

RF Test Data for 2.4G (Conducted Measurements)

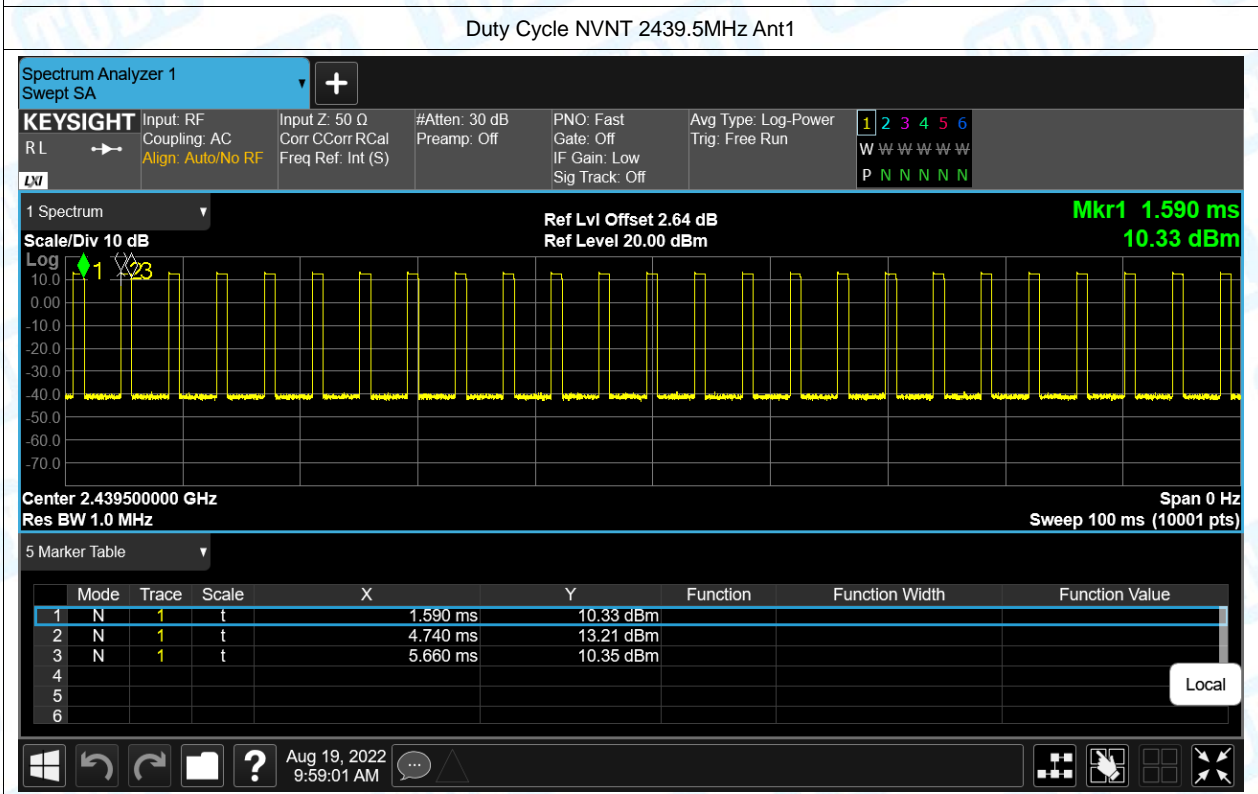
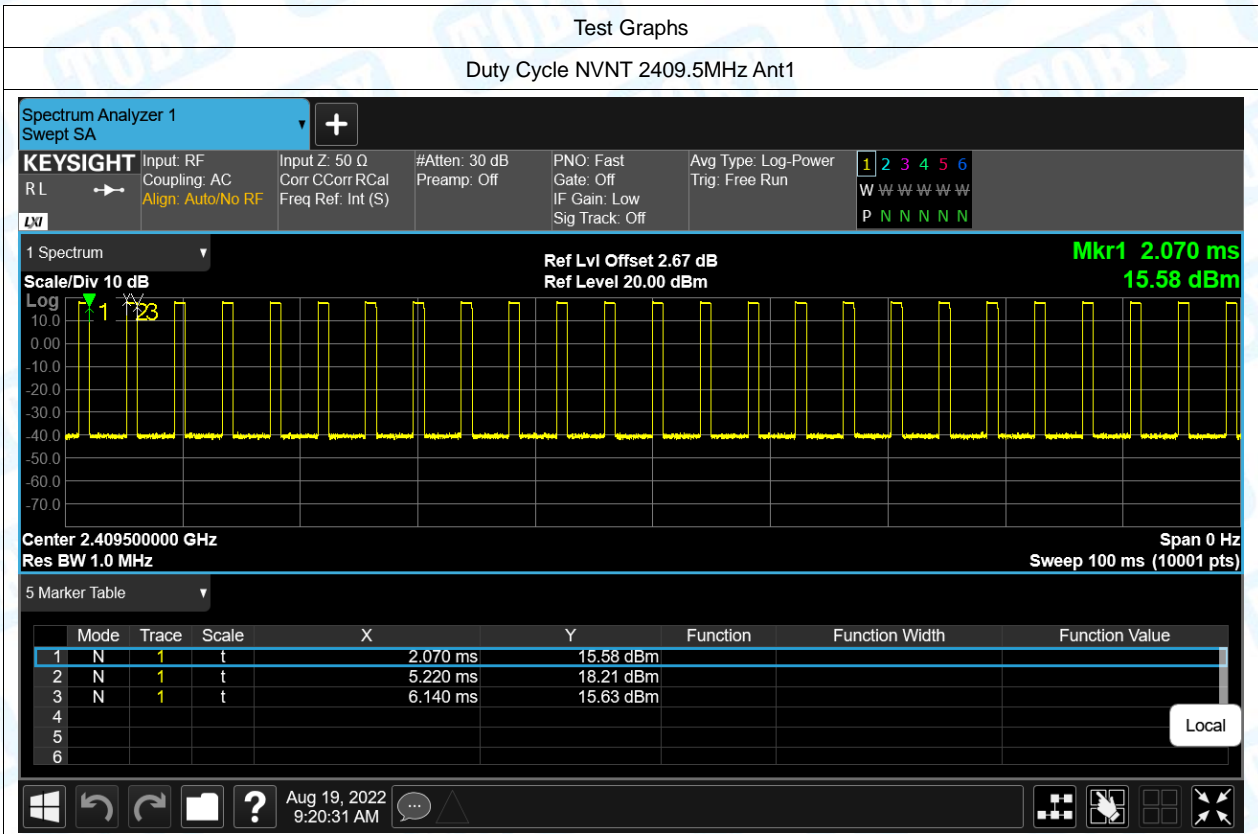
General Description of EUT	
Product Name:	2.4GHz Digital Wireless Video Baby Monitor
FCC Test Model:	HB6233
IC Test Model:	HB6233RX
Sample ID:	202203-0211-1_04
Environmental Conditions	
Temperature:	25°C
Relative Humidity:	55%
Test Voltage:	DC 3.7V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202203-0211-26& TBR-C-202203-0211-28	

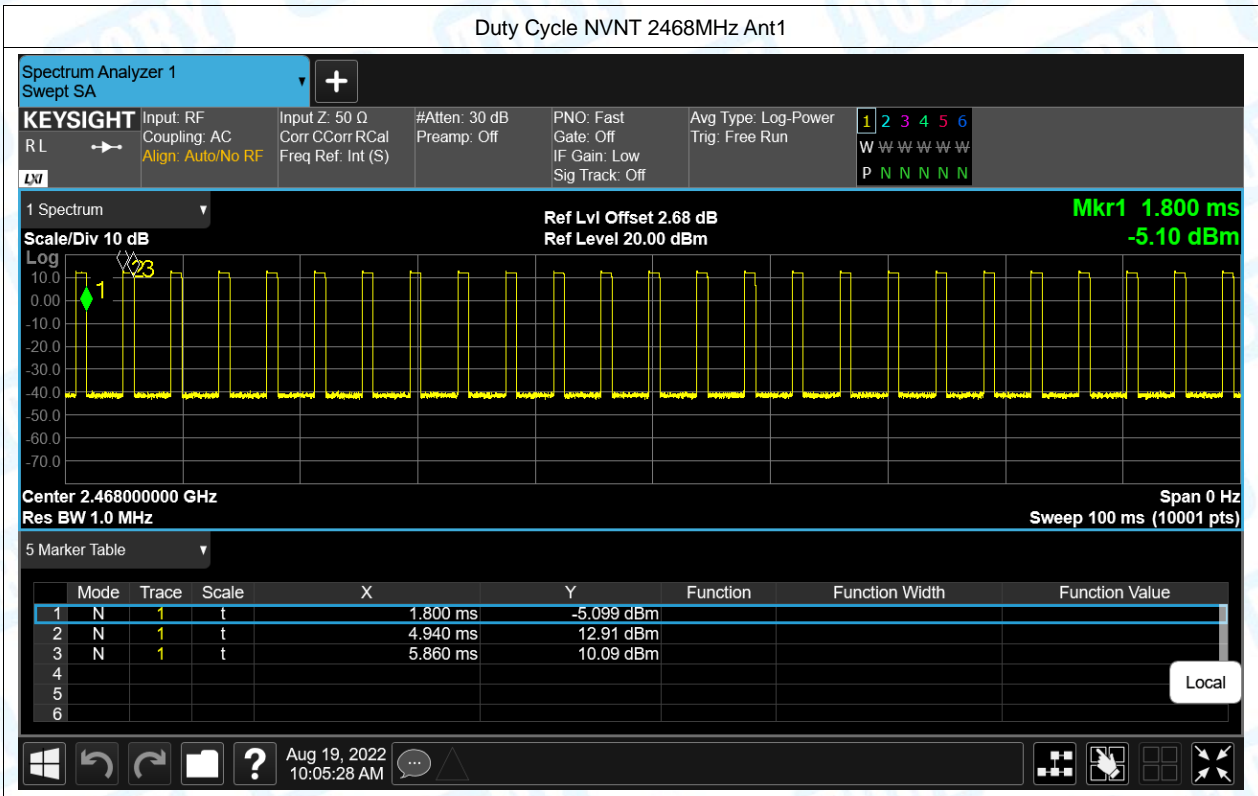
Contents

1. Duty Cycle.....	3
2. Maximum Conducted Output Power	6
3. -20dB Bandwidth	9
4. Occupied Channel Bandwidth	12
5. Band Edge	15
6. Band Edge(Hopping).....	18
7. Conducted RF Spurious Emission.....	21
8. Restrict Band.....	25
9. Carrier Frequencies Separation.....	28
10. Number of Hopping Channel	30
11.Dwell Time.....	32

1. Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	GFSK	2409.5	Ant1	22.6	6.46	1.09
NVNT	GFSK	2439.5	Ant1	22.6	6.46	1.09
NVNT	GFSK	2468	Ant1	22.66	6.45	1.09



