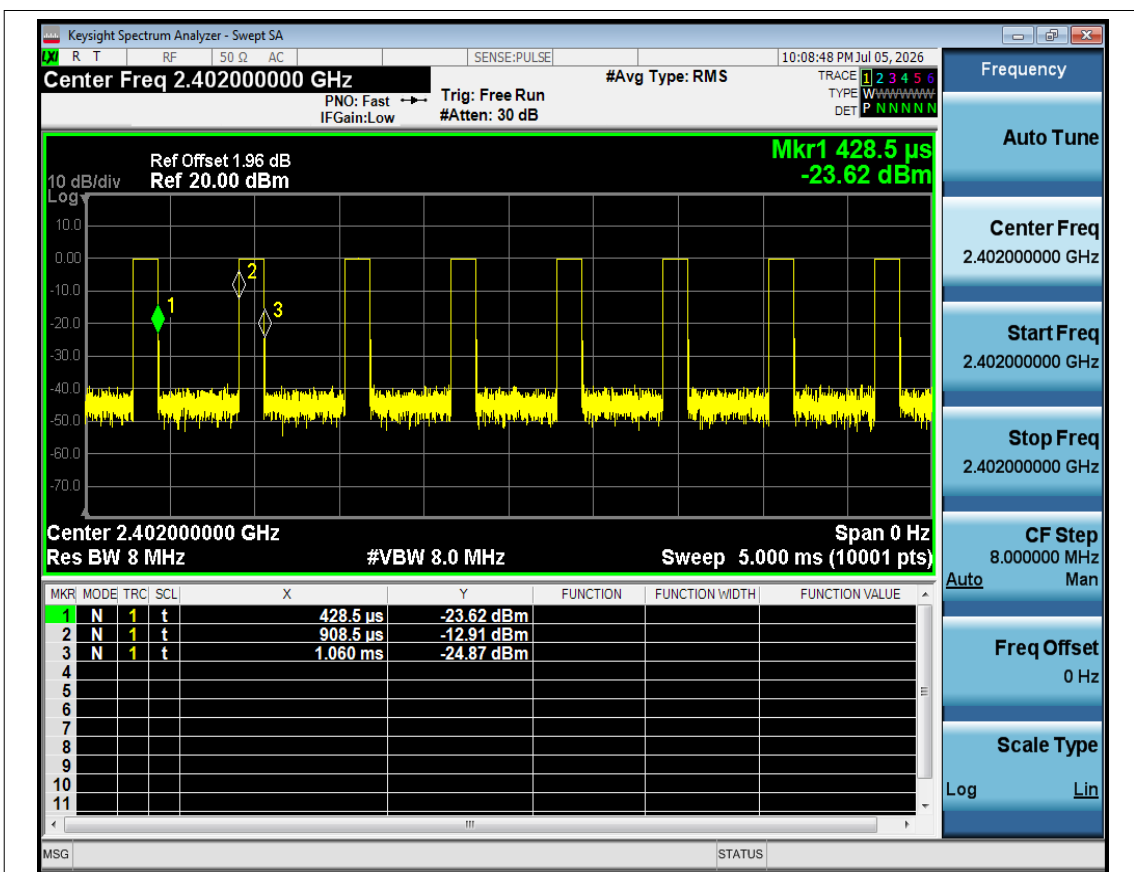


## RF Test Data

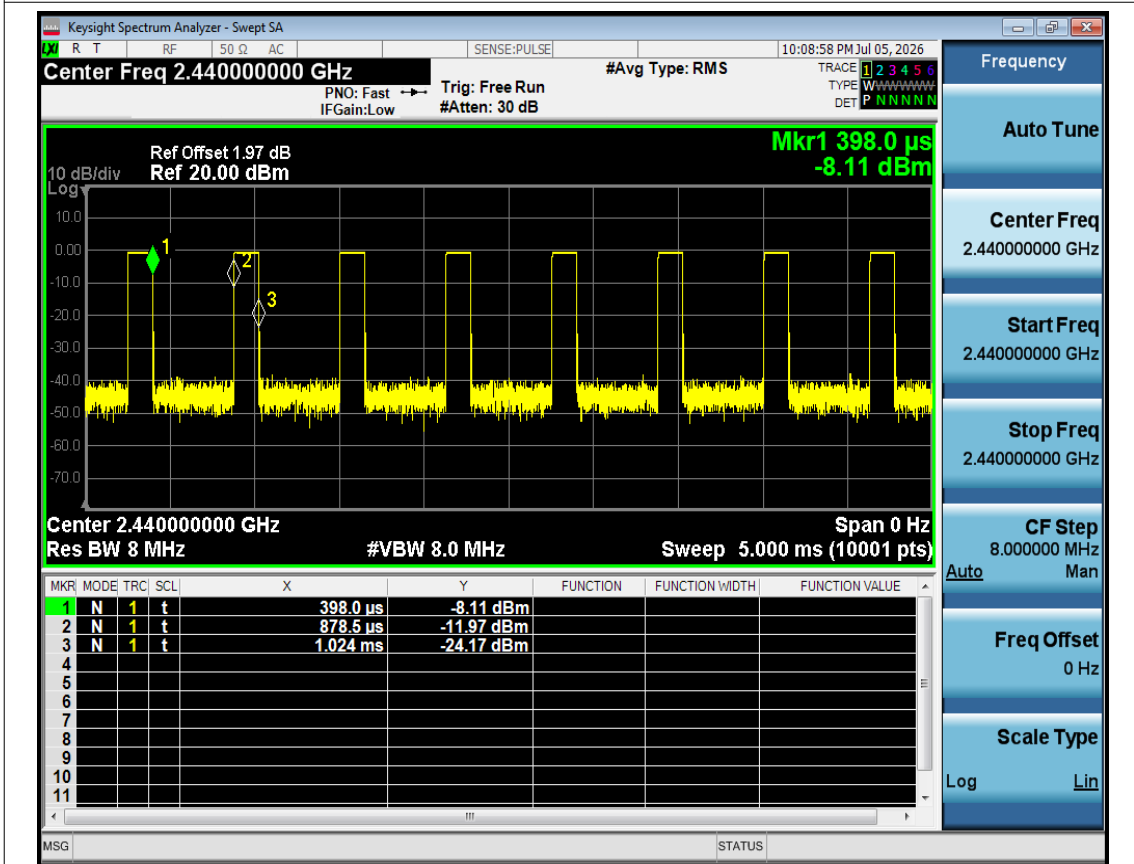
|                                            |    |
|--------------------------------------------|----|
| Duty Cycle .....                           | 2  |
| Maximum Peak Conducted Output Power .....  | 5  |
| -6dB Bandwidth .....                       | 8  |
| Occupied Channel Bandwidth .....           | 11 |
| Maximum Power Spectral Density Level ..... | 14 |
| Band Edge .....                            | 17 |
| Conducted RF Spurious Emission .....       | 20 |

