

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

| General Description of EUT                                                                                                                   |                         |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Product Name:                                                                                                                                | Smart Watch             |
| Test Model:                                                                                                                                  | HD12                    |
| Sample ID:                                                                                                                                   | HC-C-202402-0121-01-02# |
| Environmental Conditions                                                                                                                     |                         |
| Temperature:                                                                                                                                 | 25℃                     |
| Relative Humidity:                                                                                                                           | 55%                     |
| Test Voltage:                                                                                                                                | DC 5V                   |
| Test Engineer:                                                                                                                               | Jolin Lee               |
| Note: For a more detailed features description, please refer to the report TBR-C-202402-0121-31<br>The report only show the worst case data. |                         |

## Contents

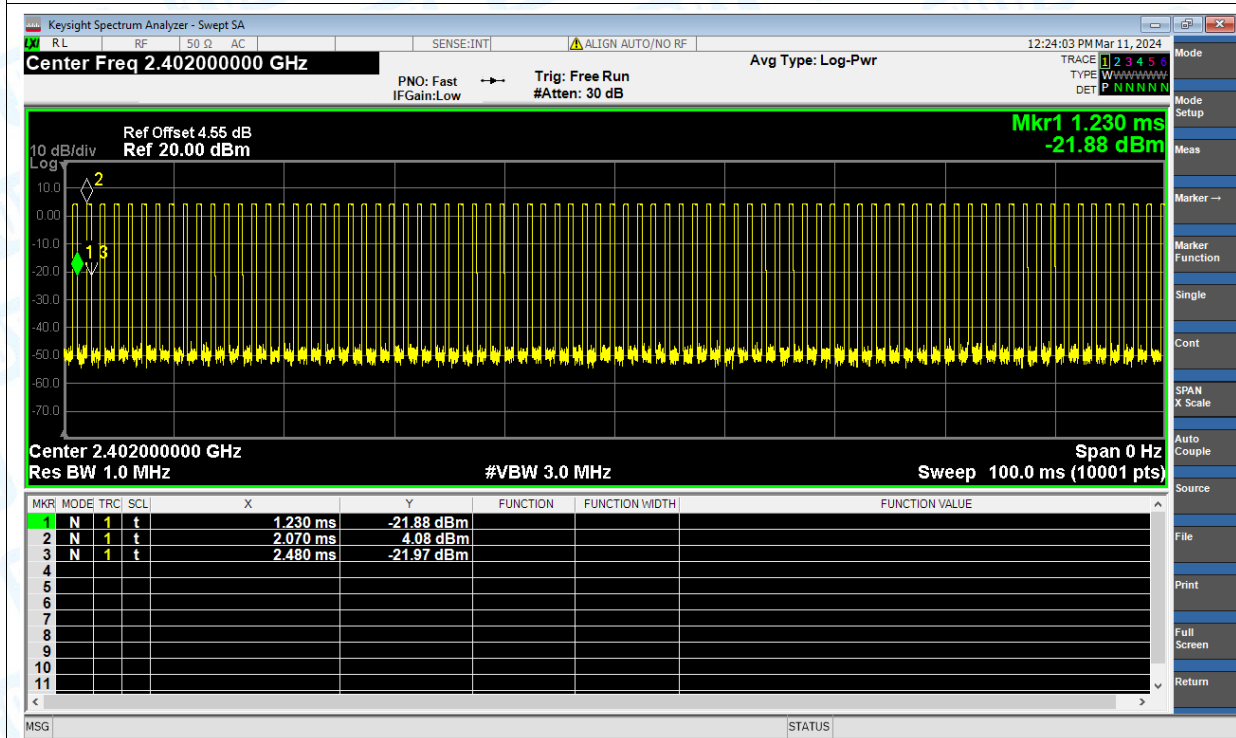
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1.Duty Cycle

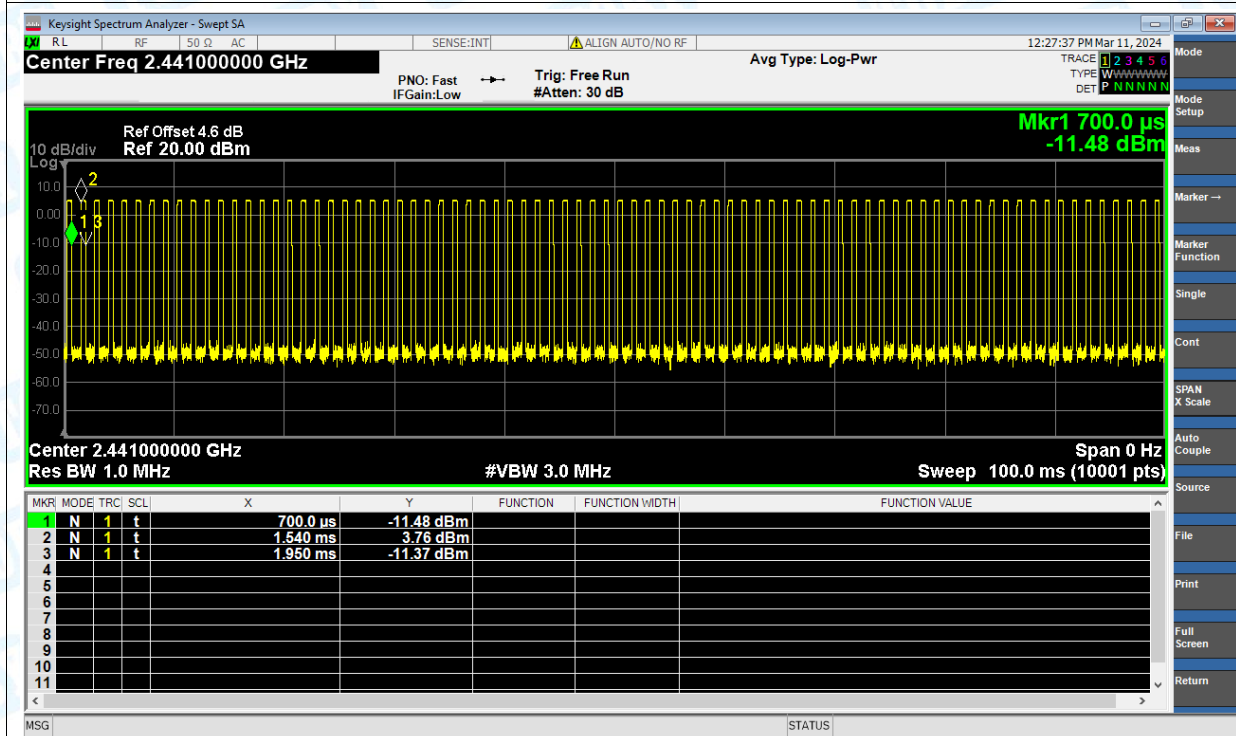
| Condition | Mode  | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|-------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 32.8           | 4.84                   | 2.44      |
| NVNT      | 1-DH1 | 2441            | Ant1    | 32.8           | 4.84                   | 2.44      |
| NVNT      | 1-DH1 | 2480            | Ant1    | 32.8           | 4.84                   | 2.44      |
| NVNT      | 2-DH1 | 2402            | Ant1    | 33.6           | 4.74                   | 2.38      |
| NVNT      | 2-DH1 | 2441            | Ant1    | 34.4           | 4.63                   | 2.33      |
| NVNT      | 2-DH1 | 2480            | Ant1    | 33.6           | 4.74                   | 2.38      |
| NVNT      | 3-DH1 | 2402            | Ant1    | 33.6           | 4.74                   | 2.38      |
| NVNT      | 3-DH1 | 2441            | Ant1    | 33.6           | 4.74                   | 2.38      |
| NVNT      | 3-DH1 | 2480            | Ant1    | 33.6           | 4.74                   | 2.38      |

## Test Graphs

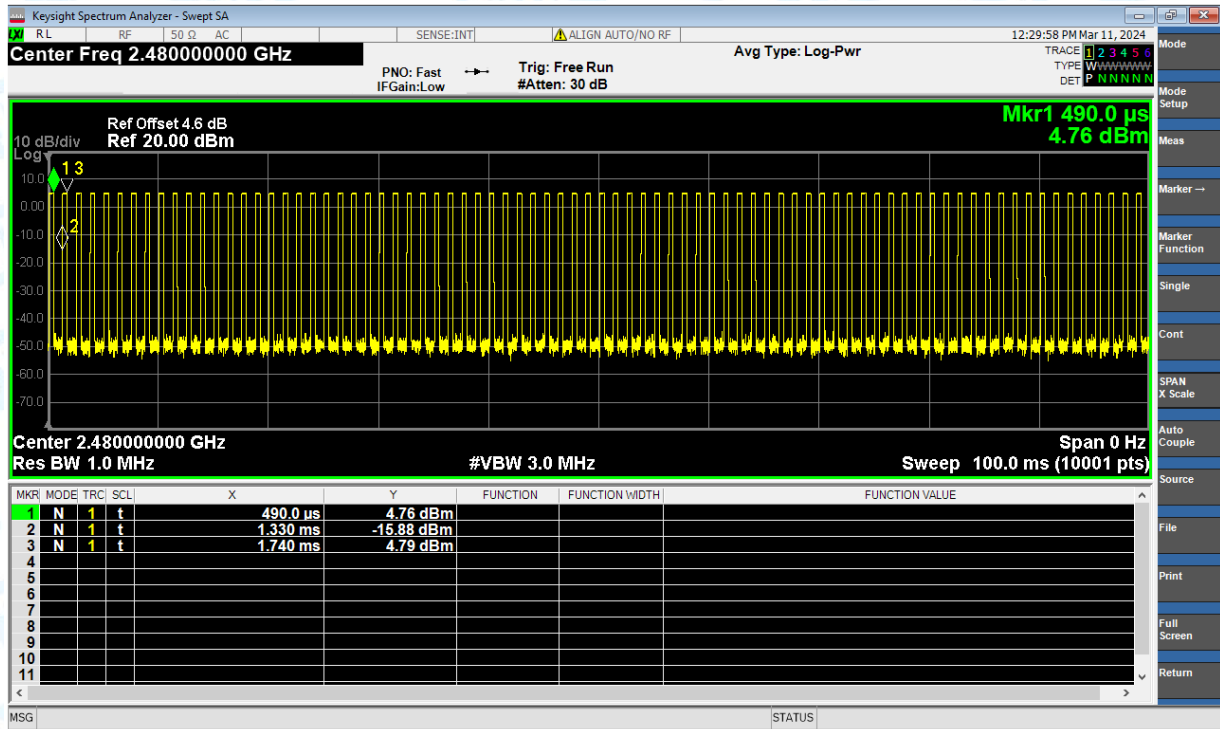
### Duty Cycle NVNT 1-DH1 2402MHz Ant1



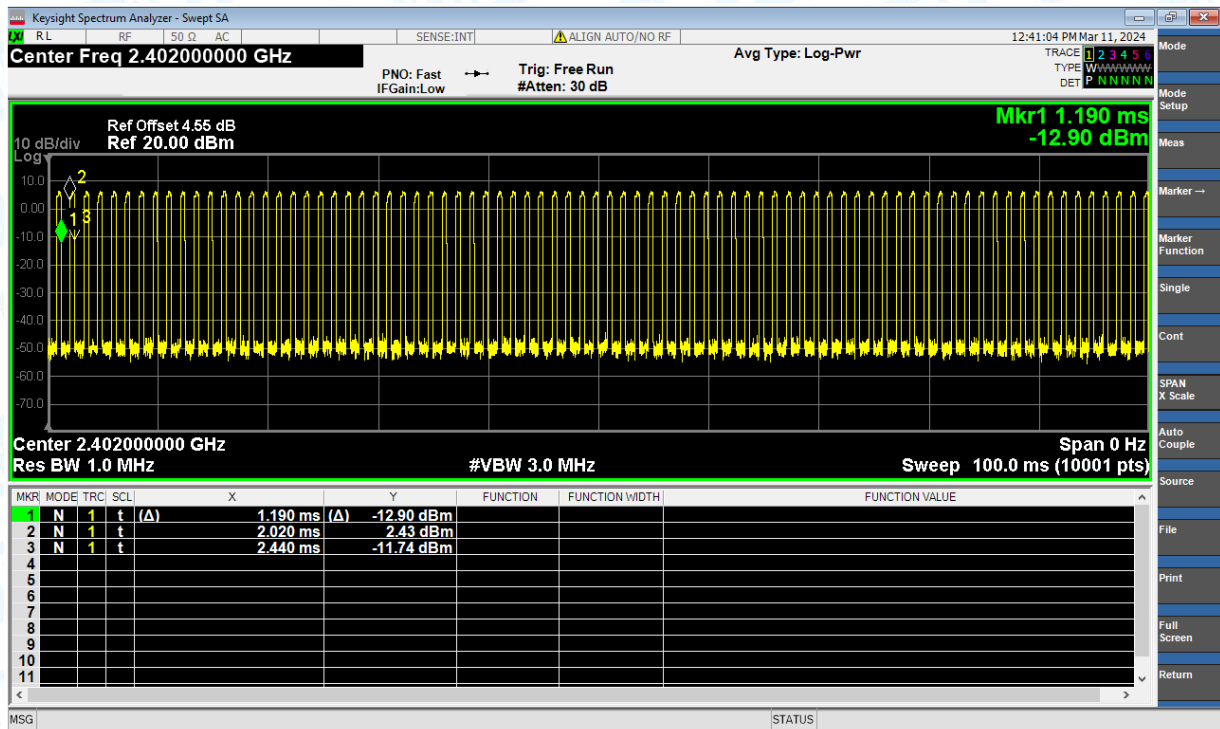
### Duty Cycle NVNT 1-DH1 2441MHz Ant1



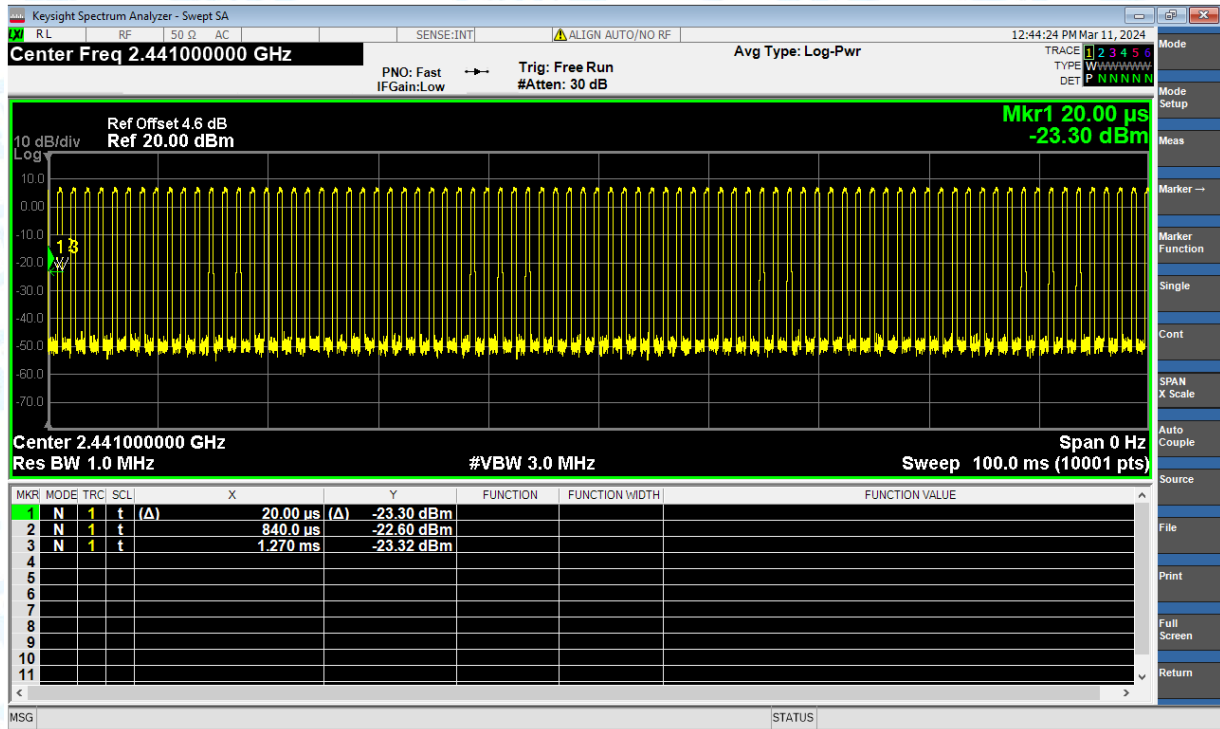
### Duty Cycle NVNT 1-DH1 2480MHz Ant1



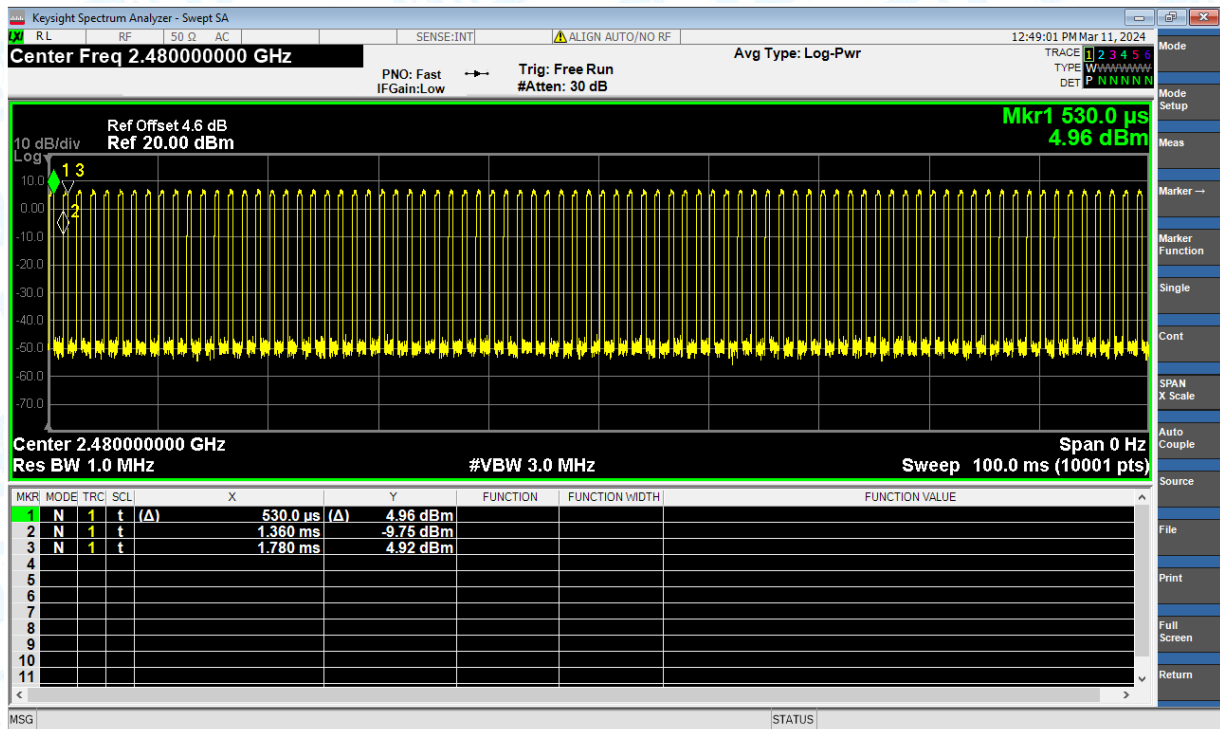
### Duty Cycle NVNT 2-DH1 2402MHz Ant1



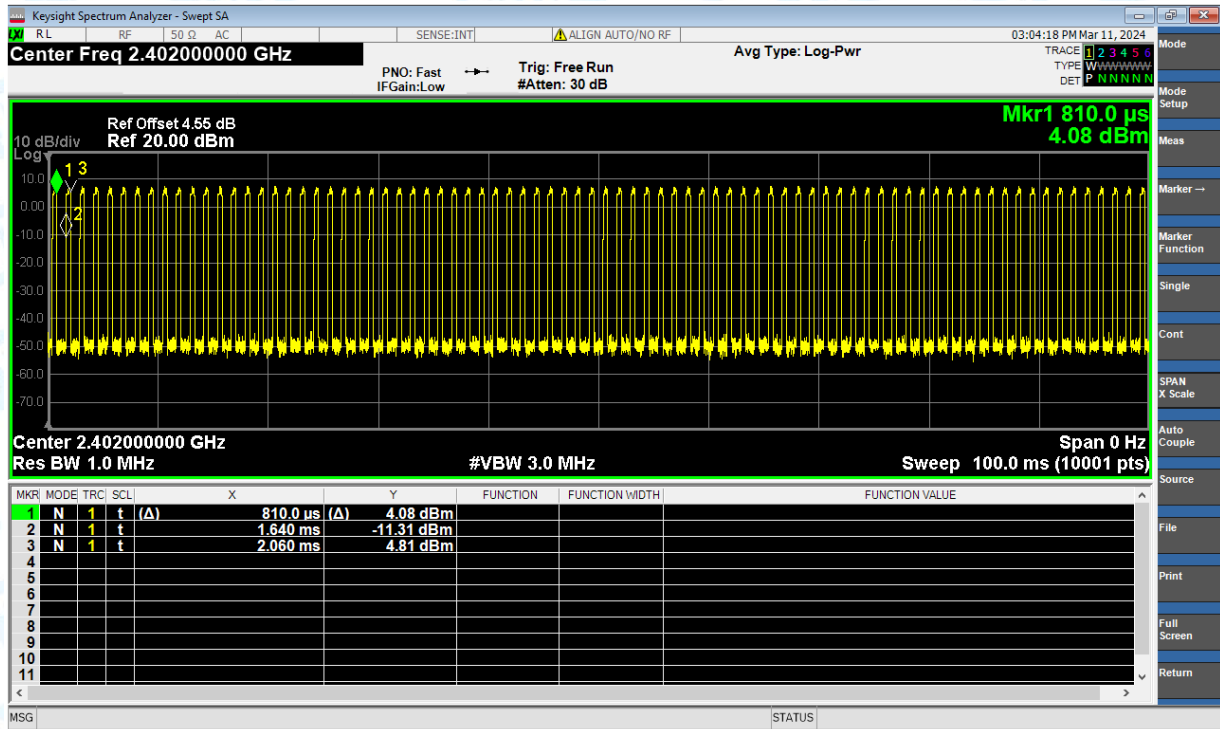
### Duty Cycle NVNT 2-DH1 2441MHz Ant1



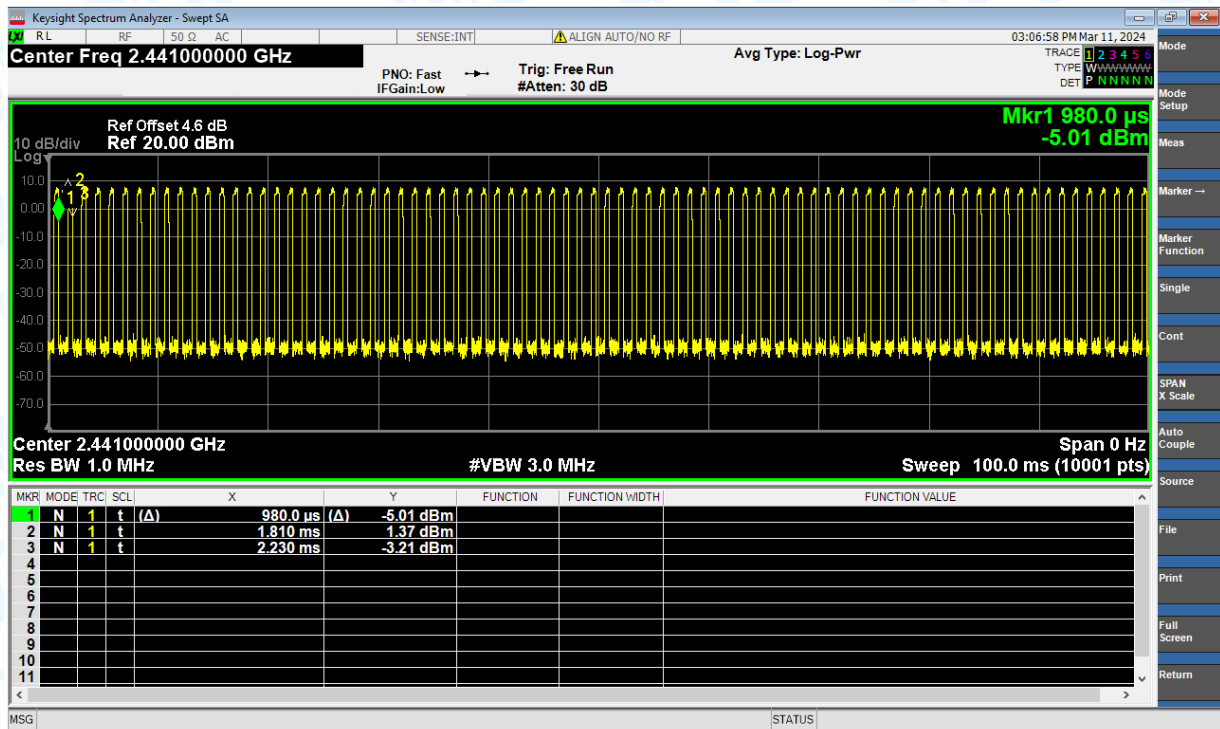
### Duty Cycle NVNT 2-DH1 2480MHz Ant1

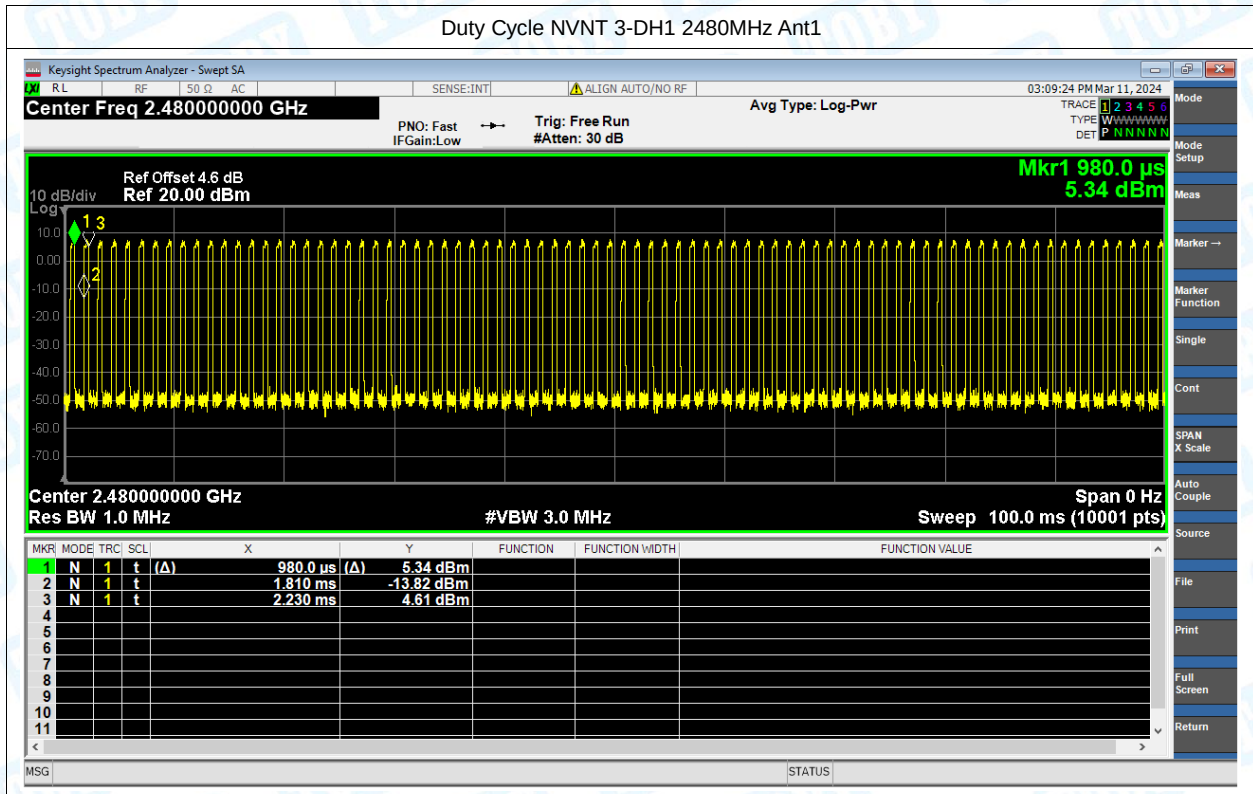


### Duty Cycle NVNT 3-DH1 2402MHz Ant1



### Duty Cycle NVNT 3-DH1 2441MHz Ant1



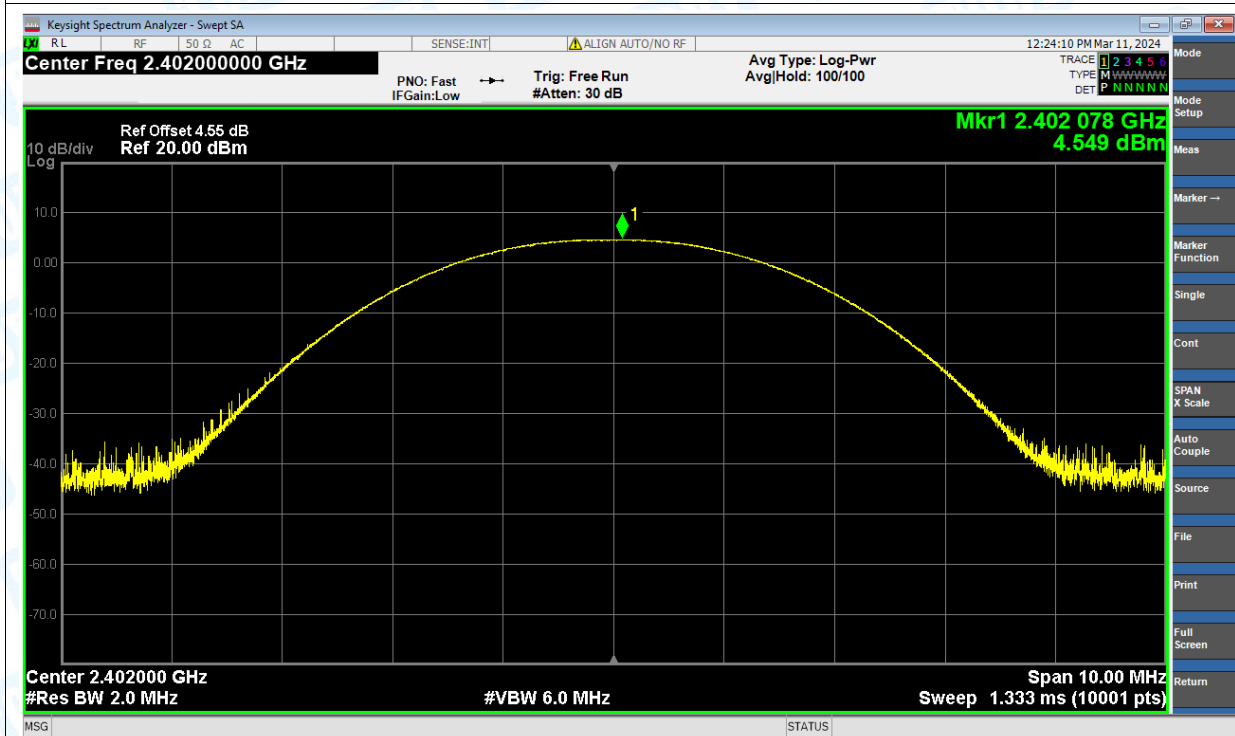


## 2.Maximum Conducted Output Power

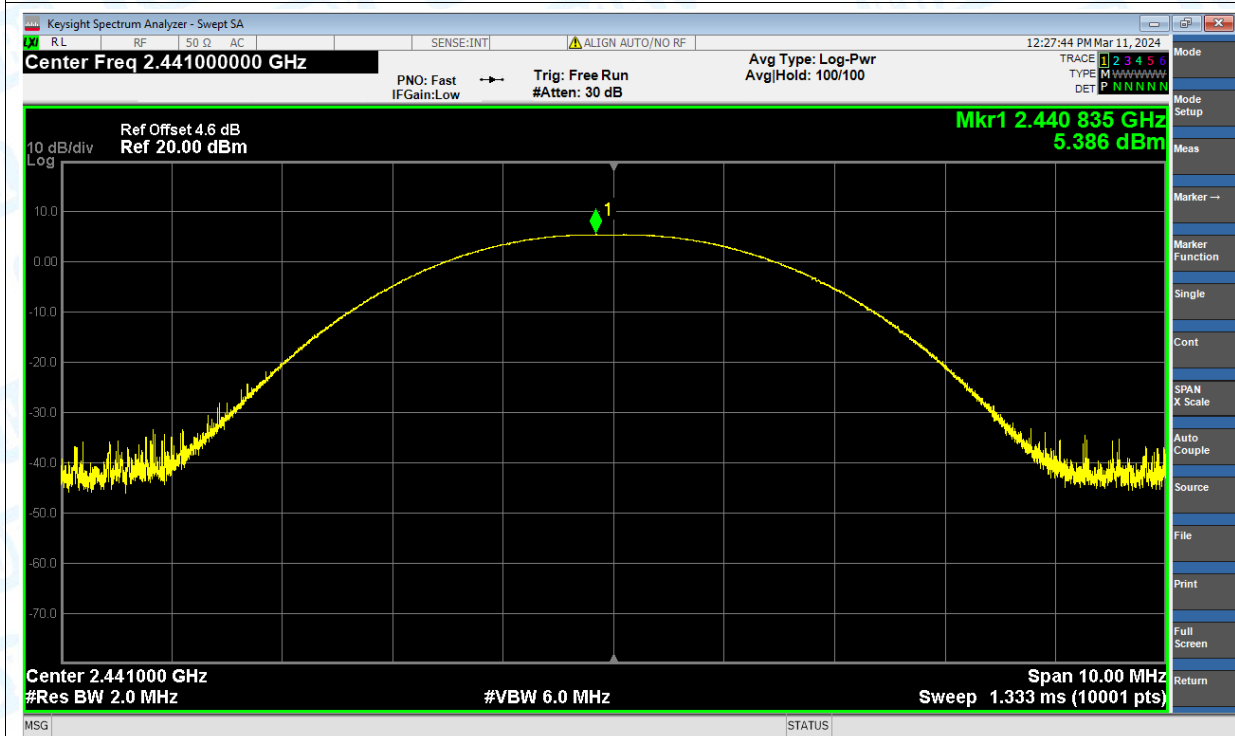
| Condition | Mode  | Frequency<br>(MHz) | Antenna | Conducted Power<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|-------|--------------------|---------|--------------------------|----------------|---------|
| NVNT      | 1-DH1 | 2402               | Ant1    | 4.549                    | 21             | Pass    |
| NVNT      | 1-DH1 | 2441               | Ant1    | 5.386                    | 21             | Pass    |
| NVNT      | 1-DH1 | 2480               | Ant1    | 5.215                    | 21             | Pass    |
| NVNT      | 2-DH1 | 2402               | Ant1    | 6.941                    | 21             | Pass    |
| NVNT      | 2-DH1 | 2441               | Ant1    | 7.642                    | 21             | Pass    |
| NVNT      | 2-DH1 | 2480               | Ant1    | 7.465                    | 21             | Pass    |
| NVNT      | 3-DH1 | 2402               | Ant1    | 7.724                    | 21             | Pass    |
| NVNT      | 3-DH1 | 2441               | Ant1    | 8.305                    | 21             | Pass    |
| NVNT      | 3-DH1 | 2480               | Ant1    | 8                        | 21             | Pass    |

