

RF Test Data for 2.4G

(Conducted Measurements)

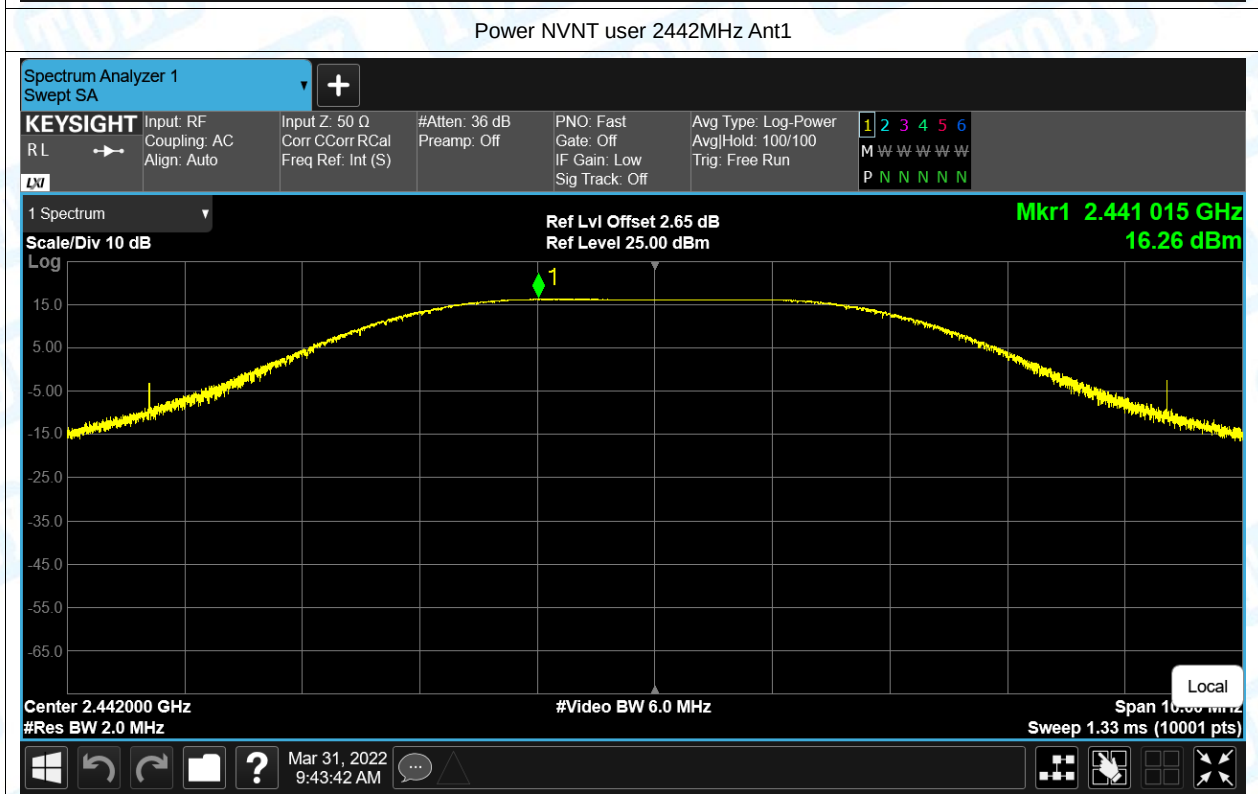
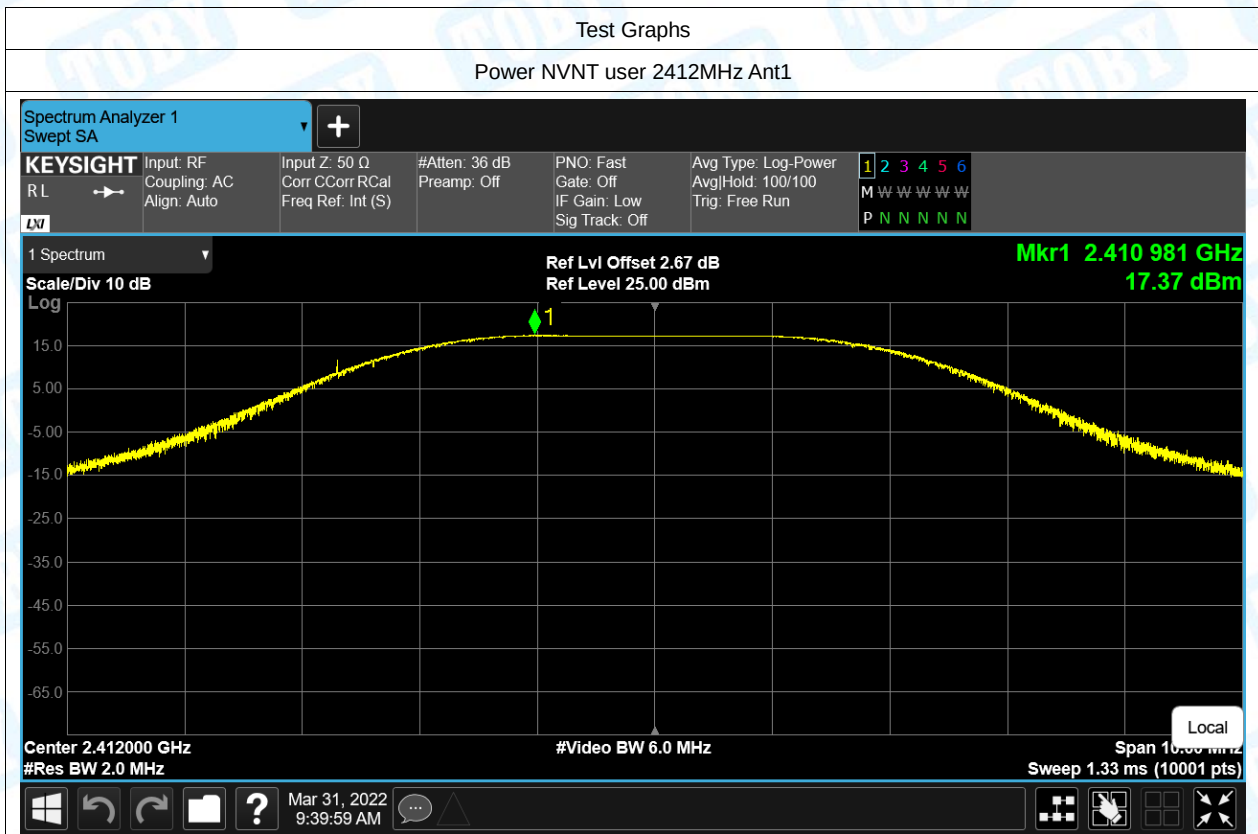
General Description of EUT	
Product Name:	2.4GHz Digital Wireless Video Baby Monitor
FCC ID Test Model:	HB6351
IC Test Model:	HB6351RX
Sample ID:	202203-0083-1_4
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz
Test Engineer:	HEJINGCHANG
Note: For a more detailed features description, please refer to the report TBR-C-202203-0083-3&TBR-C-202203-0083-4	

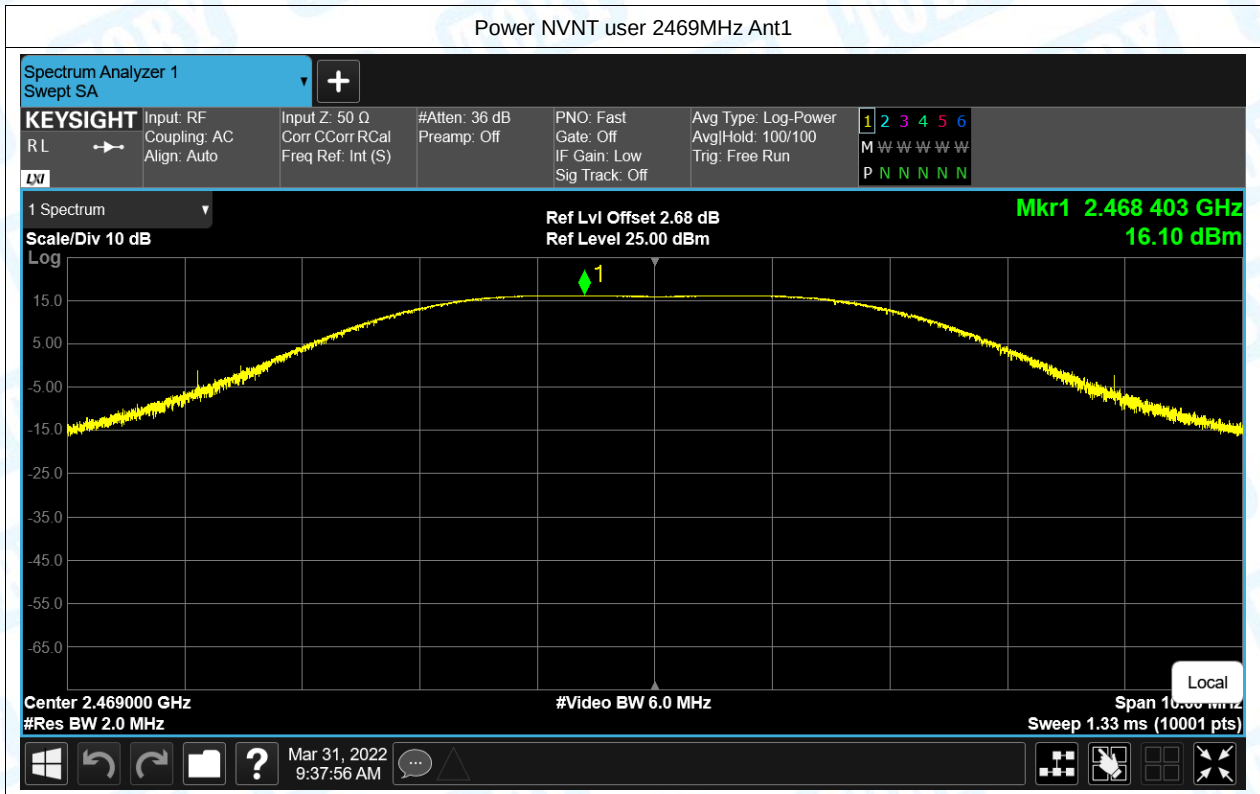
Contents

- 1.Maximum Conducted Output Power3
- 2.-20dB Bandwidth6
- 3.Occupied Channel Bandwidth9
- 4.Band Edge12
- 5.Band Edge(Hopping).....15
- 6.Conducted RF Spurious Emission18
- 7.Restrict Band22
- 8.Carrier Frequencies Separation25
- 9.Number of Hopping Channel27
- 10.Dwell Time.....29

1.Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	GFSK	2412	Ant1	17.366	21	Pass
NVNT	GFSK	2442	Ant1	16.256	21	Pass
NVNT	GFSK	2469	Ant1	16.099	21	Pass



