

# RF Test Data for Bluetooth (Conducted Measurements)

| General Description of EUT                                                                                                                  |                        |
|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Product Name:                                                                                                                               | RETRO STYLE SPEAKER    |
| Test Model:                                                                                                                                 | 4001973                |
| Sample ID:                                                                                                                                  | HC-C-202407-0205-02-01 |
| Environmental Conditions                                                                                                                    |                        |
| Temperature:                                                                                                                                | 25.6℃                  |
| Relative Humidity:                                                                                                                          | 52.6%                  |
| Test Voltage:                                                                                                                               | DC 7.4V                |
| Test Engineer:                                                                                                                              | Jolin Lee              |
| Note: For a more detailed features description, please refer to the report TBR-C-202407-0205-8<br>The report only show the worst case data. |                        |

## Contents

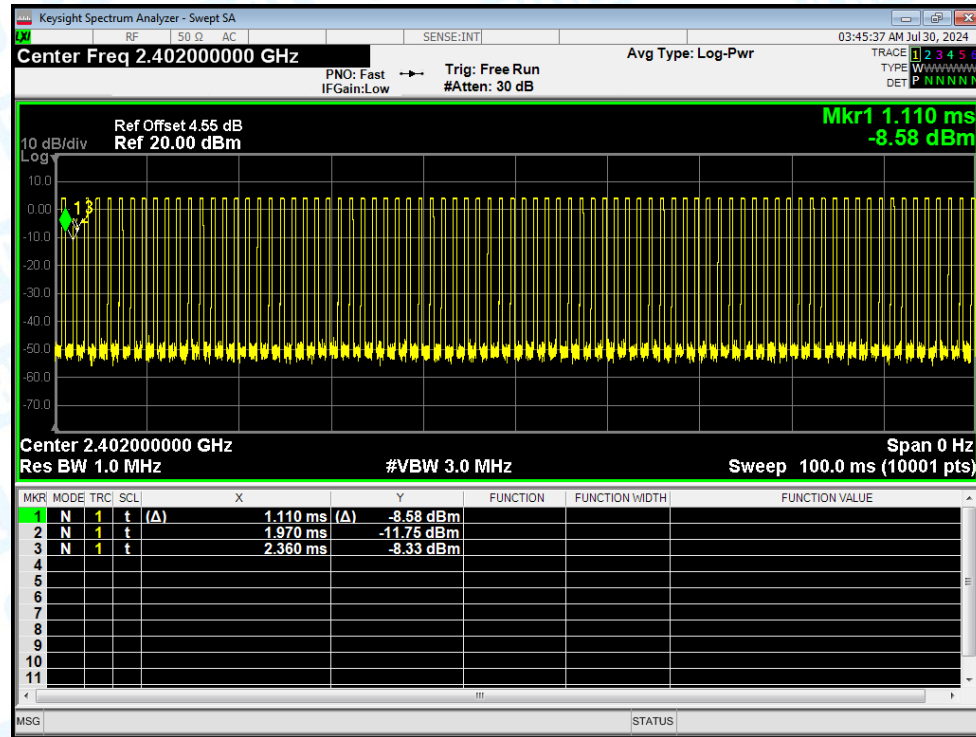
|                                         |    |
|-----------------------------------------|----|
| 1. Duty Cycle.....                      | 3  |
| 2. Maximum Conducted Output Power ..... | 9  |
| 3. -20dB Bandwidth .....                | 18 |
| 4. Occupied Channel Bandwidth .....     | 24 |
| 5. Band Edge .....                      | 30 |
| 6. Band Edge(Hopping).....              | 37 |
| 7. Conducted RF Spurious Emission ..... | 44 |
| 8. Restrict Band .....                  | 54 |
| 9. Carrier Frequencies Separation.....  | 61 |
| 10. Number of Hopping Channel .....     | 64 |
| 11. Dwell Time.....                     | 67 |

## 1. Duty Cycle

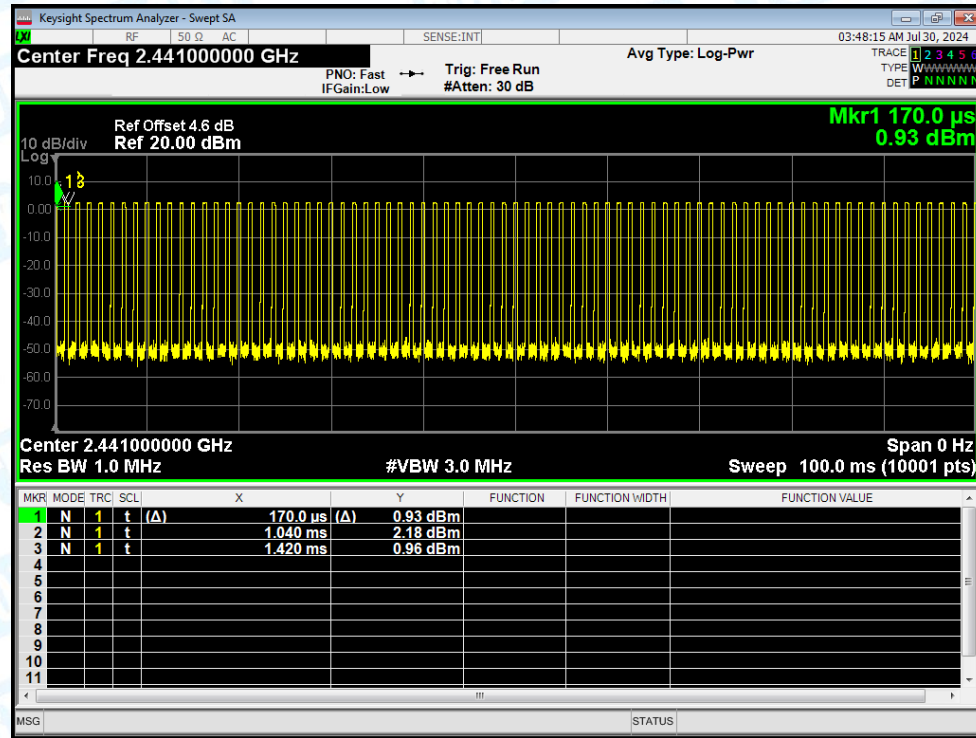
| Condition | Mode  | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|-------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 31.2           | 5.06                   | 2.56      |
| NVNT      | 1-DH1 | 2441            | Ant1    | 30.4           | 5.17                   | 2.63      |
| NVNT      | 1-DH1 | 2480            | Ant1    | 30.4           | 5.17                   | 2.63      |
| NVNT      | 2-DH1 | 2402            | Ant1    | 31.2           | 5.06                   | 2.56      |
| NVNT      | 2-DH1 | 2441            | Ant1    | 30.4           | 5.17                   | 2.63      |
| NVNT      | 2-DH1 | 2480            | Ant1    | 31.2           | 5.06                   | 2.56      |
| NVNT      | 3-DH1 | 2402            | Ant1    | 31.2           | 5.06                   | 2.56      |
| NVNT      | 3-DH1 | 2441            | Ant1    | 31.2           | 5.06                   | 2.56      |
| NVNT      | 3-DH1 | 2480            | Ant1    | 31.2           | 5.06                   | 2.56      |

### Test Graphs

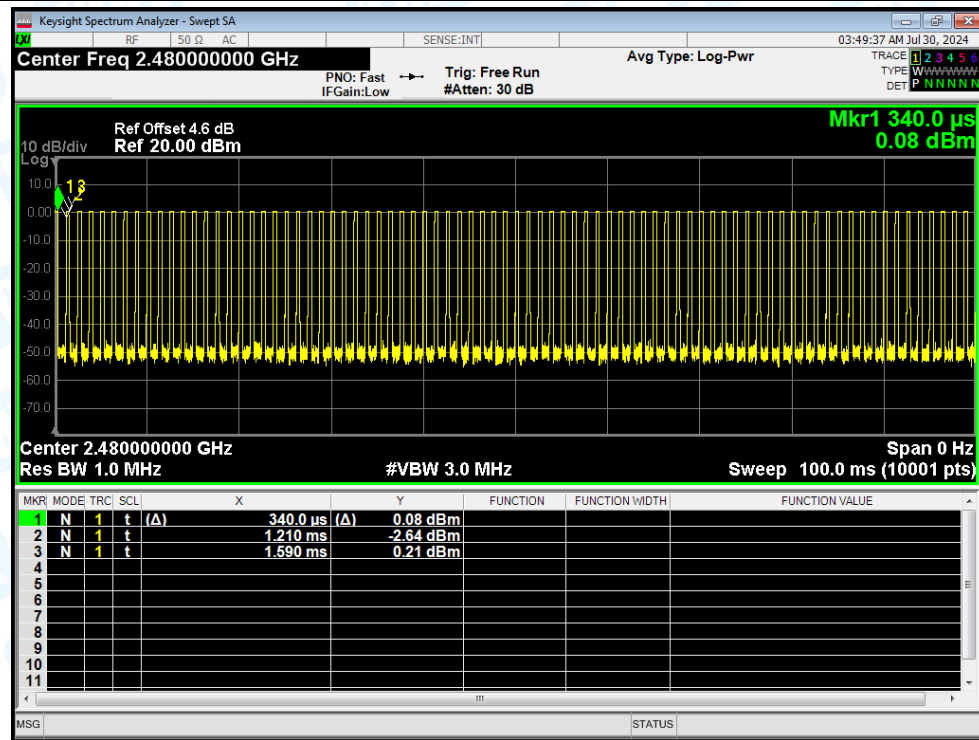
#### Duty Cycle NVNT 1-DH1 2402MHz Ant1



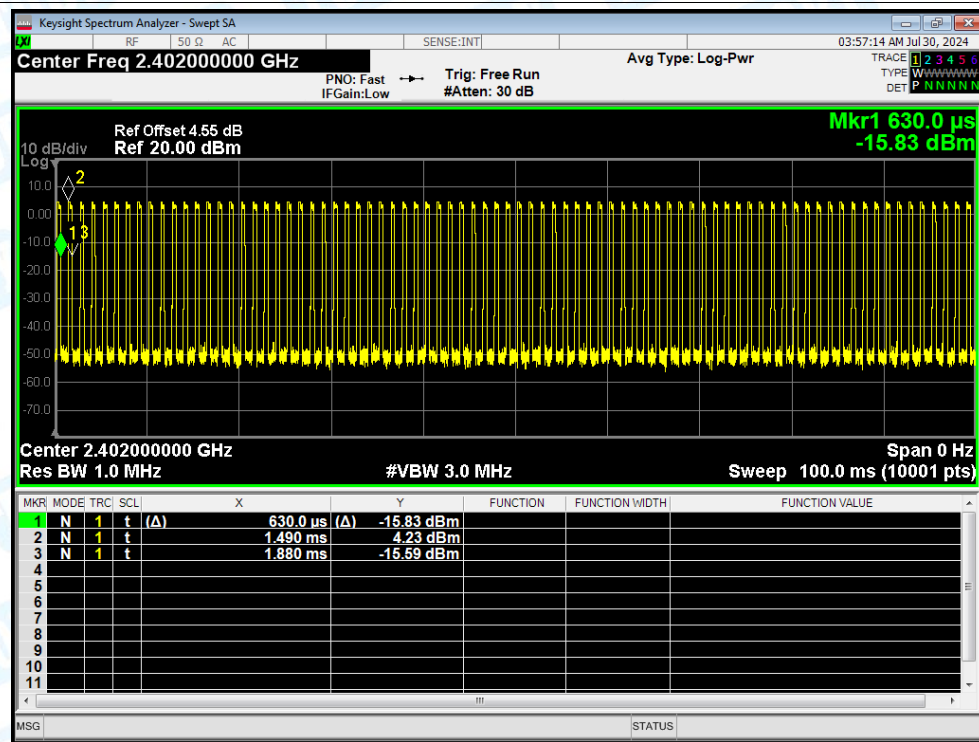
#### Duty Cycle NVNT 1-DH1 2441MHz Ant1



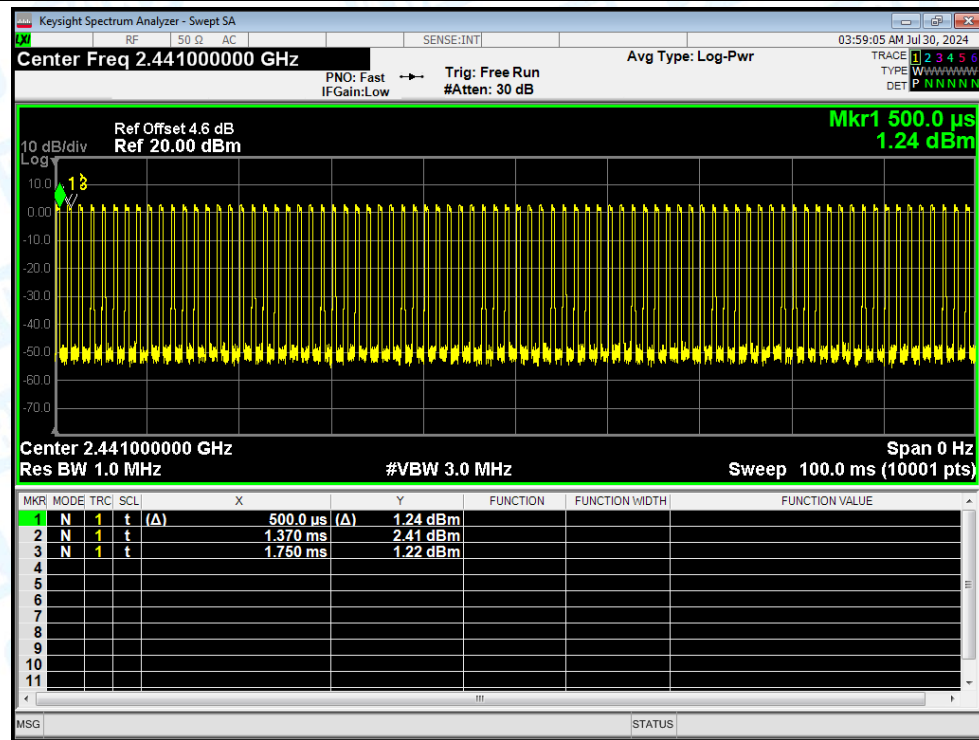
### Duty Cycle NVNT 1-DH1 2480MHz Ant1



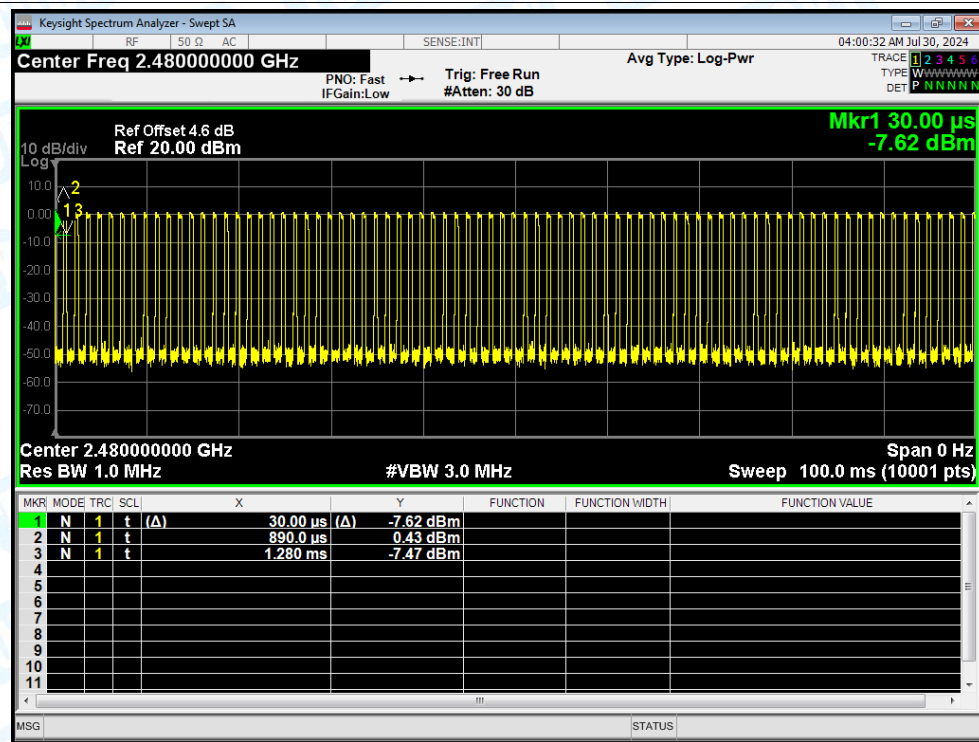
### Duty Cycle NVNT 2-DH1 2402MHz Ant1



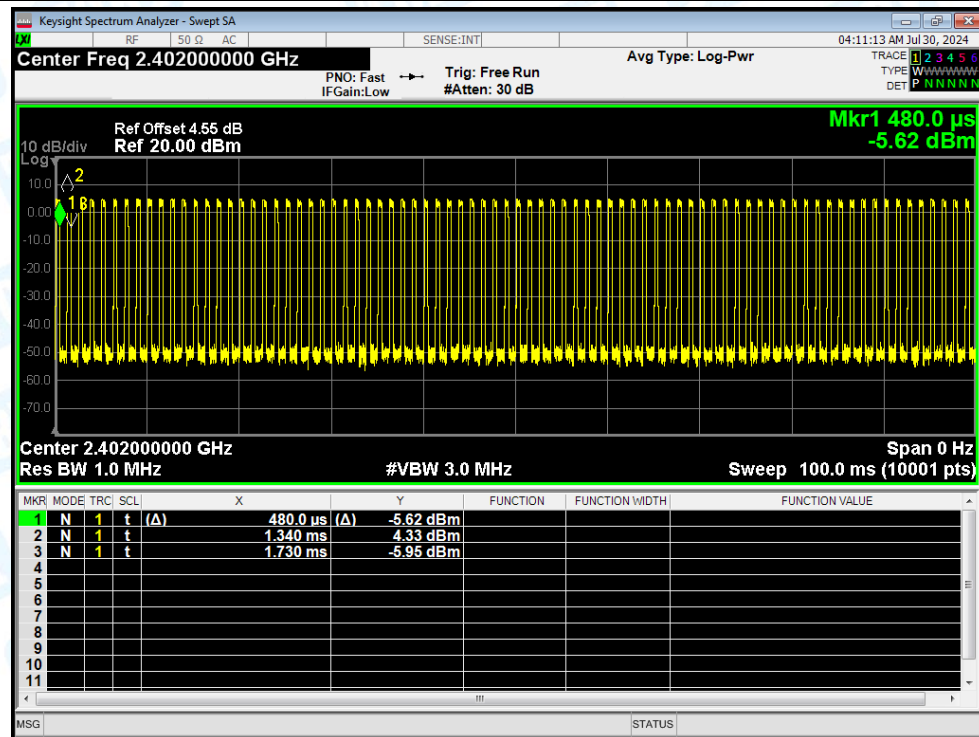
### Duty Cycle NVNT 2-DH1 2441MHz Ant1



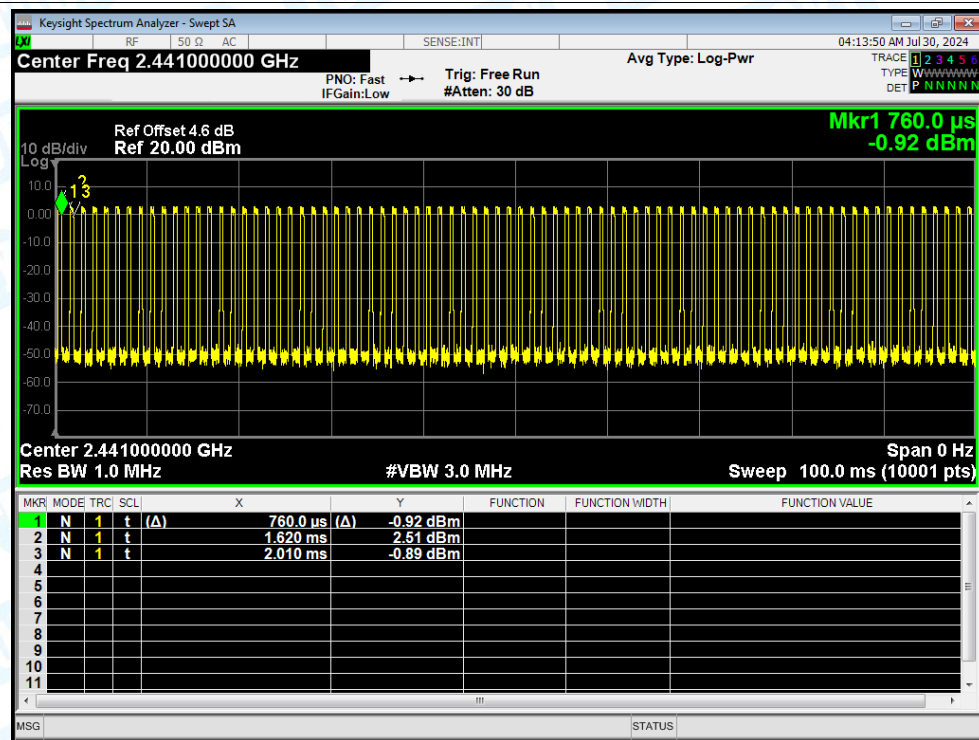
### Duty Cycle NVNT 2-DH1 2480MHz Ant1

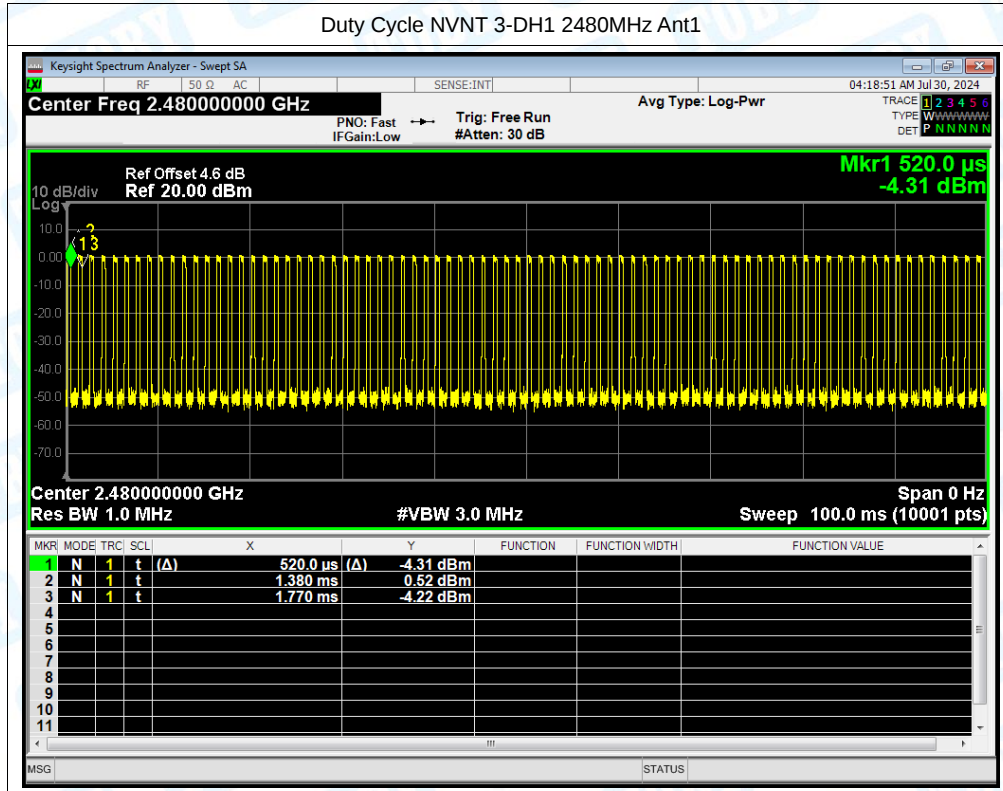


### Duty Cycle NVNT 3-DH1 2402MHz Ant1



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



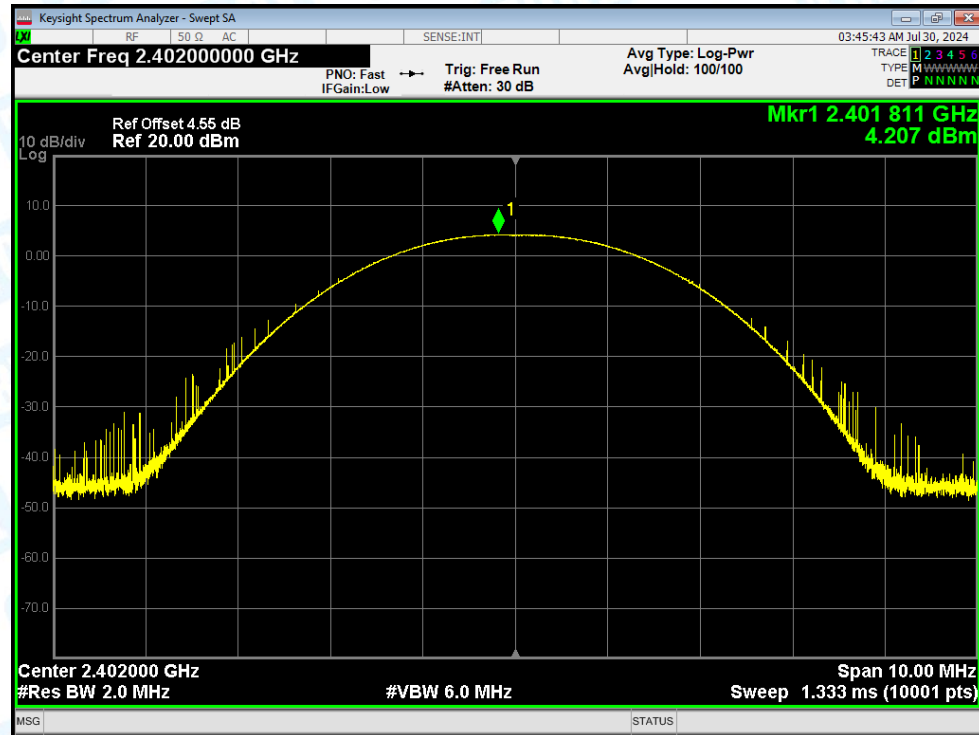


## 2. Maximum Conducted Output Power

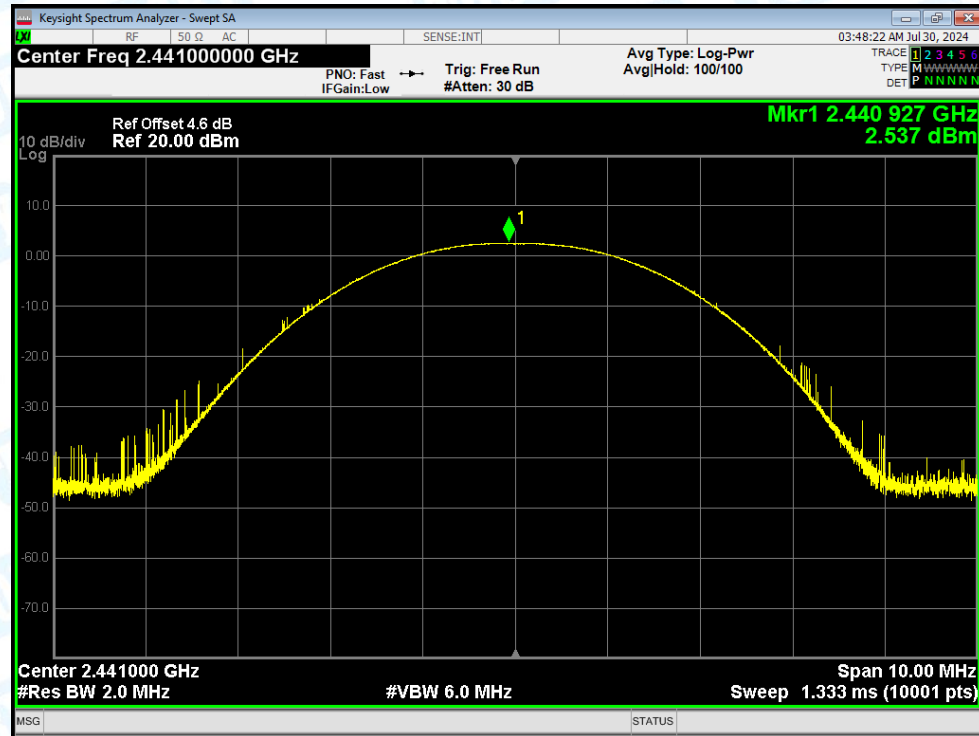
| Condition | Mode  | Frequency (MHz) | Antenna | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|-------|-----------------|---------|-------------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 4.207             | 21          | Pass    |
| NVNT      | 1-DH1 | 2441            | Ant1    | 2.537             | 21          | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | 0.575             | 21          | Pass    |
| NVNT      | 1-DH3 | 2441            | Ant1    | 2.853             | 21          | Pass    |
| NVNT      | 1-DH5 | 2441            | Ant1    | 2.819             | 21          | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | 4.631             | 21          | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | 2.821             | 21          | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | 0.798             | 21          | Pass    |
| NVNT      | 2-DH3 | 2441            | Ant1    | 2.781             | 21          | Pass    |
| NVNT      | 2-DH5 | 2441            | Ant1    | 2.772             | 21          | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | 5.129             | 21          | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | 3.263             | 21          | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | 1.114             | 21          | Pass    |
| NVNT      | 3-DH3 | 2441            | Ant1    | 3.149             | 21          | Pass    |
| NVNT      | 3-DH5 | 2441            | Ant1    | 3.191             | 21          | Pass    |