### Test Graphs

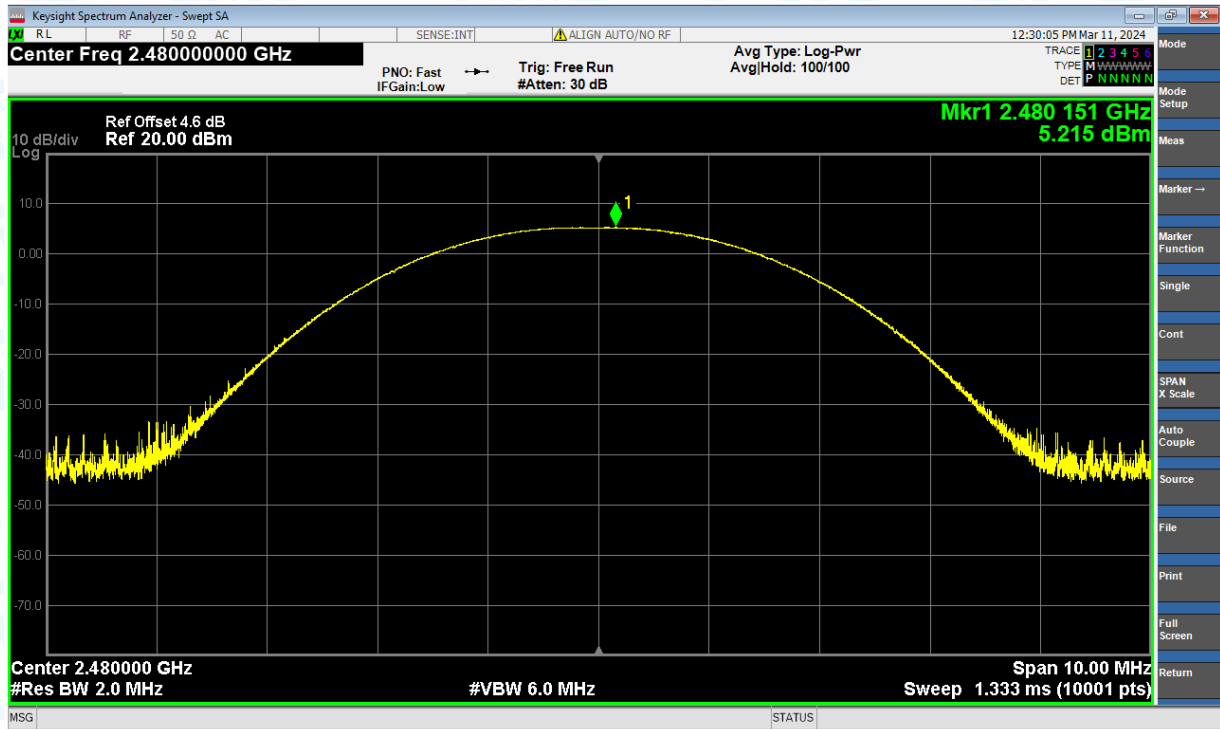
Power NVNT 1-DH1 2402MHz Ant1



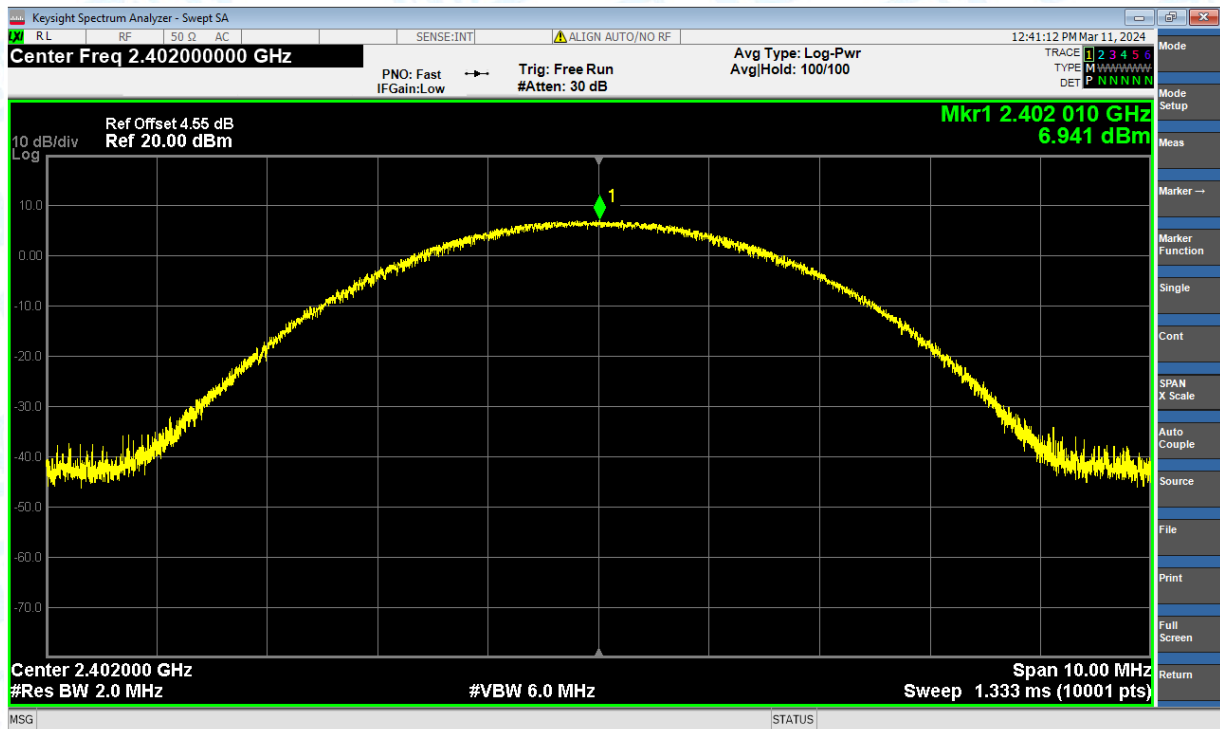
Power NVNT 1-DH1 2441MHz Ant1



Power NVNT 1-DH1 2480MHz Ant1



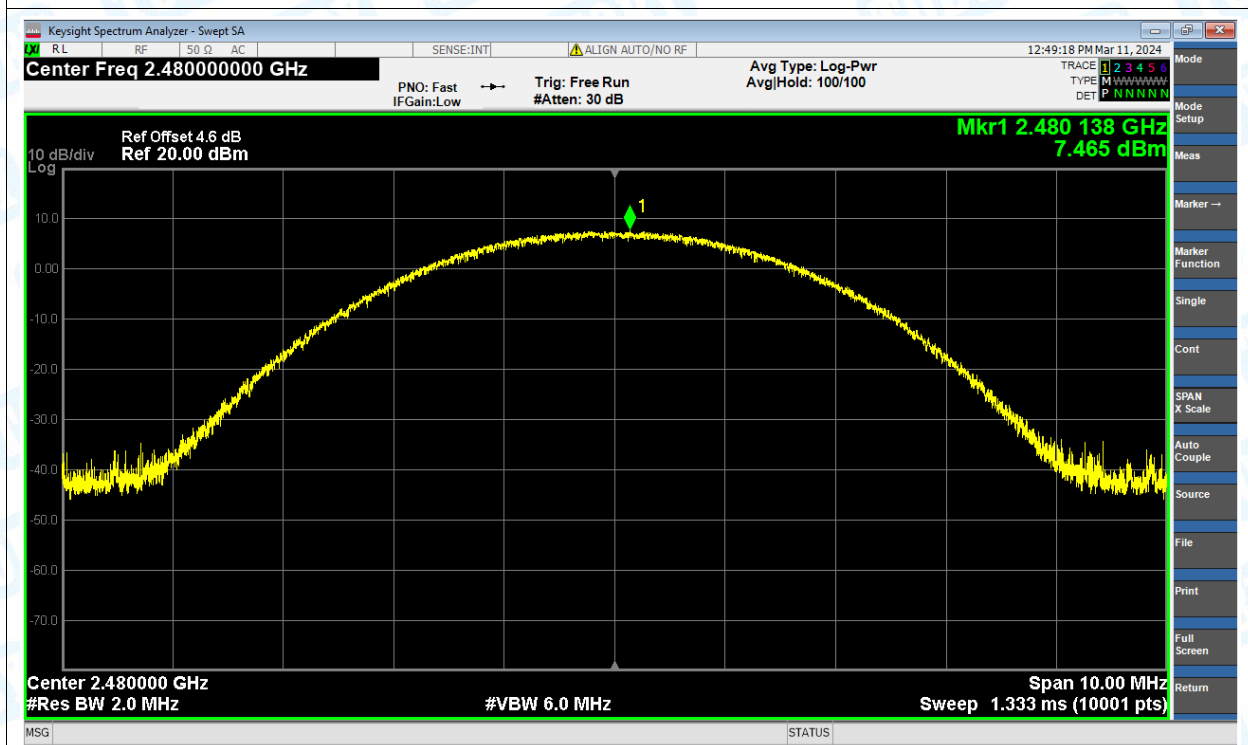
Power NVNT 2-DH1 2402MHz Ant1



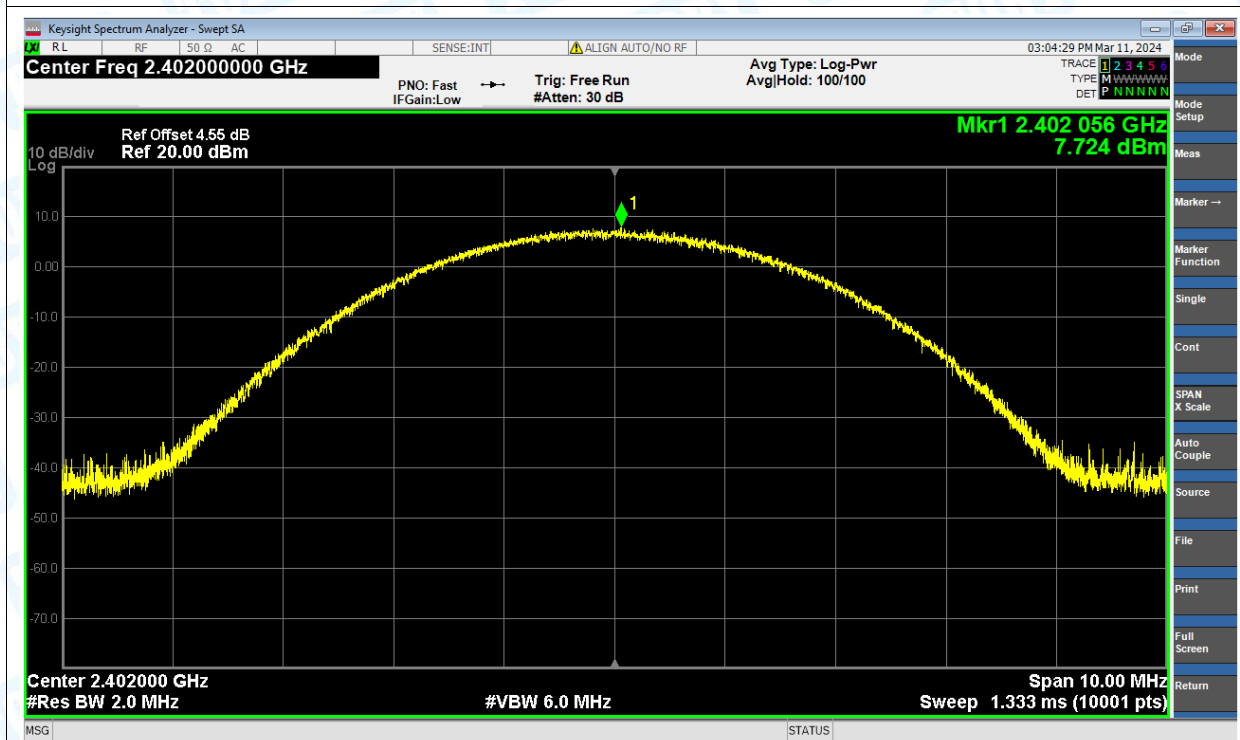
Power NVNT 2-DH1 2441MHz Ant1



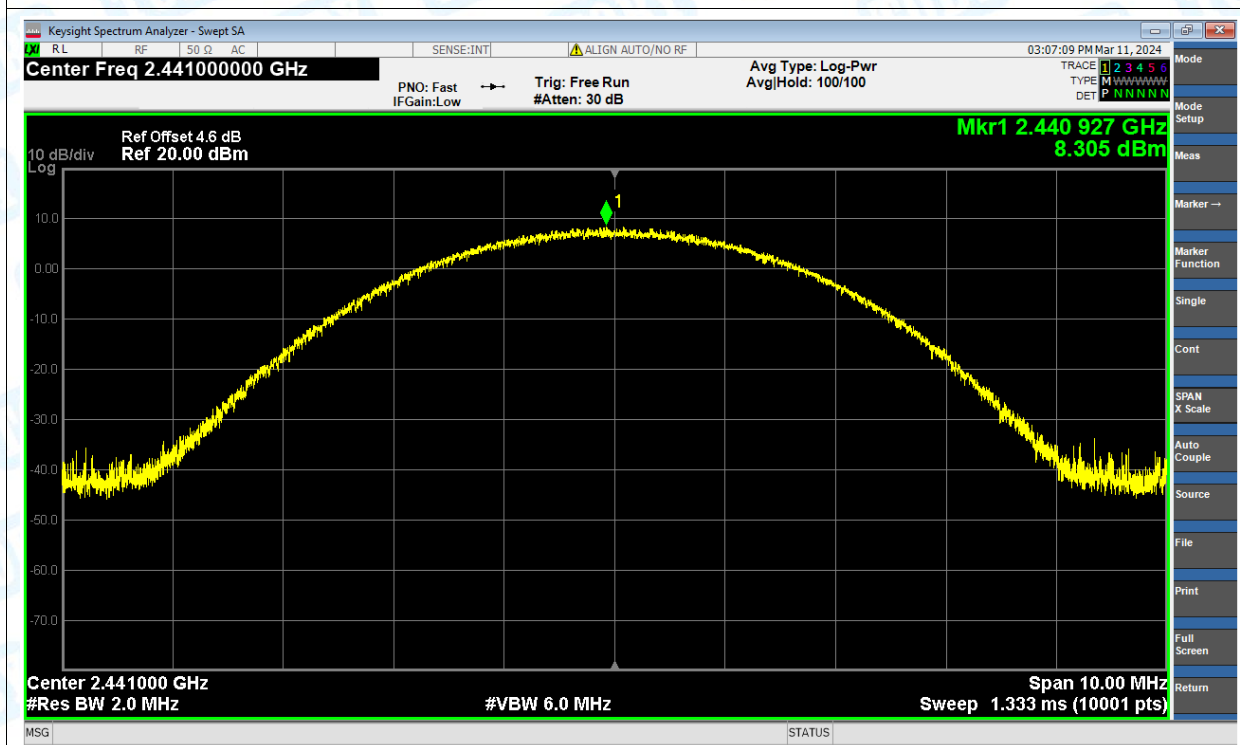
Power NVNT 2-DH1 2480MHz Ant1



Power NVNT 3-DH1 2402MHz Ant1



Power NVNT 3-DH1 2441MHz Ant1



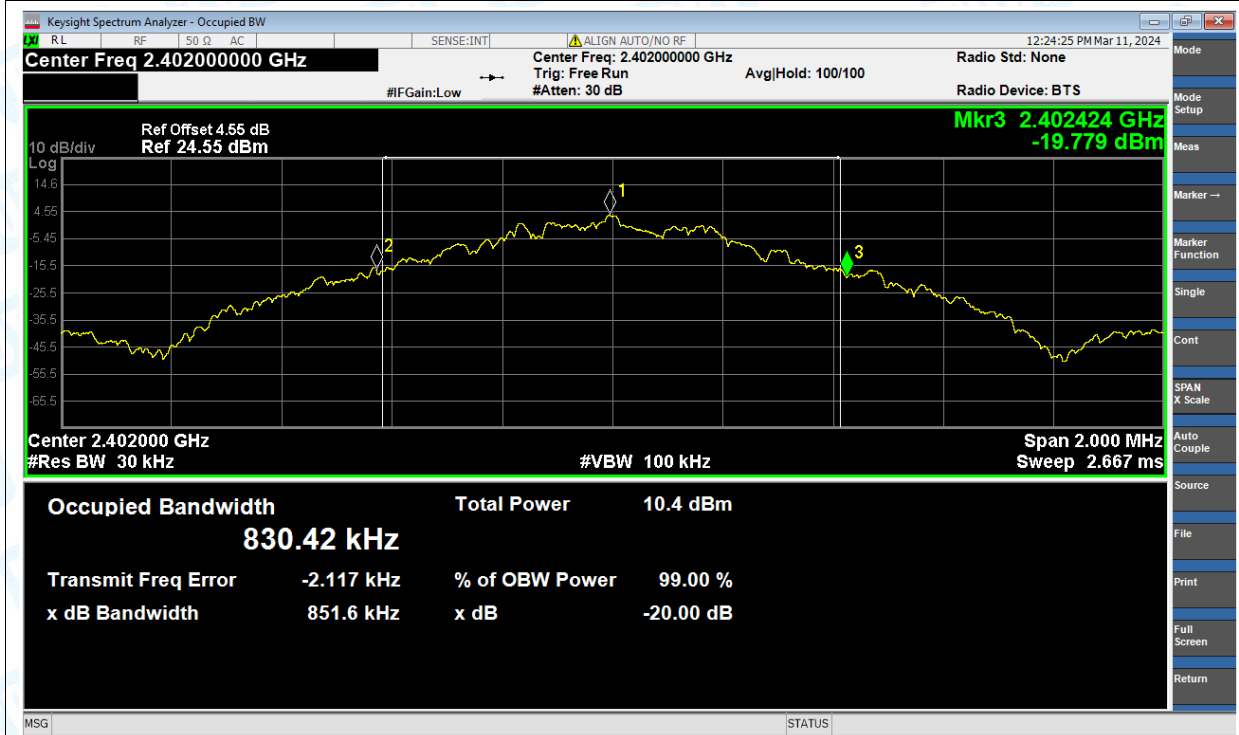


## 3.-20dB Bandwidth

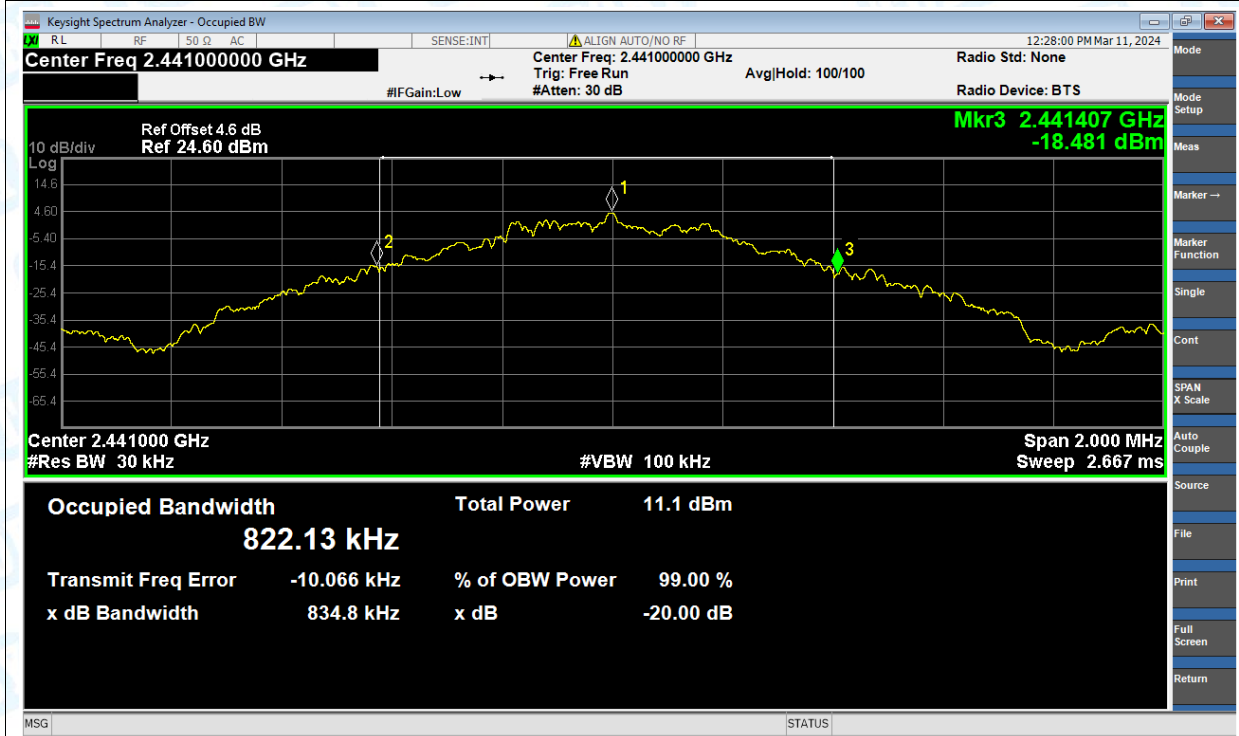
| Condition | Mode  | Frequency (MHz) | Antenna | -20 dB Bandwidth (MHz) | Limit -20 dB Bandwidth (MHz) | Verdict |
|-----------|-------|-----------------|---------|------------------------|------------------------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 0.85                   | 0                            | Pass    |
| NVNT      | 1-DH1 | 2441            | Ant1    | 0.83                   | 0                            | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | 0.88                   | 0                            | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | 1.26                   | 0                            | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | 1.23                   | 0                            | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | 1.25                   | 0                            | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | 1.23                   | 0                            | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | 1.22                   | 0                            | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | 1.21                   | 0                            | Pass    |

### Test Graphs

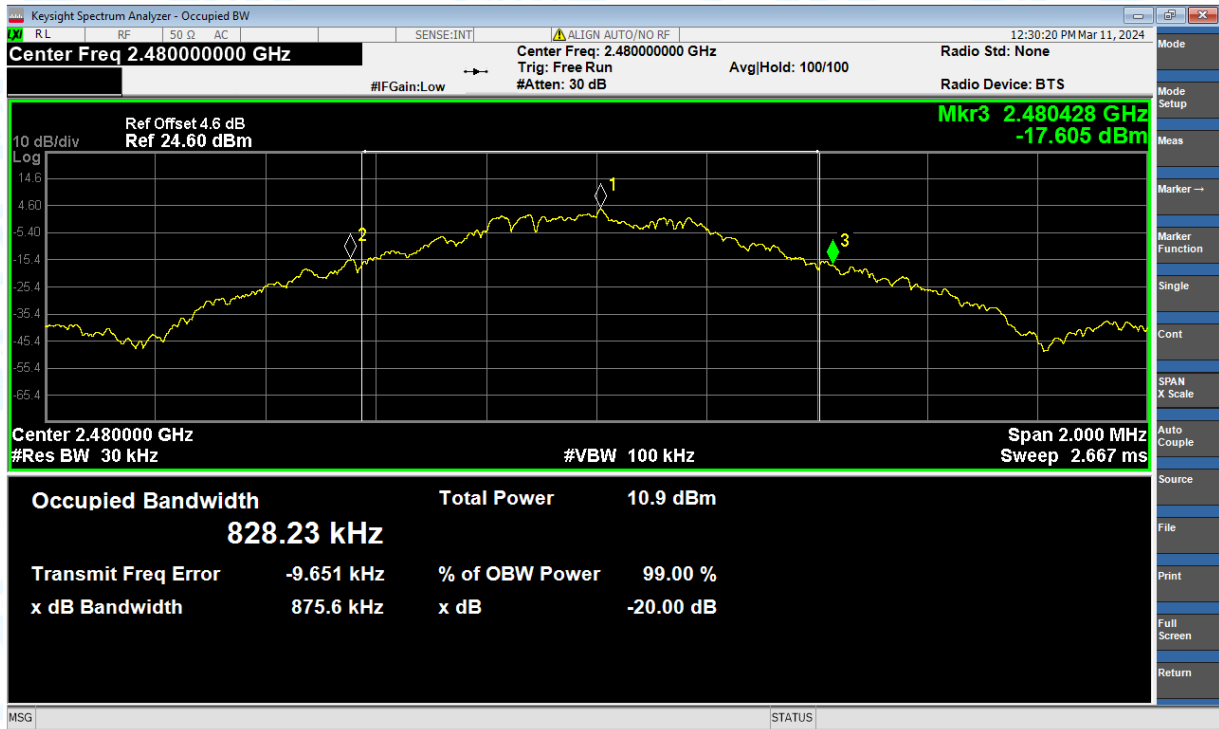
-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



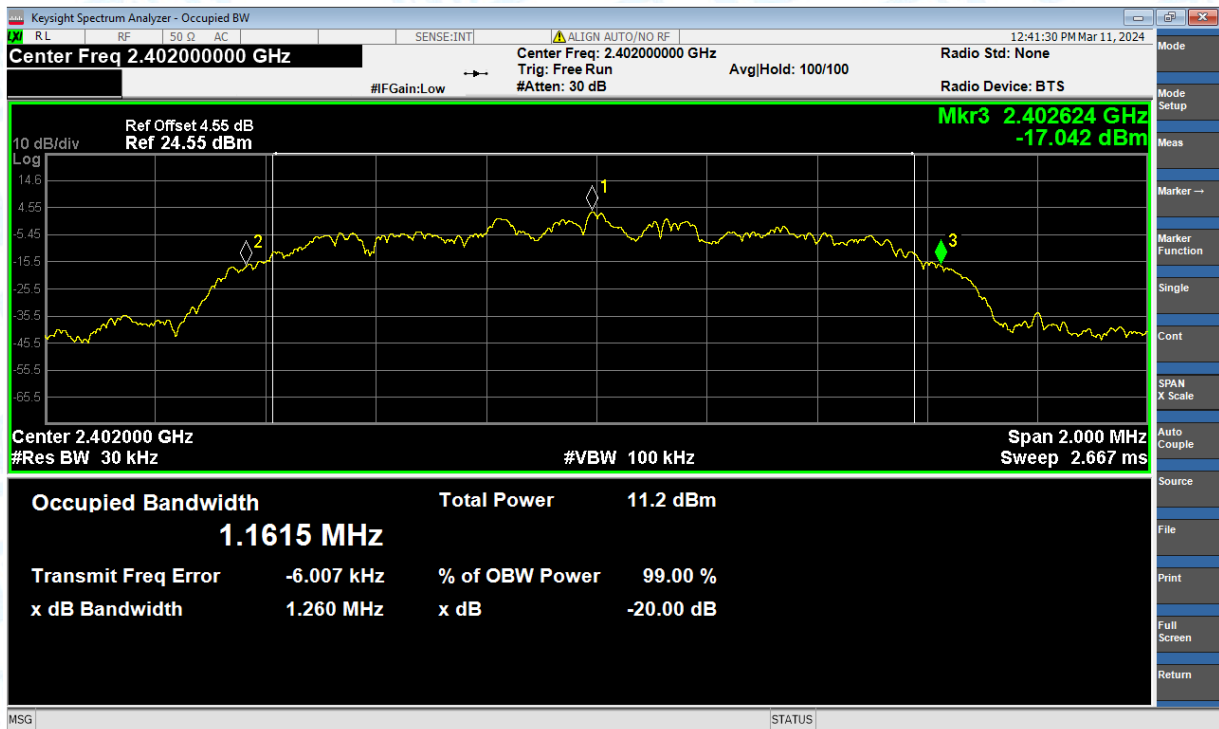
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



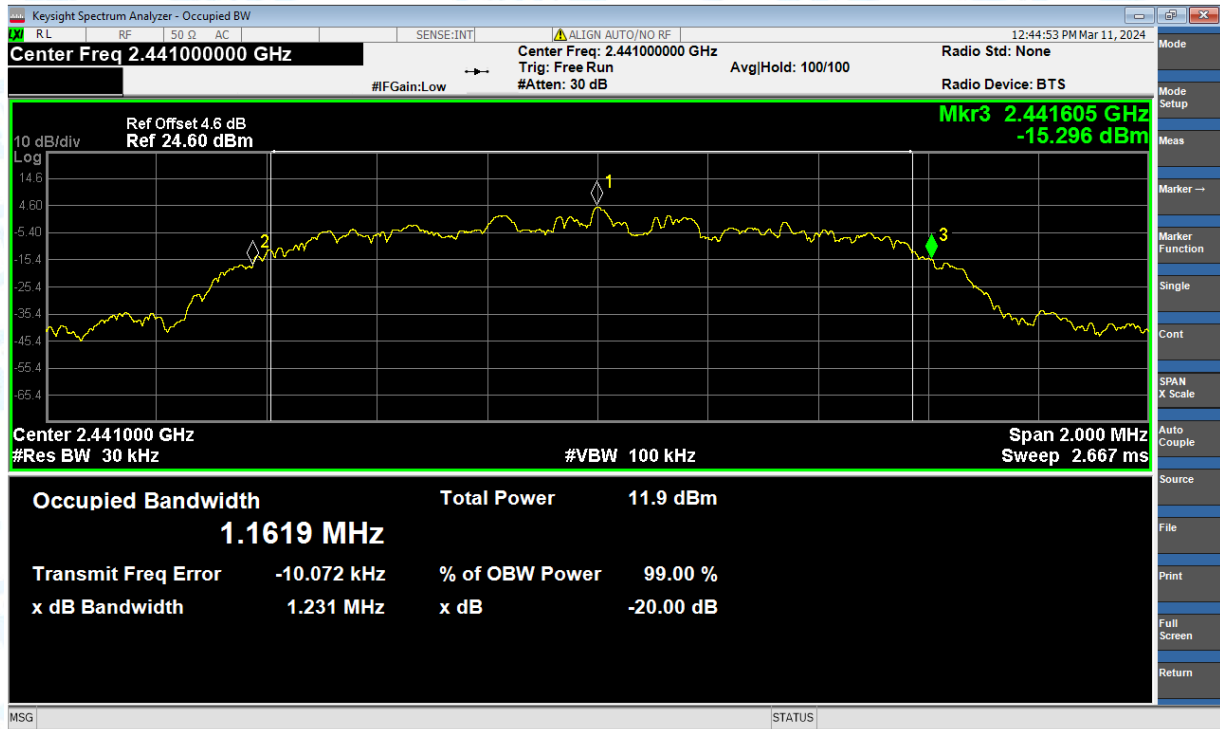
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



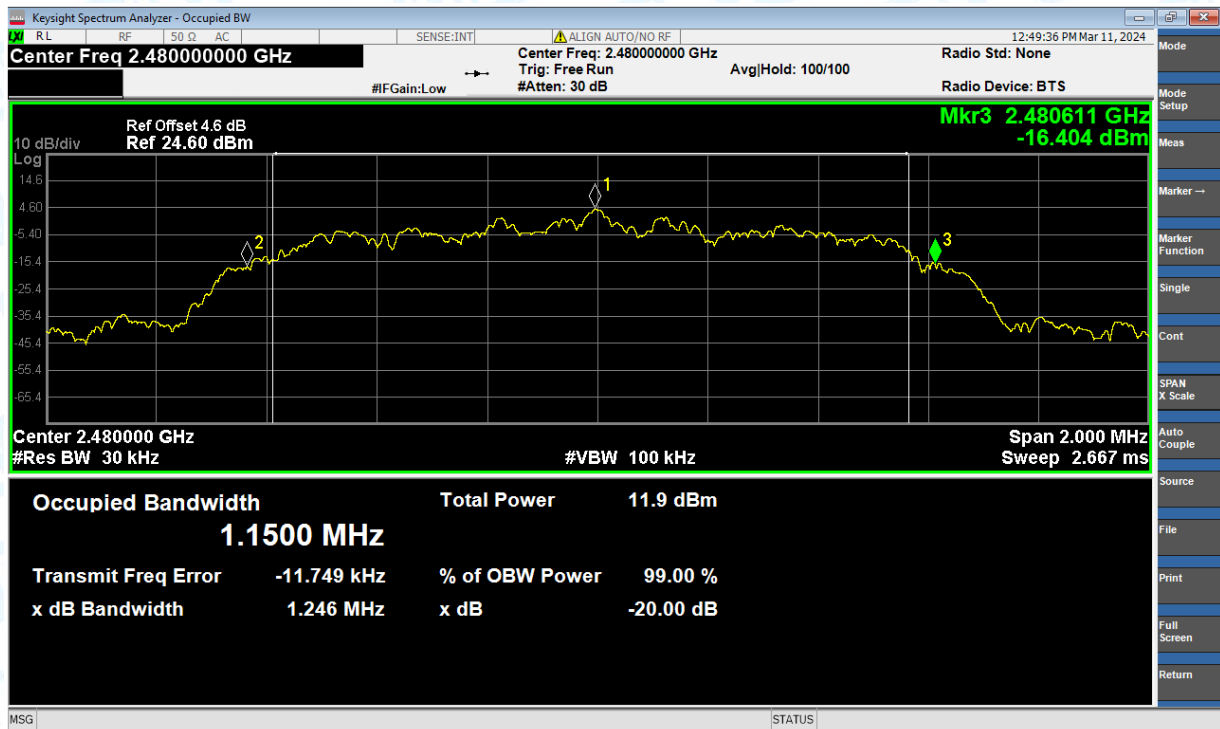
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



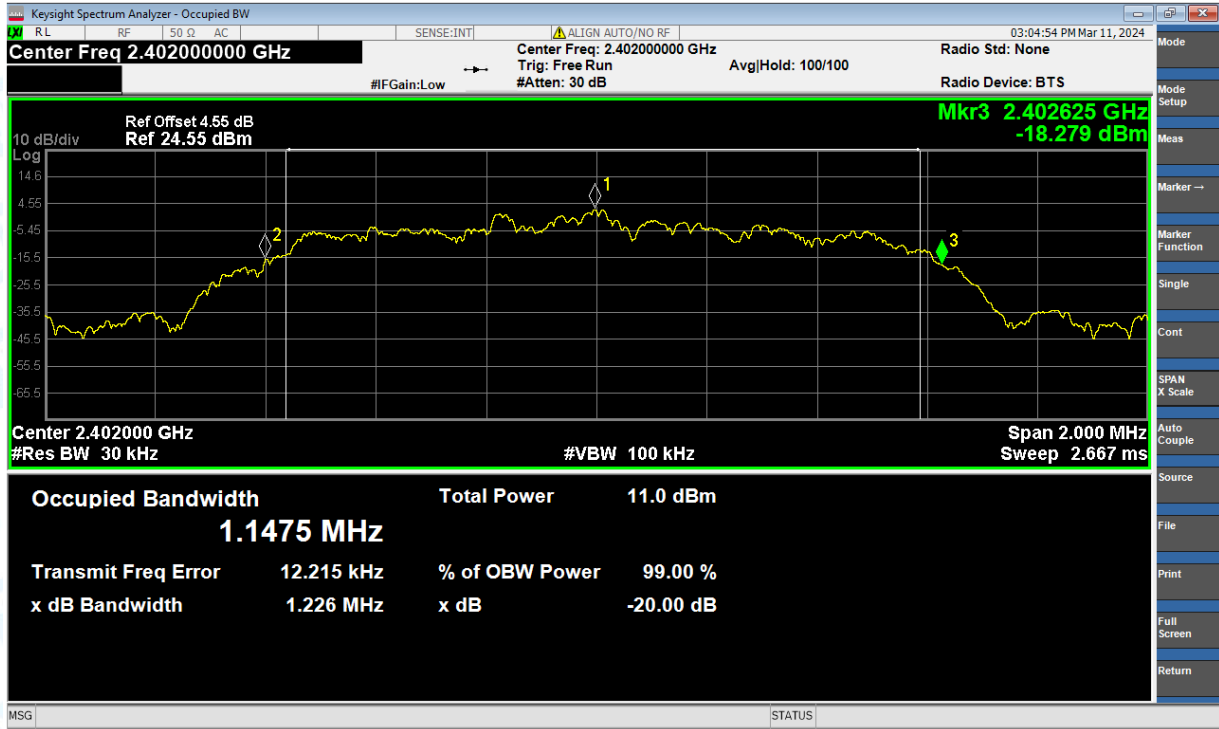
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