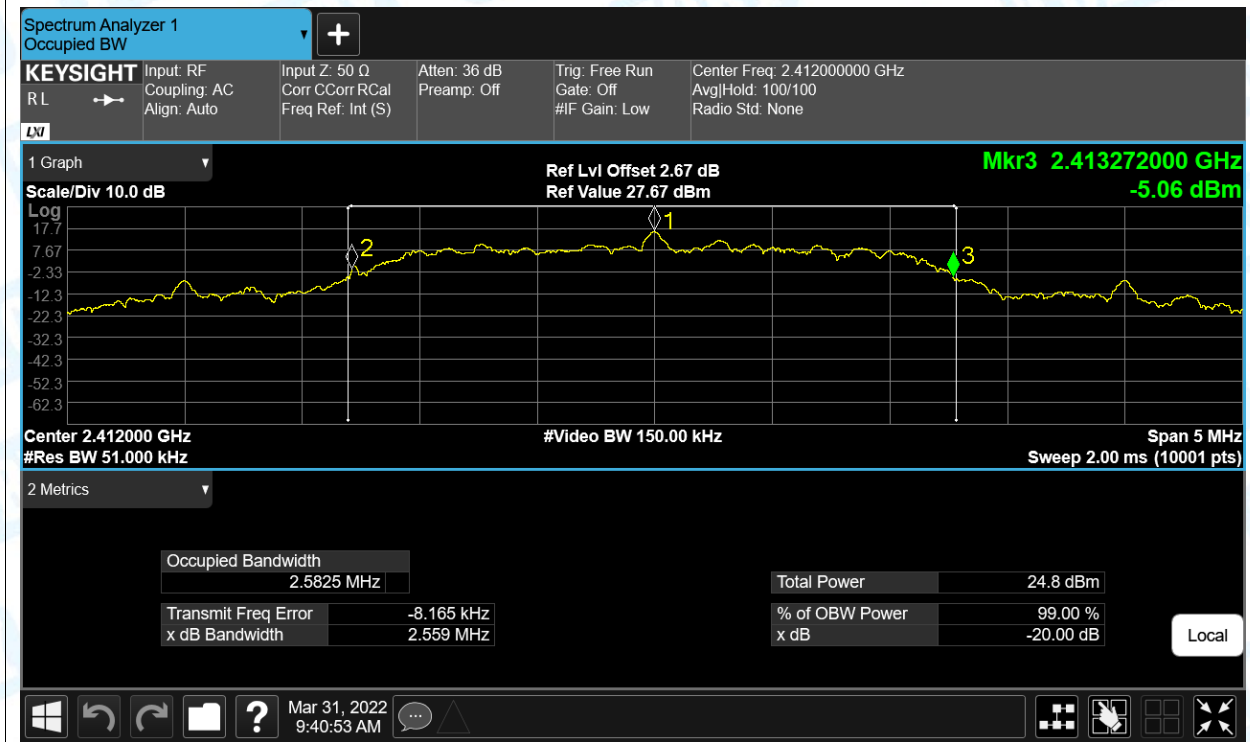


2.-20dB Bandwidth

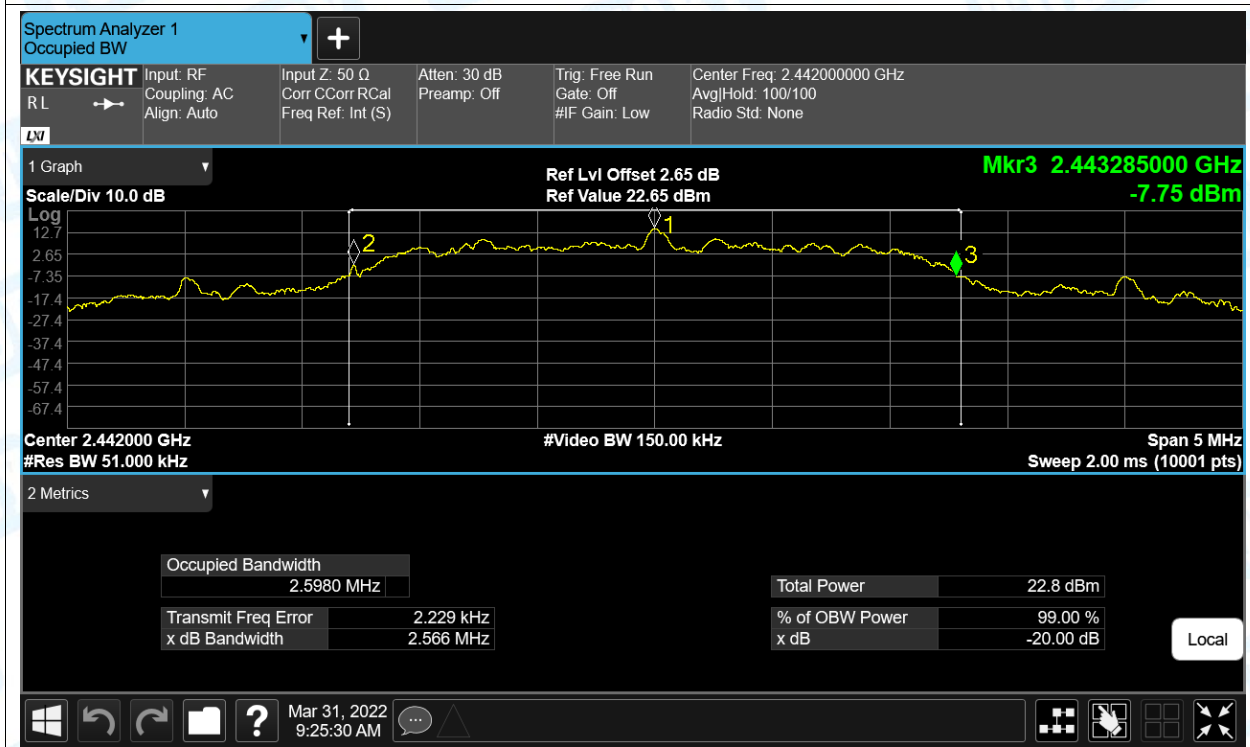
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	GFSK	2412	Ant1	2.56	0	Pass
NVNT	GFSK	2442	Ant1	2.57	0	Pass
NVNT	GFSK	2469	Ant1	2.53	0	Pass