### Test Graphs

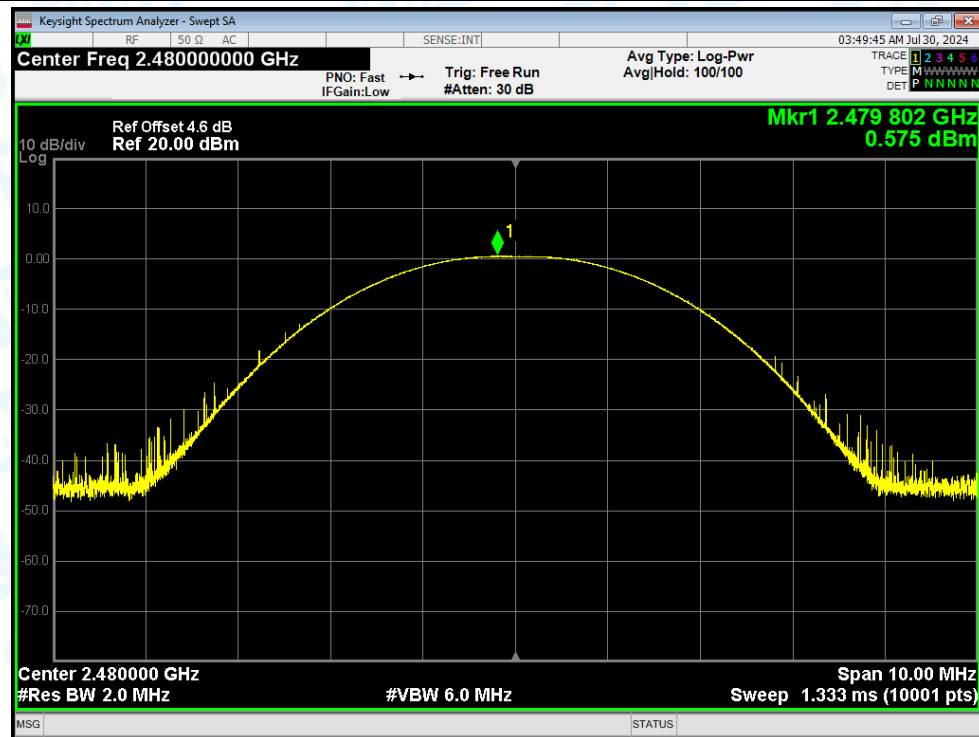
Power NVNT 1-DH1 2402MHz Ant1



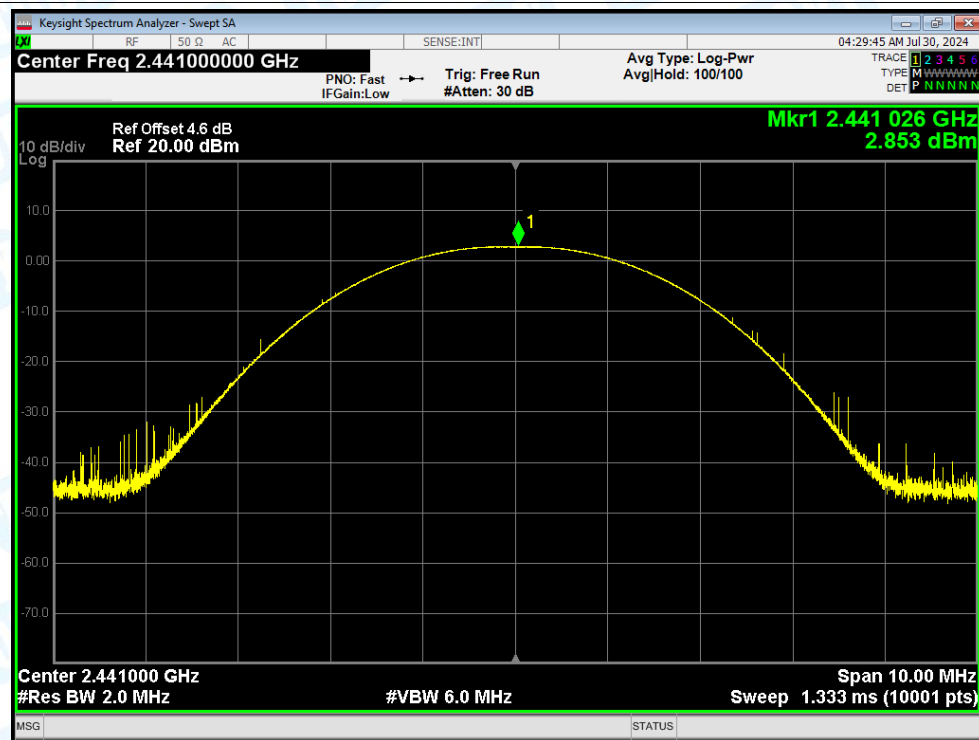
Power NVNT 1-DH1 2441MHz Ant1



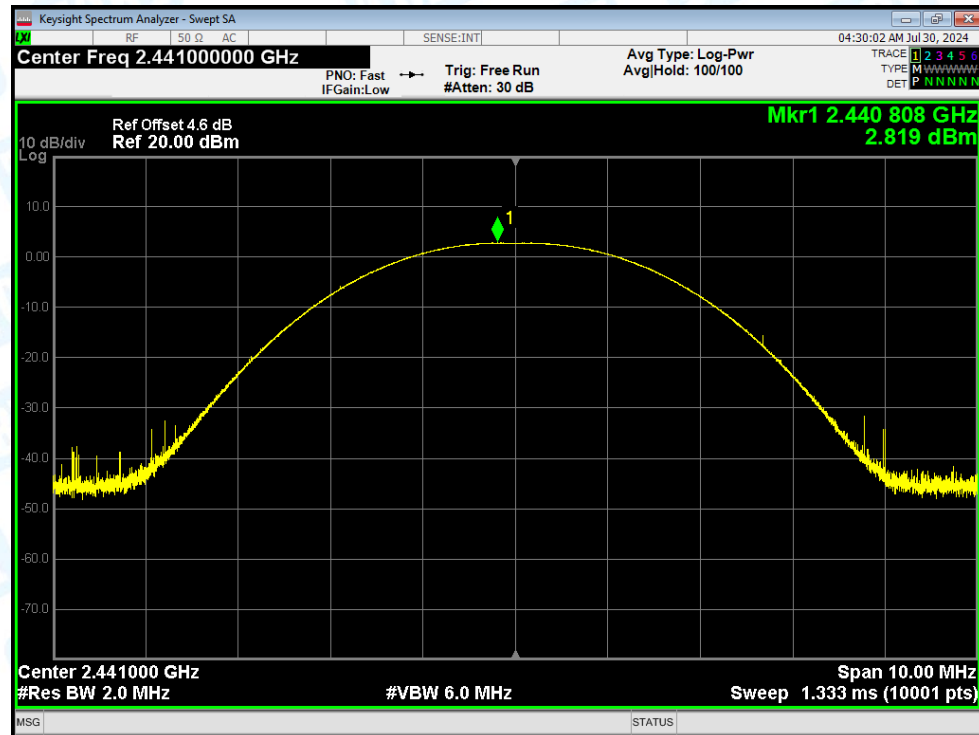
Power NVNT 1-DH1 2480MHz Ant1



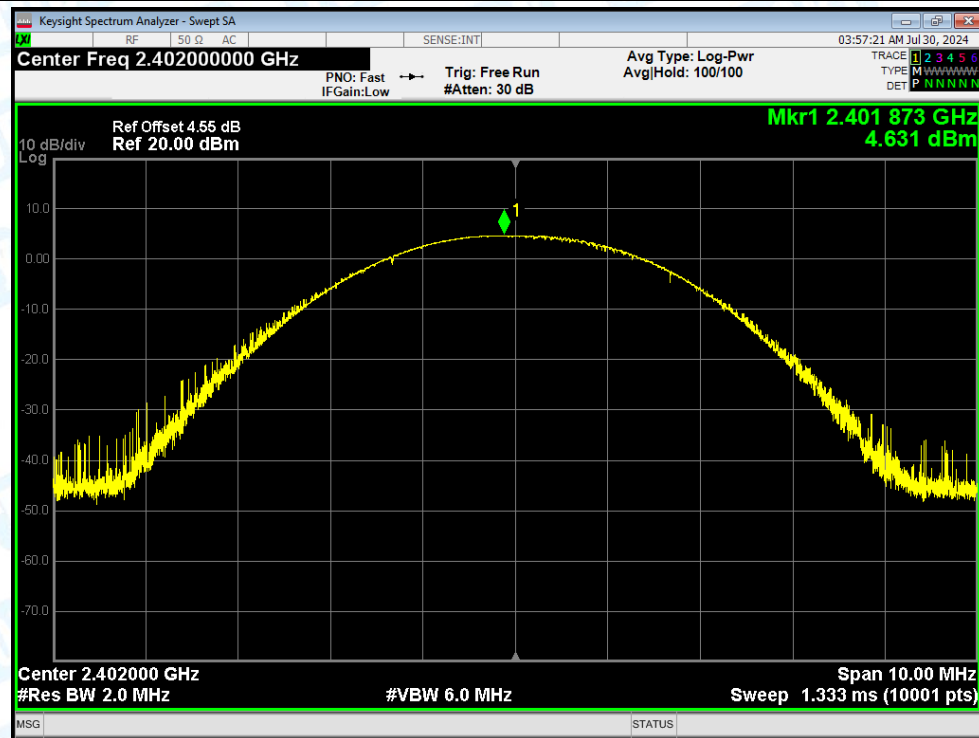
Power NVNT 1-DH3 2441MHz Ant1



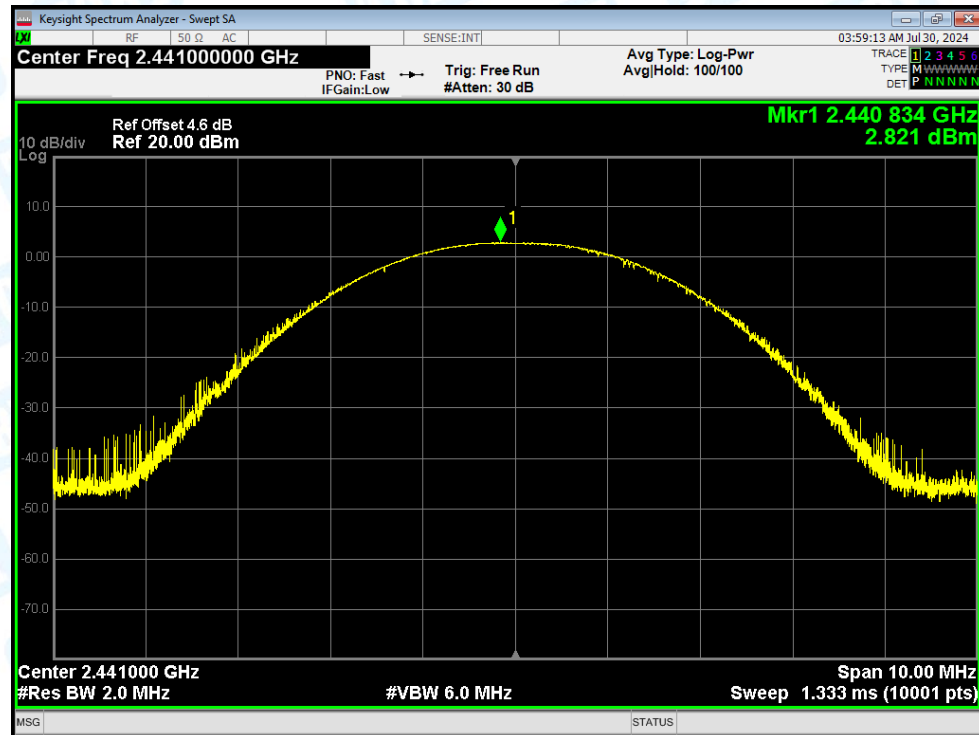
Power NVNT 1-DH5 2441MHz Ant1



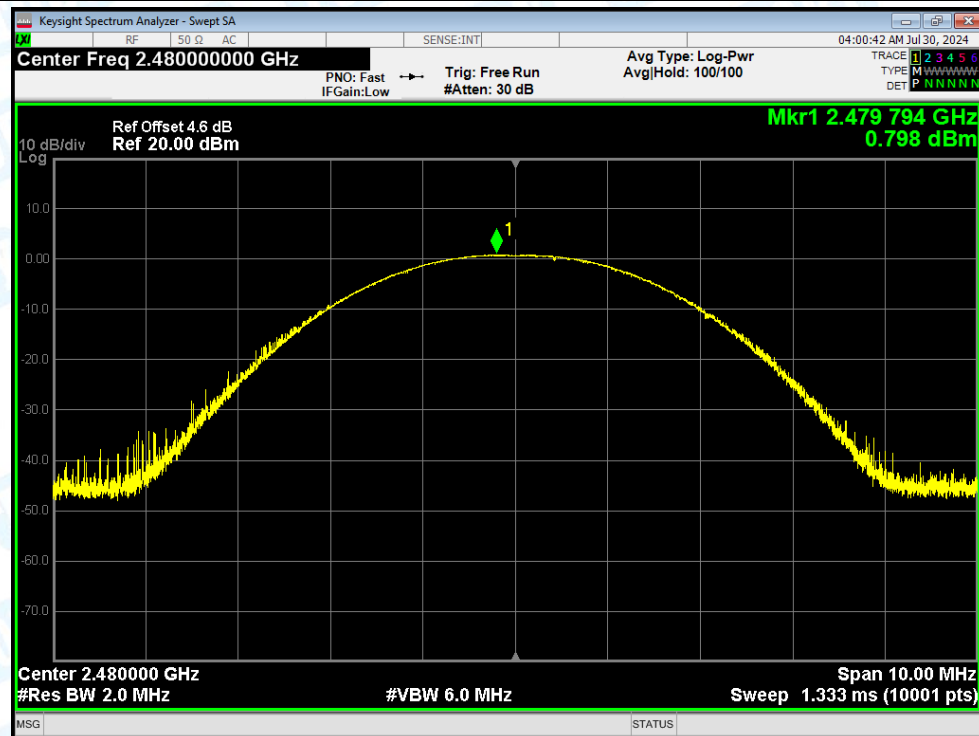
Power NVNT 2-DH1 2402MHz Ant1



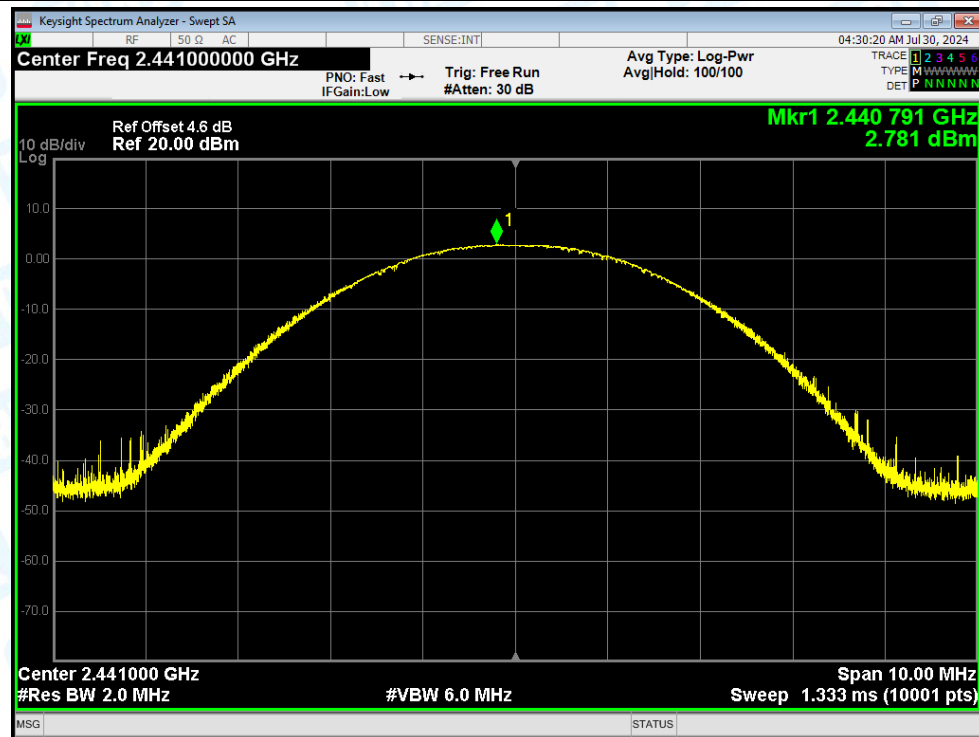
Power NVNT 2-DH1 2441MHz Ant1



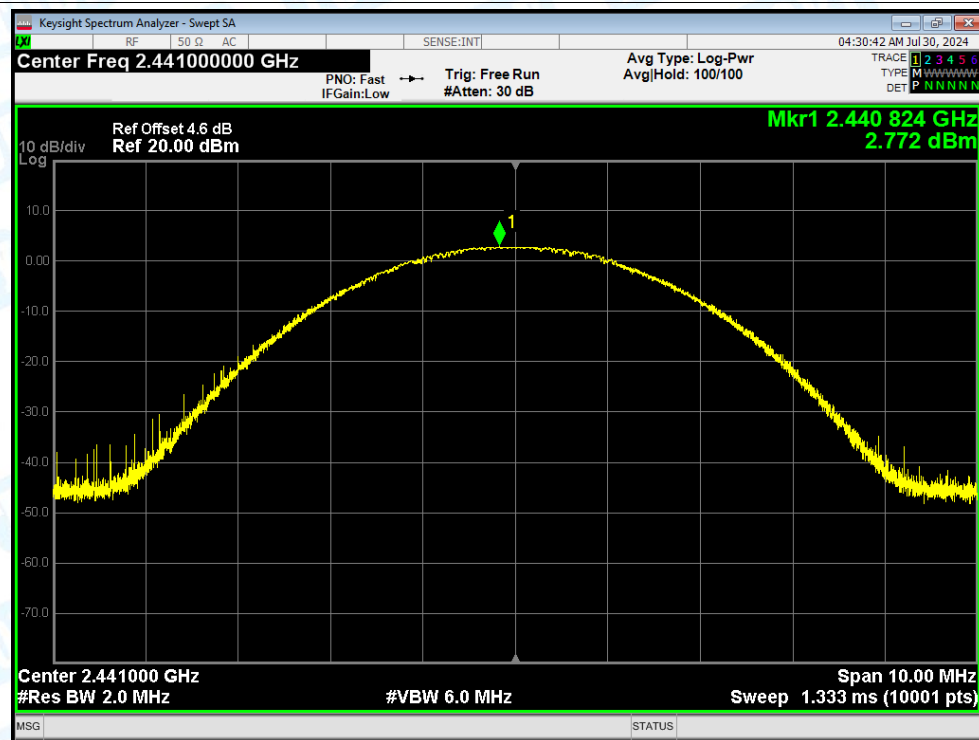
Power NVNT 2-DH1 2480MHz Ant1



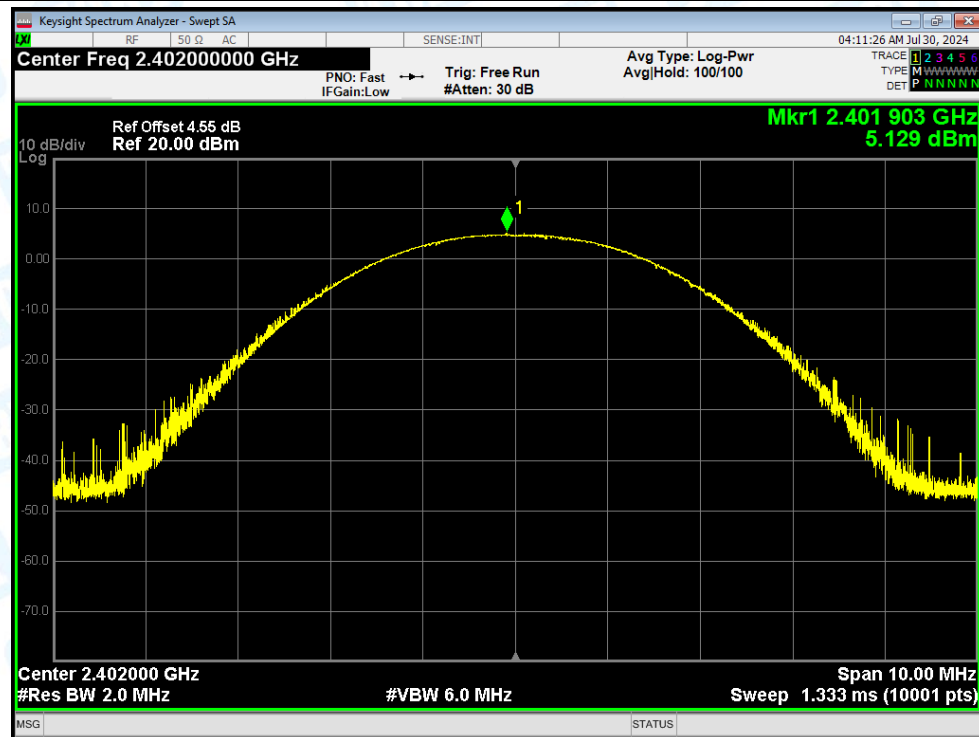
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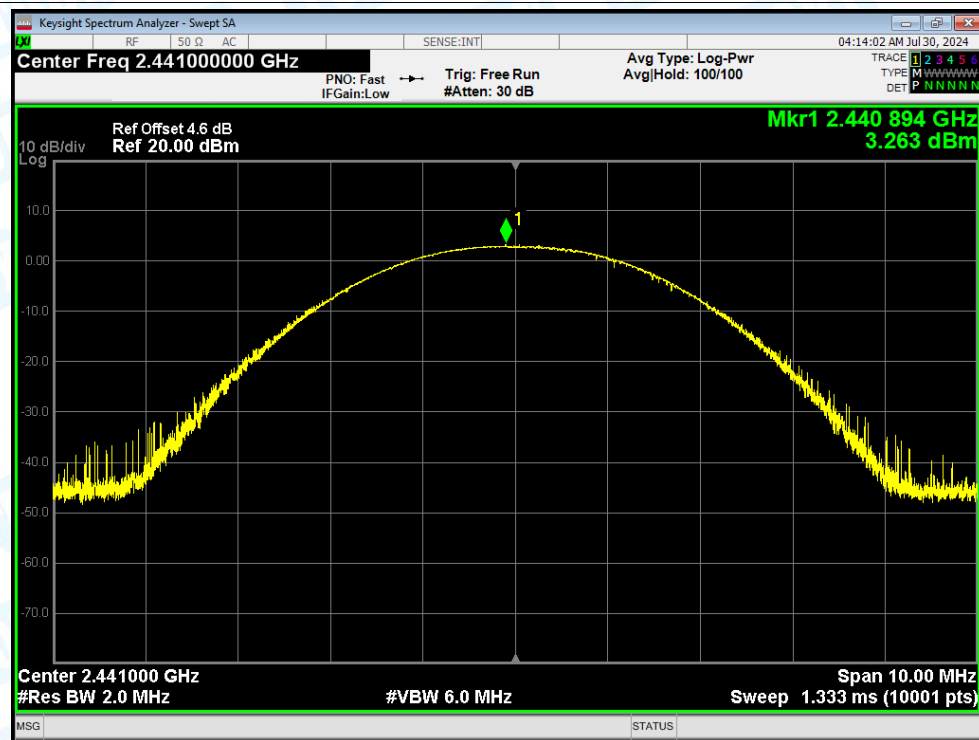
Power NVNT 2-DH5 2441MHz Ant1



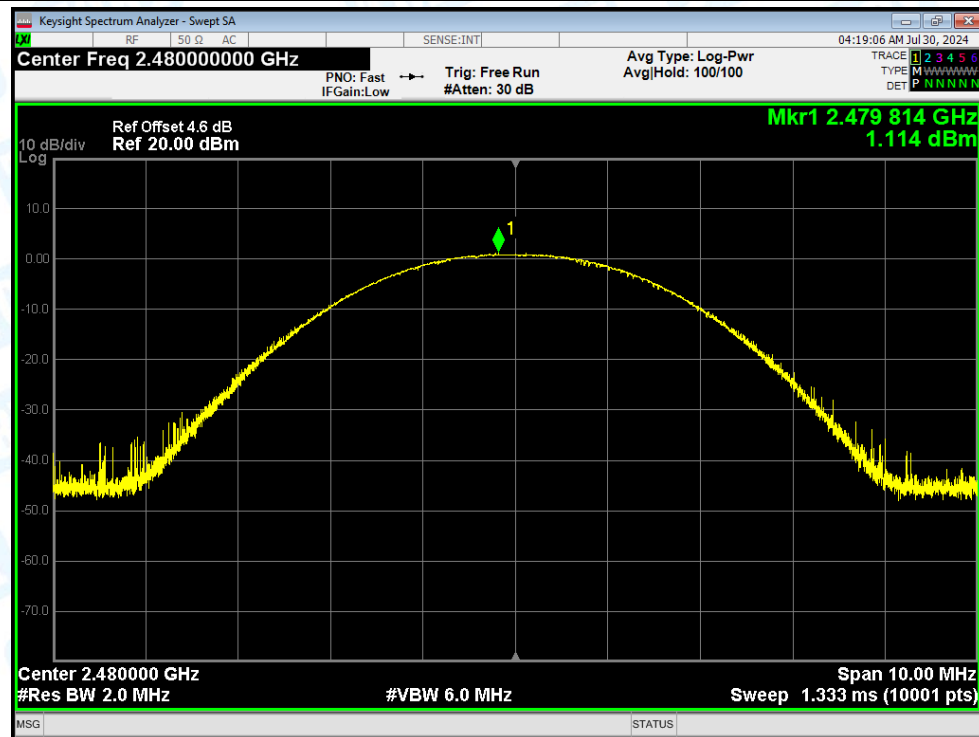
Power NVNT 3-DH1 2402MHz Ant1



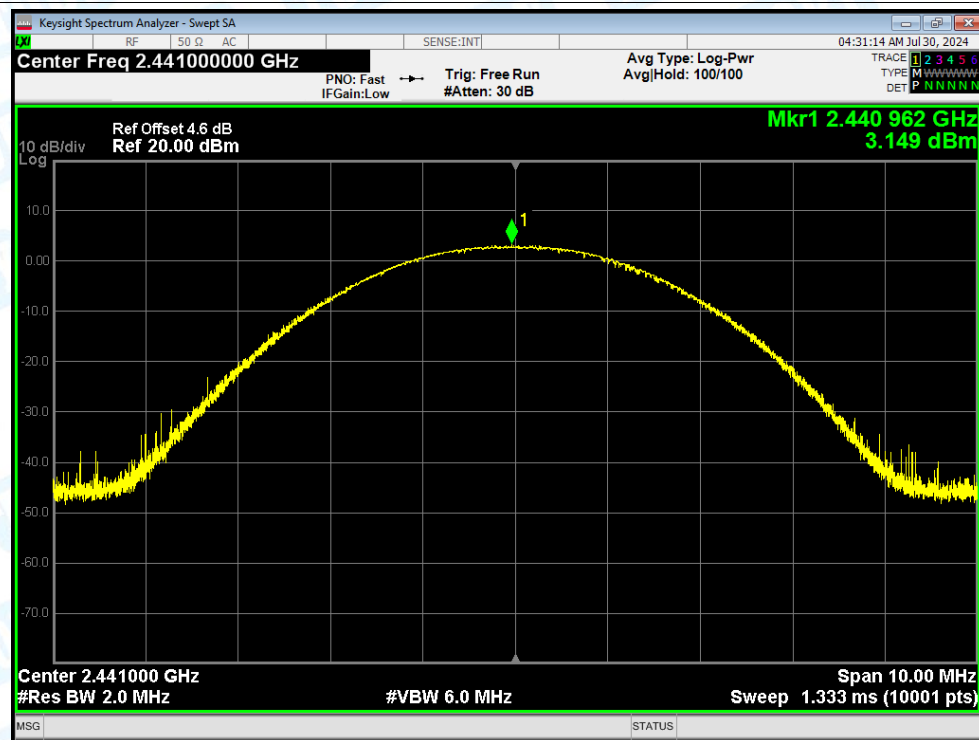
Power NVNT 3-DH1 2441MHz Ant1

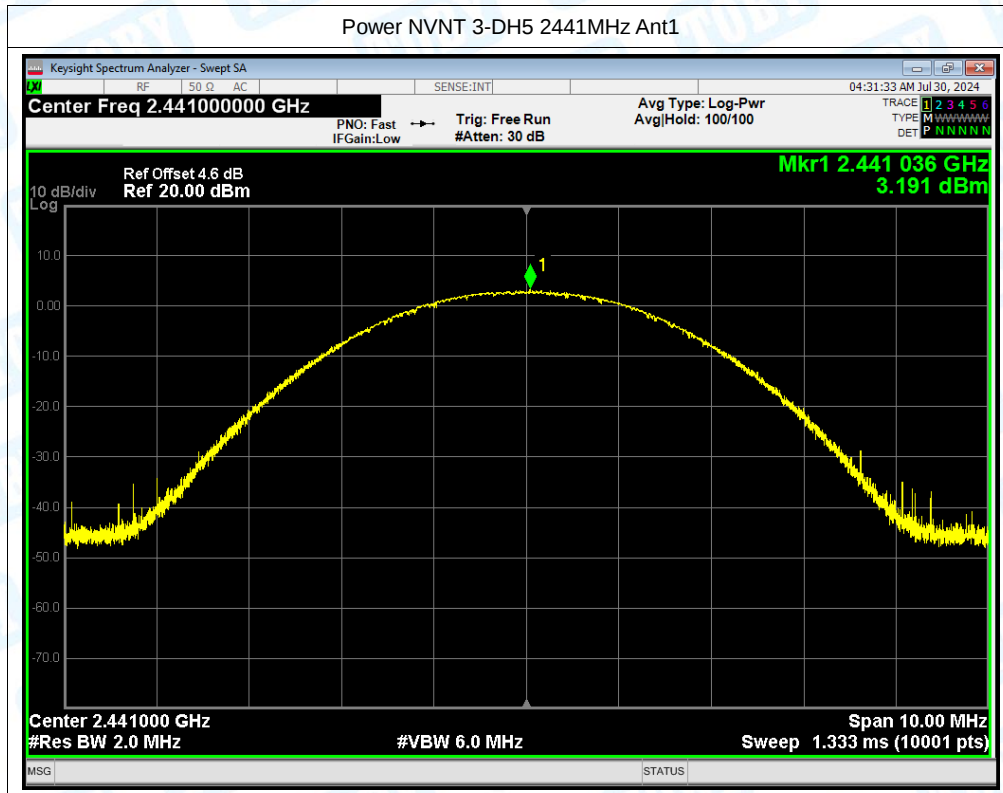


Power NVNT 3-DH1 2480MHz Ant1



Power NVNT 3-DH3 2441MHz Ant1



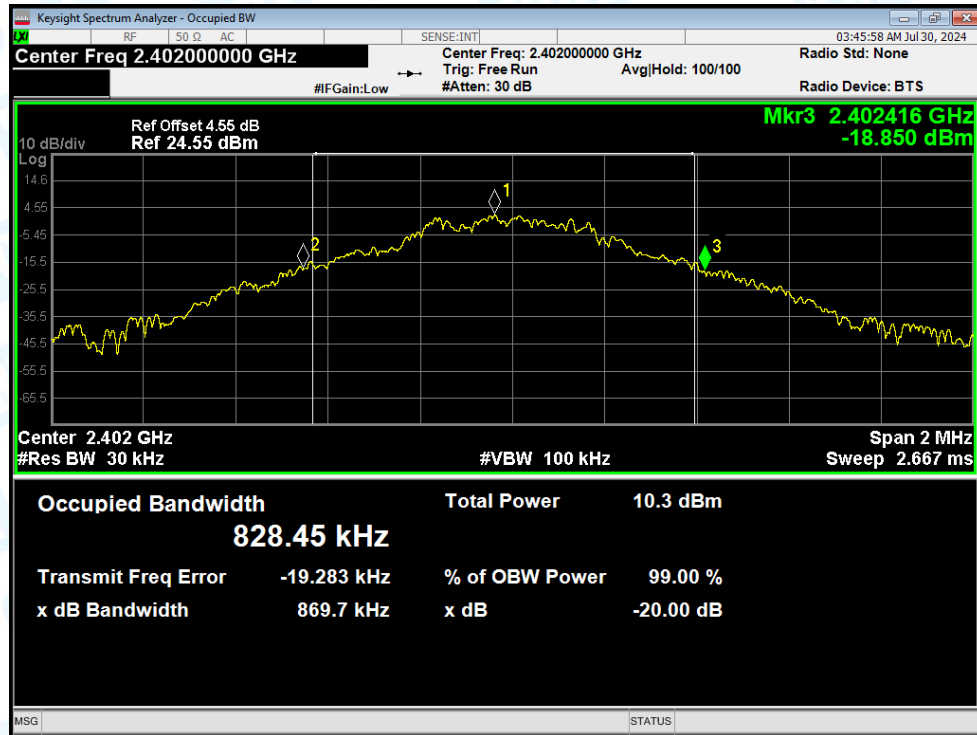


### 3. -20dB Bandwidth

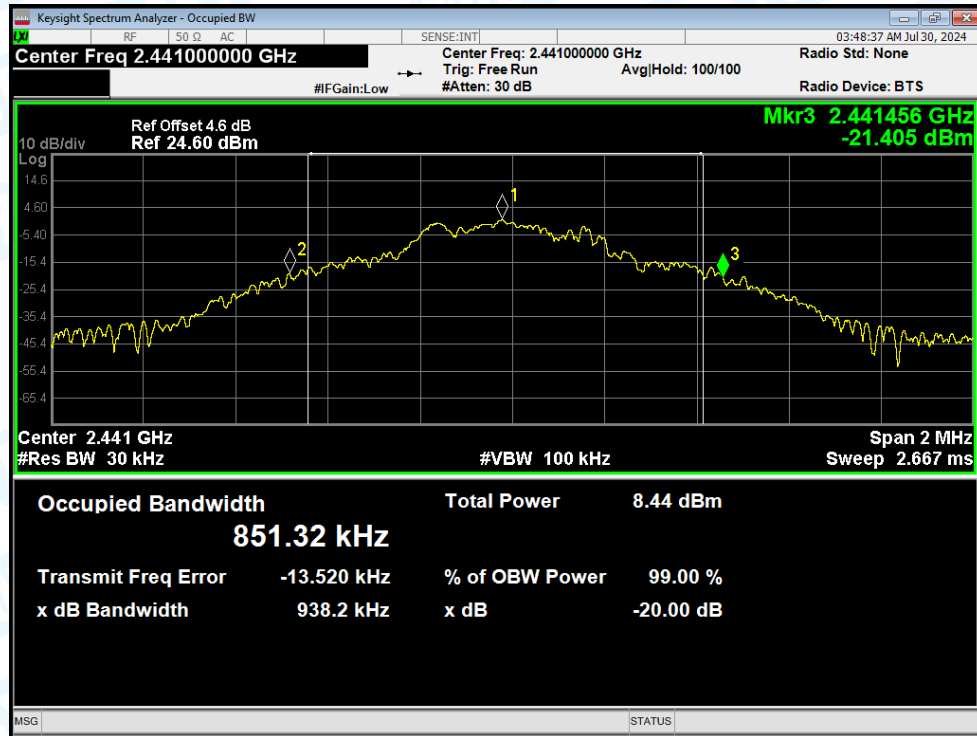
| Condition | Mode  | Frequency (MHz) | Antenna | -20 dB Bandwidth (MHz) | Limit -20 dB Bandwidth (MHz) | Verdict |
|-----------|-------|-----------------|---------|------------------------|------------------------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 0.87                   | 0                            | Pass    |
| NVNT      | 1-DH1 | 2441            | Ant1    | 0.94                   | 0                            | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | 0.92                   | 0                            | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | 1.21                   | 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    | 1.26                   | 0                            | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | 1.25                   | 0                            | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | 1.27                   | 0                            | Pass    |

