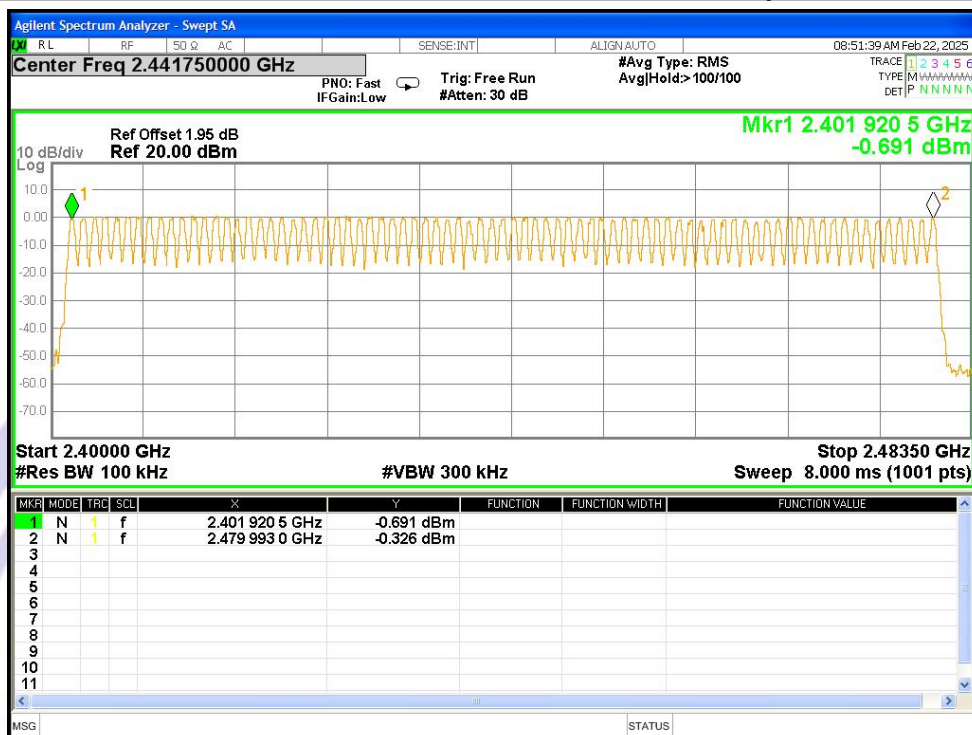
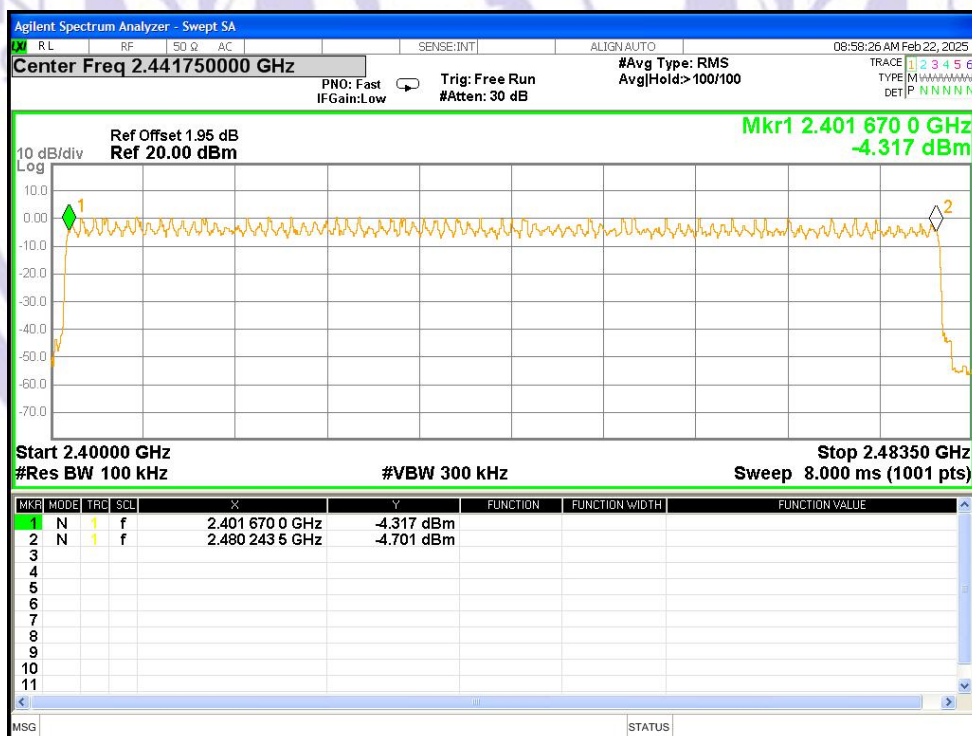




Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1



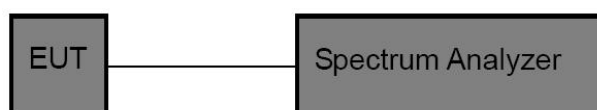
Hopping No. NVNT 3-DH5 2402MHz Ant1

## 12 Dwell Time Test

### 12.1 Test Standard and Limit

|               |                                                  |
|---------------|--------------------------------------------------|
| Test Standard | FCC Part15 C Section 15.247 (a)(1), RSS-247 §5.1 |
| Test Limit    | 0.4 sec                                          |

### 12.2 Test Setup



### 12.3 Test Procedure

The EUT must have its hopping function enabled. Use the following spectrum analyzer settings:

1. Span= zero span, centered on a hopping channel
2. Set the RBW = 1 MHz.
3. Set the VBW = 3 MHz.
4. Sweep time = as necessary to capture the entire dwell time per hopping channel.
5. Detector function = peak.
6. Trace mode = max hold.
7. Allow trace to fully stabilize.

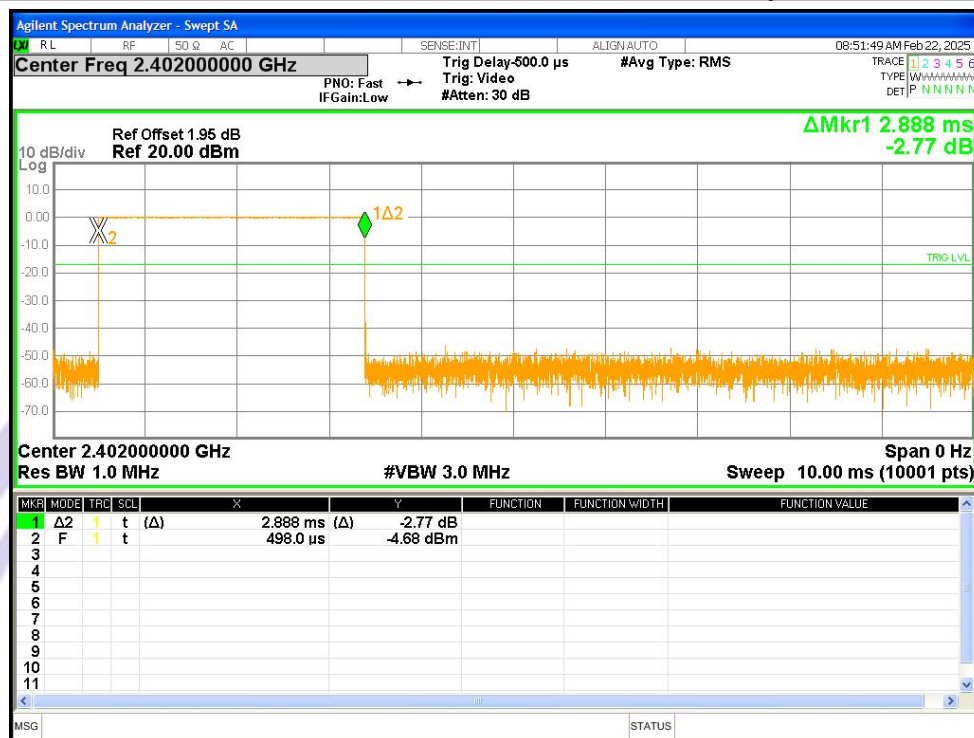
### 12.4 Test Data

Please see the attachment for data.

