

RF Test Data for 2.4G (Conducted Measurements)

General Description of EUT	
Product Name:	2.4GHz Digital Wireless Video Baby Camera
FCC ID Test Model:	HB6351
IC Test Model:	HB6351TX
Sample ID:	202203-0083-1_2
Environmental Conditions	
Temperature:	25°C
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-202203-0083-1&TBR-C-202203-0083-2	

Contents

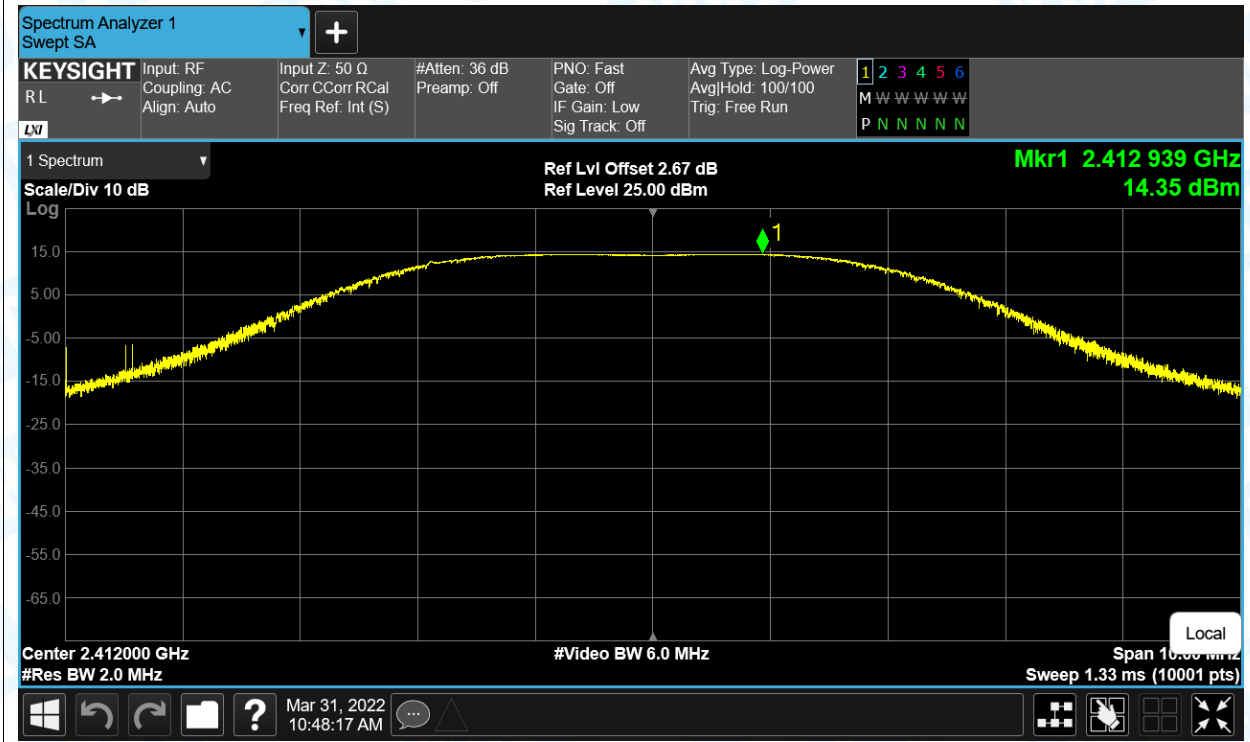
1.Maximum Conducted Output Power	3
2.-20dB Bandwidth	6
3.Occupied Channel Bandwidth	9
4.Band Edge	12
5.Band Edge(Hopping).....	15
6.Conducted RF Spurious Emission	18
7.Restrict Band.....	22
8.Carrier Frequencies Separation	25
9.Number of Hopping Channel	27
10.Dwell Time.....	29

1. Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	GFSK	2412	Ant1	14.349	21	Pass
NVNT	GFSK	2442	Ant1	15.663	21	Pass
NVNT	GFSK	2469	Ant1	16.382	21	Pass

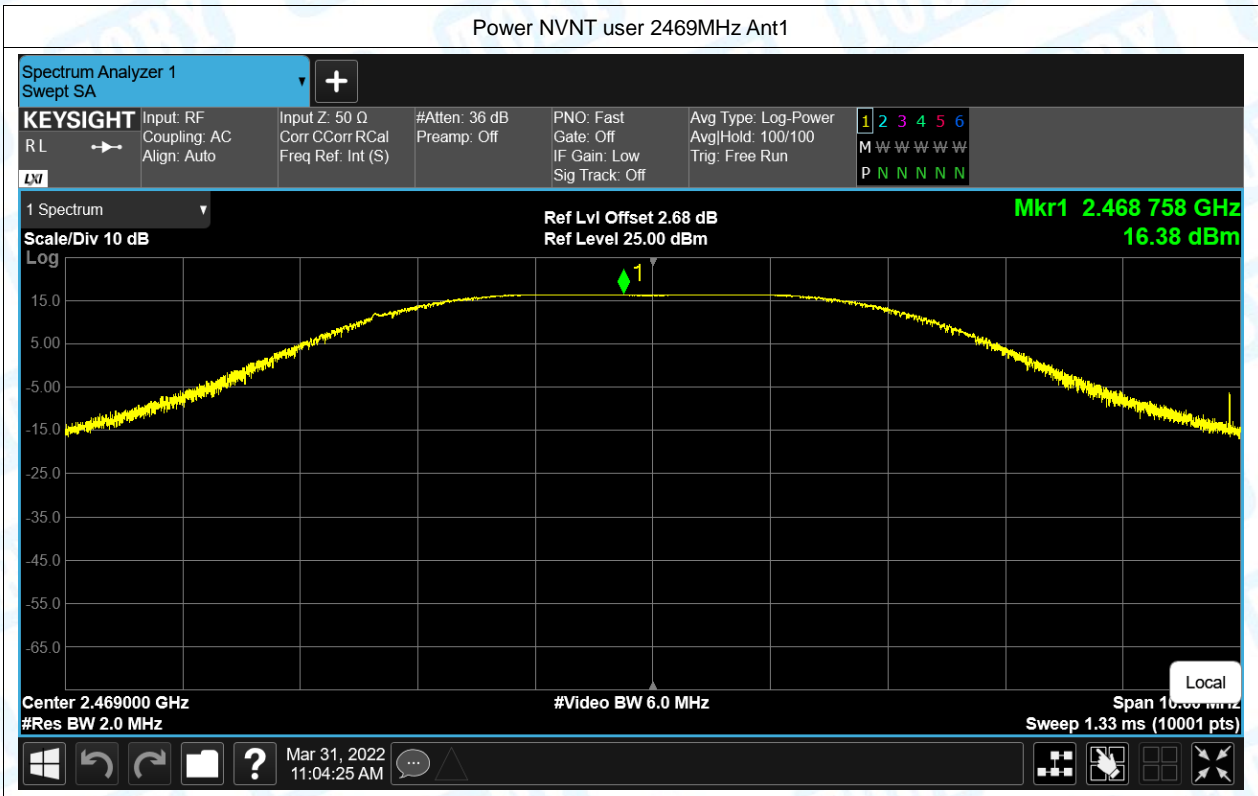
Test Graphs

Power NVNT user 2412MHz Ant1



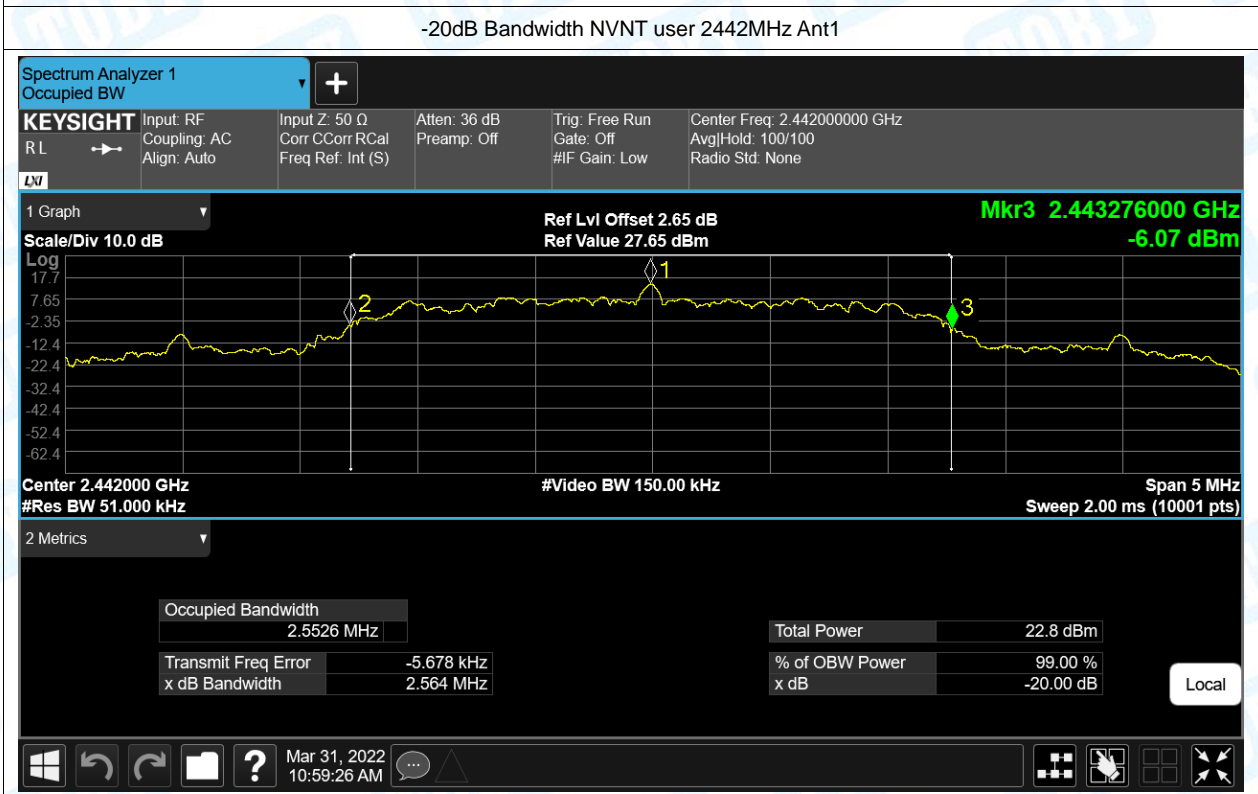
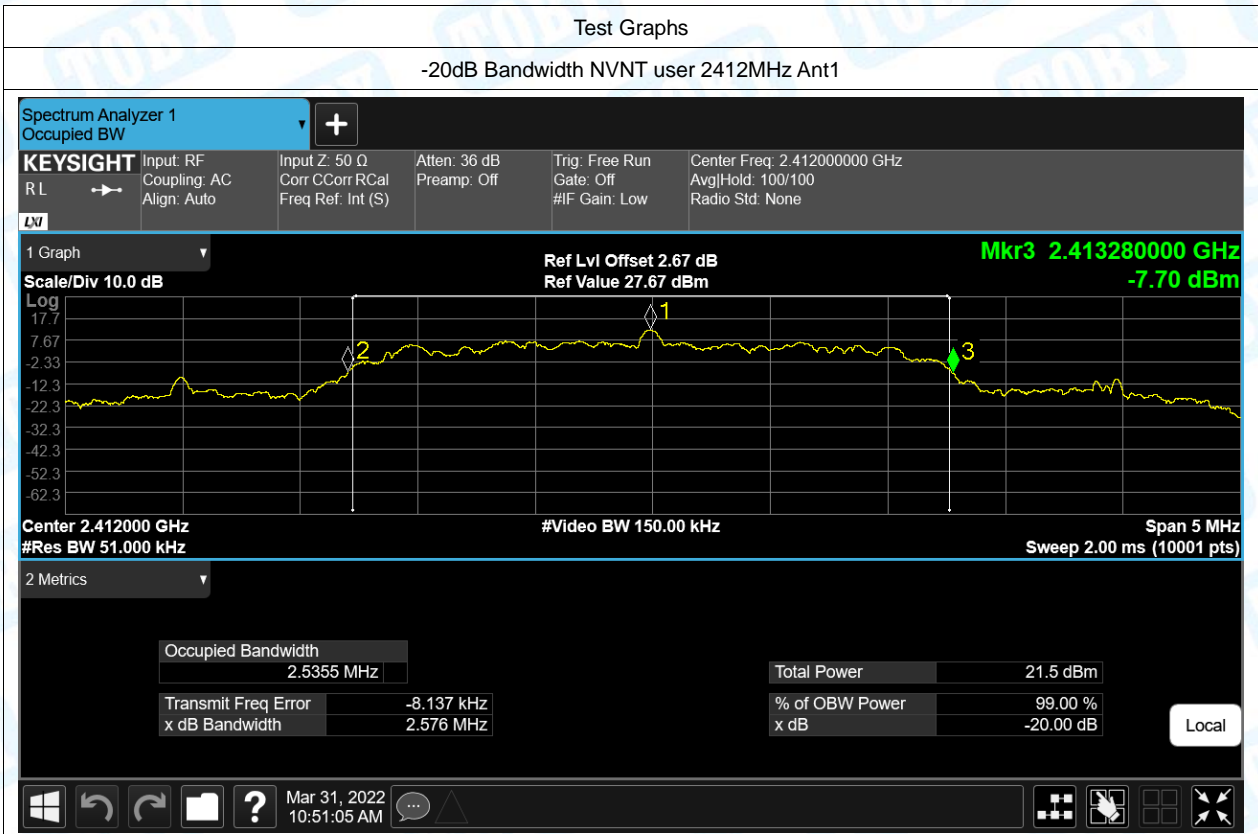
Power NVNT user 2442MHz Ant1