## Test Graphs

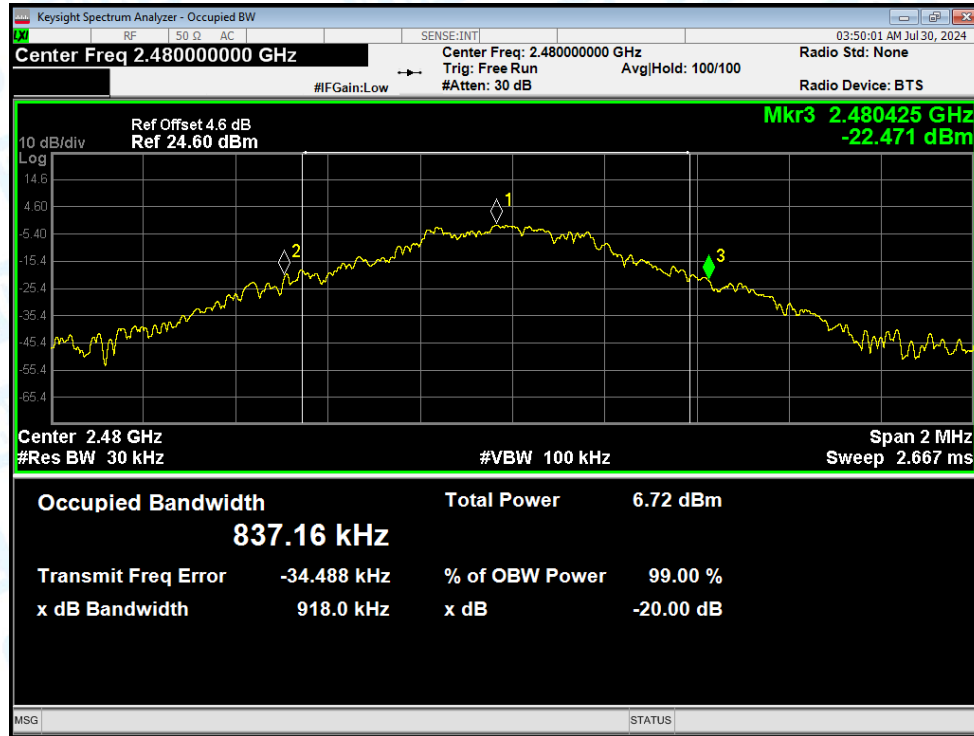
### -20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



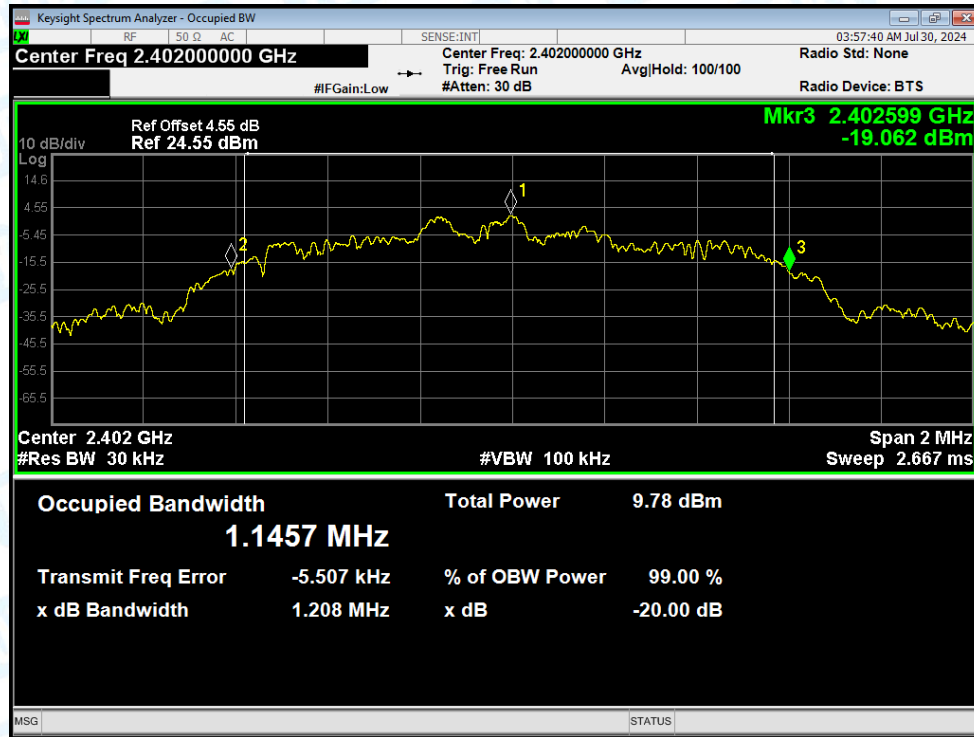
### -20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



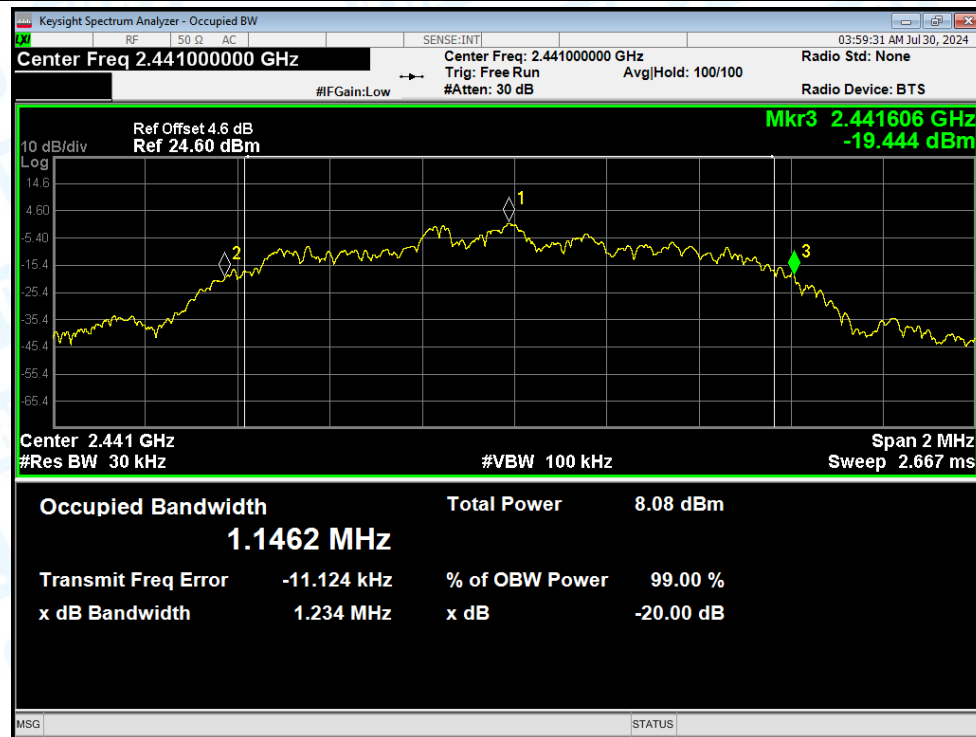
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



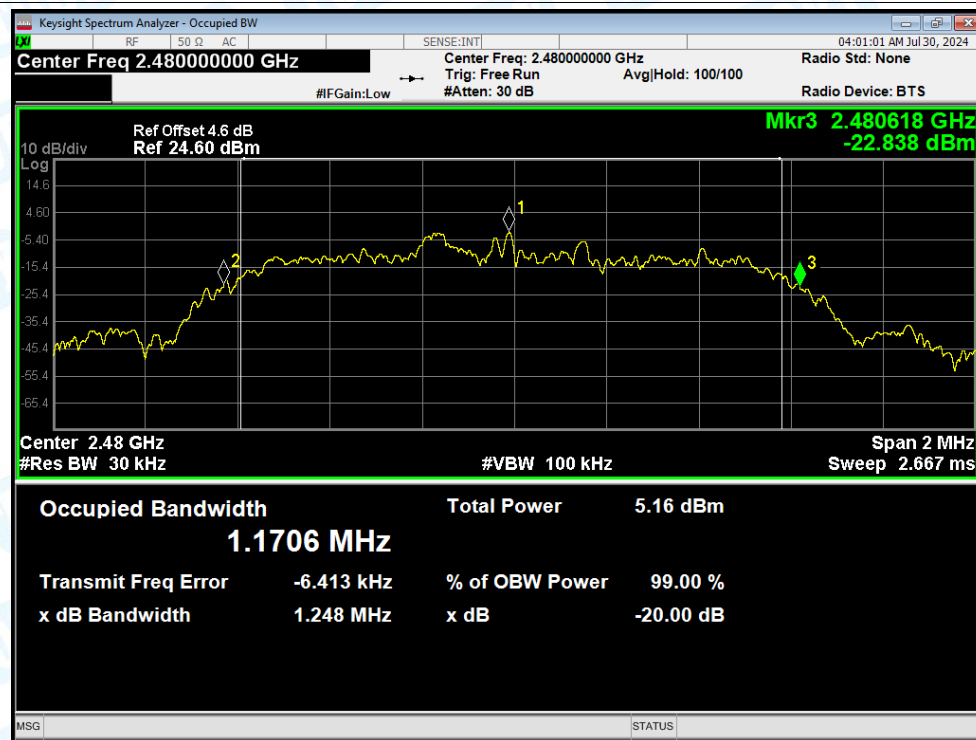
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



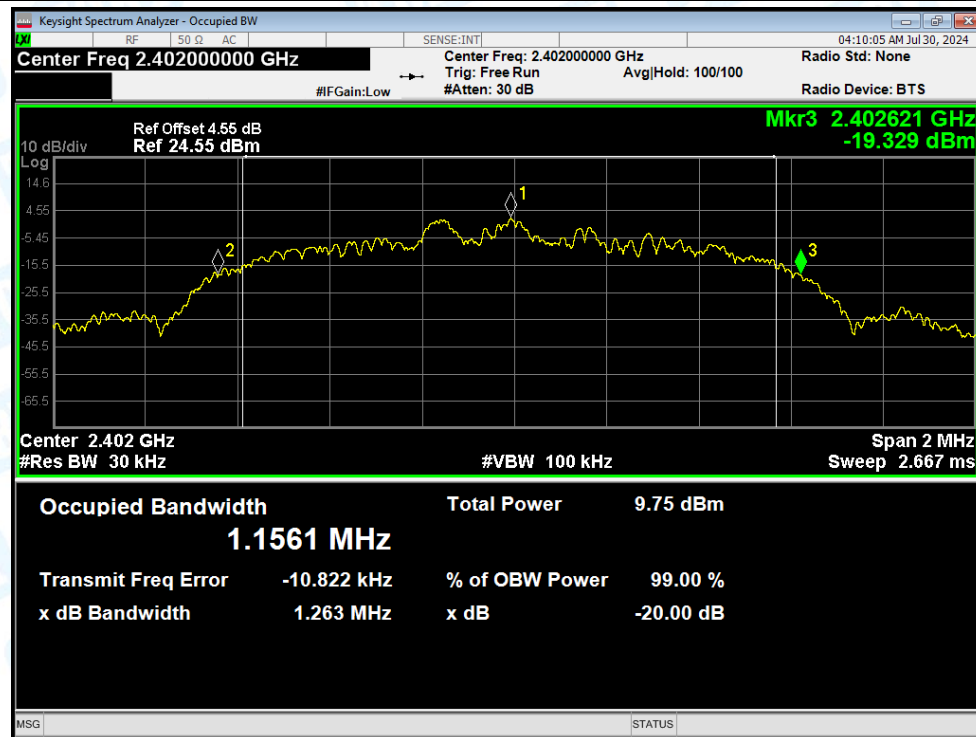
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



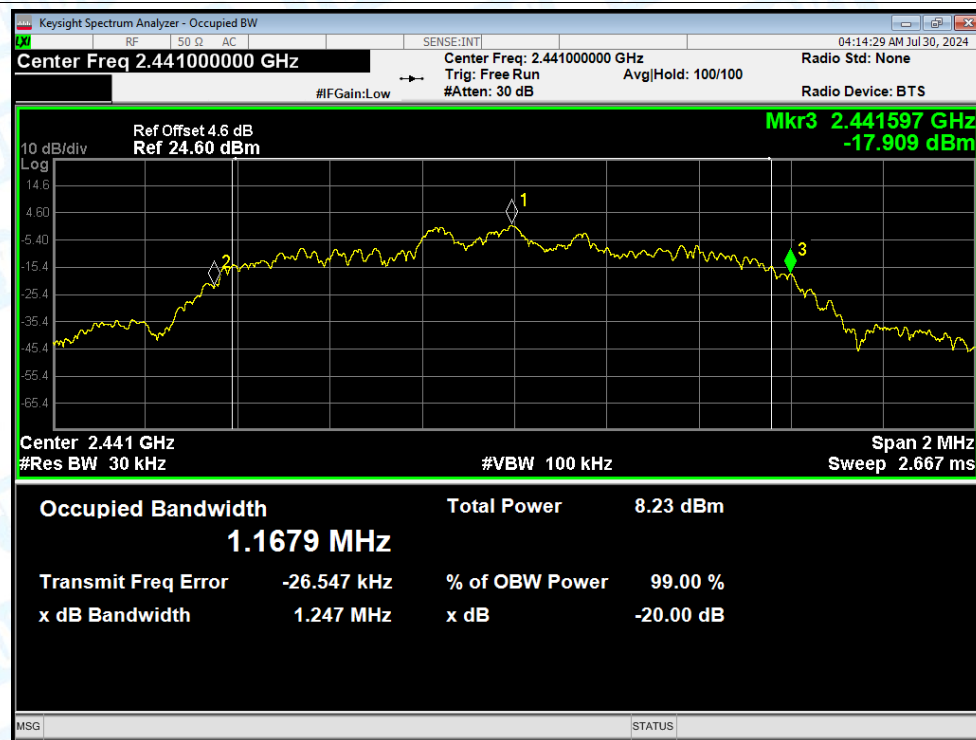
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1

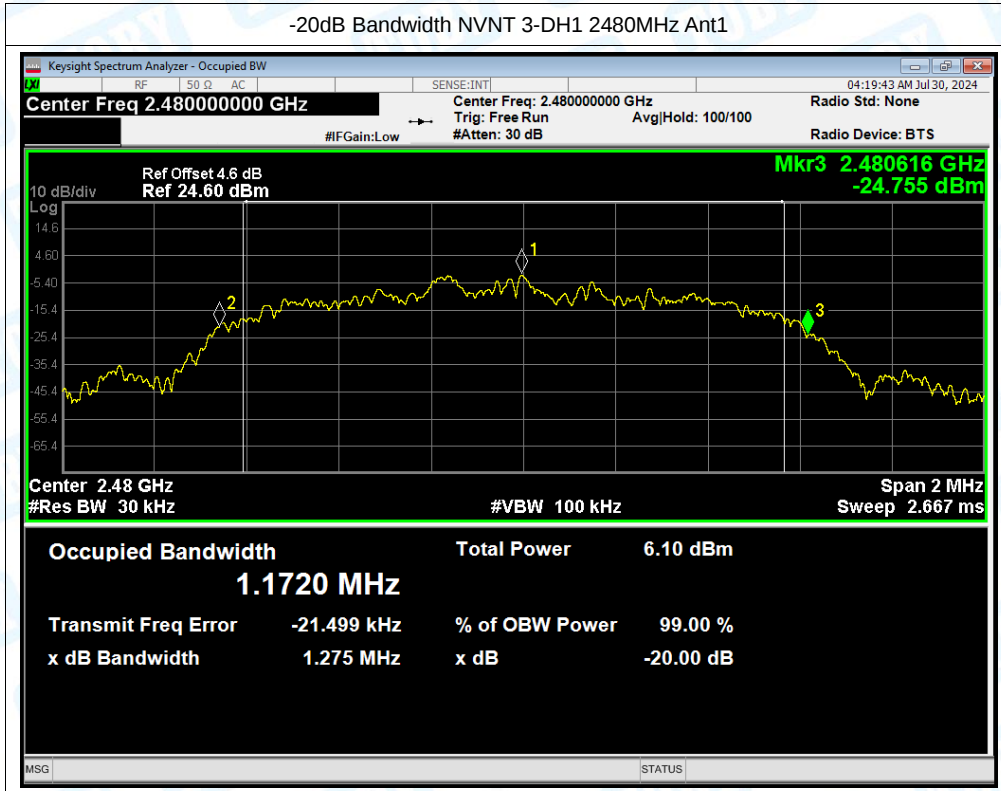


-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



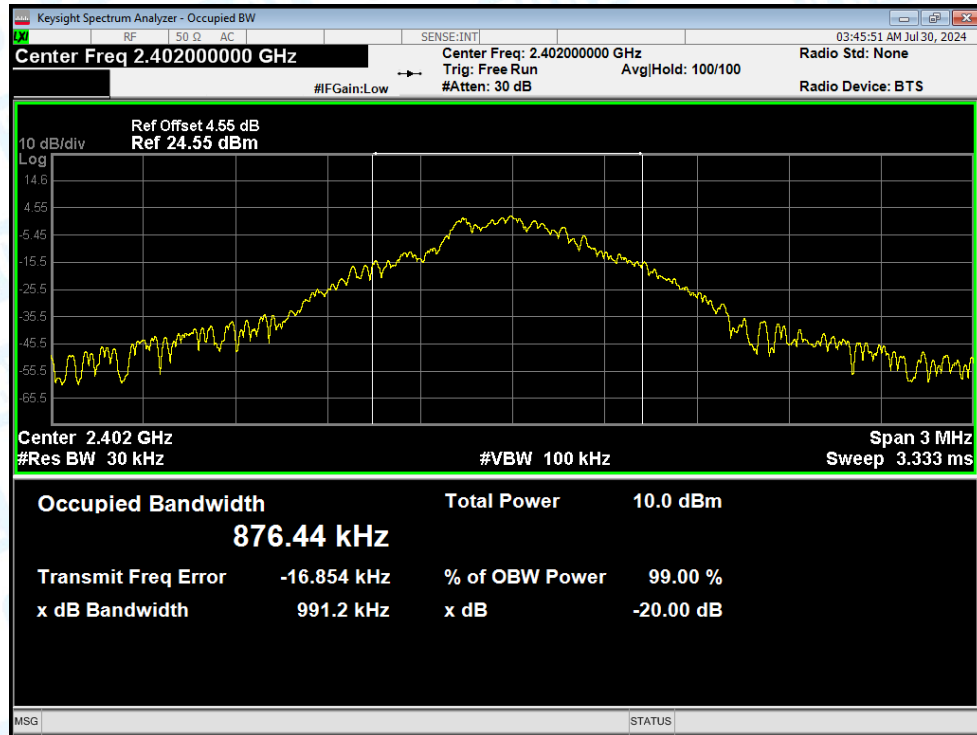


## 4. Occupied Channel Bandwidth

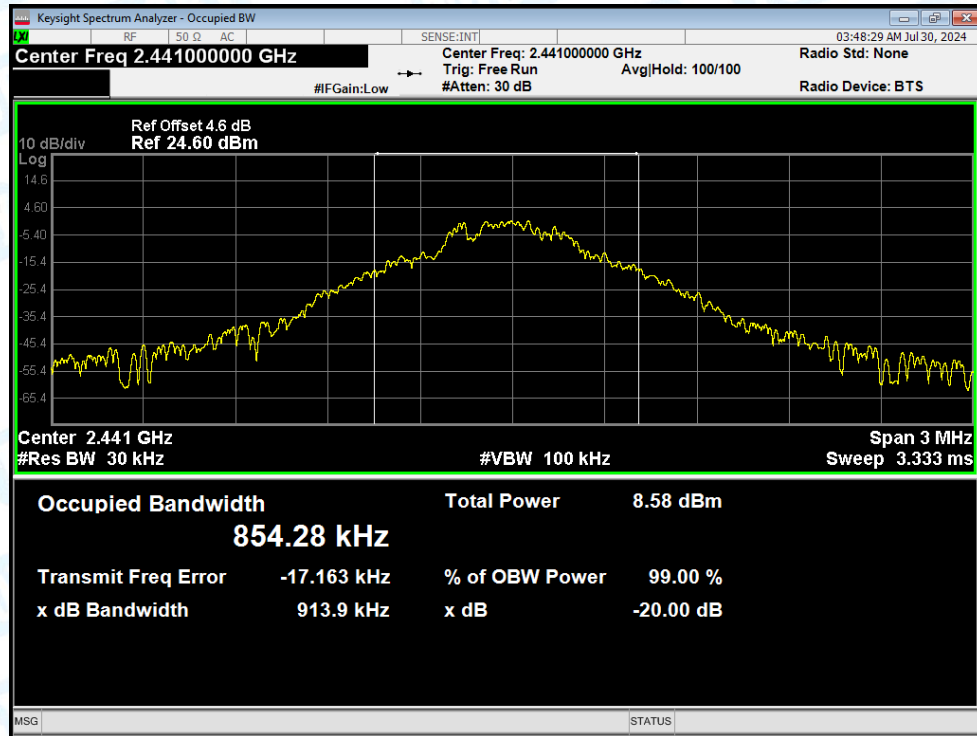
| Condition | Mode  | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|-------|-----------------|---------|---------------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 0.876         |
| NVNT      | 1-DH1 | 2441            | Ant1    | 0.854         |
| NVNT      | 1-DH1 | 2480            | Ant1    | 0.85          |
| NVNT      | 2-DH1 | 2402            | Ant1    | 1.149         |
| NVNT      | 2-DH1 | 2441            | Ant1    | 1.164         |
| NVNT      | 2-DH1 | 2480            | Ant1    | 1.162         |
| NVNT      | 3-DH1 | 2402            | Ant1    | 1.178         |
| NVNT      | 3-DH1 | 2441            | Ant1    | 1.162         |
| NVNT      | 3-DH1 | 2480            | Ant1    | 1.162         |