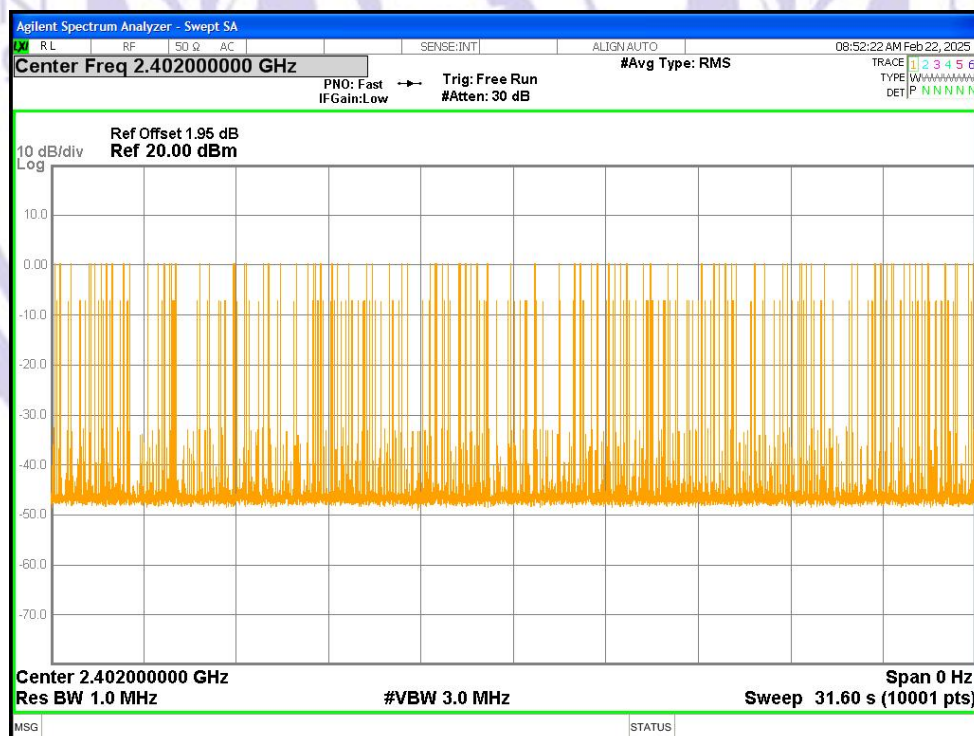
| Mode  | Frequency (MHz) | Antenna | Pulse Time (ms) | Total Dwell Time (ms) | Burst Count | Period Time (ms) | Limit (ms) | Verdict |
|-------|-----------------|---------|-----------------|-----------------------|-------------|------------------|------------|---------|
| 1-DH5 | 2402            | Ant1    | 2.888           | 323.456               | 112         | 31600            | 400        | Pass    |
| 1-DH5 | 2441            | Ant1    | 2.888           | 297.464               | 103         | 31600            | 400        | Pass    |
| 1-DH5 | 2480            | Ant1    | 2.887           | 317.57                | 110         | 31600            | 400        | Pass    |
| 2-DH5 | 2402            | Ant1    | 2.892           | 338.364               | 117         | 31600            | 400        | Pass    |
| 2-DH5 | 2441            | Ant1    | 2.892           | 323.904               | 112         | 31600            | 400        | Pass    |
| 2-DH5 | 2480            | Ant1    | 2.892           | 294.984               | 102         | 31600            | 400        | Pass    |
| 3-DH5 | 2402            | Ant1    | 2.894           | 312.552               | 108         | 31600            | 400        | Pass    |
| 3-DH5 | 2441            | Ant1    | 2.894           | 274.93                | 95          | 31600            | 400        | Pass    |
| 3-DH5 | 2480            | Ant1    | 2.894           | 318.34                | 110         | 31600            | 400        | Pass    |

Note1: Total Dwell Time (ms)=Pulse Time (ms)\*Burst Count

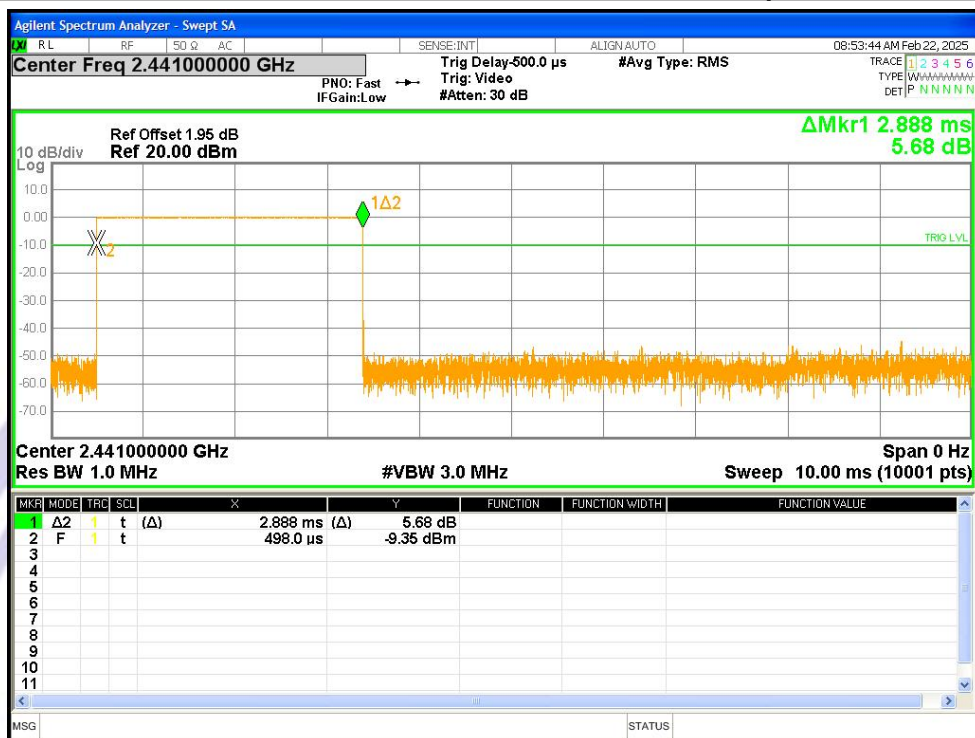
Note2: Only the worst test data DH5/2DH5/3DH5 put in the report



Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



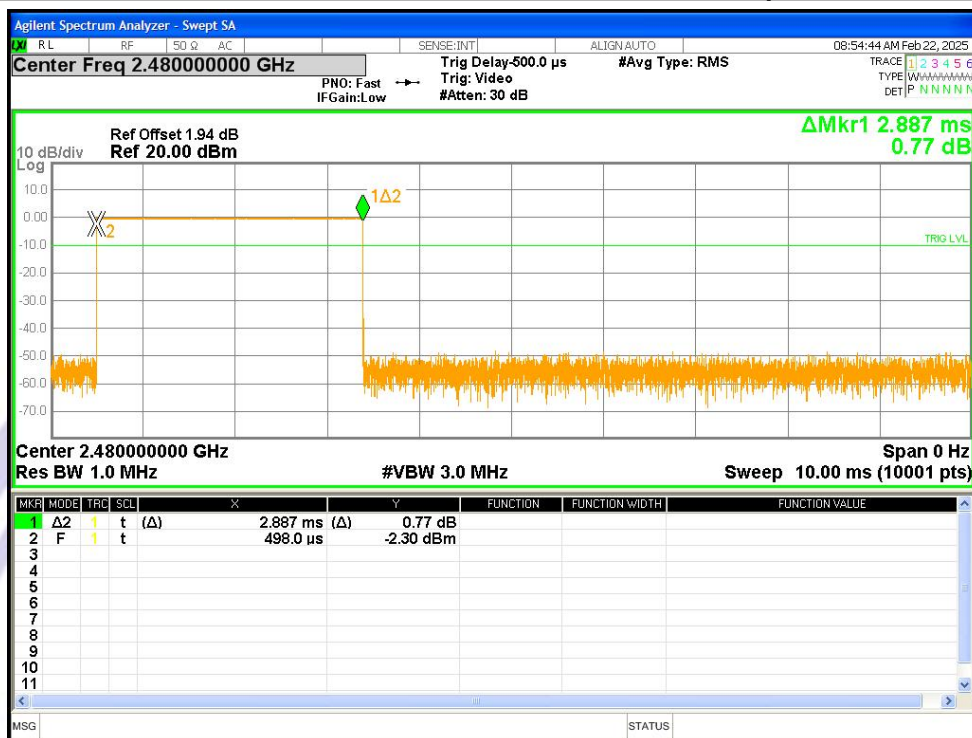
Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