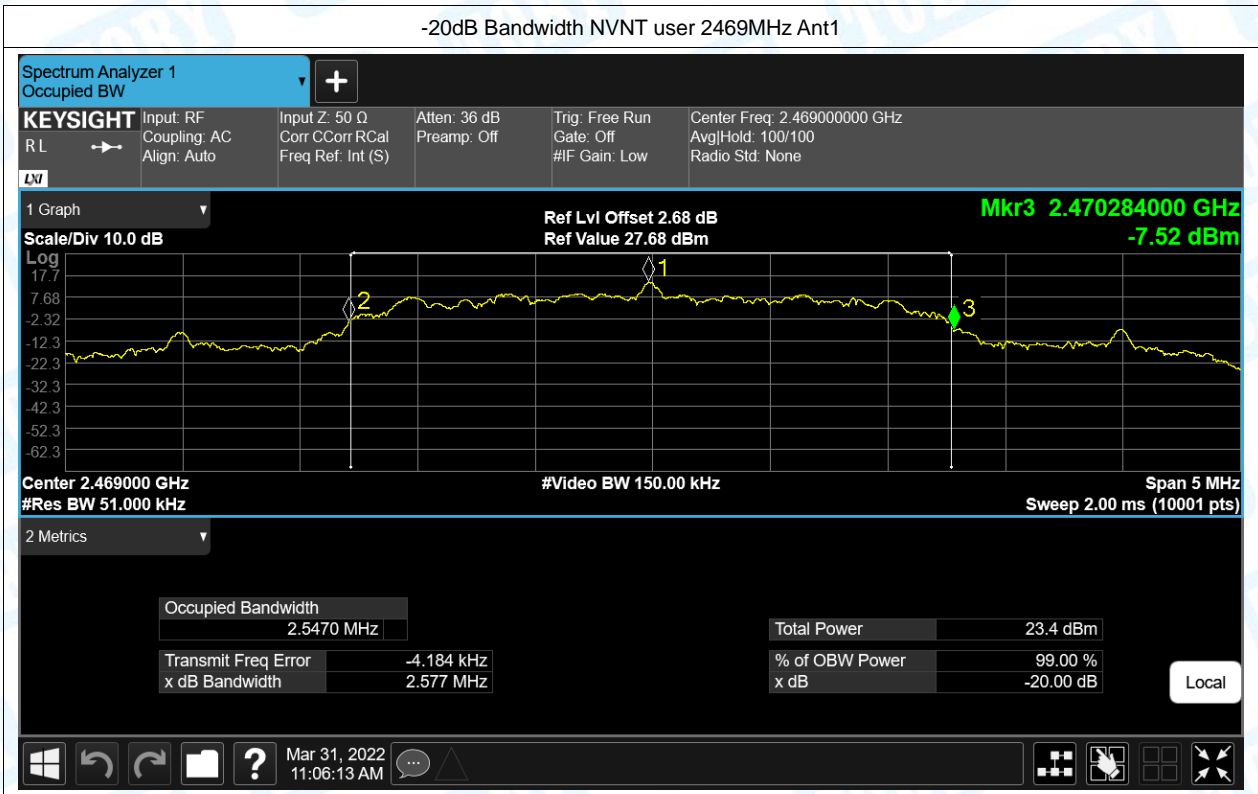




2.-20dB Bandwidth

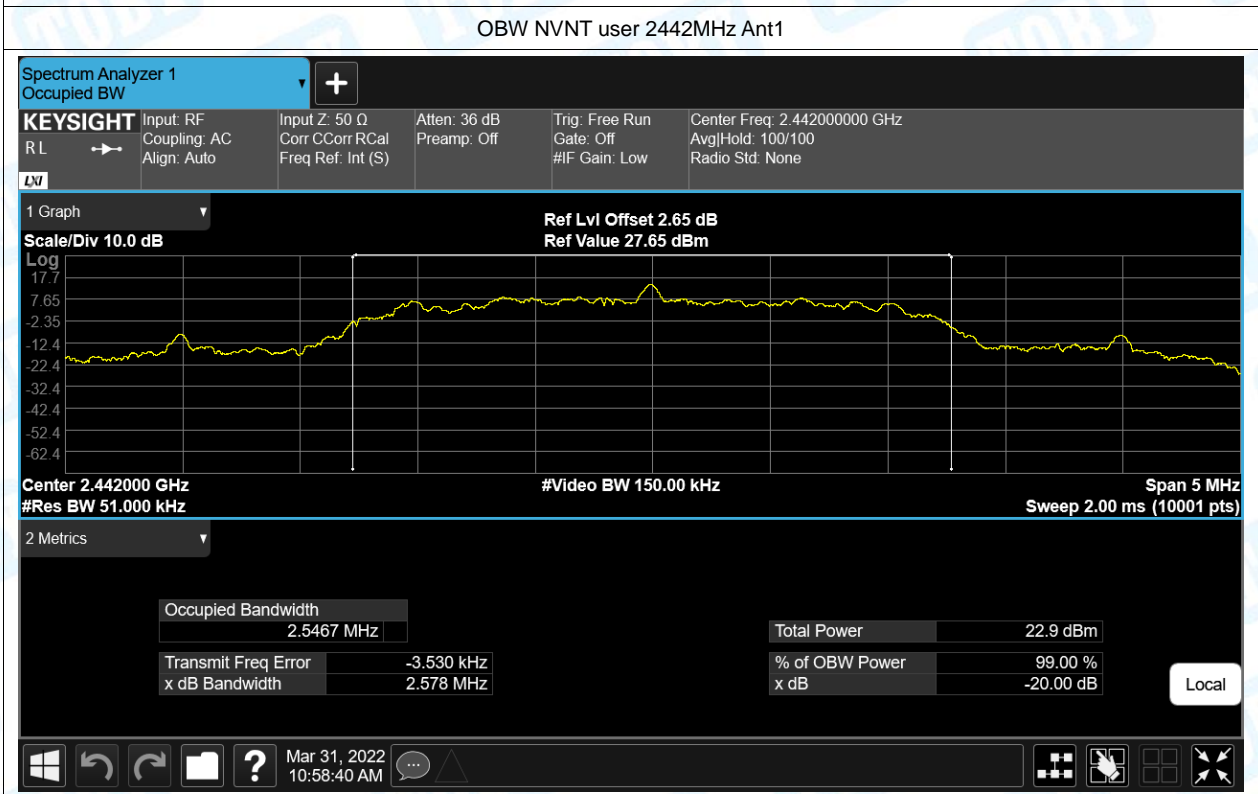
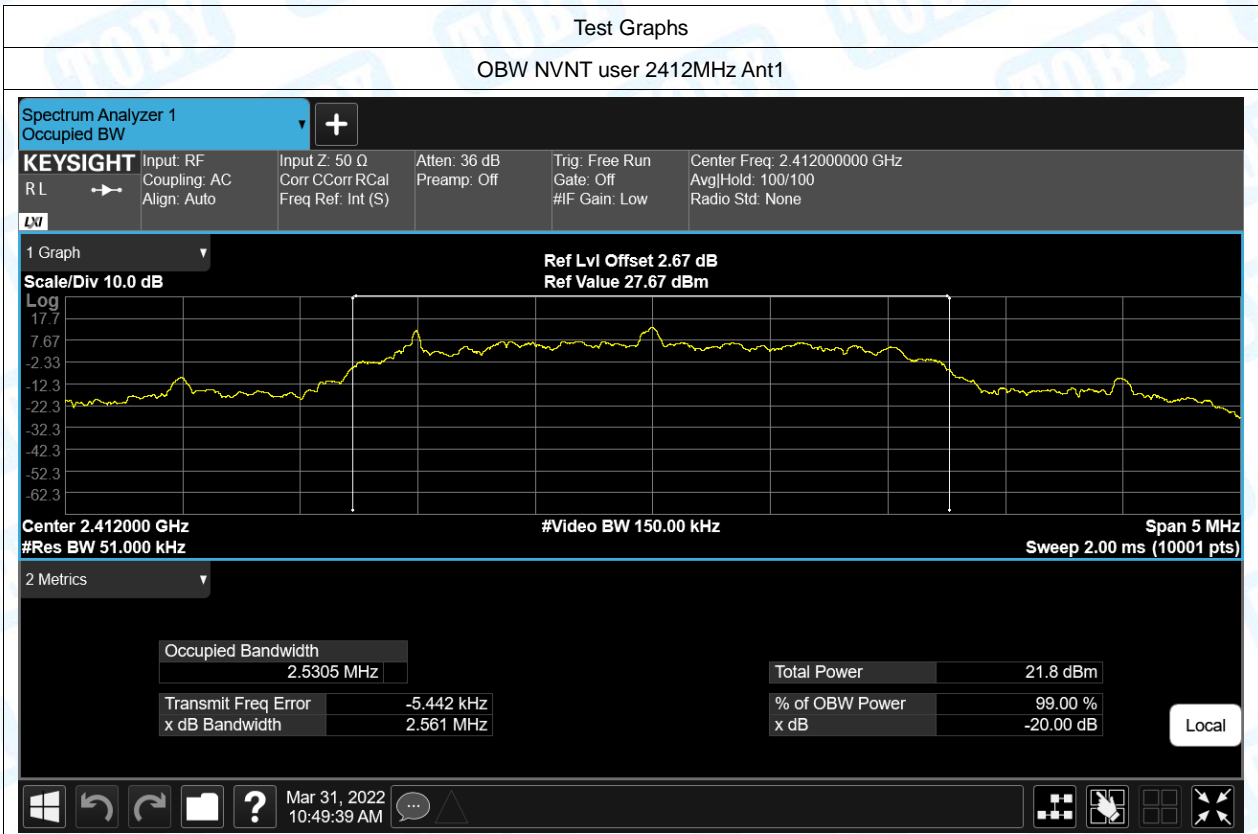
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	GFSK	2412	Ant1	2.58	0	Pass
NVNT	GFSK	2442	Ant1	2.56	0	Pass
NVNT	GFSK	2469	Ant1	2.58	0	Pass

