

# RF Test Data for Bluetooth (Conducted Measurements)

| General Description of EUT                                                                                                                   |                        |
|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Product Name:                                                                                                                                | SMART WATCH            |
| Test Model:                                                                                                                                  | H12                    |
| Sample ID:                                                                                                                                   | HC-C-202504-0141-01-01 |
| Environmental Conditions                                                                                                                     |                        |
| Temperature:                                                                                                                                 | 25.2℃                  |
| Relative Humidity:                                                                                                                           | 48.6%                  |
| Test Voltage:                                                                                                                                | DC 3.7V                |
| Test Engineer:                                                                                                                               | Lily zhang             |
| Note: For a more detailed features description, please refer to the report TBR-C-202504-0141-20<br>The report only show the worst case data. |                        |



## Contents

|     |                                      |    |
|-----|--------------------------------------|----|
| 1.  | Duty Cycle .....                     | 3  |
| 2.  | Maximum Conducted Output Power ..... | 9  |
| 3.  | -20dB Bandwidth .....                | 15 |
| 4.  | Occupied Channel Bandwidth .....     | 21 |
| 5.  | Band Edge .....                      | 27 |
| 6.  | Band Edge(Hopping) .....             | 34 |
| 7.  | Conducted RF Spurious Emission ..... | 41 |
| 8.  | Restrict Band .....                  | 51 |
| 9.  | Carrier Frequencies Separation ..... | 58 |
| 10. | Number of Hopping Channel .....      | 61 |
| 11. | Dwell Time .....                     | 64 |

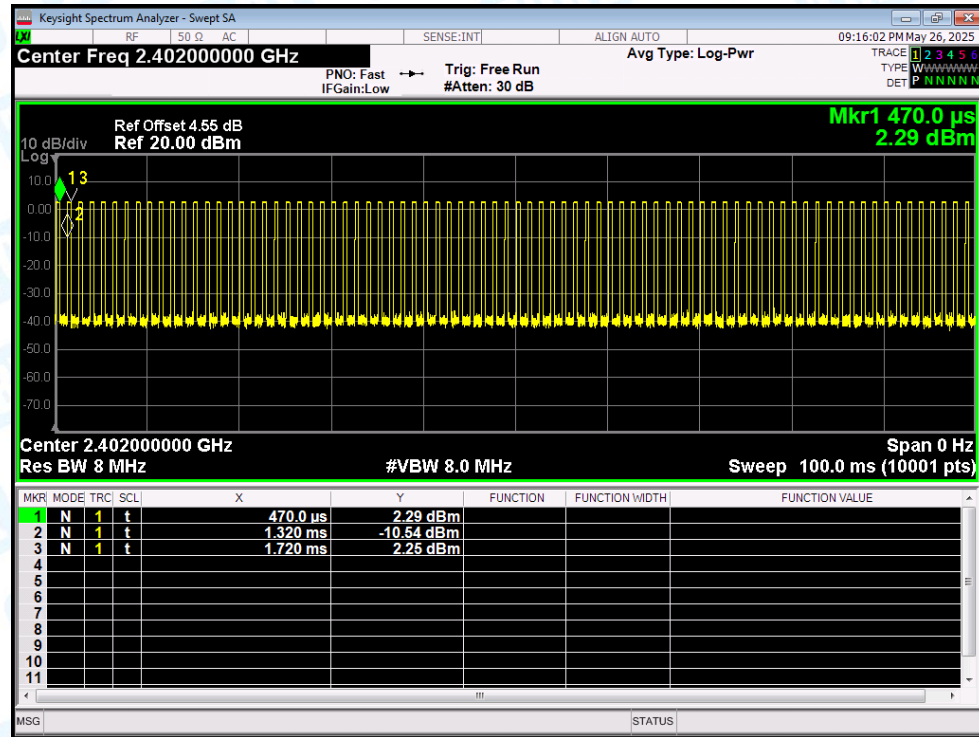


## 1. Duty Cycle

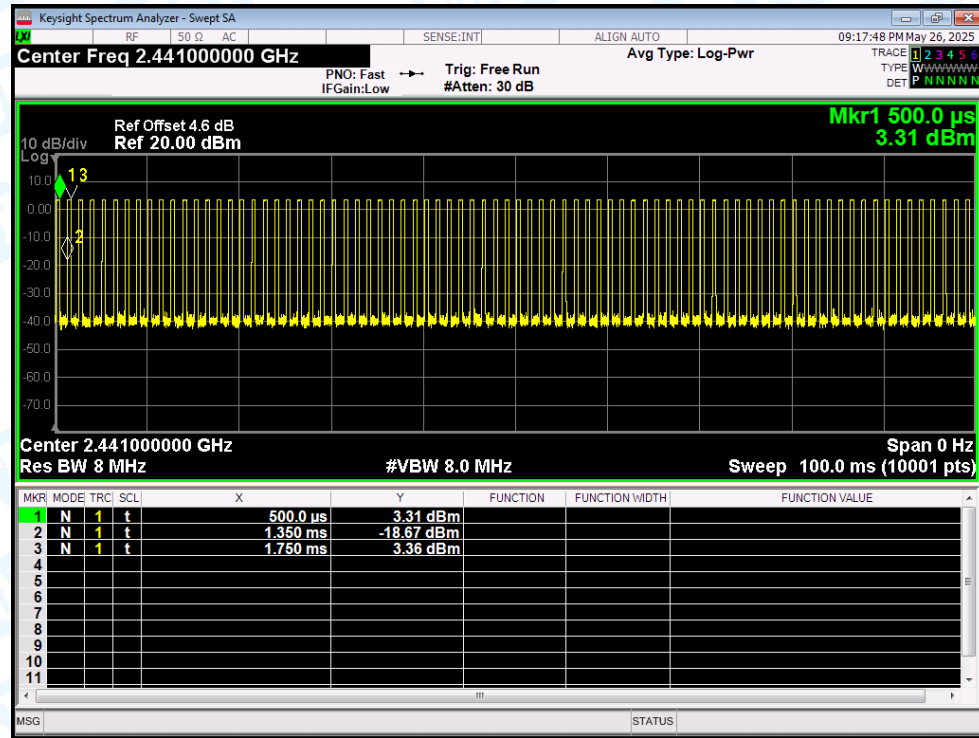
| Condition | Mode  | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|-------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 32             | 4.95                   | 2.5       |
| NVNT      | 1-DH1 | 2441            | Ant1    | 32             | 4.95                   | 2.5       |
| NVNT      | 1-DH1 | 2480            | Ant1    | 32             | 4.95                   | 2.5       |
| NVNT      | 2-DH1 | 2402            | Ant1    | 32.8           | 4.84                   | 2.44      |
| NVNT      | 2-DH1 | 2441            | Ant1    | 32.8           | 4.84                   | 2.44      |
| NVNT      | 2-DH1 | 2480            | Ant1    | 32.8           | 4.84                   | 2.44      |
| NVNT      | 3-DH1 | 2402            | Ant1    | 32.8           | 4.84                   | 2.44      |
| NVNT      | 3-DH1 | 2441            | Ant1    | 32             | 4.95                   | 2.5       |
| NVNT      | 3-DH1 | 2480            | Ant1    | 32.8           | 4.84                   | 2.44      |

### Test Graphs

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

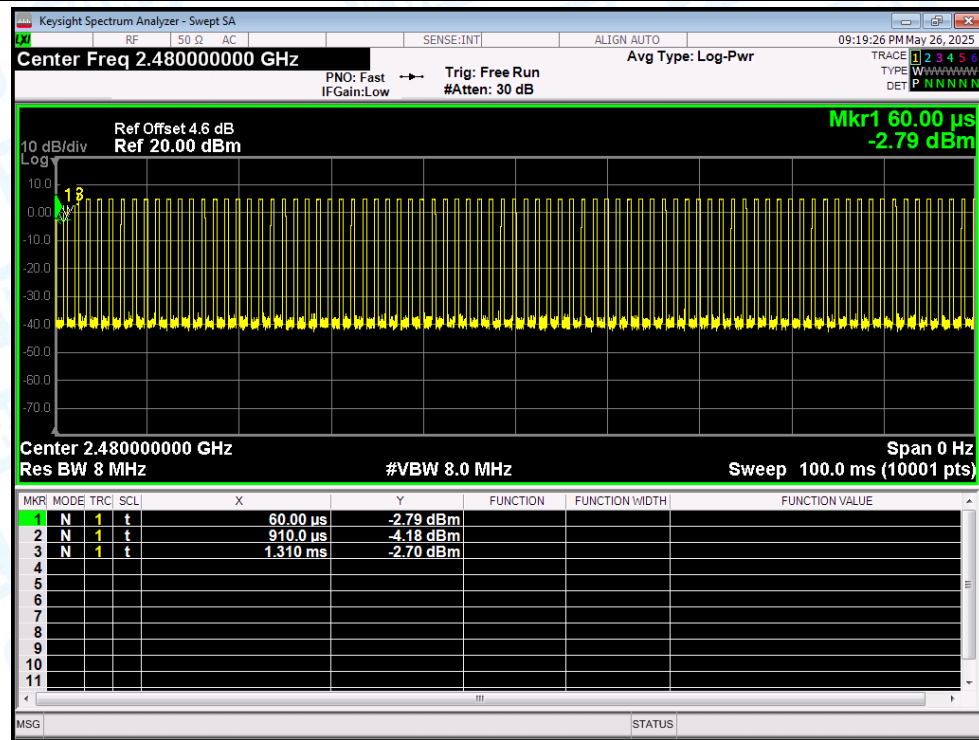


#### Duty Cycle NVNT 1-DH1 2441MHz Ant1

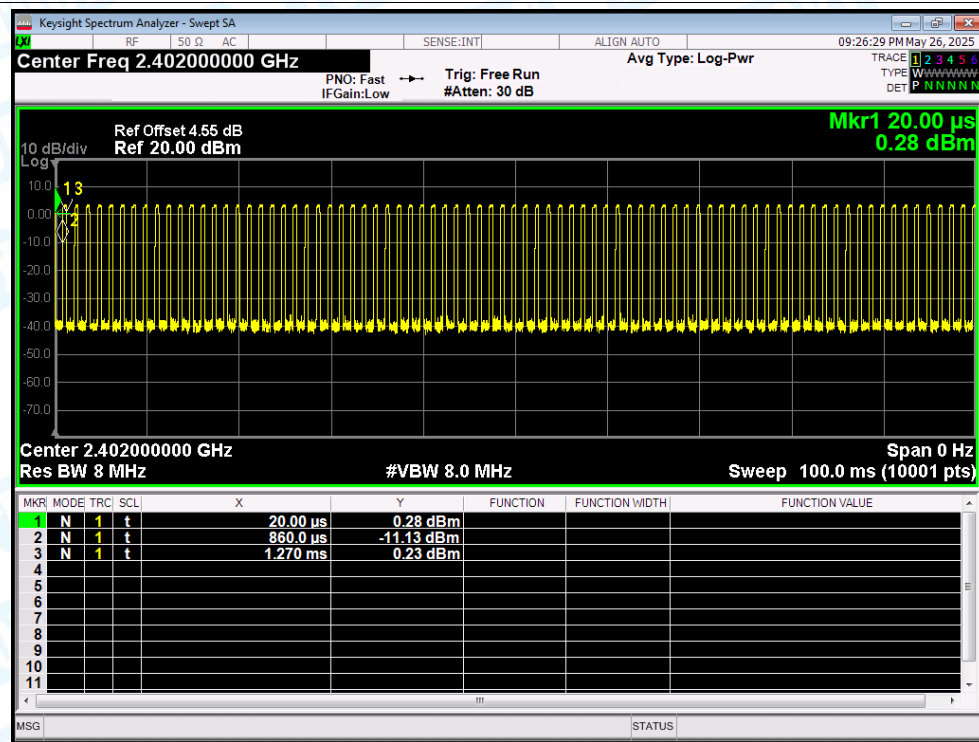




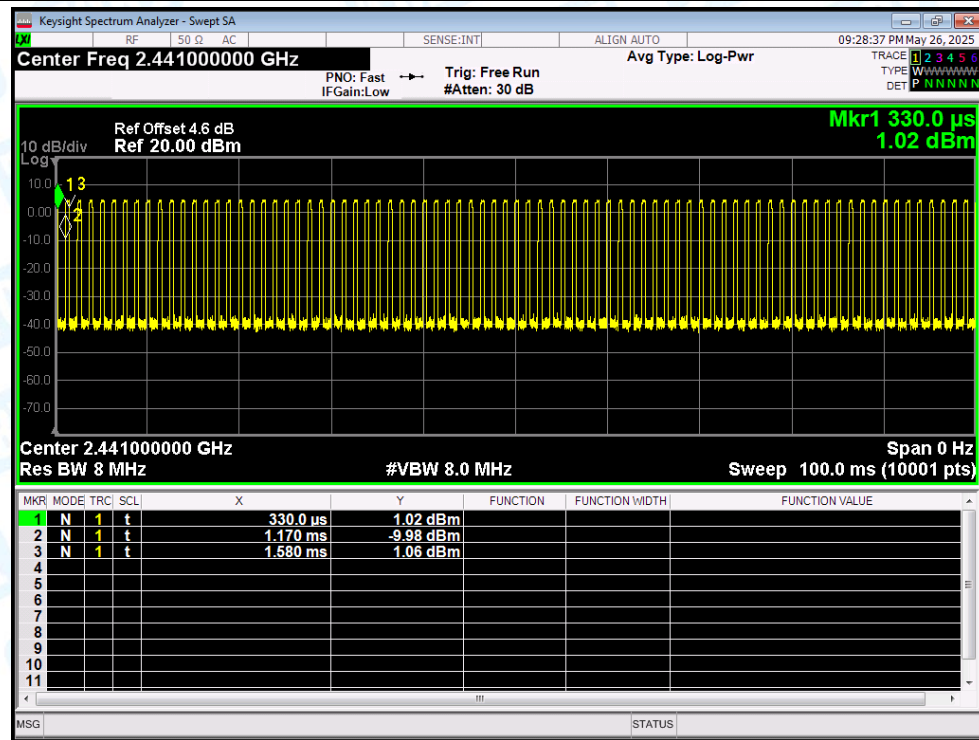
### Duty Cycle NVNT 1-DH1 2480MHz Ant1



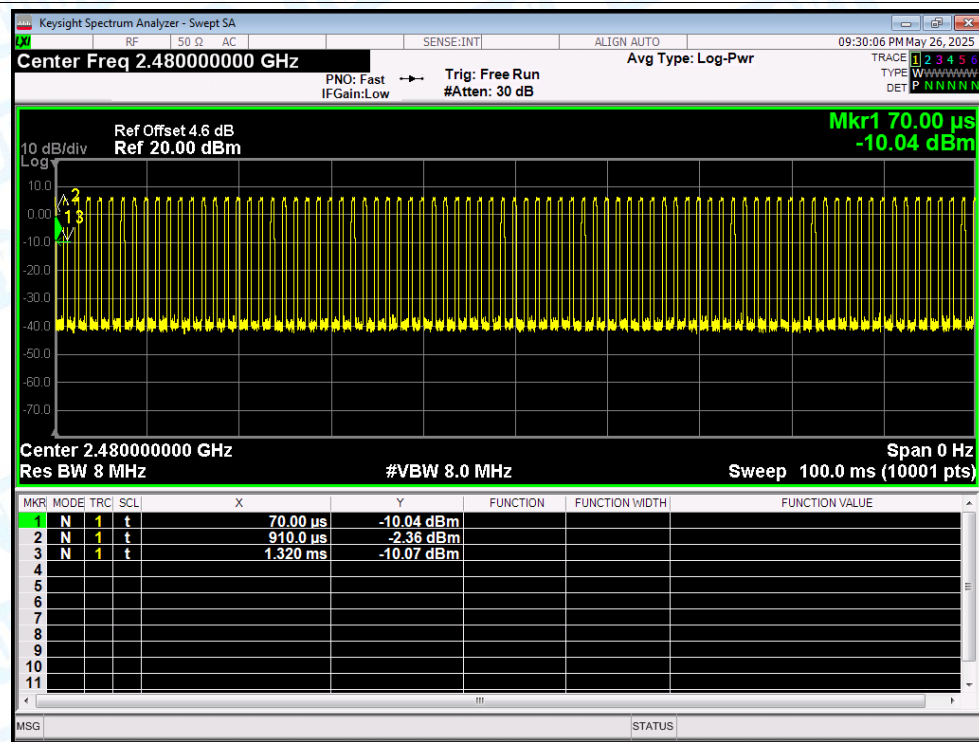
### Duty Cycle NVNT 2-DH1 2402MHz Ant1



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

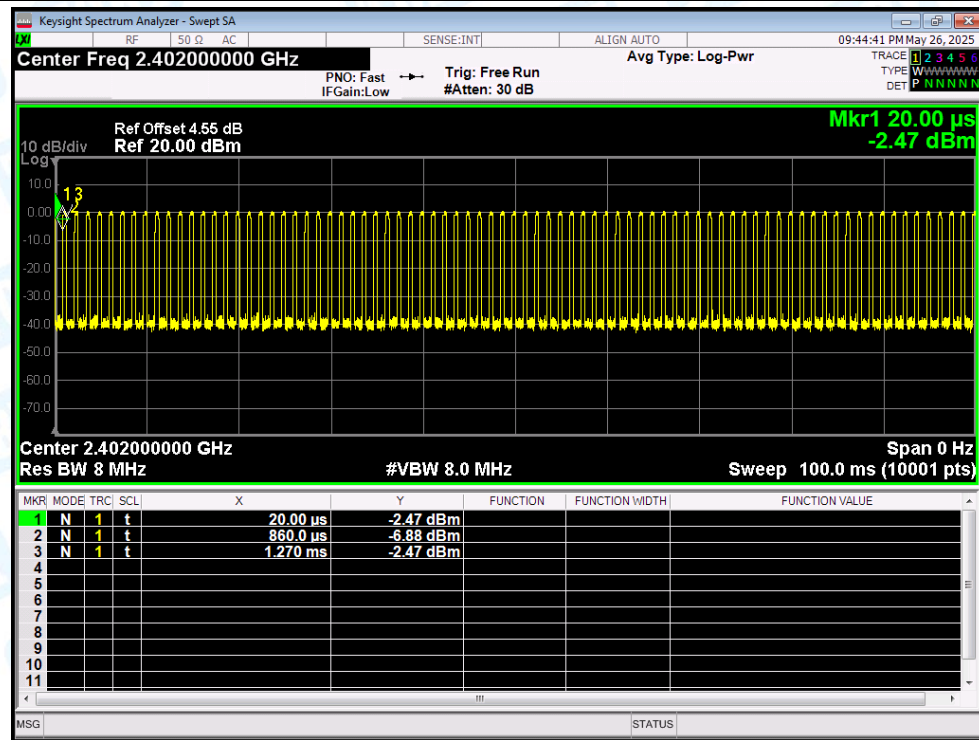


### Duty Cycle NVNT 2-DH1 2480MHz Ant1

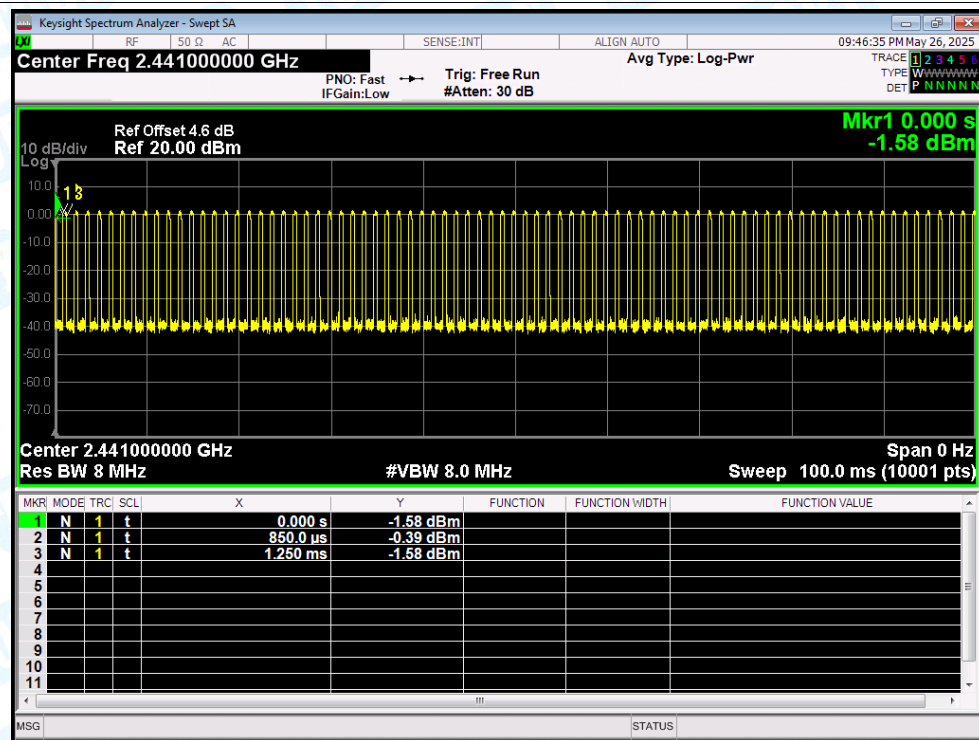


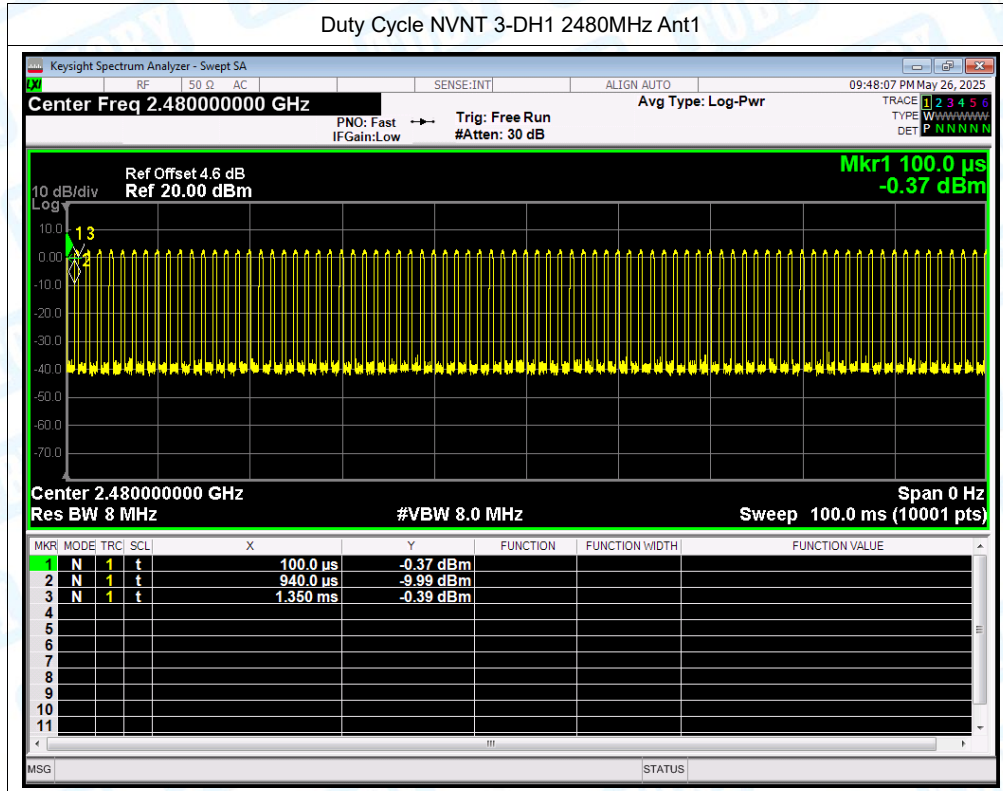


### Duty Cycle NVNT 3-DH1 2402MHz Ant1



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





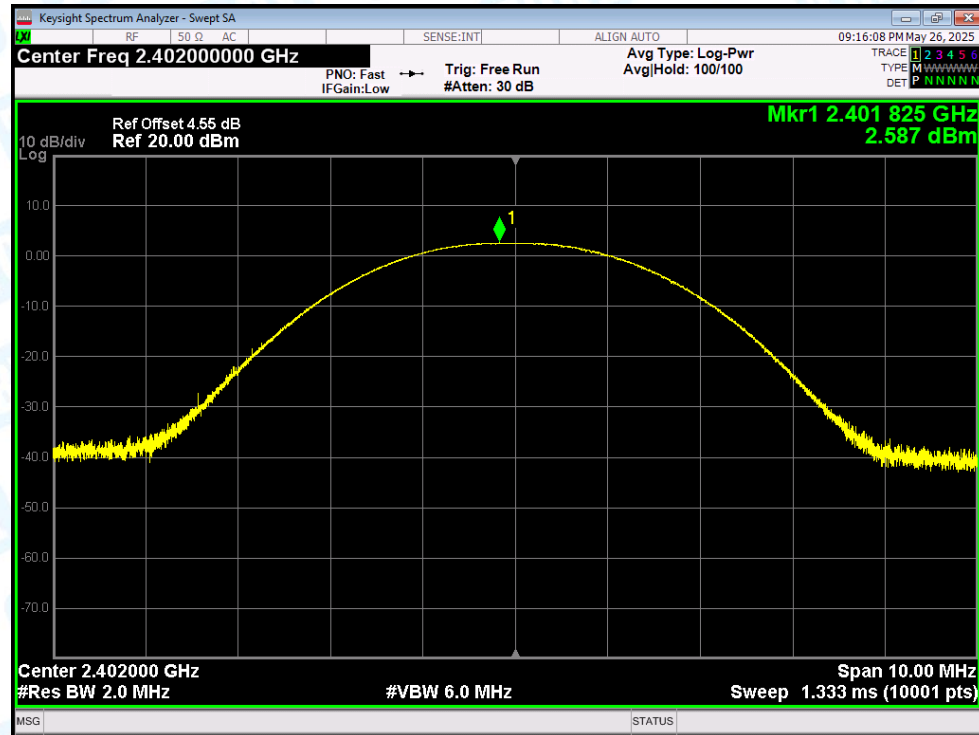


## 2. Maximum Conducted Output Power

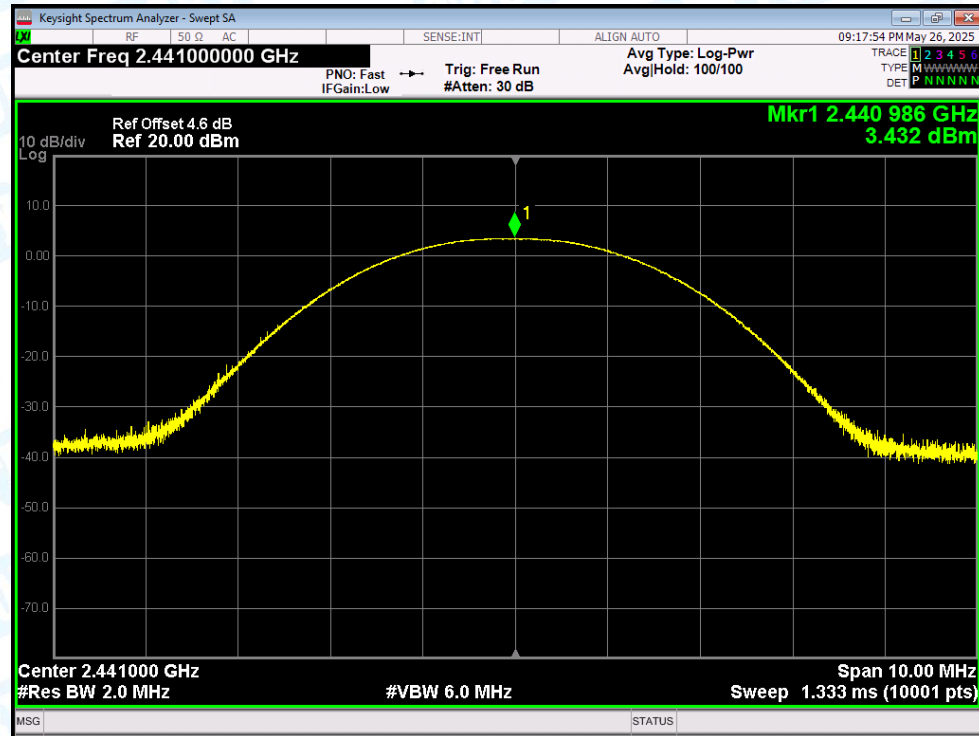
| Condition | Mode  | Frequency (MHz) | Antenna | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|-------|-----------------|---------|-------------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 2.587             | 21          | Pass    |
| NVNT      | 1-DH1 | 2441            | Ant1    | 3.432             | 21          | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | 4.814             | 21          | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | 3.164             | 21          | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | 4.162             | 21          | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | 5.653             | 21          | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | 0.241             | 21          | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | 1.151             | 21          | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | 2.541             | 21          | Pass    |