### Test Graphs

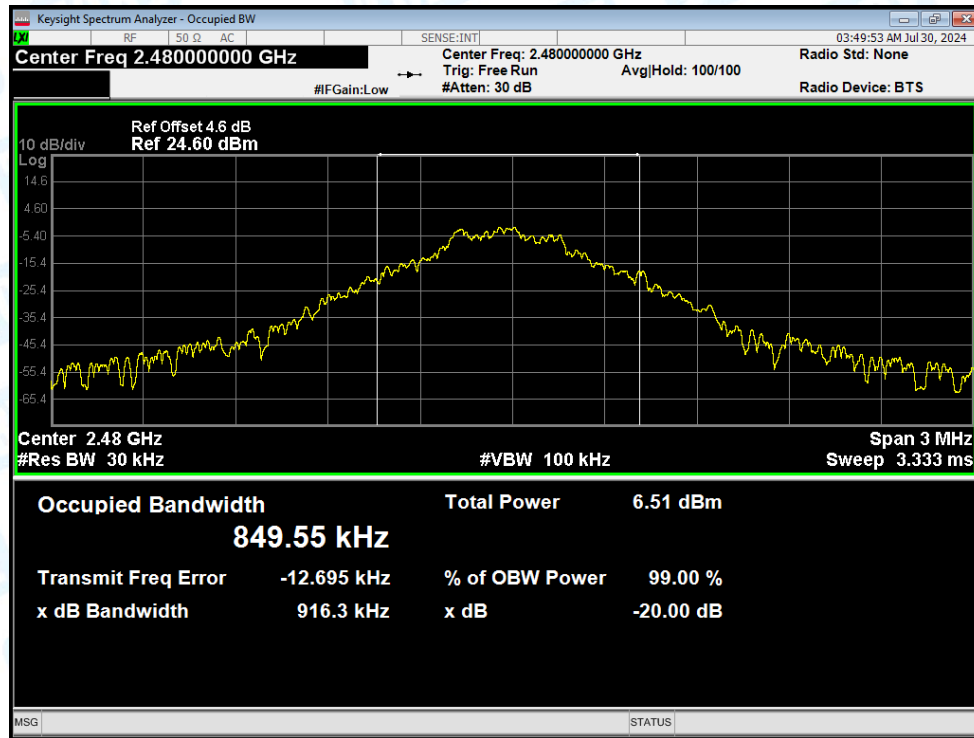
#### OBW NVNT 1-DH1 2402MHz Ant1



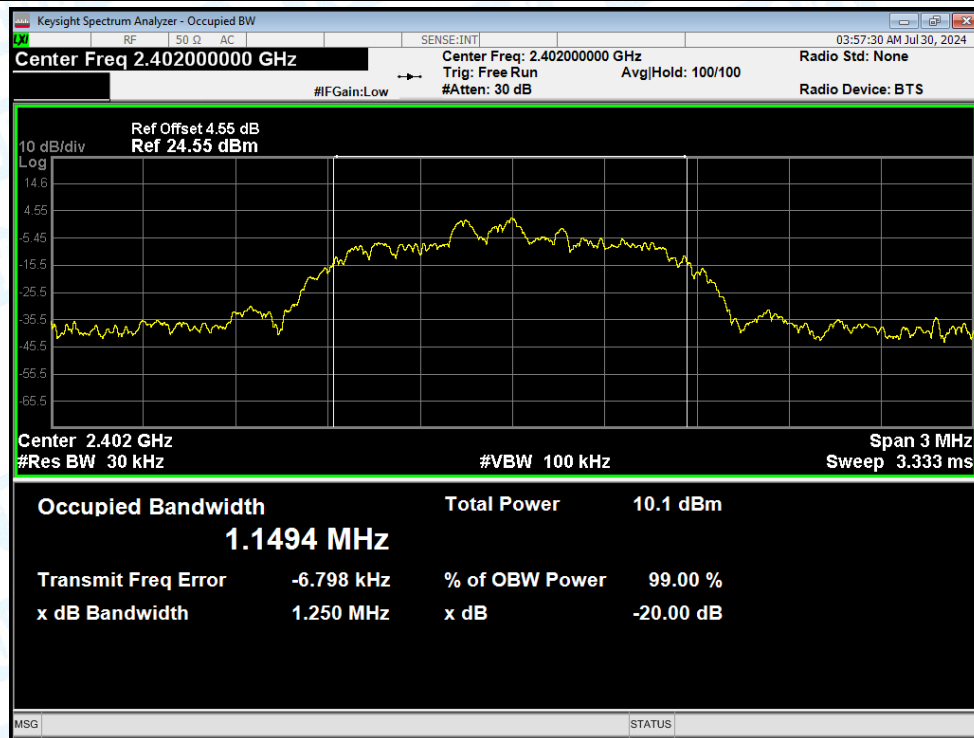
#### OBW NVNT 1-DH1 2441MHz Ant1



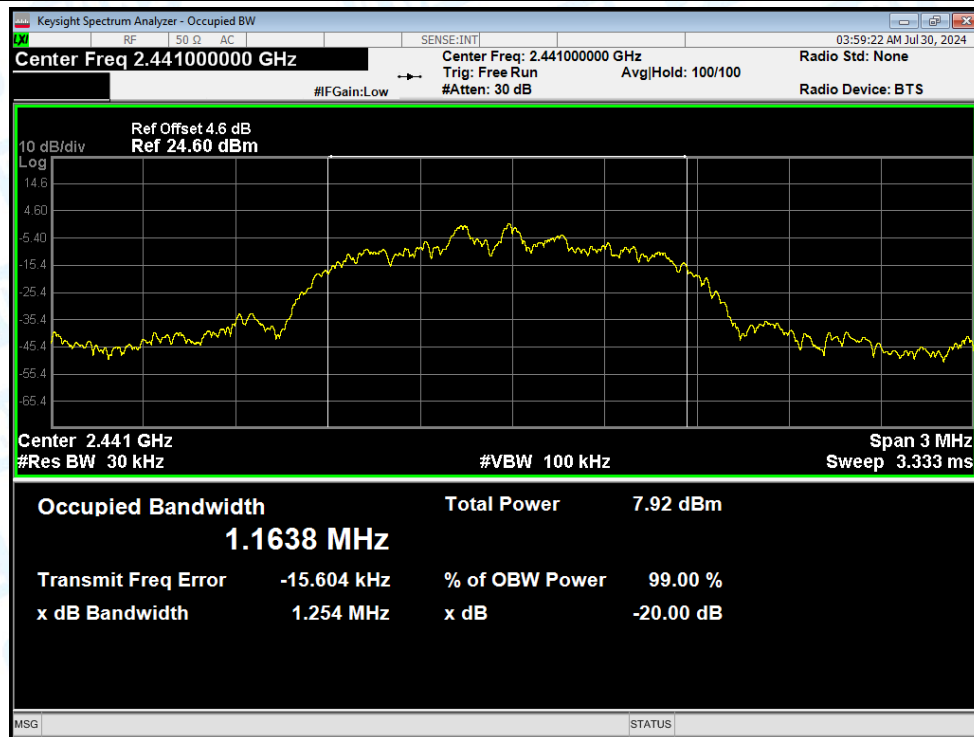
OBW NVNT 1-DH1 2480MHz Ant1



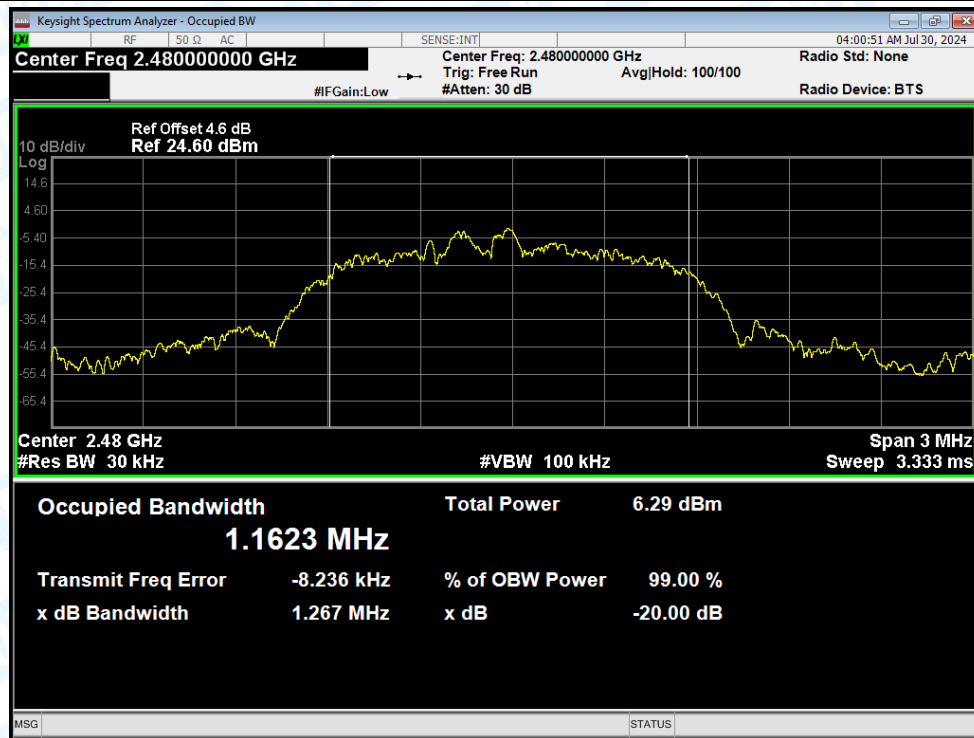
OBW NVNT 2-DH1 2402MHz Ant1



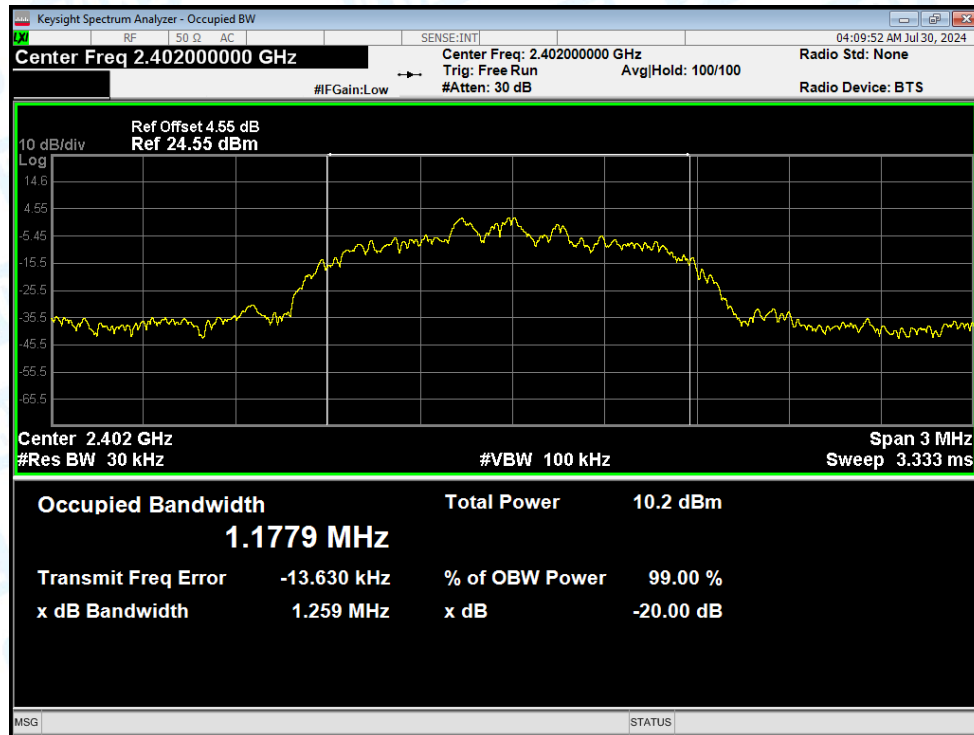
OBW NVNT 2-DH1 2441MHz Ant1



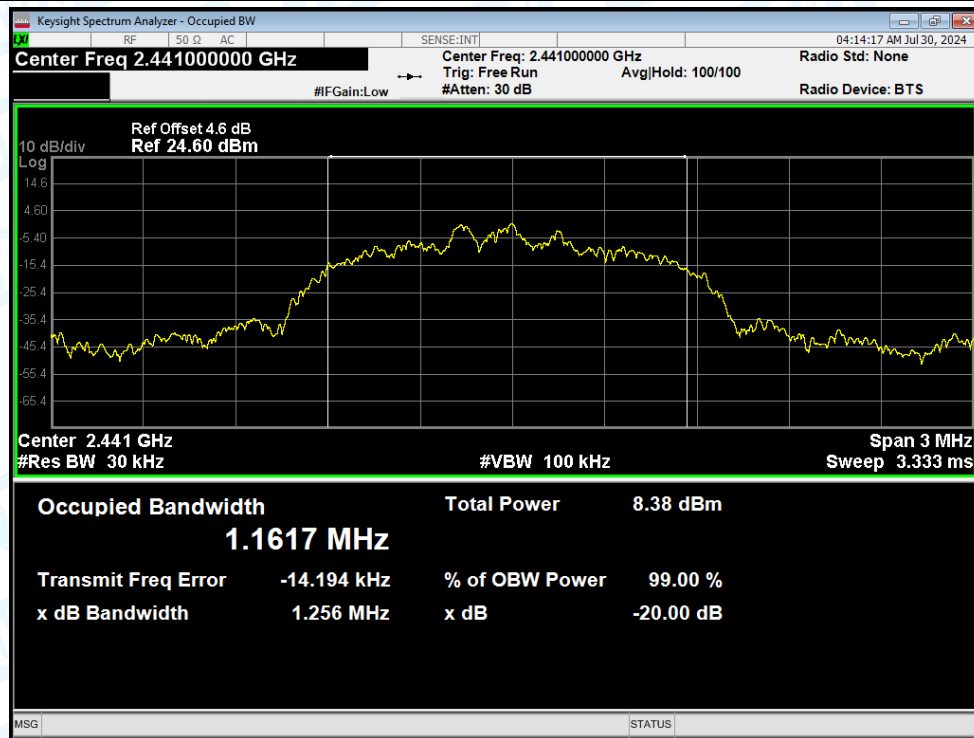
OBW NVNT 2-DH1 2480MHz Ant1

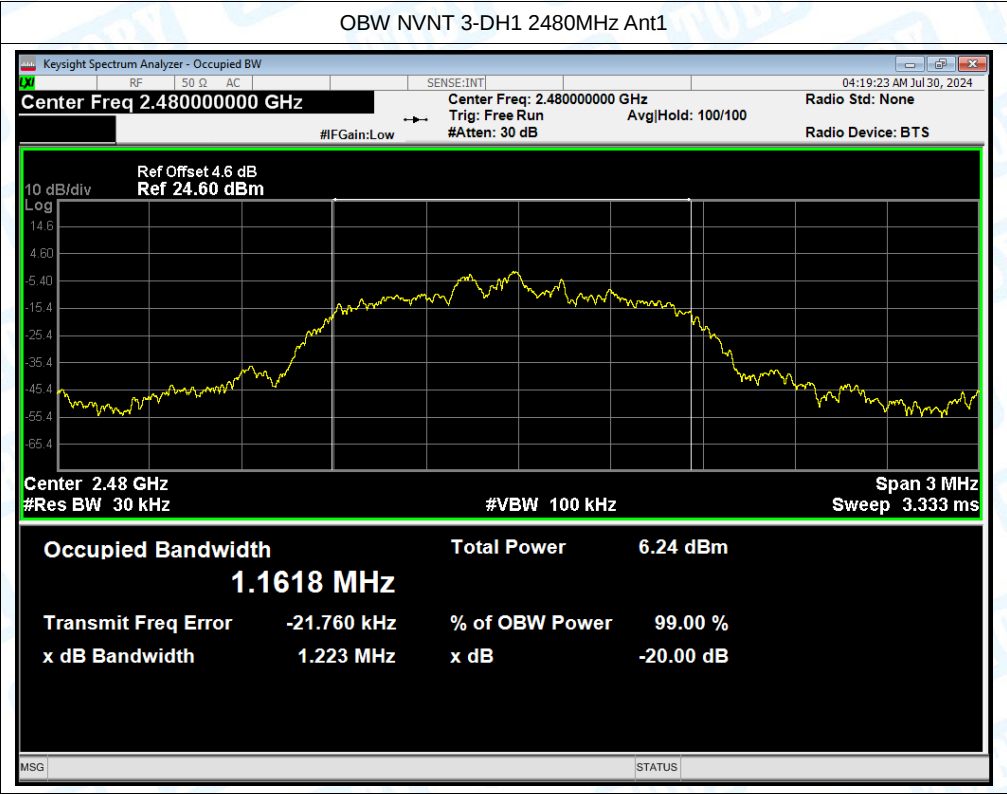


OBW NVNT 3-DH1 2402MHz Ant1



OBW NVNT 3-DH1 2441MHz Ant1



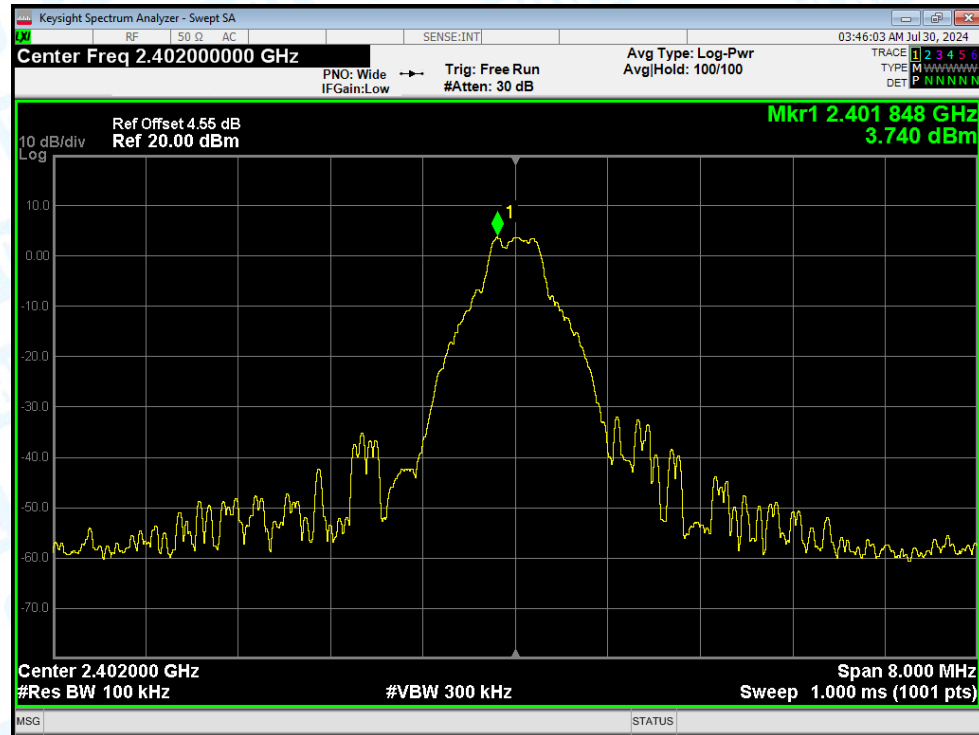


5. Band Edge

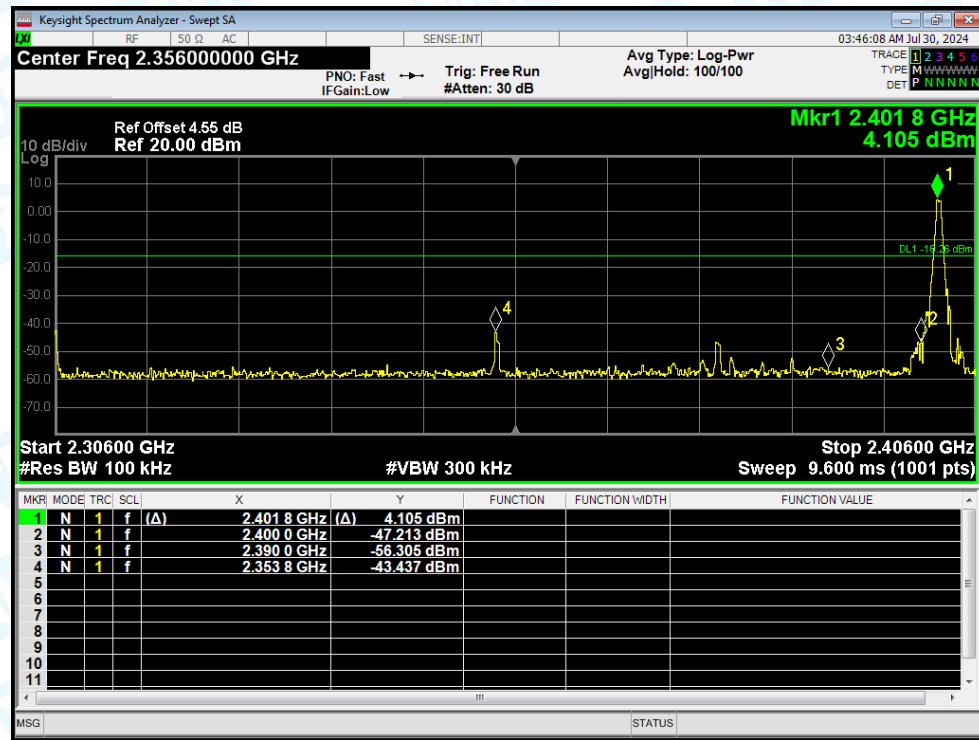
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | -47.18          | -20         | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | -55.23          | -20         | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | -50.82          | -20         | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | -55.26          | -20         | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | -48.81          | -20         | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | -55.44          | -20         | Pass    |

# Test Graphs

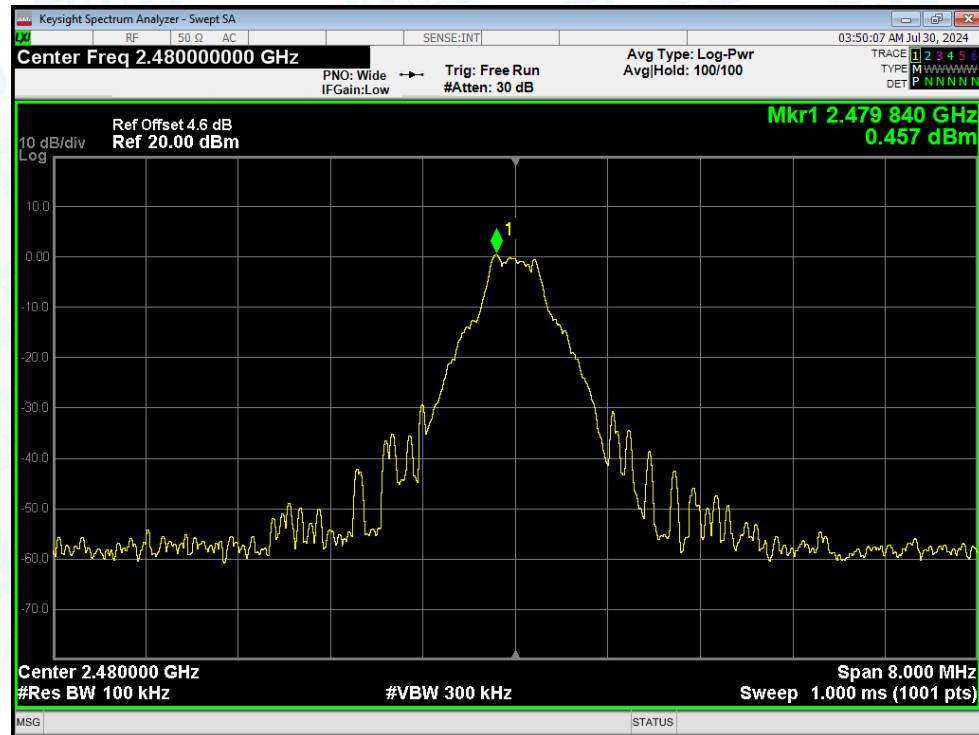
## Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref



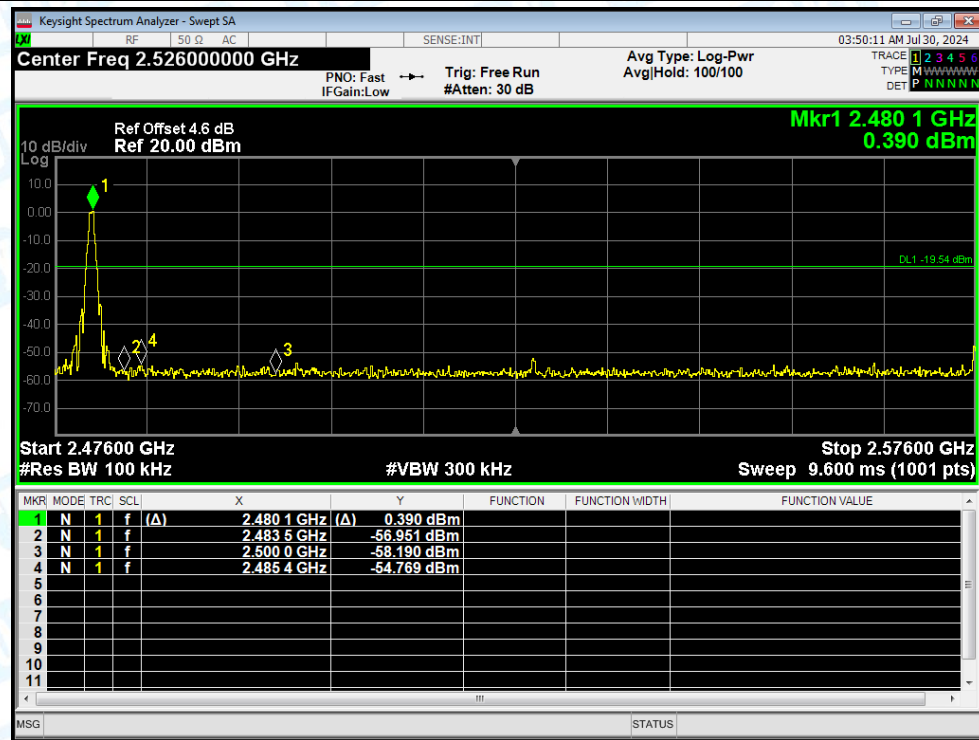
## Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



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



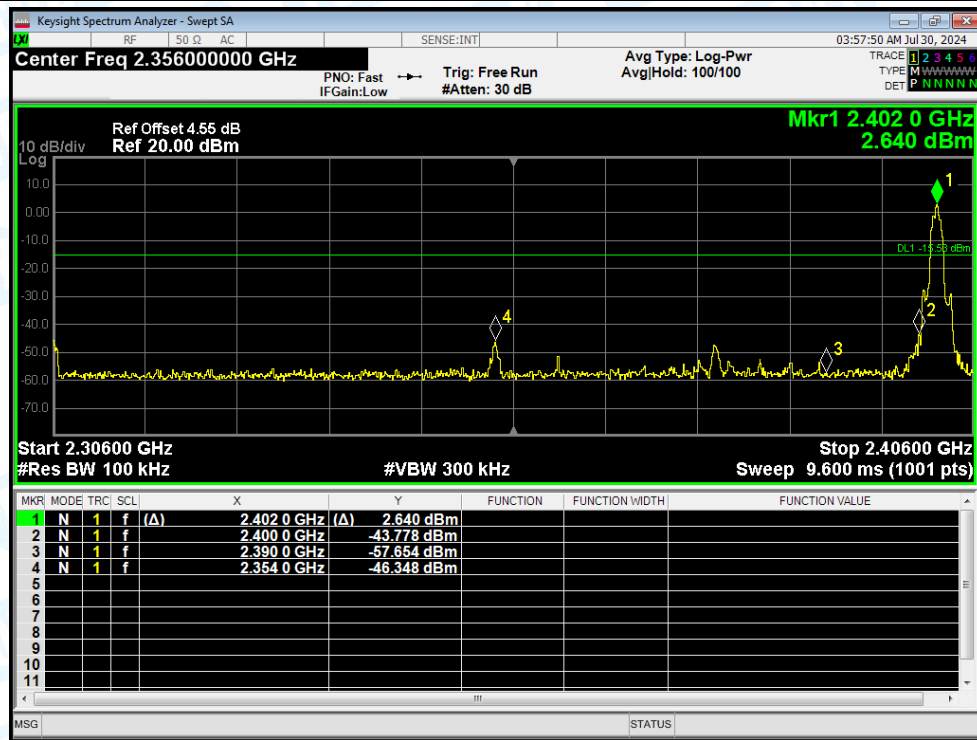
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission



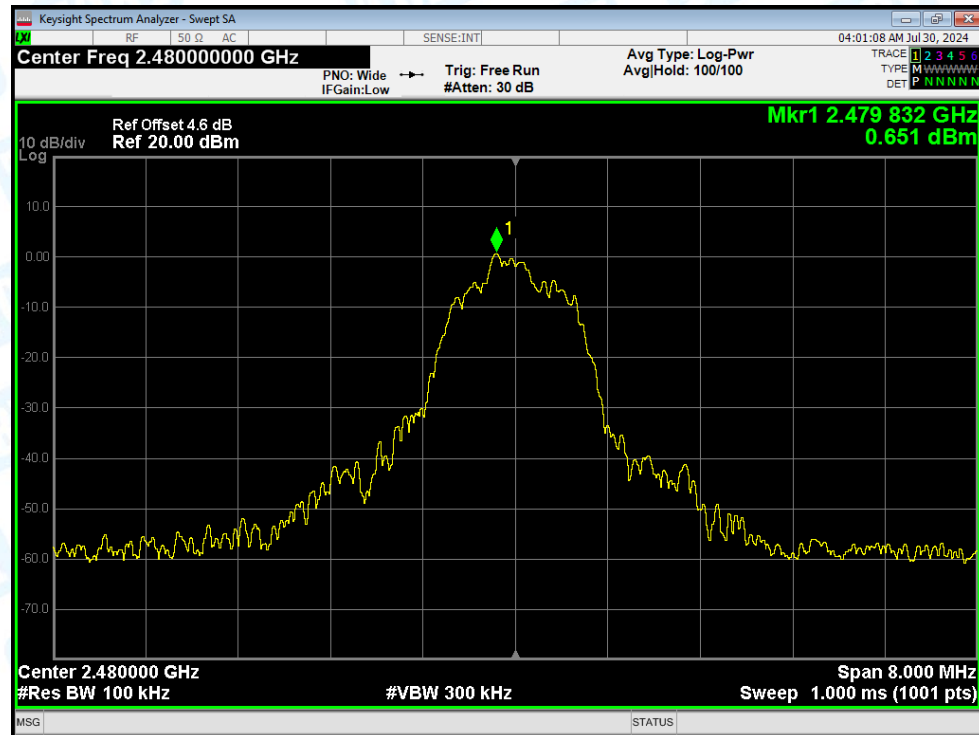
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Ref



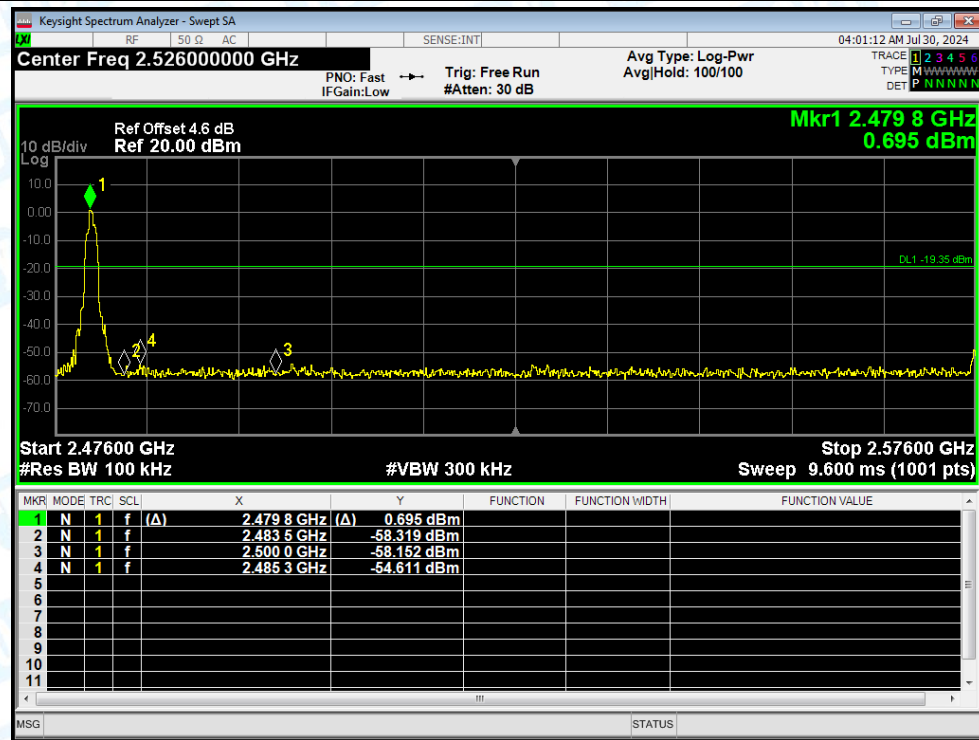
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission

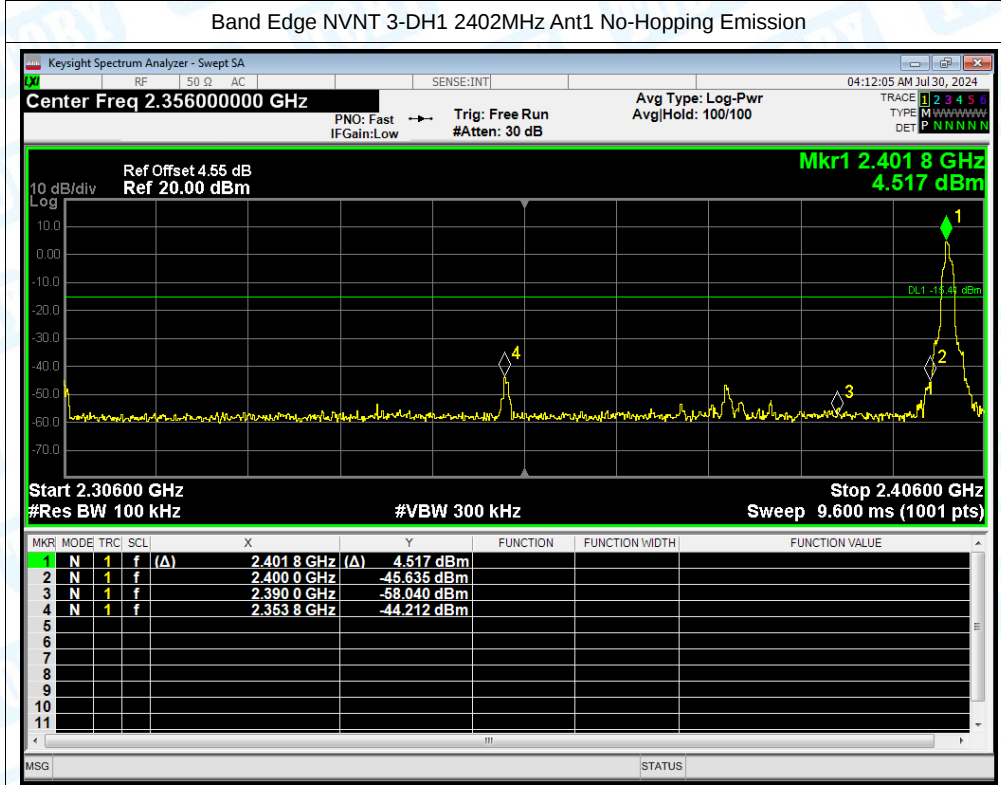
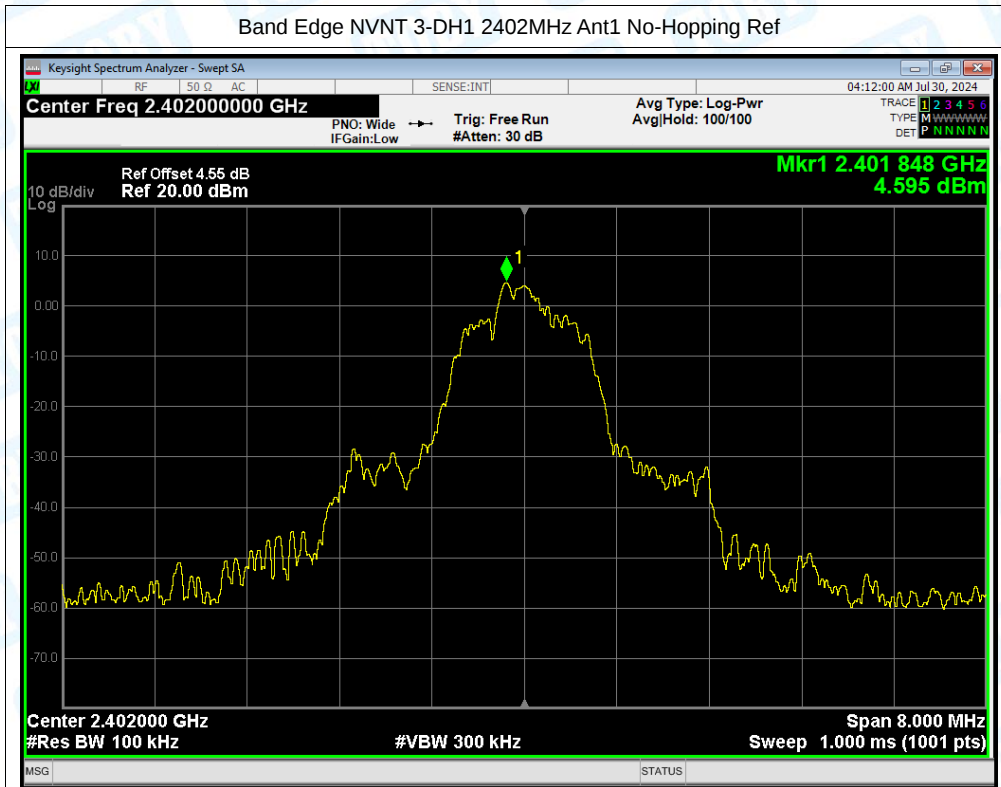


Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Ref

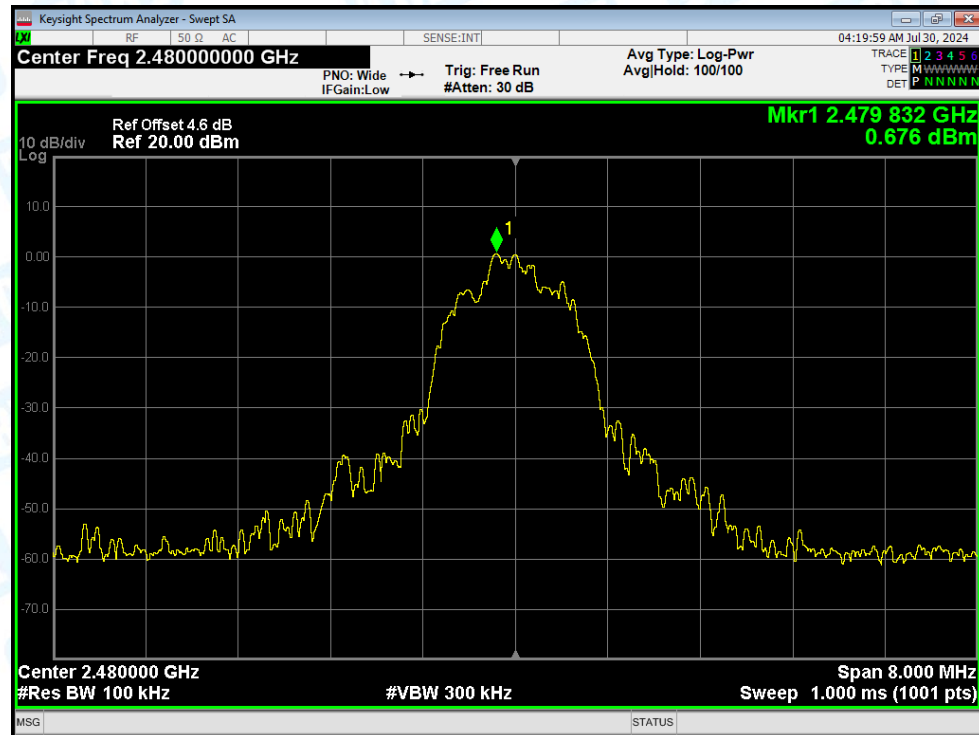


Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission

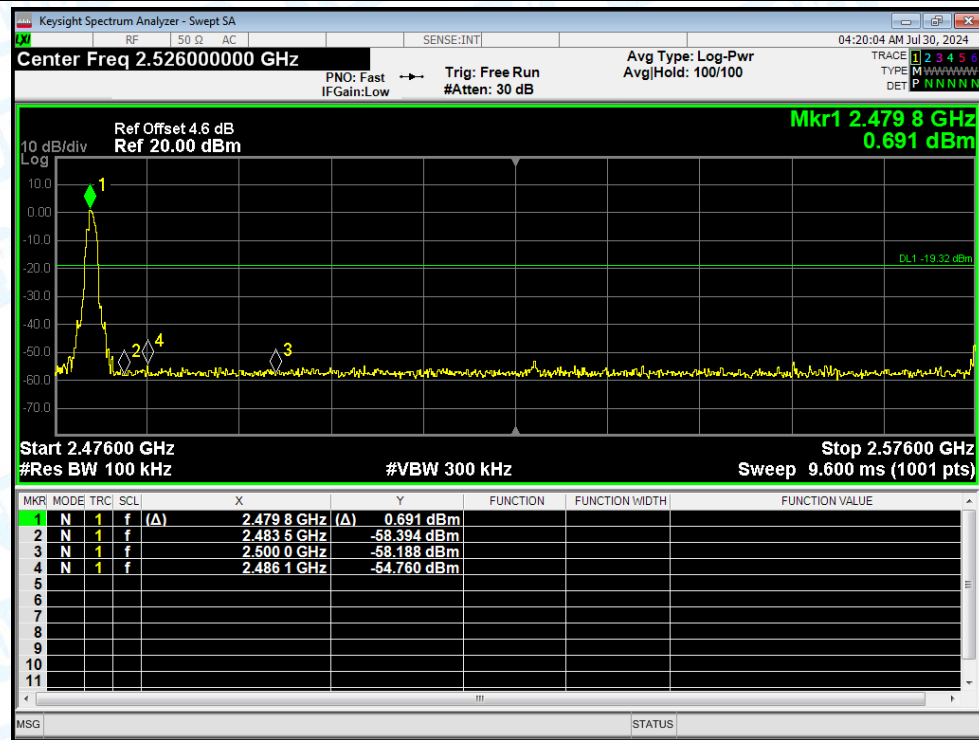




Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Ref



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



## 6. Band Edge(Hopping)

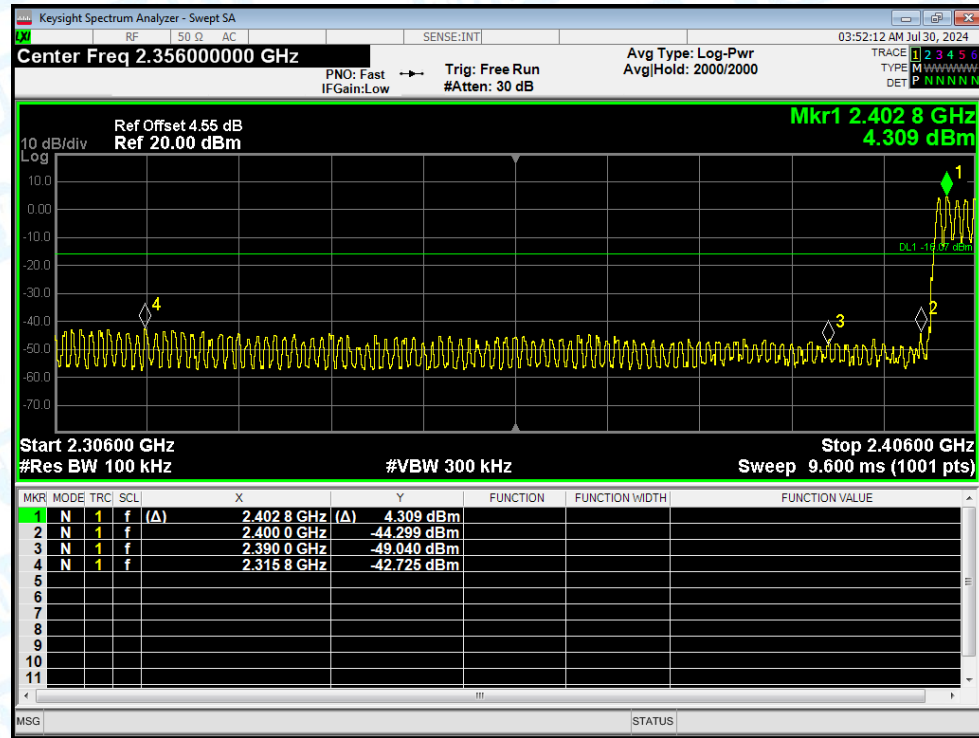
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | Hopping      | -46.65          | -20         | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | Hopping      | -44.75          | -20         | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | Hopping      | -47.32          | -20         | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | Hopping      | -45.09          | -20         | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | Hopping      | -46.22          | -20         | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | Hopping      | -44.74          | -20         | Pass    |

# Test Graphs

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



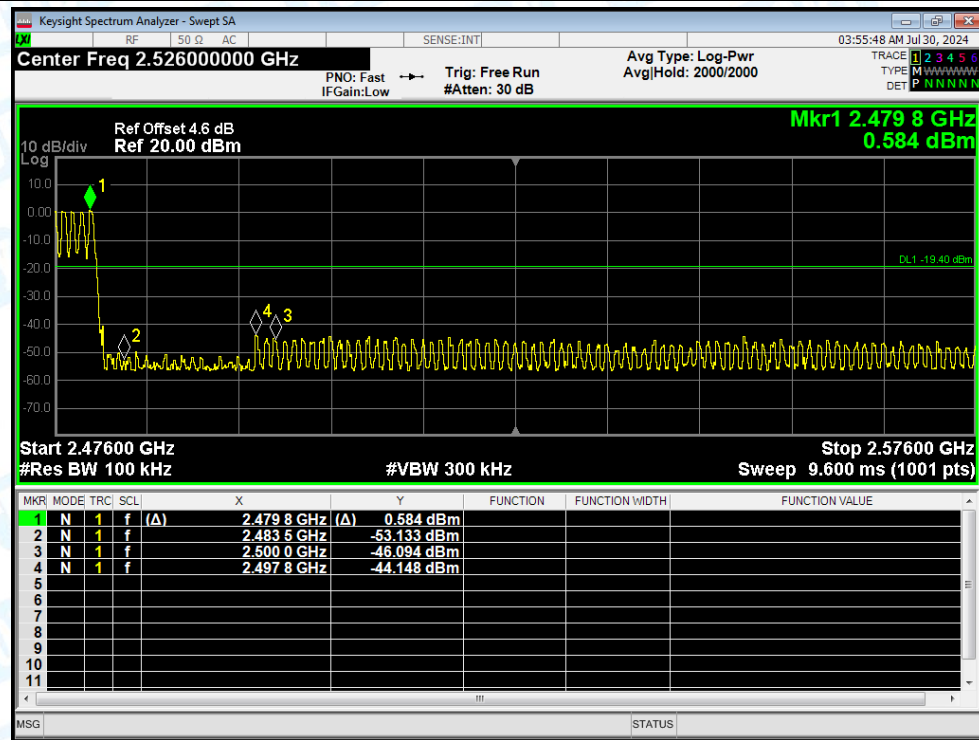
## Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission



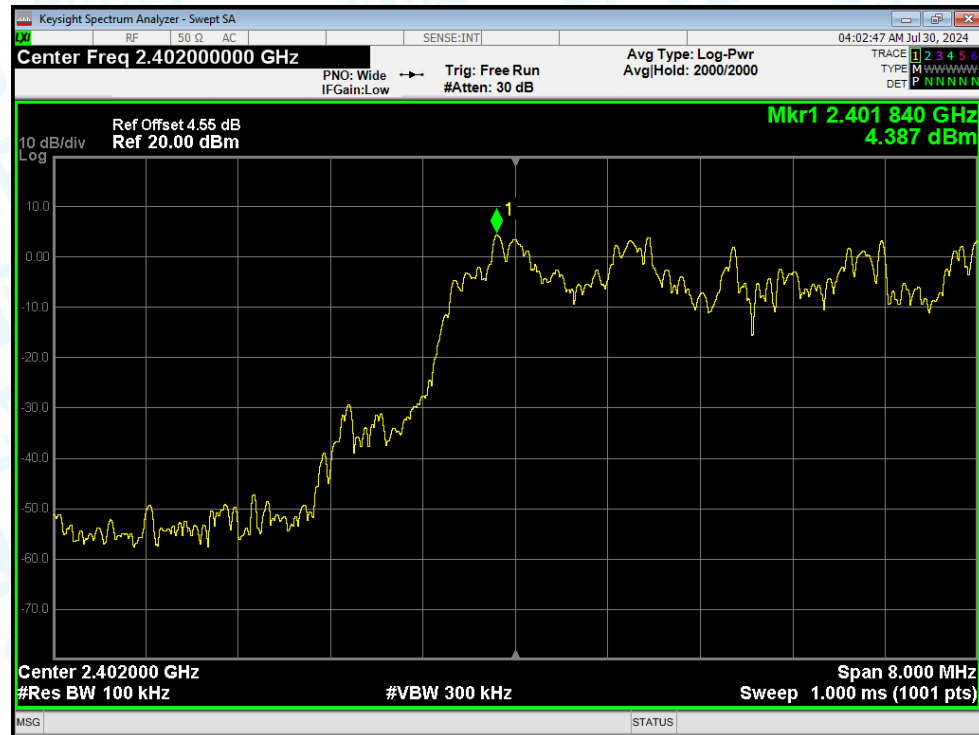
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Ref



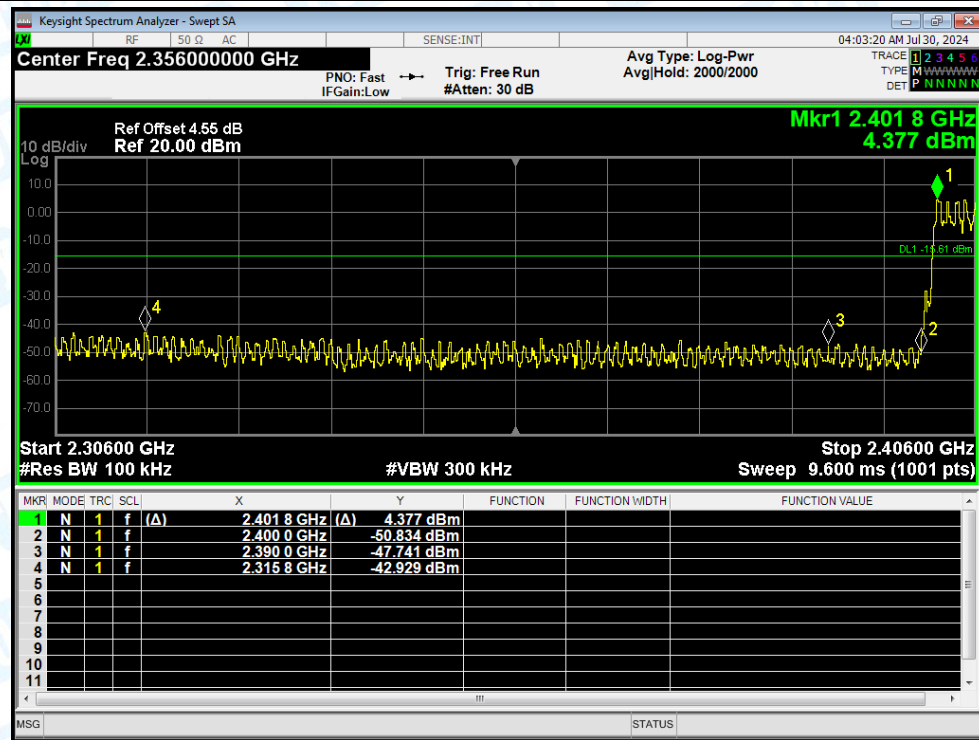
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission

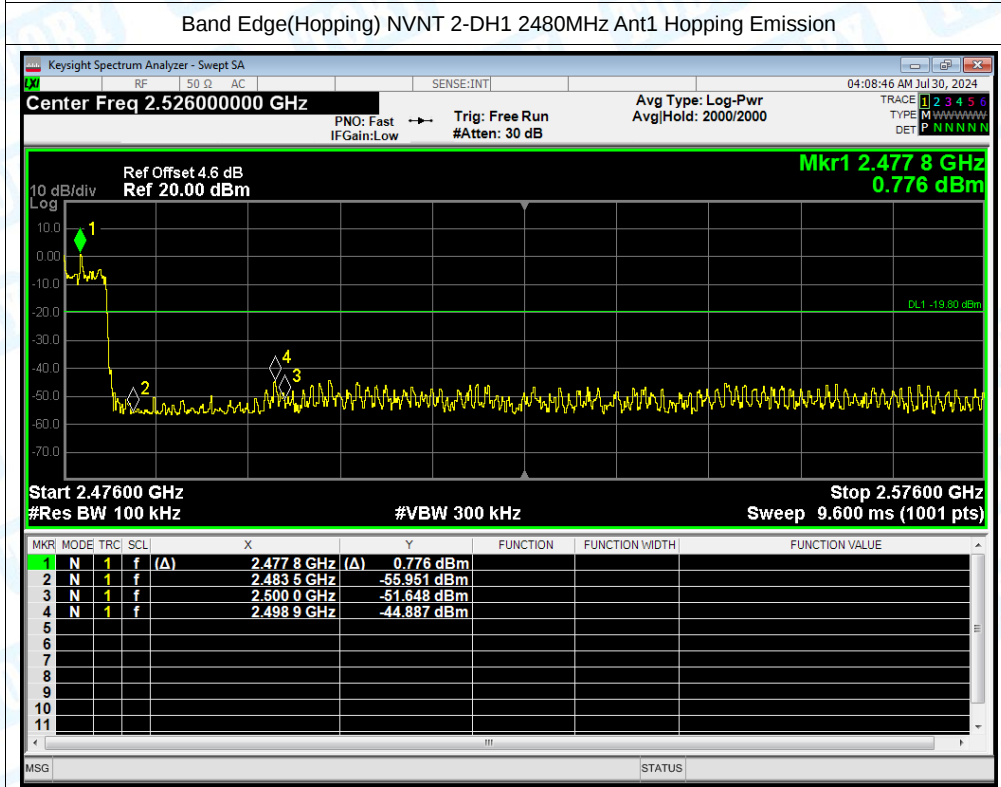


### Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Ref

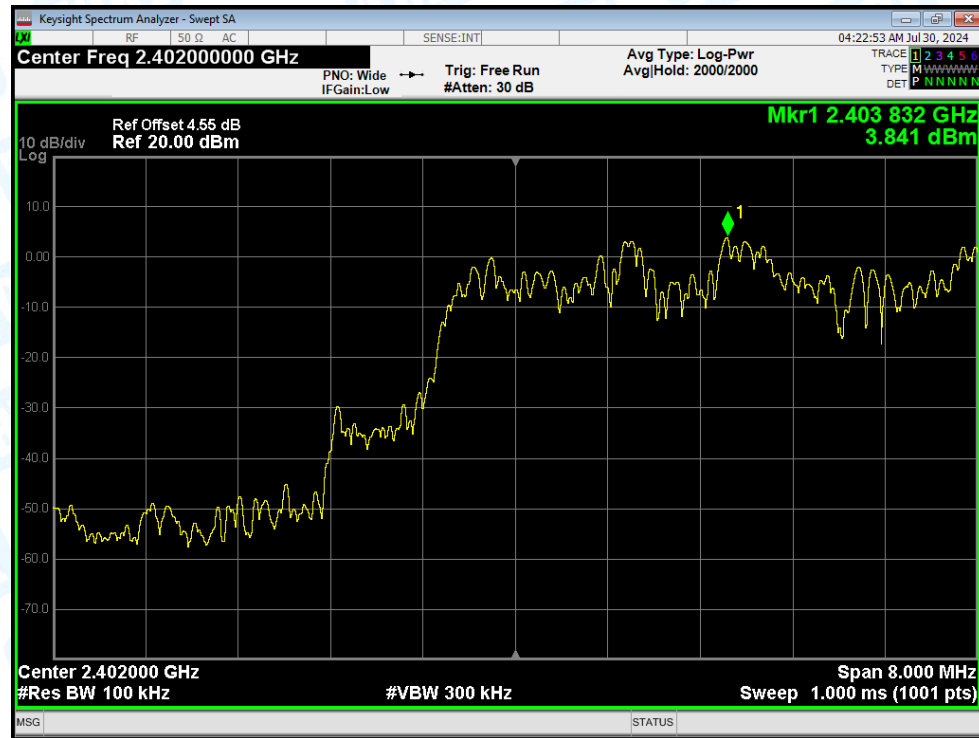


### Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Emission

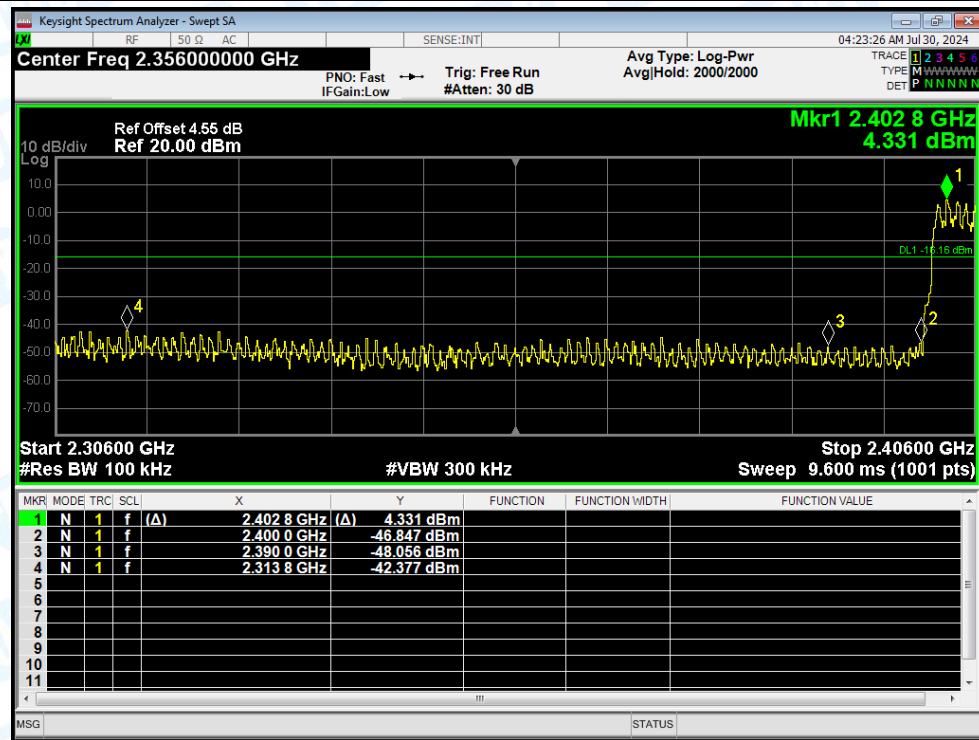




### Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Ref



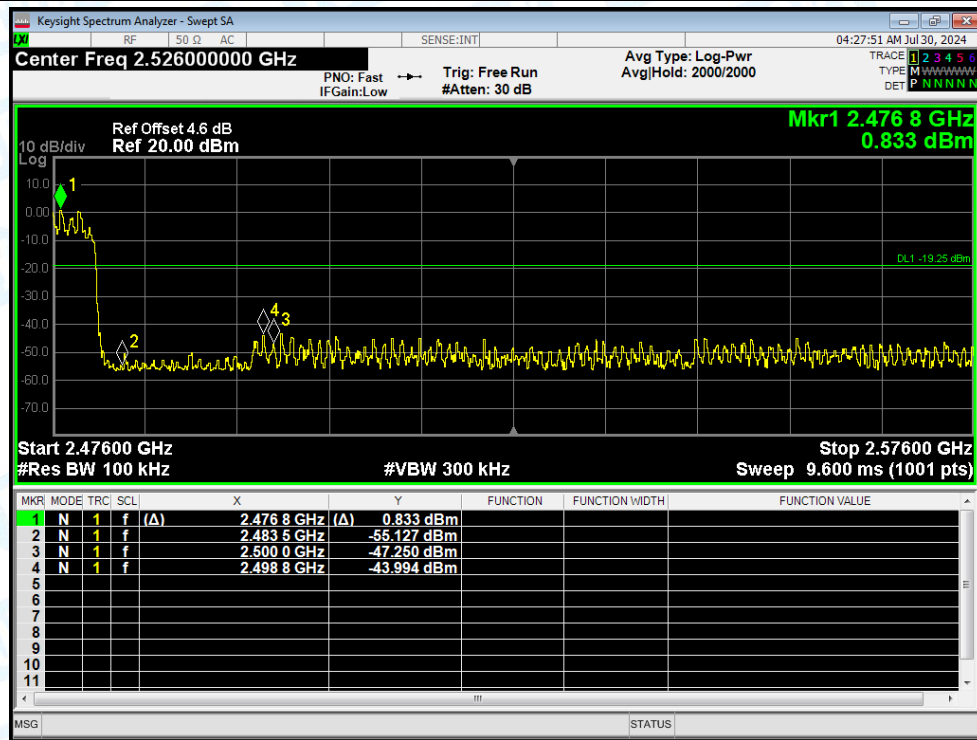
### Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Emission



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



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

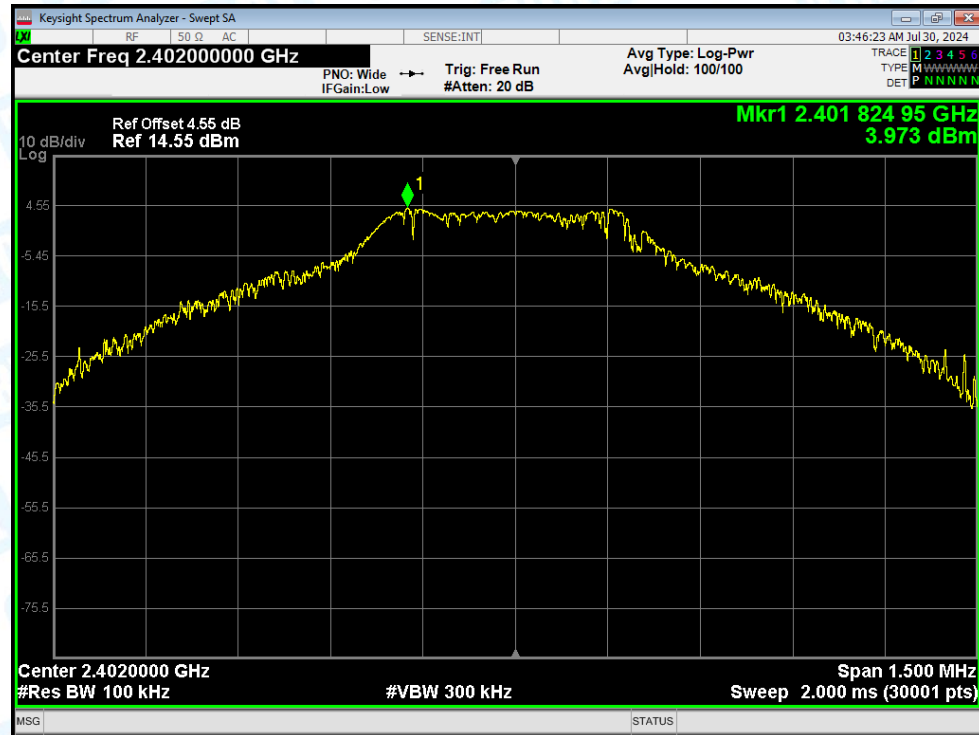


## 7. Conducted RF Spurious Emission

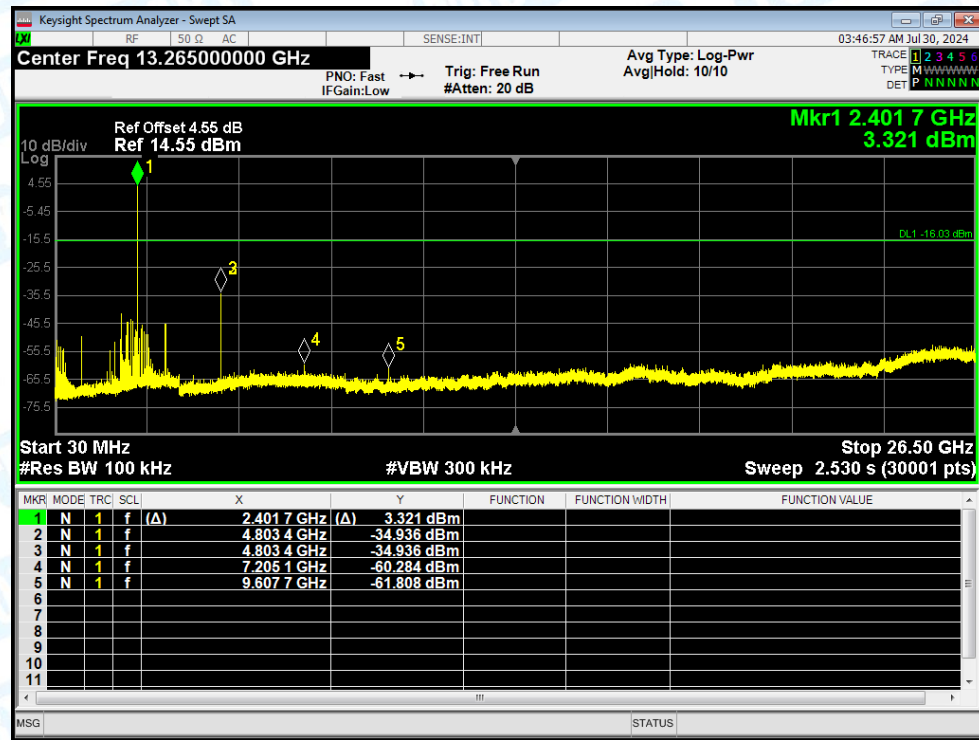
| Condition | Mode  | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | -38.91          | -20         | Pass    |
| NVNT      | 1-DH1 | 2441            | Ant1    | -40.42          | -20         | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | -44.13          | -20         | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | -39.4           | -20         | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | -41.93          | -20         | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | -44.33          | -20         | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | -41.24          | -20         | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | -42.67          | -20         | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | -44.29          | -20         | Pass    |

### Test Graphs

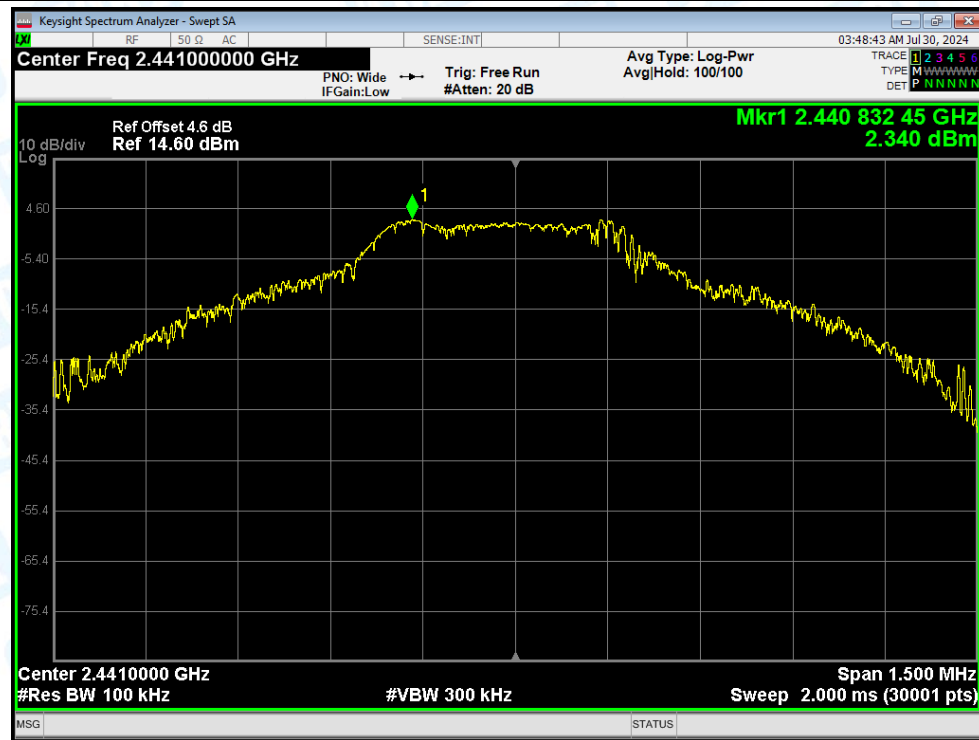
#### Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



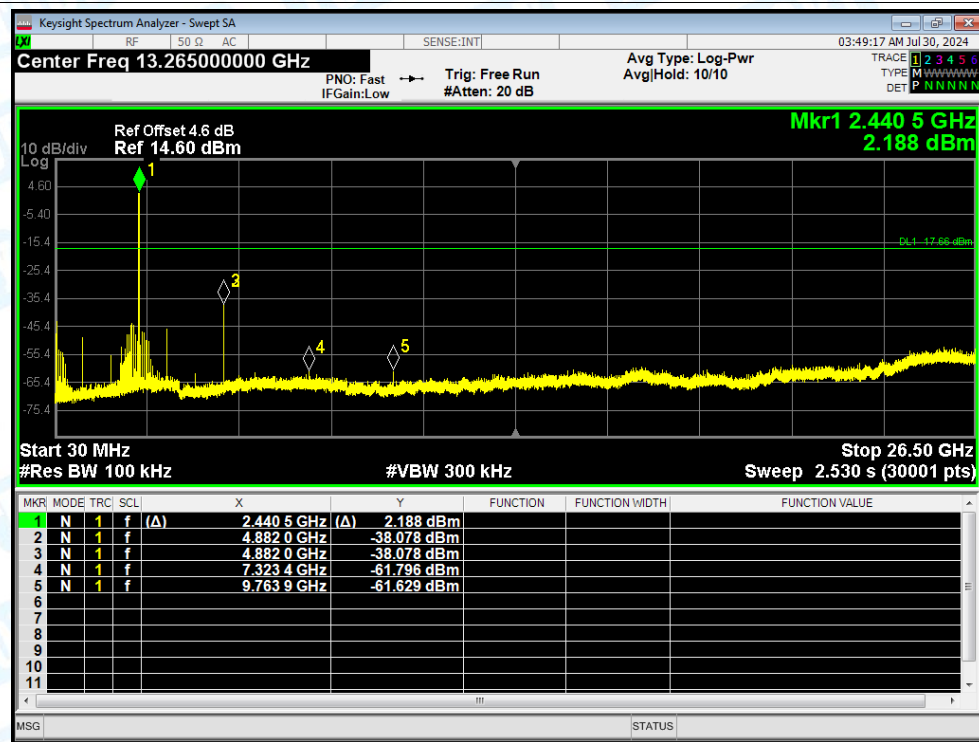
#### Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission



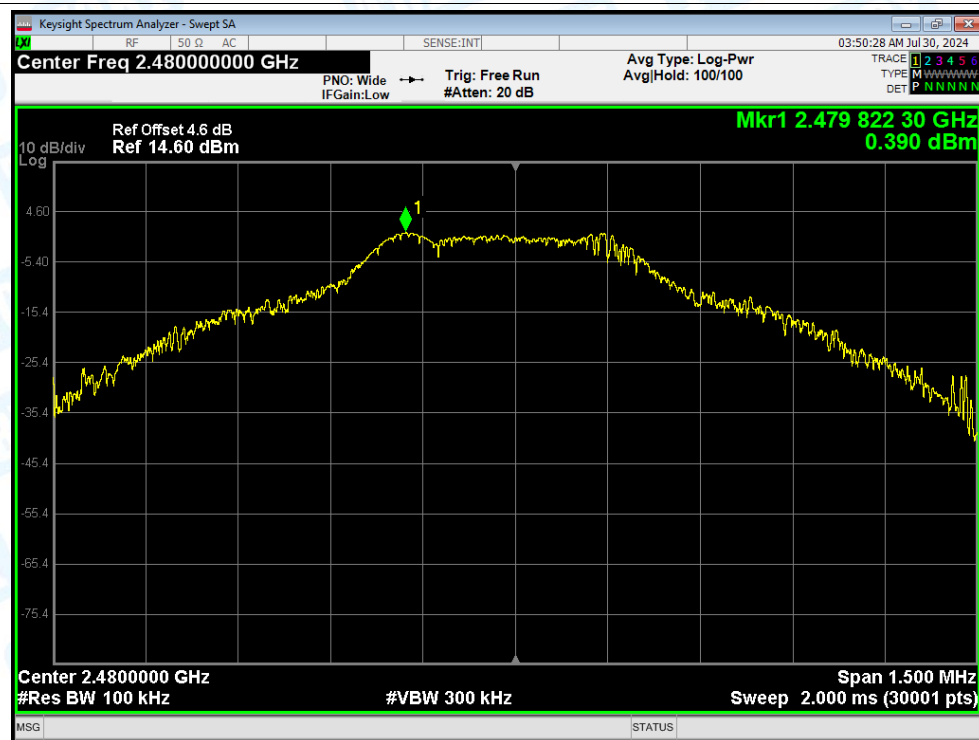
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



