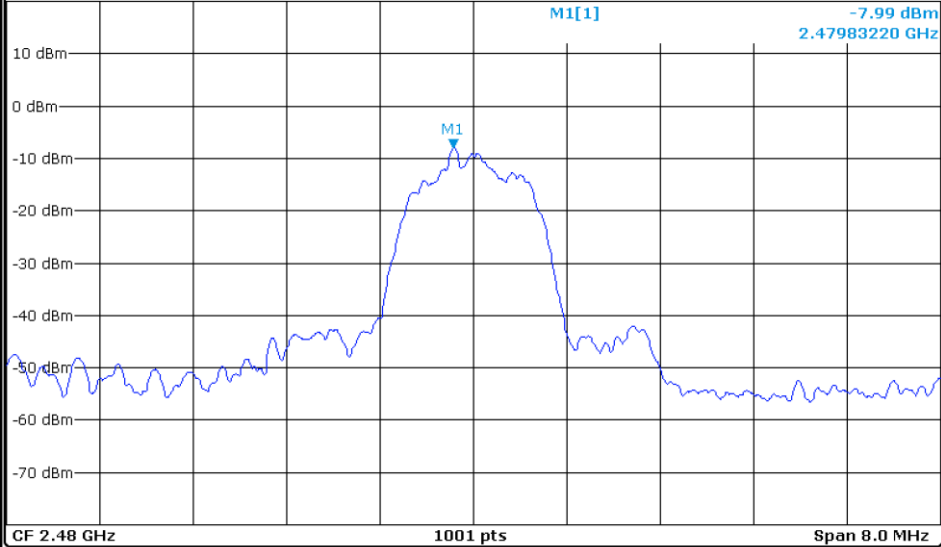


### Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref

Spectrum

Ref Level 20.00 dBm Offset 3.08 dB RBW 100 kHz  
Att 35 dB SWT 18.9  $\mu$ s VBW 300 kHz Mode Auto FFT  
SGL Count 100/100

1Pk Max

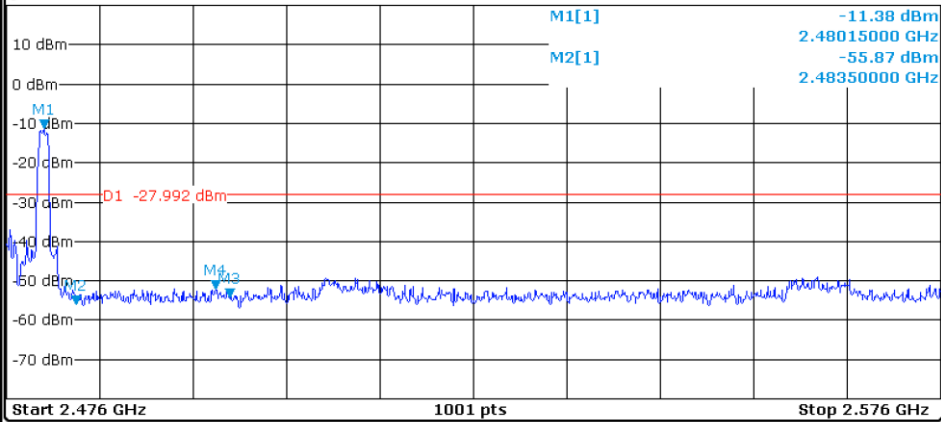


### Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission

Spectrum

Ref Level 20.00 dBm Offset 3.08 dB RBW 100 kHz  
Att 35 dB SWT 227.5  $\mu$ s VBW 300 kHz Mode Auto FFT  
SGL Count 100/100

1Pk Max

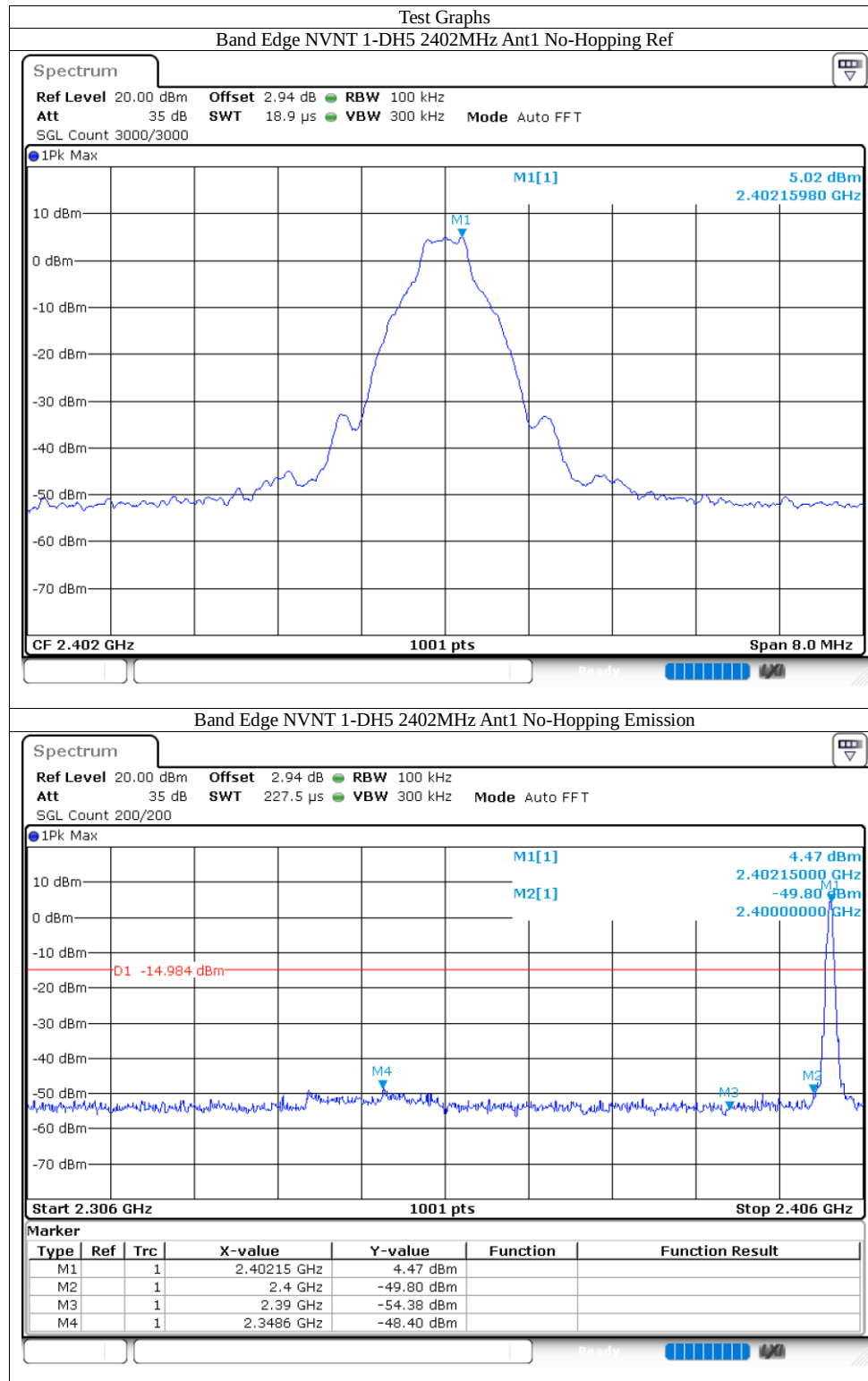


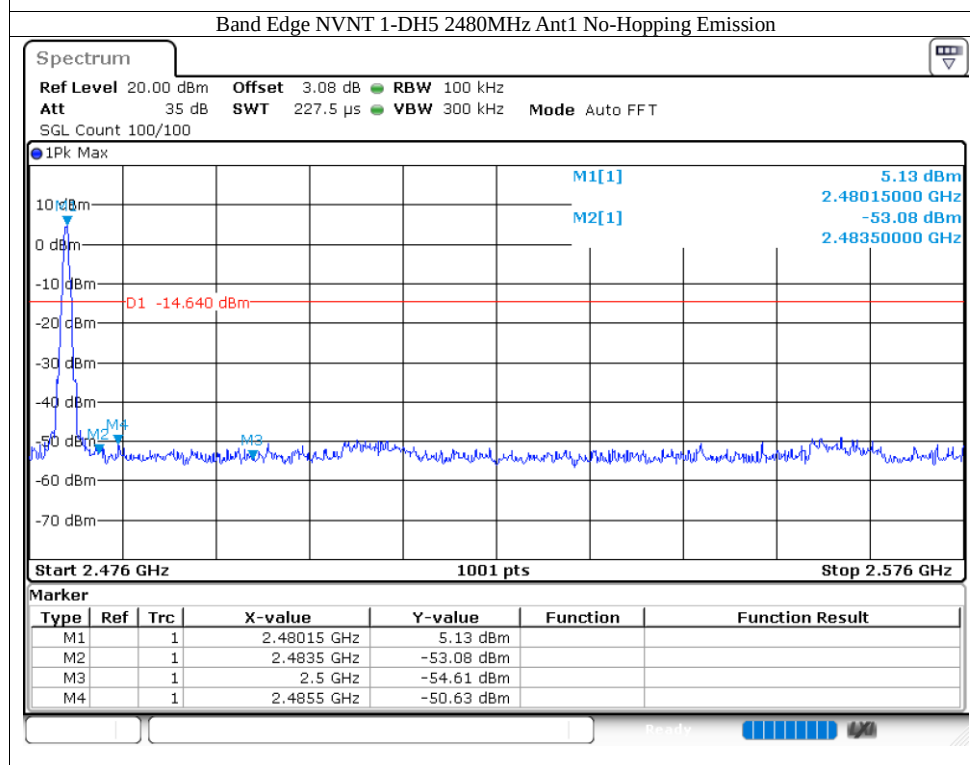
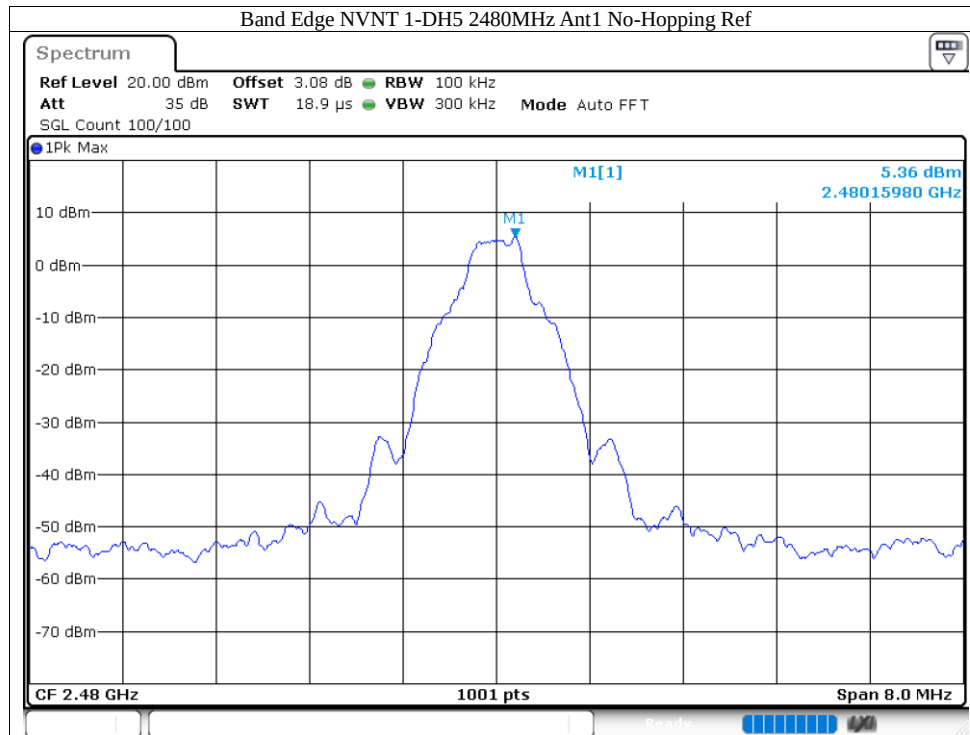
Marker

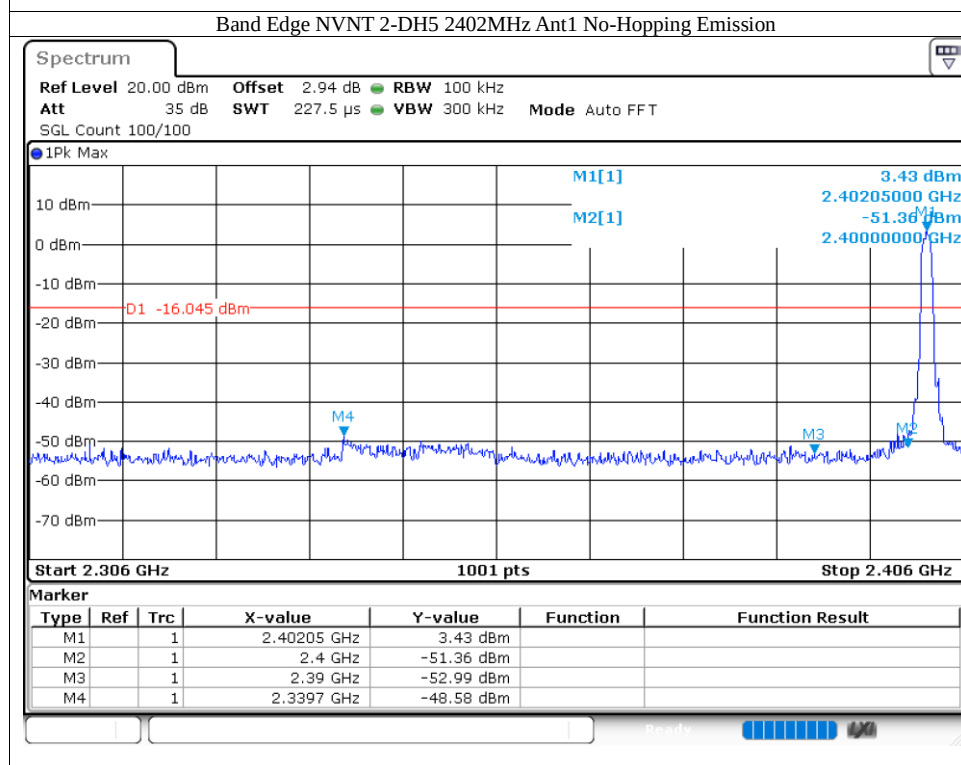
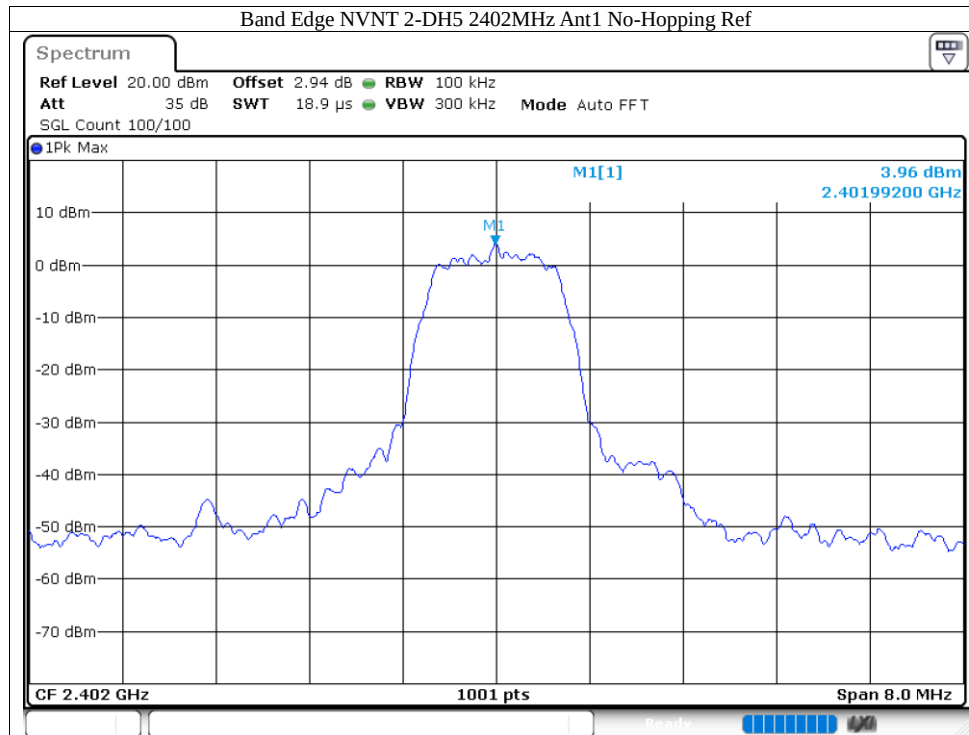
| Type | Ref | Trc | X-value     | Y-value    | Function | Function Result |
|------|-----|-----|-------------|------------|----------|-----------------|
| M1   | 1   |     | 2.48015 GHz | -11.38 dBm |          |                 |
| M2   | 1   |     | 2.4835 GHz  | -55.87 dBm |          |                 |
| M3   | 1   |     | 2.5 GHz     | -54.29 dBm |          |                 |
| M4   | 1   |     | 2.4984 GHz  | -52.05 dBm |          |                 |

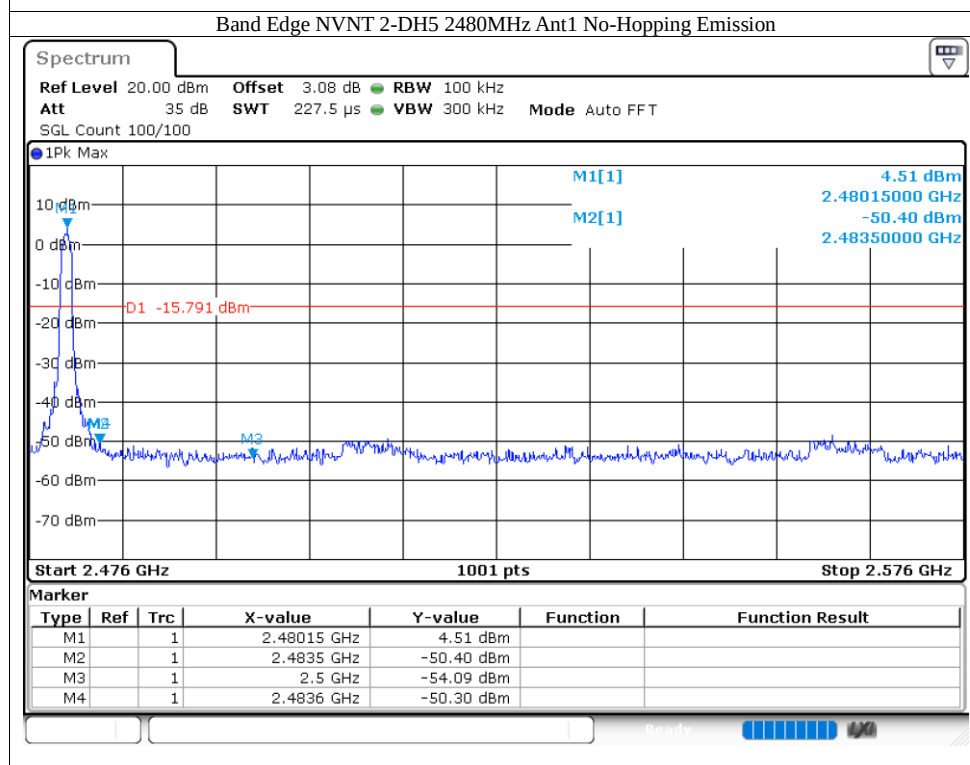
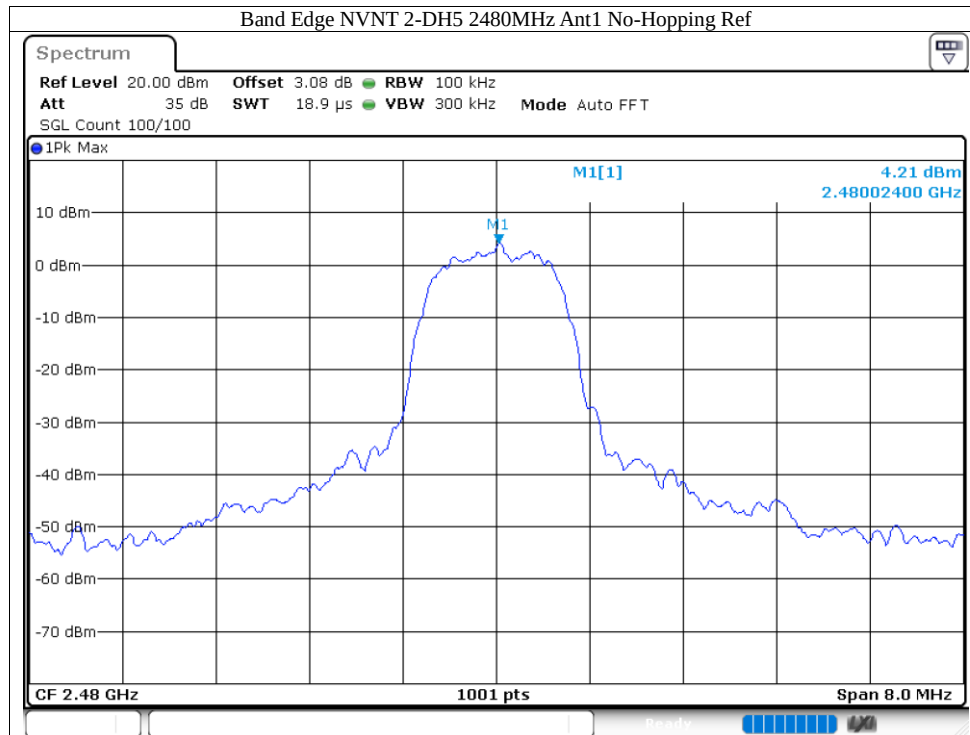
## Secondary Bluetooth