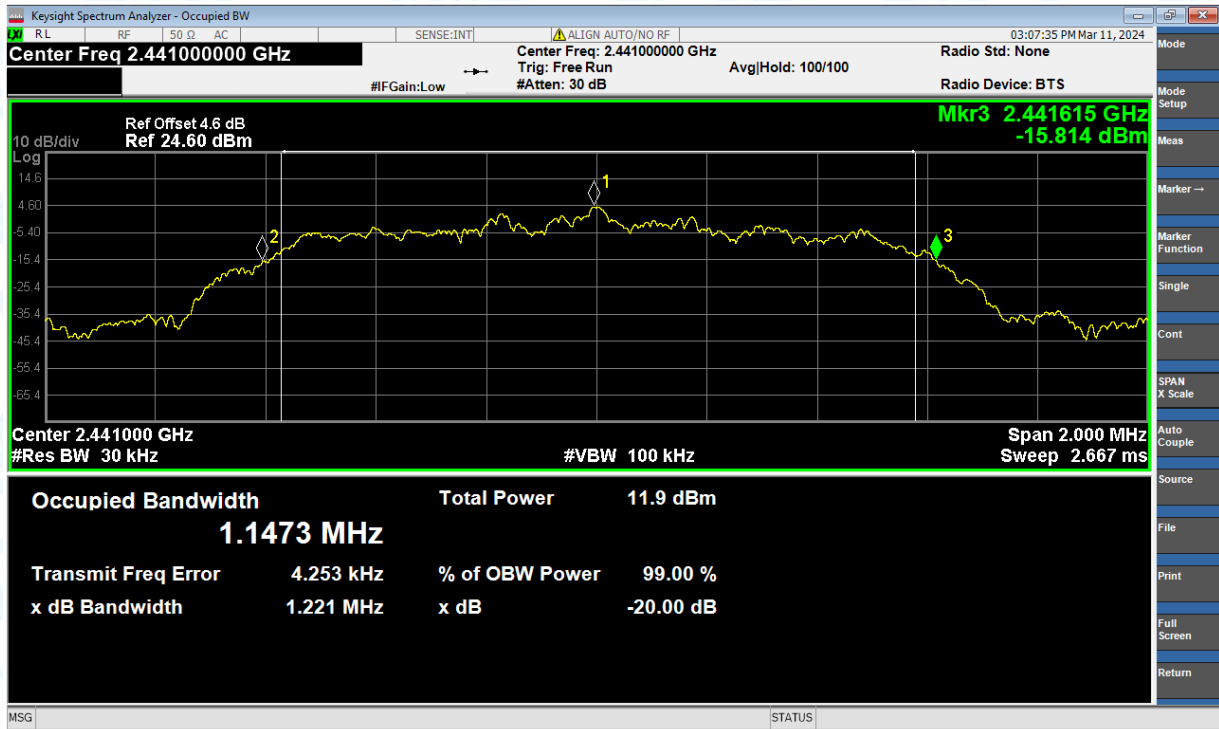
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1

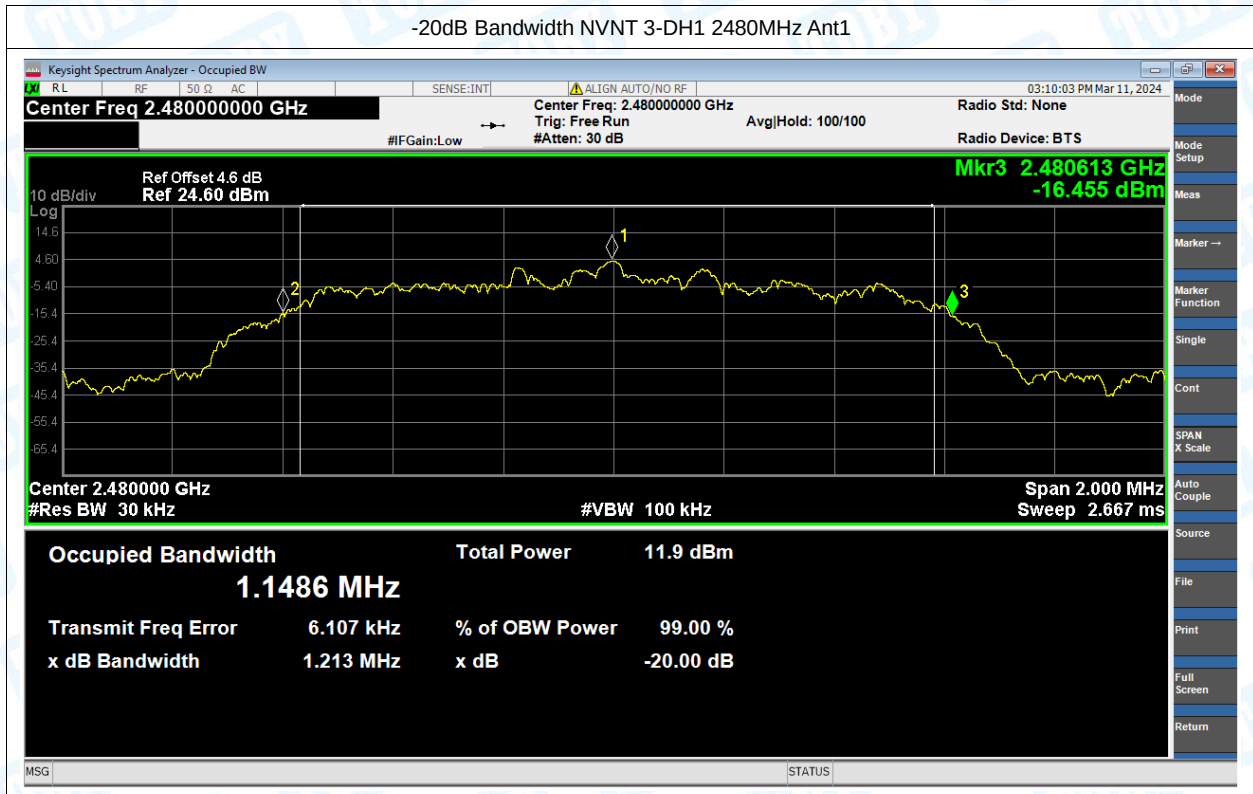


-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



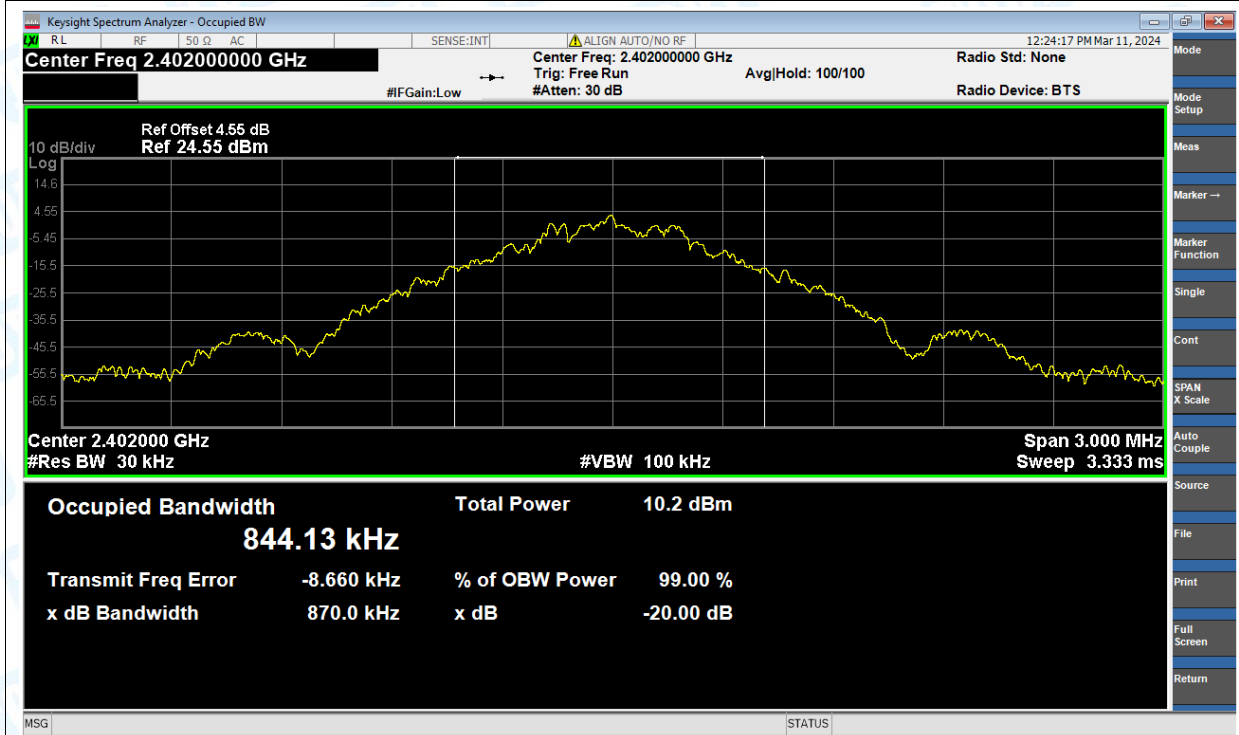


## 4.Occupied Channel Bandwidth

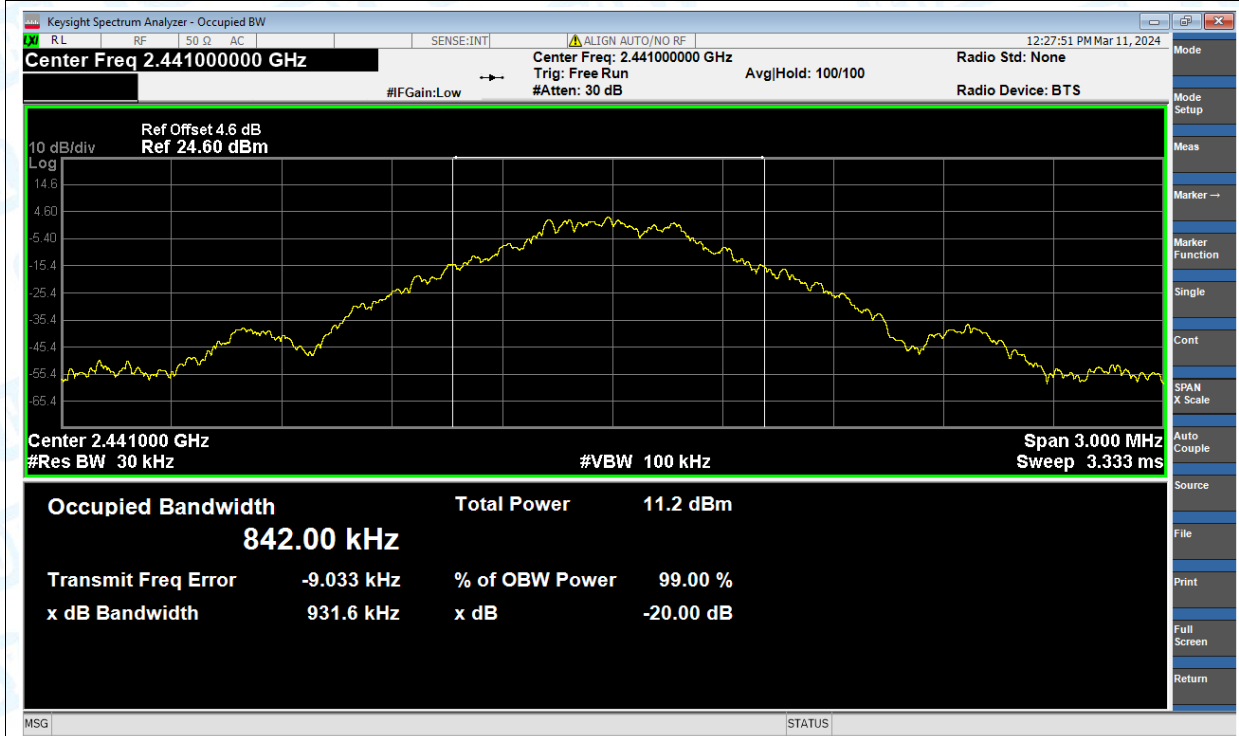
| Condition | Mode  | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|-------|-----------------|---------|---------------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 0.844         |
| NVNT      | 1-DH1 | 2441            | Ant1    | 0.842         |
| NVNT      | 1-DH1 | 2480            | Ant1    | 0.829         |
| NVNT      | 2-DH1 | 2402            | Ant1    | 1.159         |
| NVNT      | 2-DH1 | 2441            | Ant1    | 1.167         |
| NVNT      | 2-DH1 | 2480            | Ant1    | 1.164         |
| NVNT      | 3-DH1 | 2402            | Ant1    | 1.153         |
| NVNT      | 3-DH1 | 2441            | Ant1    | 1.142         |
| NVNT      | 3-DH1 | 2480            | Ant1    | 1.155         |

### Test Graphs

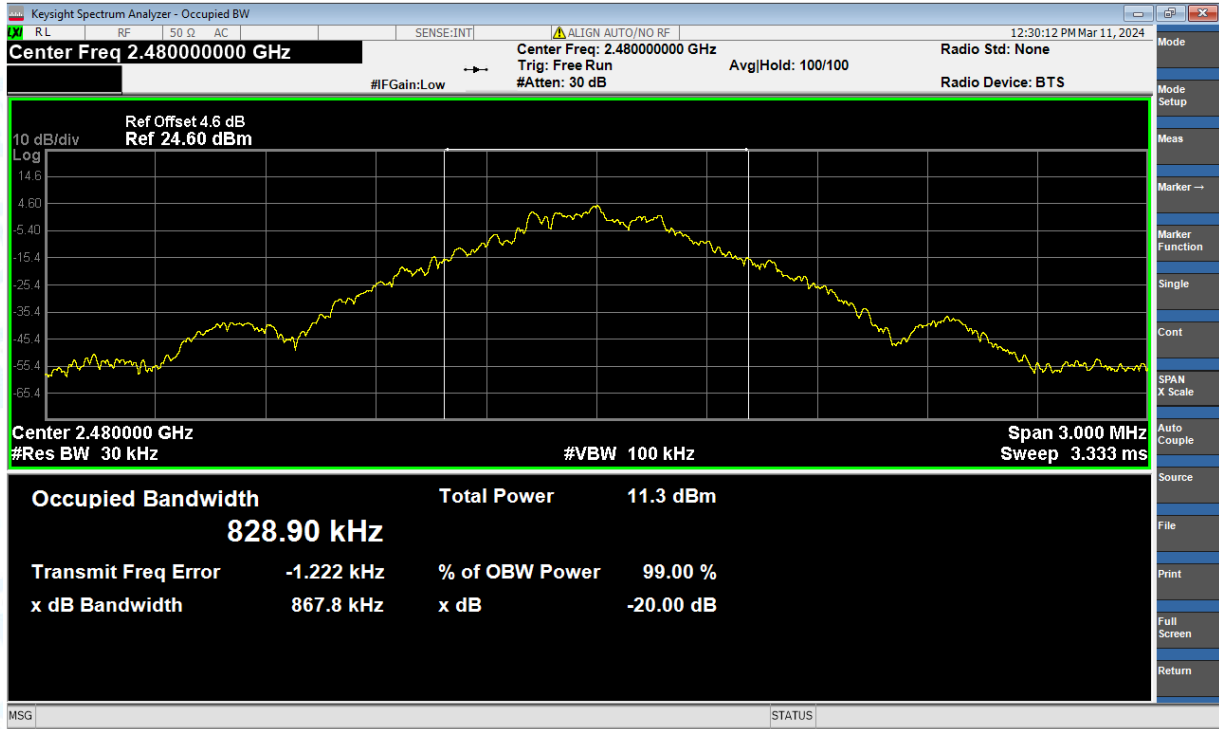
#### OBW NVNT 1-DH1 2402MHz Ant1



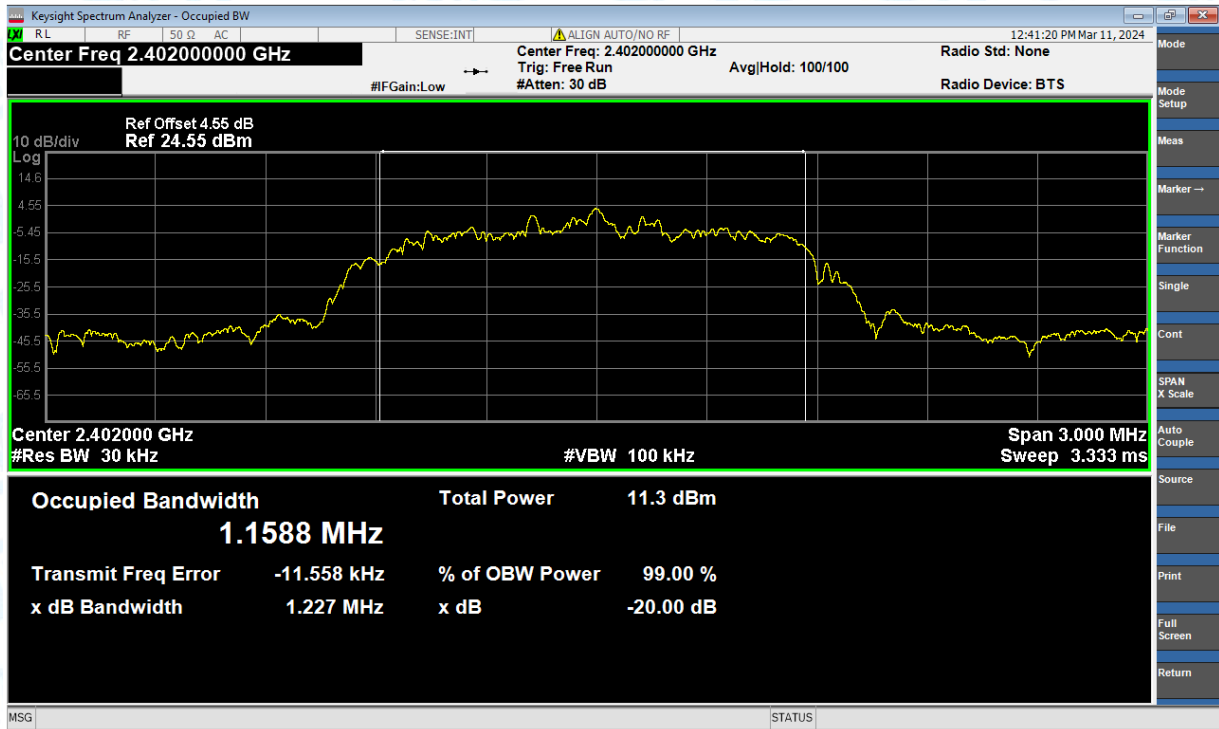
#### OBW NVNT 1-DH1 2441MHz Ant1



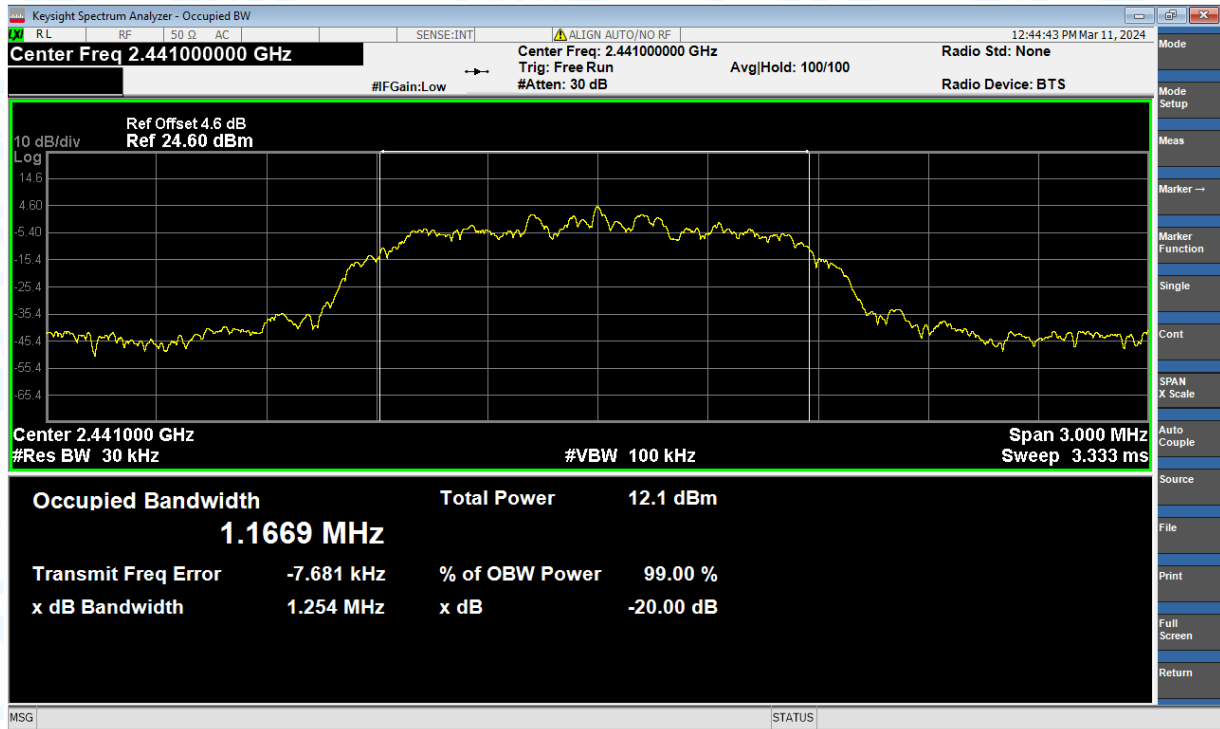
OBW NVNT 1-DH1 2480MHz Ant1



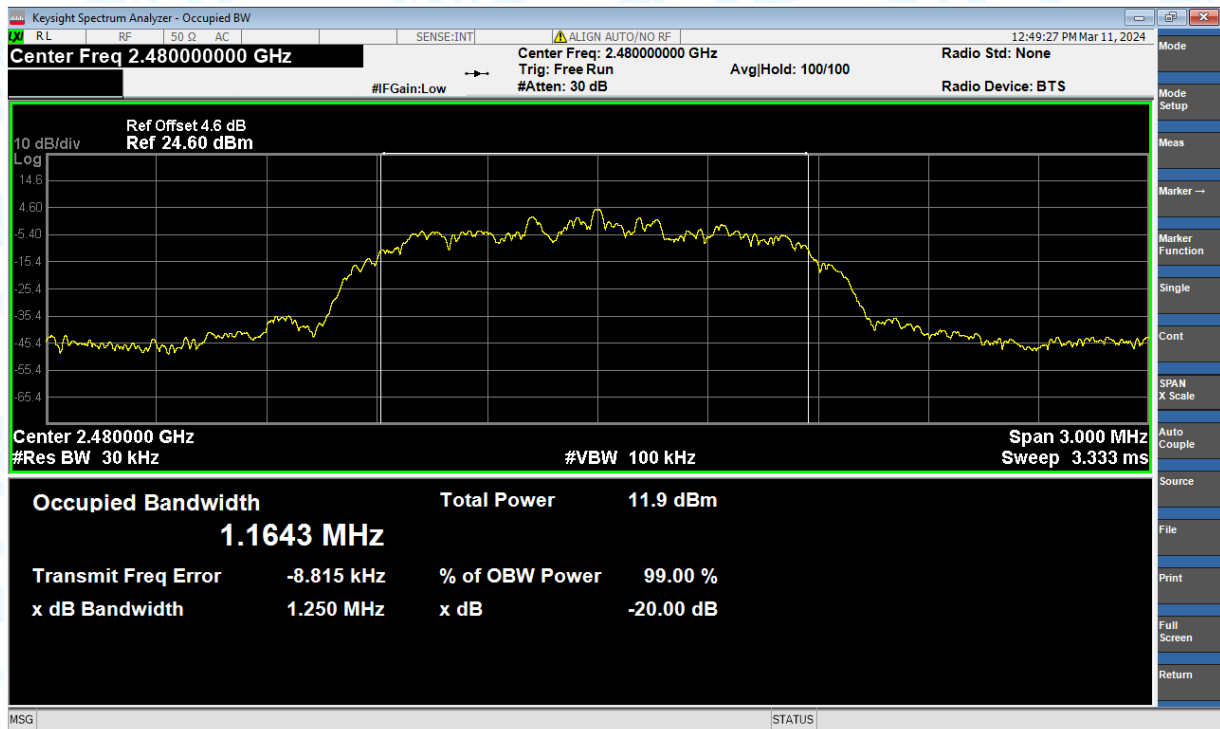
OBW NVNT 2-DH1 2402MHz Ant1



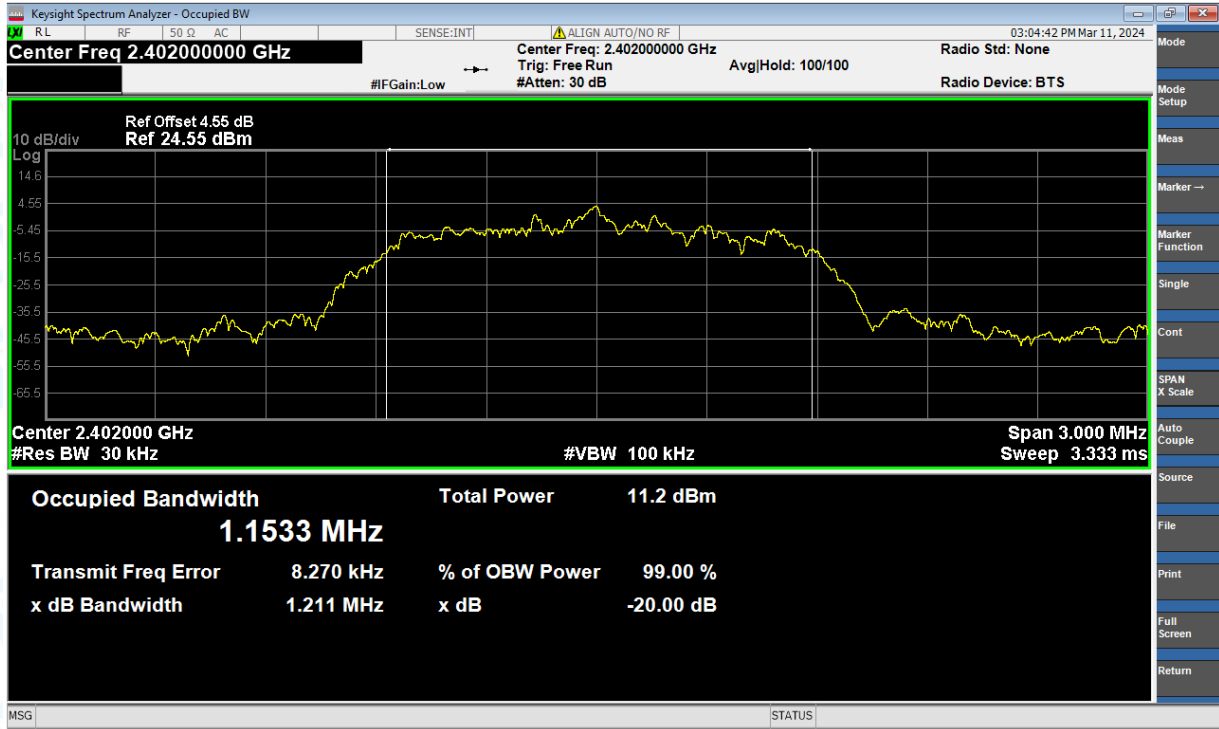
OBW NVNT 2-DH1 2441MHz Ant1



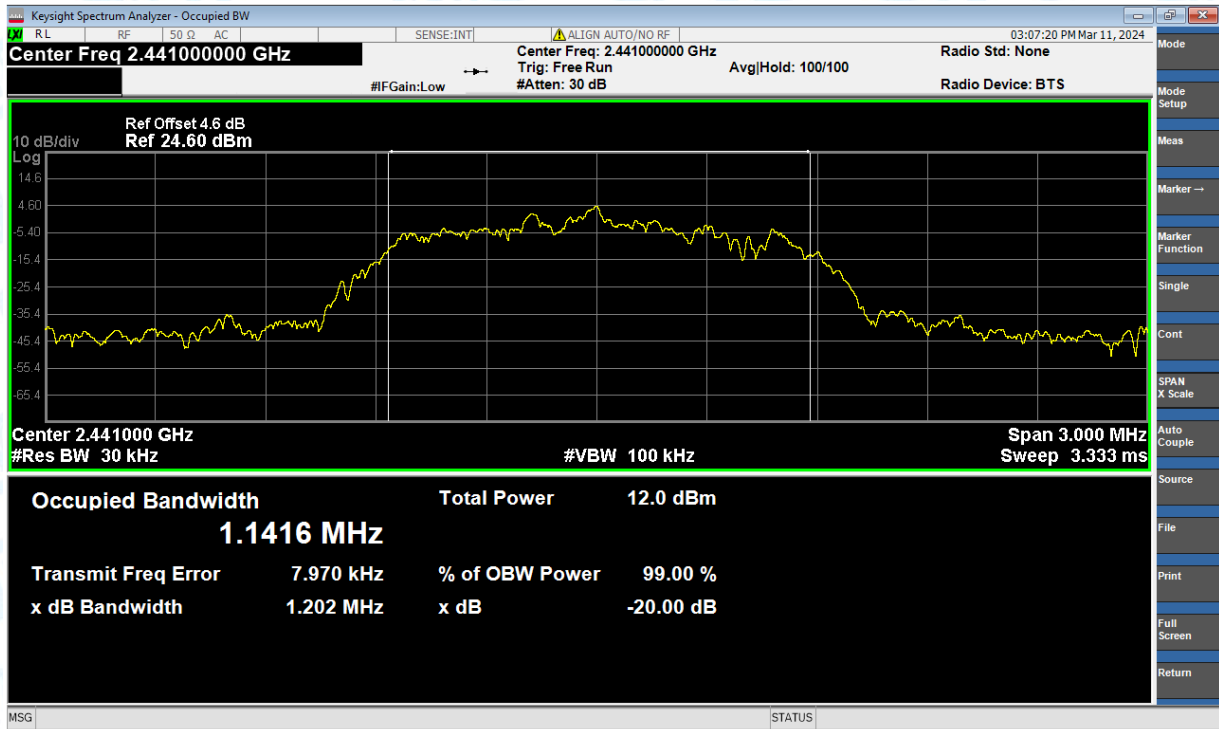
OBW NVNT 2-DH1 2480MHz Ant1

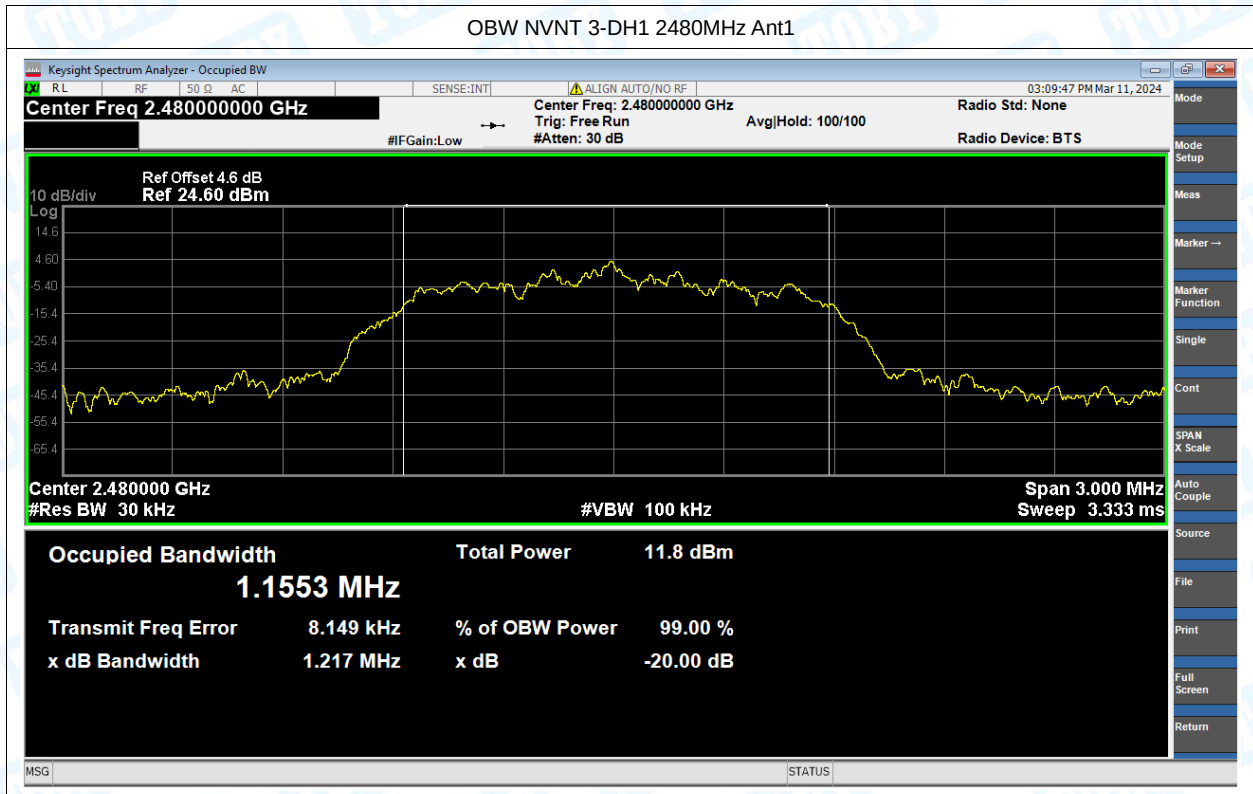


OBW NVNT 3-DH1 2402MHz Ant1



OBW NVNT 3-DH1 2441MHz Ant1



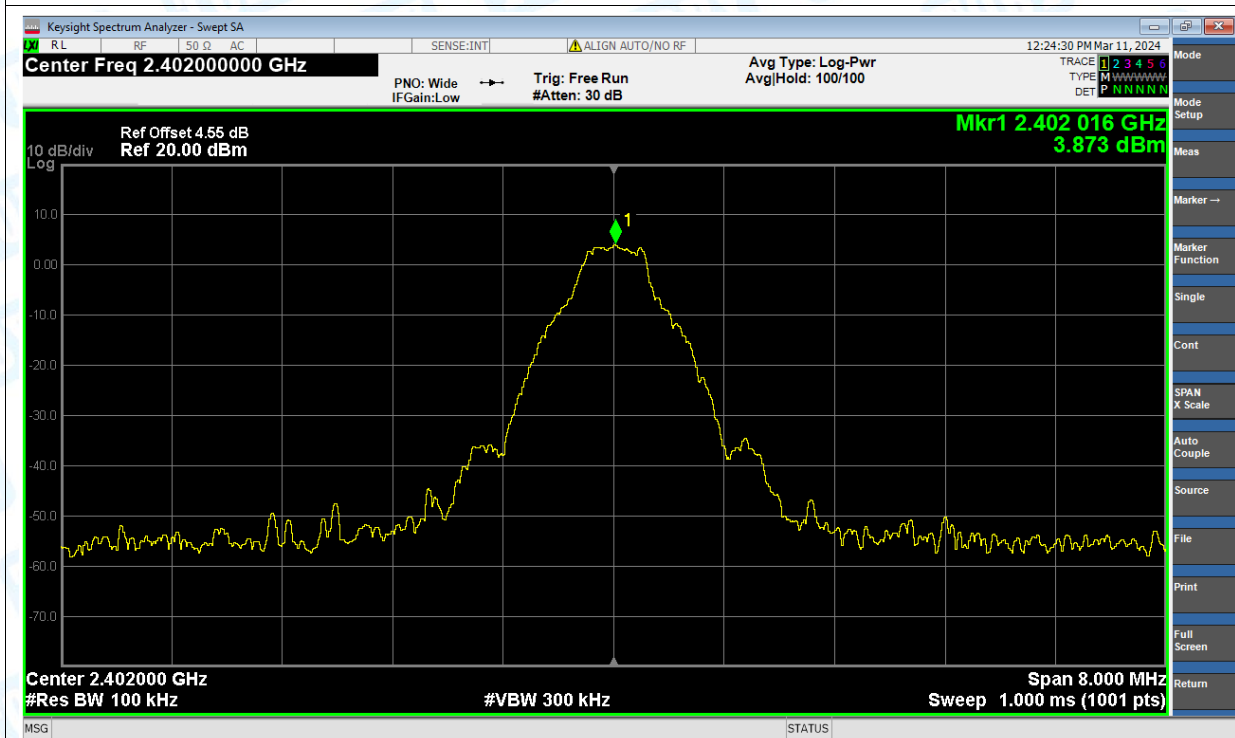


5.Band Edge

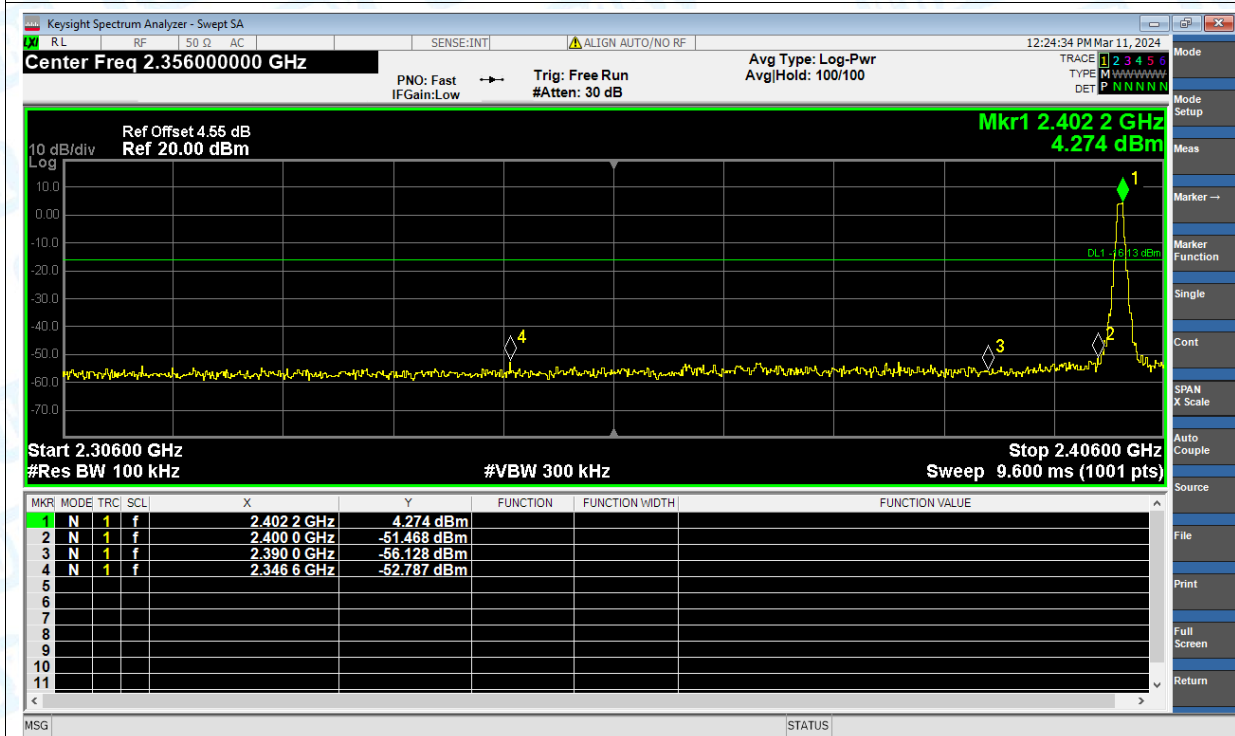
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | -56.66          | -20         | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | -53.77          | -20         | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | -56.52          | -20         | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | -50.88          | -20         | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | -57.48          | -20         | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | -51.77          | -20         | Pass    |

