

## Table of Contents

|                                                   |    |
|---------------------------------------------------|----|
| 1. Duty Cycle .....                               | 2  |
| 2. -20dB Bandwidth .....                          | 4  |
| 3. 99% Occupied Bandwidth .....                   | 6  |
| 4. Peak Output Power .....                        | 8  |
| 5. Spurious Emissions .....                       | 10 |
| 6. Bandedge .....                                 | 13 |
| 7. Carrier Frequencies Separation (Hopping) ..... | 17 |
| 8. Number of Hopping Channel (Hopping) .....      | 19 |
| 9. Dwell Time (Hopping) .....                     | 20 |

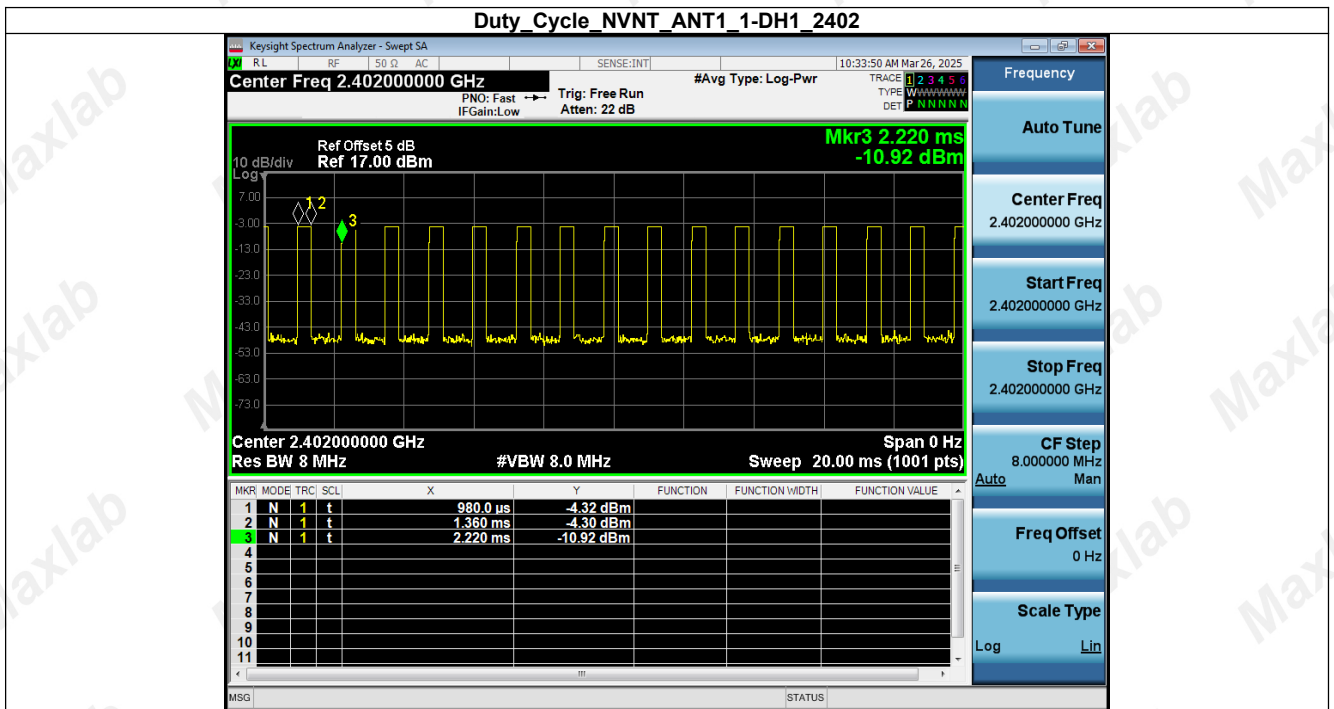
# Report No.: MAX250317110P01-R01

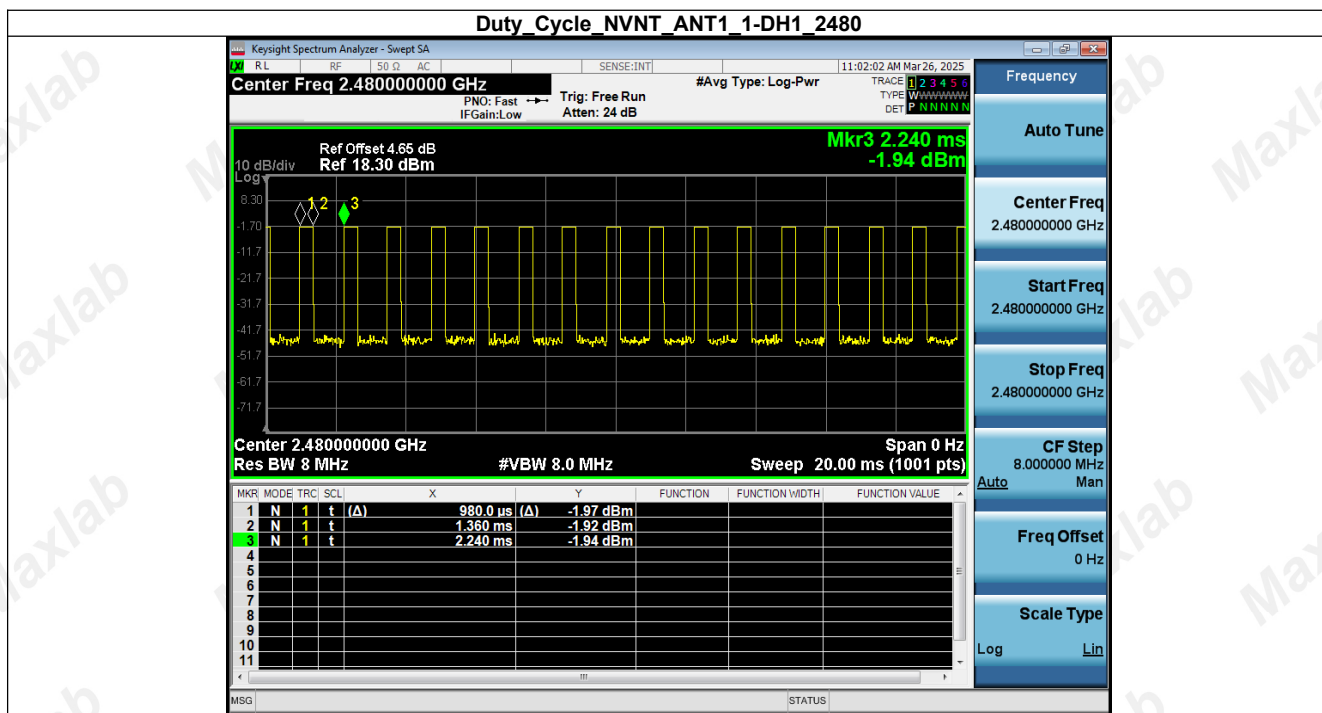
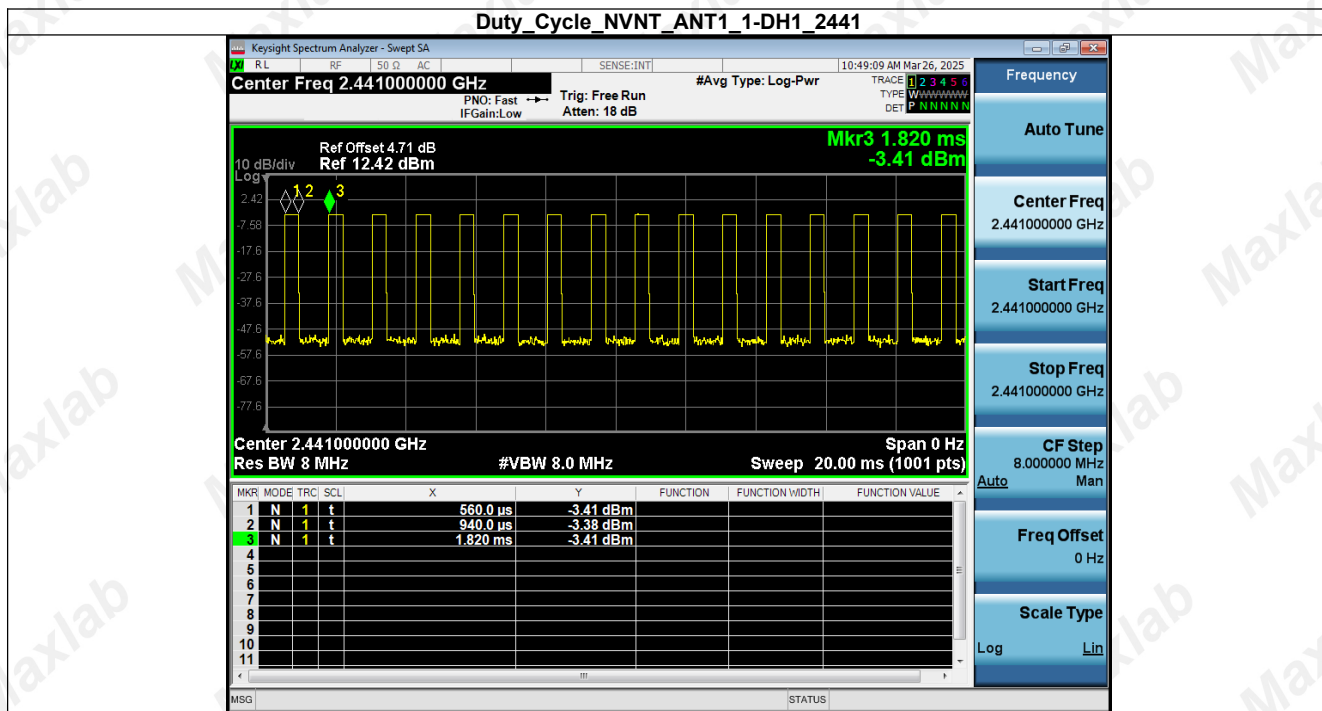
## FCC ID:2A95L-K9