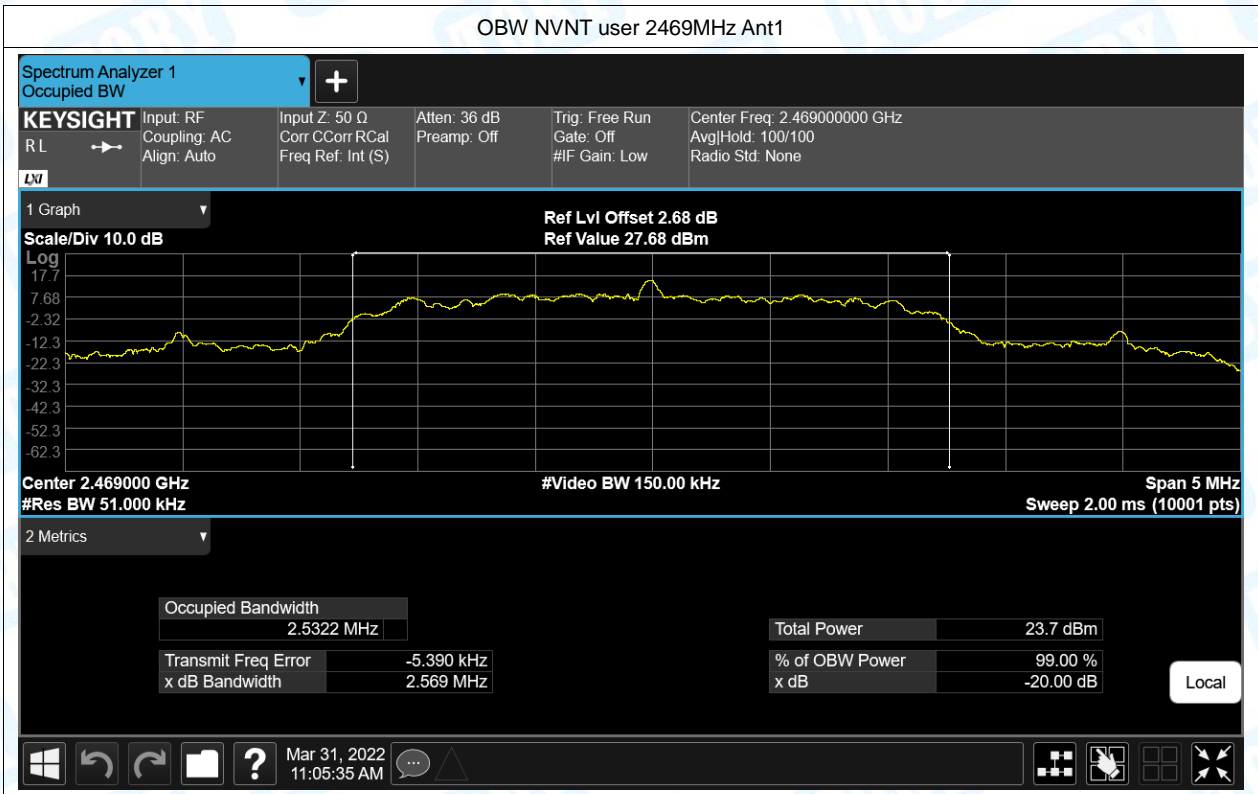




3.Occupied Channel Bandwidth

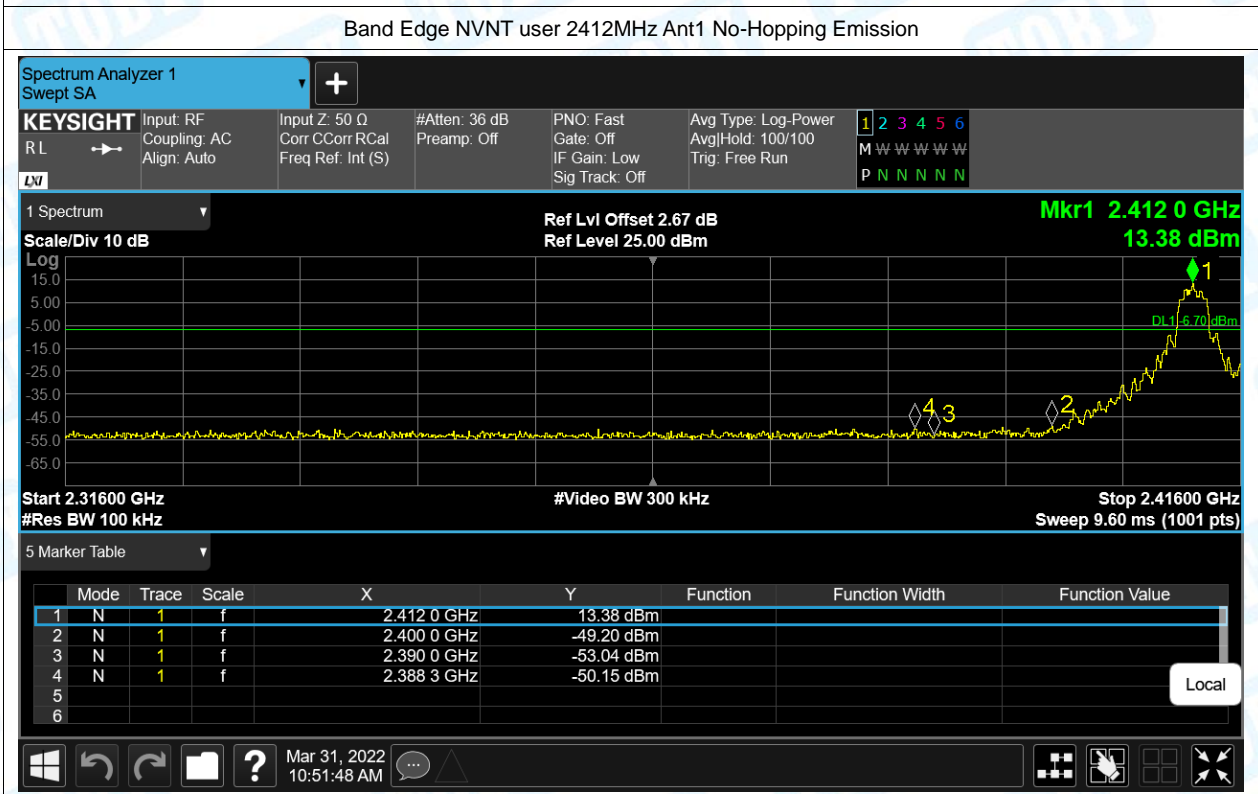
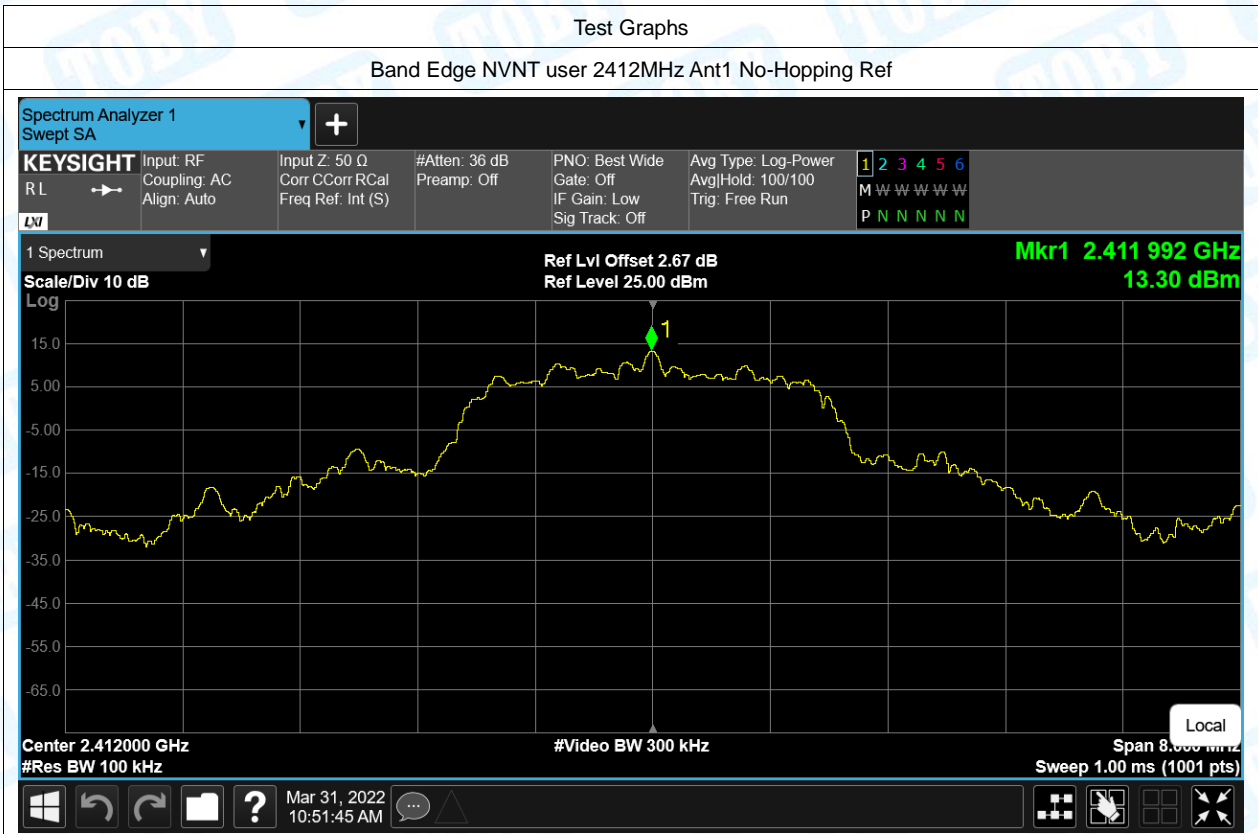
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	GFSK	2412	Ant1	2.53
NVNT	GFSK	2442	Ant1	2.547
NVNT	GFSK	2469	Ant1	2.532

