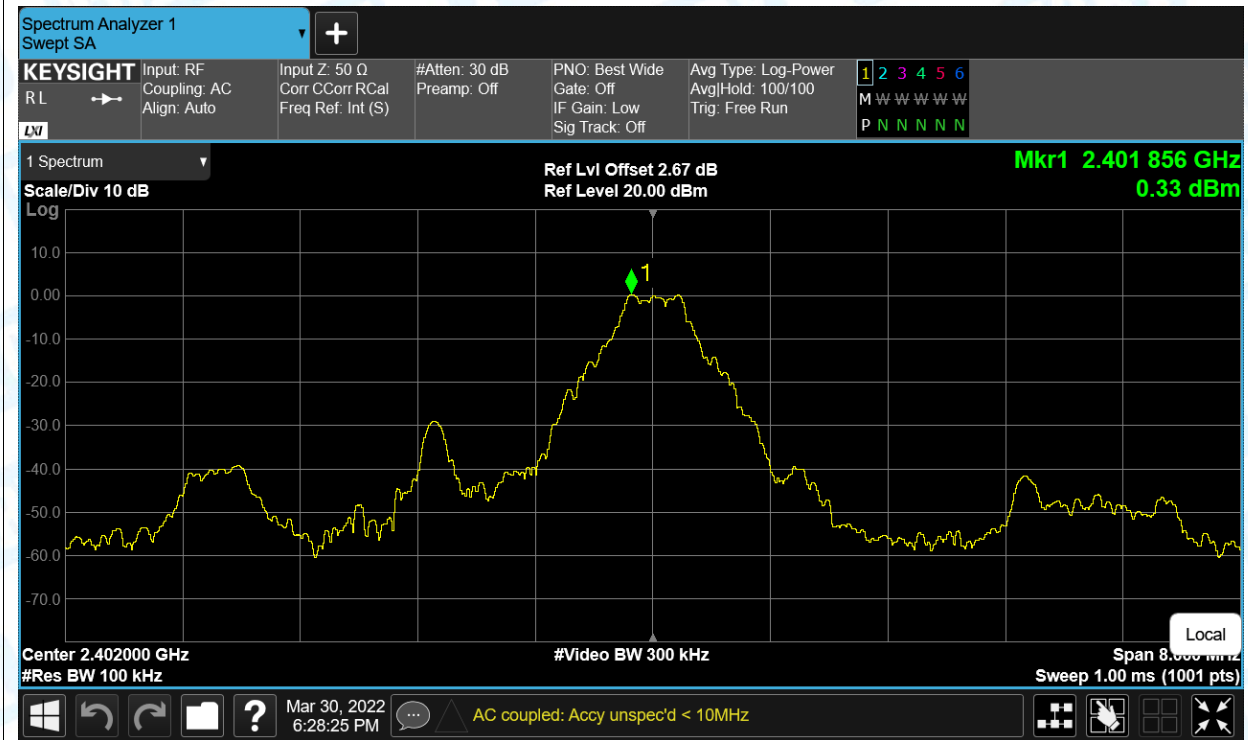


## Band Edge

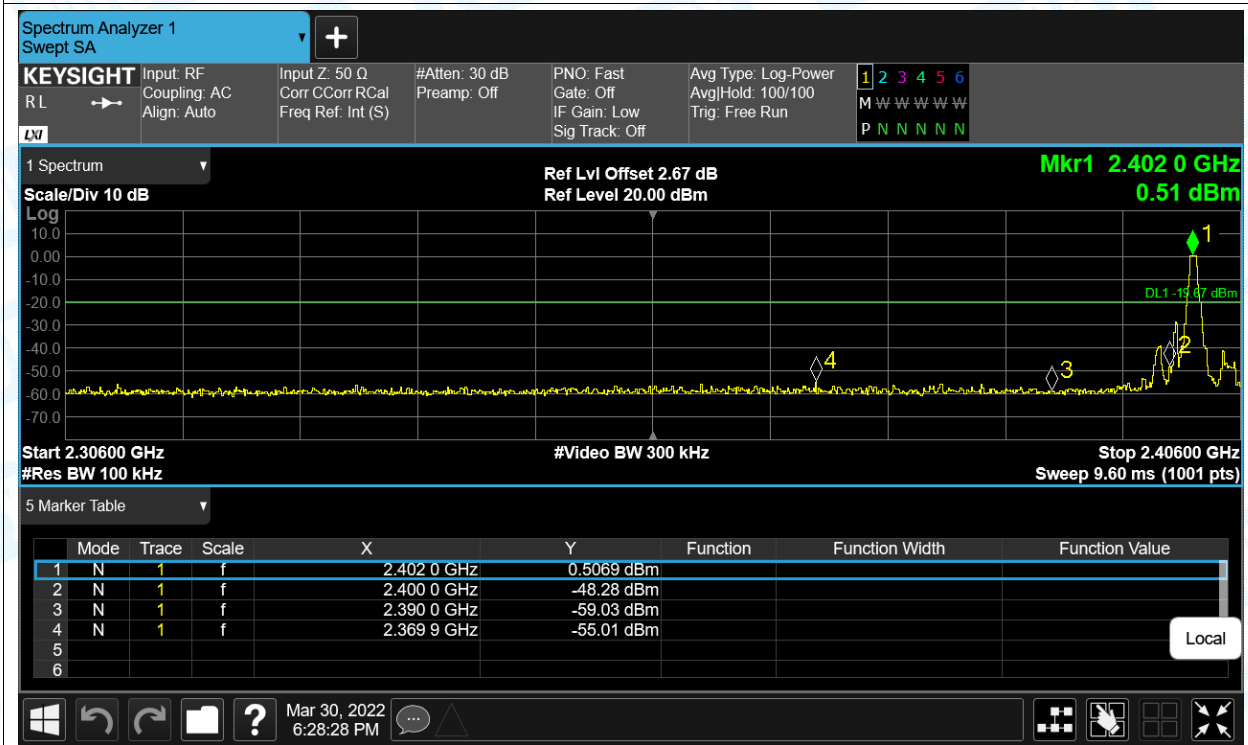
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-55.34	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-43.14	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-54.5	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-44.63	-20	Pass

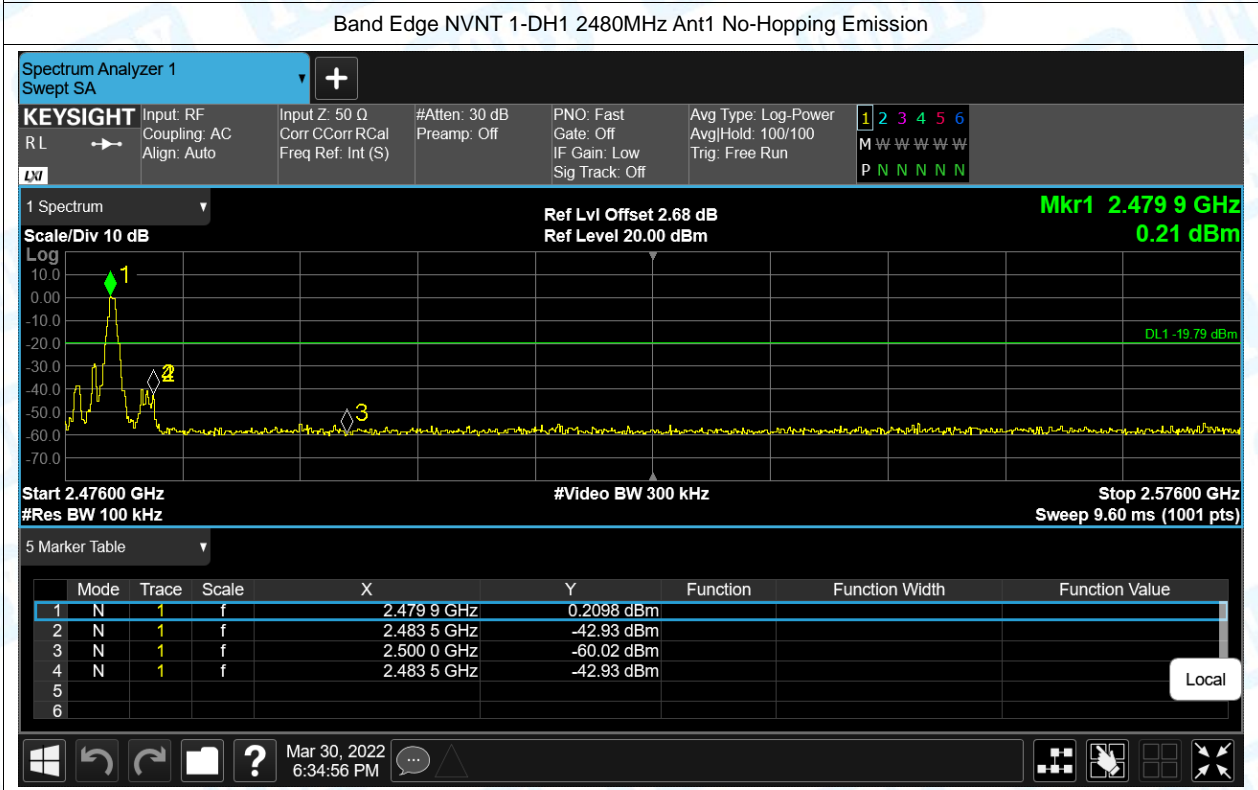
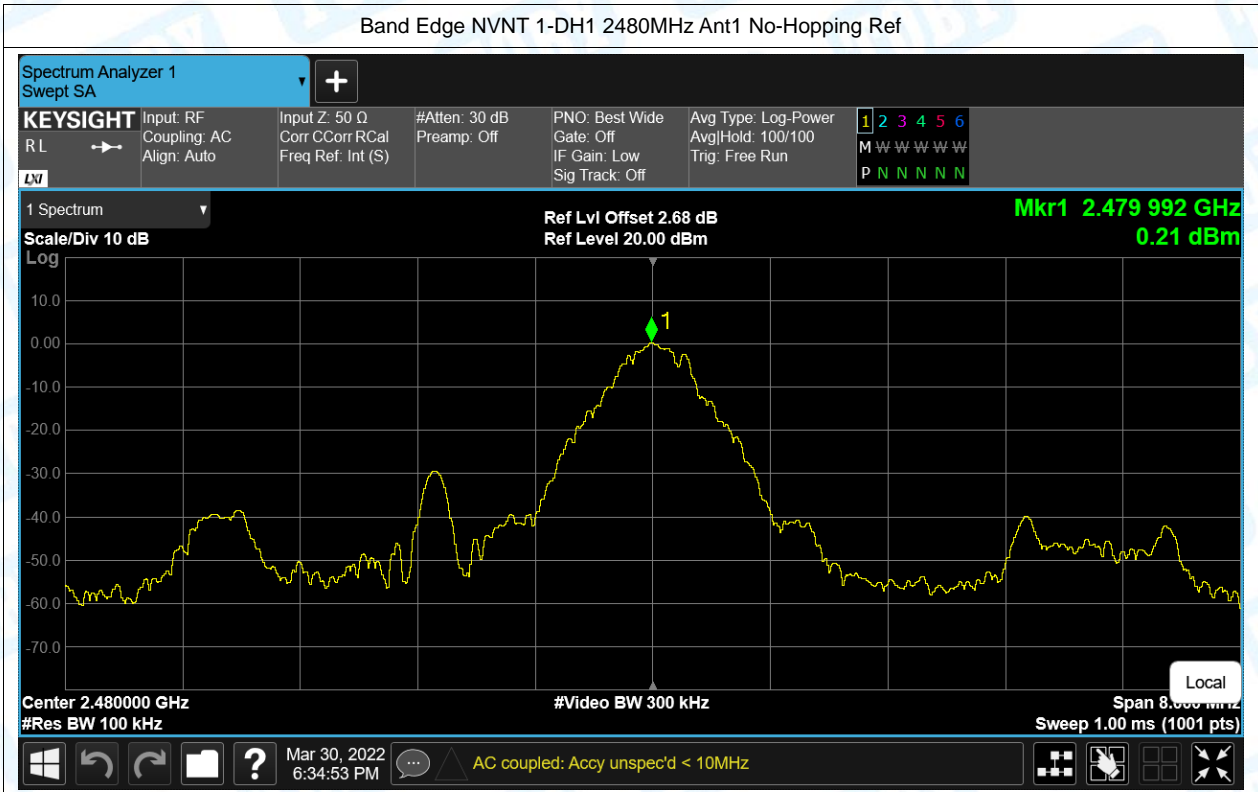
### Test Graphs

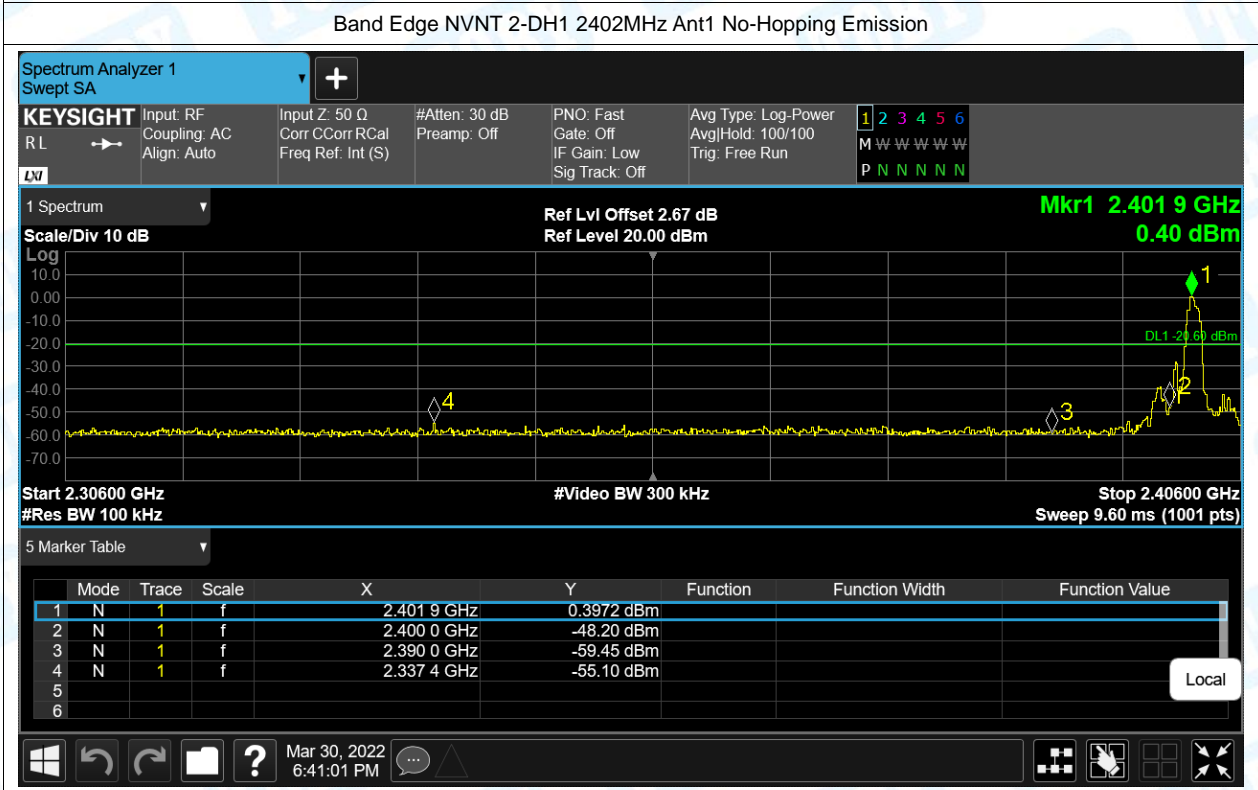
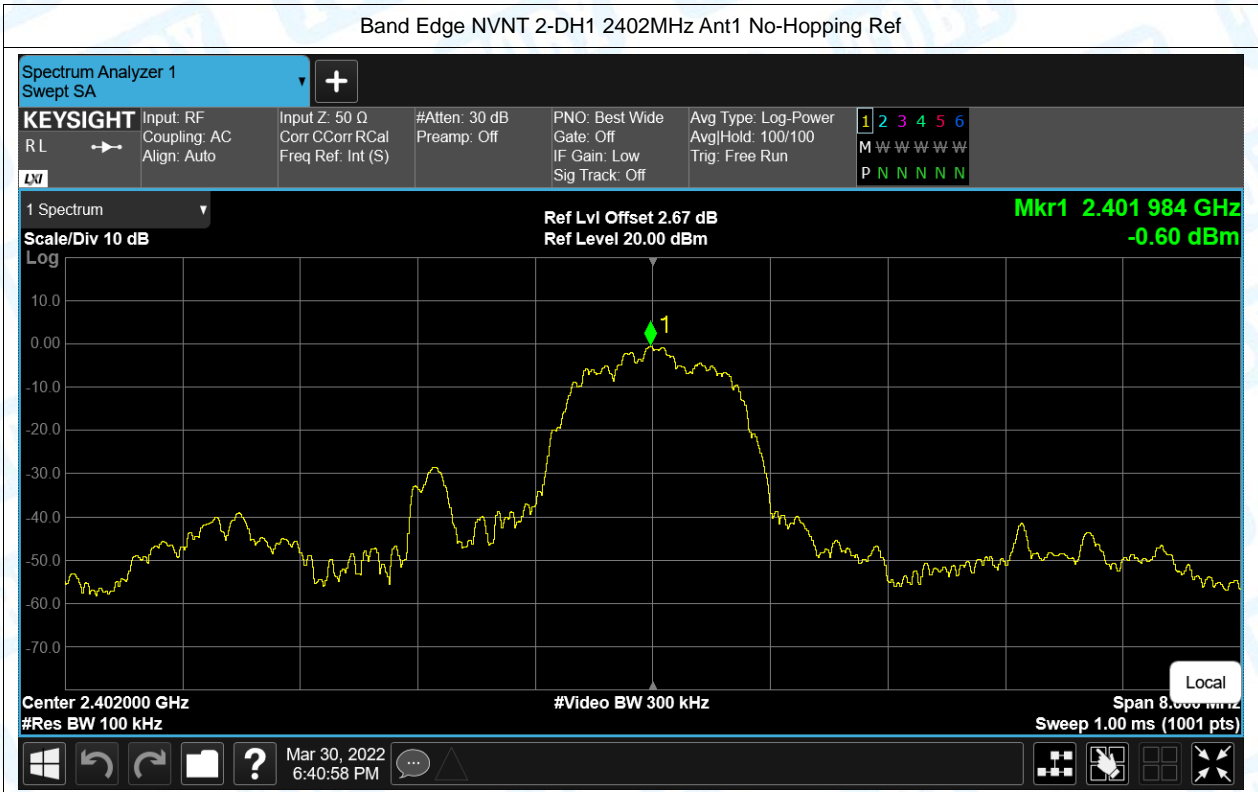
#### Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref

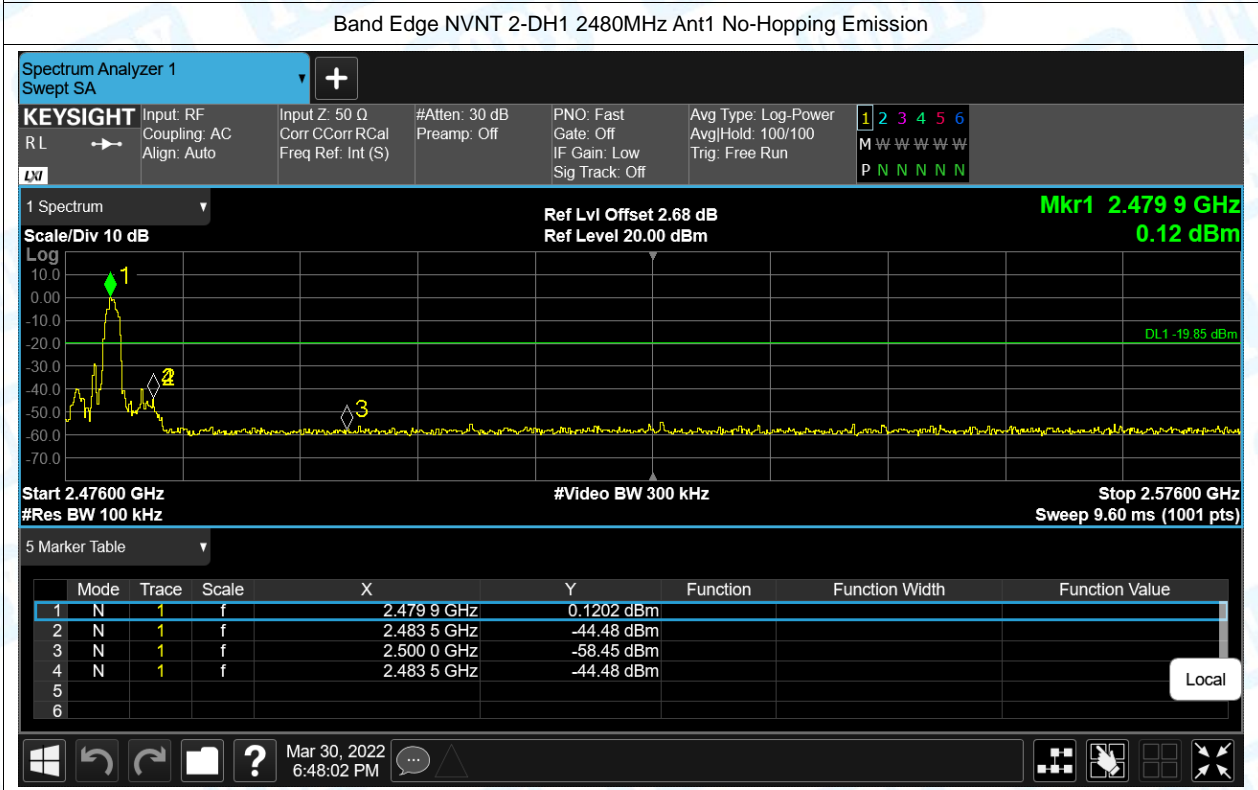
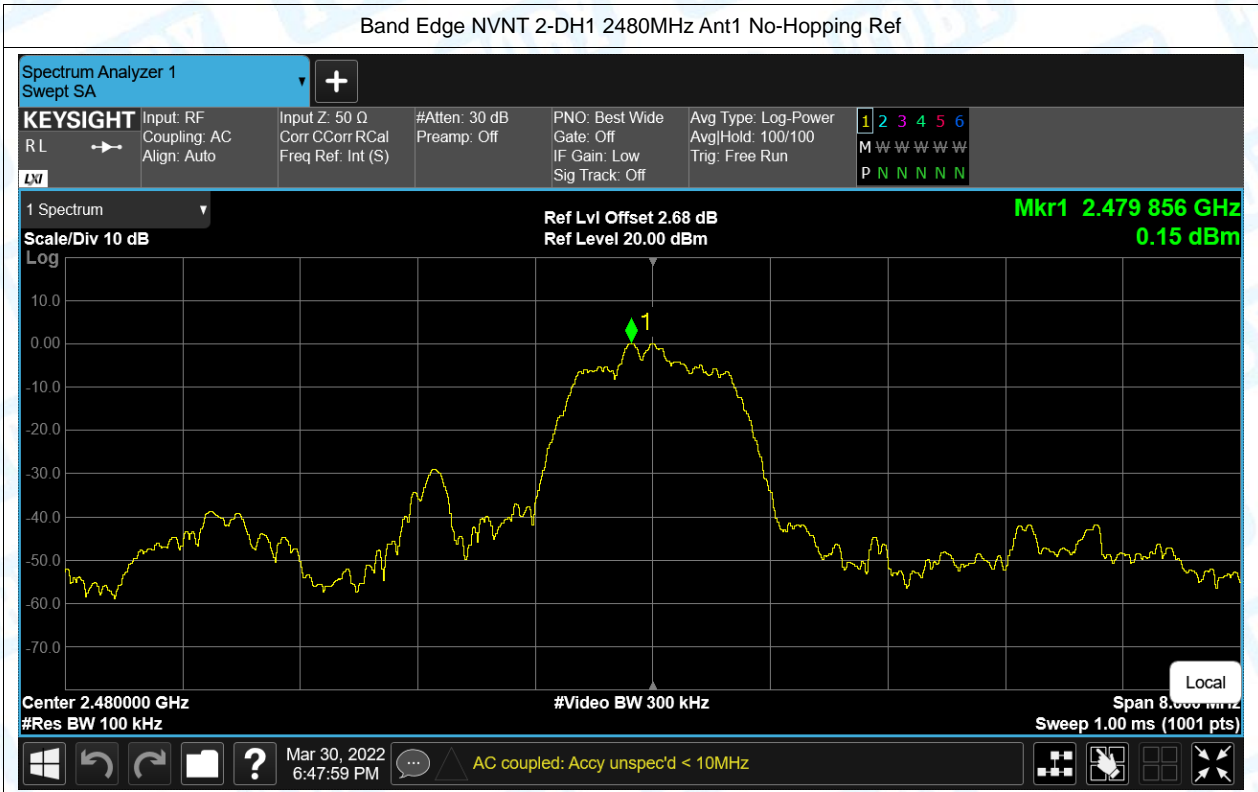


#### Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission







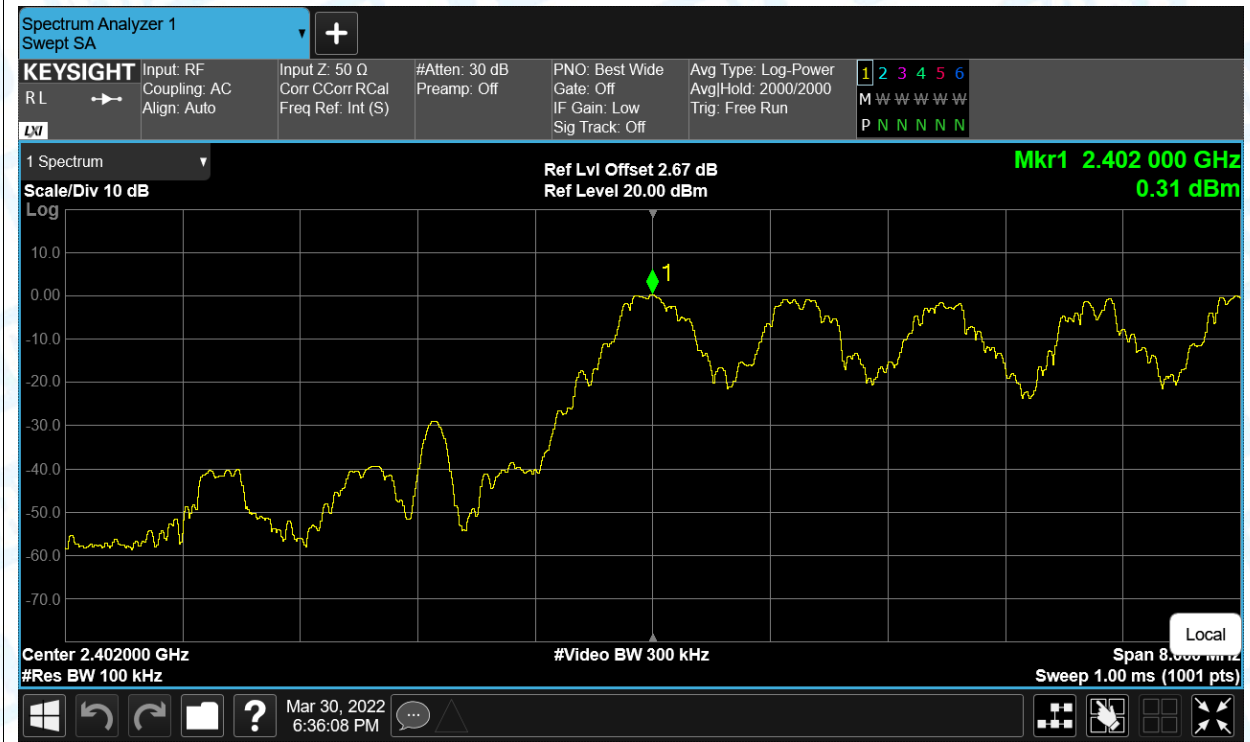


## Band Edge(Hopping)

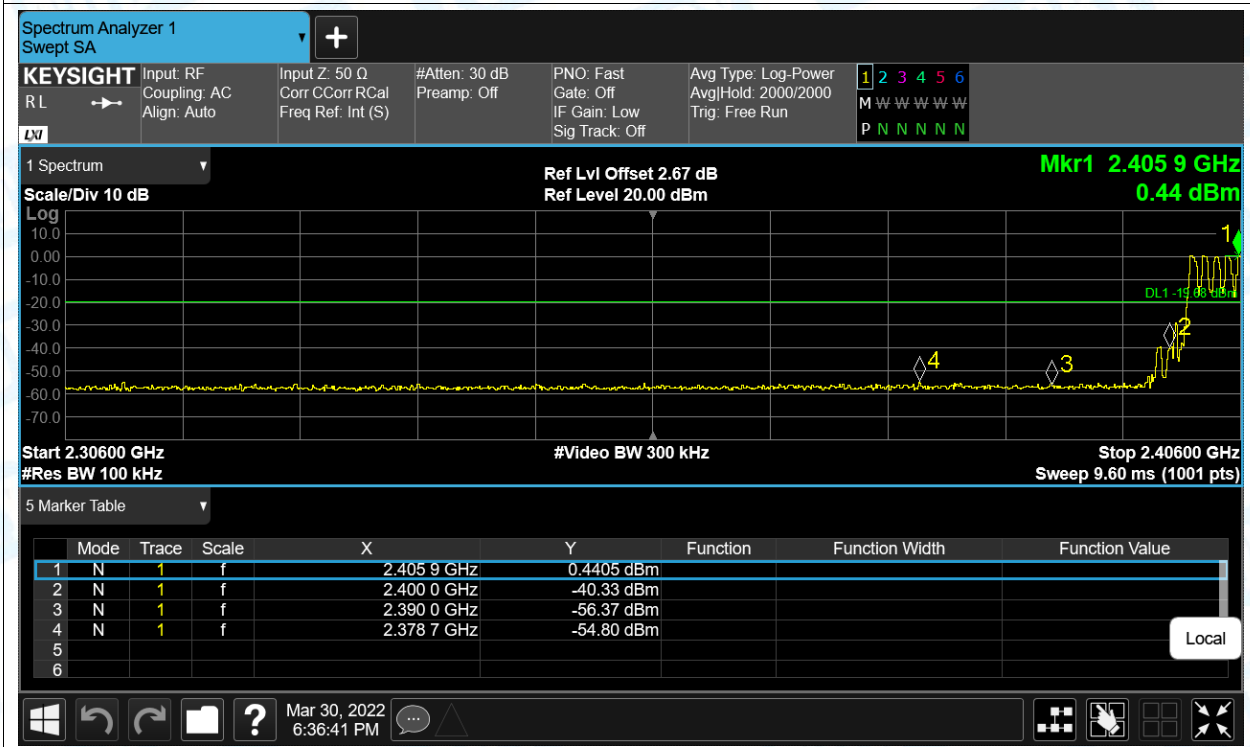
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-55.11	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-45.89	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-53.87	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-46.36	-20	Pass

### Test Graphs

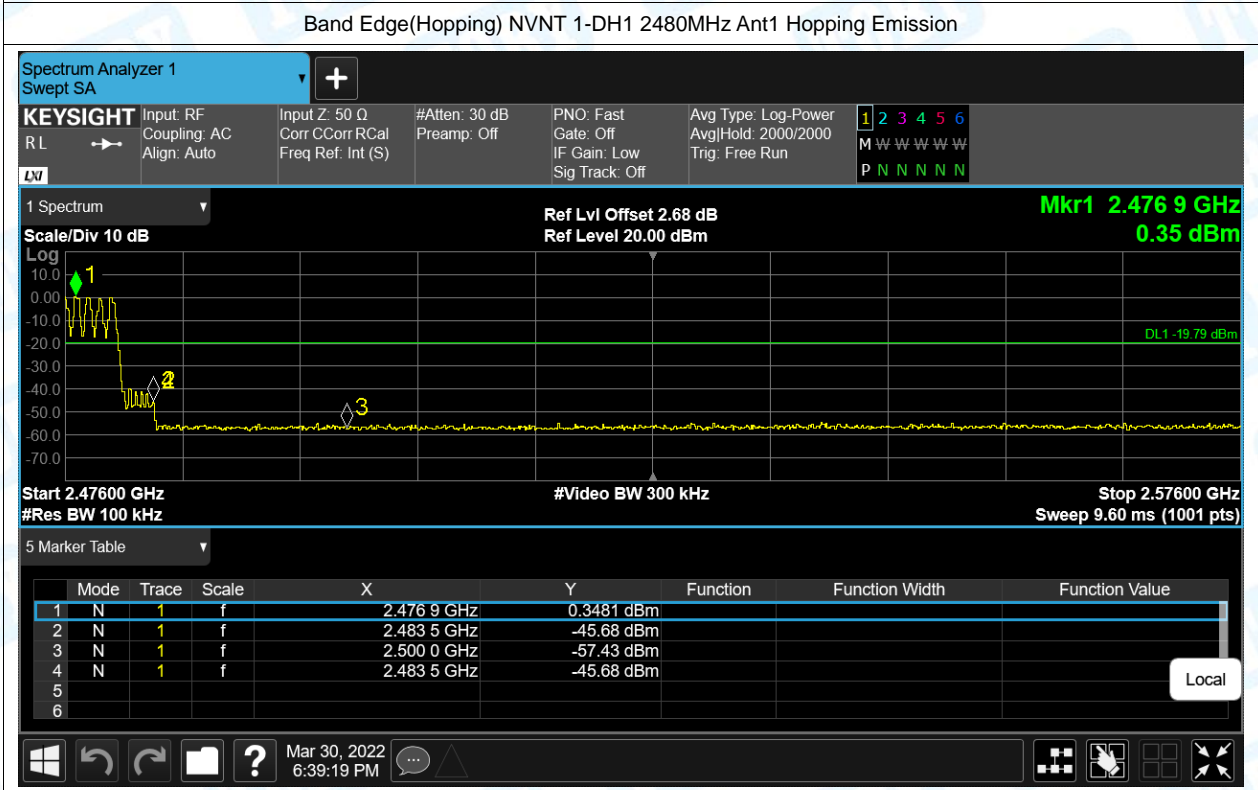
#### Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Ref

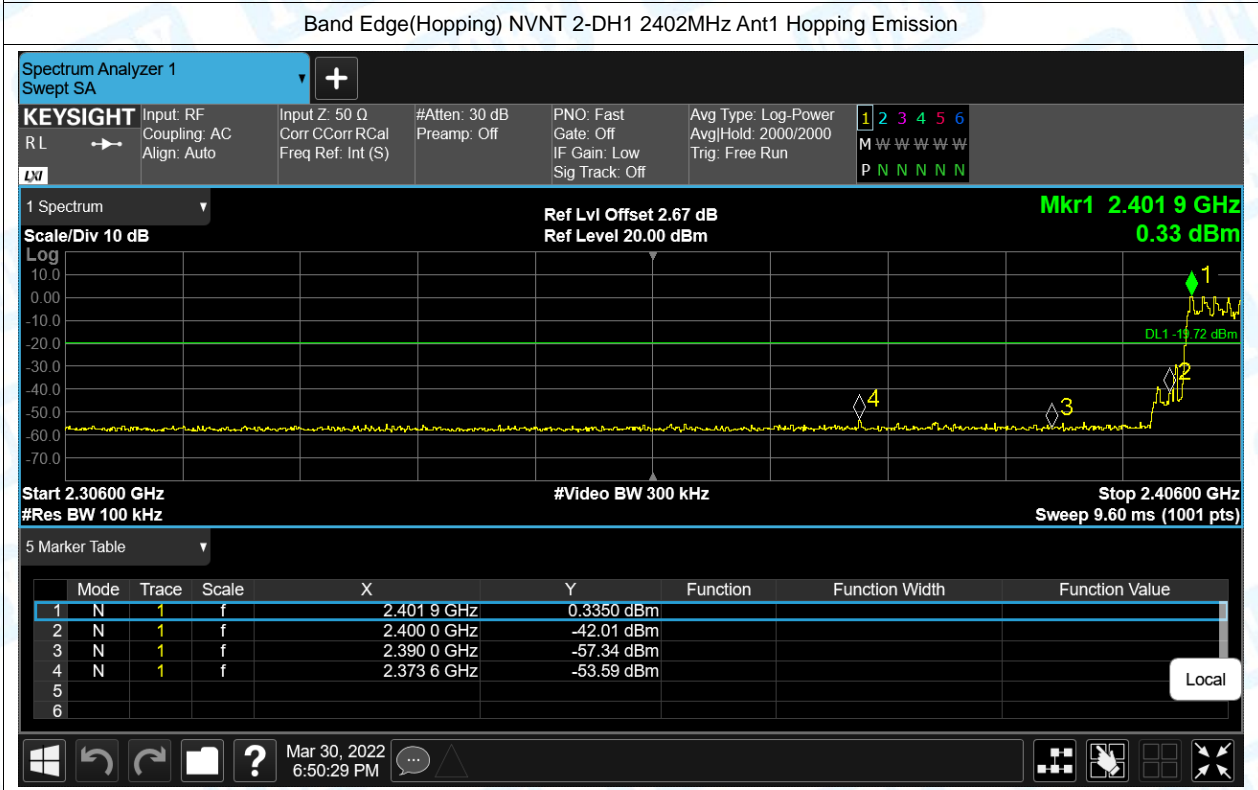
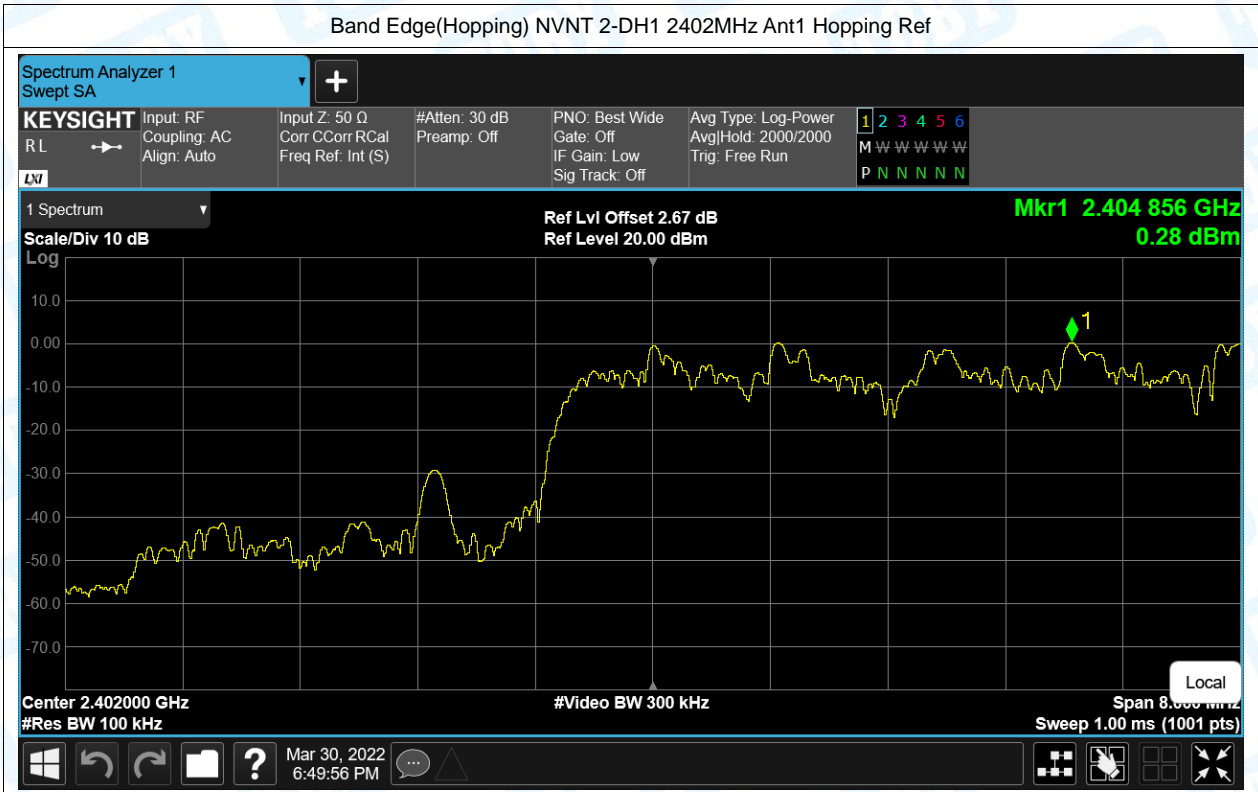


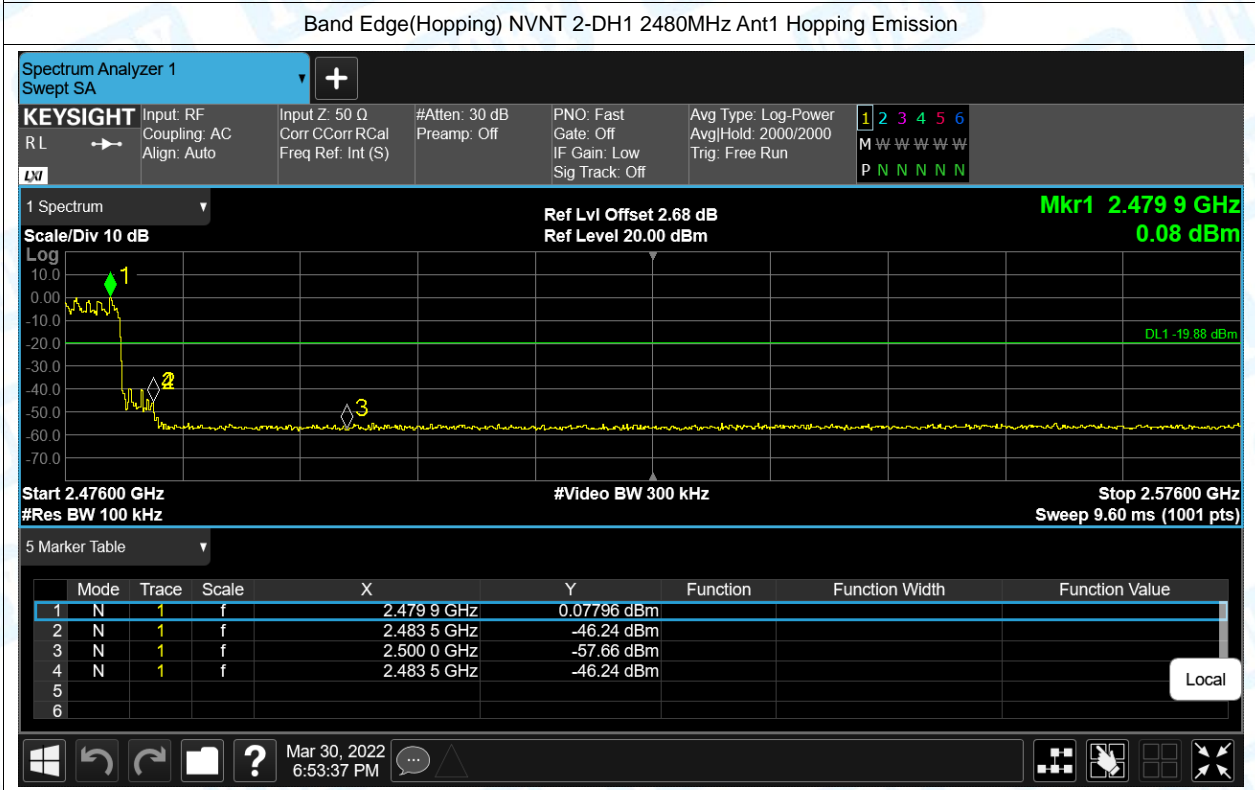
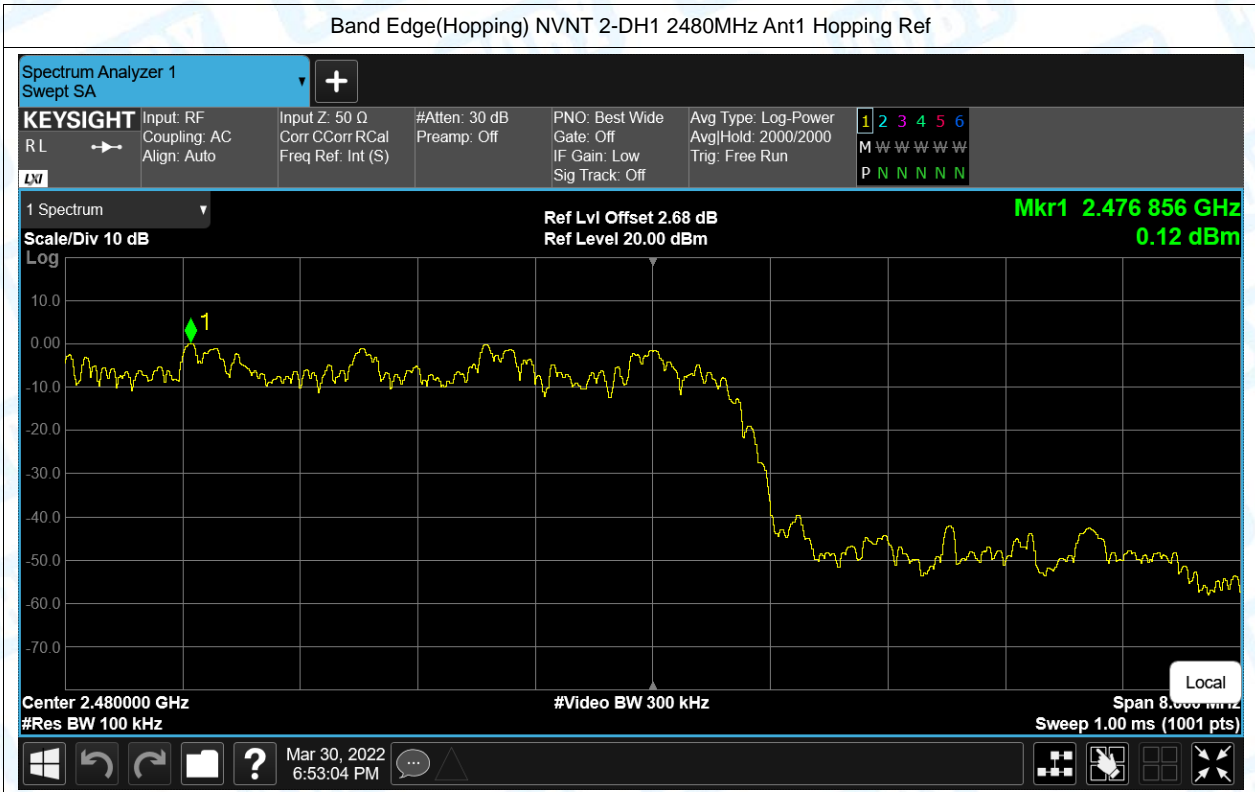
#### Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission









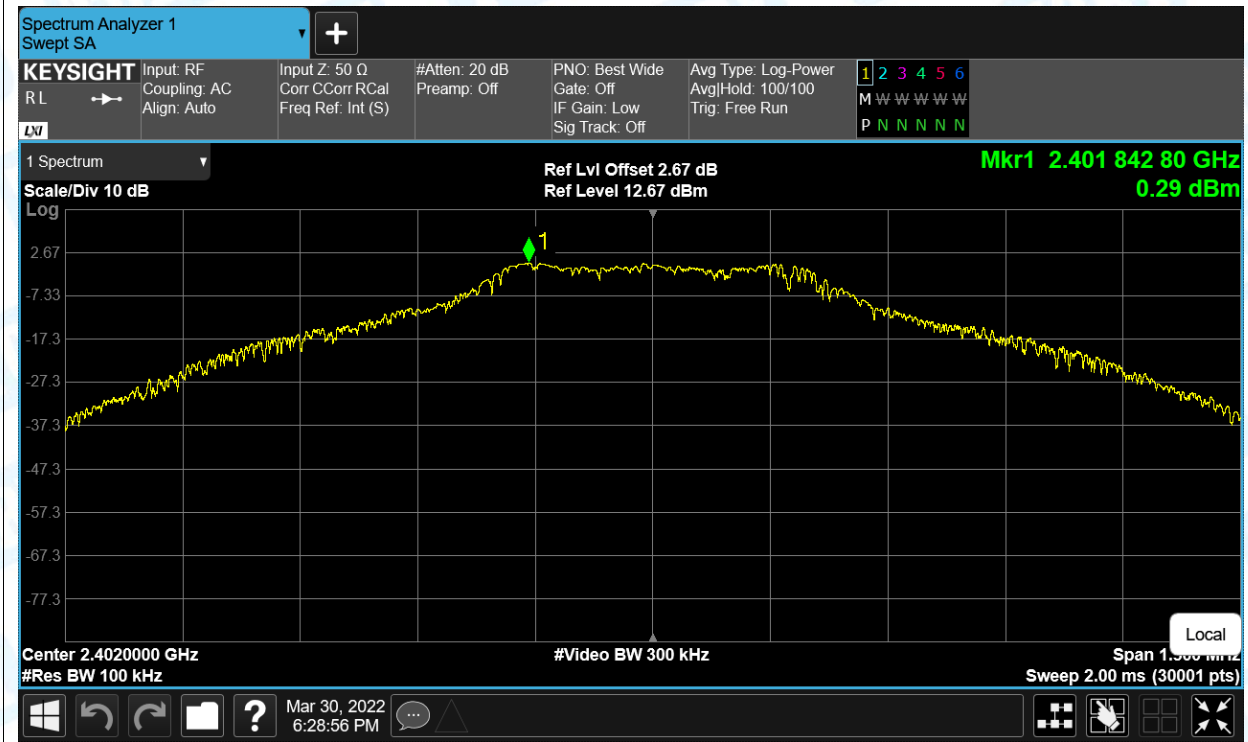


## Conducted RF Spurious Emission

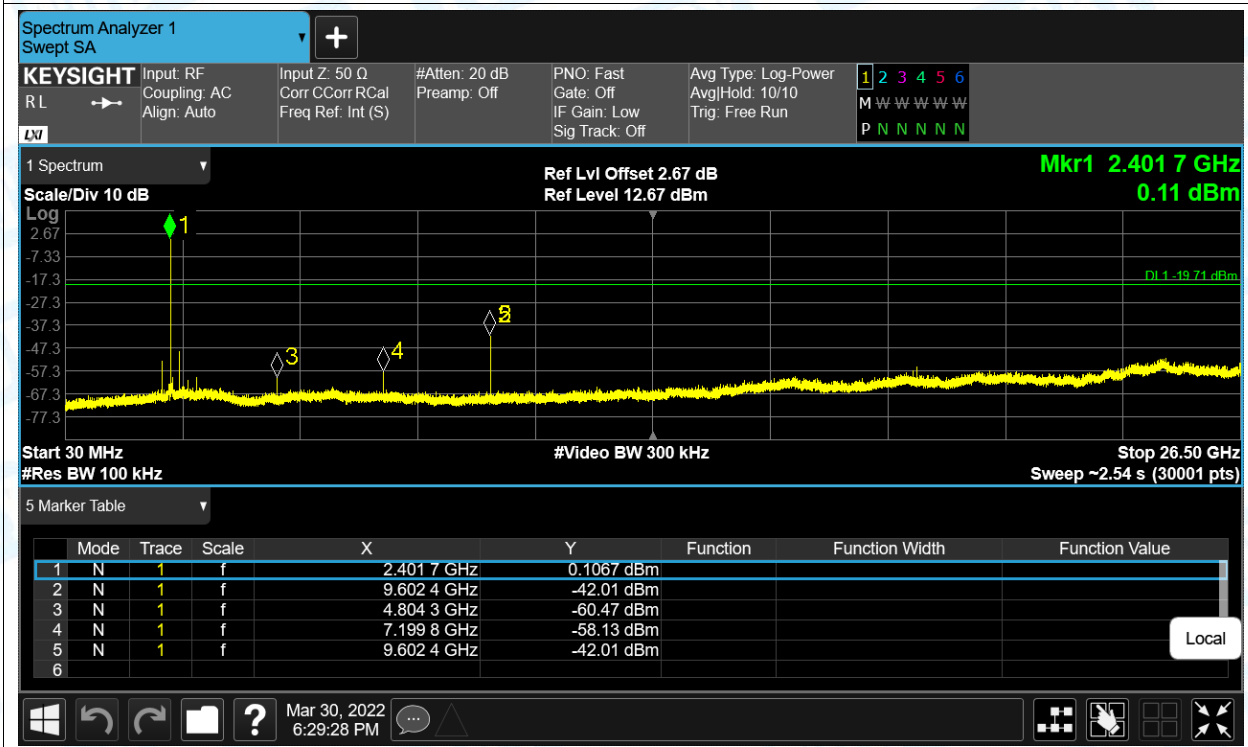
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-42.3	-20	Pass
NVNT	1-DH1	2441	Ant1	-44.3	-20	Pass
NVNT	1-DH1	2480	Ant1	-47.89	-20	Pass
NVNT	2-DH1	2402	Ant1	-42.28	-20	Pass
NVNT	2-DH1	2441	Ant1	-44.74	-20	Pass
NVNT	2-DH1	2480	Ant1	-47.8	-20	Pass

