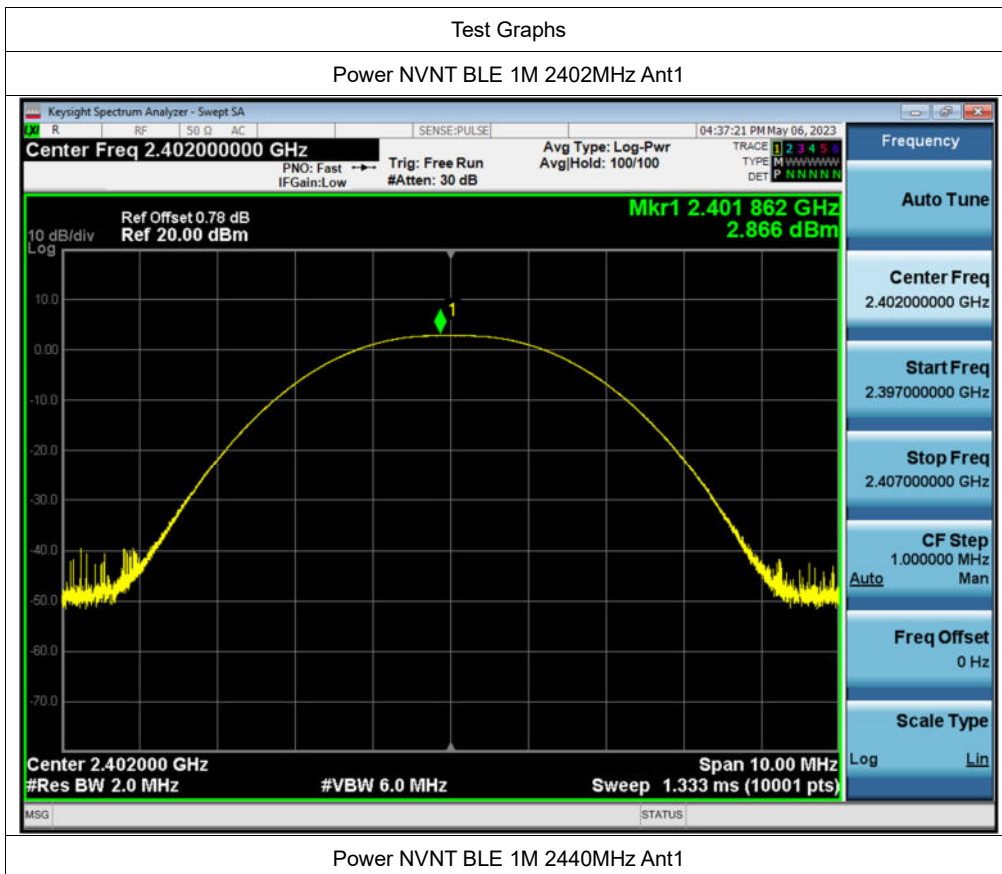


Appendix D

7.1 Maximum Conducted Output Power

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|-----------|--------|-----------------|---------|-----------------------|------------------|-------------------|-------------|---------|
| NVNT | BLE 1M | 2402 | Ant1 | 2.87 | 0 | 2.87 | 30 | Pass |
| NVNT | BLE 1M | 2440 | Ant1 | 2.56 | 0 | 2.56 | 30 | Pass |
| NVNT | BLE 1M | 2480 | Ant1 | 1.88 | 0 | 1.88 | 30 | Pass |