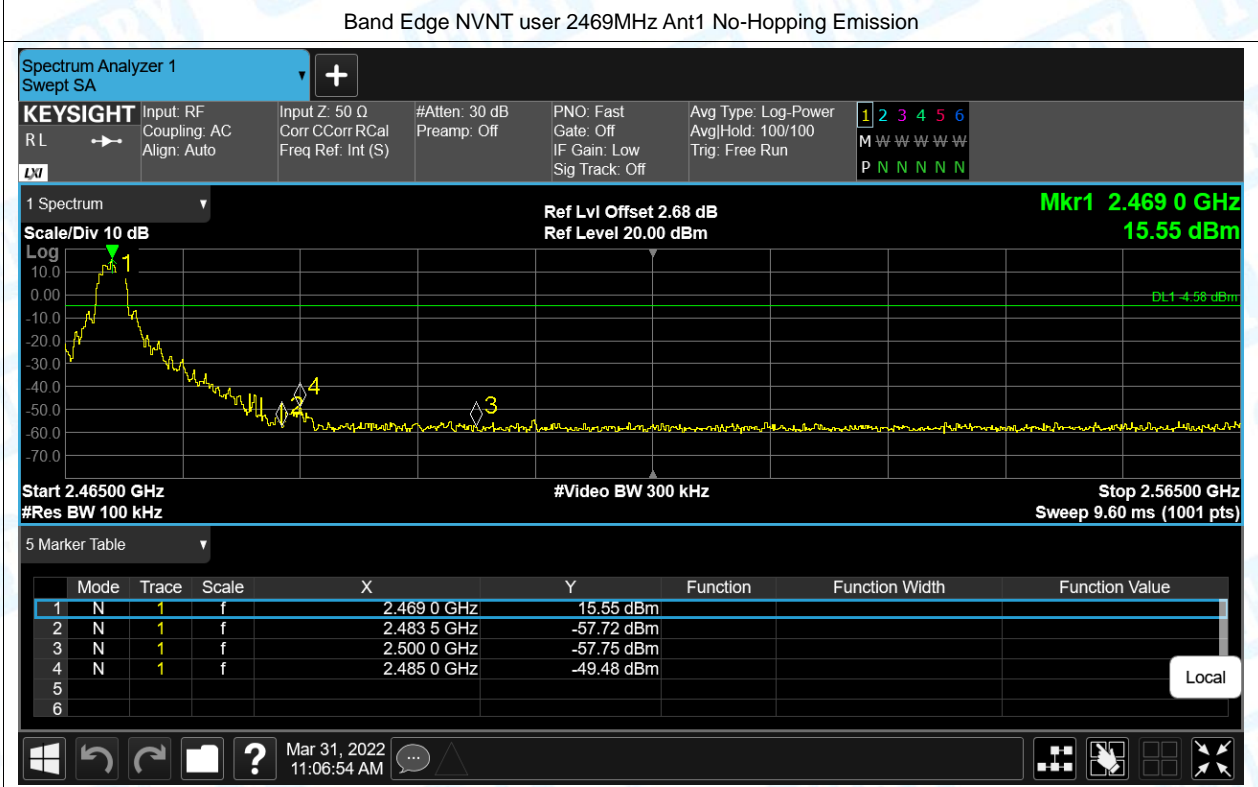
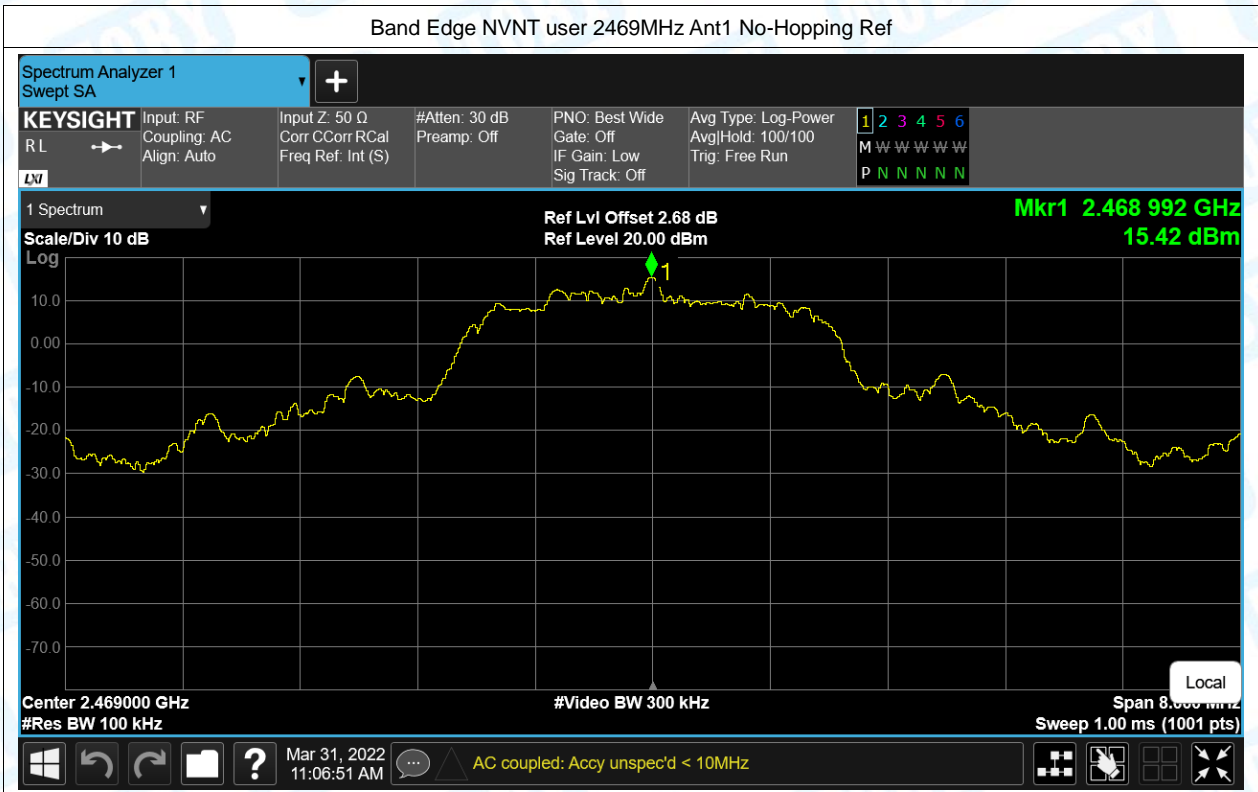




4. Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	GFSK	2412	Ant1	No-Hopping	-63.45	-20	Pass
NVNT	GFSK	2469	Ant1	No-Hopping	-64.9	-20	Pass



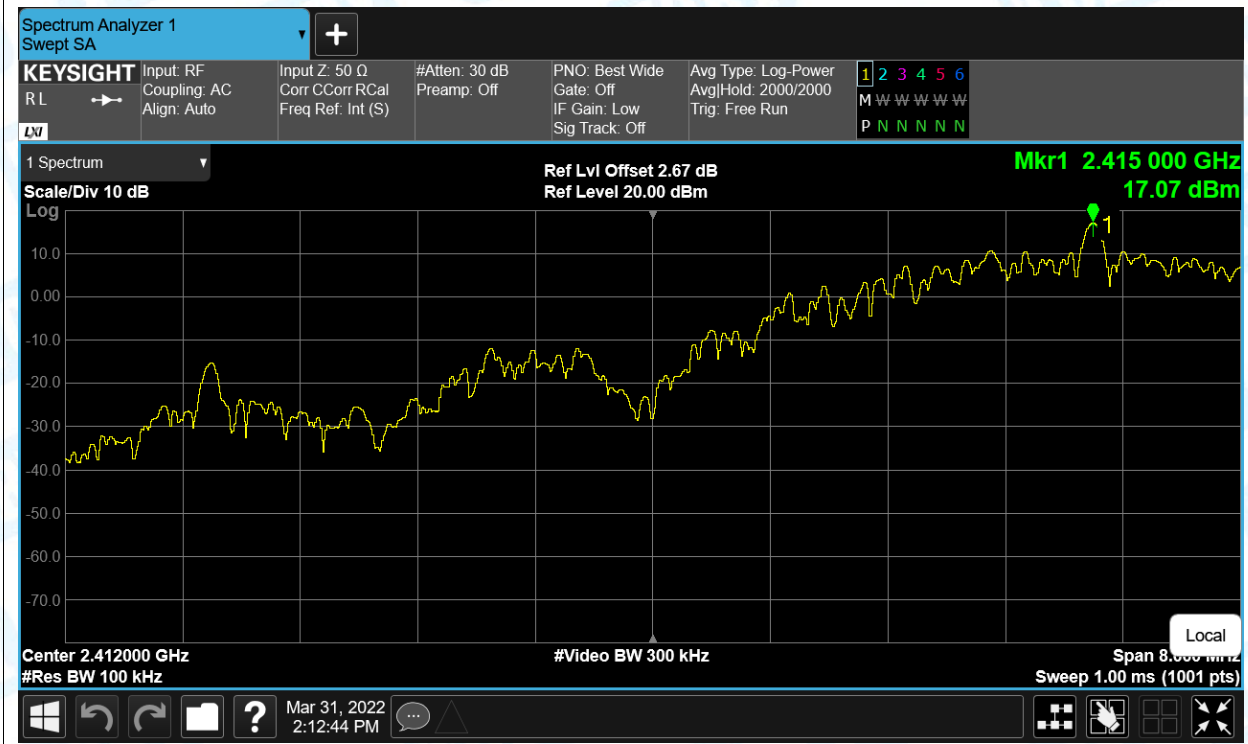


5.Band Edge(Hopping)

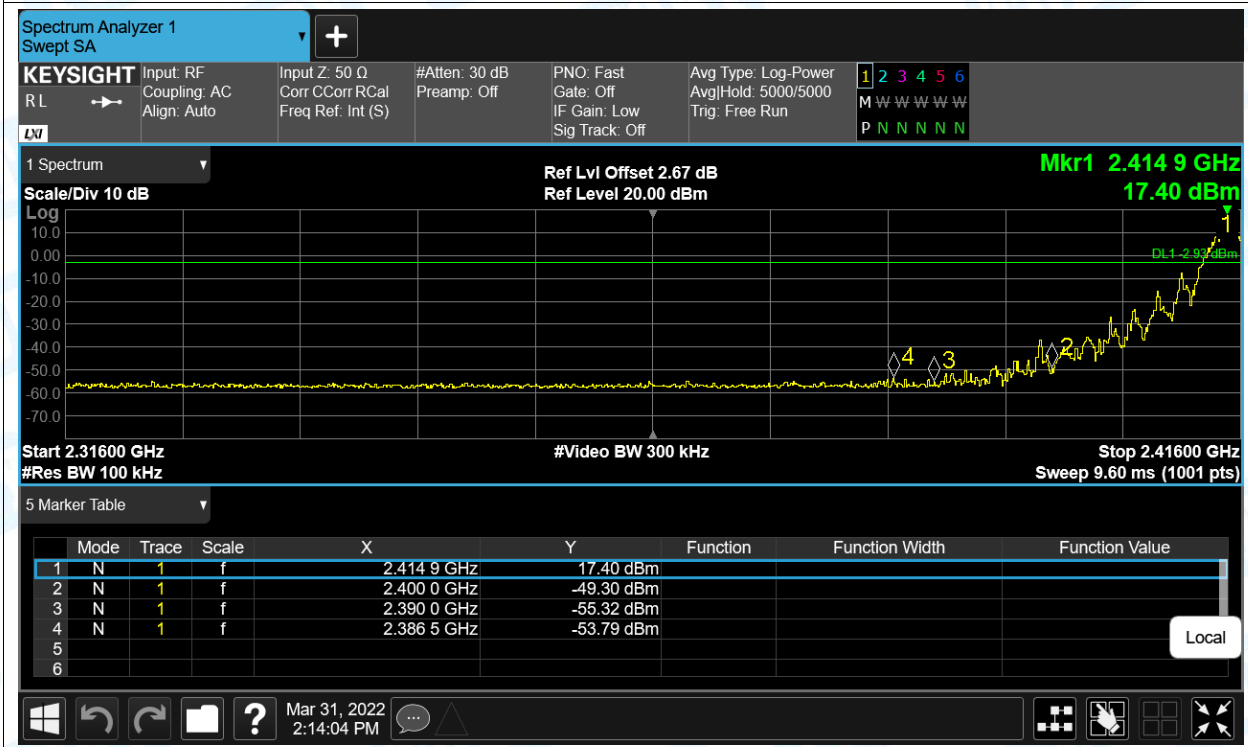
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	GFSK	2412	Ant1	Hopping	-70.86	-20	Pass
NVNT	GFSK	2469	Ant1	Hopping	-48.52	-20	Pass