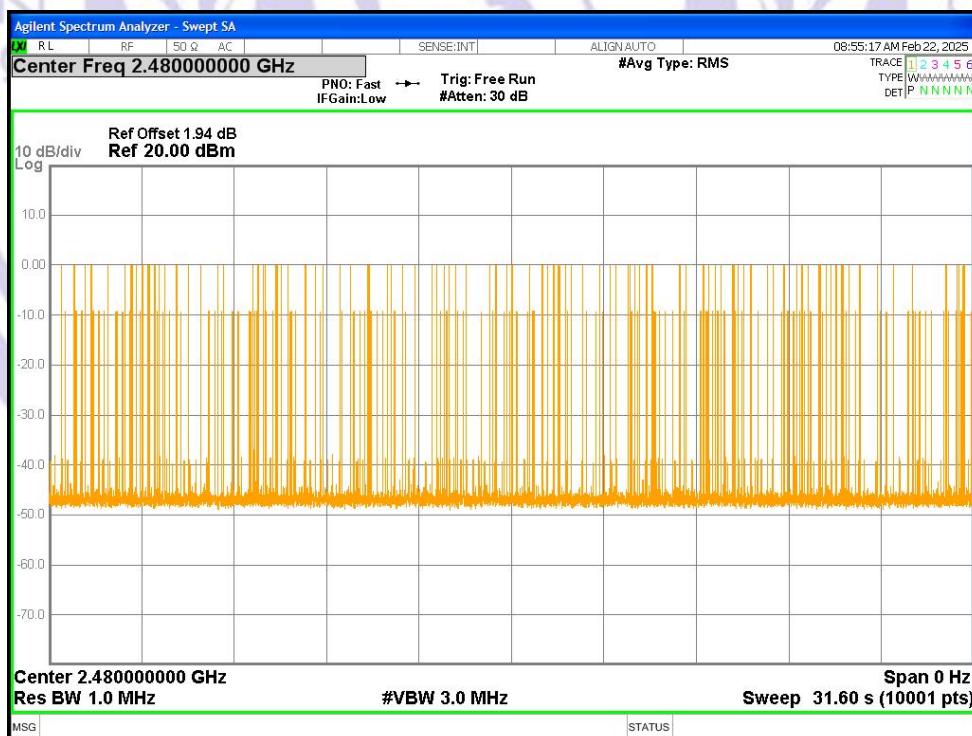
Dwell NVNT 1-DH5 2441MHz Ant1 One Burst



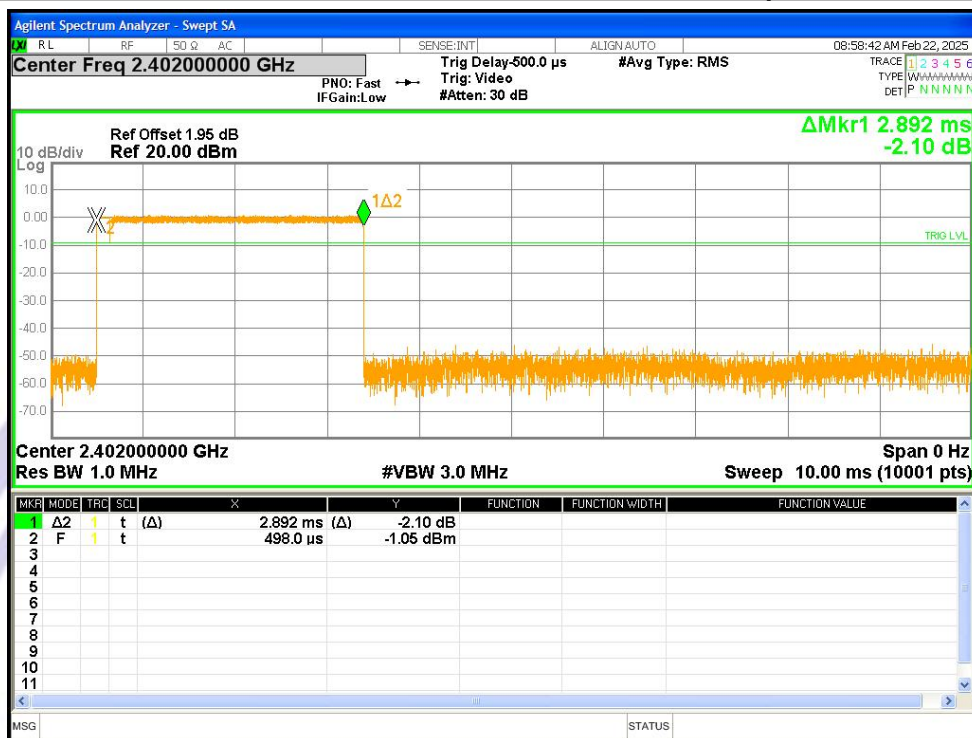
Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated



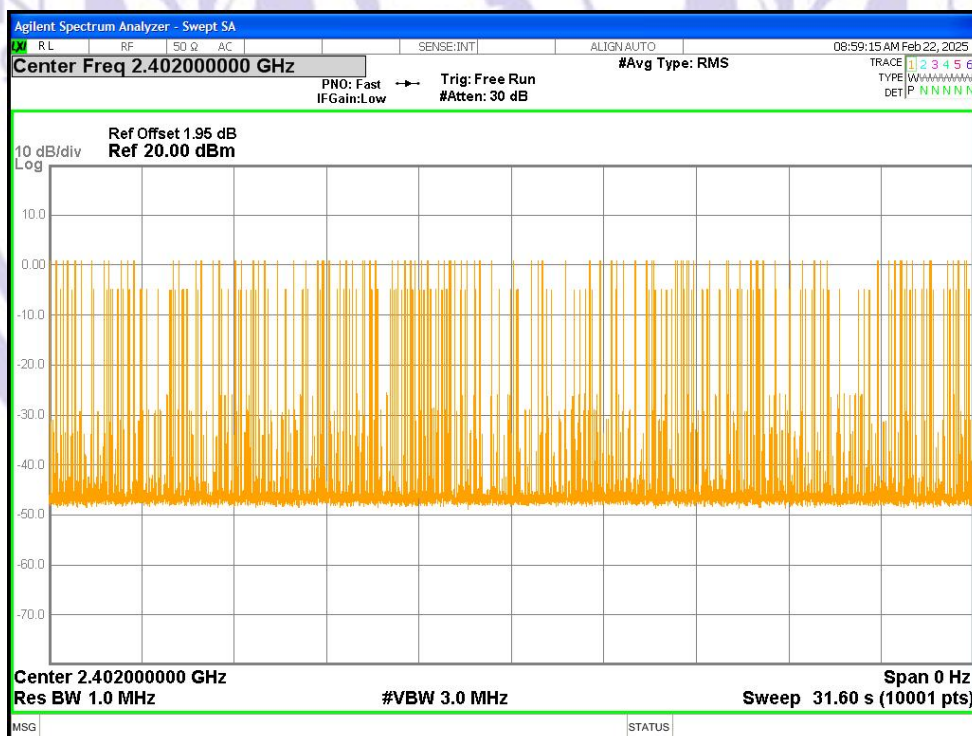
Dwell NVNT 1-DH5 2480MHz Ant1 One Burst



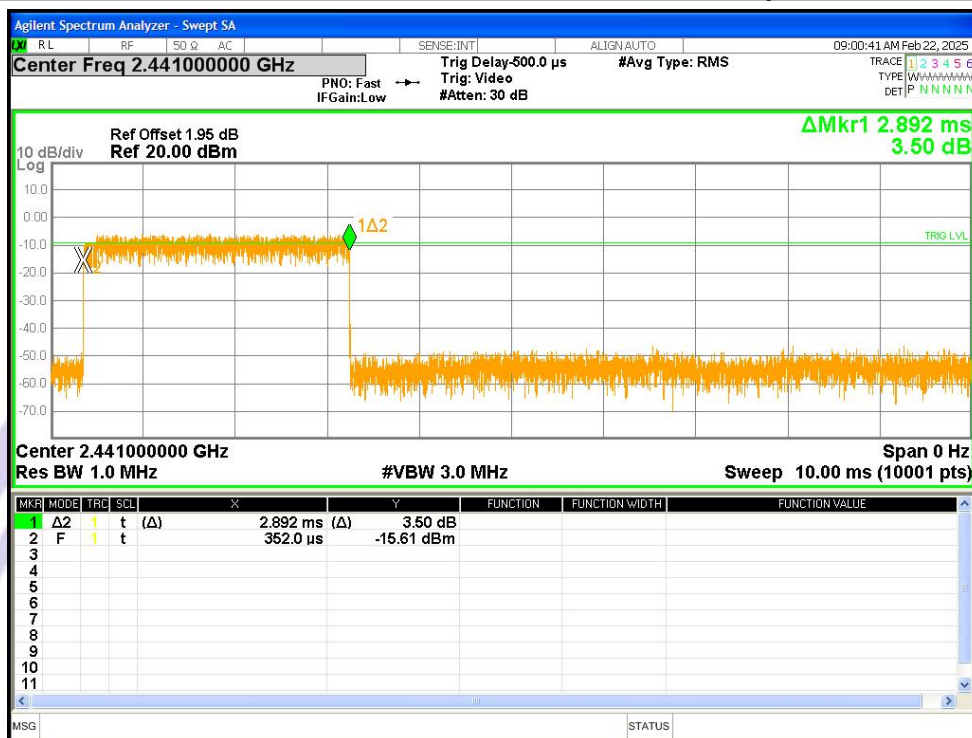
Dwell NVNT 1-DH5 2480MHz Ant1 Accumulated



Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



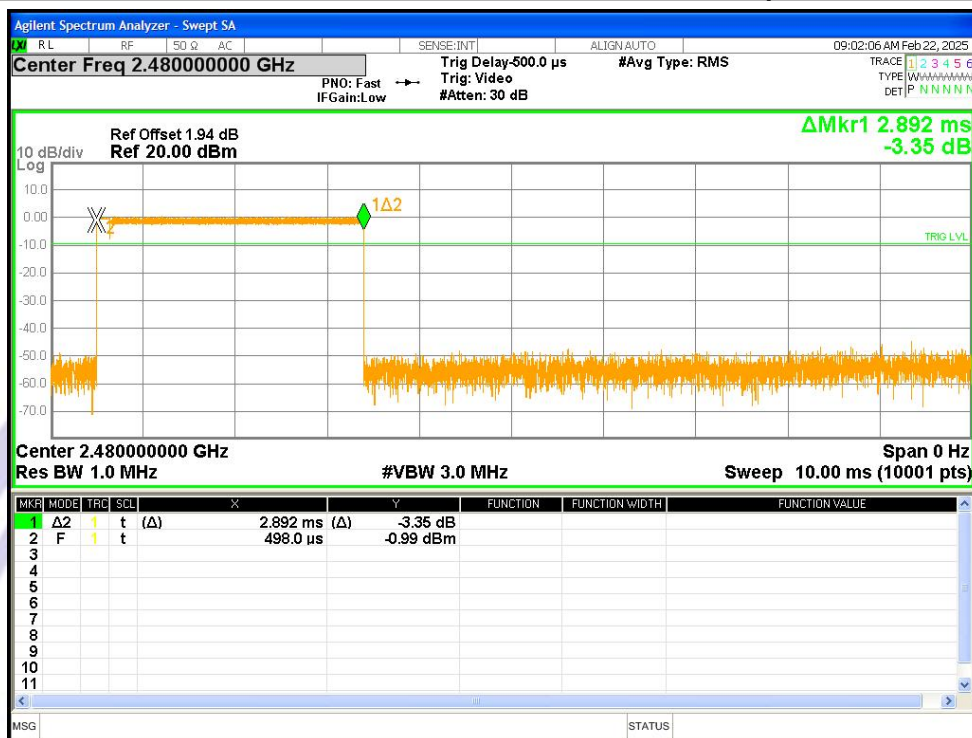
Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



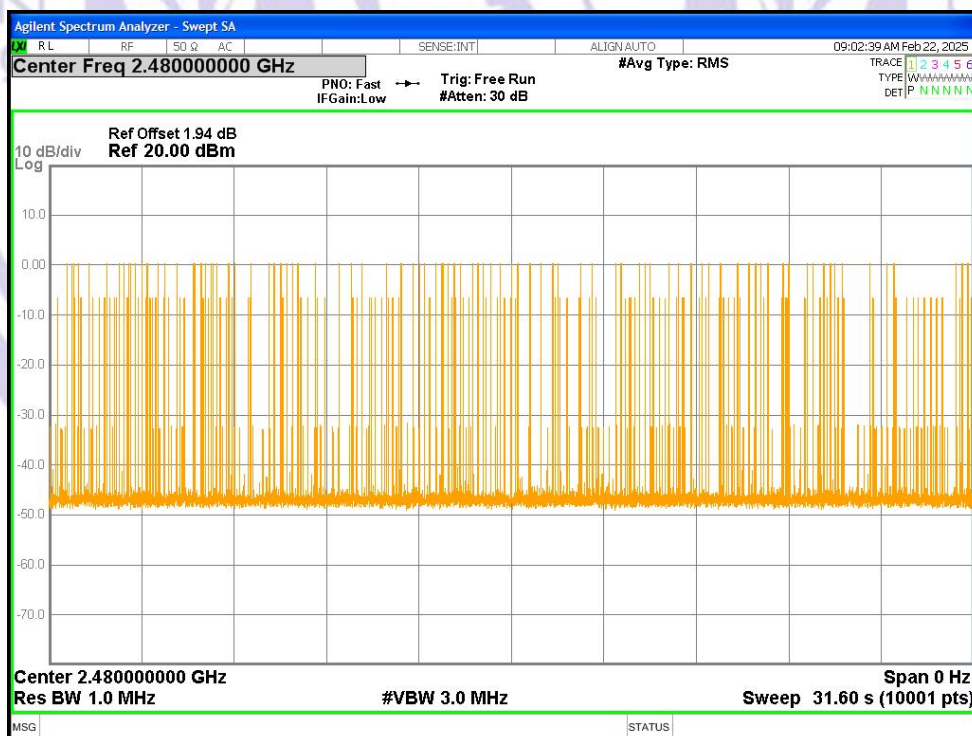
Dwell NVNT 2-DH5 2441MHz Ant1 One Burst



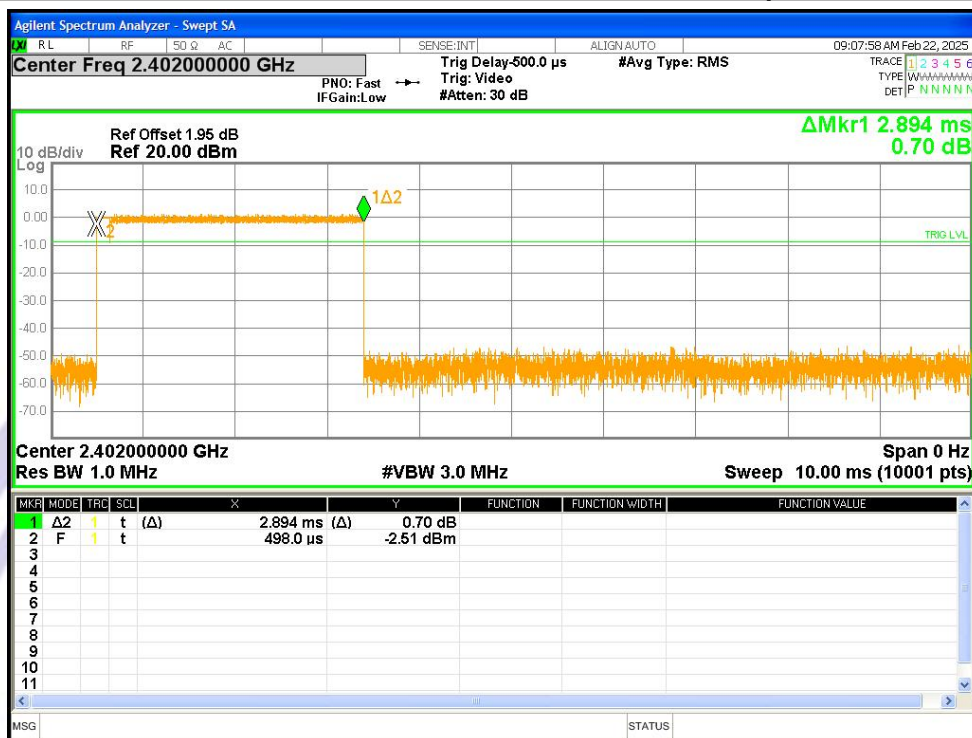
Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated



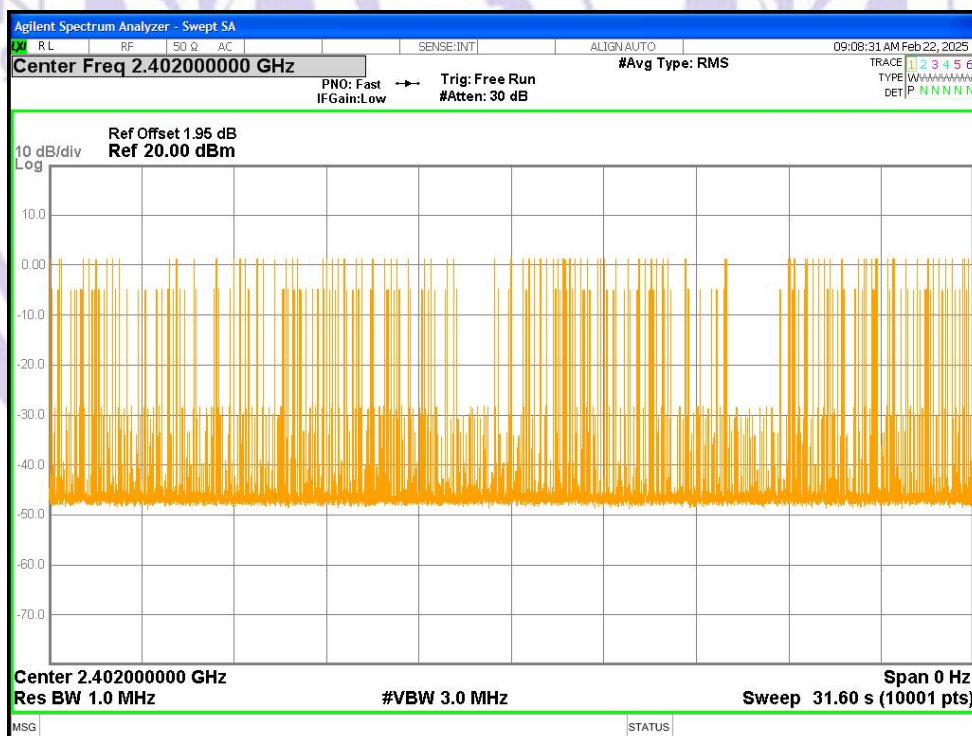
Dwell NVNT 2-DH5 2480MHz Ant1 One Burst



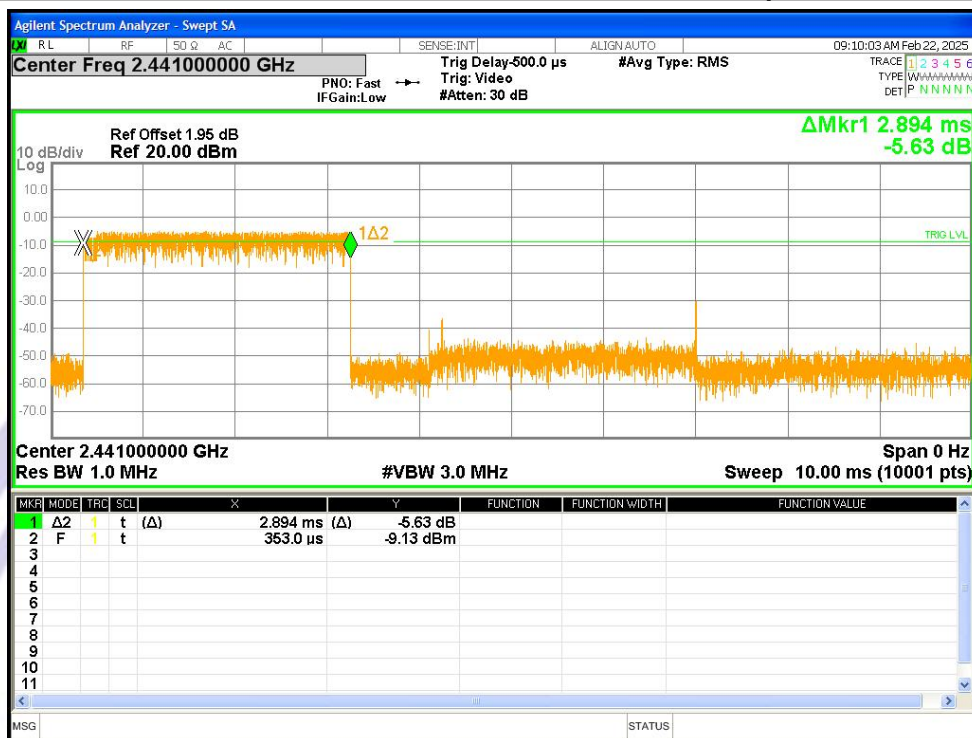
Dwell NVNT 2-DH5 2480MHz Ant1 Accumulated



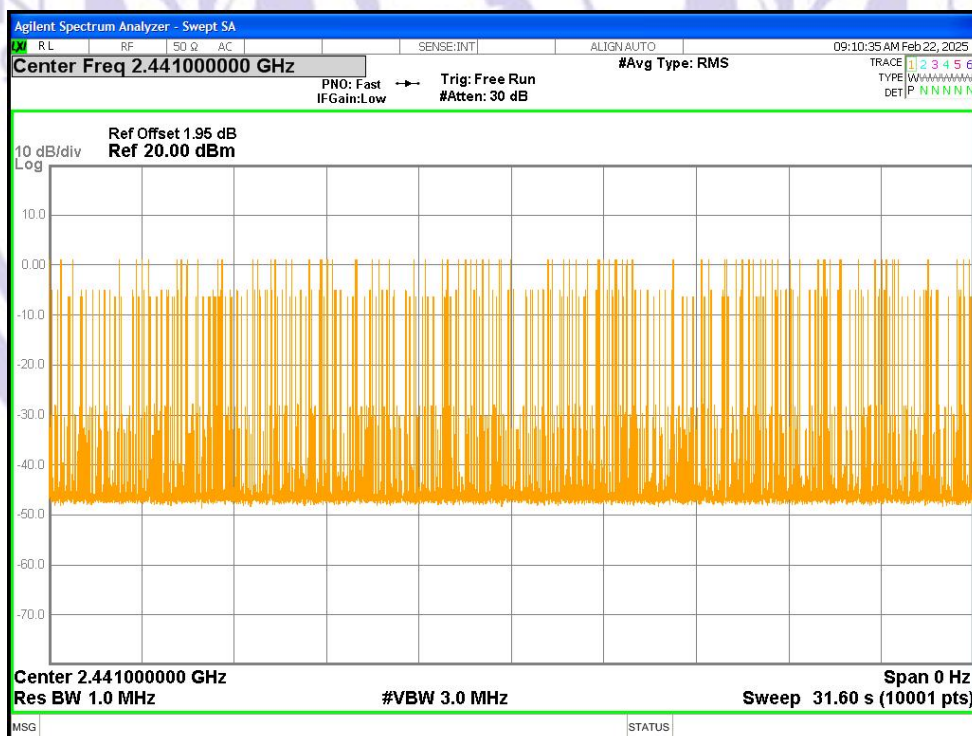
Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



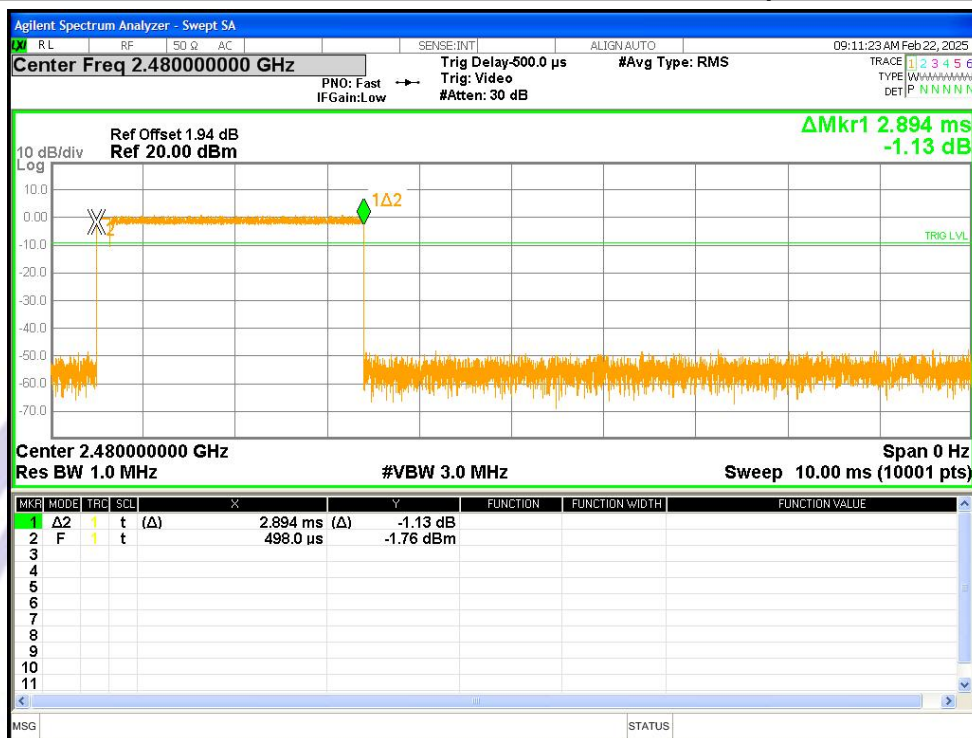
Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated



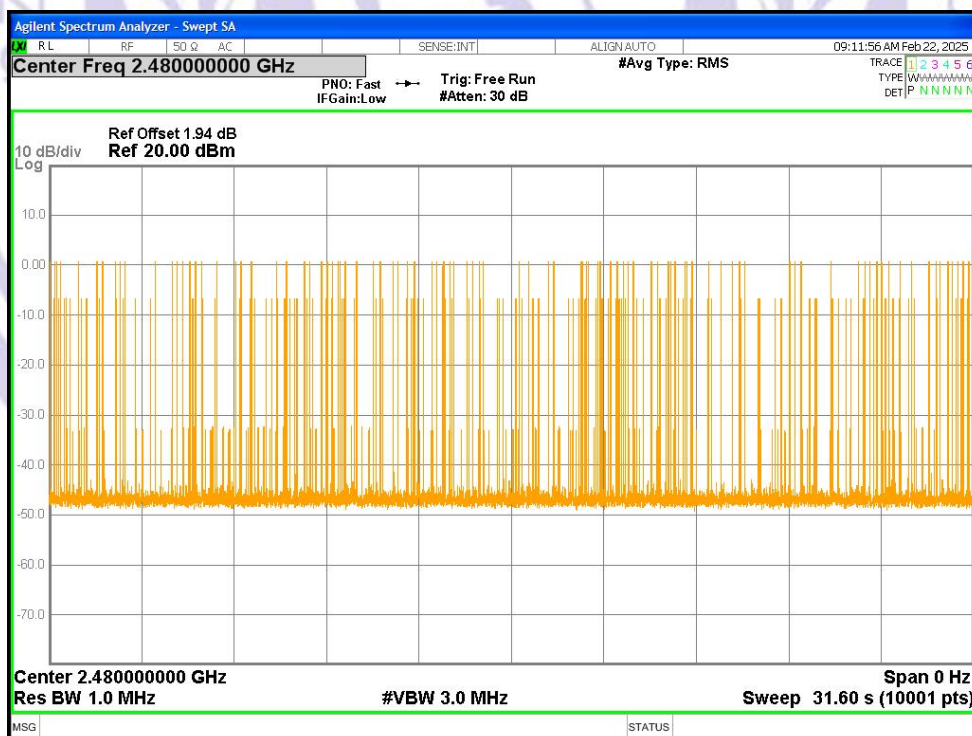
Dwell NVNT 3-DH5 2441MHz Ant1 One Burst



Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2480MHz Ant1 One Burst



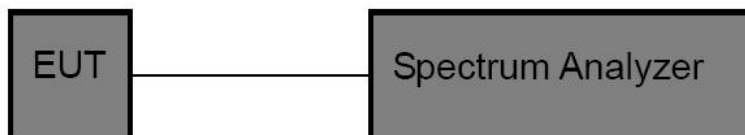
Dwell NVNT 3-DH5 2480MHz Ant1 Accumulated

## 13 100kHz Bandwidth of Frequency Band Edge Requirement

### 13.1 Test Standard and Limit

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Standard | FCC Part15 C Section 15.247 (d), RSS-247 §5.5                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Test Limit    | in any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in 15.209(a). |

### 13.2 Test Setup

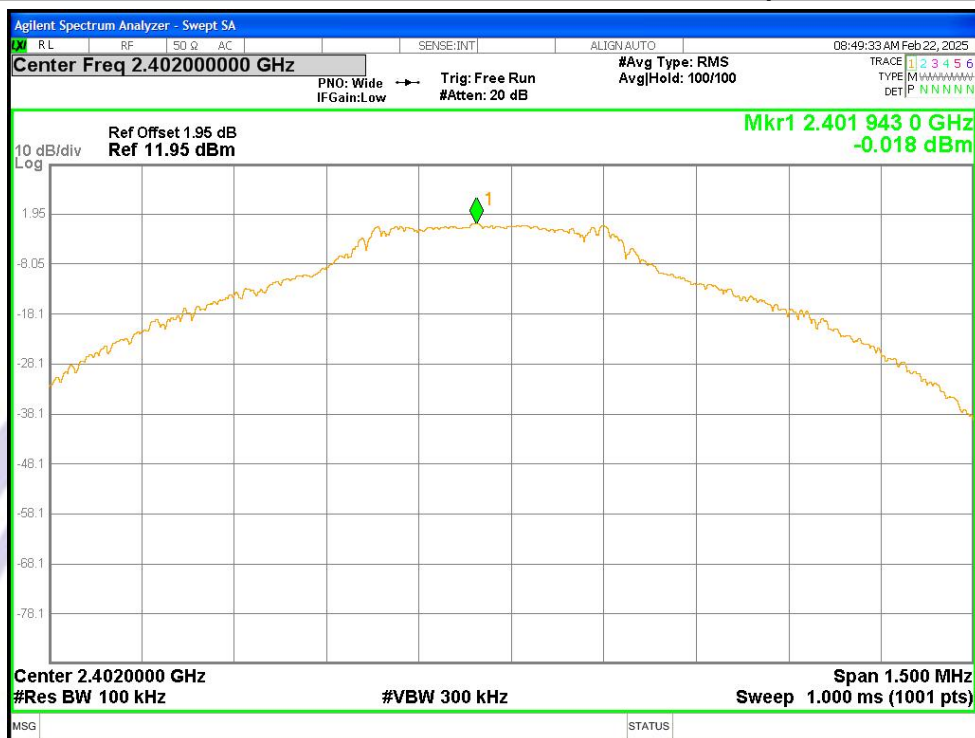


### 13.3 Test Procedure

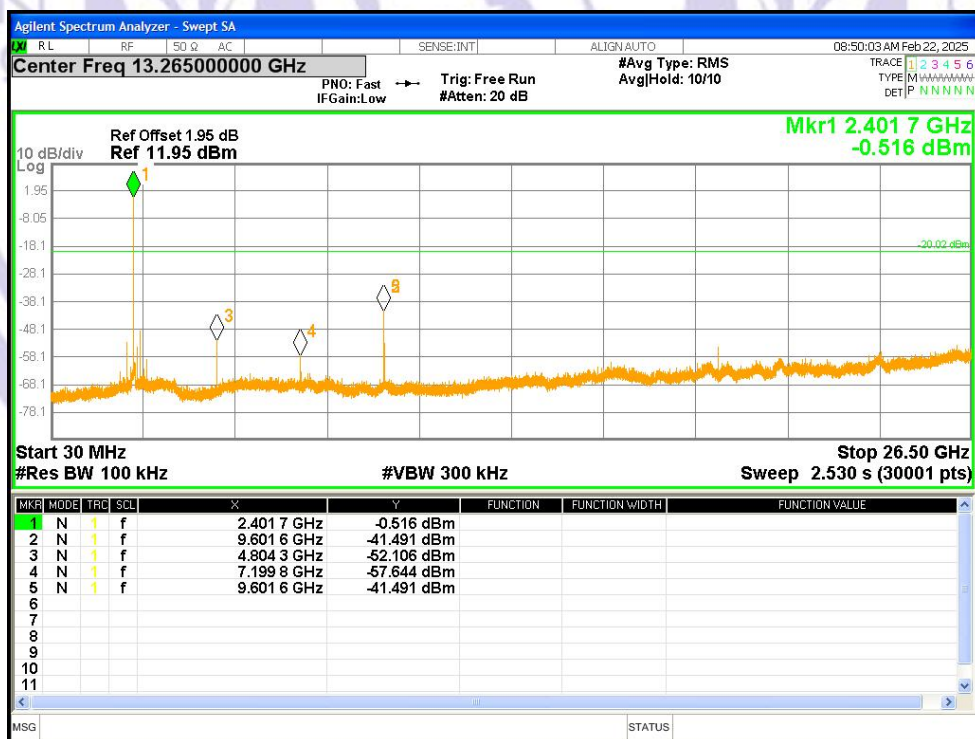
The EUT must have its hopping/Non-hopping function enabled. Using the following spectrum analyzer setting:

1. Set the RBW = 100kHz.
2. Set the VBW = 300kHz.
3. Sweep time = auto couple.
4. Detector function = peak.
5. Trace mode = max hold. Measure the highest amplitude appearing on spectral display and set it as a reference level.
6. Allow trace to fully stabilize.