## Duty Cycle

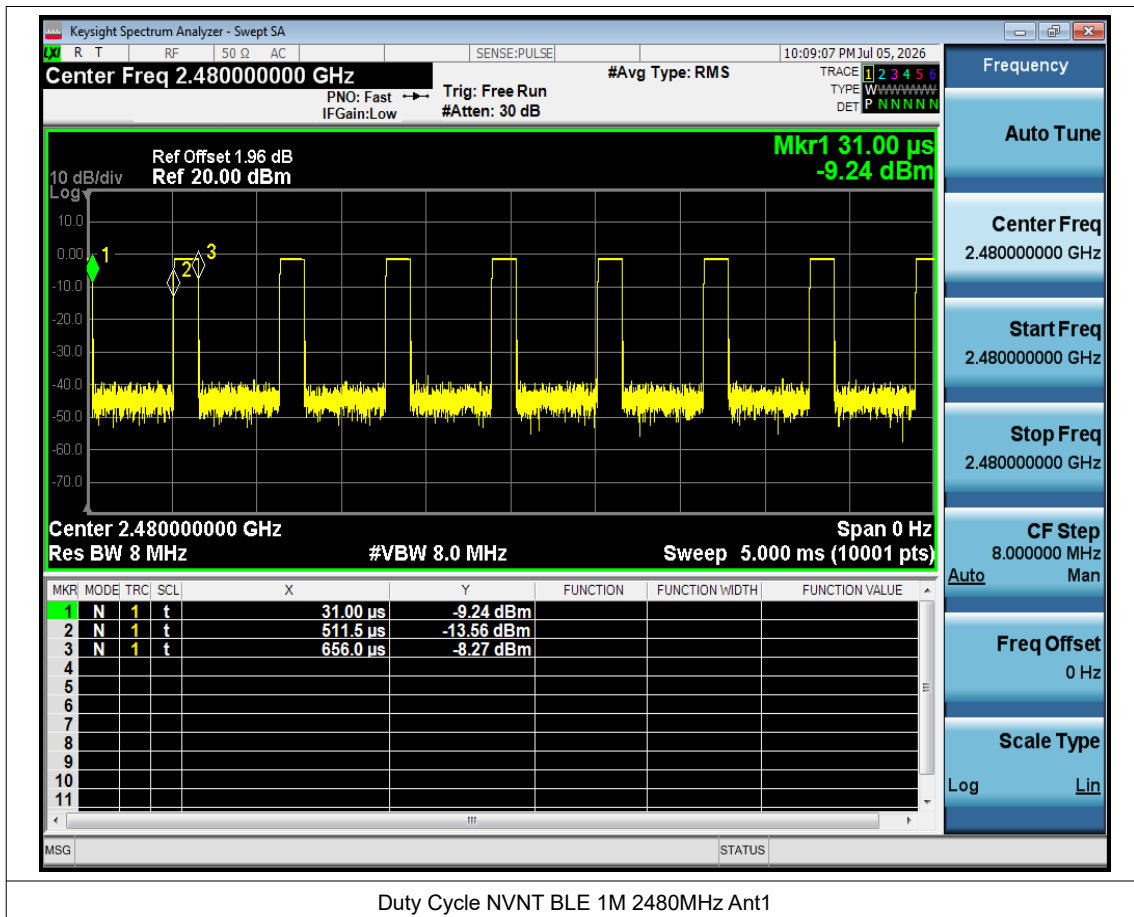
| Condition | Mode   | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|--------|-----------------|---------|----------------|------------------------|-----------|
| NVNT      | BLE 1M | 2402            | Ant1    | 23.93          | 6.21                   | 6.62      |
| NVNT      | BLE 1M | 2440            | Ant1    | 23.18          | 6.35                   | 6.9       |
| NVNT      | BLE 1M | 2480            | Ant1    | 23.12          | 6.36                   | 6.92      |