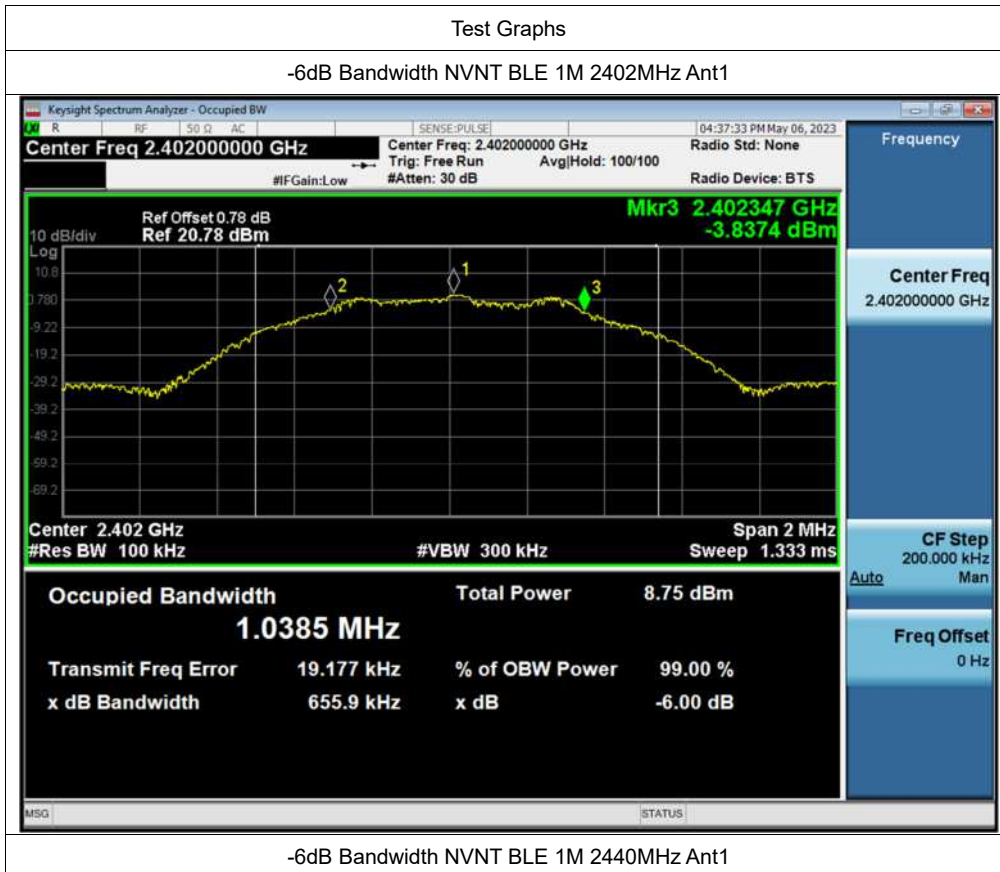


Power NVNT BLE 1M 2480MHz Ant1



7.2 6dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|--------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT | BLE 1M | 2402 | Ant1 | 0.656 | 0.5 | Pass |
| NVNT | BLE 1M | 2440 | Ant1 | 0.658 | 0.5 | Pass |
| NVNT | BLE 1M | 2480 | Ant1 | 0.649 | 0.5 | Pass |



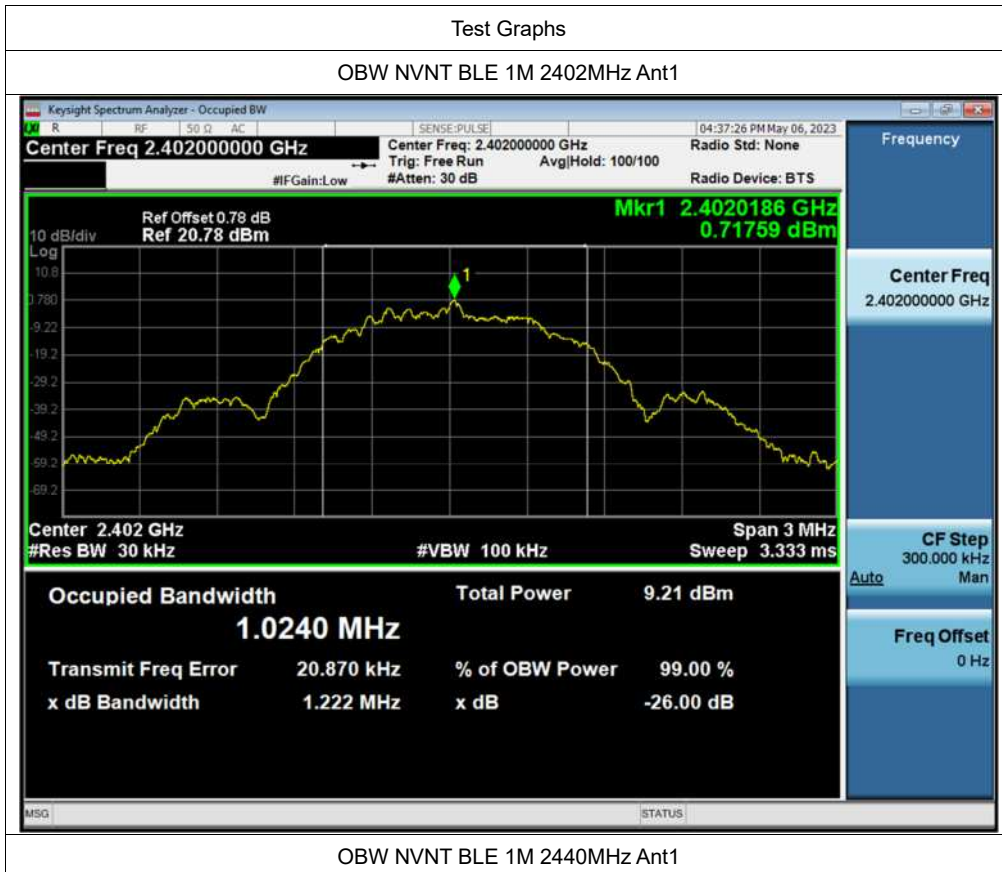


-6dB Bandwidth NVNT BLE 1M 2480MHz Ant1



Occupied Channel Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|--------|-----------------|---------|---------------|
| NVNT | BLE 1M | 2402 | Ant1 | 1.024 |
| NVNT | BLE 1M | 2440 | Ant1 | 1.035 |
| NVNT | BLE 1M | 2480 | Ant1 | 1.028 |