### Test Graphs

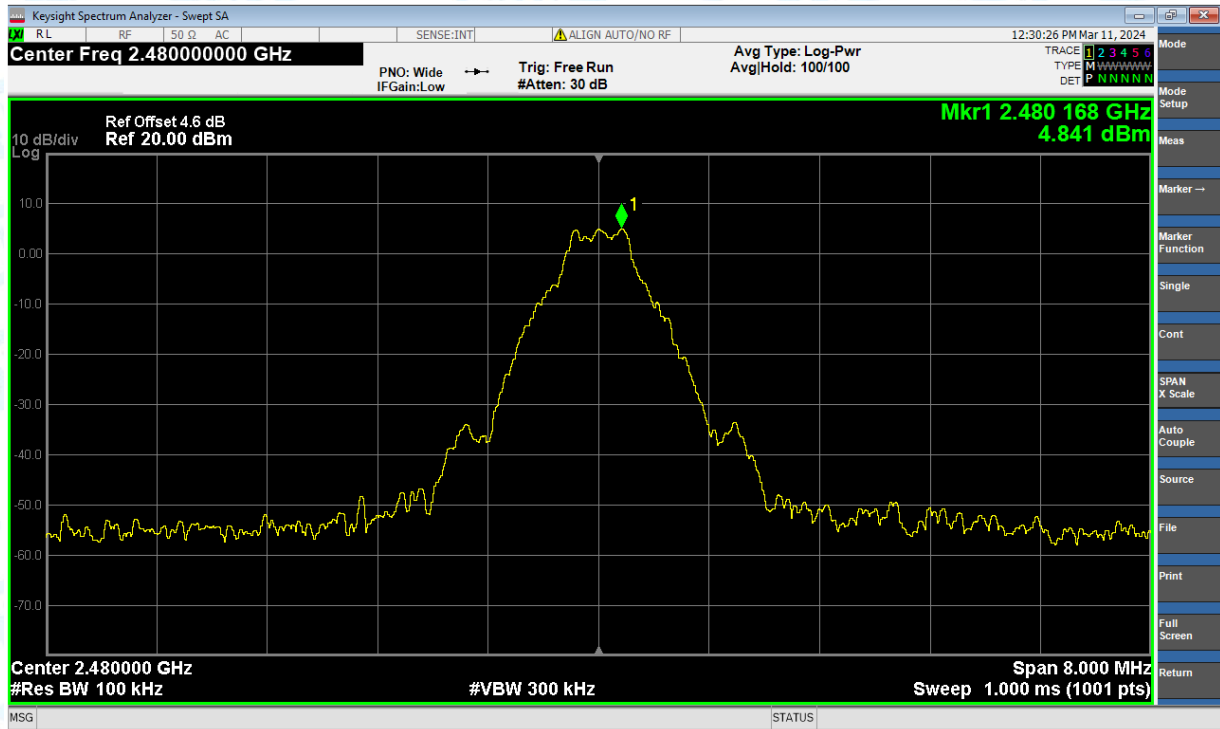
#### Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref



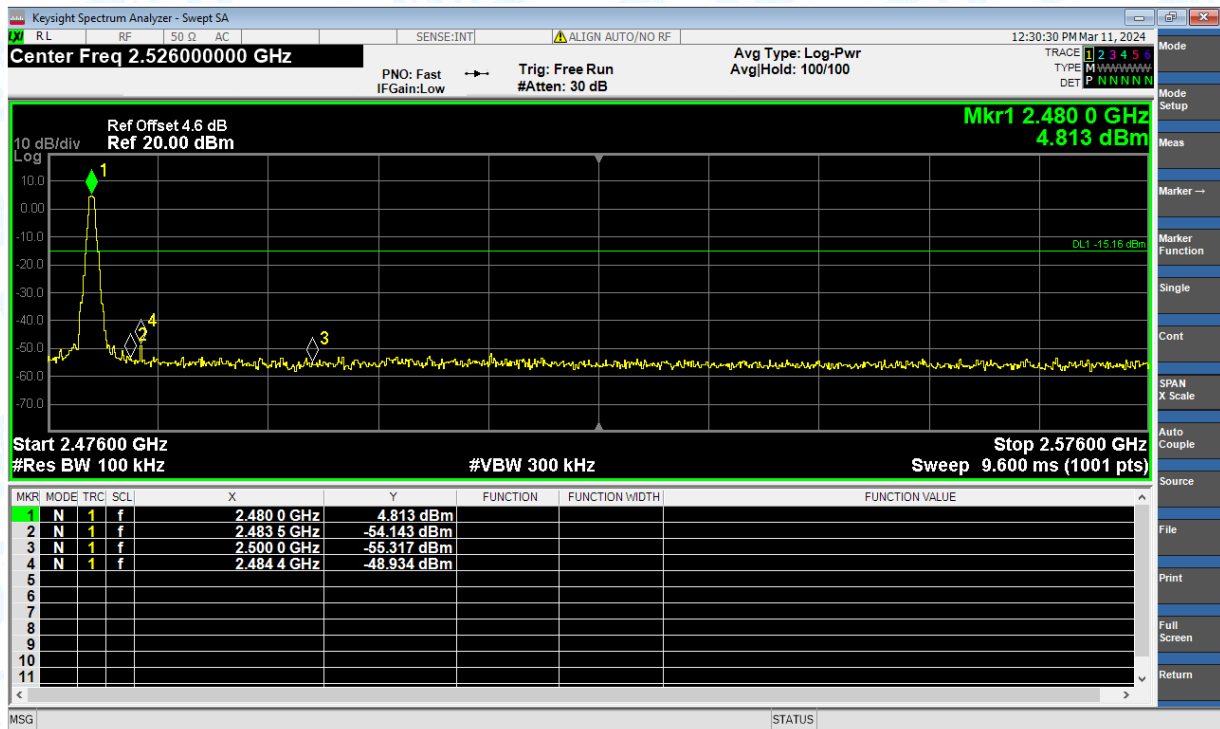
#### Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



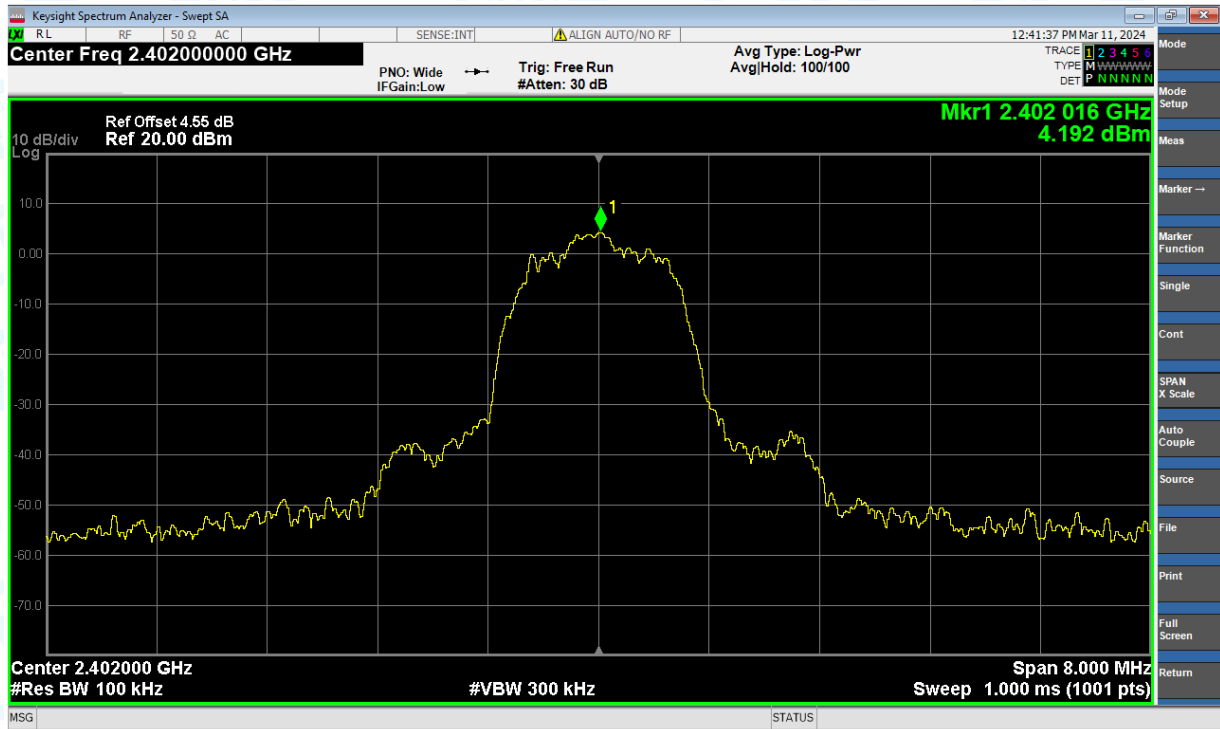
### Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref



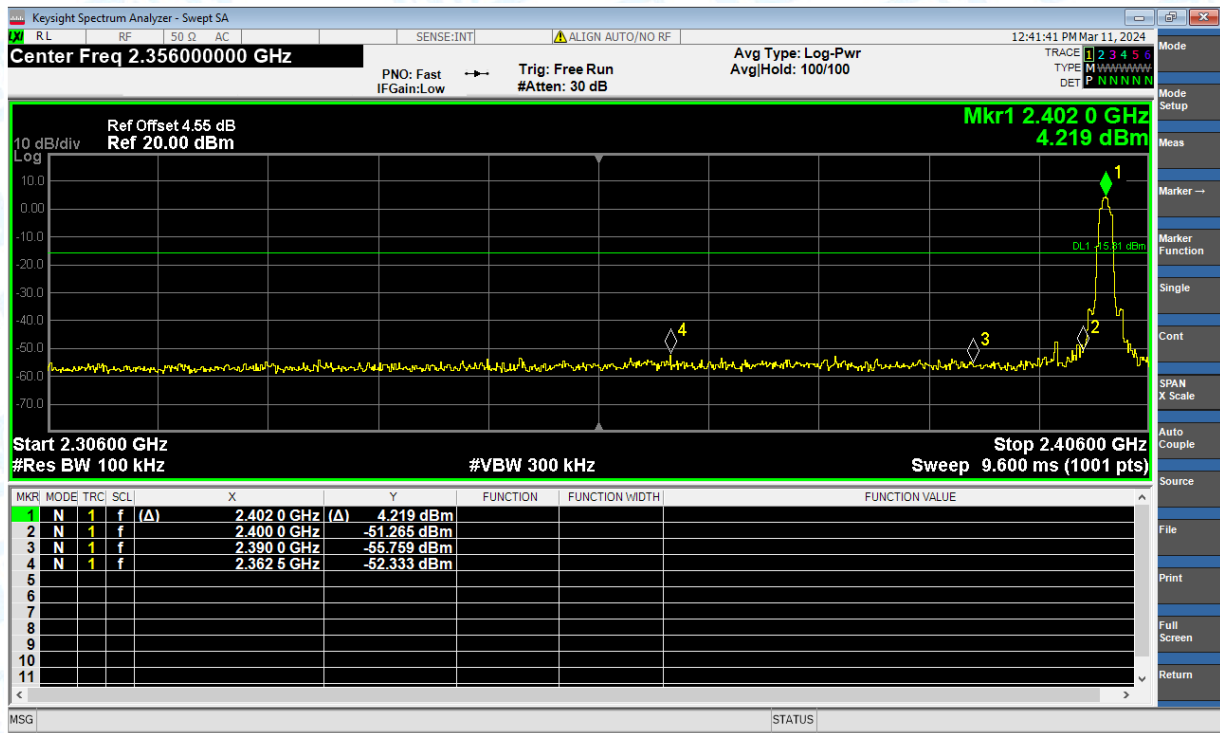
### Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission



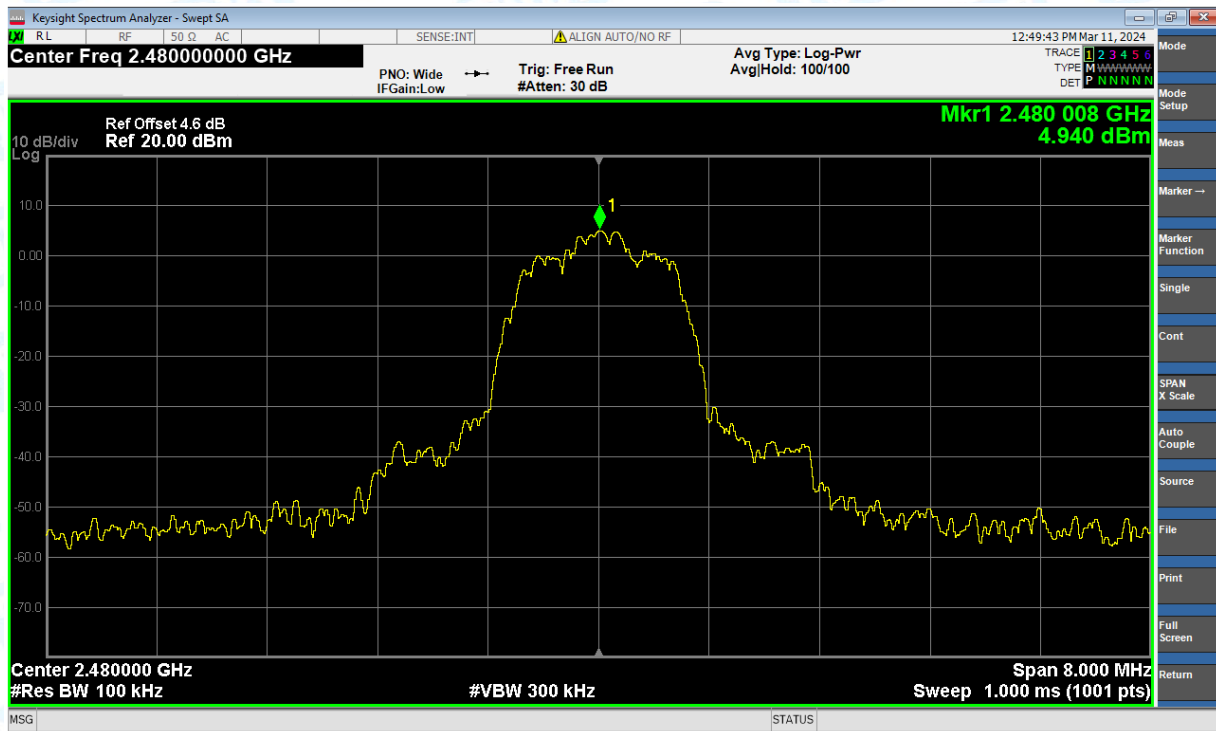
### Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Ref



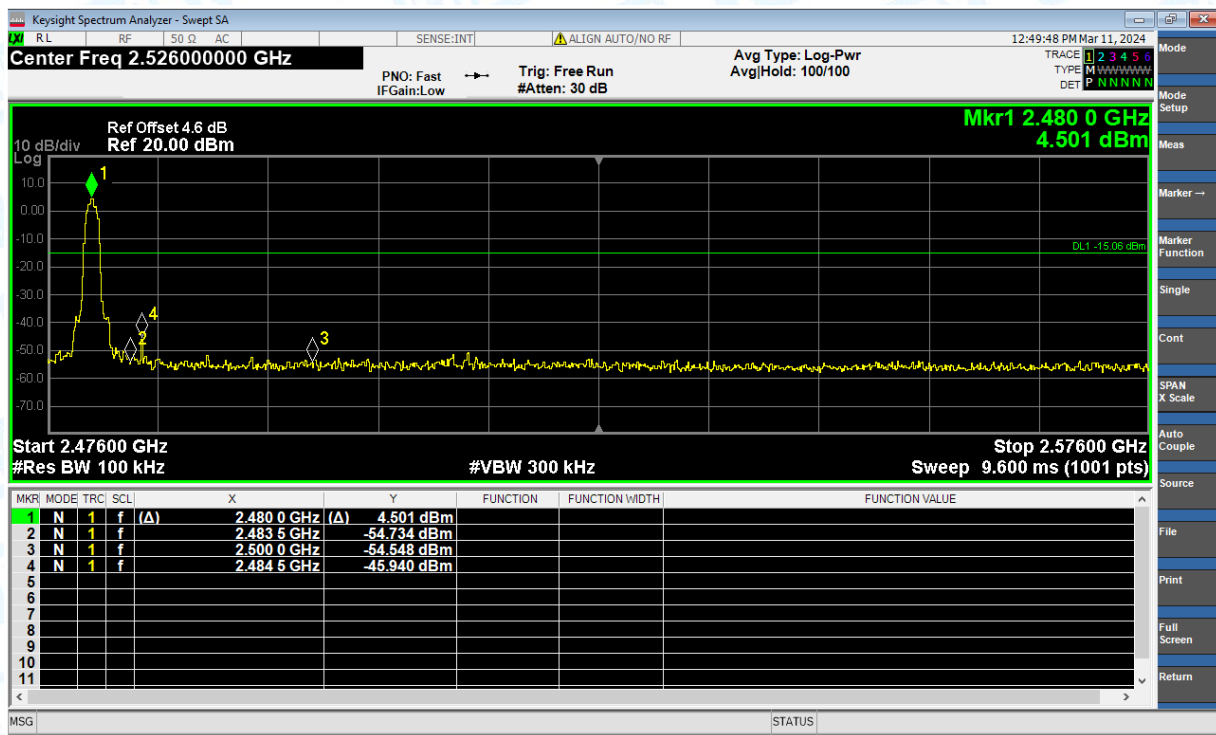
### Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission



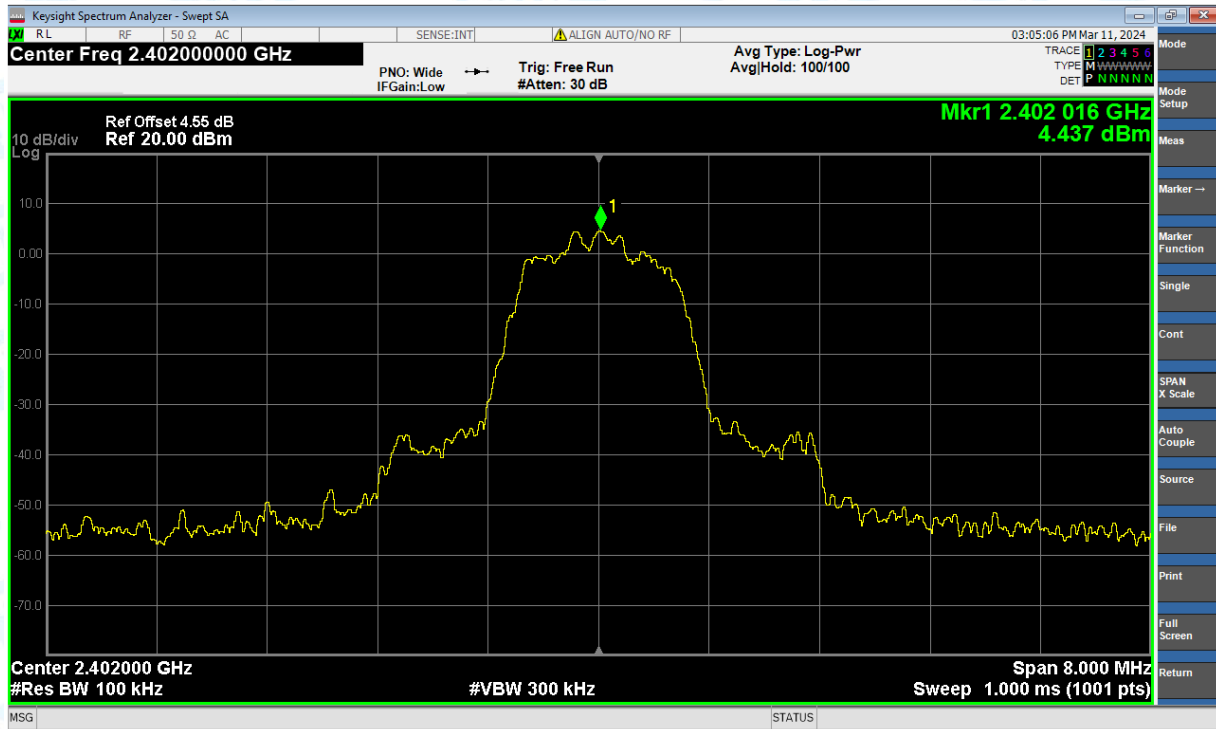
### Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Ref



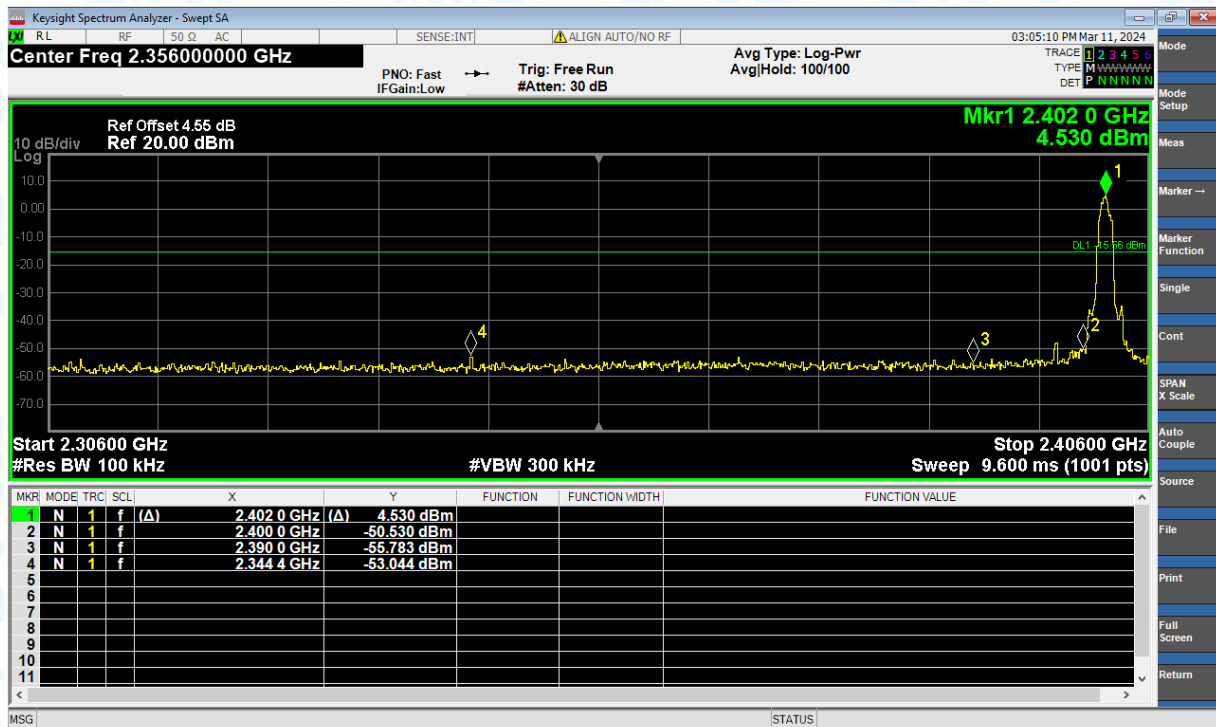
### Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission



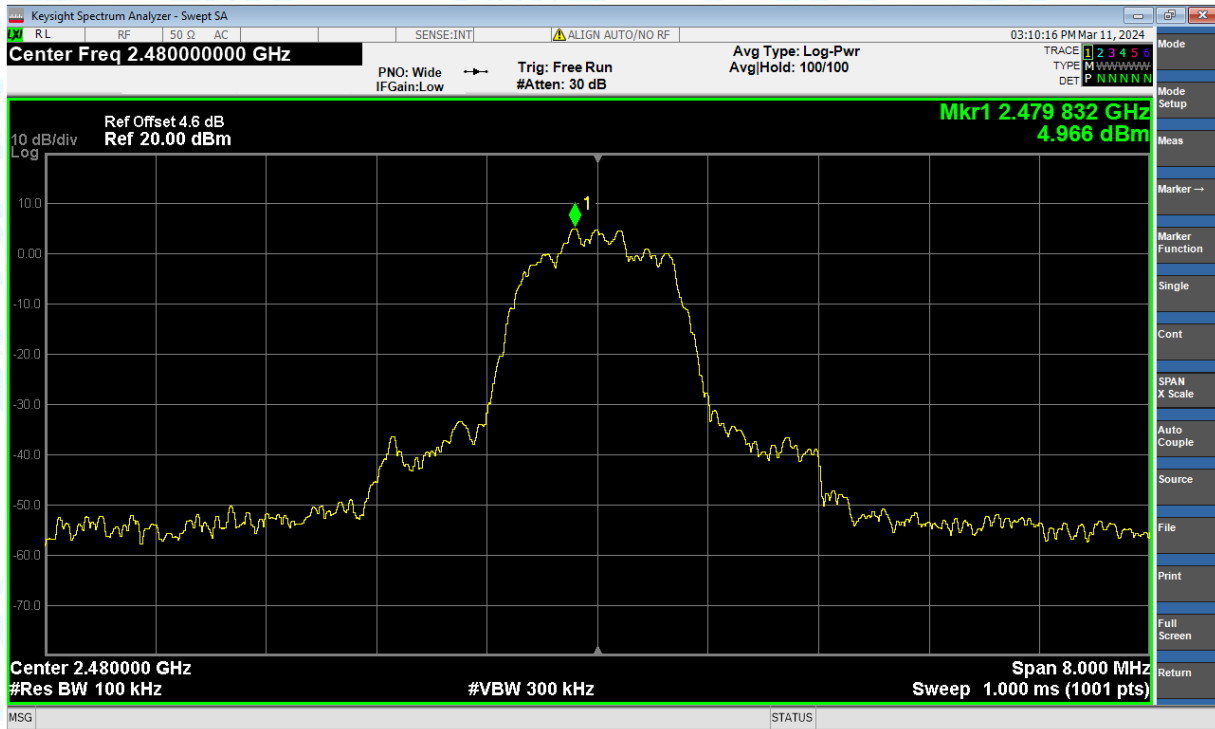
### Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Ref



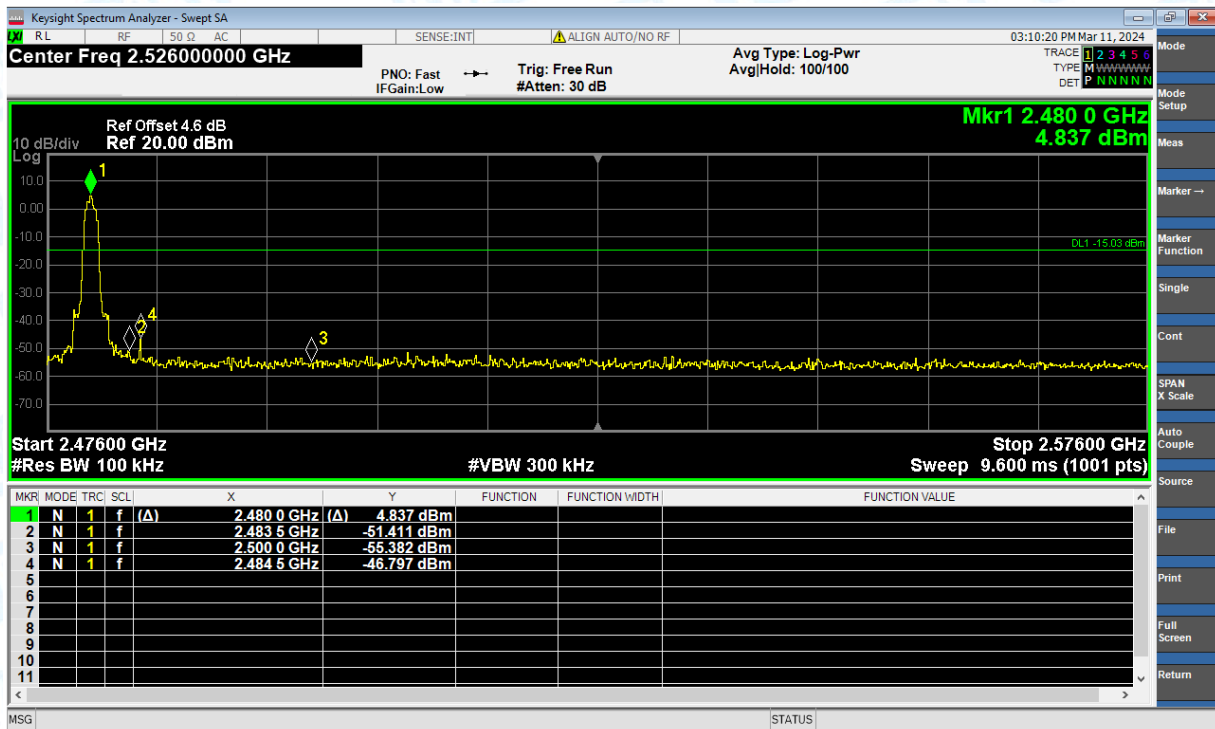
### Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Emission



### Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Ref



### Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Emission

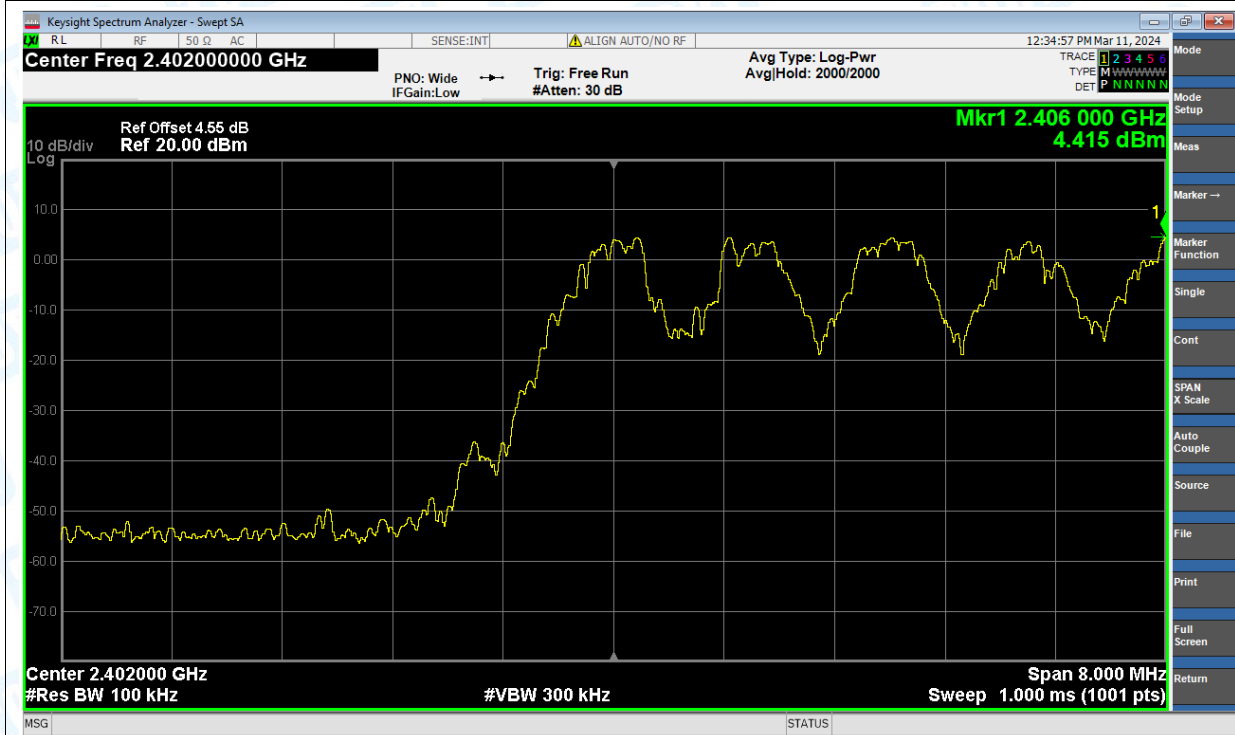


## 6.Band Edge(Hopping)

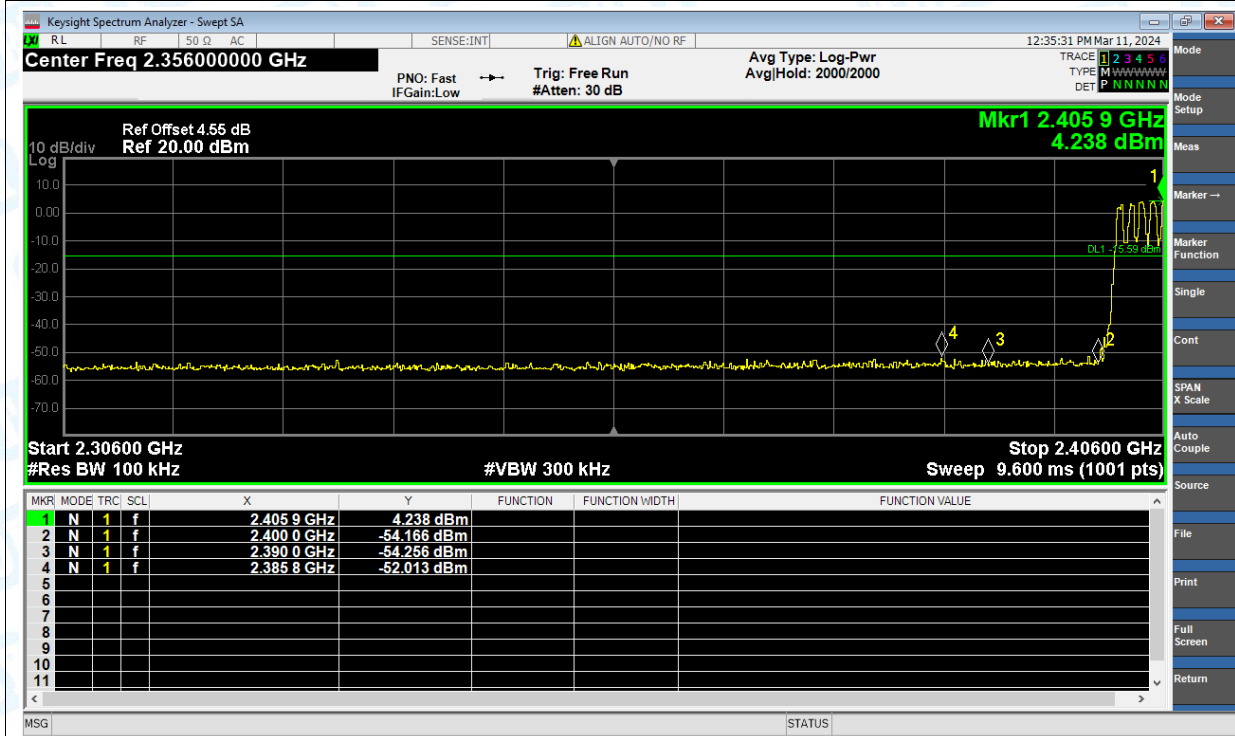
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | Hopping      | -56.43          | -20         | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | Hopping      | -52.92          | -20         | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | Hopping      | -57.38          | -20         | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | Hopping      | -52.64          | -20         | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | Hopping      | -56.81          | -20         | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | Hopping      | -51.47          | -20         | Pass    |

### Test Graphs

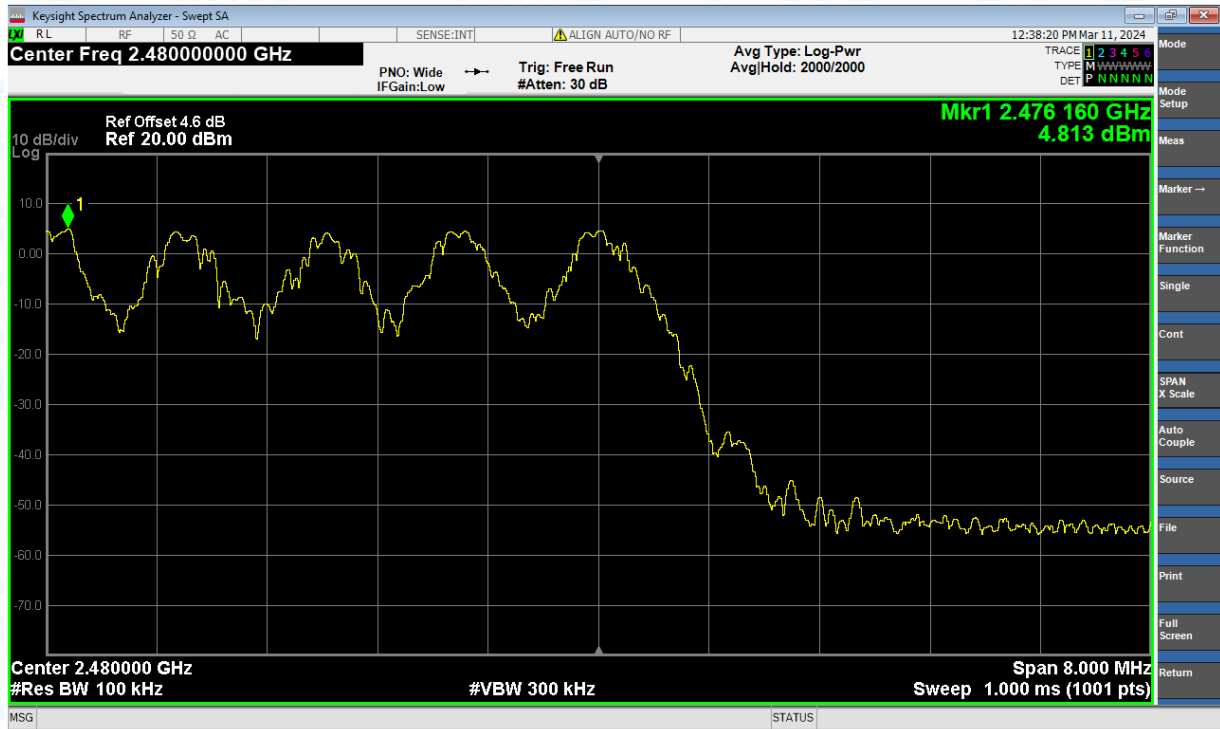
#### Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Ref



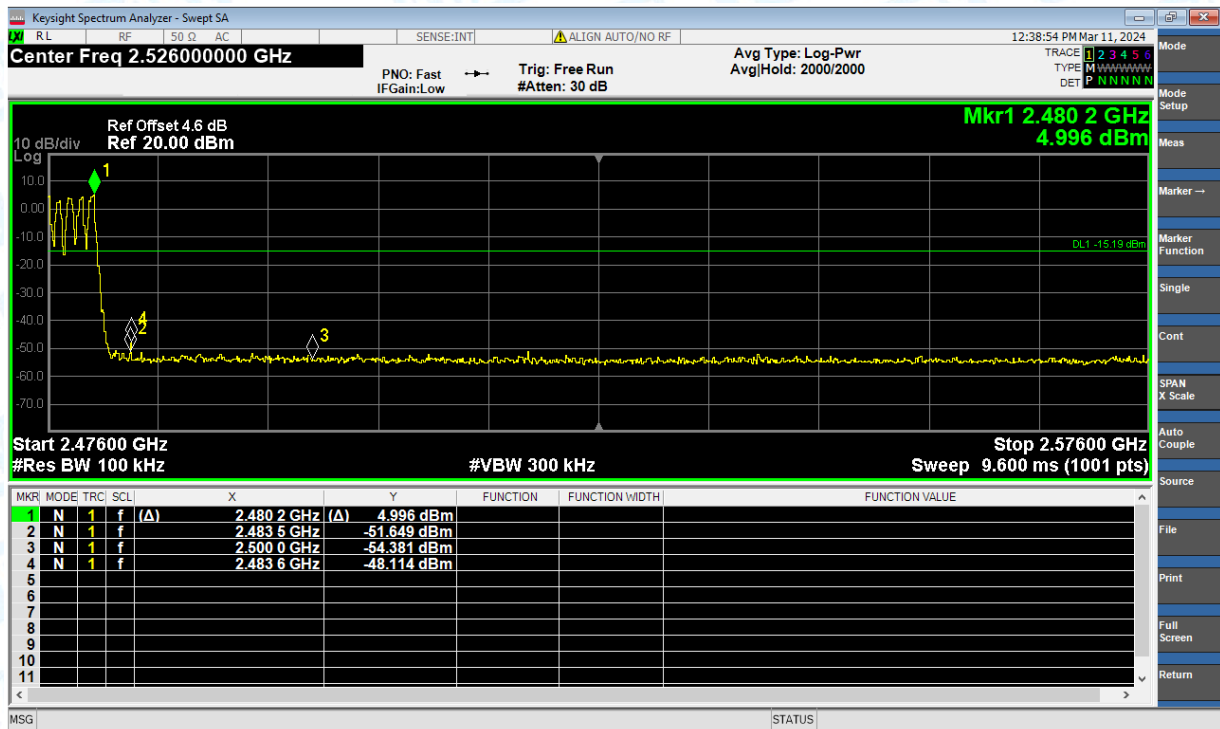
#### Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission



### Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Ref



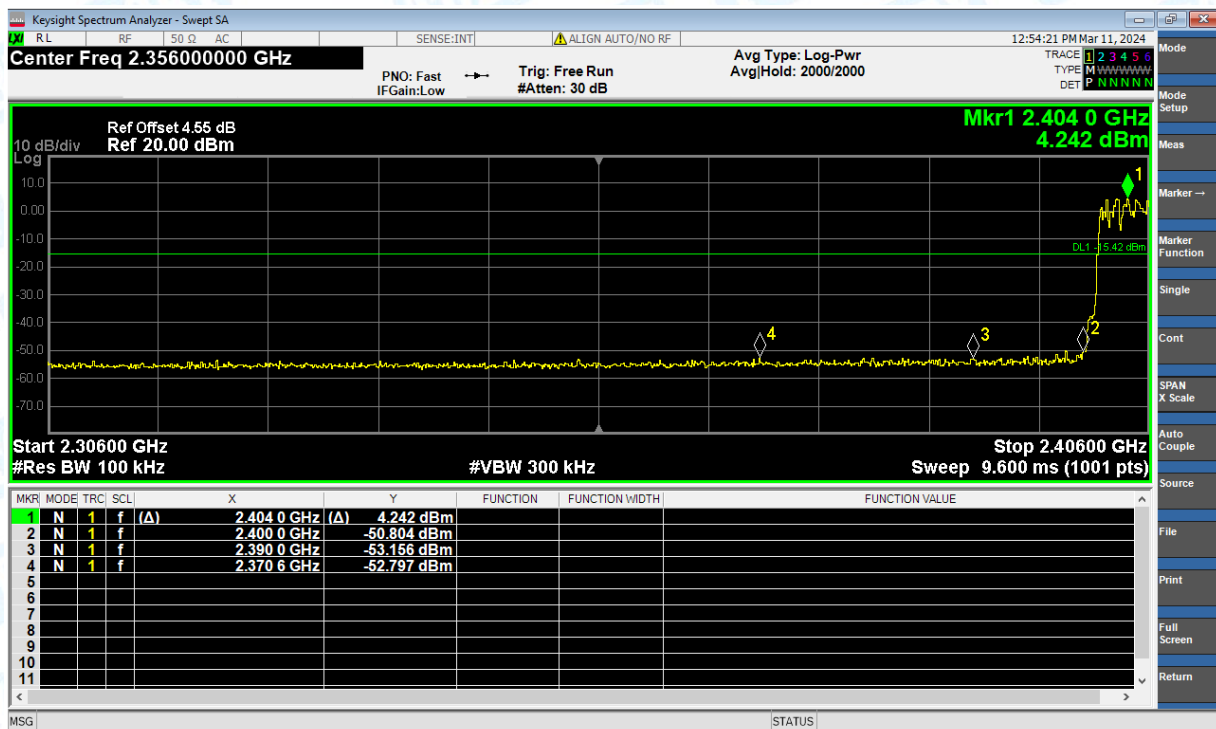
### Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission



### Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Ref



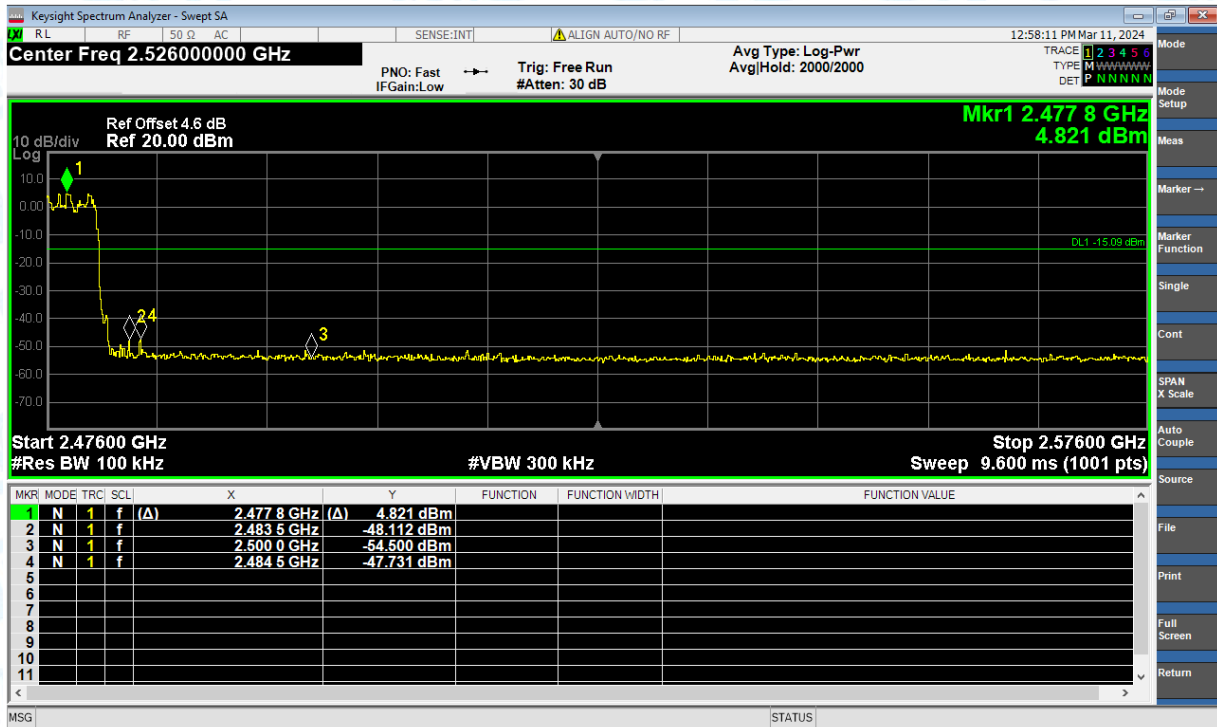
### Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Emission



### Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Ref



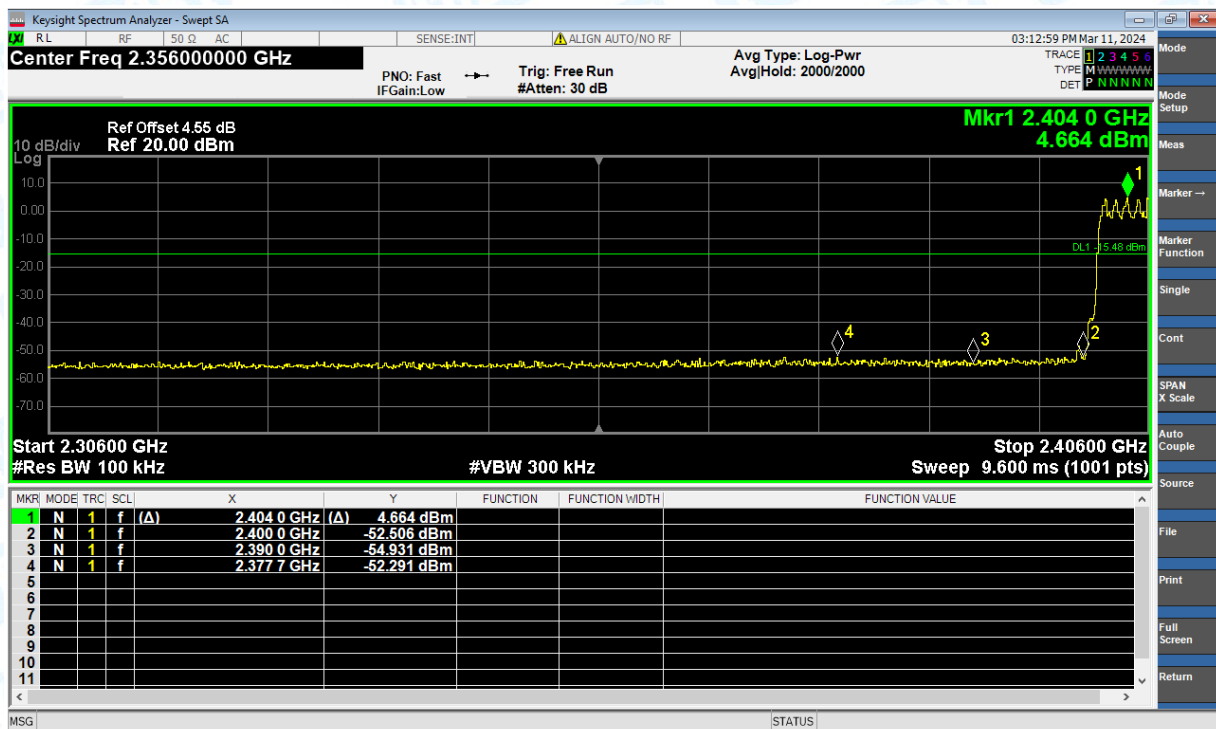
### Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Emission



### Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Ref



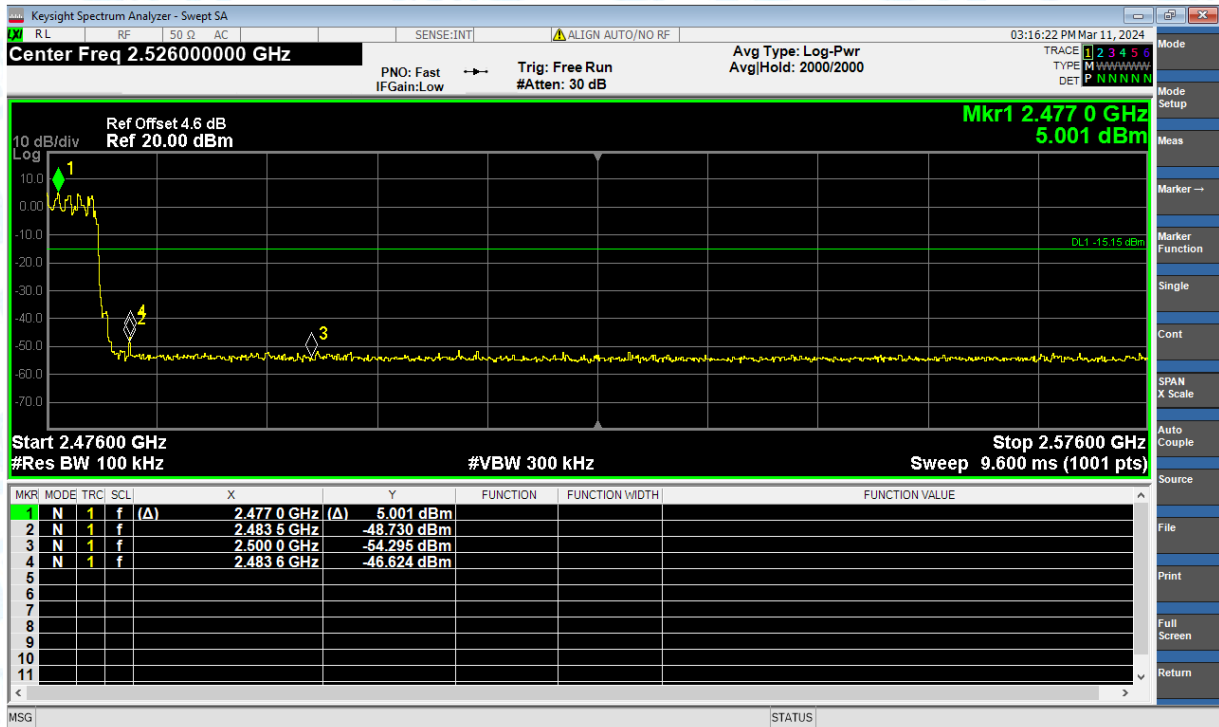
### Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Emission



### Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Ref



### Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Emission

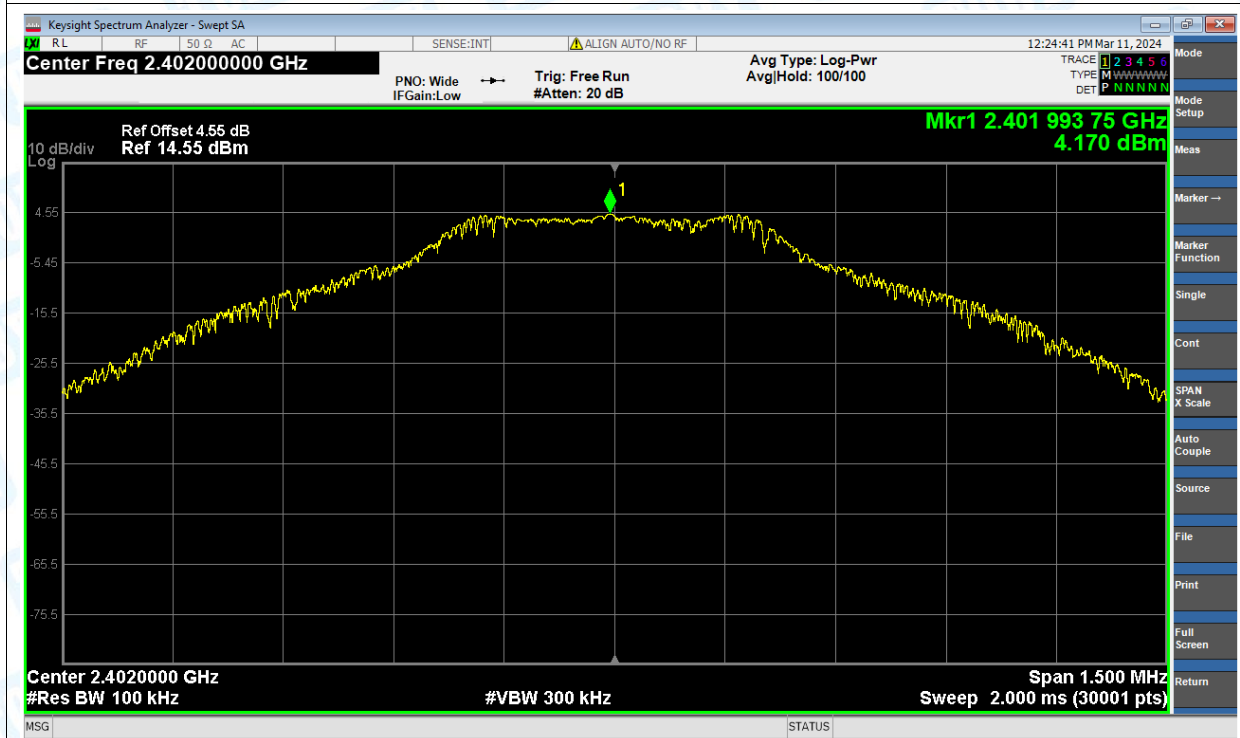


## 7. Conducted RF Spurious Emission

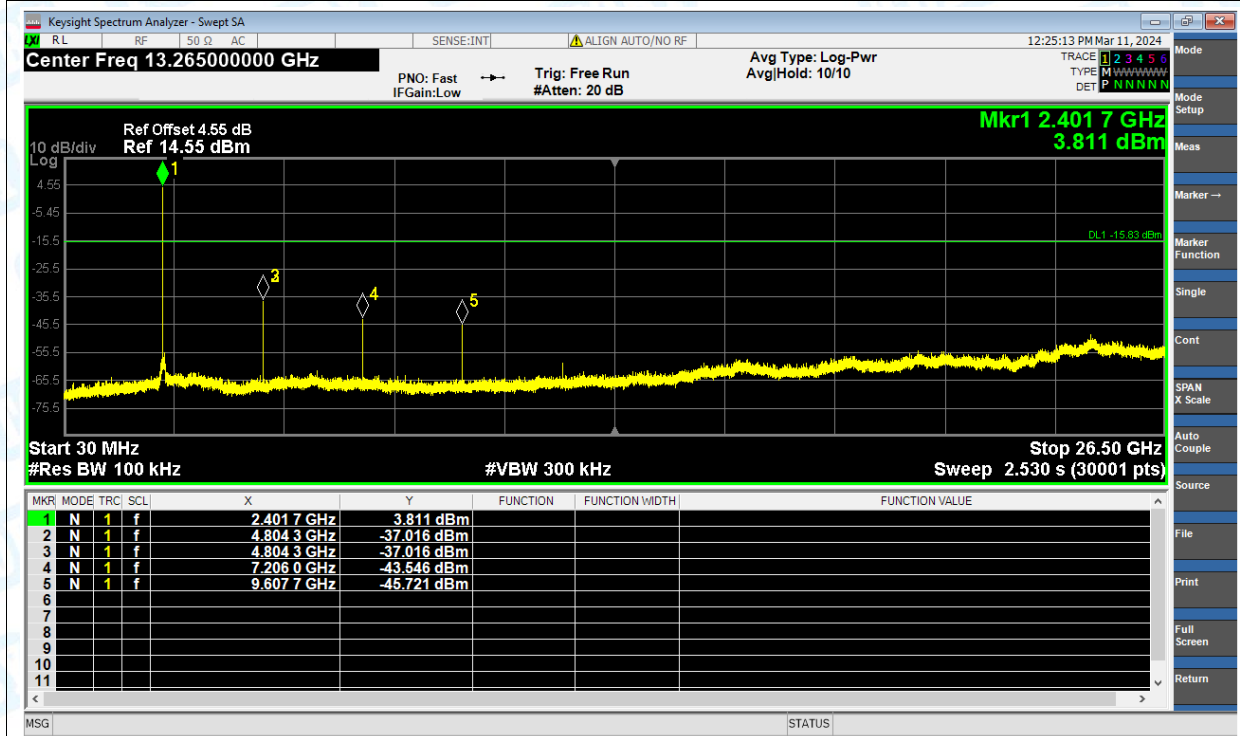
| Condition | Mode  | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | -41.19          | -20         | Pass    |
| NVNT      | 1-DH1 | 2441            | Ant1    | -41.12          | -20         | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | -43.88          | -20         | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | -43.97          | -20         | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | -41.81          | -20         | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | -40.71          | -20         | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | -41.6           | -20         | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | -45.05          | -20         | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | -41.41          | -20         | Pass    |

### Test Graphs

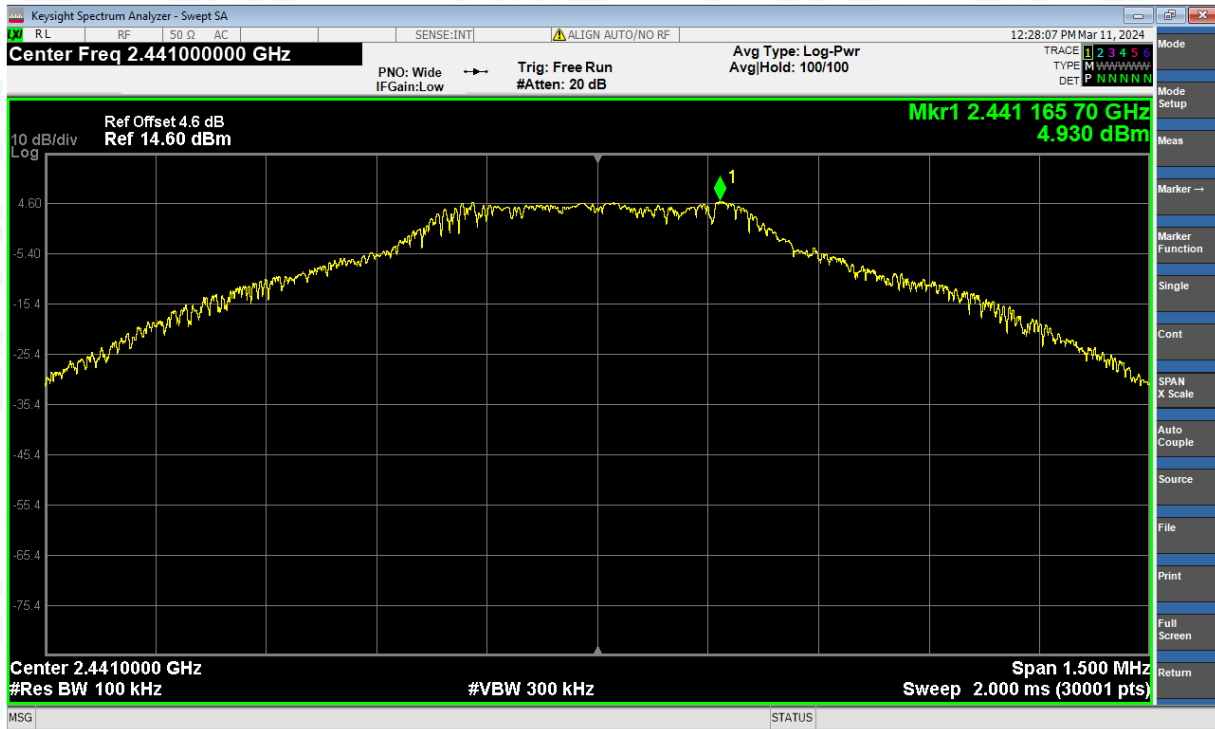
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



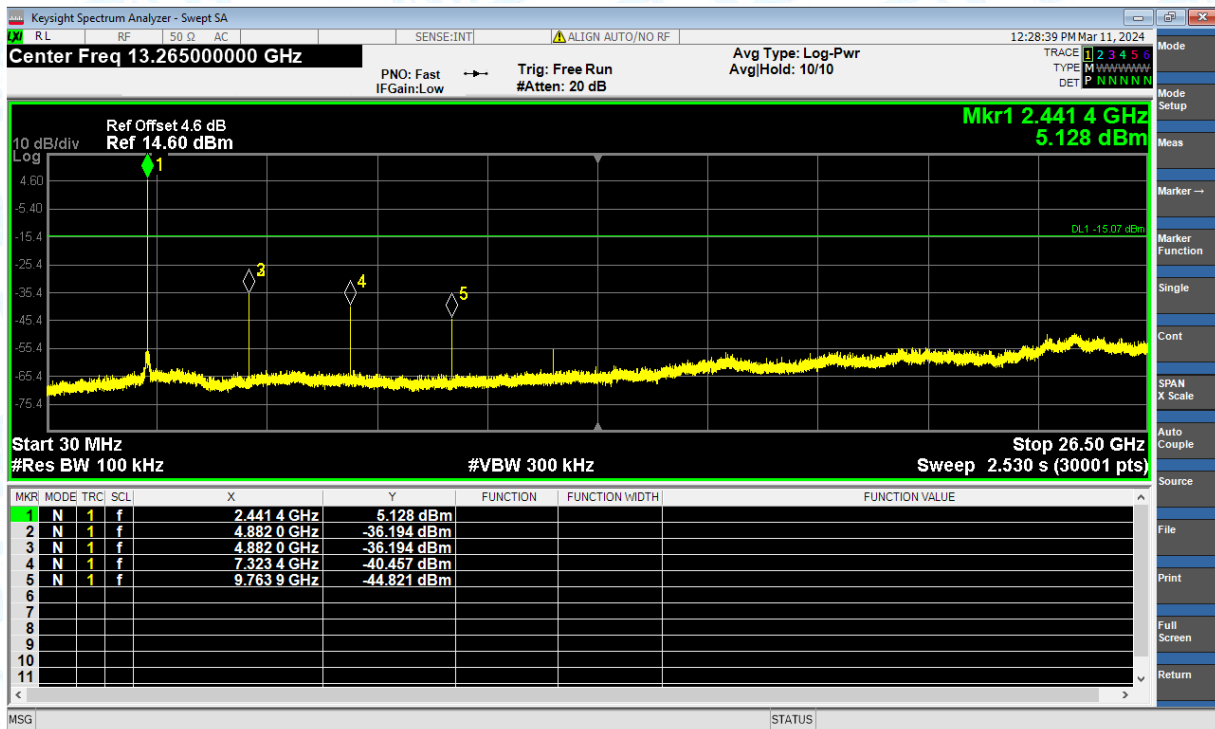
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission



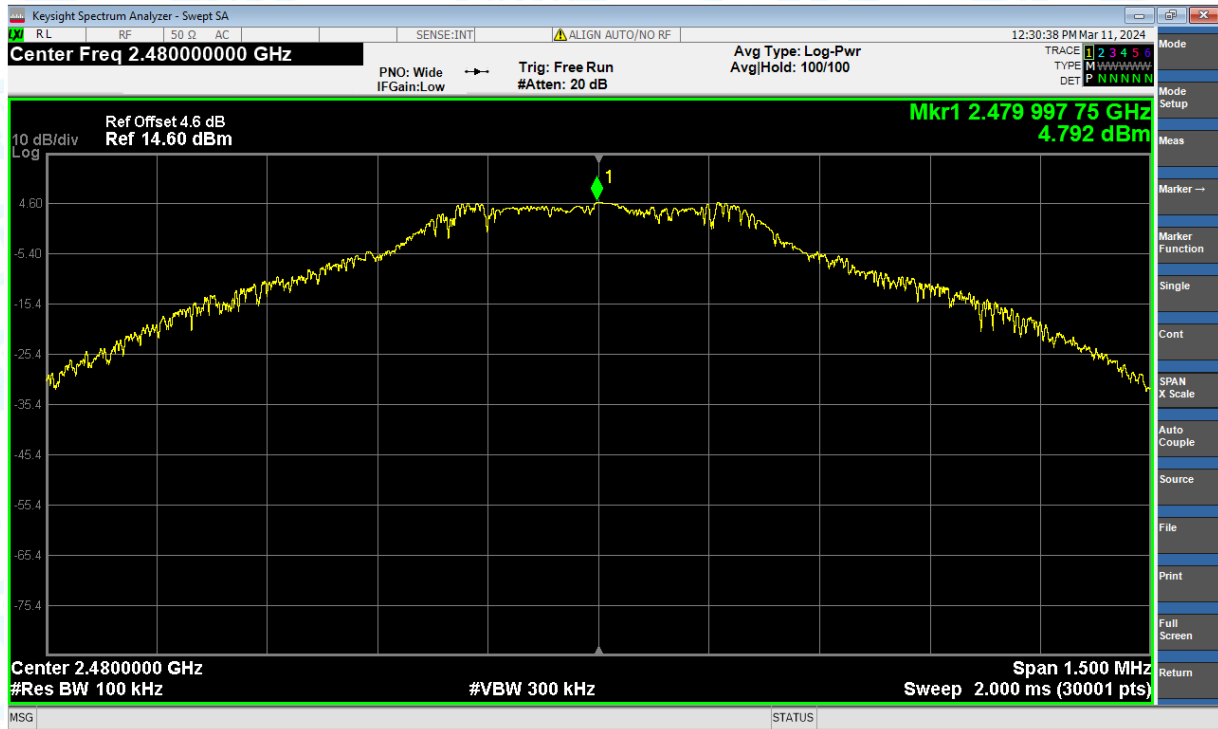
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



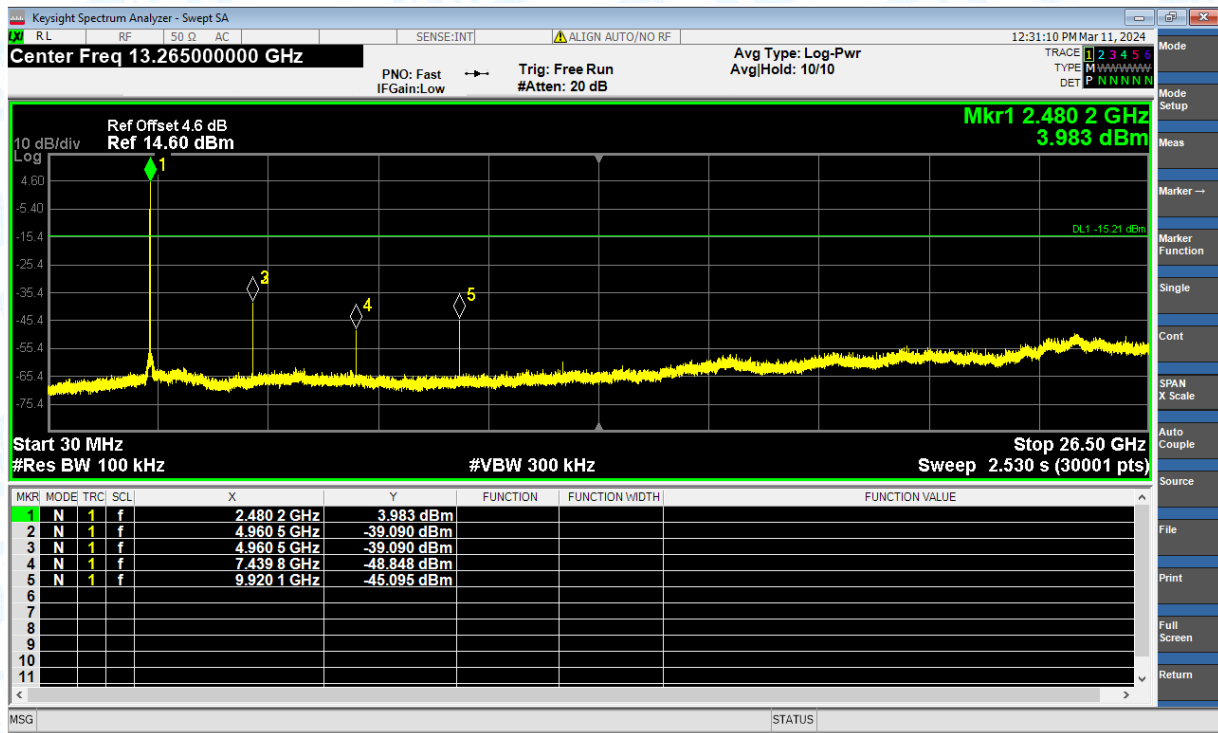
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref



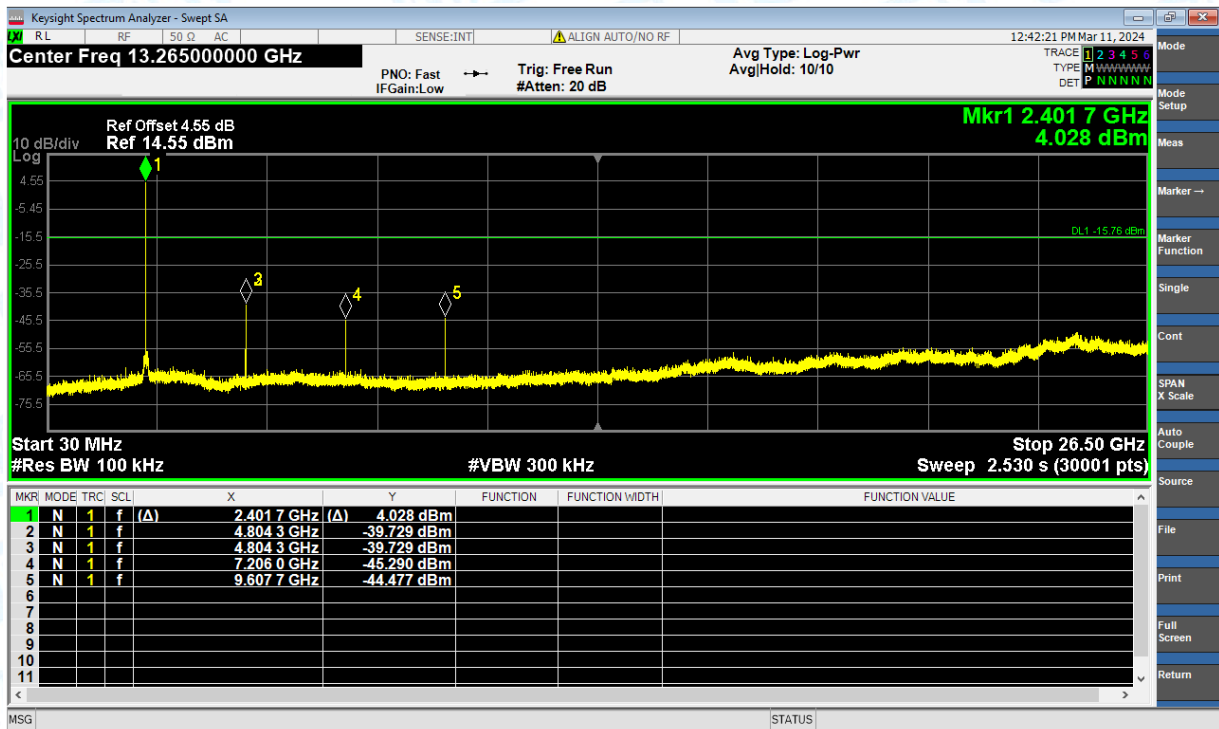
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission



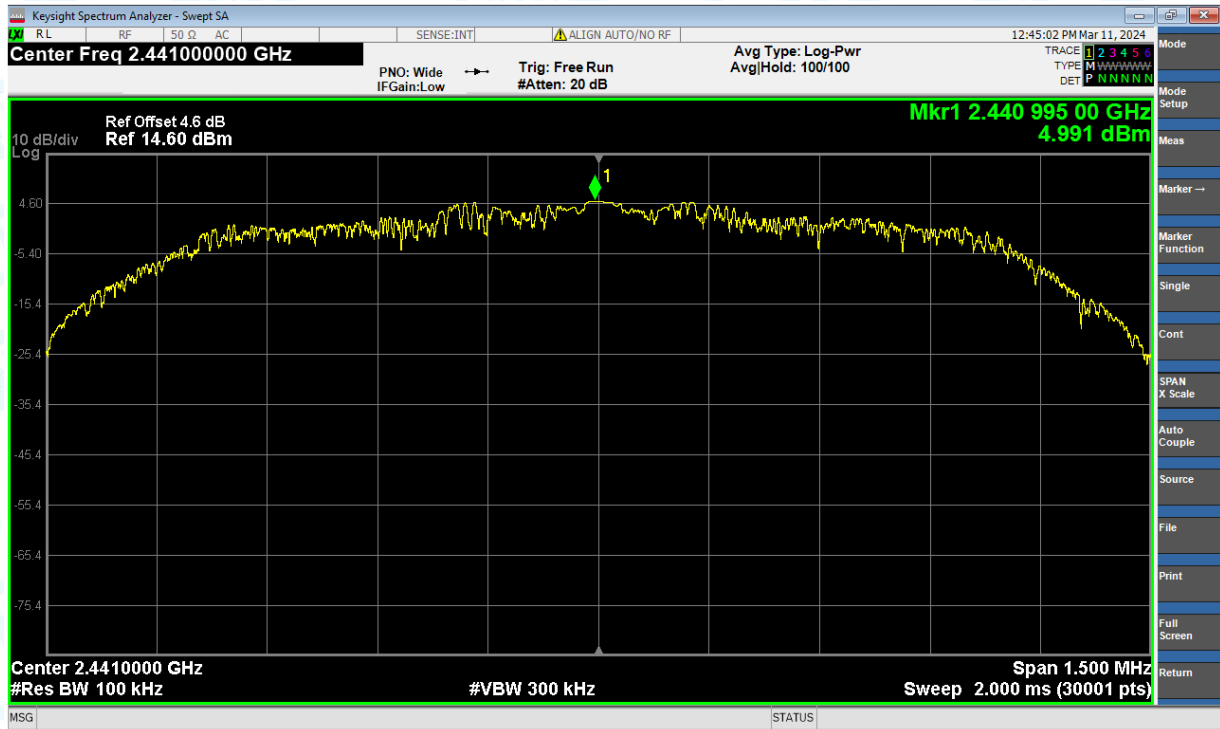
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref



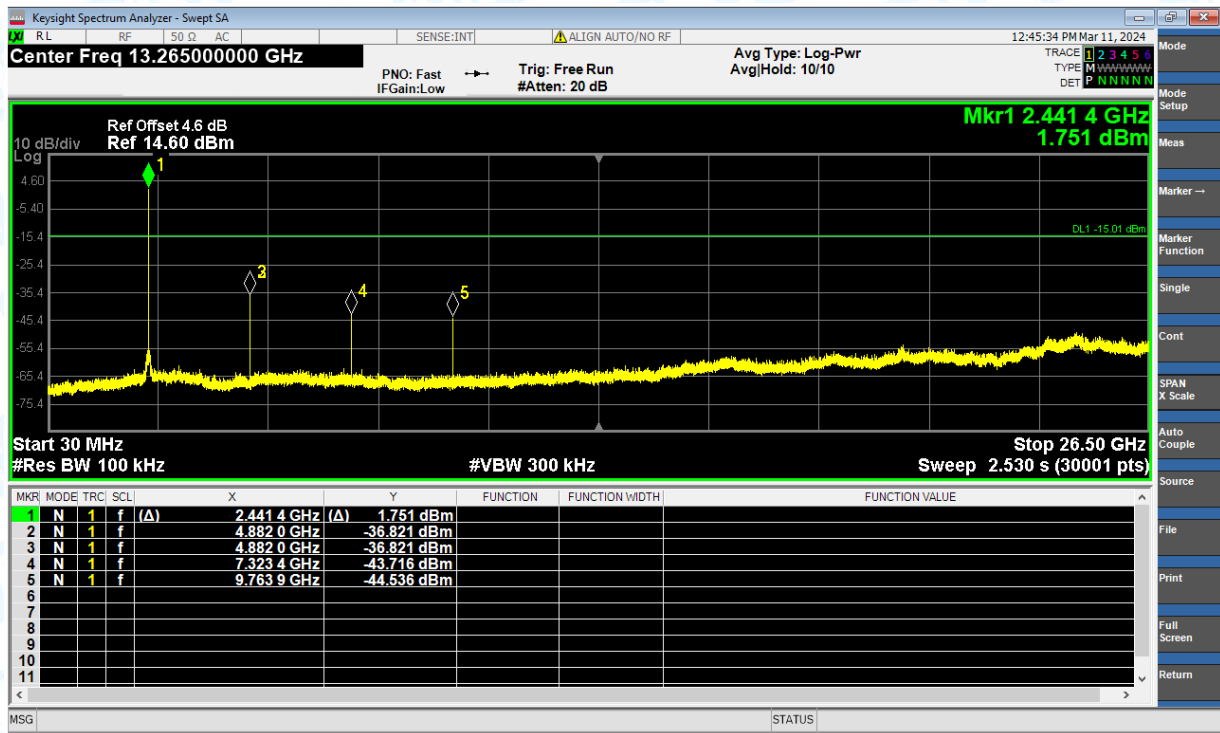
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission



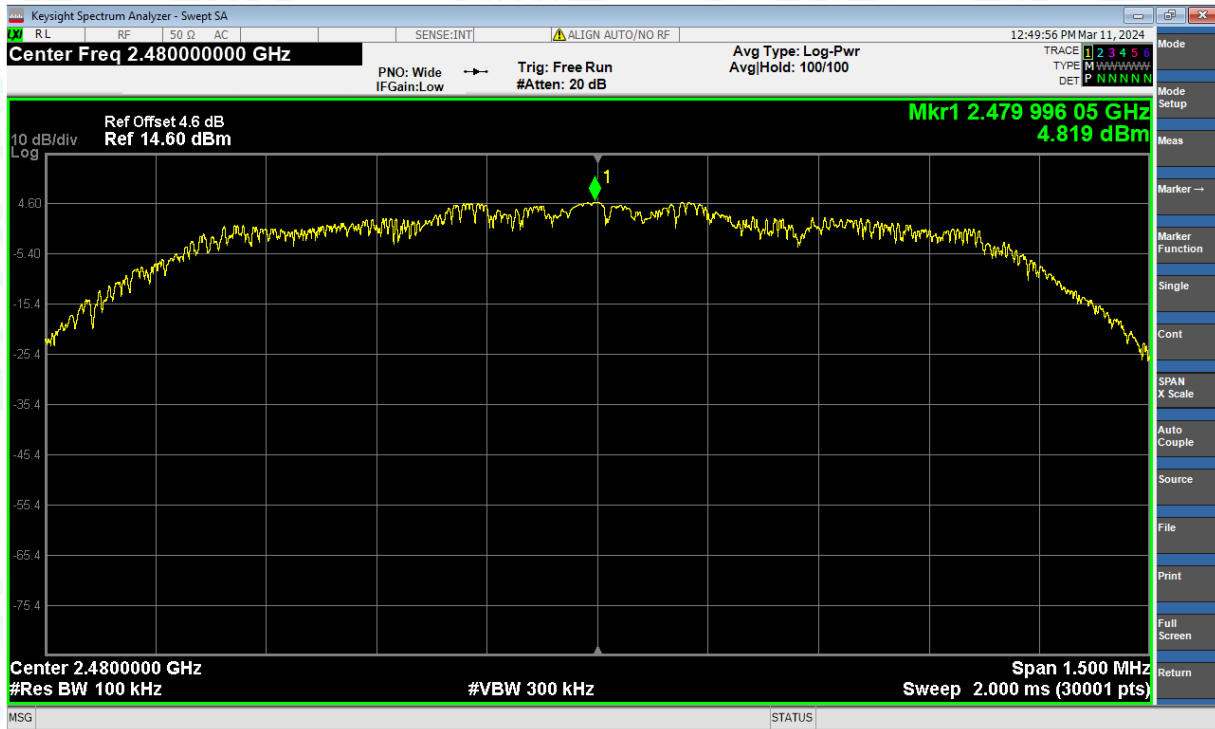
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



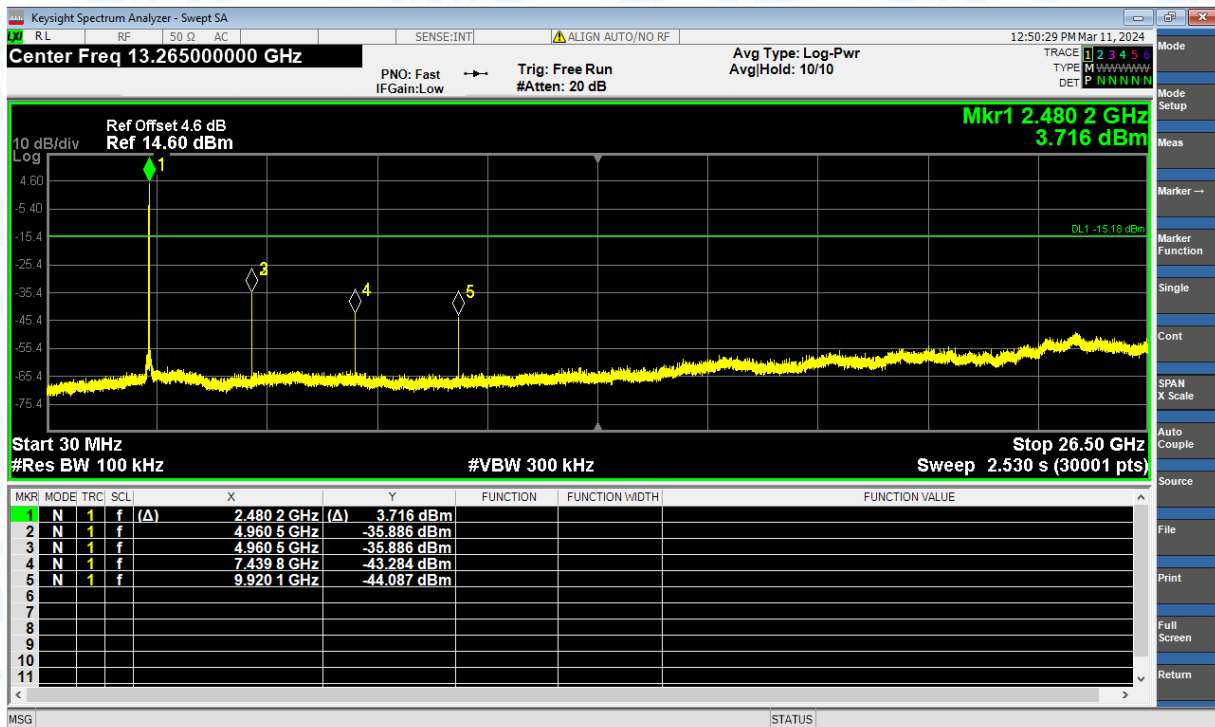
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



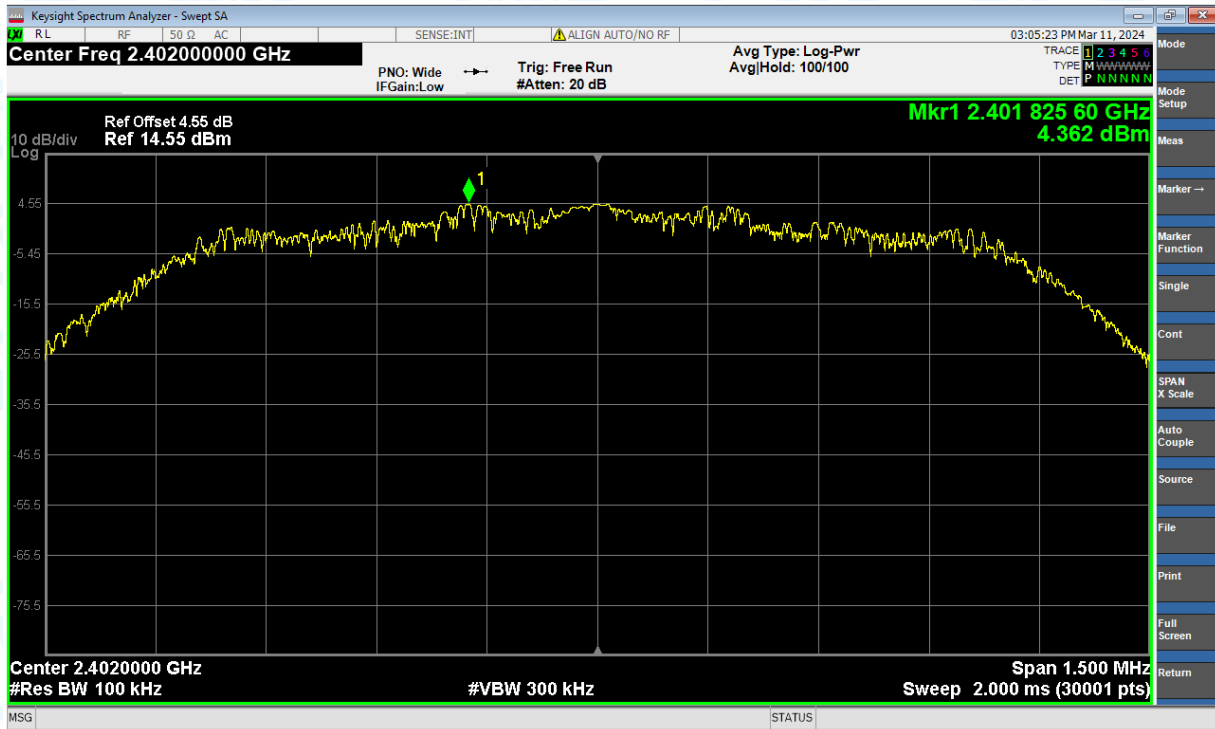
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref



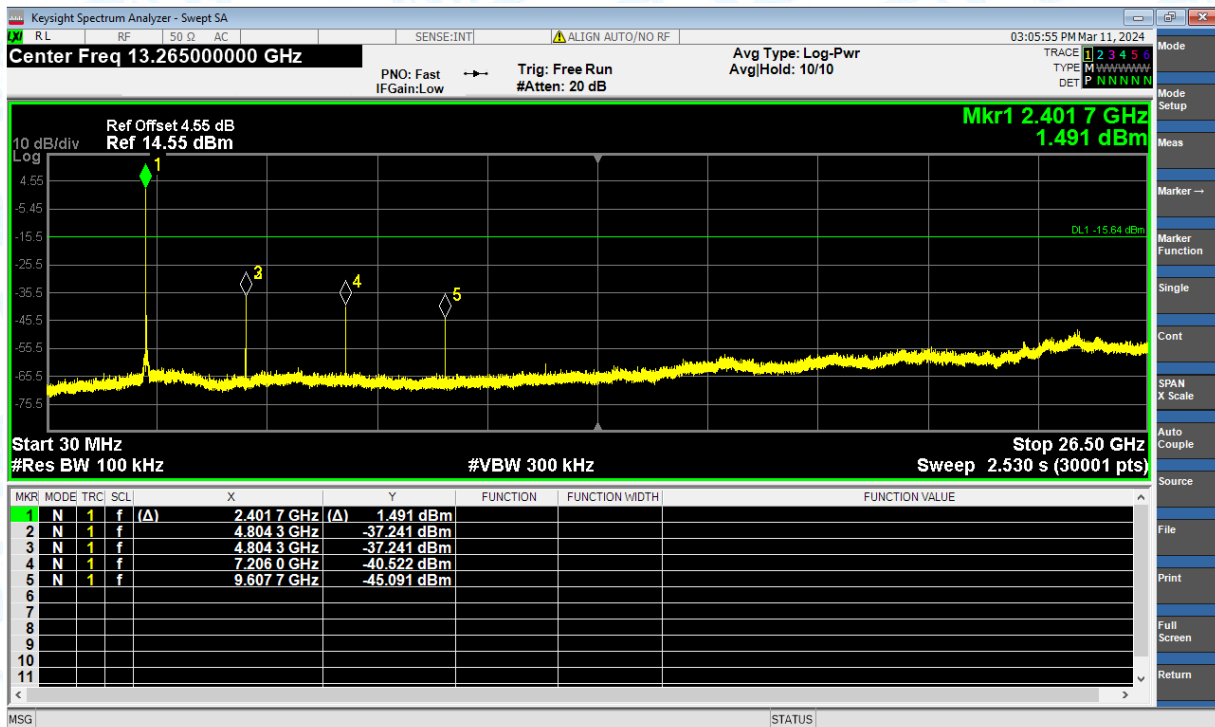
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Ref



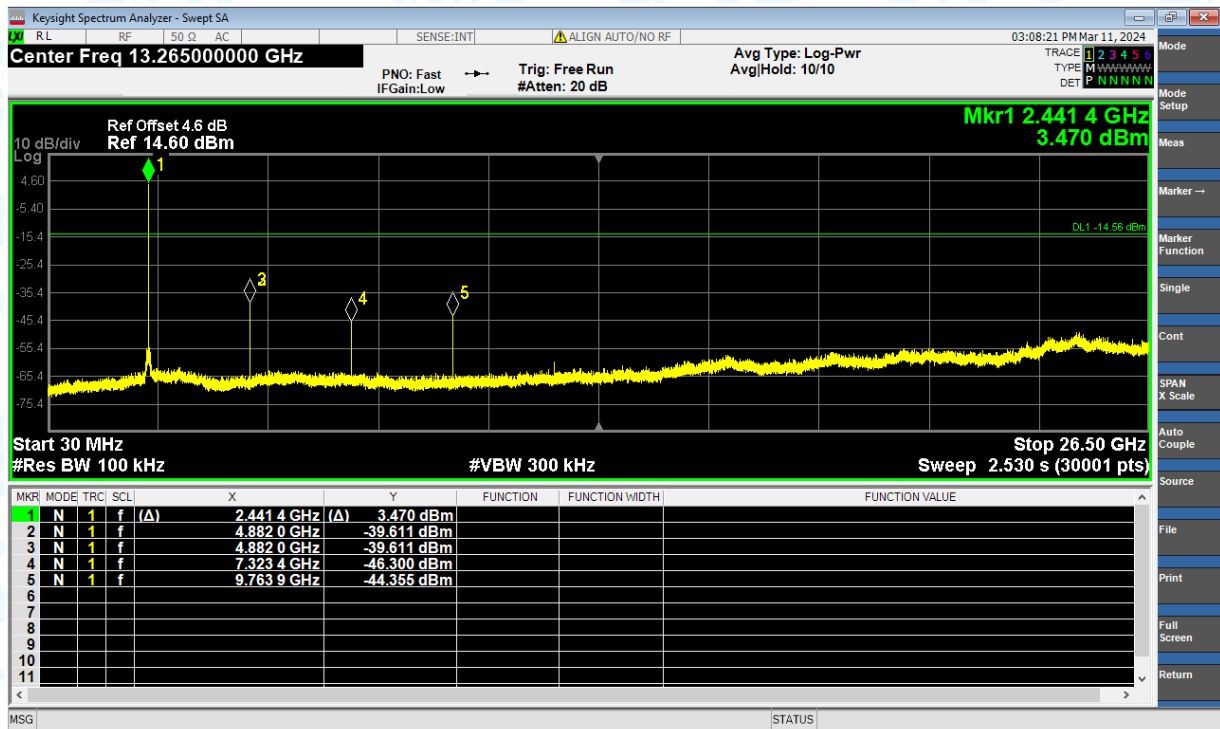
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Ref



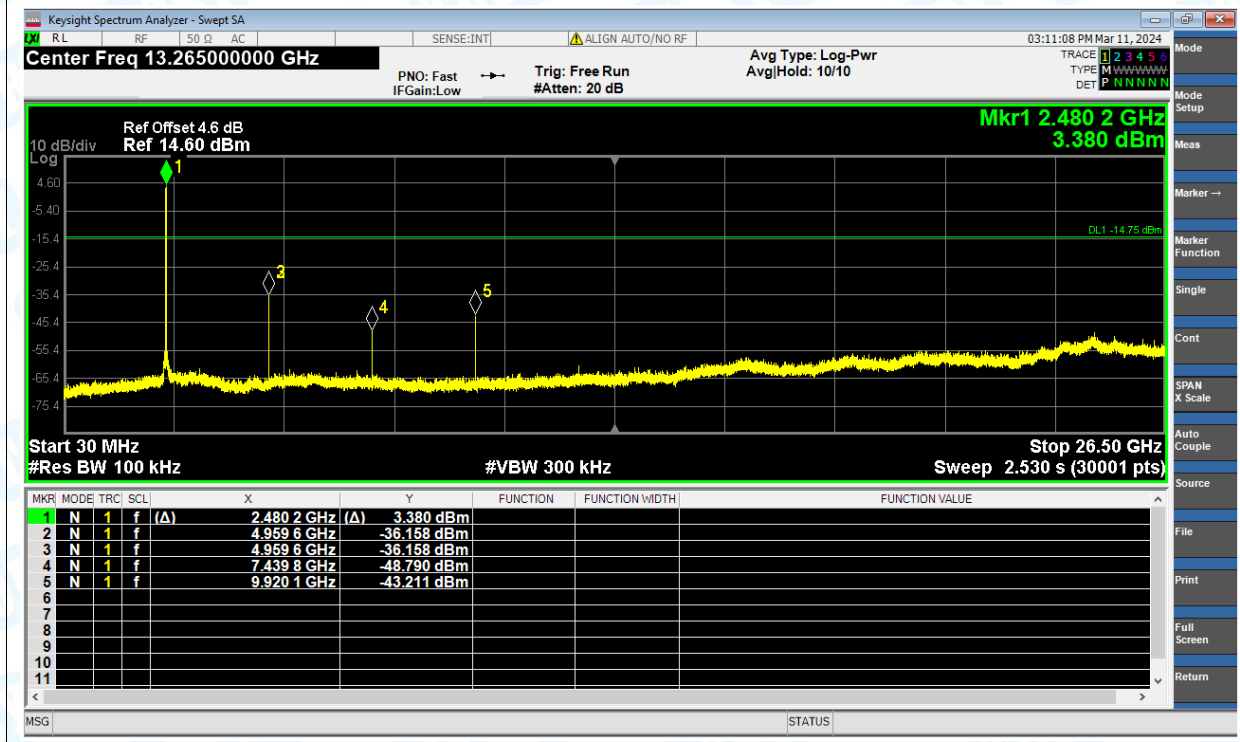
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission

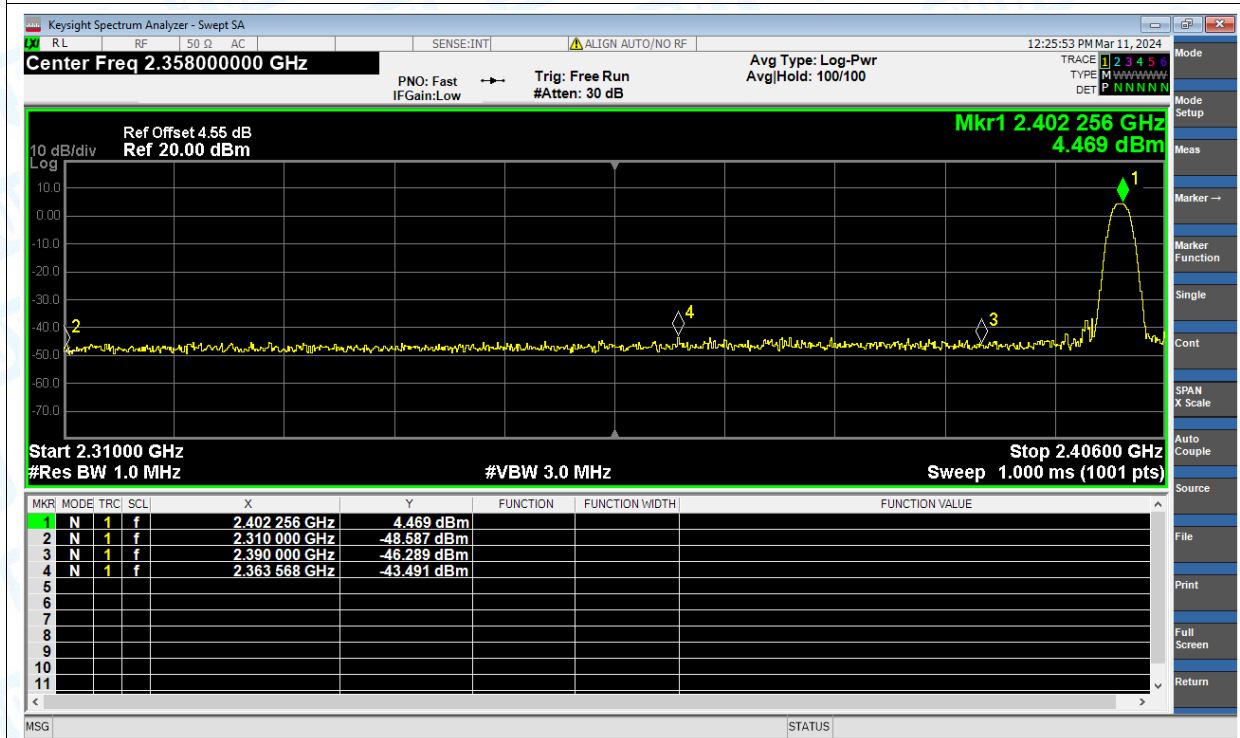


## 8.Restrict Band

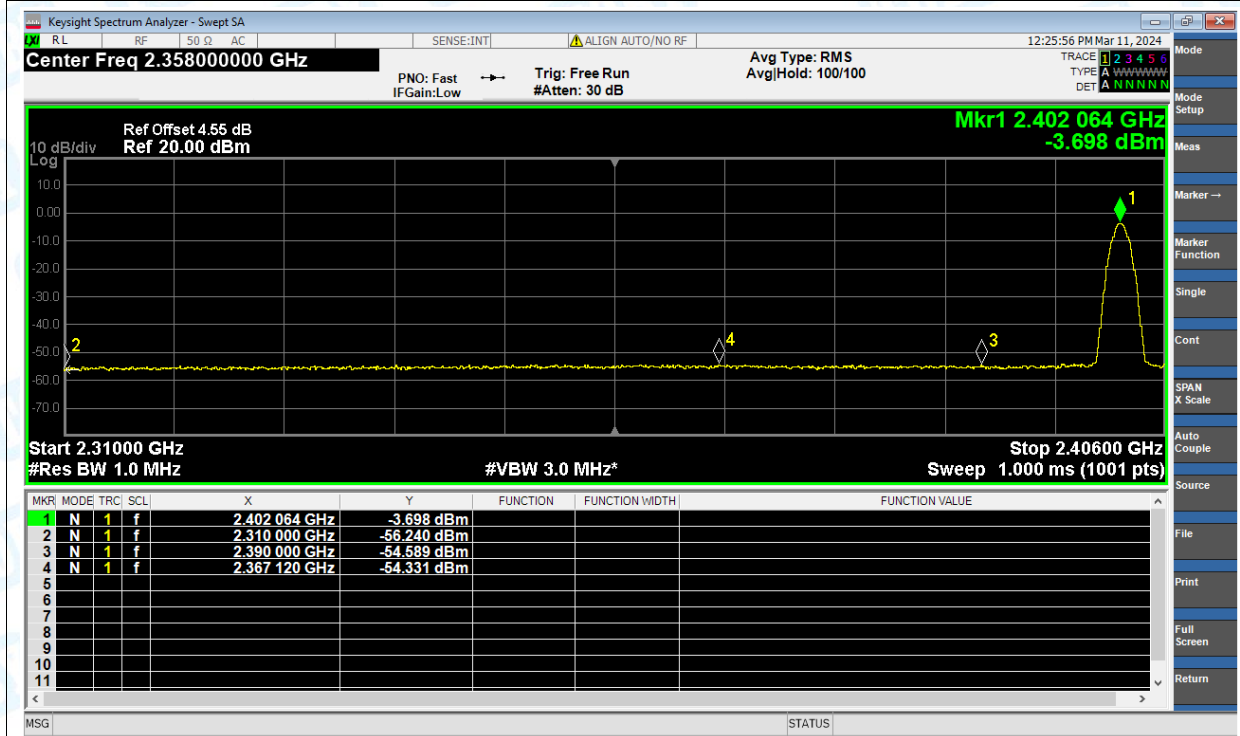
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Spur Freq (MHz) | Power (dBm) | Gain (dBi) | Duty Factor (dB) | E (dBuV/m) | Detector | Limit (dBuV/m) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|------------|------------------|------------|----------|----------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -48.59      | 2          | -                | 48.67      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -56.24      | 2          | 4.84             | 45.86      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2363.568        | -43.49      | 2          | -                | 53.77      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2367.12         | -54.33      | 2          | 4.84             | 47.77      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -46.29      | 2          | -                | 50.97      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -54.59      | 2          | 4.84             | 47.51      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -42.92      | 2          | -                | 54.34      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -53.32      | 2          | 4.84             | 48.78      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2484.448        | -39.02      | 2          | -                | 58.24      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2484.304        | -52.34      | 2          | 4.84             | 49.76      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -44.66      | 2          | -                | 52.6       | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -54.45      | 2          | 4.84             | 47.65      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -47.47      | 2          | -                | 49.79      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -56.04      | 2          | 4.74             | 45.96      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2369.52         | -42.89      | 2          | -                | 54.37      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2373.744        | -53.87      | 2          | 4.74             | 48.13      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -46.43      | 2          | -                | 50.83      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -55.25      | 2          | 4.74             | 46.75      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -42.89      | 2          | -                | 54.37      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -53.29      | 2          | 4.74             | 48.71      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2484.328        | -38.33      | 2          | -                | 58.93      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2484.472        | -52.09      | 2          | 4.74             | 49.91      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -45.26      | 2          | -                | 52         | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -54.54      | 2          | 4.74             | 47.46      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -47.99      | 2          | -                | 49.27      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -55.58      | 2          | 4.74             | 46.42      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2366.064        | -43.78      | 2          | -                | 53.48      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2375.184        | -54.13      | 2          | 4.74             | 47.87      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -47.29      | 2          | -                | 49.97      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -54.78      | 2          | 4.74             | 47.22      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -43.88      | 2          | -                | 53.38      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -53.68      | 2          | 4.74             | 48.32      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2484.832        | -37.94      | 2          | -                | 59.32      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2483.632        | -52.91      | 2          | 4.74             | 49.09      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -45.32      | 2          | -                | 51.94      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -54.53      | 2          | 4.74             | 47.47      | Average  | 54             | Pass    |