Duty Cycle NVNT BLE 1M 2402MHz Ant1

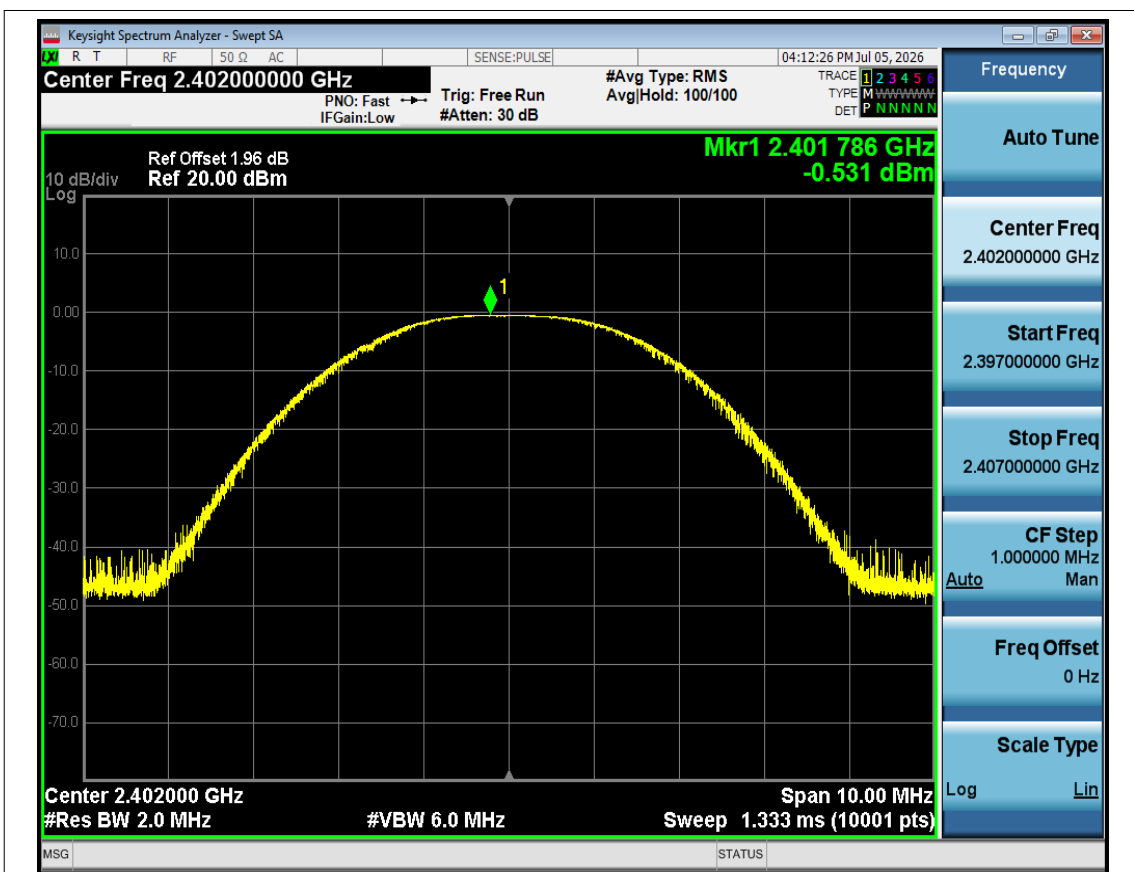


Duty Cycle NVNT BLE 1M 2440MHz Ant1

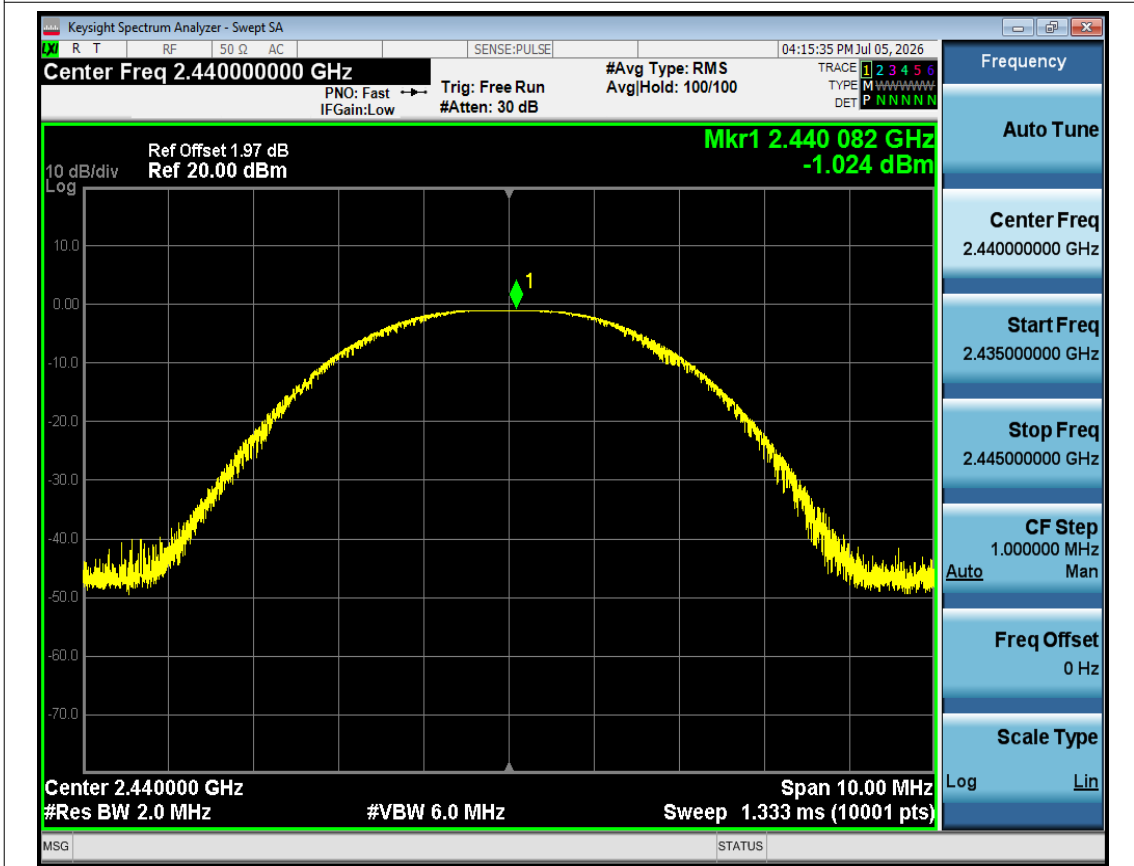


## Maximum Peak Conducted Output Power

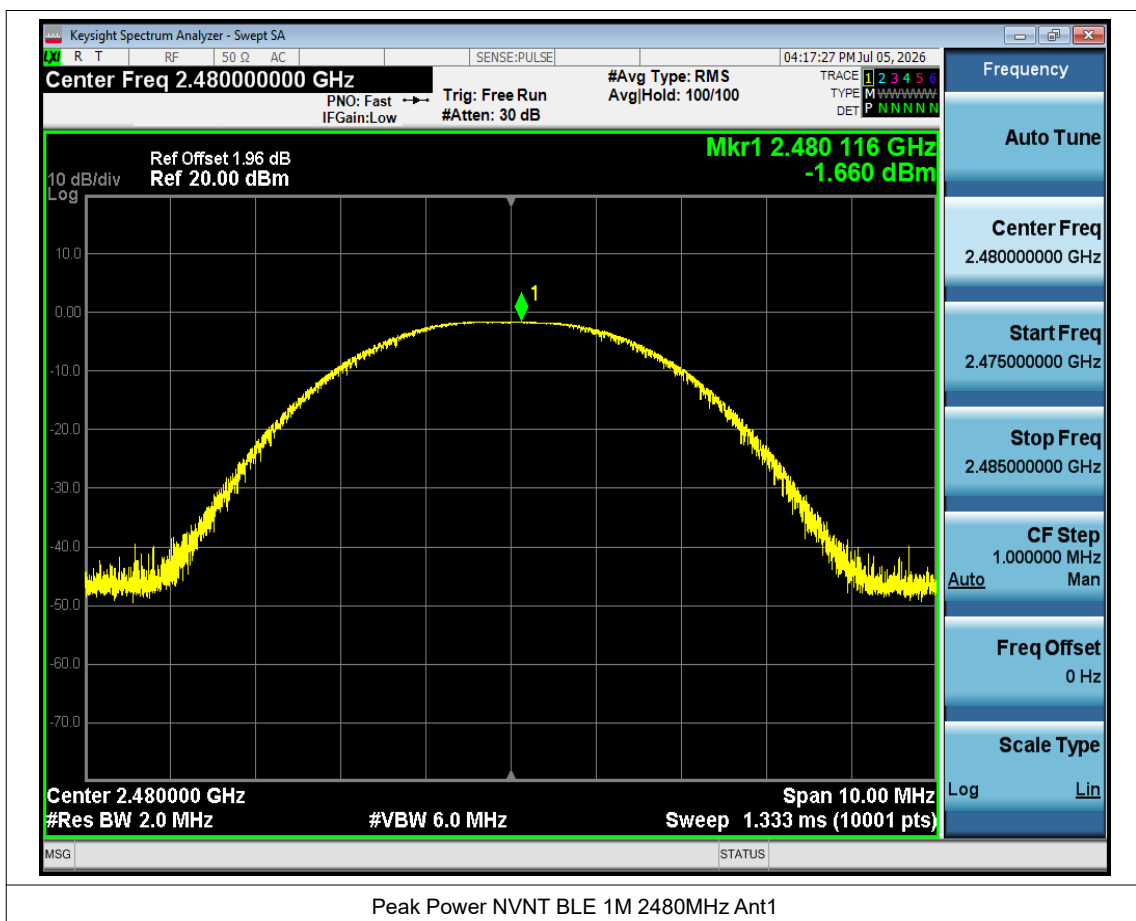
| Condition | Mode      | Frequency<br>(MHz) | Antenna | Conducted<br>Power (dBm) | Conducted<br>Power (W) | Limit<br>Conducted(dBm) | Verdict |
|-----------|-----------|--------------------|---------|--------------------------|------------------------|-------------------------|---------|
| NVNT      | BLE<br>1M | 2402               | Ant1    | -0.53                    | 0.00089                | 30                      | Pass    |
| NVNT      | BLE<br>1M | 2440               | Ant1    | -1.02                    | 0.00079                | 30                      | Pass    |