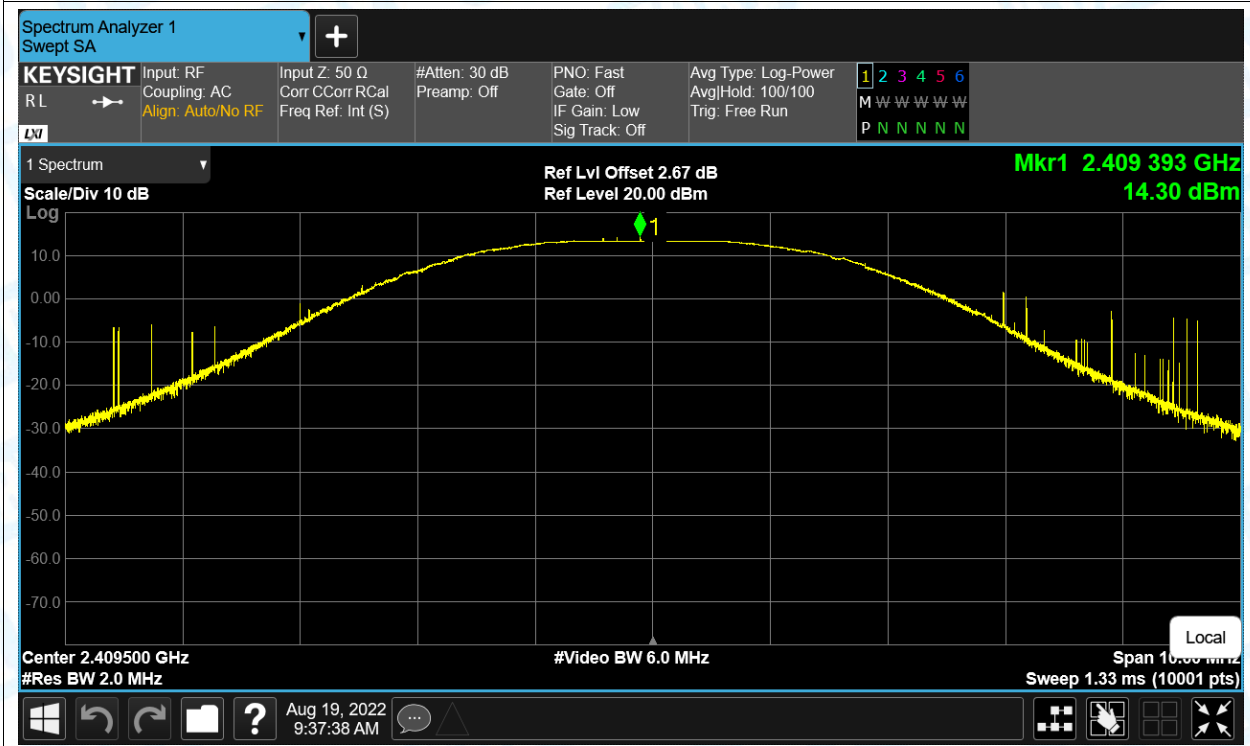


2. Maximum Conducted Output Power

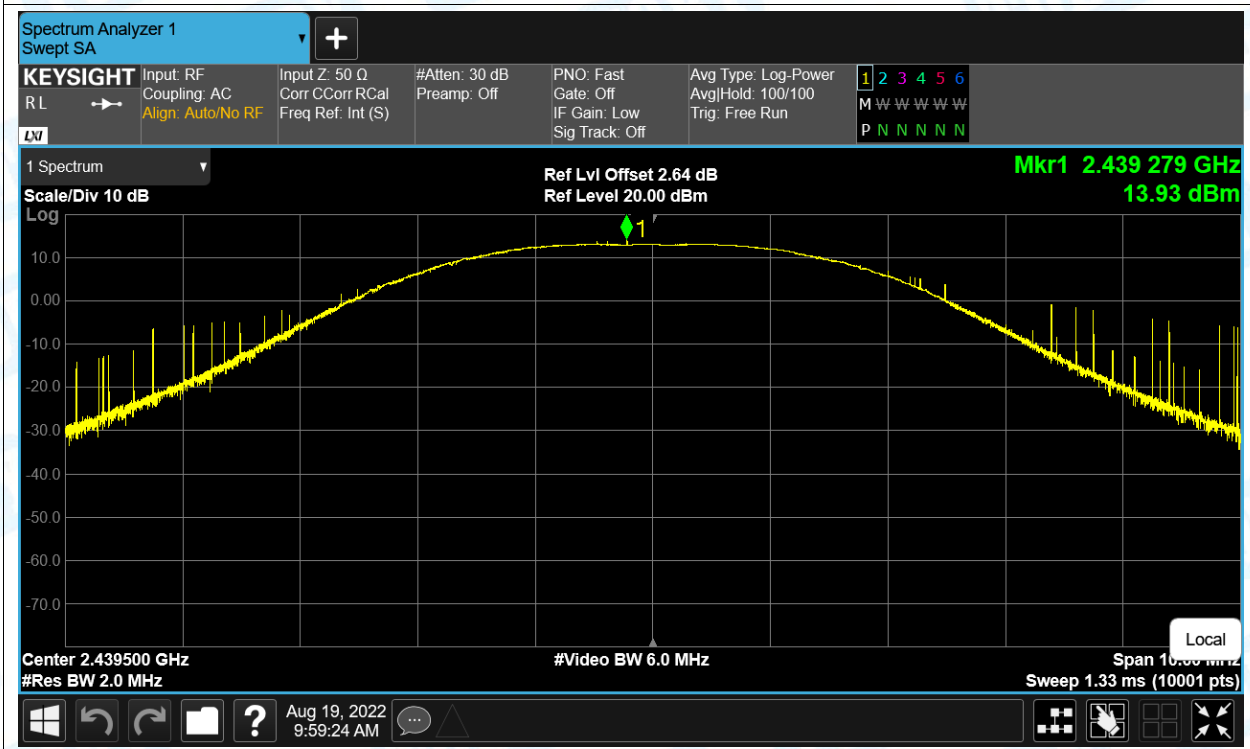
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	GFSK	2409.5	Ant1	14.295	21	Pass
NVNT	GFSK	2439.5	Ant1	13.925	21	Pass
NVNT	GFSK	2468	Ant1	13.603	21	Pass

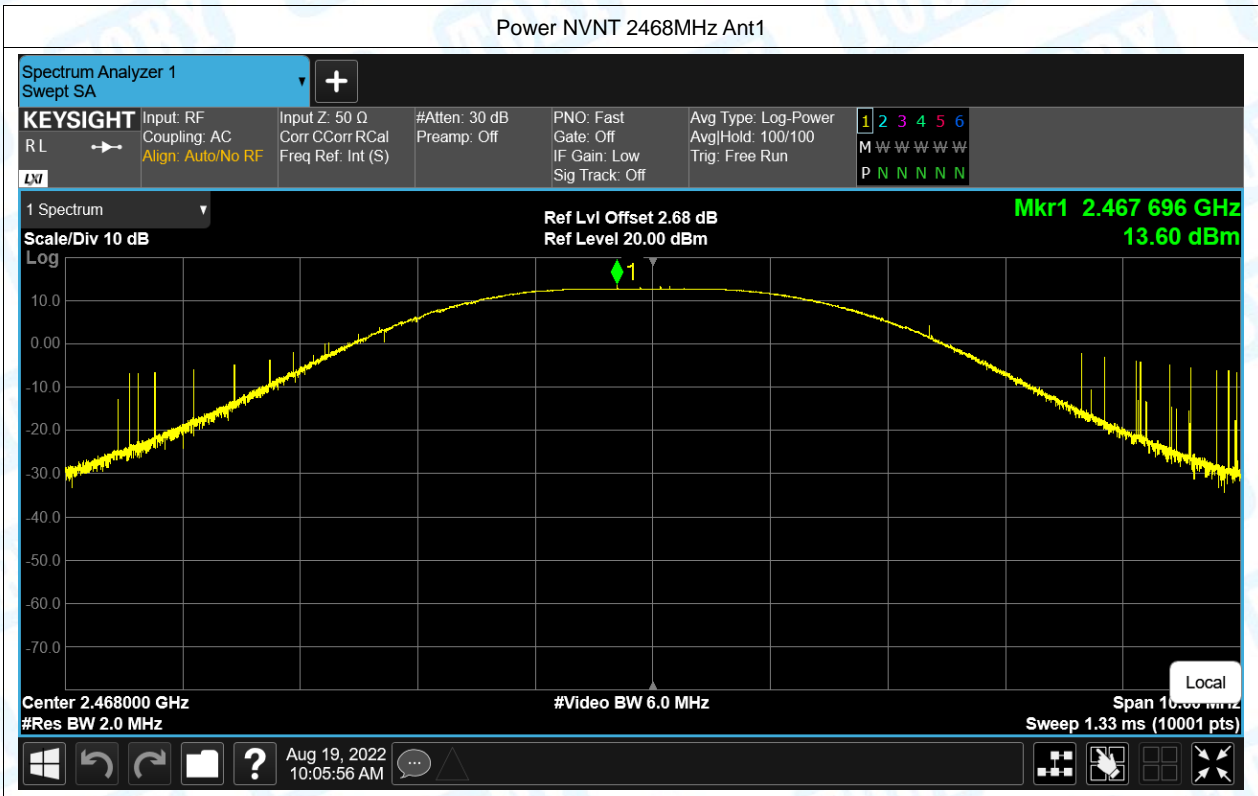
Test Graphs

Power NVNT 2409.5MHz Ant1



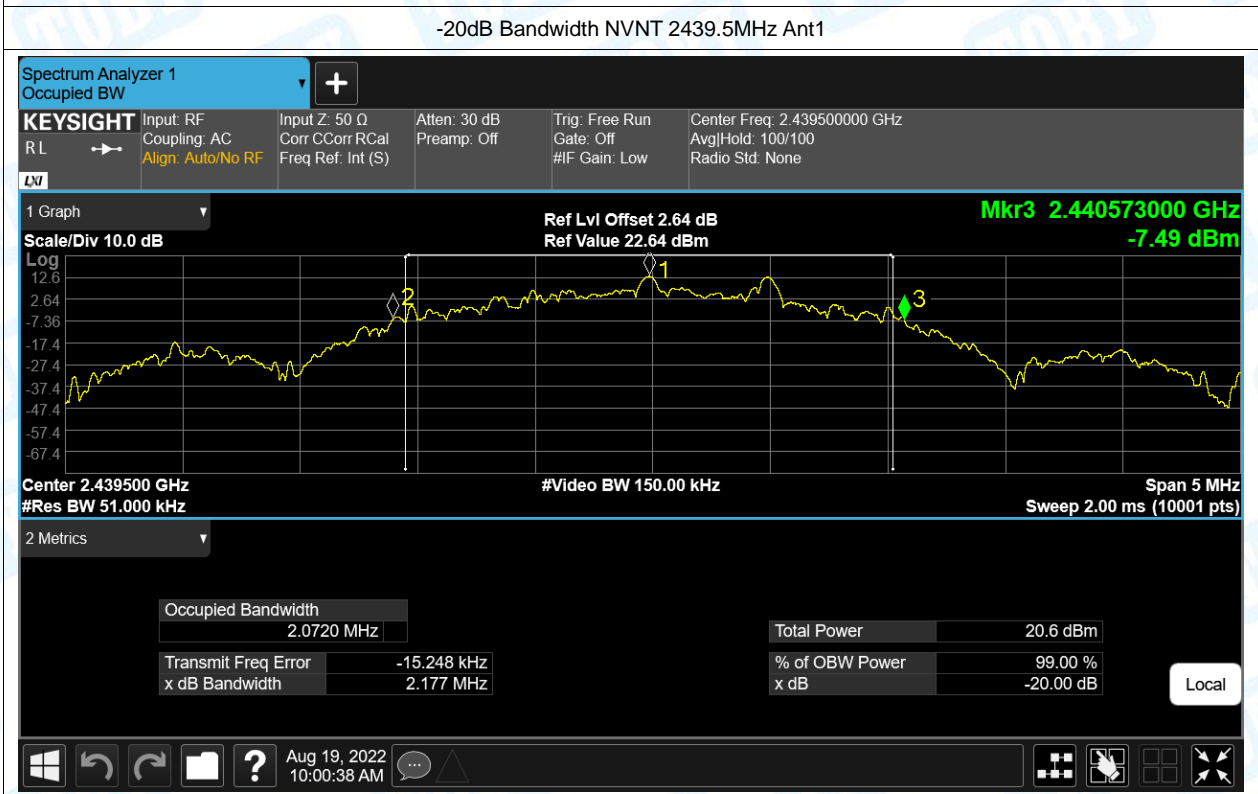
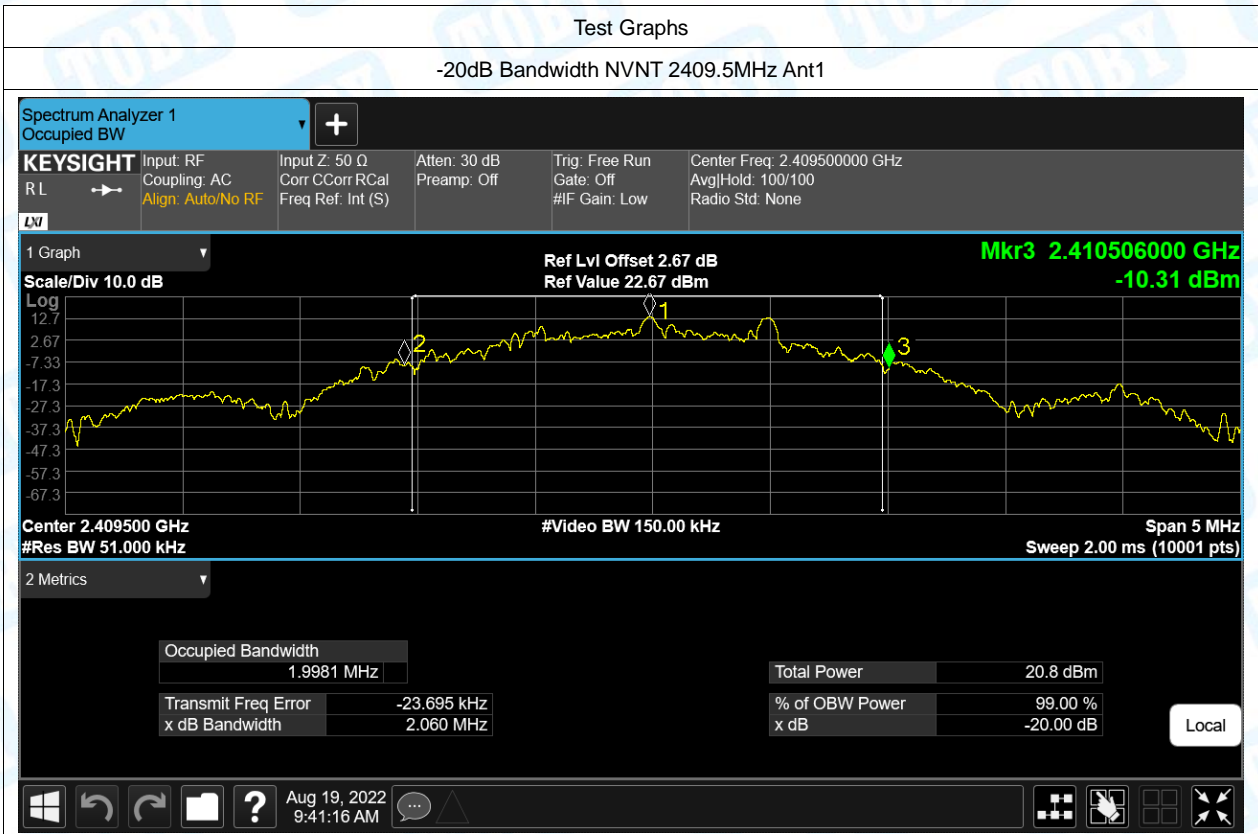
Power NVNT 2439.5MHz Ant1