### FCC ID 2.4FCC\_BT (Part15.247) Test Data

#### 1. Duty Cycle

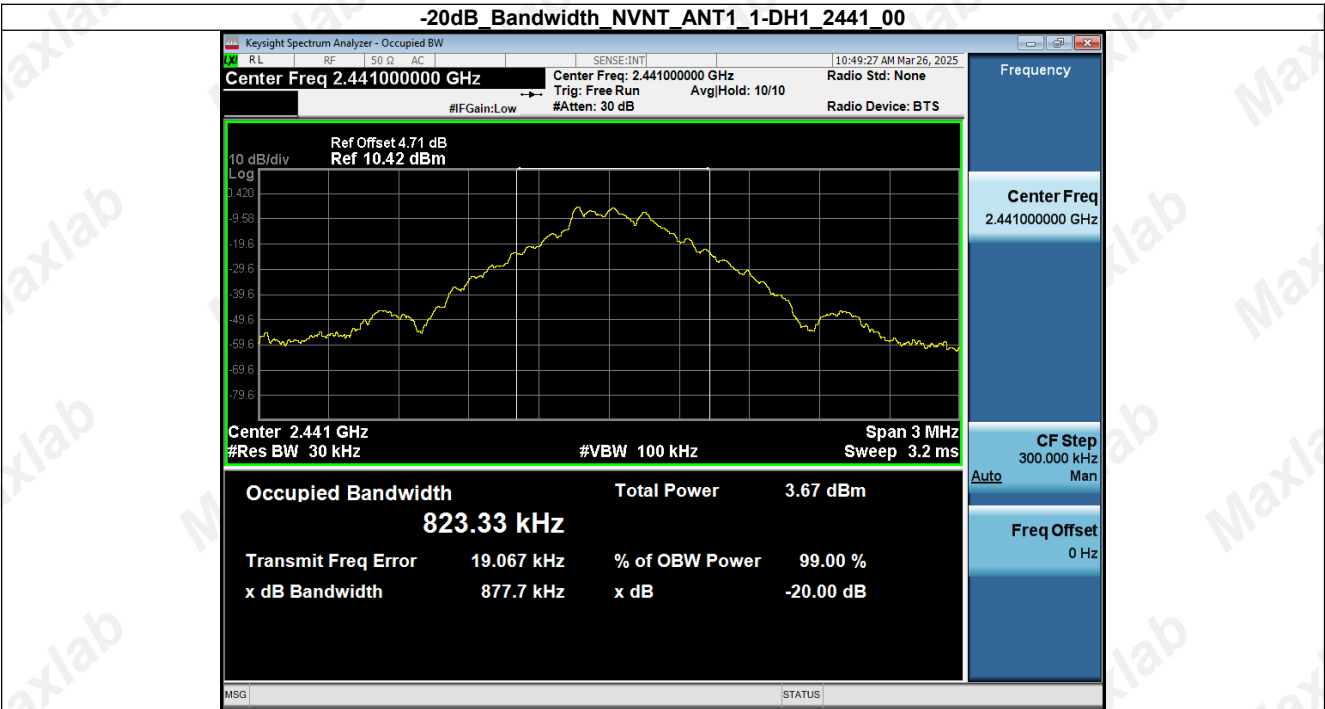
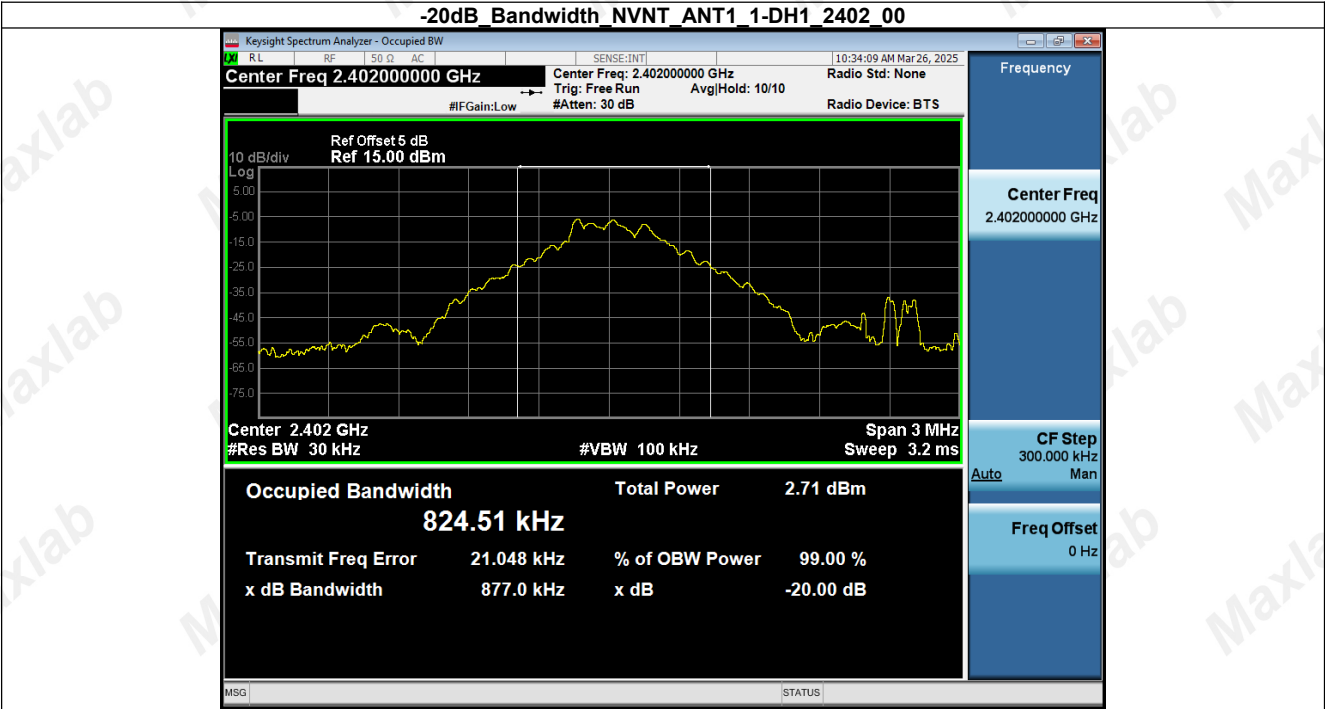
| Condition | Antenna | Rate  | Frequency (MHz) | Dutycycle(%) | Duty_factor |
|-----------|---------|-------|-----------------|--------------|-------------|
| NVNT      | ANT1    | 1-DH1 | 2402.00         | 32.26        | 4.91        |
| NVNT      | ANT1    | 1-DH1 | 2441.00         | 30.16        | 5.21        |
| NVNT      | ANT1    | 1-DH1 | 2480.00         | 31.75        | 4.98        |