## Test Graphs

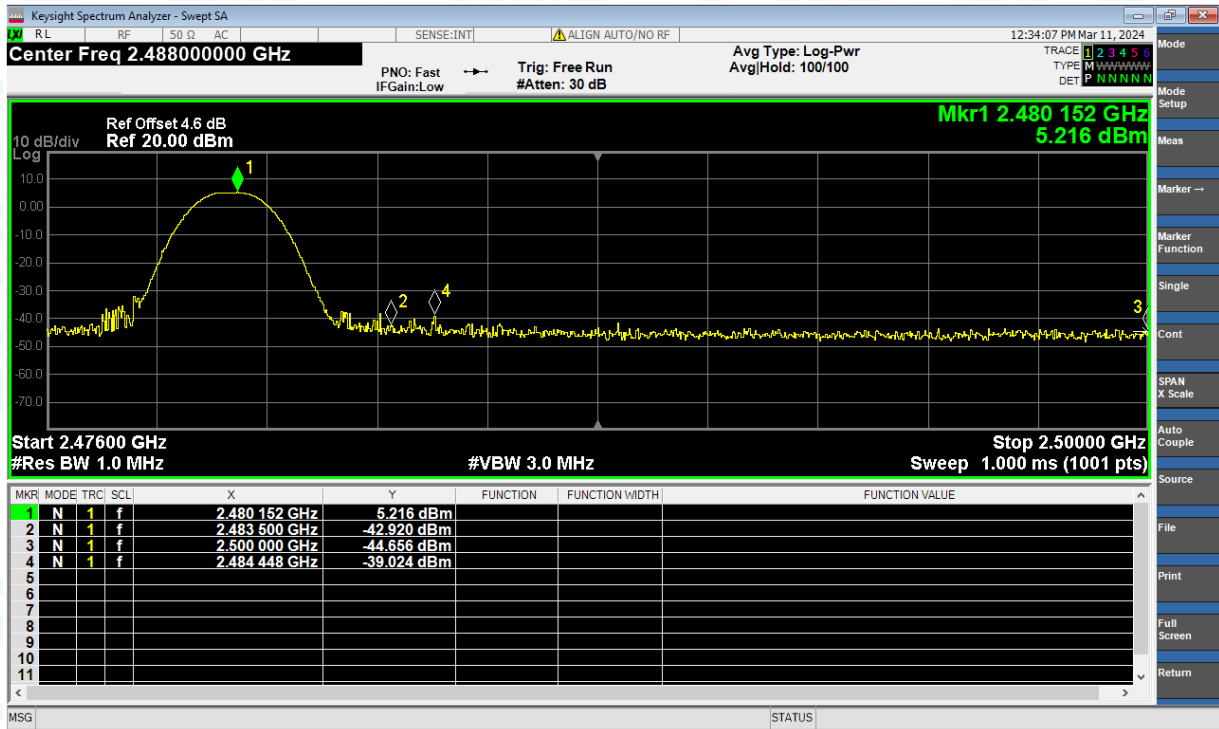
### Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Peak



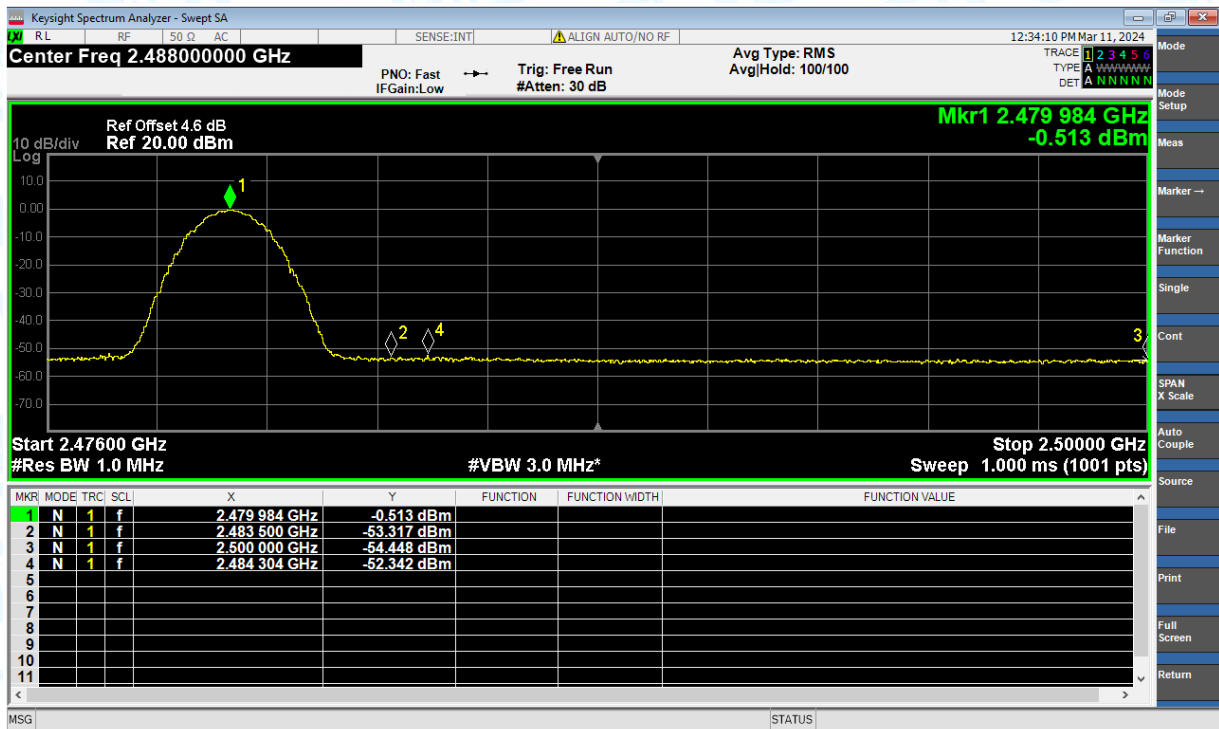
### Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Average



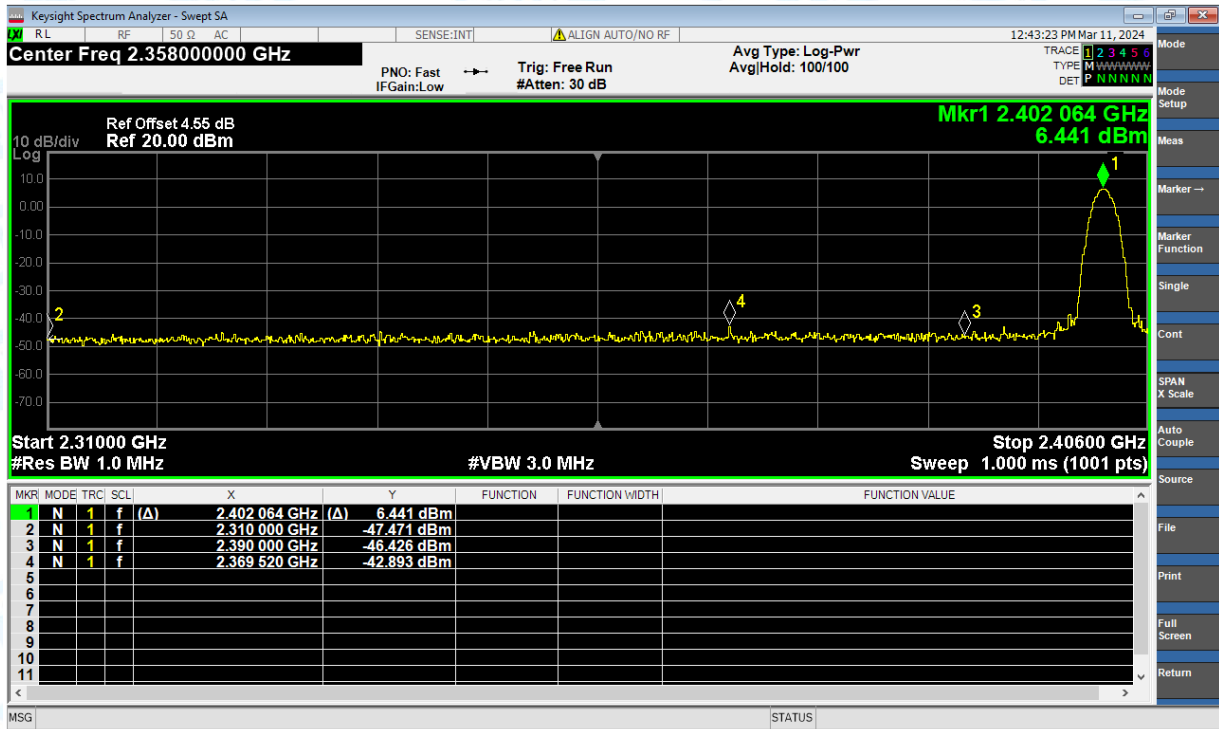
### Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Peak



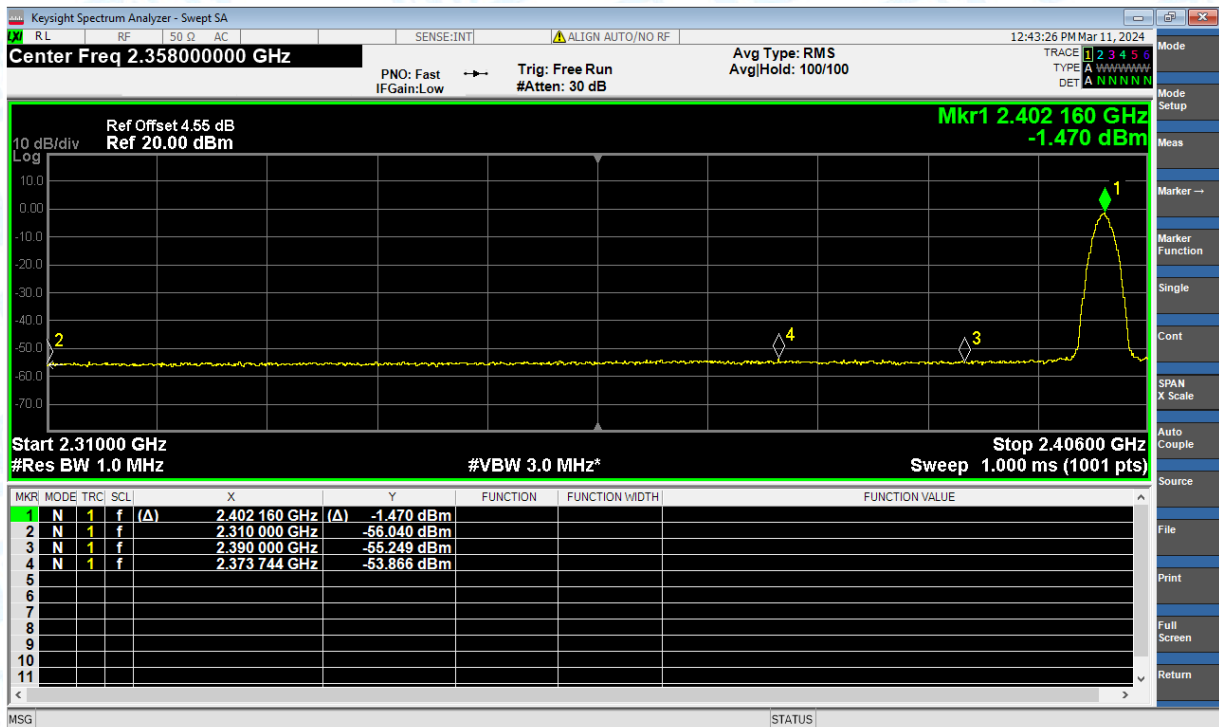
### Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Average



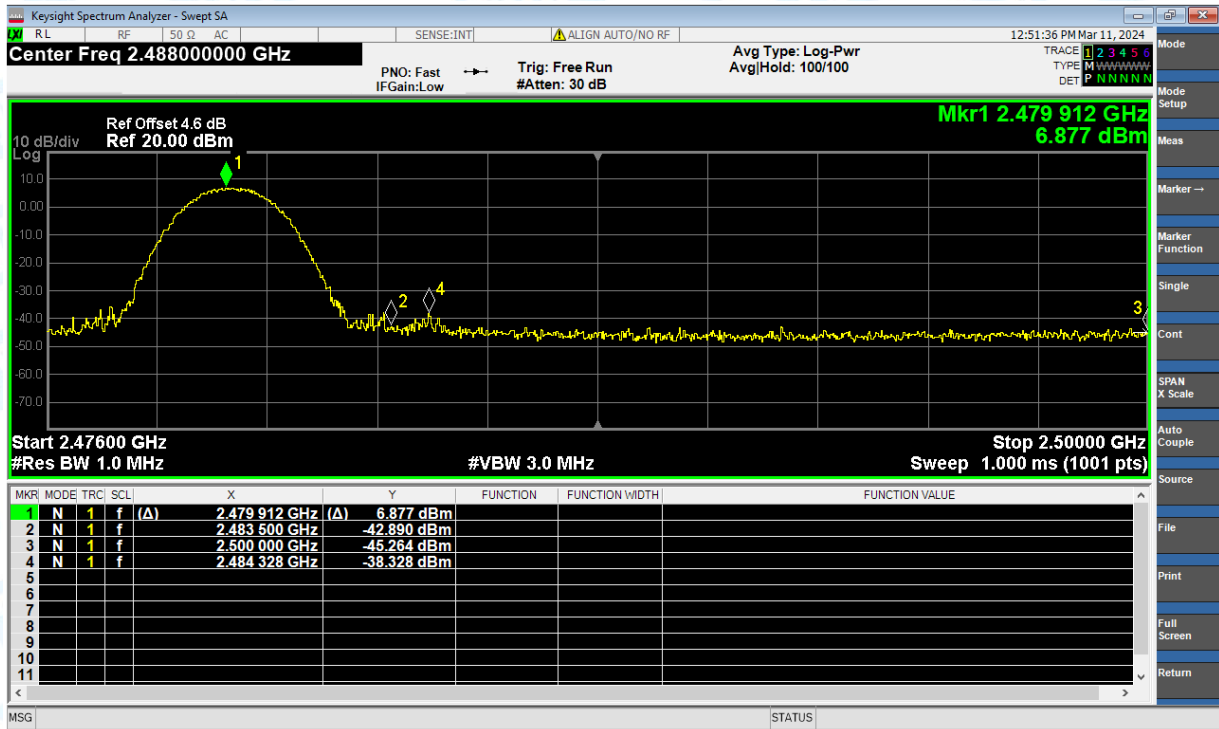
### Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Peak



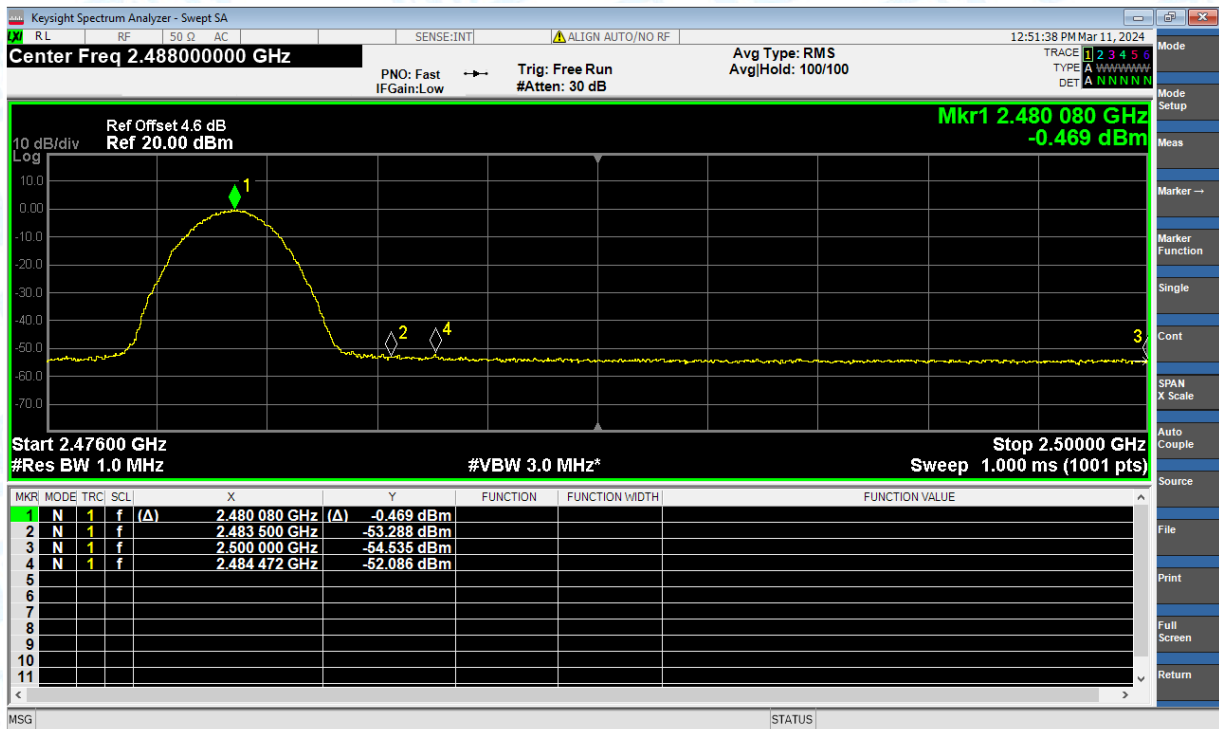
### Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Average



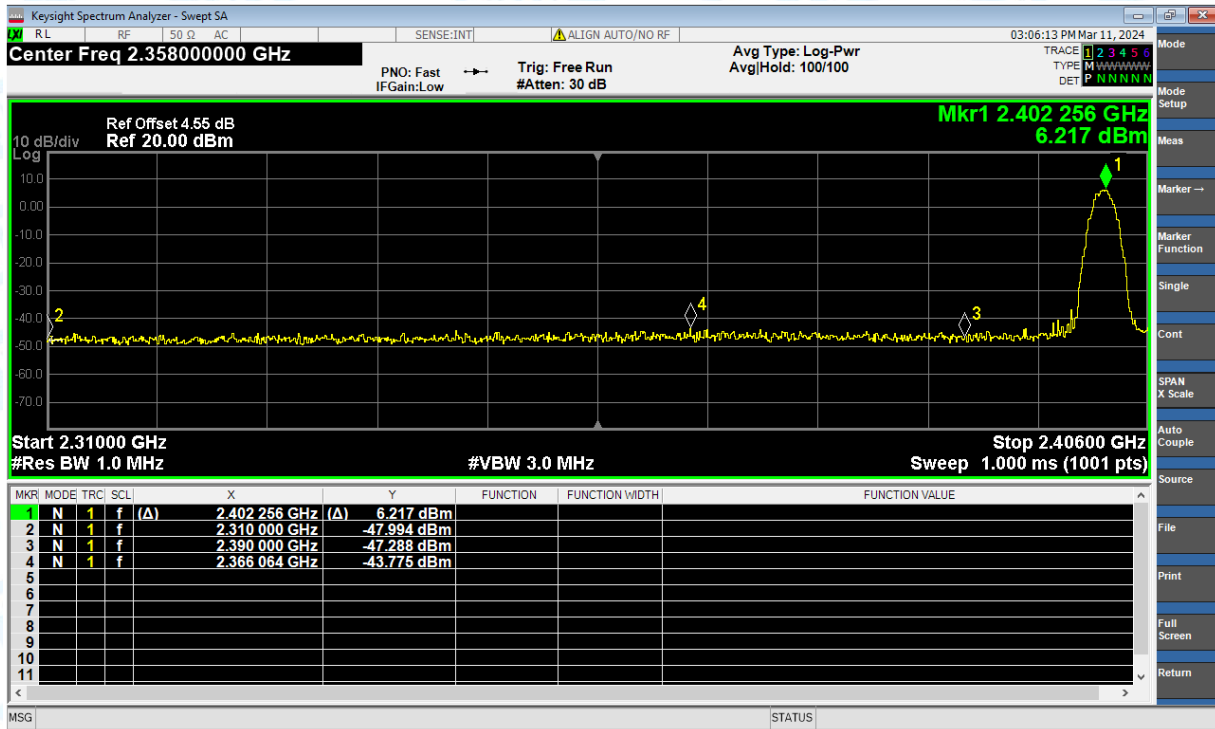
### Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Peak



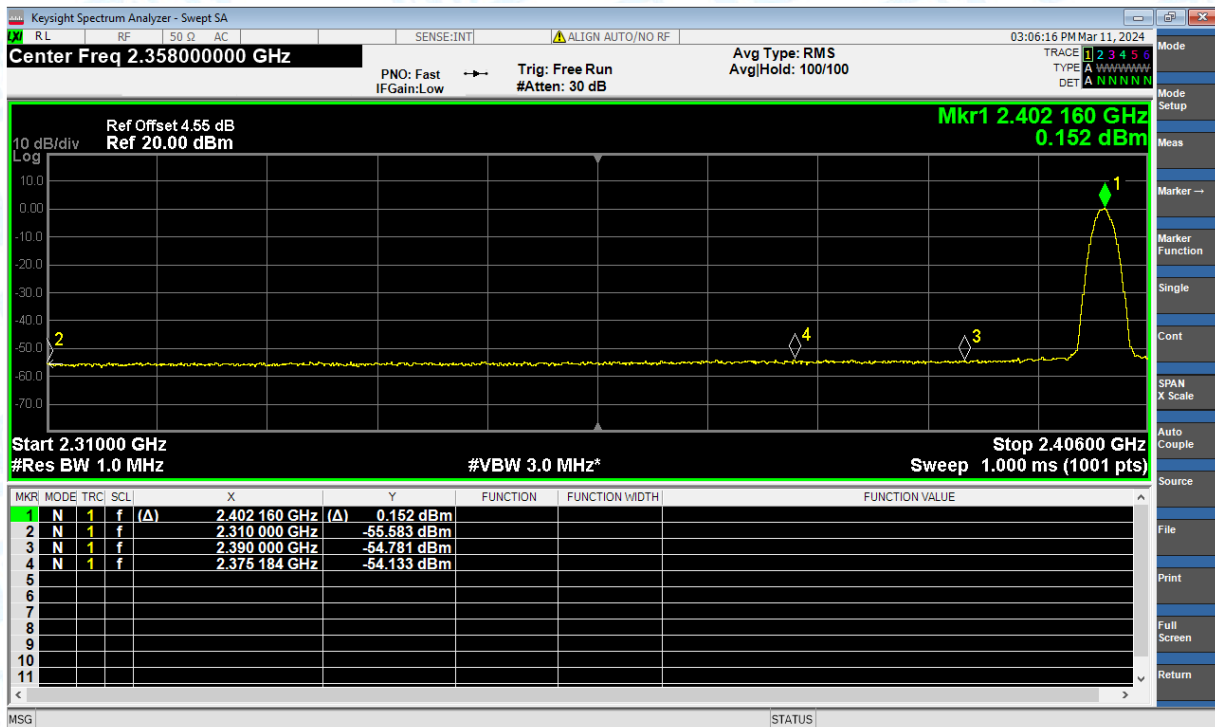
### Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Average



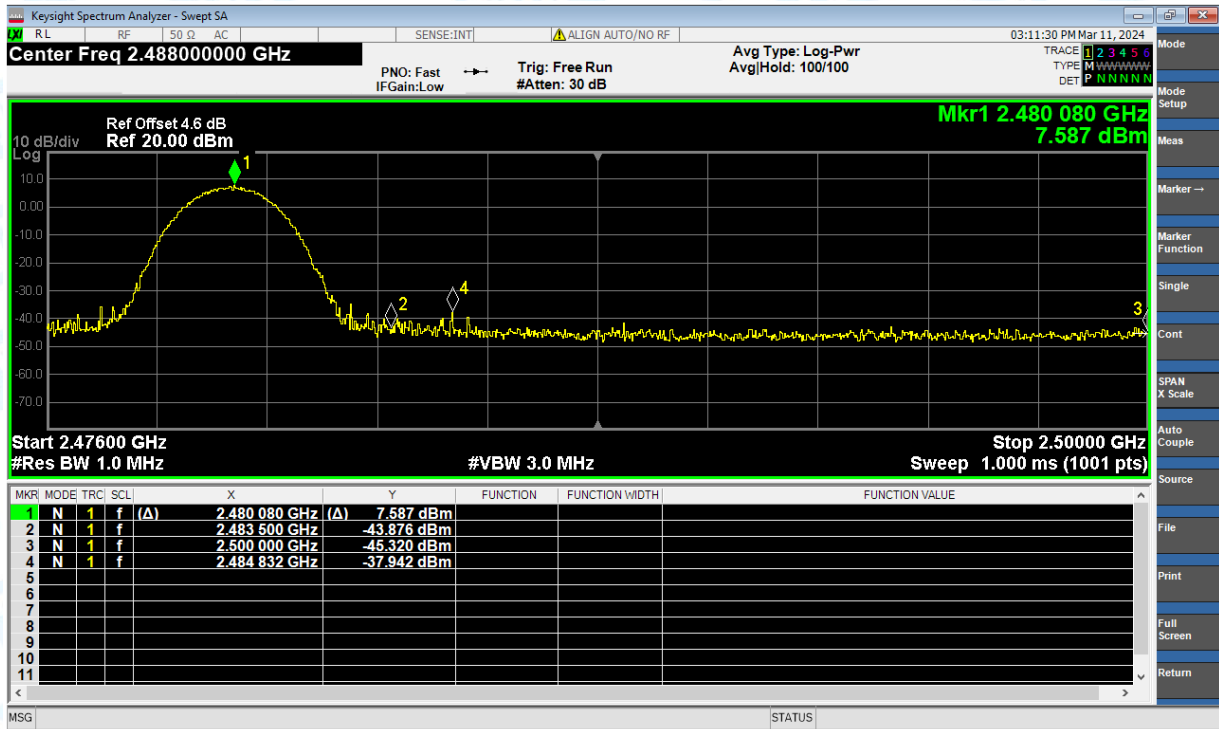
### Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Peak



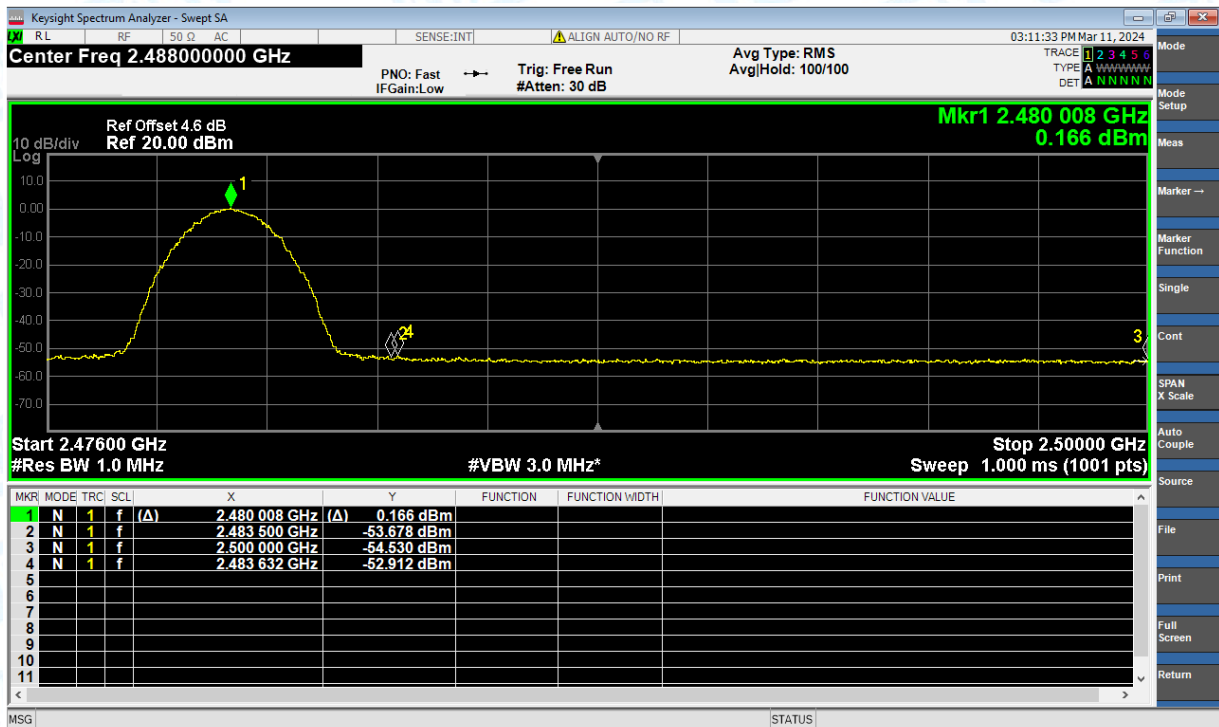
### Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Average



### Restrict Band NVNT 3-DH1 2480MHz Ant1 No-Hopping Peak



### Restrict Band NVNT 3-DH1 2480MHz Ant1 No-Hopping Average



## 9.Carrier Frequencies Separation

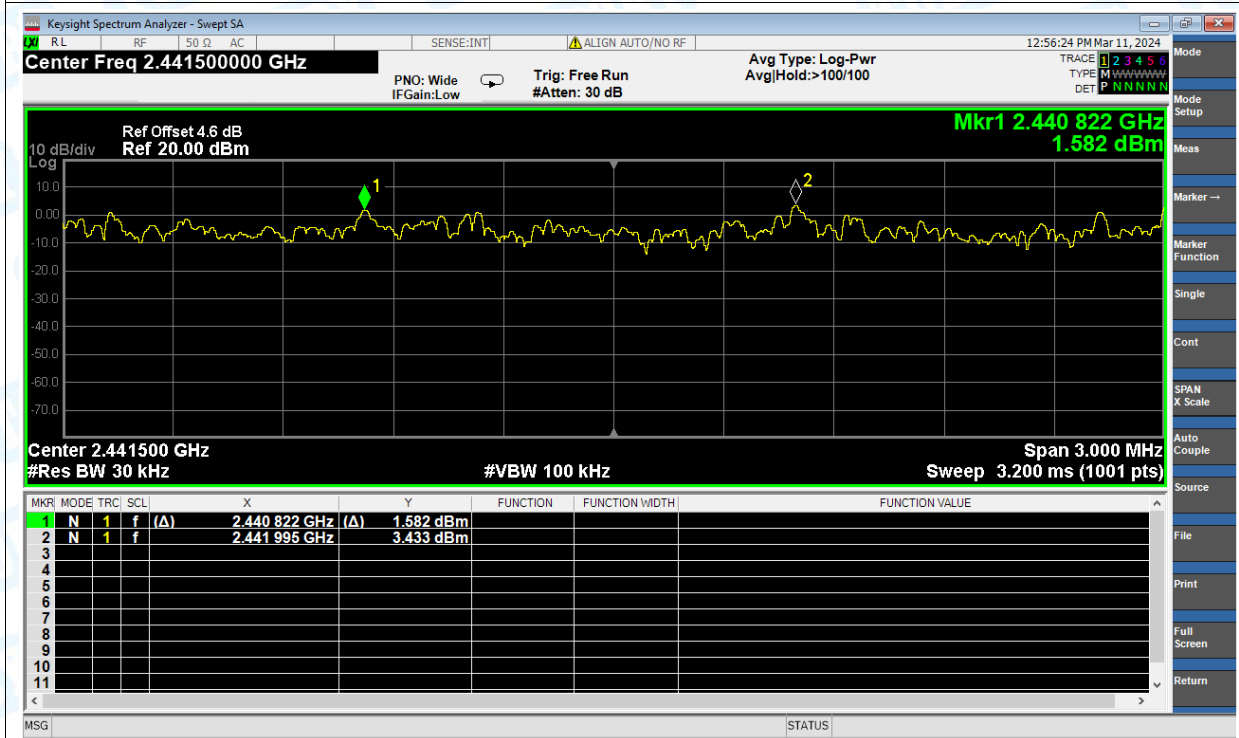
| Condition | Mode  | Antenna | Hopping Freq1 (MHz) | Hopping Freq2 (MHz) | HFS (MHz) | Limit (MHz) | Verdict |
|-----------|-------|---------|---------------------|---------------------|-----------|-------------|---------|
| NVNT      | 1-DH1 | Ant1    | 2441.002            | 2441.986            | 0.984     | 0.553       | Pass    |
| NVNT      | 2-DH1 | Ant1    | 2440.822            | 2441.995            | 1.173     | 0.82        | Pass    |
| NVNT      | 3-DH1 | Ant1    | 2440.984            | 2441.998            | 1.014     | 0.813       | Pass    |

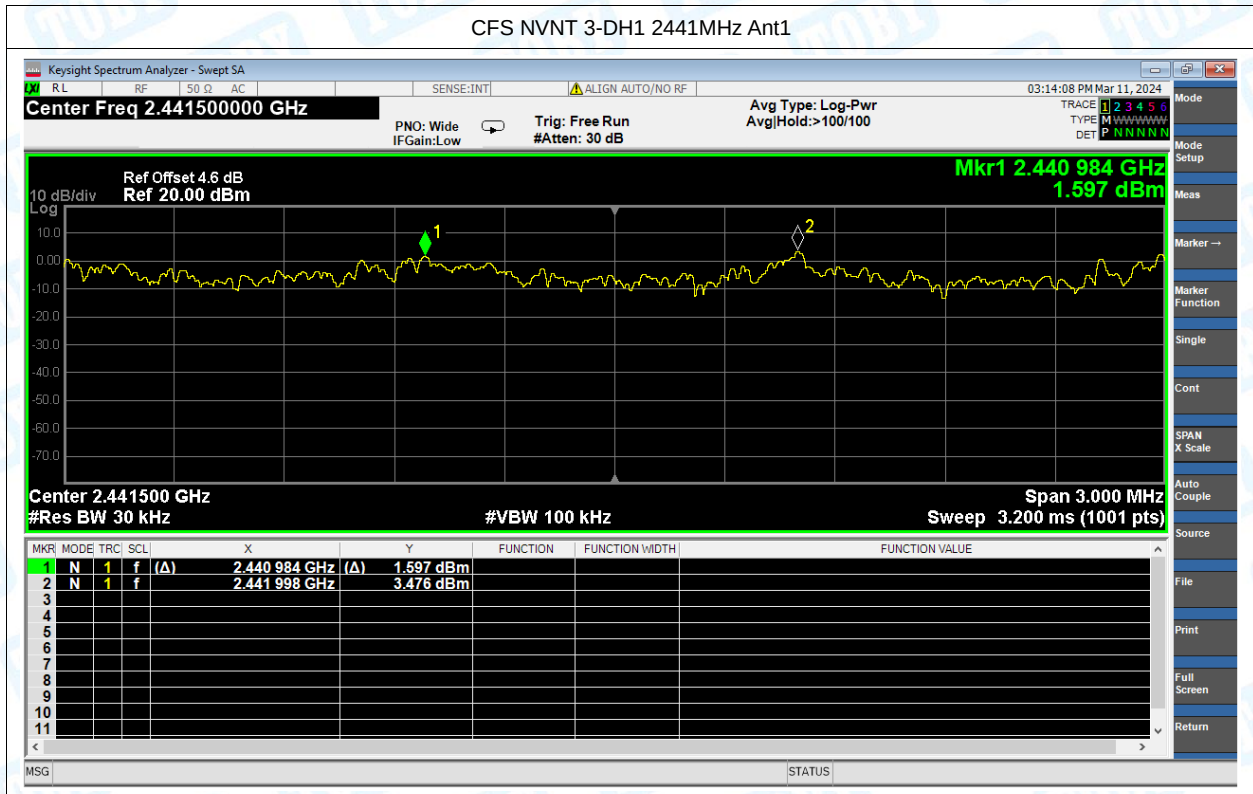
### Test Graphs

CFS NVNT 1-DH1 2441MHz Ant1



CFS NVNT 2-DH1 2441MHz Ant1



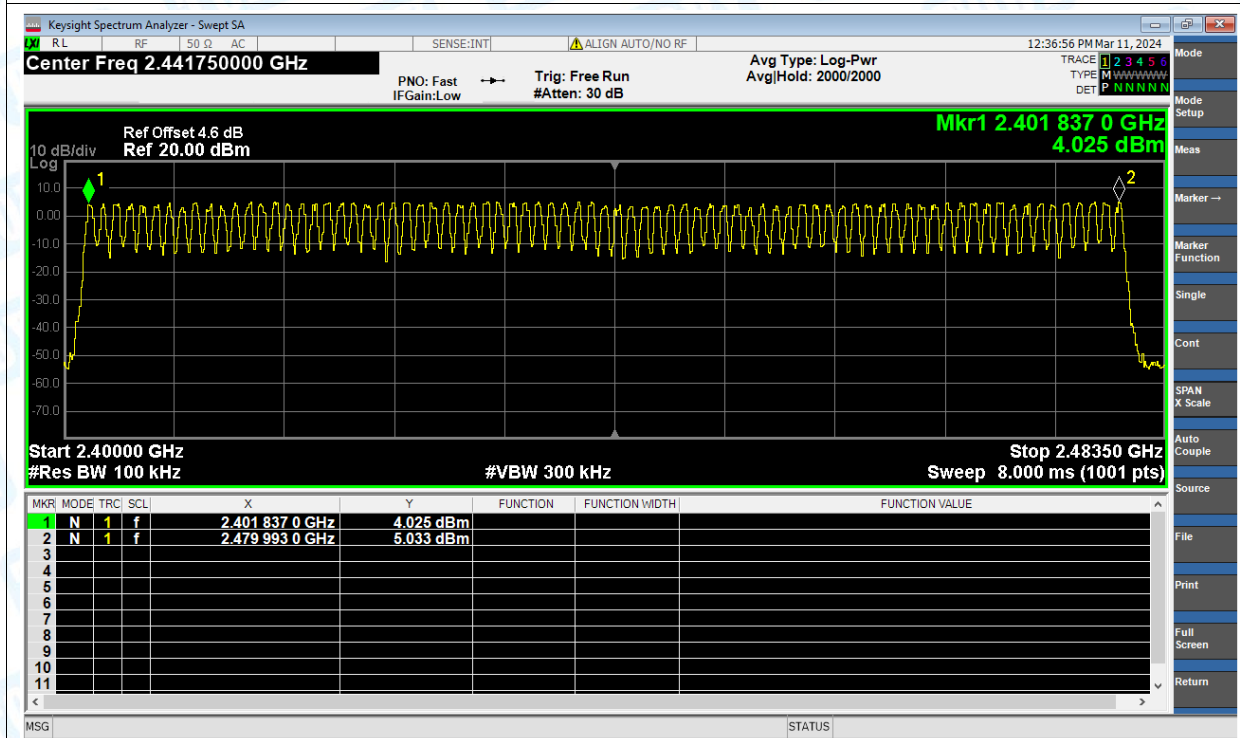


## 10.Number of Hopping Channel

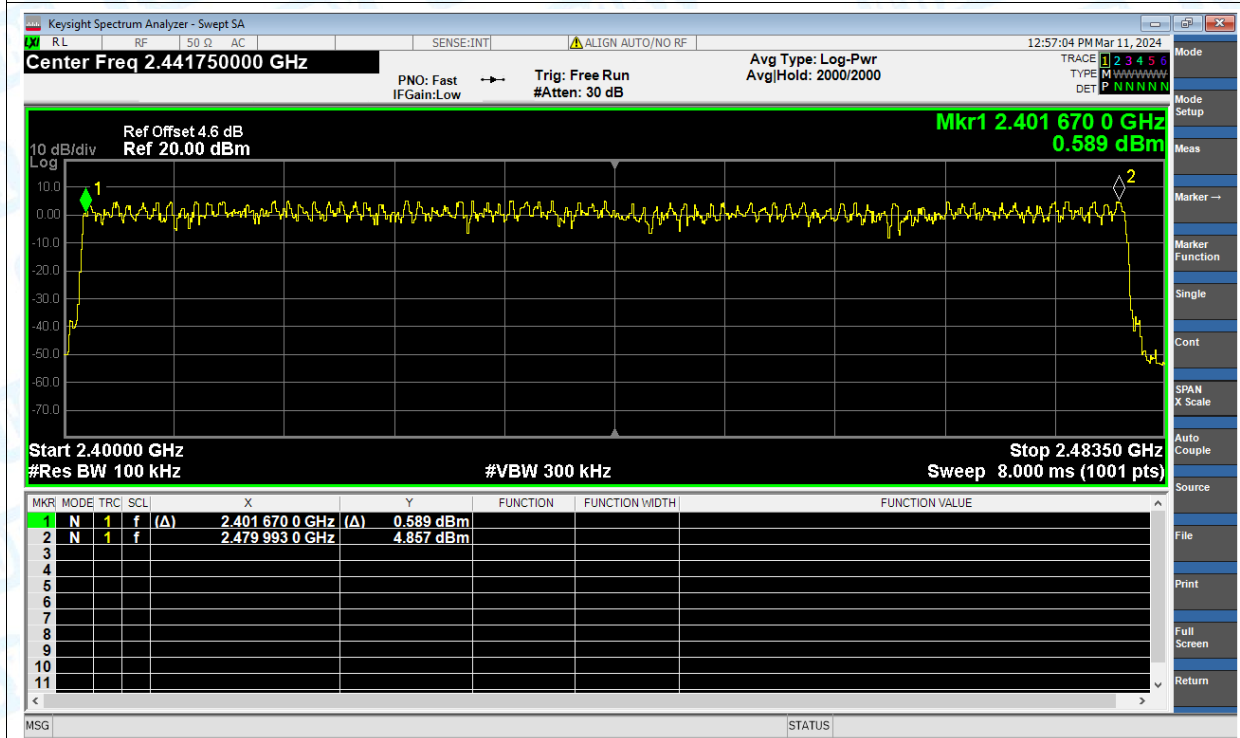
| Condition | Mode  | Antenna | Hopping Number | Limit | Verdict |
|-----------|-------|---------|----------------|-------|---------|
| NVNT      | 1-DH1 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 2-DH1 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 3-DH1 | Ant1    | 79             | 15    | Pass    |