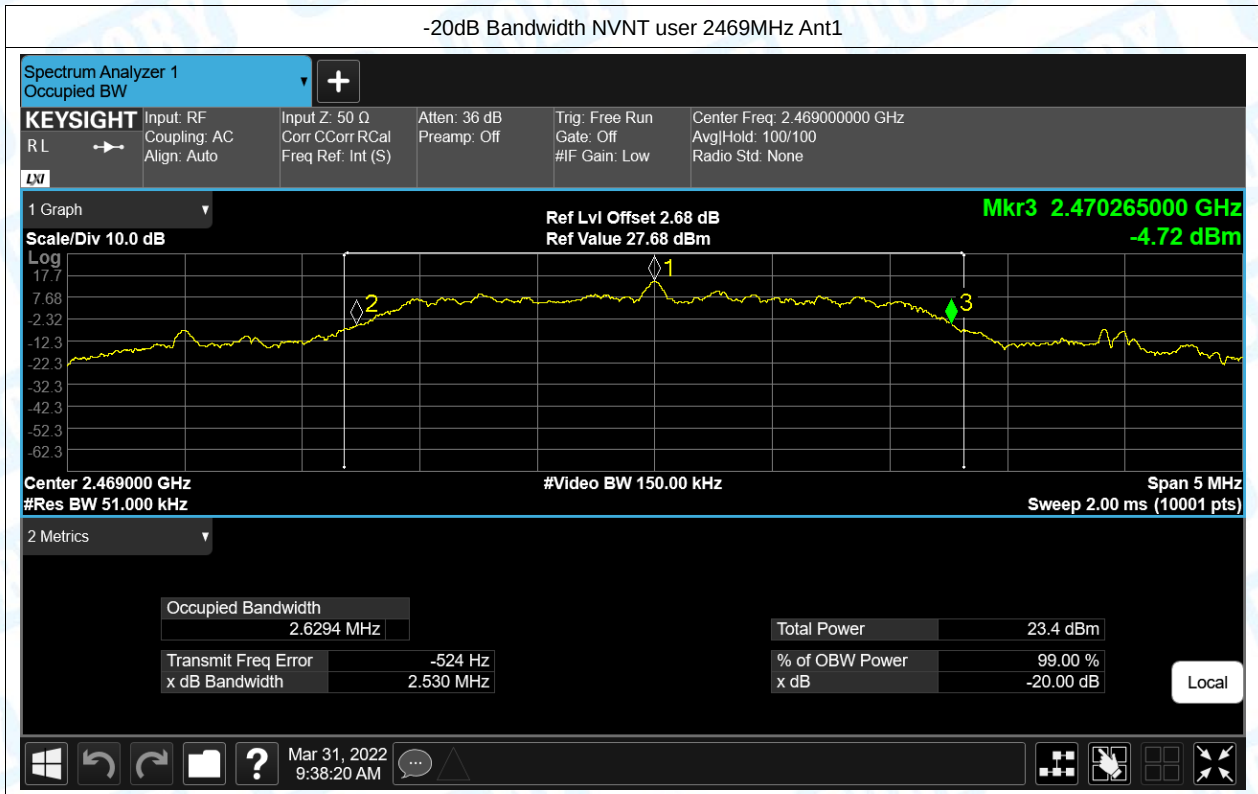
Test Graphs

-20dB Bandwidth NVNT user 2412MHz Ant1



-20dB Bandwidth NVNT user 2442MHz Ant1



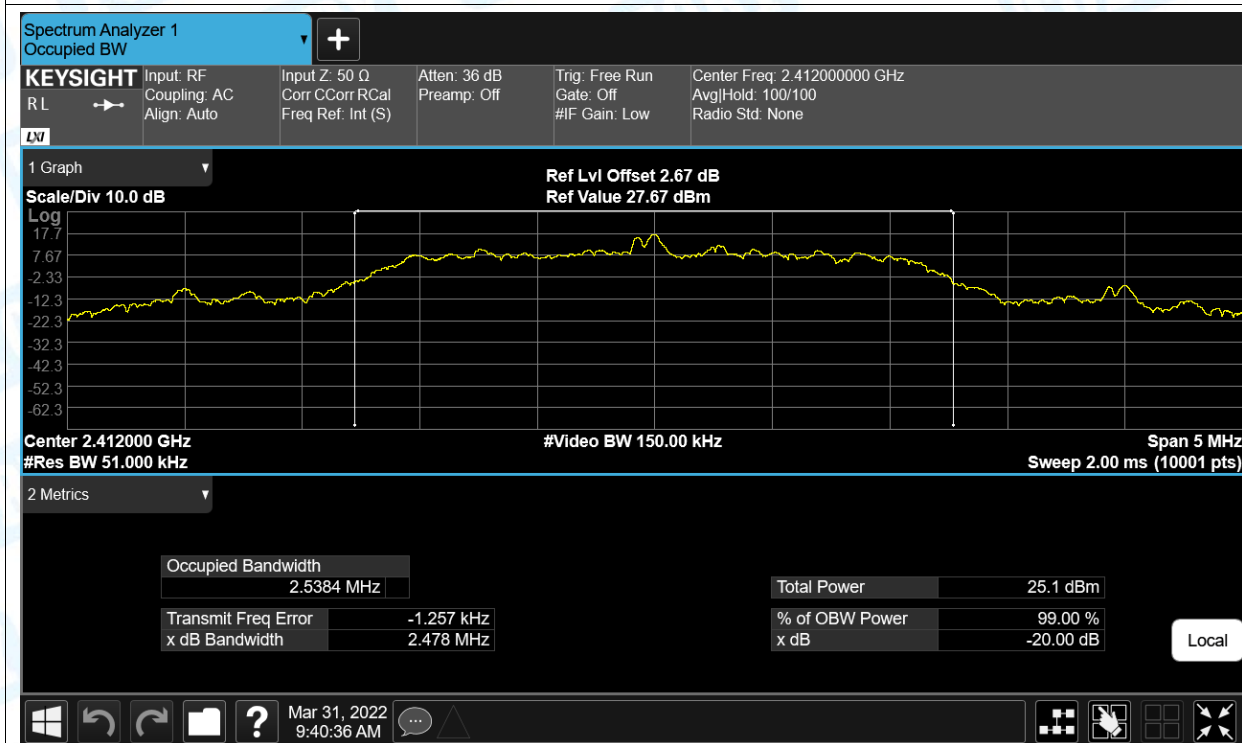


3.Occupied Channel Bandwidth

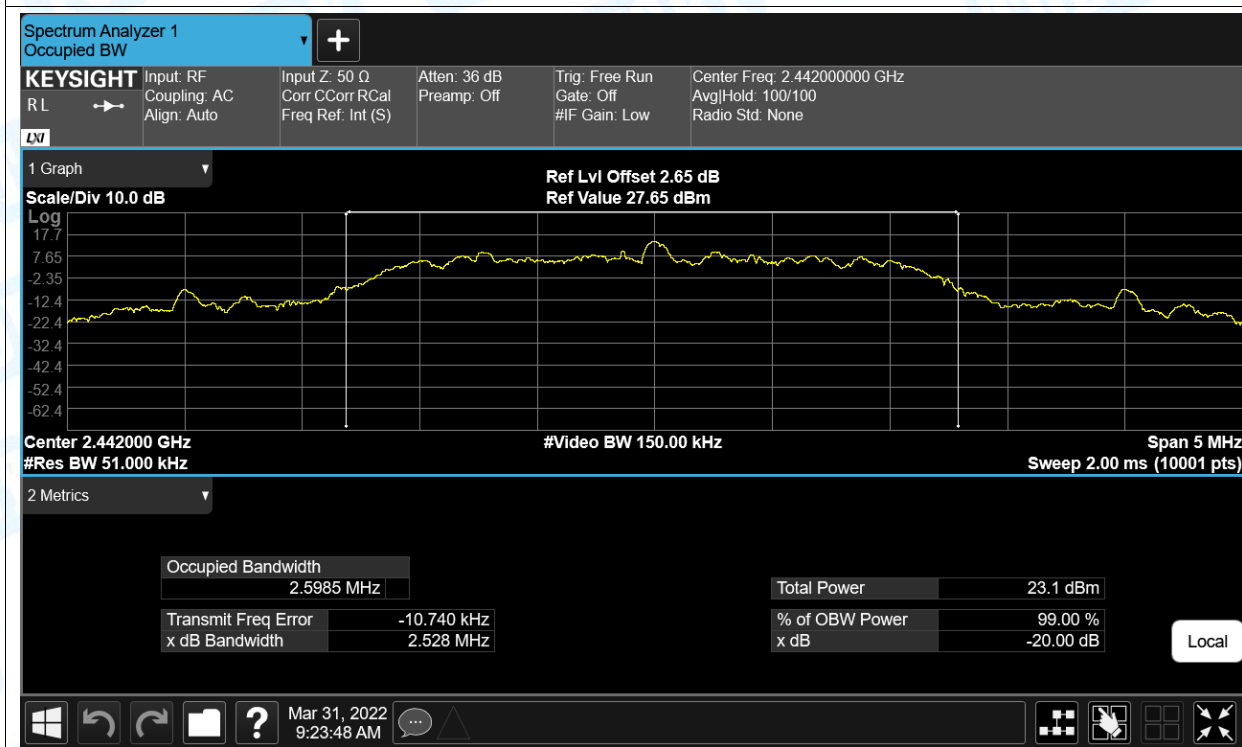
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	GFSK	2412	Ant1	2.538
NVNT	GFSK	2442	Ant1	2.598
NVNT	GFSK	2469	Ant1	2.621

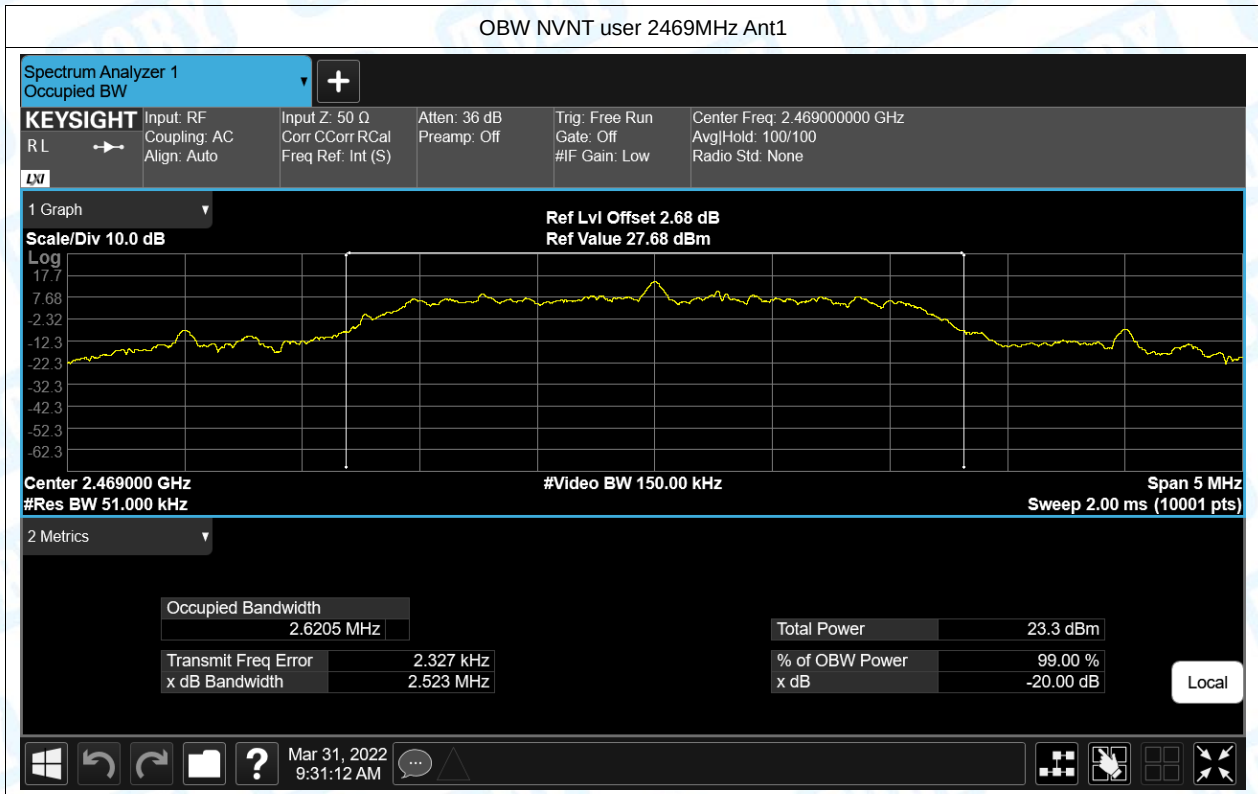
Test Graphs

OBW NVNT user 2412MHz Ant1



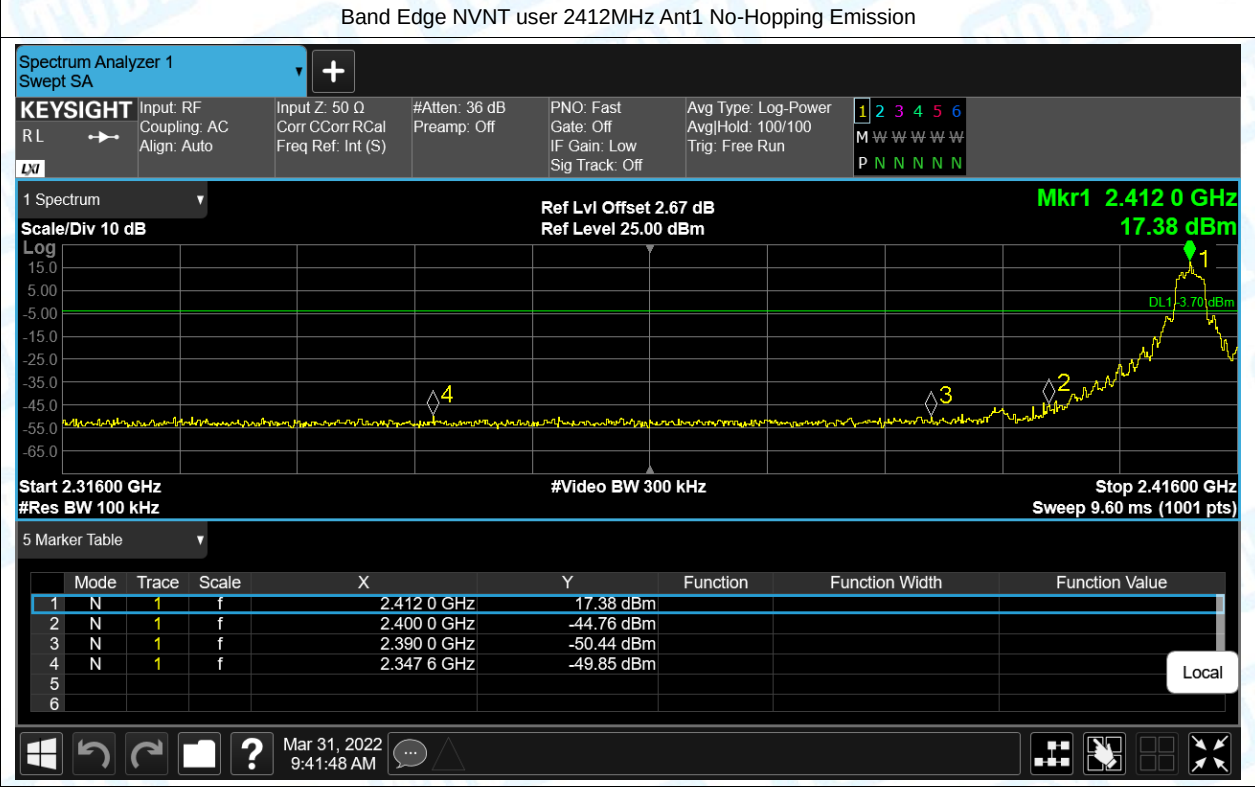
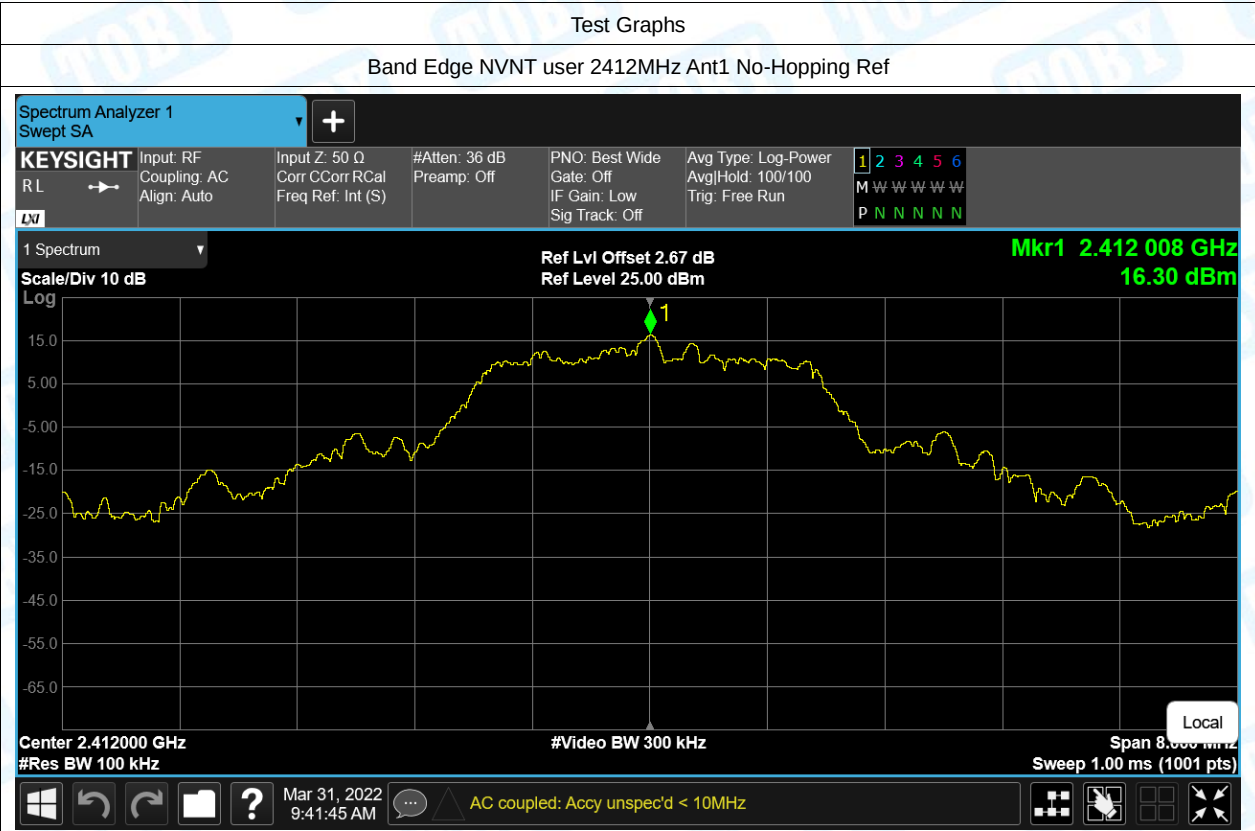
OBW NVNT user 2442MHz Ant1