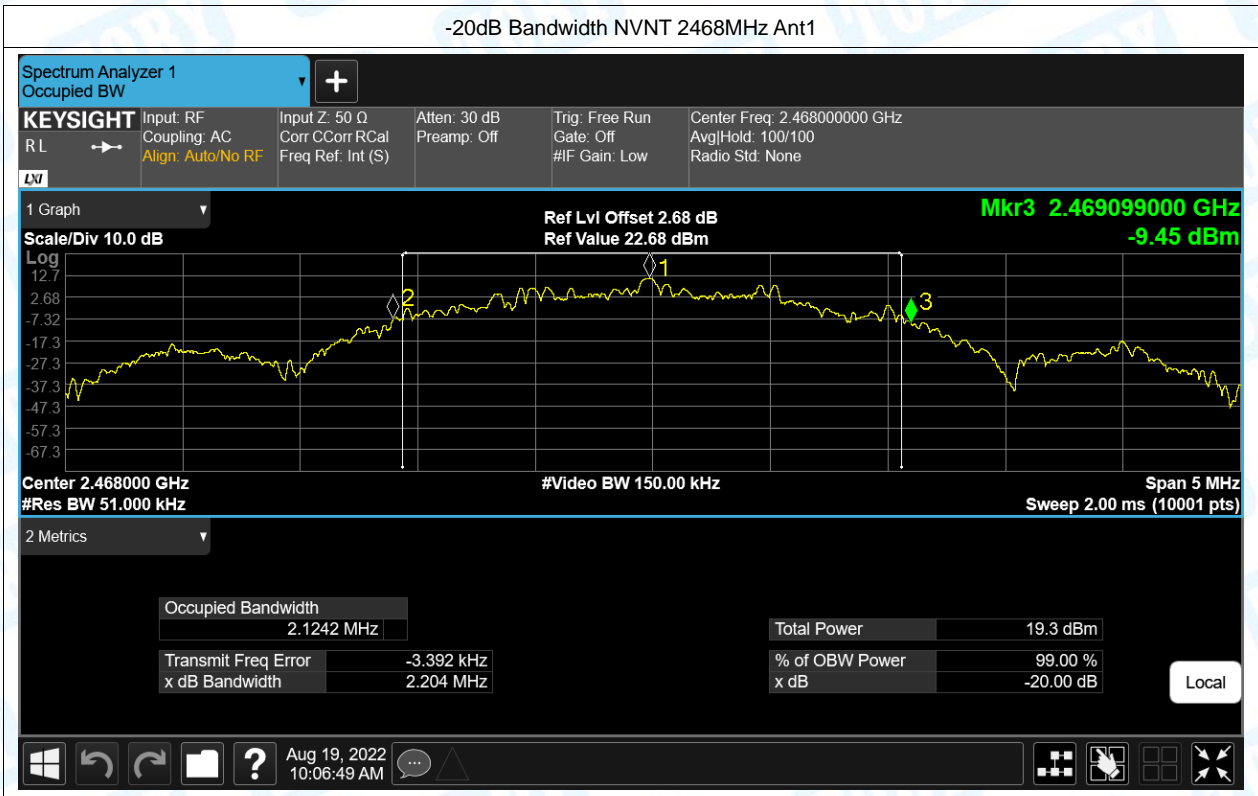




3. -20dB Bandwidth

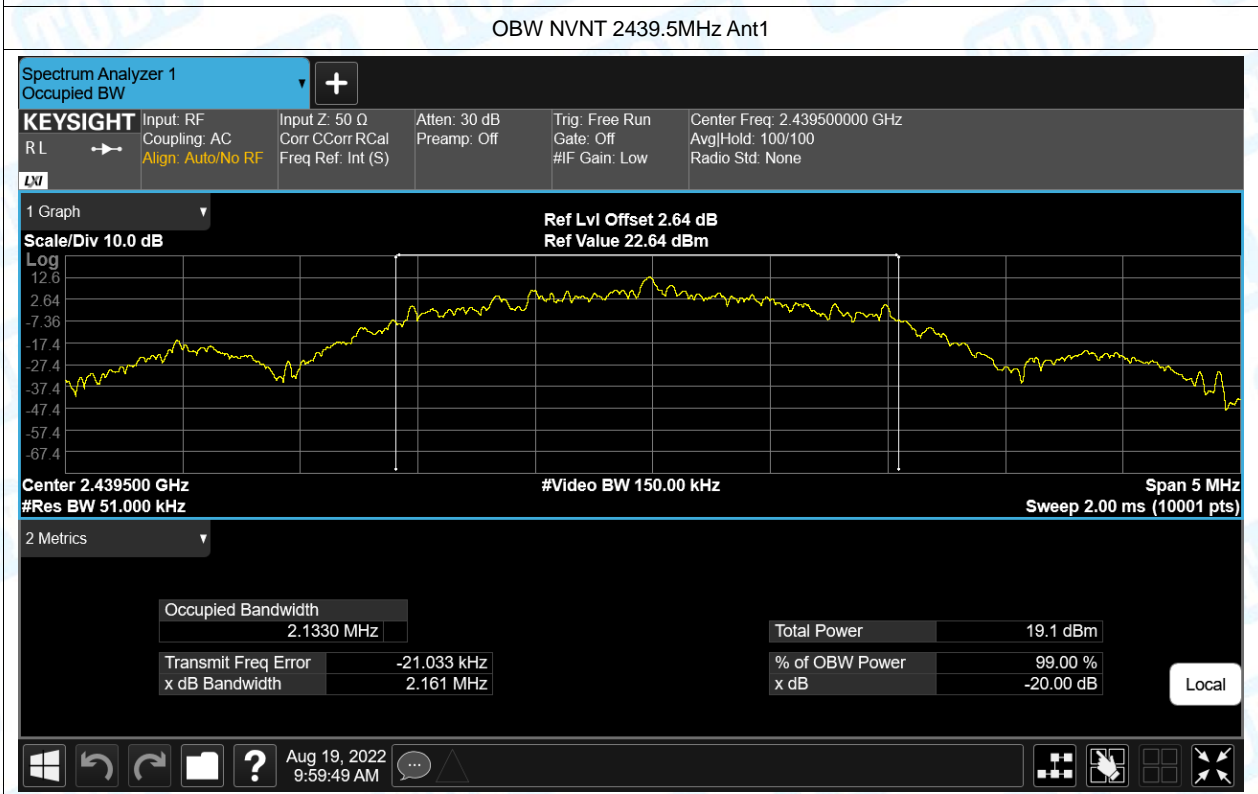
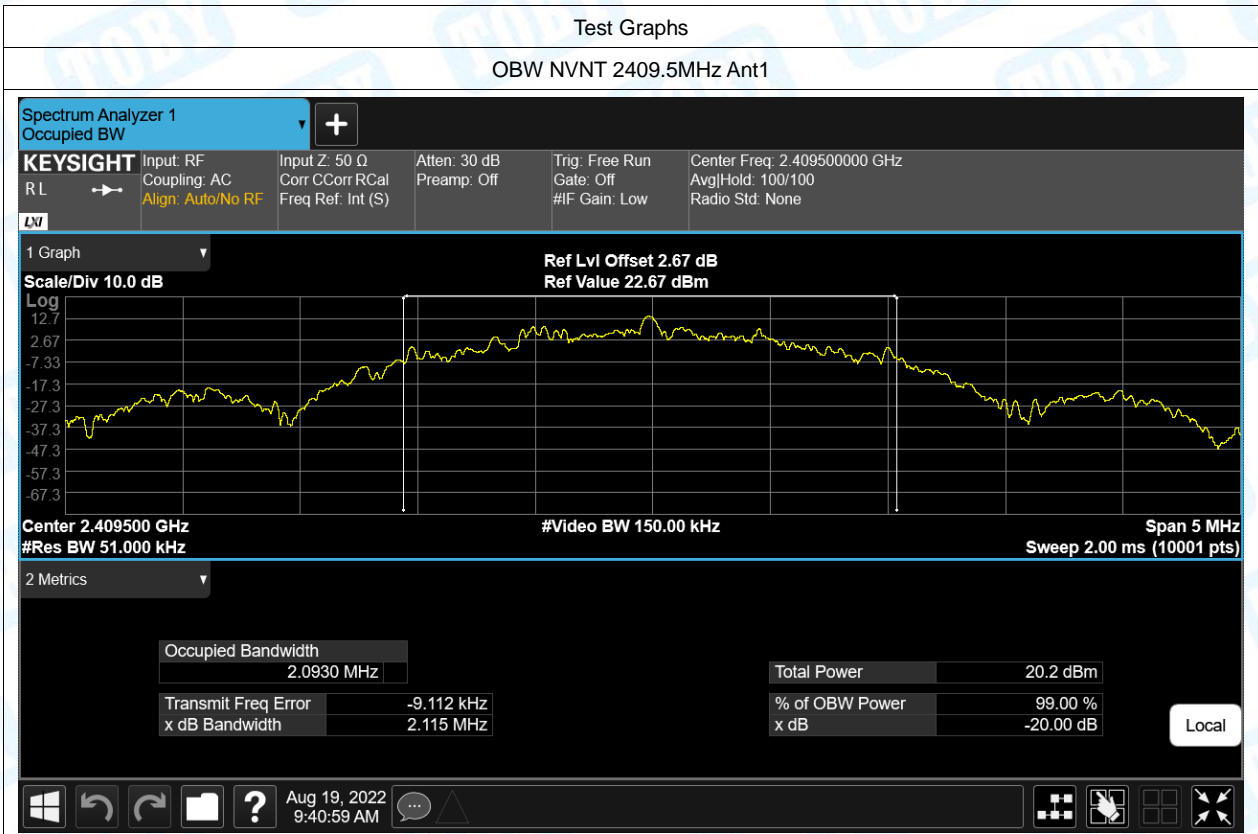
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	GFSK	2409.5	Ant1	2.06	0	Pass
NVNT	GFSK	2439.5	Ant1	2.18	0	Pass
NVNT	GFSK	2468	Ant1	2.2	0	Pass

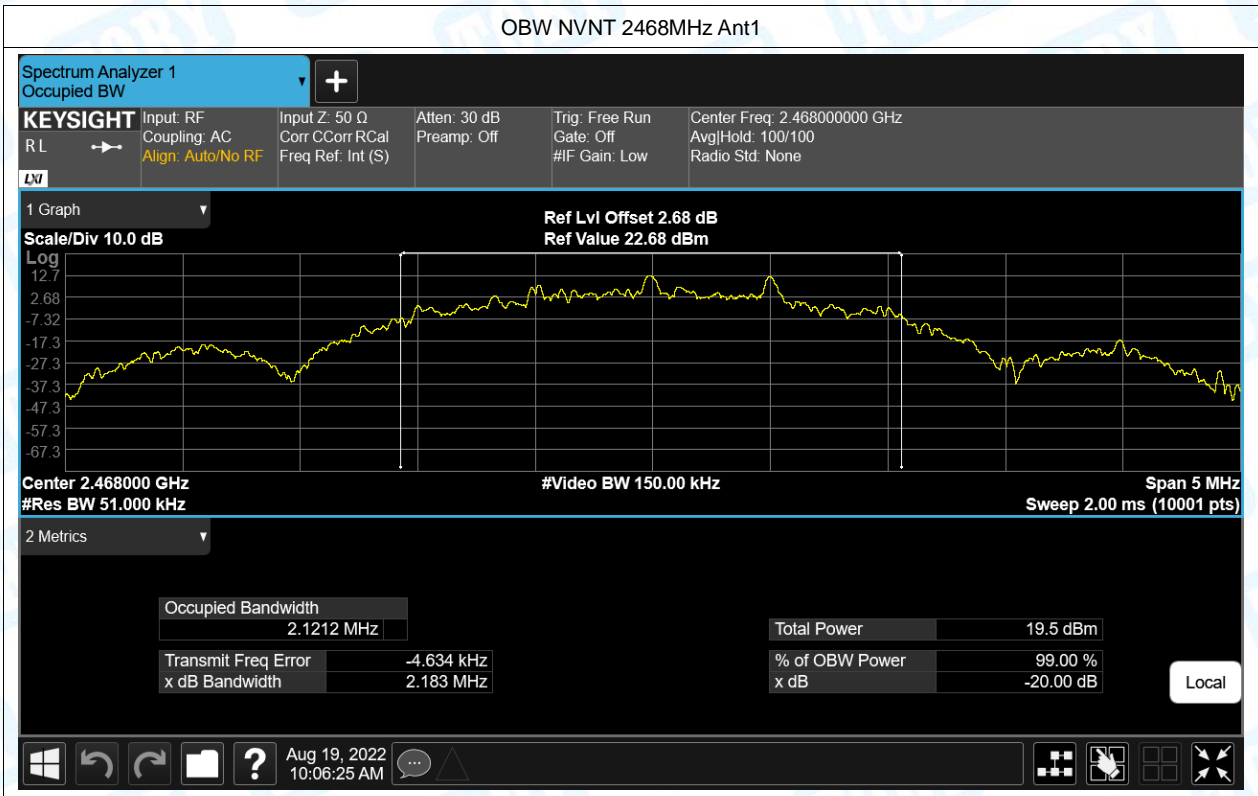




4. Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	GFSK	2409.5	Ant1	2.093
NVNT	GFSK	2439.5	Ant1	2.133
NVNT	GFSK	2468	Ant1	2.121