### Test Graphs

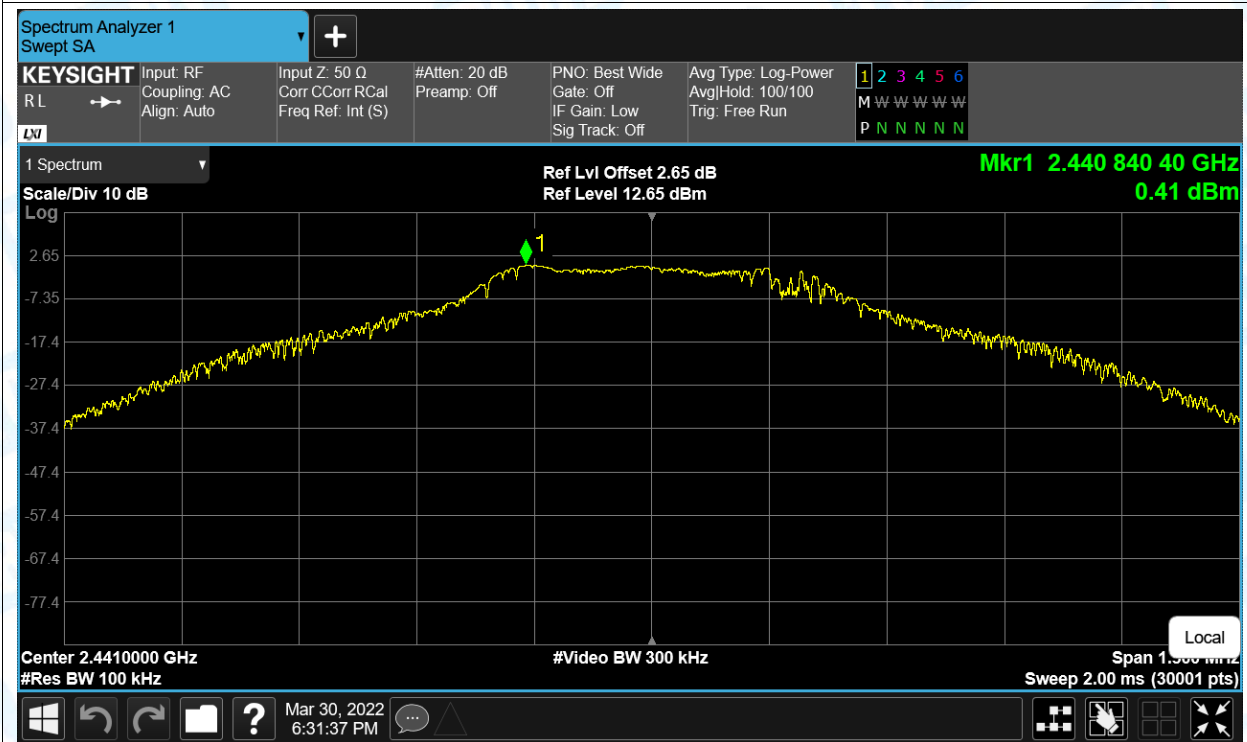
#### Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



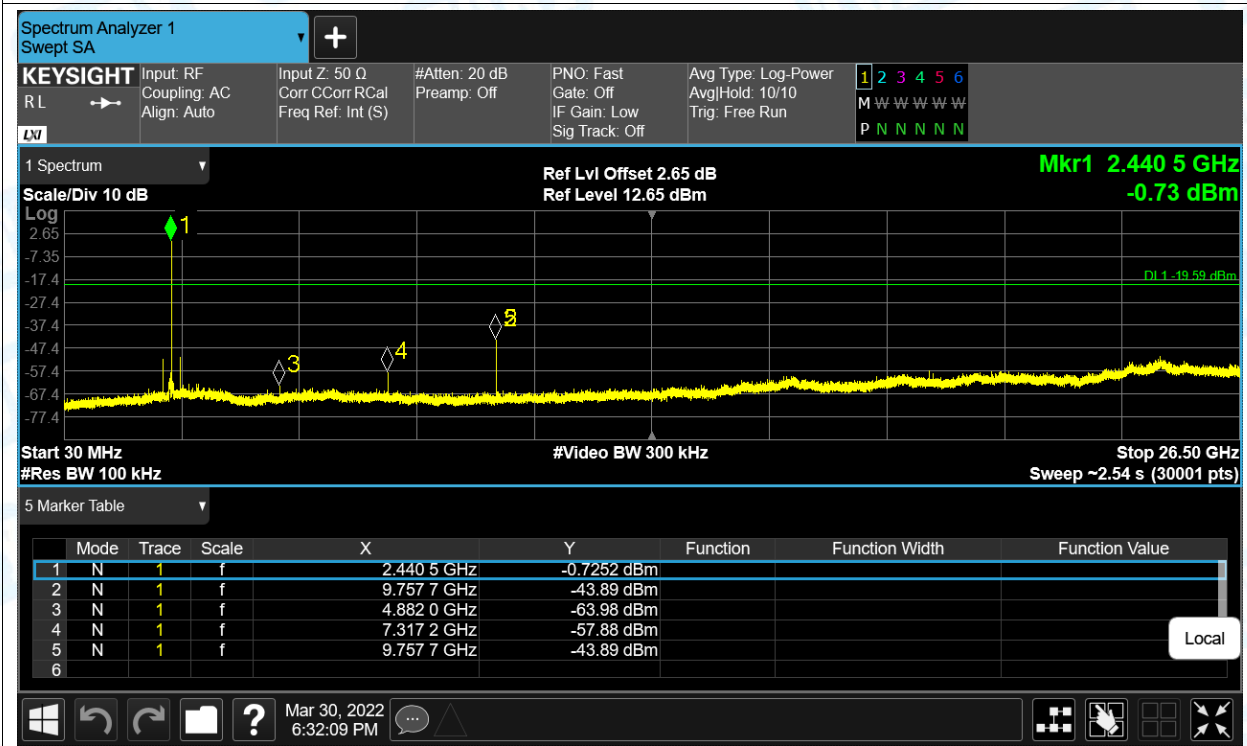
#### Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission



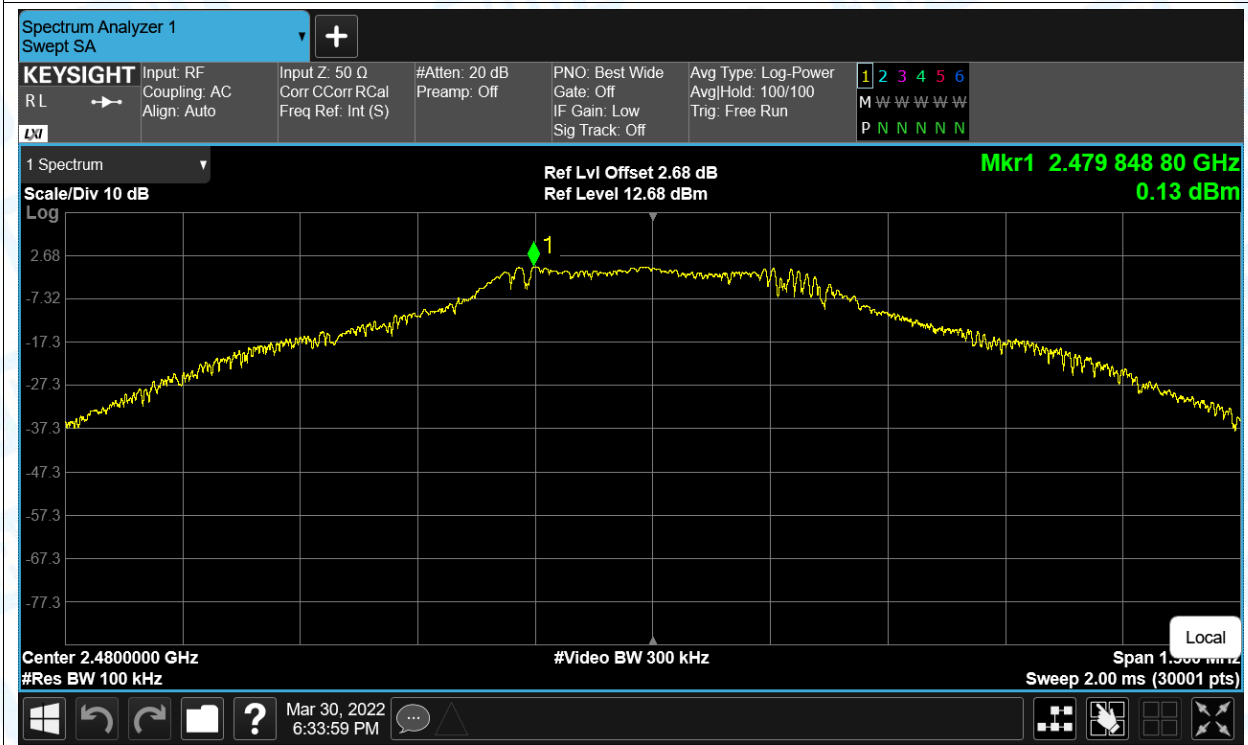
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



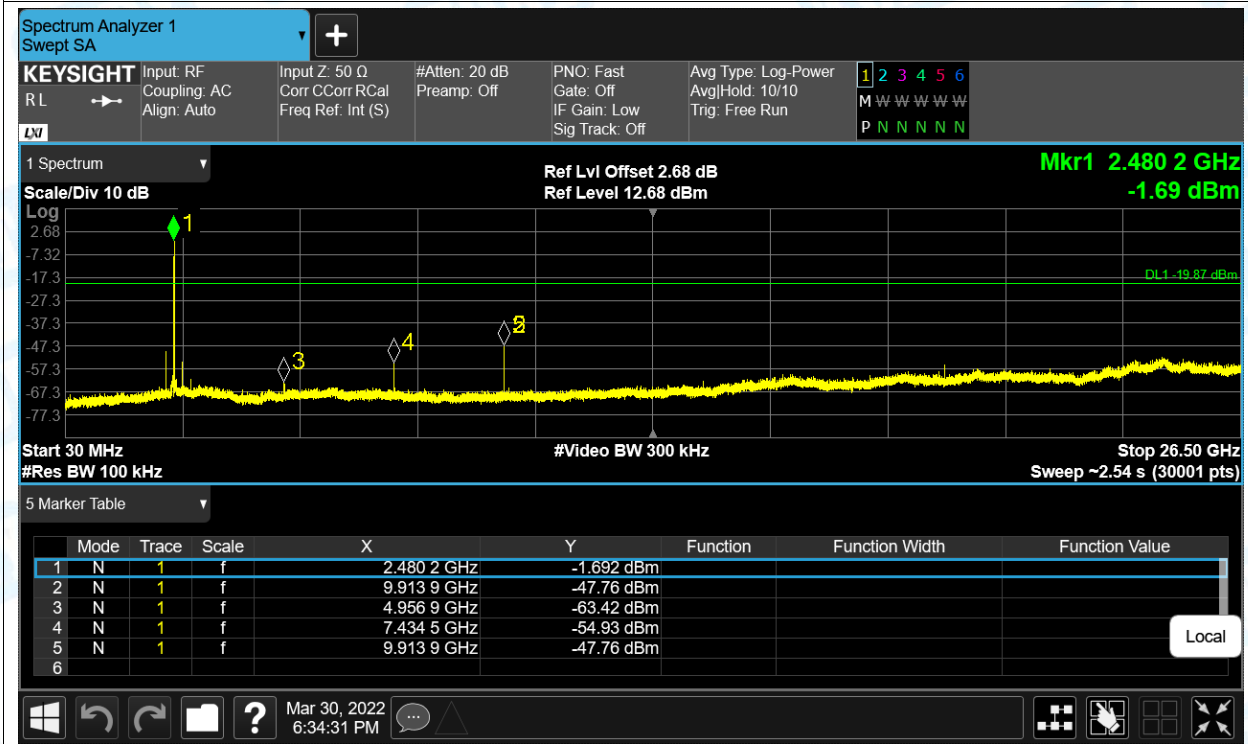
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



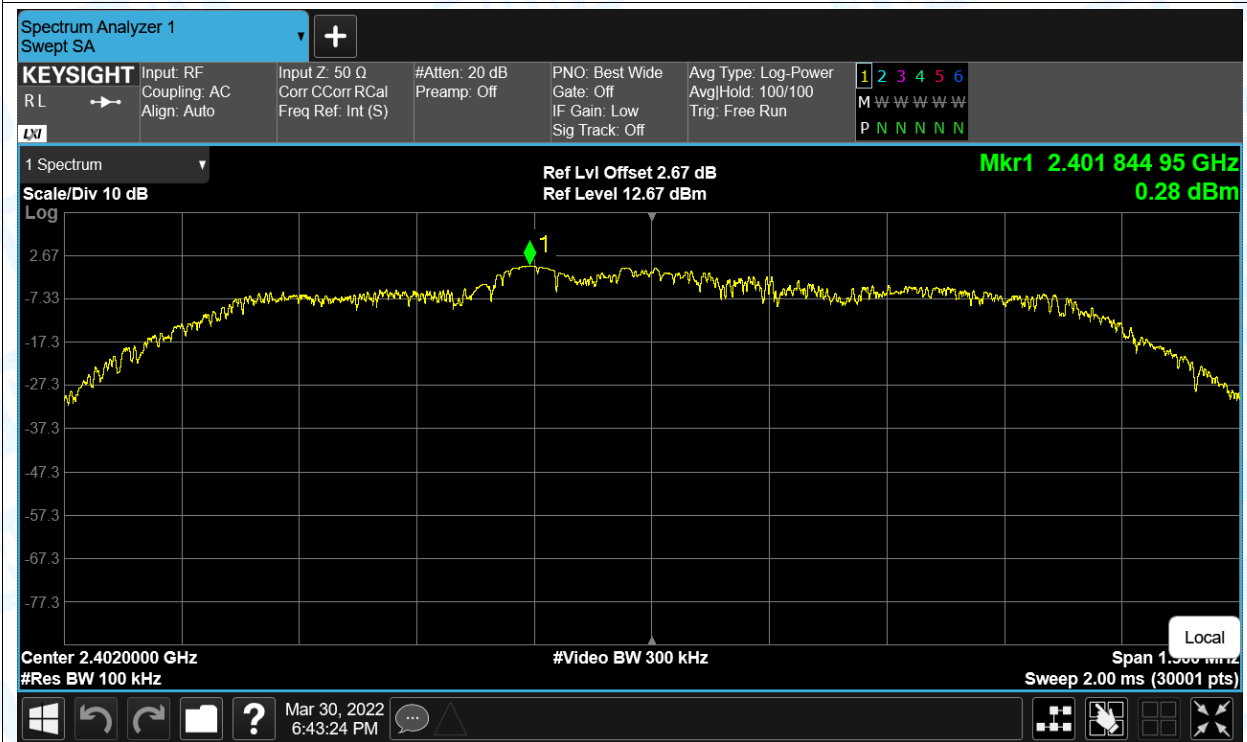
### Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref



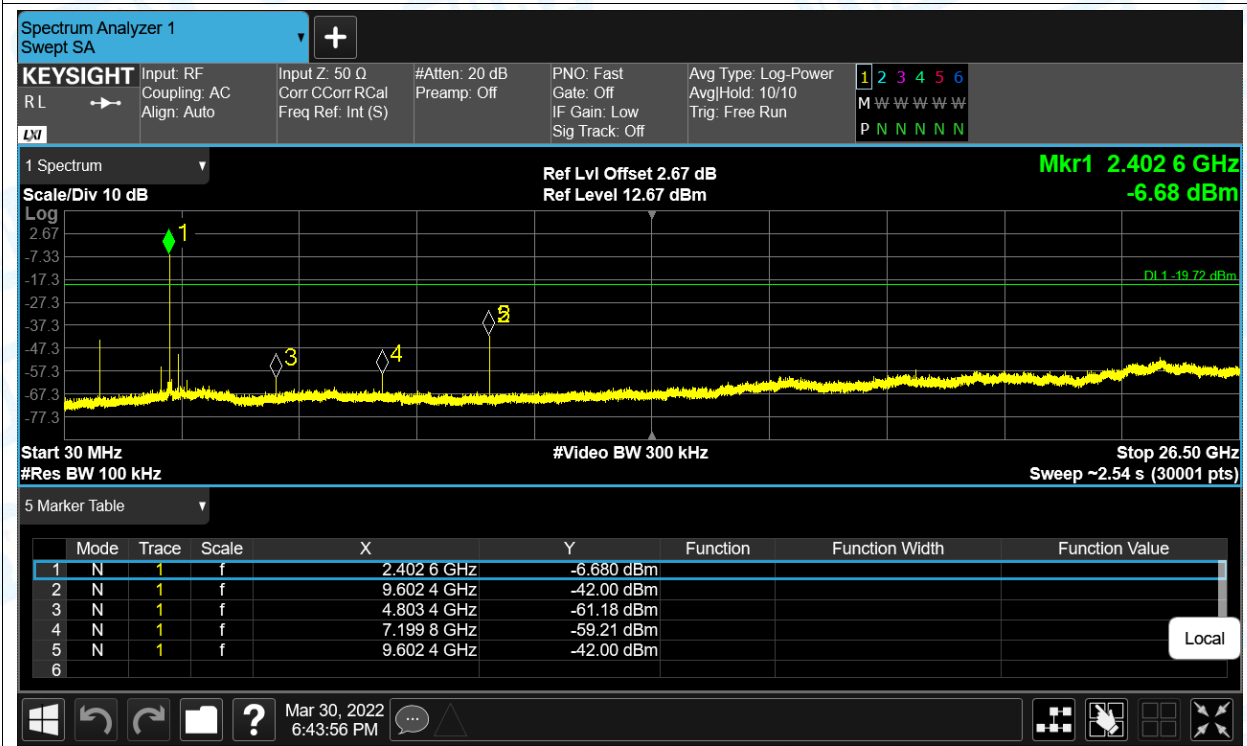
### Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission



Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref

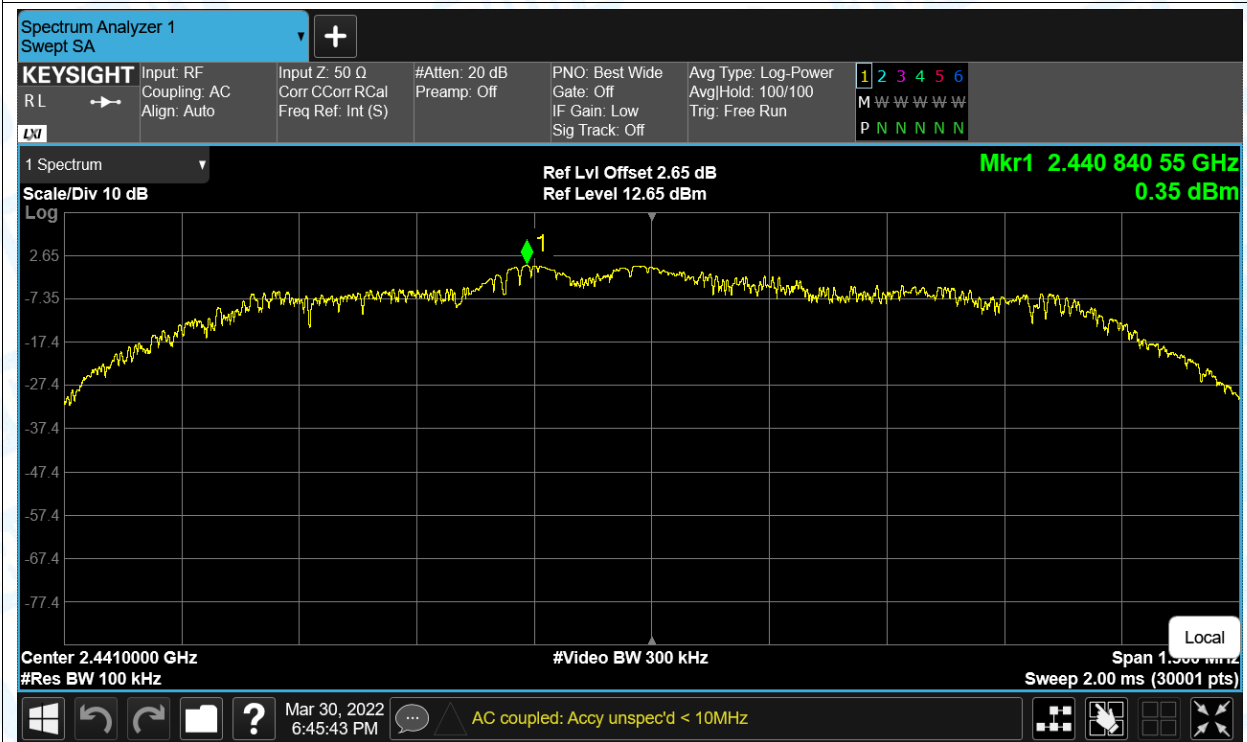


Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission

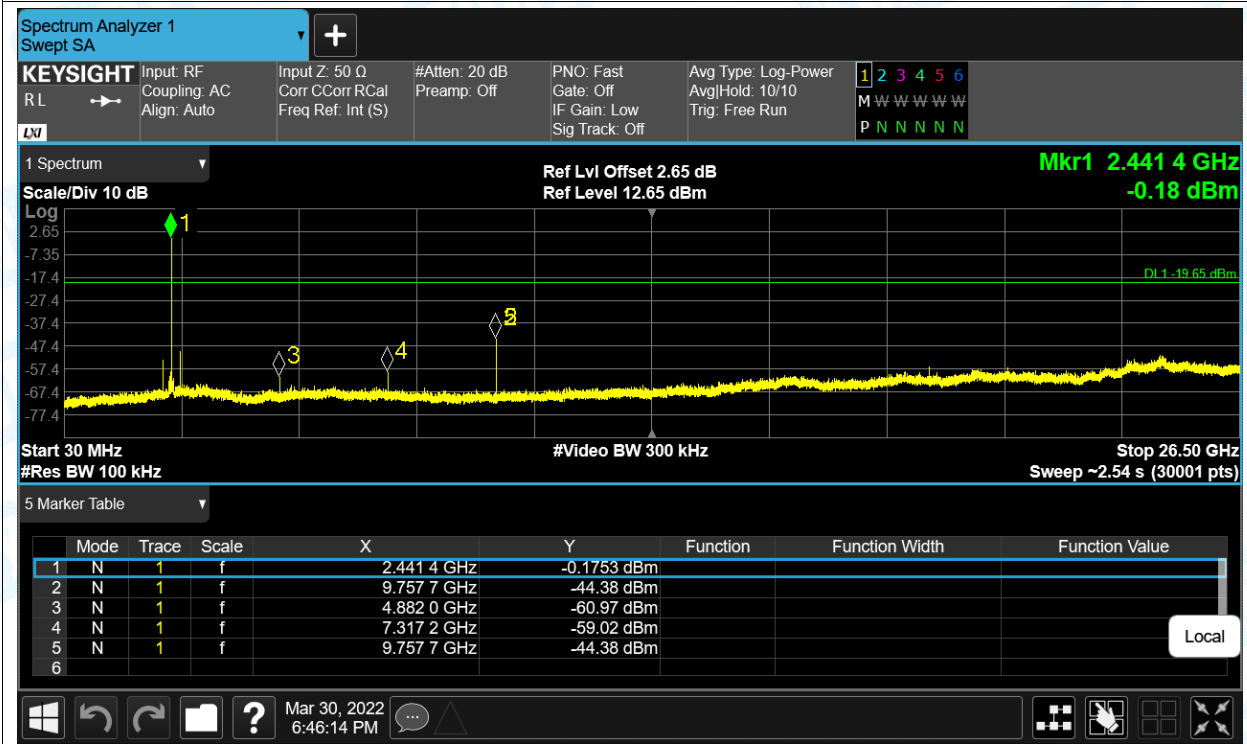




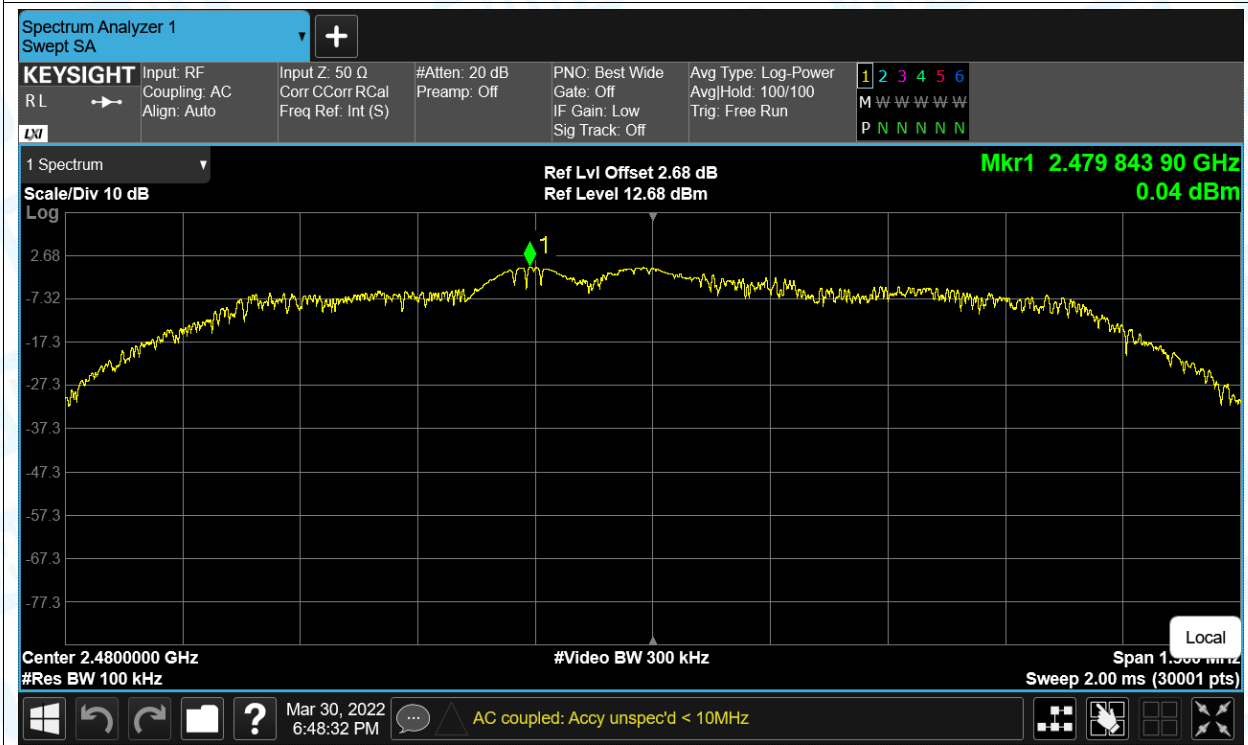
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



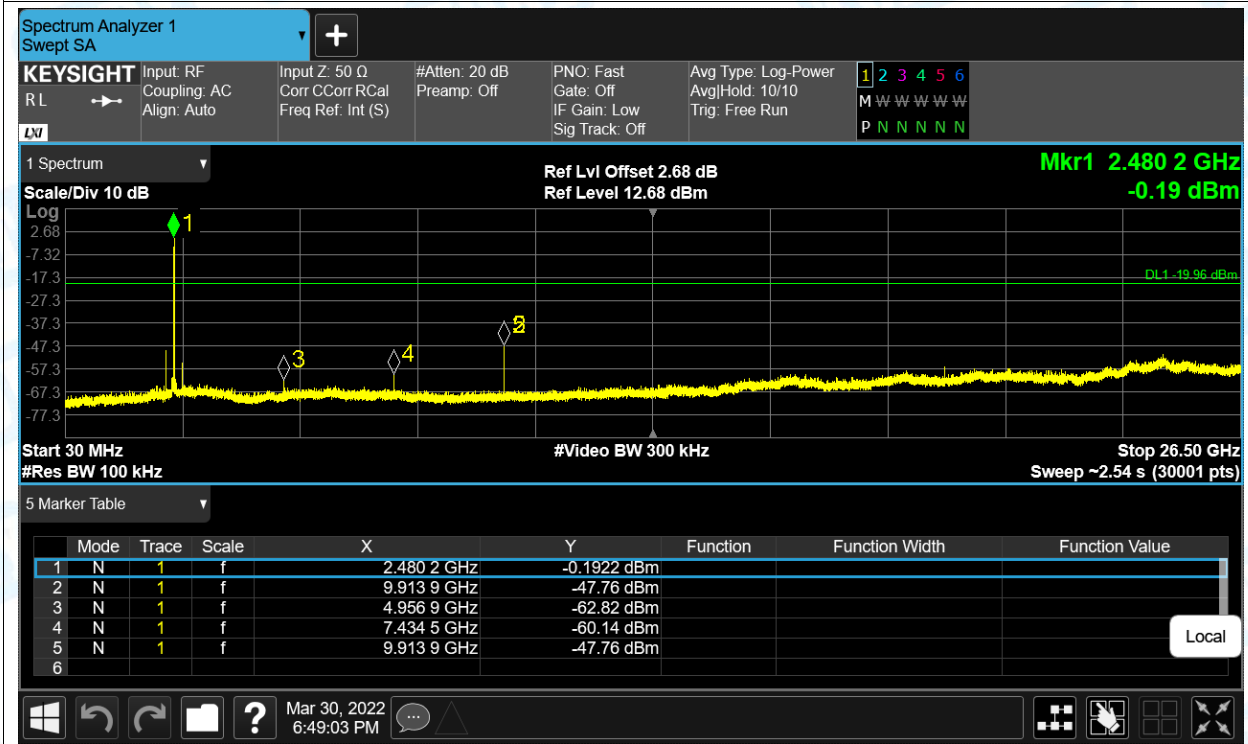
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



### Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref



### Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission

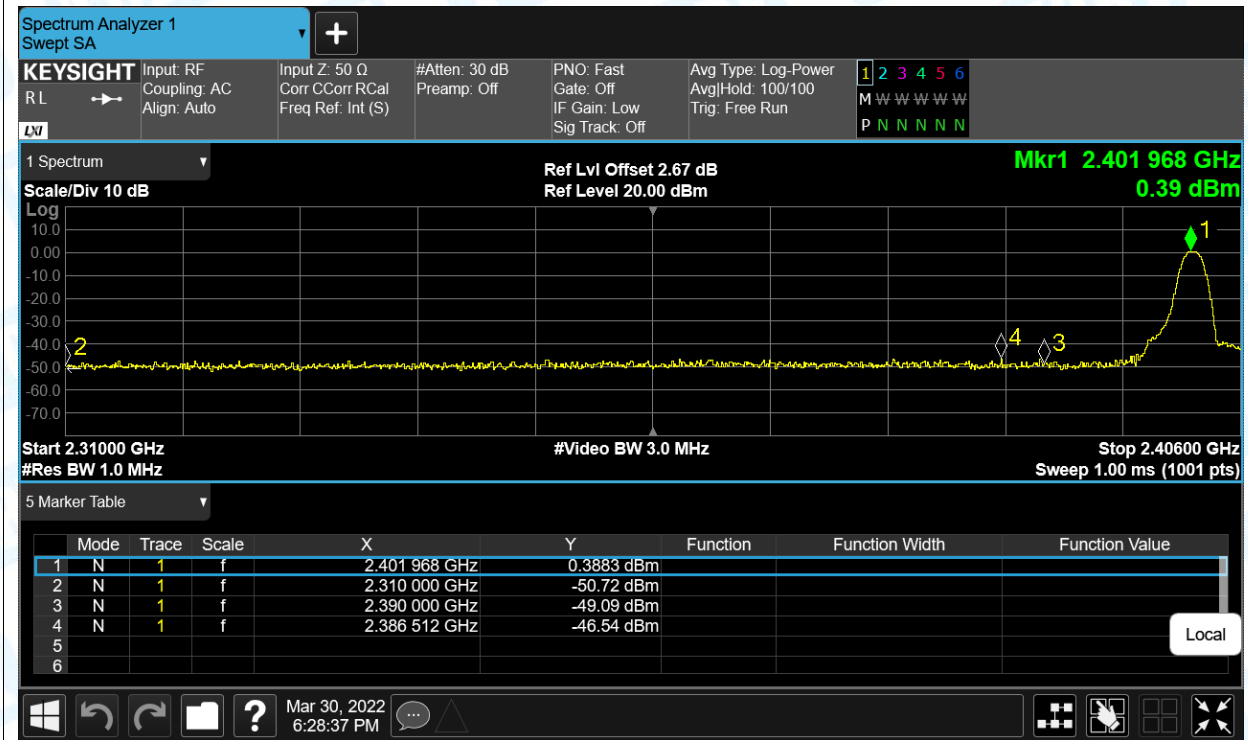


## Restrict Band

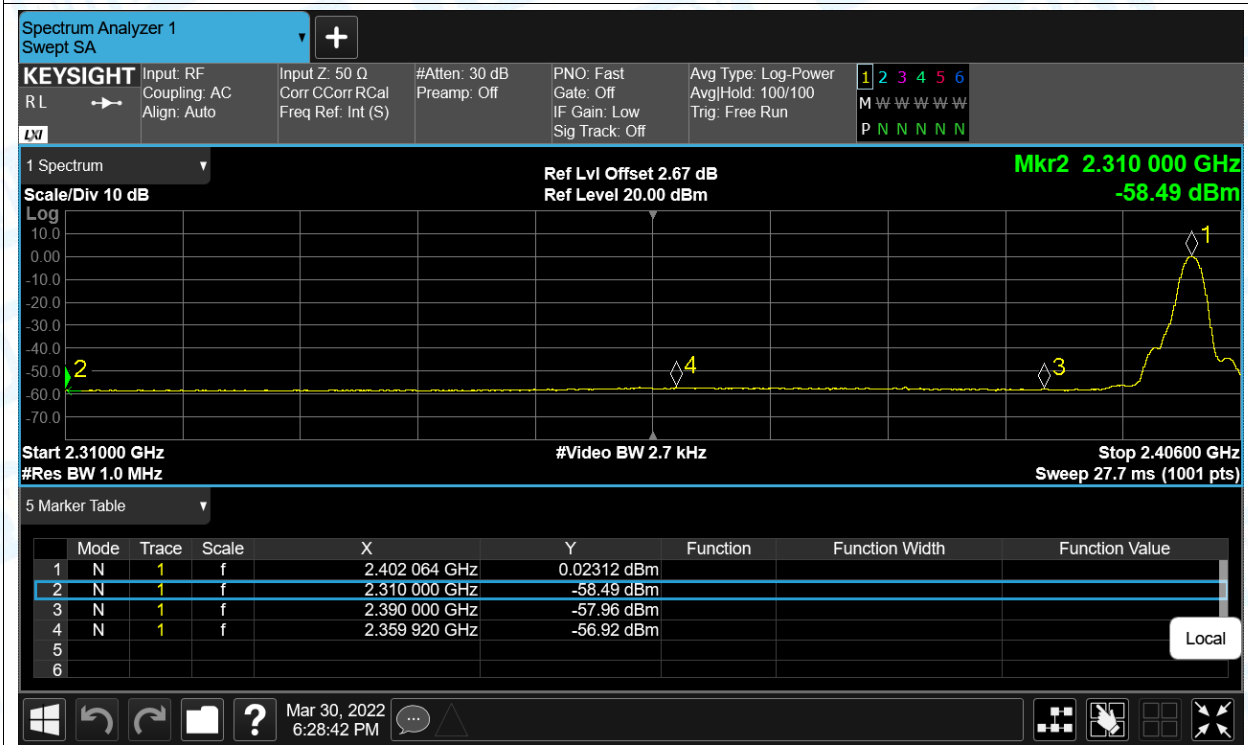
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	2310	-50.72	2	46.54	Peak	74	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2310	-58.49	2	38.77	Average	54	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2386.512	-46.54	2	50.72	Peak	74	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2359.92	-56.92	2	40.34	Average	54	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2390	-48.81	2	48.45	Peak	74	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2390	-57.62	2	39.64	Average	54	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2483.5	-39.79	2	57.47	Peak	74	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2483.5	-45.29	2	51.97	Average	54	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2483.68	-38.73	2	58.53	Peak	74	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2483.512	-45.29	2	51.97	Average	54	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2500	-48.26	2	49	Peak	74	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2500	-57.86	2	39.4	Average	54	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2310	-49.98	2	47.28	Peak	74	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2310	-58.8	2	38.46	Average	54	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2365.104	-45.91	2	51.35	Peak	74	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2362.224	-56.98	2	40.28	Average	54	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2390	-50.81	2	46.45	Peak	74	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2390	-57.95	2	39.31	Average	54	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2483.5	-39.48	2	57.78	Peak	74	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2483.5	-47.85	2	49.41	Average	54	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2483.536	-39.43	2	57.83	Peak	74	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2483.512	-47.85	2	49.41	Average	54	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2500	-46.95	2	50.31	Peak	74	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2500	-57.79	2	39.47	Average	54	Pass

Test Graphs

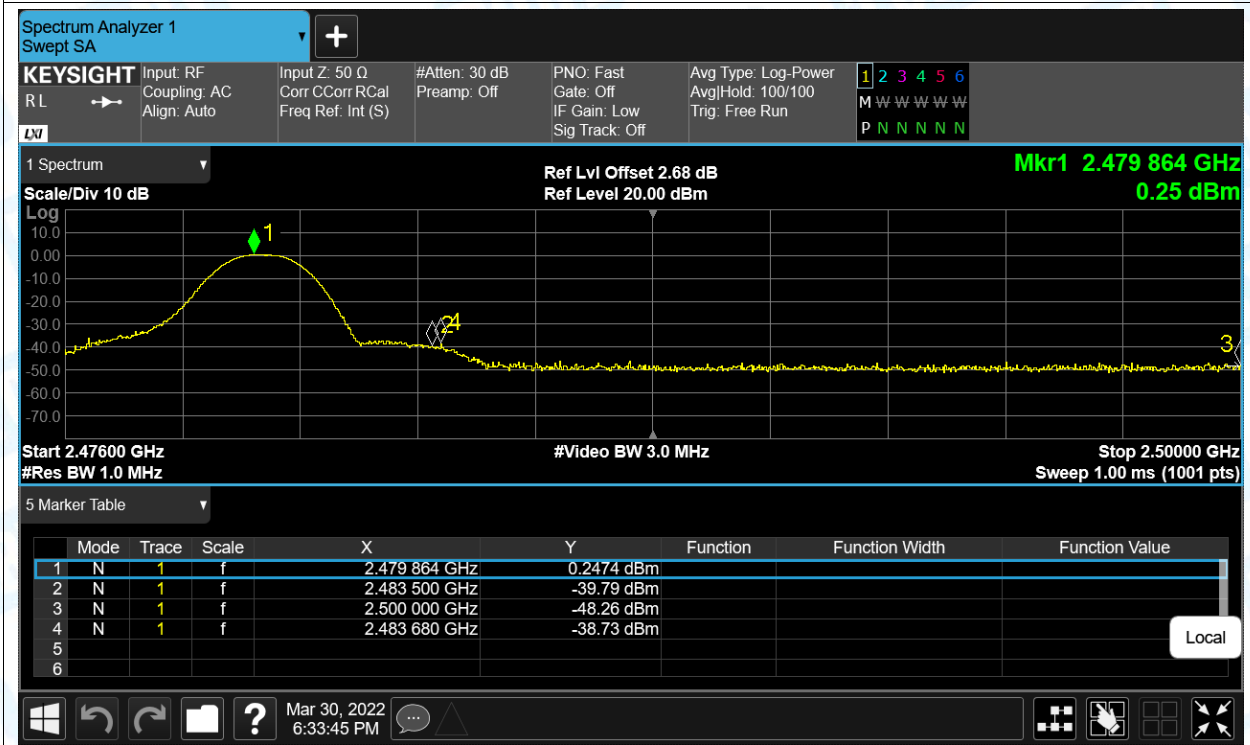
Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Peak



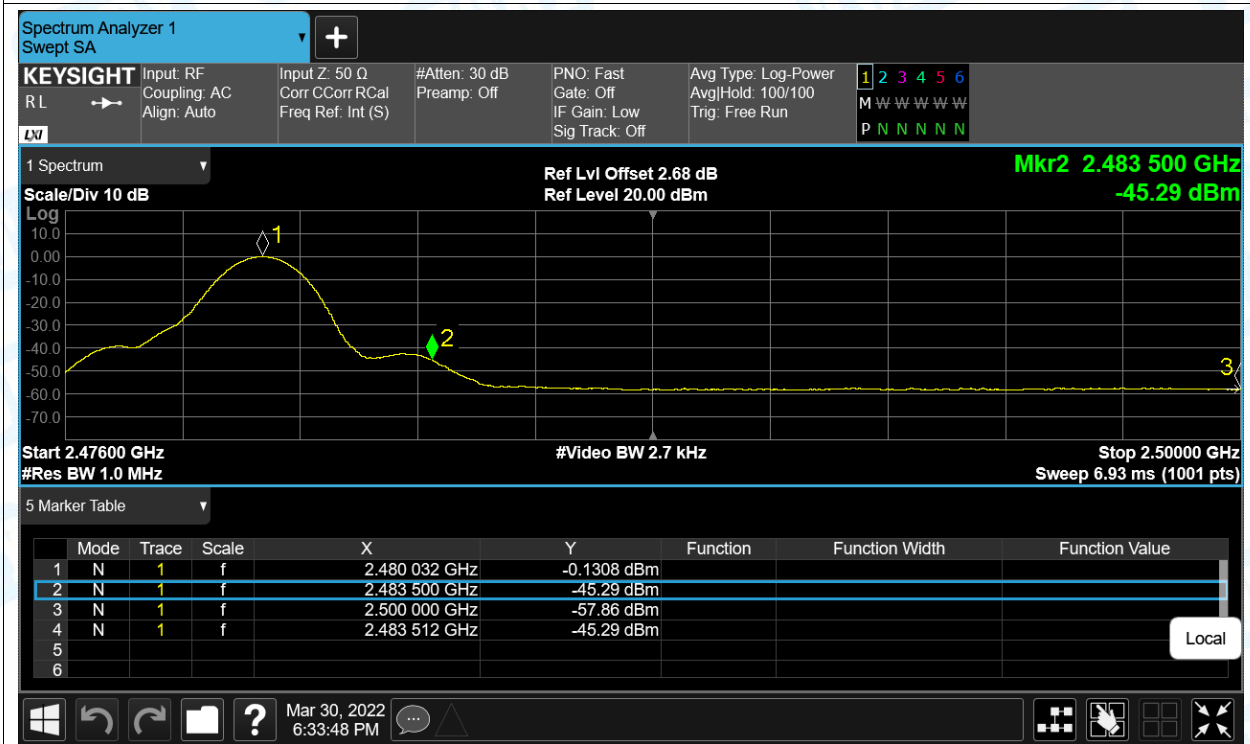
Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Average



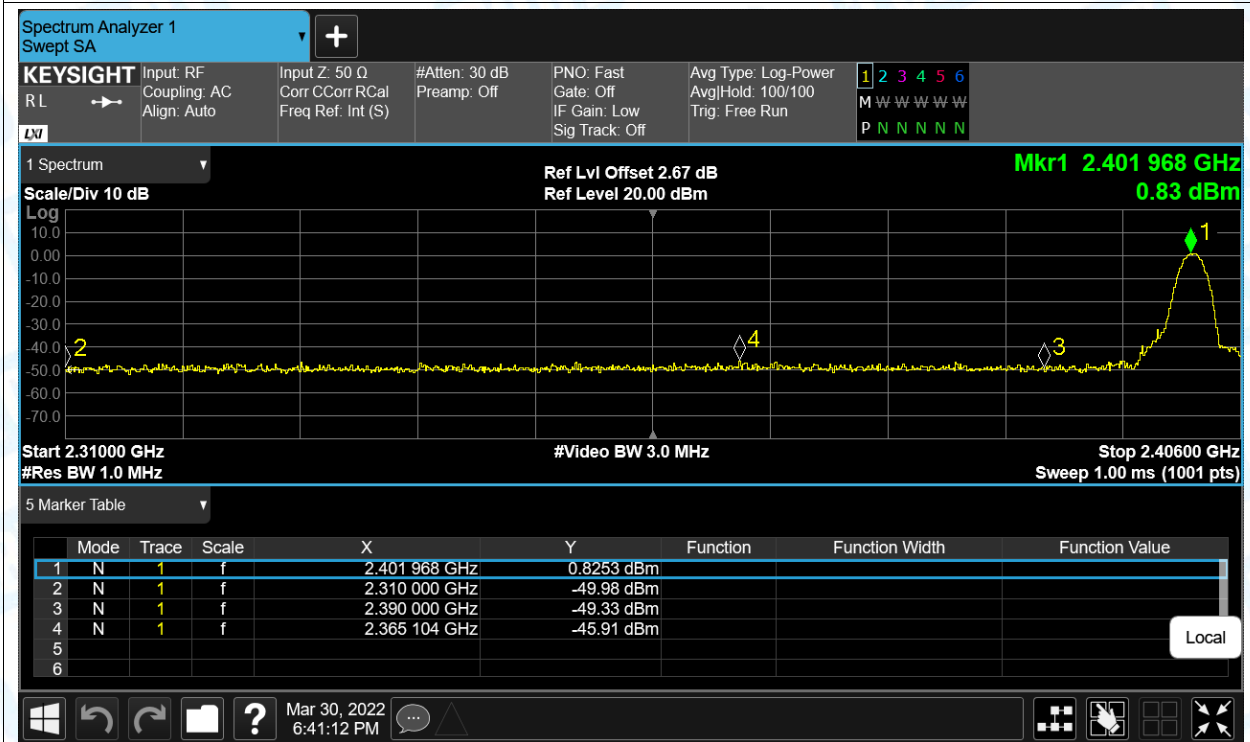
### Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Peak



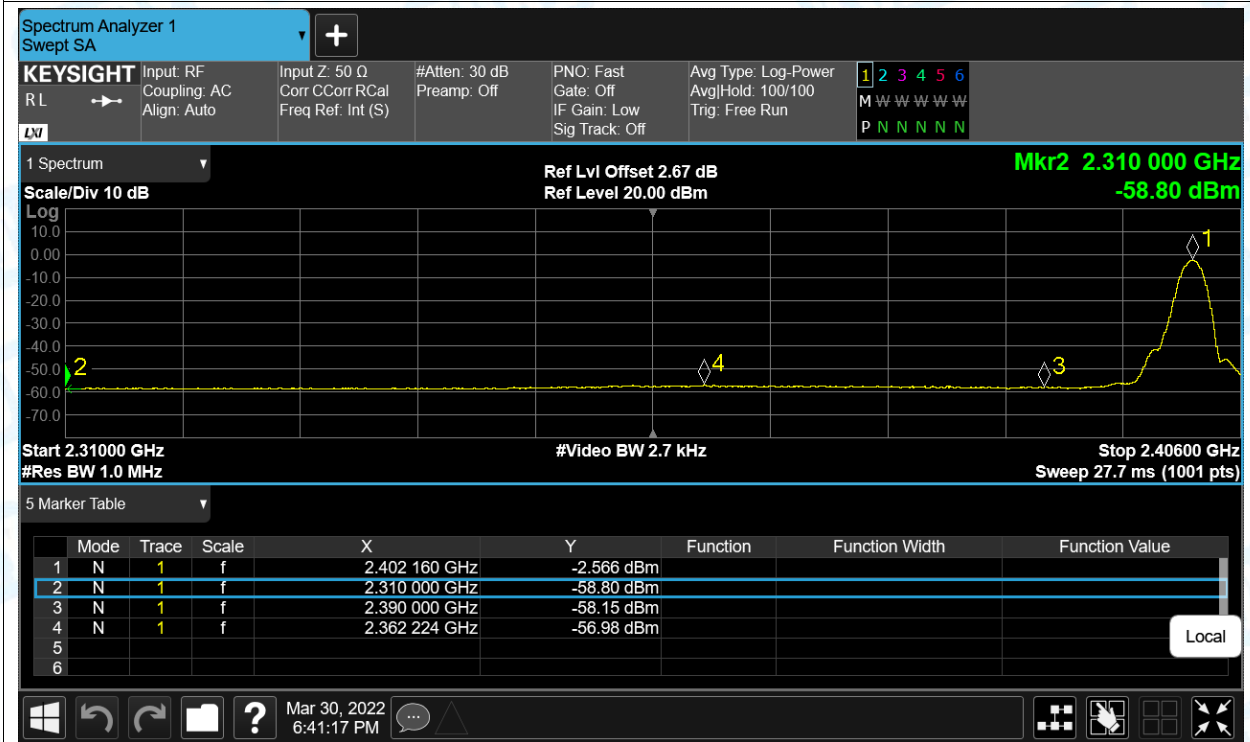
### Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Average



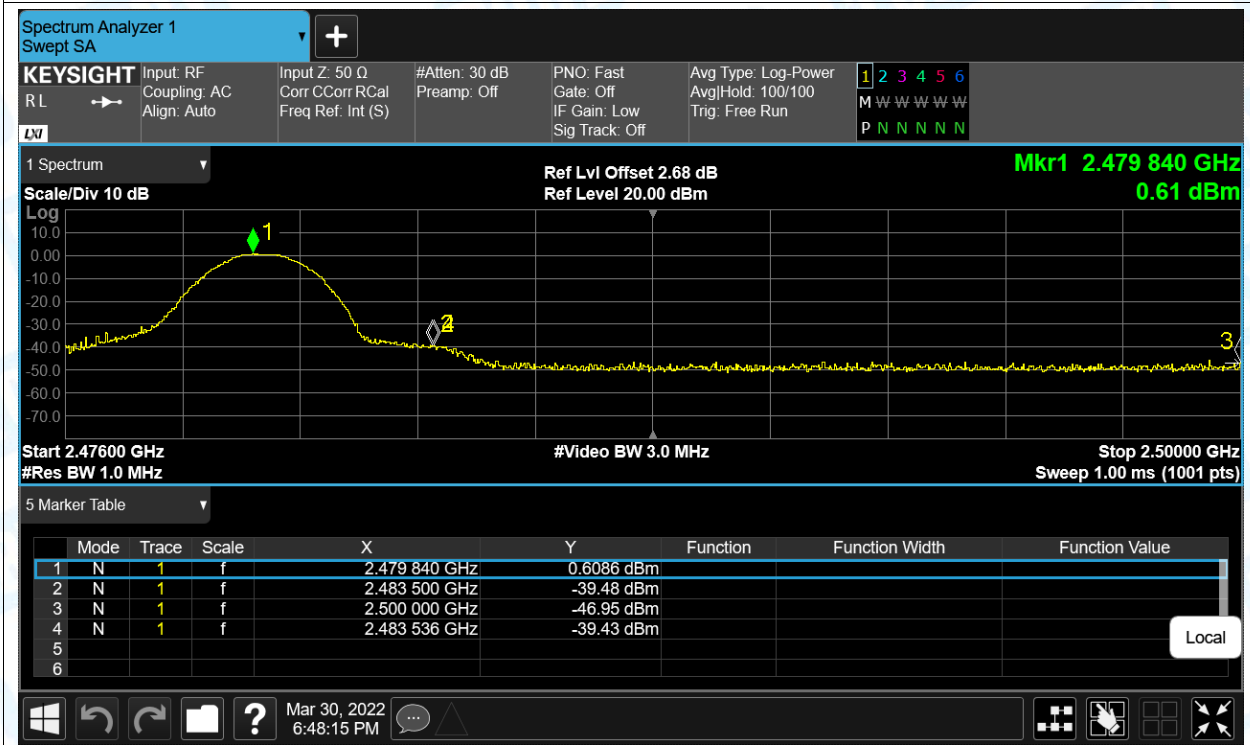
### Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Peak



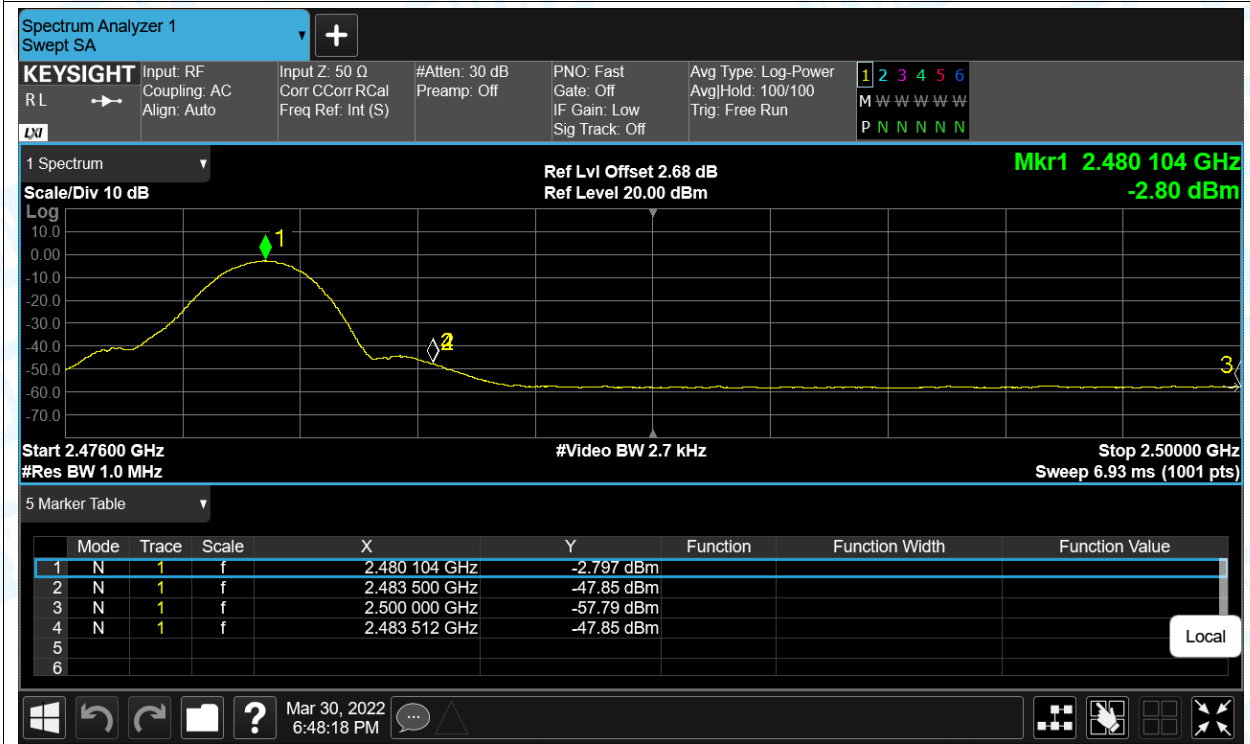
### Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Average



### Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Peak



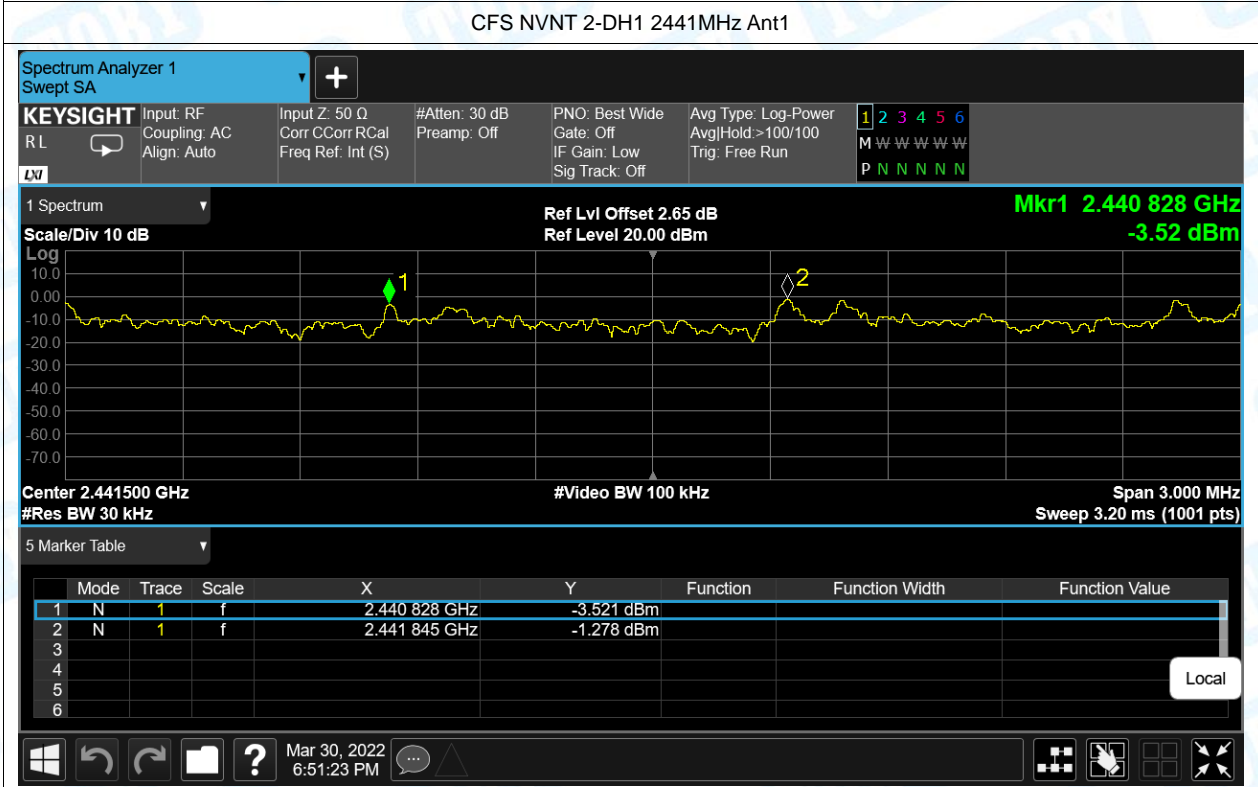
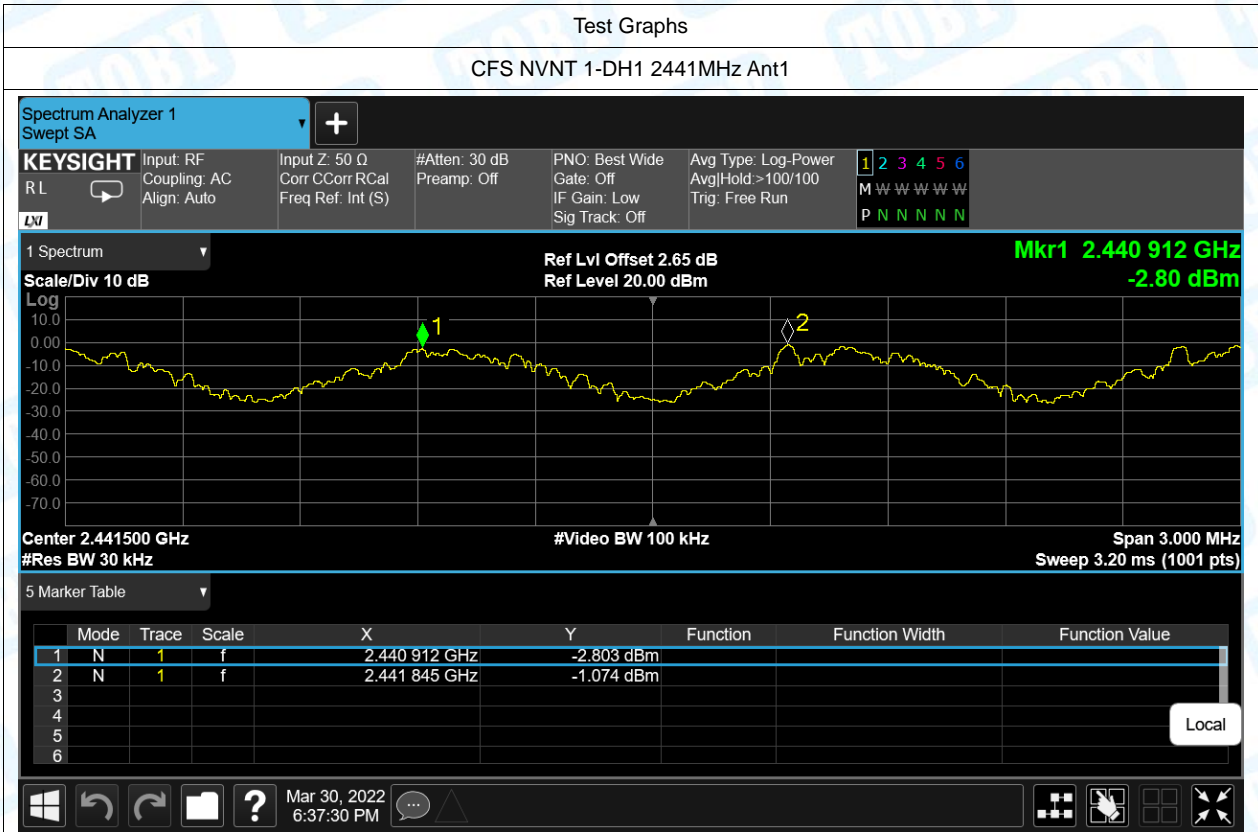
### Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Average



## Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH1	Ant1	2440.912	2441.845	0.933	0.573	Pass
NVNT	2-DH1	Ant1	2440.828	2441.845	1.017	0.833	Pass



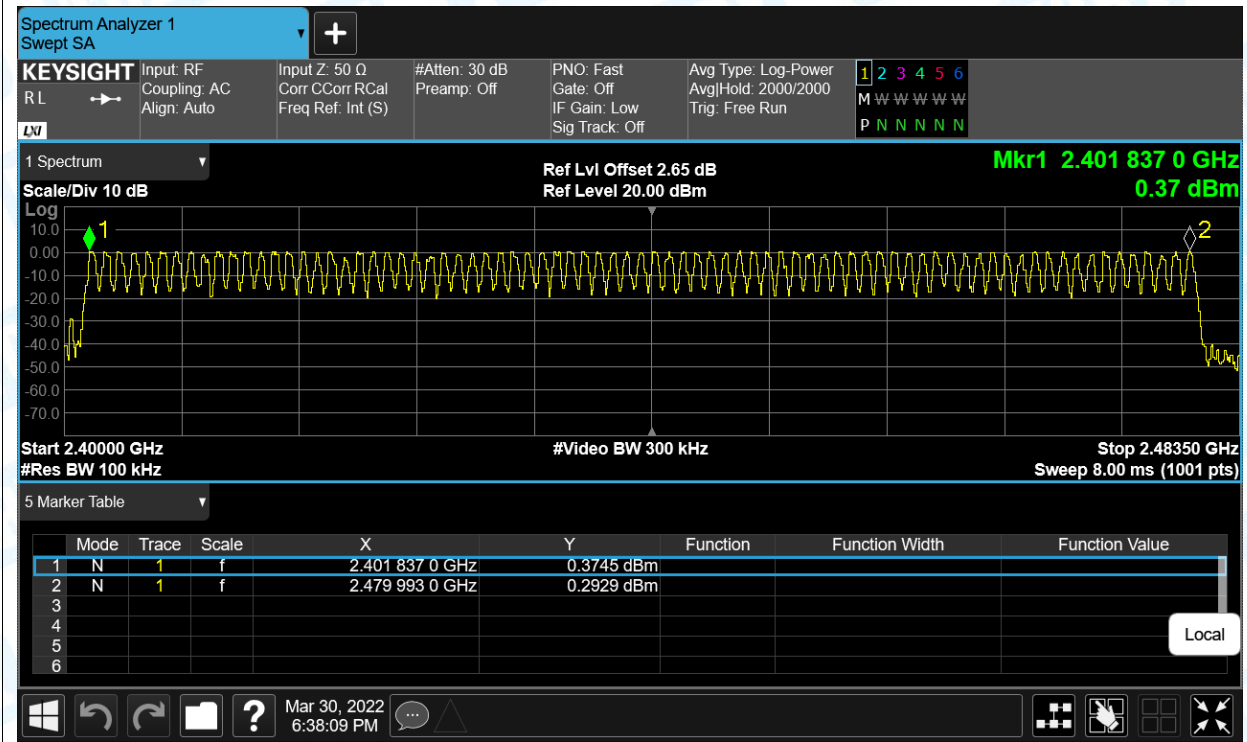


## Number of Hopping Channel

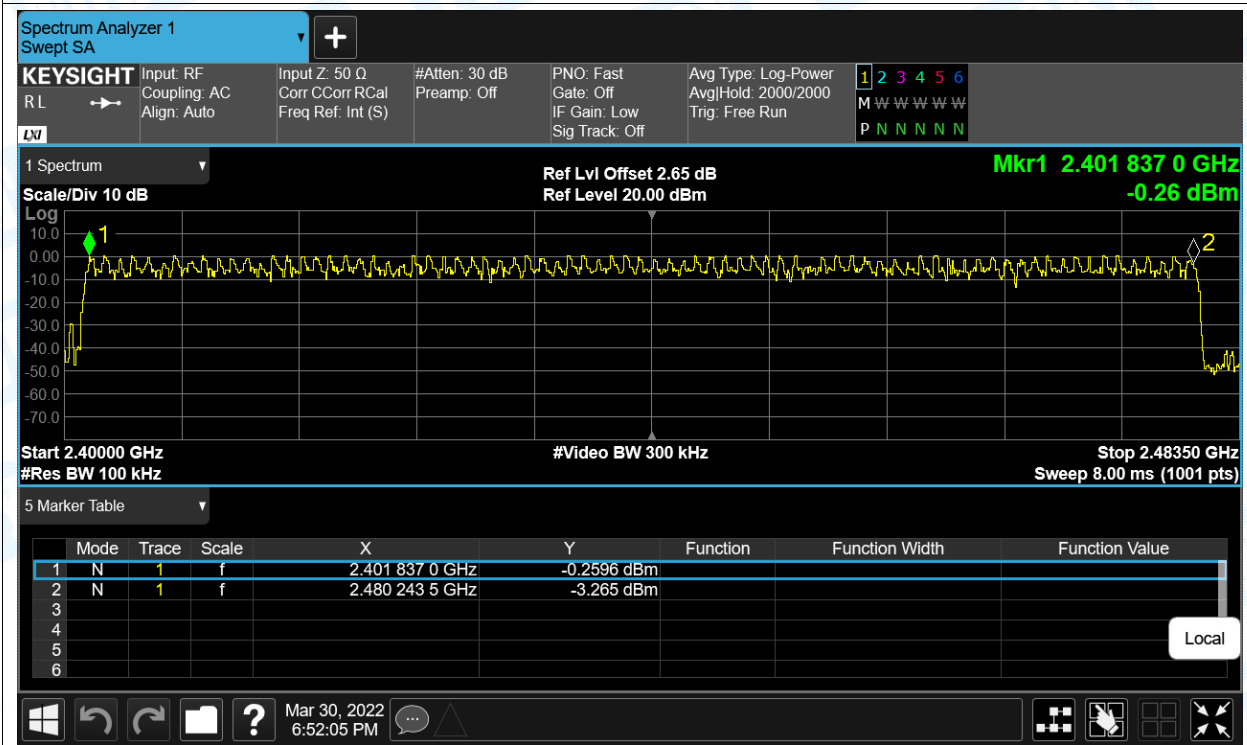
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH1	Ant1	79	15	Pass
NVNT	2-DH1	Ant1	79	15	Pass