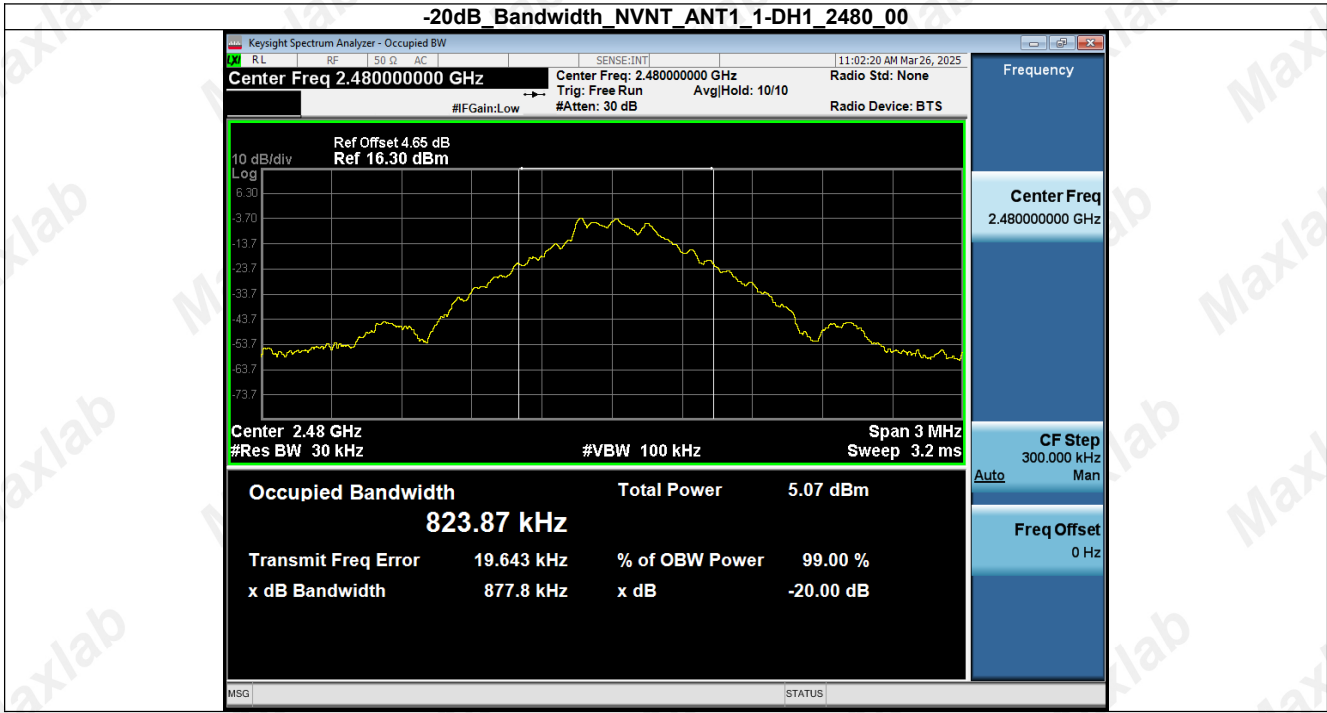




2. -20dB Bandwidth

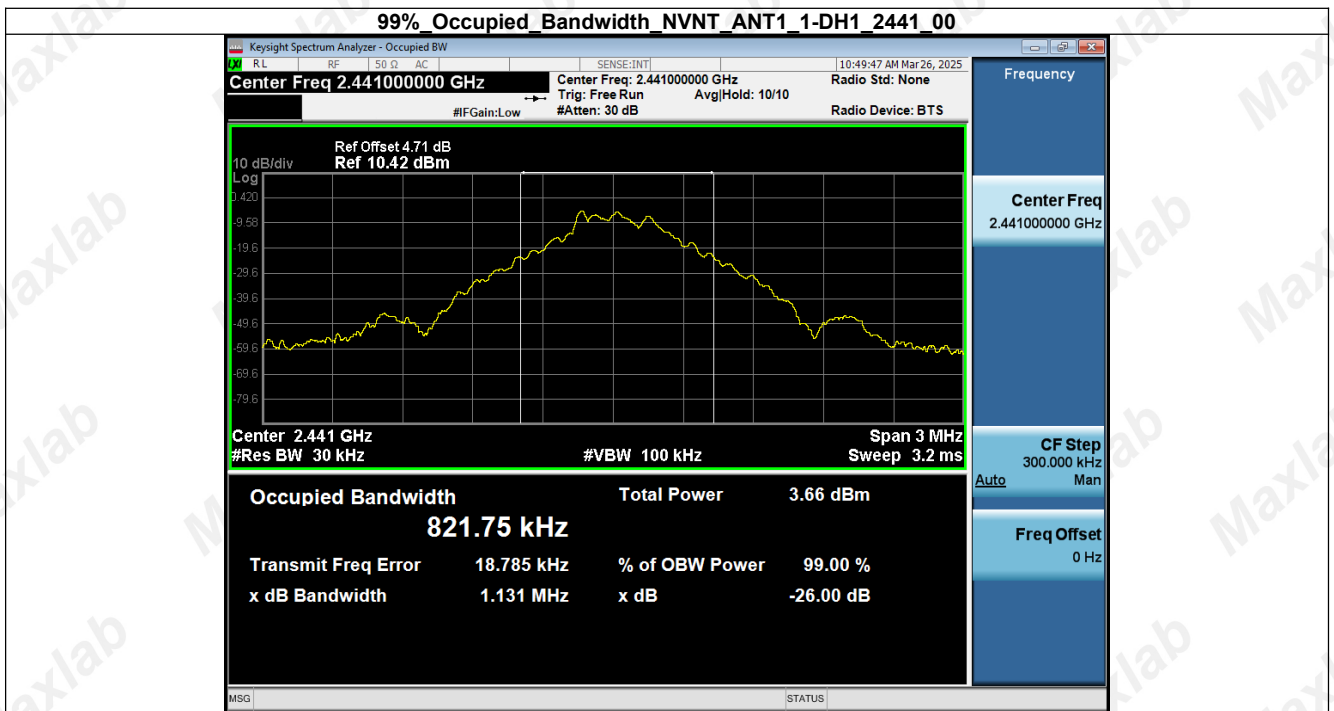
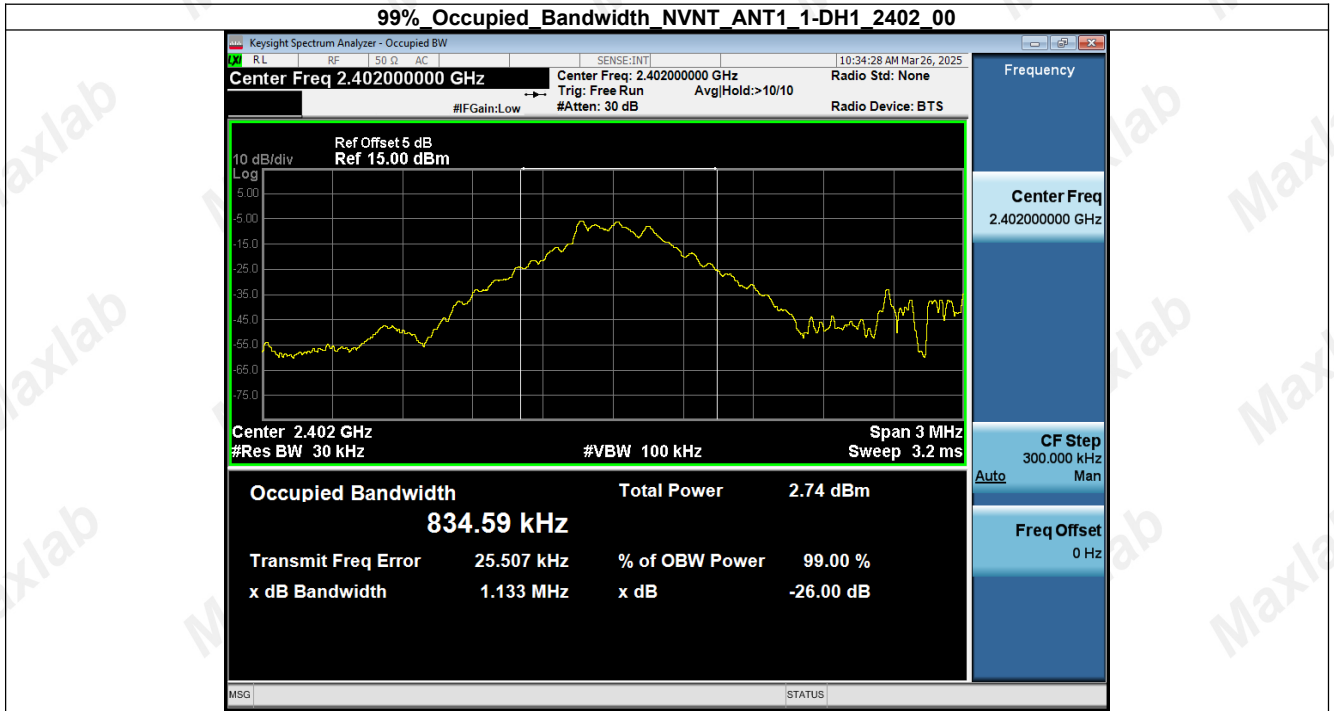
| Condition | Antenna | Modulation | Frequency (MHz) | -20dB BW(MHz) | if larger than CFS |
|-----------|---------|------------|-----------------|---------------|--------------------|
| NVNT      | ANT1    | 1-DH1      | 2402.00         | 0.877         | No                 |
| NVNT      | ANT1    | 1-DH1      | 2441.00         | 0.878         | No                 |
| NVNT      | ANT1    | 1-DH1      | 2480.00         | 0.878         | No                 |