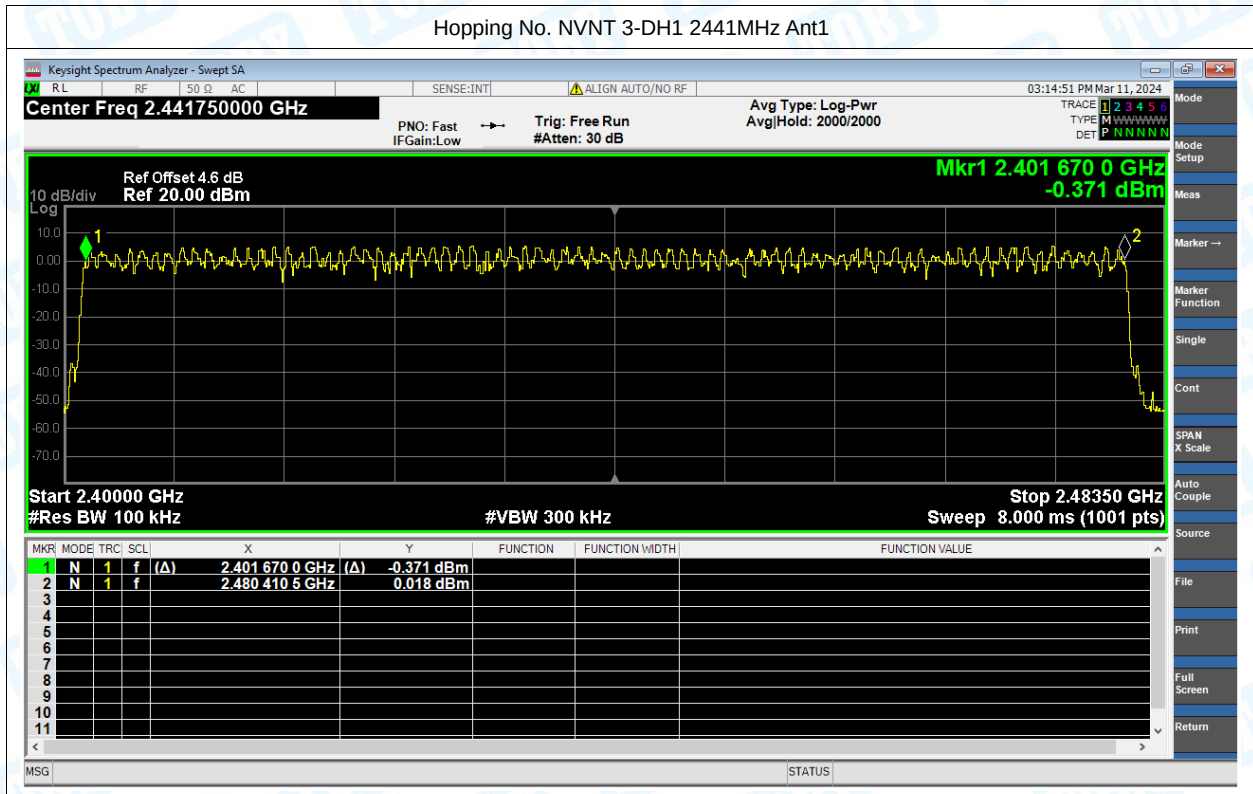
### Test Graphs

#### Hopping No. NVNT 1-DH1 2441MHz Ant1



#### Hopping No. NVNT 2-DH1 2441MHz Ant1



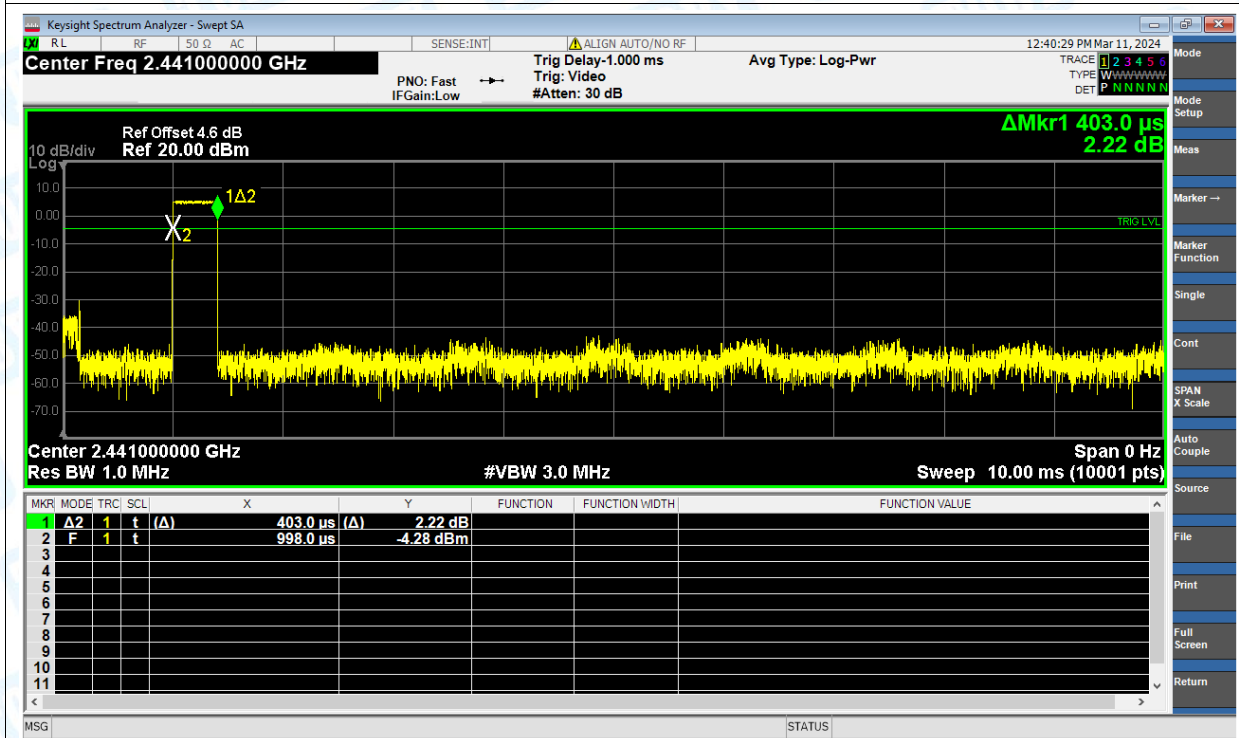


## 11.Dwell Time

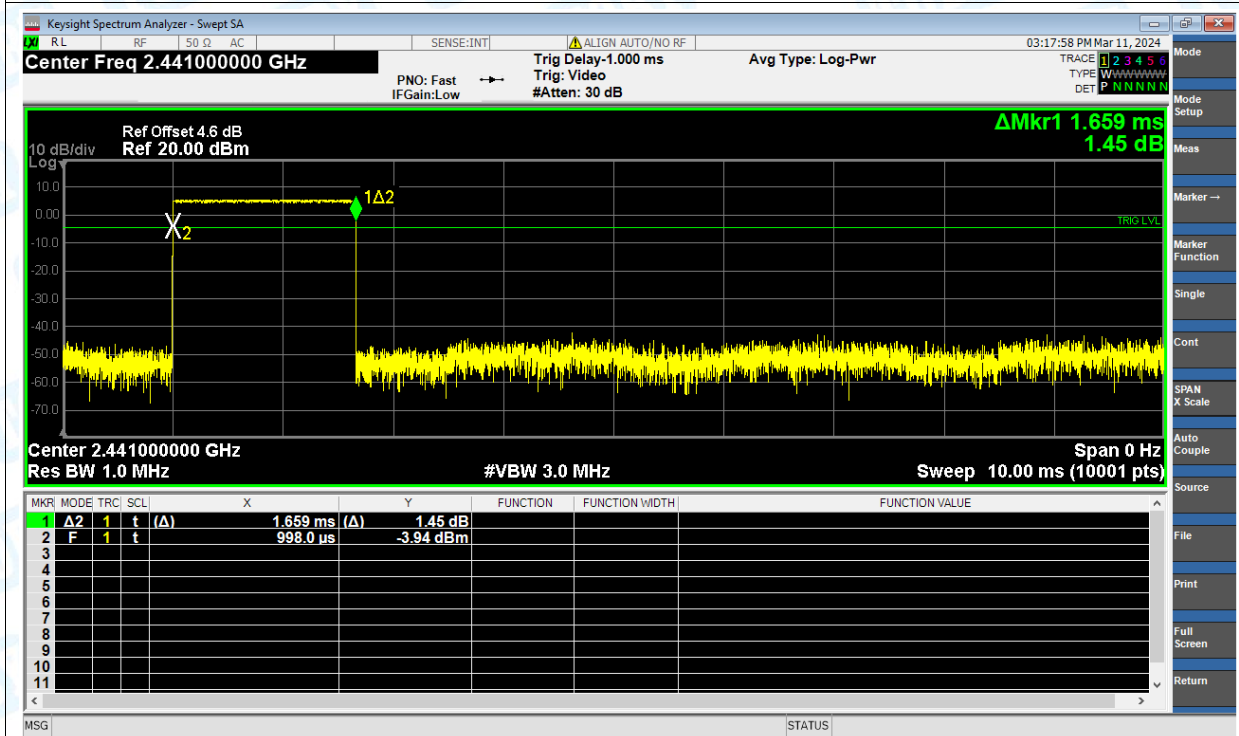
| Condition | Mode  | Frequency (MHz) | Antenna | Pulse Time (ms) | Total Dwell Time (ms) | Period Time (ms) | Limit (ms) | Verdict |
|-----------|-------|-----------------|---------|-----------------|-----------------------|------------------|------------|---------|
| NVNT      | 1-DH1 | 2441            | Ant1    | 0.403           | 128.96                | 31600            | 400        | Pass    |
| NVNT      | 1-DH3 | 2441            | Ant1    | 1.659           | 265.44                | 31600            | 400        | Pass    |
| NVNT      | 1-DH5 | 2441            | Ant1    | 2.907           | 310.08                | 31600            | 400        | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | 0.412           | 131.84                | 31600            | 400        | Pass    |
| NVNT      | 2-DH3 | 2441            | Ant1    | 1.664           | 266.24                | 31600            | 400        | Pass    |
| NVNT      | 2-DH5 | 2441            | Ant1    | 2.912           | 310.613               | 31600            | 400        | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | 0.409           | 130.88                | 31600            | 400        | Pass    |
| NVNT      | 3-DH3 | 2441            | Ant1    | 1.662           | 265.92                | 31600            | 400        | Pass    |
| NVNT      | 3-DH5 | 2441            | Ant1    | 2.911           | 310.507               | 31600            | 400        | Pass    |

## Test Graphs

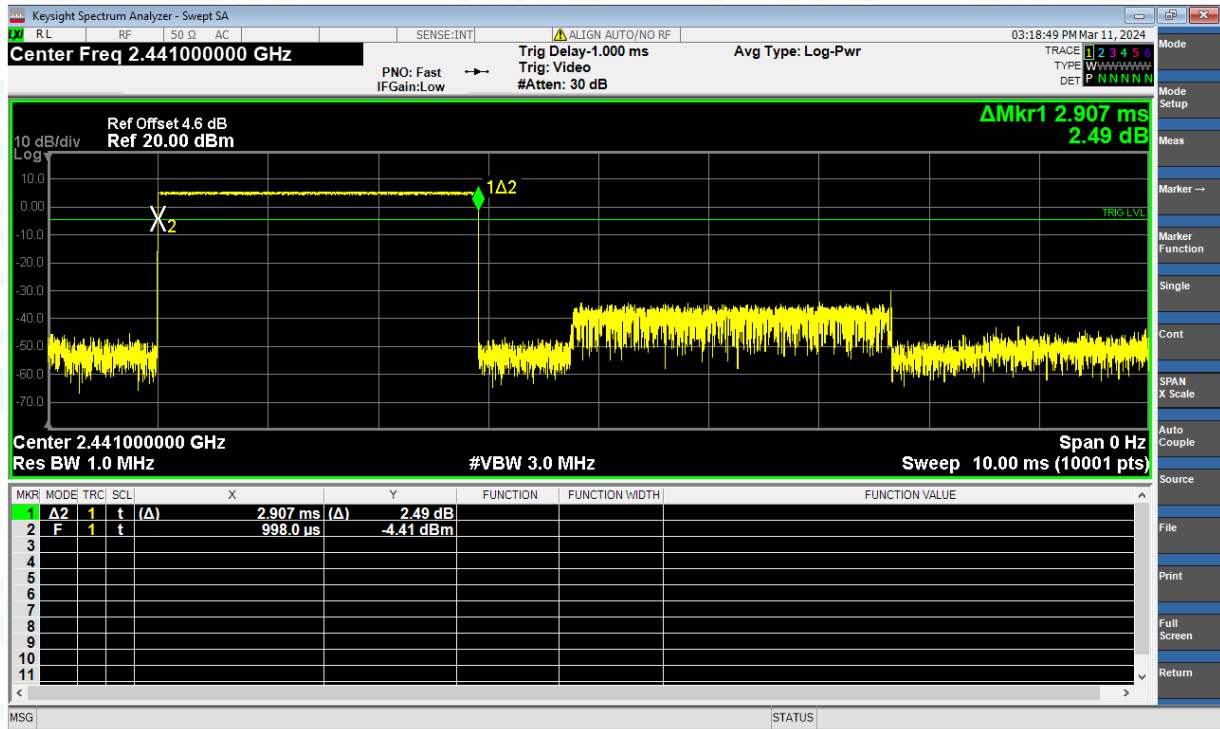
### Dwell NVNT 1-DH1 2441MHz Ant1



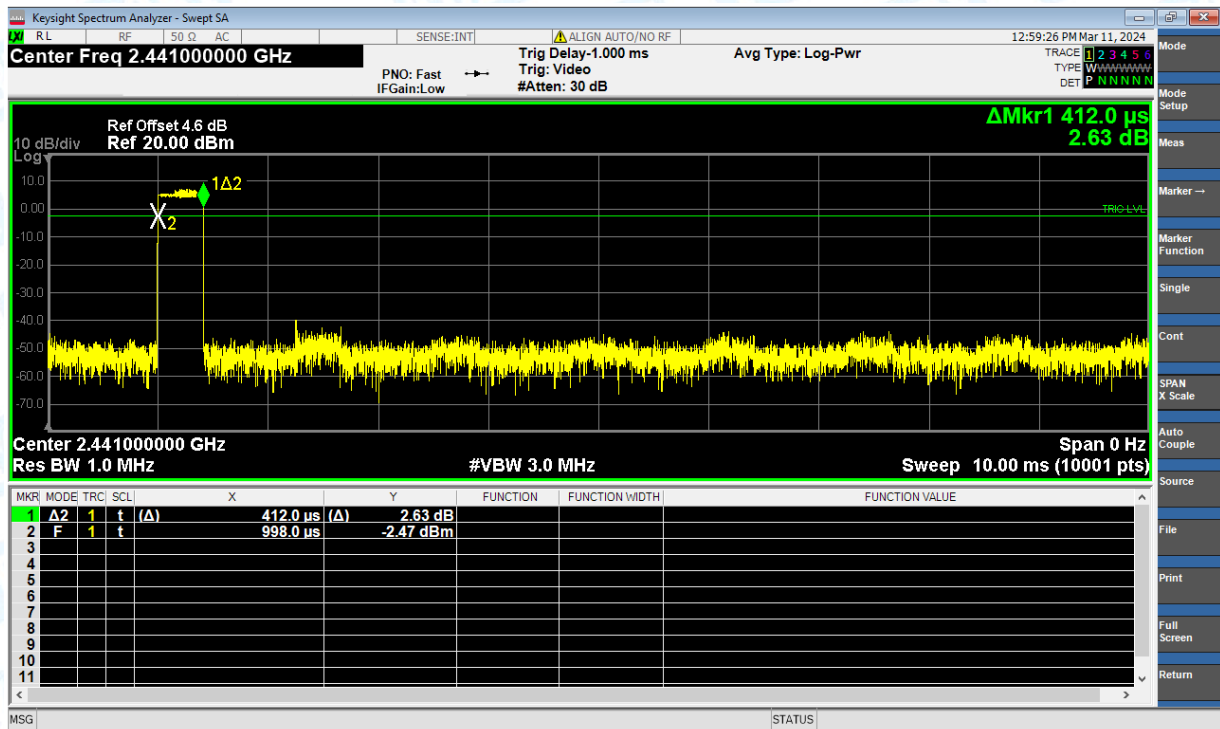
### Dwell NVNT 1-DH3 2441MHz Ant1



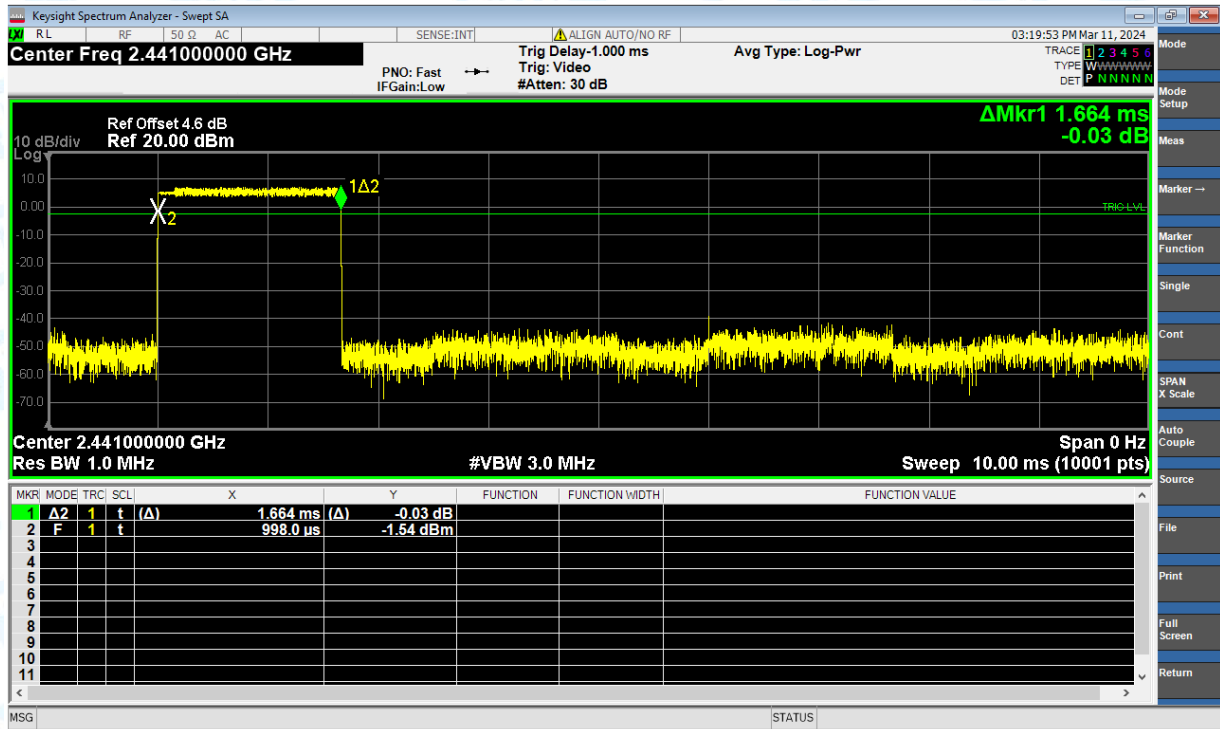
Dwell NVNT 1-DH5 2441MHz Ant1



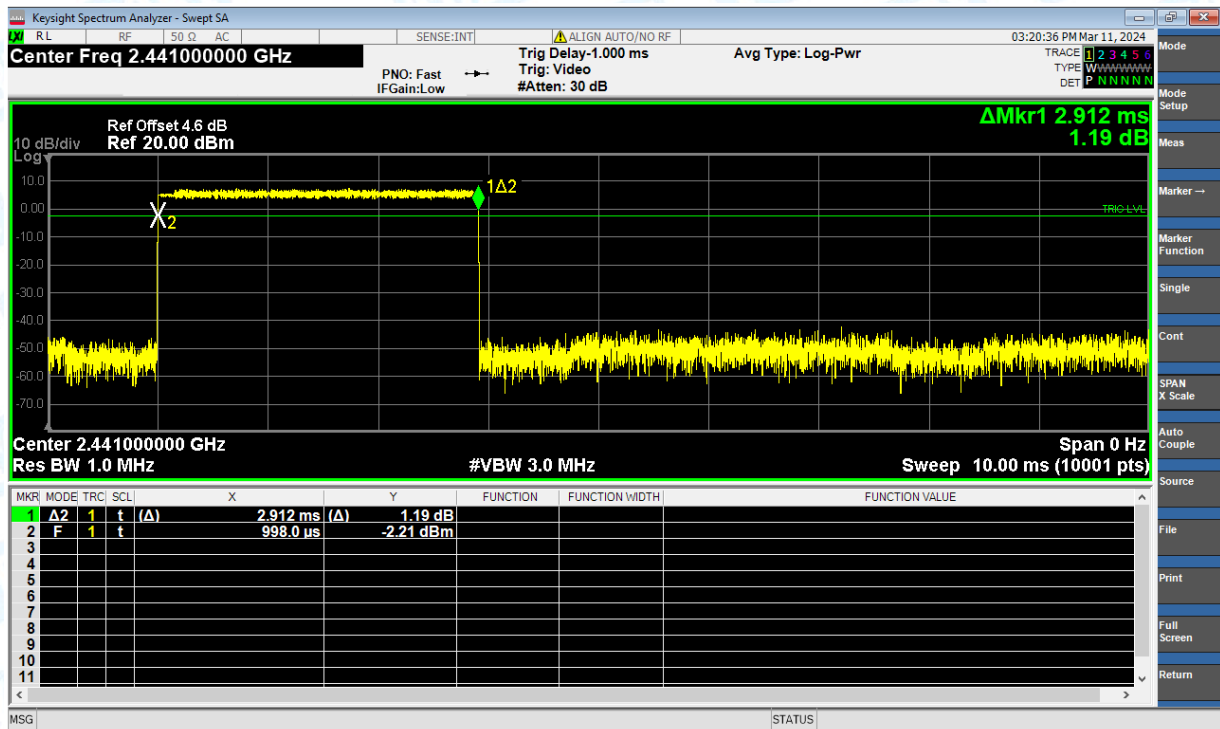
Dwell NVNT 2-DH1 2441MHz Ant1



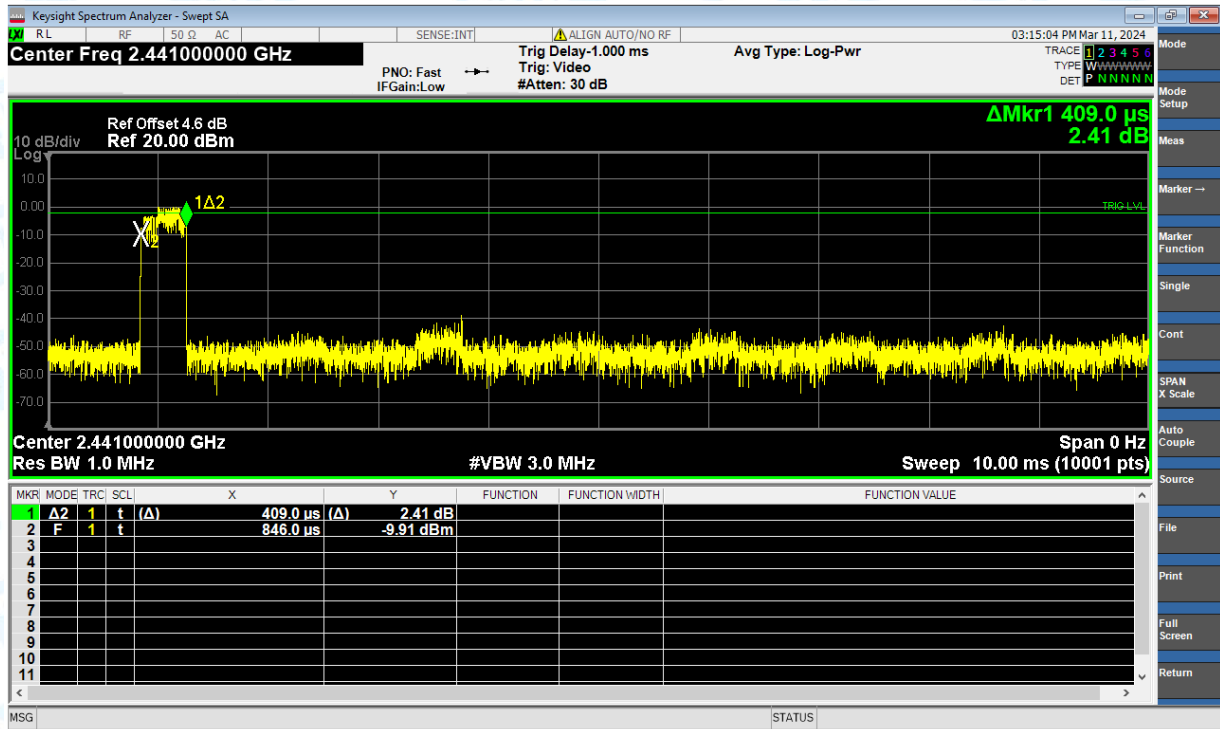
Dwell NVNT 2-DH3 2441MHz Ant1



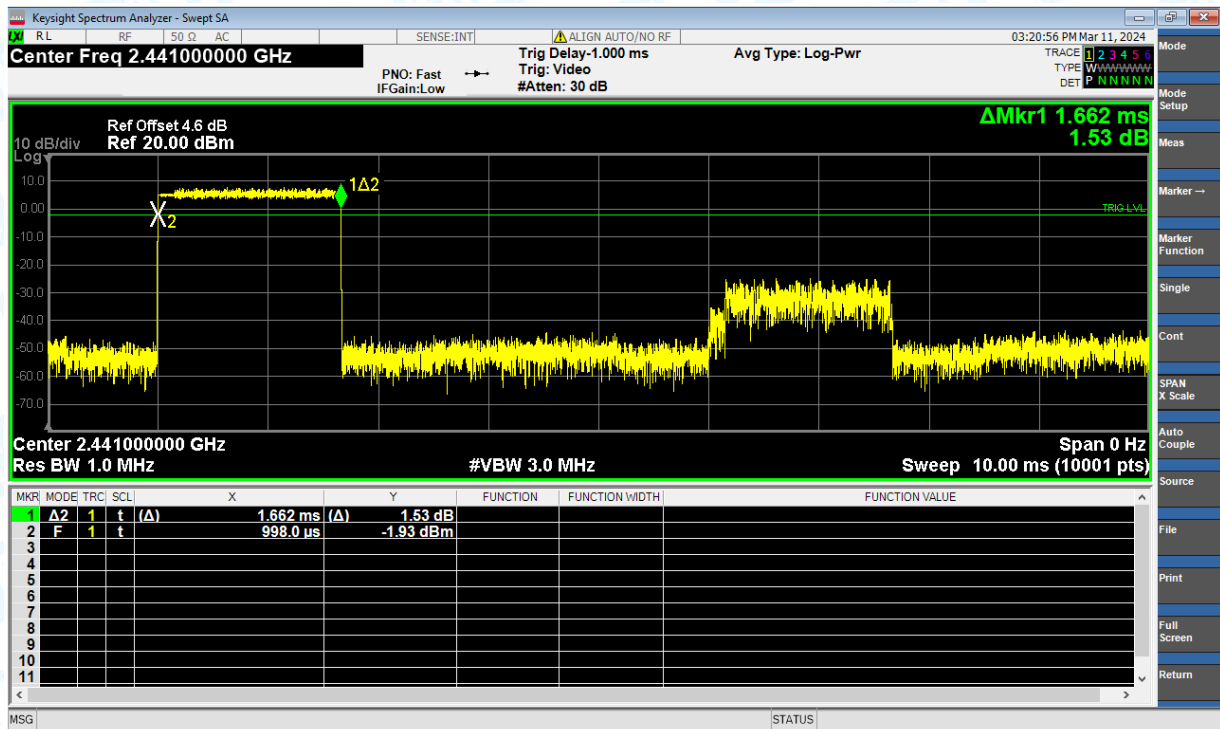
Dwell NVNT 2-DH5 2441MHz Ant1

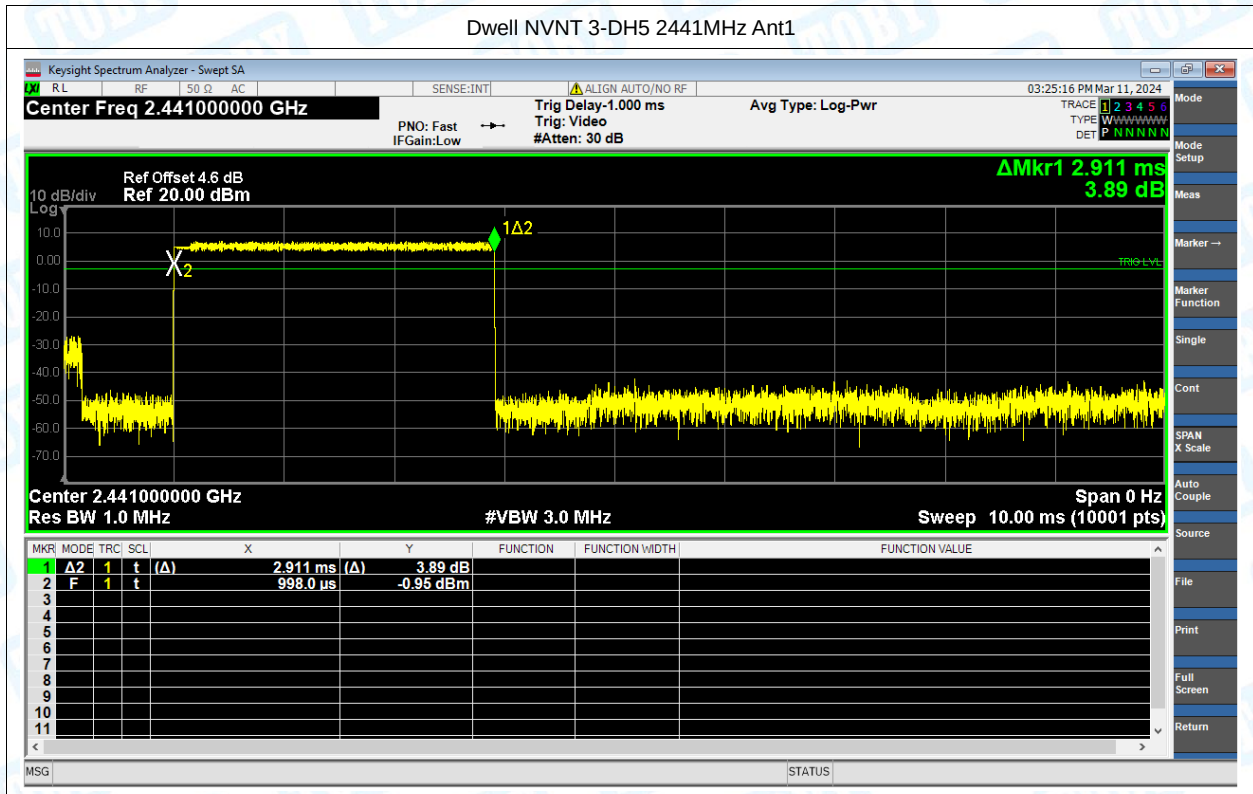


Dwell NVNT 3-DH1 2441MHz Ant1



Dwell NVNT 3-DH3 2441MHz Ant1





-----END OF REPORT-----