### Test Graphs

Power NVNT 1-DH1 2402MHz Ant1

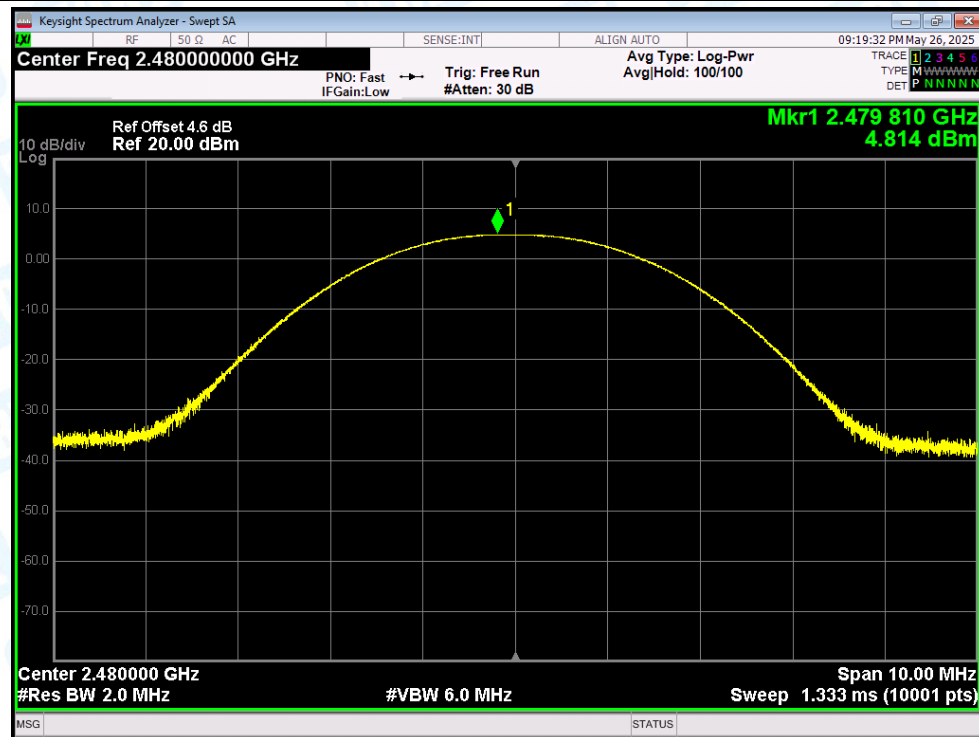


Power NVNT 1-DH1 2441MHz Ant1

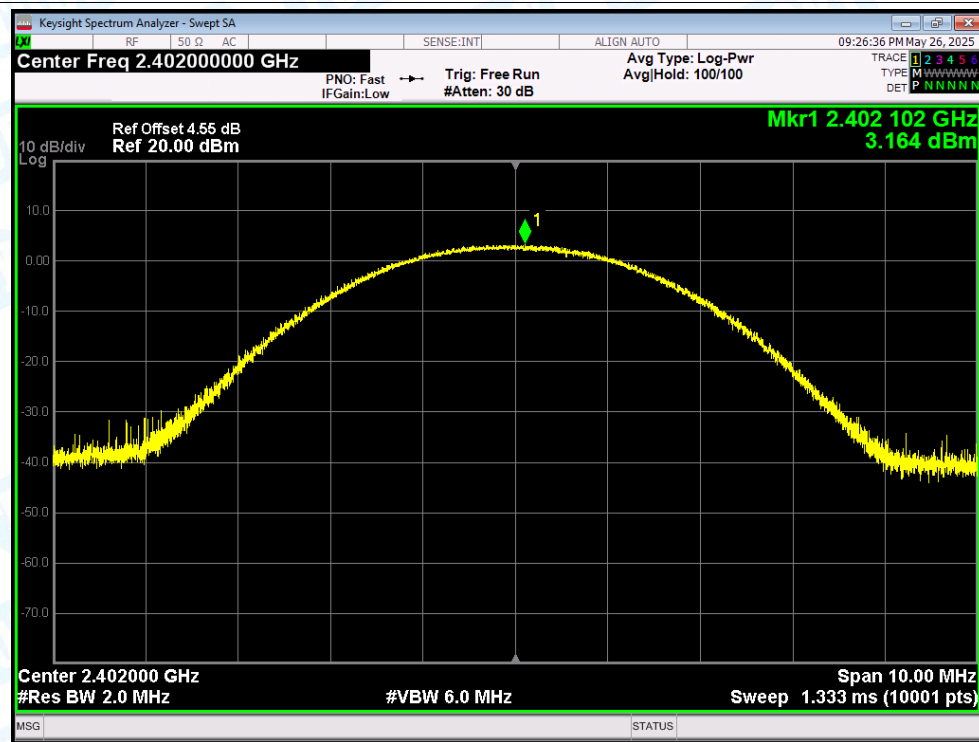




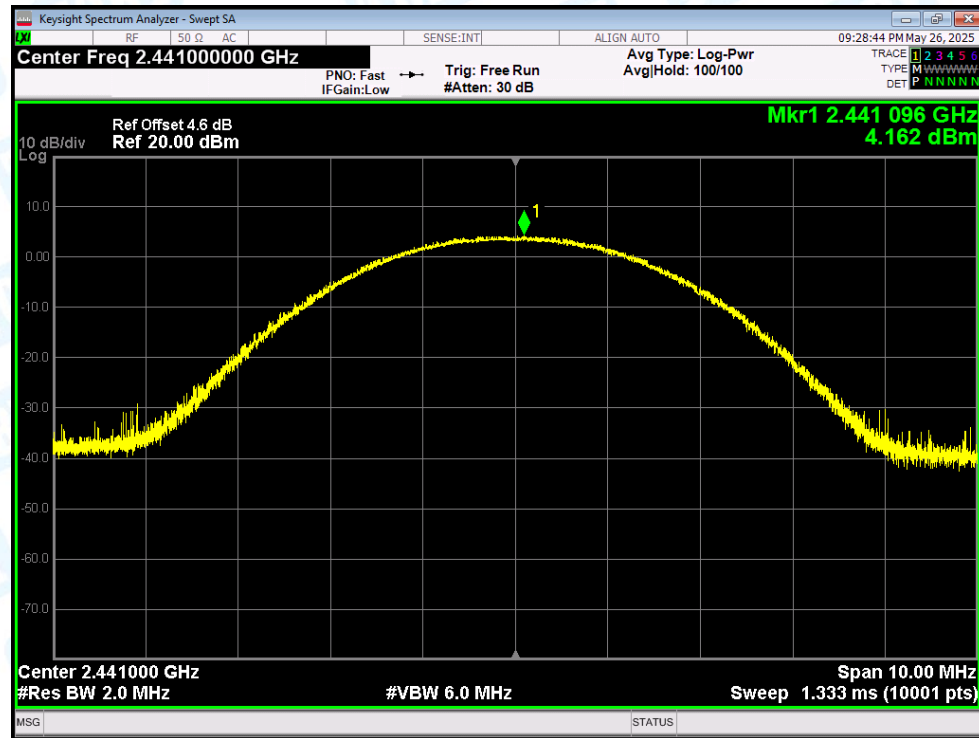
Power NVNT 1-DH1 2480MHz Ant1



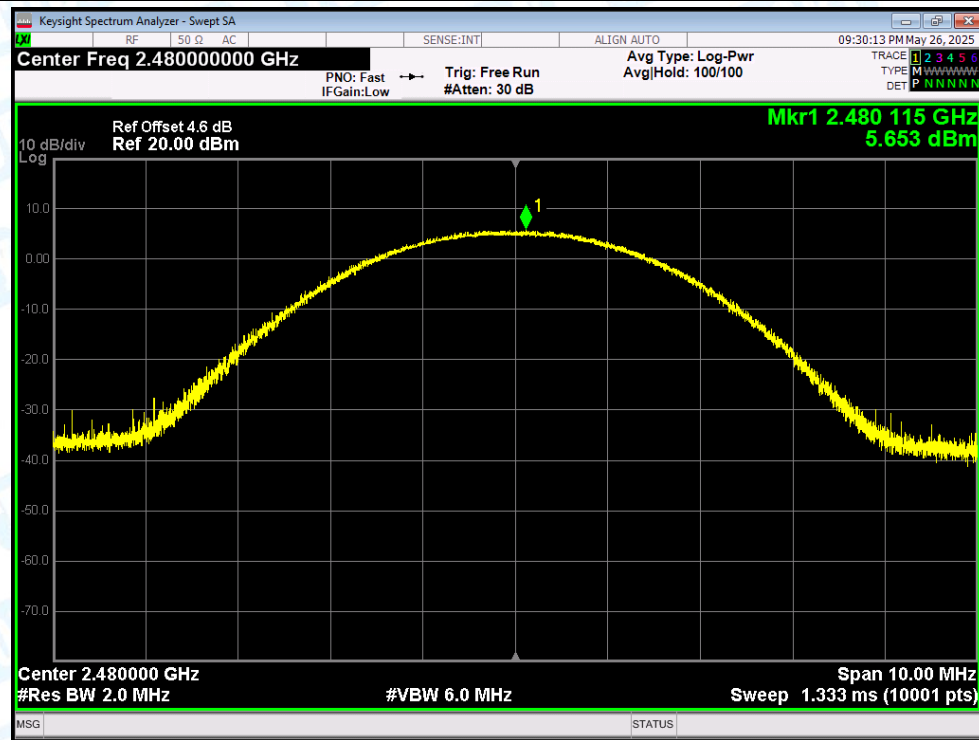
Power NVNT 2-DH1 2402MHz Ant1



Power NVNT 2-DH1 2441MHz Ant1

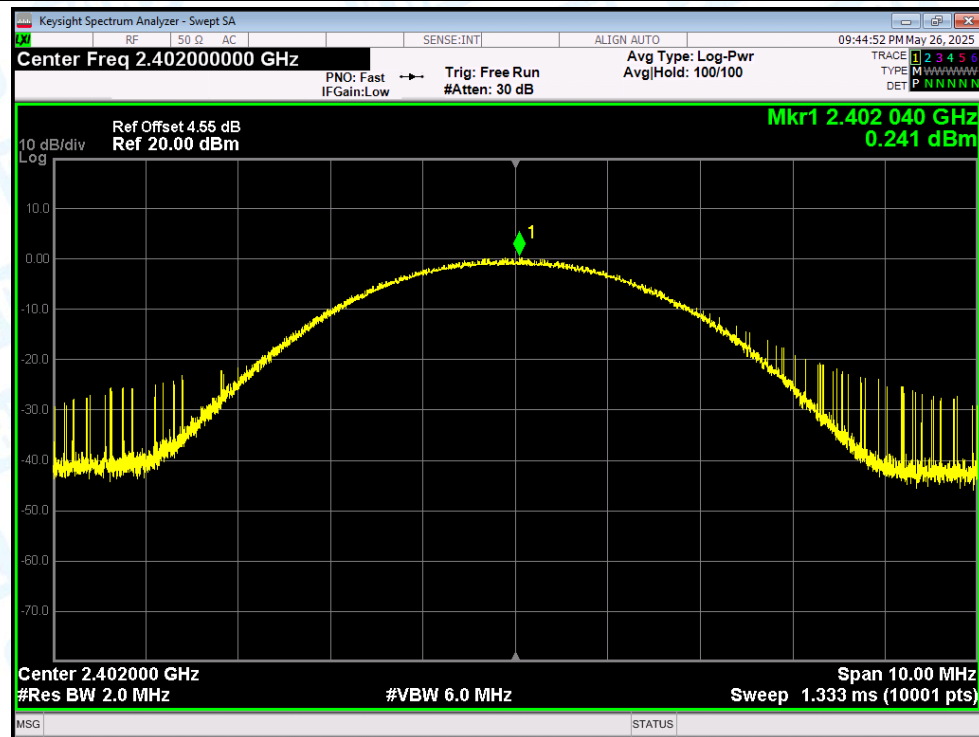


Power NVNT 2-DH1 2480MHz Ant1

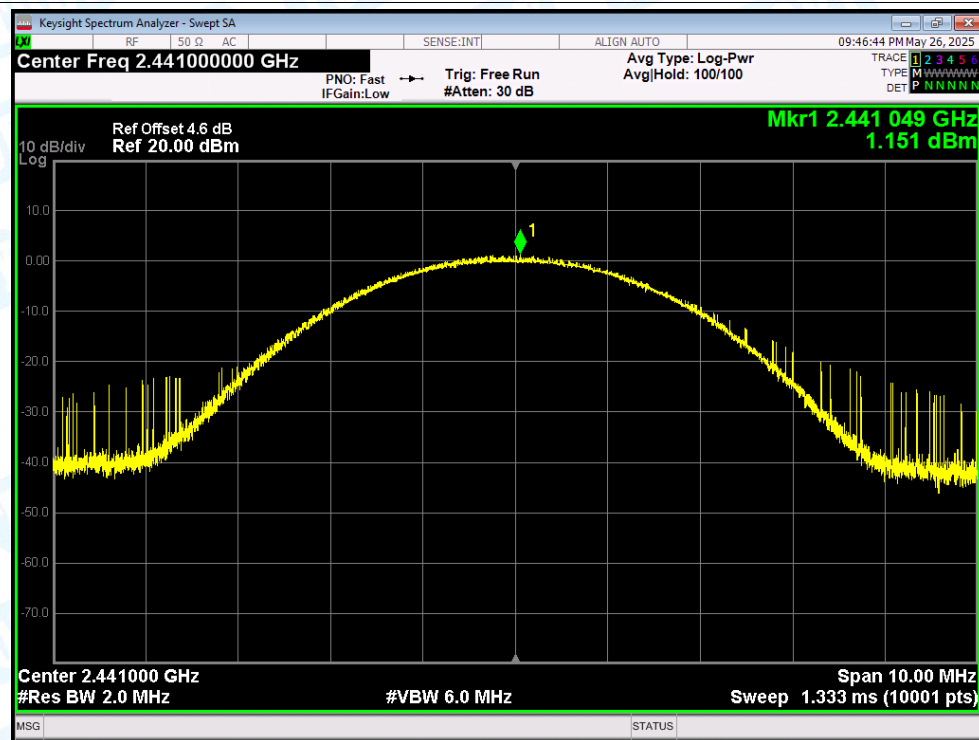


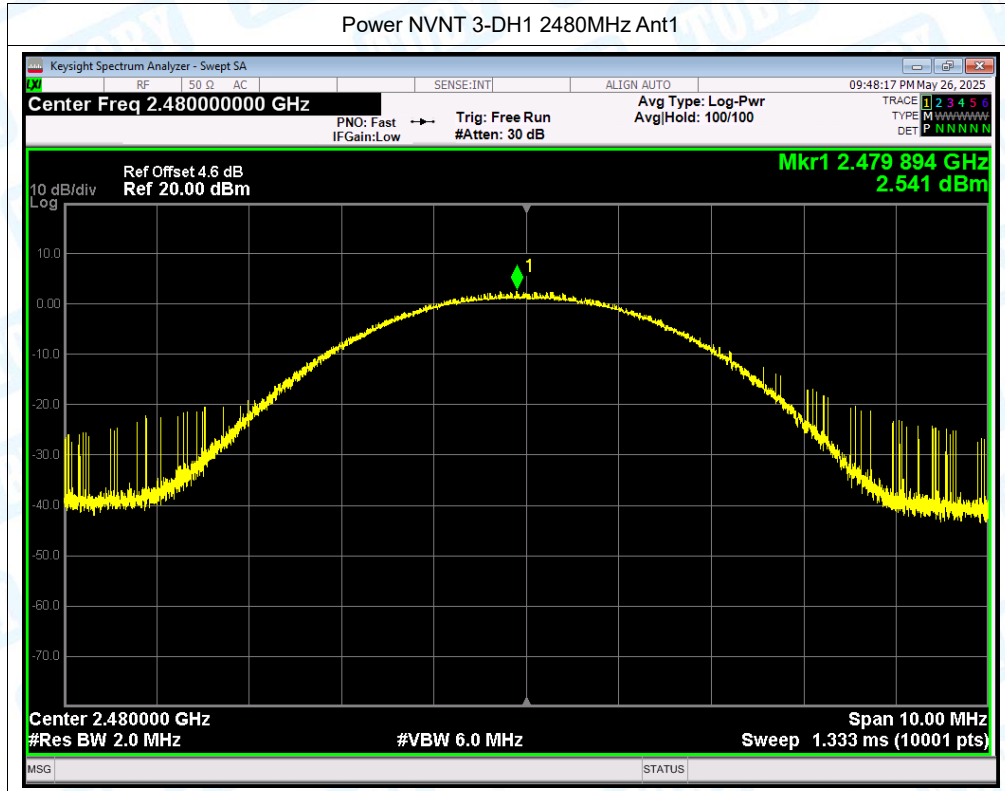


Power NVNT 3-DH1 2402MHz Ant1



Power NVNT 3-DH1 2441MHz Ant1





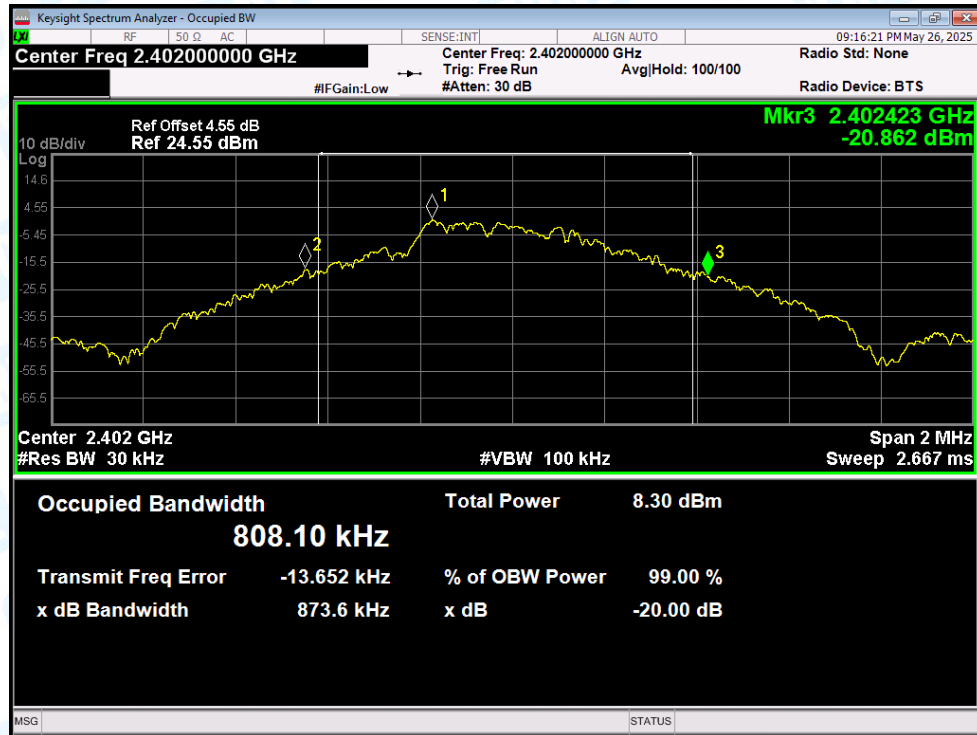


### 3. -20dB Bandwidth

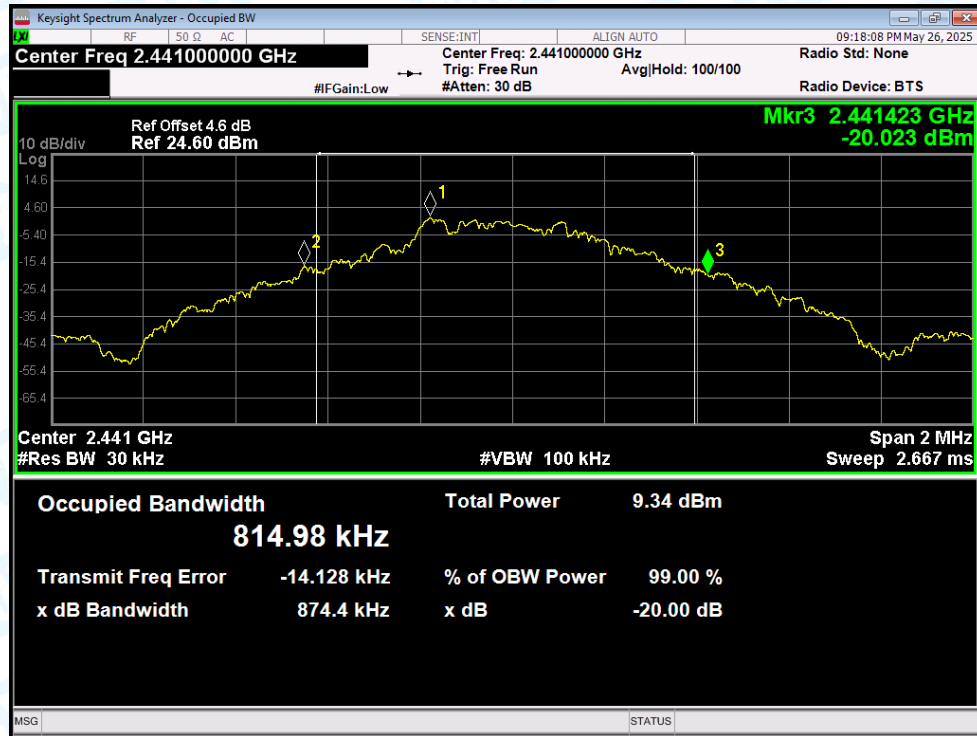
| Condition | Mode  | Frequency (MHz) | Antenna | -20 dB Bandwidth (MHz) | Limit -20 dB Bandwidth (MHz) | Verdict |
|-----------|-------|-----------------|---------|------------------------|------------------------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 0.87                   | 0                            | Pass    |
| NVNT      | 1-DH1 | 2441            | Ant1    | 0.87                   | 0                            | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | 0.88                   | 0                            | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | 1.25                   | 0                            | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | 1.25                   | 0                            | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | 1.23                   | 0                            | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | 1.25                   | 0                            | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | 1.25                   | 0                            | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | 1.2                    | 0                            | Pass    |

### Test Graphs

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

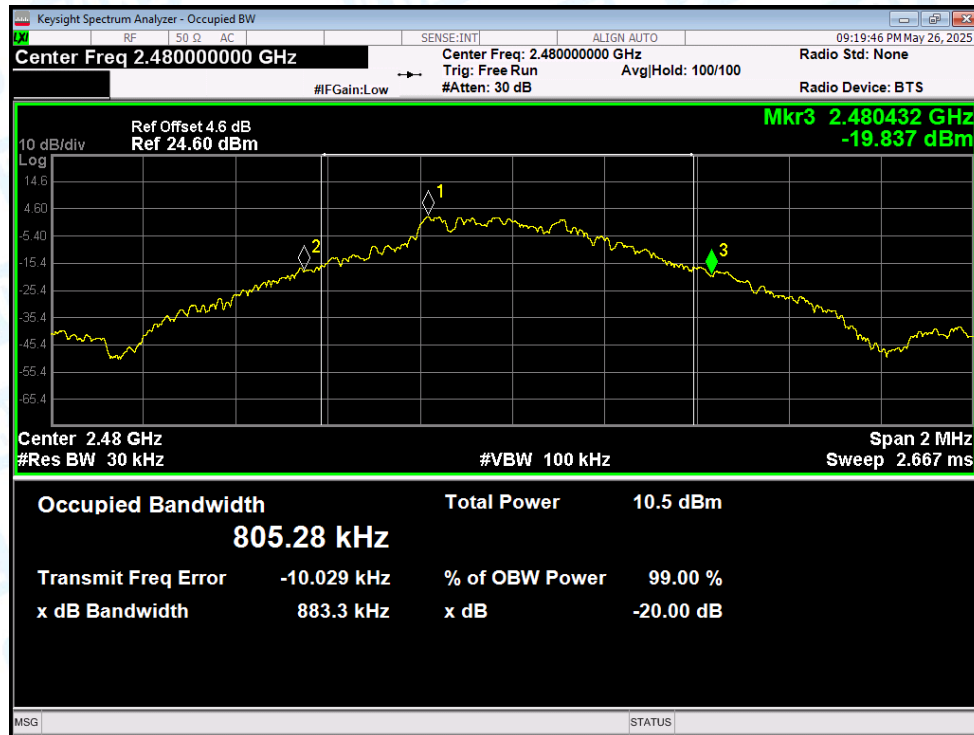


#### -20dB Bandwidth NVNT 1-DH1 2441MHz Ant1

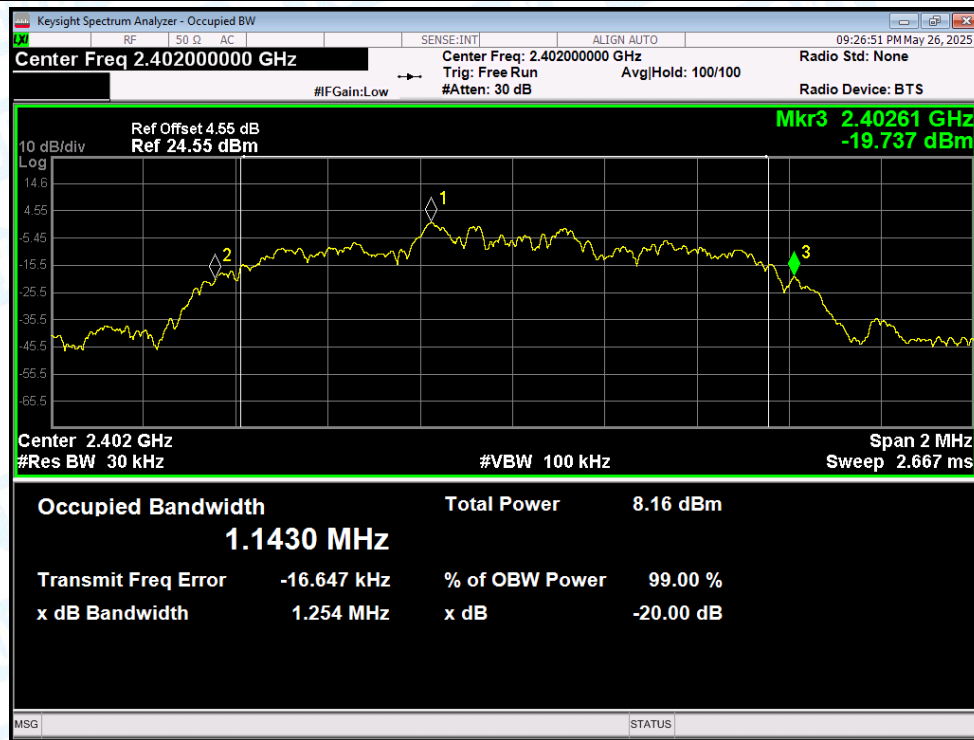




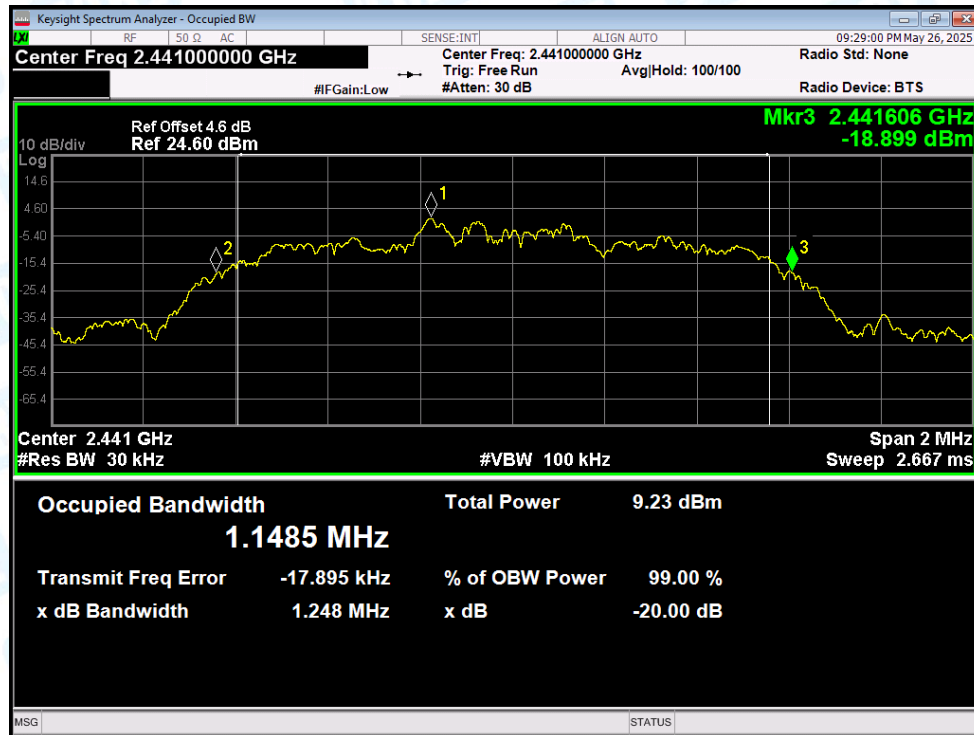
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



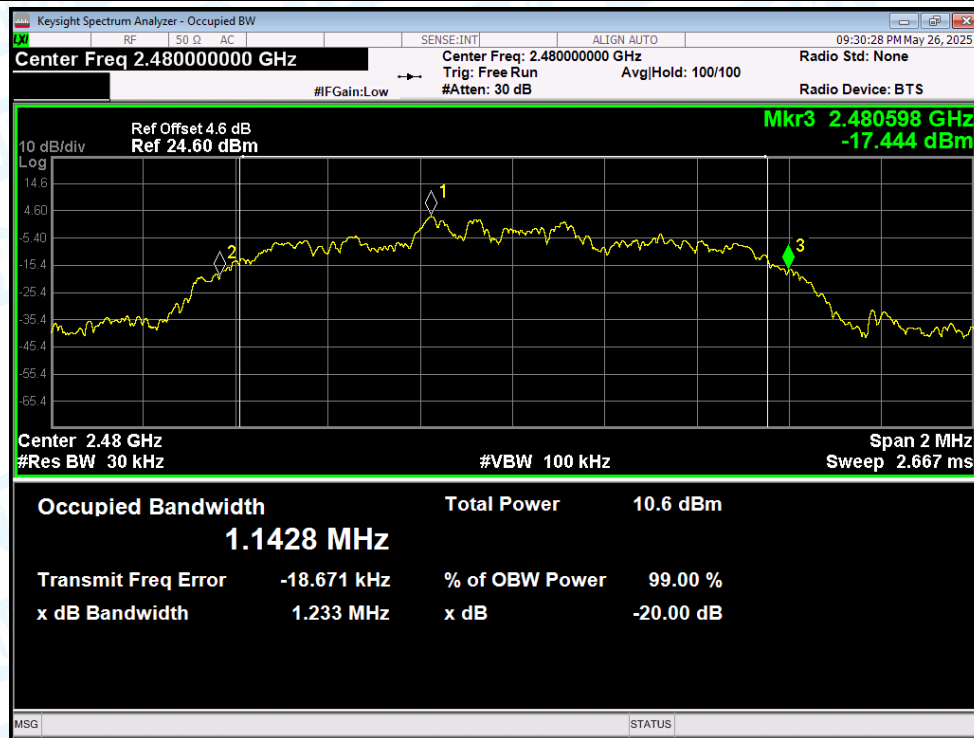
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1