| NVNT      | BLE<br>1M | 2480               | Ant1    | -1.66                    | 0.00068                | 30                      | Pass    |



Peak Power NVNT BLE 1M 2402MHz Ant1



Peak Power NVNT BLE 1M 2440MHz Ant1



## -6dB Bandwidth

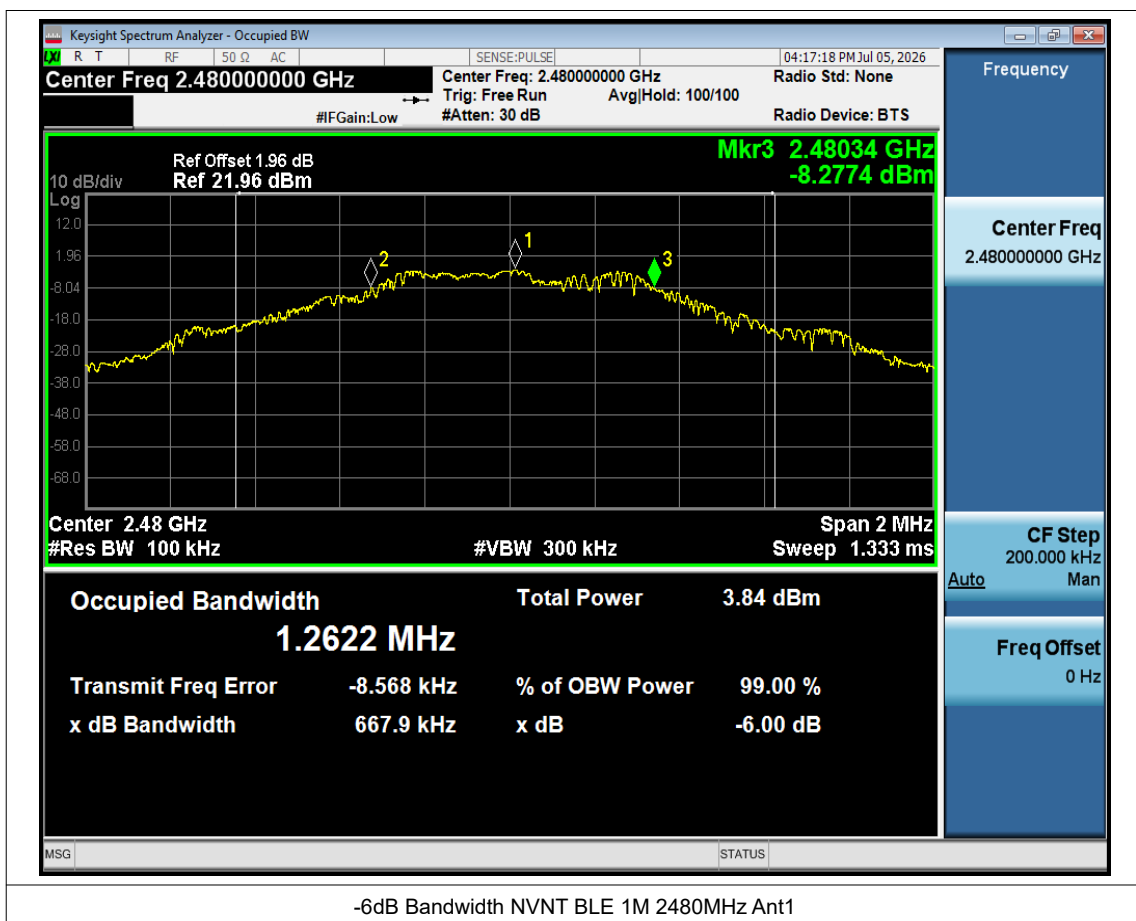
| Condition | Mode      | Frequency<br>(MHz) | Antenna | -6 dB Bandwidth<br>(MHz) | Limit -6 dB Bandwidth<br>(MHz) | Verdict |
|-----------|-----------|--------------------|---------|--------------------------|--------------------------------|---------|
| NVNT      | BLE<br>1M | 2402               | Ant1    | 0.6423                   | 0.5                            | Pass    |
| NVNT      | BLE<br>1M | 2440               | Ant1    | 0.6649                   | 0.5                            | Pass    |
| NVNT      | BLE<br>1M | 2480               | Ant1    | 0.6679                   | 0.5                            | Pass    |