### 13.4 Test Data



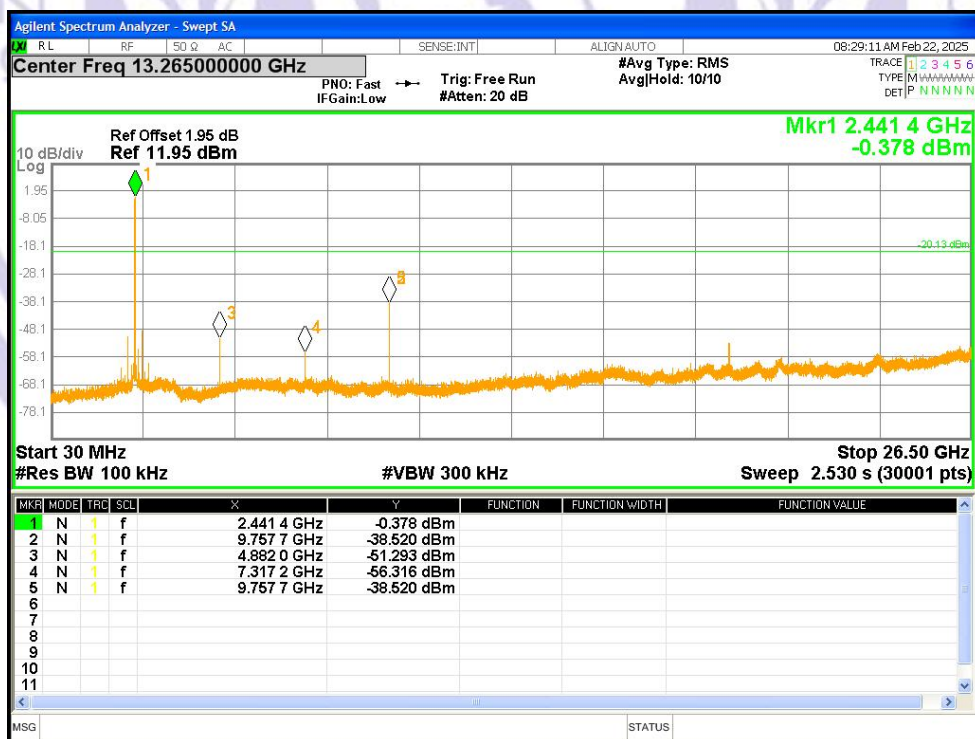
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



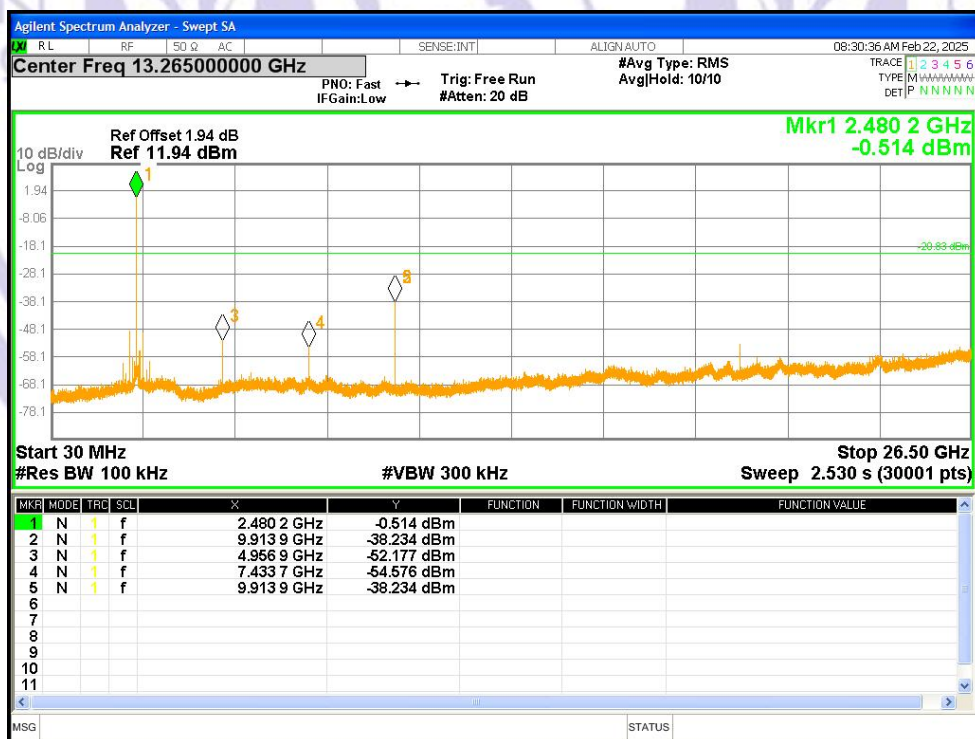
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



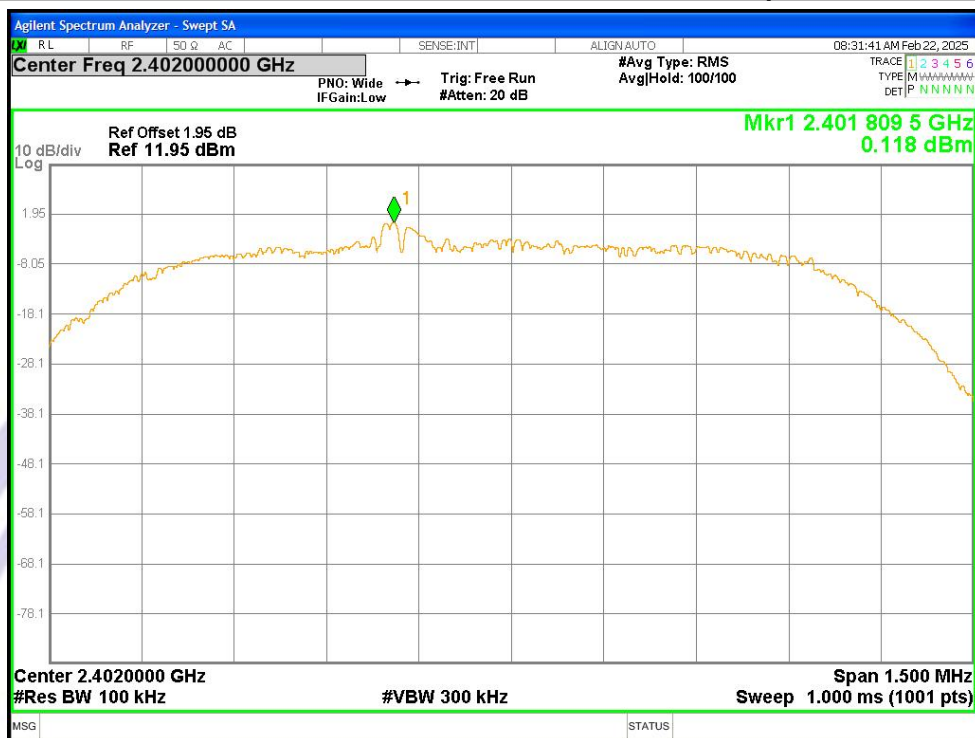
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



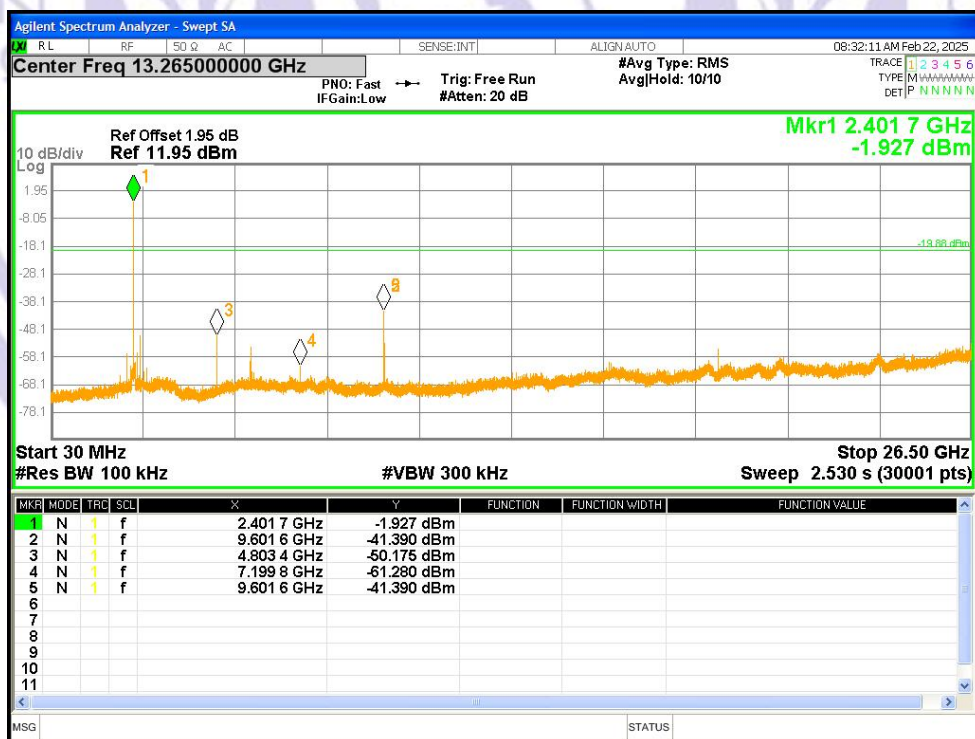
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



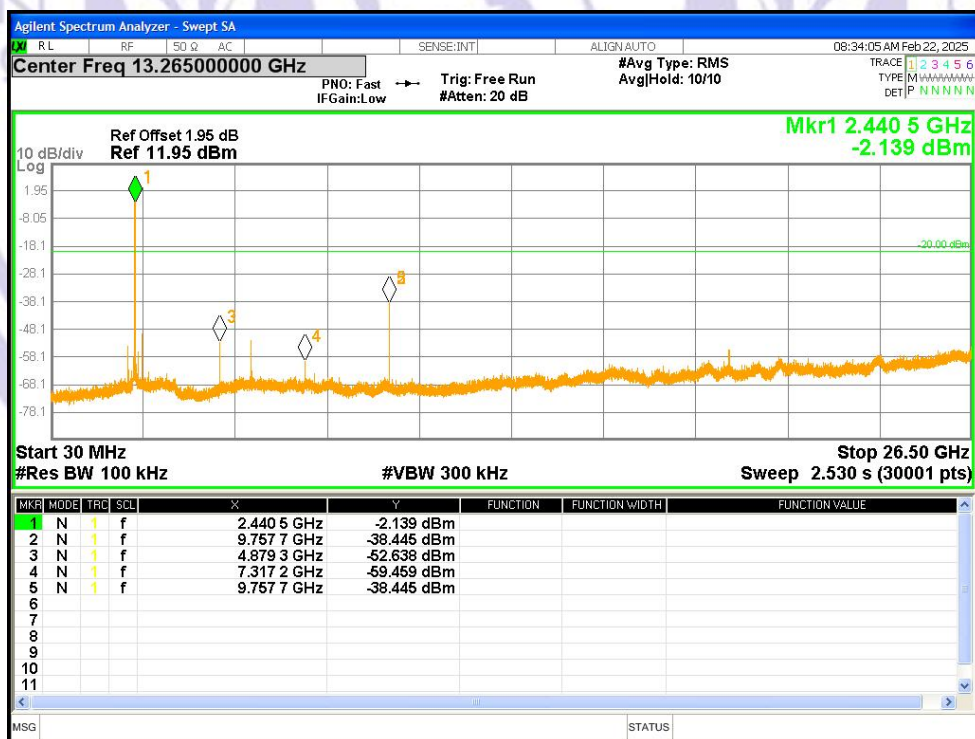
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



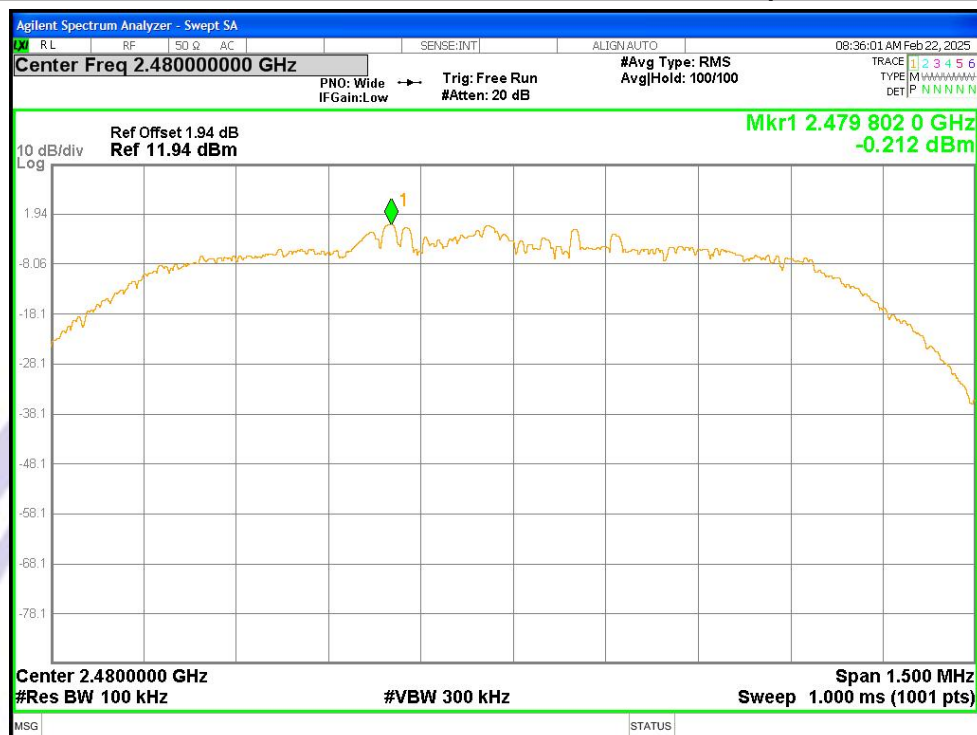
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



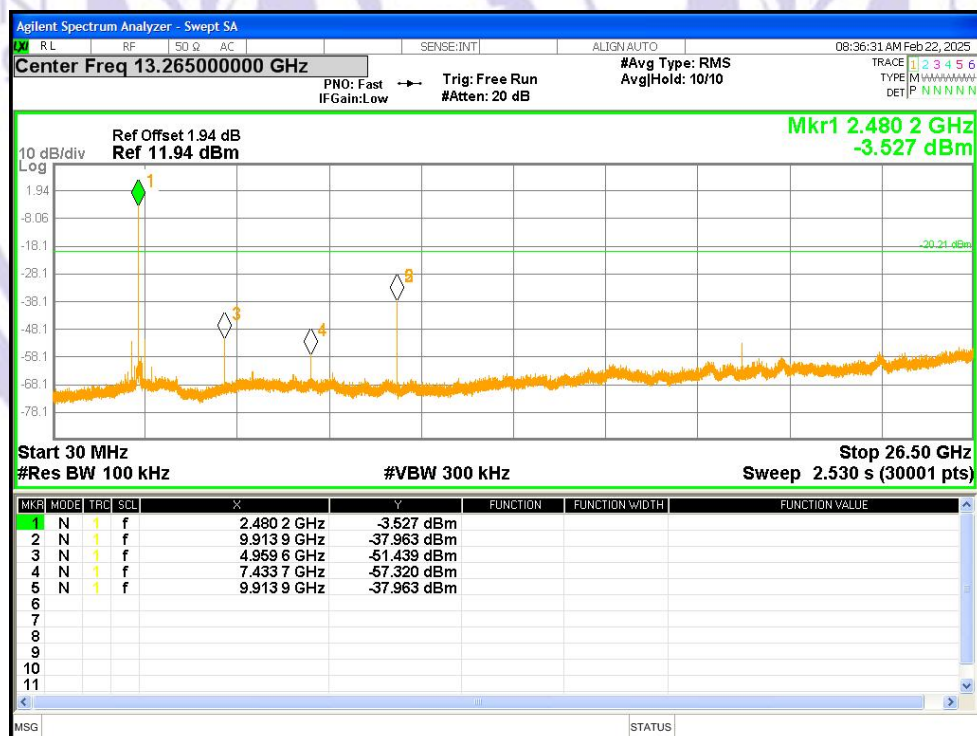
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission