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## FCC ID:2BEET-V851S

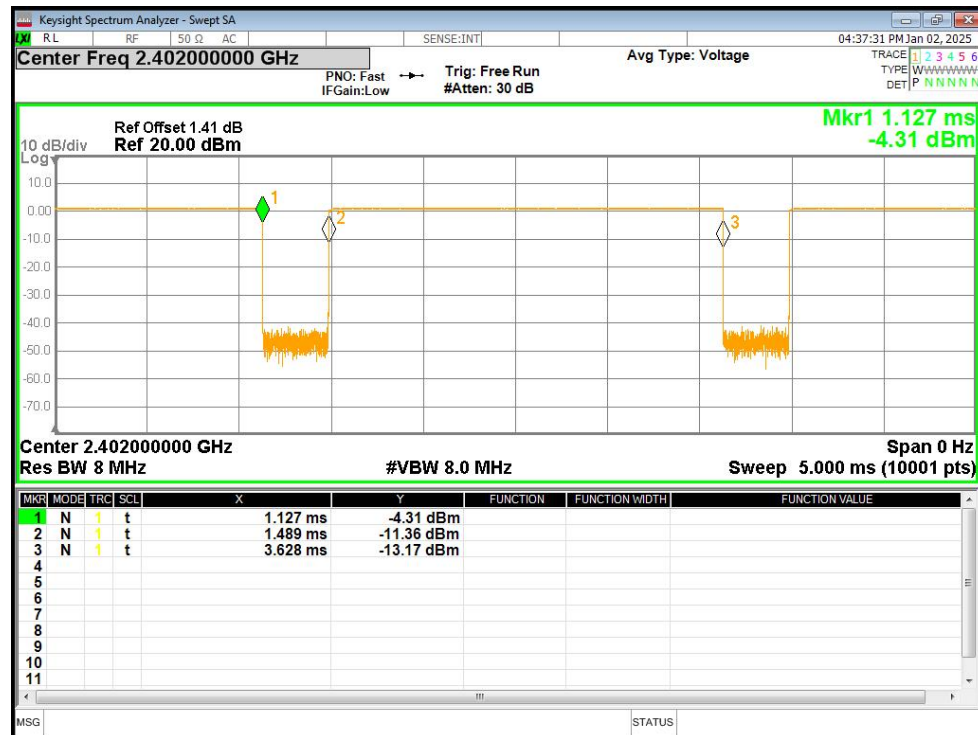
### FCC\_BLE(Part15.247) Test Data

#### 1.Duty Cycle

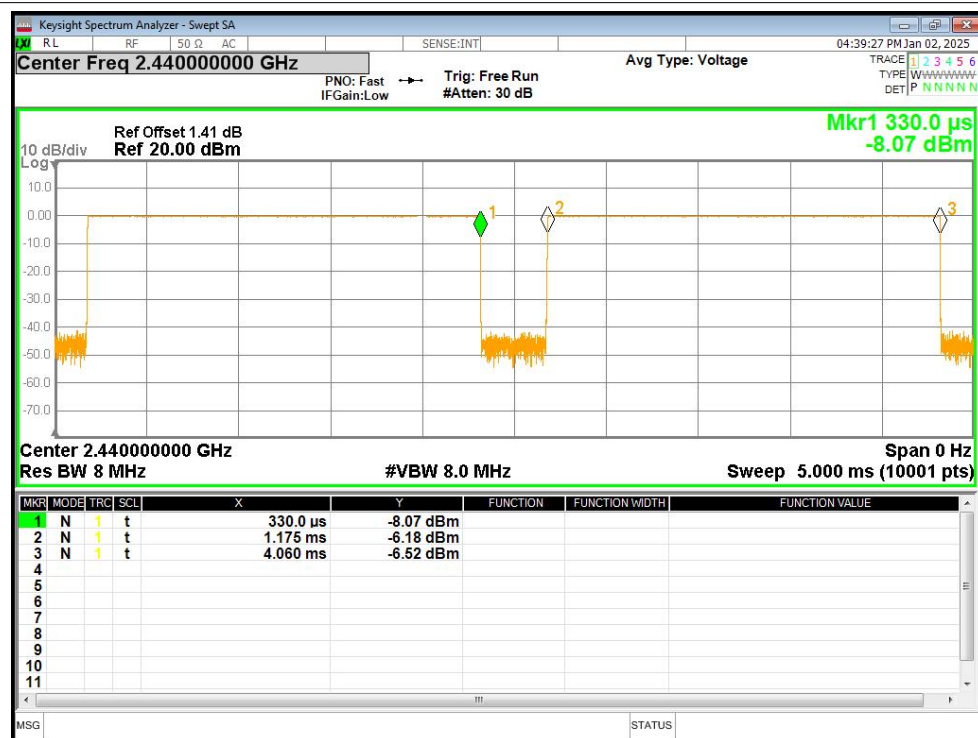
| Mode   | Frequency (MHz) | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|--------|-----------------|----------------|------------------------|-----------|
| BLE 1M | 2402            | 85.54          | 0.68                   | 0.47      |
| BLE 1M | 2440            | 85.54          | 0.68                   | 0.47      |
| BLE 1M | 2480            | 85.54          | 0.68                   | 0.47      |
| BLE 2M | 2402            | 57.65          | 2.39                   | 0.93      |
| BLE 2M | 2440            | 57.65          | 2.39                   | 0.93      |
| BLE 2M | 2480            | 57.65          | 2.39                   | 0.93      |

## Test Graphs

## Duty Cycle NVNT BLE 1M 2402MHz Ant1



## Duty Cycle NVNT BLE 1M 2440MHz Ant1



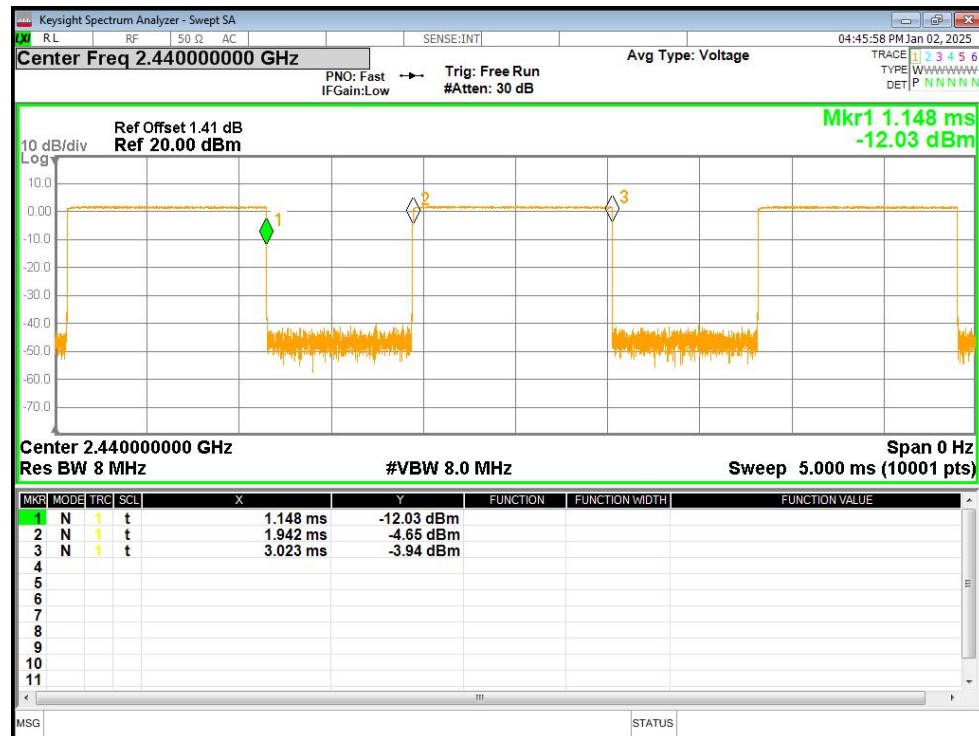
## Duty Cycle NVNT BLE 1M 2480MHz Ant1



## Duty Cycle NVNT BLE 2M 2402MHz Ant1



## Duty Cycle NVNT BLE 2M 2440MHz Ant1



## Duty Cycle NVNT BLE 2M 2480MHz Ant1



**2.Maximum Peak Conducted Output Power**

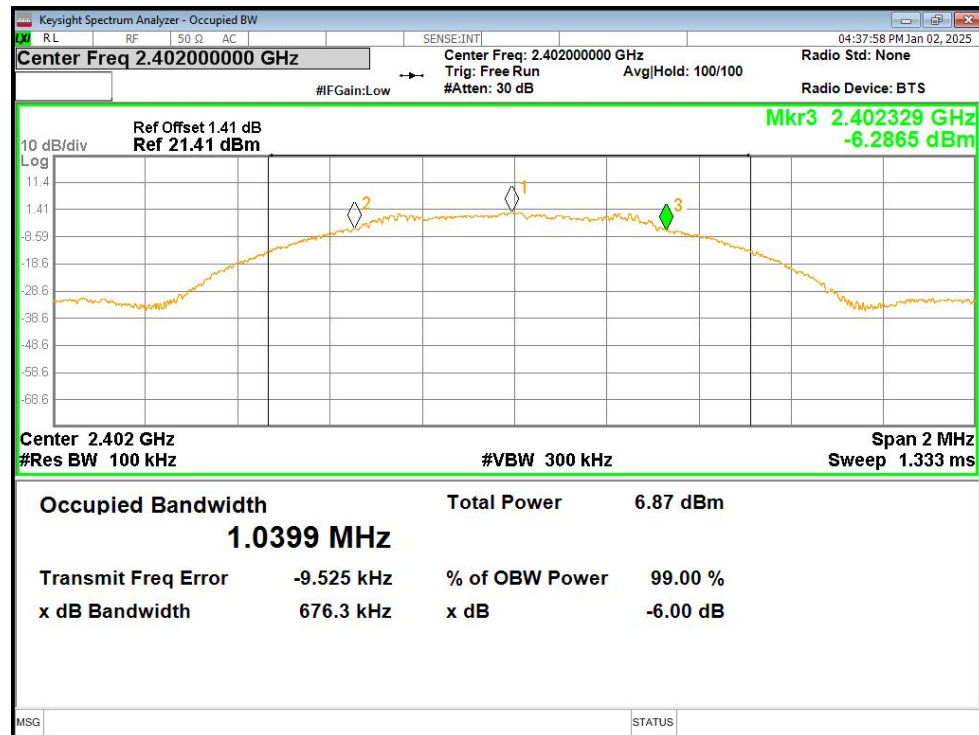
| Mode   | Frequency (MHz) | Total Power (dBm) | Limit (dBm) | Verdict |
|--------|-----------------|-------------------|-------------|---------|
| BLE 1M | 2402            | 0.97              | 30          | Pass    |
| BLE 1M | 2440            | 1.12              | 30          | Pass    |
| BLE 1M | 2480            | -0.18             | 30          | Pass    |
| BLE 2M | 2402            | 1.48              | 30          | Pass    |
| BLE 2M | 2440            | 1.46              | 30          | Pass    |
| BLE 2M | 2480            | 0.35              | 30          | Pass    |

**3.-6dB Bandwidth**

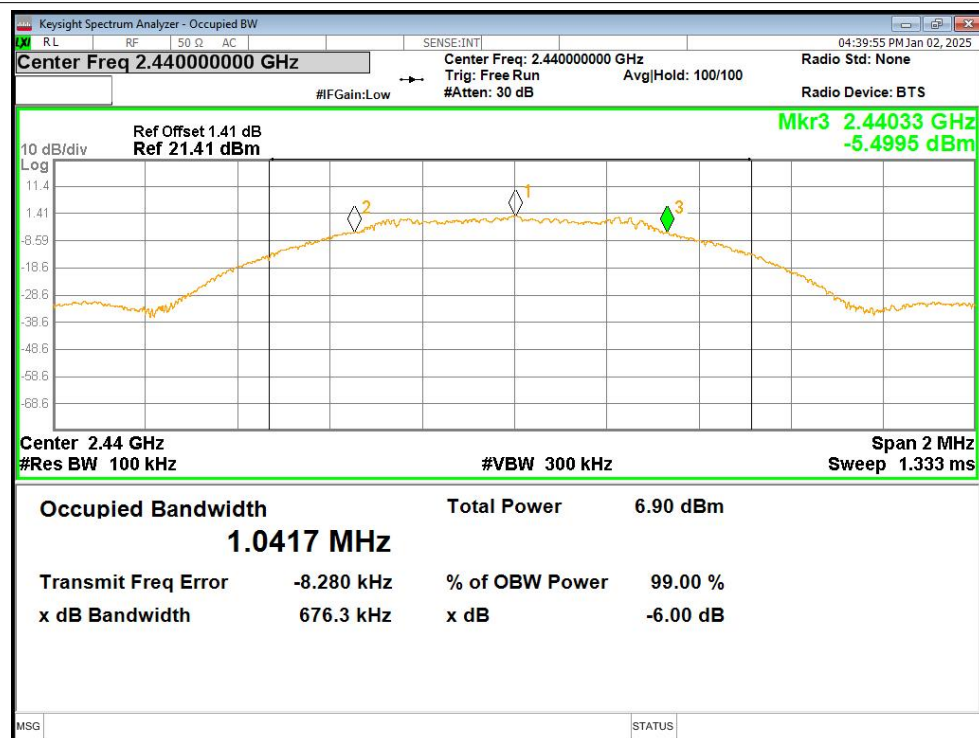
| Mode   | Frequency (MHz) | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|--------|-----------------|-----------------------|-----------------------------|---------|
| BLE 1M | 2402            | 0.676                 | 0.5                         | Pass    |
| BLE 1M | 2440            | 0.676                 | 0.5                         | Pass    |
| BLE 1M | 2480            | 0.672                 | 0.5                         | Pass    |
| BLE 2M | 2402            | 1.145                 | 0.5                         | Pass    |
| BLE 2M | 2440            | 1.109                 | 0.5                         | Pass    |
| BLE 2M | 2480            | 1.251                 | 0.5                         | Pass    |

## Test Graphs

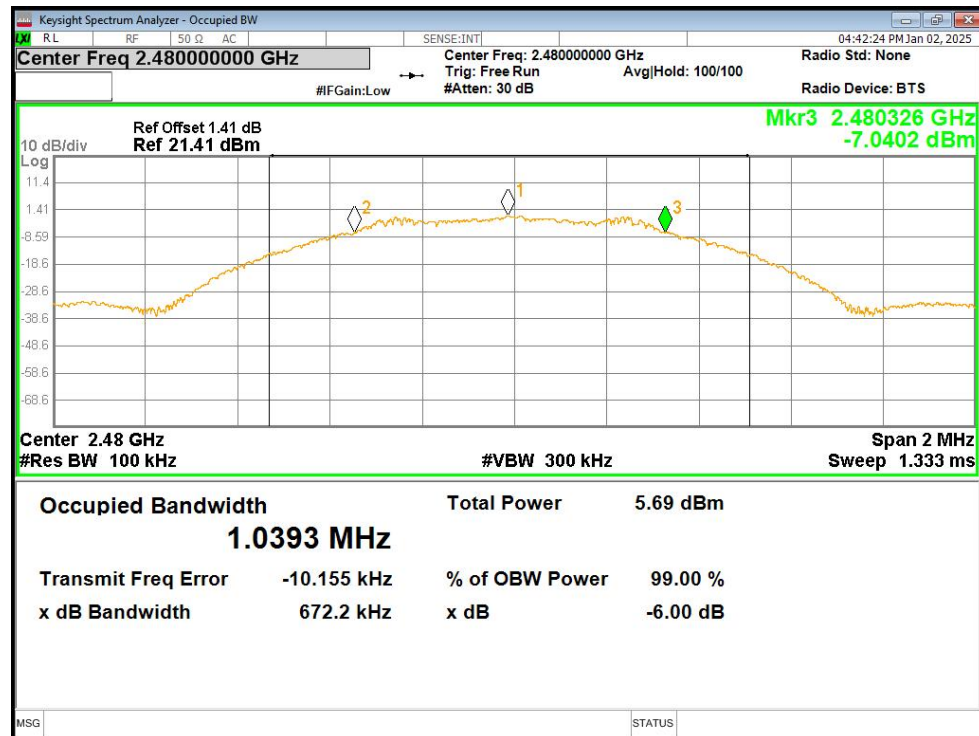
## -6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



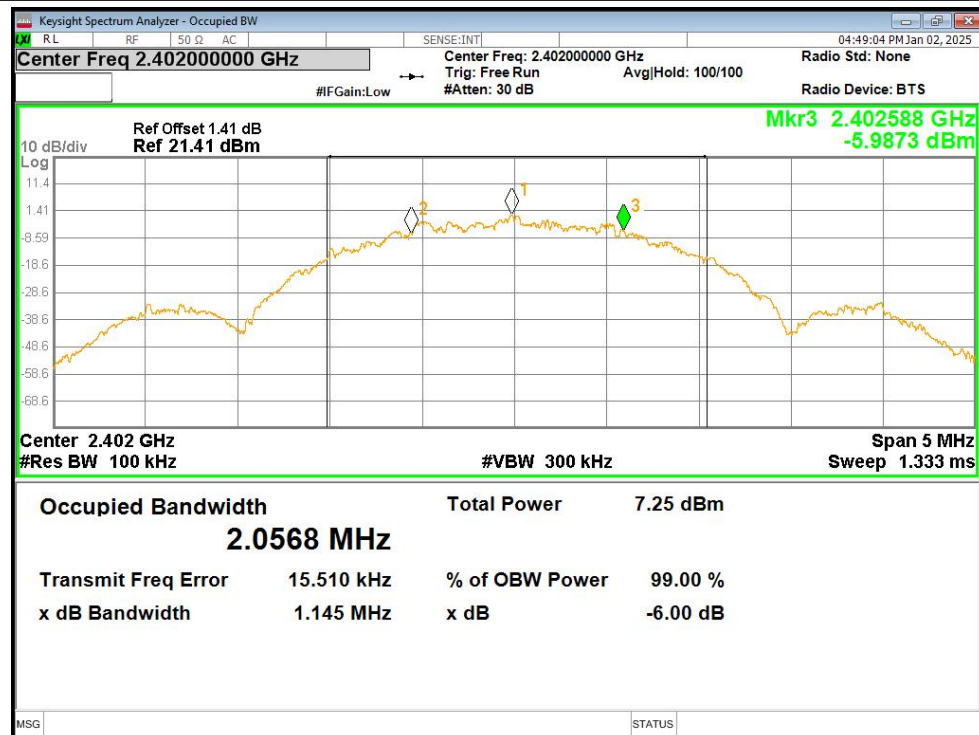
## -6dB Bandwidth NVNT BLE 1M 2440MHz Ant1



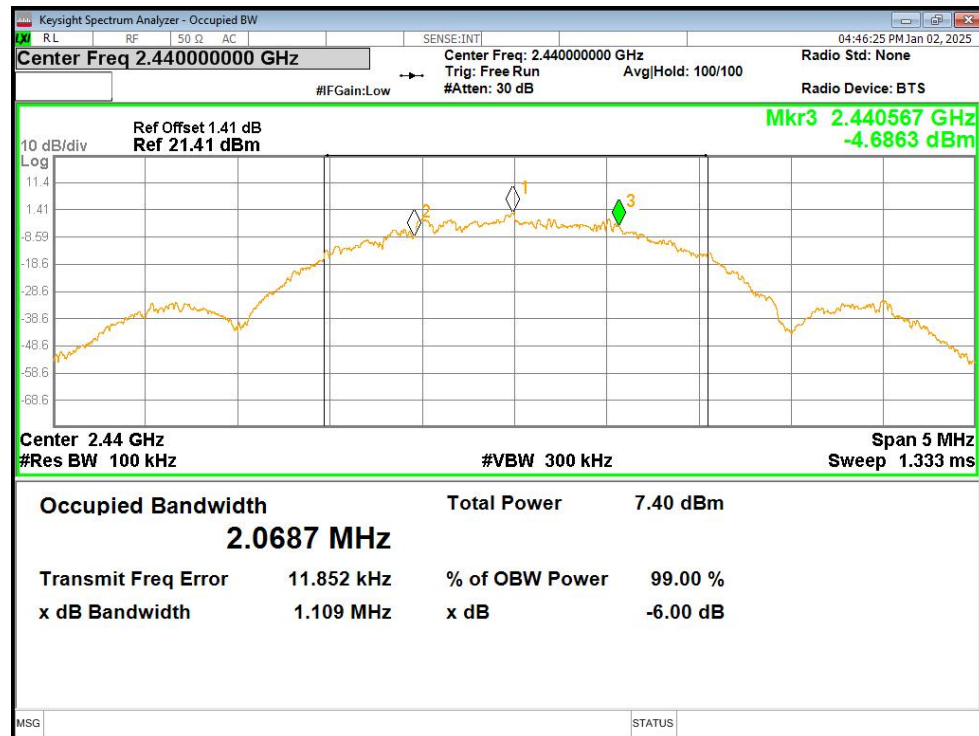
## -6dB Bandwidth NVNT BLE 1M 2480MHz Ant1



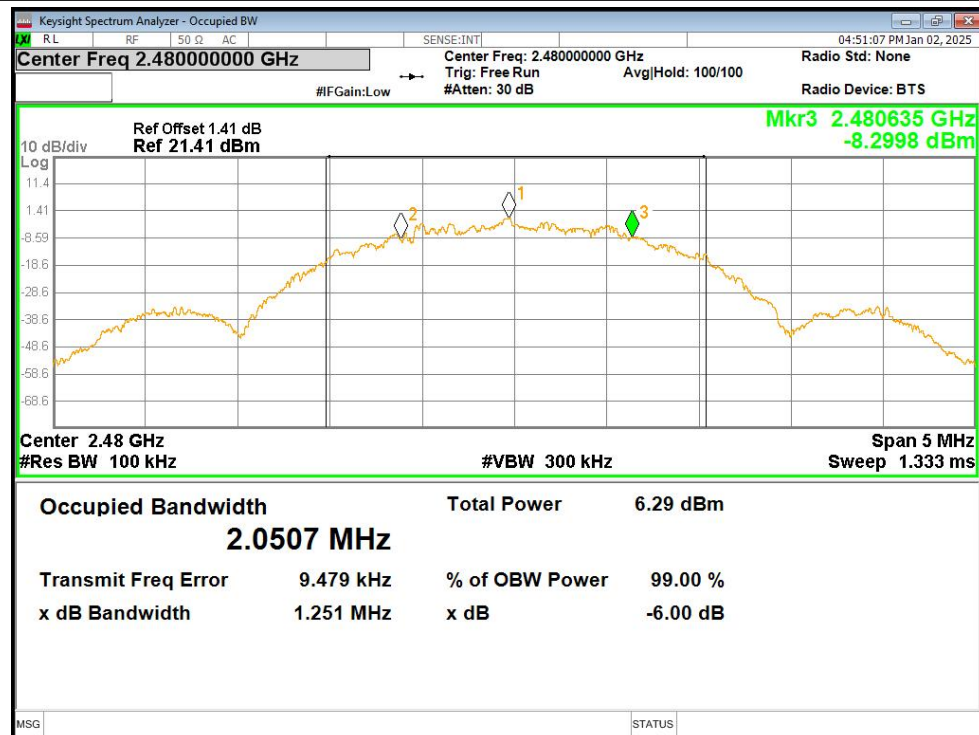
## -6dB Bandwidth NVNT BLE 2M 2402MHz Ant1