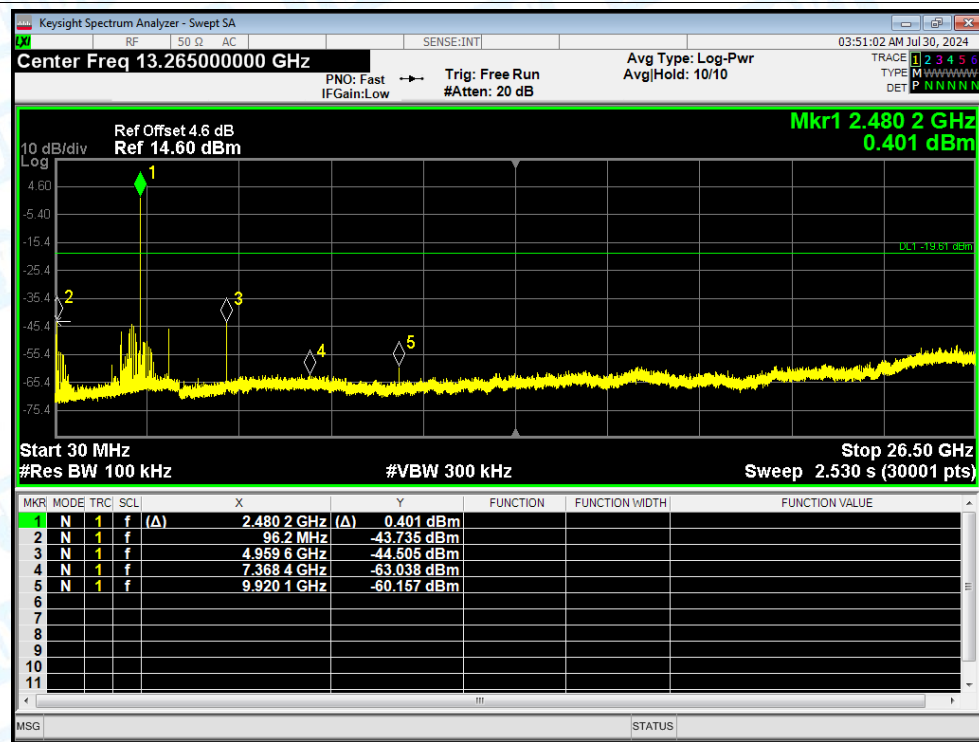
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



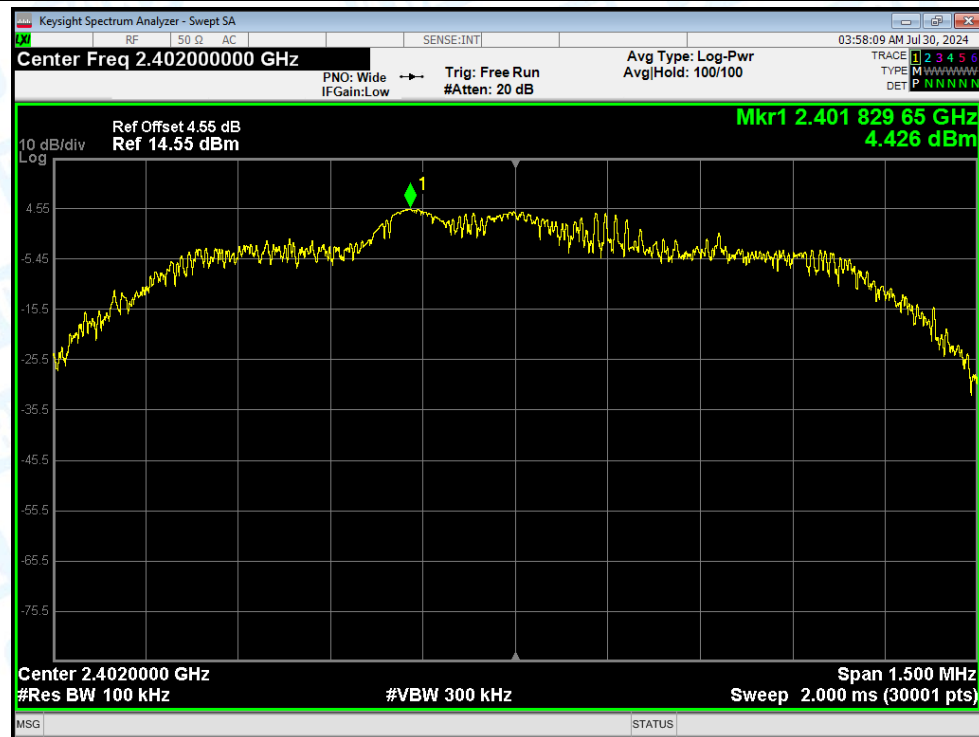
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref



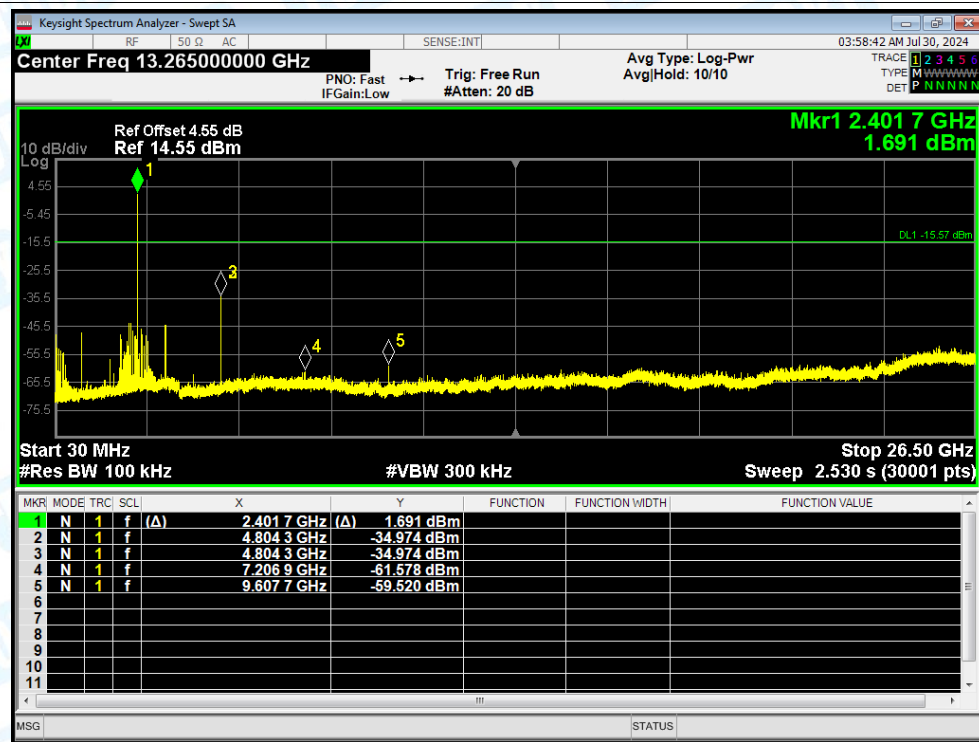
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission



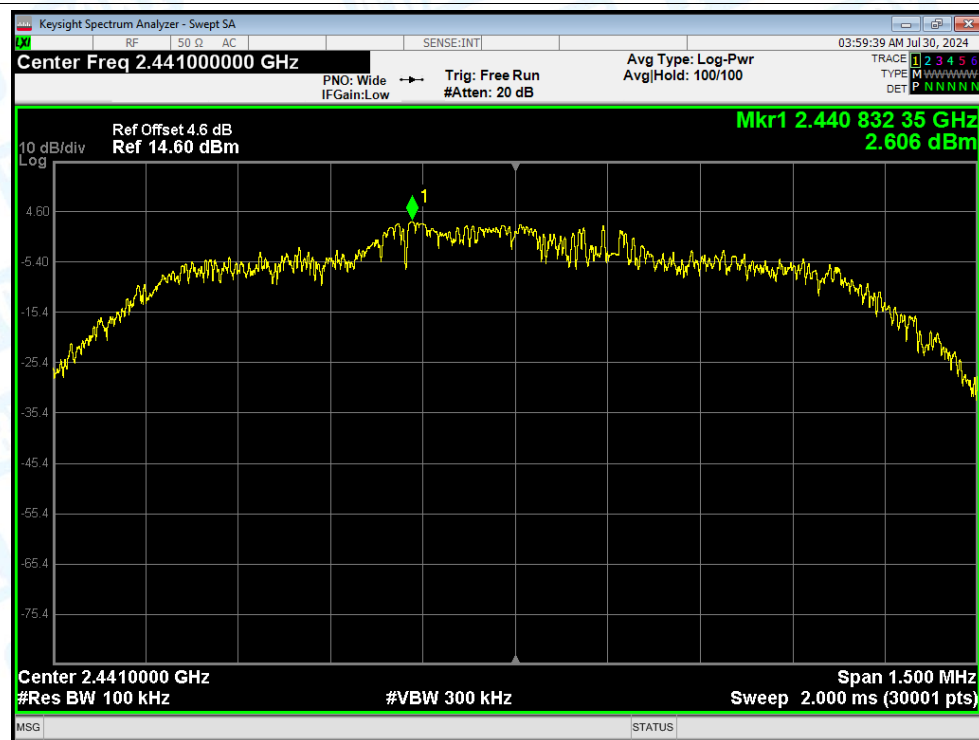
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref



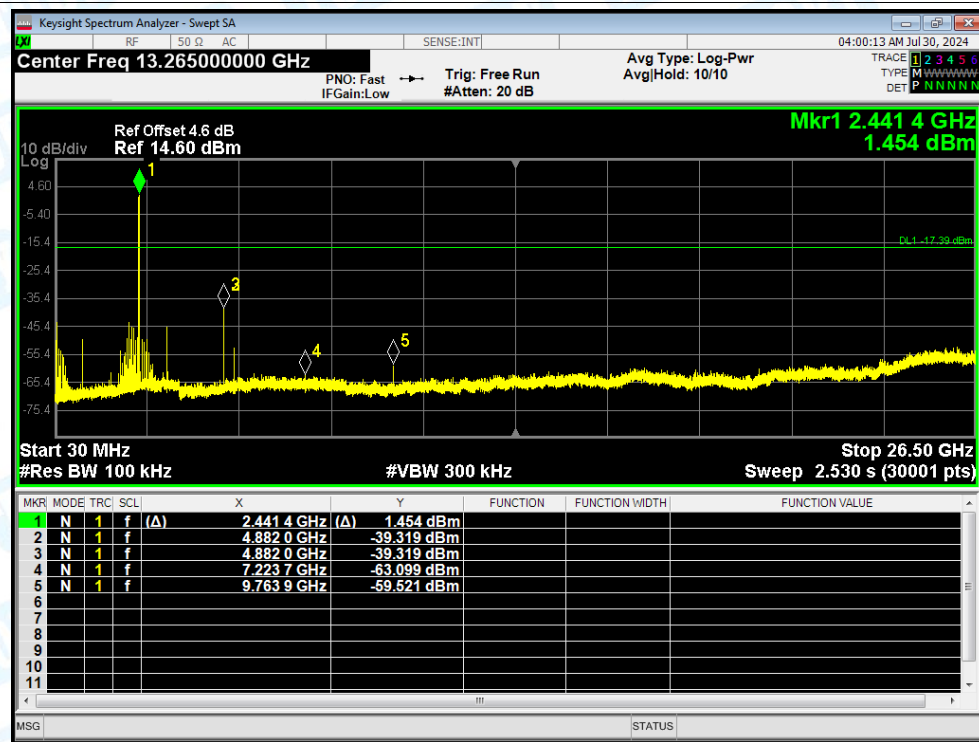
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission



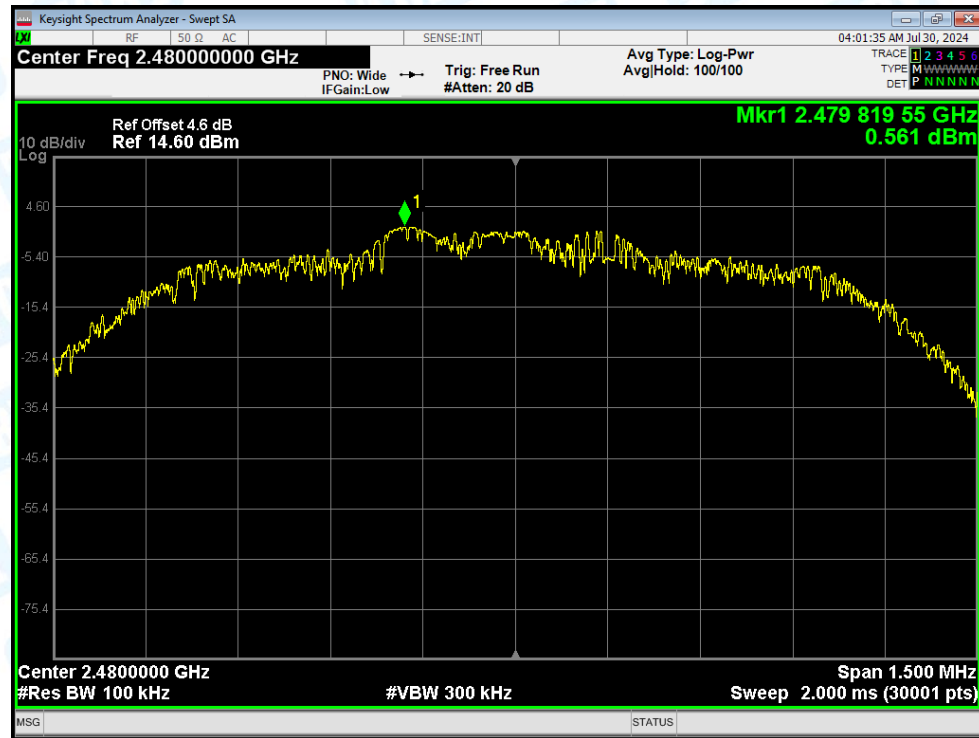
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



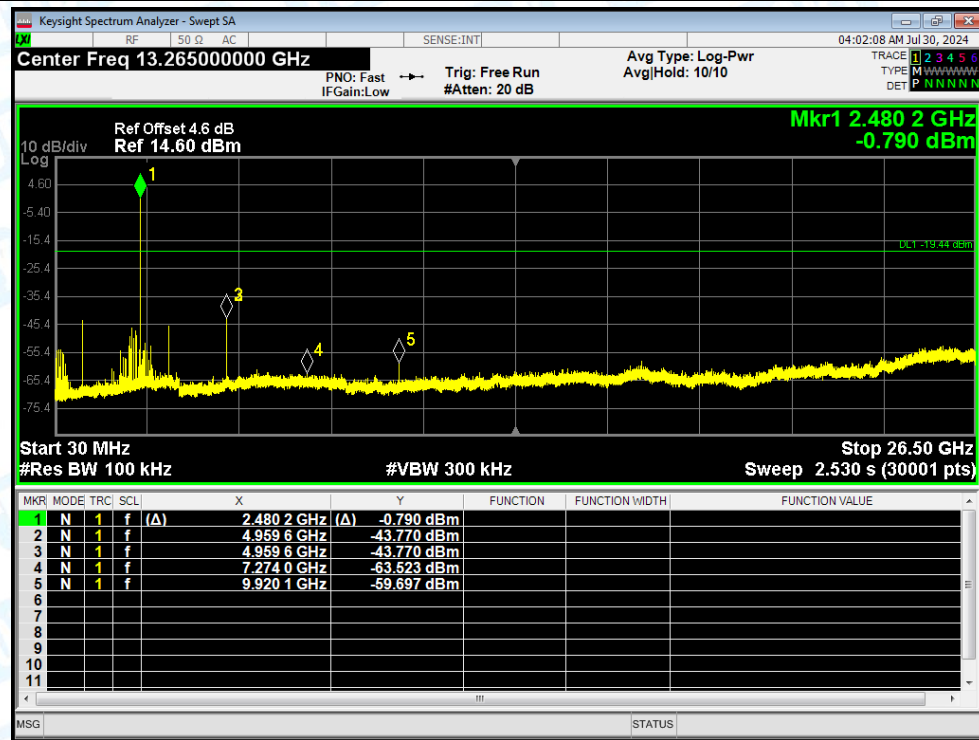
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



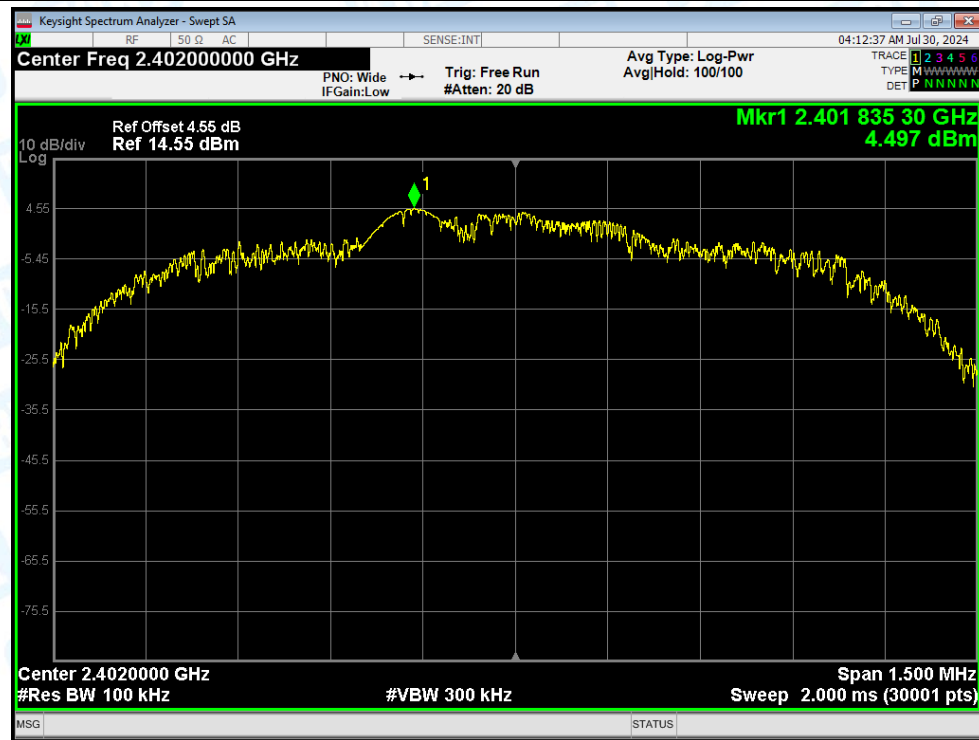
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref



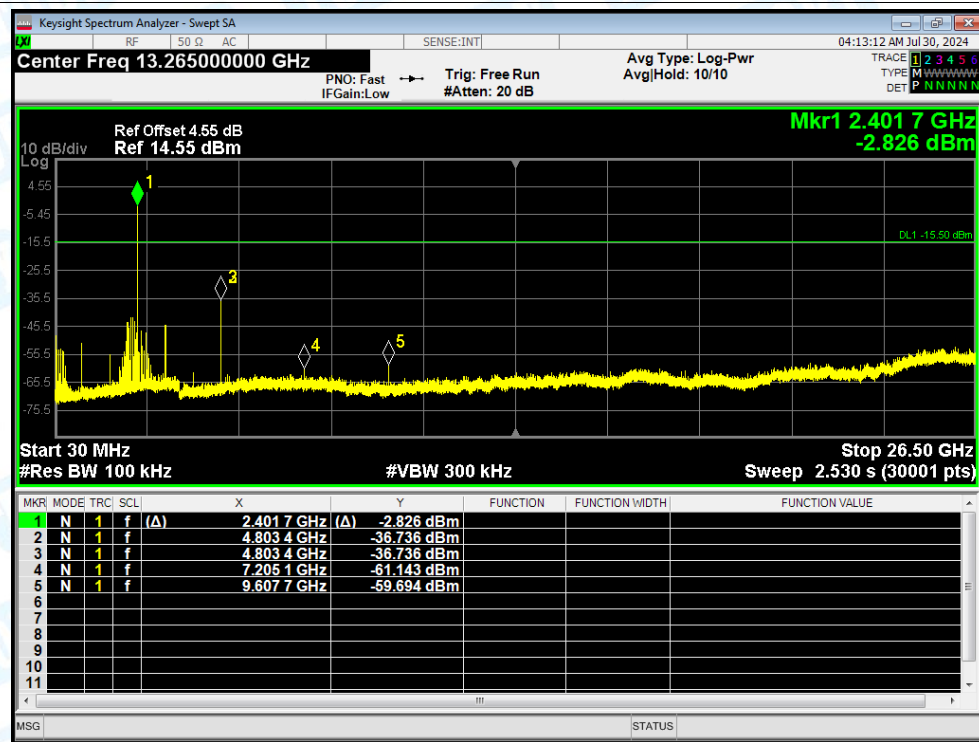
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission



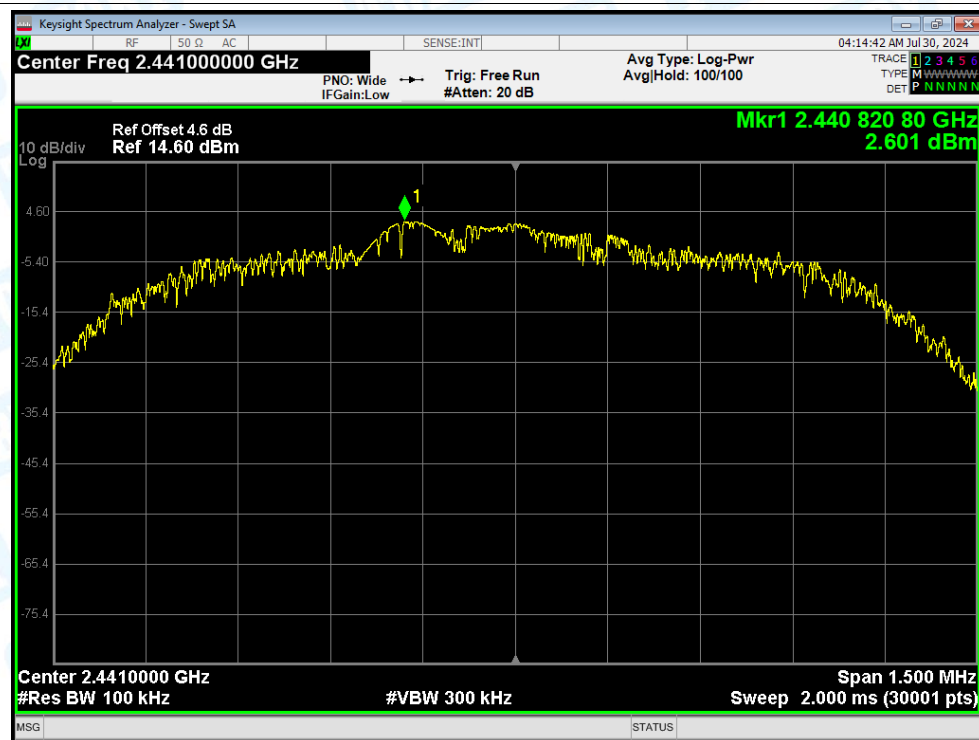
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Ref



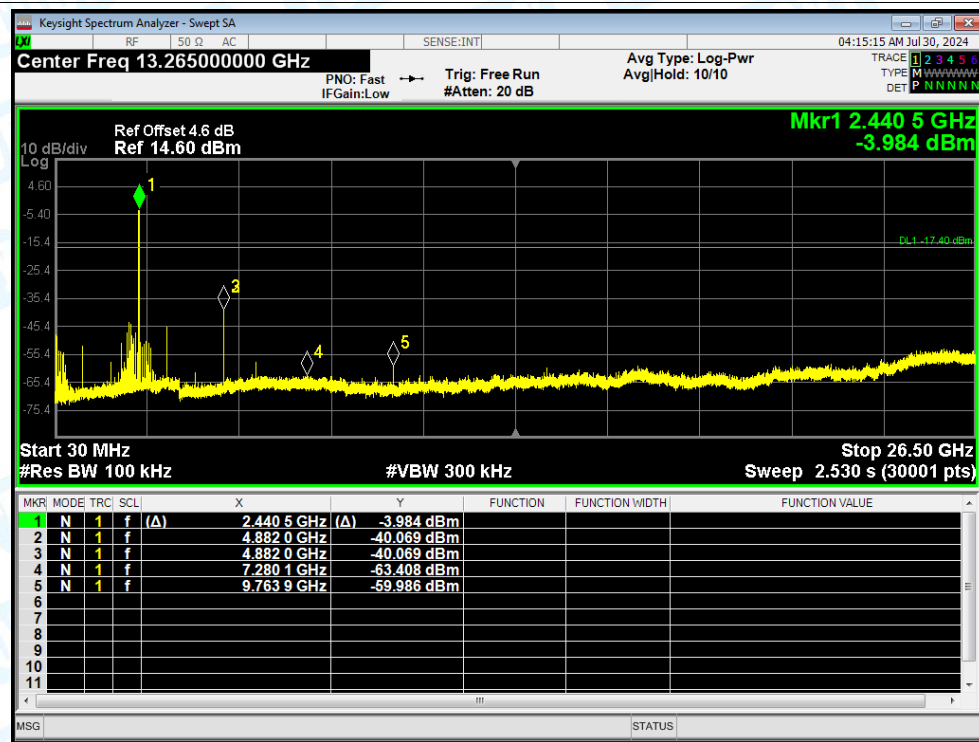
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Emission



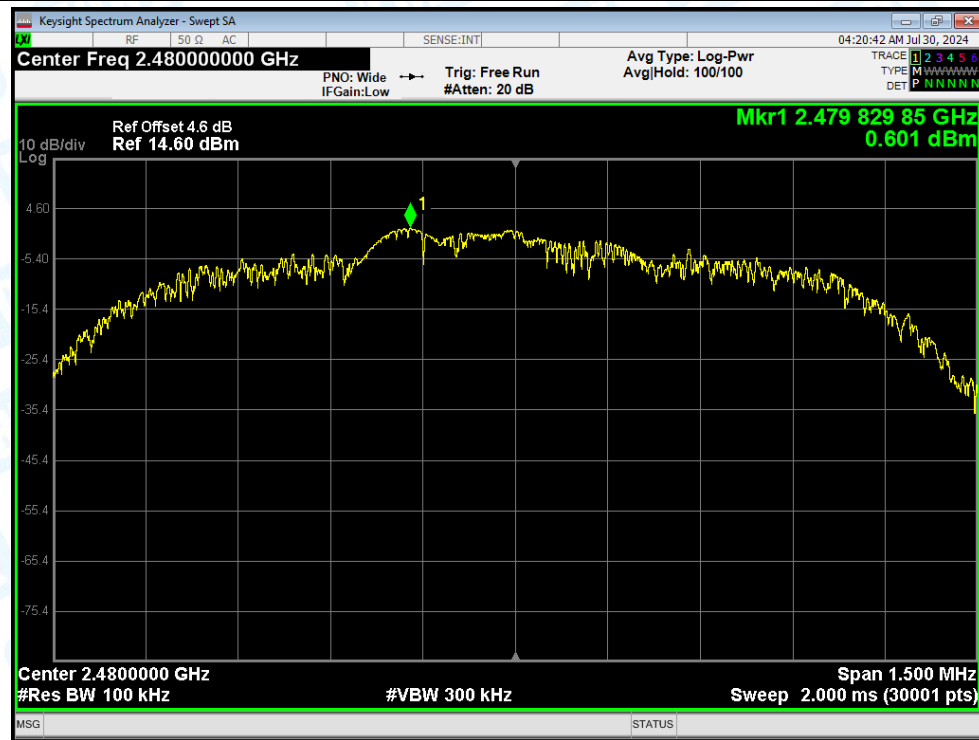
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Ref



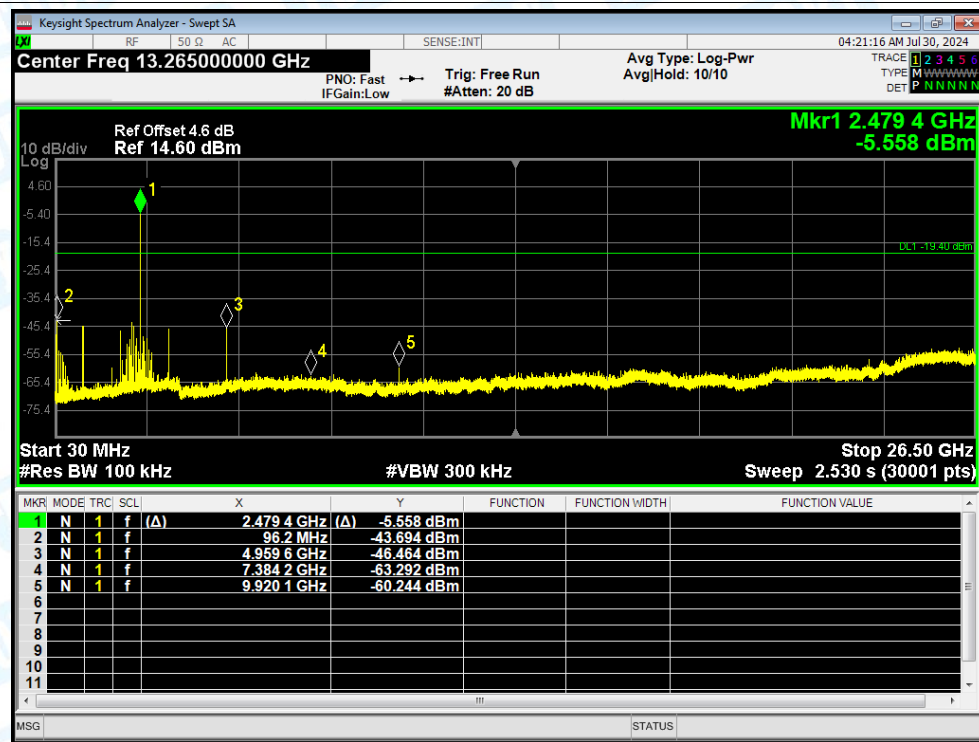
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission

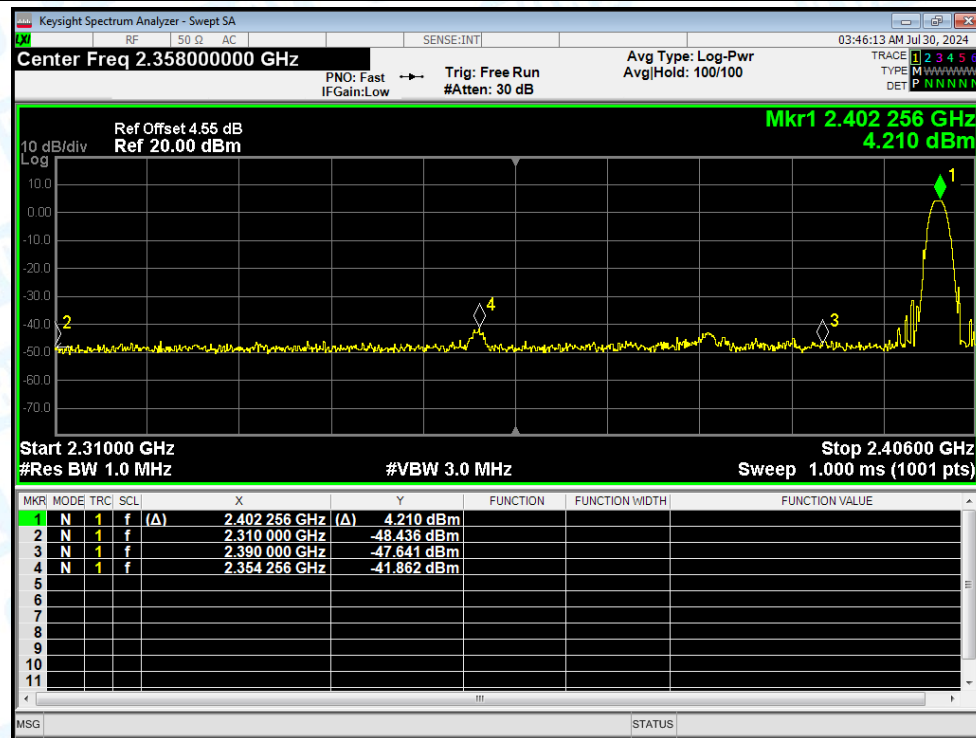


## 8. Restrict Band

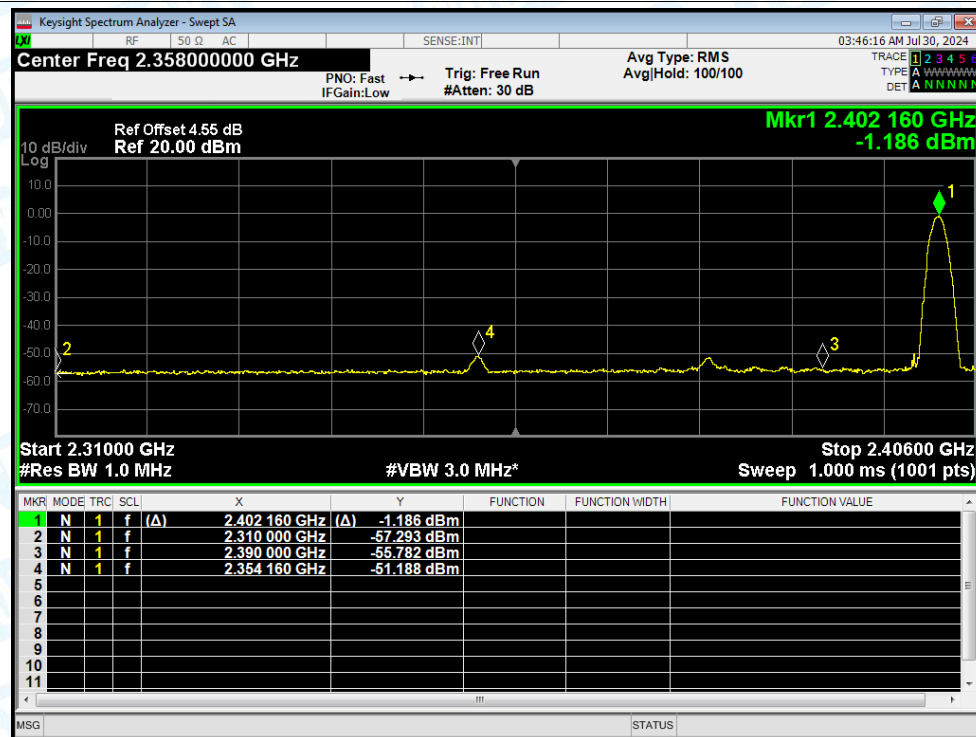
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Spur Freq (MHz) | Power (dBm) | Gain (dBi) | Duty Factor (dB) | E (dBuV/m) | Detector | Limit (dBuV/m) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|------------|------------------|------------|----------|----------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -48.44      | 2          | -                | 48.82      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -57.29      | 2          | 5.06             | 45.03      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2354.256        | -41.86      | 2          | -                | 55.4       | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2354.16         | -51.19      | 2          | 5.06             | 51.13      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -47.64      | 2          | -                | 49.62      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -55.78      | 2          | 5.06             | 46.54      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -48.24      | 2          | -                | 49.02      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -55.64      | 2          | 5.17             | 46.79      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2483.584        | -43.51      | 2          | -                | 53.75      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2484.952        | -54.91      | 2          | 5.17             | 47.52      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -47.14      | 2          | -                | 50.12      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -55.79      | 2          | 5.17             | 46.64      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -47.31      | 2          | -                | 49.95      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -56.49      | 2          | 5.06             | 45.83      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2353.872        | -42.59      | 2          | -                | 54.67      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2353.968        | -52.47      | 2          | 5.06             | 49.85      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -49.18      | 2          | -                | 48.08      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -56.39      | 2          | 5.06             | 45.93      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -46.38      | 2          | -                | 50.88      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -56.18      | 2          | 5.06             | 46.14      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2483.968        | -44.78      | 2          | -                | 52.48      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2485.432        | -54.72      | 2          | 5.06             | 47.6       | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -48.67      | 2          | -                | 48.59      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -55.96      | 2          | 5.06             | 46.36      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -48.75      | 2          | -                | 48.51      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -57.4       | 2          | 5.06             | 44.92      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2353.968        | -41.96      | 2          | -                | 55.3       | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2377.968        | -52.22      | 2          | 5.06             | 50.1       | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -48.6       | 2          | -                | 48.66      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -56.42      | 2          | 5.06             | 45.9       | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -48.3       | 2          | -                | 48.96      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -55.75      | 2          | 5.06             | 46.57      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2483.656        | -44.69      | 2          | -                | 52.57      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2485.264        | -54.67      | 2          | 5.06             | 47.65      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -47.74      | 2          | -                | 49.52      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -56.1       | 2          | 5.06             | 46.22      | Average  | 54             | Pass    |

### Test Graphs

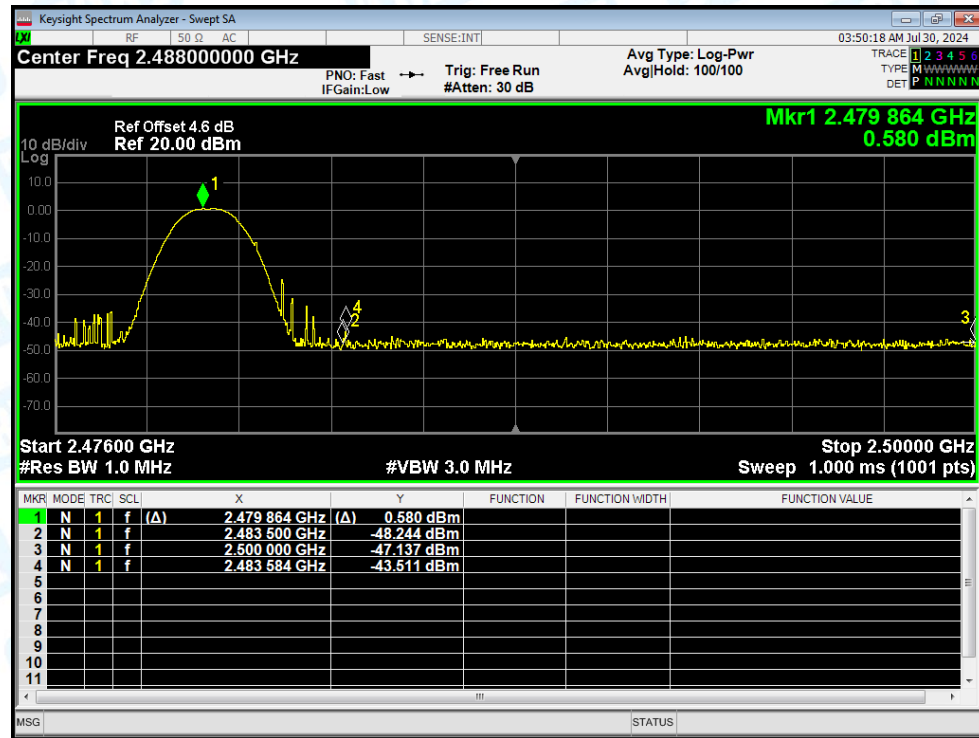
#### Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Peak



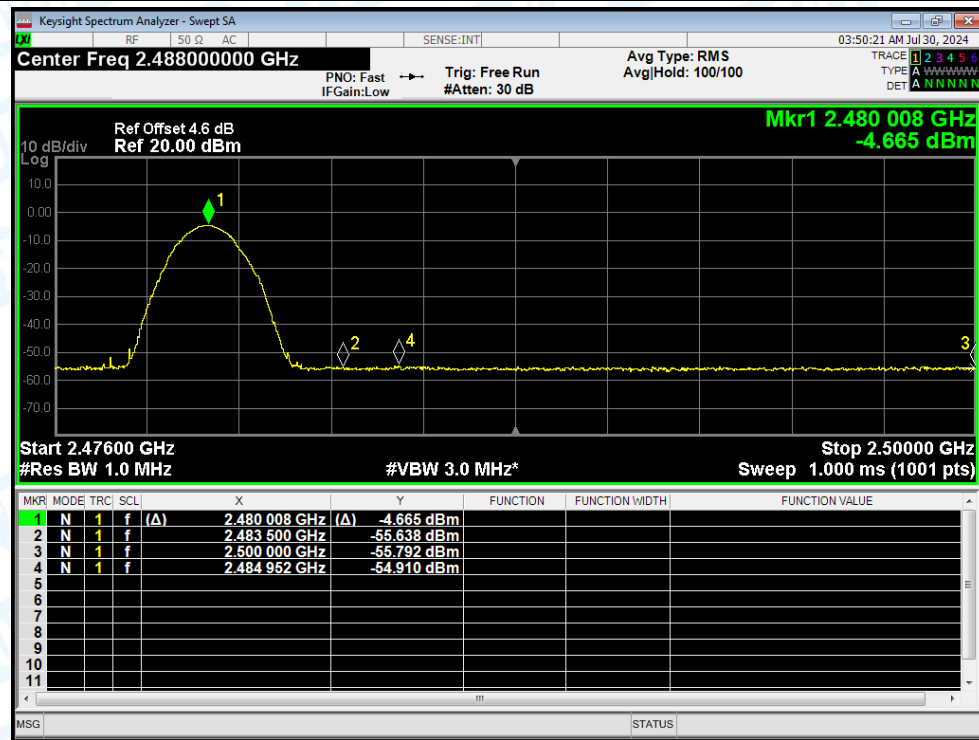
#### Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Average



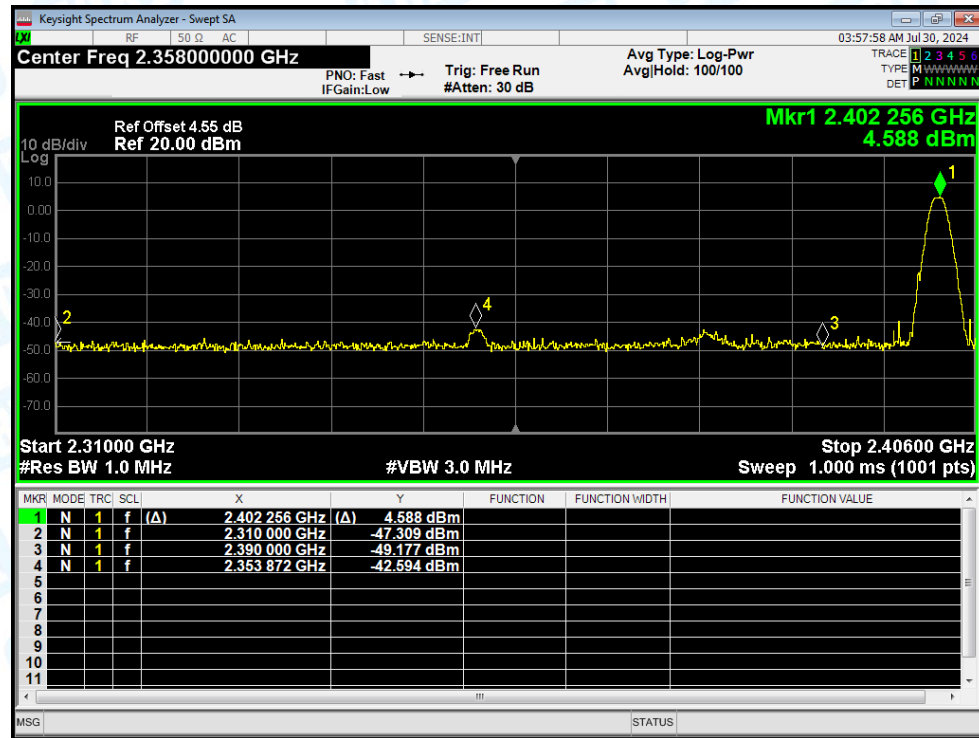
Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Peak



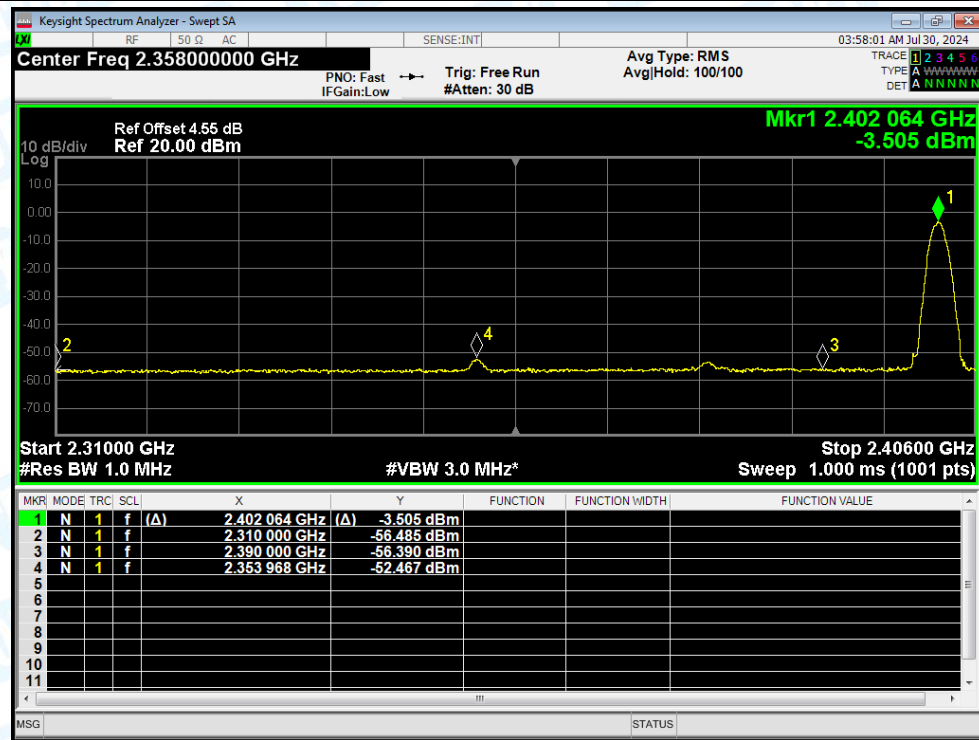
Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Average



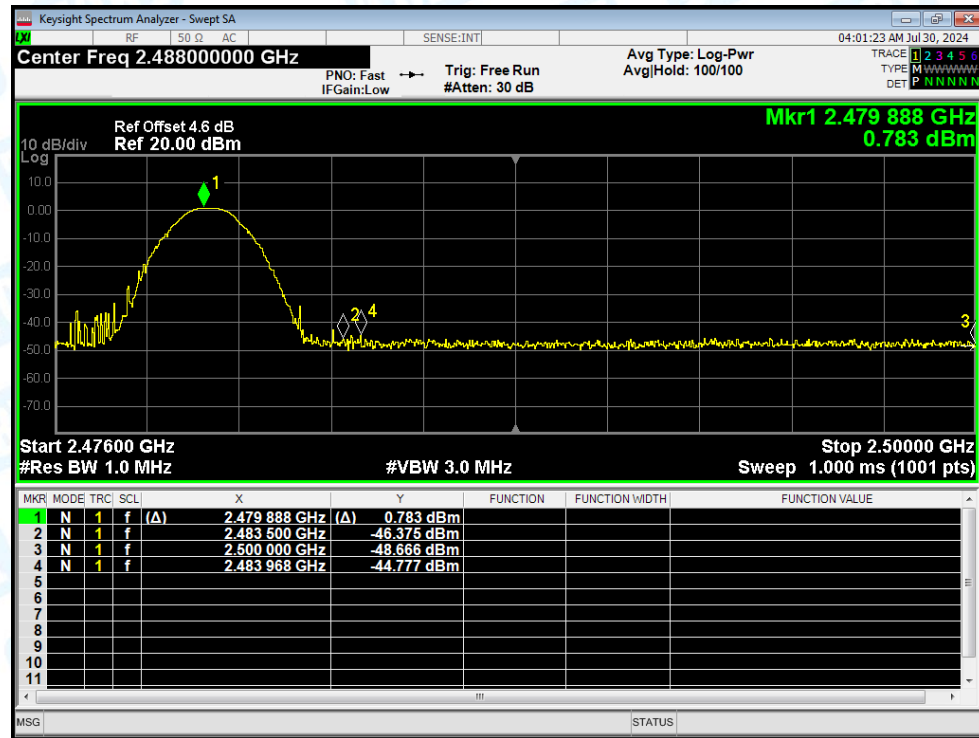
Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Peak



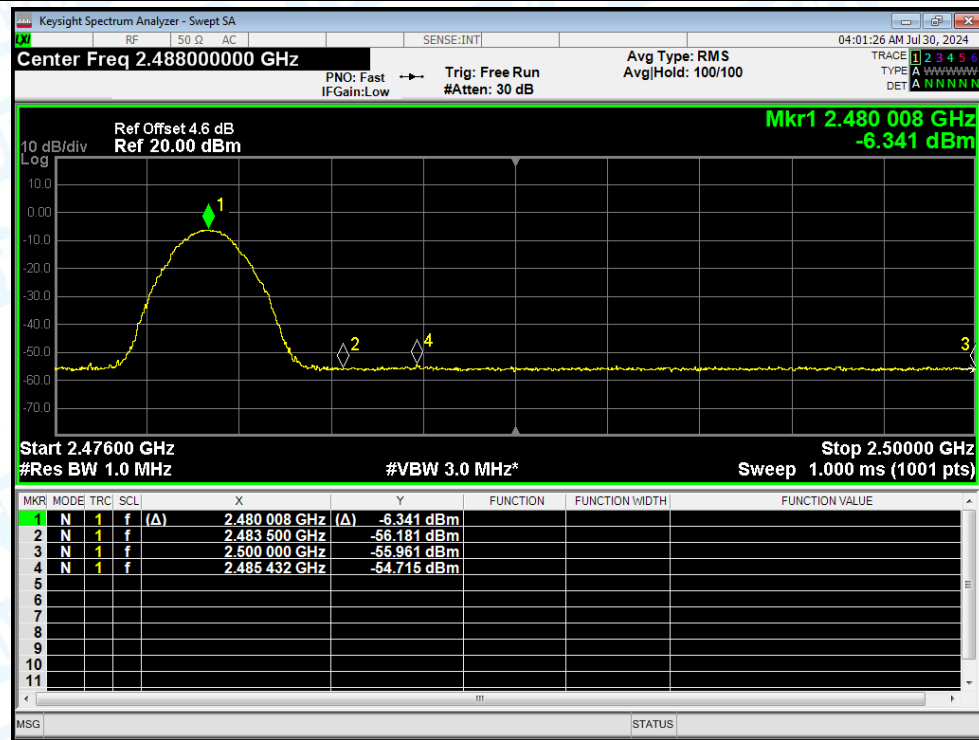
Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Average



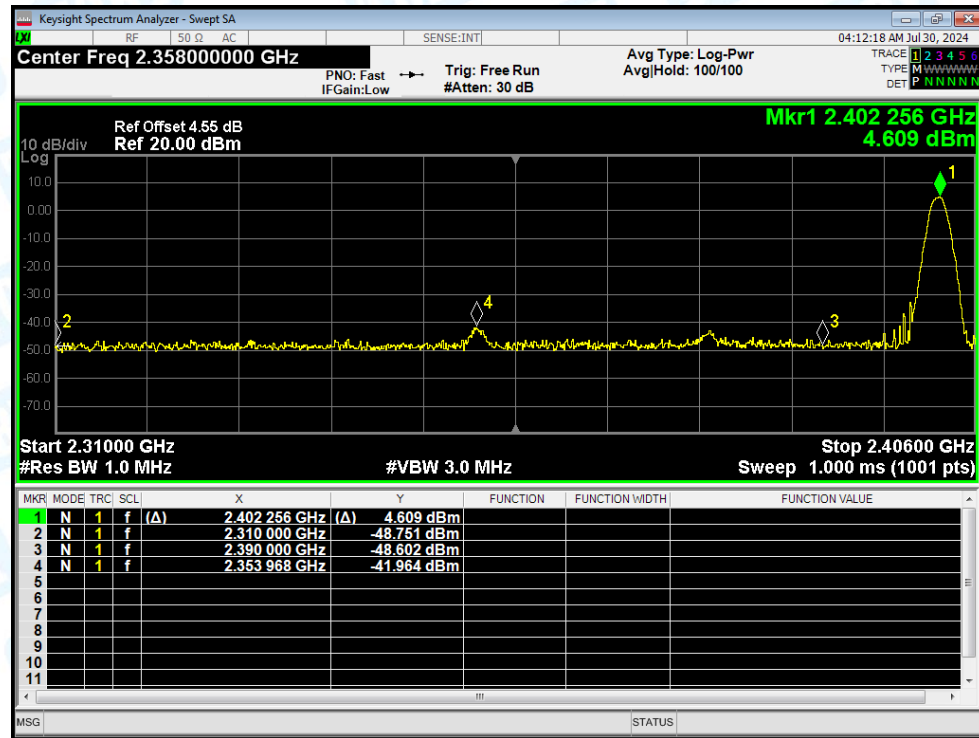
Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Peak



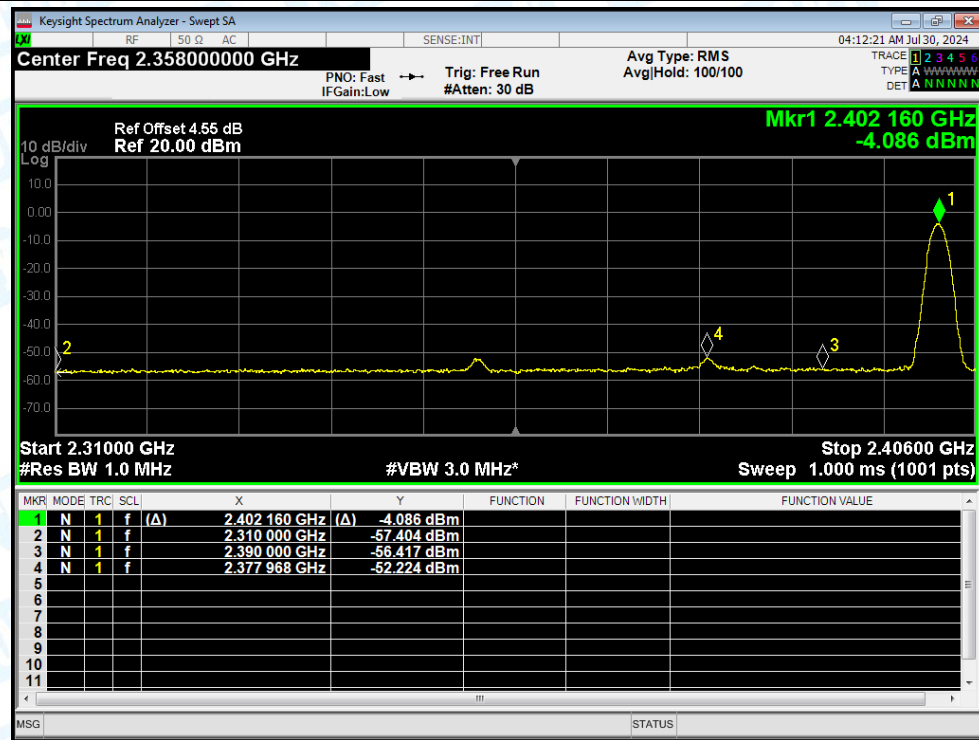
Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Average



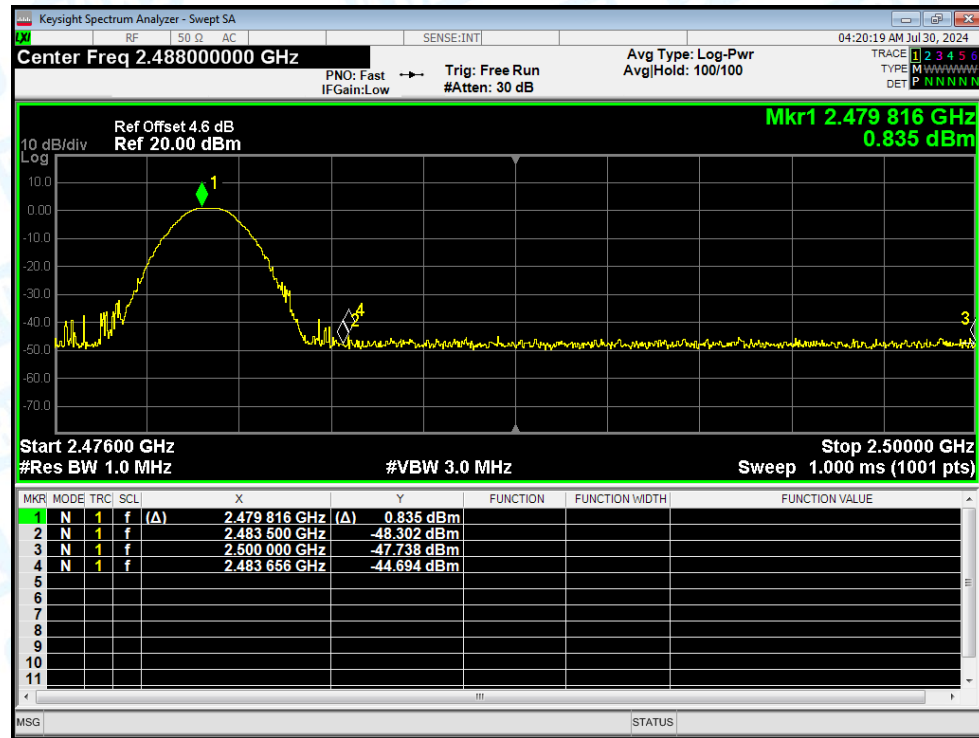
Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Peak



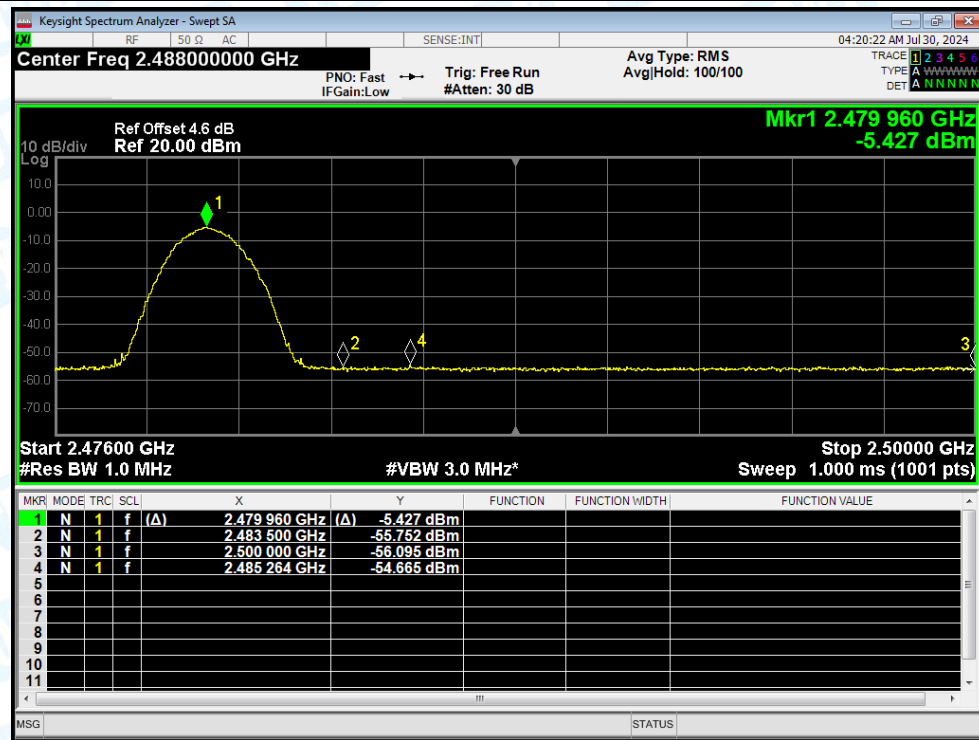
Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Average



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



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

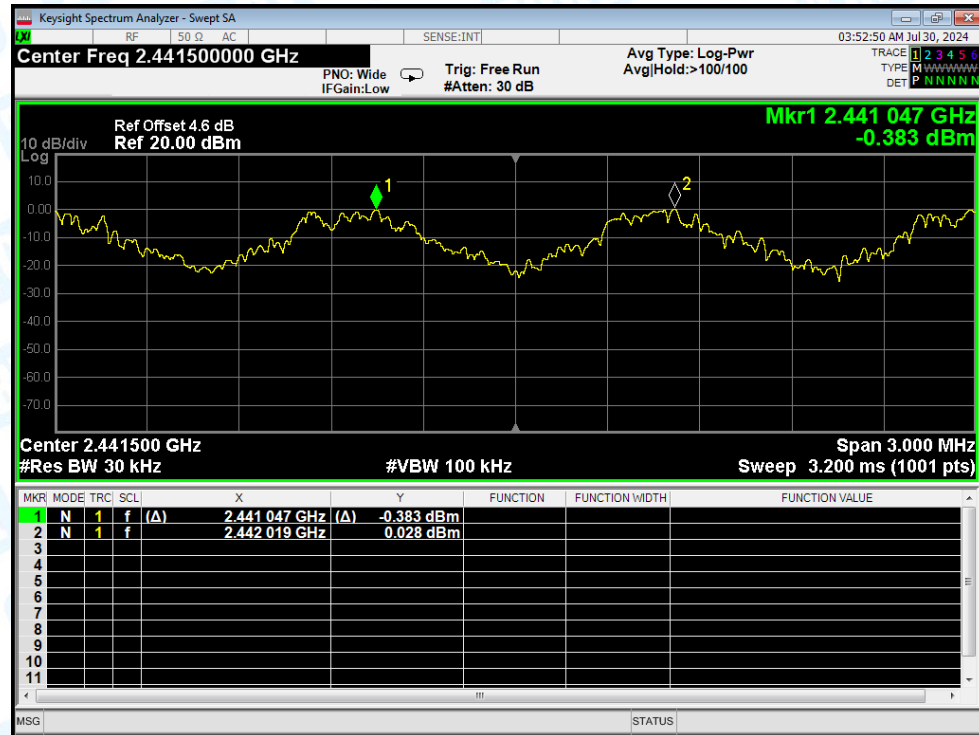


## 9. Carrier Frequencies Separation

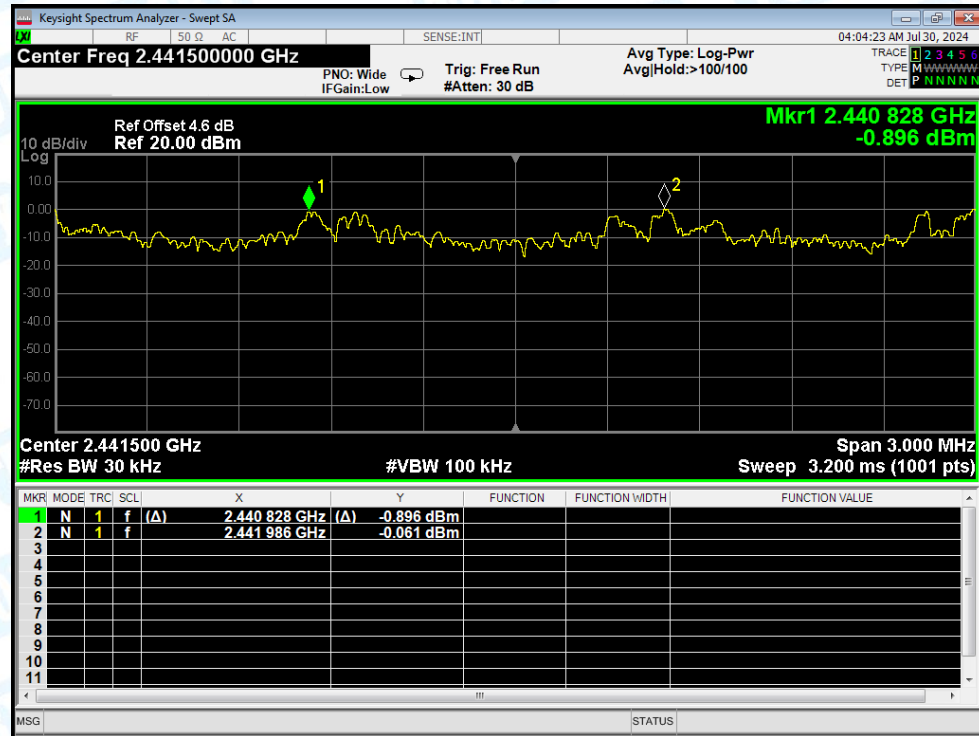
| Condition | Mode  | Antenna | Hopping Freq1 (MHz) | Hopping Freq2 (MHz) | HFS (MHz) | Limit (MHz) | Verdict |
|-----------|-------|---------|---------------------|---------------------|-----------|-------------|---------|
| NVNT      | 1-DH1 | Ant1    | 2441.047            | 2442.019            | 0.972     | 0.627       | Pass    |
| NVNT      | 2-DH1 | Ant1    | 2440.828            | 2441.986            | 1.158     | 0.82        | Pass    |
| NVNT      | 3-DH1 | Ant1    | 2440.993            | 2441.986            | 0.993     | 0.833       | Pass    |