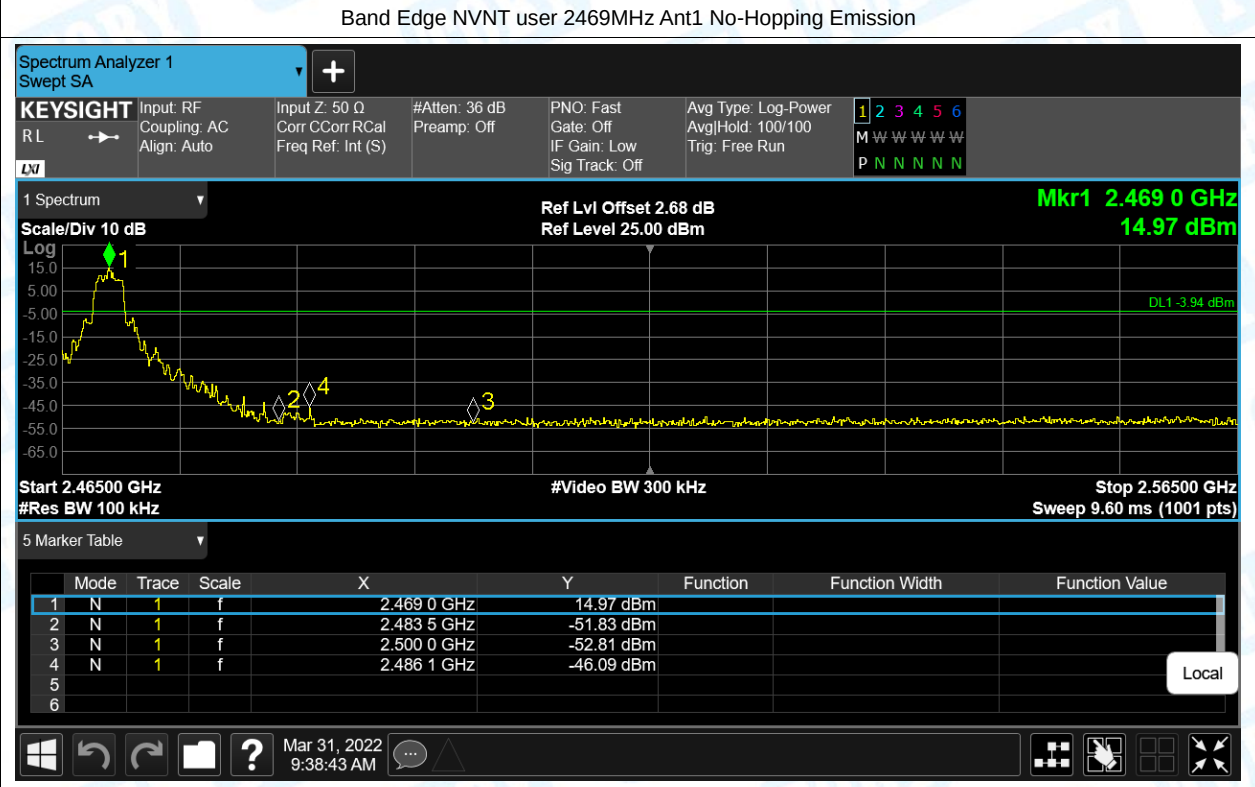
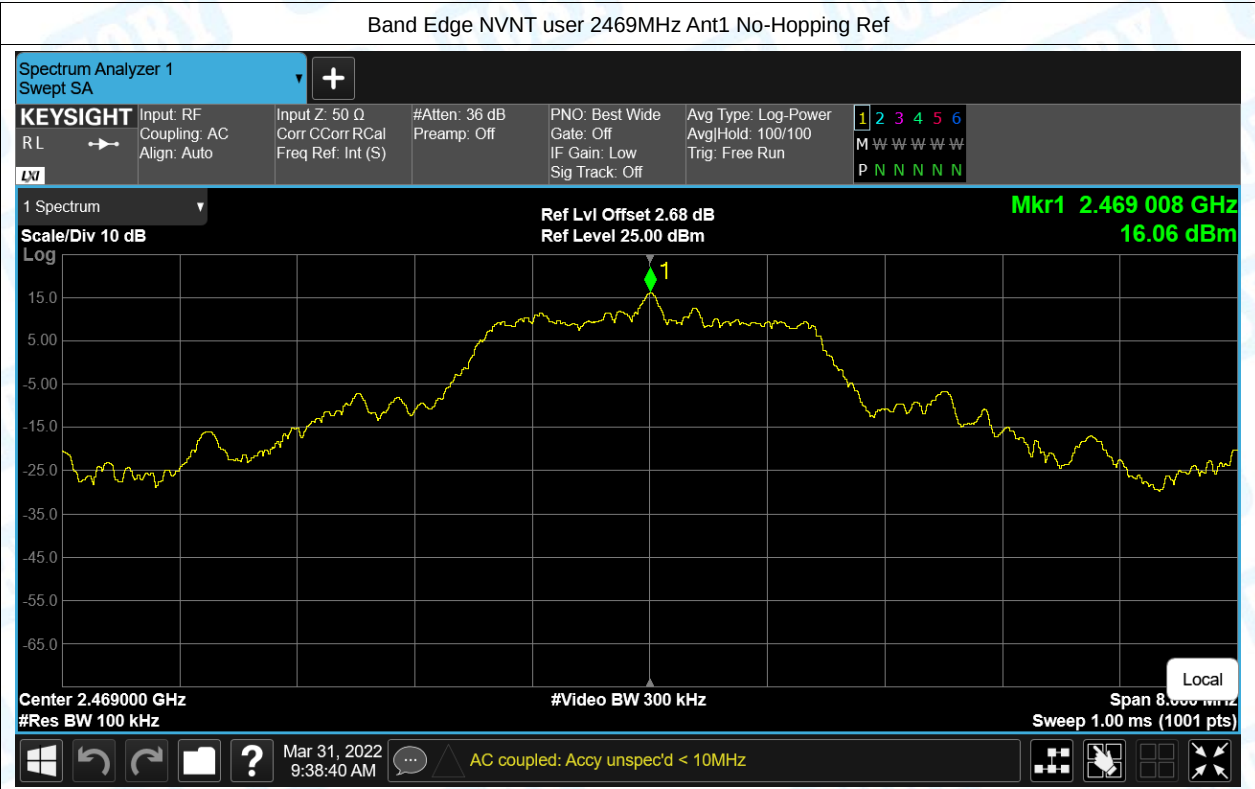




4.Band Edge

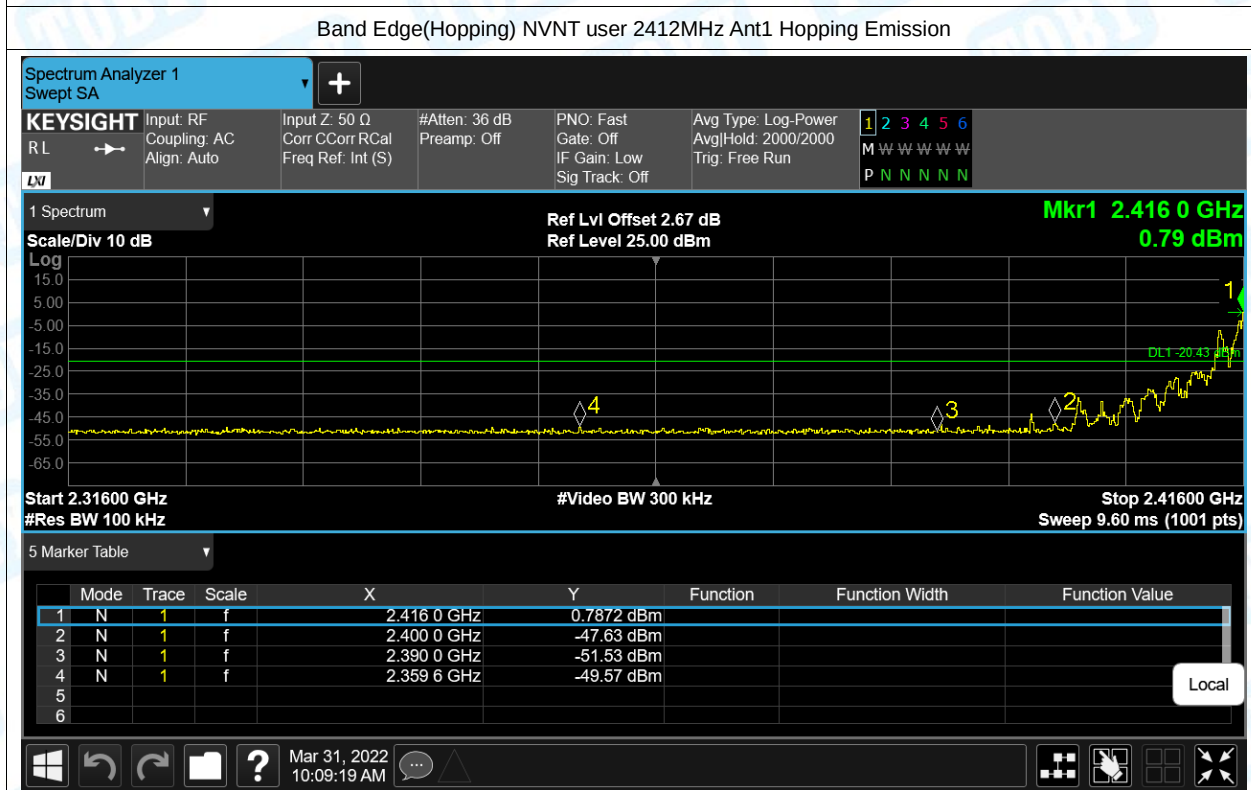
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	GFSK	2412	Ant1	No-Hopping	-66.15	-20	Pass
NVNT	GFSK	2469	Ant1	No-Hopping	-62.15	-20	Pass

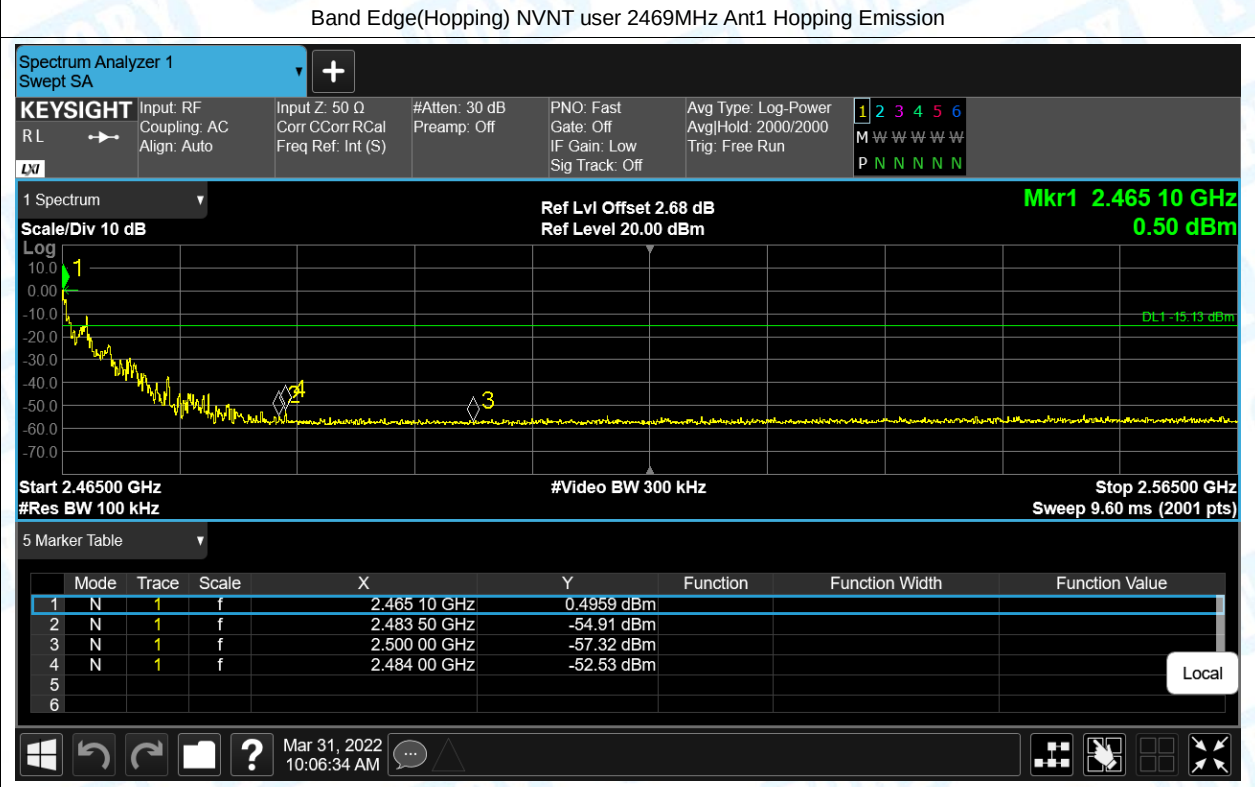




5.Band Edge(Hopping)

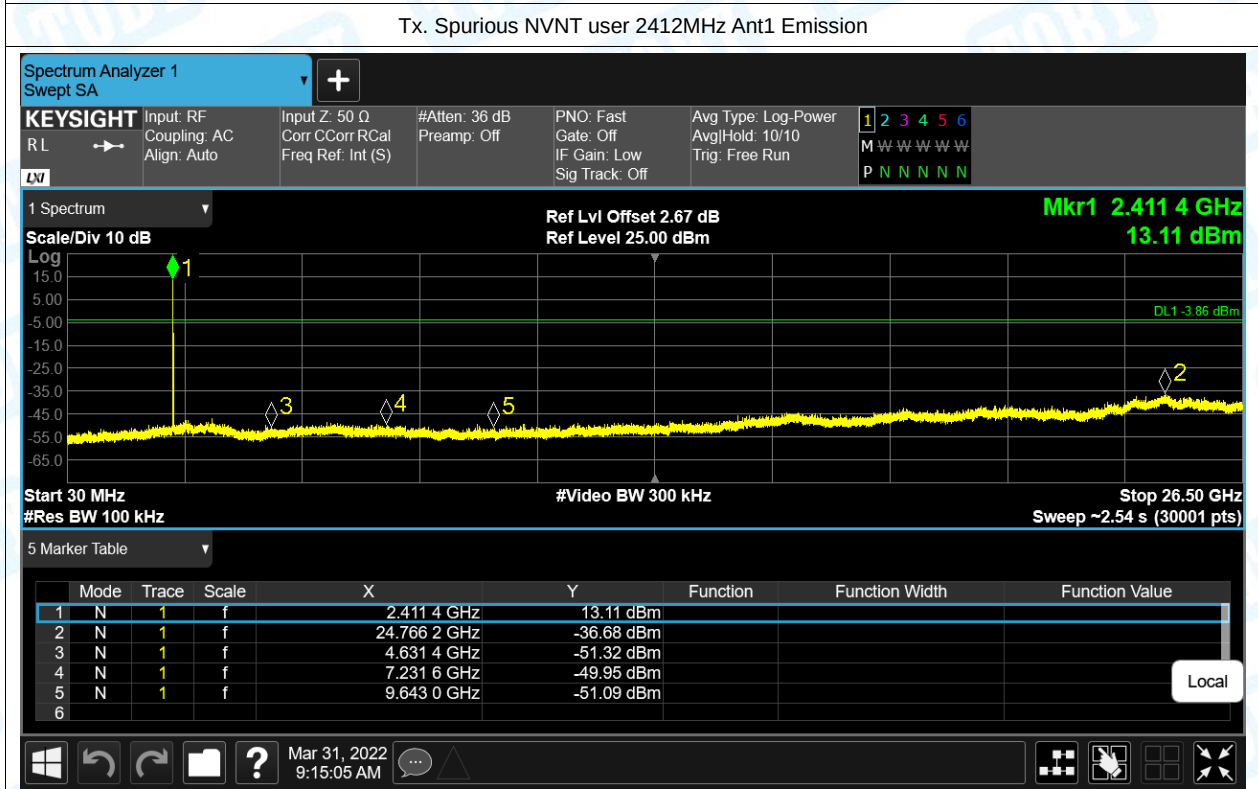
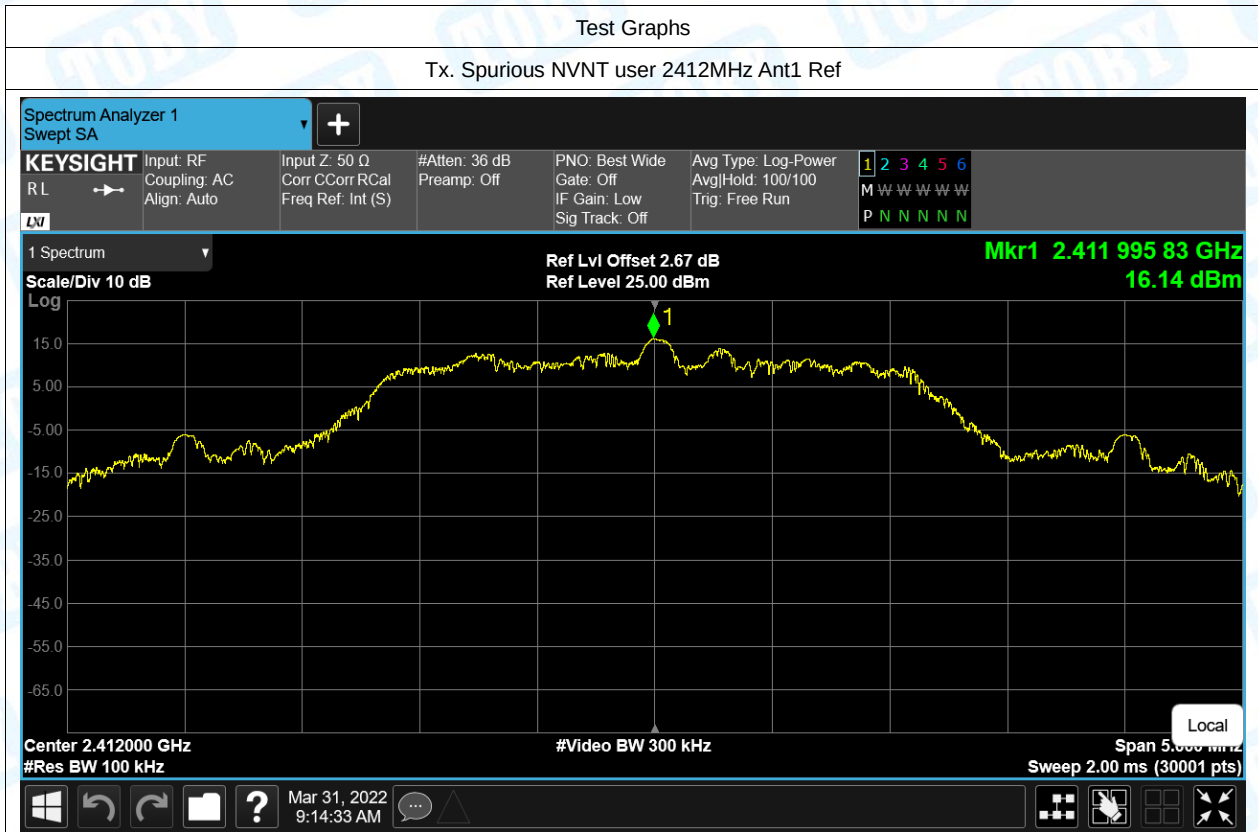
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	GFSK	2412	Ant1	Hopping	-49.15	-20	Pass
NVNT	GFSK	2469	Ant1	Hopping	-57.4	-20	Pass