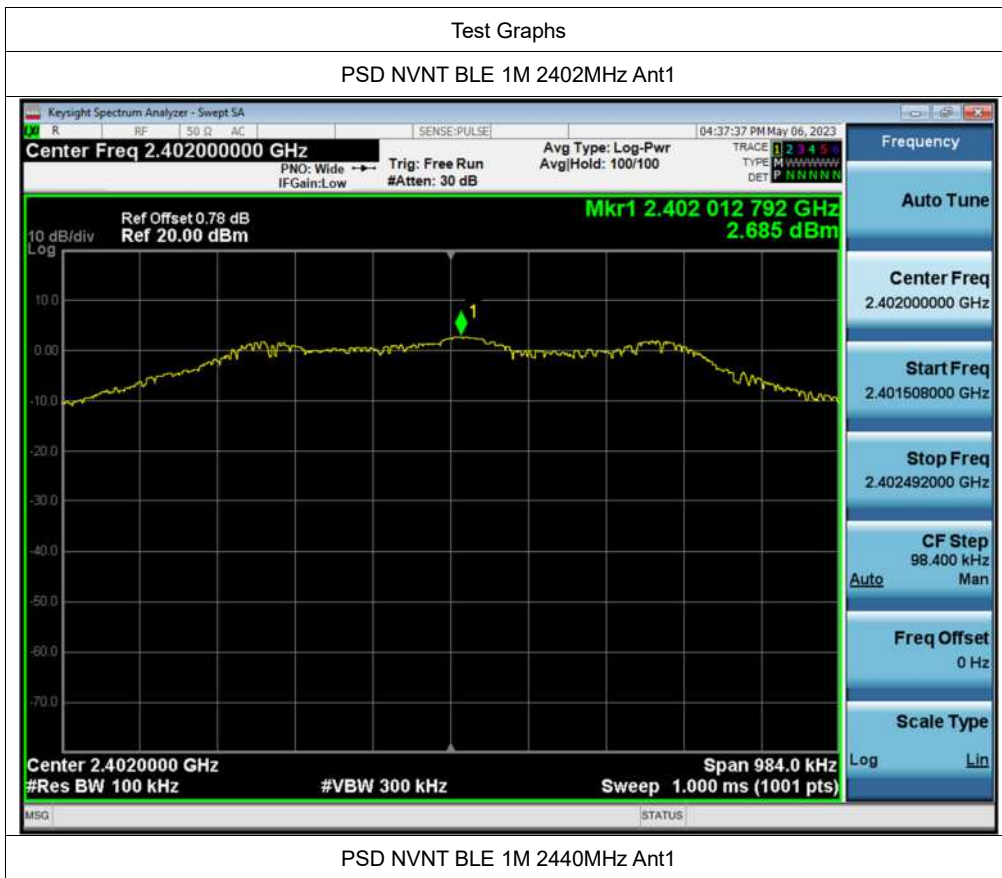


OBW NVNT BLE 1M 2480MHz Ant1



7.3 Maximum Power Spectral Density Level

| Condition | Mode | Frequency (MHz) | Antenna | Conducted PSD (dBm/3kHz) | Duty Factor (dB) | Total PSD (dBm/3kHz) | Limit (dBm/3kHz) | Verdict |
|-----------|-----------|-----------------|---------|--------------------------|------------------|----------------------|------------------|---------|
| NVNT | BLE 1M | 2402 | Ant1 | 2.69 | 0 | 2.69 | 8 | Pass |
| NVNT | BLE 1M | 2440 | Ant1 | 2.27 | 0 | 2.27 | 8 | Pass |
| NVNT | BLE 1M | 2480 | Ant1 | 1.68 | 0 | 1.68 | 8 | Pass |





PSD NVNT BLE 1M 2480MHz Ant1

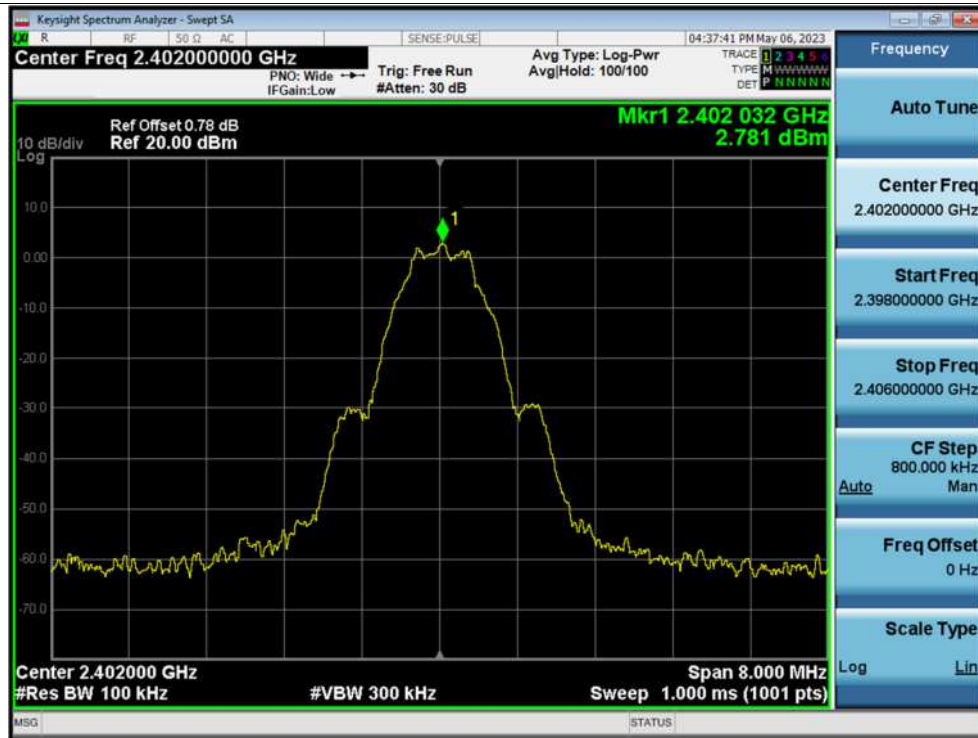


7.4 Band Edge

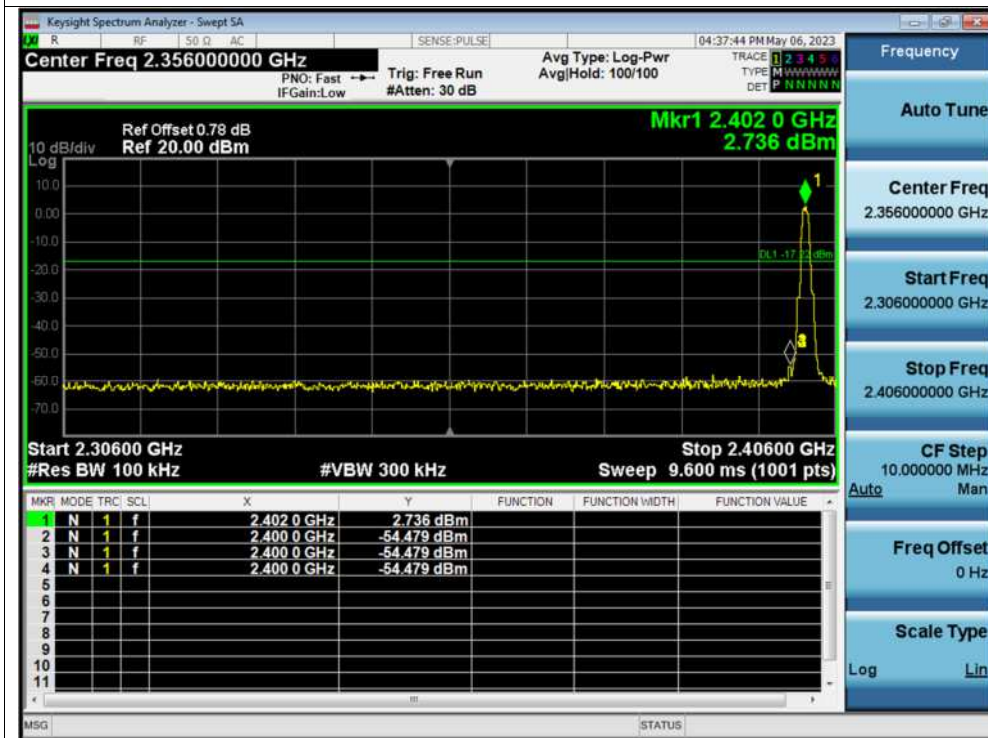
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|--------|-----------------|---------|-----------------|-------------|---------|
| NVNT | BLE 1M | 2402 | Ant1 | -57.25 | -20 | Pass |
| NVNT | BLE 1M | 2480 | Ant1 | -60.36 | -20 | Pass |

Test Graphs

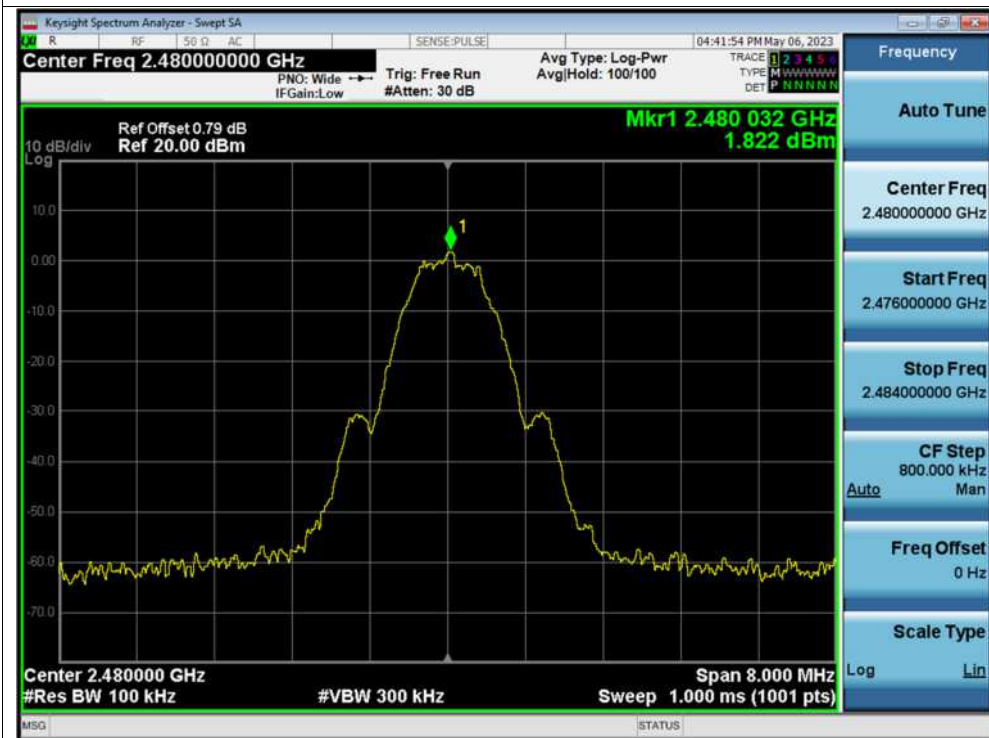
Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



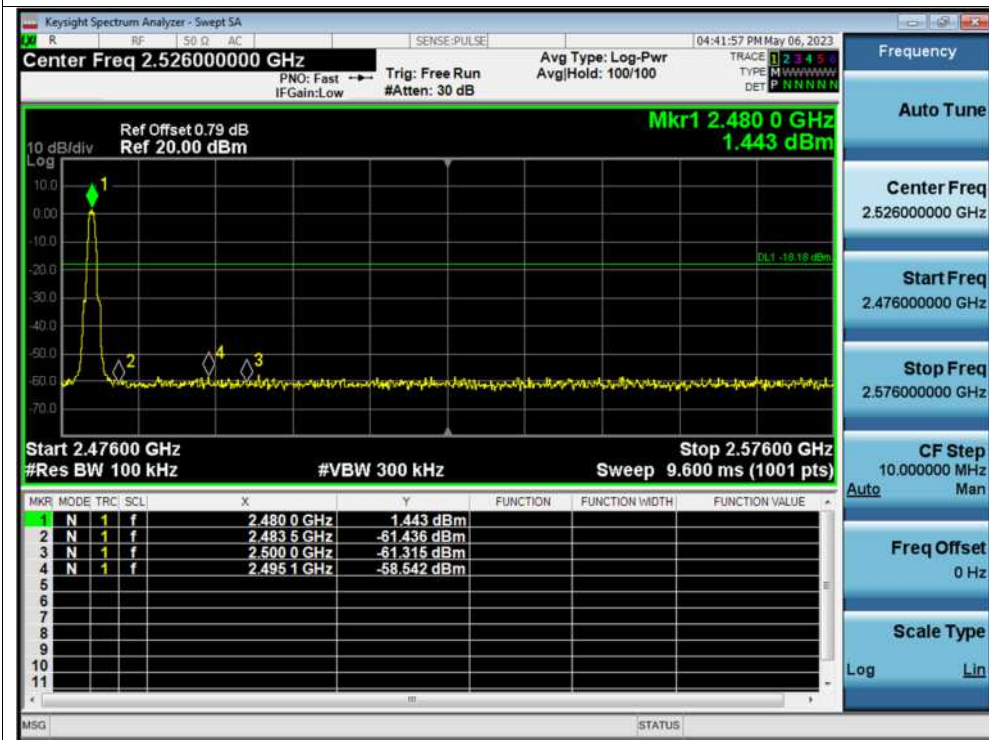
Band Edge NVNT BLE 1M 2402MHz Ant1 Emission



Band Edge NVNT BLE 1M 2480MHz Ant1 Ref



Band Edge NVNT BLE 1M 2480MHz Ant1 Emission





Conducted RF Spurious Emission

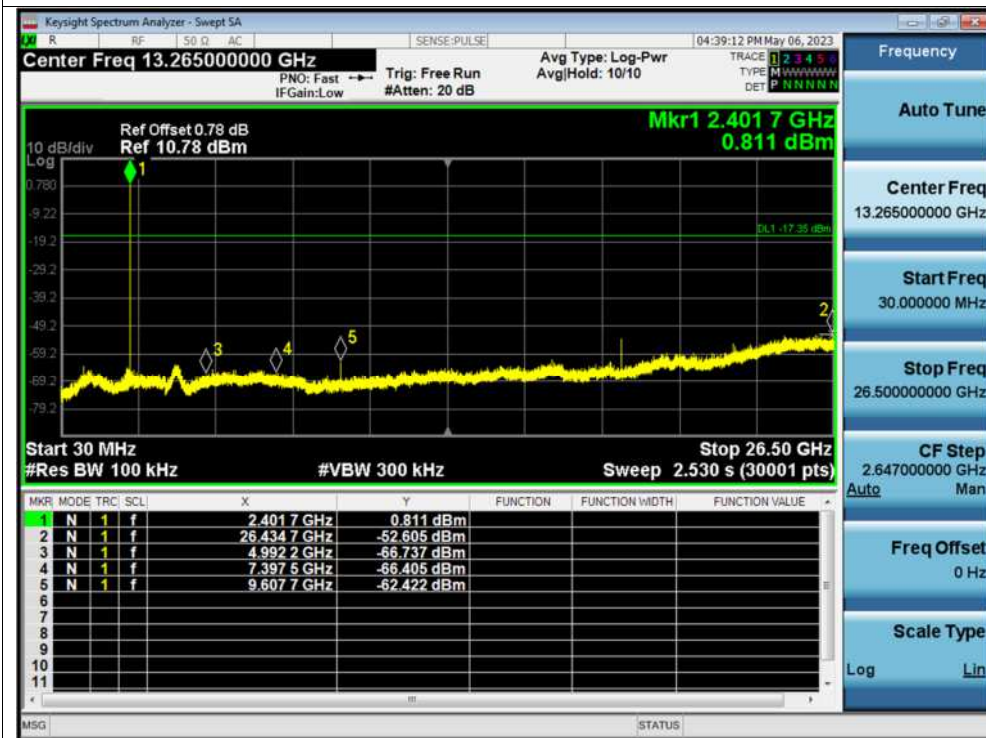
| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|--------|-----------------|---------|-----------------|-------------|---------|
| NVNT | BLE 1M | 2402 | Ant1 | -55.26 | -20 | Pass |
| NVNT | BLE 1M | 2440 | Ant1 | -54.06 | -20 | Pass |
| NVNT | BLE 1M | 2480 | Ant1 | -54.03 | -20 | Pass |

Test Graphs

Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



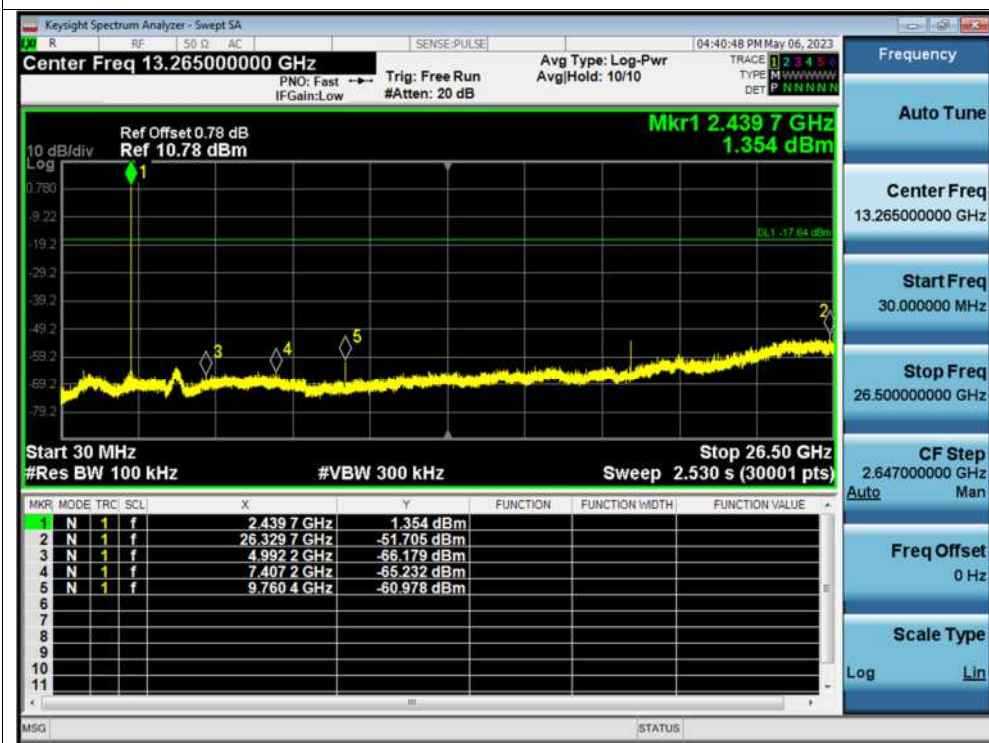
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission



Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Ref



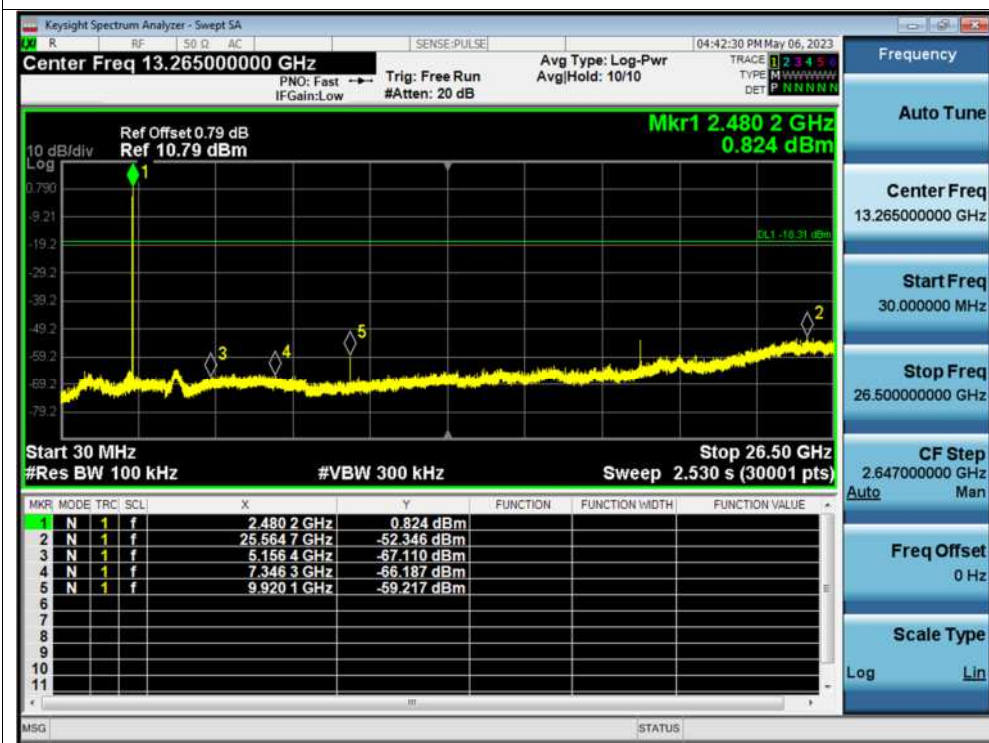
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Emission