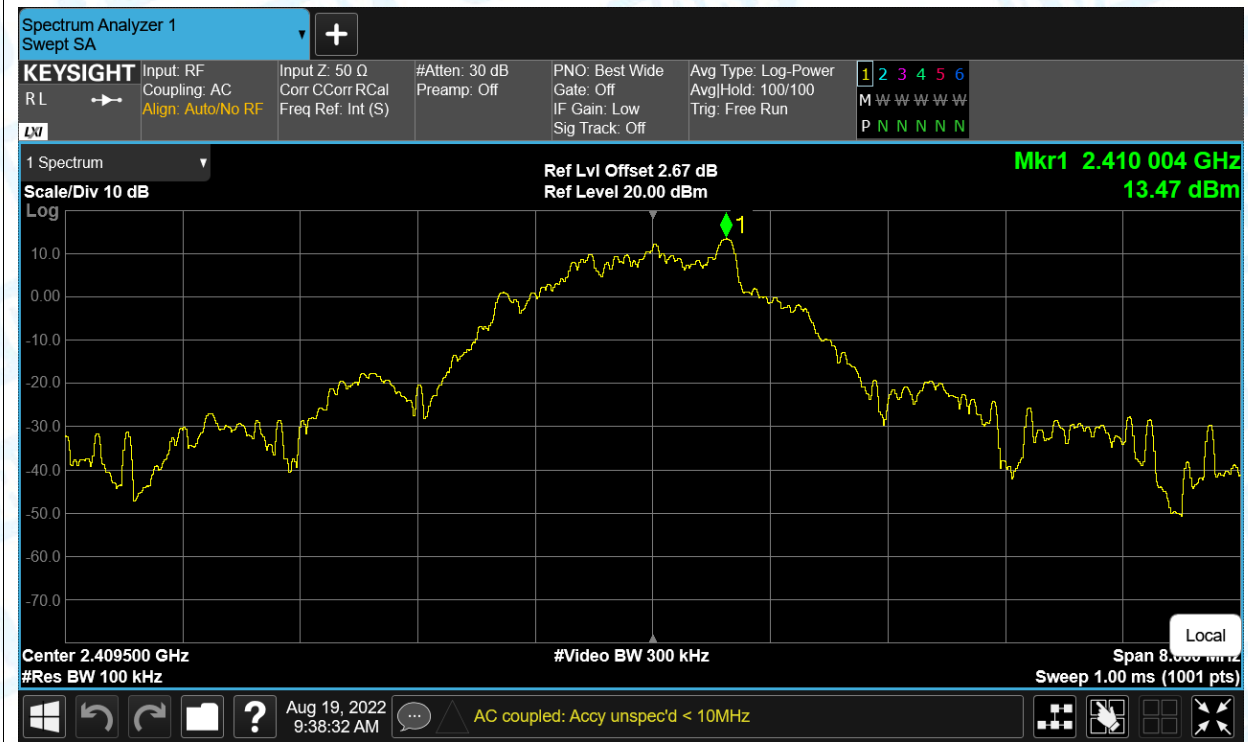


5. Band Edge

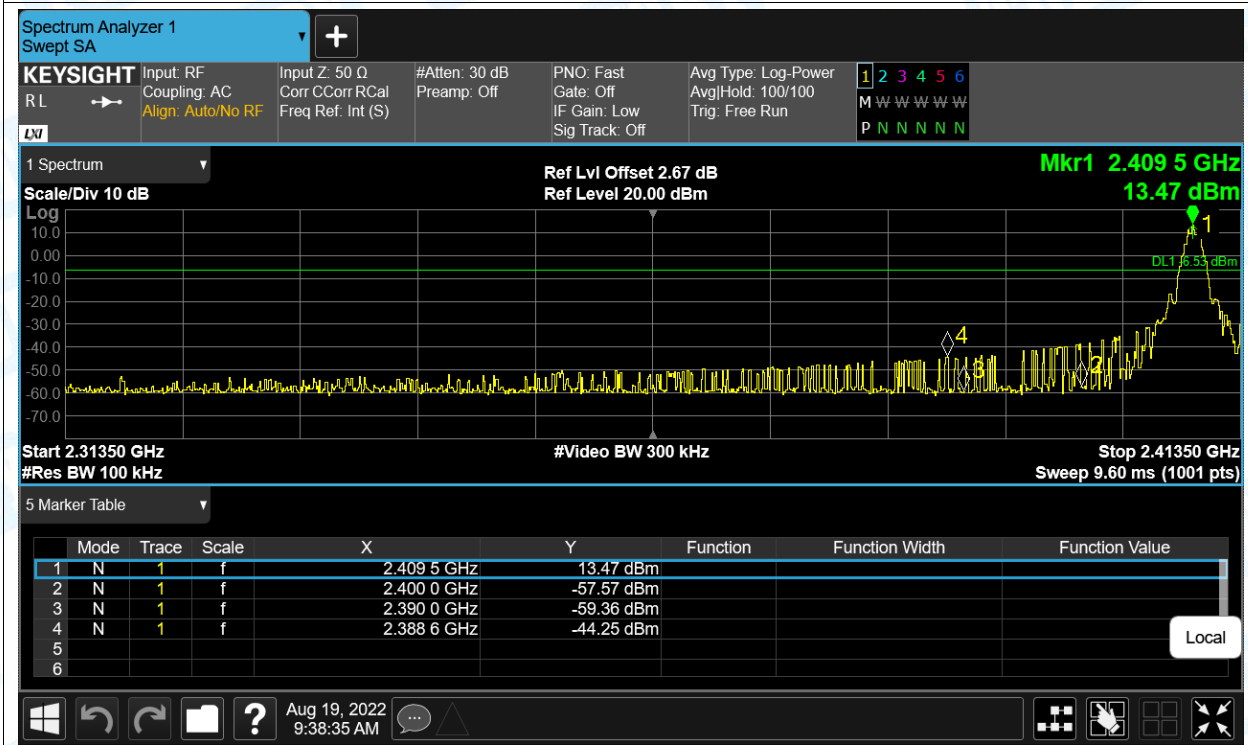
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	GFSK	2409.5	Ant1	No-Hopping	-57.72	-20	Pass
NVNT	GFSK	2468	Ant1	No-Hopping	-56.58	-20	Pass

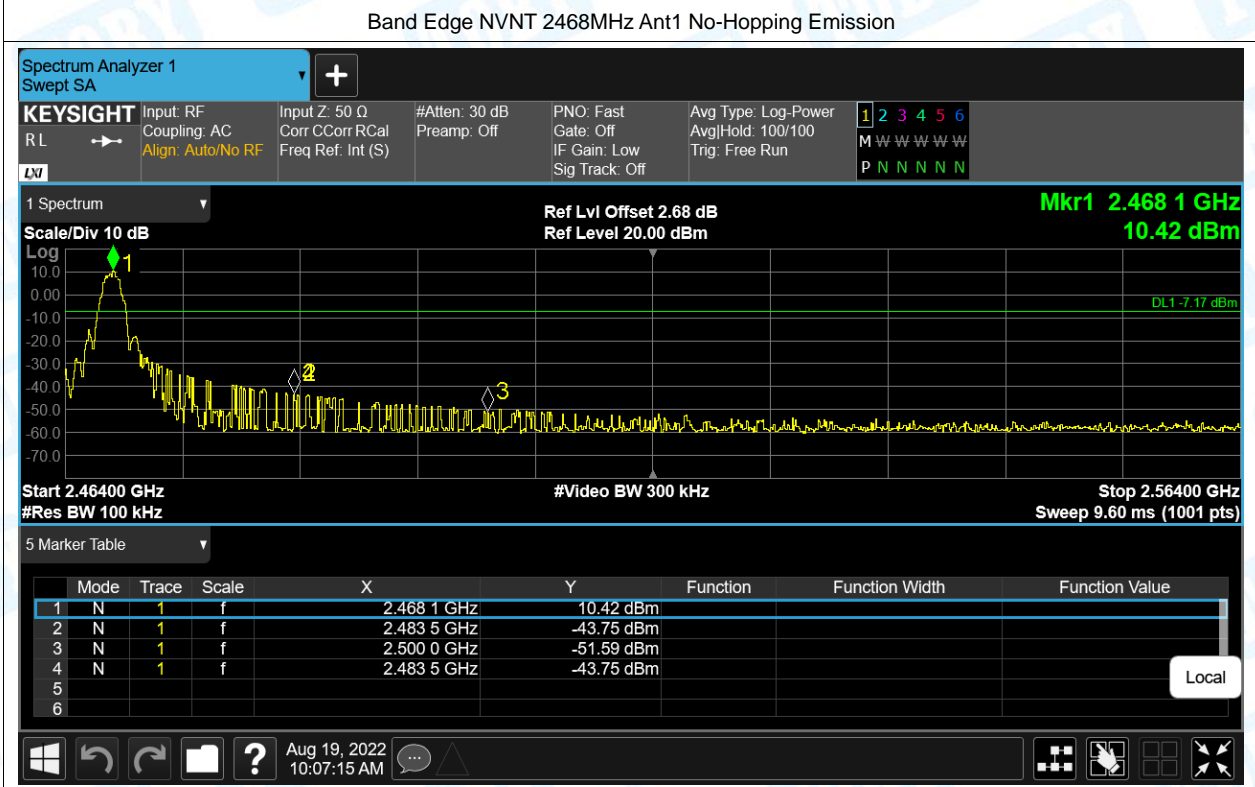
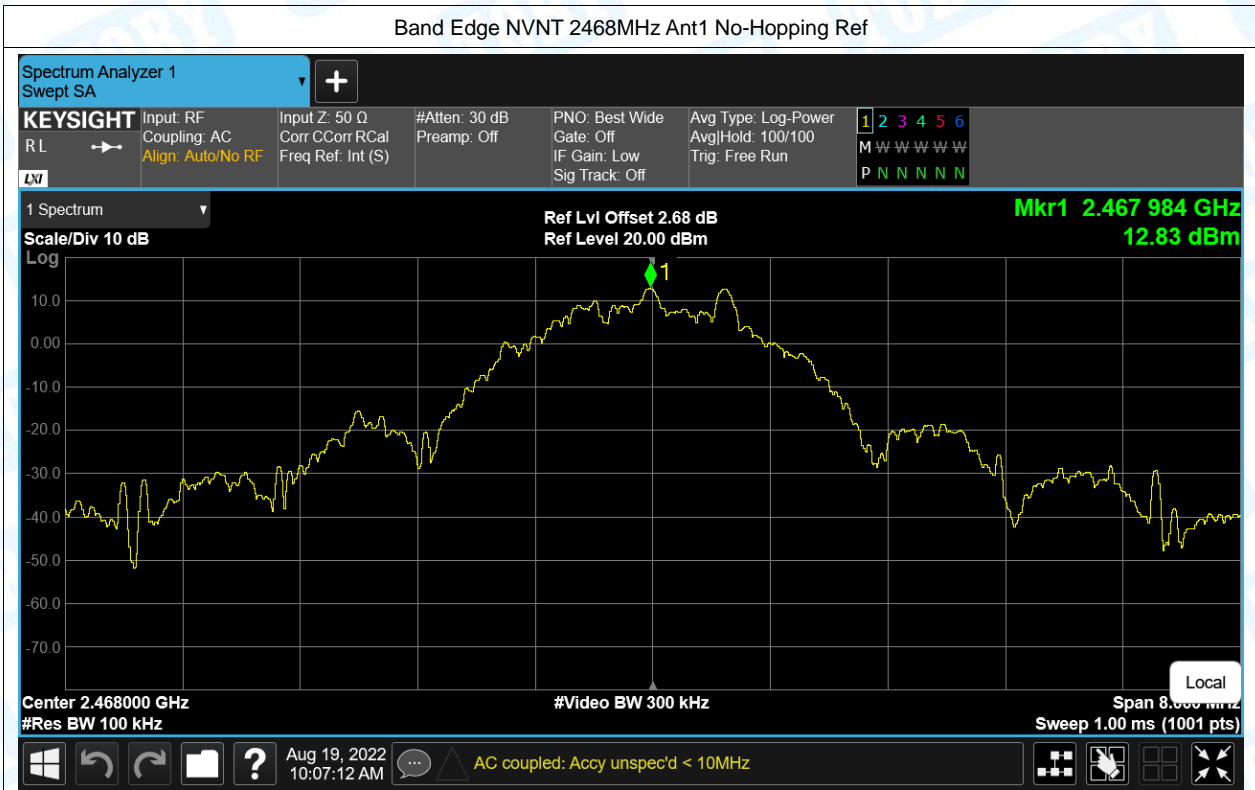
Test Graphs

Band Edge NVNT 2409.5MHz Ant1 No-Hopping Ref



Band Edge NVNT 2409.5MHz Ant1 No-Hopping Emission



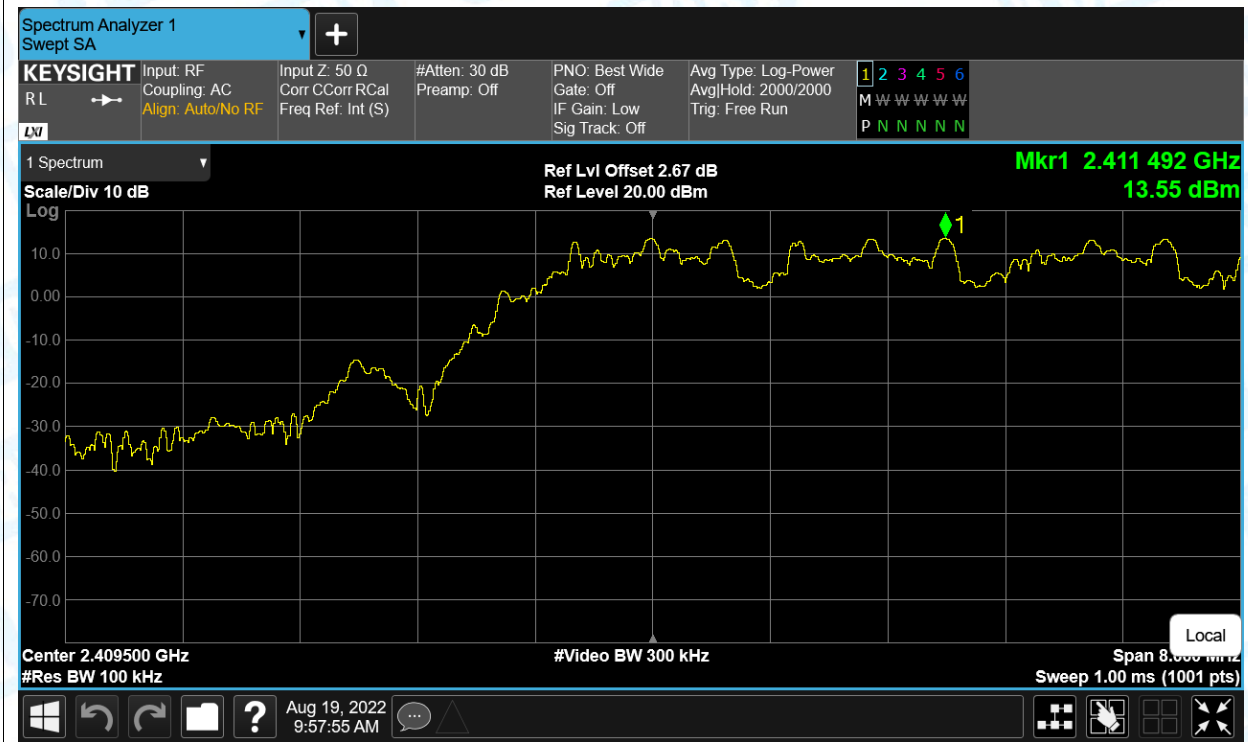


6. Band Edge(Hopping)

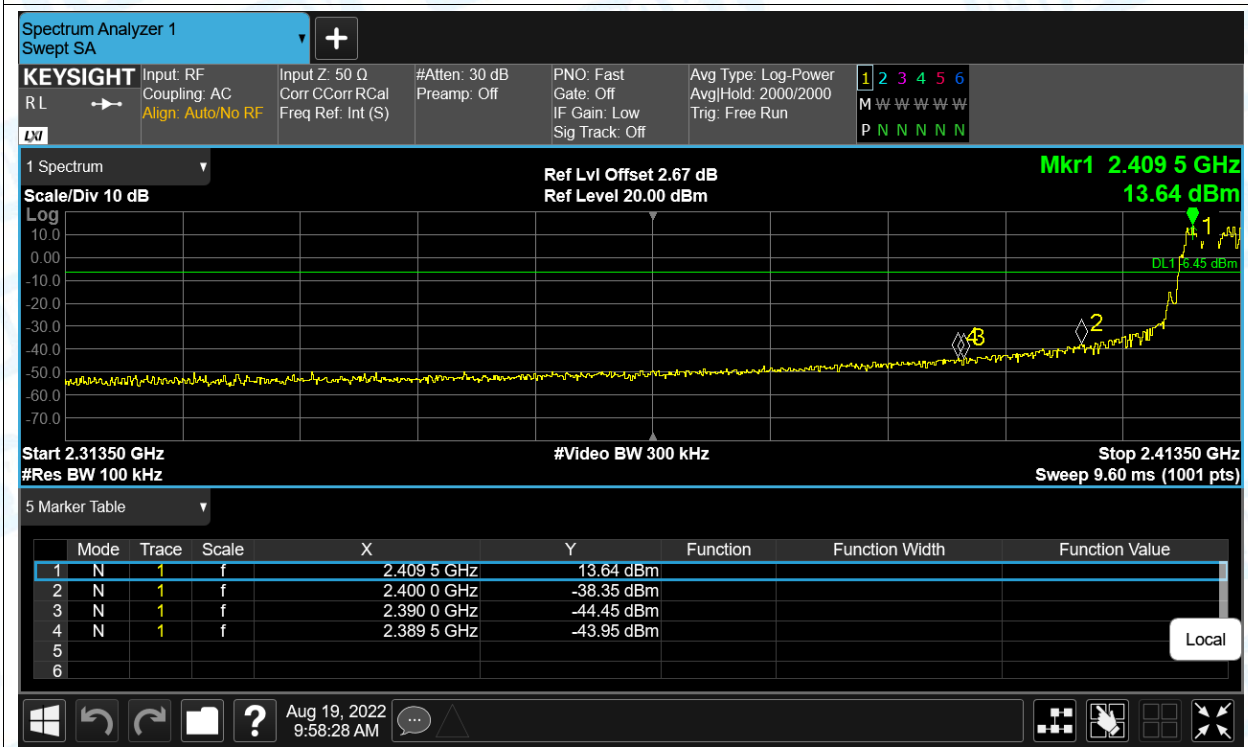
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	GFSK	2409.5	Ant1	Hopping	-57.5	-20	Pass
NVNT	GFSK	2468	Ant1	Hopping	-55.78	-20	Pass

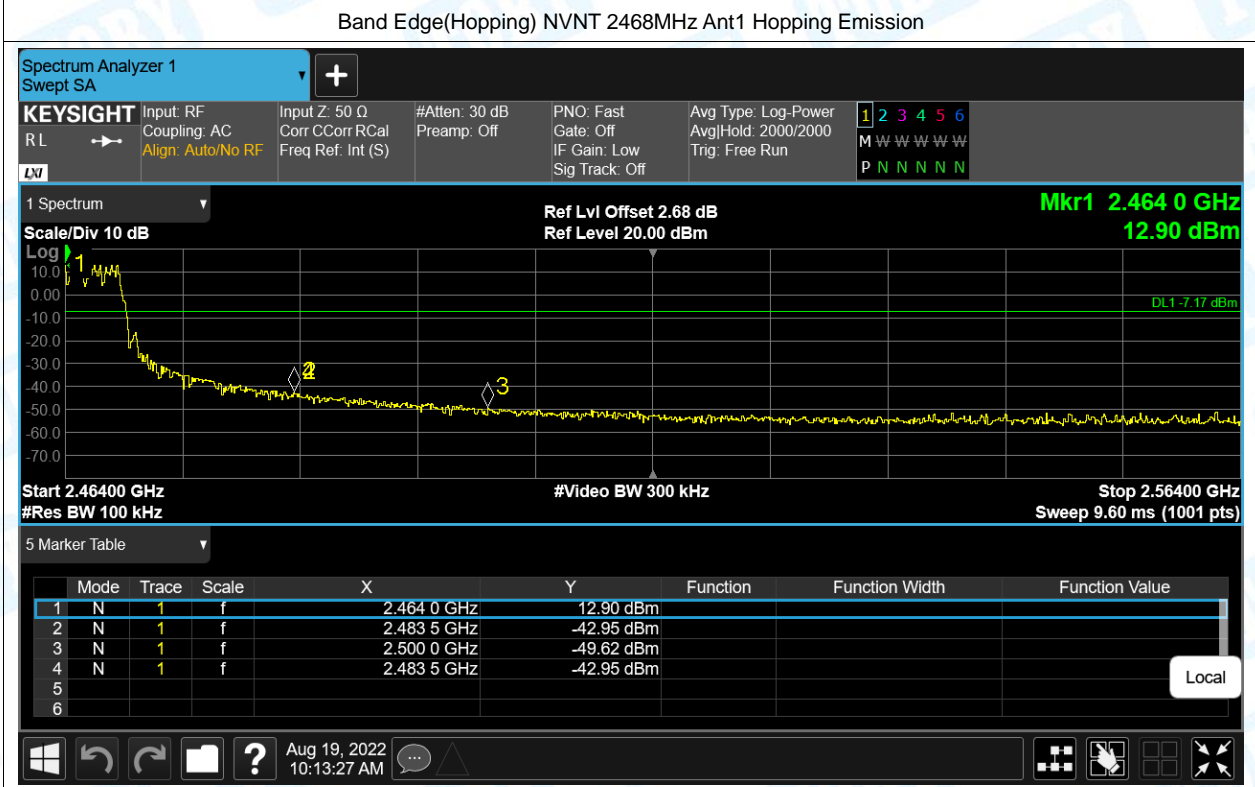
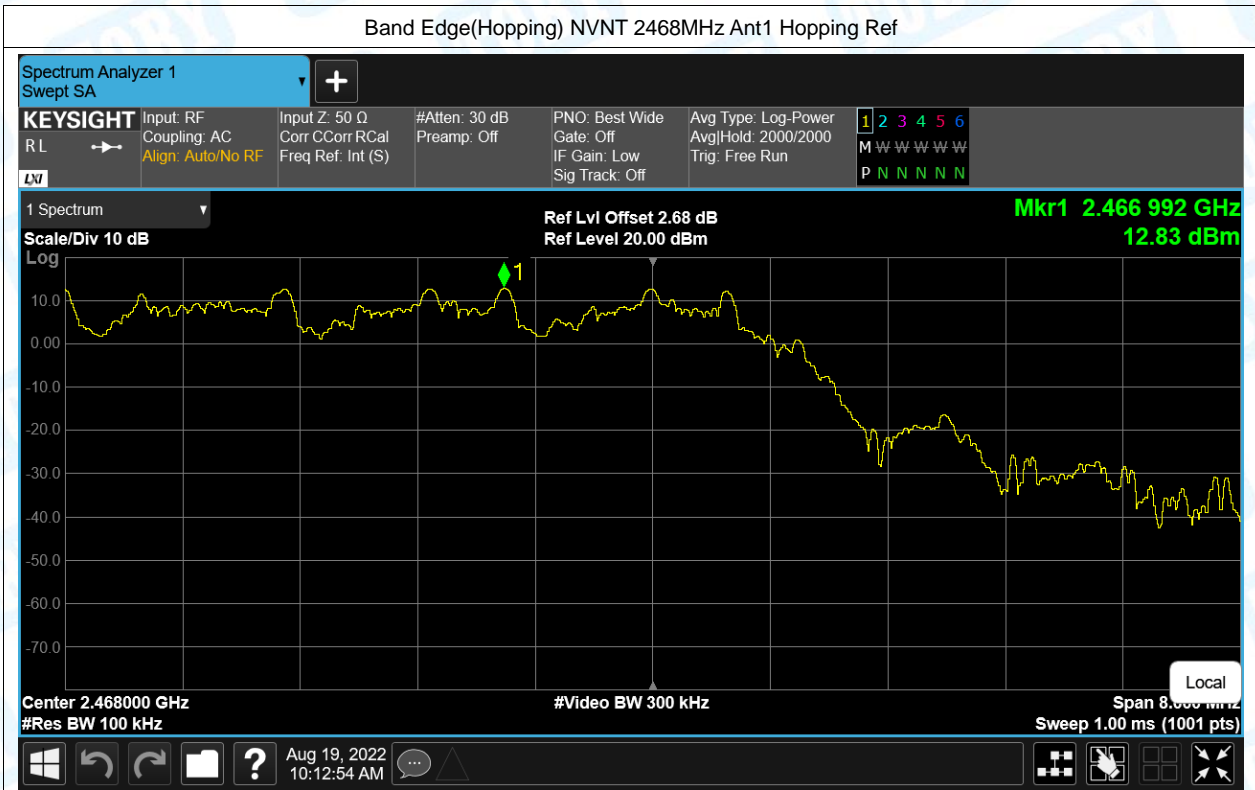
Test Graphs

Band Edge(Hopping) NVNT 2409.5MHz Ant1 Hopping Ref



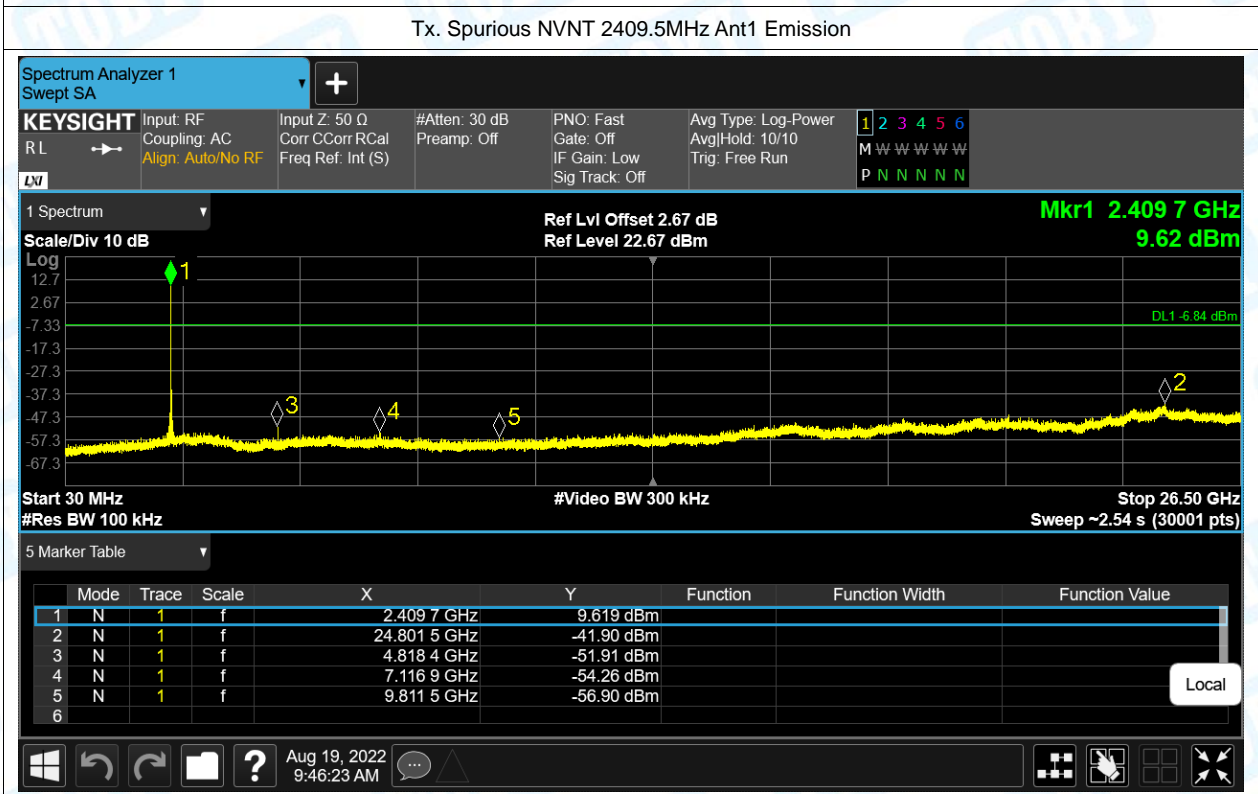
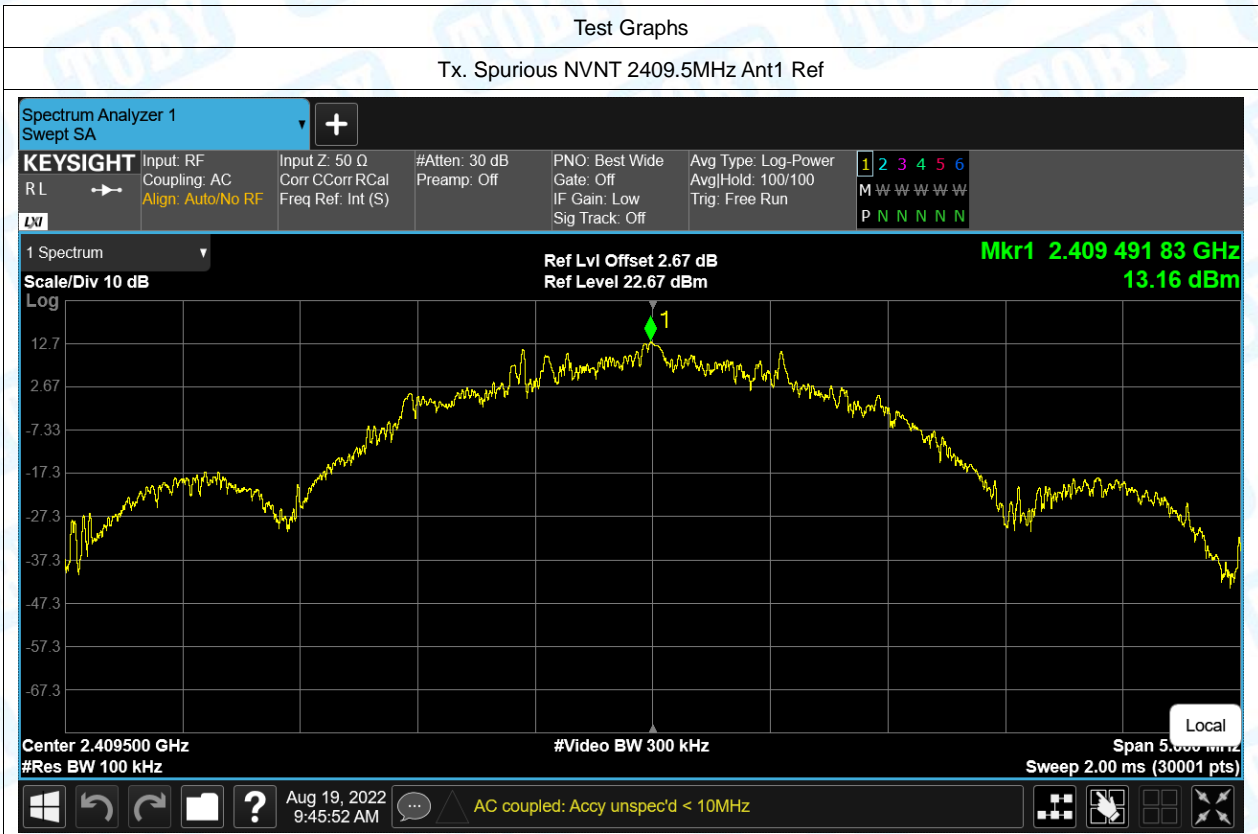
Band Edge(Hopping) NVNT 2409.5MHz Ant1 Hopping Emission



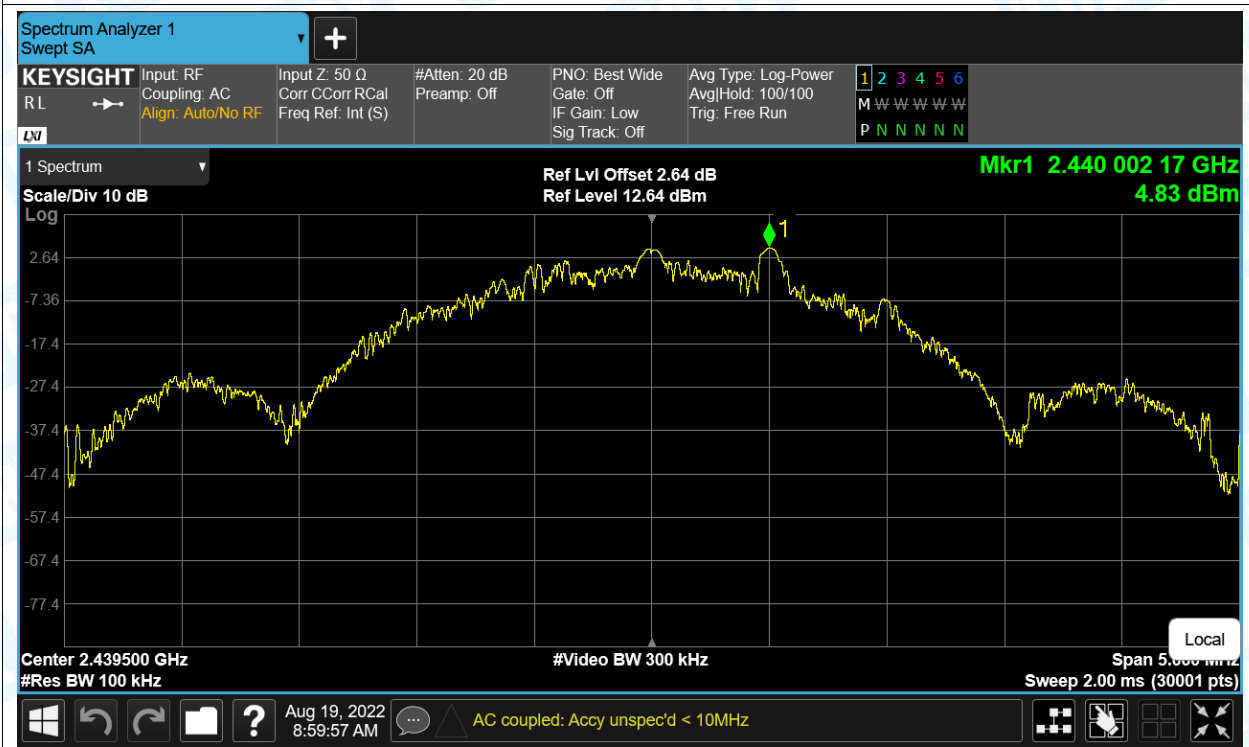


7. Conducted RF Spurious Emission

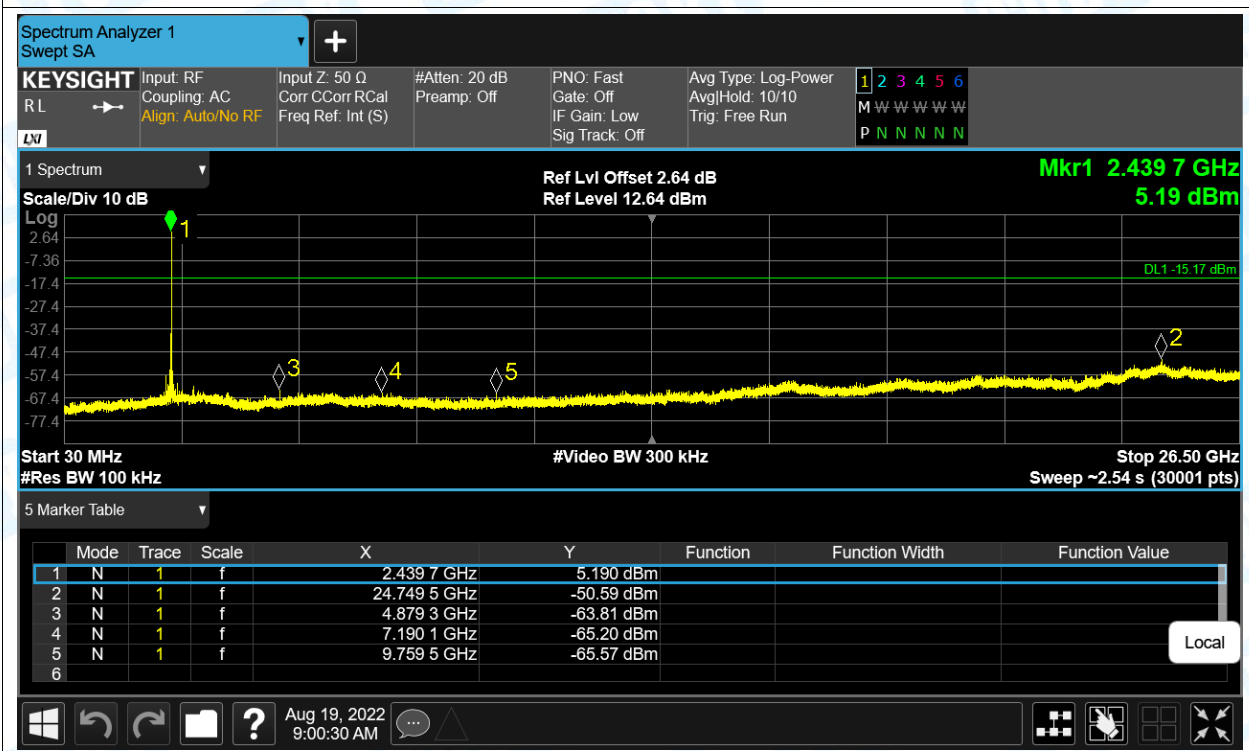
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	GFSK	2409.5	Ant1	-55.06	-20	Pass
NVNT	GFSK	2439.5	Ant1	-55.42	-20	Pass
NVNT	GFSK	2468	Ant1	-54.92	-20	Pass

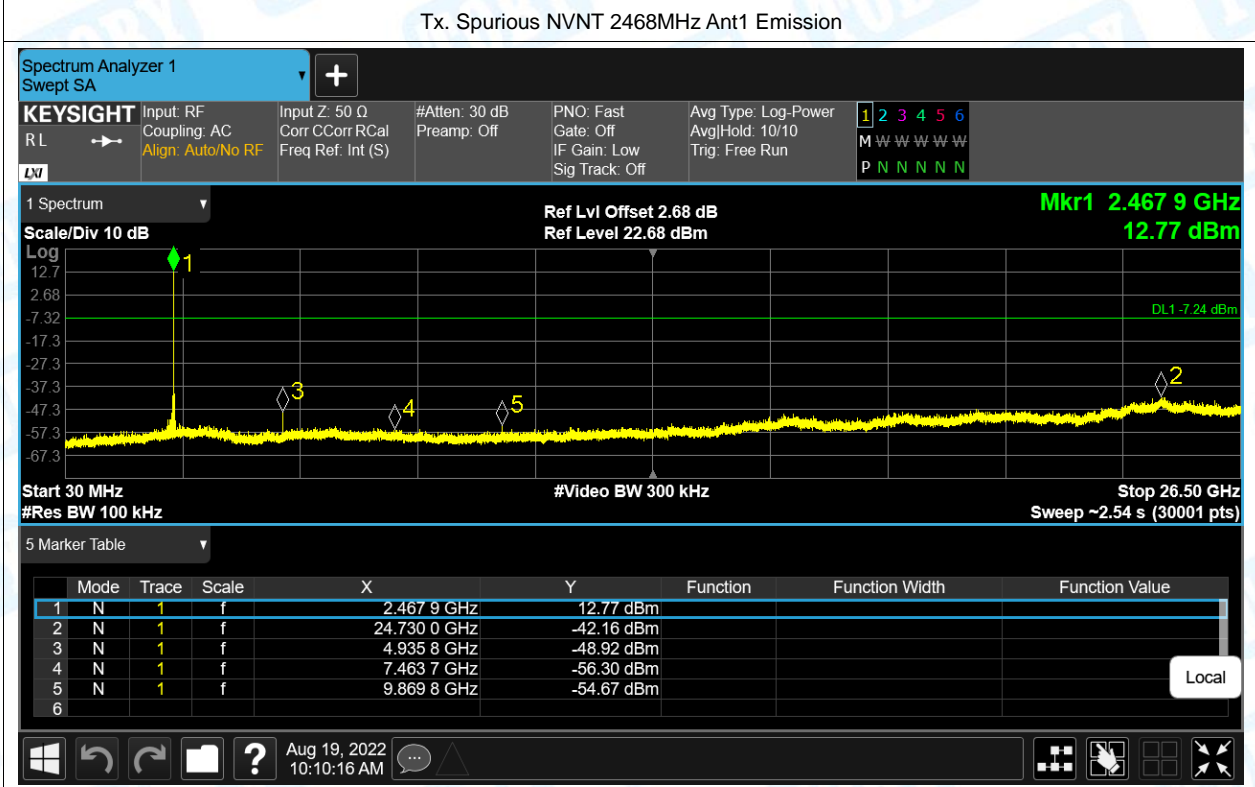
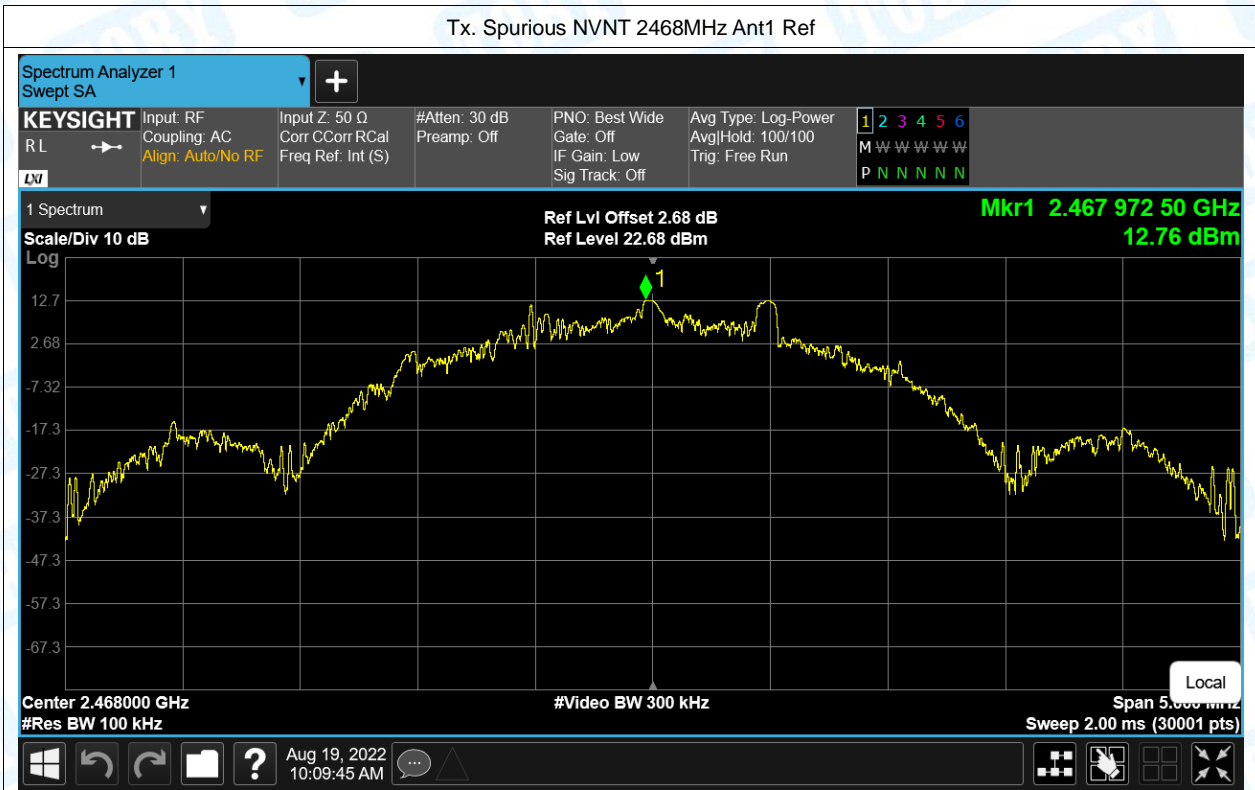