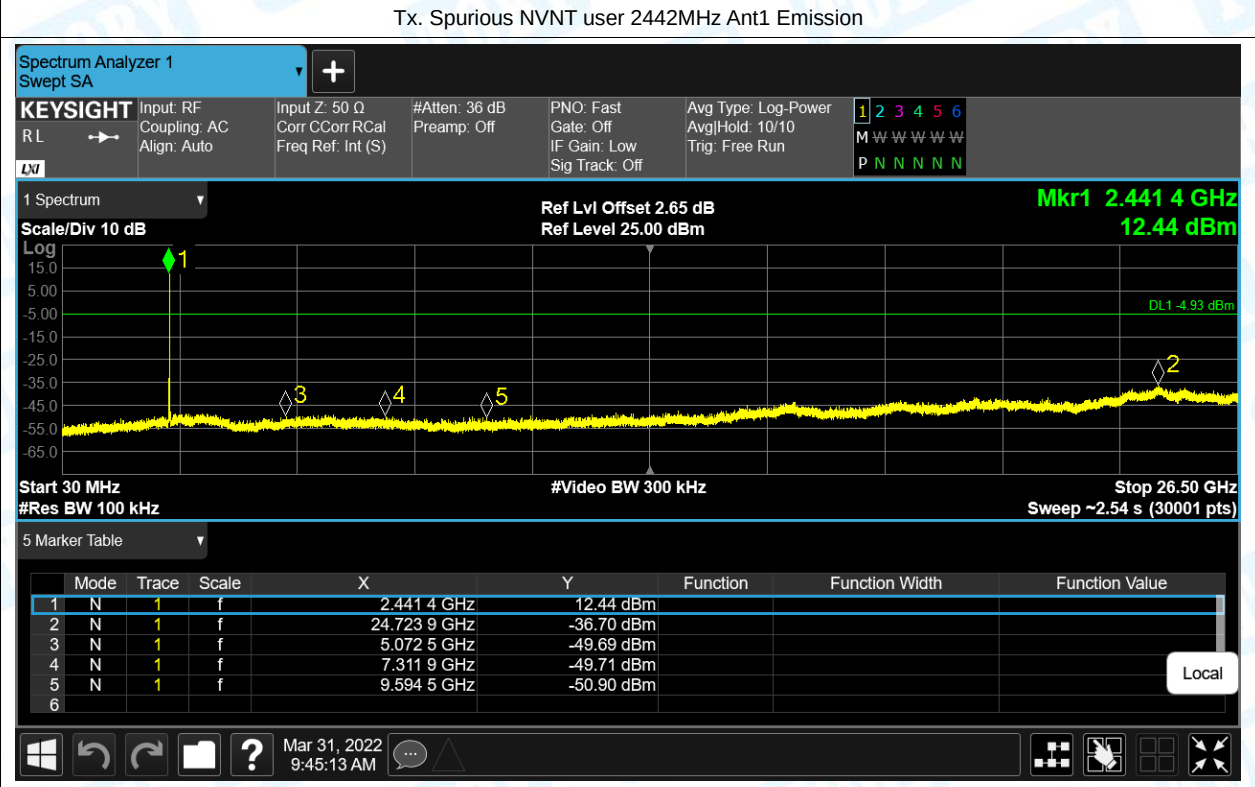
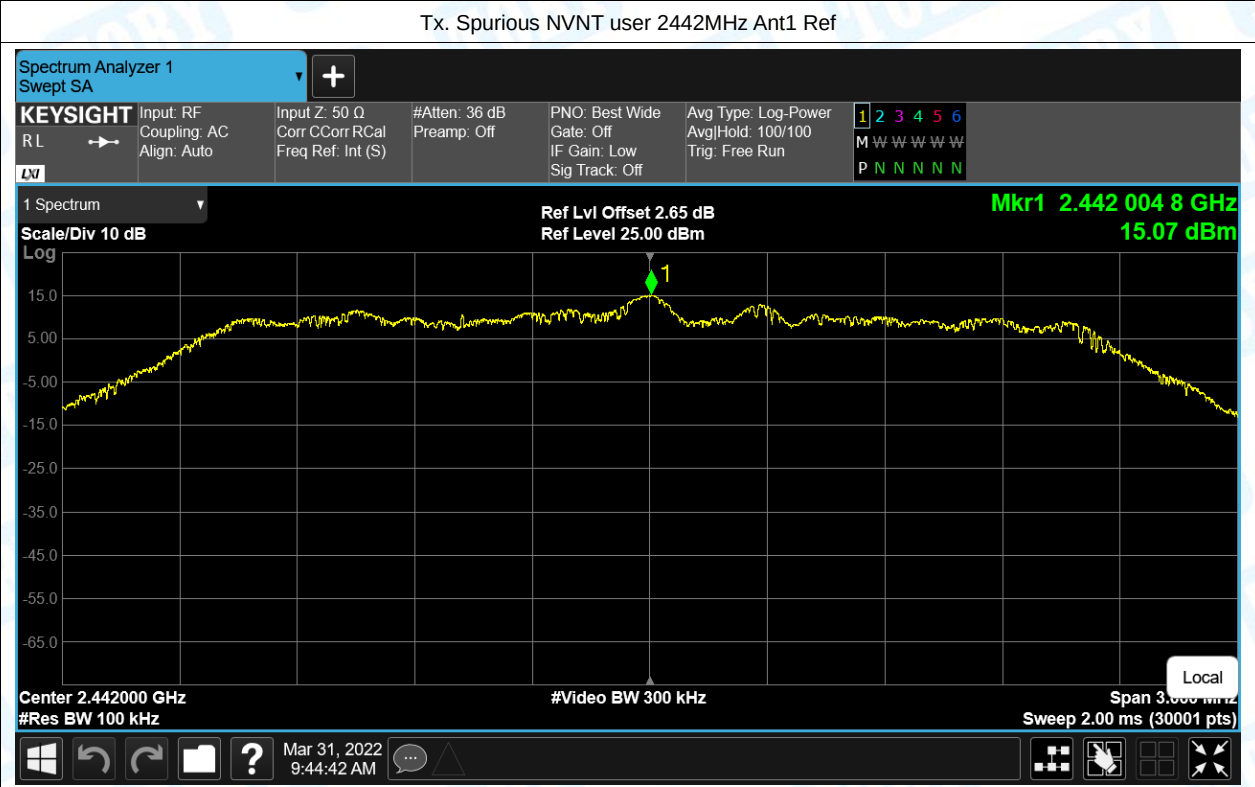


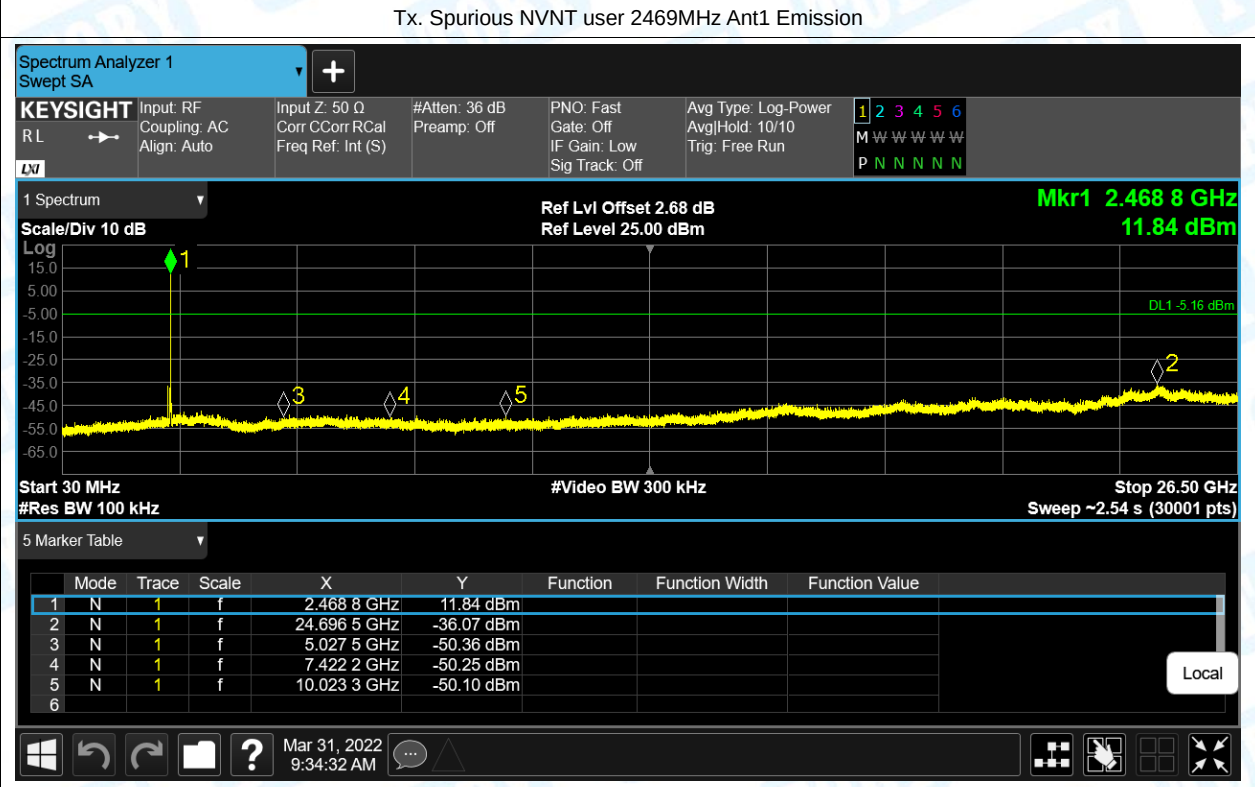
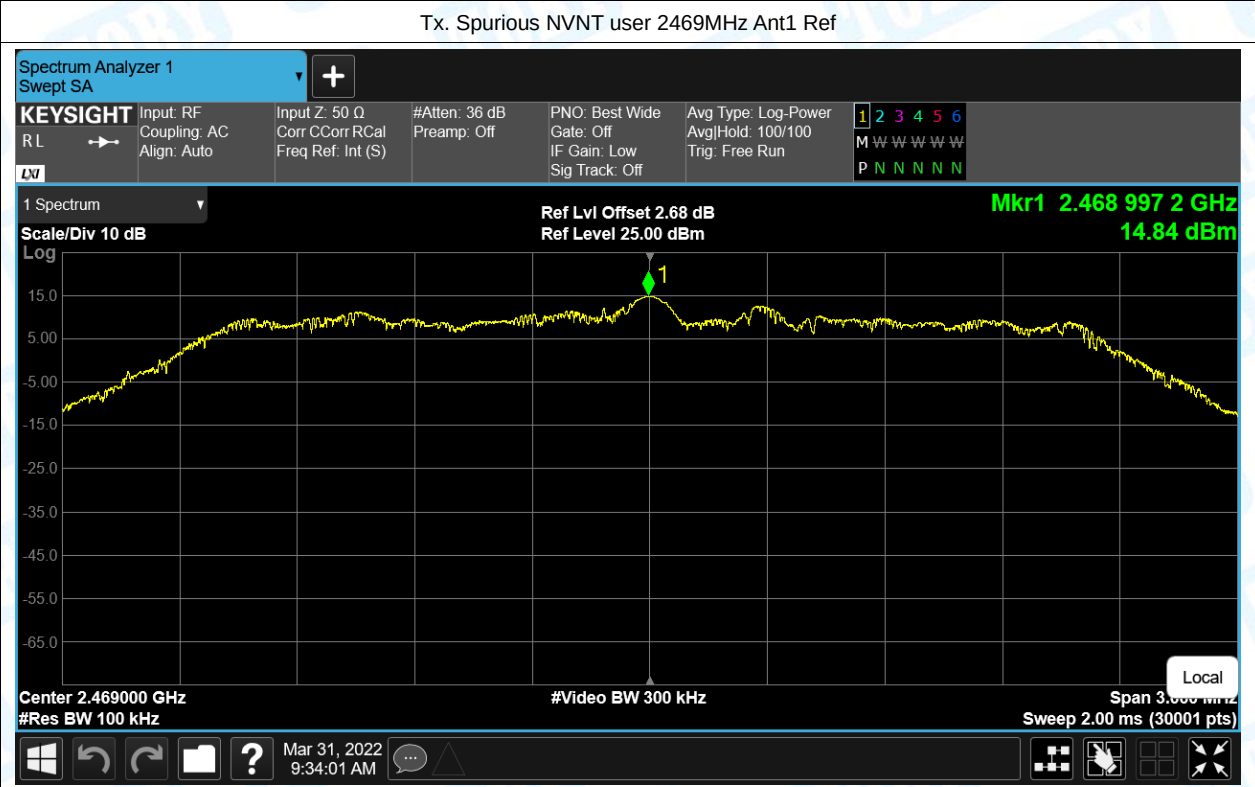


6. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	GFSK	2412	Ant1	-52.82	-20	Pass
NVNT	GFSK	2442	Ant1	-51.77	-20	Pass
NVNT	GFSK	2469	Ant1	-50.91	-20	Pass





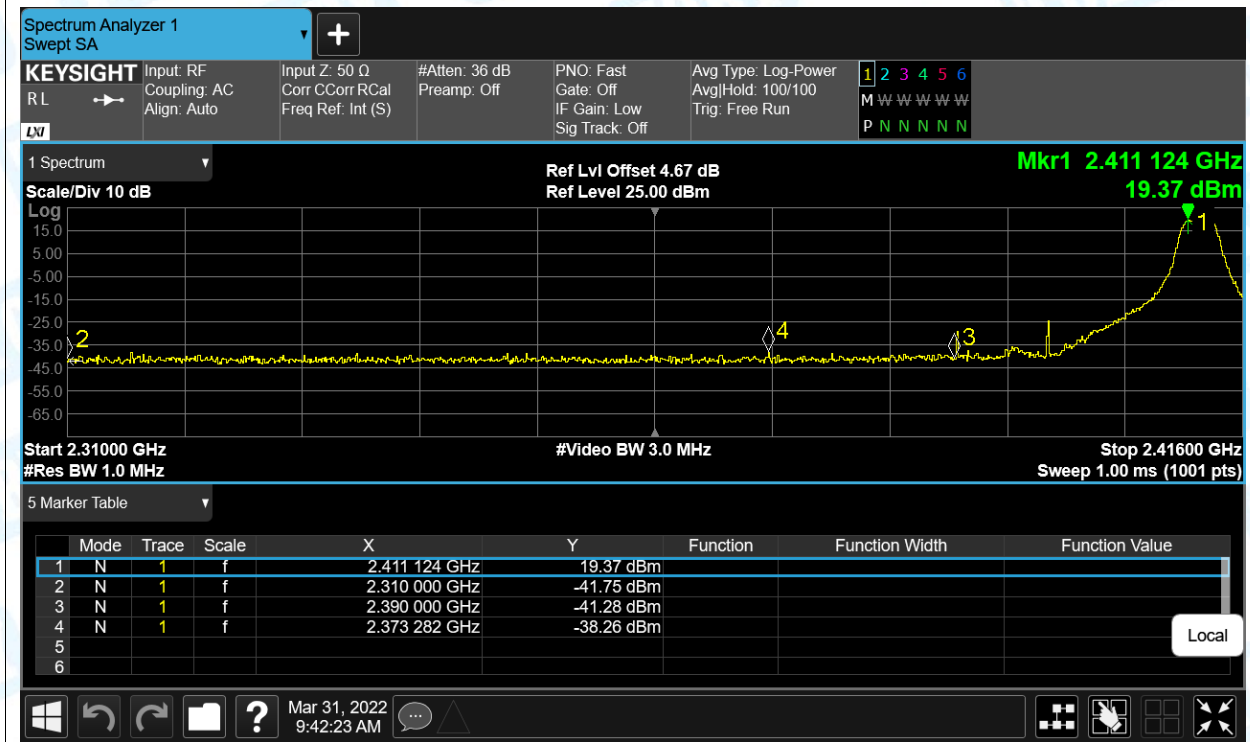


7.Restrict Band

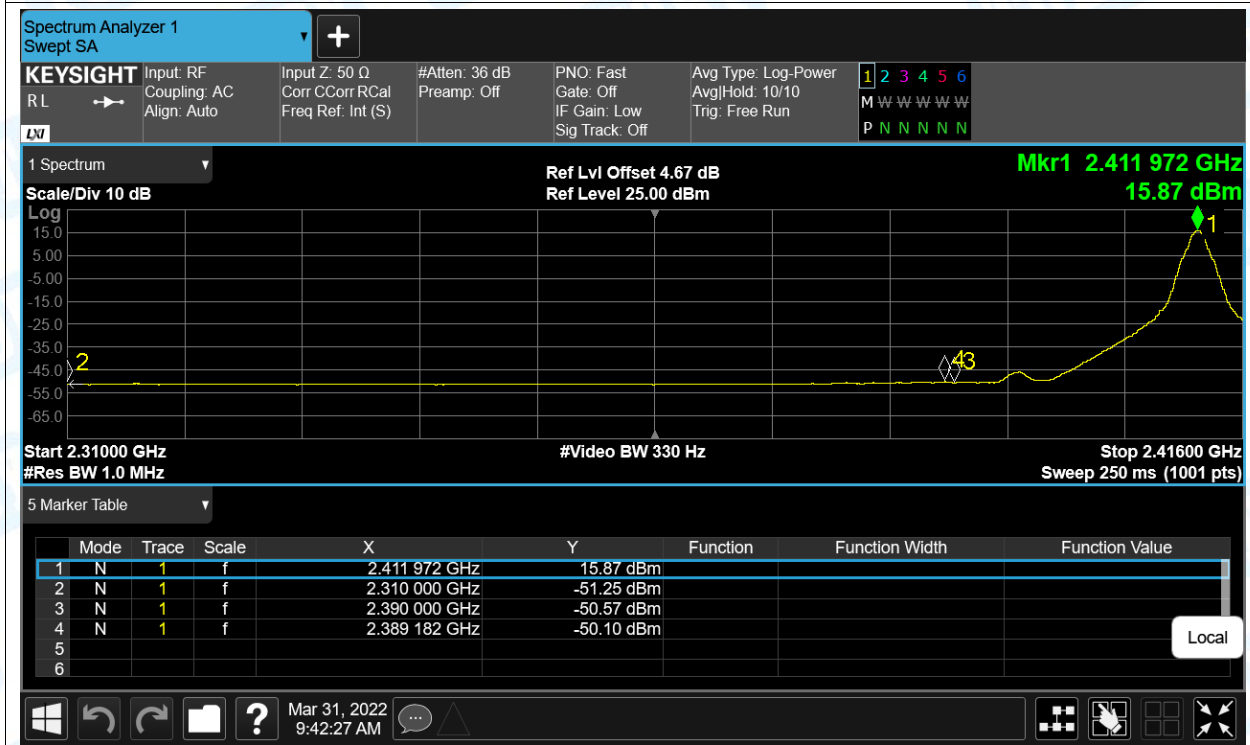
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	GFSK	2412	Ant1	No-Hopping	2310	-41.75	2	55.51	Peak	74	Pass
NVNT	GFSK	2412	Ant1	No-Hopping	2310	-51.25	2	46.01	Average	54	Pass
NVNT	GFSK	2412	Ant1	No-Hopping	2373.282	-38.26	2	59	Peak	74	Pass
NVNT	GFSK	2412	Ant1	No-Hopping	2389.182	-50.1	2	47.16	Average	54	Pass
NVNT	GFSK	2412	Ant1	No-Hopping	2390	-41.28	2	55.98	Peak	74	Pass
NVNT	GFSK	2412	Ant1	No-Hopping	2390	-50.57	2	46.69	Average	54	Pass
NVNT	GFSK	2469	Ant1	No-Hopping	2483.5	-40.02	2	57.24	Peak	74	Pass
NVNT	GFSK	2469	Ant1	No-Hopping	2483.5	-49.28	2	47.98	Average	54	Pass
NVNT	GFSK	2469	Ant1	No-Hopping	2486.98	-29.37	2	67.89	Peak	74	Pass
NVNT	GFSK	2469	Ant1	No-Hopping	2484.775	-47.61	2	49.65	Average	54	Pass
NVNT	GFSK	2469	Ant1	No-Hopping	2500	-40.55	2	56.71	Peak	74	Pass
NVNT	GFSK	2469	Ant1	No-Hopping	2500	-50.83	2	46.43	Average	54	Pass