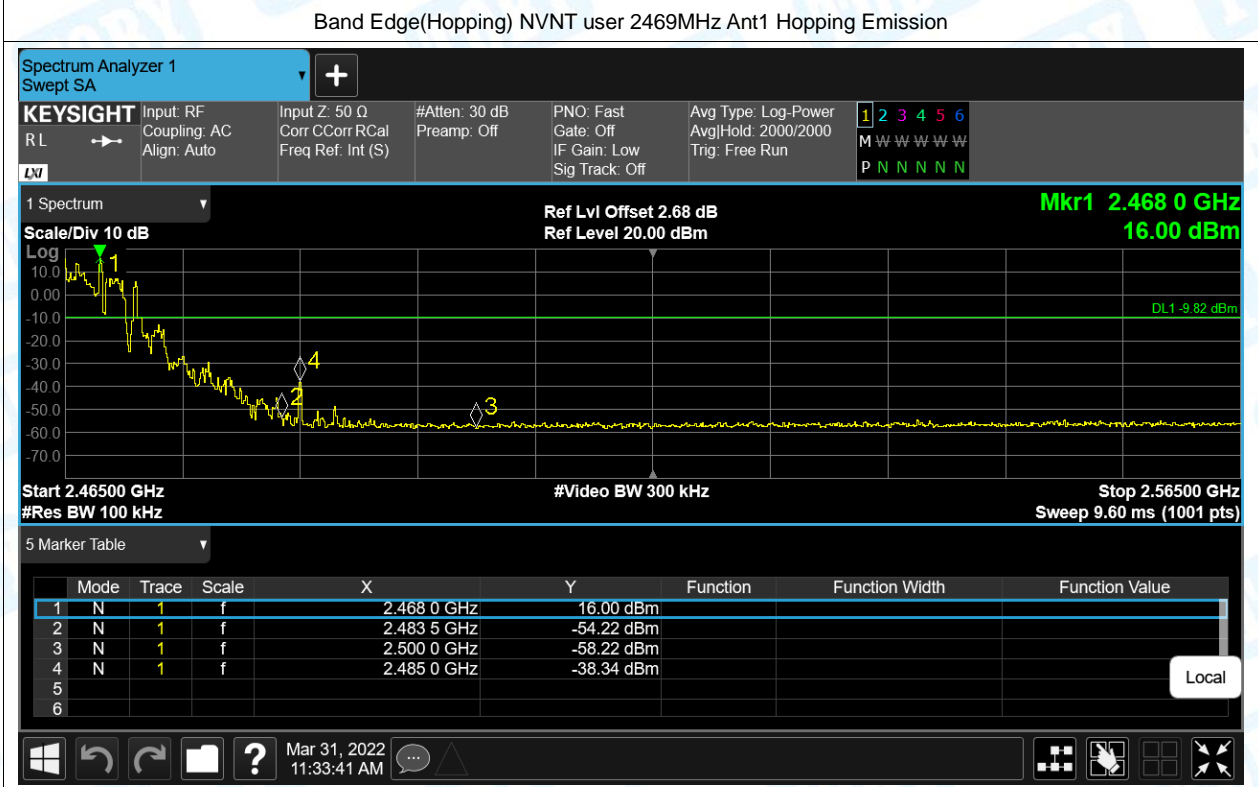
Test Graphs

Band Edge(Hopping) NVNT user 2412MHz Ant1 Hopping Ref



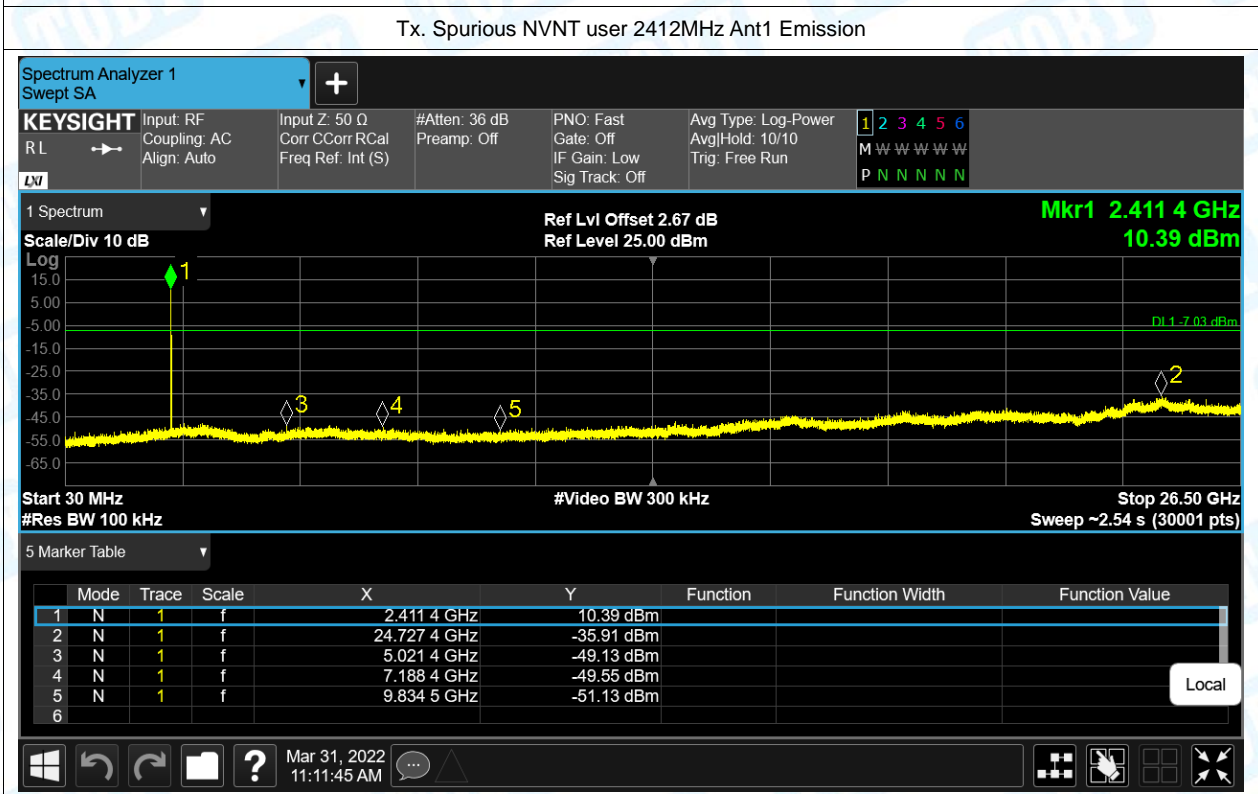
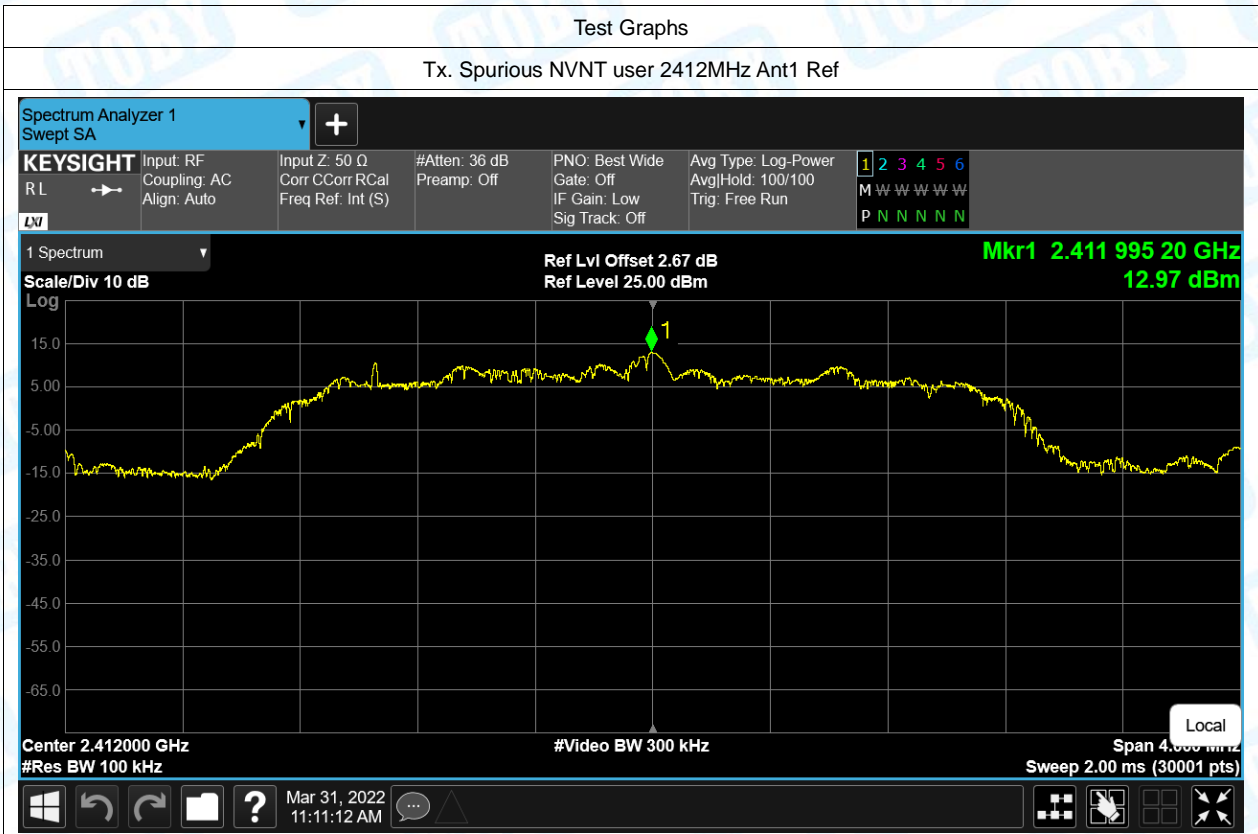
Band Edge(Hopping) NVNT user 2412MHz Ant1 Hopping Emission