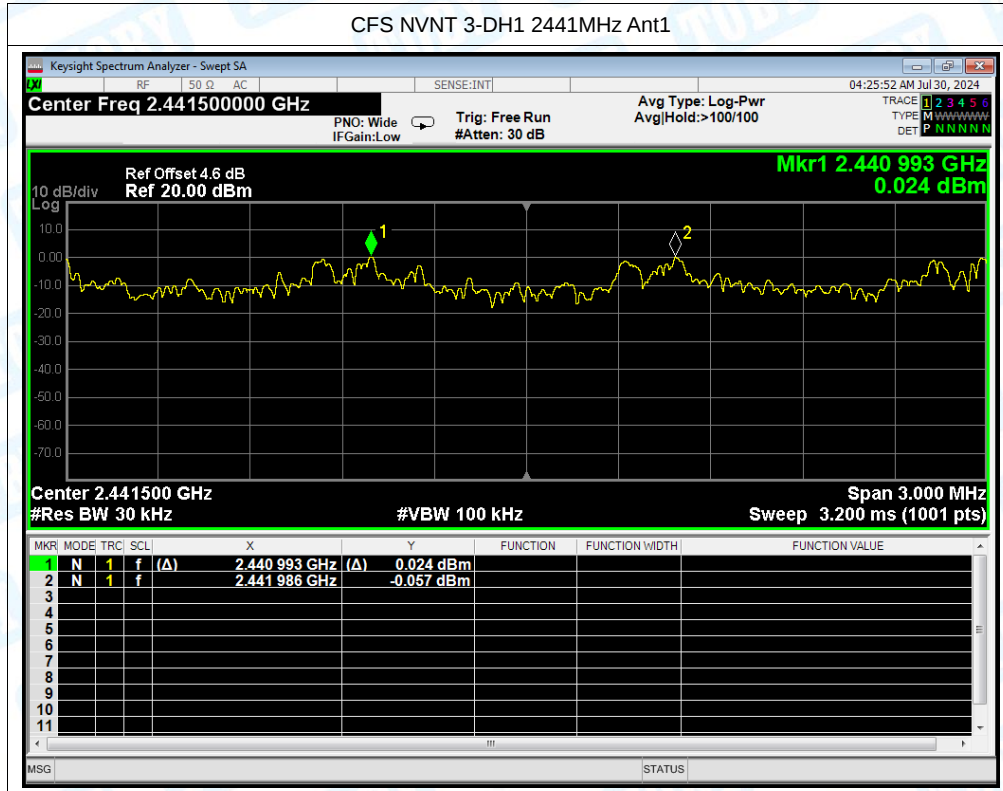
### Test Graphs

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



#### CFS NVNT 2-DH1 2441MHz Ant1



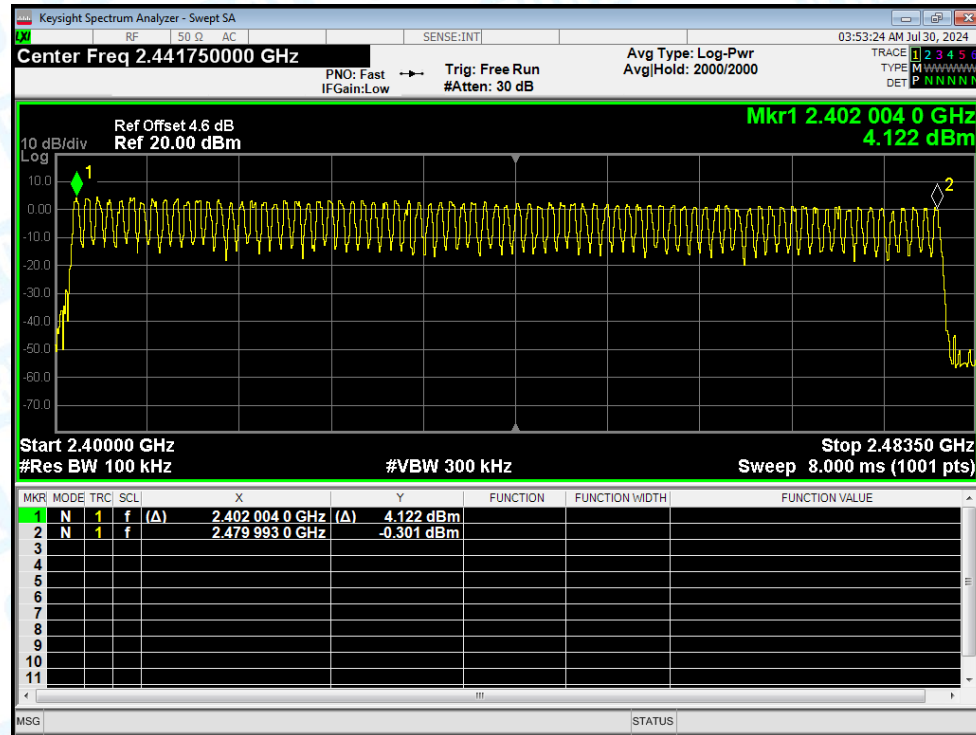


## 10. Number of Hopping Channel

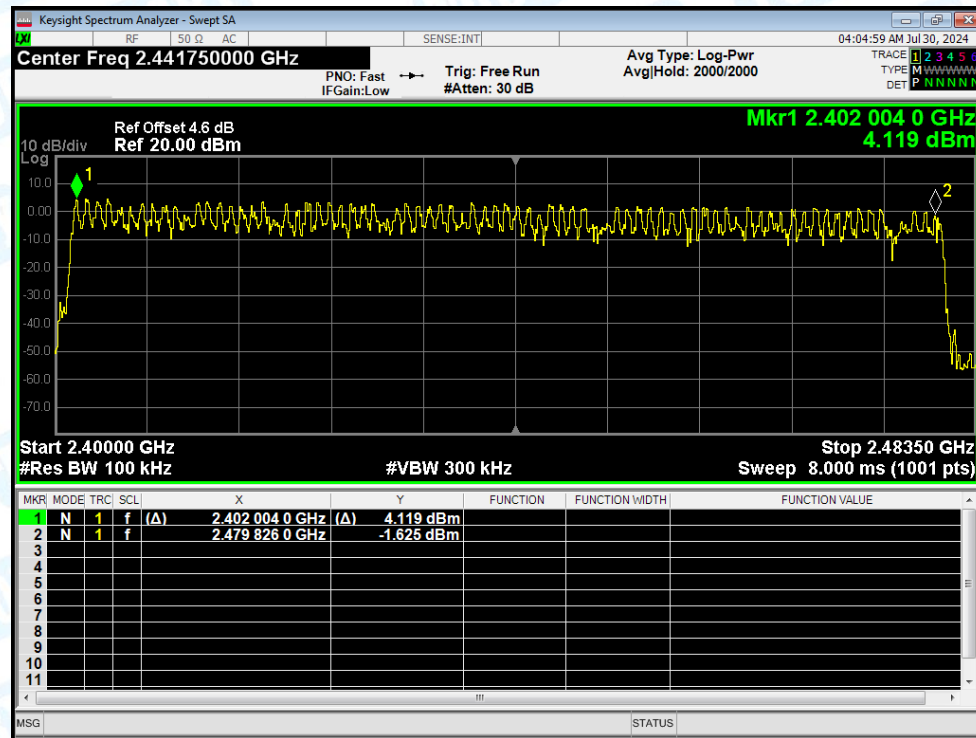
| Condition | Mode  | Antenna | Hopping Number | Limit | Verdict |
|-----------|-------|---------|----------------|-------|---------|
| NVNT      | 1-DH1 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 2-DH1 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 3-DH1 | Ant1    | 79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

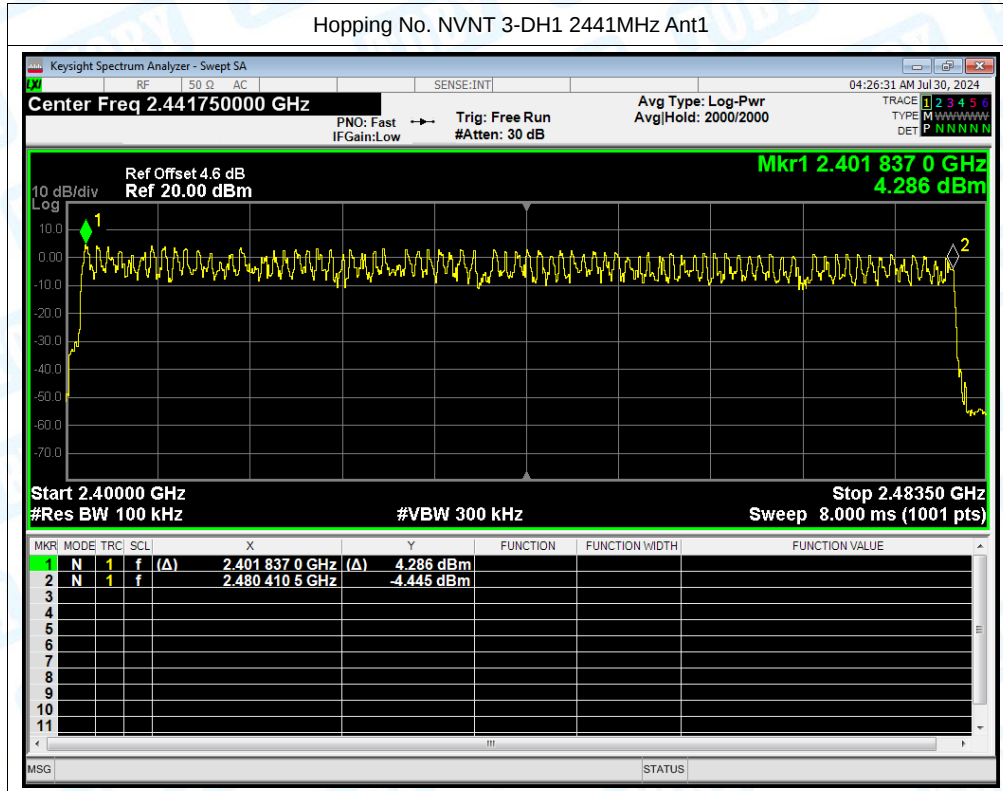
### Test Graphs

Hopping No. NVNT 1-DH1 2441MHz Ant1



Hopping No. NVNT 2-DH1 2441MHz Ant1

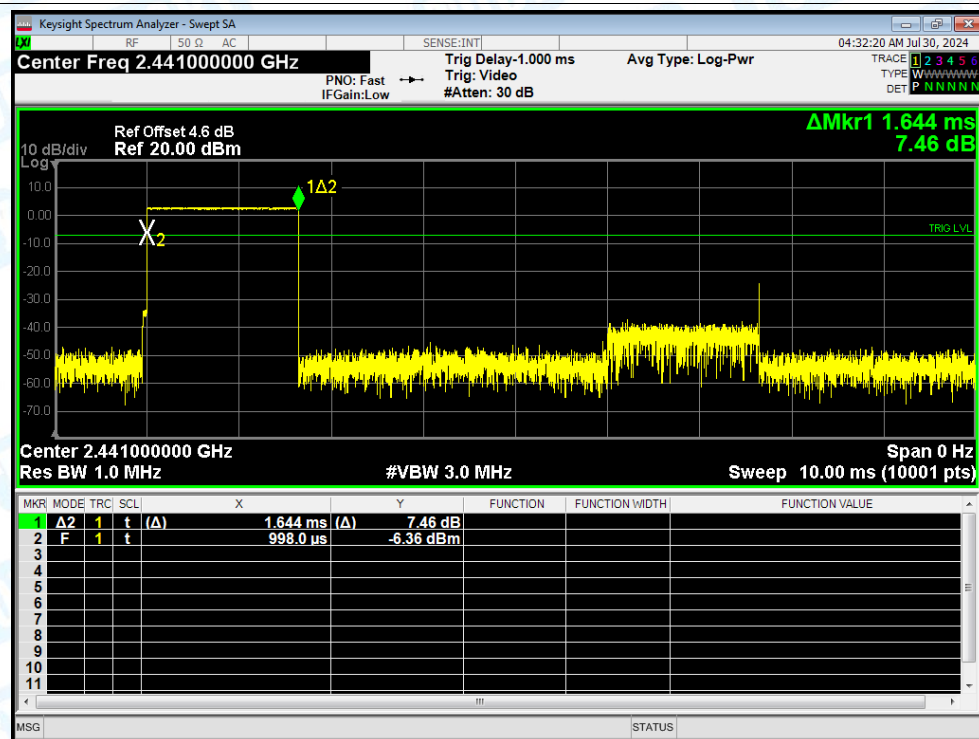
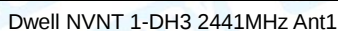




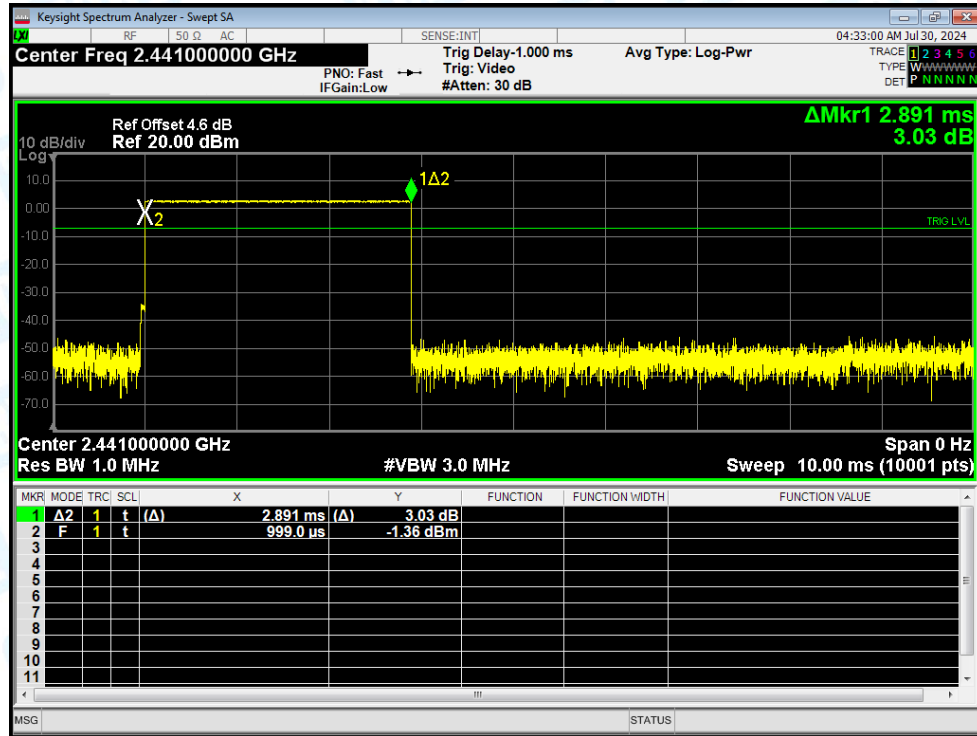
## 11. Dwell Time

| Condition | Mode  | Frequency (MHz) | Antenna | Pulse Time (ms) | Total Dwell Time (ms) | Period Time (ms) | Limit (ms) | Verdict |
|-----------|-------|-----------------|---------|-----------------|-----------------------|------------------|------------|---------|
| NVNT      | 1-DH1 | 2441            | Ant1    | 0.379           | 121.28                | 31600            | 400        | Pass    |
| NVNT      | 1-DH3 | 2441            | Ant1    | 1.644           | 263.04                | 31600            | 400        | Pass    |
| NVNT      | 1-DH5 | 2441            | Ant1    | 2.891           | 308.373               | 31600            | 400        | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | 0.386           | 123.52                | 31600            | 400        | Pass    |
| NVNT      | 2-DH3 | 2441            | Ant1    | 1.638           | 262.08                | 31600            | 400        | Pass    |
| NVNT      | 2-DH5 | 2441            | Ant1    | 2.886           | 307.84                | 31600            | 400        | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | 0.387           | 123.84                | 31600            | 400        | Pass    |
| NVNT      | 3-DH3 | 2441            | Ant1    | 1.636           | 261.76                | 31600            | 400        | Pass    |
| NVNT      | 3-DH5 | 2441            | Ant1    | 2.888           | 308.053               | 31600            | 400        | Pass    |

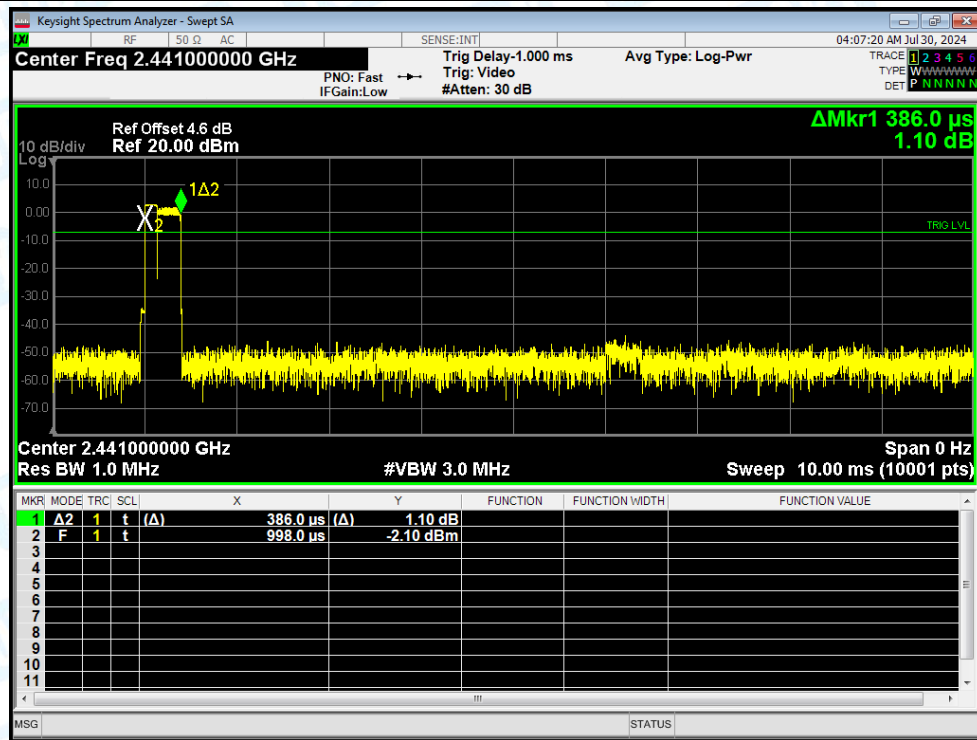
## Dwell NVNT 1-DH1 2441MHz Ant1



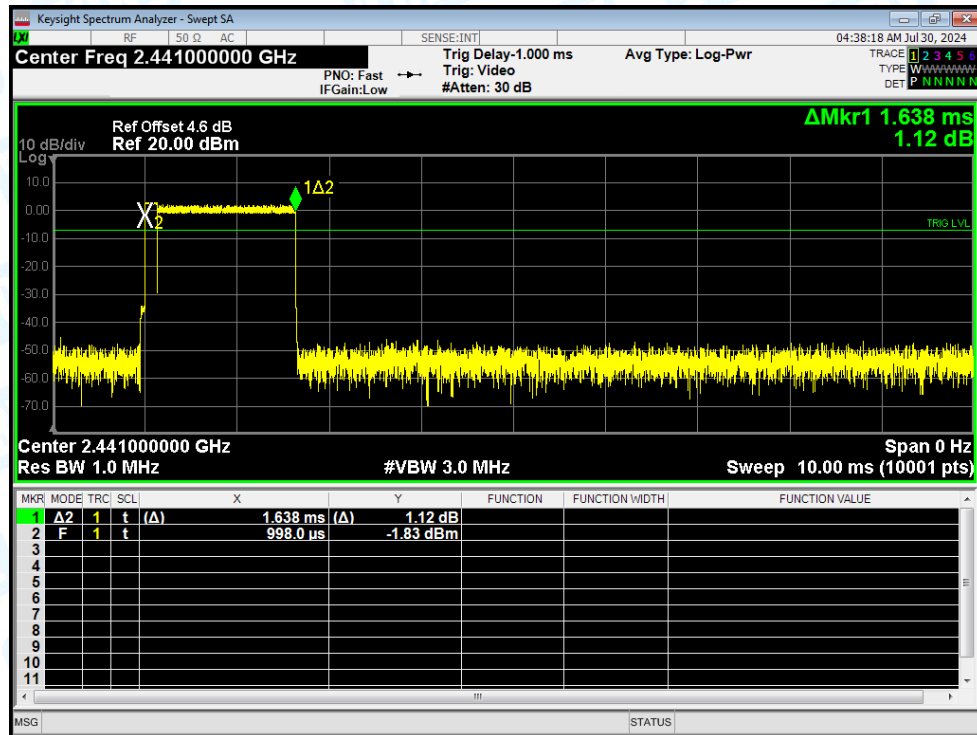
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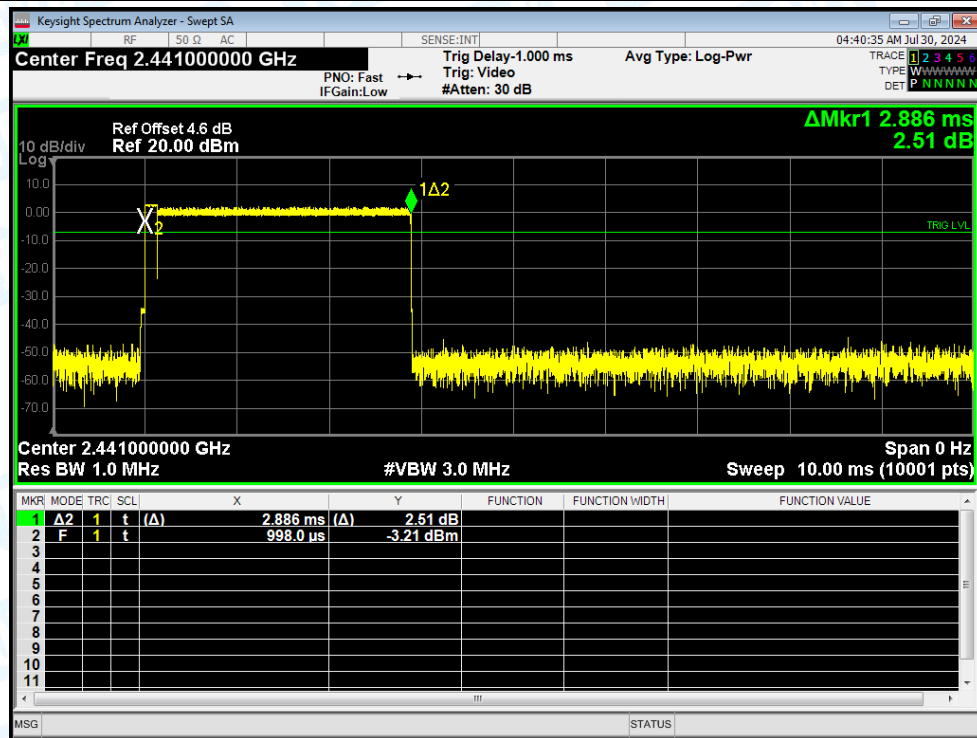
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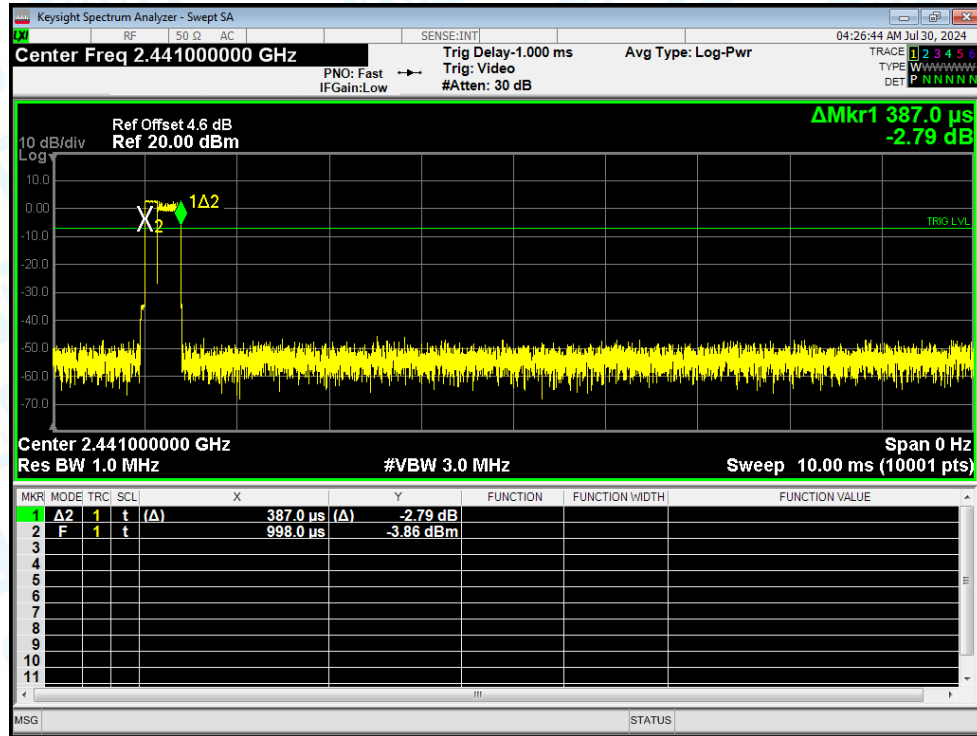
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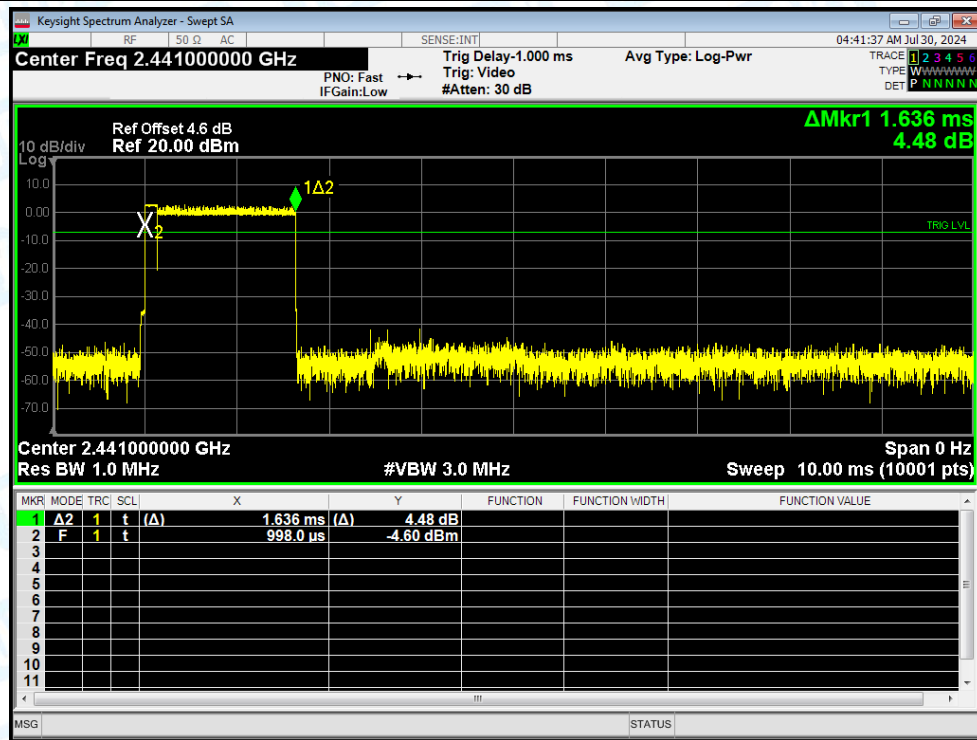
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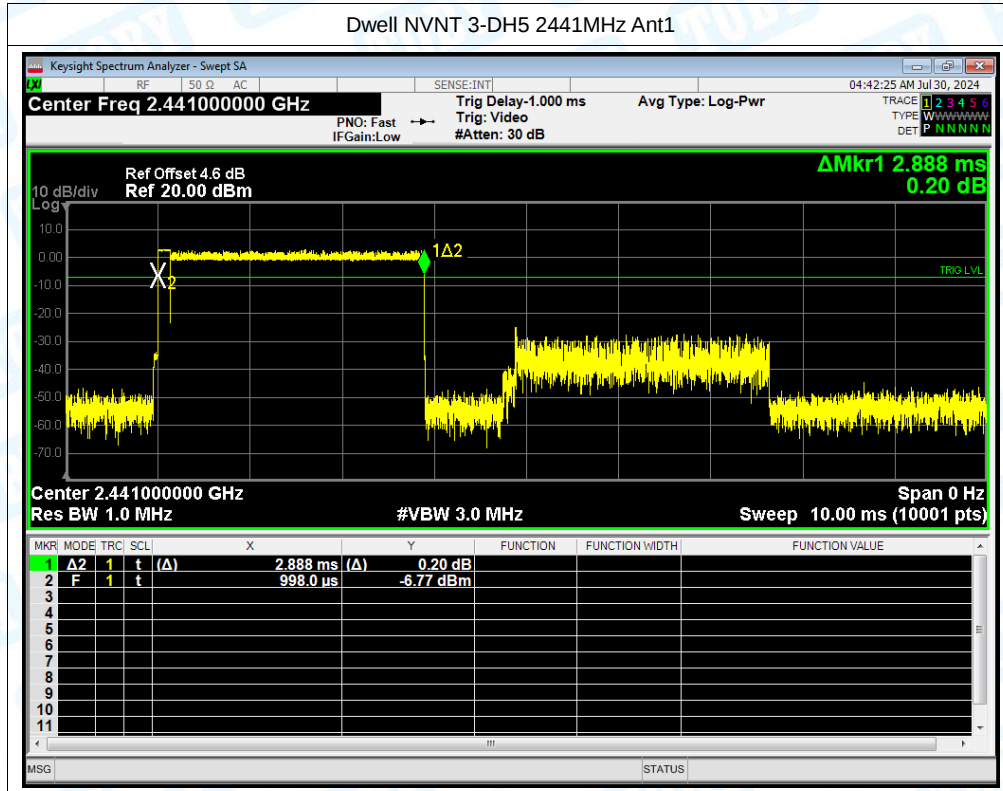


Dwell NVNT 3-DH1 2441MHz Ant1



Dwell NVNT 3-DH3 2441MHz Ant1





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