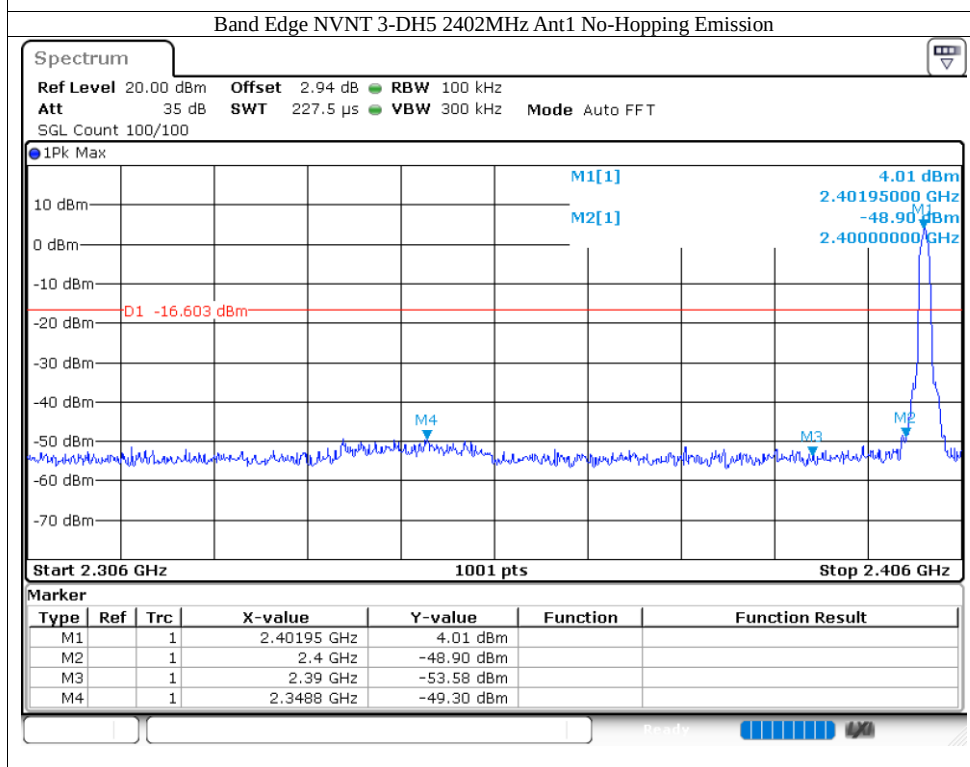
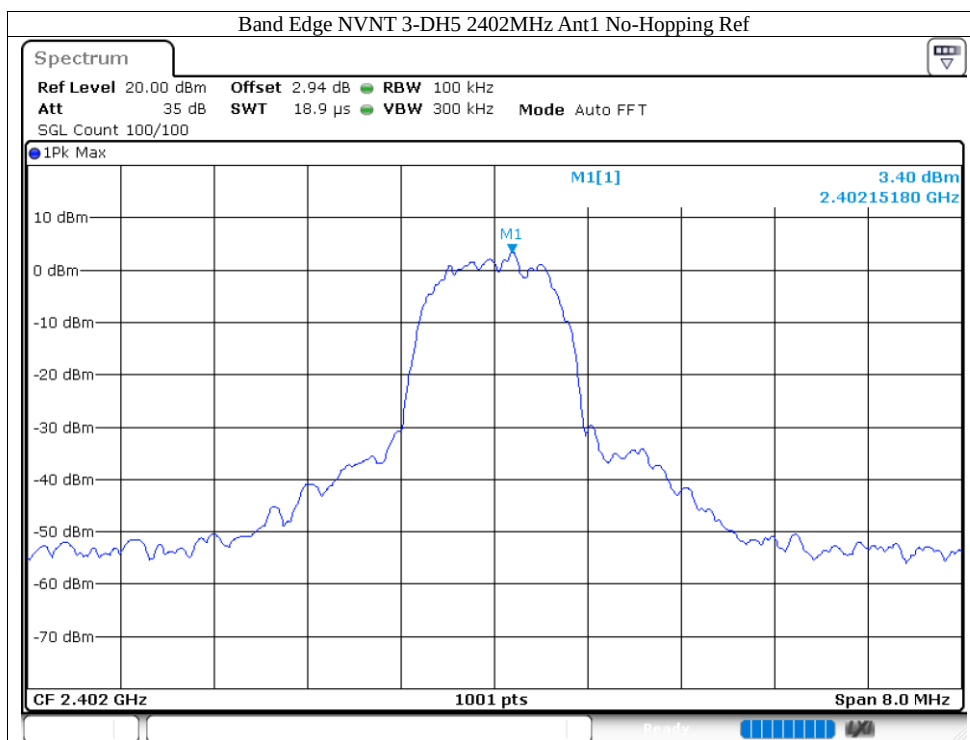
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH5 | 2402            | Ant1    | No-Hopping   | -53.42          | -20         | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | No-Hopping   | -55.98          | -20         | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | No-Hopping   | -52.54          | -20         | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | No-Hopping   | -54.51          | -20         | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | No-Hopping   | -52.7           | -20         | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | No-Hopping   | -54.54          | -20         | Pass    |

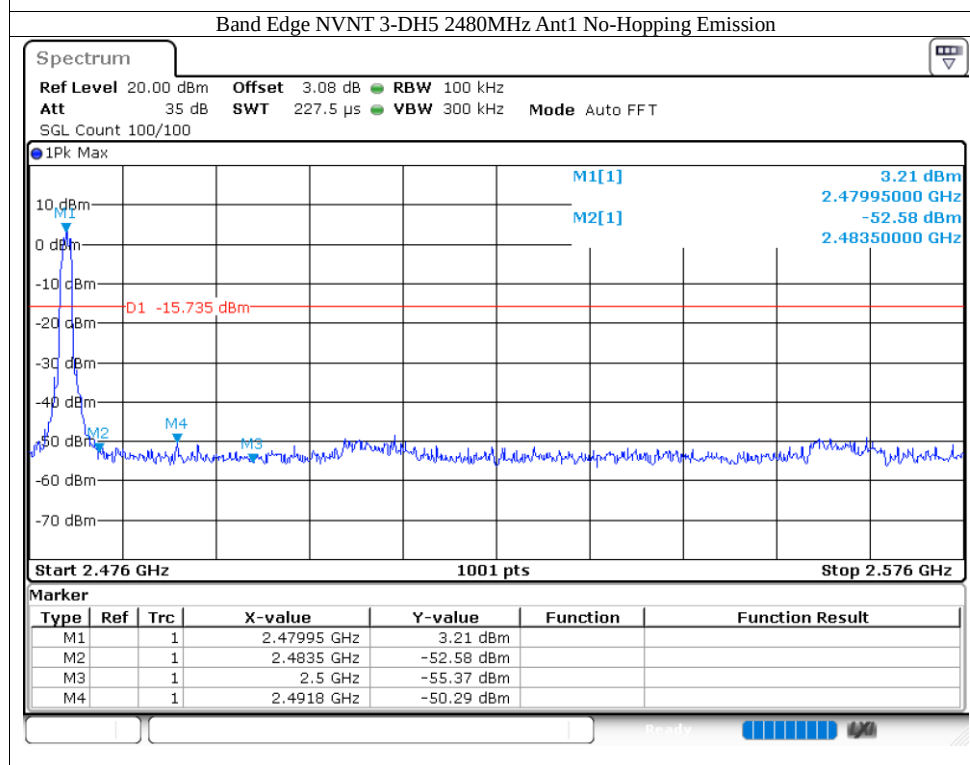
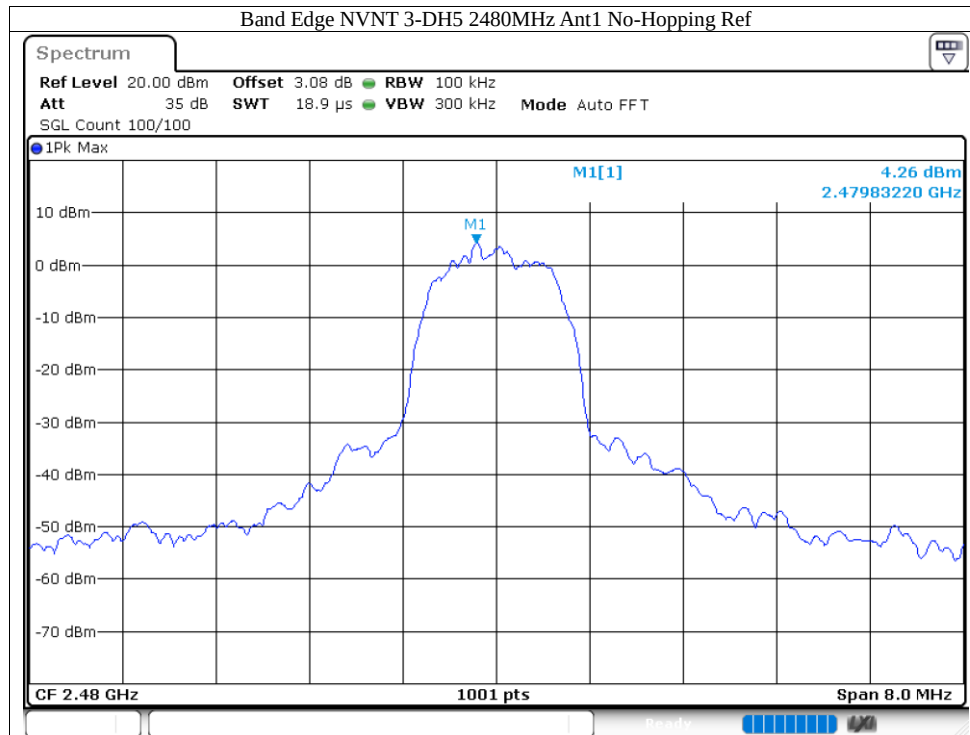












## 8.8 BAND EDGE(HOPPING)

Main Bluetooth

| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH5 | 2402            | Ant1    | Hopping      | -41.31          | -20         | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | Hopping      | -41.76          | -20         | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | Hopping      | -42.77          | -20         | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | Hopping      | -42.24          | -20         | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | Hopping      | -42.11          | -20         | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | Hopping      | -42.33          | -20         | Pass    |

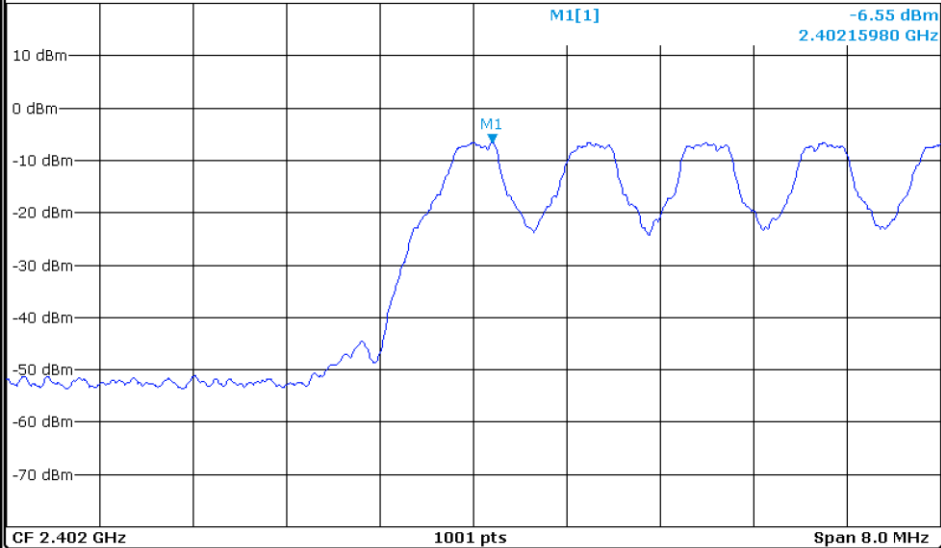
### Test Graphs

#### Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref

Spectrum

Ref Level 20.00 dBm Offset 2.94 dB RBW 100 kHz  
Att 35 dB SWT 18.9  $\mu$ s VBW 300 kHz Mode Auto FFT  
SGL Count 8000/8000

1Pk Max

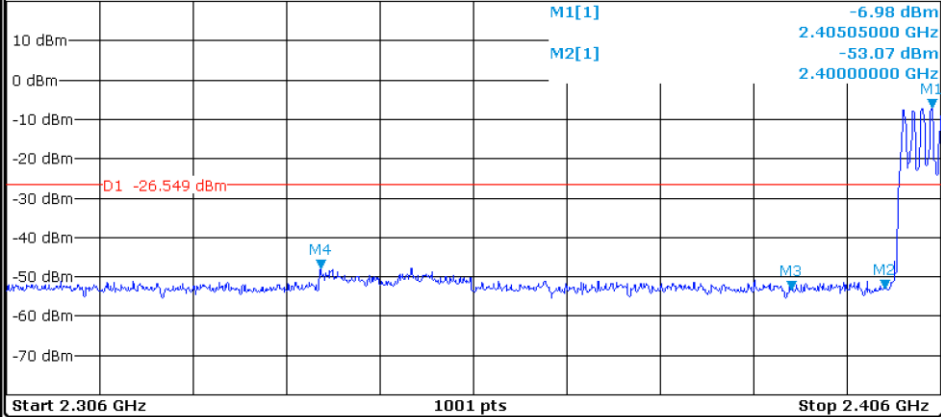


#### Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission

Spectrum

Ref Level 20.00 dBm Offset 2.94 dB RBW 100 kHz  
Att 35 dB SWT 227.5  $\mu$ s VBW 300 kHz Mode Auto FFT  
SGL Count 1200/1200

1Pk Max



Marker

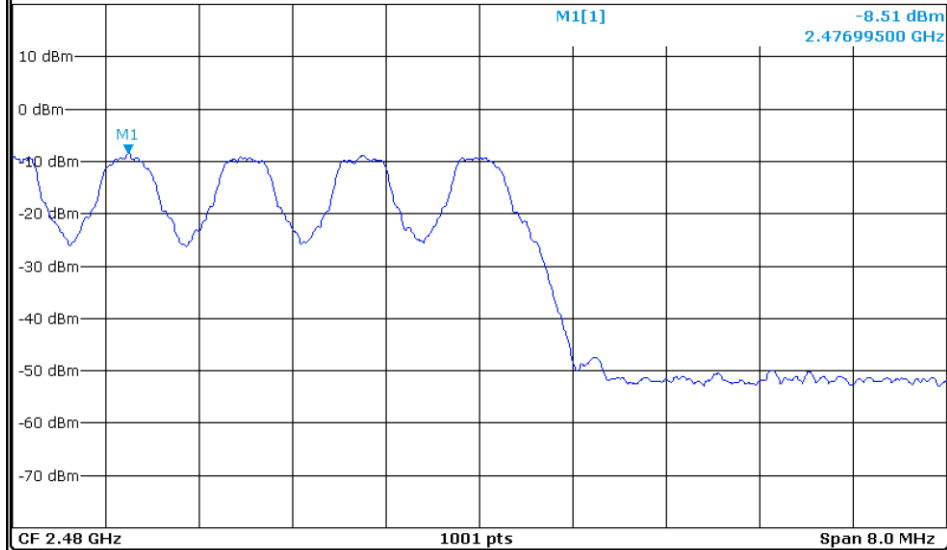
| Type | Ref | Trc | X-value     | Y-value    | Function | Function Result |
|------|-----|-----|-------------|------------|----------|-----------------|
| M1   |     | 1   | 2.40505 GHz | -6.98 dBm  |          |                 |
| M2   |     | 1   | 2.4 GHz     | -53.07 dBm |          |                 |
| M3   |     | 1   | 2.39 GHz    | -53.22 dBm |          |                 |
| M4   |     | 1   | 2.3397 GHz  | -47.87 dBm |          |                 |

### Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref

Spectrum

Ref Level 20.00 dBm Offset 3.08 dB RBW 100 kHz  
Att 35 dB SWT 18.9  $\mu$ s VBW 300 kHz Mode Auto FFT  
SGL Count 8000/8000

1Pk Max

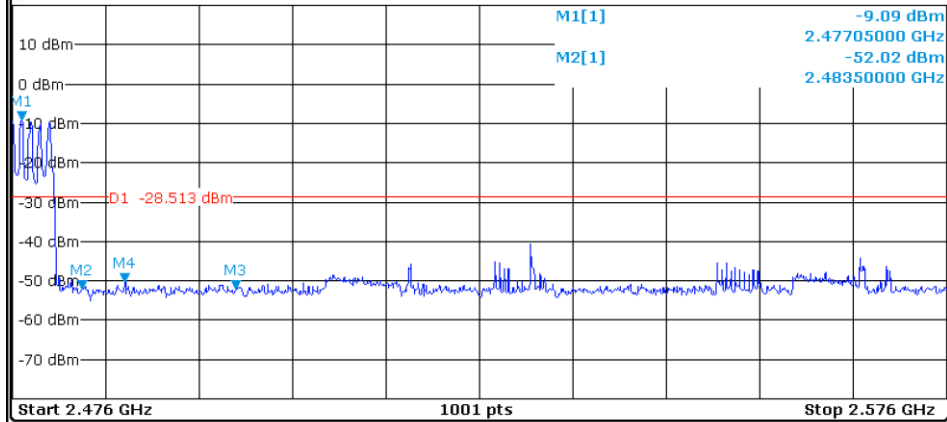


### Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission

Spectrum

Ref Level 20.00 dBm Offset 3.08 dB RBW 100 kHz  
Att 35 dB SWT 227.5  $\mu$ s VBW 300 kHz Mode Auto FFT  
SGL Count 1200/1200

1Pk Max



Marker

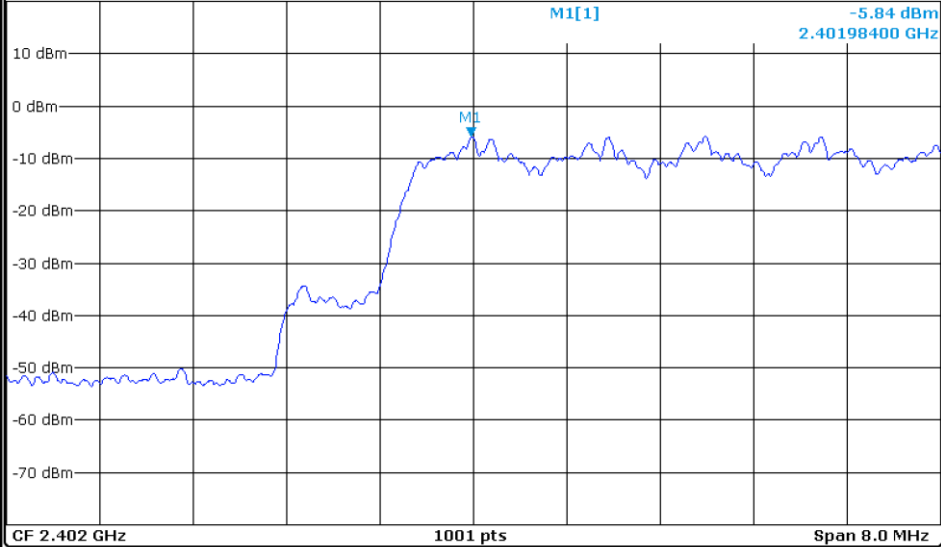
| Type | Ref | Trc | X-value     | Y-value    | Function | Function Result |
|------|-----|-----|-------------|------------|----------|-----------------|
| M1   |     | 1   | 2.47705 GHz | -9.09 dBm  |          |                 |
| M2   |     | 1   | 2.4835 GHz  | -52.02 dBm |          |                 |
| M3   |     | 1   | 2.5 GHz     | -51.99 dBm |          |                 |
| M4   |     | 1   | 2.4881 GHz  | -50.28 dBm |          |                 |

### Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref

Spectrum

Ref Level 20.00 dBm Offset 2.94 dB RBW 100 kHz  
Att 35 dB SWT 18.9  $\mu$ s VBW 300 kHz Mode Auto FFT  
SGL Count 10000/10000

1Pk Max

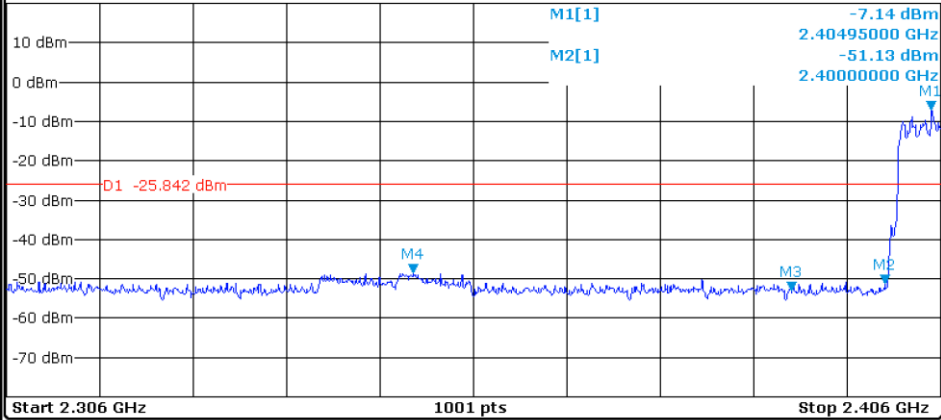


### Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission

Spectrum

Ref Level 20.00 dBm Offset 2.94 dB RBW 100 kHz  
Att 35 dB SWT 227.5  $\mu$ s VBW 300 kHz Mode Auto FFT  
SGL Count 1200/1200

1Pk Max



Marker

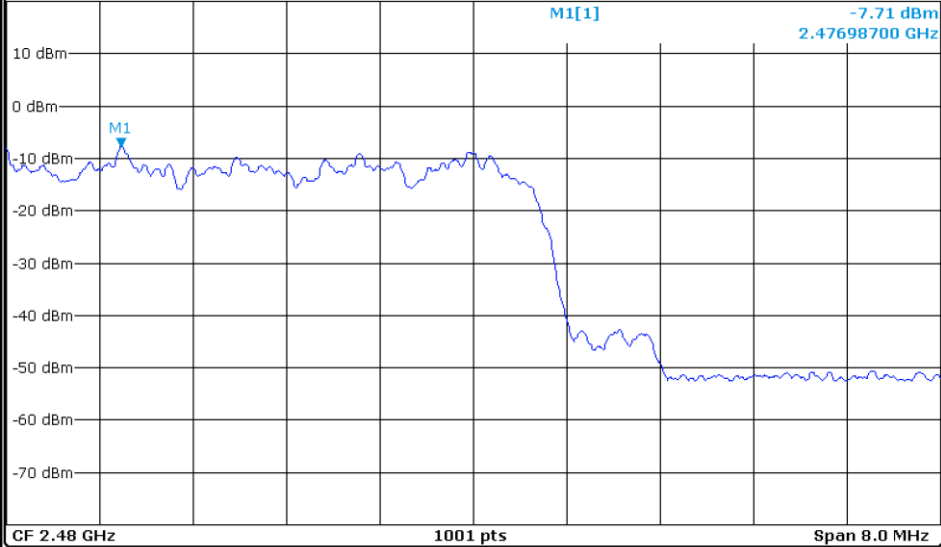
| Type | Ref | Trc | X-value     | Y-value    | Function | Function Result |
|------|-----|-----|-------------|------------|----------|-----------------|
| M1   |     | 1   | 2.40495 GHz | -7.14 dBm  |          |                 |
| M2   |     | 1   | 2.4 GHz     | -51.13 dBm |          |                 |
| M3   |     | 1   | 2.39 GHz    | -53.02 dBm |          |                 |
| M4   |     | 1   | 2.3496 GHz  | -48.62 dBm |          |                 |

### Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref

Spectrum

Ref Level 20.00 dBm Offset 3.08 dB RBW 100 kHz  
Att 35 dB SWT 18.9  $\mu$ s VBW 300 kHz Mode Auto FFT  
SGL Count 10000/10000

1Pk Max

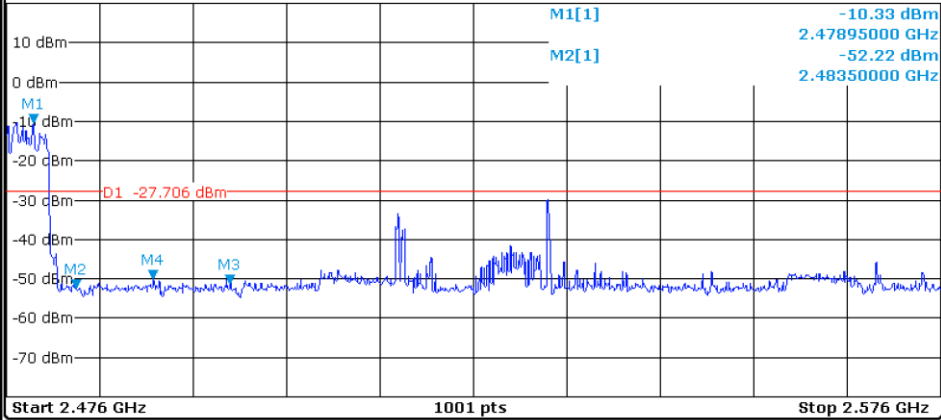


### Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission

Spectrum

Ref Level 20.00 dBm Offset 3.08 dB RBW 100 kHz  
Att 35 dB SWT 227.5  $\mu$ s VBW 300 kHz Mode Auto FFT  
SGL Count 1200/1200

1Pk Max



Marker

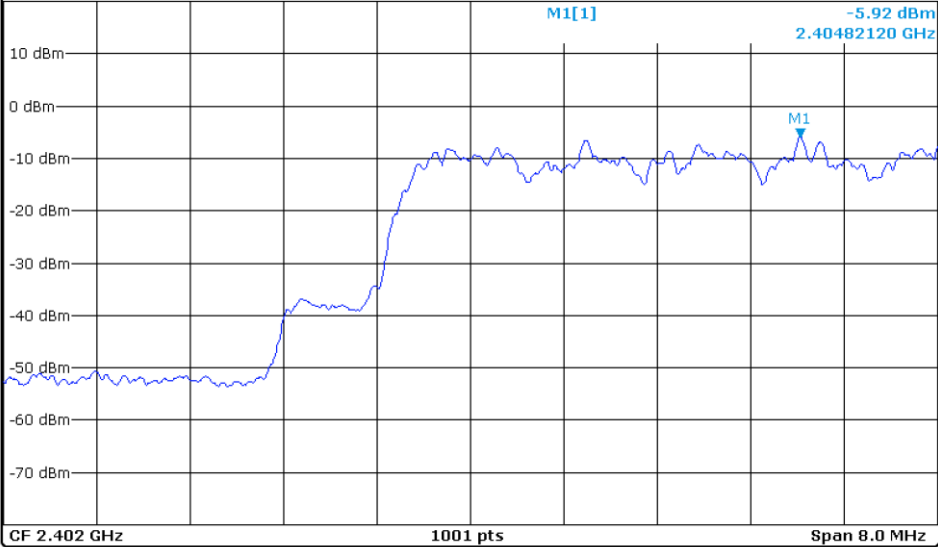
| Type | Ref | Trc | X-value     | Y-value    | Function | Function Result |
|------|-----|-----|-------------|------------|----------|-----------------|
| M1   |     | 1   | 2.47895 GHz | -10.33 dBm |          |                 |
| M2   |     | 1   | 2.4835 GHz  | -52.22 dBm |          |                 |
| M3   |     | 1   | 2.5 GHz     | -51.19 dBm |          |                 |
| M4   |     | 1   | 2.4917 GHz  | -49.96 dBm |          |                 |

### Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref

Spectrum

Ref Level 20.00 dBm Offset 2.94 dB RBW 100 kHz  
Att 35 dB SWT 18.9  $\mu$ s VBW 300 kHz Mode Auto FFT  
SGL Count 8000/8000

1Pk Max

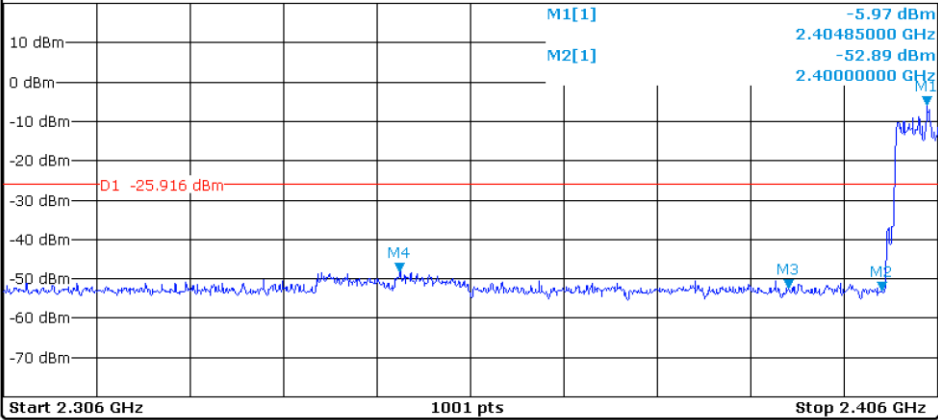


### Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission

Spectrum

Ref Level 20.00 dBm Offset 2.94 dB RBW 100 kHz  
Att 35 dB SWT 227.5  $\mu$ s VBW 300 kHz Mode Auto FFT  
SGL Count 1200/1200

1Pk Max



Marker

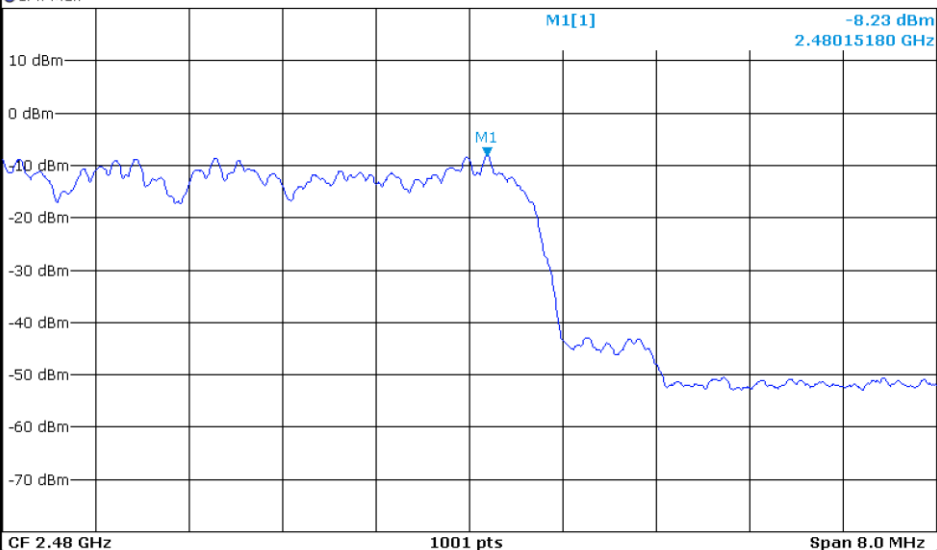
| Type | Ref | Trc | X-value     | Y-value    | Function | Function Result |
|------|-----|-----|-------------|------------|----------|-----------------|
| M1   |     | 1   | 2.40485 GHz | -5.97 dBm  |          |                 |
| M2   |     | 1   | 2.4 GHz     | -52.89 dBm |          |                 |
| M3   |     | 1   | 2.39 GHz    | -52.46 dBm |          |                 |
| M4   |     | 1   | 2.3484 GHz  | -48.04 dBm |          |                 |

### Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref

Spectrum

Ref Level 20.00 dBm Offset 3.08 dB RBW 100 kHz  
Att 35 dB SWT 18.9  $\mu$ s VBW 300 kHz Mode Auto FFT  
SGL Count 8000/8000

1Pk Max

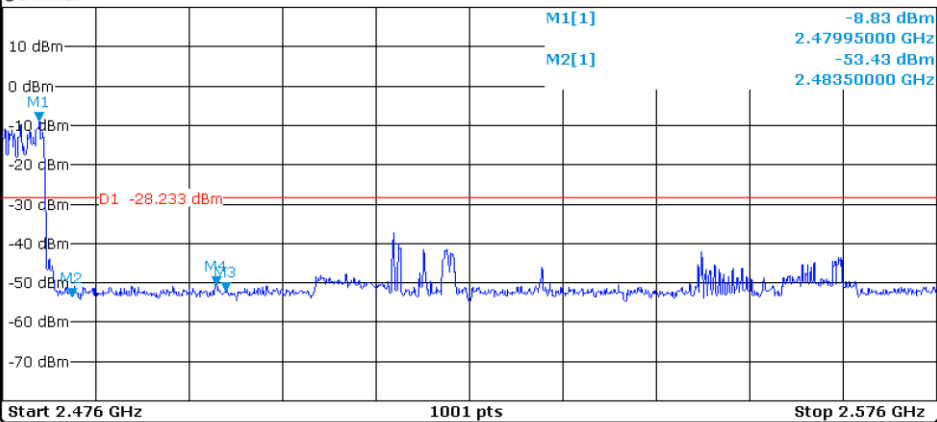


### Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission

Spectrum

Ref Level 20.00 dBm Offset 3.08 dB RBW 100 kHz  
Att 35 dB SWT 227.5  $\mu$ s VBW 300 kHz Mode Auto FFT  
SGL Count 1200/1200

1Pk Max

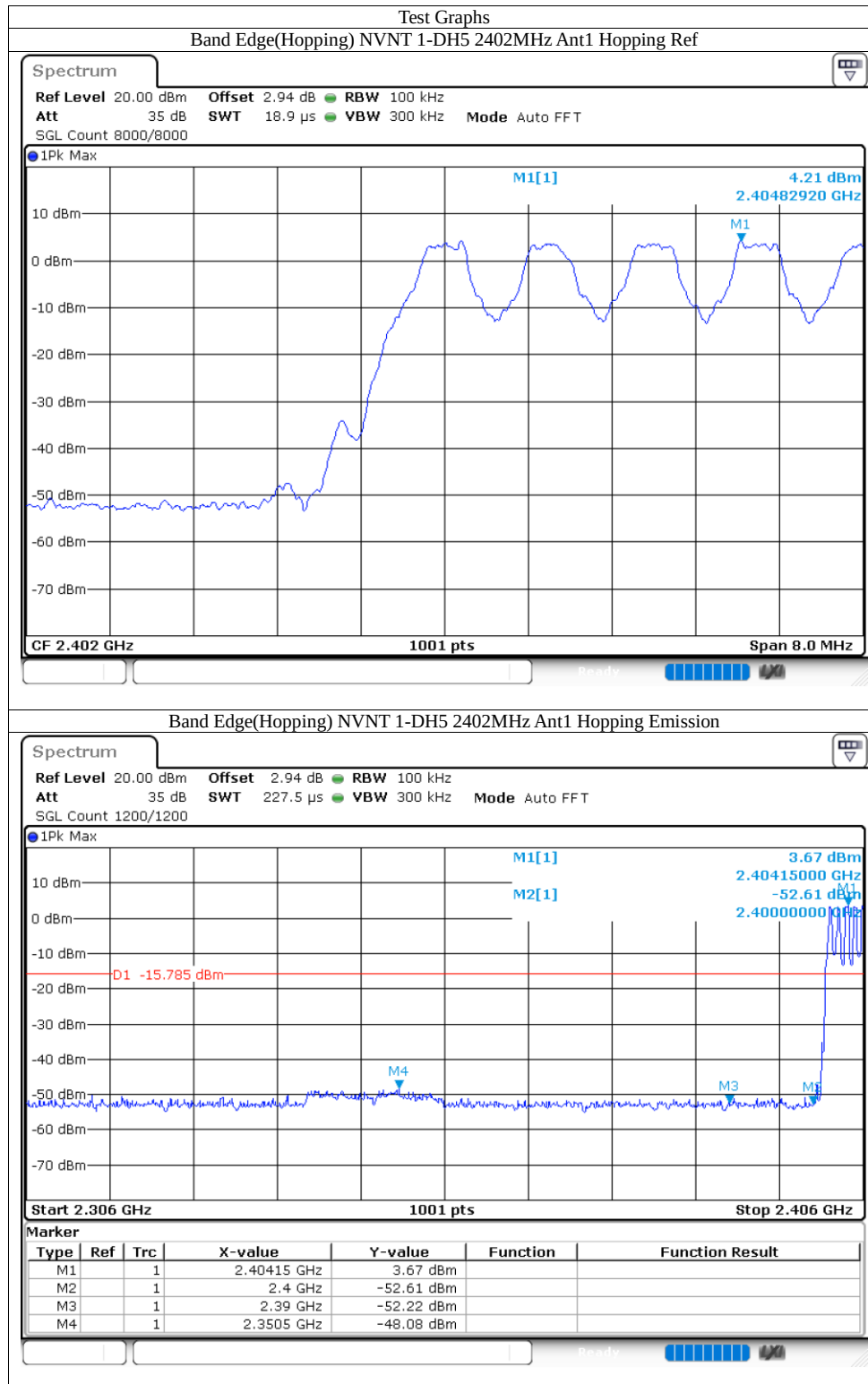


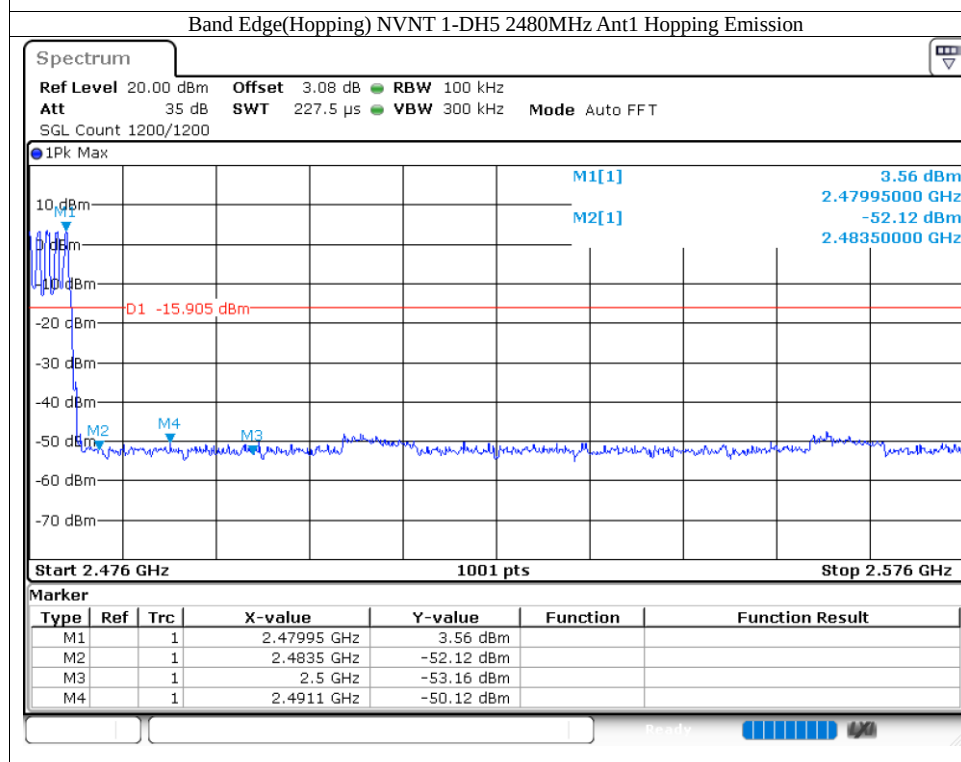
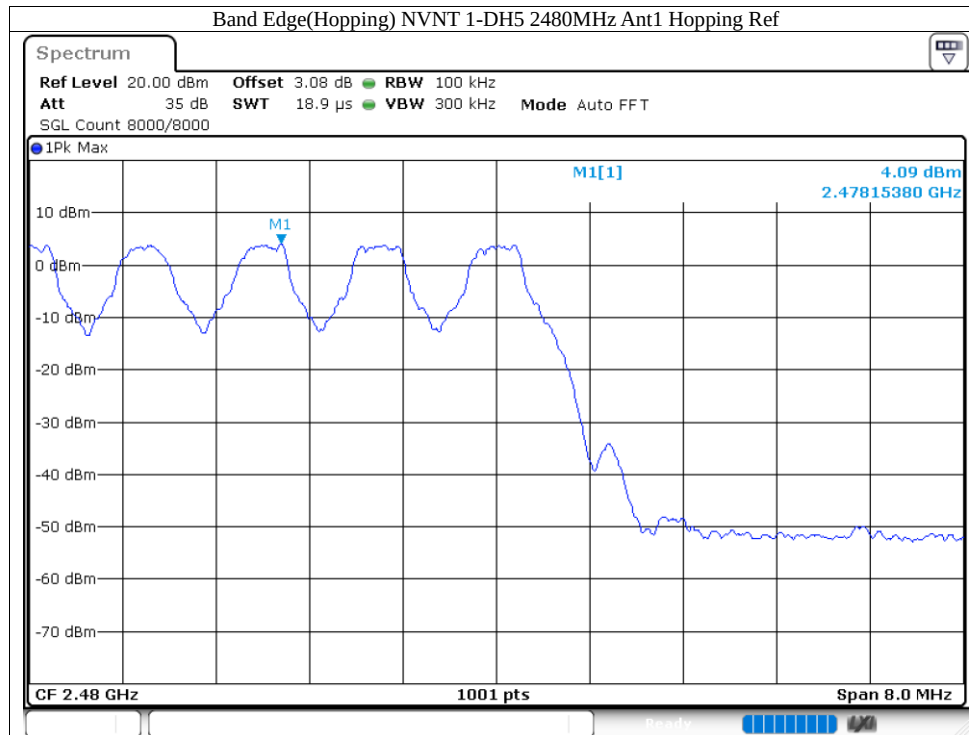
Marker