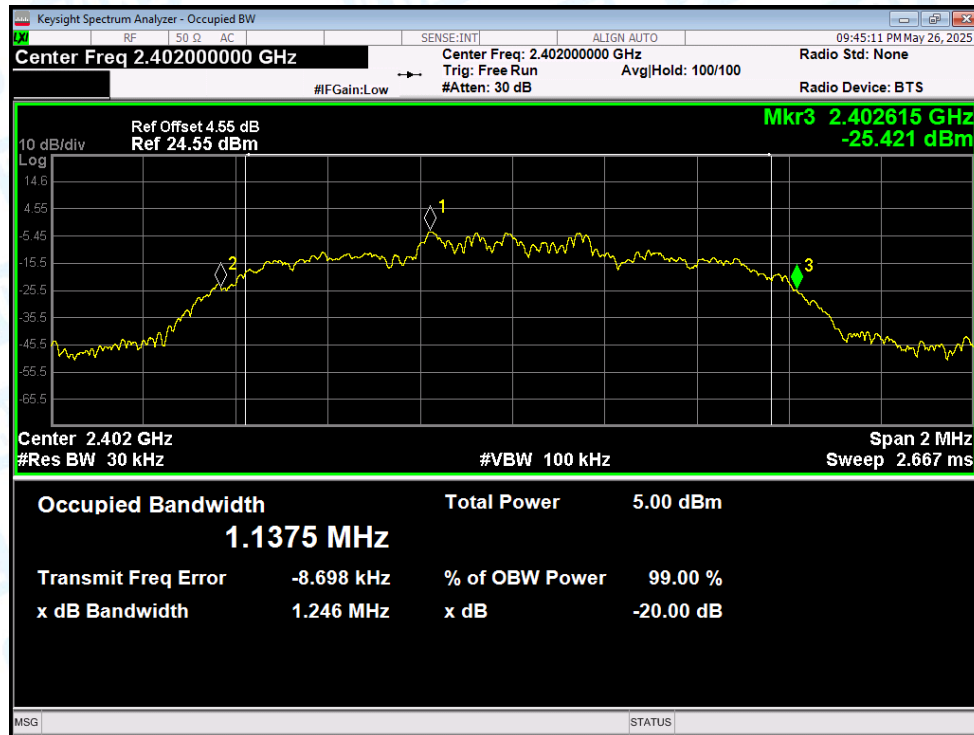


-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1

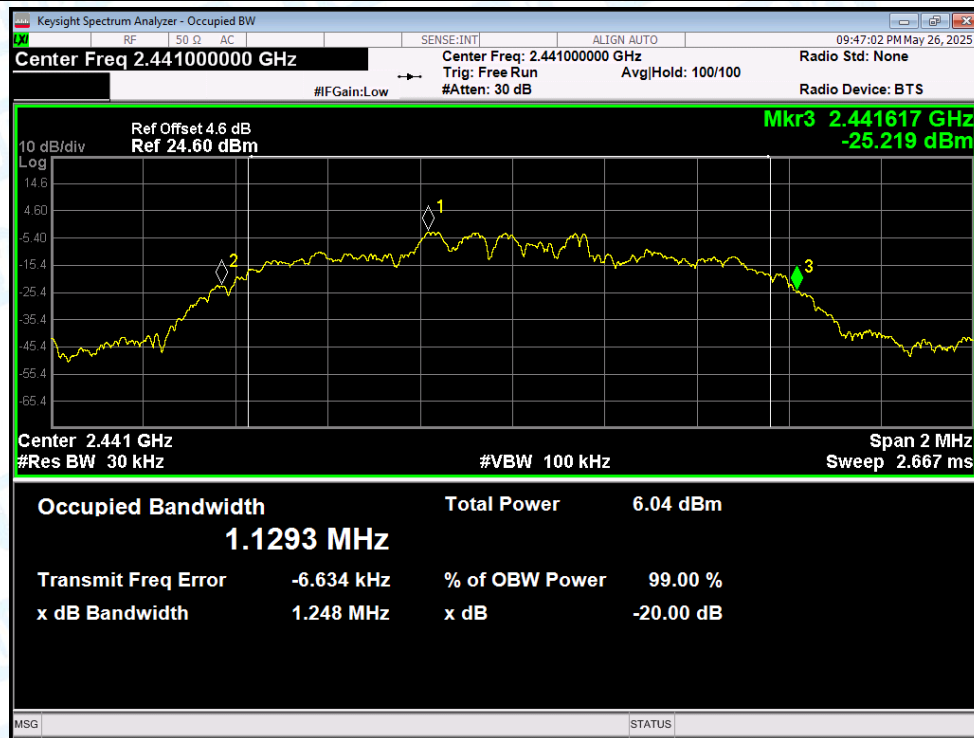


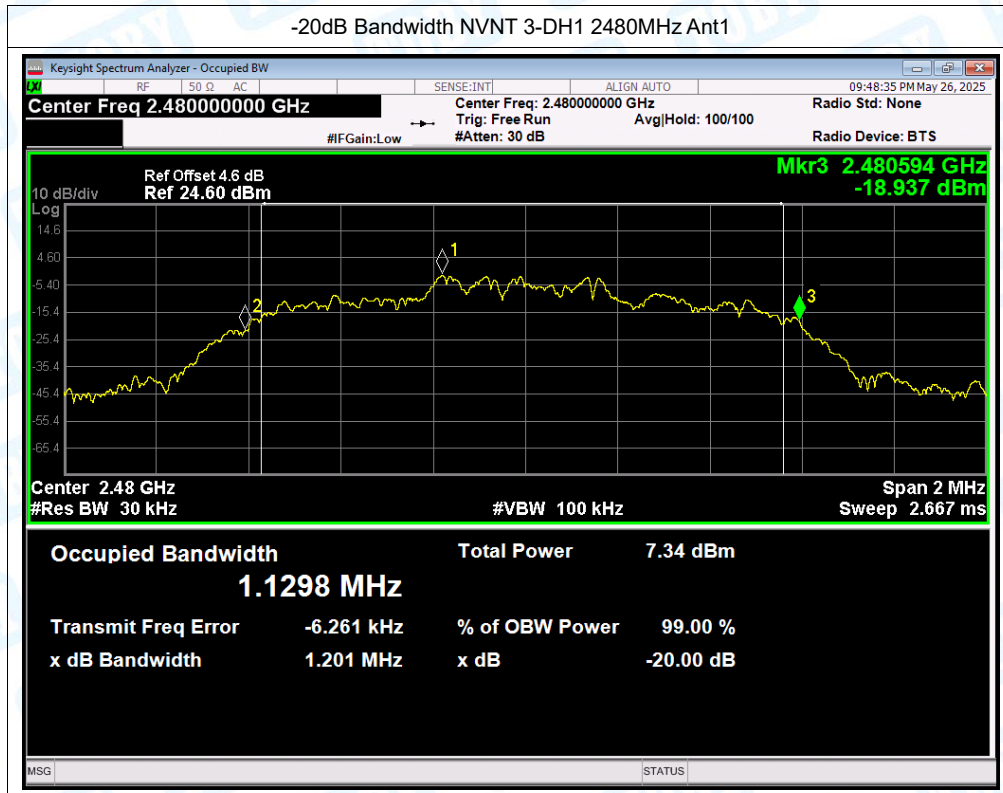


-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1





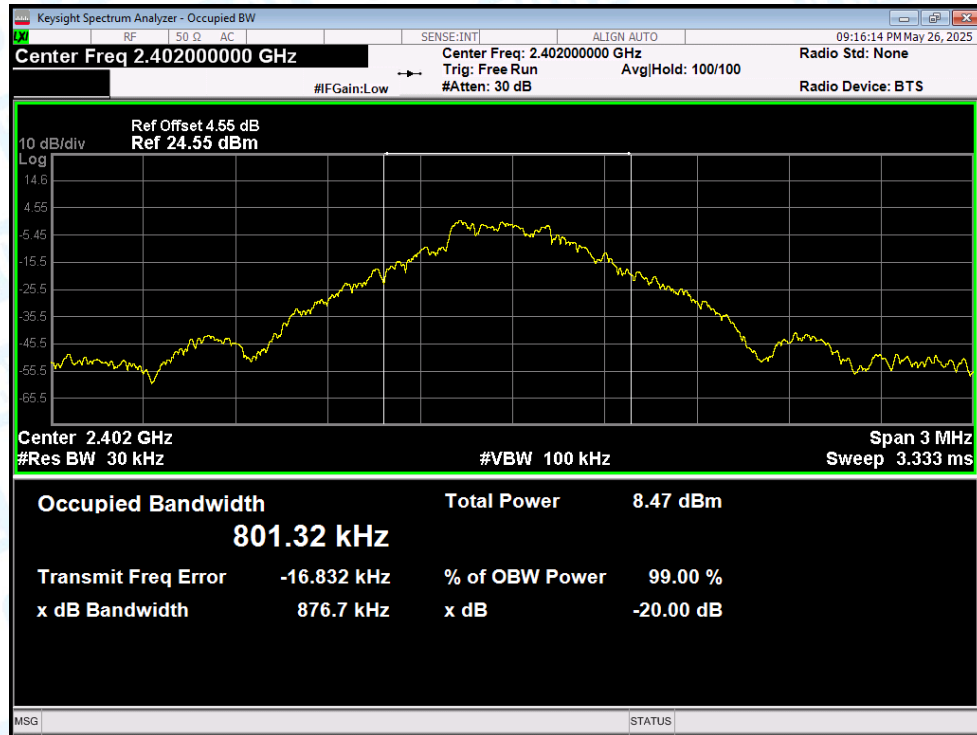


## 4. Occupied Channel Bandwidth

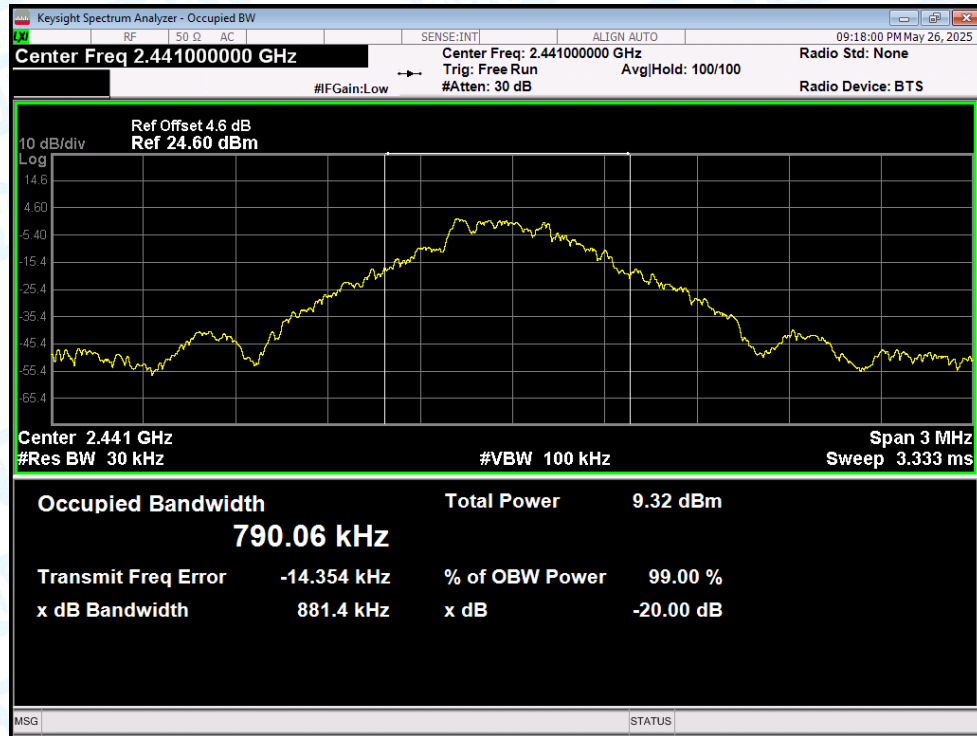
| Condition | Mode  | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|-------|-----------------|---------|---------------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 0.801         |
| NVNT      | 1-DH1 | 2441            | Ant1    | 0.79          |
| NVNT      | 1-DH1 | 2480            | Ant1    | 0.797         |
| NVNT      | 2-DH1 | 2402            | Ant1    | 1.146         |
| NVNT      | 2-DH1 | 2441            | Ant1    | 1.155         |
| NVNT      | 2-DH1 | 2480            | Ant1    | 1.125         |
| NVNT      | 3-DH1 | 2402            | Ant1    | 1.127         |
| NVNT      | 3-DH1 | 2441            | Ant1    | 1.132         |
| NVNT      | 3-DH1 | 2480            | Ant1    | 1.137         |

### Test Graphs

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

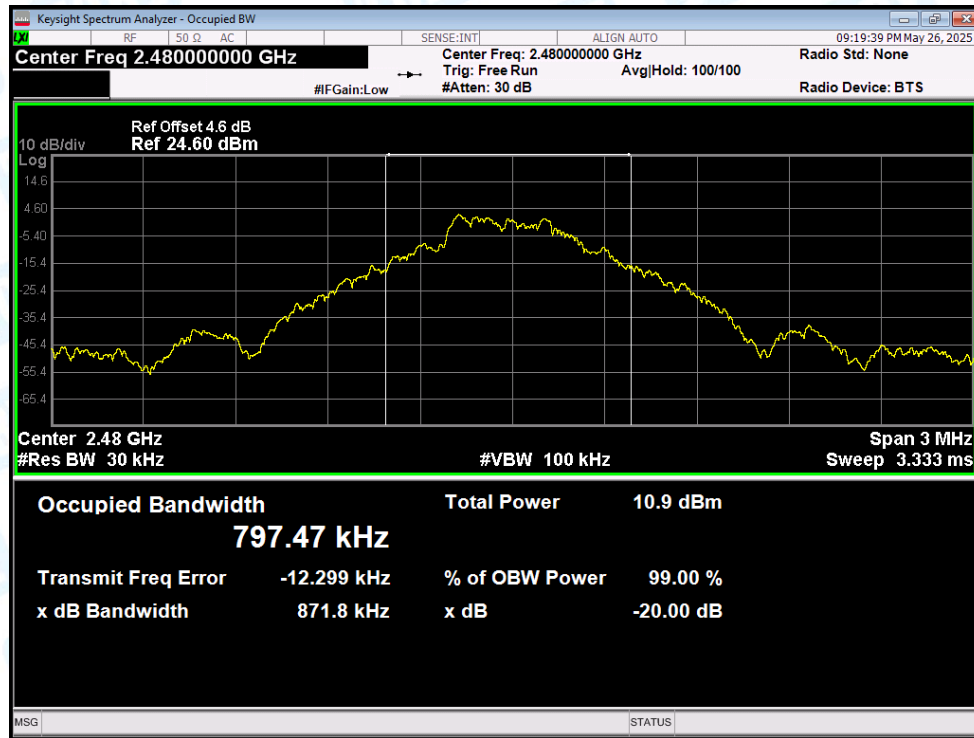


#### OBW NVNT 1-DH1 2441MHz Ant1

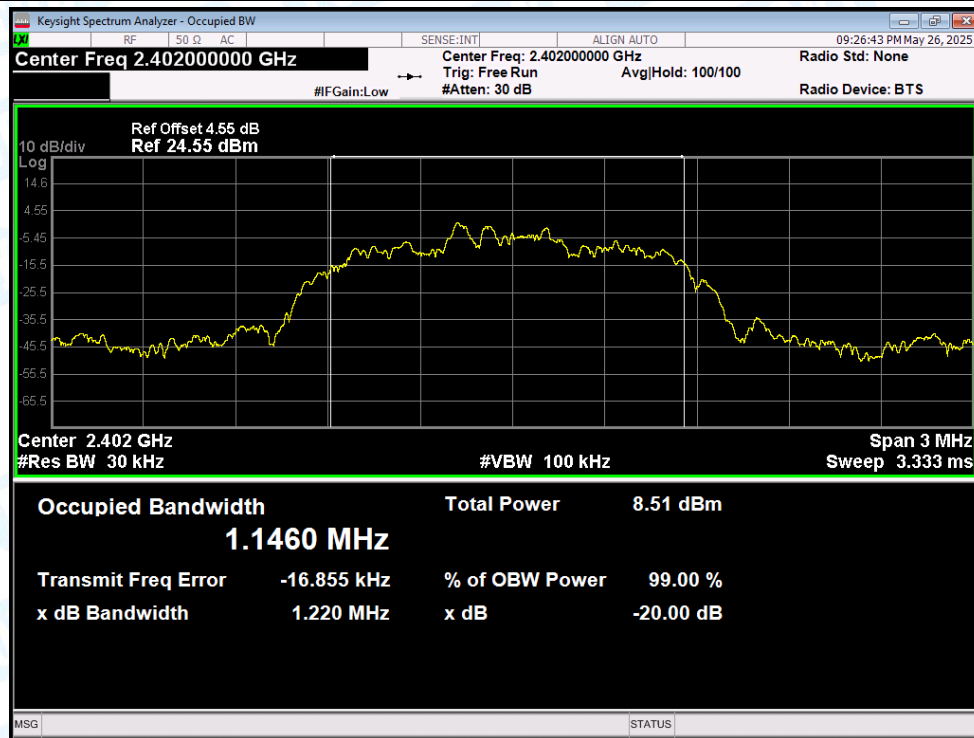




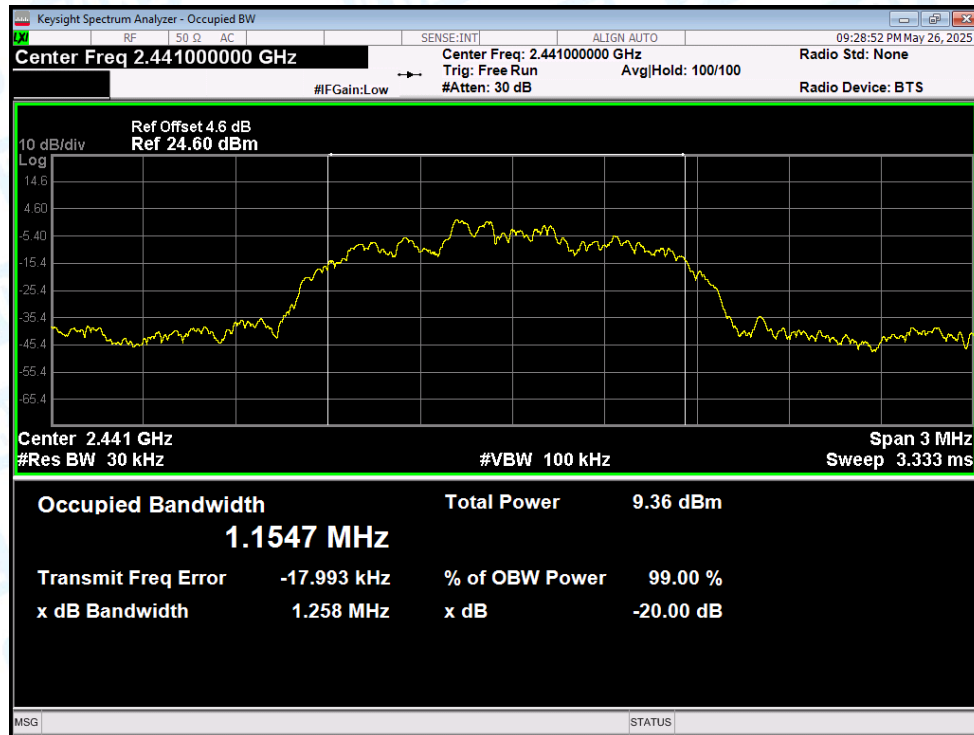
OBW NVNT 1-DH1 2480MHz Ant1



OBW NVNT 2-DH1 2402MHz Ant1



OBW NVNT 2-DH1 2441MHz Ant1

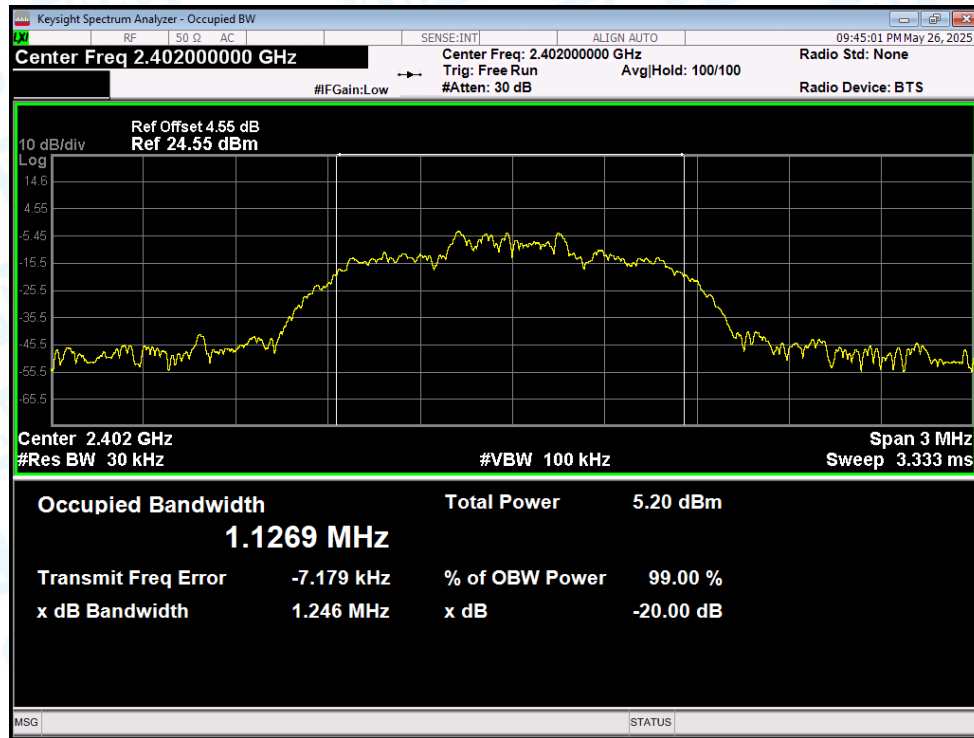


OBW NVNT 2-DH1 2480MHz Ant1

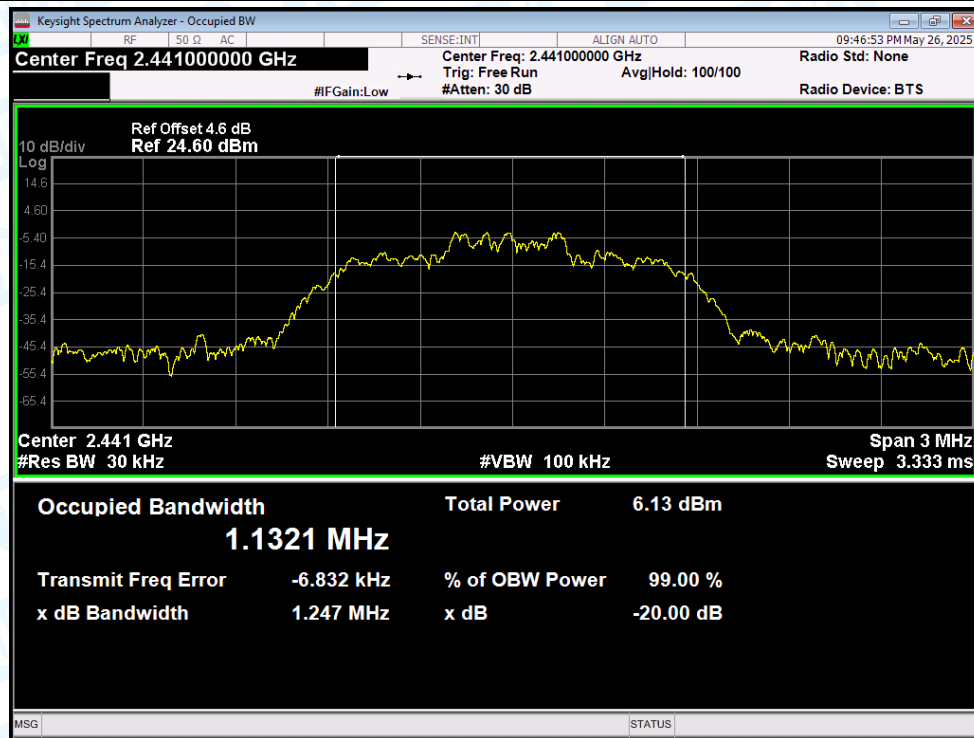


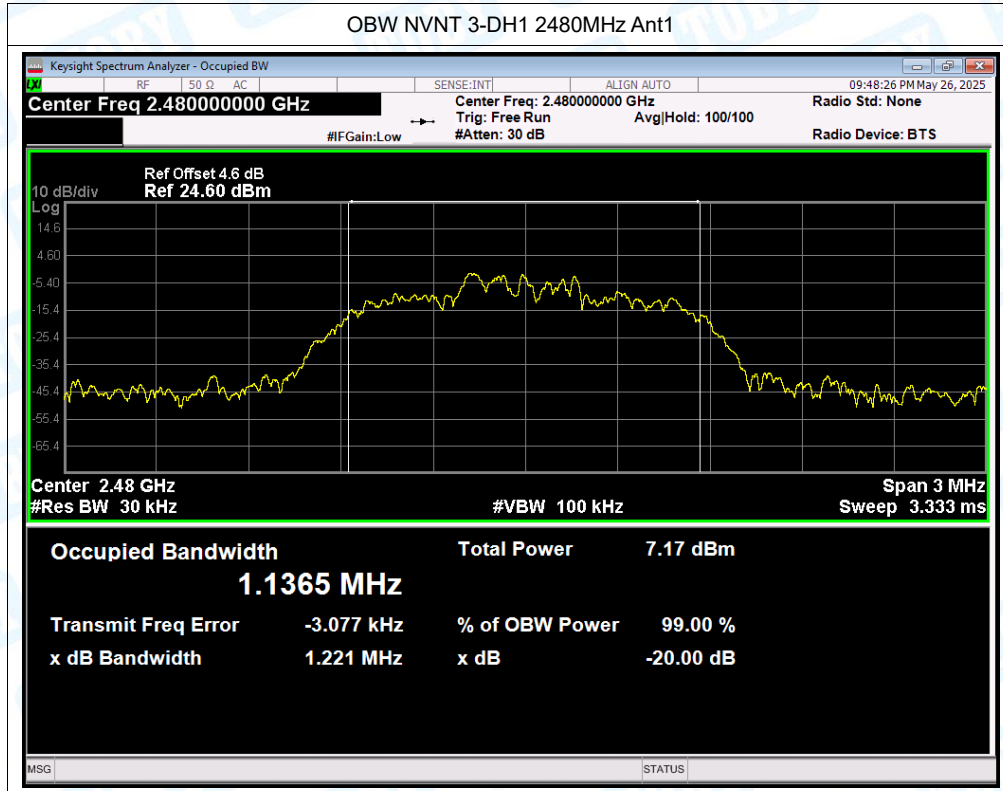


OBW NVNT 3-DH1 2402MHz Ant1



OBW NVNT 3-DH1 2441MHz Ant1





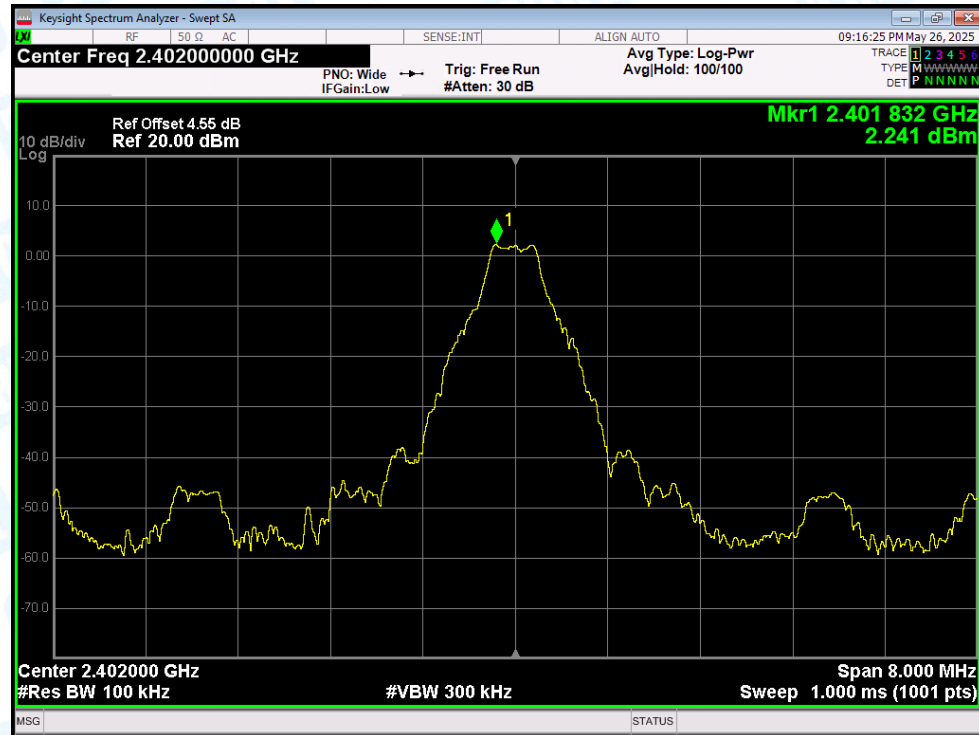


## 5. Band Edge

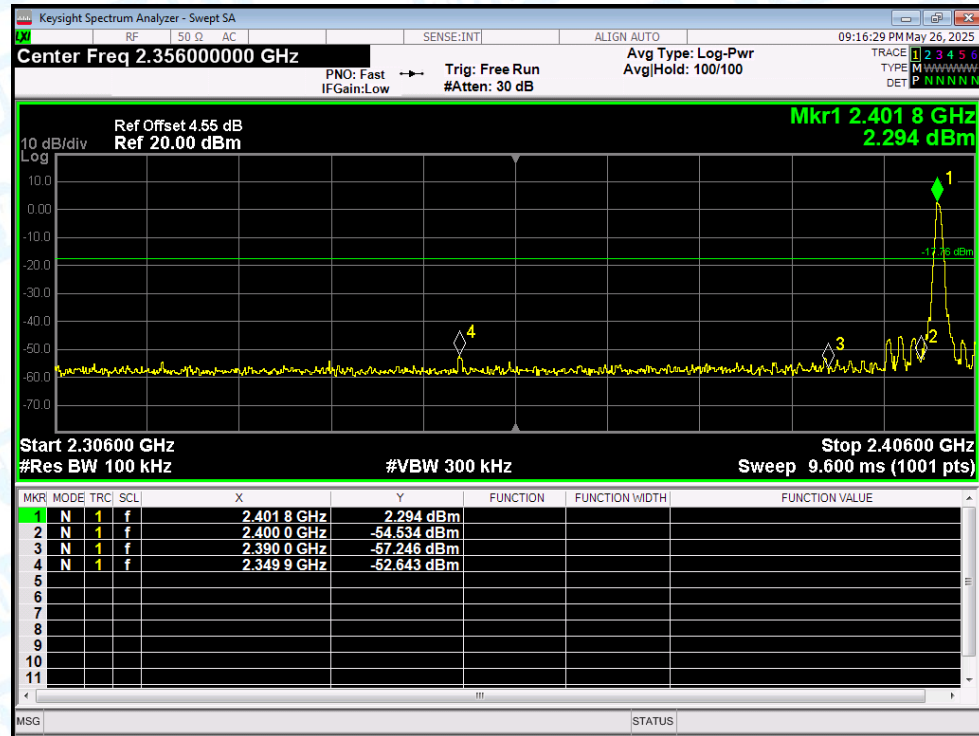
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | -54.88          | -20         | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | -48.15          | -20         | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | -55.26          | -20         | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | -48.63          | -20         | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | -53.26          | -20         | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | -45.03          | -20         | Pass    |