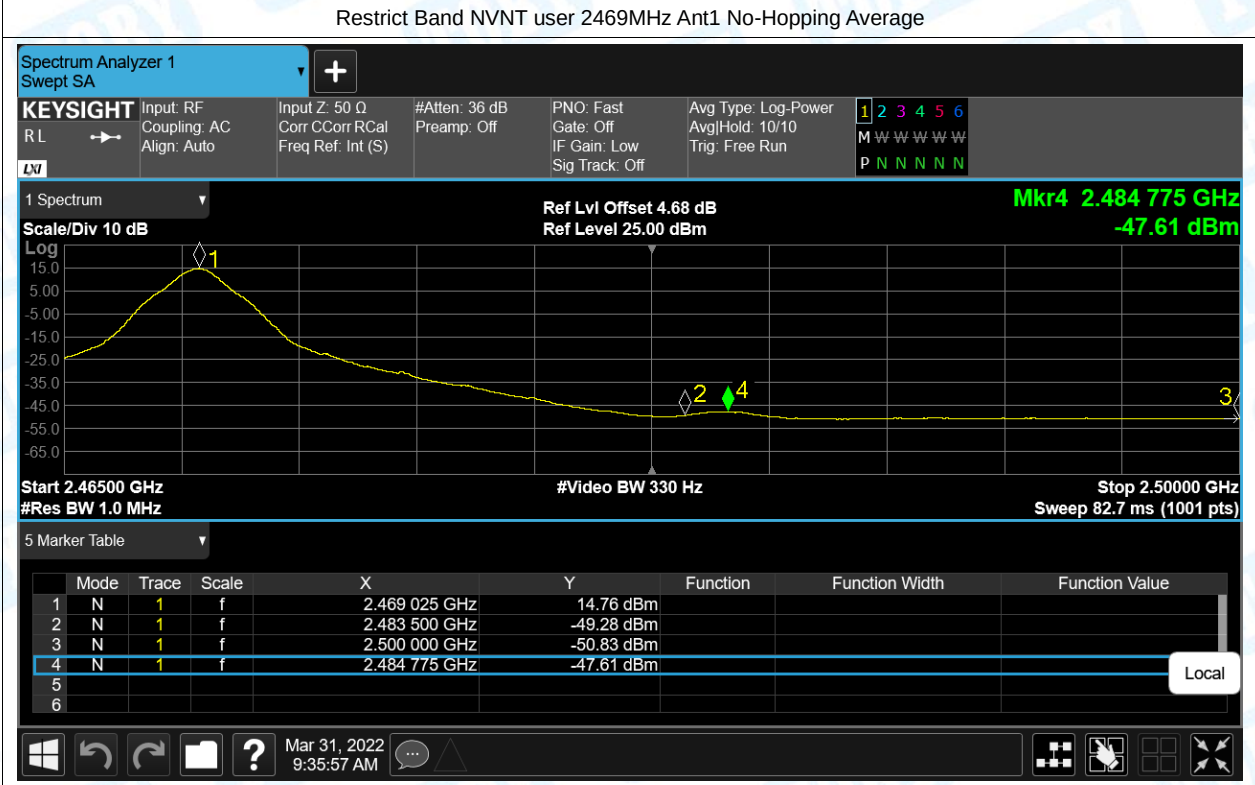
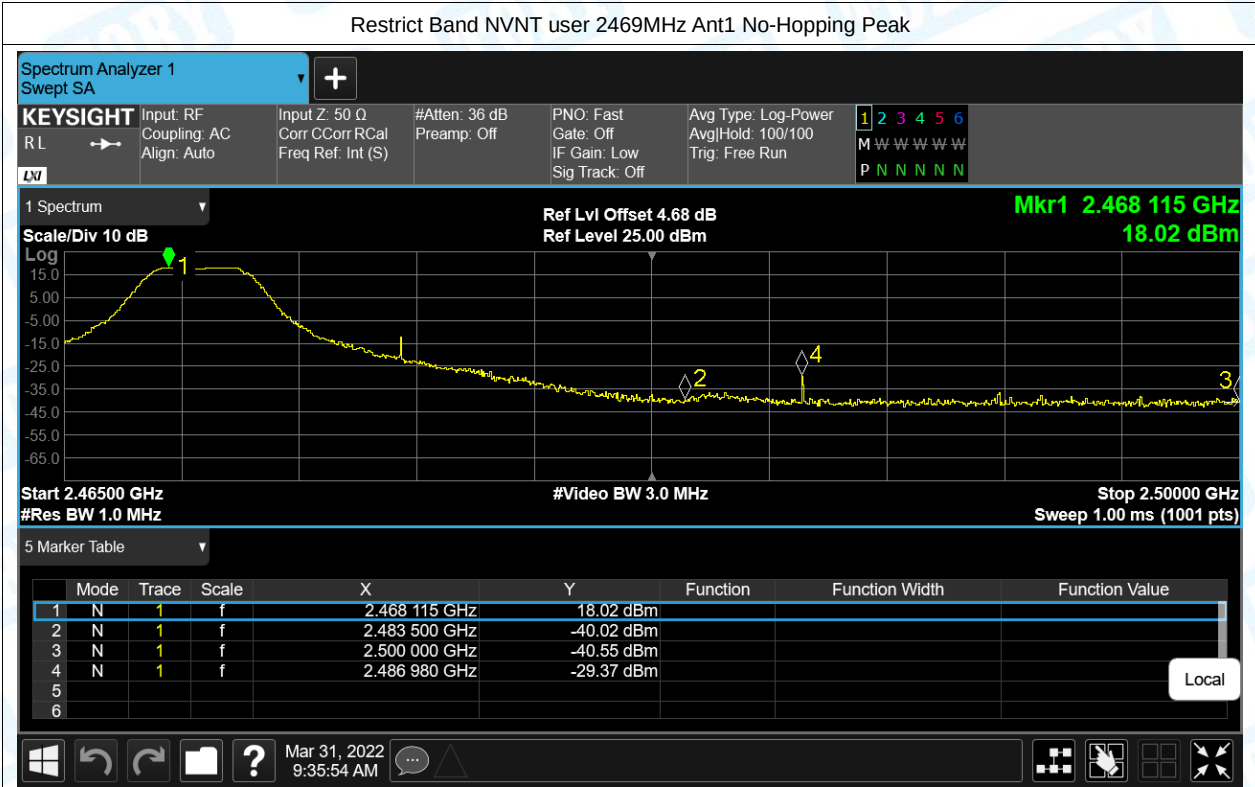
Test Graphs

Restrict Band NVNT user 2412MHz Ant1 No-Hopping Peak



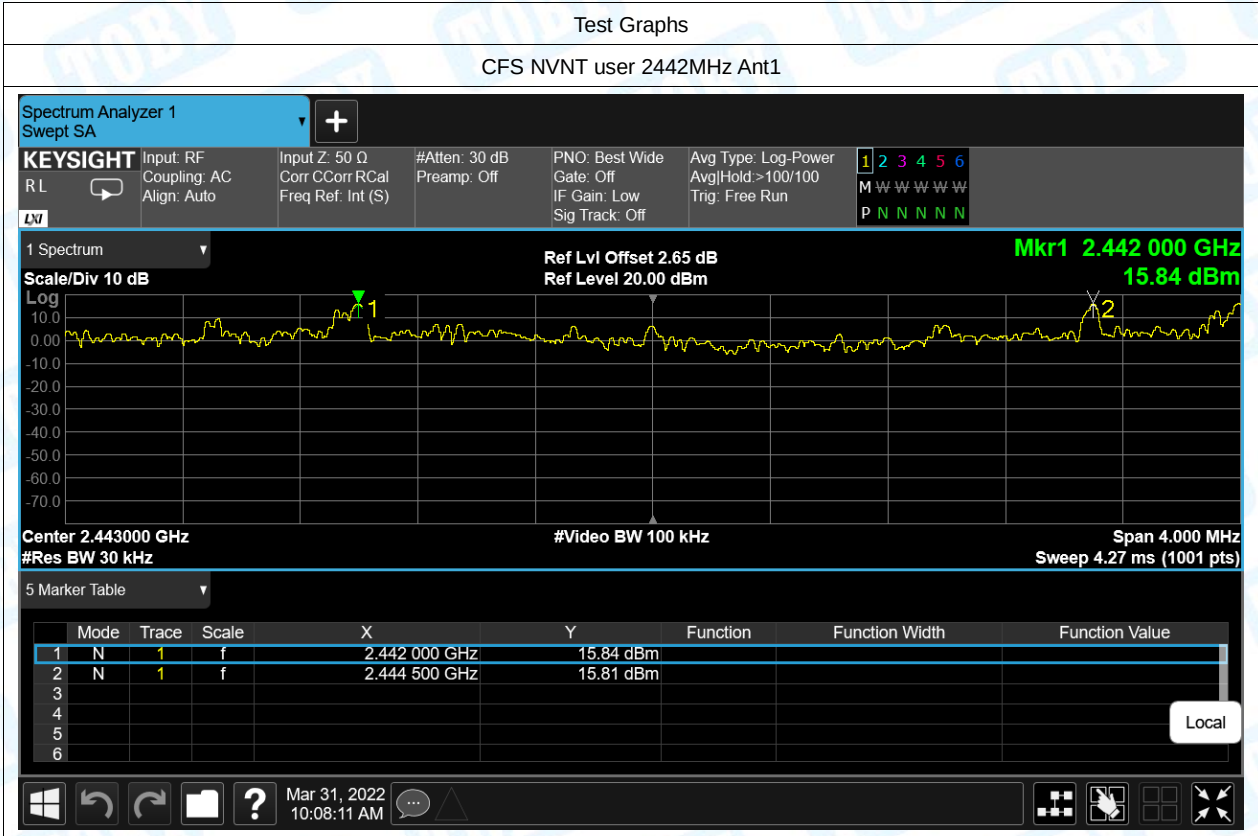
Restrict Band NVNT user 2412MHz Ant1 No-Hopping Average





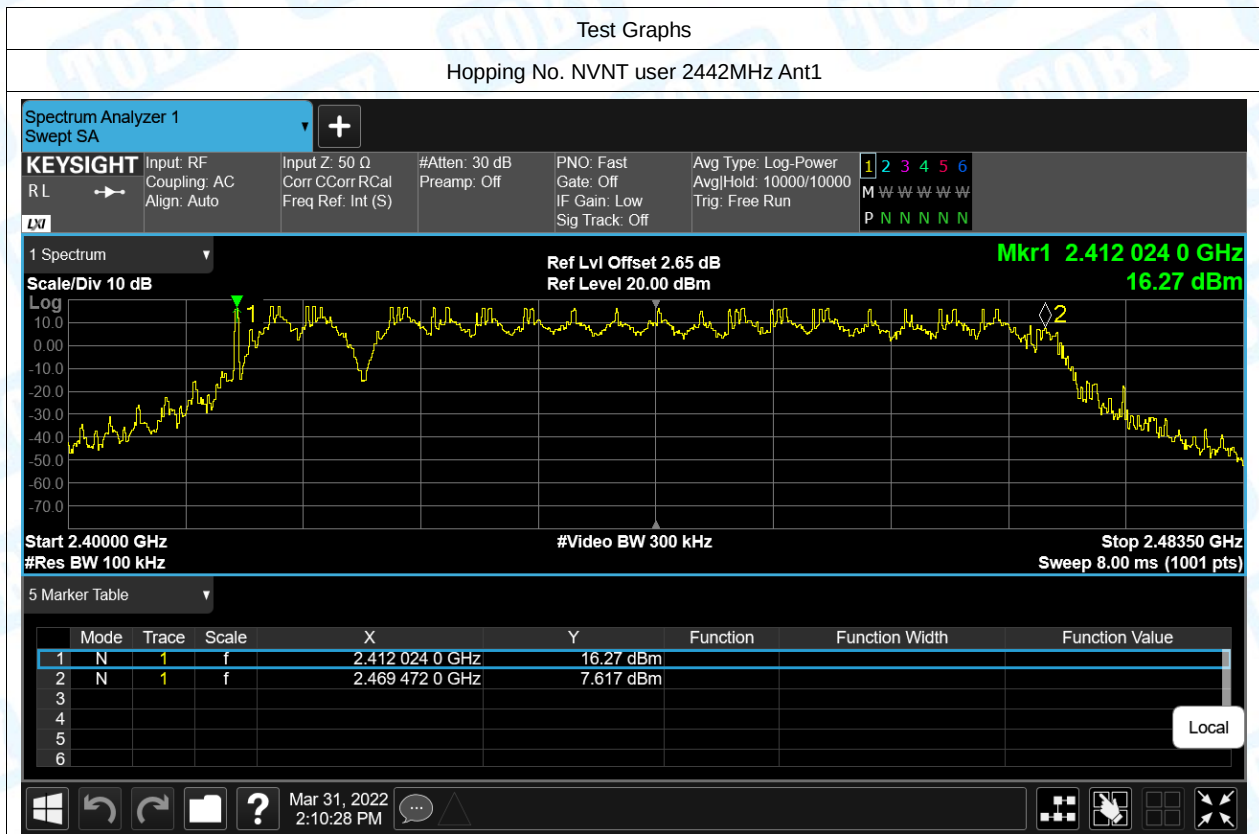
8.Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	GFSK	Ant1	2442	2444.5	2.5	0.025	Pass



9.Number of Hopping Channel

Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	GFSK	Ant1	20	15	Pass



10.Dwell Time

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Period Time (ms)	Limit (ms)	Verdict
NVNT	GFSK	2442	Ant1	0.586	187.52	31600	400	Pass