Tx. Spurious NVNT user 2439.5MHz Ant1 Ref



Tx. Spurious NVNT user 2439.5MHz Ant1 Emission



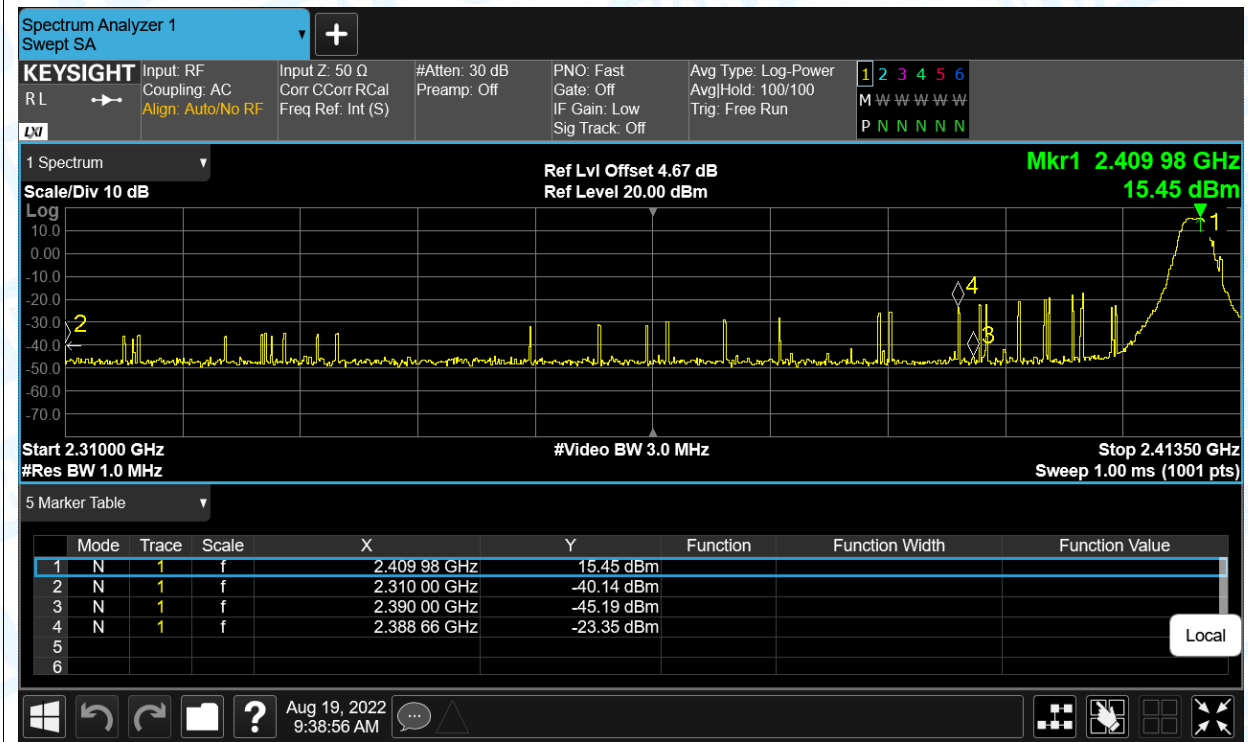


8. Restrict Band

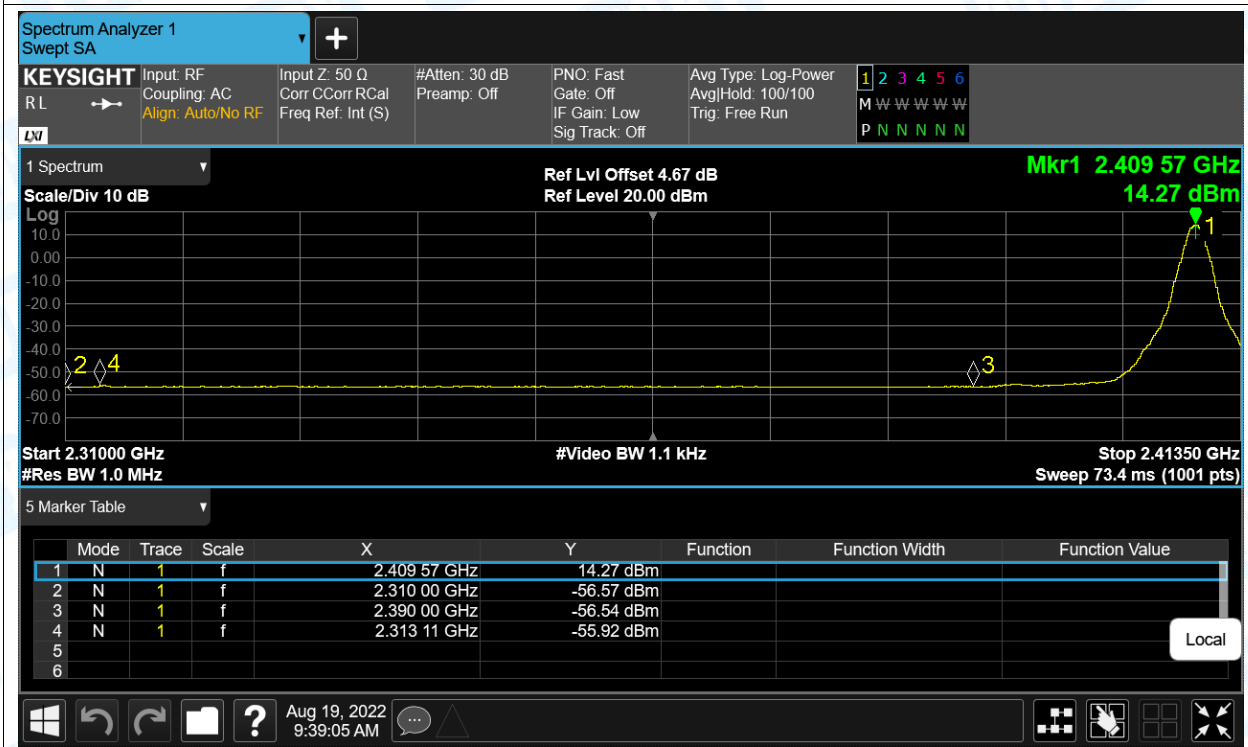
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	GFSK	2409.5	Ant1	No-Hopping	2310	-40.14	2	57.12	Peak	74	Pass
NVNT	GFSK	2409.5	Ant1	No-Hopping	2310	-56.57	2	40.69	Average	54	Pass
NVNT	GFSK	2409.5	Ant1	No-Hopping	2388.66	-23.35	2	73.91	Peak	74	Pass
NVNT	GFSK	2409.5	Ant1	No-Hopping	2313.105	-55.92	2	41.34	Average	54	Pass
NVNT	GFSK	2409.5	Ant1	No-Hopping	2390	-45.19	2	52.07	Peak	74	Pass
NVNT	GFSK	2409.5	Ant1	No-Hopping	2390	-56.54	2	40.72	Average	54	Pass
NVNT	GFSK	2468	Ant1	No-Hopping	2483.5	-48.74	2	48.52	Peak	74	Pass
NVNT	GFSK	2468	Ant1	No-Hopping	2483.5	-56.09	2	41.17	Average	54	Pass
NVNT	GFSK	2468	Ant1	No-Hopping	2486.248	-23.46	2	73.8	Peak	74	Pass
NVNT	GFSK	2468	Ant1	No-Hopping	2484.124	-55.75	2	41.51	Average	54	Pass
NVNT	GFSK	2468	Ant1	No-Hopping	2500	-46.8	2	50.46	Peak	74	Pass
NVNT	GFSK	2468	Ant1	No-Hopping	2500	-56.21	2	41.05	Average	54	Pass

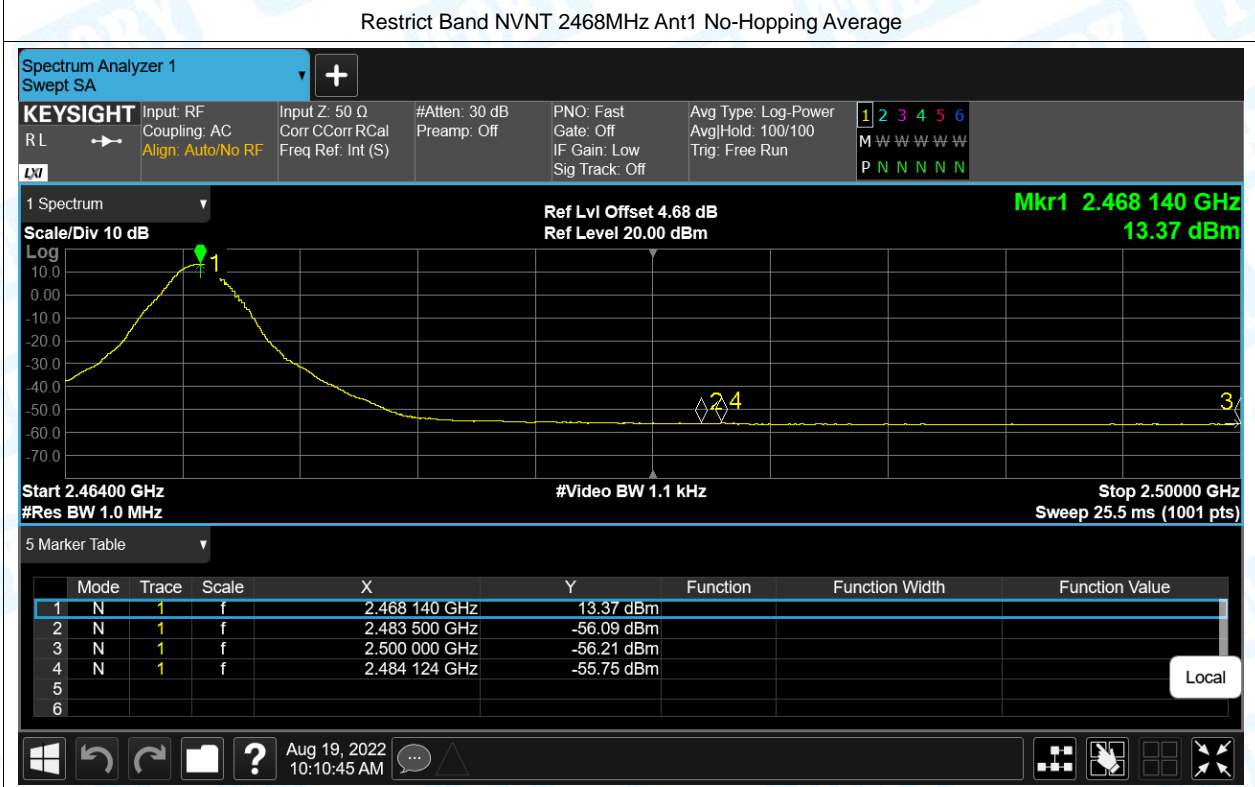
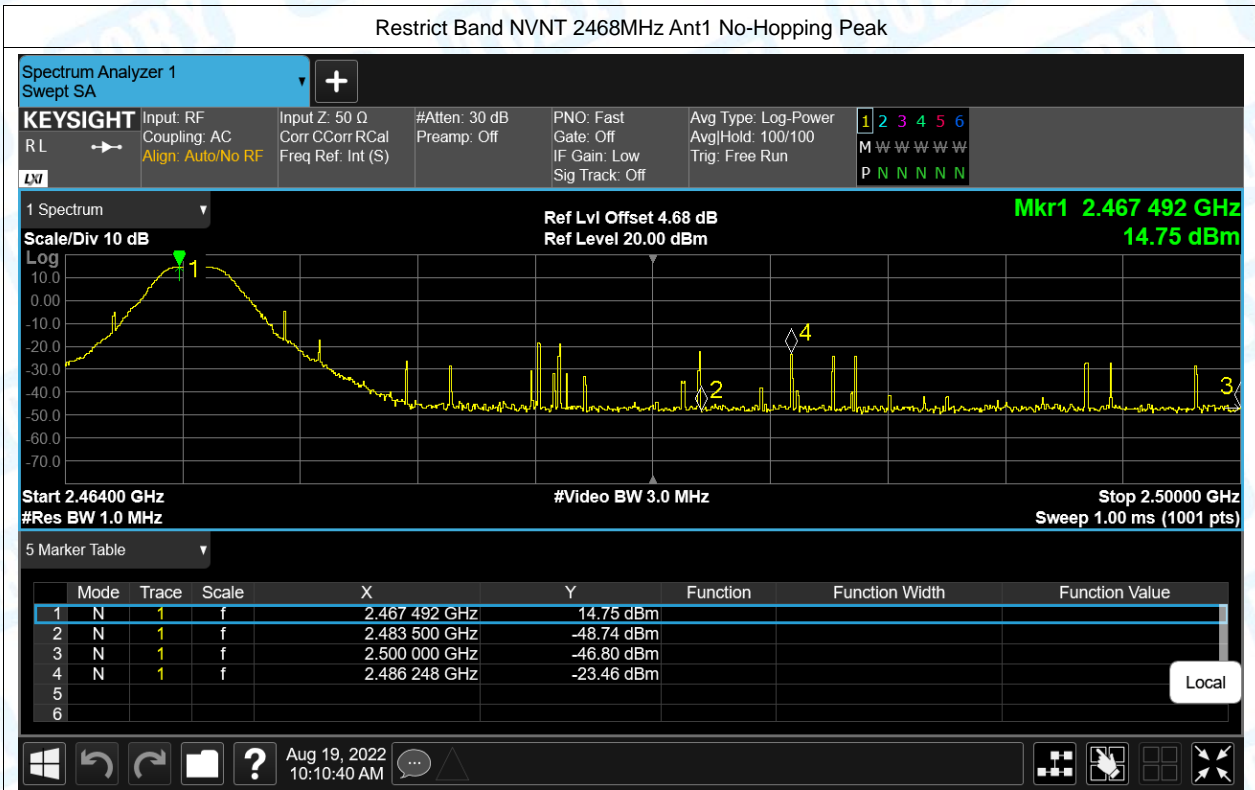
Test Graphs