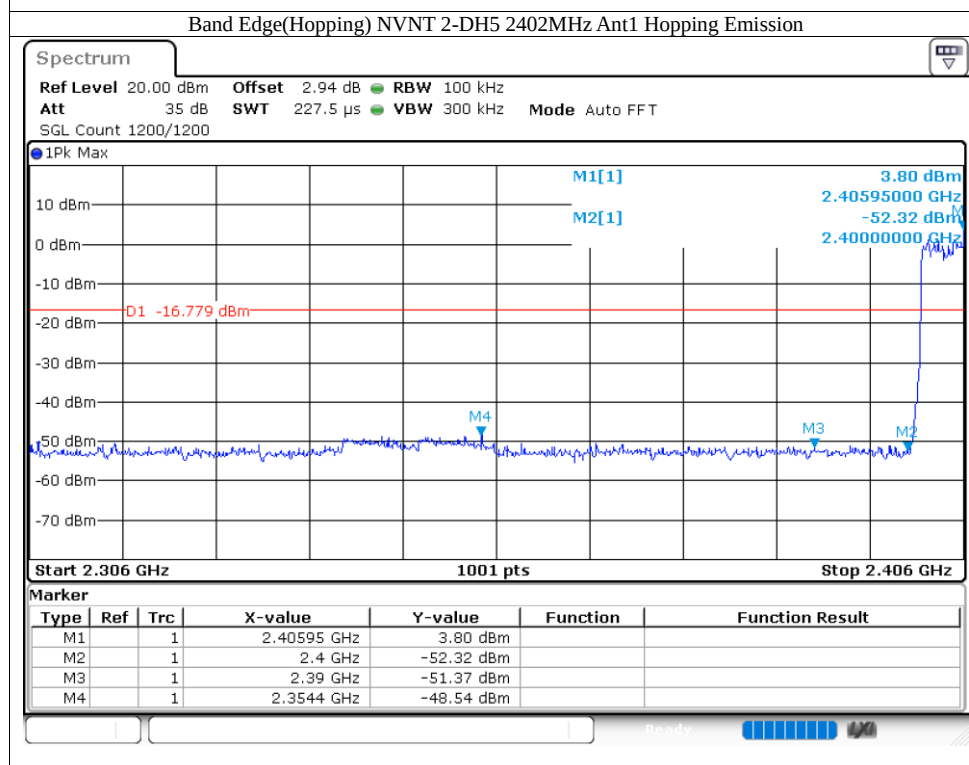
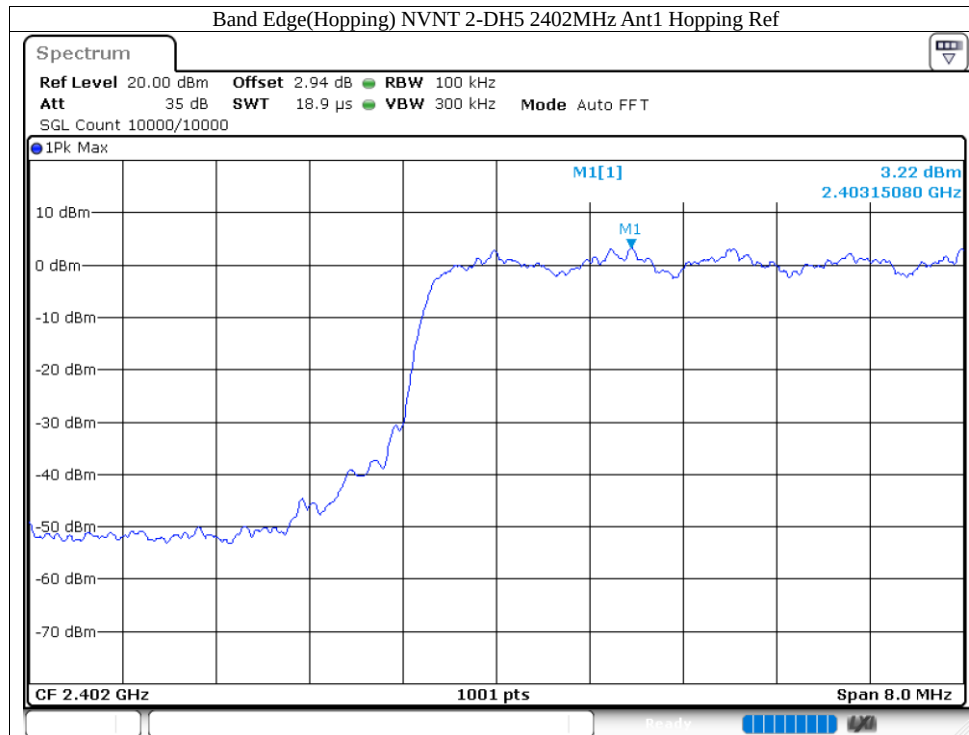
| Type | Ref | Trc | X-value     | Y-value    | Function | Function Result |
|------|-----|-----|-------------|------------|----------|-----------------|
| M1   |     | 1   | 2.47995 GHz | -8.83 dBm  |          |                 |
| M2   |     | 1   | 2.4835 GHz  | -53.43 dBm |          |                 |
| M3   |     | 1   | 2.5 GHz     | -51.93 dBm |          |                 |
| M4   |     | 1   | 2.4989 GHz  | -50.57 dBm |          |                 |

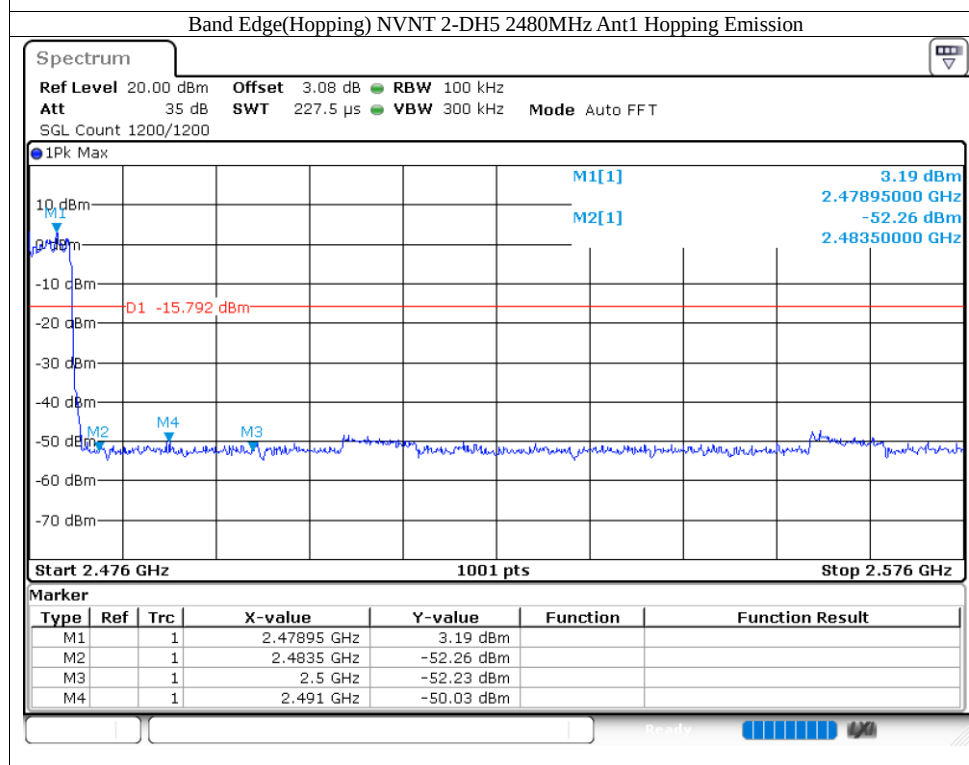
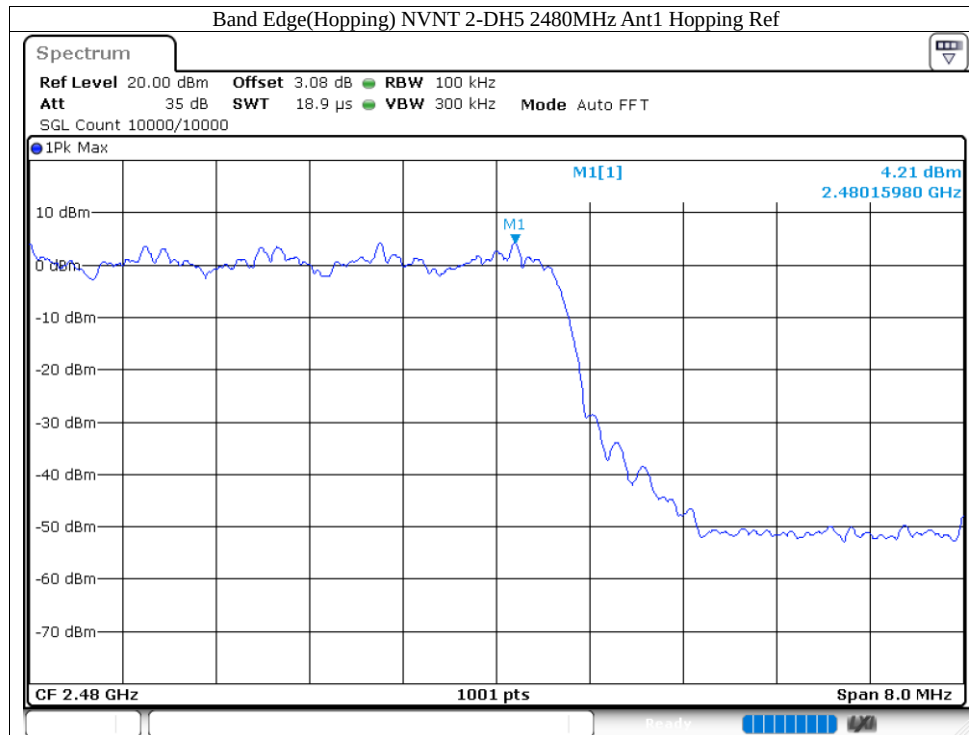
## Secondary Bluetooth

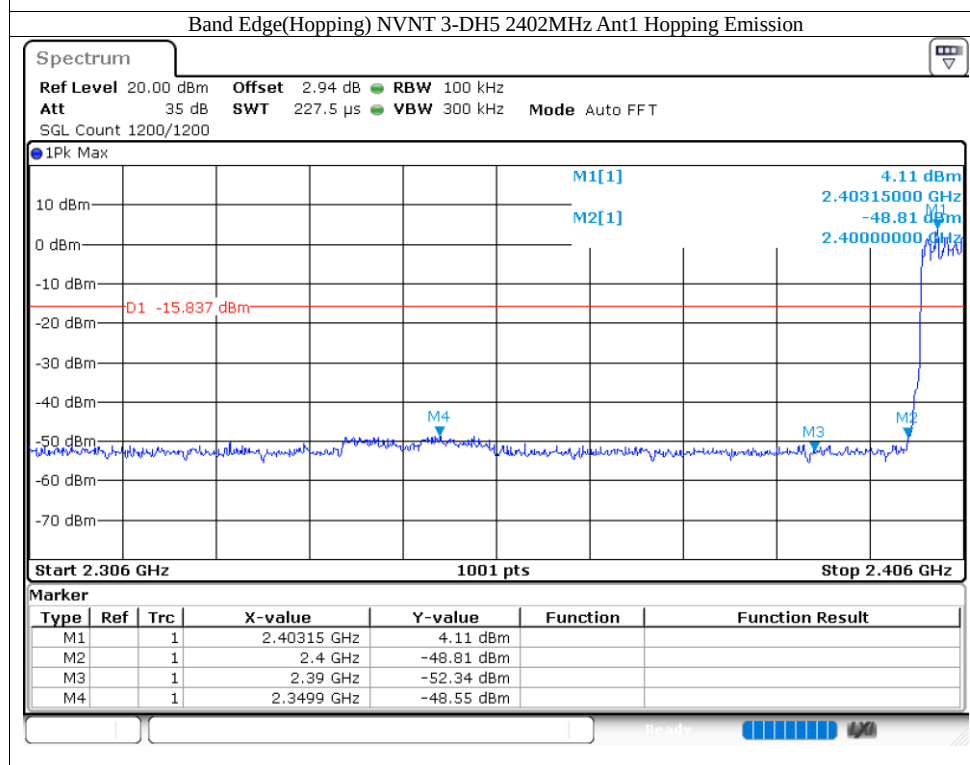
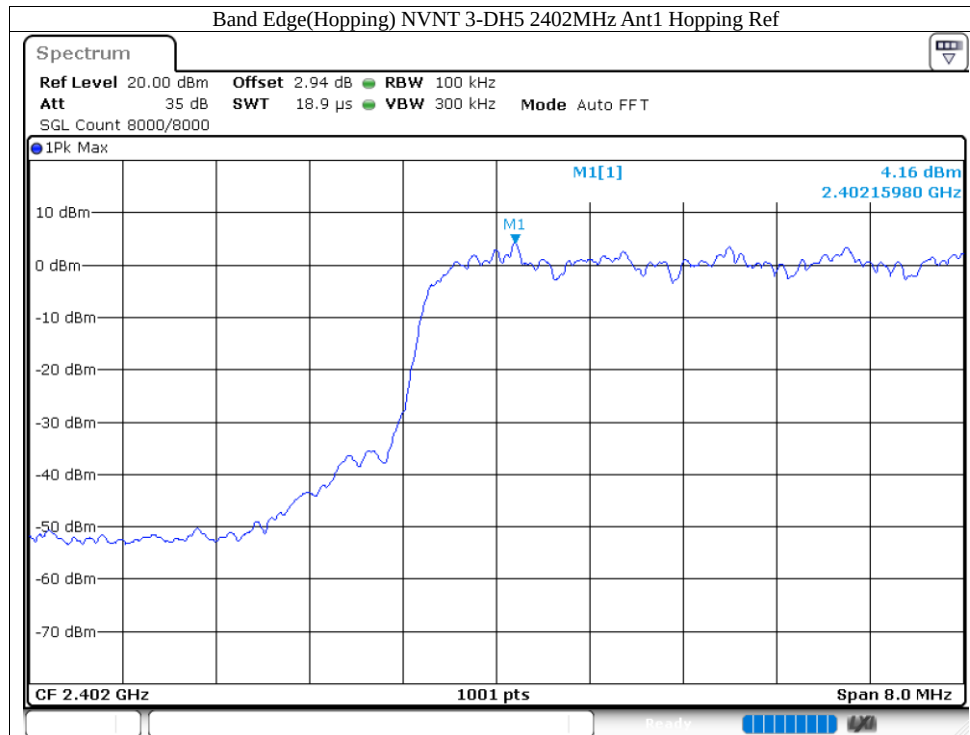
| Condition | Mode  | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|--------------|-----------------|-------------|---------|
| NVNT      | 1-DH5 | 2402            | Ant1    | Hopping      | -52.28          | -20         | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | Hopping      | -54.21          | -20         | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | Hopping      | -51.76          | -20         | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | Hopping      | -54.24          | -20         | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | Hopping      | -52.71          | -20         | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | Hopping      | -54.02          | -20         | Pass    |

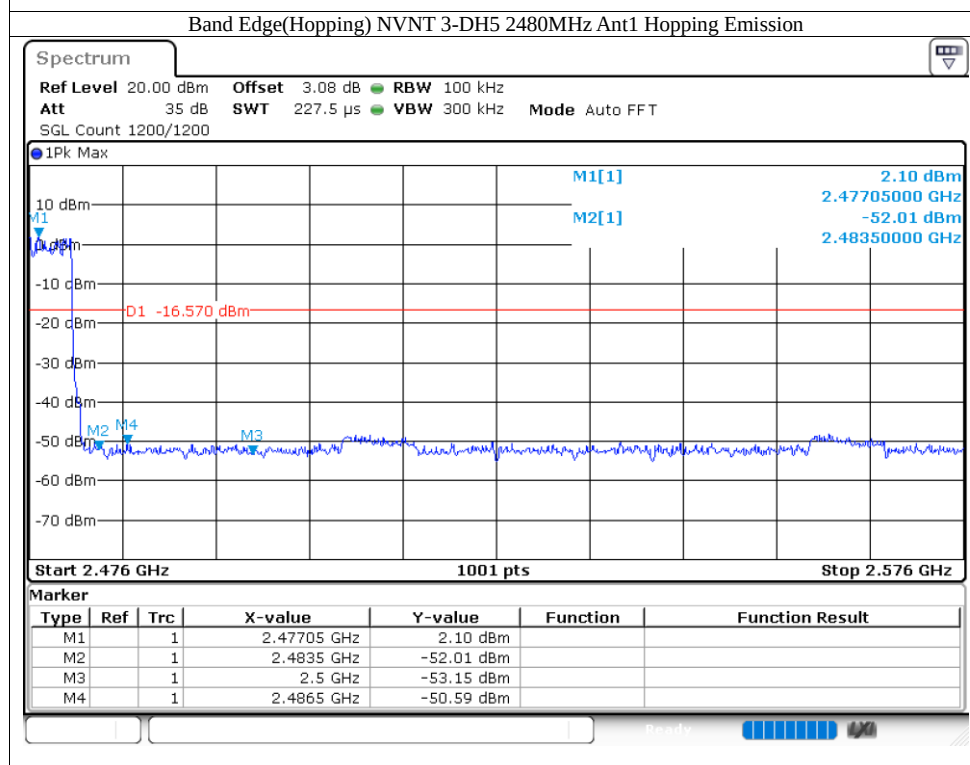
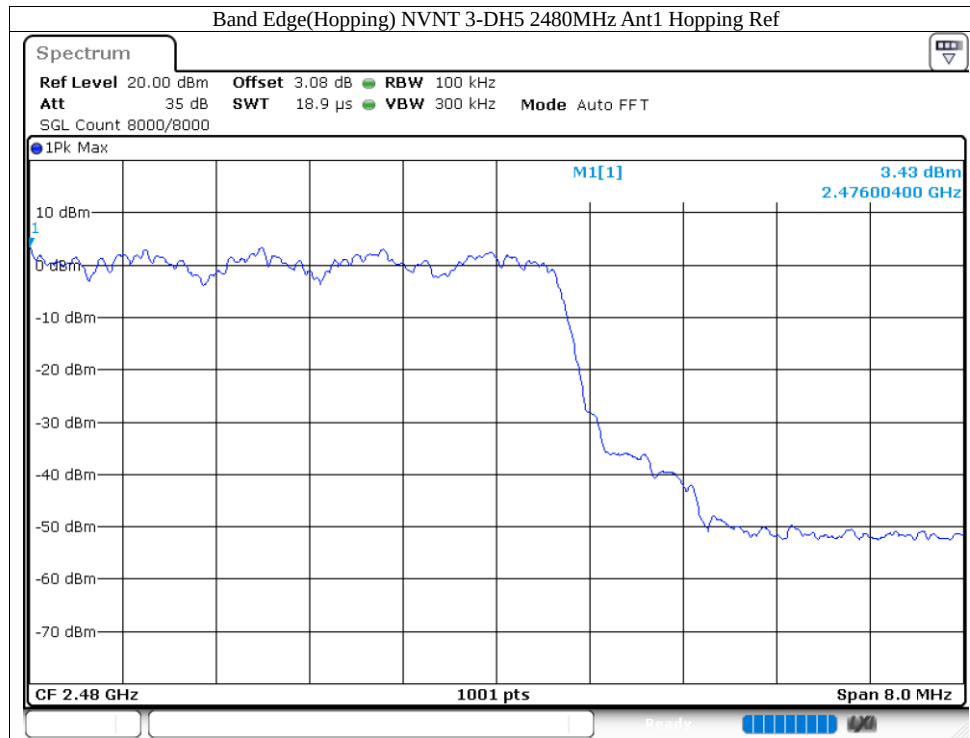












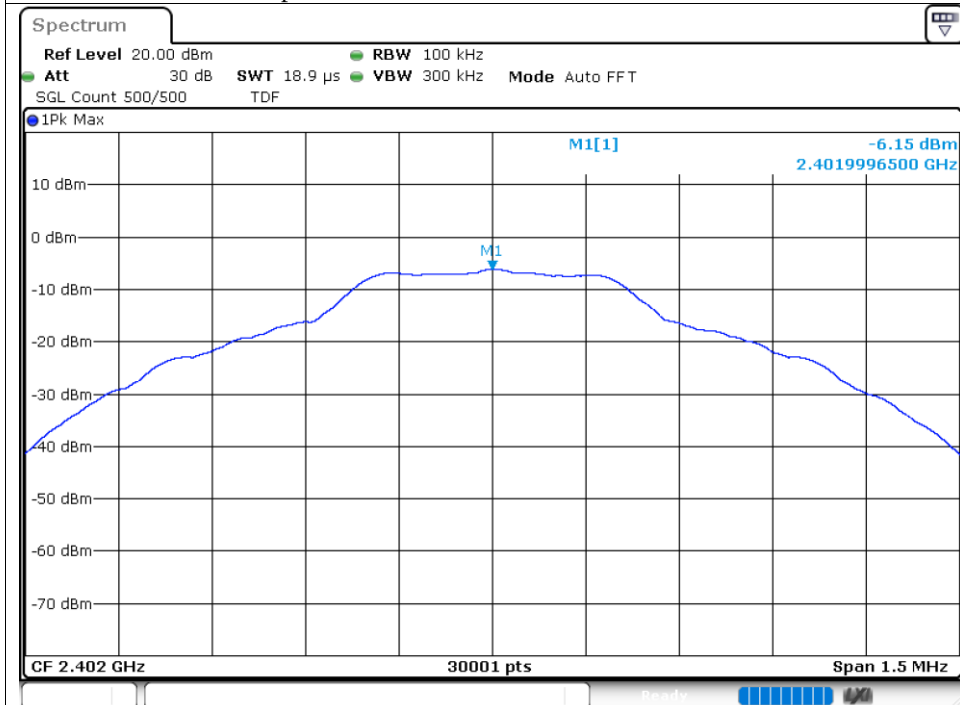
## 8.9 CONDUCTED RF SPURIOUS EMISSION

Main Bluetooth

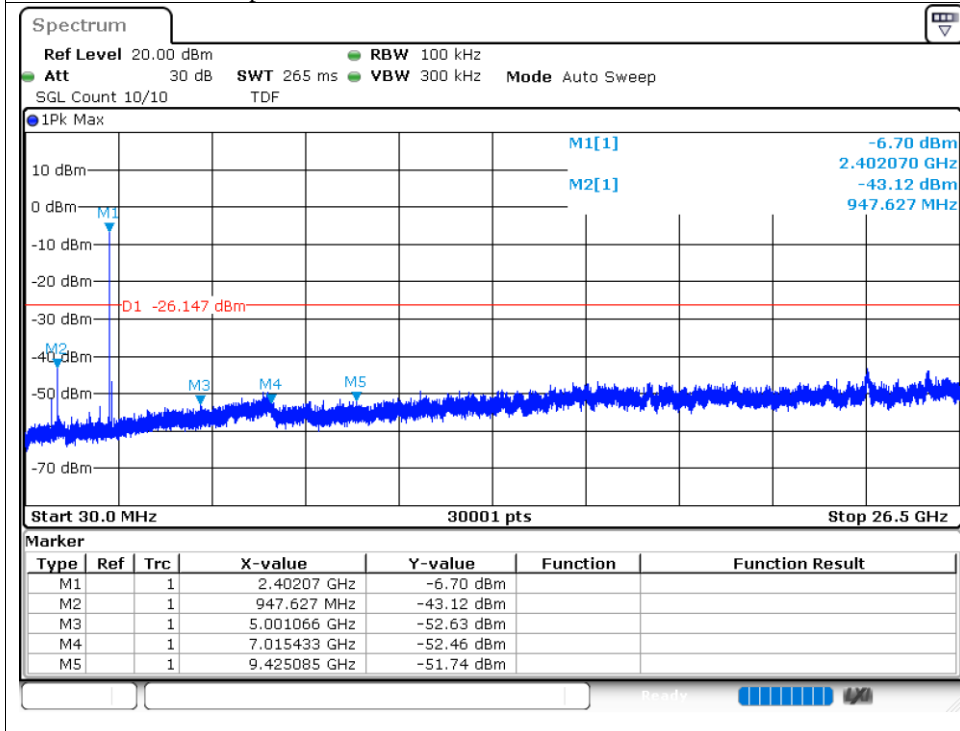
| Condition | Mode  | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | 1-DH5 | 2402            | Ant1    | -36.97          | -20         | Pass    |
| NVNT      | 1-DH5 | 2441            | Ant1    | -33.21          | -20         | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | -42.58          | -20         | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | -39.94          | -20         | Pass    |
| NVNT      | 2-DH5 | 2441            | Ant1    | -34.5           | -20         | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | -34.58          | -20         | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | -35.1           | -20         | Pass    |
| NVNT      | 3-DH5 | 2441            | Ant1    | -35.48          | -20         | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | -34.36          | -20         | Pass    |

### Test Graphs

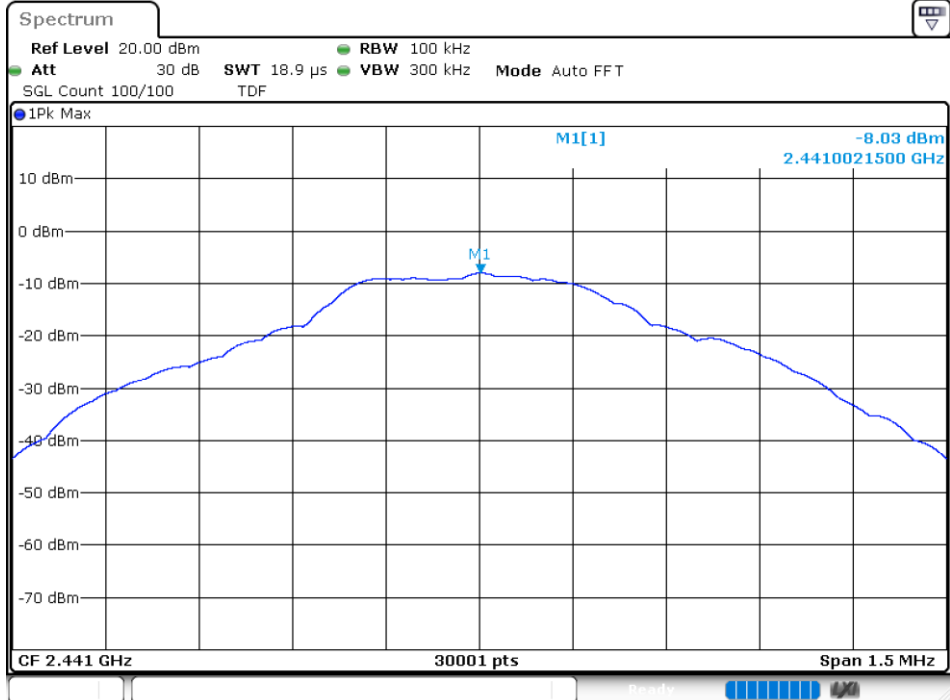
#### Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



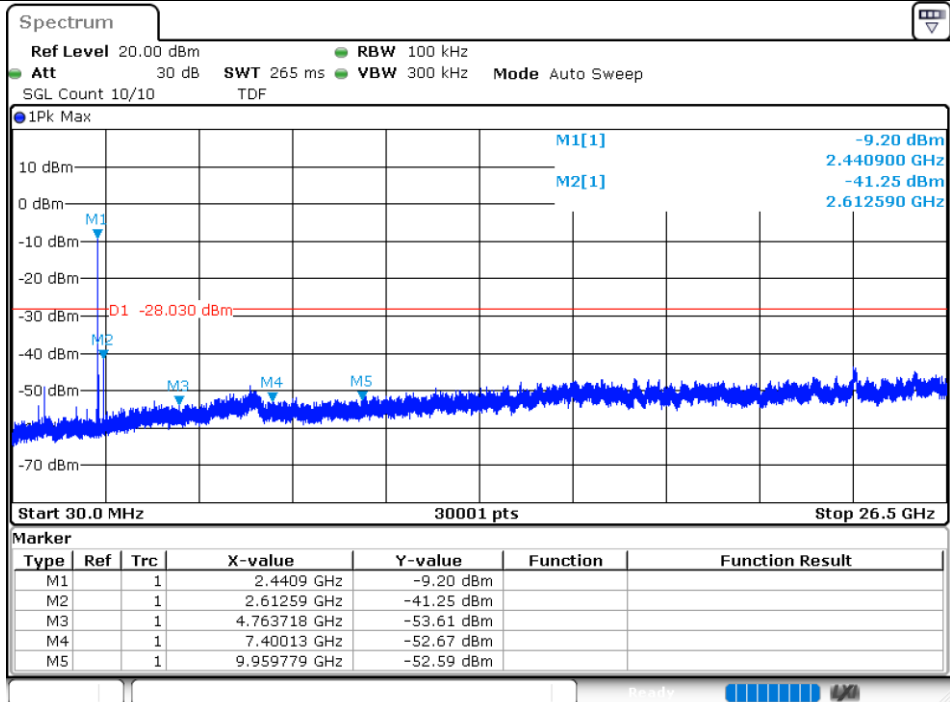
#### Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



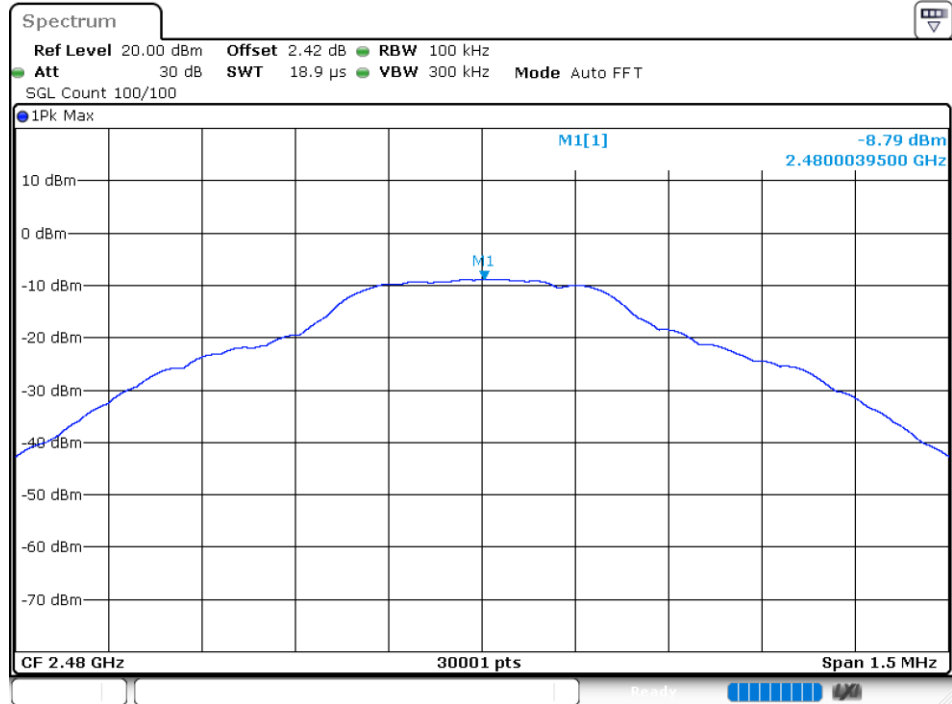
### Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



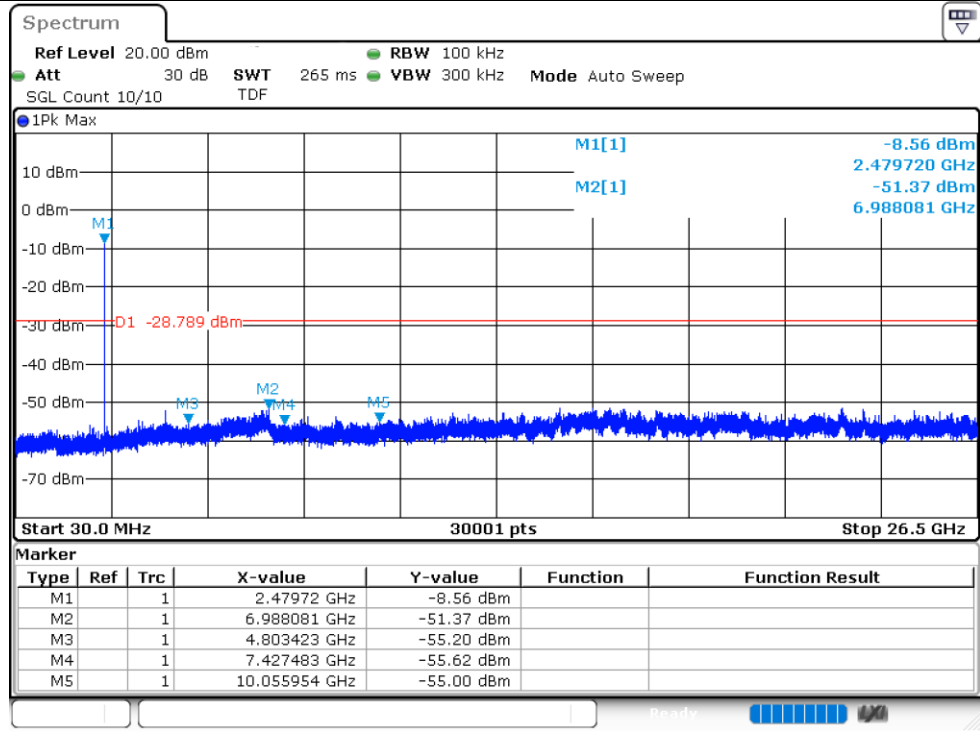
### Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



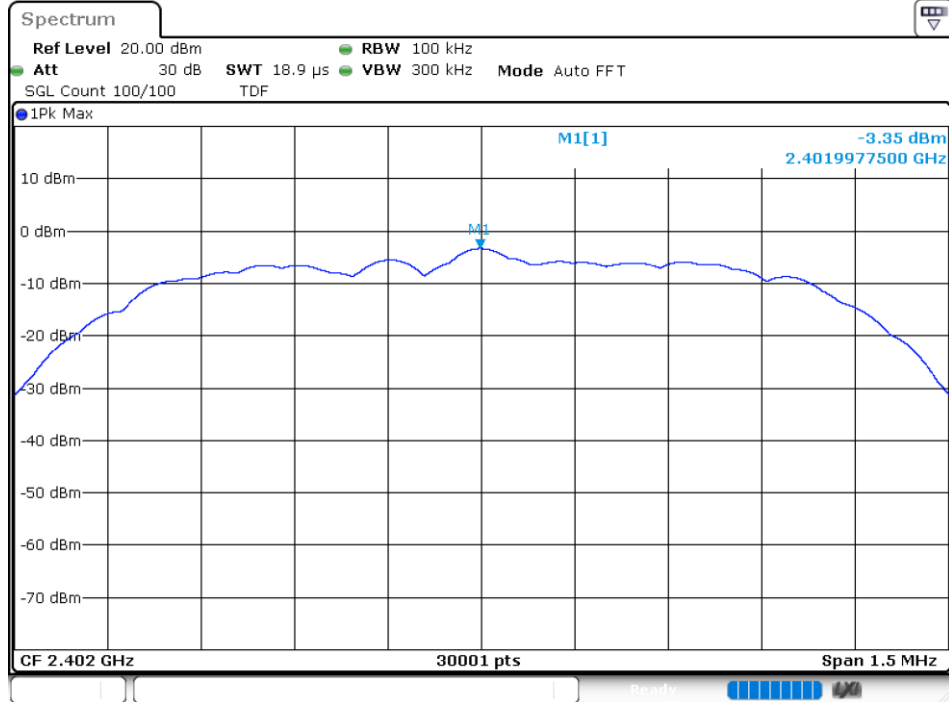
### Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



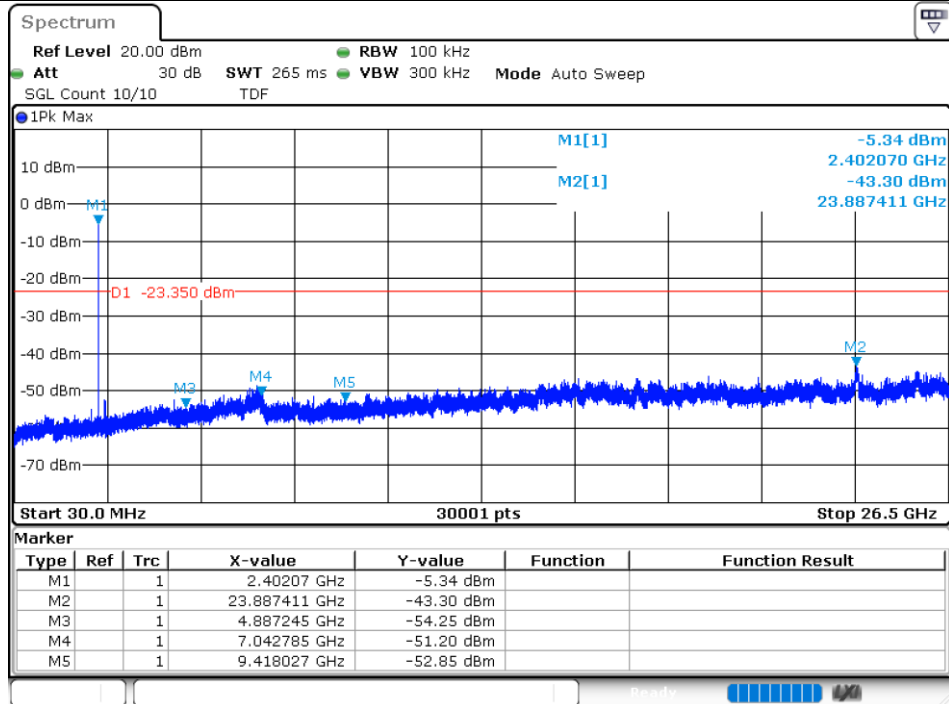
### Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



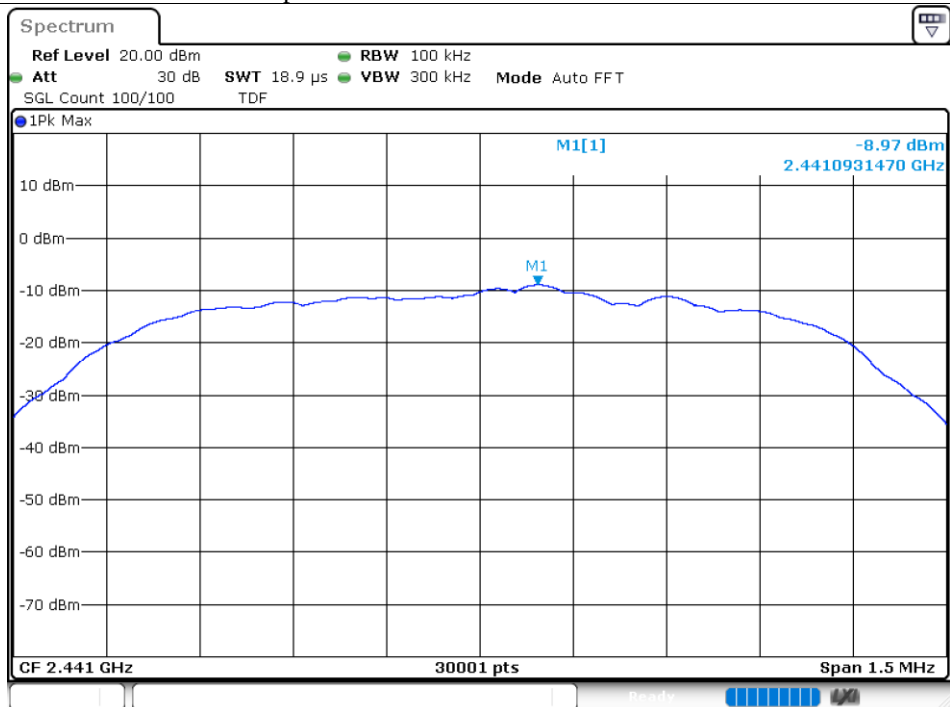
### Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