-6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



-6dB Bandwidth NVNT BLE 1M 2440MHz Ant1



## Occupied Channel Bandwidth

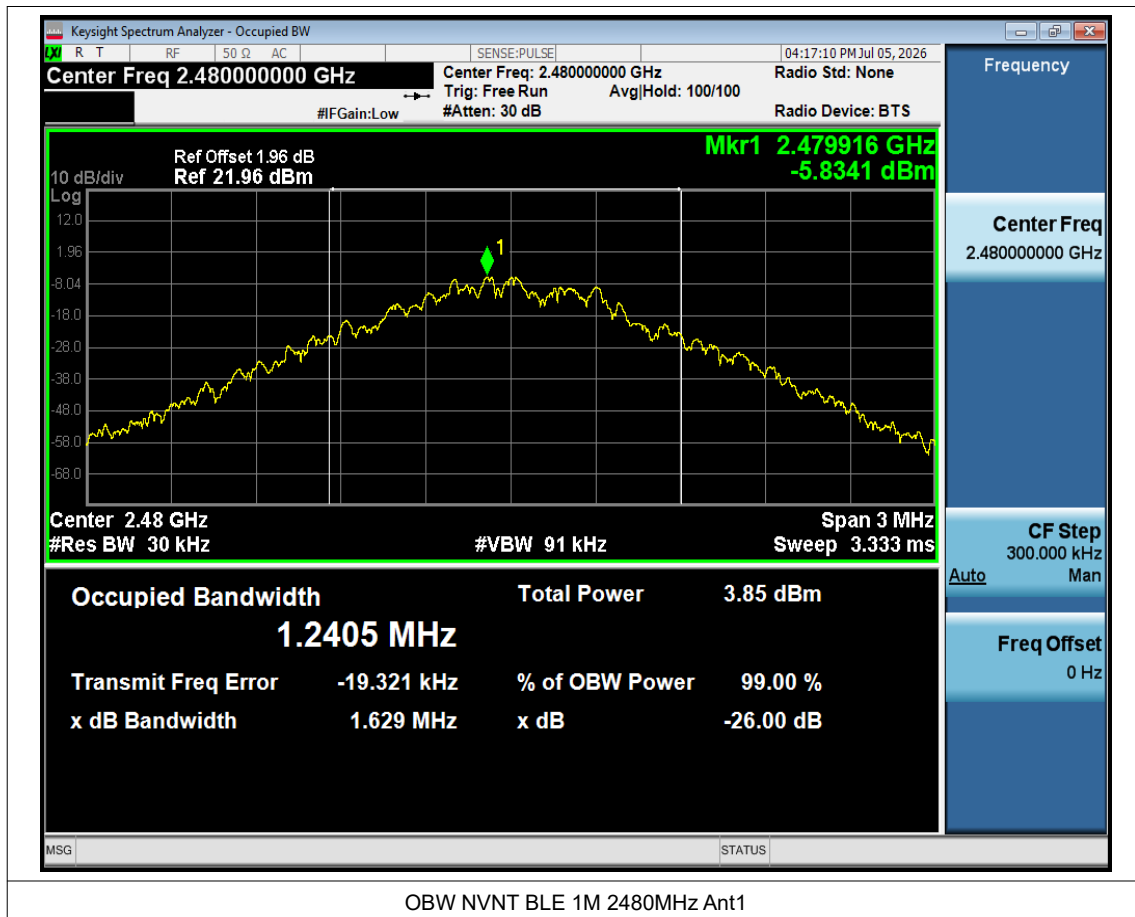
| Condition | Mode   | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|--------|-----------------|---------|---------------|
| NVNT      | BLE 1M | 2402            | Ant1    | 1.2006        |
| NVNT      | BLE 1M | 2440            | Ant1    | 1.245         |
| NVNT      | BLE 1M | 2480            | Ant1    | 1.2405        |



OBW NVNT BLE 1M 2402MHz Ant1



OBW NVNT BLE 1M 2440MHz Ant1



## Maximum Power Spectral Density Level

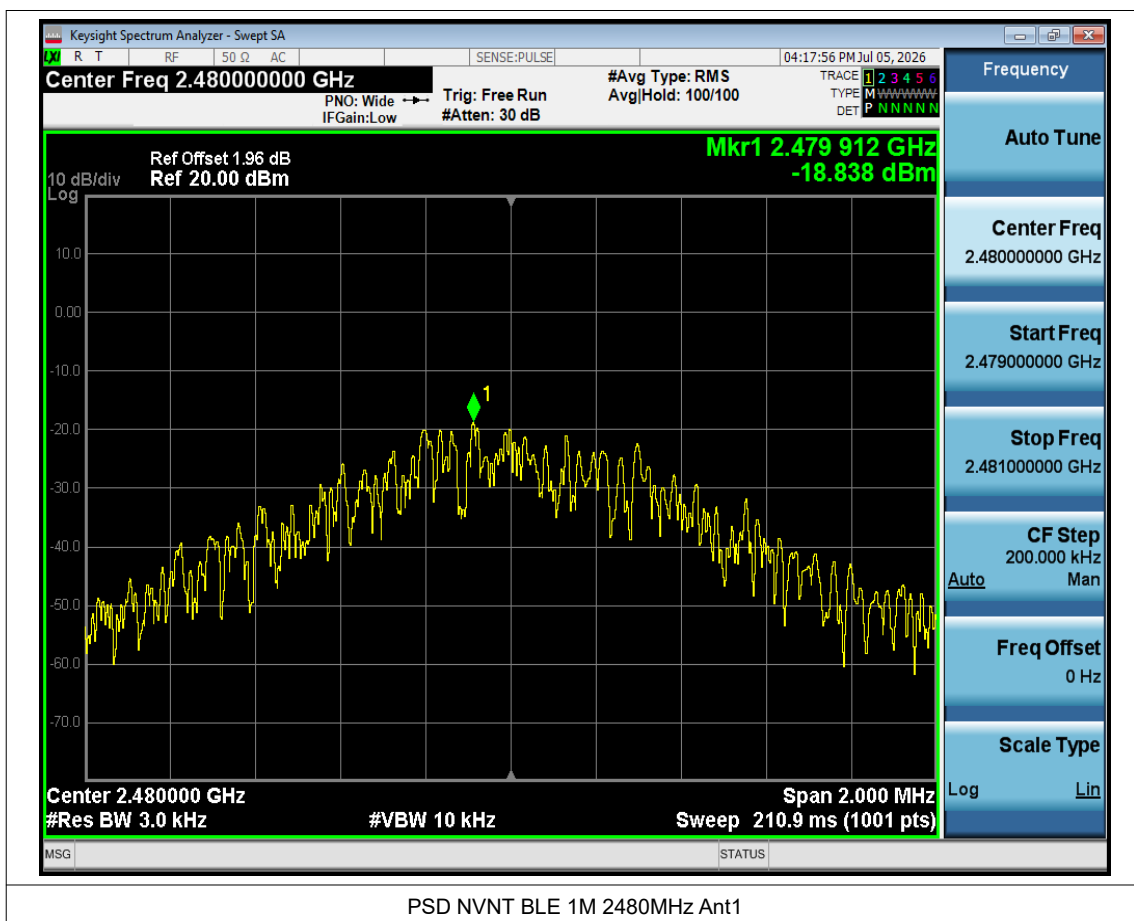
| Condition | Mode      | Frequency<br>(MHz) | Antenna | Conducted PSD<br>(dBm/3kHz) | Limit<br>(dBm/3kHz) | Verdict |
|-----------|-----------|--------------------|---------|-----------------------------|---------------------|---------|
| NVNT      | BLE<br>1M | 2402               | Ant1    | -18.21                      | 8                   | Pass    |
| NVNT      | BLE<br>1M | 2440               | Ant1    | -18.96                      | 8                   | Pass    |
| NVNT      | BLE<br>1M | 2480               | Ant1    | -18.84                      | 8                   | Pass    |