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref

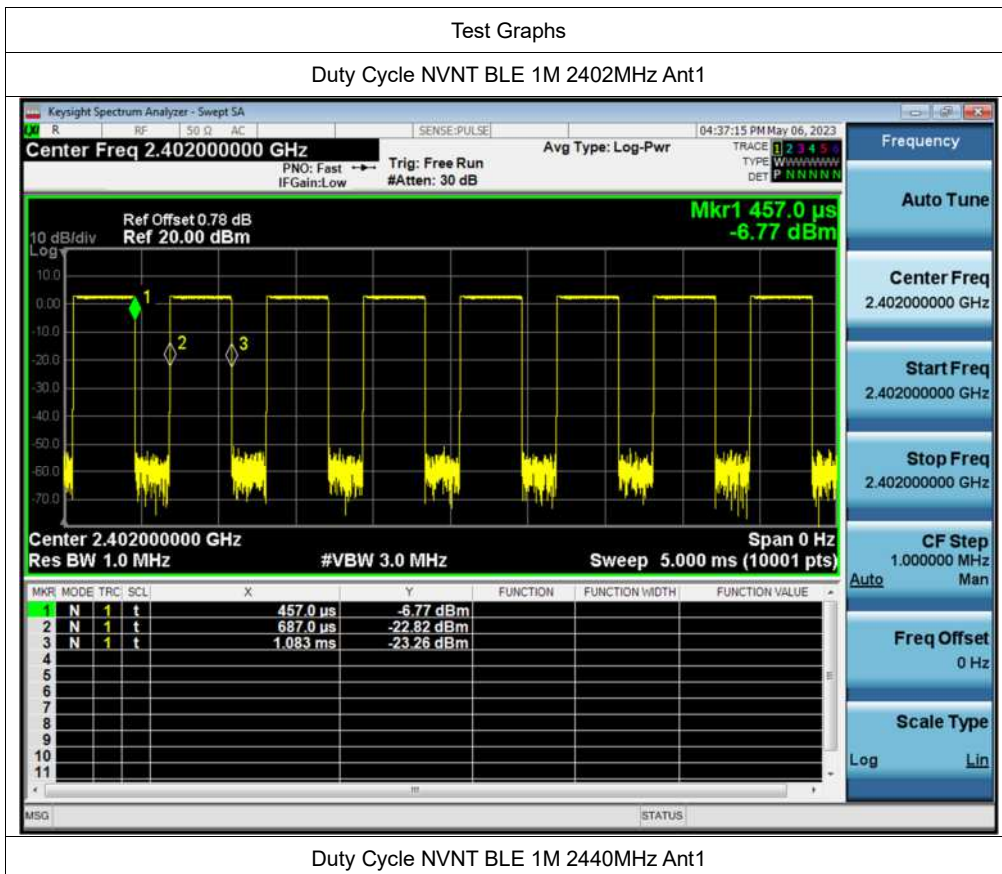


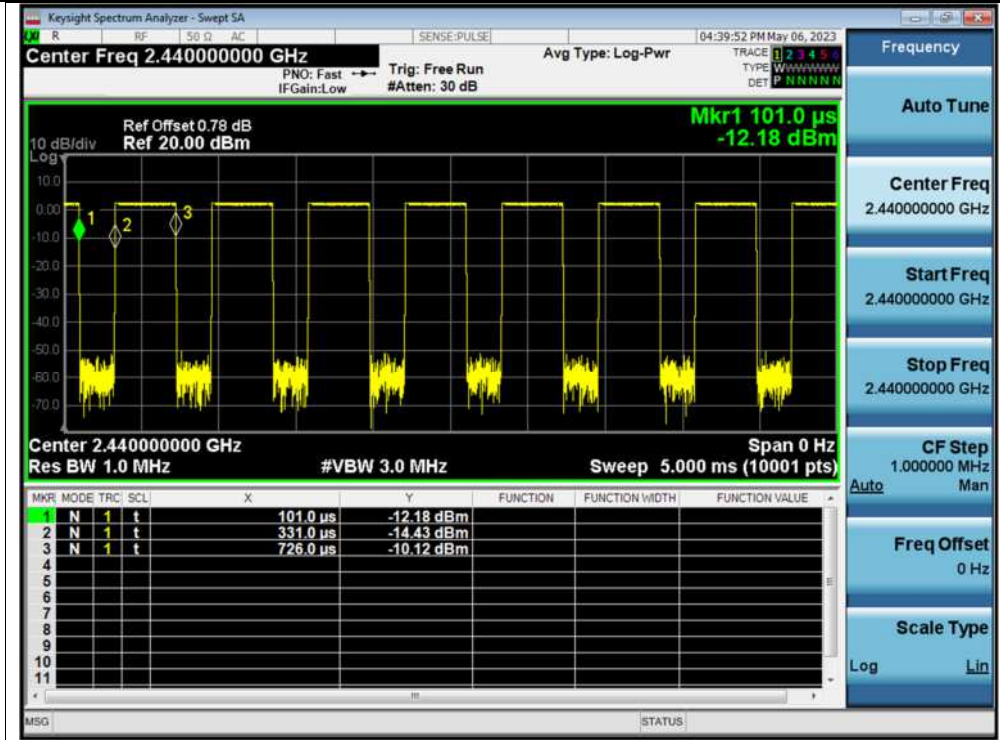
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission



7.5 Duty Cycle

| Condition | Mode | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|-----------|--------|-----------------|---------|----------------|------------------------|-----------|
| NVNT | BLE 1M | 2402 | Ant1 | 63.23 | 1.99 | 2.53 |
| NVNT | BLE 1M | 2440 | Ant1 | 63.2 | 1.99 | 2.53 |
| NVNT | BLE 1M | 2480 | Ant1 | 63.2 | 1.99 | 2.53 |





Duty Cycle NVNT BLE 1M 2480MHz Ant1