Test Graphs

Hopping No. NVNT 1-DH1 2441MHz Ant1



Hopping No. NVNT 2-DH1 2441MHz Ant1

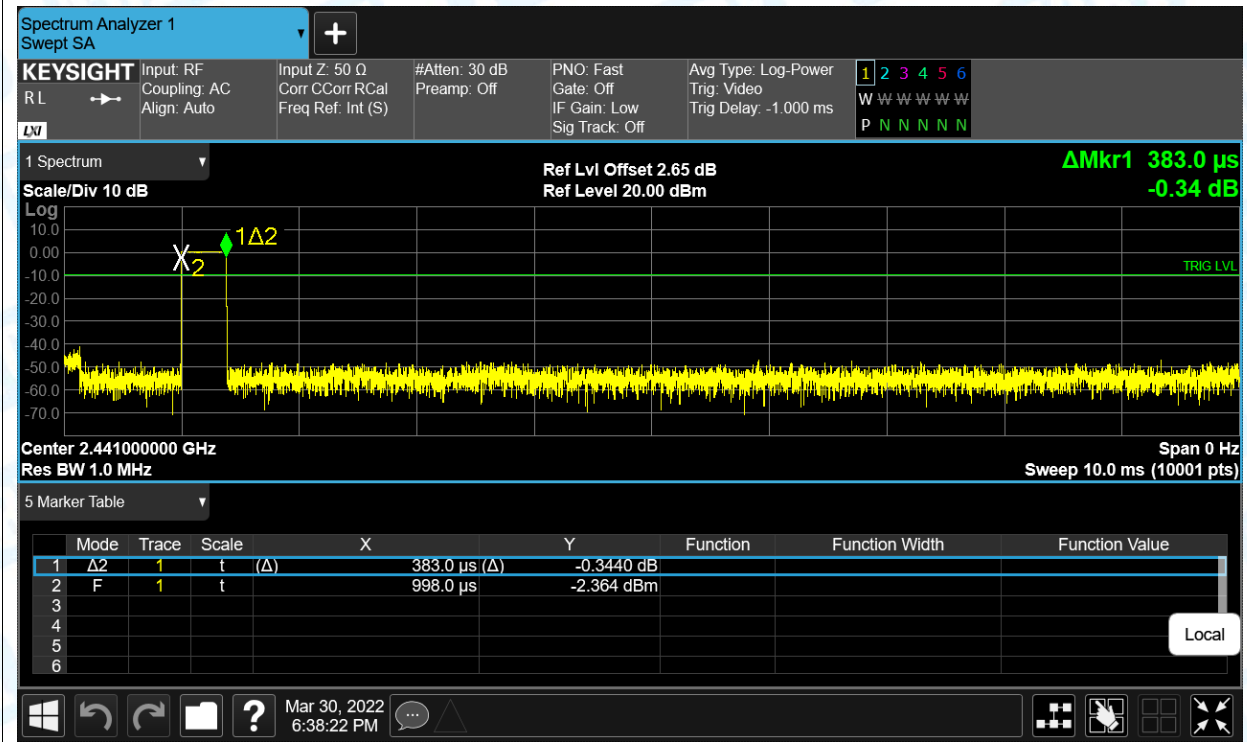


## Dwell Time

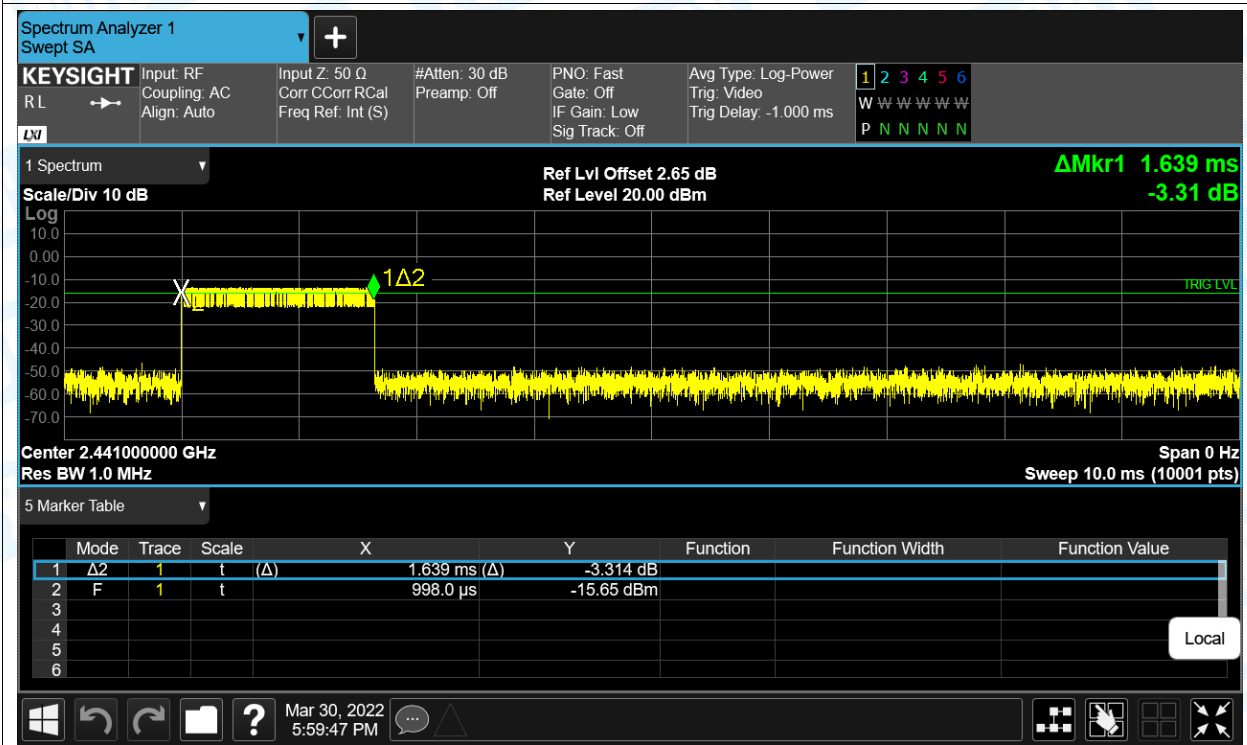
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.383	122.56	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.639	262.24	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.888	308.053	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.391	125.12	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.644	263.04	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.892	308.48	31600	400	Pass

Test Graphs

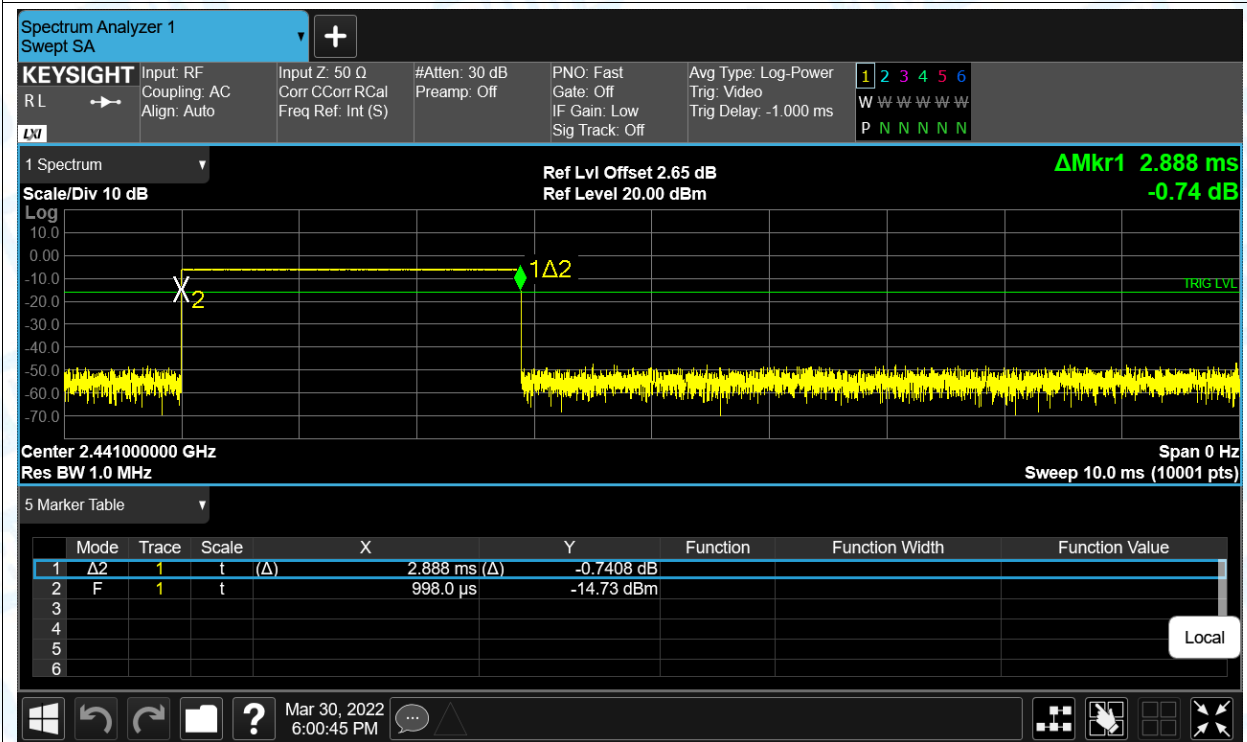
Dwell NVNT 1-DH1 2441MHz Ant1



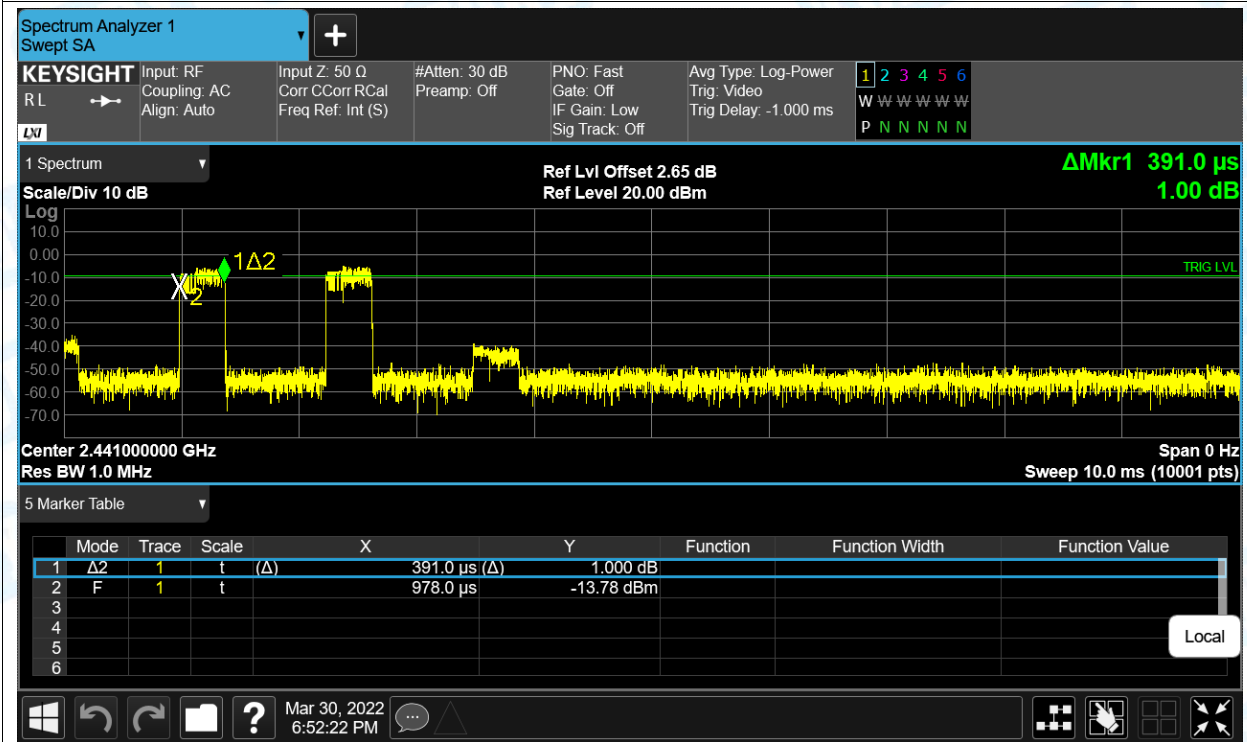
Dwell NVNT 1-DH3 2441MHz Ant1



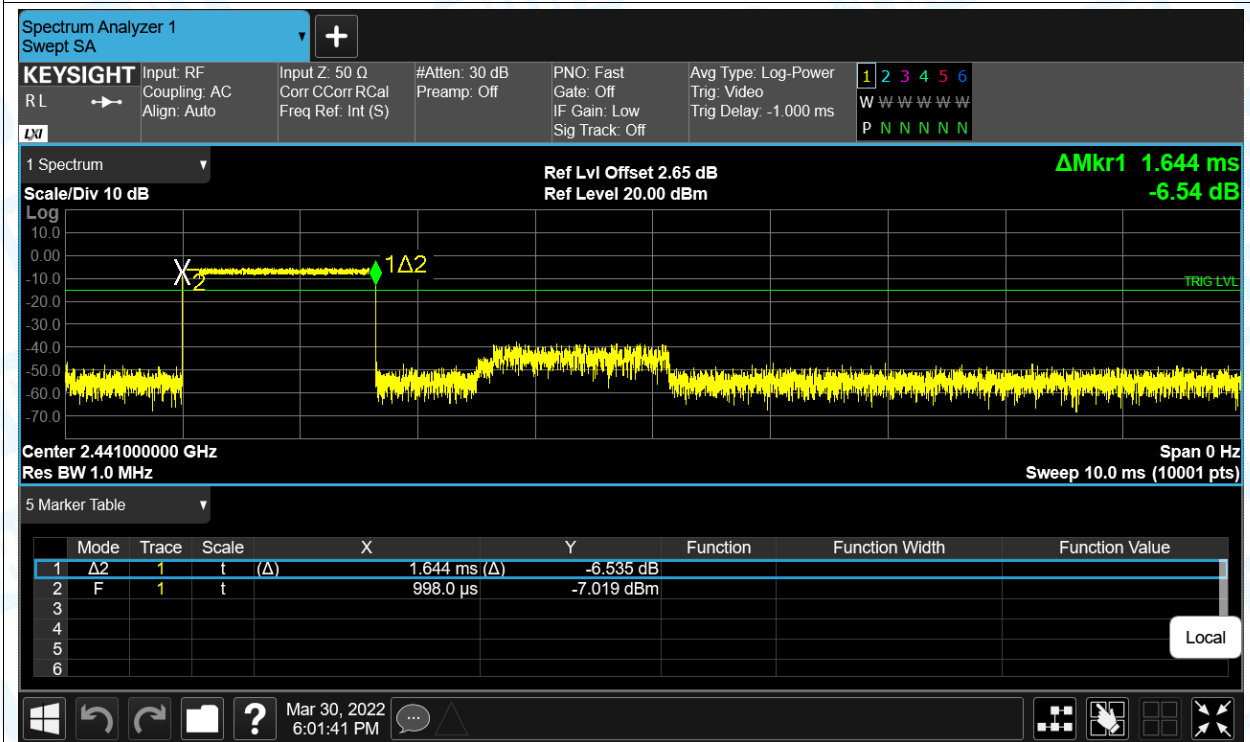
Dwell NVNT 1-DH5 2441MHz Ant1



Dwell NVNT 2-DH1 2441MHz Ant1



### Dwell NVNT 2-DH3 2441MHz Ant1



### Dwell NVNT 2-DH5 2441MHz Ant1