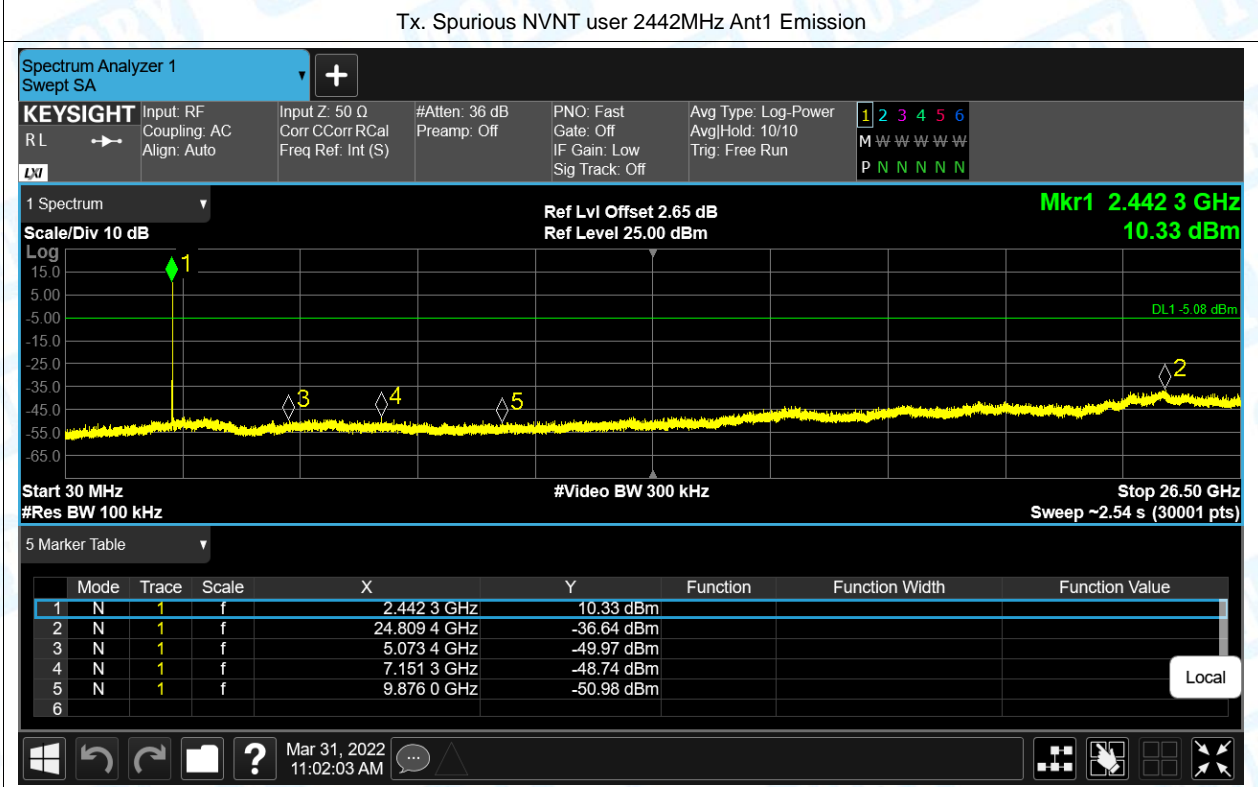
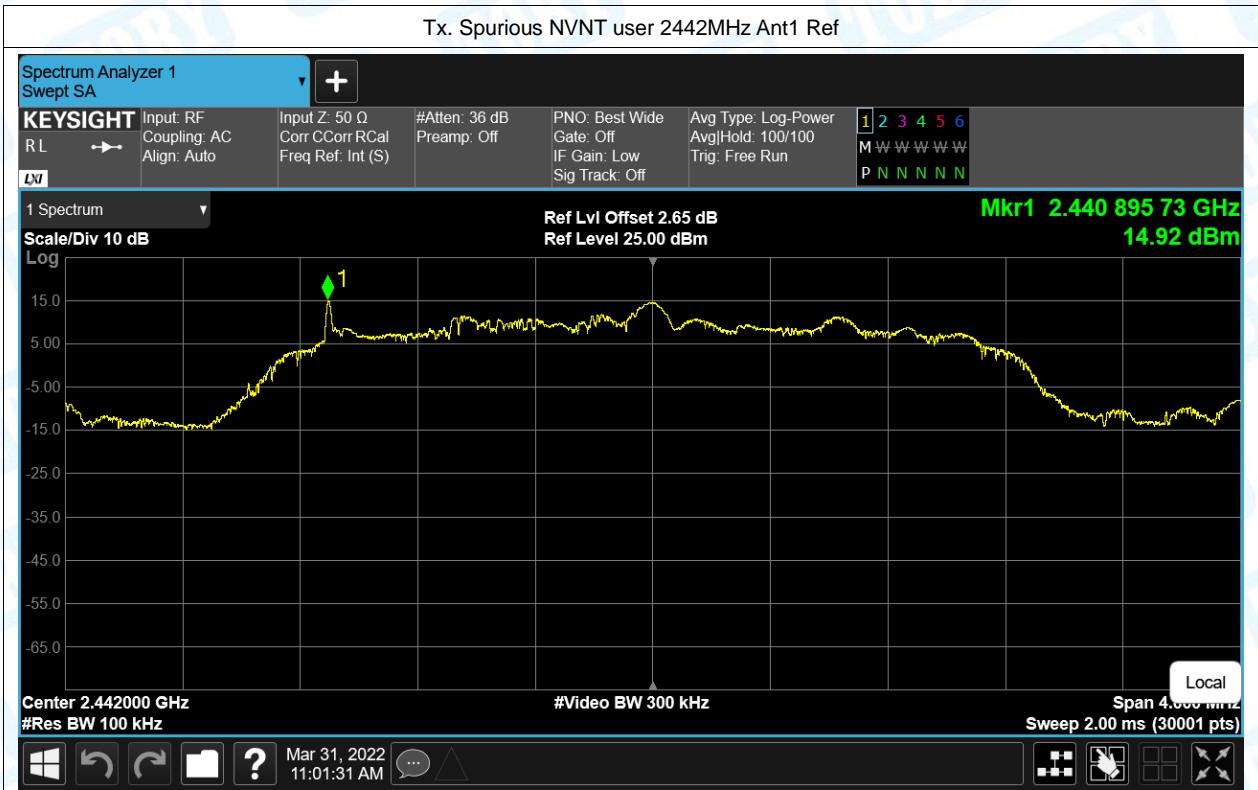


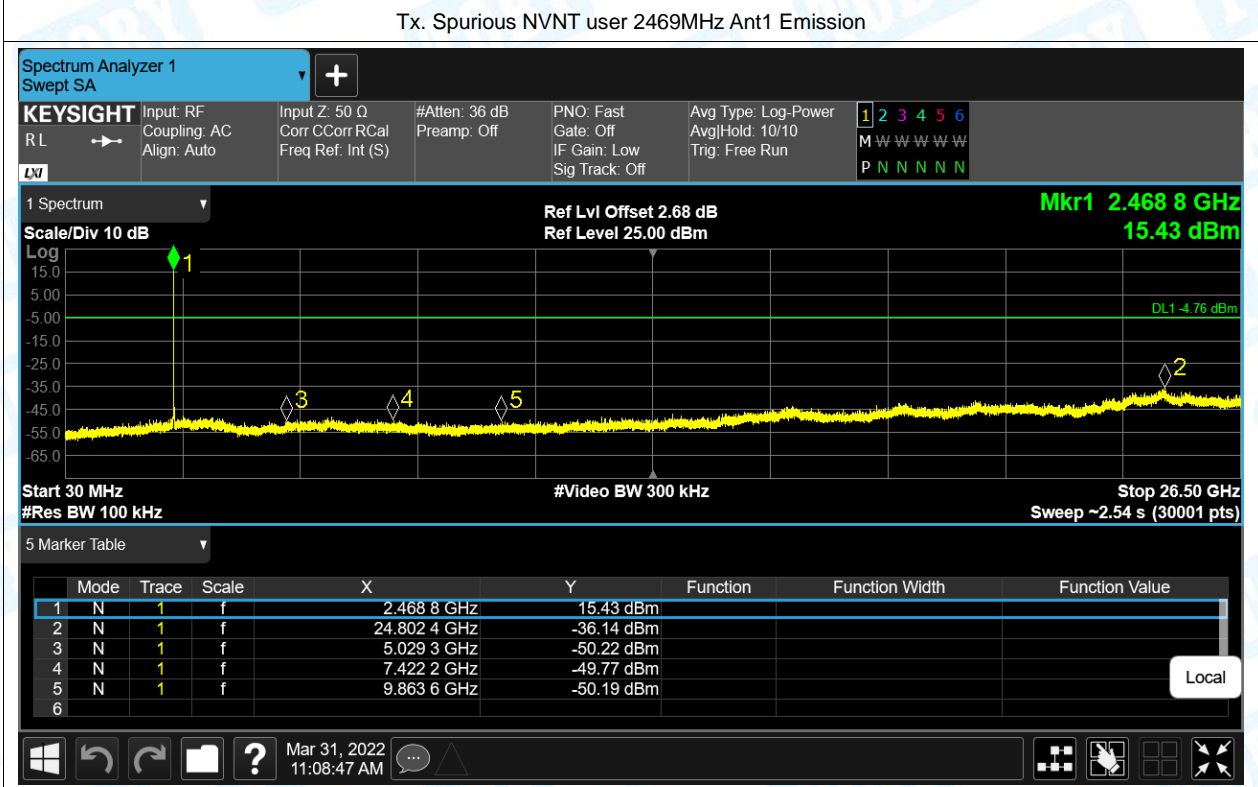
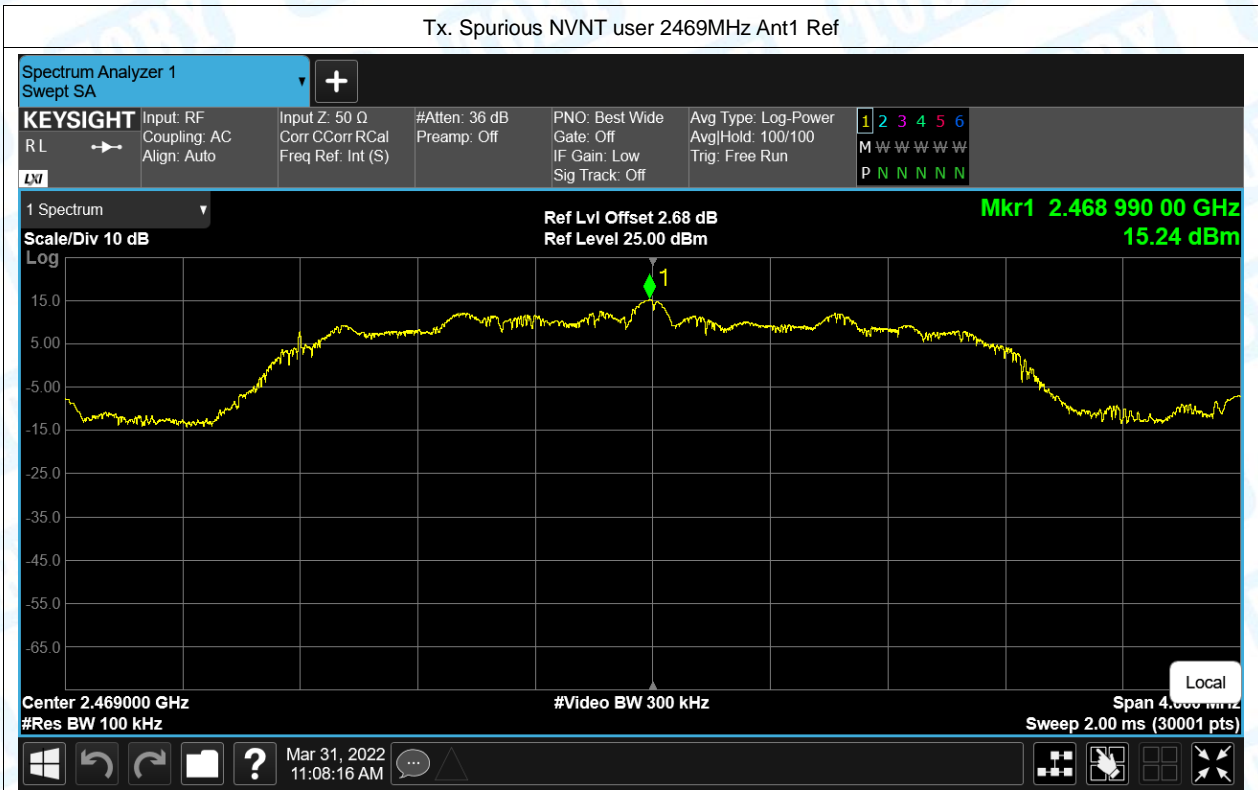


6. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	GFSK	2412	Ant1	-48.88	-20	Pass
NVNT	GFSK	2442	Ant1	-51.56	-20	Pass
NVNT	GFSK	2469	Ant1	-51.38	-20	Pass

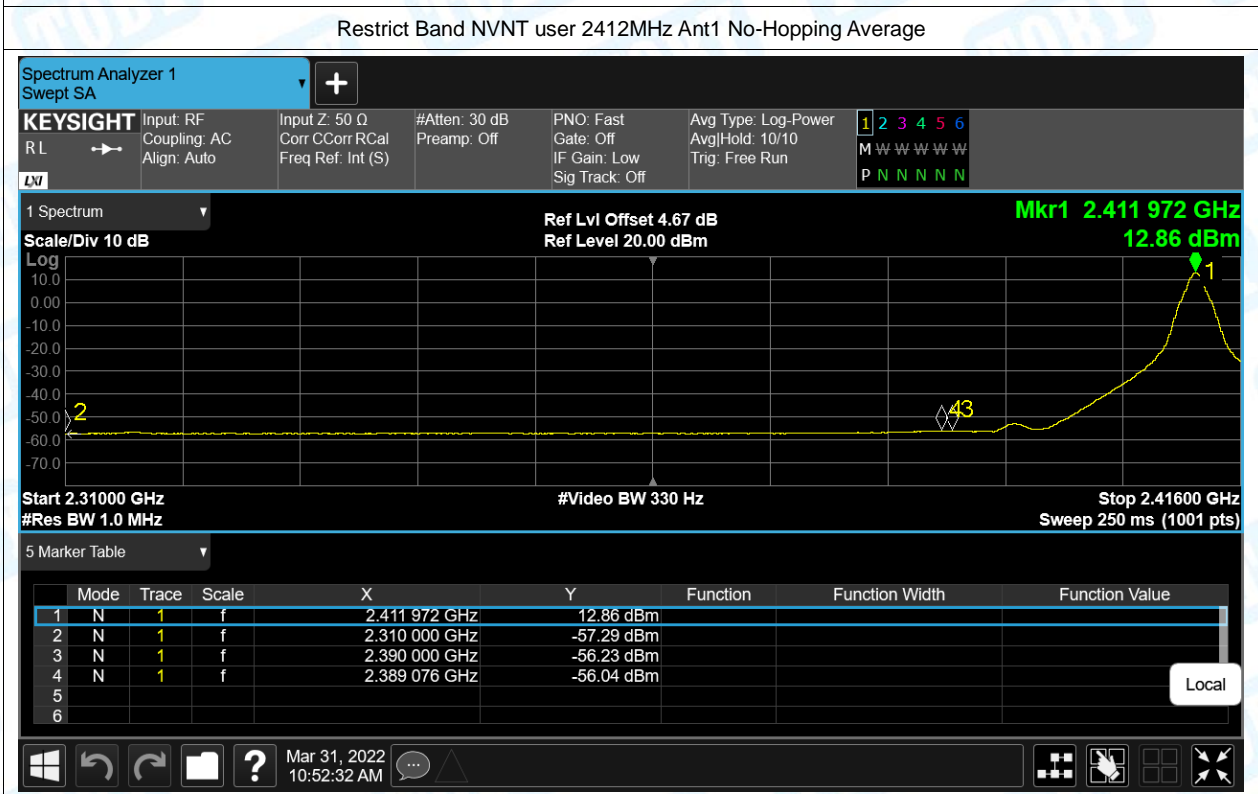
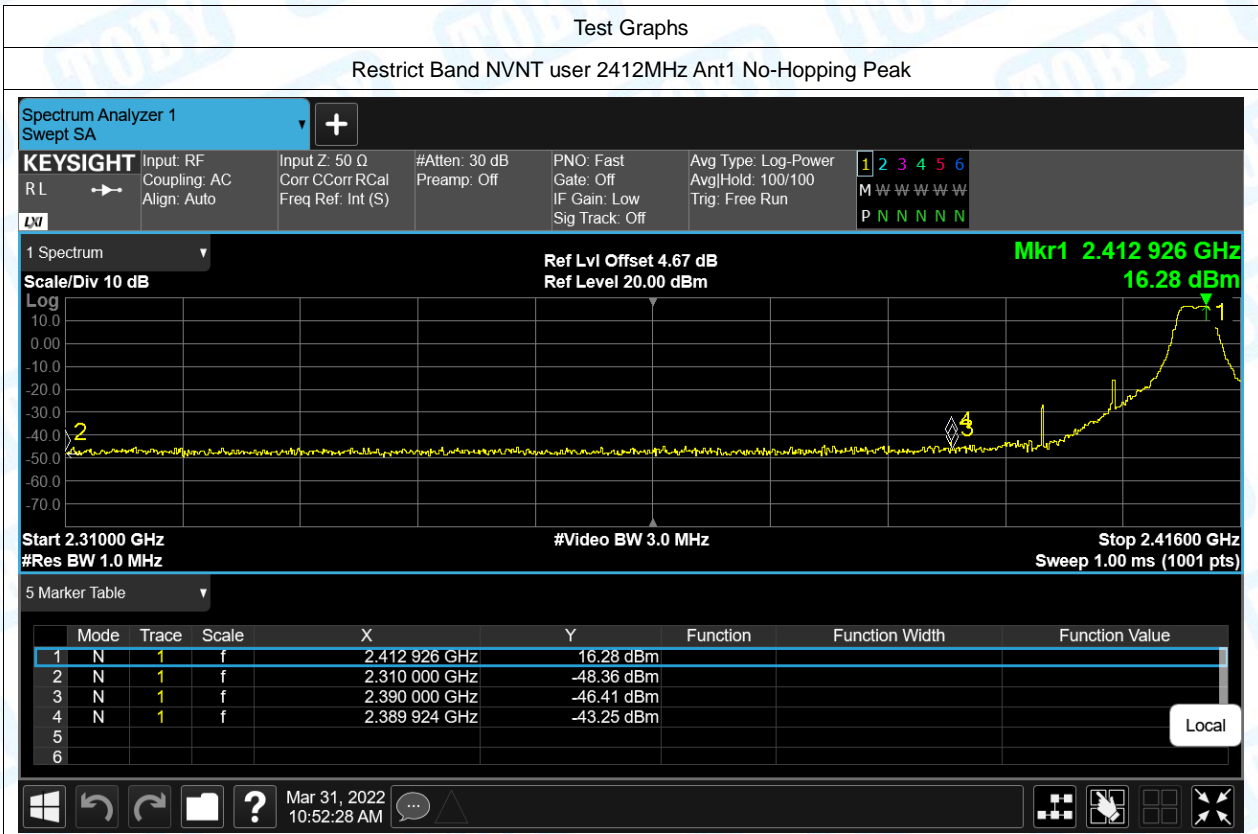


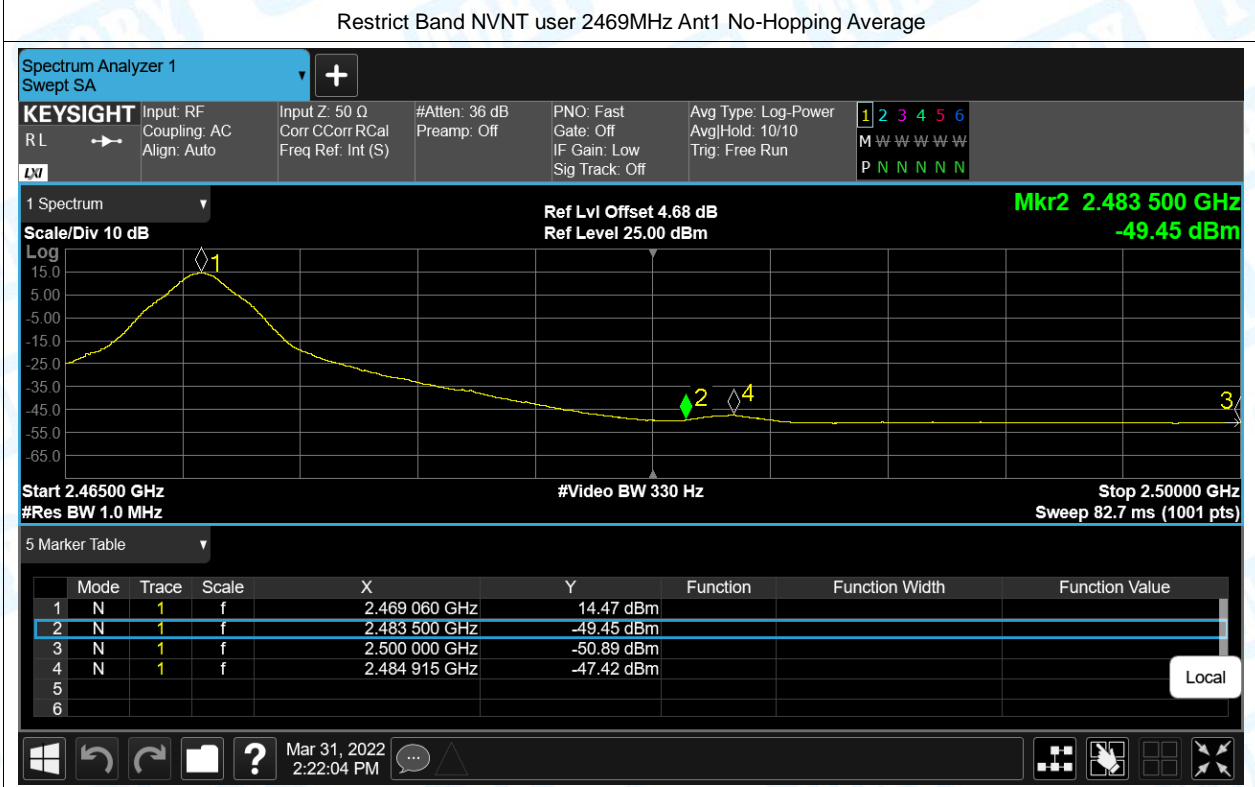
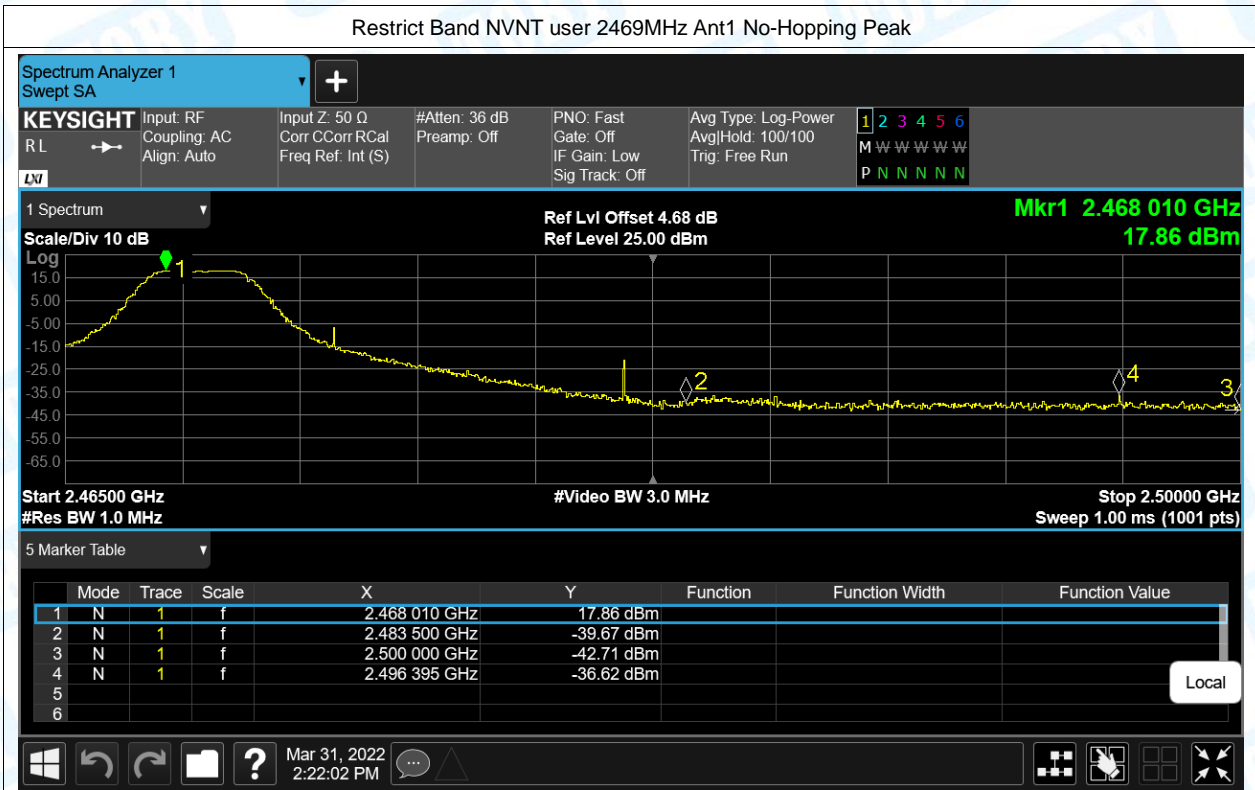




7.Restrict Band

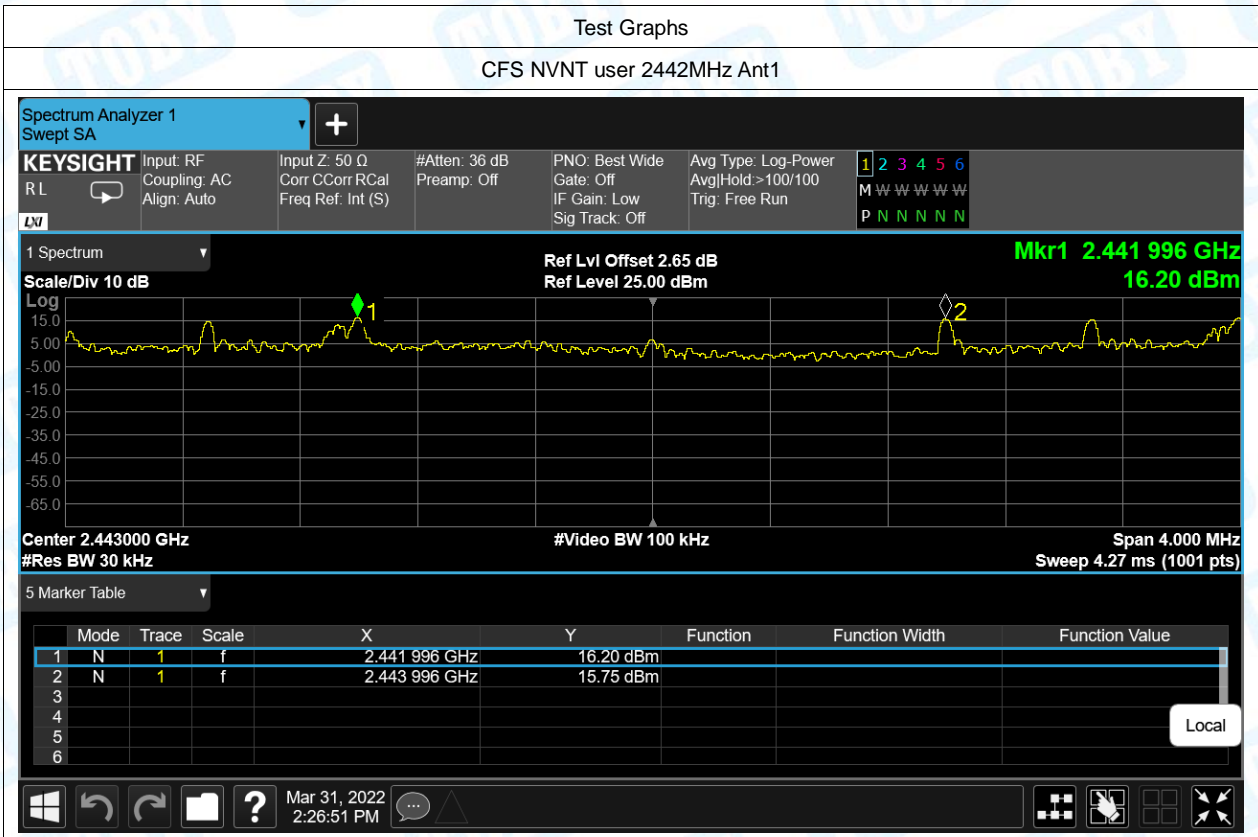
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	GFSK	2412	Ant1	No-Hopping	2310	-48.36	2	48.9	Peak	74	Pass
NVNT	GFSK	2412	Ant1	No-Hopping	2310	-57.29	2	39.97	Average	54	Pass
NVNT	GFSK	2412	Ant1	No-Hopping	2389.924	-43.25	2	54.01	Peak	74	Pass
NVNT	GFSK	2412	Ant1	No-Hopping	2389.076	-56.04	2	41.22	Average	54	Pass
NVNT	GFSK	2412	Ant1	No-Hopping	2390	-46.41	2	50.85	Peak	74	Pass
NVNT	GFSK	2412	Ant1	No-Hopping	2390	-56.23	2	41.03	Average	54	Pass
NVNT	GFSK	2469	Ant1	No-Hopping	2483.5	-39.67	2	57.59	Peak	74	Pass
NVNT	GFSK	2469	Ant1	No-Hopping	2483.5	-49.45	2	47.81	Average	54	Pass
NVNT	GFSK	2469	Ant1	No-Hopping	2496.395	-36.62	2	60.64	Peak	74	Pass
NVNT	GFSK	2469	Ant1	No-Hopping	2484.915	-47.42	2	49.84	Average	54	Pass
NVNT	GFSK	2469	Ant1	No-Hopping	2500	-42.71	2	54.55	Peak	74	Pass
NVNT	GFSK	2469	Ant1	No-Hopping	2500	-50.89	2	46.37	Average	54	Pass





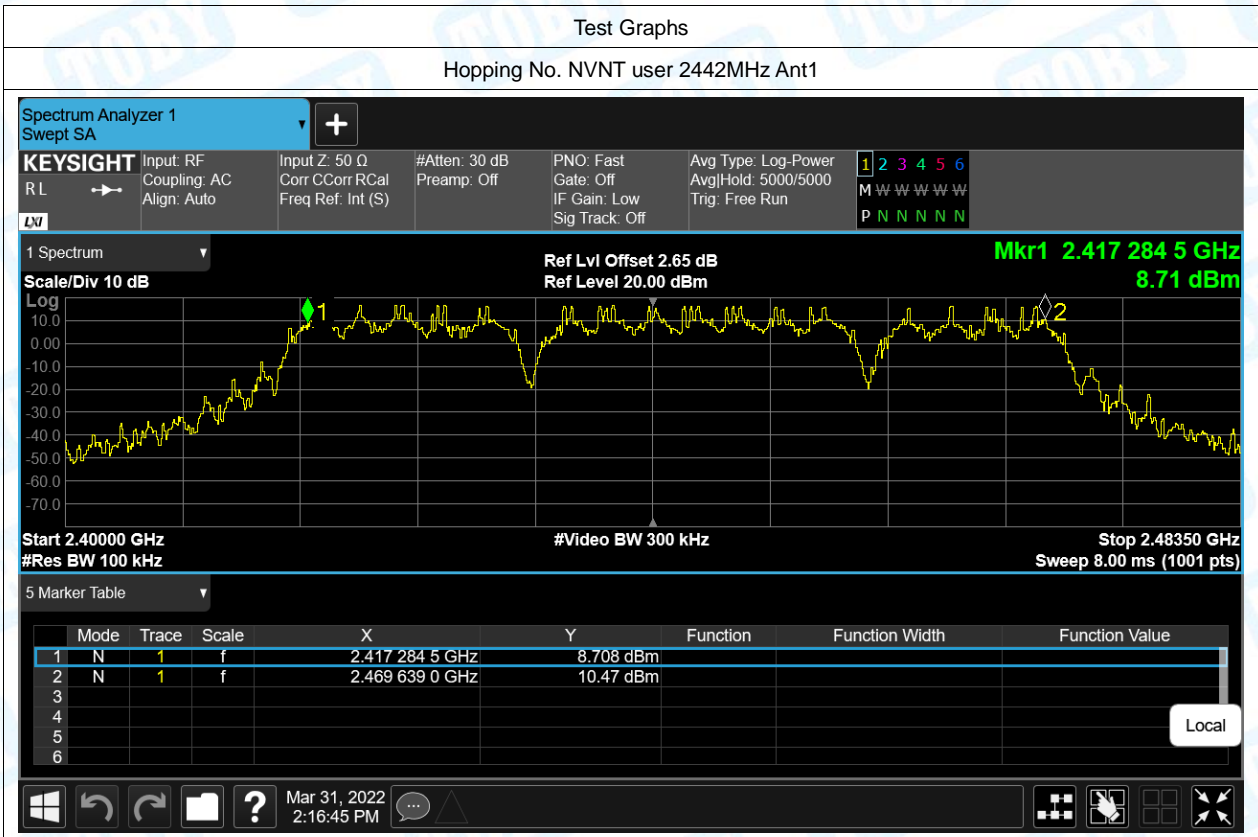
8.Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	GFSK	Ant1	2441.996	2443.996	2	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	0.588	188.16	31600	400	Pass