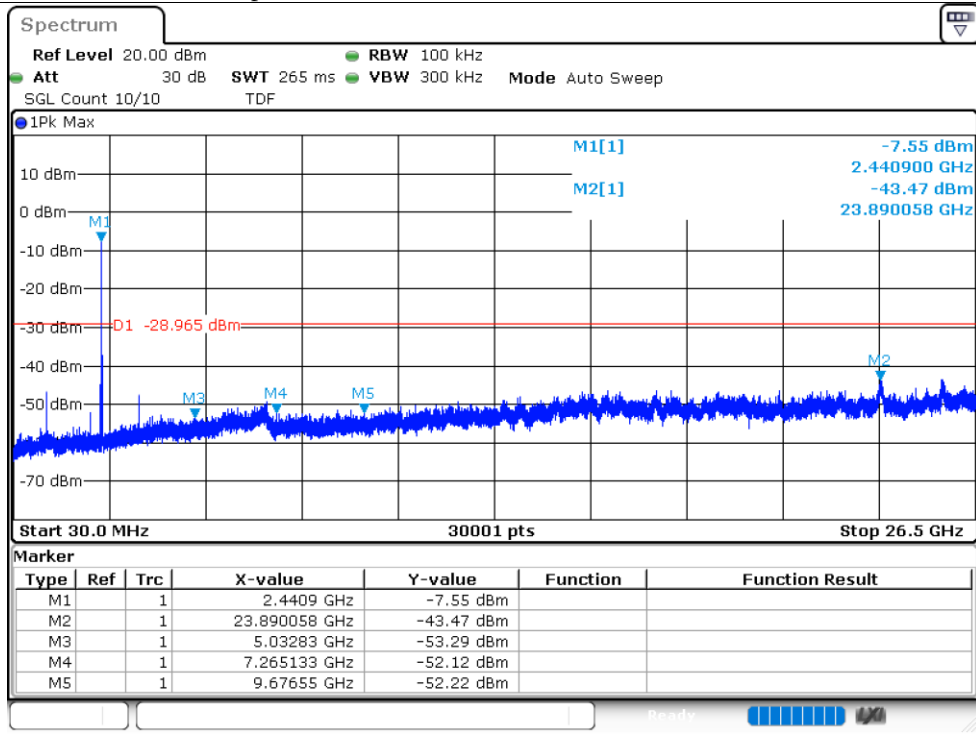
### Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



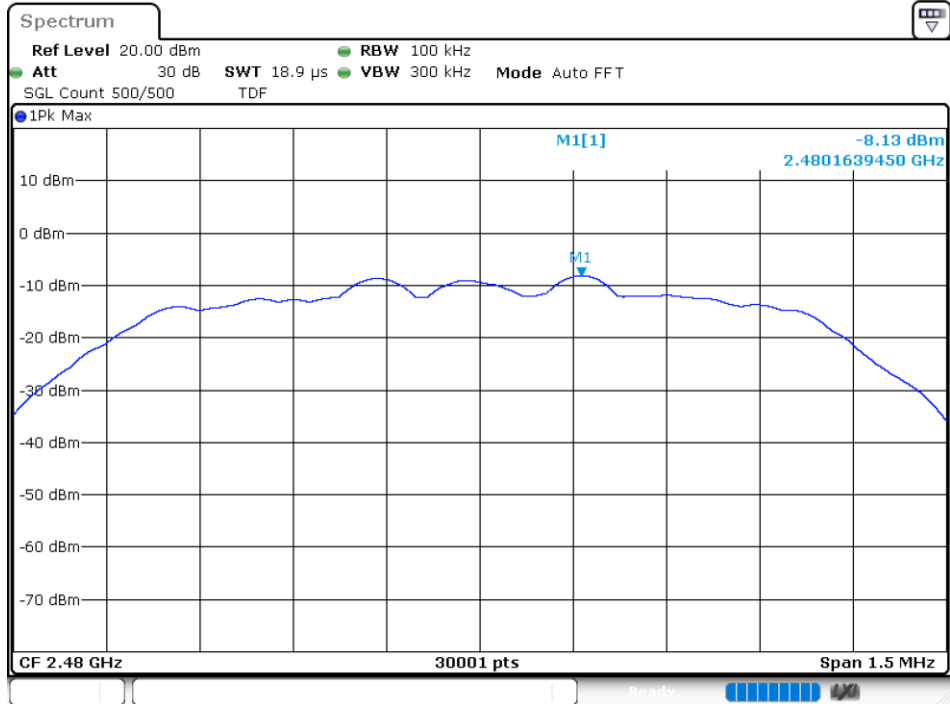
### Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



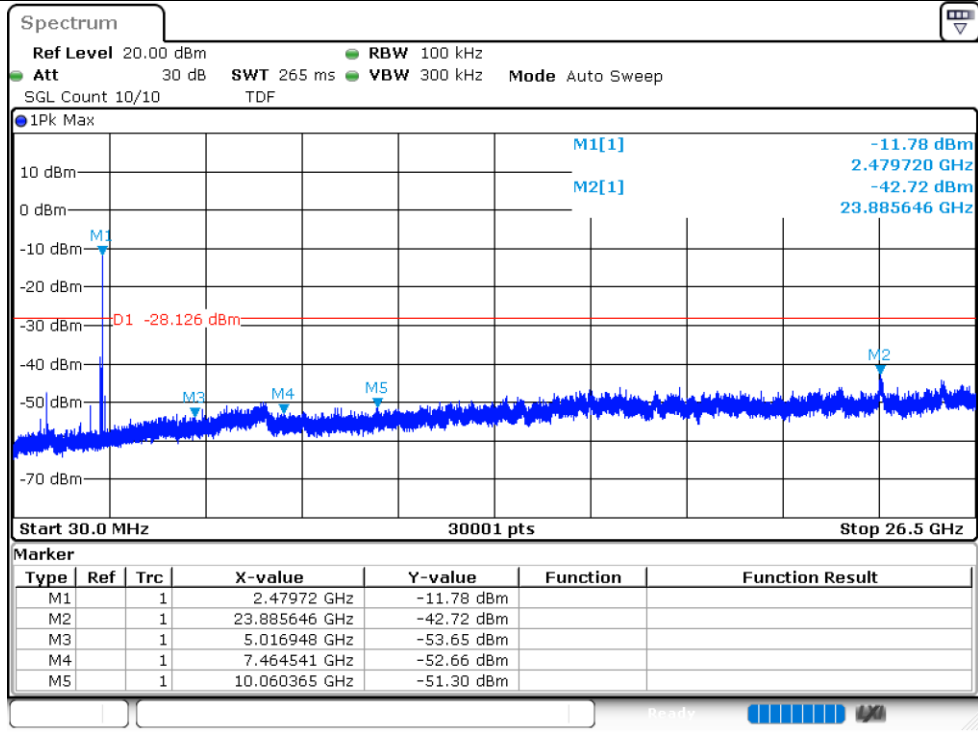
### Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



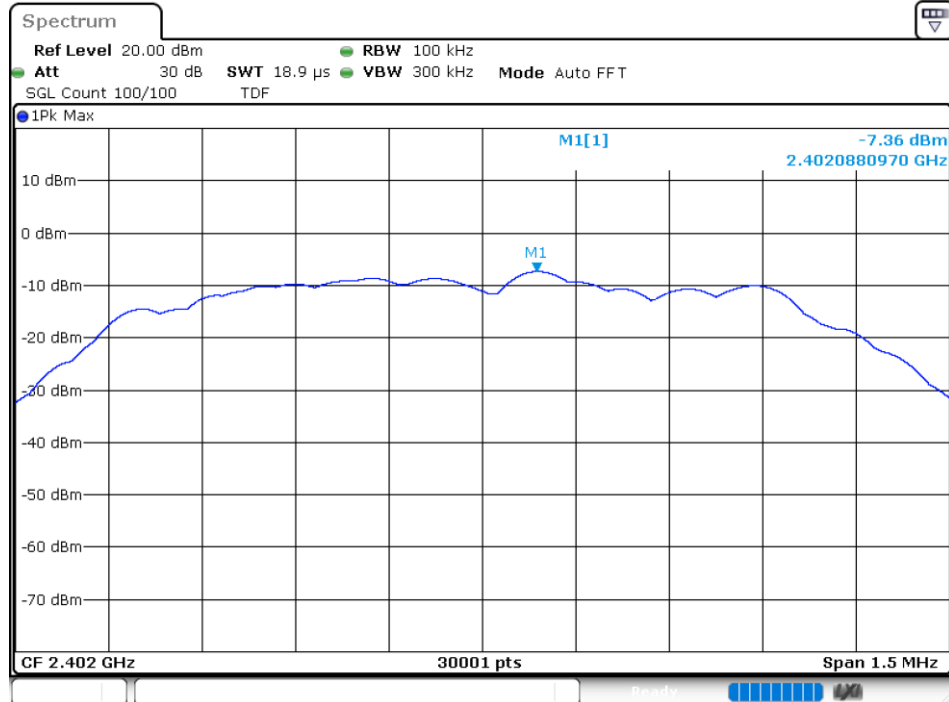
### Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



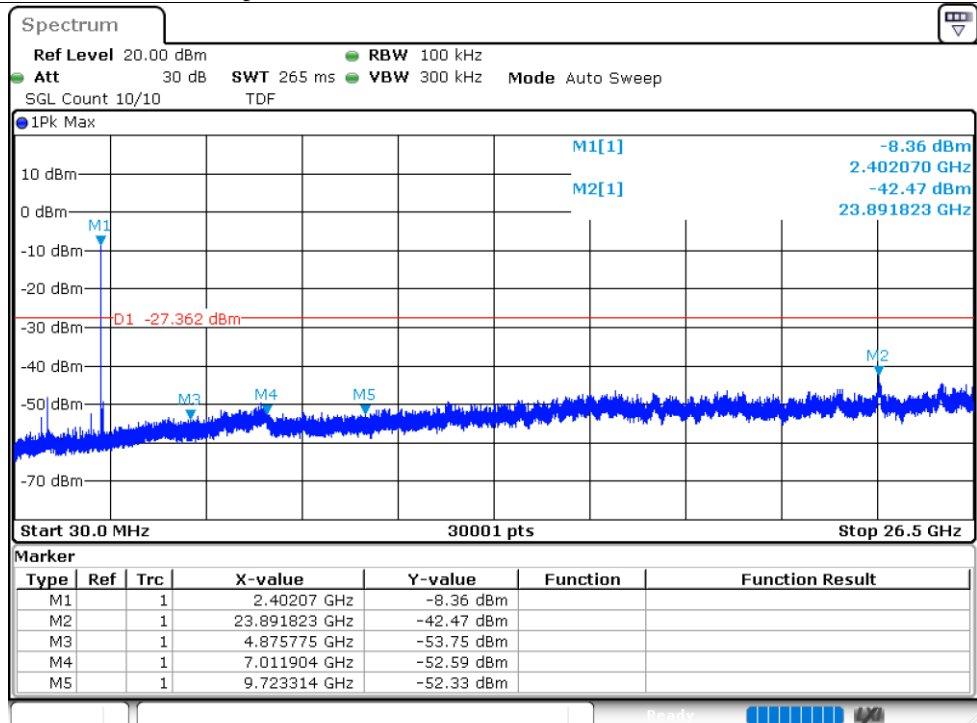
### Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission



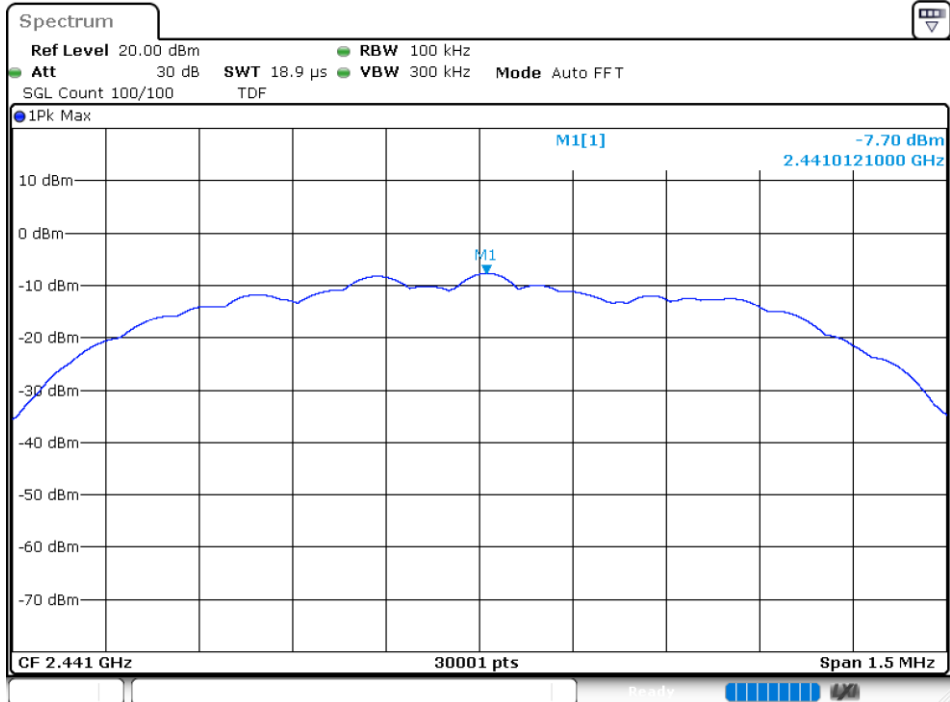
### Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



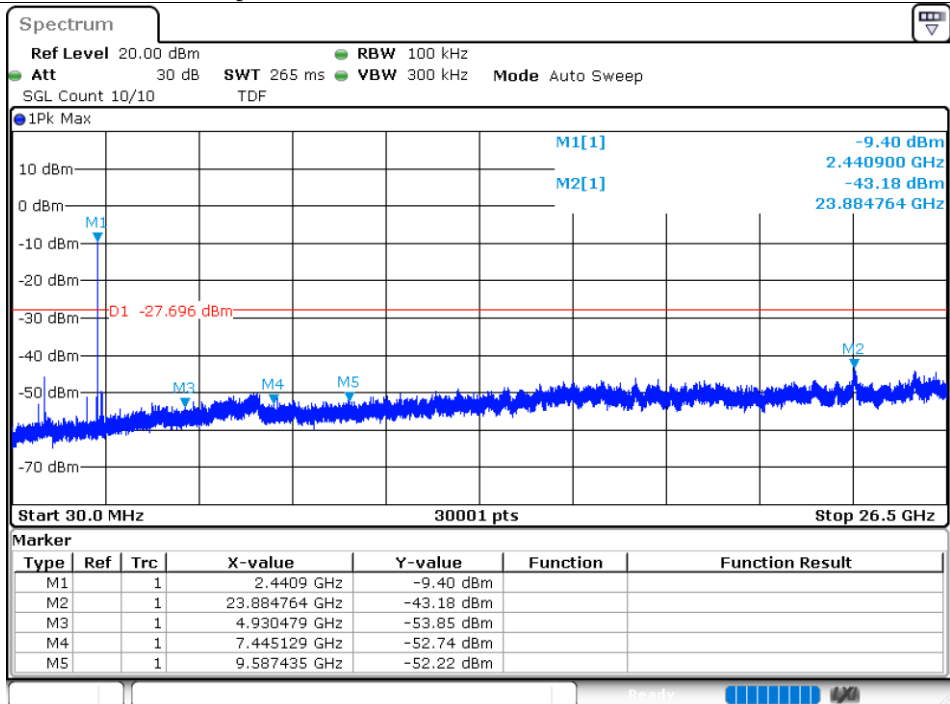
### Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission



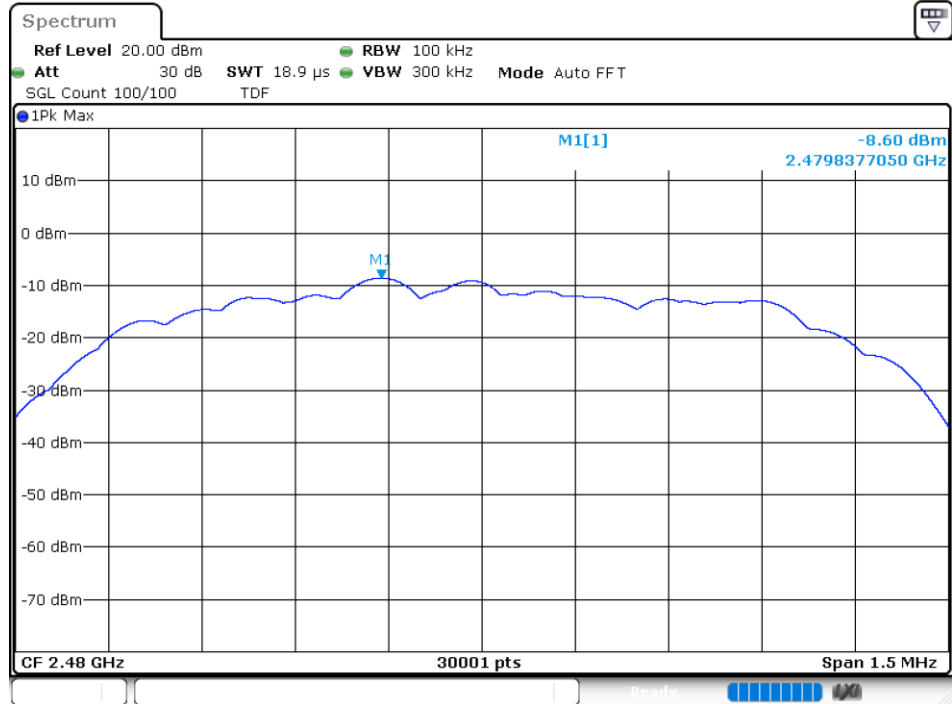
### Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref



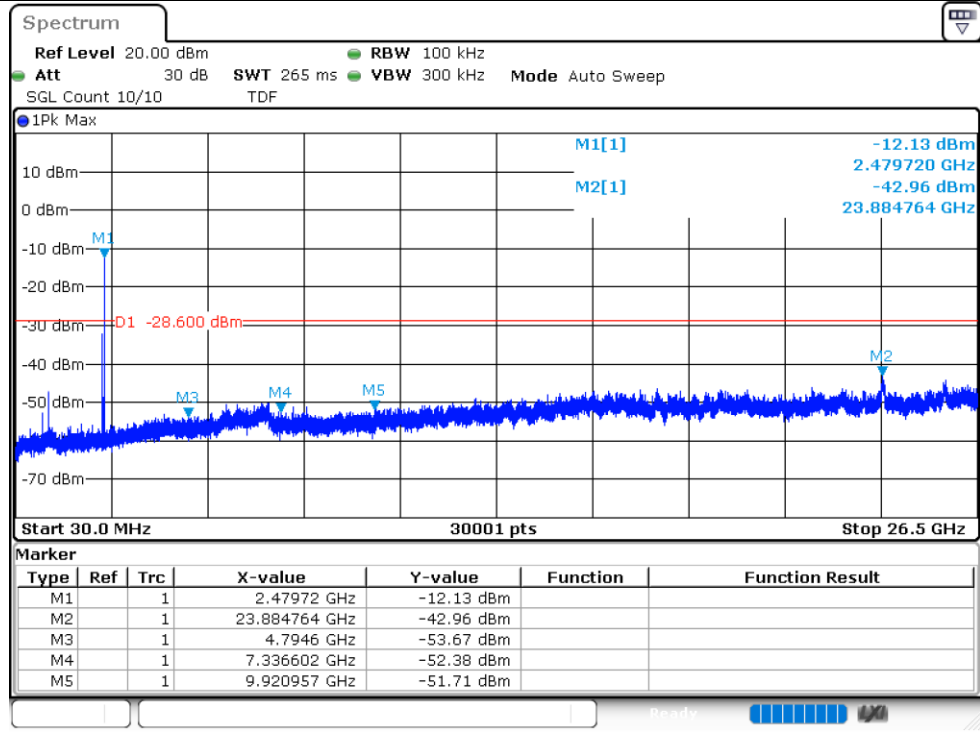
### Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission



### Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref

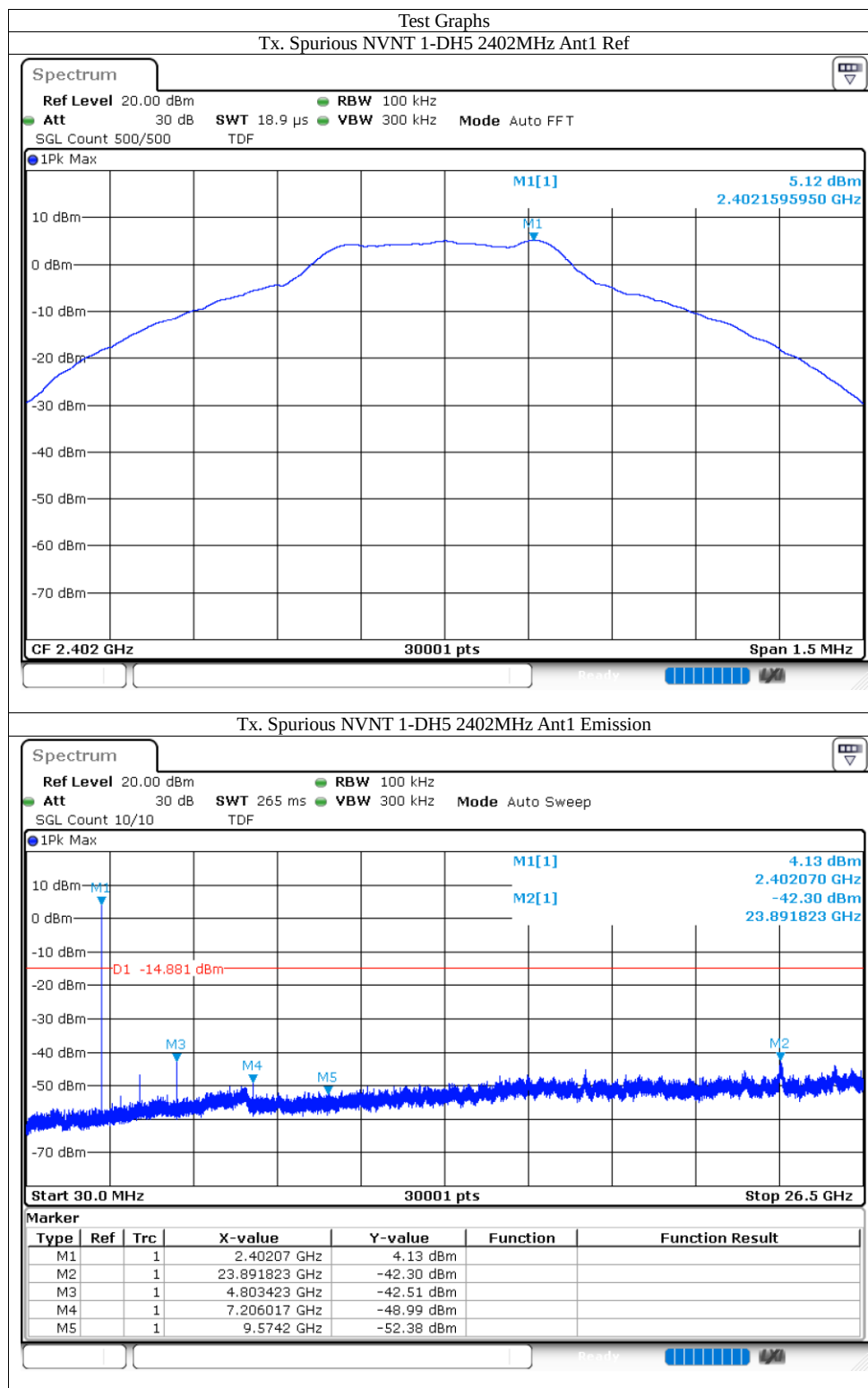


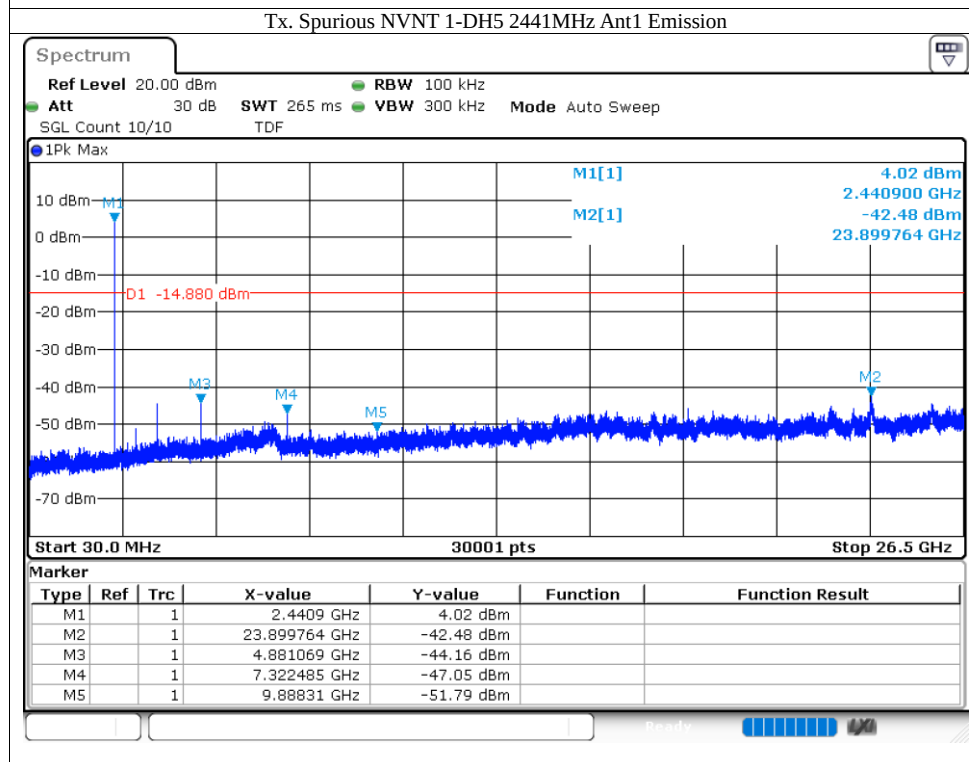
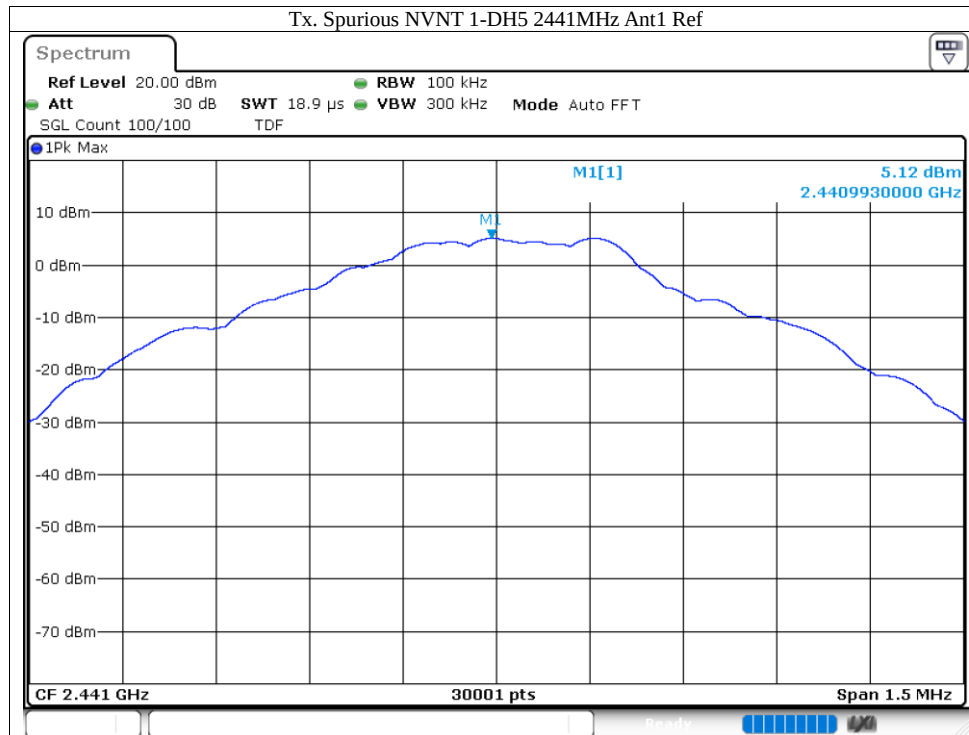
### Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission

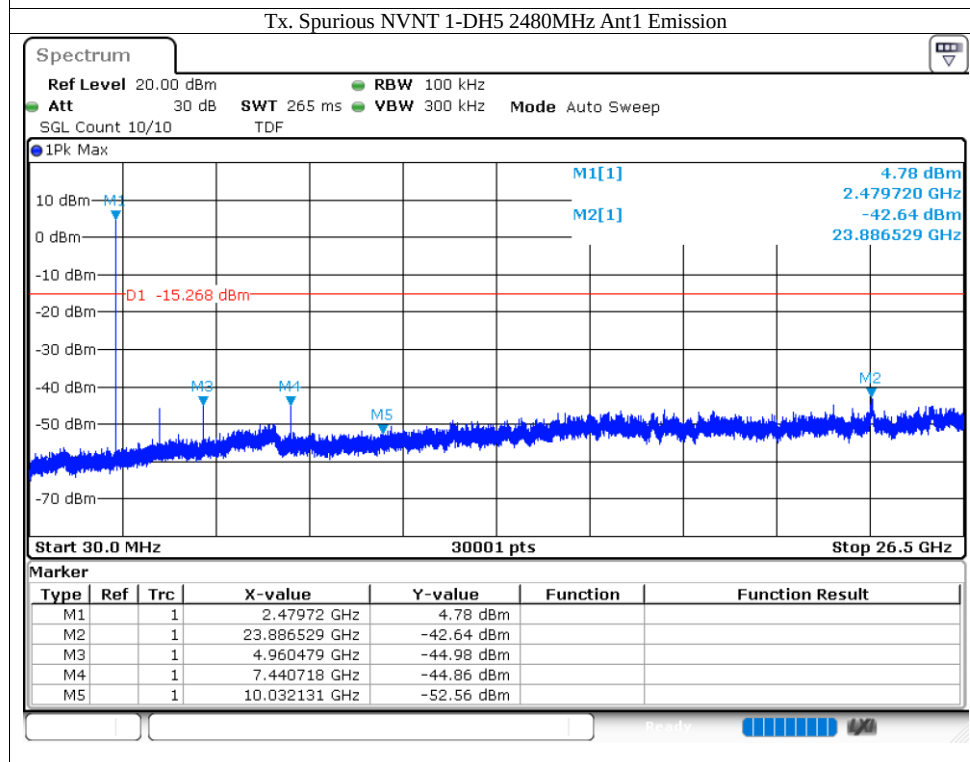
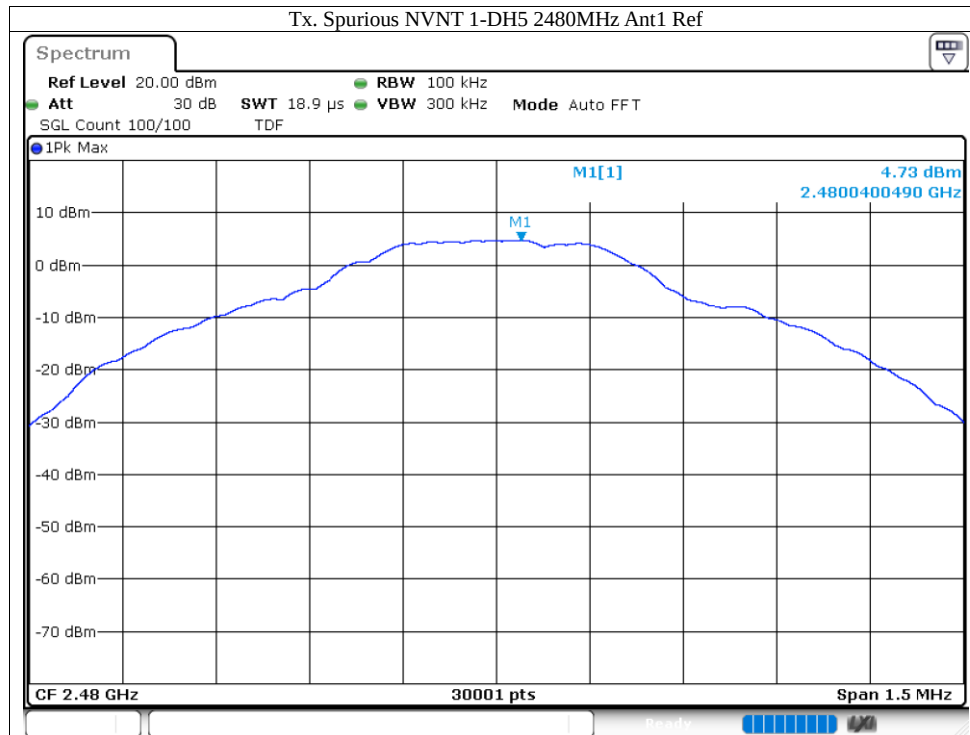


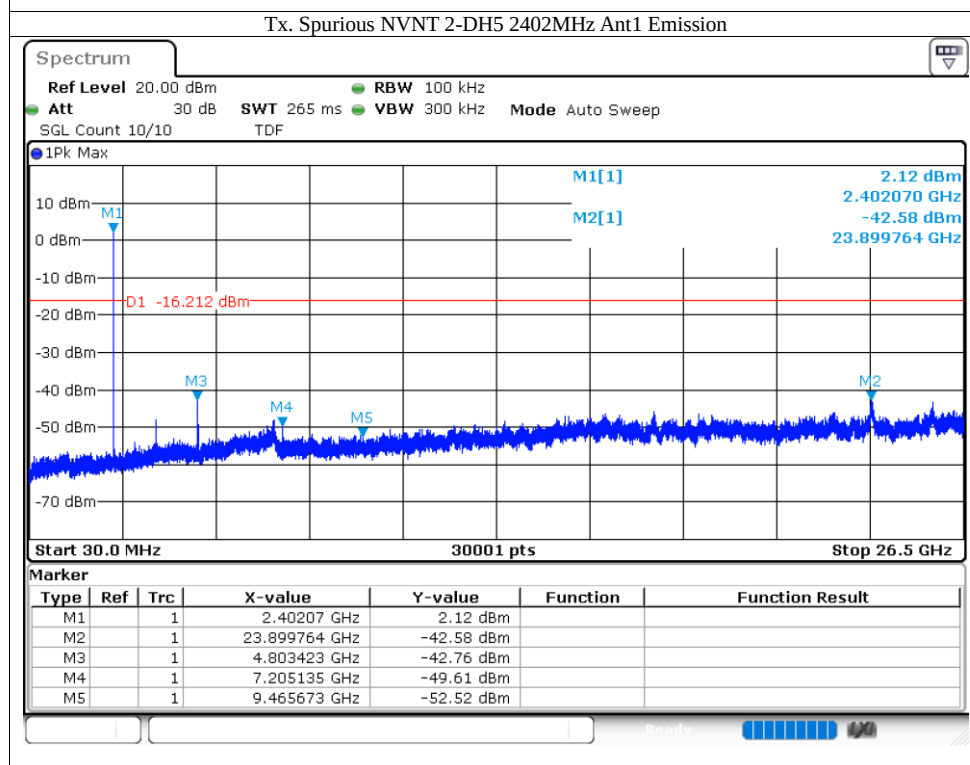
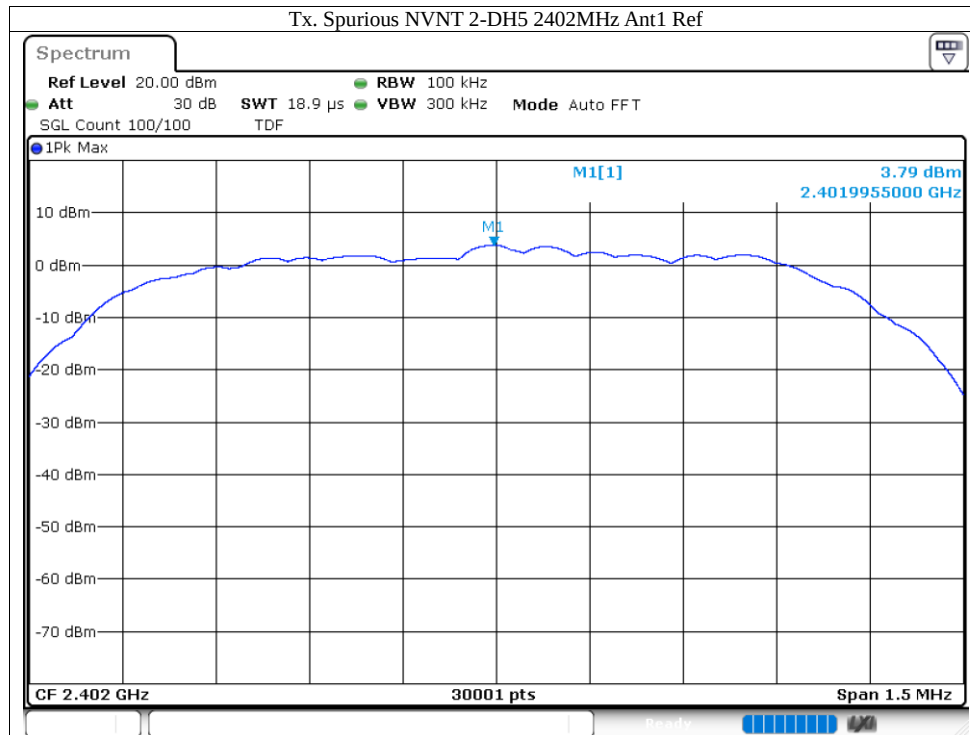
Secondary Bluetooth

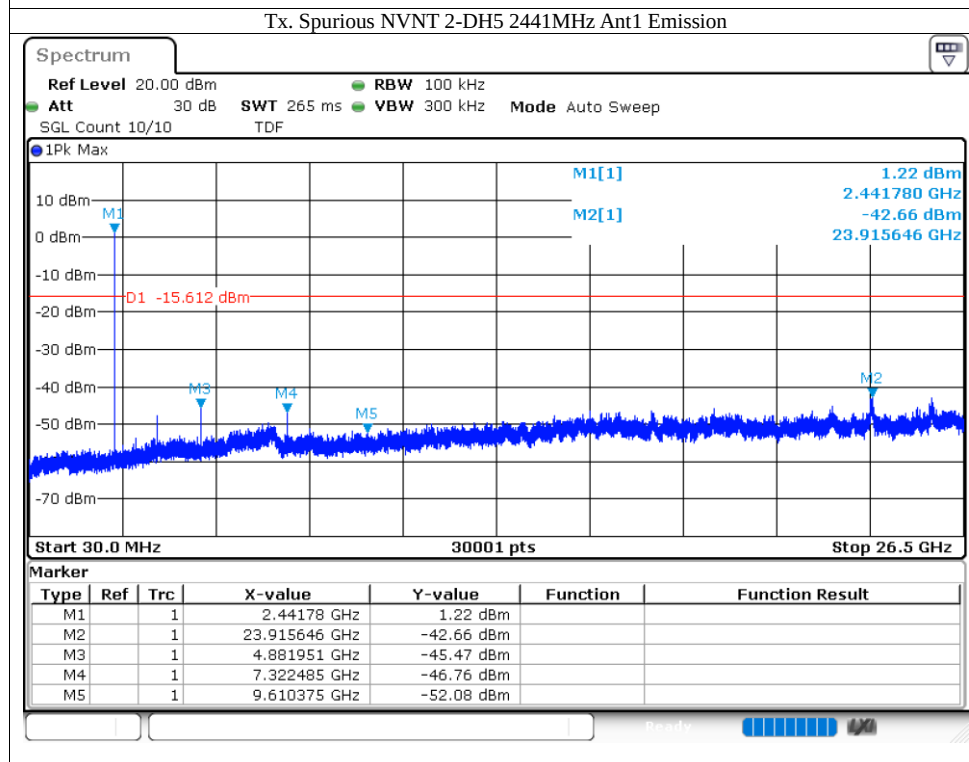
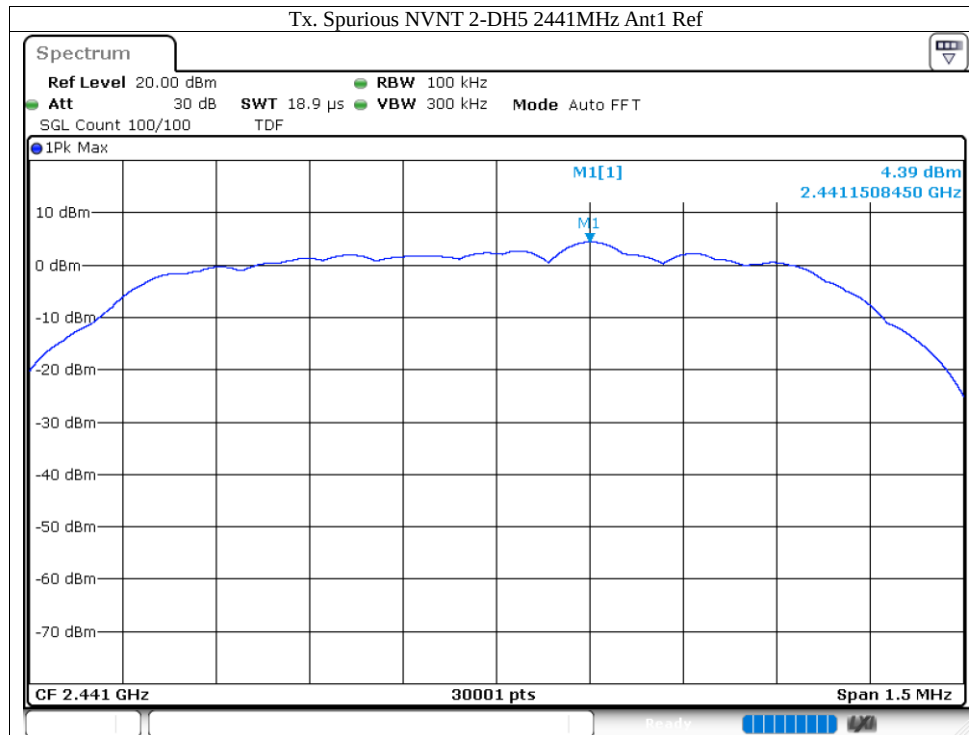
| Condition | Mode  | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|-----------|-------|-----------------|---------|-----------------|-------------|---------|
| NVNT      | 1-DH5 | 2402            | Ant1    | -47.41          | -20         | Pass    |
| NVNT      | 1-DH5 | 2441            | Ant1    | -47.6           | -20         | Pass    |
| NVNT      | 1-DH5 | 2480            | Ant1    | -47.36          | -20         | Pass    |
| NVNT      | 2-DH5 | 2402            | Ant1    | -46.37          | -20         | Pass    |
| NVNT      | 2-DH5 | 2441            | Ant1    | -47.04          | -20         | Pass    |
| NVNT      | 2-DH5 | 2480            | Ant1    | -47.21          | -20         | Pass    |
| NVNT      | 3-DH5 | 2402            | Ant1    | -47.98          | -20         | Pass    |
| NVNT      | 3-DH5 | 2441            | Ant1    | -47.58          | -20         | Pass    |
| NVNT      | 3-DH5 | 2480            | Ant1    | -46.76          | -20         | Pass    |

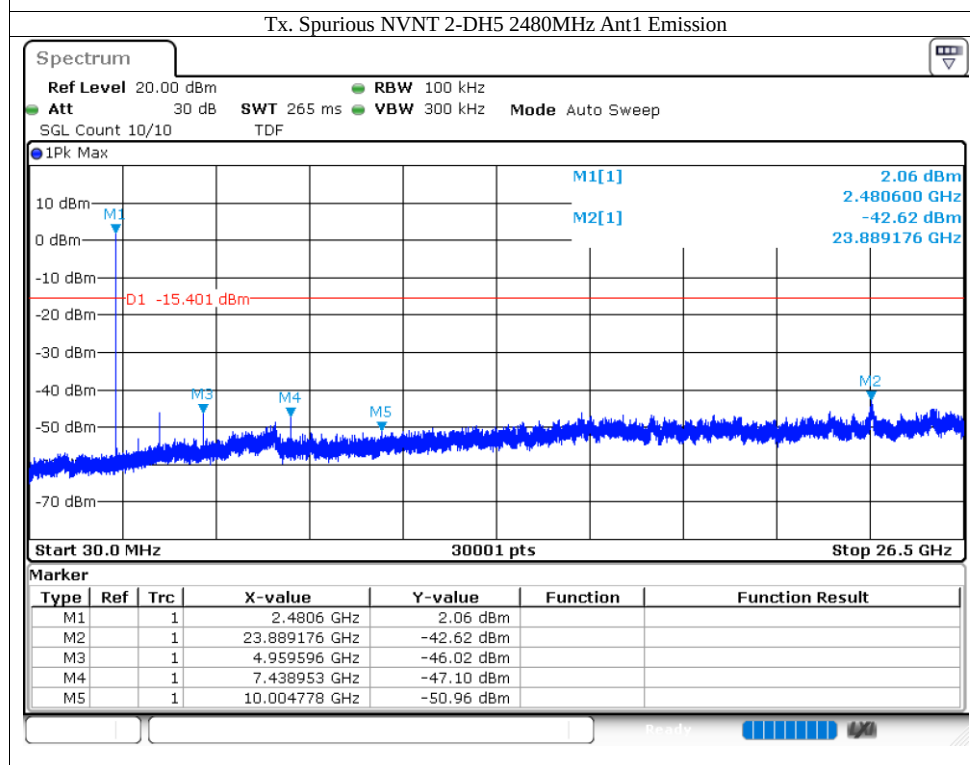
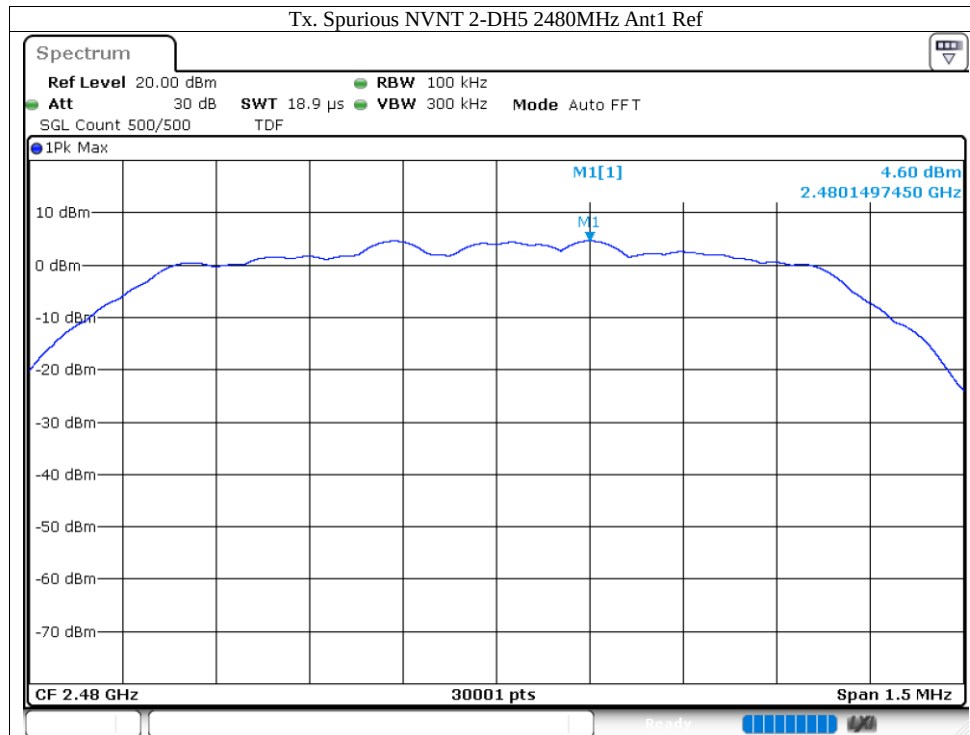


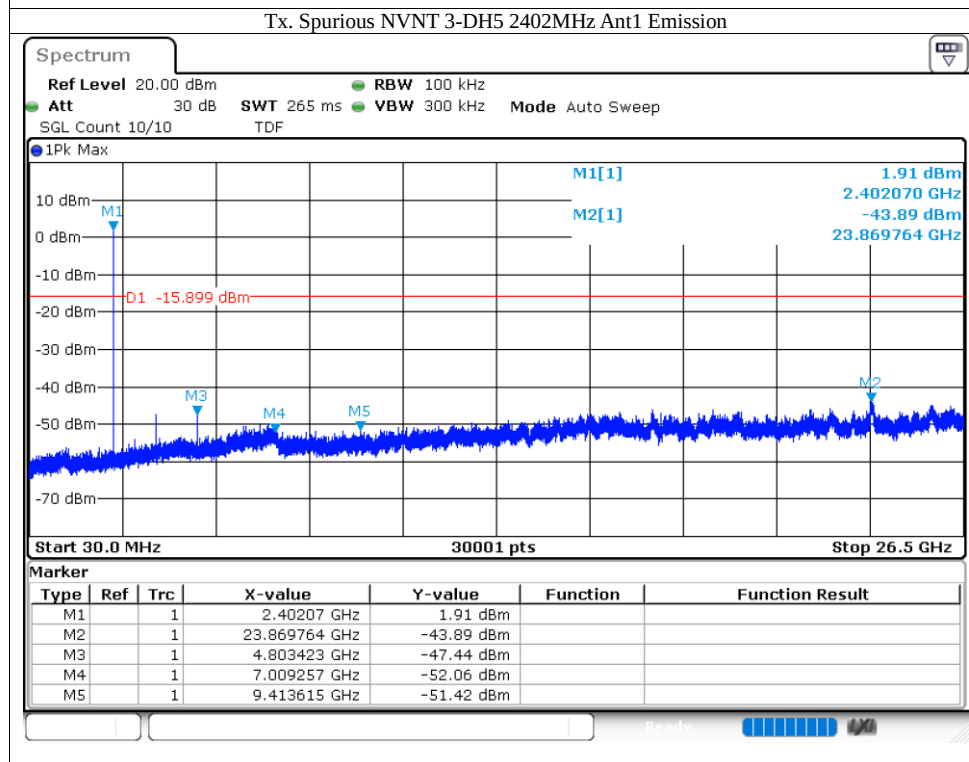
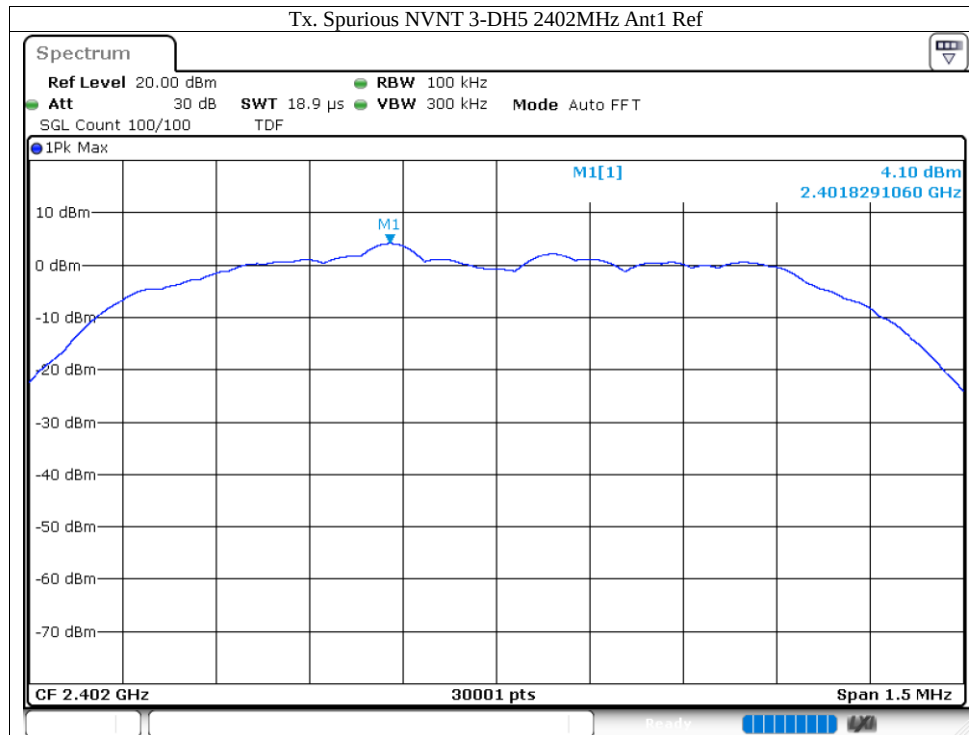


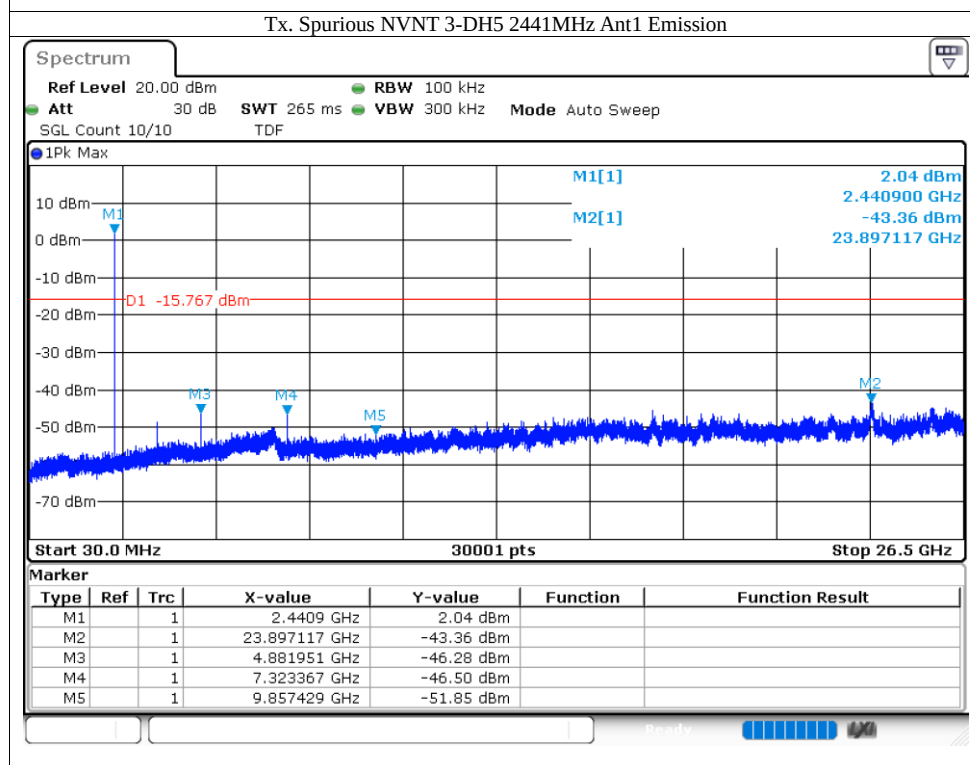
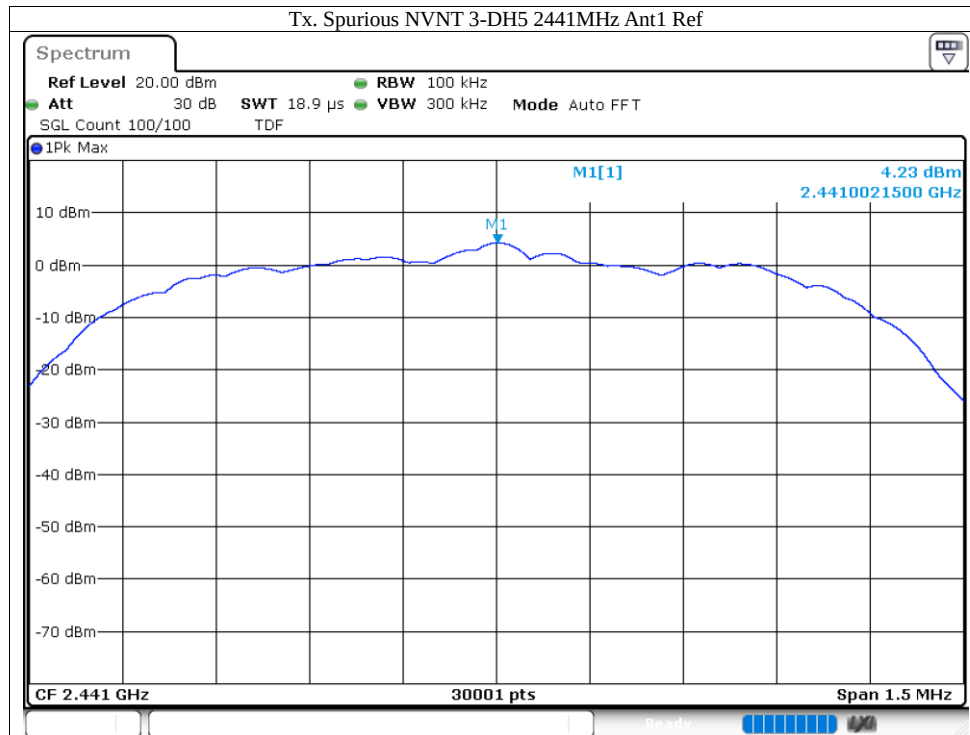


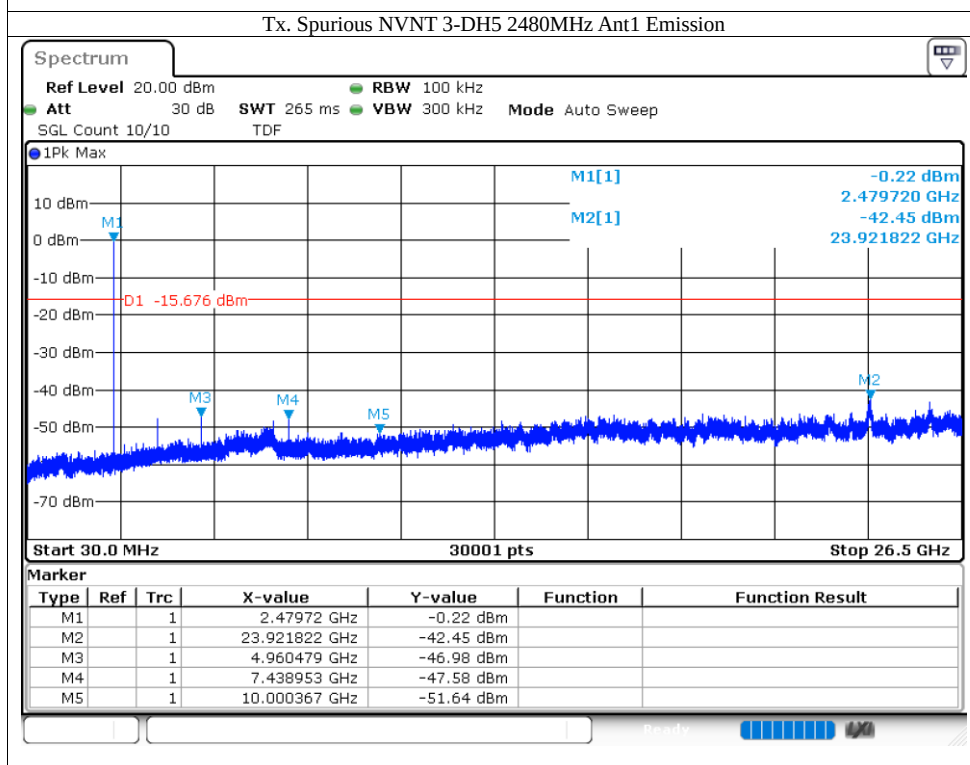
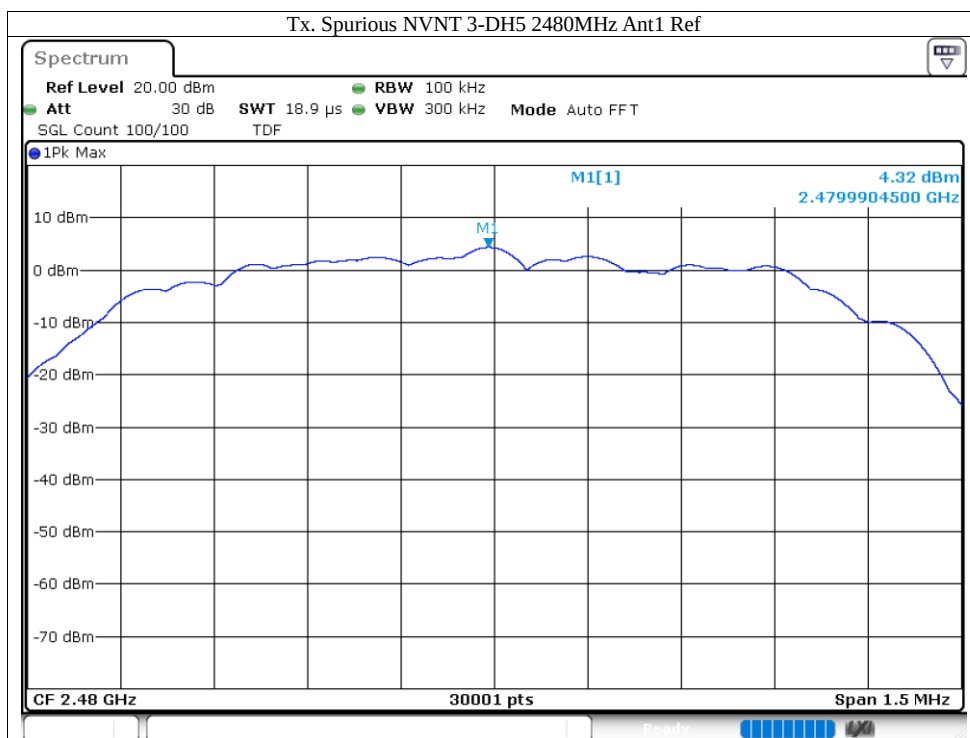












END OF REPORT