PSD NVNT BLE 1M 2402MHz Ant1

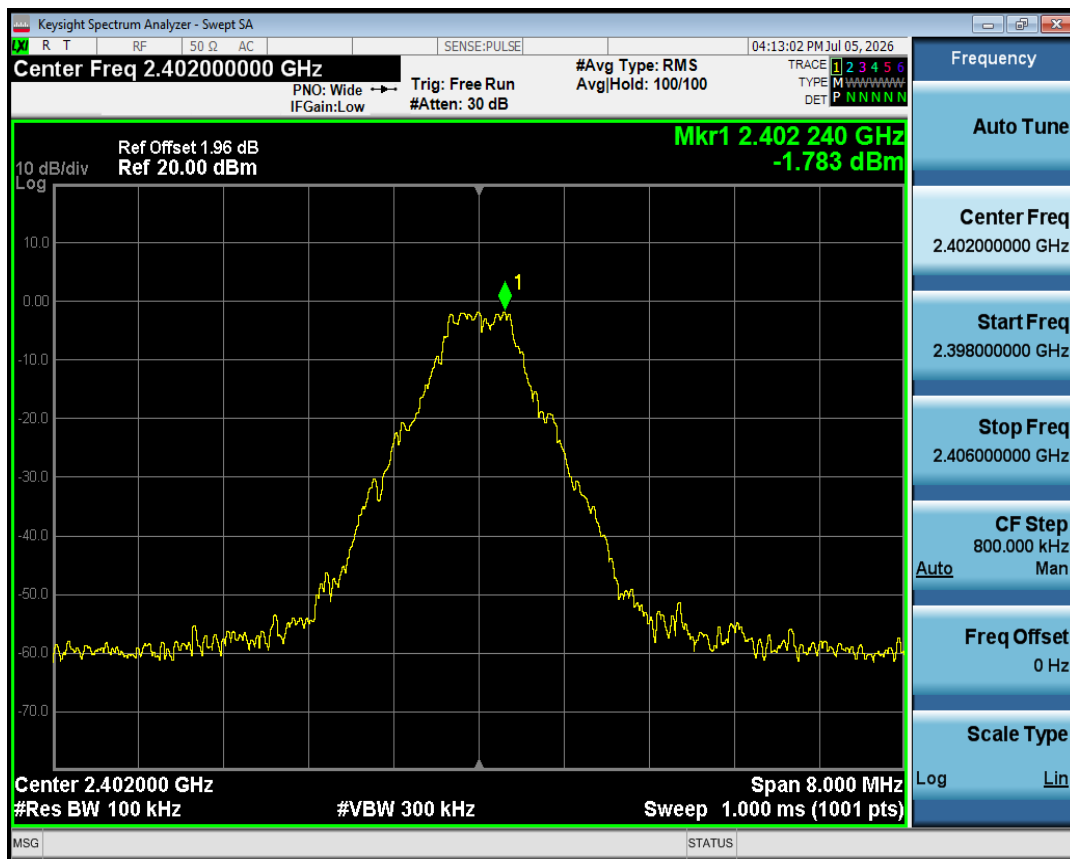


PSD NVNT BLE 1M 2440MHz Ant1

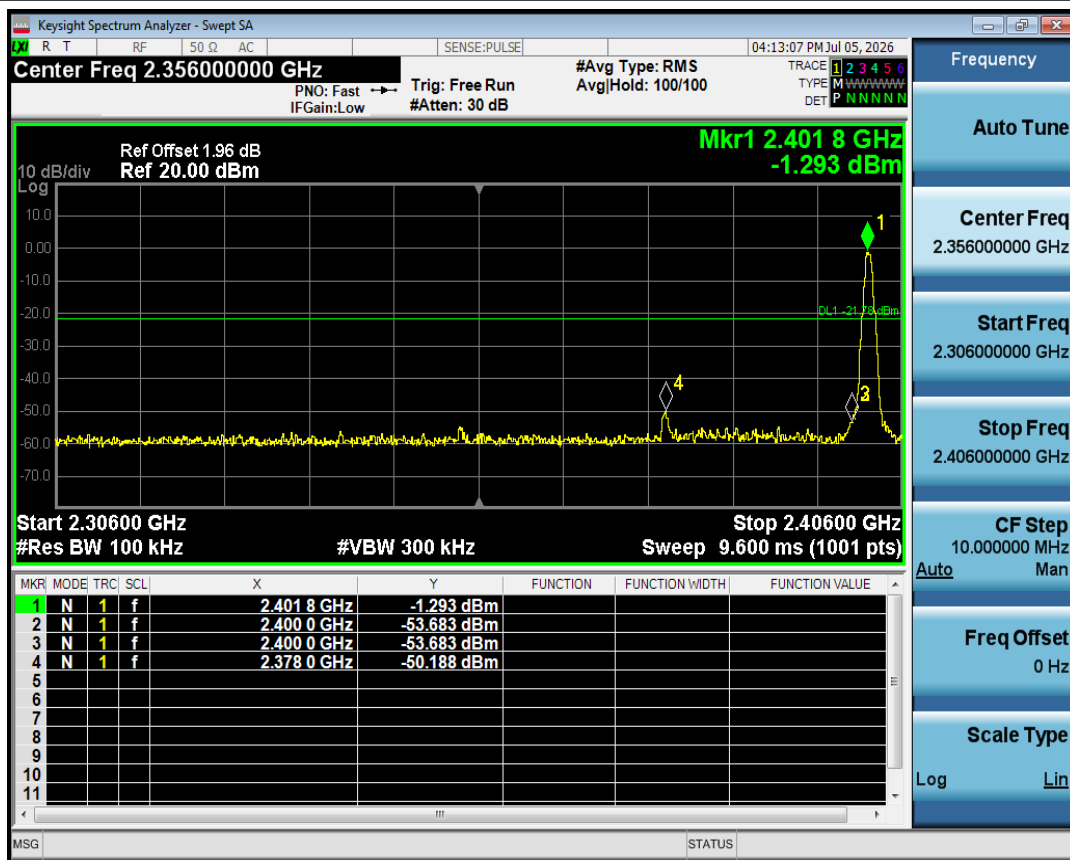


## Band Edge

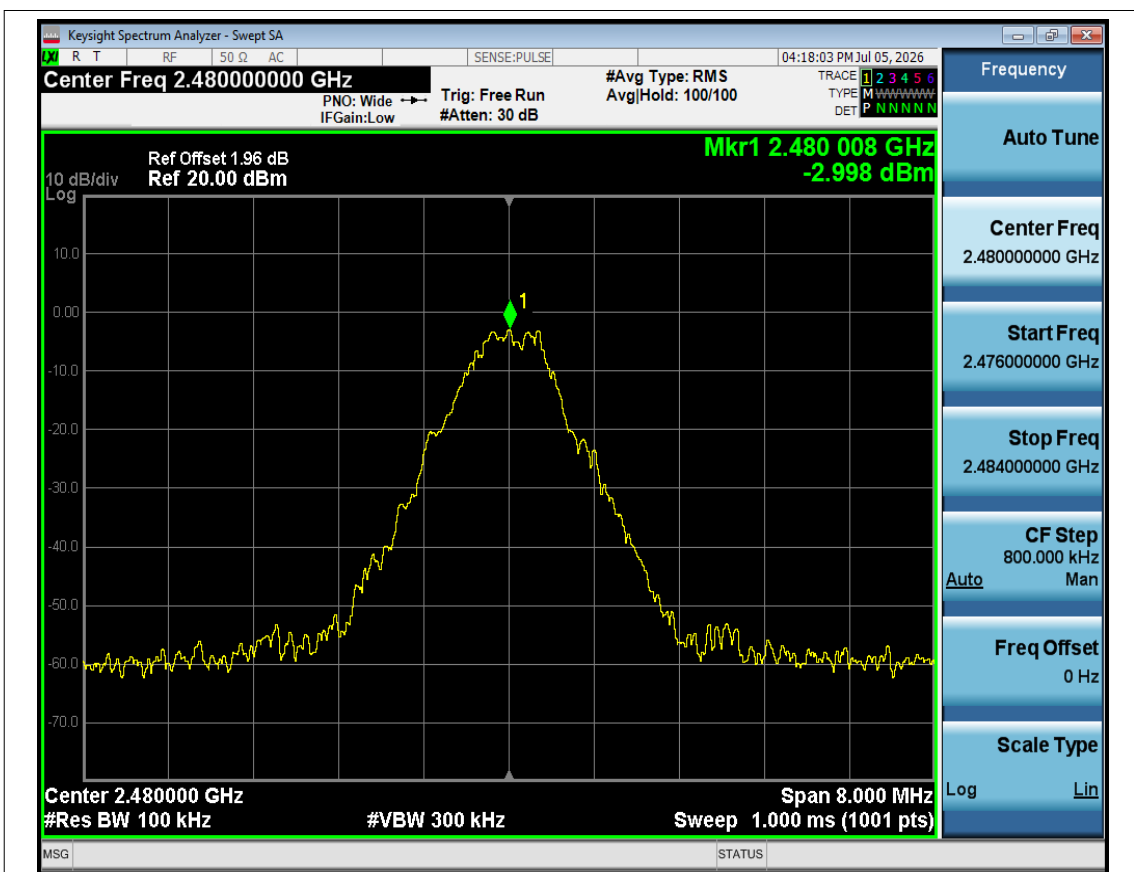
| Condition | Mode   | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|--------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | BLE 1M | 2402            | Ant1    | -48.4           | -20         | Pass    |
| NVNT      | BLE 1M | 2480            | Ant1    | -52.47          | -20         | Pass    |



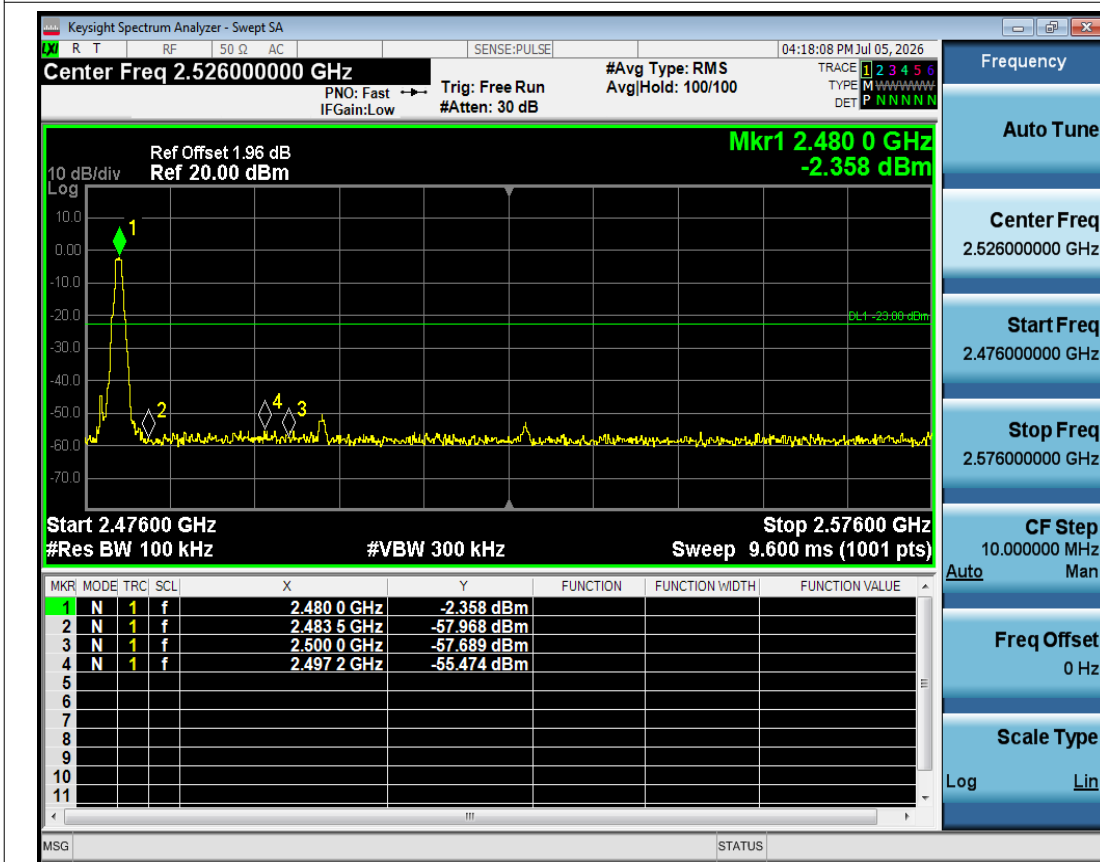
Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