### Test Graphs

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



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

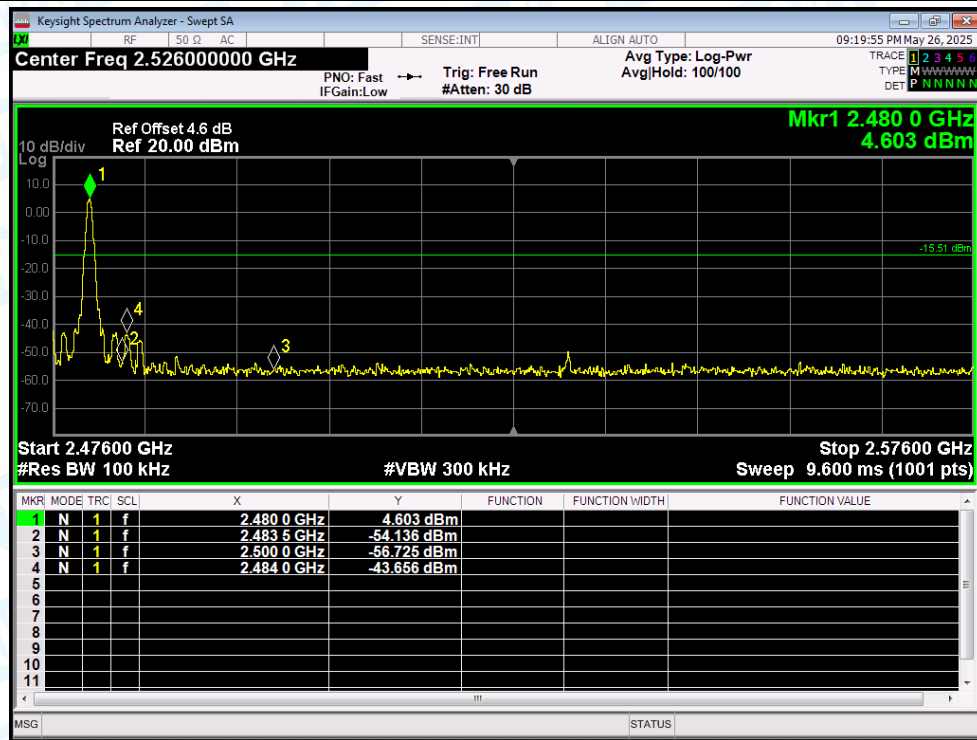


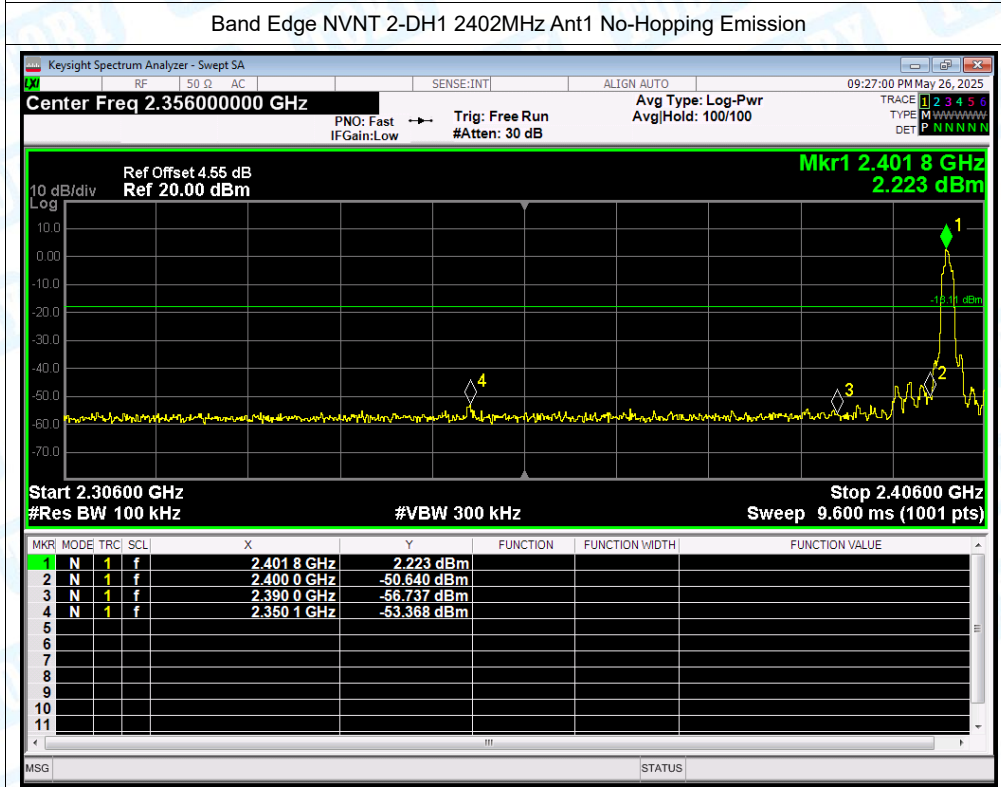
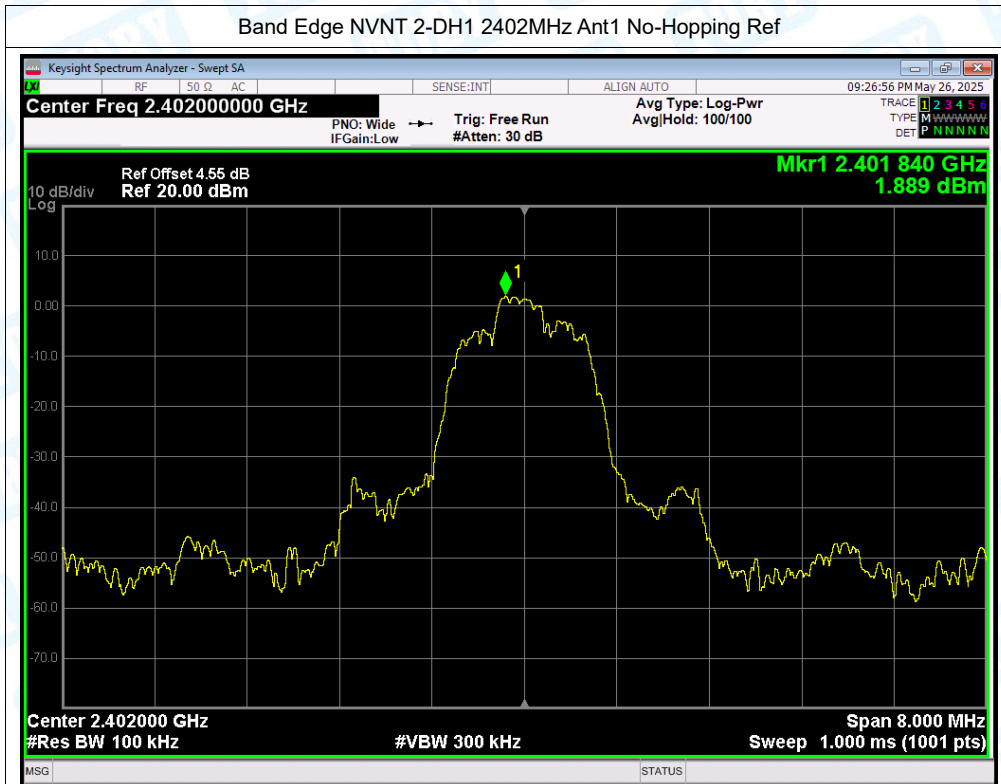


Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref

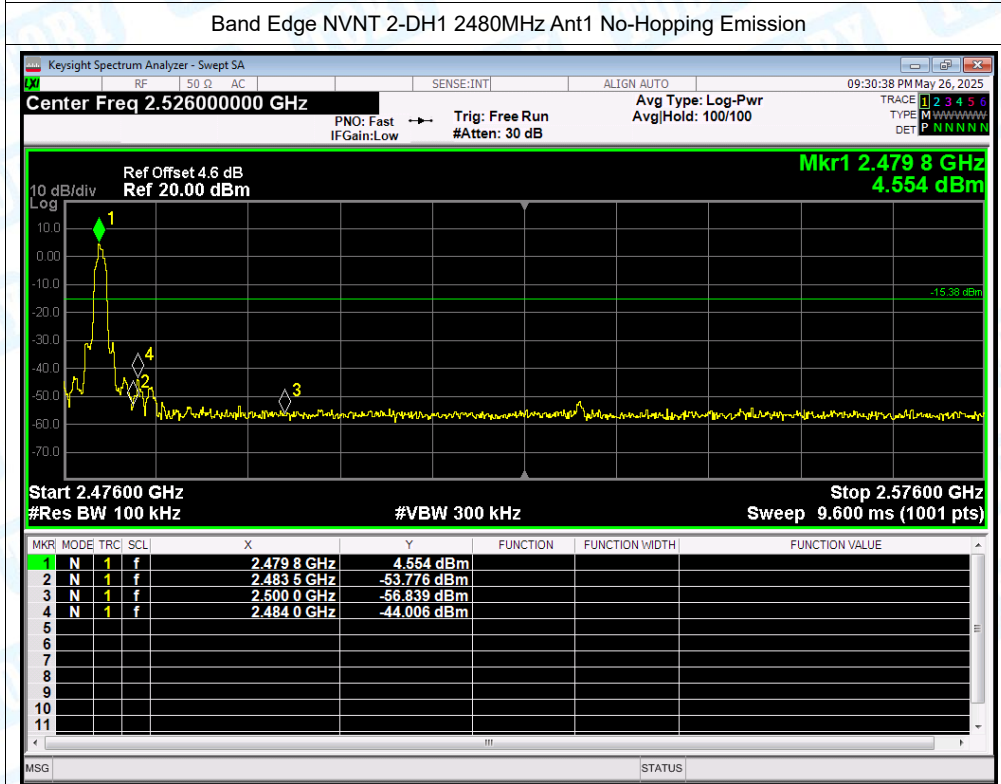
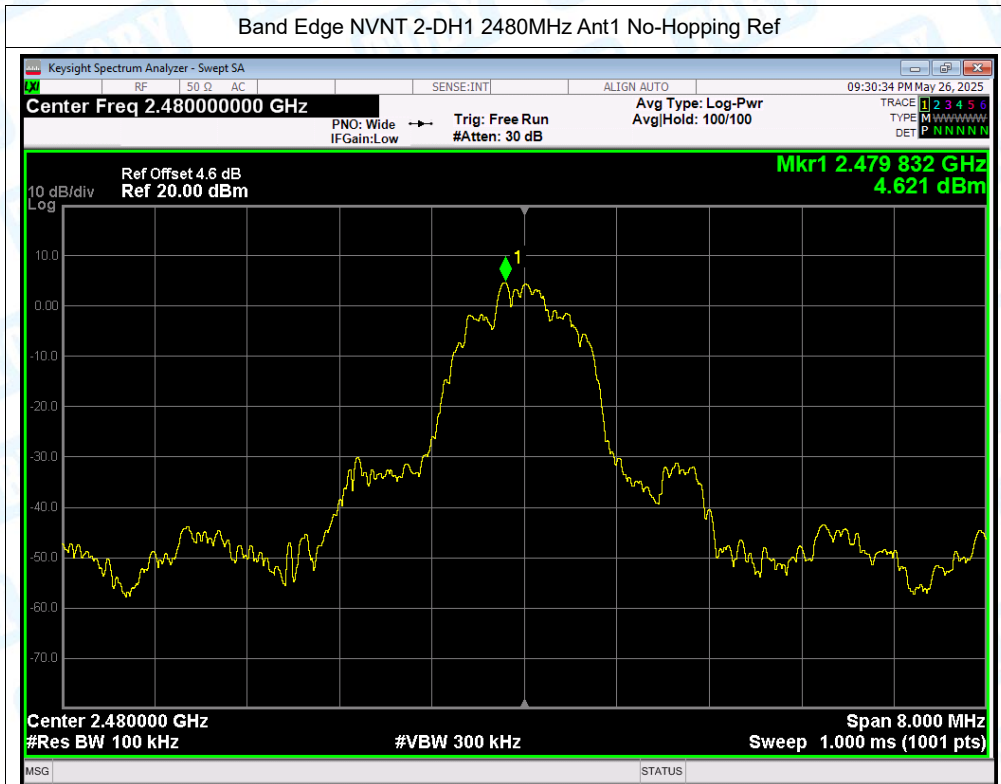


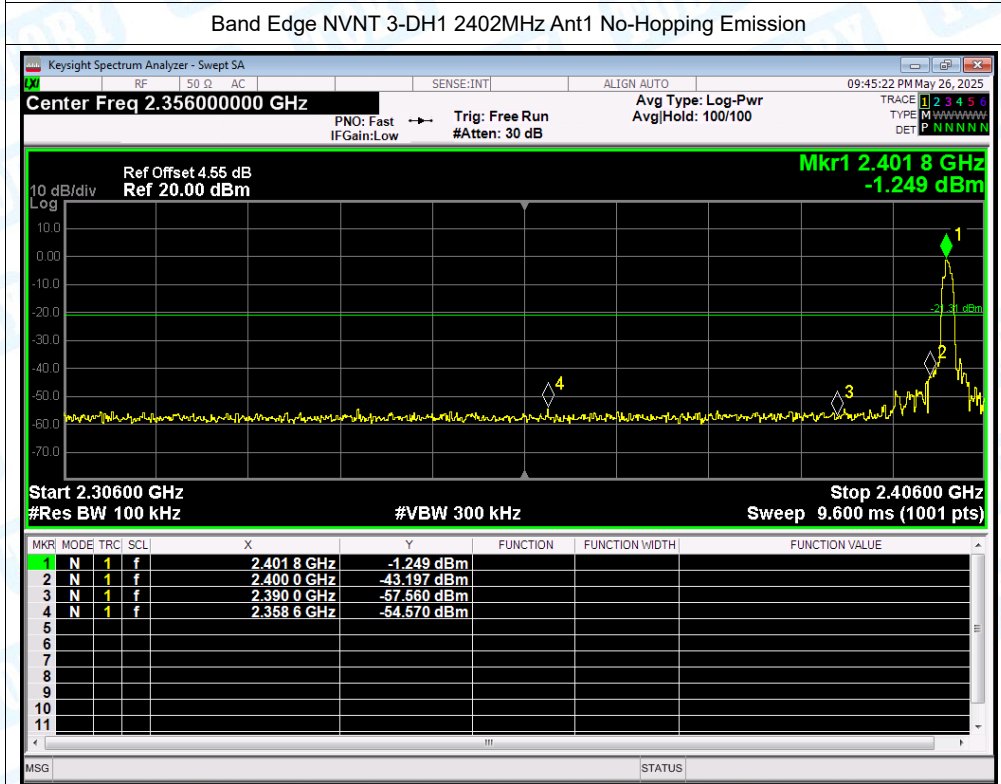
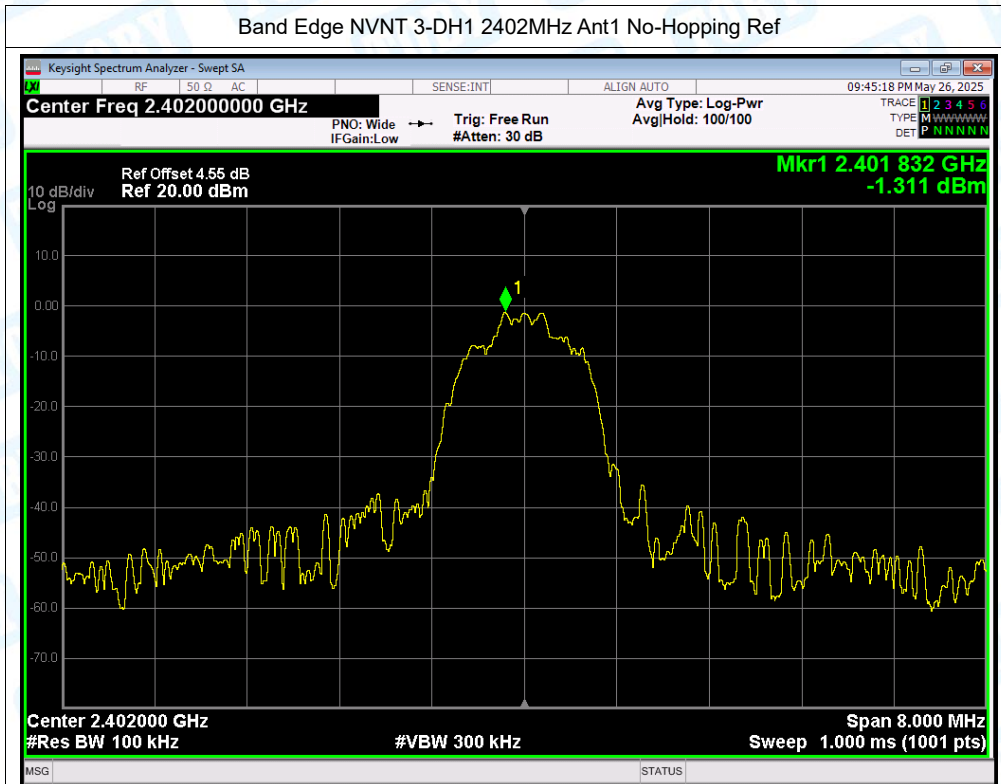
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission





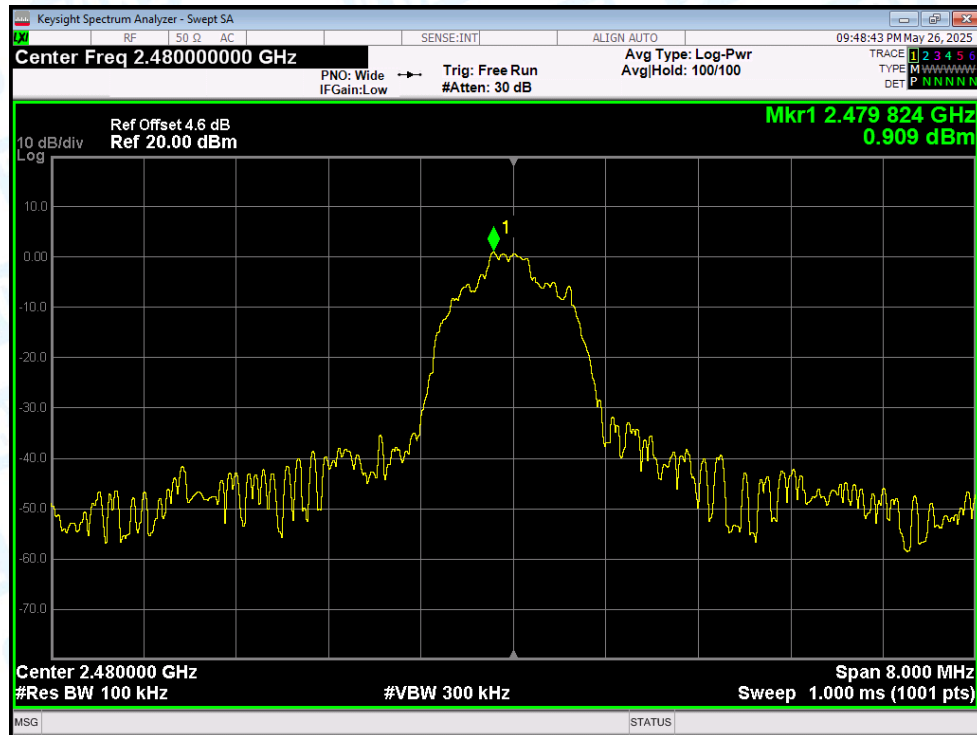




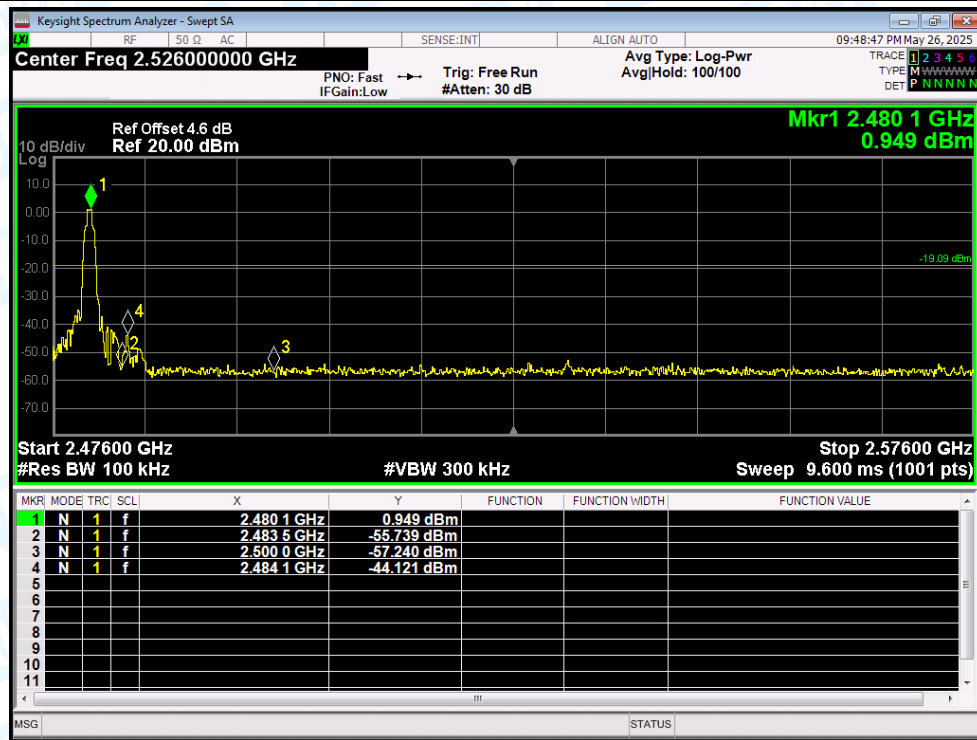




Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Ref



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



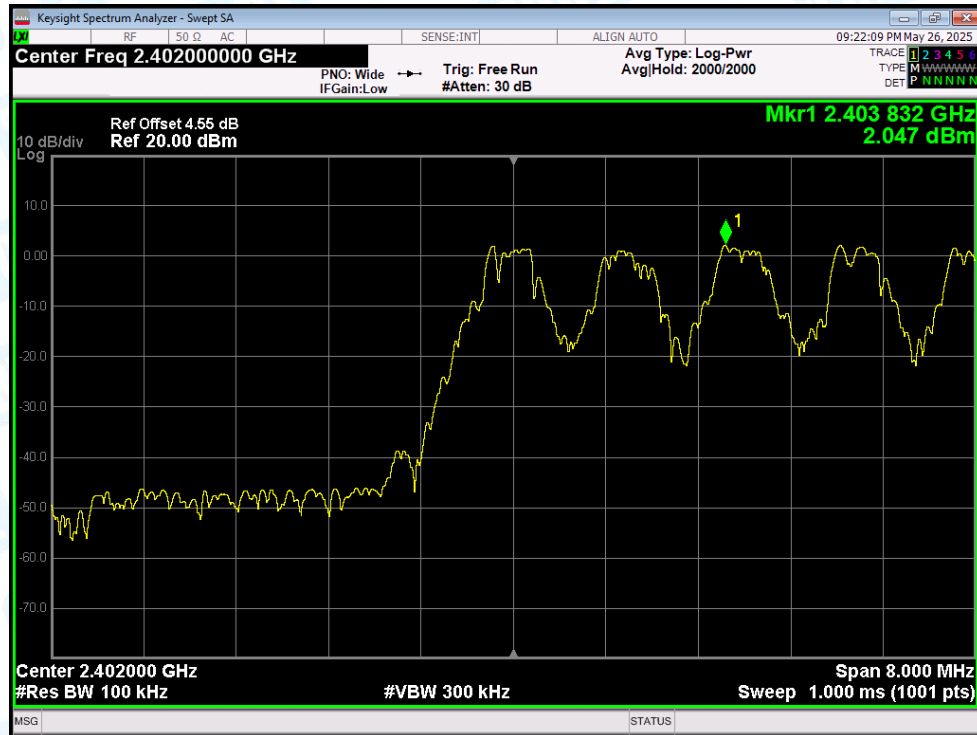
## 6. Band Edge(Hopping)

| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | Hopping      | -53.97          | -20         | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | Hopping      | -49.46          | -20         | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | Hopping      | -54.08          | -20         | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | Hopping      | -49.68          | -20         | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | Hopping      | -52.56          | -20         | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | Hopping      | -49.6           | -20         | Pass    |

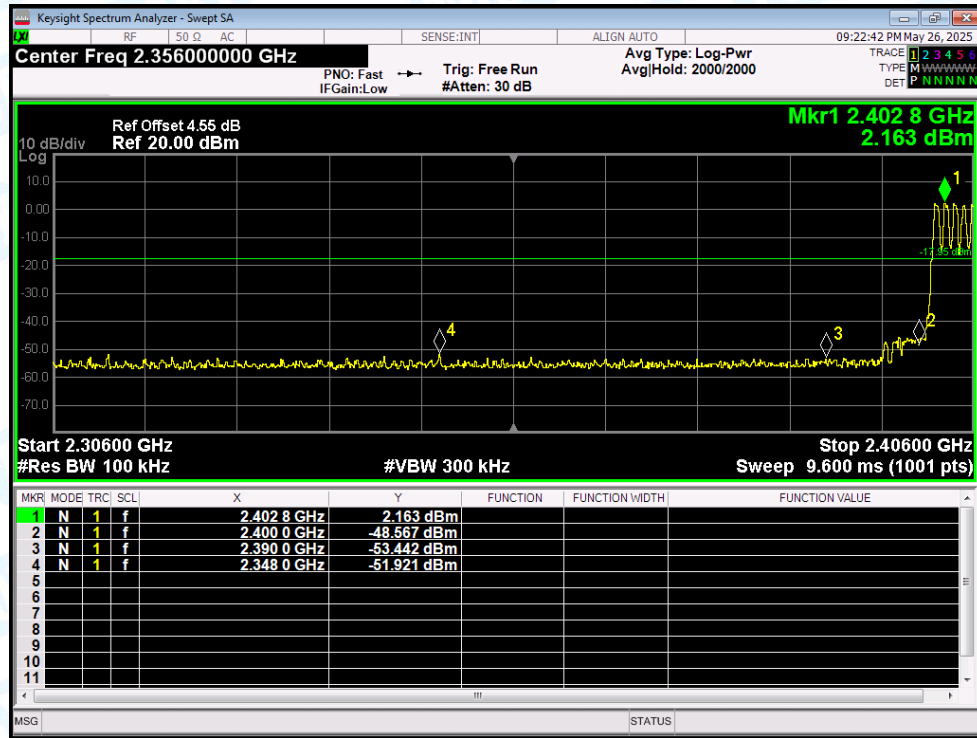


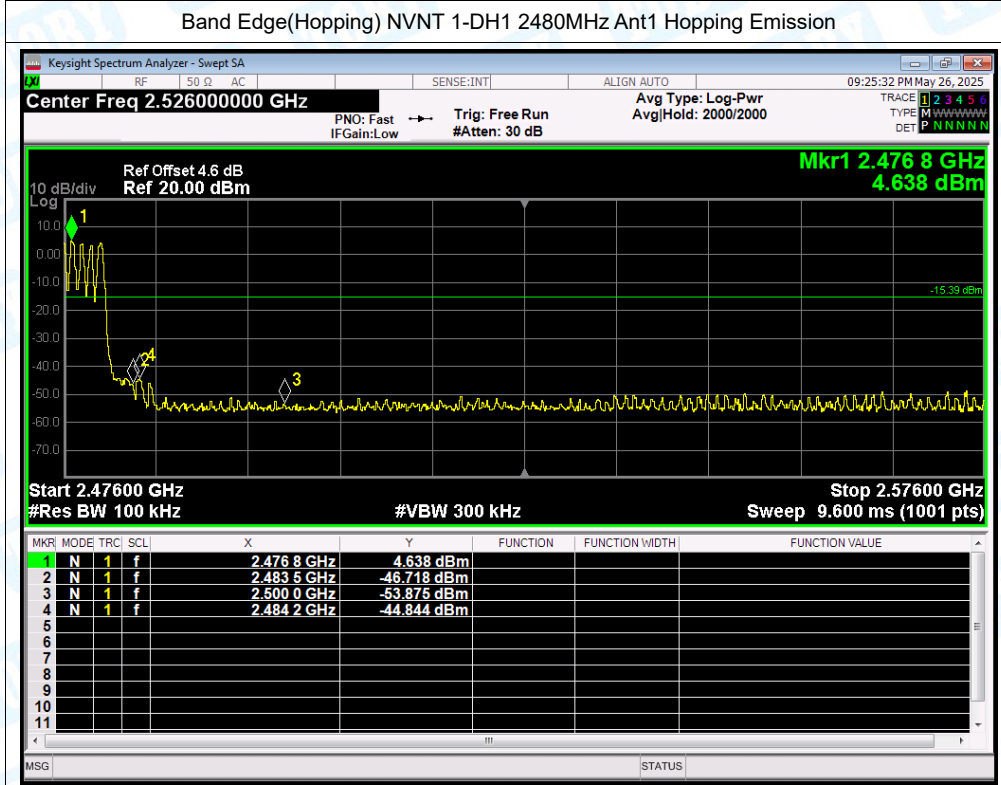
### Test Graphs

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



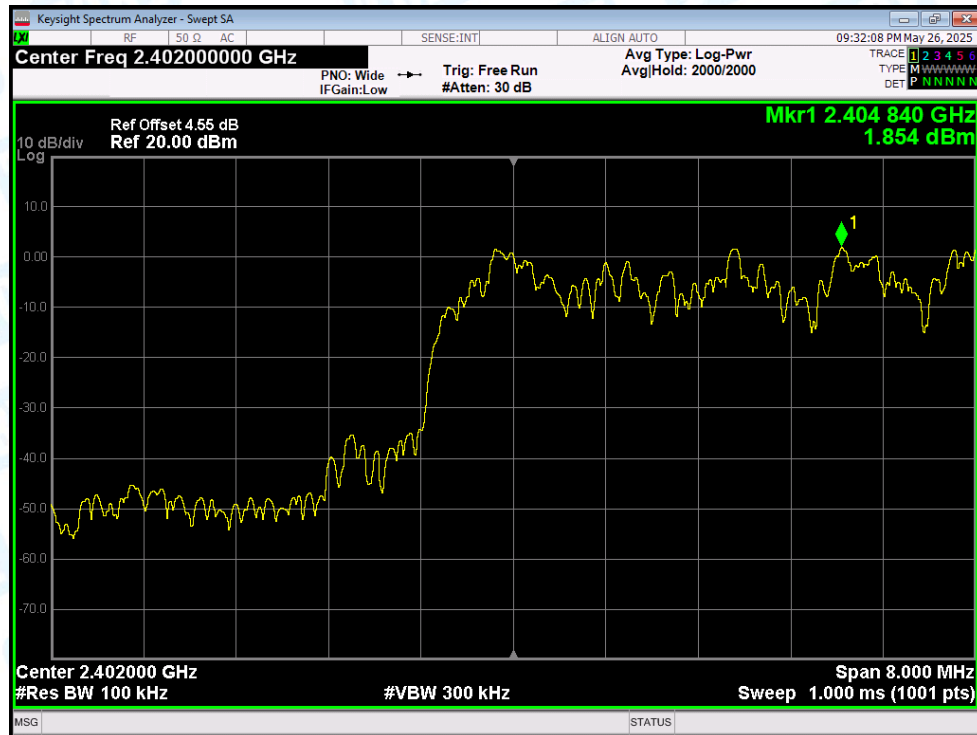
#### Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission



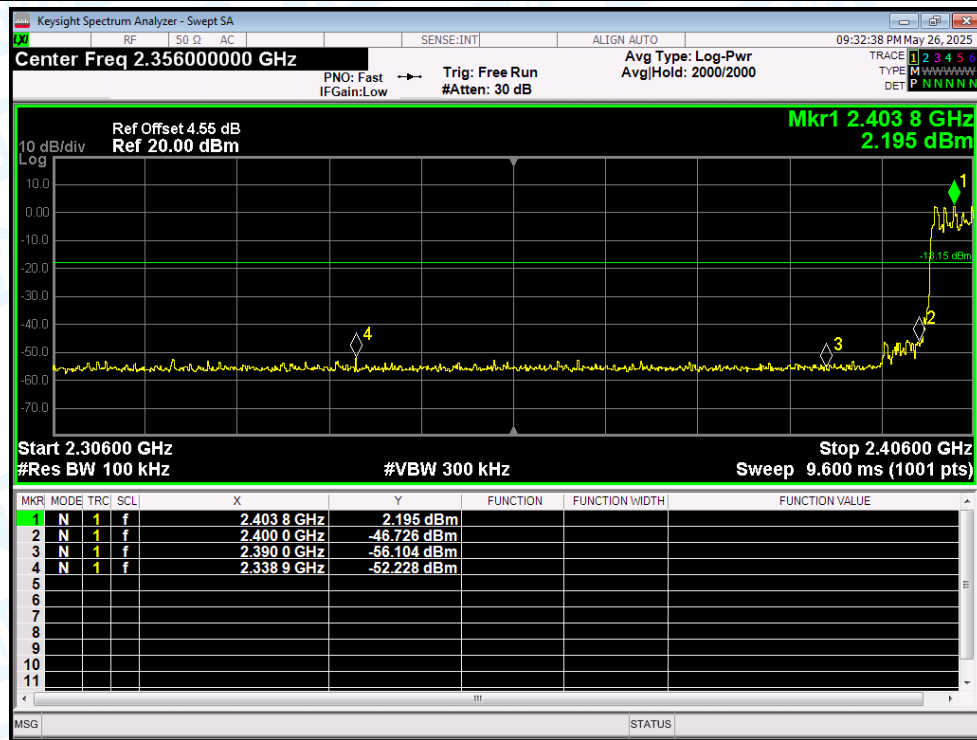




Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Ref



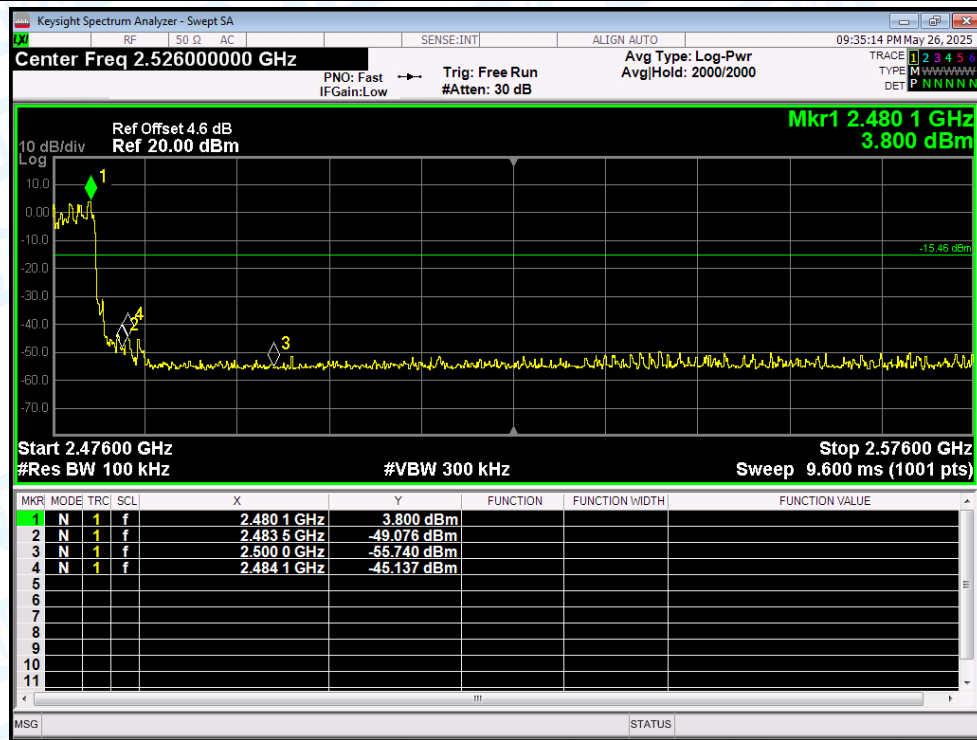
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Emission



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



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

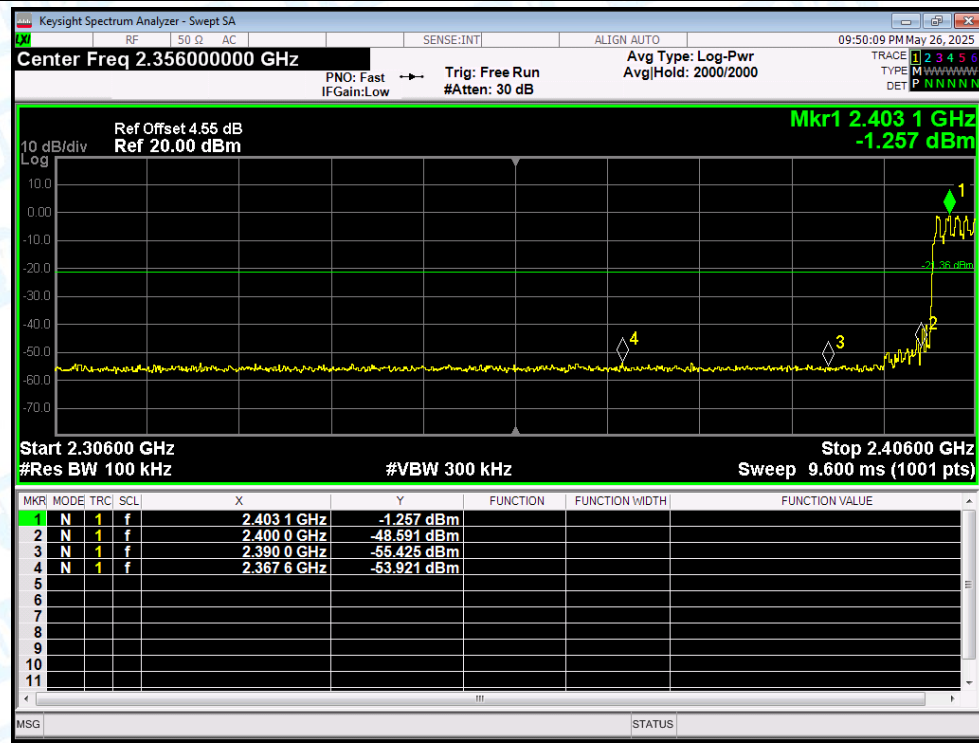




Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Ref



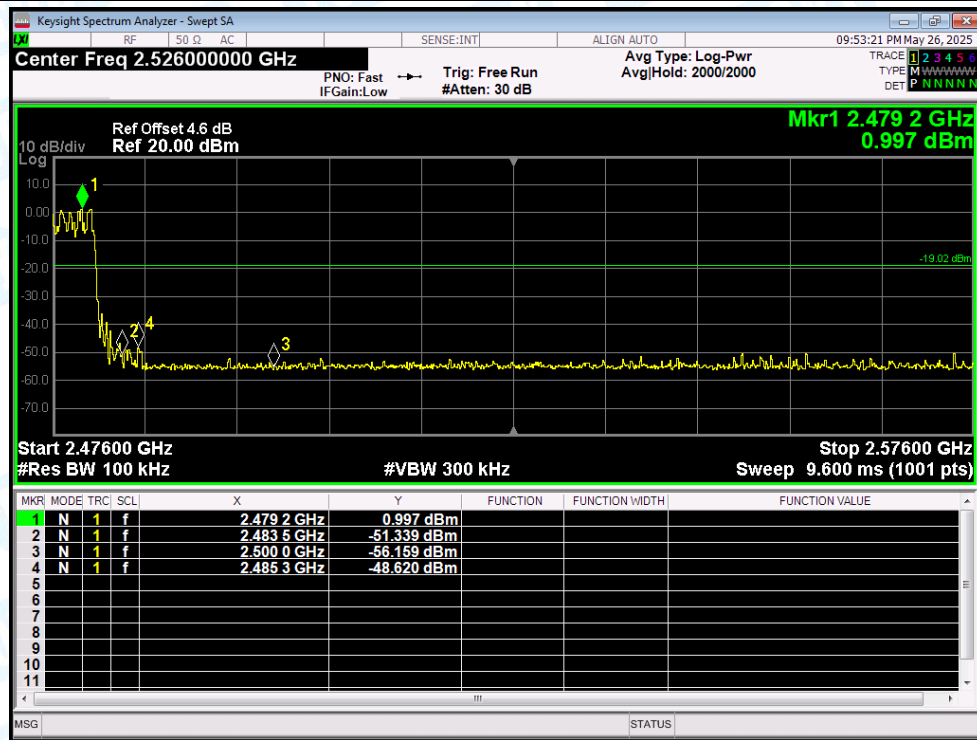
Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Emission



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



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



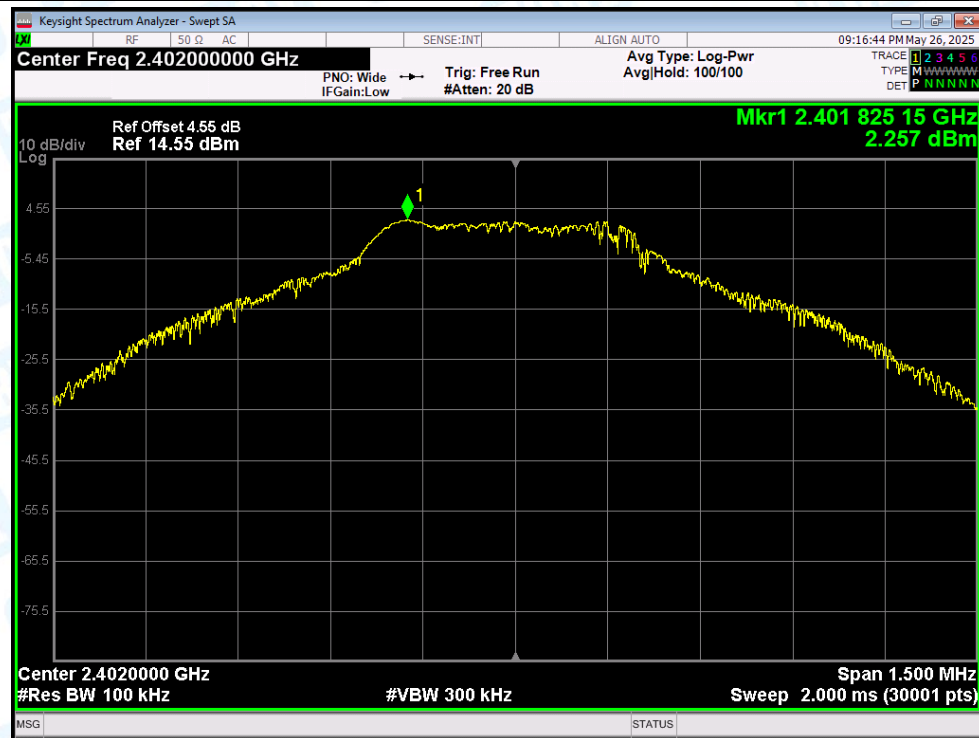


## 7. Conducted RF Spurious Emission

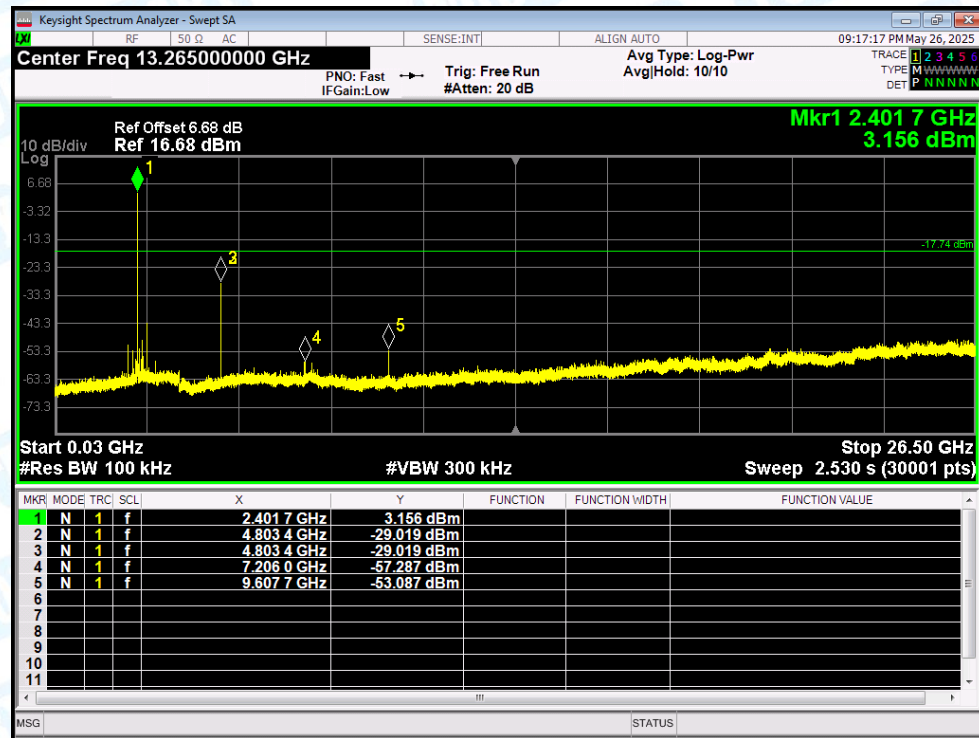
| Condition | Mode  | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | -31.28          | -20         | Pass    |
| NVNT      | 1-DH1 | 2441            | Ant1    | -28.59          | -20         | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | -30.92          | -20         | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | -36.85          | -20         | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | -36.16          | -20         | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | -38.61          | -20         | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | -30.24          | -20         | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | -31.51          | -20         | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | -30.96          | -20         | Pass    |

### Test Graphs

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

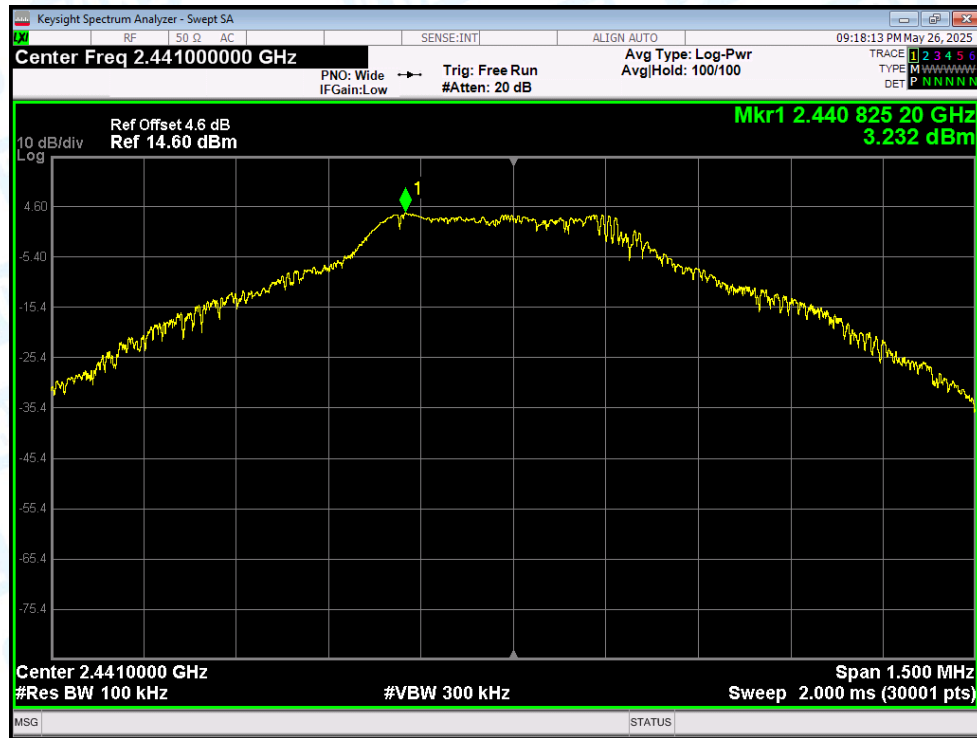


#### Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission

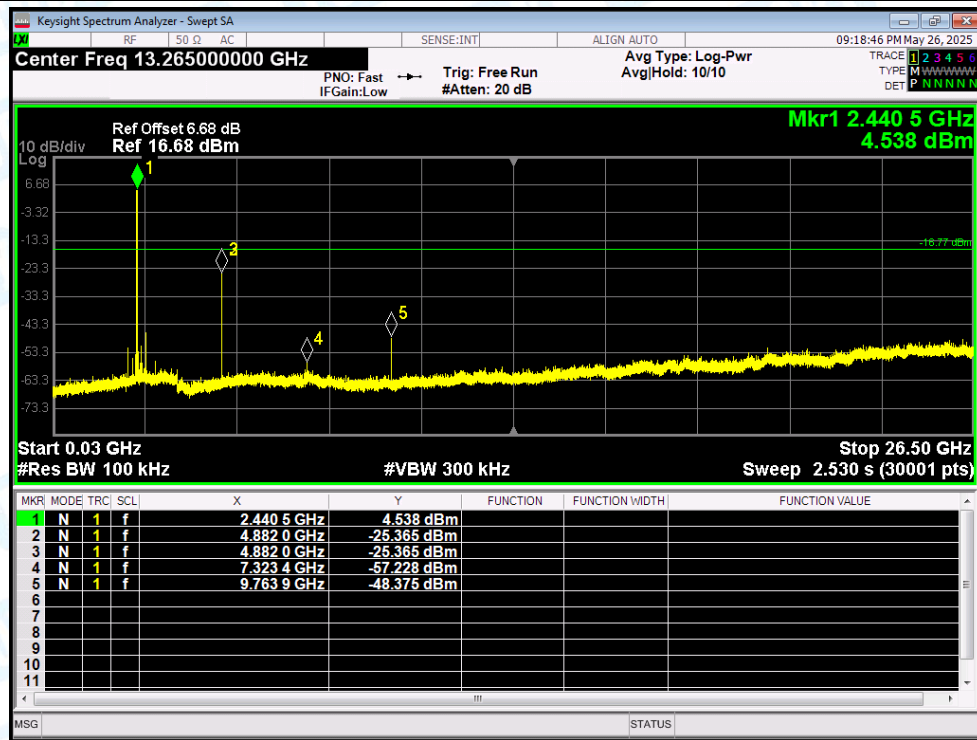




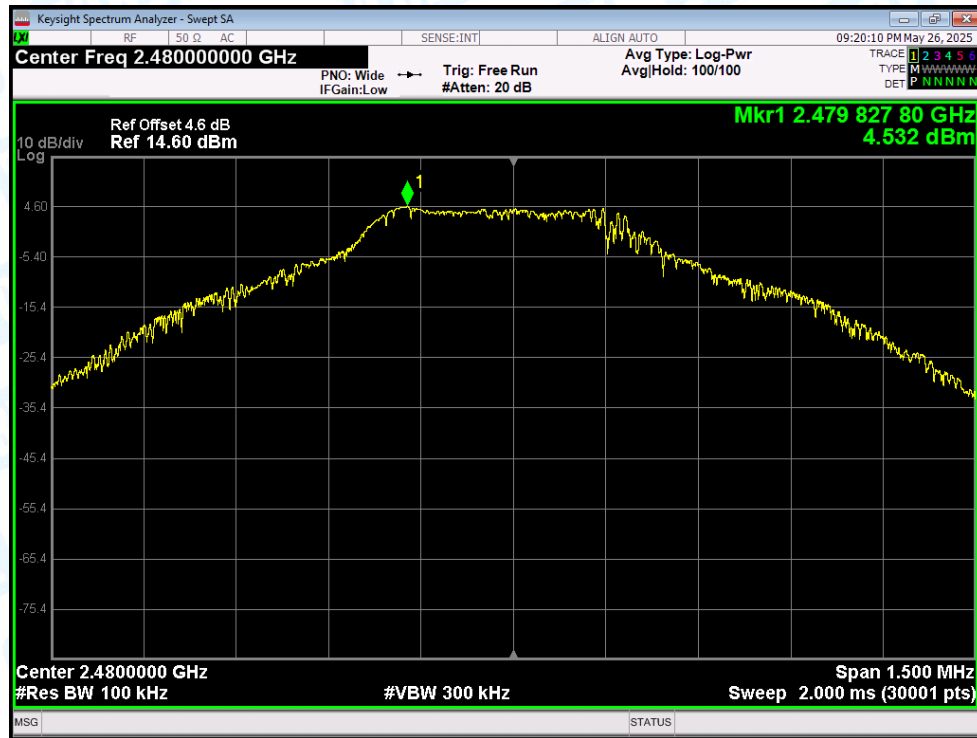
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



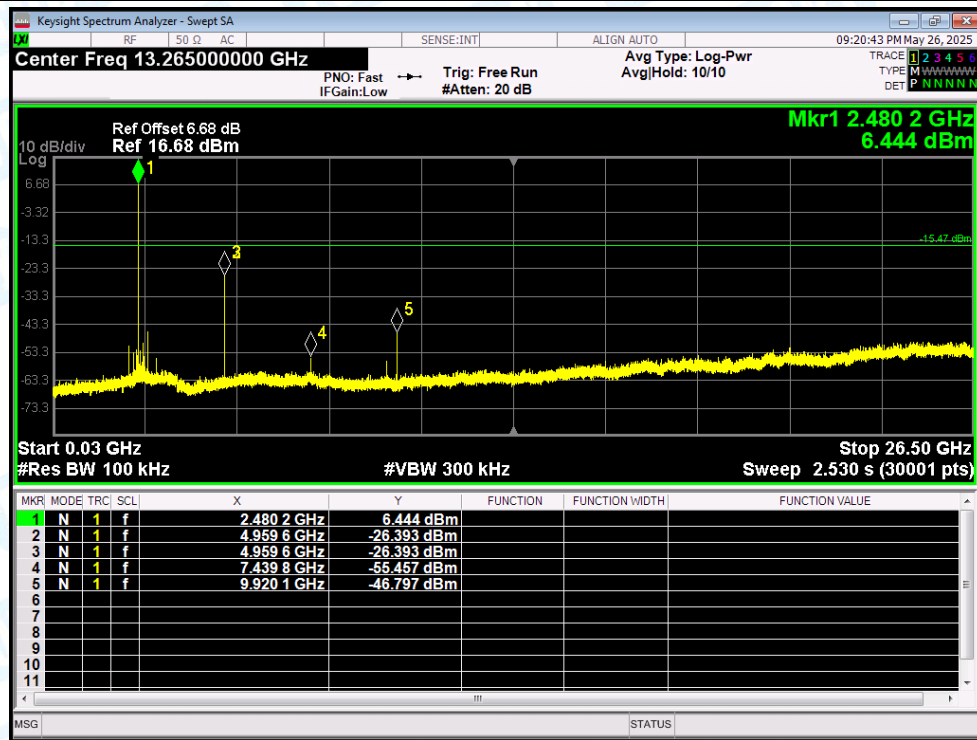
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref

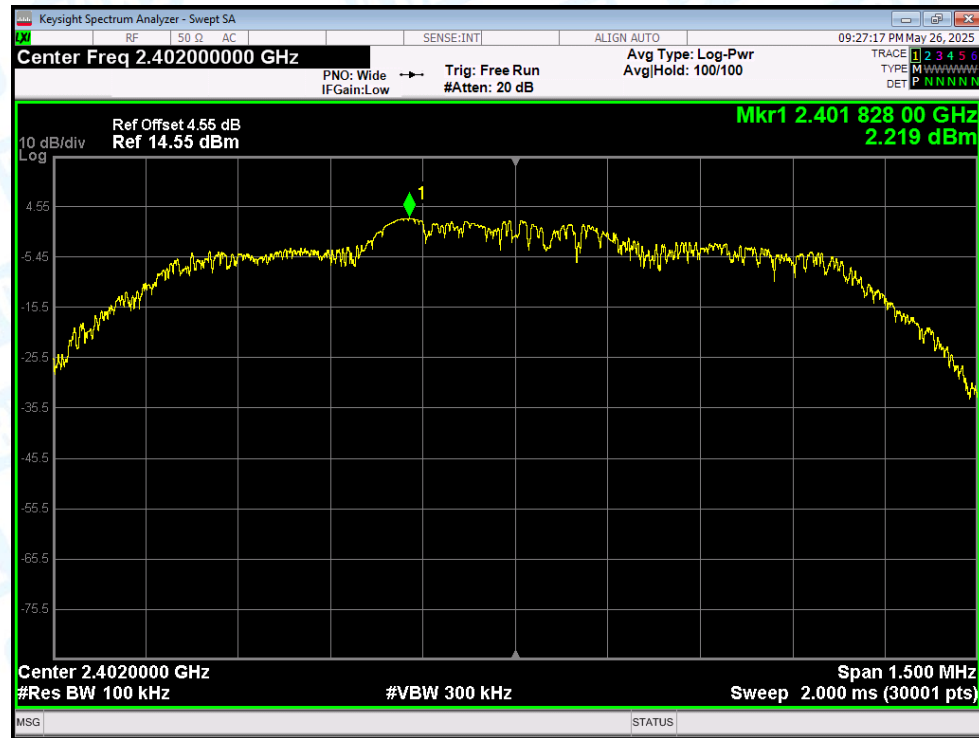


Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission

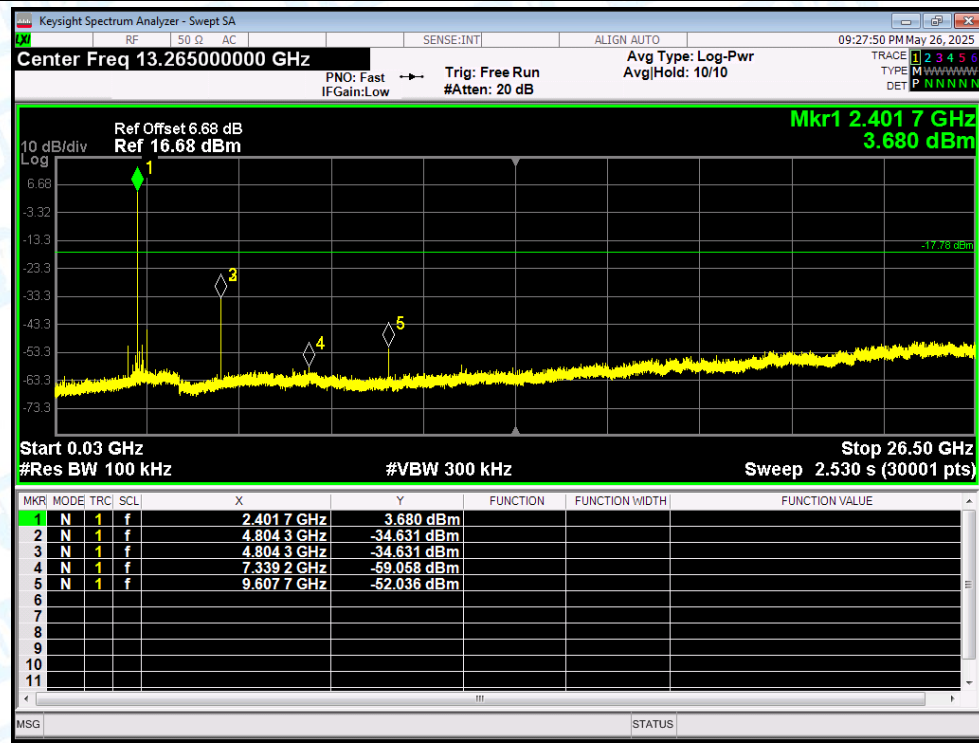




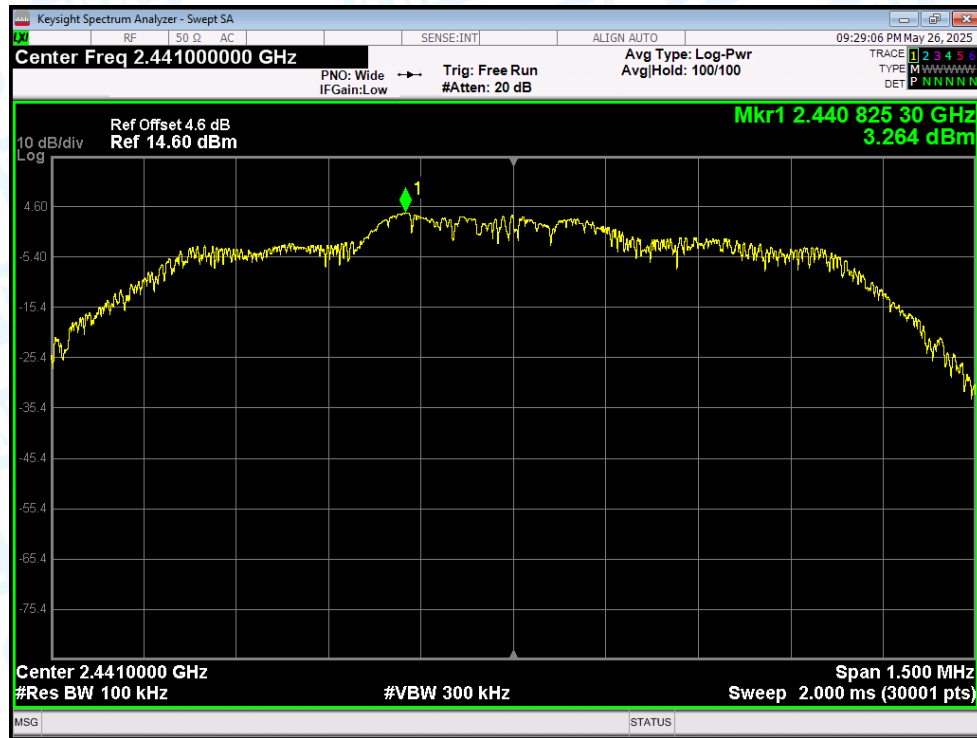
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref



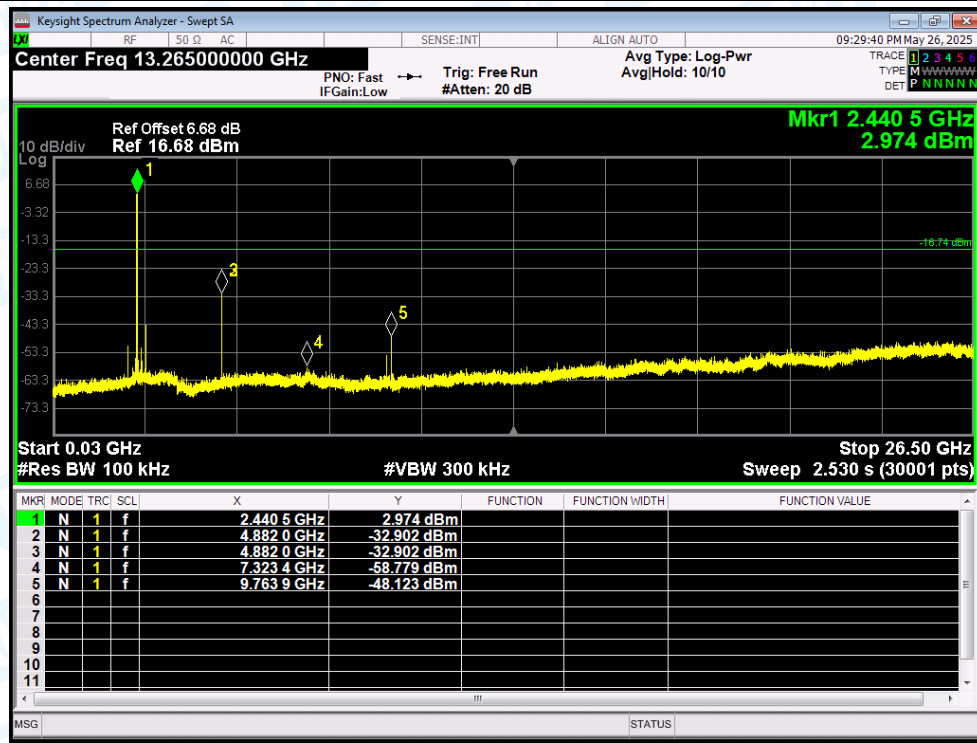
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission



Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref

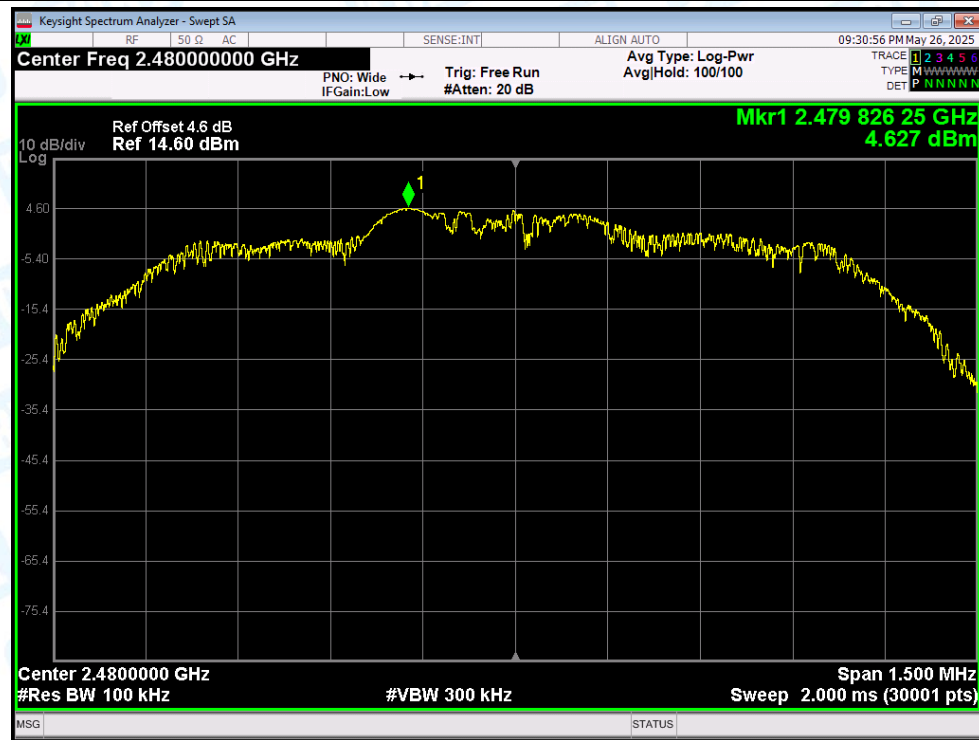


Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission

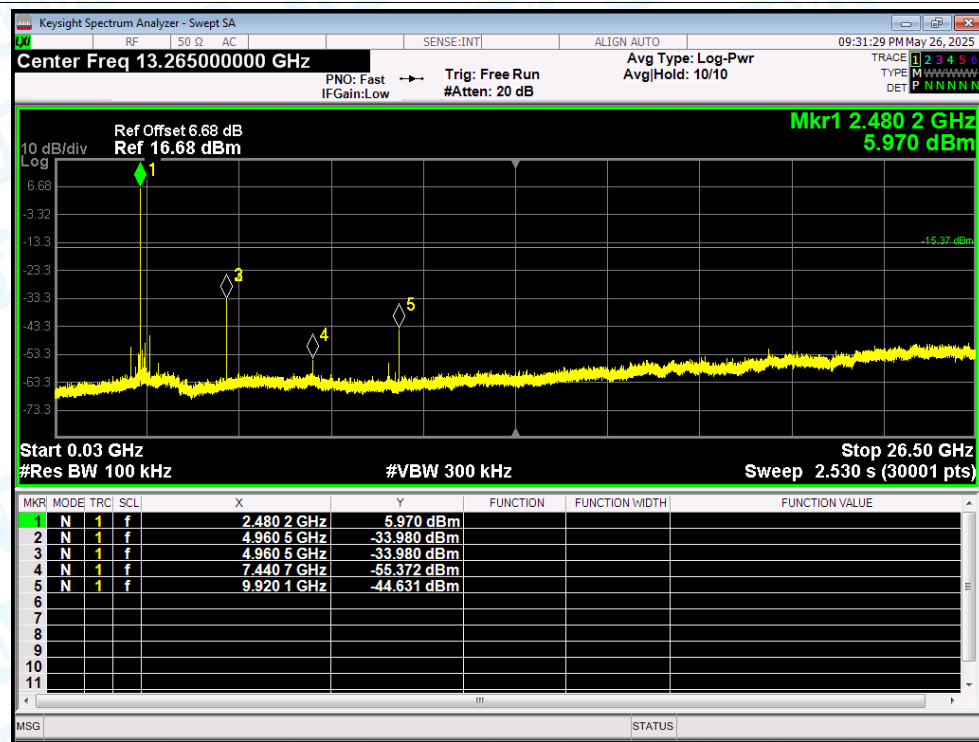




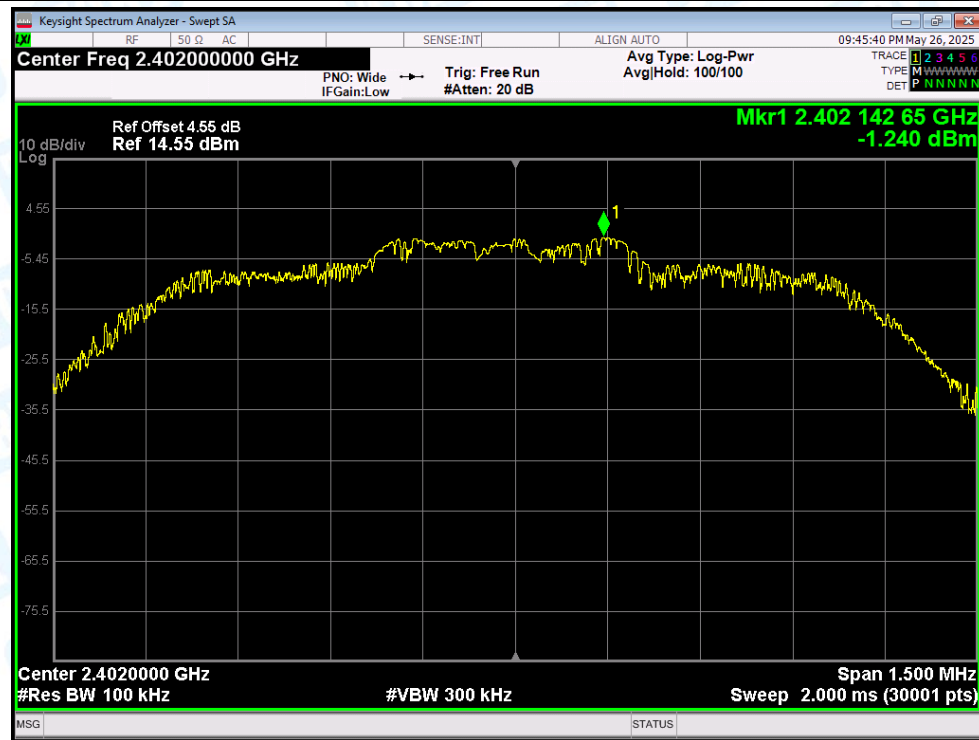
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref



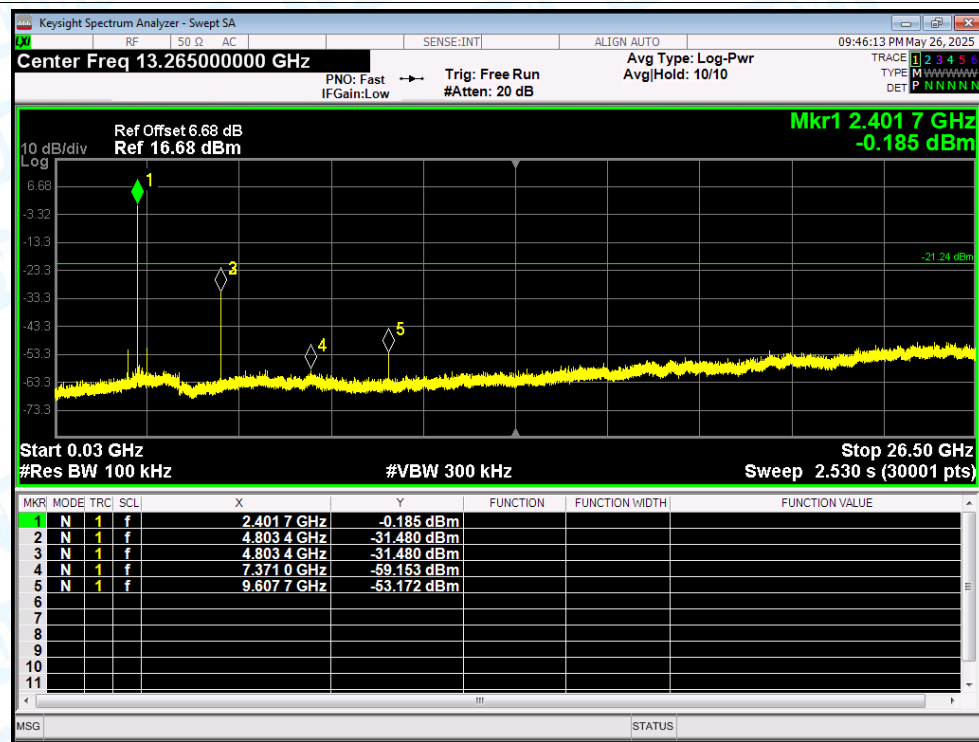
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Ref



Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Emission

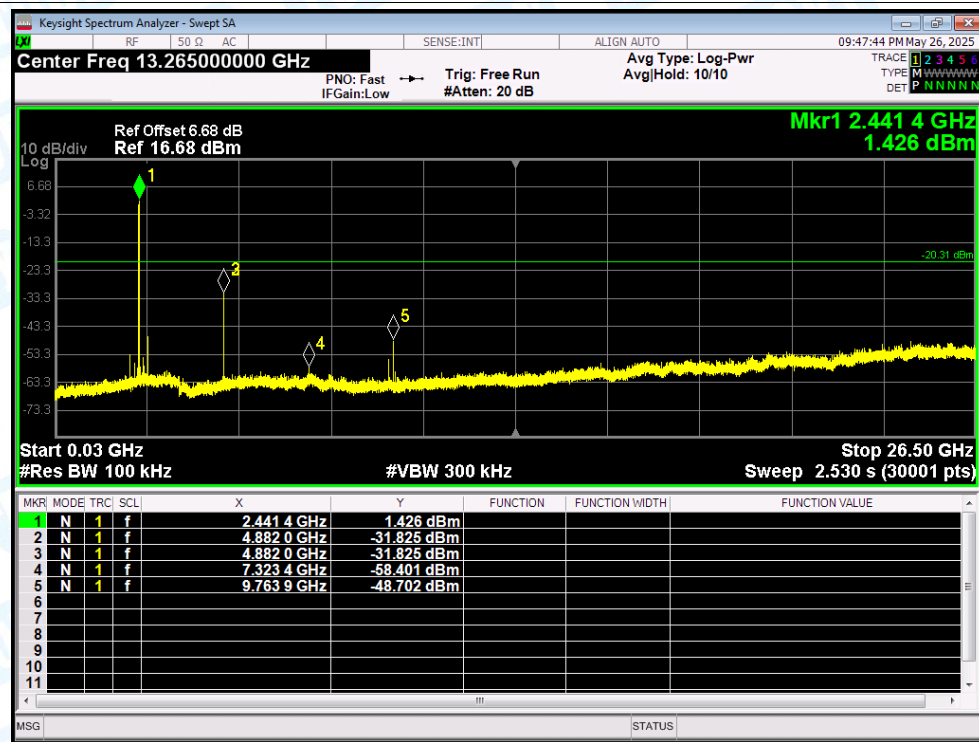




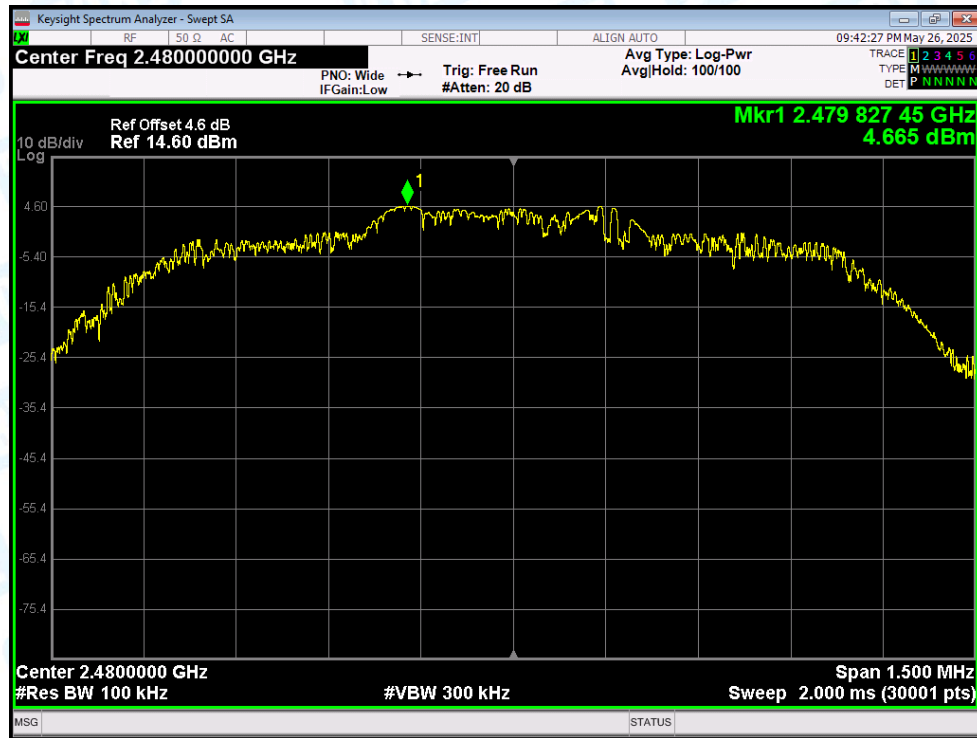
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Ref



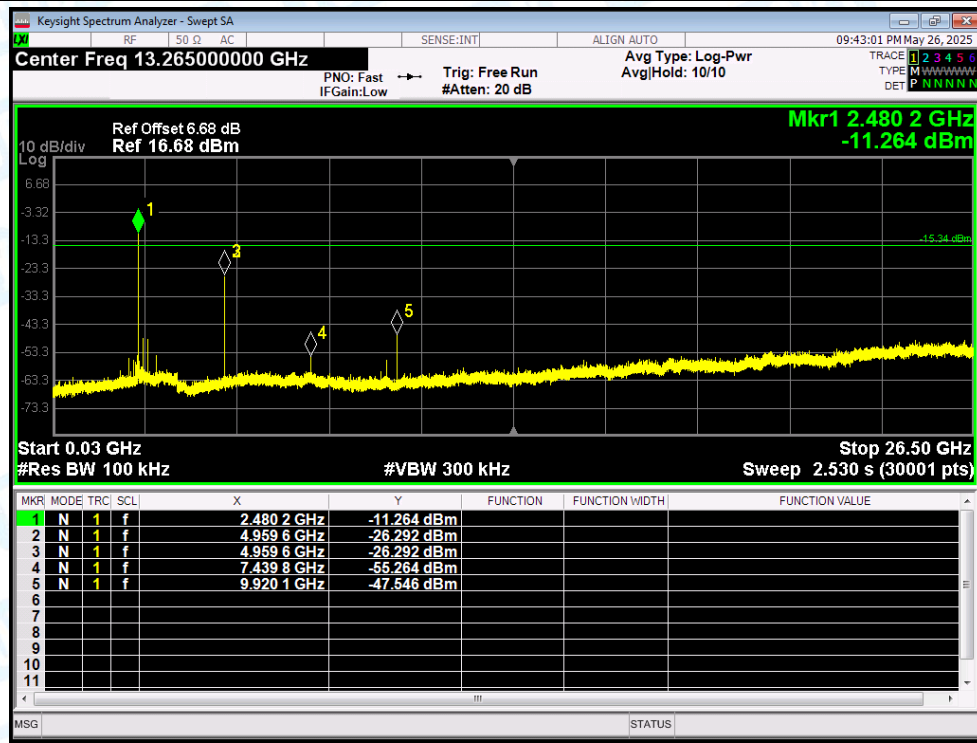
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission





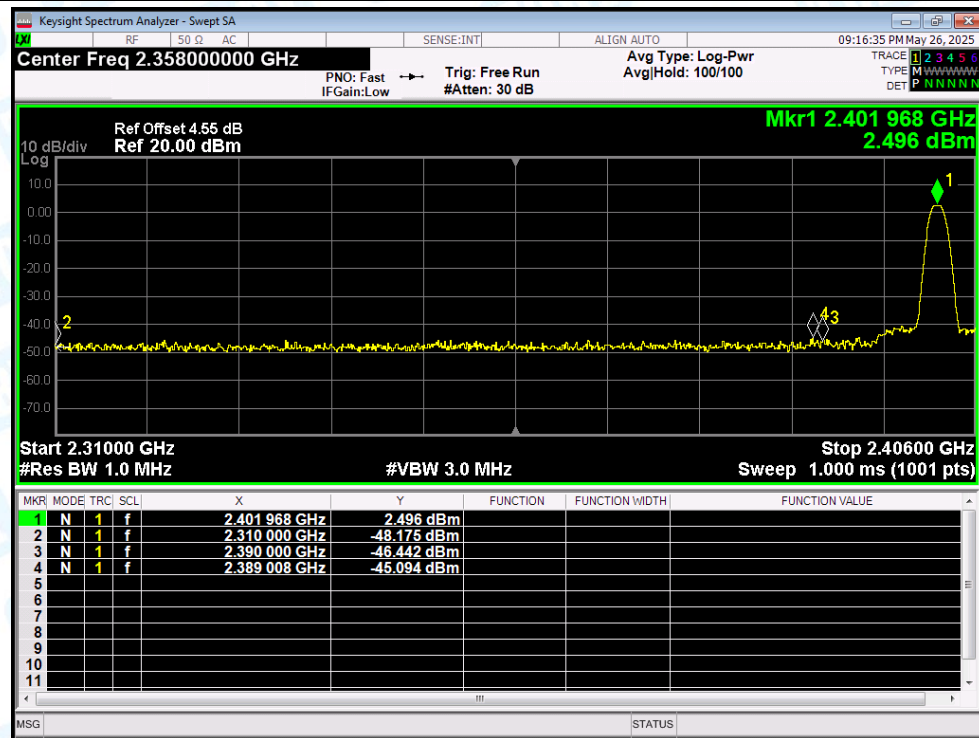
## 8. Restrict Band

| 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            | -48.18      | 2          | -                | 49.08      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -56.54      | 2          | 4.95             | 45.67      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2389.008        | -45.09      | 2          | -                | 52.17      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2384.304        | -54.85      | 2          | 4.95             | 47.36      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -46.44      | 2          | -                | 50.82      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -55.66      | 2          | 4.95             | 46.55      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -39.91      | 2          | -                | 57.35      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -50.01      | 2          | 4.95             | 52.2       | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2484.04         | -38.41      | 2          | -                | 58.85      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2484.016        | -48.78      | 2          | 4.95             | 53.43      | Average  | 54             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -45.88      | 2          | -                | 51.38      | Peak     | 74             | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -55.64      | 2          | 4.95             | 46.57      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -47.25      | 2          | -                | 50.01      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -55.71      | 2          | 4.84             | 46.39      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2314.512        | -45.1       | 2          | -                | 52.16      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2386.32         | -55.04      | 2          | 4.84             | 47.06      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -47.98      | 2          | -                | 49.28      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -55.55      | 2          | 4.84             | 46.55      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -39.82      | 2          | -                | 57.44      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -50.19      | 2          | 4.84             | 51.91      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2483.752        | -36.72      | 2          | -                | 60.54      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2483.728        | -49.71      | 2          | 4.84             | 52.39      | Average  | 54             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -46.52      | 2          | -                | 50.74      | Peak     | 74             | Pass    |
| NVNT      | 2-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -55.47      | 2          | 4.84             | 46.63      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -48.19      | 2          | -                | 49.07      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2310            | -56.21      | 2          | 4.84             | 45.89      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2365.104        | -45.19      | 2          | -                | 52.07      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2383.44         | -55.23      | 2          | 4.84             | 46.87      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -47.65      | 2          | -                | 49.61      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2402            | Ant1    | No-Hopping   | 2390            | -55.94      | 2          | 4.84             | 46.16      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -44.17      | 2          | -                | 53.09      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2483.5          | -52.3       | 2          | 4.84             | 49.8       | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2483.92         | -30.78      | 2          | -                | 66.48      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2483.8          | -49.05      | 2          | 4.84             | 53.05      | Average  | 54             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -47.97      | 2          | -                | 49.29      | Peak     | 74             | Pass    |
| NVNT      | 3-DH1 | 2480            | Ant1    | No-Hopping   | 2500            | -55.61      | 2          | 4.84             | 46.49      | Average  | 54             | Pass    |