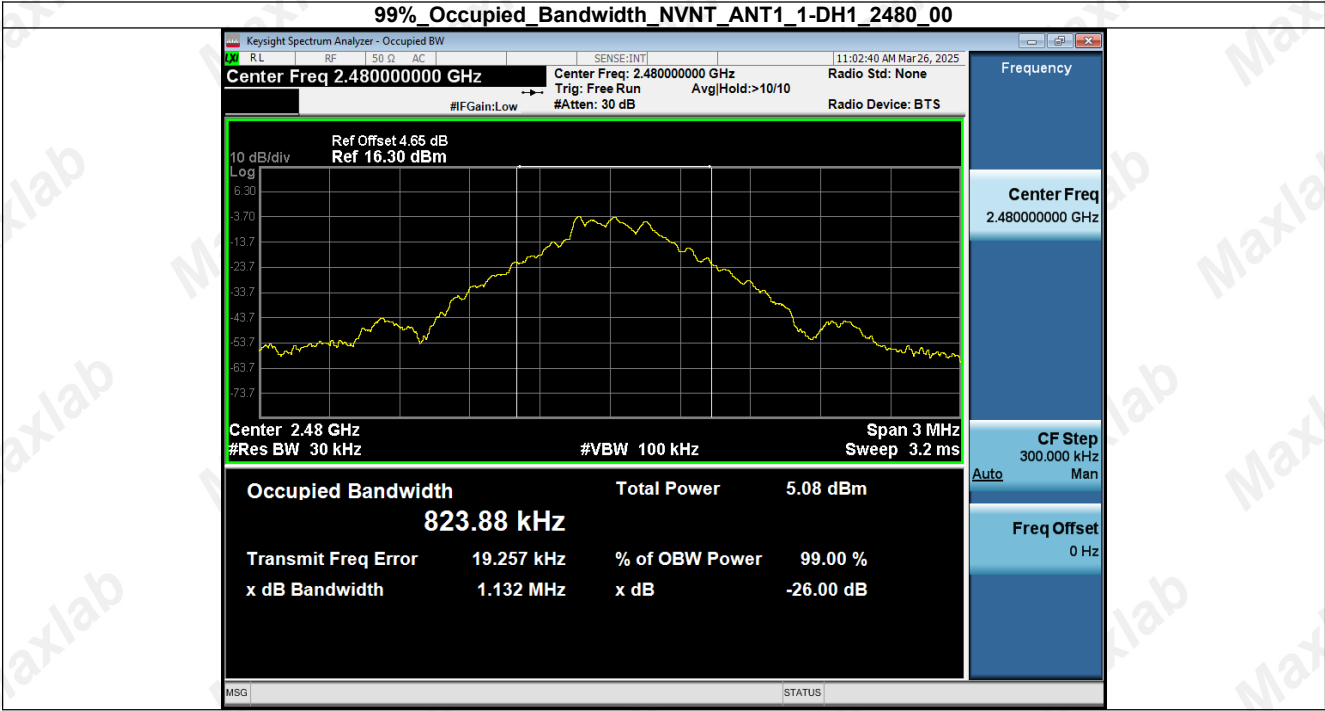




### 3. 99% Occupied Bandwidth

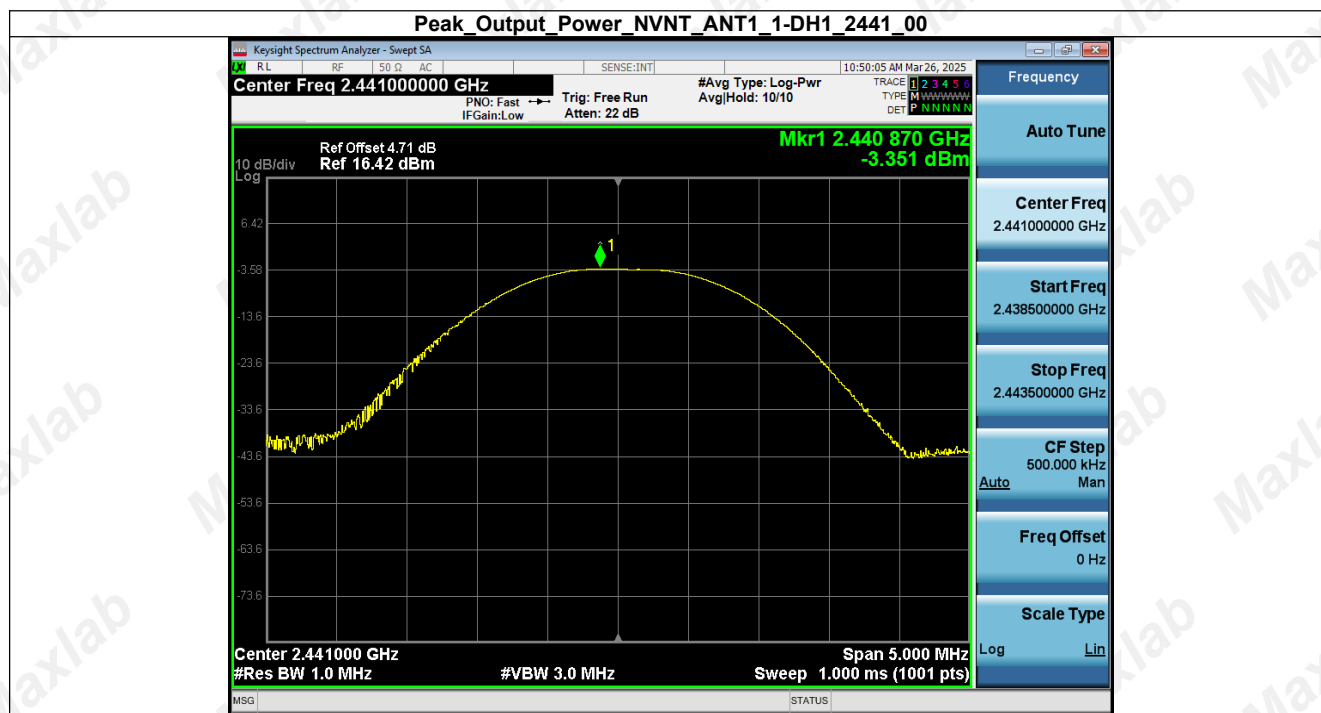
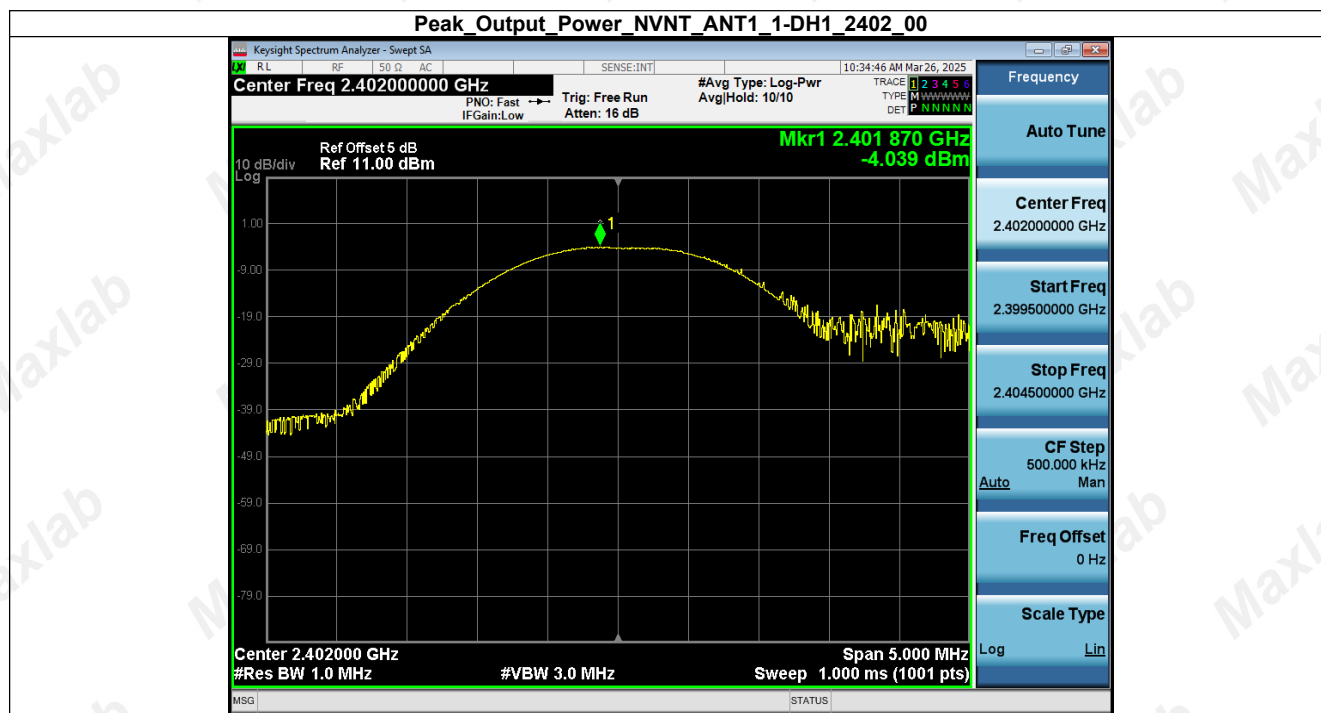
| Condition | Antenna | Modulation | Frequency (MHz) | 99% BW(MHz) |
|-----------|---------|------------|-----------------|-------------|
| NVNT      | ANT1    | 1-DH1      | 2402.00         | 0.835       |
| NVNT      | ANT1    | 1-DH1      | 2441.00         | 0.822       |
| NVNT      | ANT1    | 1-DH1      | 2480.00         | 0.824       |



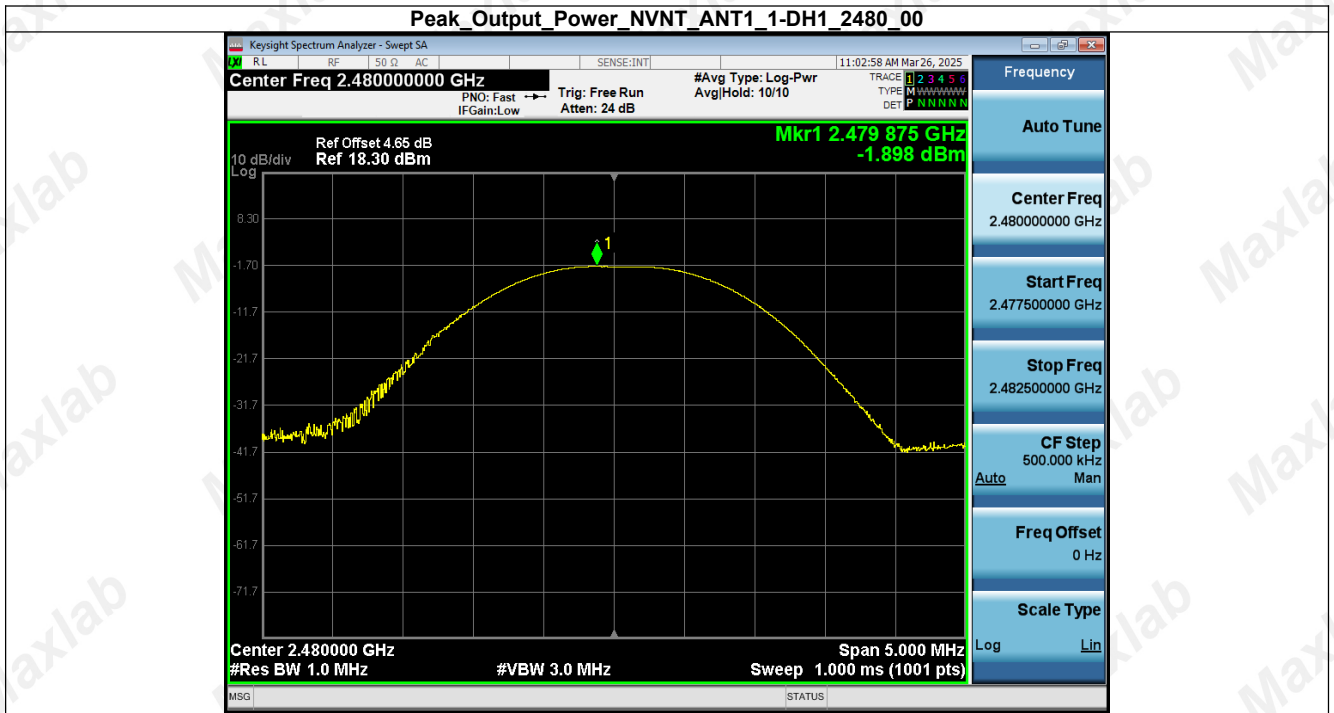


## 4. Peak Output Power

| Condition | Antenna | Modulation | Frequency (MHz) | Max. Conducted Power(dBm) | Max. Conducted Power(mW) | Limit(mW) | Result |
|-----------|---------|------------|-----------------|---------------------------|--------------------------|-----------|--------|
| NVNT      | ANT1    | 1-DH1      | 2402.00         | -4.04                     | 0.39                     | 1000      | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2441.00         | -3.35                     | 0.46                     | 1000      | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2480.00         | -1.90                     | 0.65                     | 1000      | Pass   |







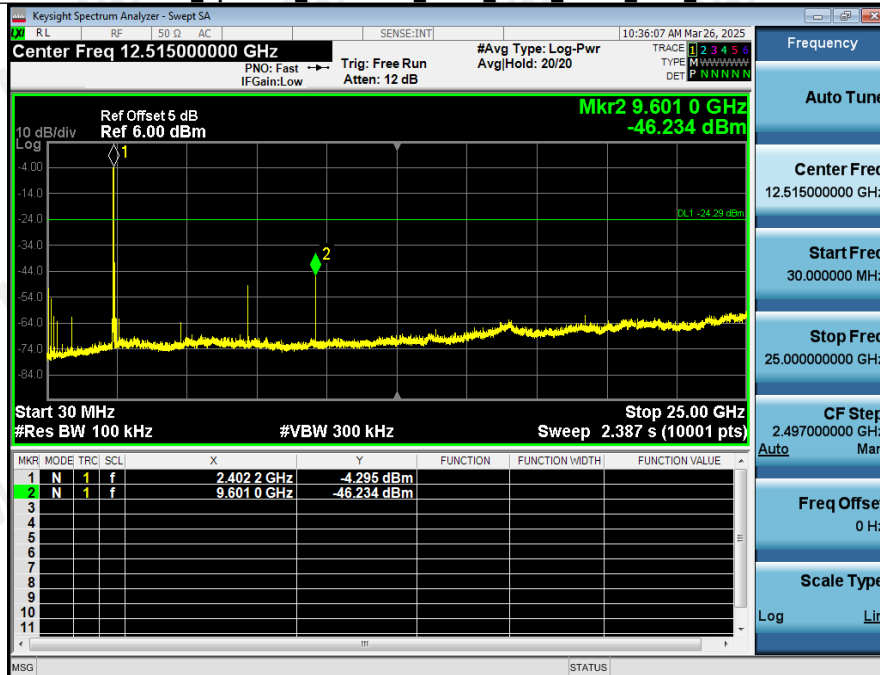
## 5. Spurious Emissions

| Condition | Antenna | Modulation | TX Mode | Ref_level(dBm) | Spurious MAX.Value(dBm) | Limit   | Result |
|-----------|---------|------------|---------|----------------|-------------------------|---------|--------|
| NVNT      | ANT1    | 1-DH1      | 2402.00 | -4.287         | -46.234                 | -24.287 | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2441.00 | -3.393         | -46.071                 | -23.393 | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2480.00 | -1.948         | -45.665                 | -21.948 | Pass   |

1\_Reference\_Level\_NVNT\_ANT1\_1-DH1\_2402\_00



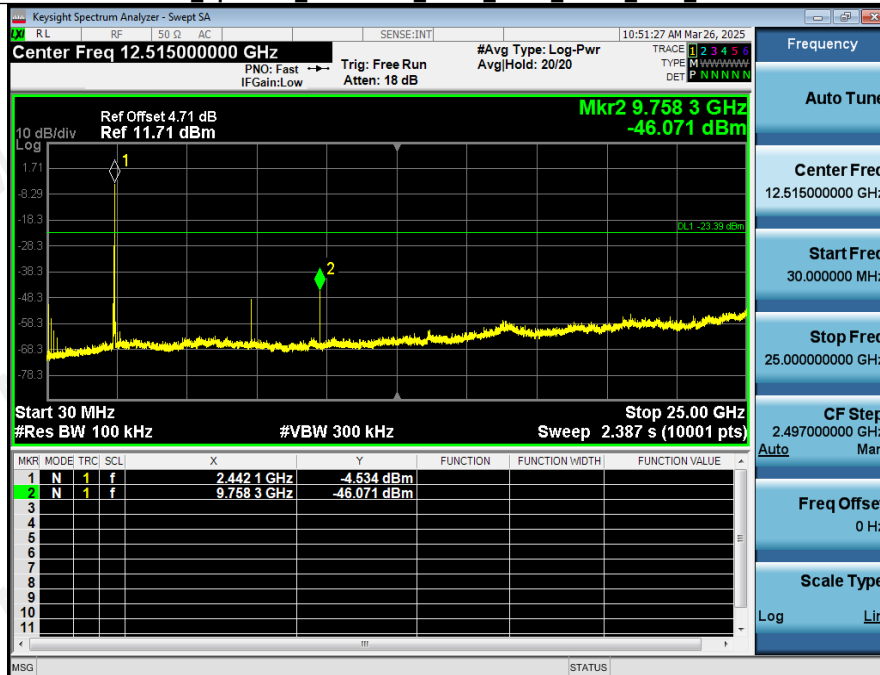
2\_Spurious\_Emissions\_NVNT\_ANT1\_1-DH1\_2402\_00



# 1 Reference\_Level\_NVNT\_ANT1\_1-DH1\_2441\_00



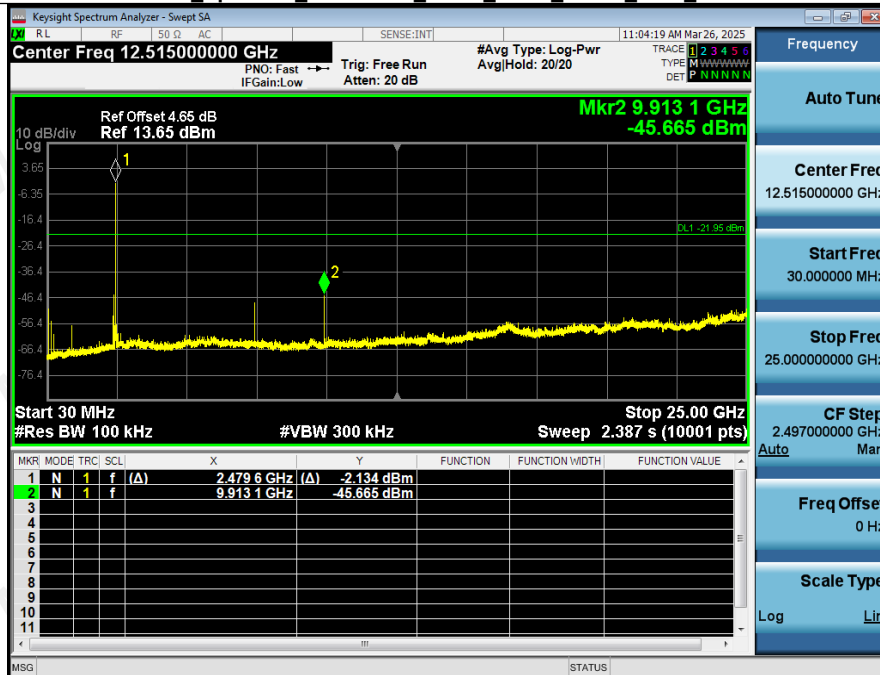
# 2 Spurious\_Emissions\_NVNT\_ANT1\_1-DH1\_2441\_00



# 1 Reference\_Level\_NVNT\_ANT1\_1-DH1\_2480\_00



# 2 Spurious\_Emissions\_NVNT\_ANT1\_1-DH1\_2480\_00



6. Bandedge

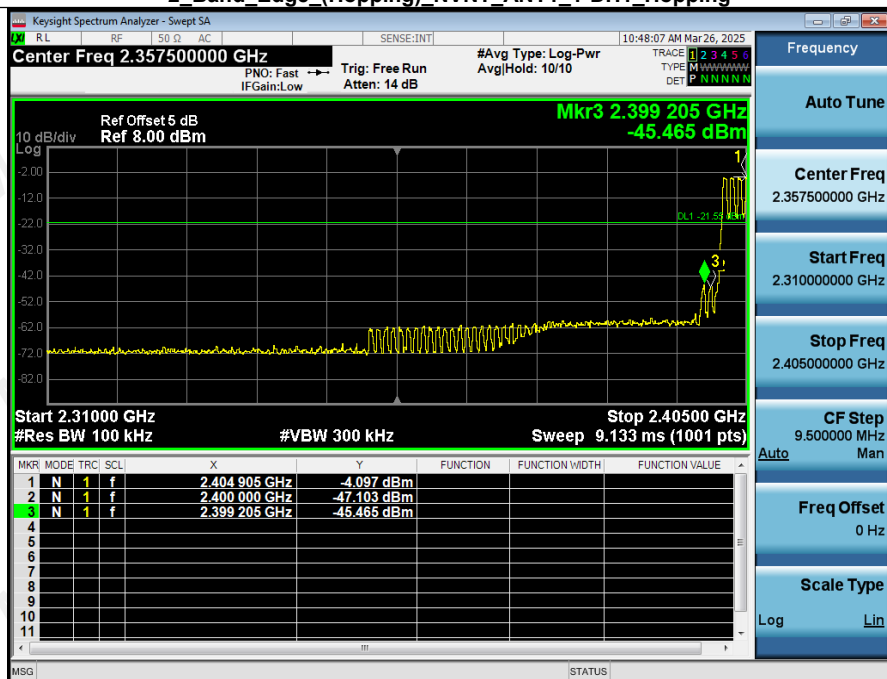
| Condition | Antenna | Modulation | TX Mode     | Ref_level(dBm) | Bandedge MAX.Value | Limit   | Result |
|-----------|---------|------------|-------------|----------------|--------------------|---------|--------|
| NVNT      | ANT1    | 1-DH1      | 2402.00     | -4.287         | -45.781            | -24.287 | Pass   |
| NVNT      | ANT1    | 1-DH1      | Hopping_LCH | -1.545         | -45.465            | -21.545 | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2480.00     | -1.948         | -45.016            | -21.948 | Pass   |
| NVNT      | ANT1    | 1-DH1      | Hopping_HCH | -1.908         | -45.041            | -21.908 | Pass   |



## 1 Reference\_Level\_Hopping\_NVNT\_ANT1\_1-DH1\_Hopping



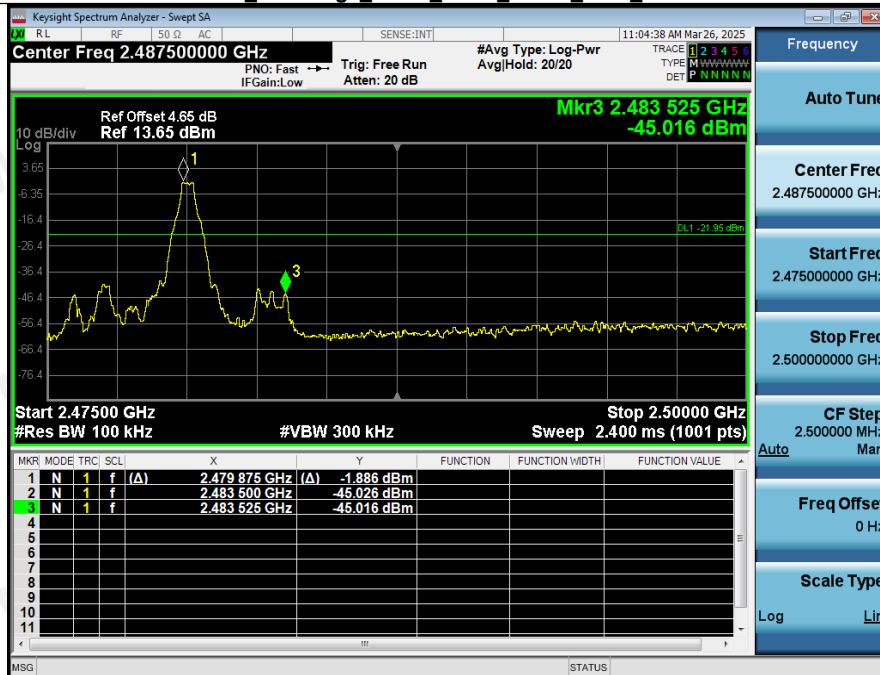
## 2 Band\_Edge\_(Hopping)\_NVNT\_ANT1\_1-DH1\_Hopping



# 1 Reference\_Level\_NVNT\_ANT1\_1-DH1\_2480\_00

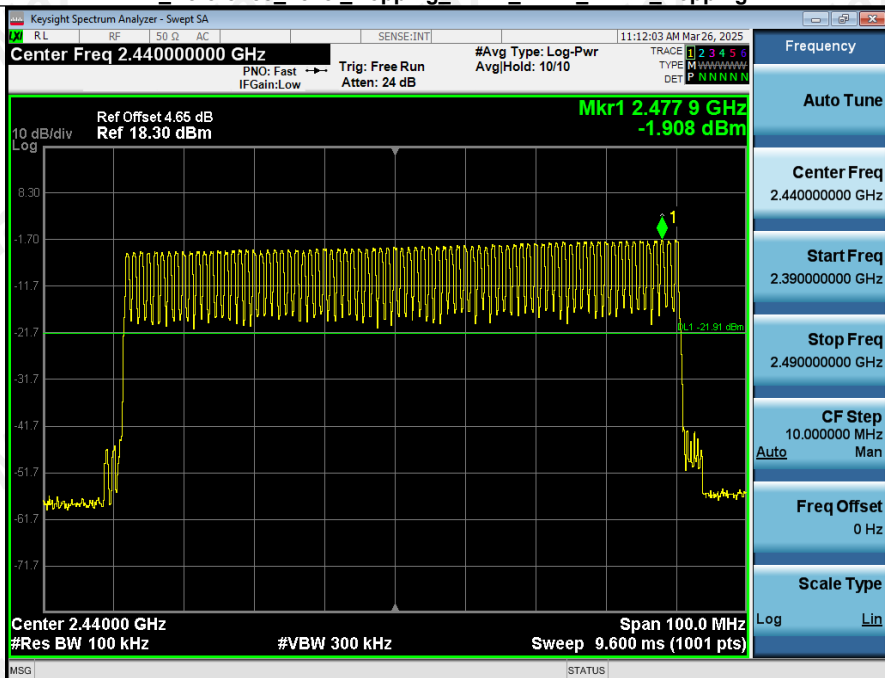


# 2 Bandedge\_NVNT\_ANT1\_1-DH1\_2480\_00

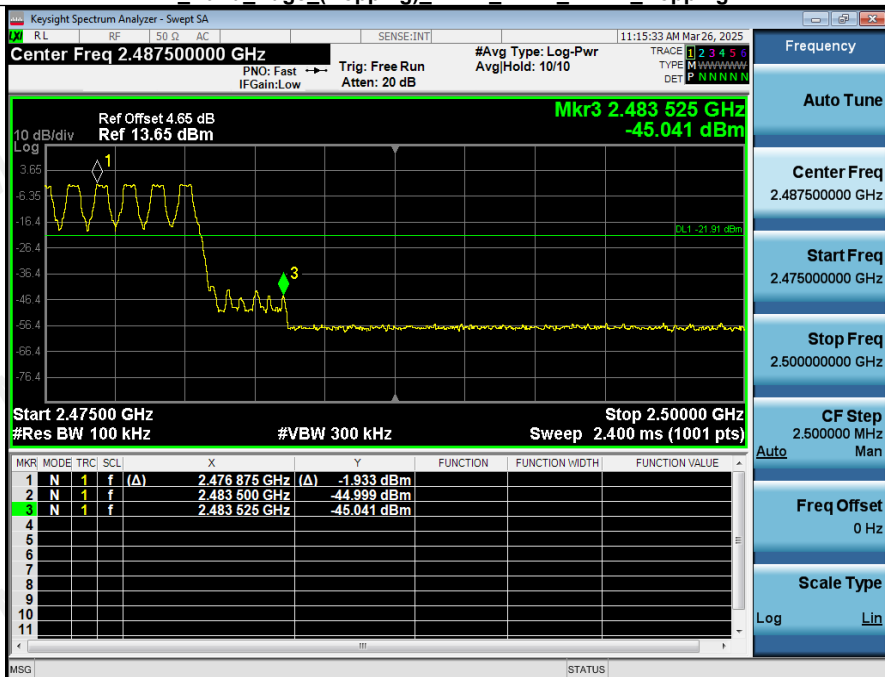




## 1 Reference Level Hopping NVNT ANT1 1-DH1 Hopping



## 2 Band Edge (Hopping) NVNT ANT1 1-DH1 Hopping

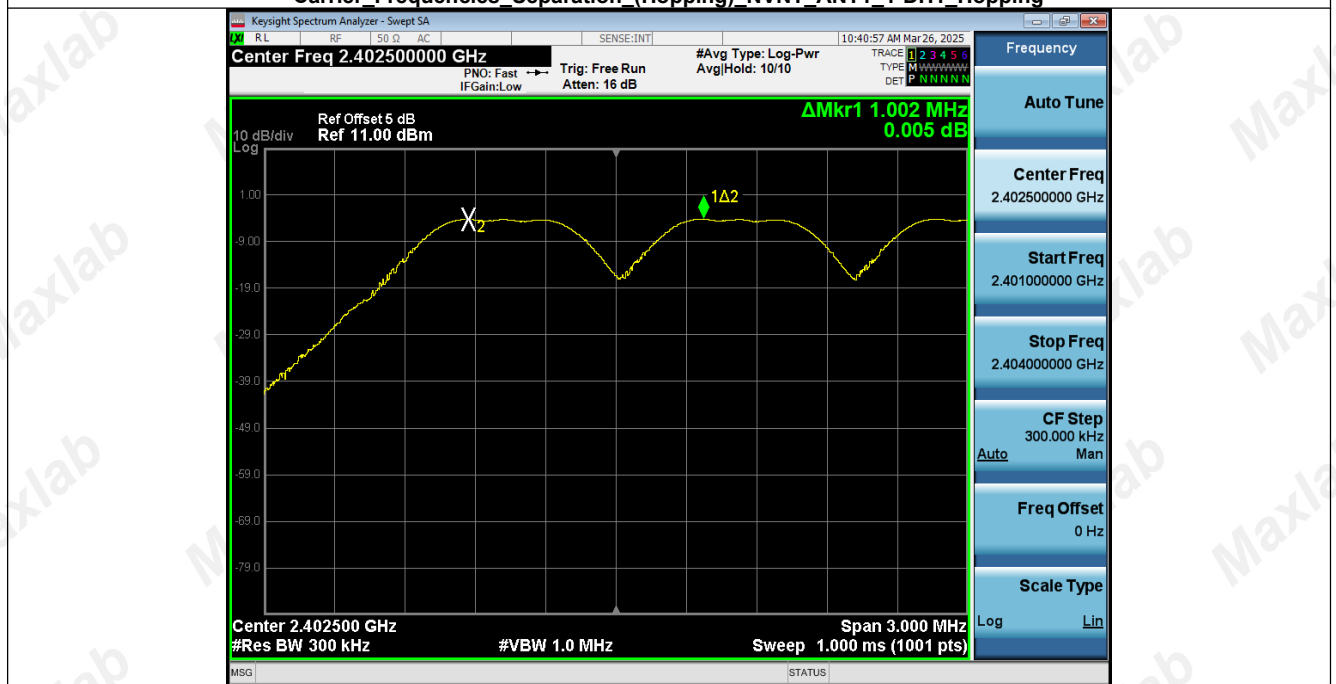




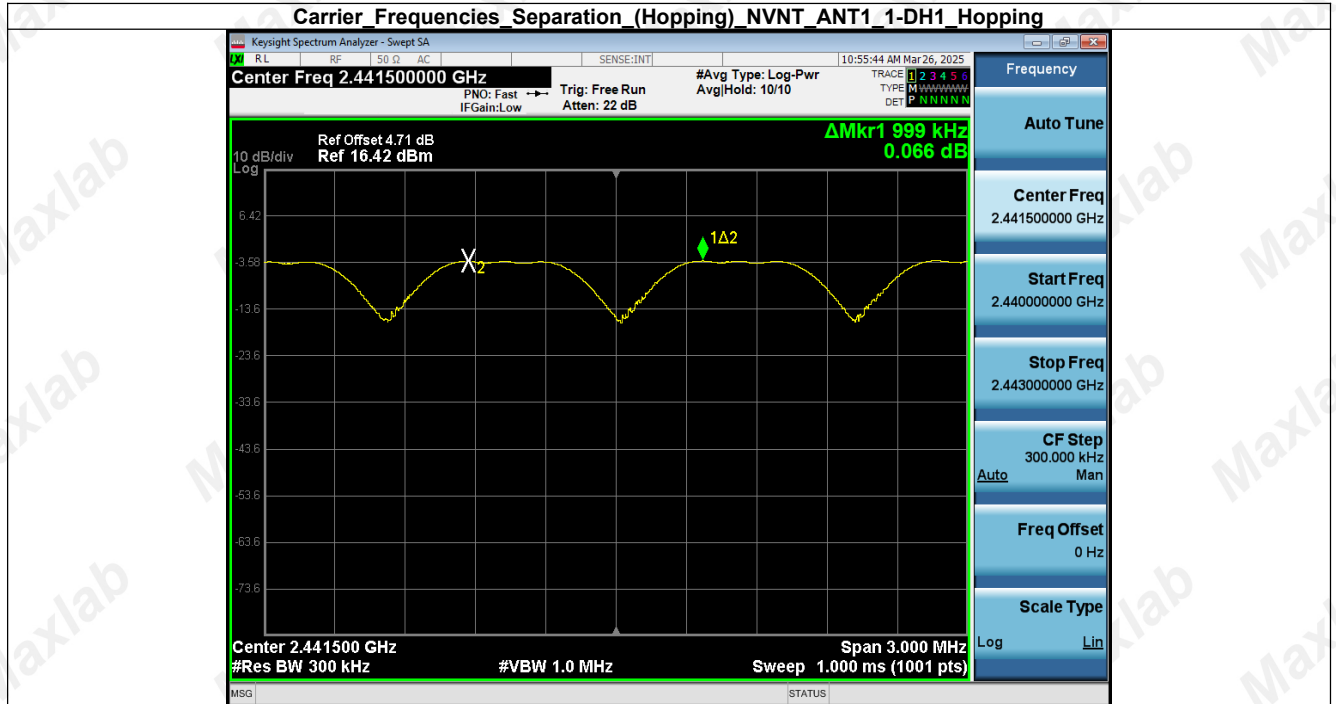
## 7. Carrier Frequencies Separation (Hopping)

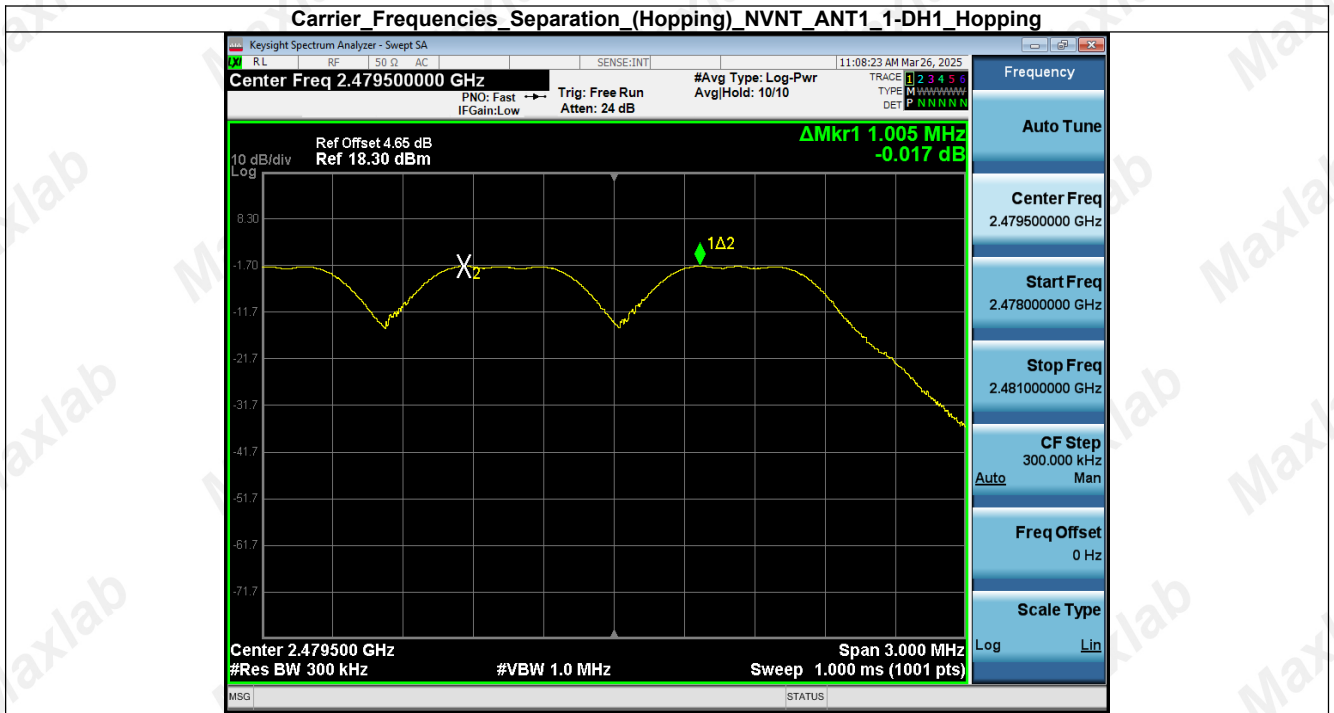
| Condition | Antenna | Modulation | Frequency(MHz) | Hopping NO.0 (MHz) | Hopping NO.1 (MHz) | Carrier Frequencies Separation(MHz) | Limit(MHz) | Result |
|-----------|---------|------------|----------------|--------------------|--------------------|-------------------------------------|------------|--------|
| NVNT      | ANT1    | 1-DH1      | 2402.00        | 2401.870           | 2402.872           | 1.00                                | 0.877      | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2441.00        | 2440.870           | 2441.869           | 1.00                                | 0.878      | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2480.00        | 2478.861           | 2479.866           | 1.00                                | 0.878      | Pass   |

Carrier\_Frequencies\_Separation\_(Hopping)\_NVNT\_ANT1\_1-DH1\_Hopping



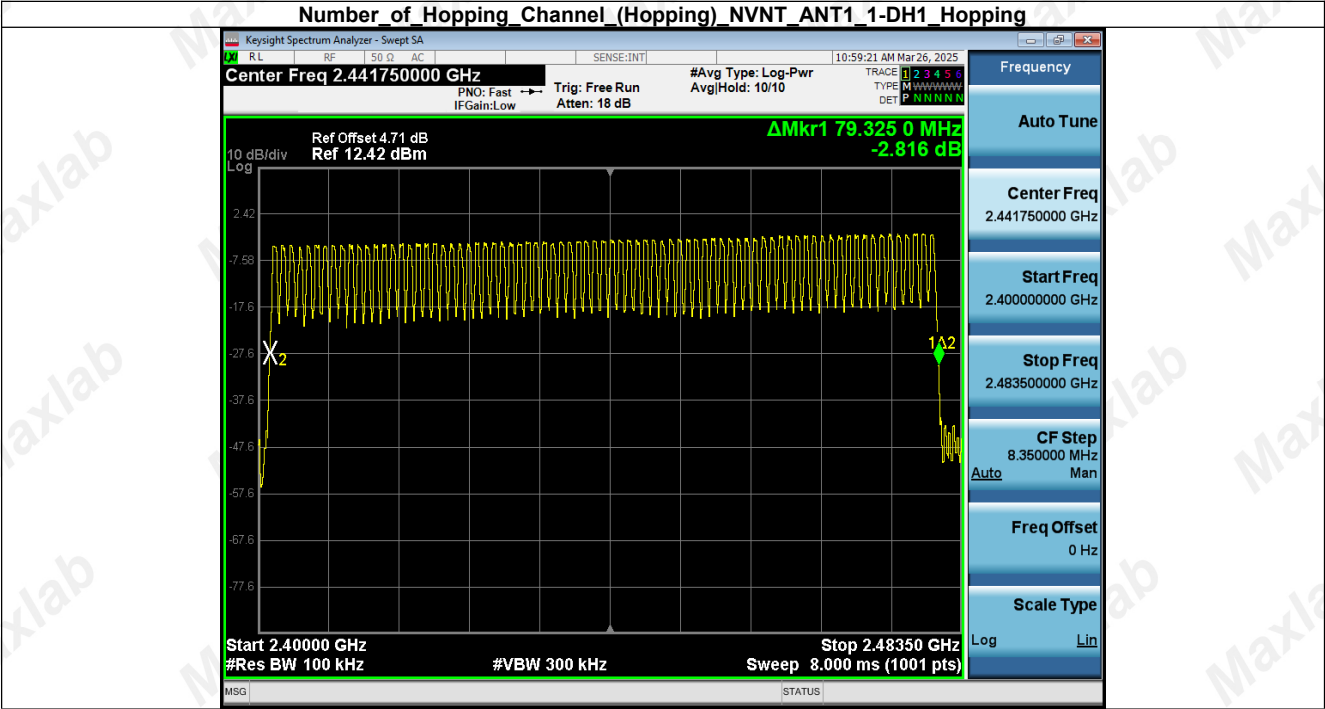
Carrier\_Frequencies\_Separation\_(Hopping)\_NVNT\_ANT1\_1-DH1\_Hopping





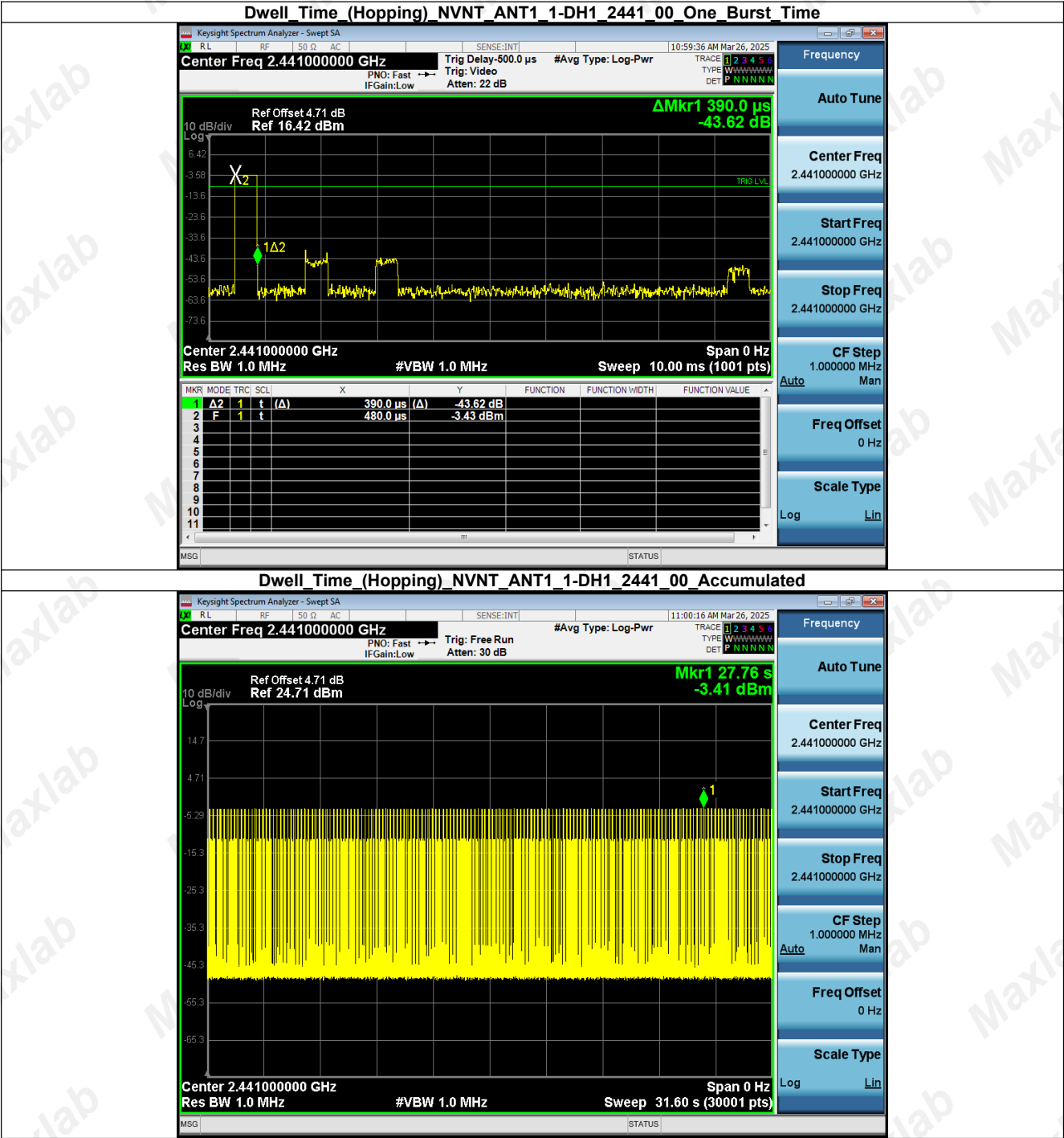
8. Number of Hopping Channel (Hopping)

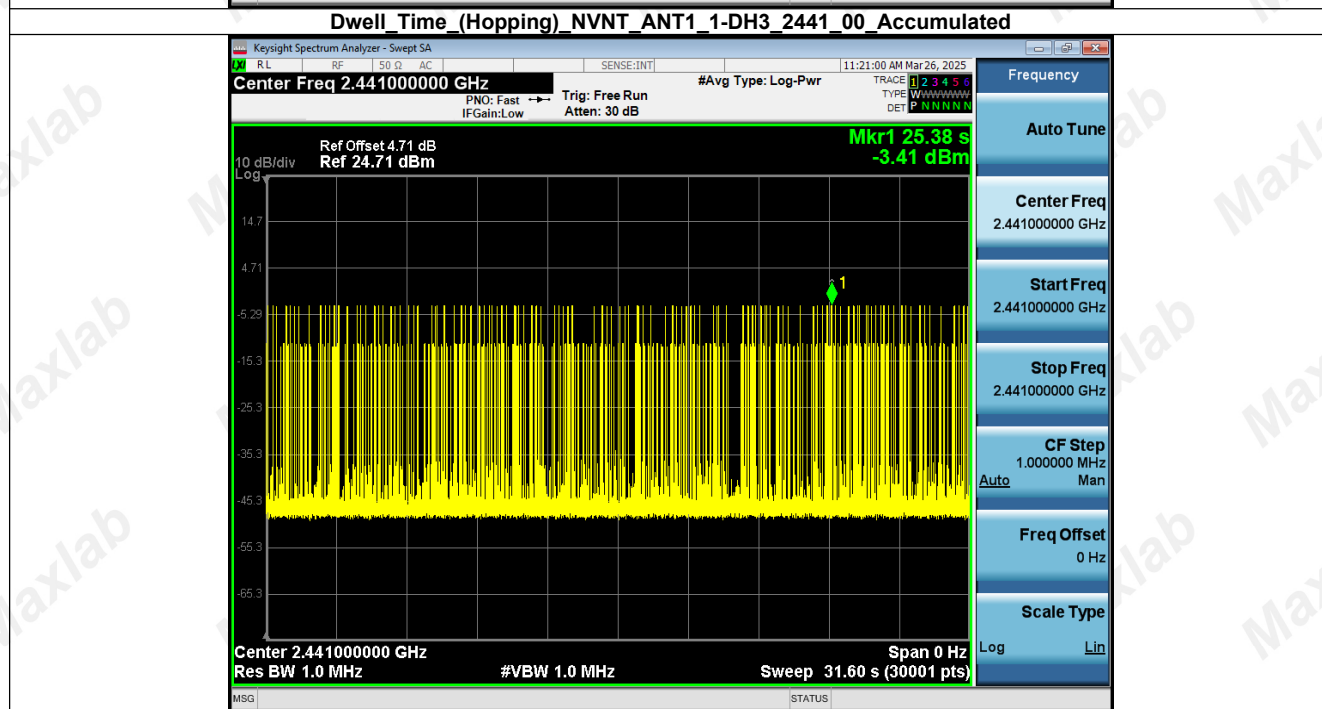
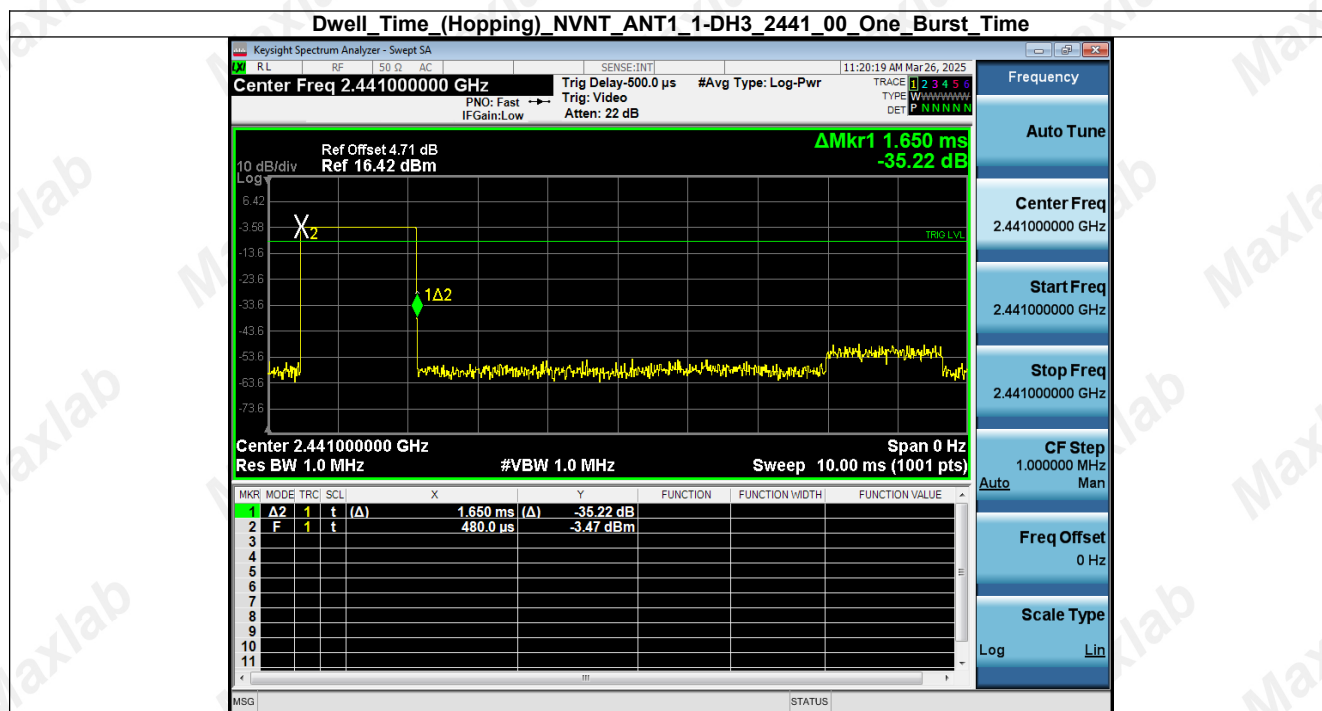
| Condition | Antenna | Modulation | Hopping Num | Limit | Result |
|-----------|---------|------------|-------------|-------|--------|
| NVNT      | ANT1    | 1-DH1      | 79          | 15    | Pass   |



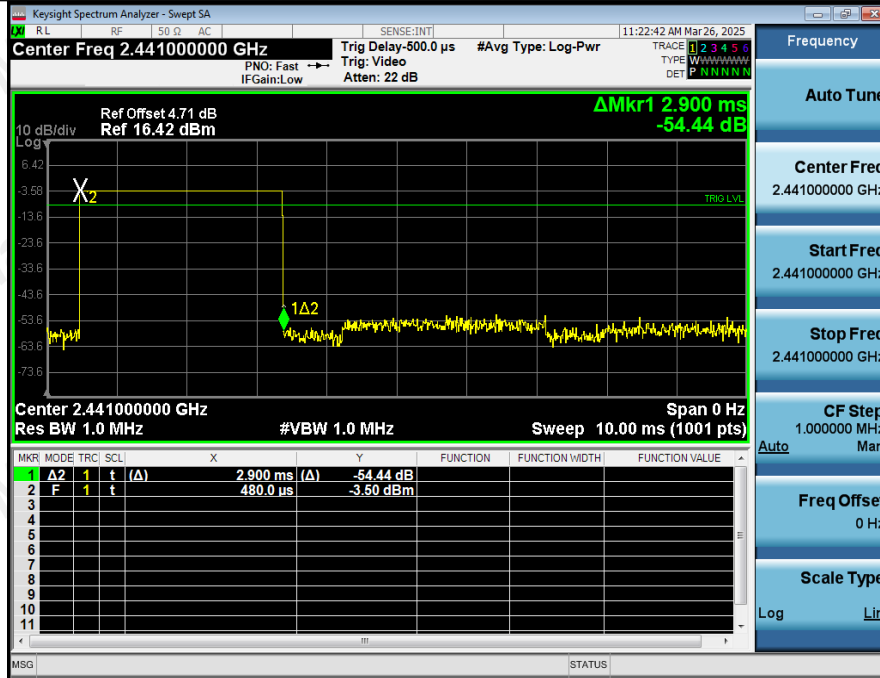
9. Dwell Time (Hopping)

| Condition | Antenna | Packet Type | Pulse Time(ms) | Hops   | Dwell Time(ms) | Limit(s) | Result |
|-----------|---------|-------------|----------------|--------|----------------|----------|--------|
| NVNT      | ANT1    | 1-DH1       | 0.390          | 319.00 | 124.410        | 0.40     | Pass   |
| NVNT      | ANT1    | 1-DH3       | 1.650          | 155.00 | 255.750        | 0.40     | Pass   |
| NVNT      | ANT1    | 1-DH5       | 2.900          | 110.00 | 319.000        | 0.40     | Pass   |





# Dwell Time (Hopping) NVNT\_ANT1\_1-DH5\_2441\_00\_One Burst Time



# Dwell Time (Hopping) NVNT\_ANT1\_1-DH5\_2441\_00\_Accumulated