Restrict Band NVNT 2409.5MHz Ant1 No-Hopping Peak



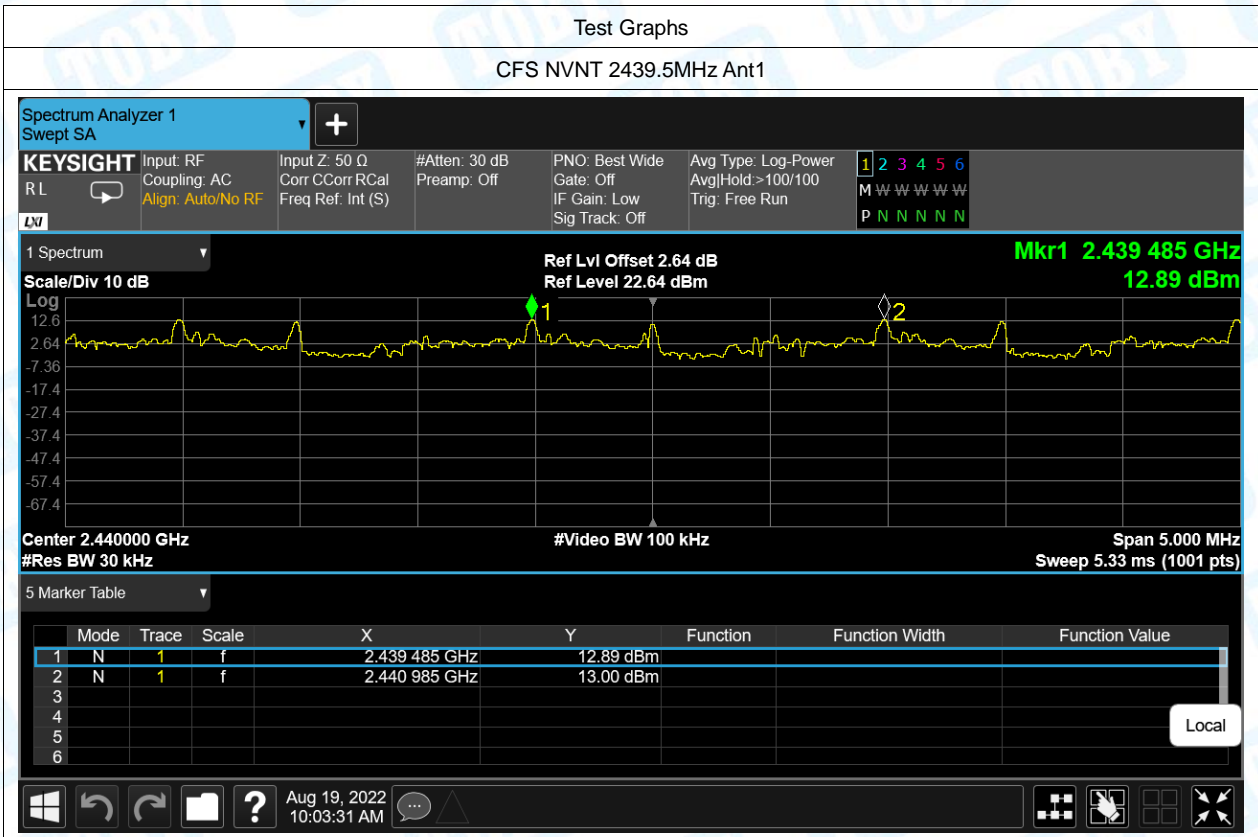
Restrict Band NVNT 2409.5MHz Ant1 No-Hopping Average





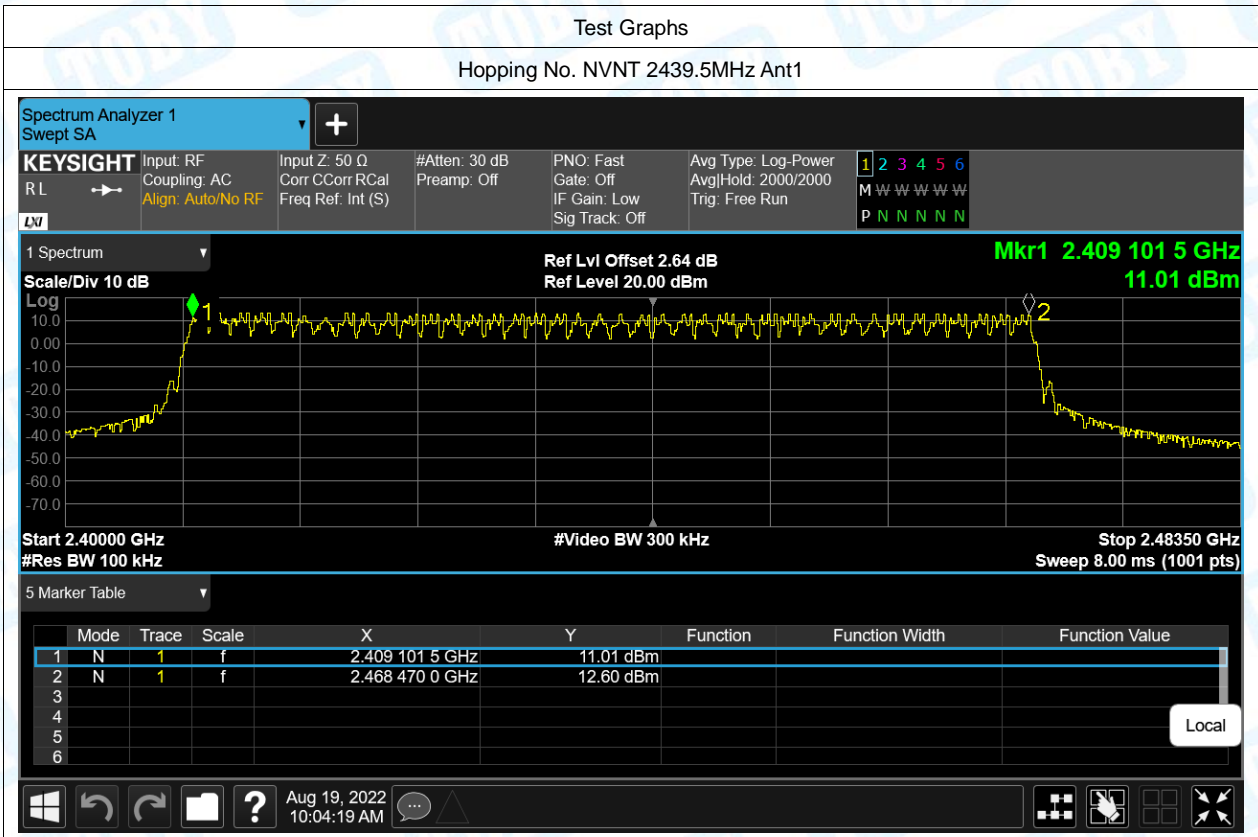
9. Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	GFSK	Ant1	2439.485	2440.985	1.5	1.453	Pass



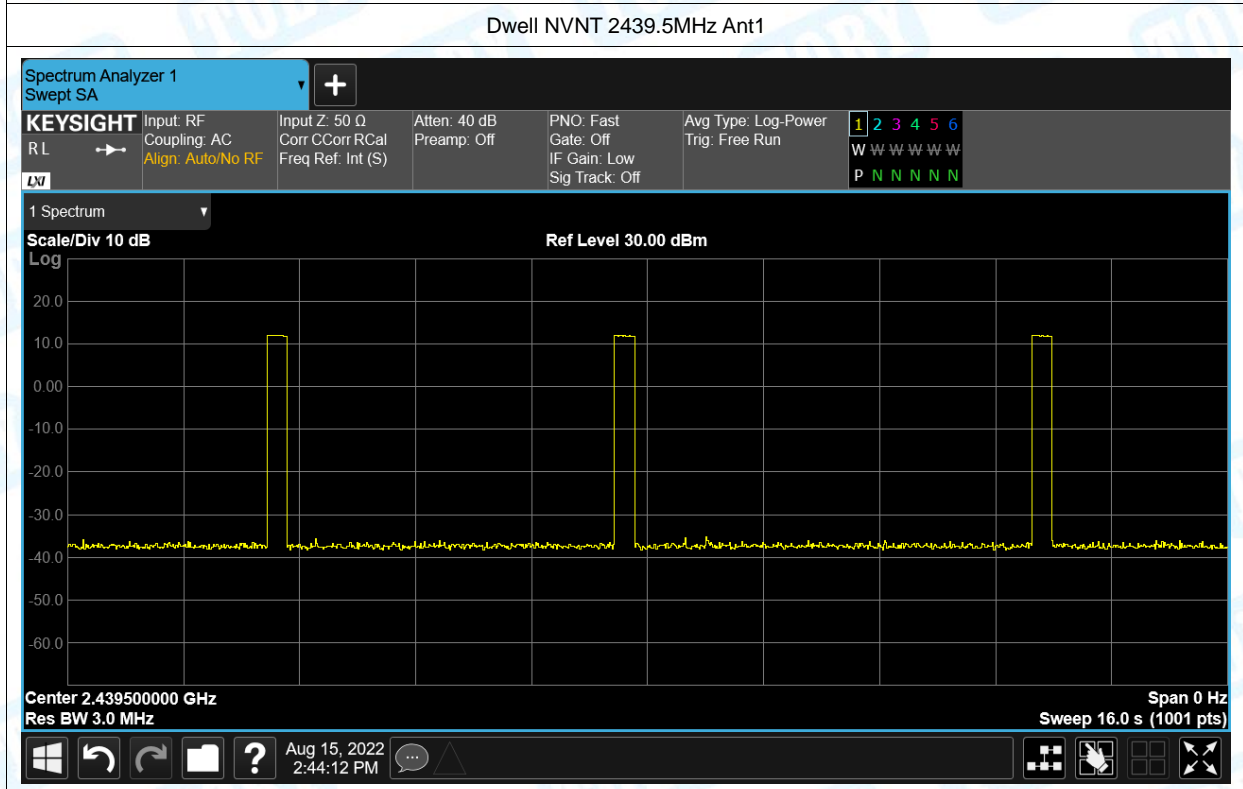
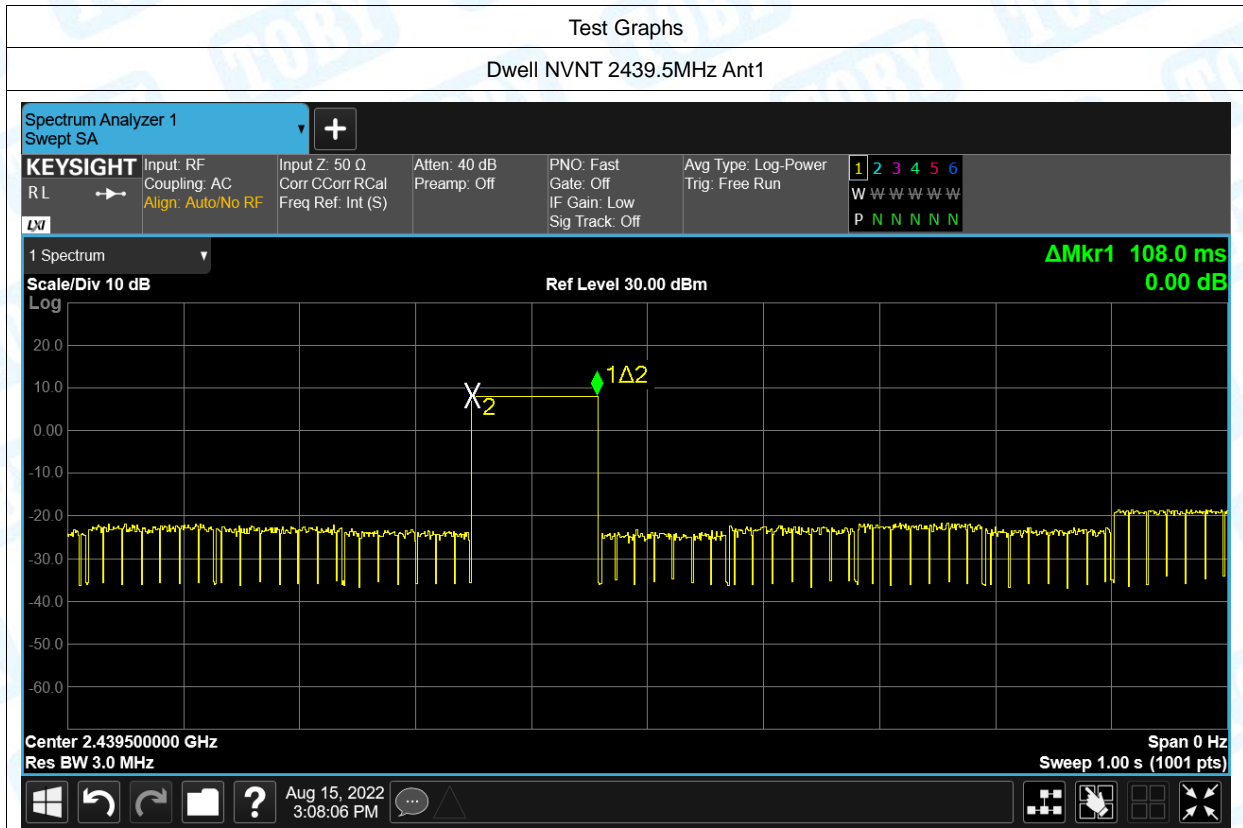
10. Number of Hopping Channel

Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	GFSK	Ant1	40	15	Pass



11.Dwell Time

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Period Time (ms)	Limit (ms)	Verdict
NVNT	GFSK	2442	Ant1	108	324	31600	400	Pass



-----End of the report-----