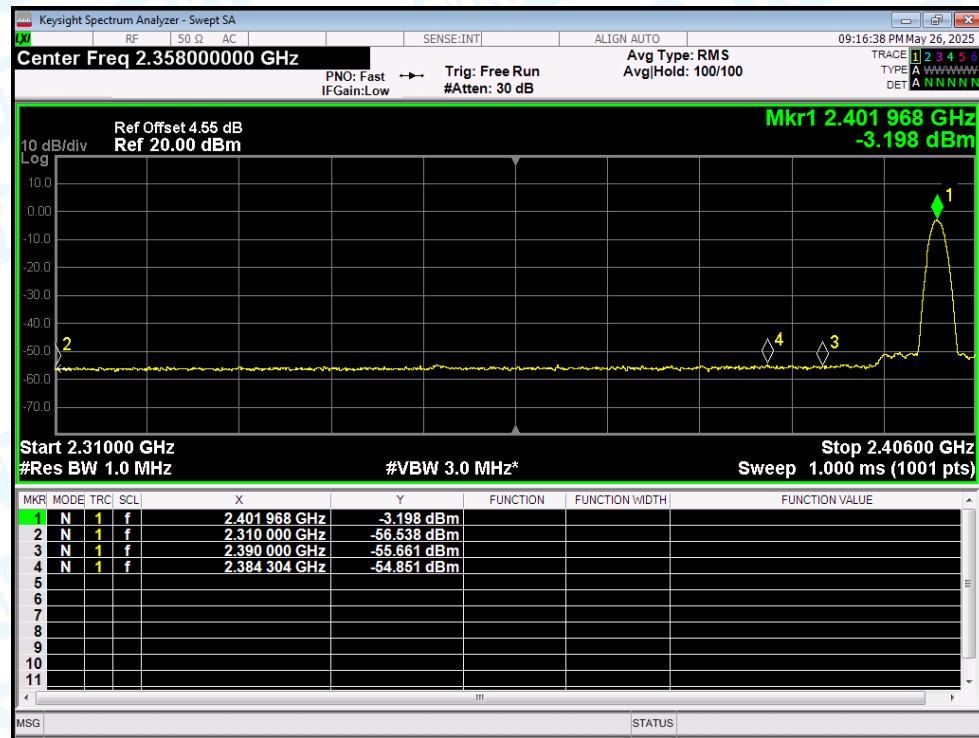


### Test Graphs

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

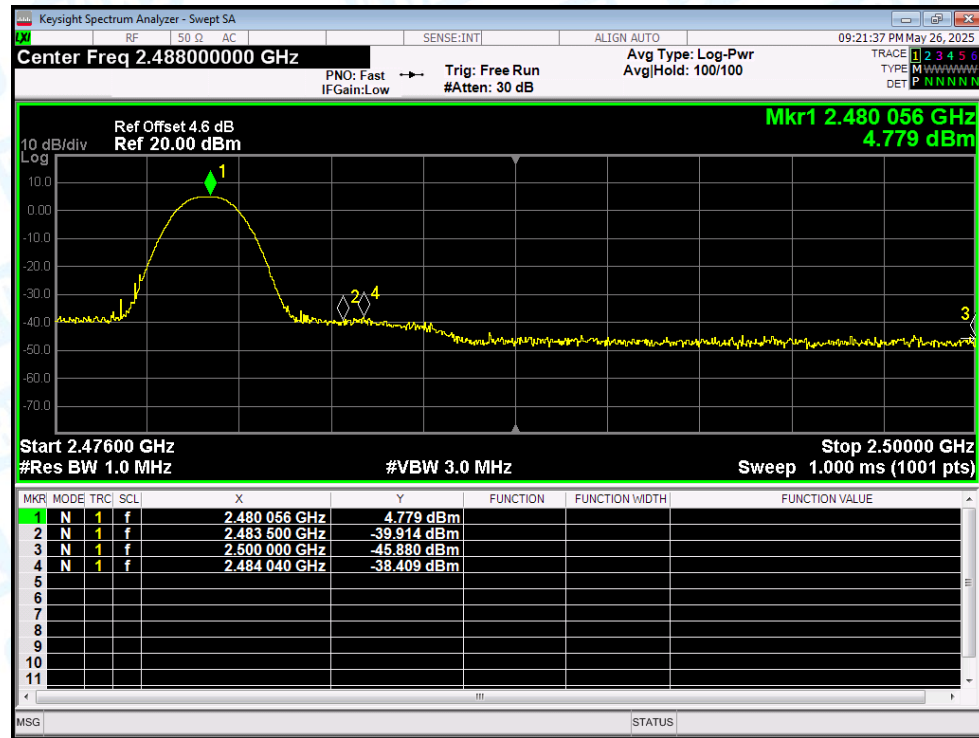


#### Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Average

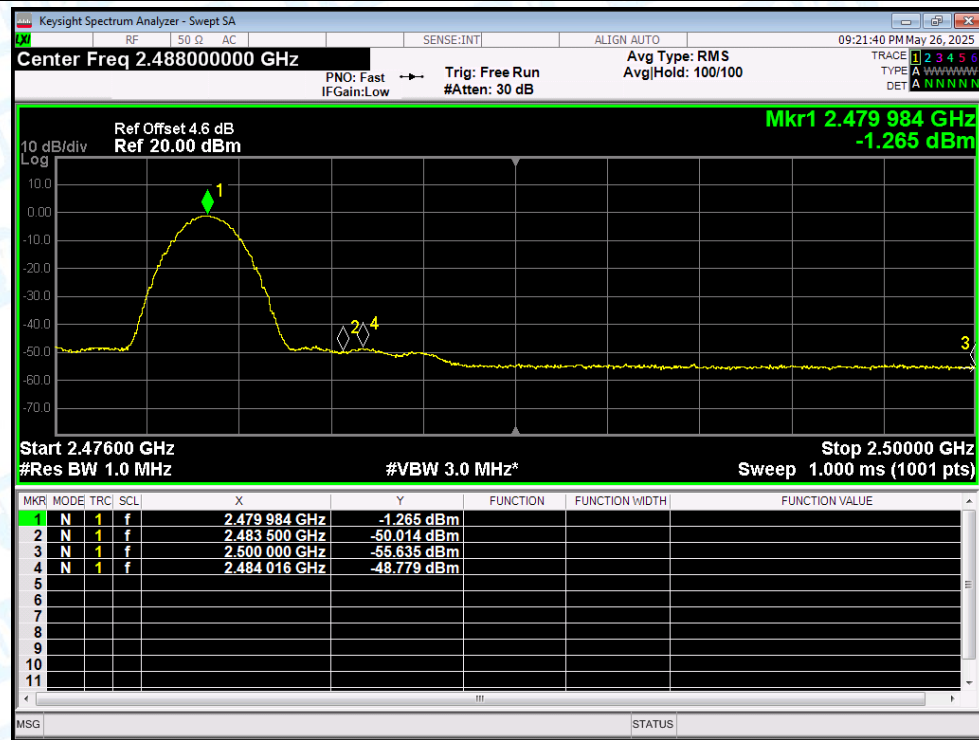




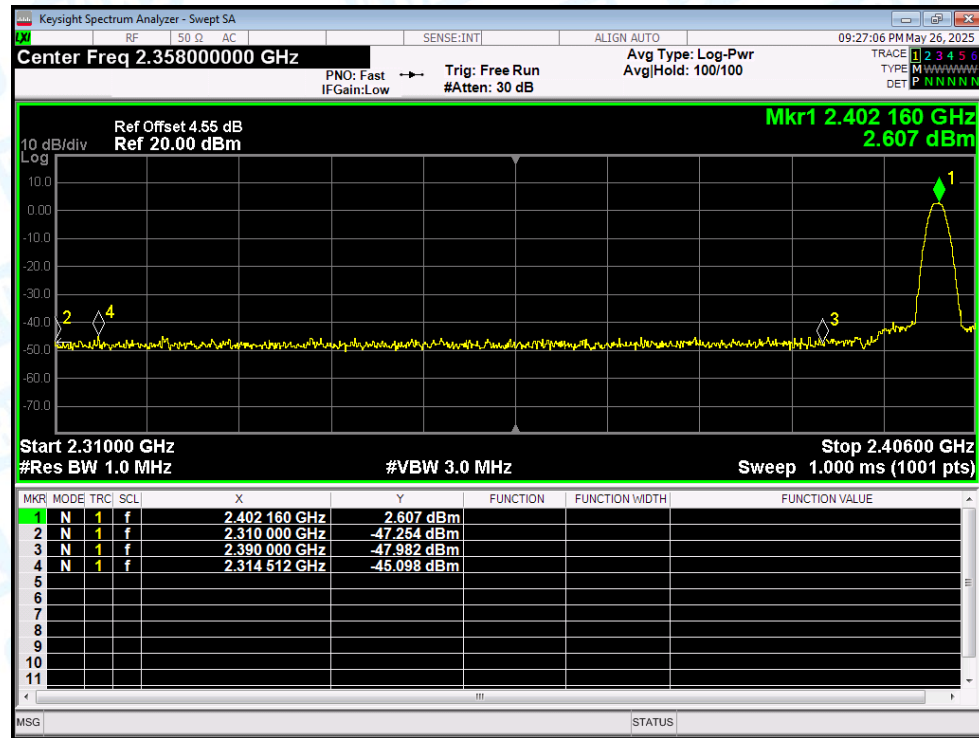
Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Peak



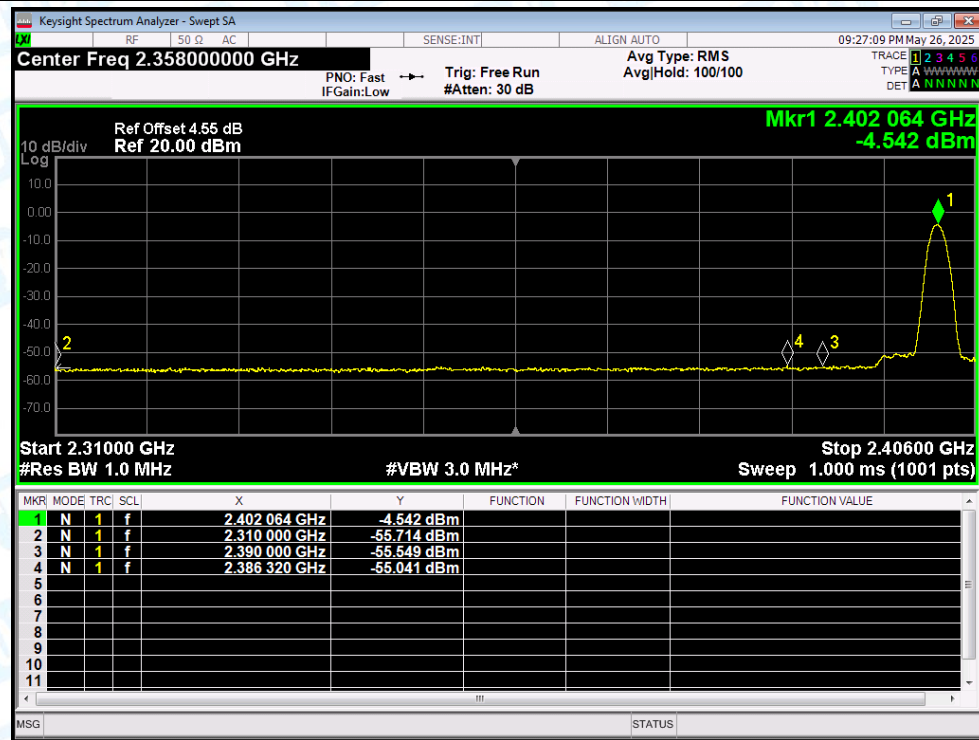
Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Average



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

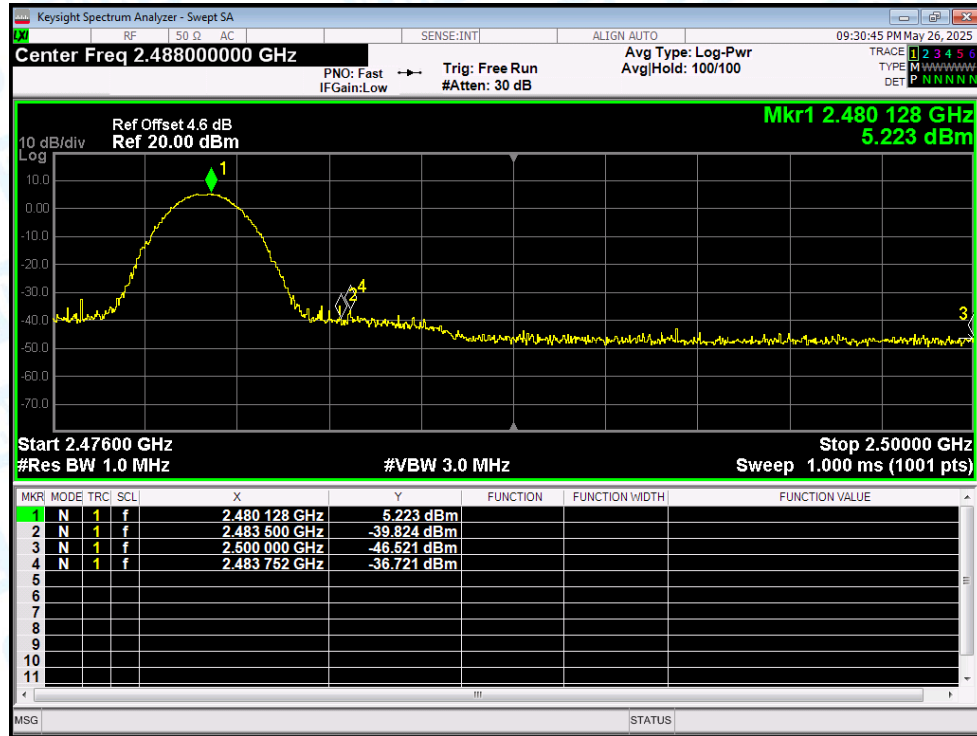


Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Average

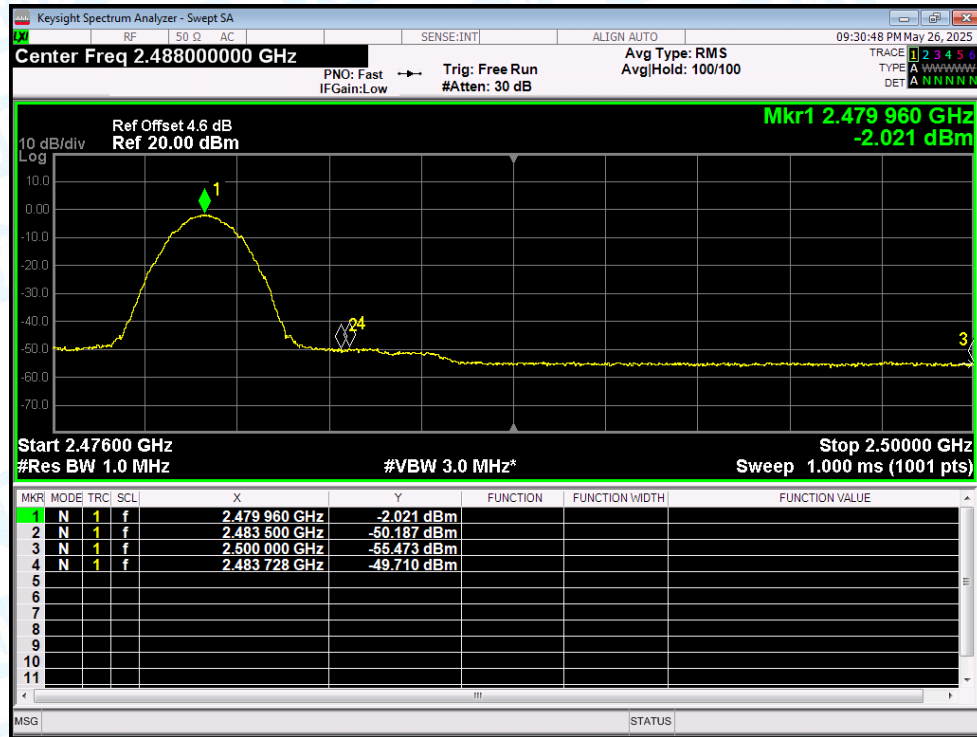




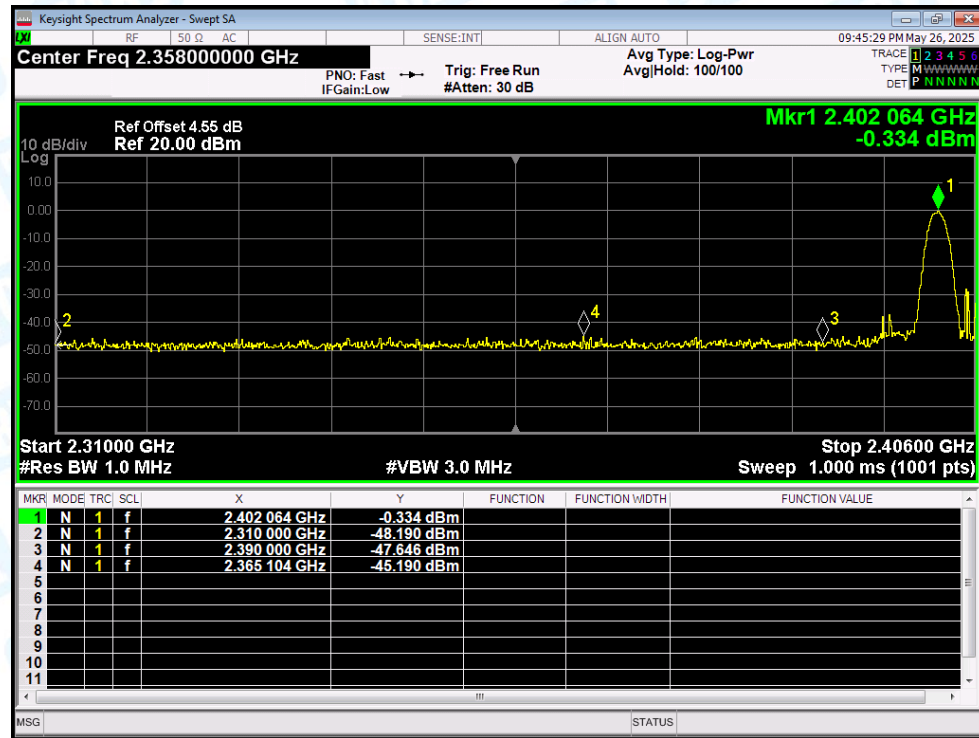
Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Peak



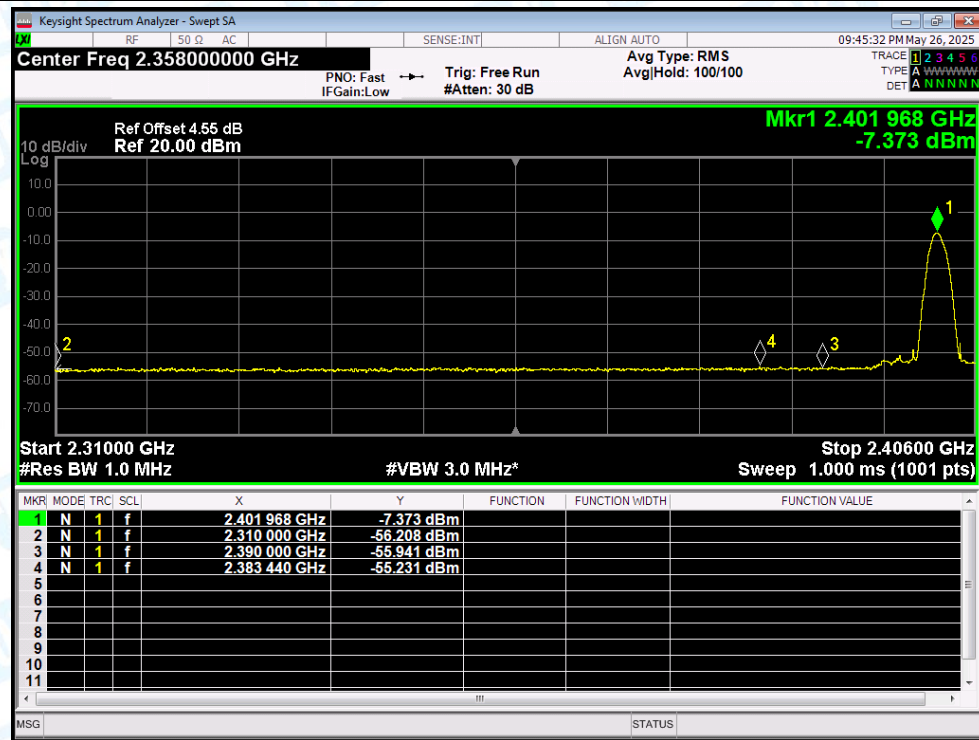
Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Average



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

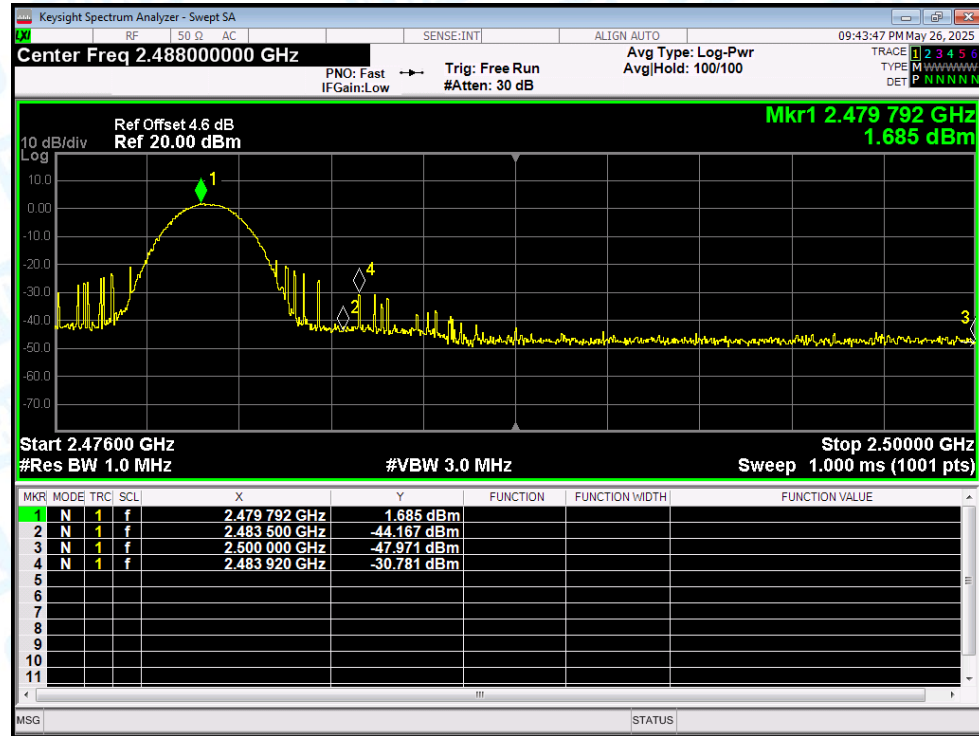


Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Average

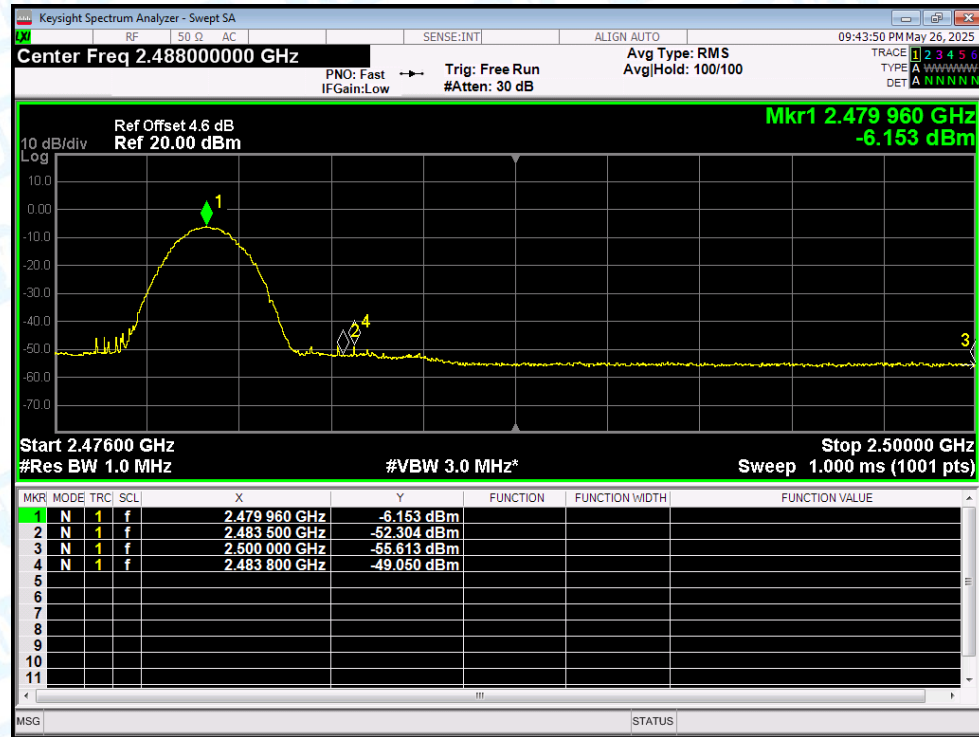




Restrict Band NVNT 3-DH1 2480MHz Ant1 No-Hopping Peak



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



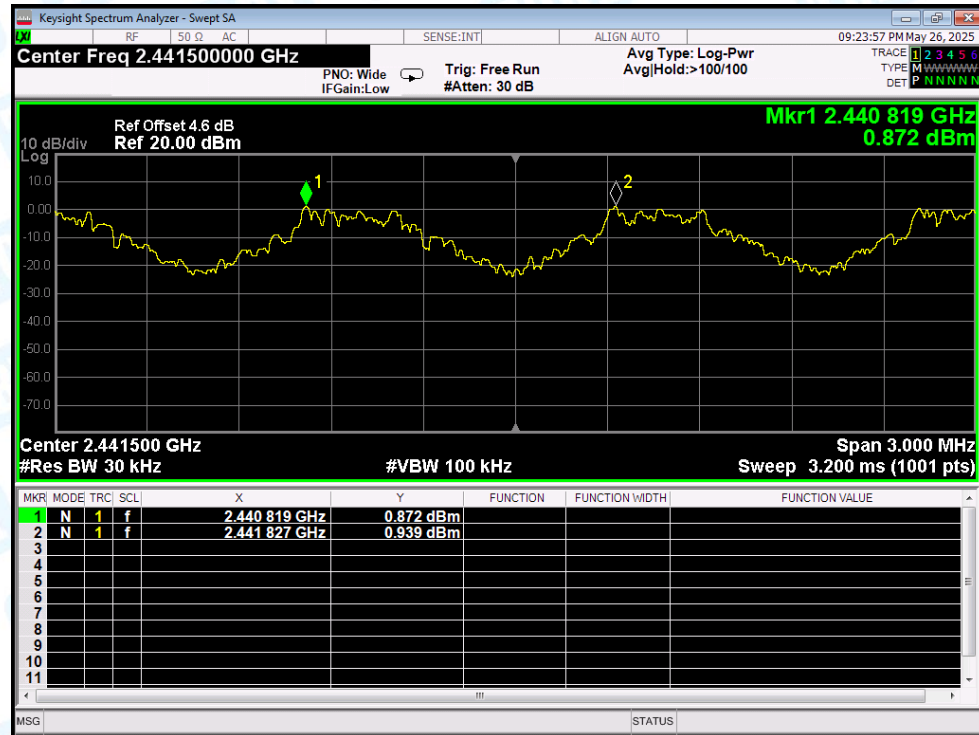
## 9. Carrier Frequencies Separation

| Condition | Mode  | Antenna | Hopping Freq1 (MHz) | Hopping Freq2 (MHz) | HFS (MHz) | Limit (MHz) | Verdict |
|-----------|-------|---------|---------------------|---------------------|-----------|-------------|---------|
| NVNT      | 1-DH1 | Ant1    | 2440.819            | 2441.827            | 1.008     | 0.58        | Pass    |
| NVNT      | 2-DH1 | Ant1    | 2440.822            | 2441.827            | 1.005     | 0.833       | Pass    |
| NVNT      | 3-DH1 | Ant1    | 2440.822            | 2442.145            | 1.323     | 0.833       | Pass    |

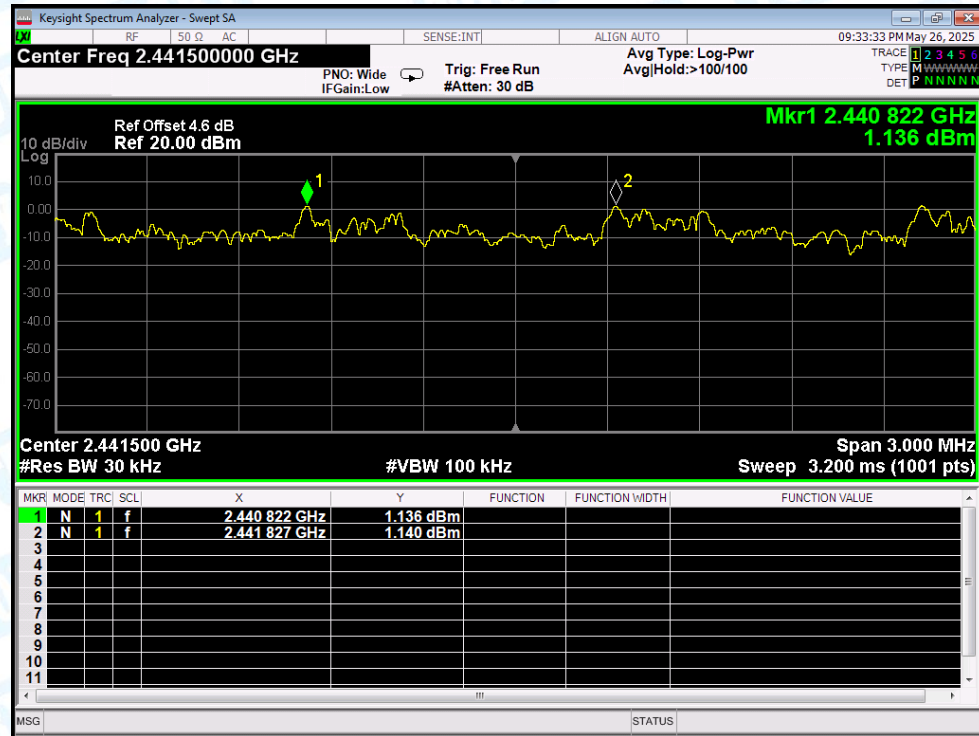


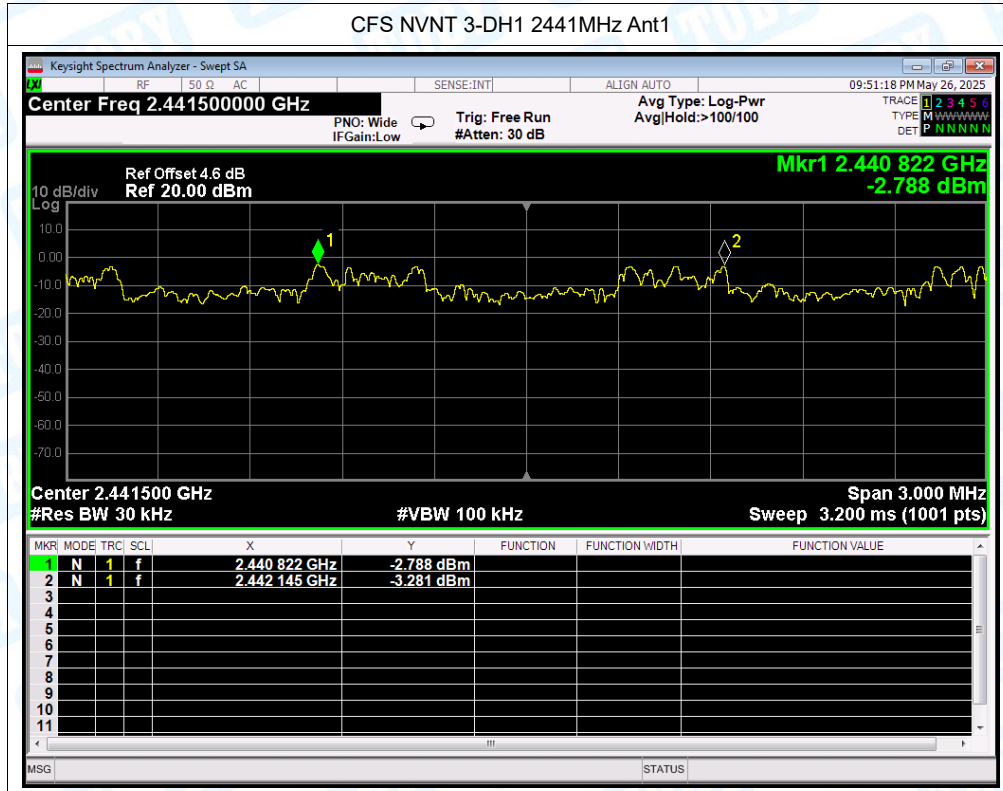
### Test Graphs

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



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





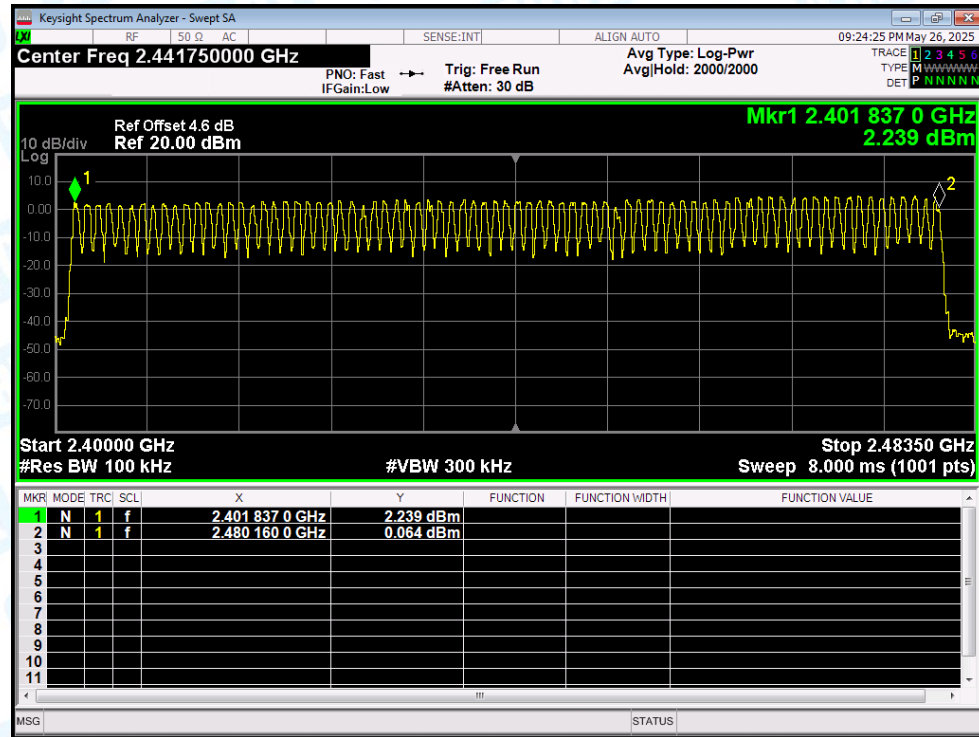


## 10. Number of Hopping Channel

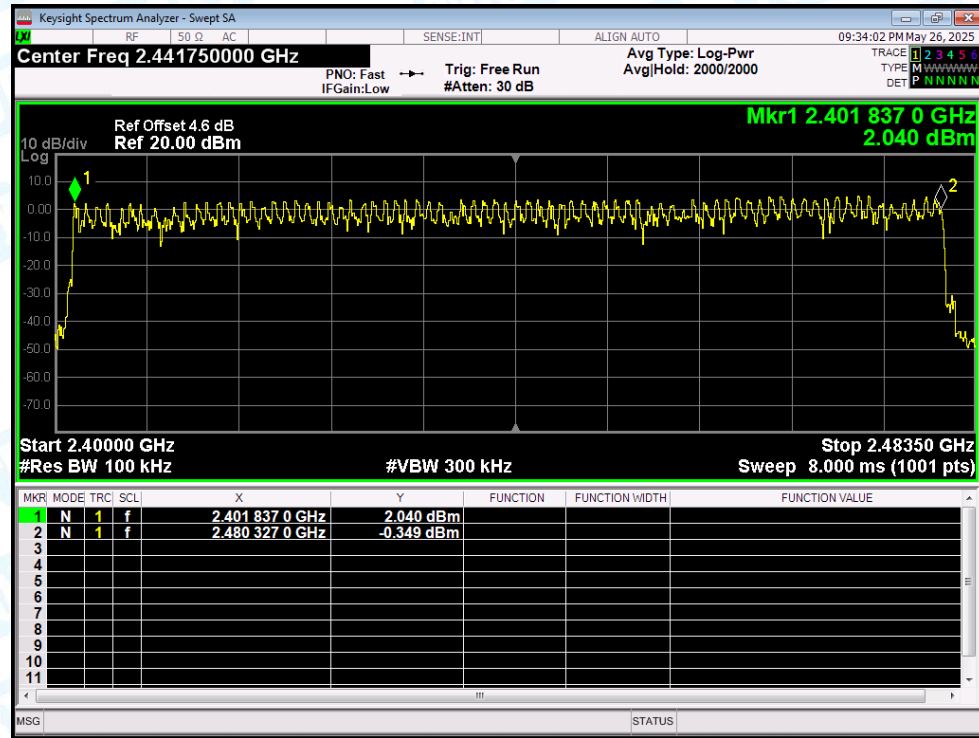
| Condition | Mode  | Antenna | Hopping Number | Limit | Verdict |
|-----------|-------|---------|----------------|-------|---------|
| NVNT      | 1-DH1 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 2-DH1 | Ant1    | 79             | 15    | Pass    |
| NVNT      | 3-DH1 | Ant1    | 79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

### Test Graphs

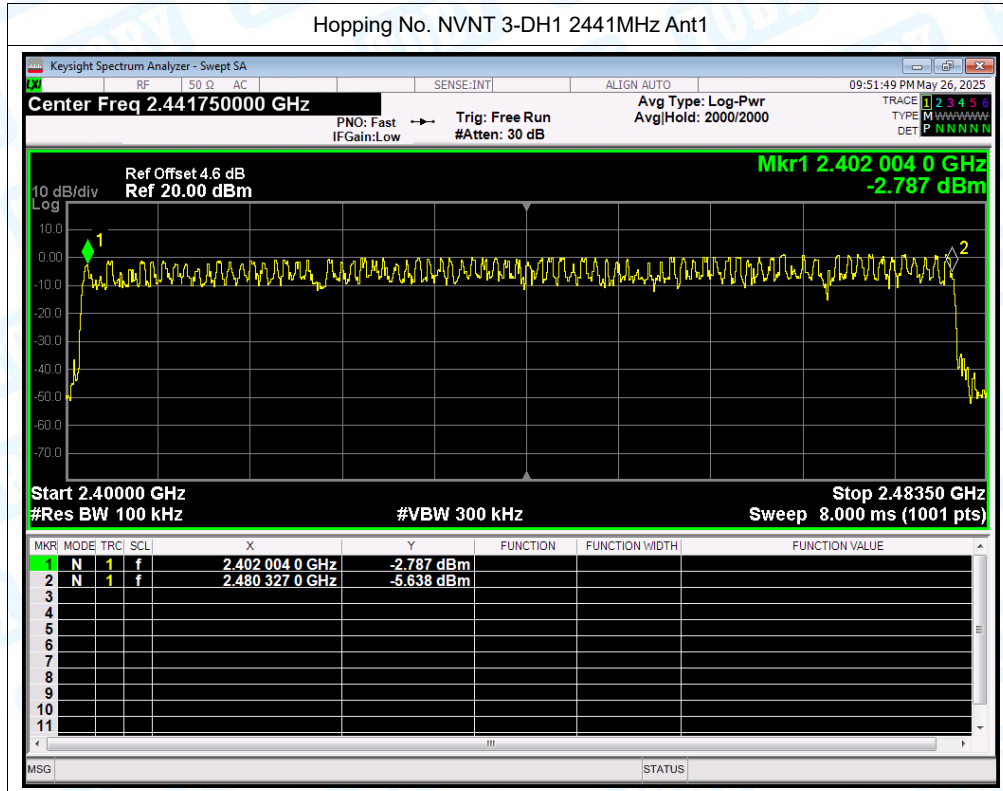
Hopping No. NVNT 1-DH1 2441MHz Ant1



Hopping No. NVNT 2-DH1 2441MHz Ant1







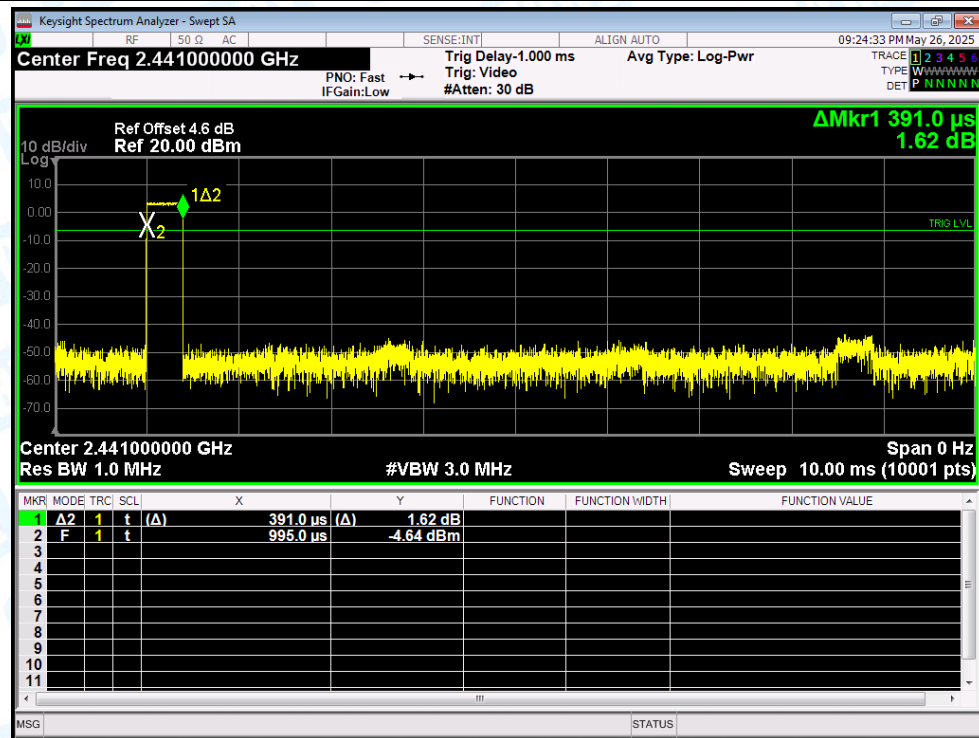
## 11. Dwell Time

| Condition | Mode  | Frequency (MHz) | Antenna | Pulse Time (ms) | Total Dwell Time (ms) | Period Time (ms) | Limit (ms) | Verdict |
|-----------|-------|-----------------|---------|-----------------|-----------------------|------------------|------------|---------|
| NVNT      | 1-DH1 | 2441            | Ant1    | 0.391           | 125.12                | 31600            | 400        | Pass    |
| NVNT      | 1-DH3 | 2441            | Ant1    | 1.647           | 263.52                | 31600            | 400        | Pass    |
| NVNT      | 1-DH5 | 2441            | Ant1    | 2.896           | 308.907               | 31600            | 400        | Pass    |
| NVNT      | 2-DH1 | 2441            | Ant1    | 0.4             | 128                   | 31600            | 400        | Pass    |
| NVNT      | 2-DH3 | 2441            | Ant1    | 1.653           | 264.48                | 31600            | 400        | Pass    |
| NVNT      | 2-DH5 | 2441            | Ant1    | 2.901           | 309.44                | 31600            | 400        | Pass    |
| NVNT      | 3-DH1 | 2441            | Ant1    | 0.404           | 129.28                | 31600            | 400        | Pass    |
| NVNT      | 3-DH3 | 2441            | Ant1    | 1.653           | 264.48                | 31600            | 400        | Pass    |
| NVNT      | 3-DH5 | 2441            | Ant1    | 2.904           | 309.76                | 31600            | 400        | Pass    |

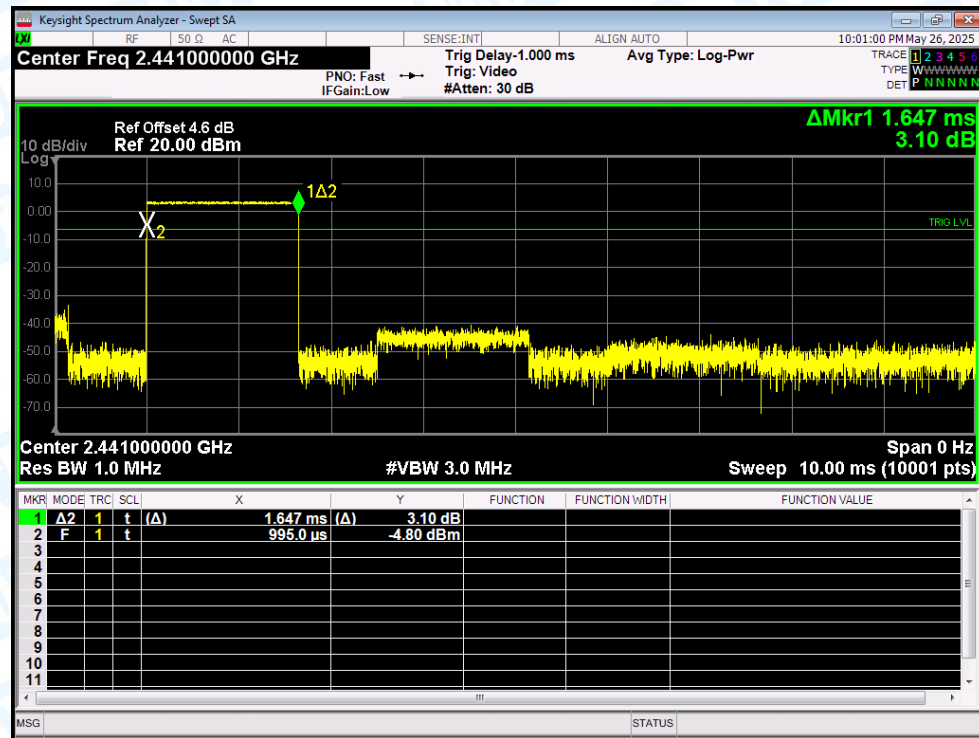


### Test Graphs

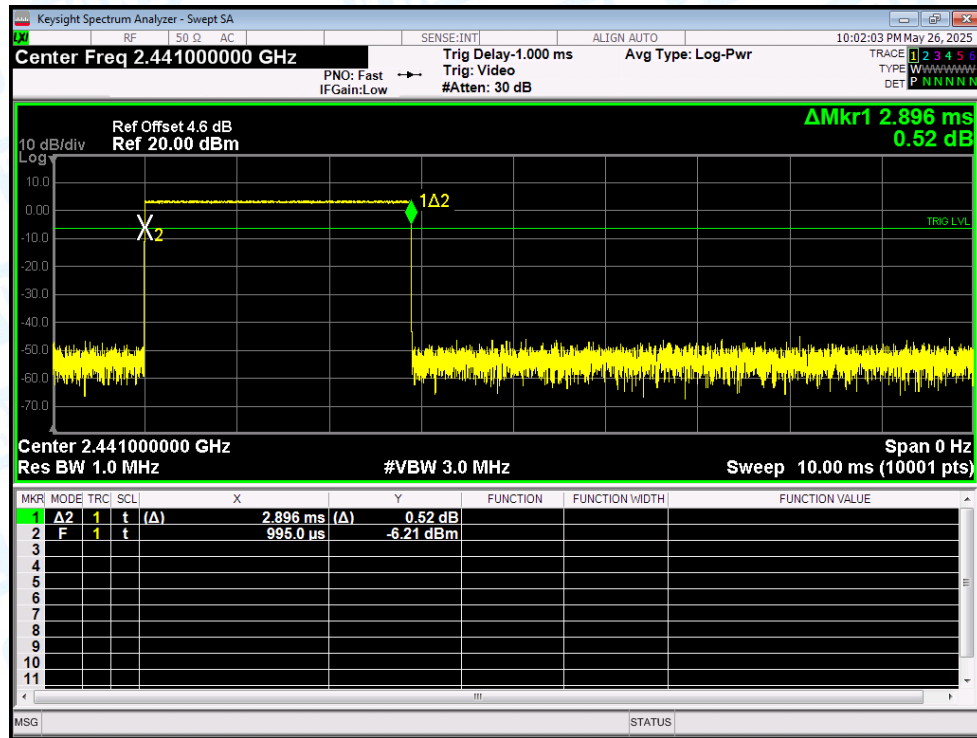
#### Dwell NVNT 1-DH1 2441MHz Ant1



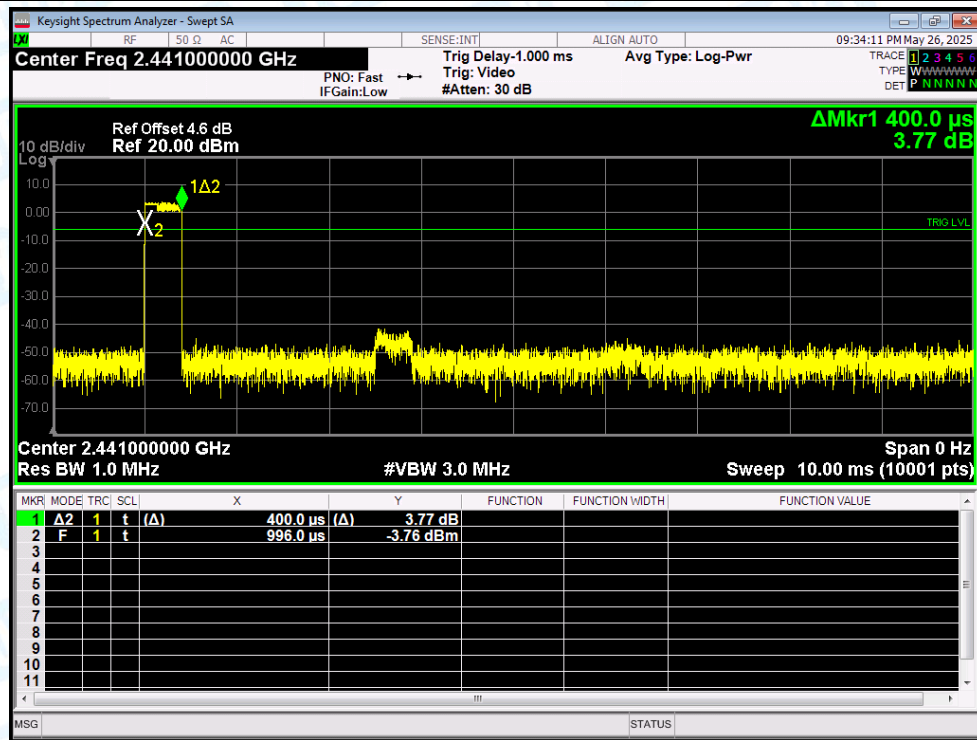
#### Dwell NVNT 1-DH3 2441MHz Ant1



Dwell NVNT 1-DH5 2441MHz Ant1

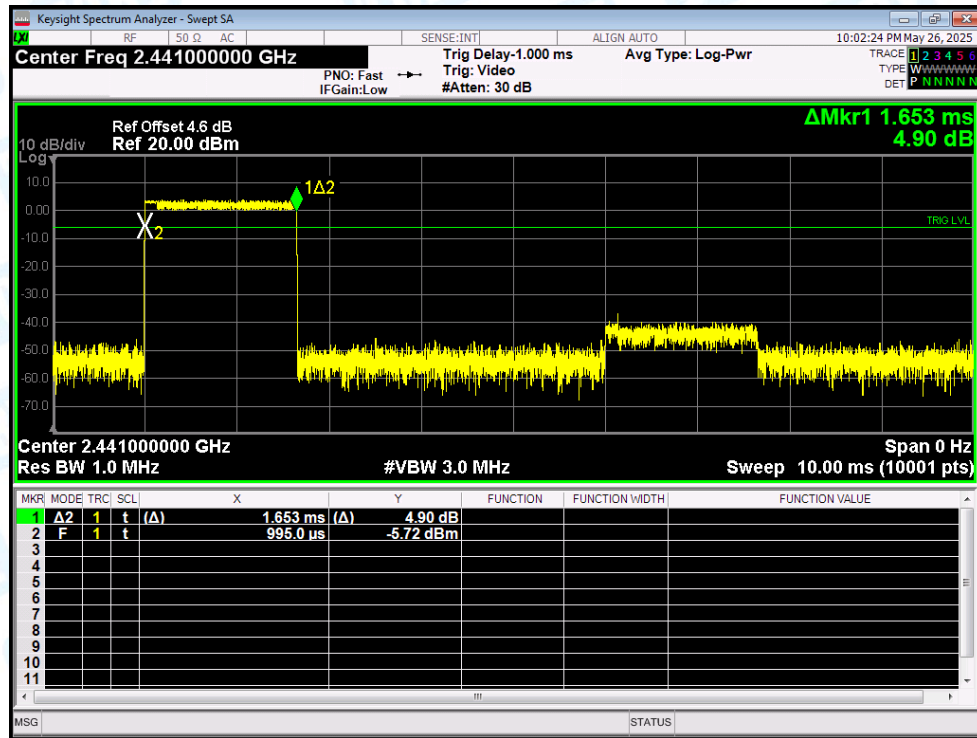


Dwell NVNT 2-DH1 2441MHz Ant1

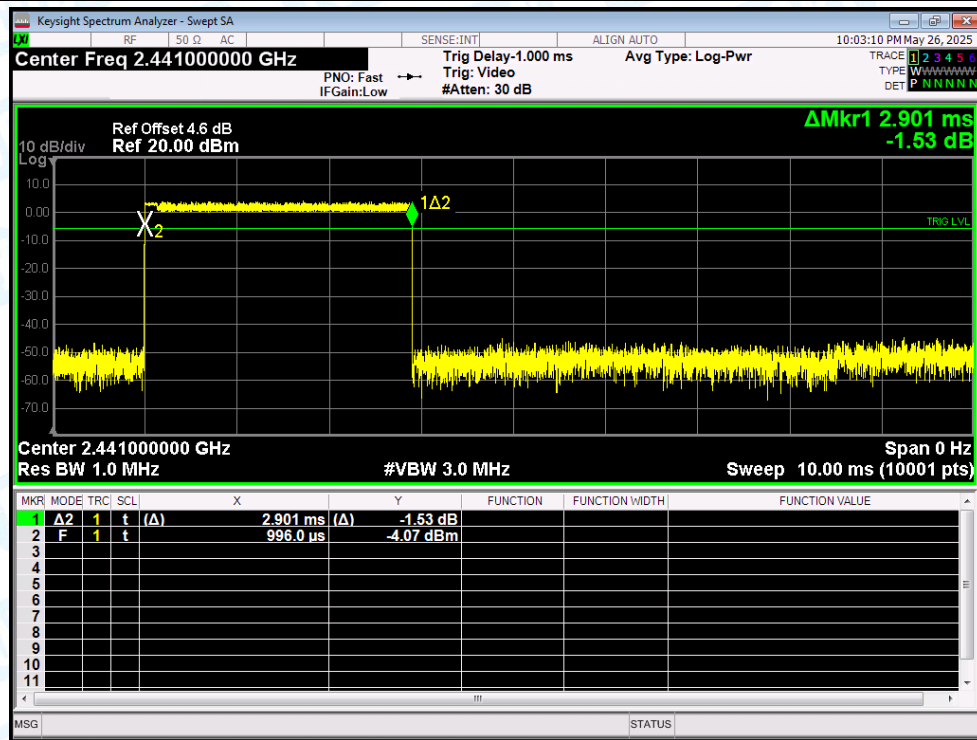




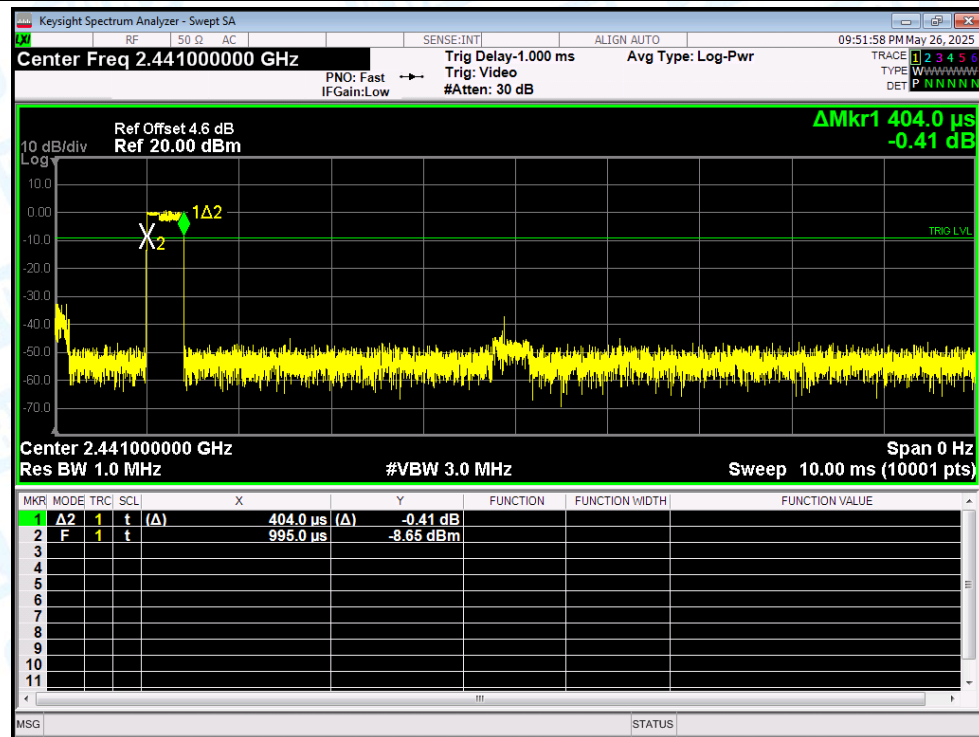
Dwell NVNT 2-DH3 2441MHz Ant1



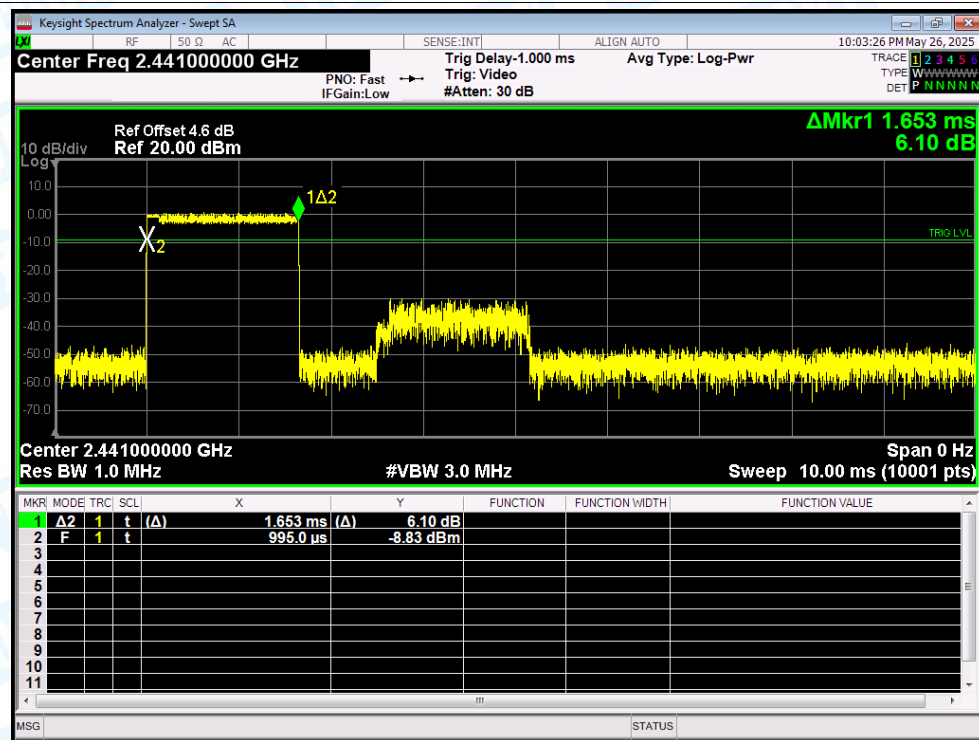
Dwell NVNT 2-DH5 2441MHz Ant1



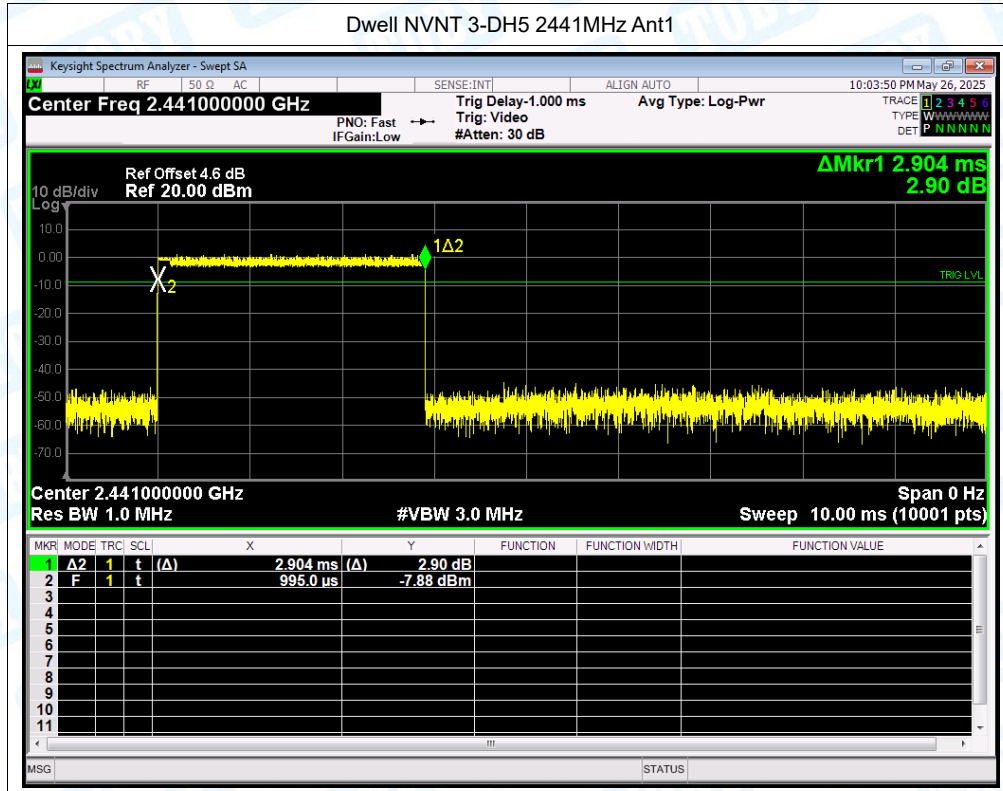
Dwell NVNT 3-DH1 2441MHz Ant1



Dwell NVNT 3-DH3 2441MHz Ant1







--- END OF REPORT ---