## -6dB Bandwidth NVNT BLE 2M 2440MHz Ant1



## -6dB Bandwidth NVNT BLE 2M 2480MHz Ant1

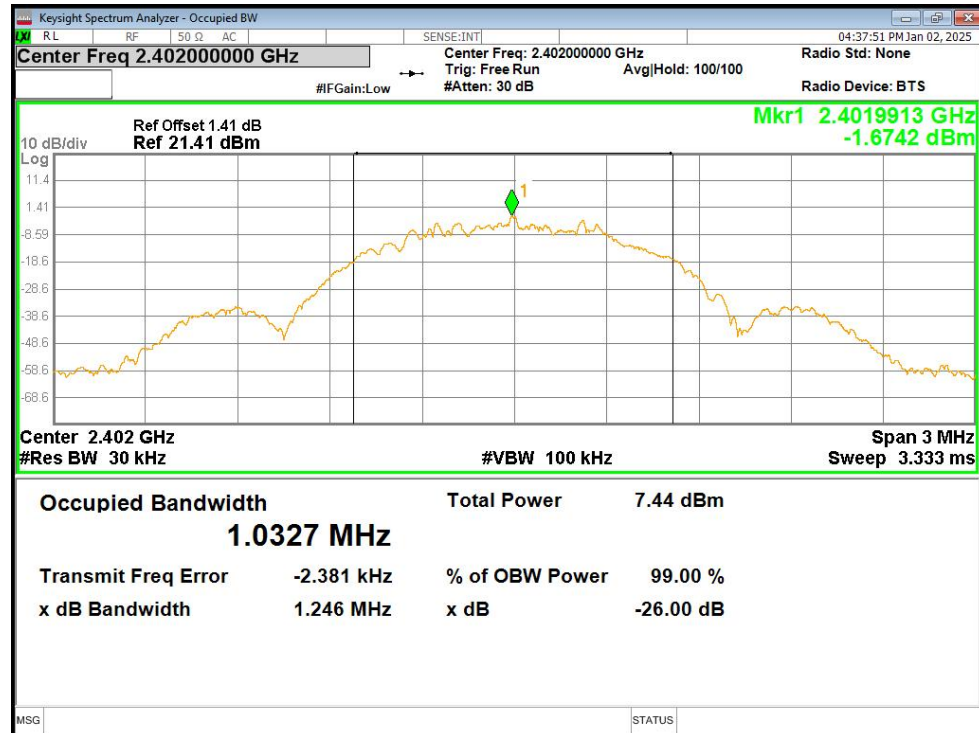


**4.Occupied Channel Bandwidth**

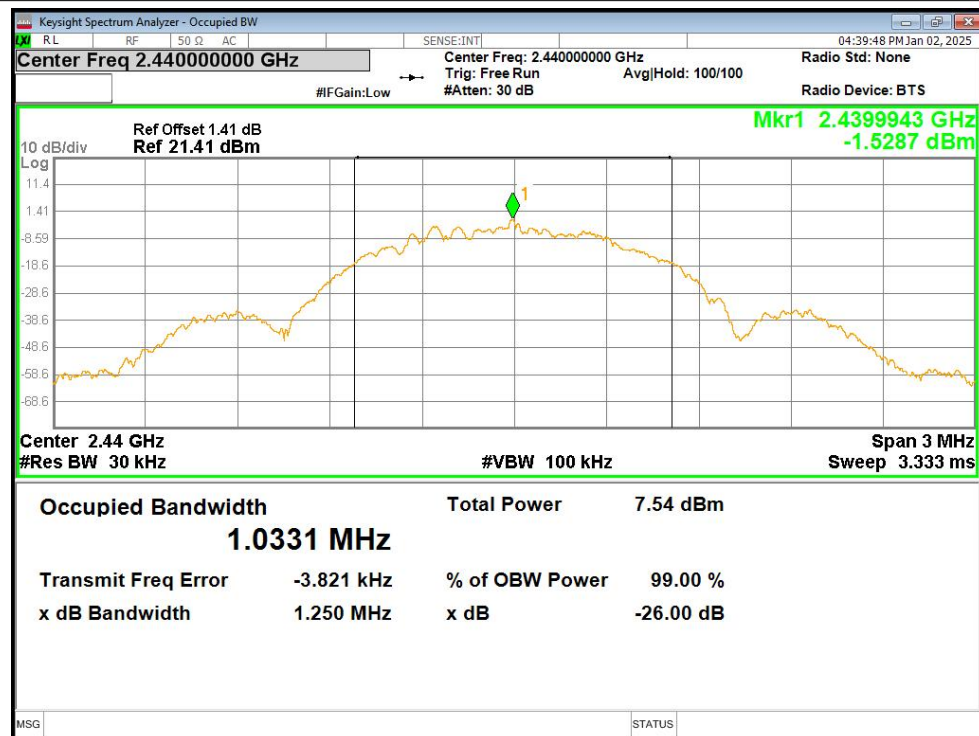
| Mode   | Frequency (MHz) | 99% OBW (MHz) |
|--------|-----------------|---------------|
| BLE 1M | 2402            | 1.033         |
| BLE 1M | 2440            | 1.033         |
| BLE 1M | 2480            | 1.039         |
| BLE 2M | 2402            | 2.064         |
| BLE 2M | 2440            | 2.079         |
| BLE 2M | 2480            | 2.049         |

## Test Graphs

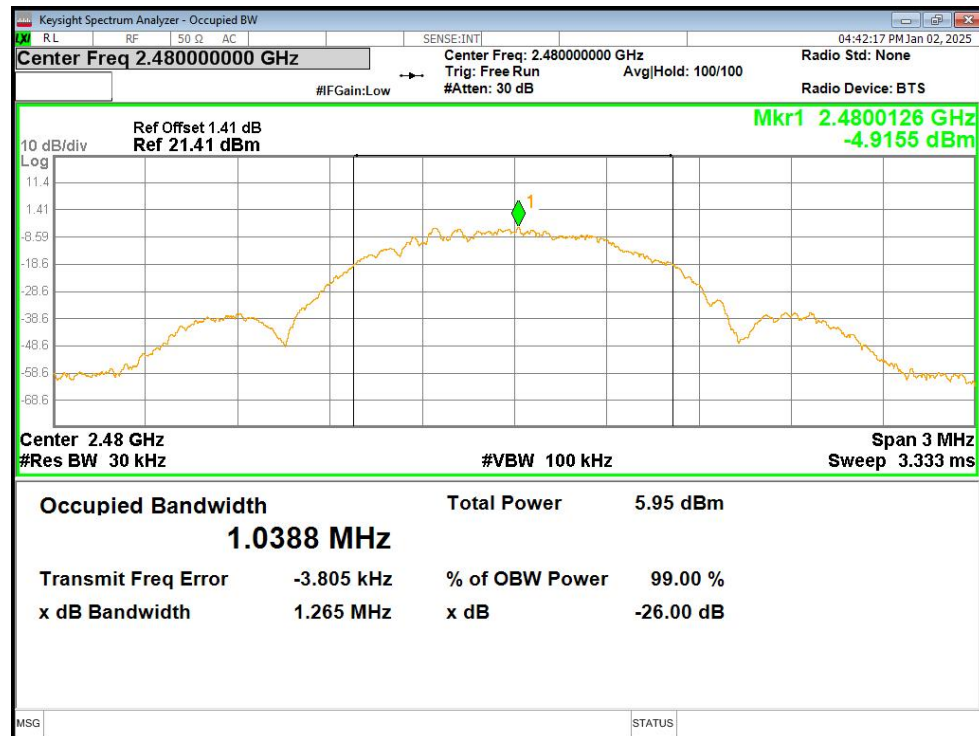
## OBW NVNT BLE 1M 2402MHz Ant1



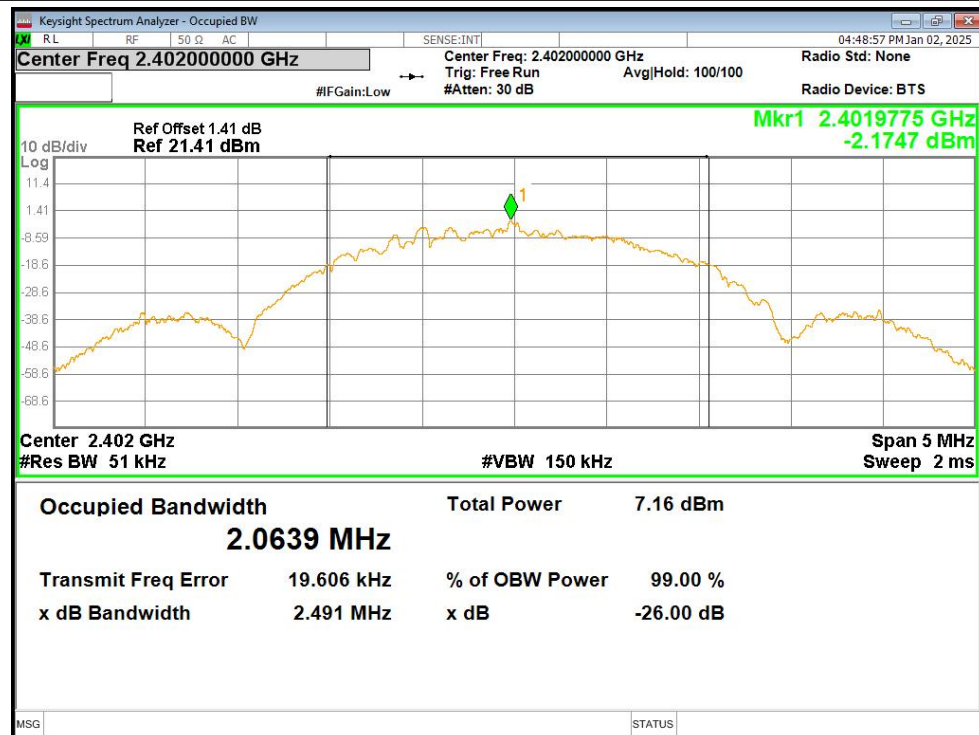
## OBW NVNT BLE 1M 2440MHz Ant1



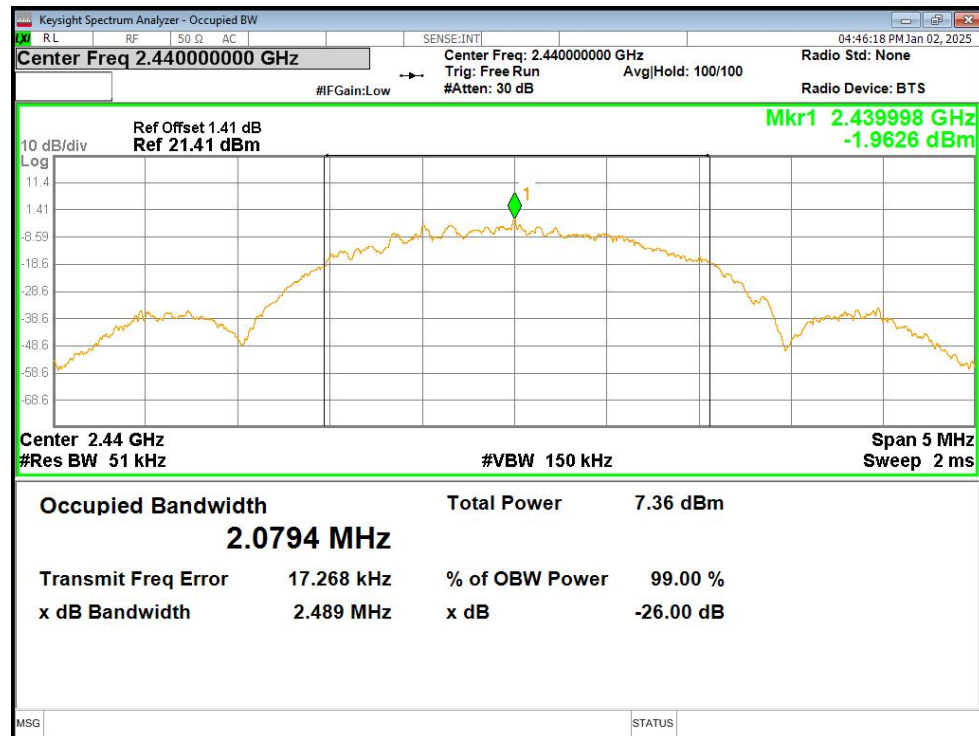
## OBW NVNT BLE 1M 2480MHz Ant1



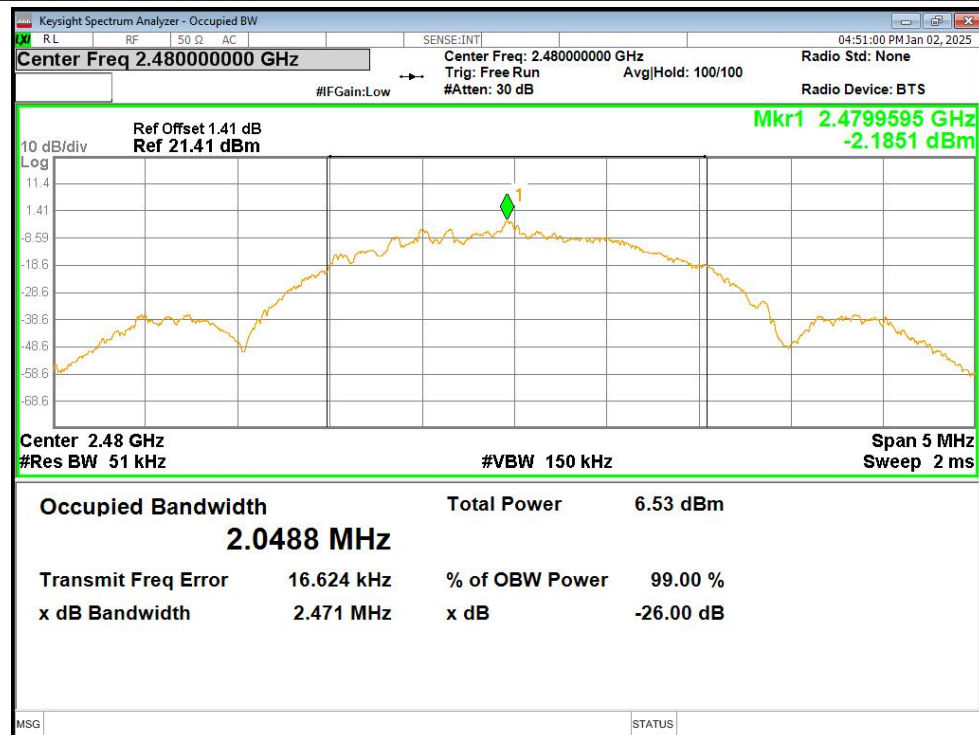
## OBW NVNT BLE 2M 2402MHz Ant1



## OBW NVNT BLE 2M 2440MHz Ant1



## OBW NVNT BLE 2M 2480MHz Ant1

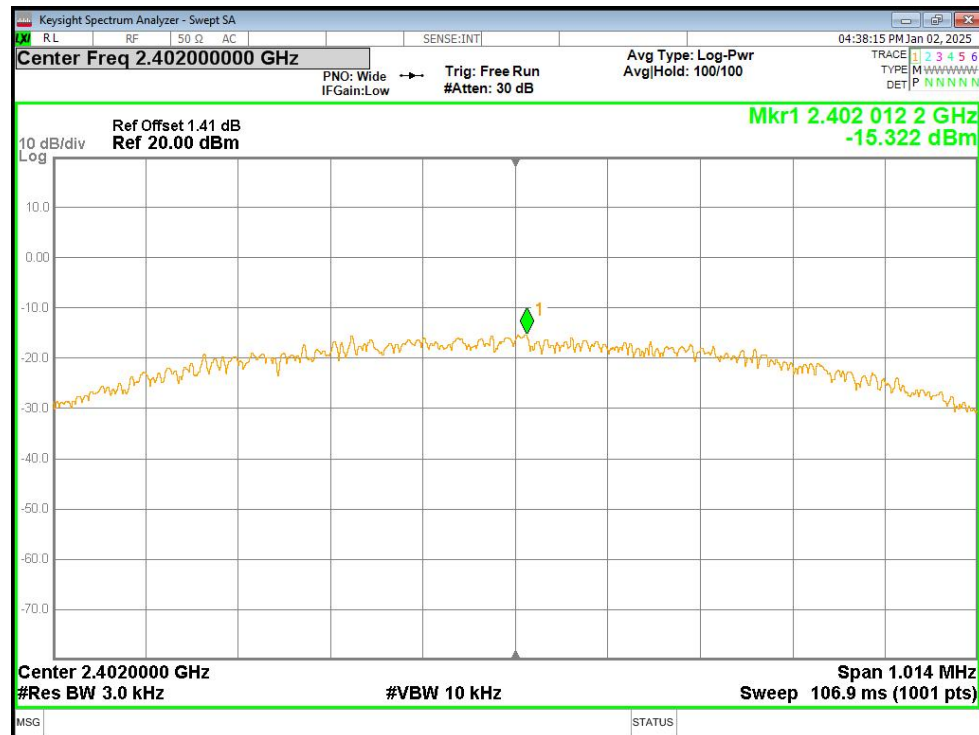


**5.Maximum Power Spectral Density Level**

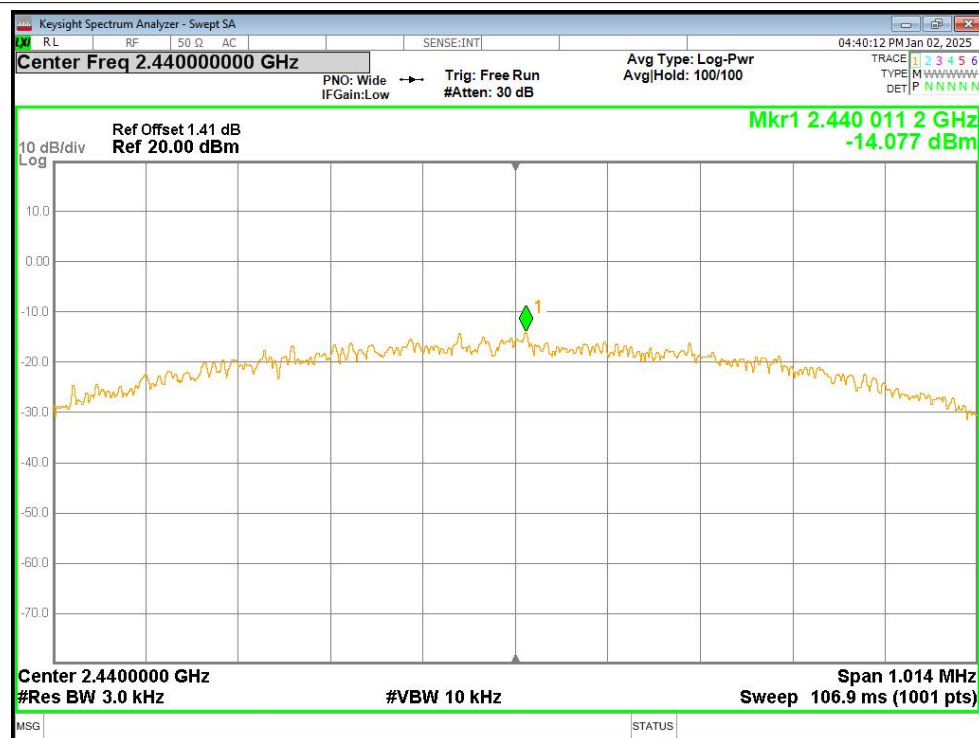
| Mode   | Frequency (MHz) | Total PSD<br>(dBm/3kHz) | Limit (dBm/3kHz) | Verdict |
|--------|-----------------|-------------------------|------------------|---------|
| BLE 1M | 2402            | -15.32                  | 8                | Pass    |
| BLE 1M | 2440            | -14.08                  | 8                | Pass    |
| BLE 1M | 2480            | -15.95                  | 8                | Pass    |
| BLE 2M | 2402            | -16.63                  | 8                | Pass    |
| BLE 2M | 2440            | -15.53                  | 8                | Pass    |
| BLE 2M | 2480            | -17.15                  | 8                | Pass    |

## Test Graphs

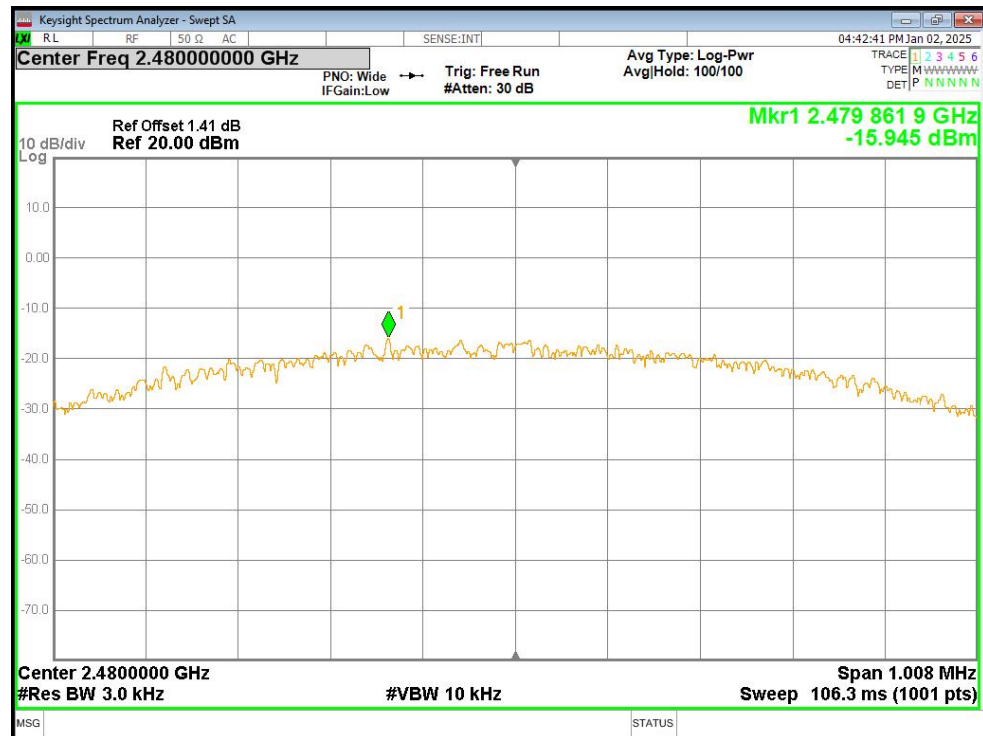
## PSD NVNT BLE 1M 2402MHz Ant1



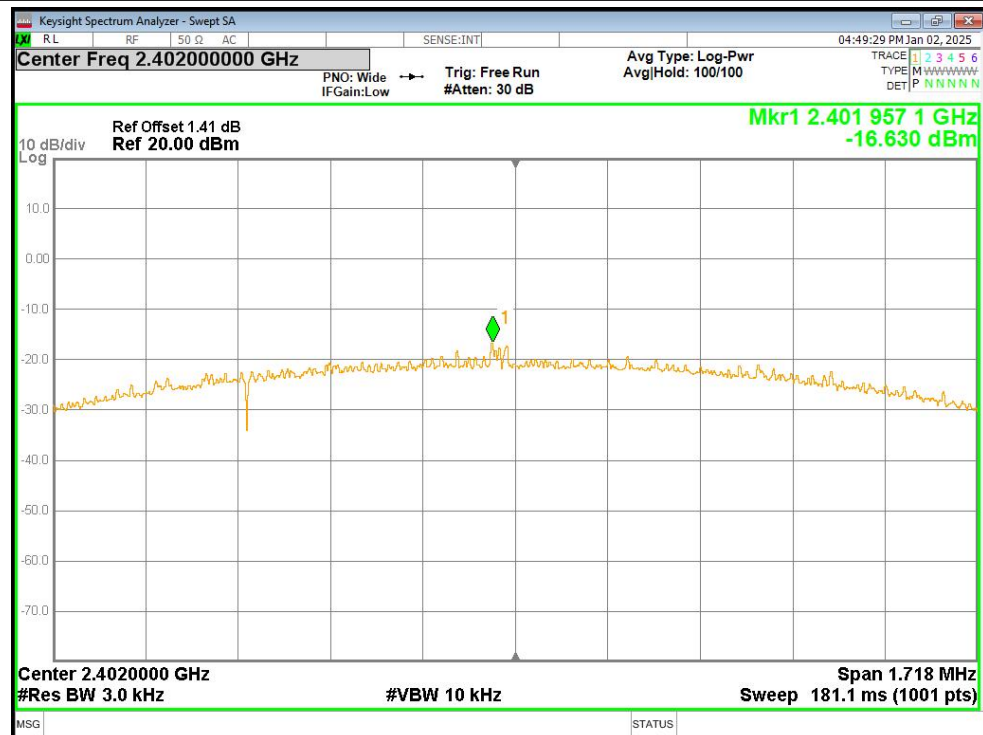
## PSD NVNT BLE 1M 2440MHz Ant1



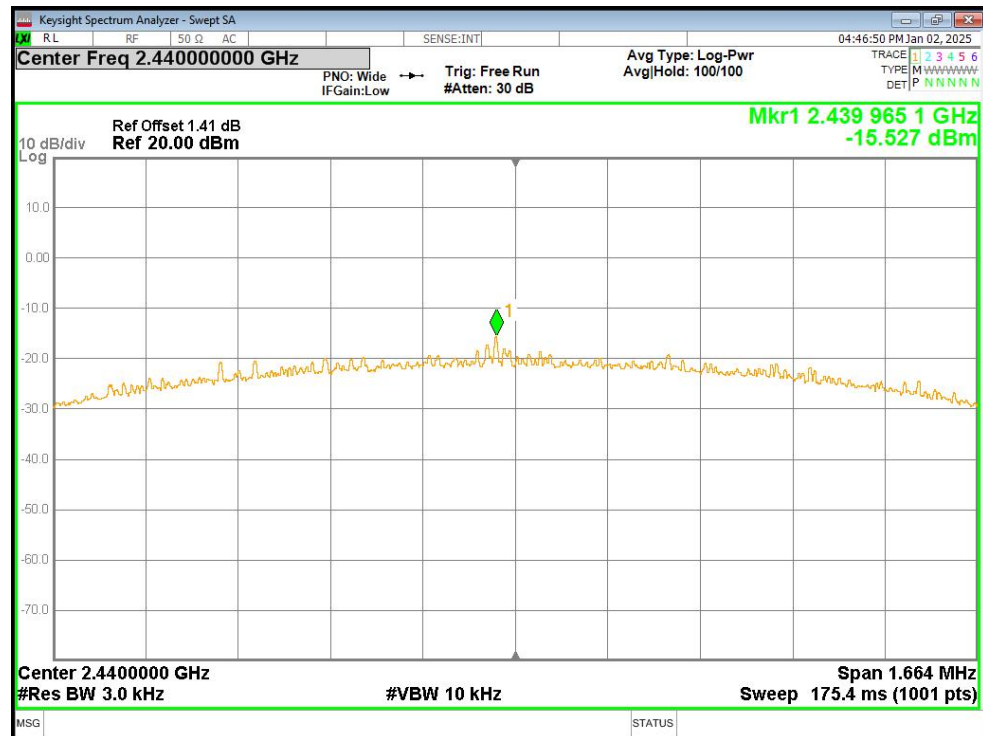
## PSD NVNT BLE 1M 2480MHz Ant1



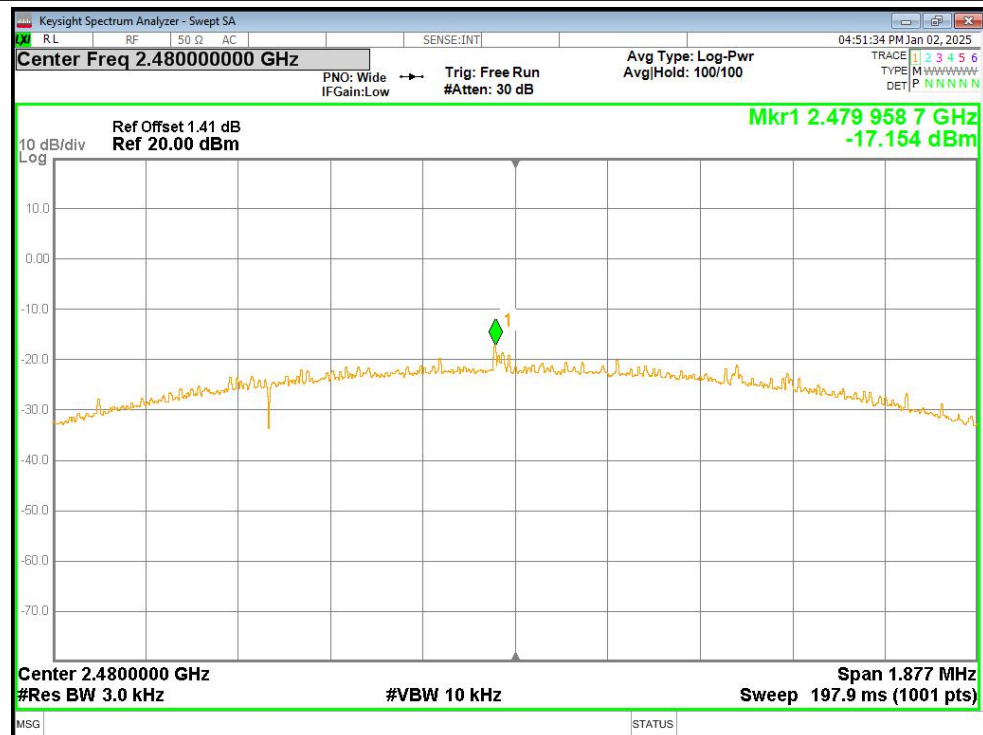
## PSD NVNT BLE 2M 2402MHz Ant1



## PSD NVNT BLE 2M 2440MHz Ant1



## PSD NVNT BLE 2M 2480MHz Ant1

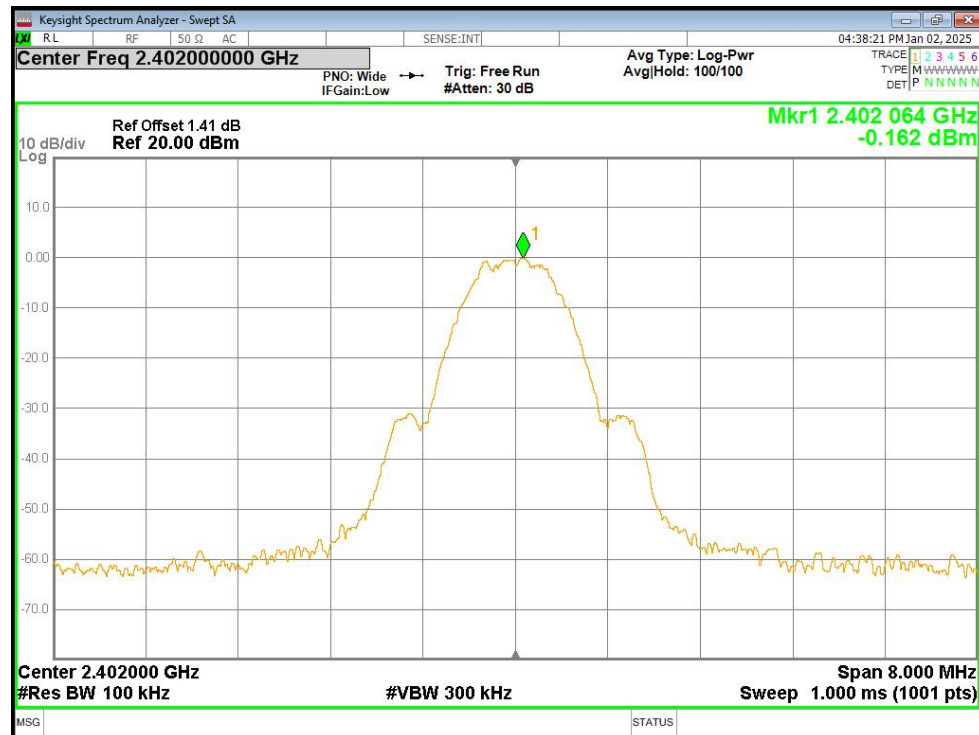


**6.Band Edge**

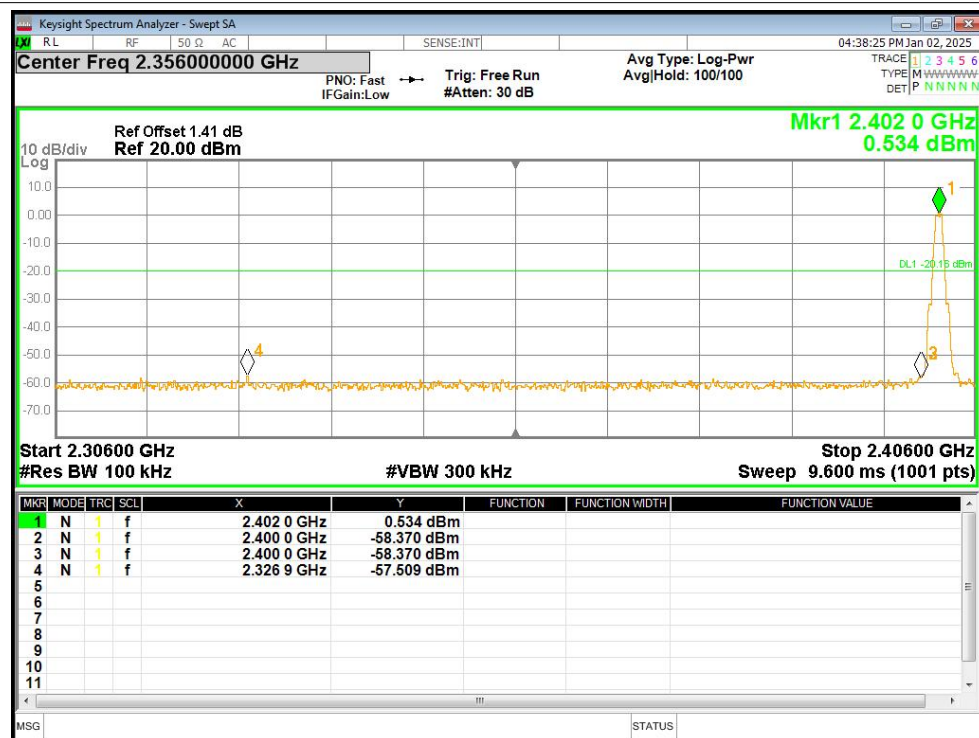
| <b>Mode</b> | <b>Frequency (MHz)</b> | <b>Max Value (dBc)</b> | <b>Limit (dBc)</b> | <b>Verdict</b> |
|-------------|------------------------|------------------------|--------------------|----------------|
| BLE 1M      | 2402                   | -57.34                 | -20                | Pass           |
| BLE 1M      | 2480                   | -57.36                 | -20                | Pass           |
| BLE 2M      | 2402                   | -32.2                  | -20                | Pass           |
| BLE 2M      | 2480                   | -57.46                 | -20                | Pass           |

## Test Graphs

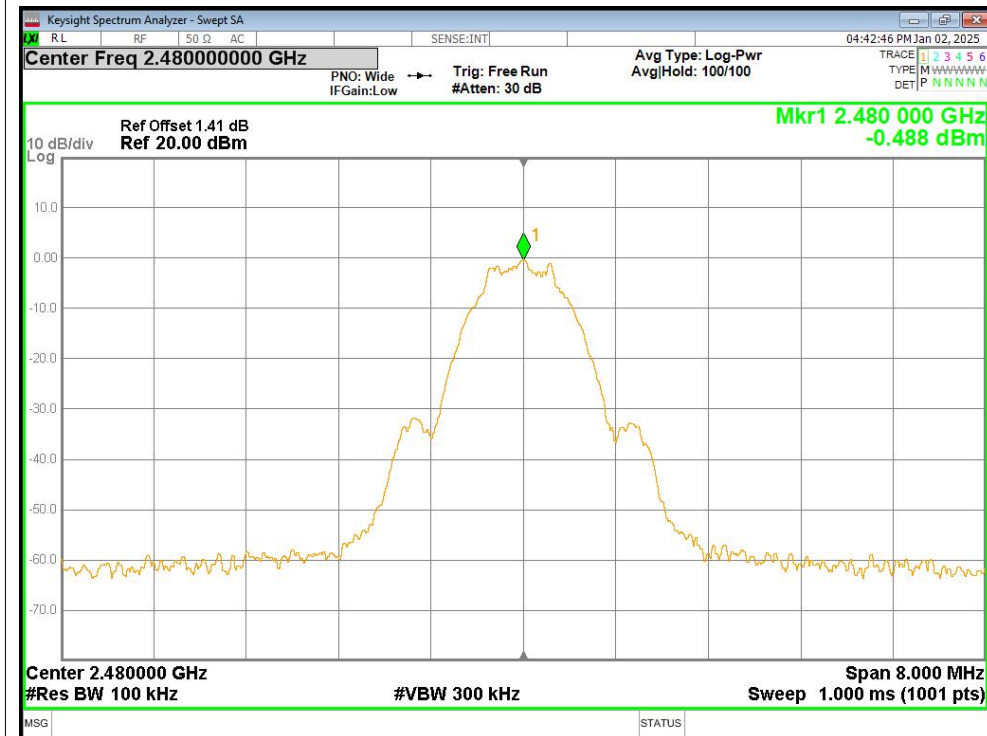
## Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



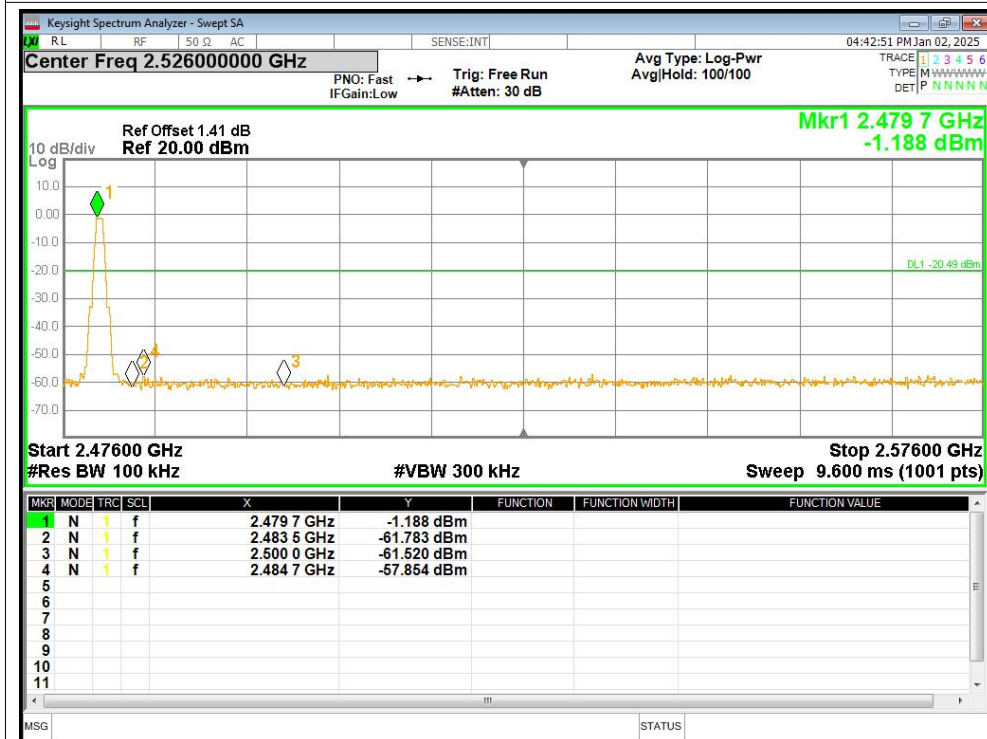
## Band Edge NVNT BLE 1M 2402MHz Ant1 Emission



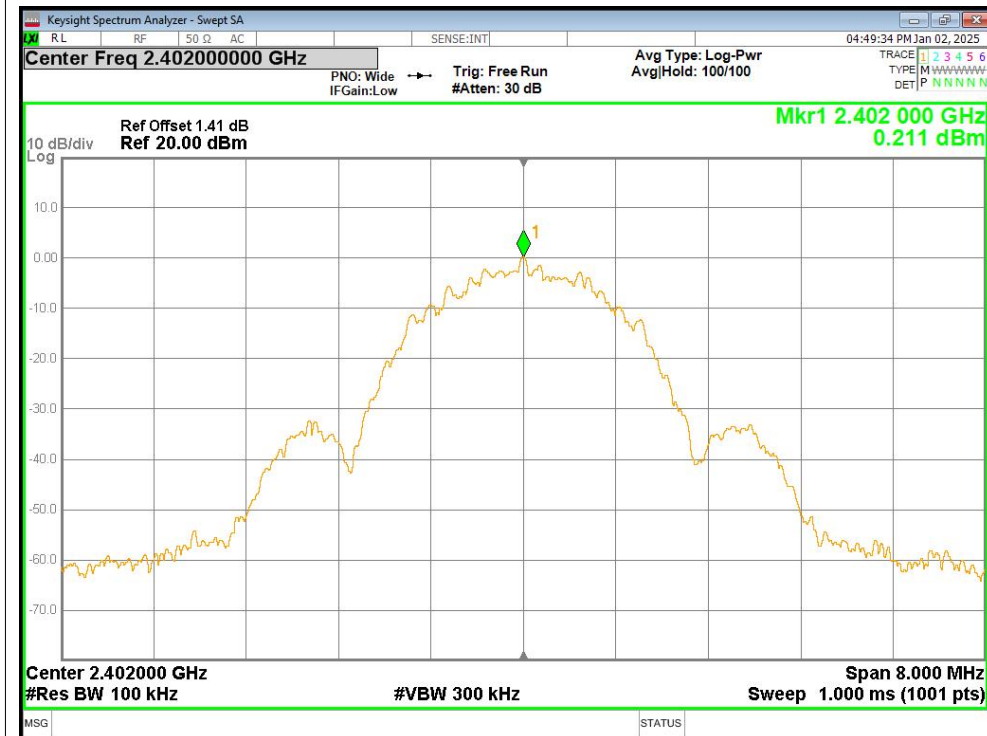
## Band Edge NVNT BLE 1M 2480MHz Ant1 Ref



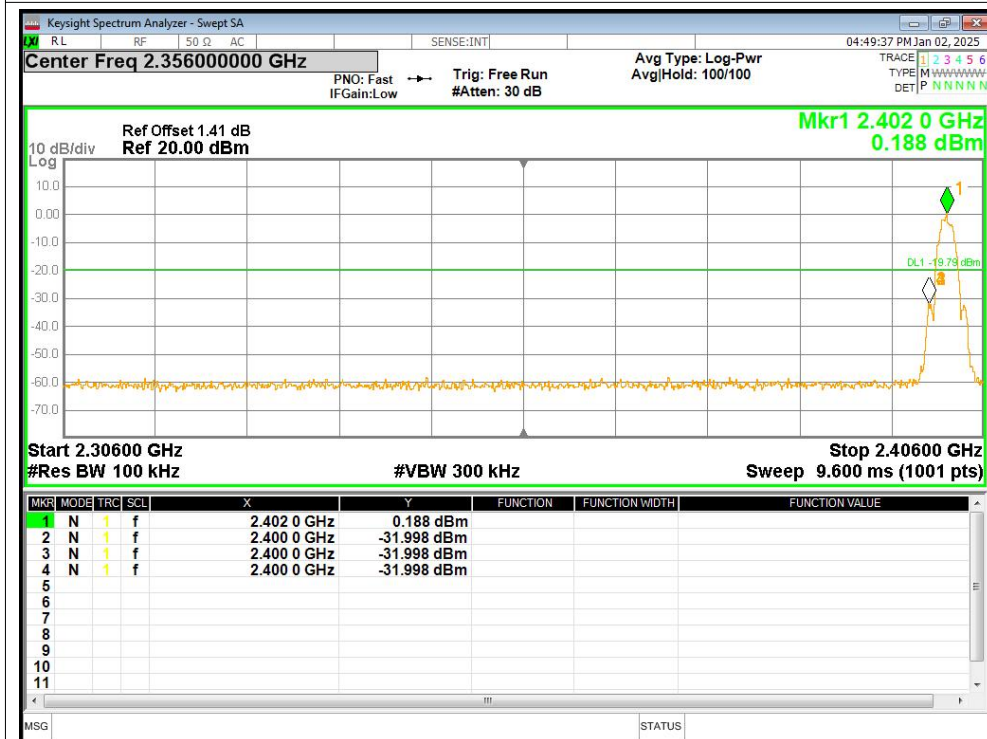
## Band Edge NVNT BLE 1M 2480MHz Ant1 Emission



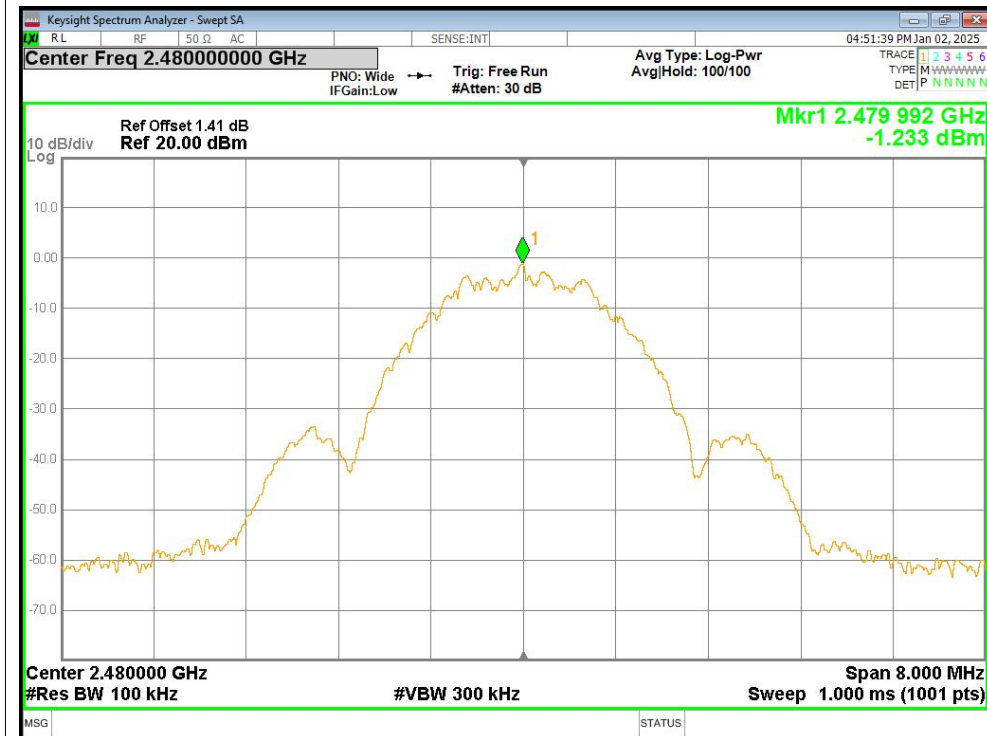
## Band Edge NVNT BLE 2M 2402MHz Ant1 Ref



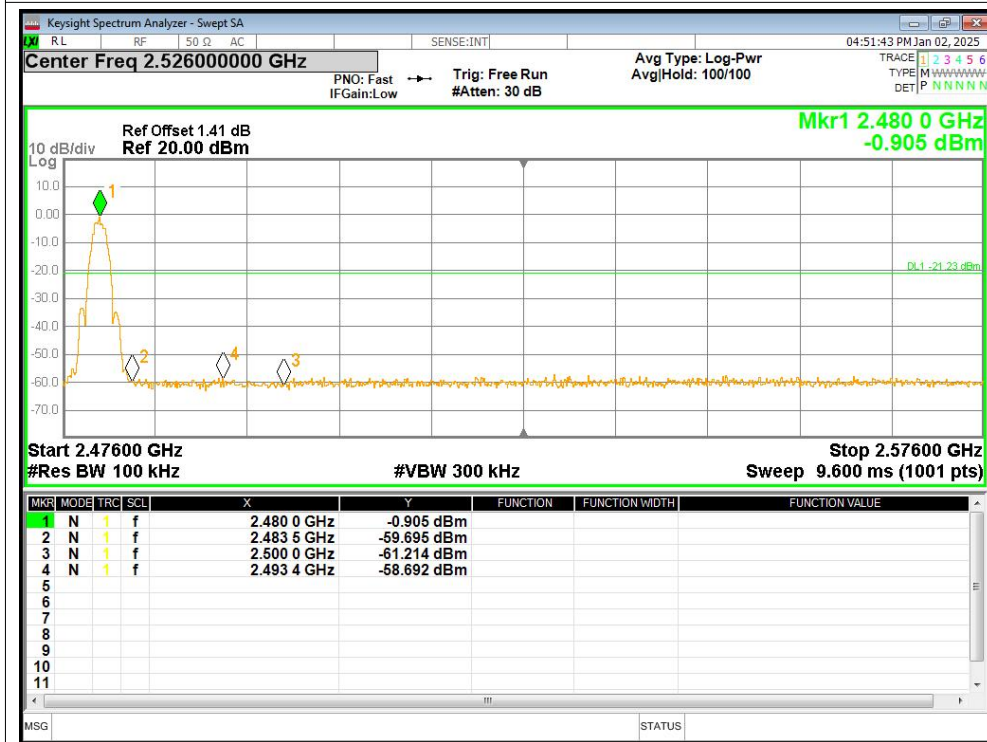
## Band Edge NVNT BLE 2M 2402MHz Ant1 Emission



## Band Edge NVNT BLE 2M 2480MHz Ant1 Ref



## Band Edge NVNT BLE 2M 2480MHz Ant1 Emission

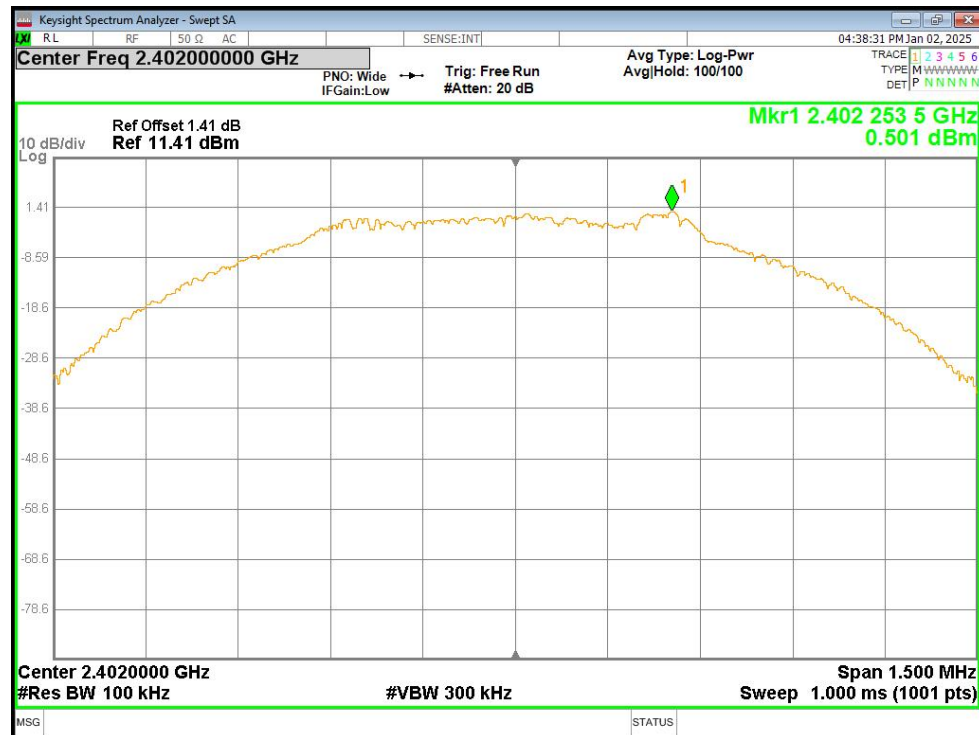


**7. Conducted RF Spurious Emission**

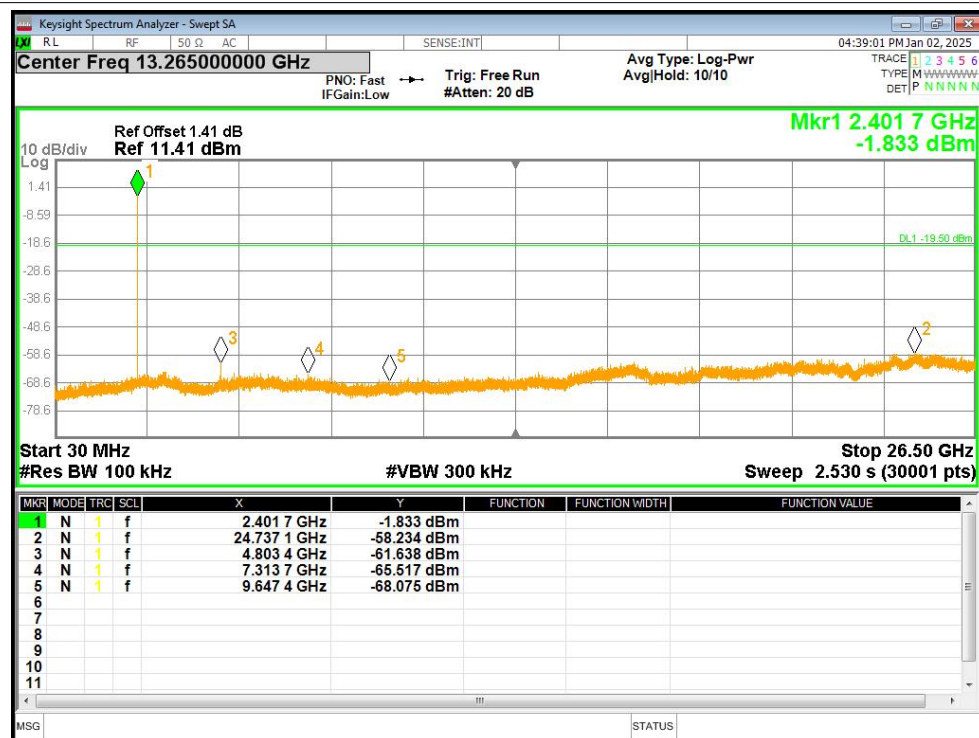
| Mode   | Frequency (MHz) | Max Value (dBc) | Limit (dBc) | Verdict |
|--------|-----------------|-----------------|-------------|---------|
| BLE 1M | 2402            | -58.73          | -20         | Pass    |
| BLE 1M | 2440            | -57.27          | -20         | Pass    |
| BLE 1M | 2480            | -56.45          | -20         | Pass    |
| BLE 2M | 2402            | -57.94          | -20         | Pass    |
| BLE 2M | 2440            | -50.62          | -20         | Pass    |
| BLE 2M | 2480            | -56.37          | -20         | Pass    |

## Test Graphs

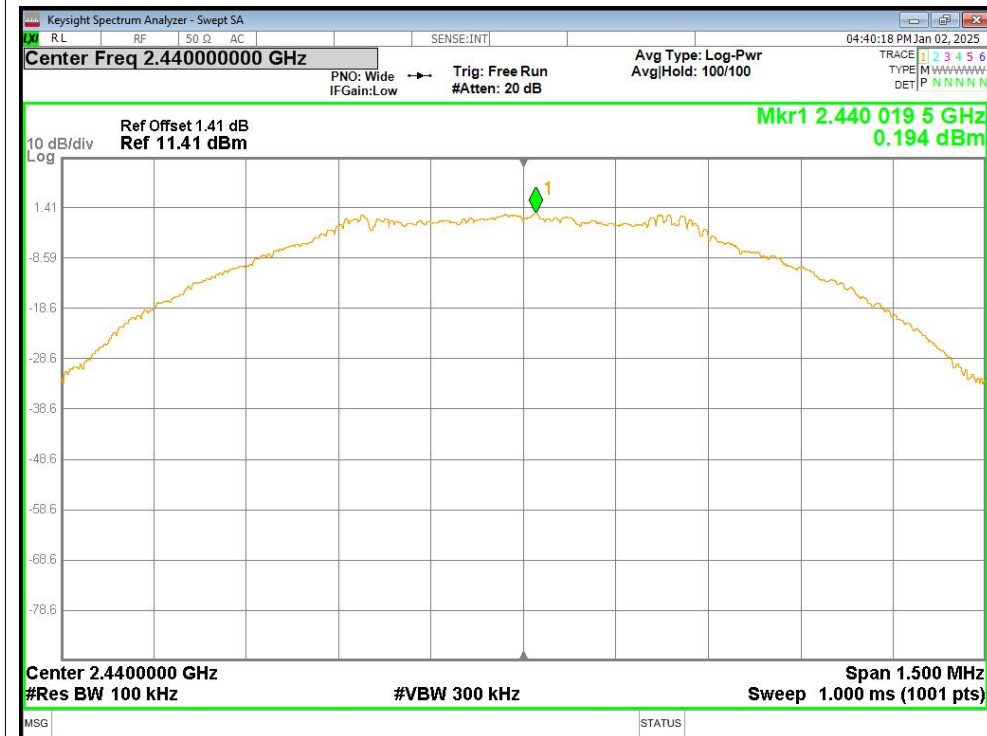
## Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



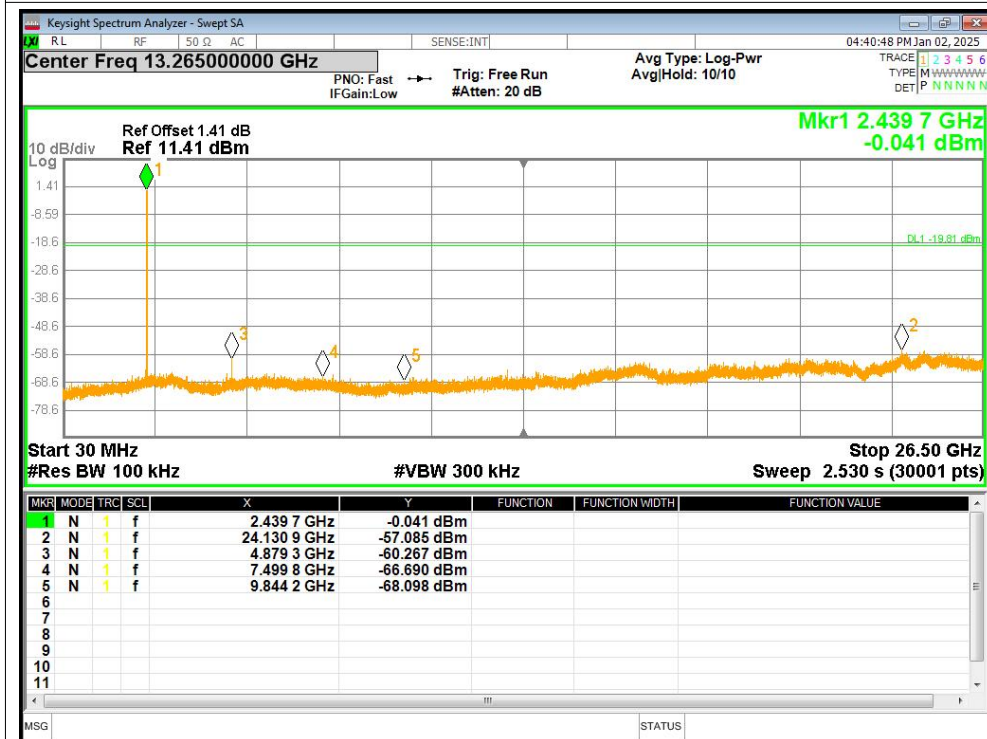
## Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission



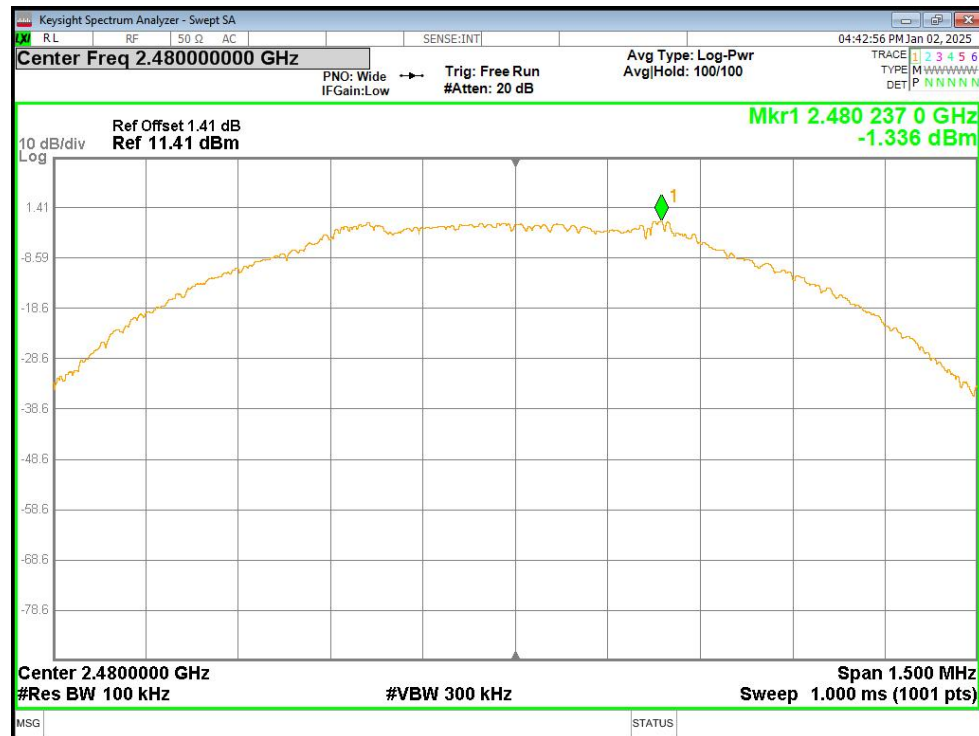
## Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Ref



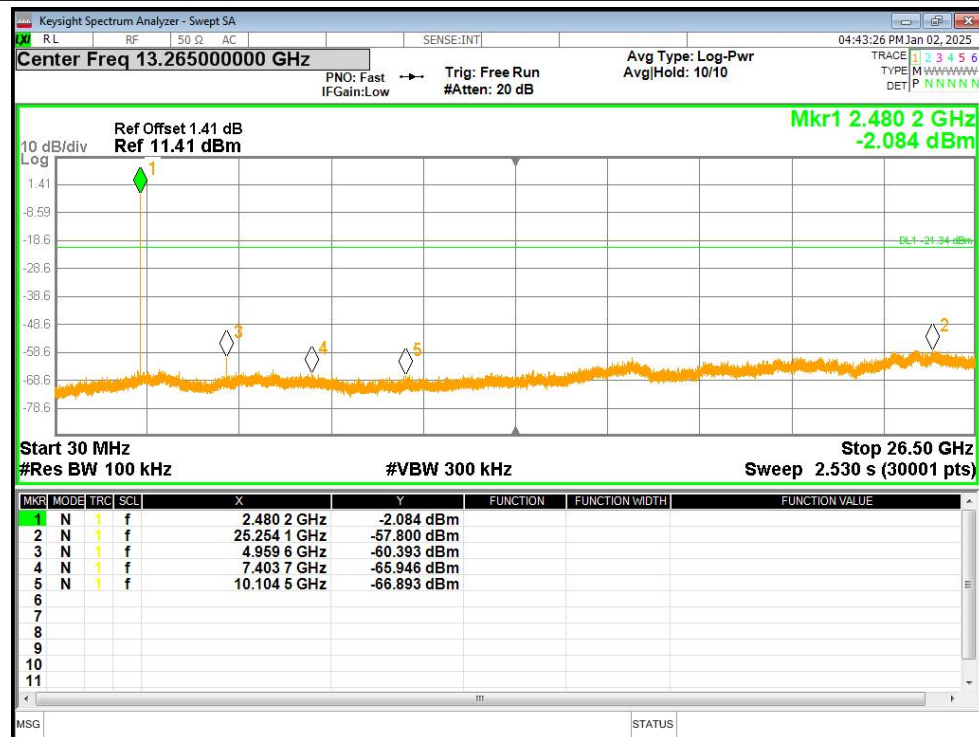
## Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Emission



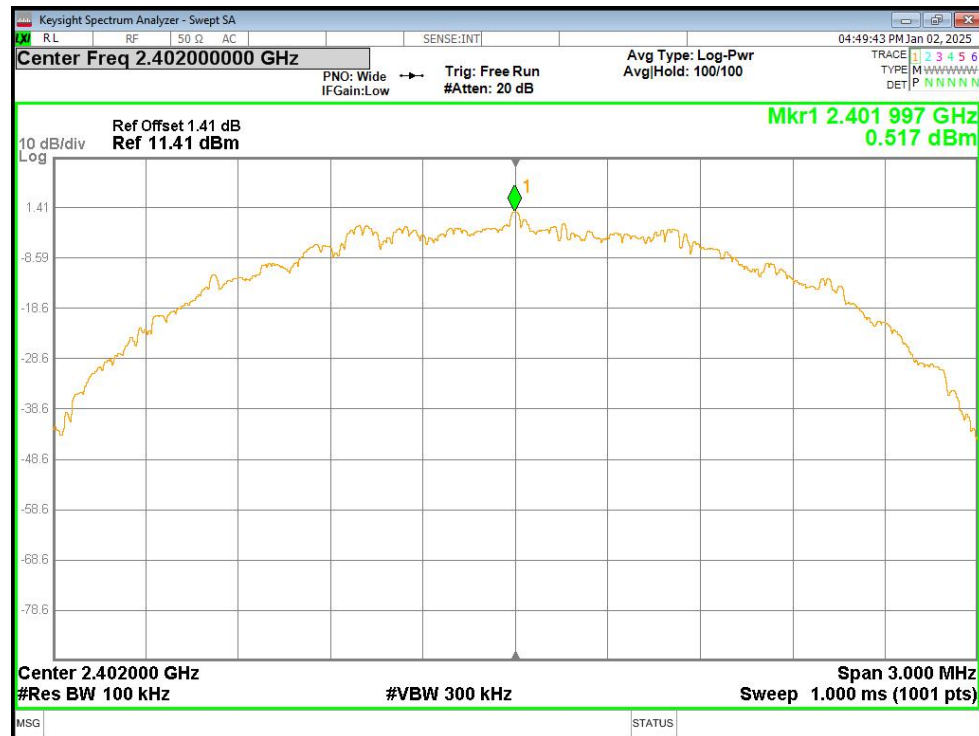
## Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref



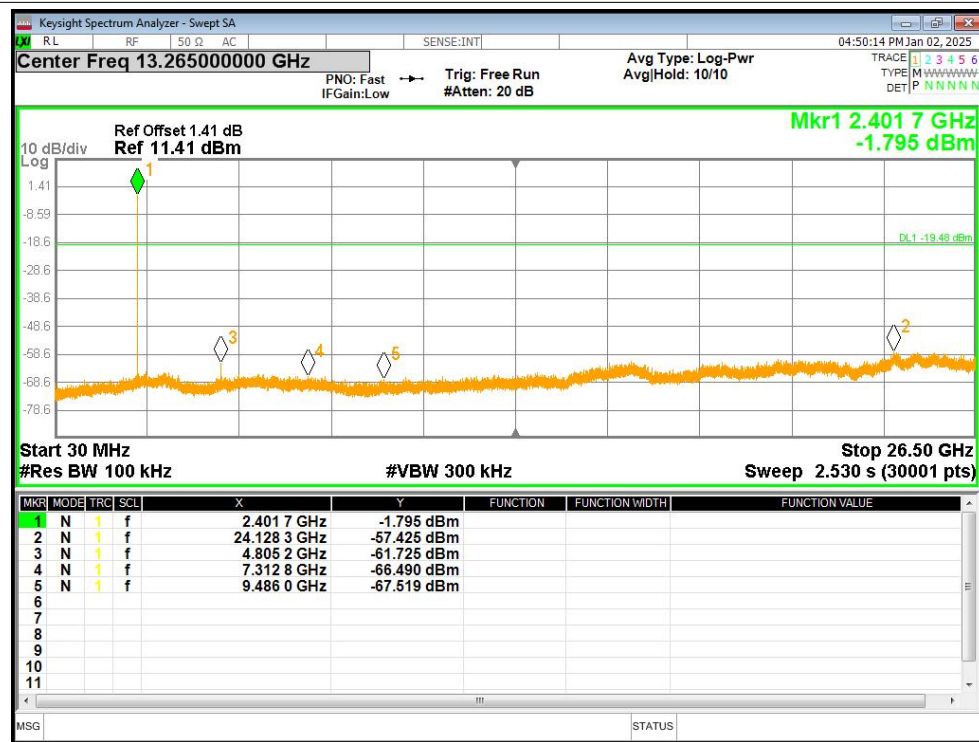
## Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission



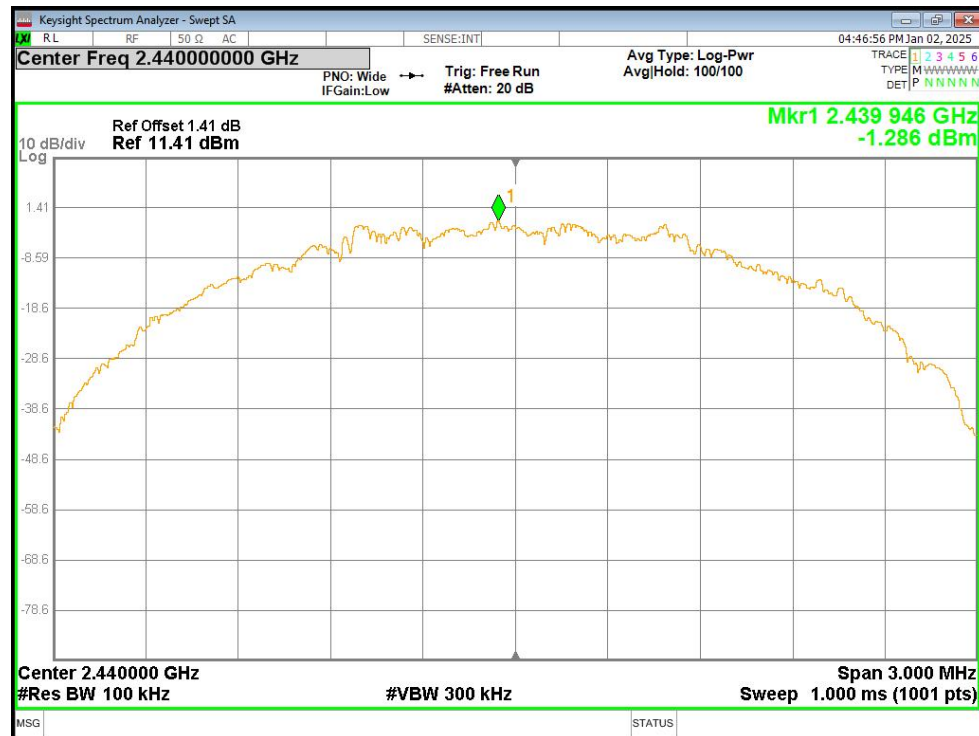
## Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Ref



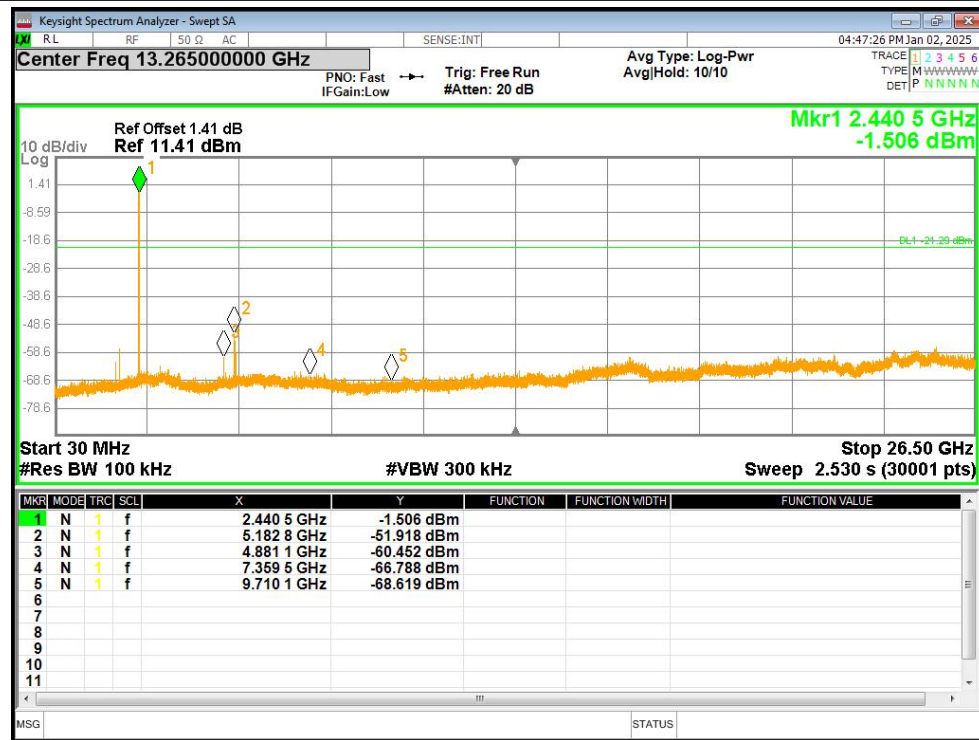
## Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Emission



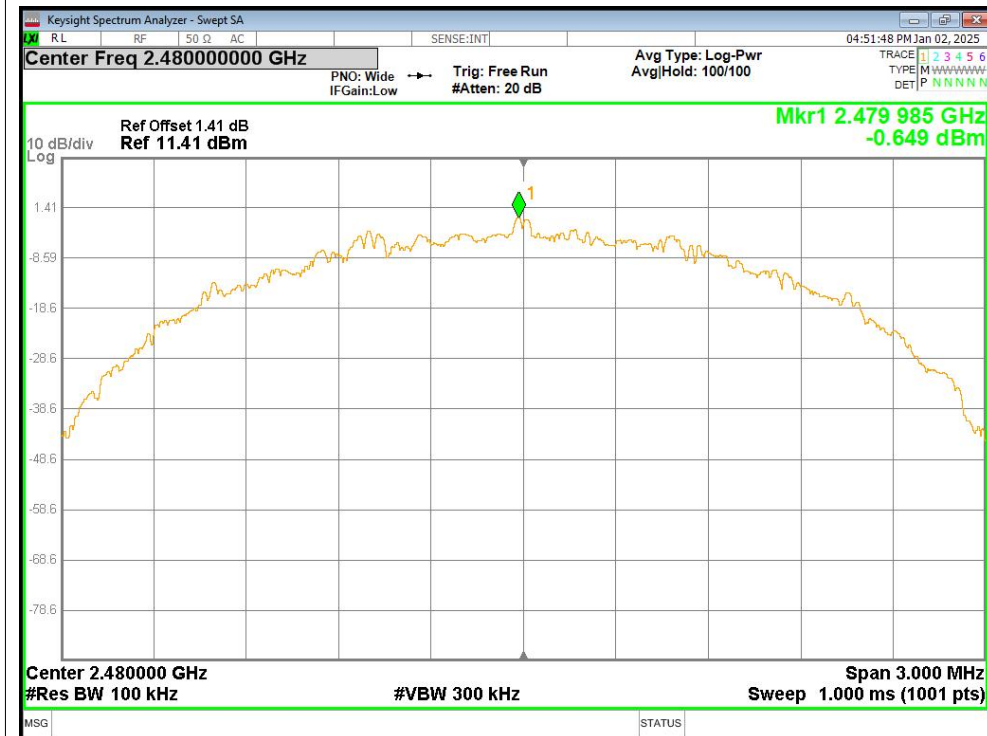
## Tx. Spurious NVNT BLE 2M 2440MHz Ant1 Ref



## Tx. Spurious NVNT BLE 2M 2440MHz Ant1 Emission



## Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Ref



## Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Emission