Band Edge NVNT BLE 1M 2402MHz Ant1 Emission



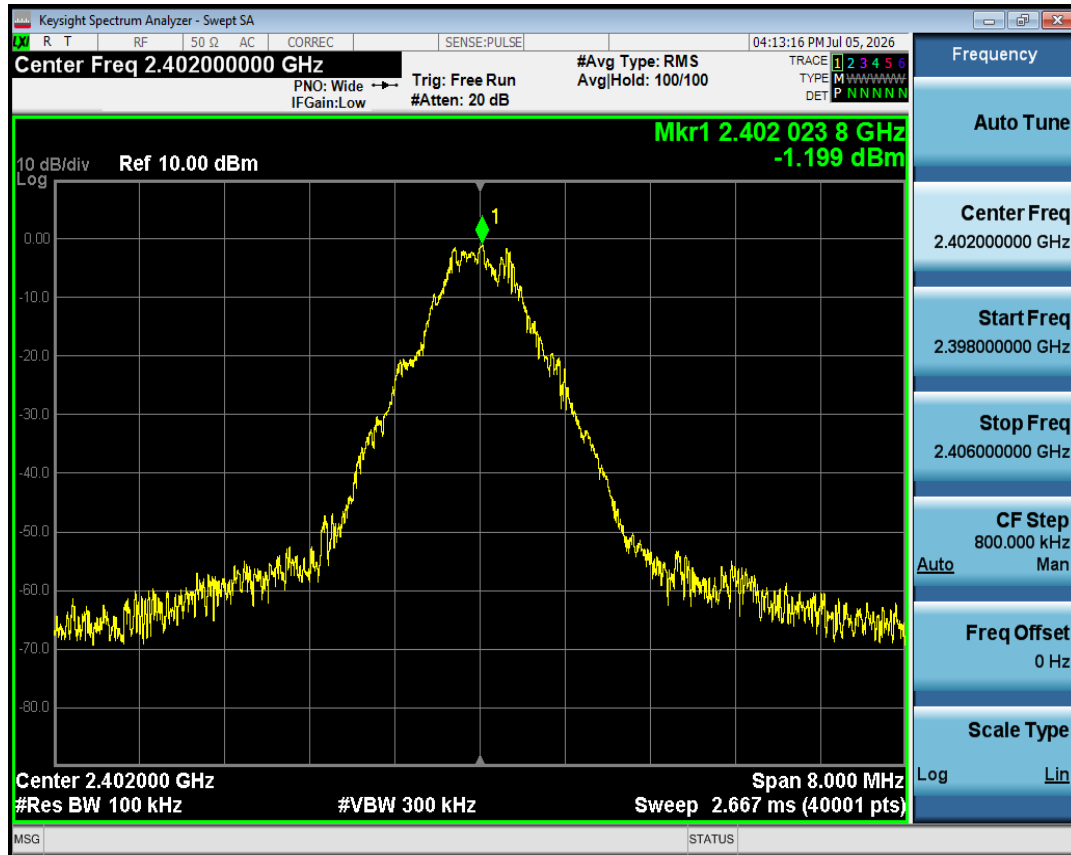
Band Edge NVNT BLE 1M 2480MHz Ant1 Ref



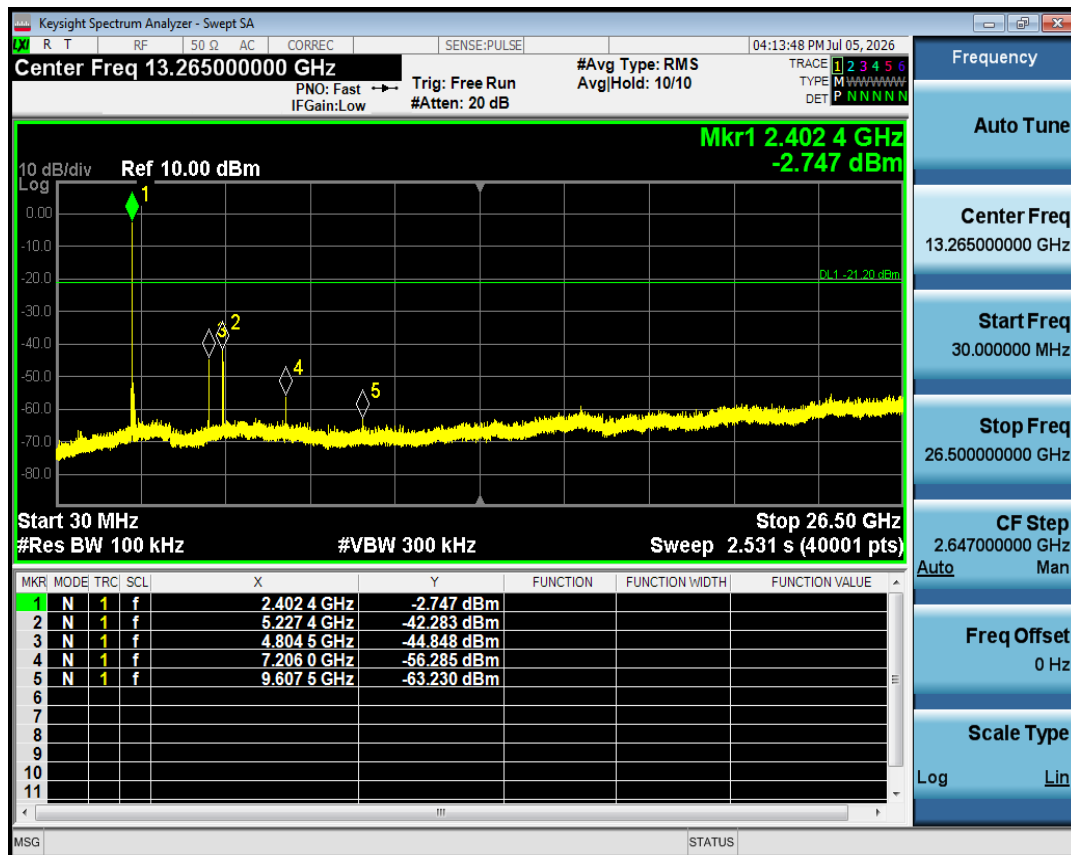
Band Edge NVNT BLE 1M 2480MHz Ant1 Emission

## Conducted RF Spurious Emission

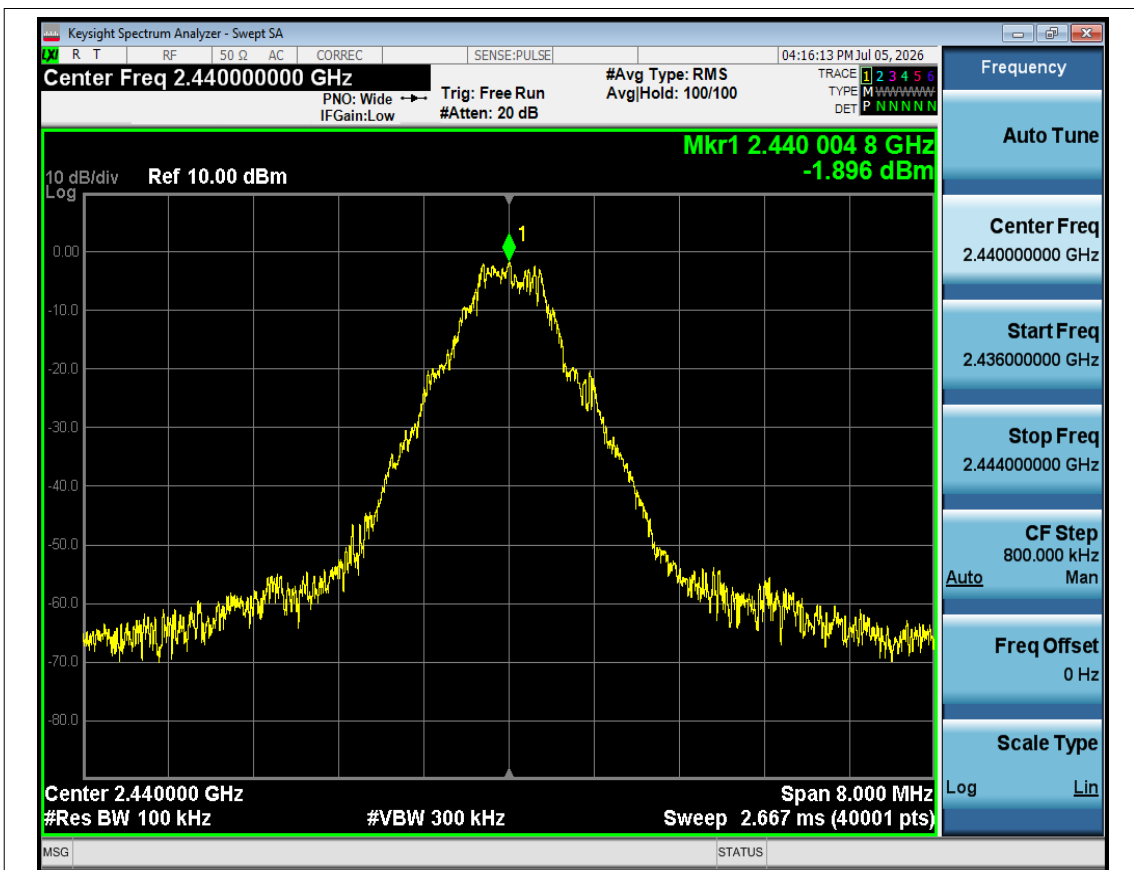
| Condition | Mode   | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|--------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | BLE 1M | 2402            | Ant1    | -41.08          | -20         | Pass    |
| NVNT      | BLE 1M | 2440            | Ant1    | -39.27          | -20         | Pass    |
| NVNT      | BLE 1M | 2480            | Ant1    | -41.13          | -20         | Pass    |



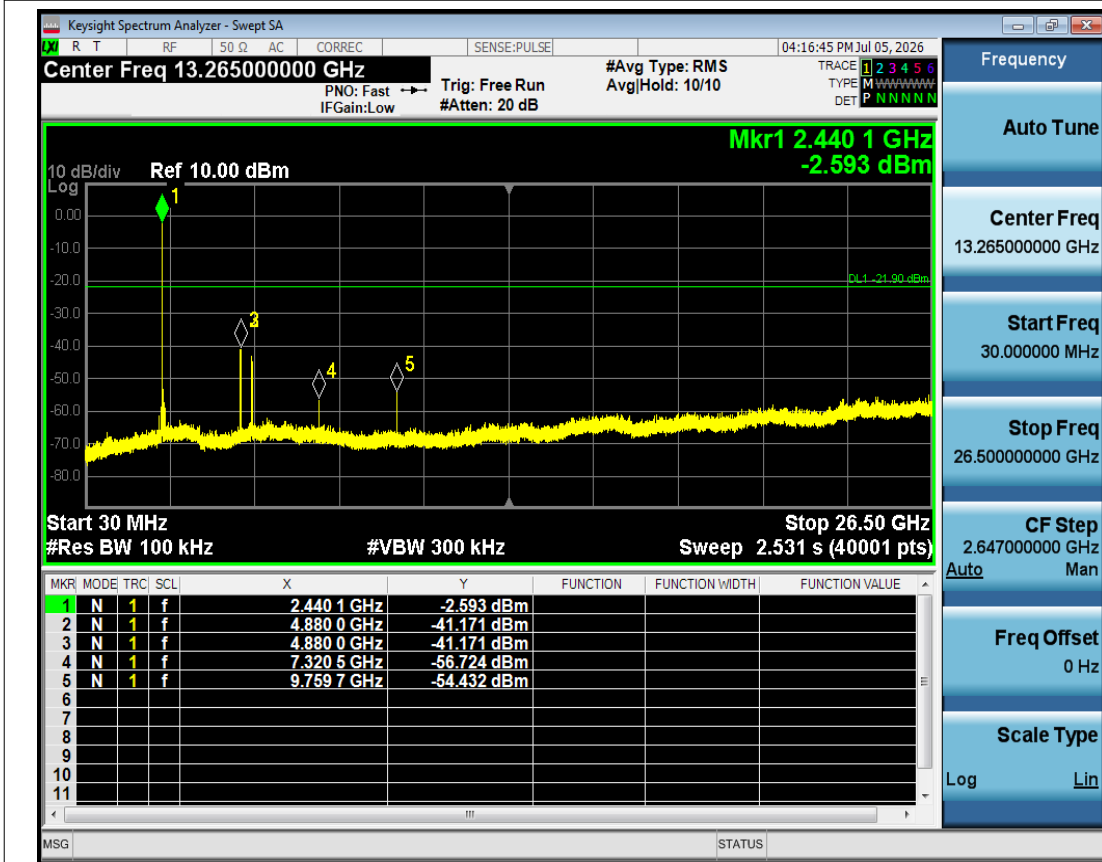
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



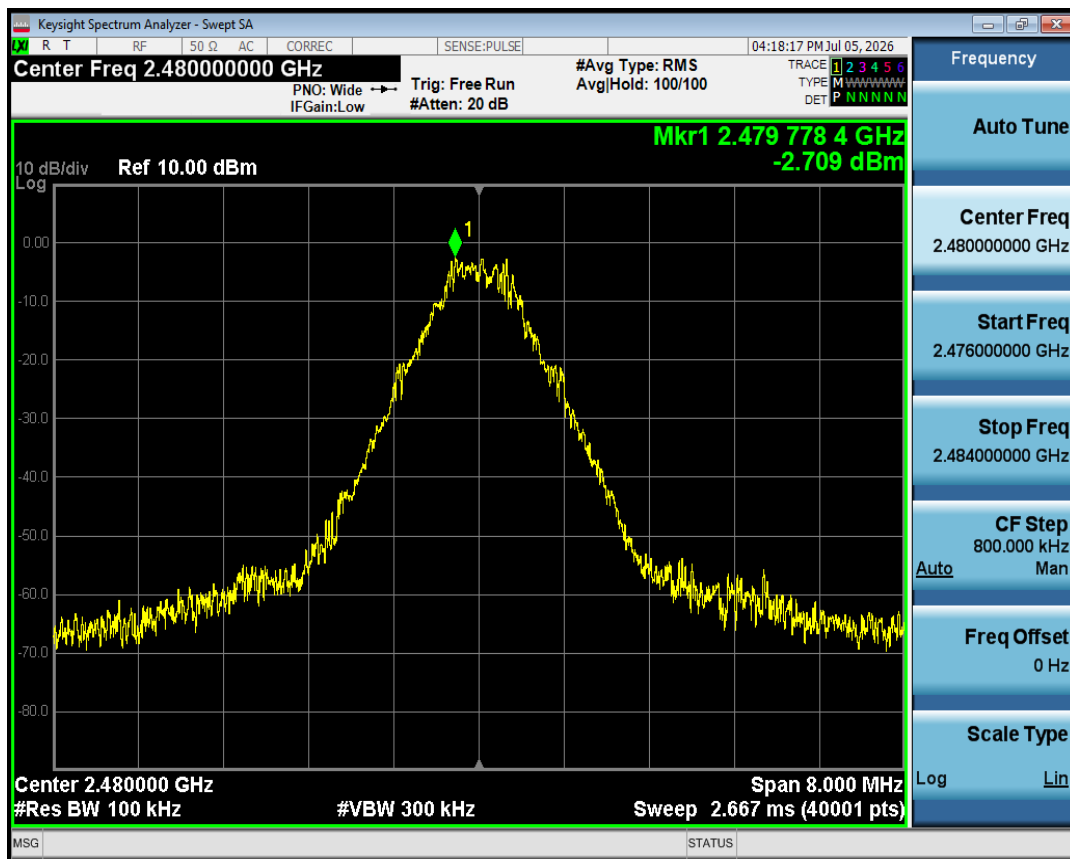
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission



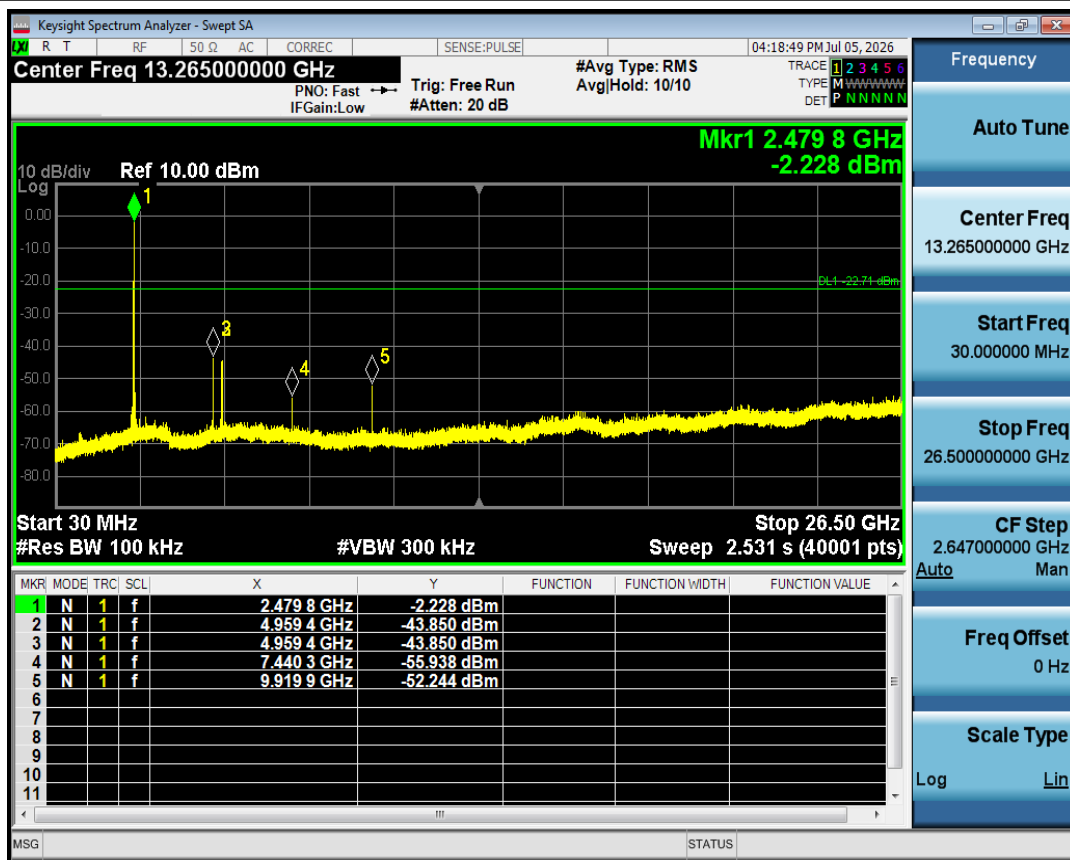
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Emission



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission