



MAXLAB Testing Co.,Ltd.

Report No.: MAX250220110P01-R01

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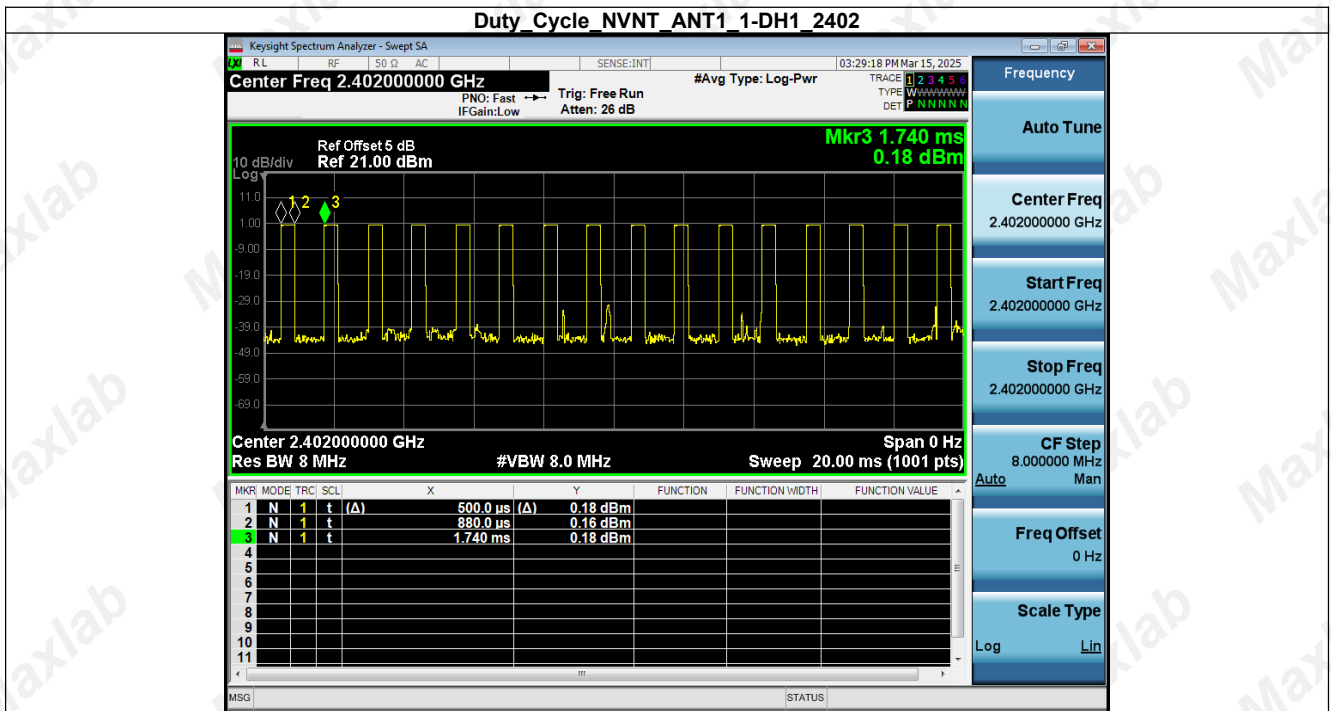
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FCC ID: 2BN8A-U01

FCC (Part15.247) Test Data

## 1. Duty Cycle

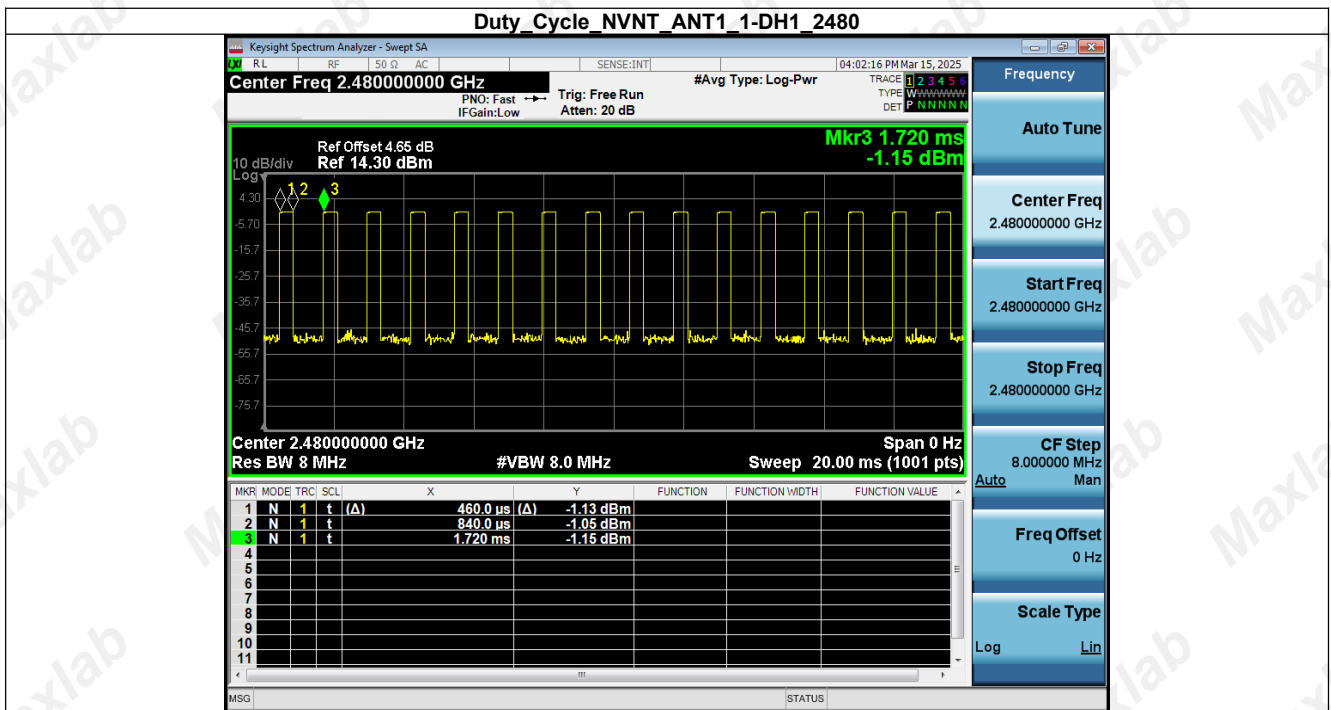
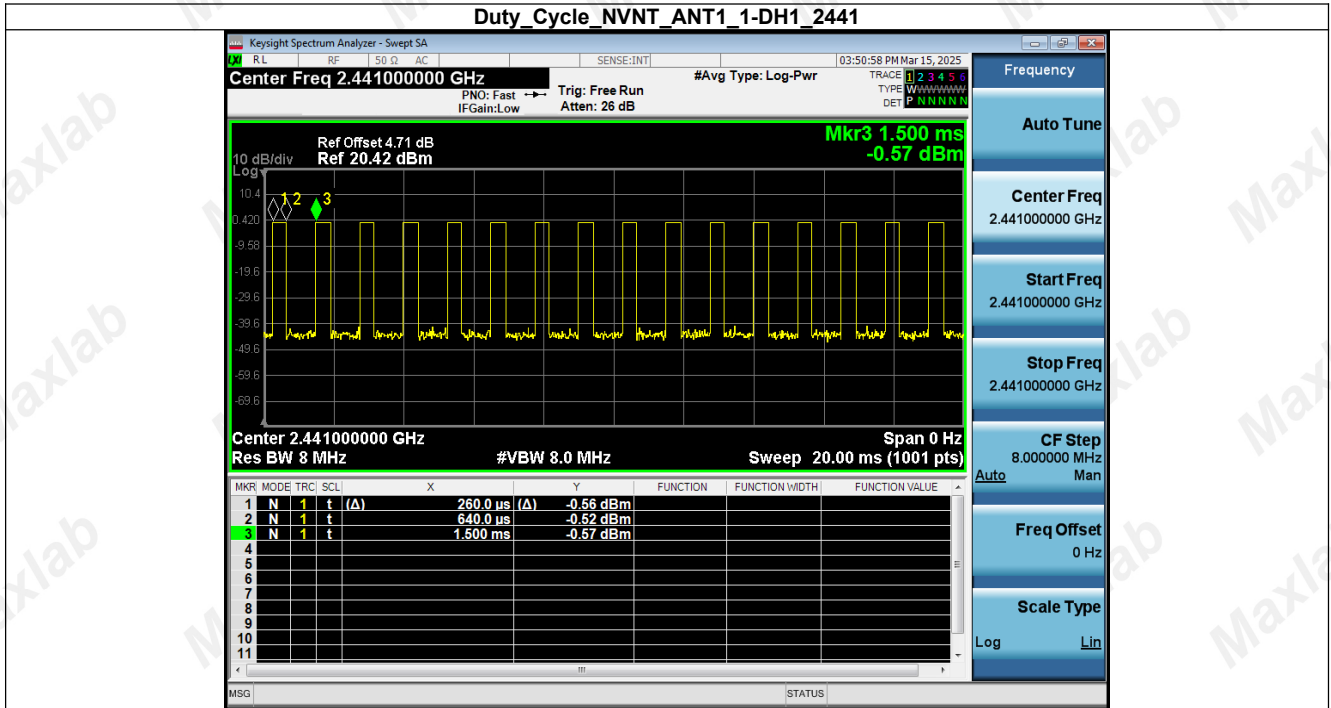
| Condition | Antenna | Rate  | Frequency (MHz) | Dutycycle(%) | Duty_factor |
|-----------|---------|-------|-----------------|--------------|-------------|
| NVNT      | ANT1    | 1-DH1 | 2402.00         | 30.65        | 5.14        |
| NVNT      | ANT1    | 1-DH1 | 2441.00         | 30.65        | 5.14        |
| NVNT      | ANT1    | 1-DH1 | 2480.00         | 30.16        | 5.21        |





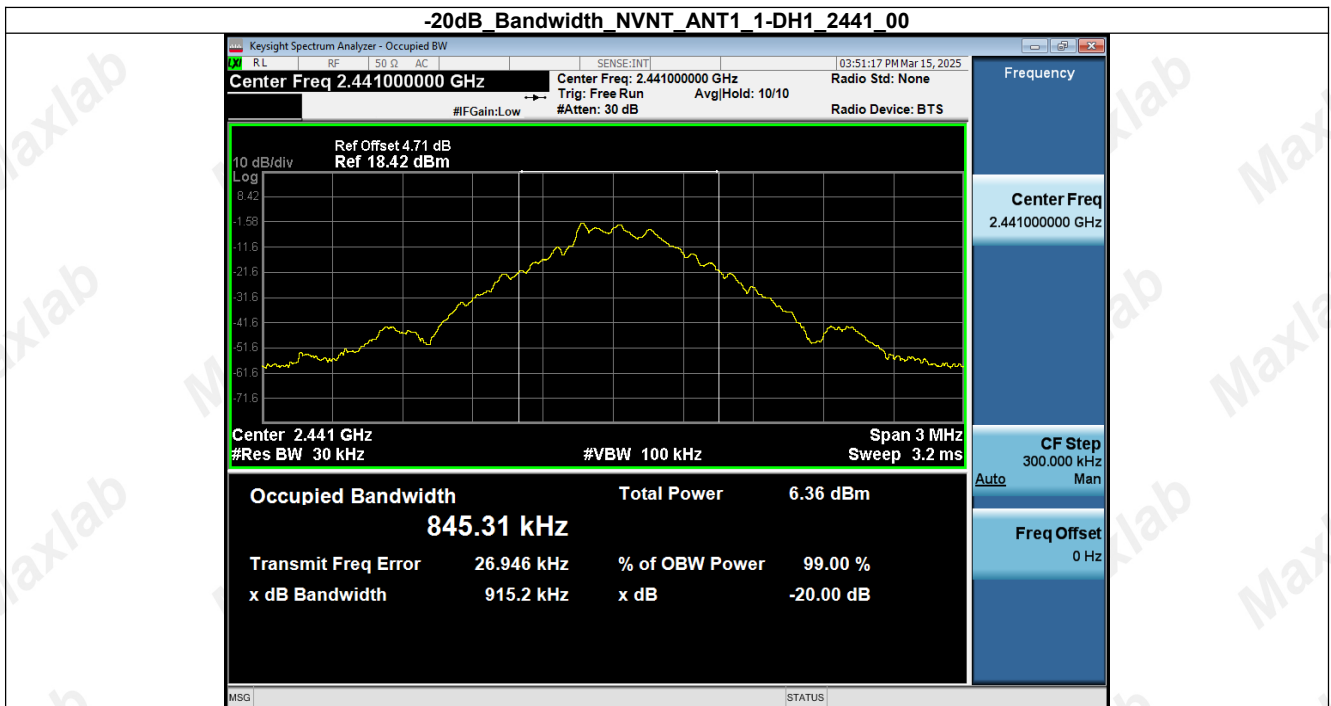
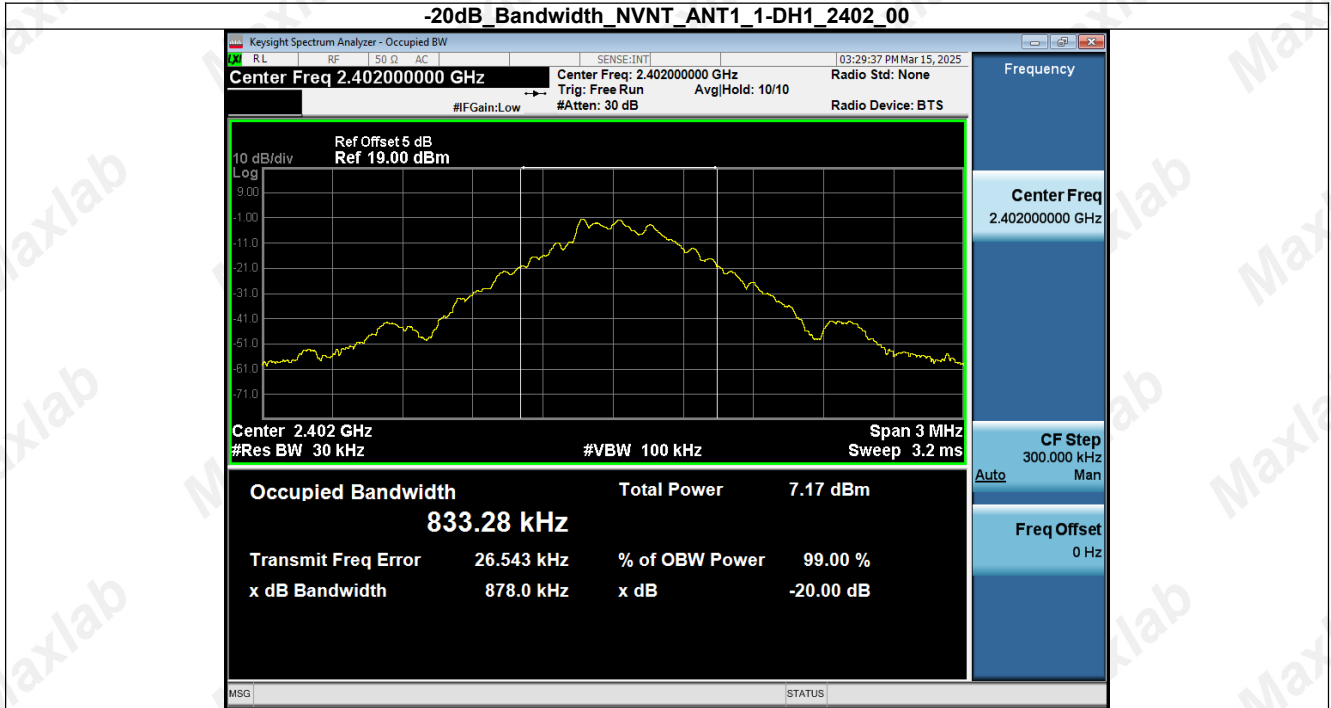
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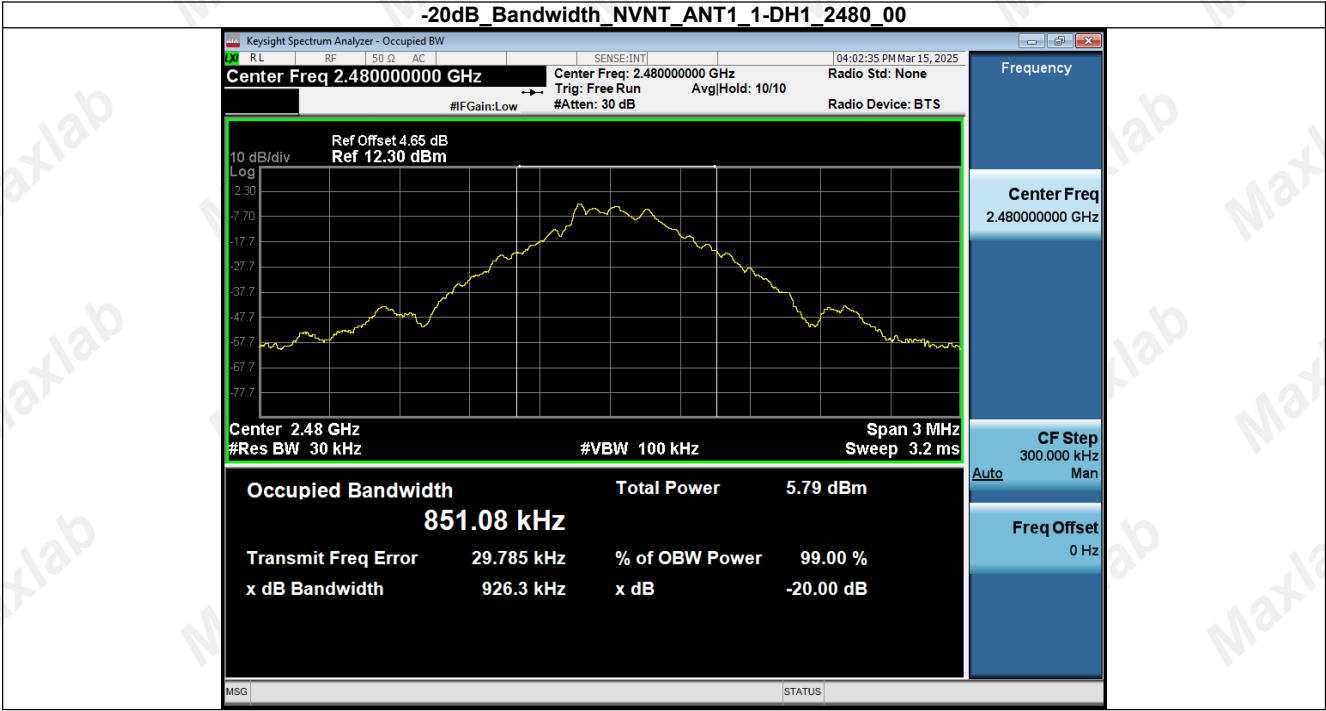
Report No.: MAX250220110P01-R01



## 2. -20dB Bandwidth

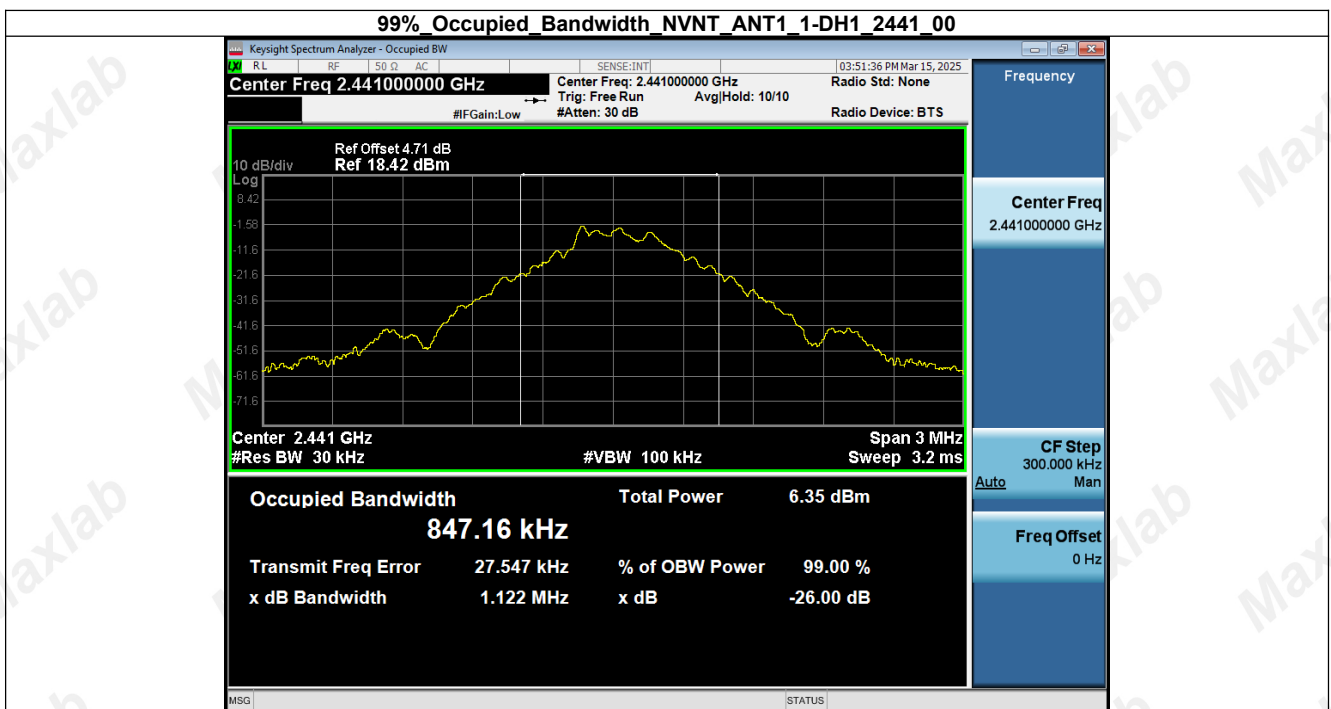
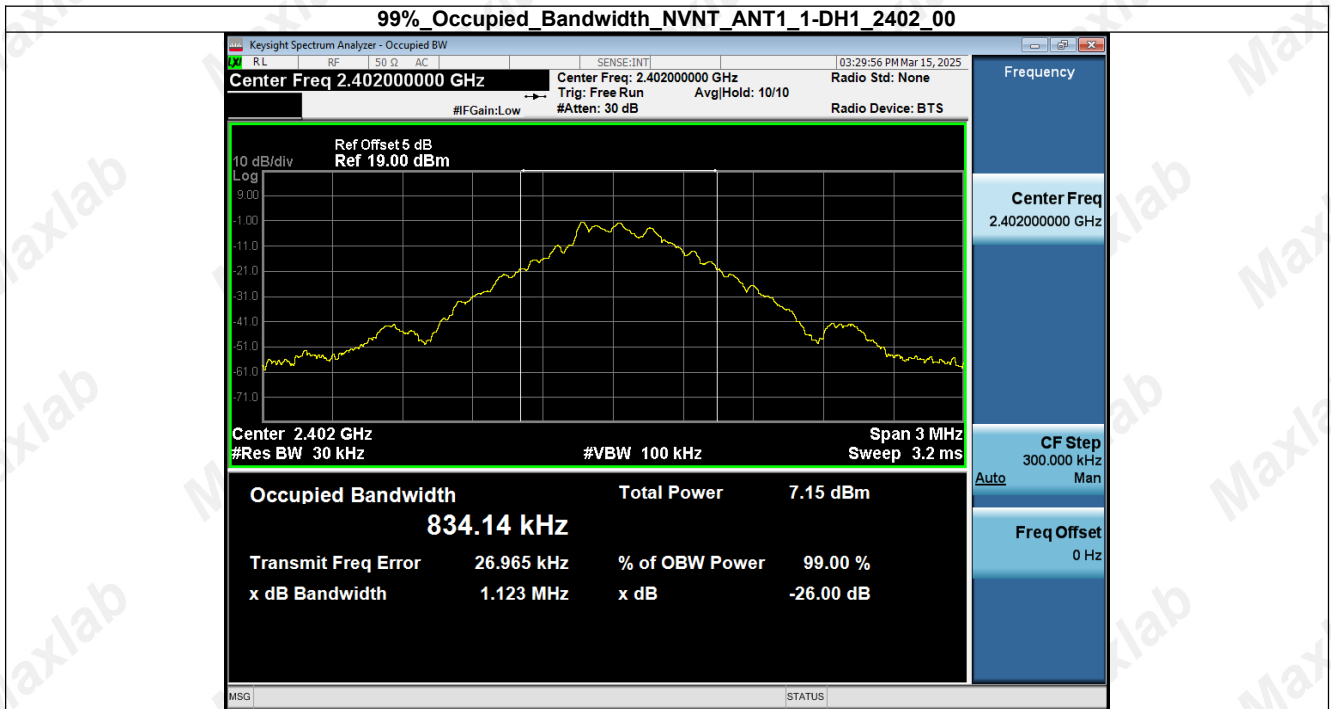
| Condition | Antenna | Modulation | Frequency (MHz) | -20dB BW(MHz) | if larger than CFS |
|-----------|---------|------------|-----------------|---------------|--------------------|
| NVNT      | ANT1    | 1-DH1      | 2402.00         | 0.878         | No                 |
| NVNT      | ANT1    | 1-DH1      | 2441.00         | 0.915         | No                 |
| NVNT      | ANT1    | 1-DH1      | 2480.00         | 0.926         | No                 |





### 3. 99% Occupied Bandwidth

| Condition | Antenna | Modulation | Frequency (MHz) | 99%%BW(MHz) |
|-----------|---------|------------|-----------------|-------------|
| NVNT      | ANT1    | 1-DH1      | 2402.00         | 0.834       |
| NVNT      | ANT1    | 1-DH1      | 2441.00         | 0.847       |
| NVNT      | ANT1    | 1-DH1      | 2480.00         | 0.852       |





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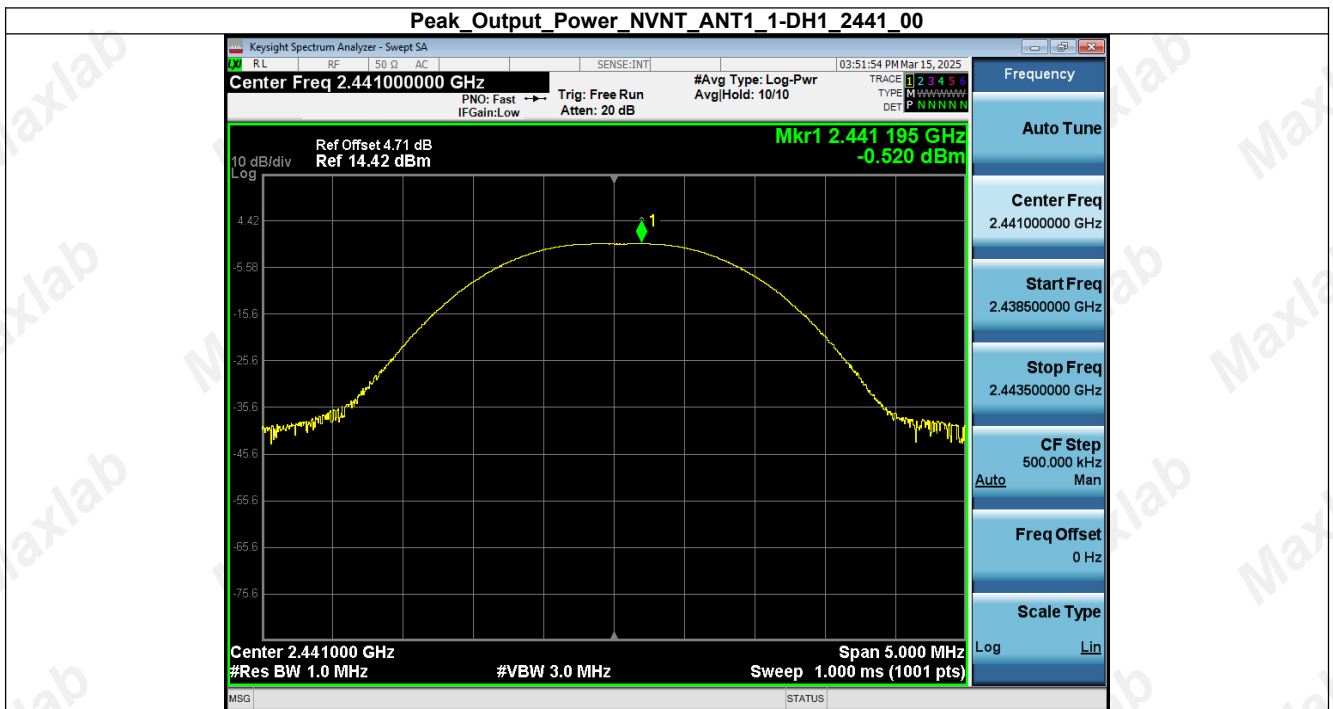
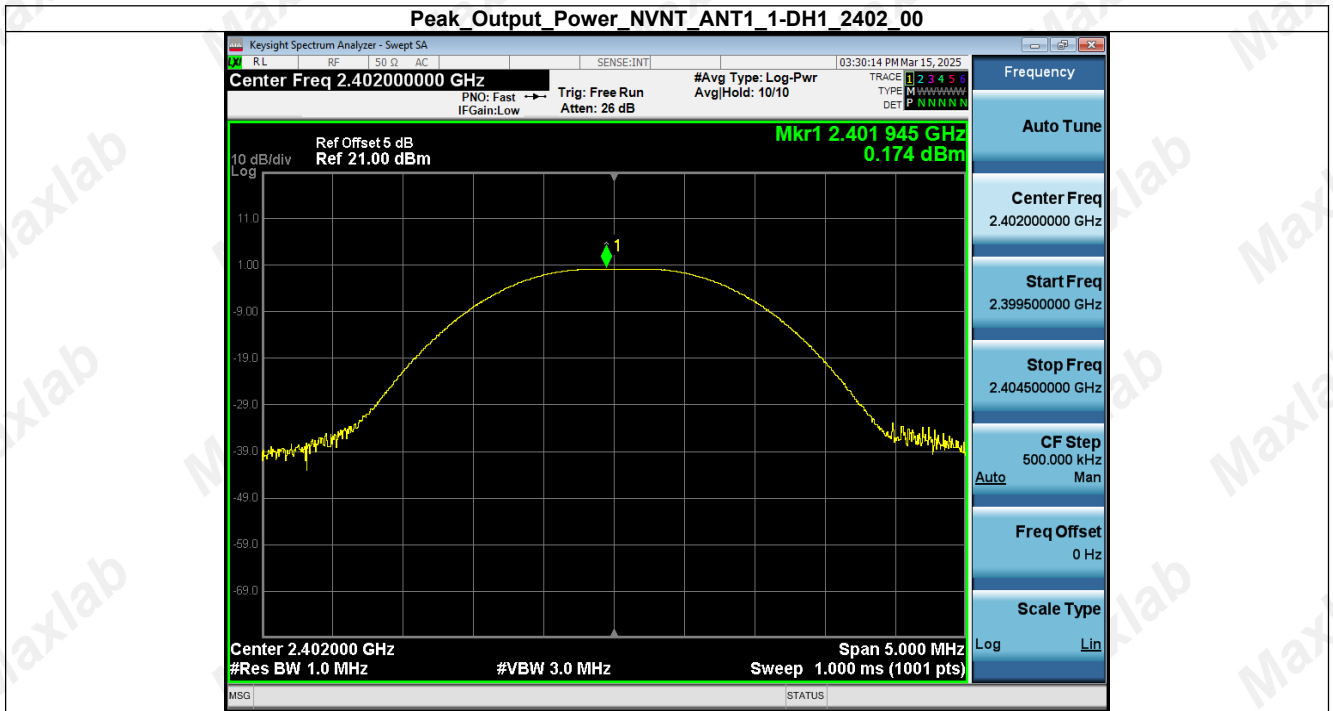
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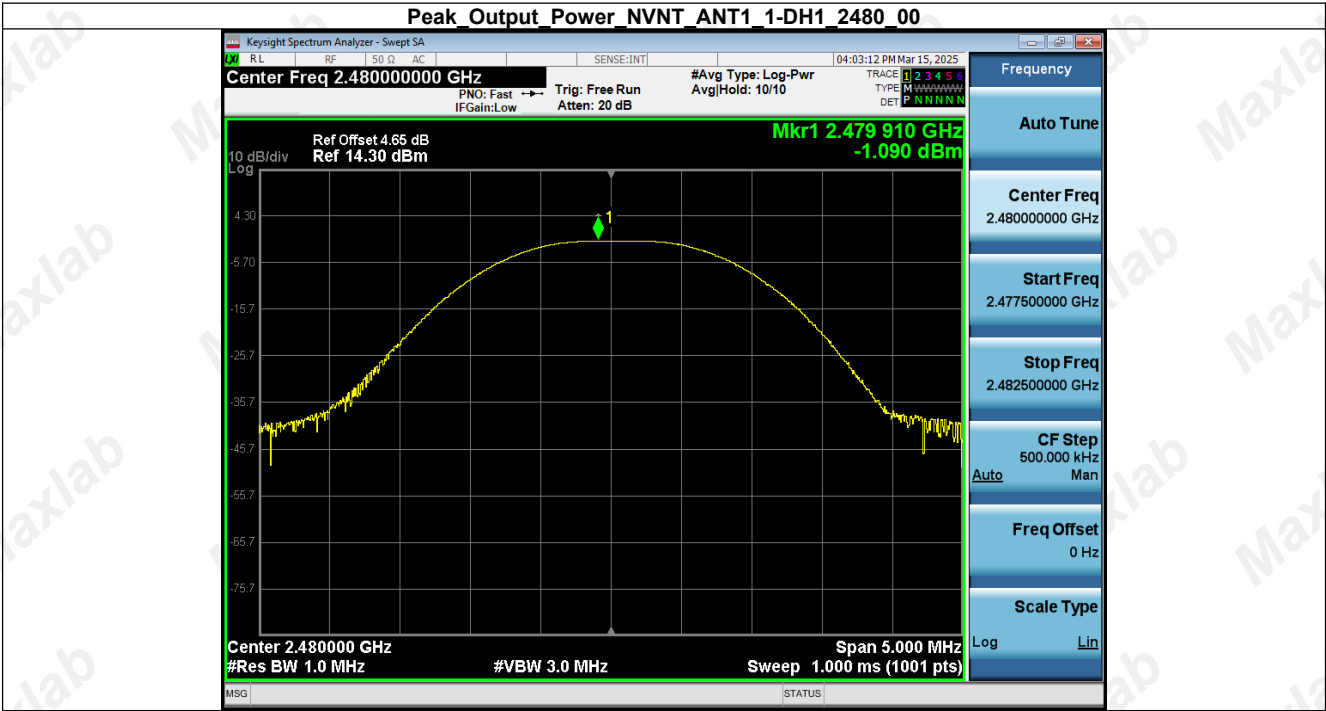
99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_1-DH1\_2480\_00



#### 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         | 0.17                      | 1.04                     | 1000      | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2441.00         | -0.52                     | 0.89                     | 1000      | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2480.00         | -1.09                     | 0.78                     | 1000      | Pass   |

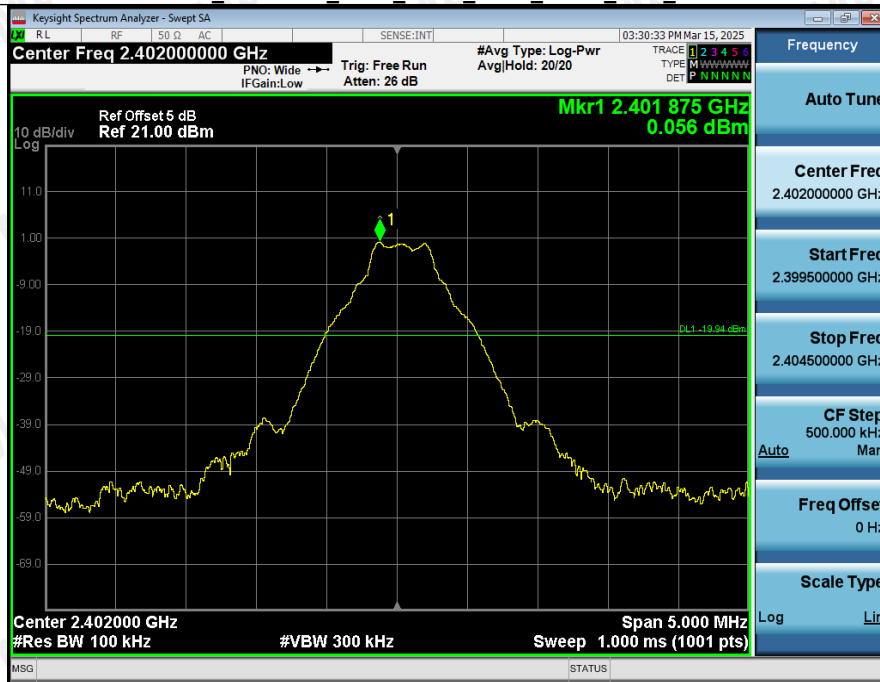




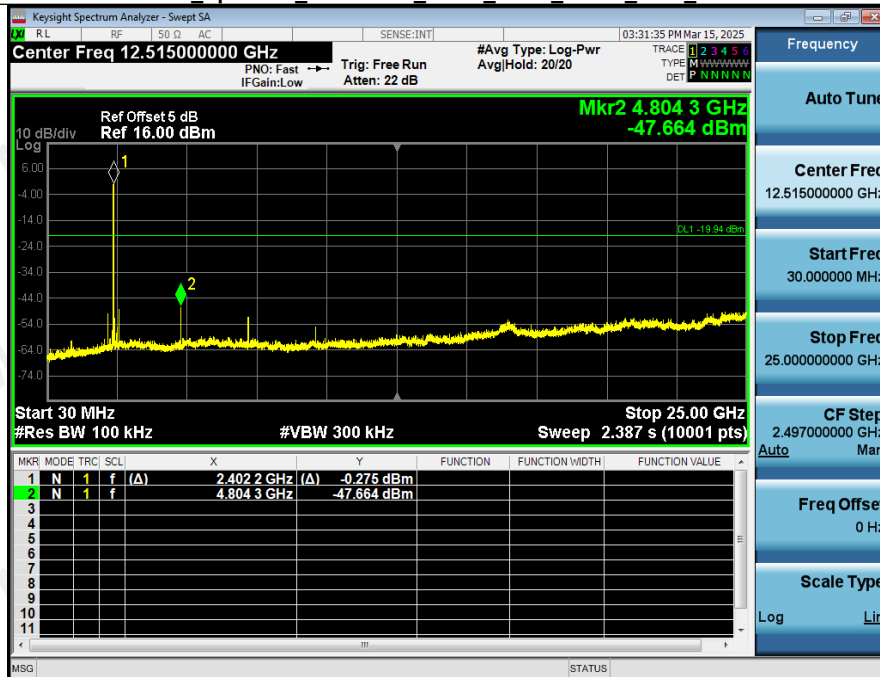
## 5. Spurious Emissions

| Condition | Antenna | Modulation | TX Mode | Ref_level(dBm) | Spurious<br>MAX.Value(dBm) | Limit   | Result |
|-----------|---------|------------|---------|----------------|----------------------------|---------|--------|
| NVNT      | ANT1    | 1-DH1      | 2402.00 | 0.056          | -47.664                    | -19.944 | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2441.00 | -0.652         | -48.092                    | -20.652 | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2480.00 | -1.226         | -46.170                    | -21.226 | Pass   |

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



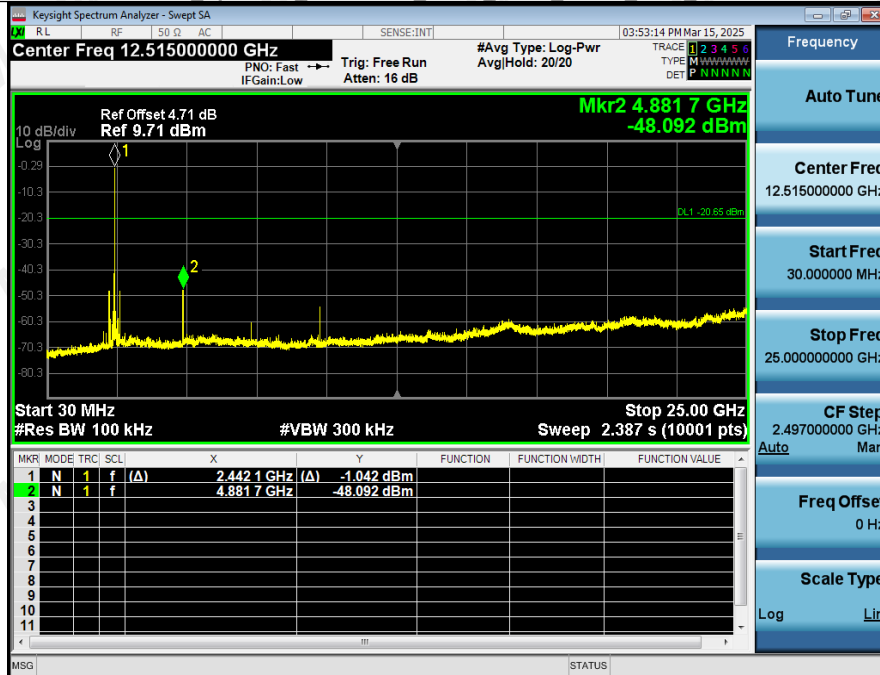
2\_Spurious\_Emissions\_NVNT\_ANT1\_1-DH1\_2402\_00

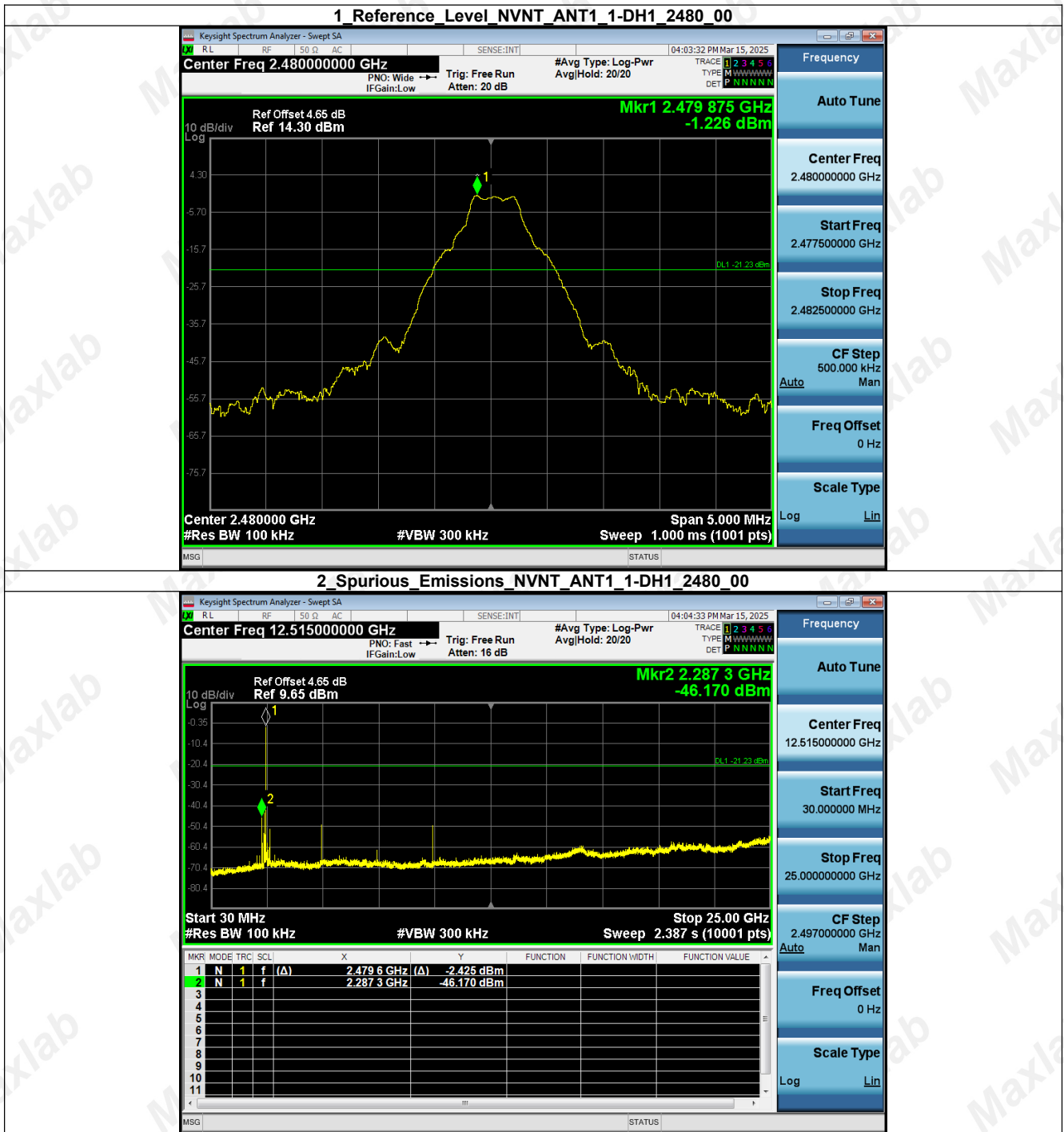


1\_Reference\_Level\_NVNT\_ANT1\_1-DH1\_2441\_00



2\_Spurious\_Emissions\_NVNT\_ANT1\_1-DH1\_2441\_00

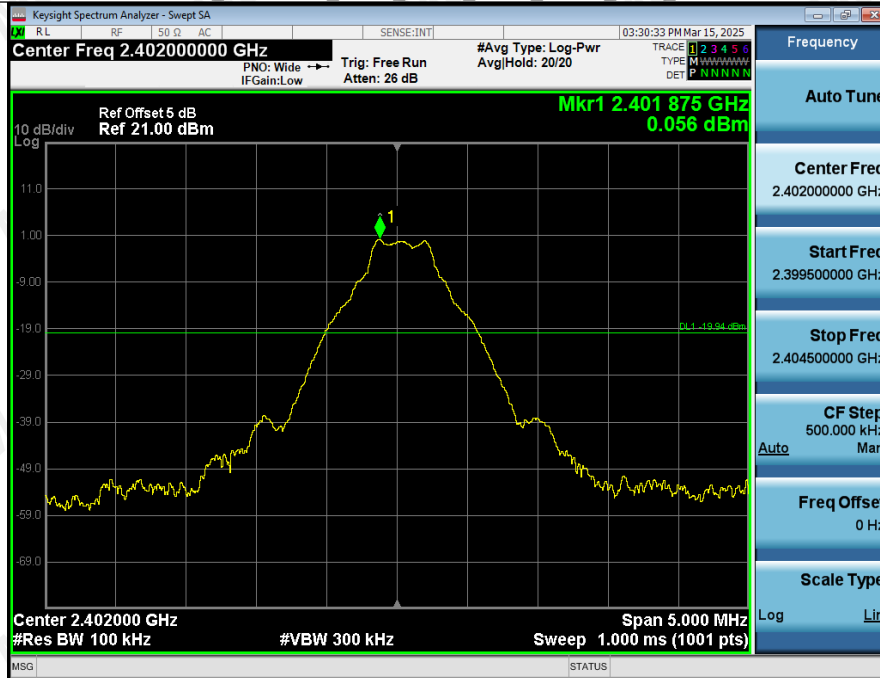




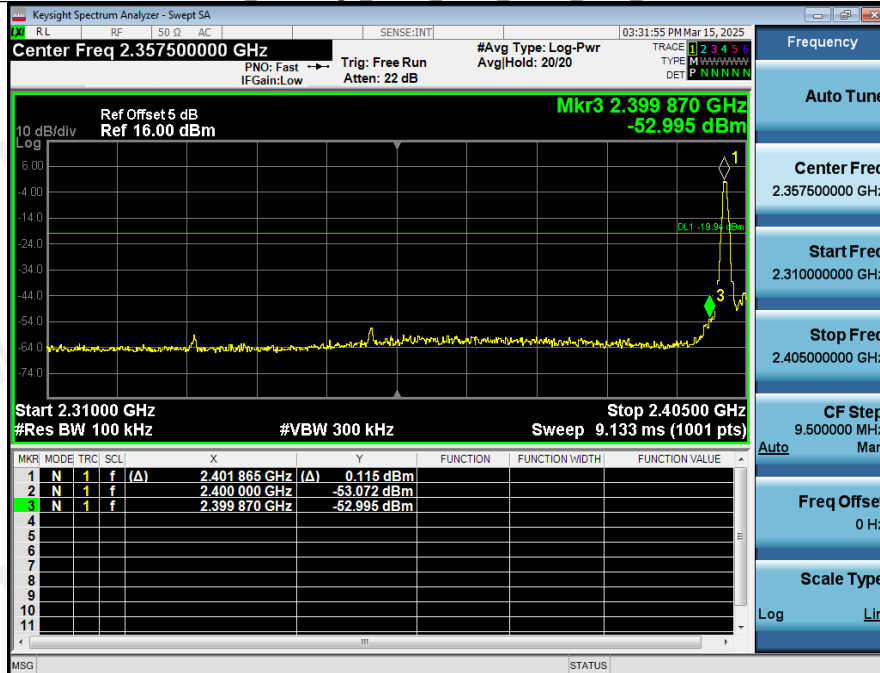
## 6. Bandedge

| Condition | Antenna | Modulation | TX Mode     | Ref_level(dBm) | Bandedge MAX.Value | Limit   | Result |
|-----------|---------|------------|-------------|----------------|--------------------|---------|--------|
| NVNT      | ANT1    | 1-DH1      | 2402.00     | 0.056          | -52.995            | -19.944 | Pass   |
| NVNT      | ANT1    | 1-DH1      | Hopping_LCH | 0.097          | -52.422            | -19.903 | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2480.00     | -1.226         | -62.652            | -21.226 | Pass   |
| NVNT      | ANT1    | 1-DH1      | Hopping_HCH | -0.290         | -56.276            | -20.290 | Pass   |

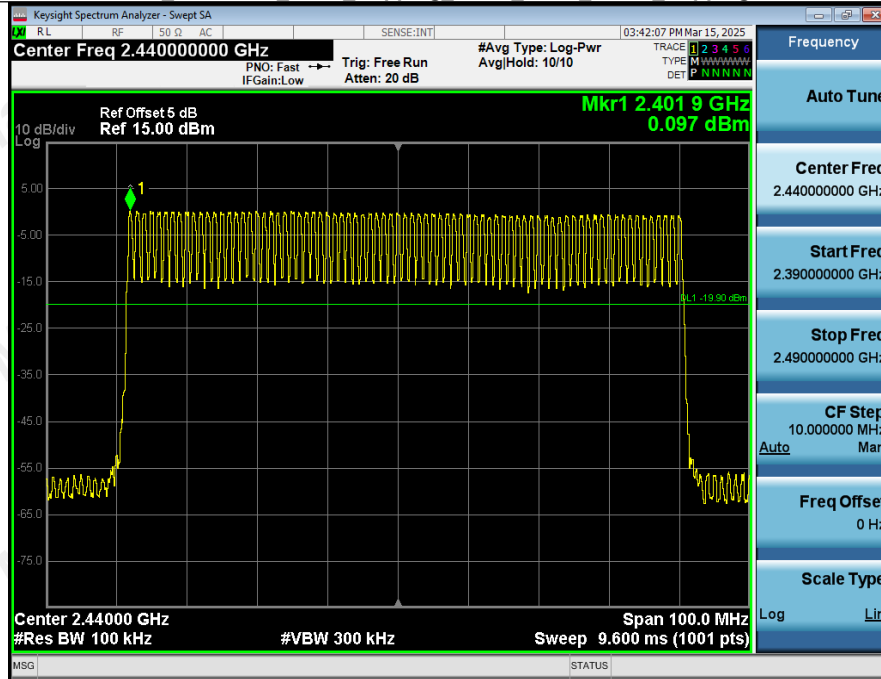
1\_Reference\_Level\_NVNT\_ANT1\_1-DH1\_2402\_00



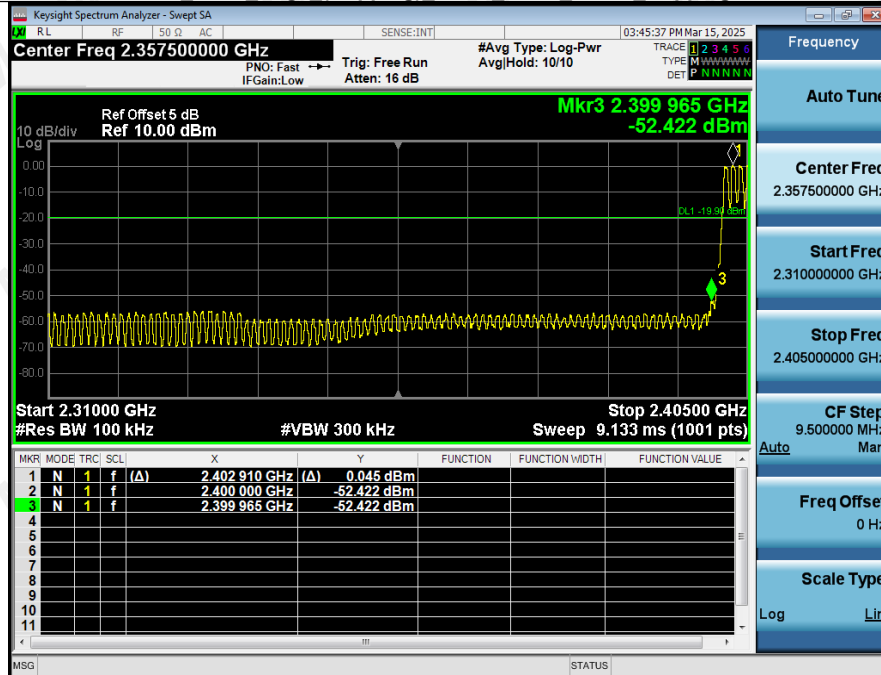
2\_Bandedge\_NVNT\_ANT1\_1-DH1\_2402\_00

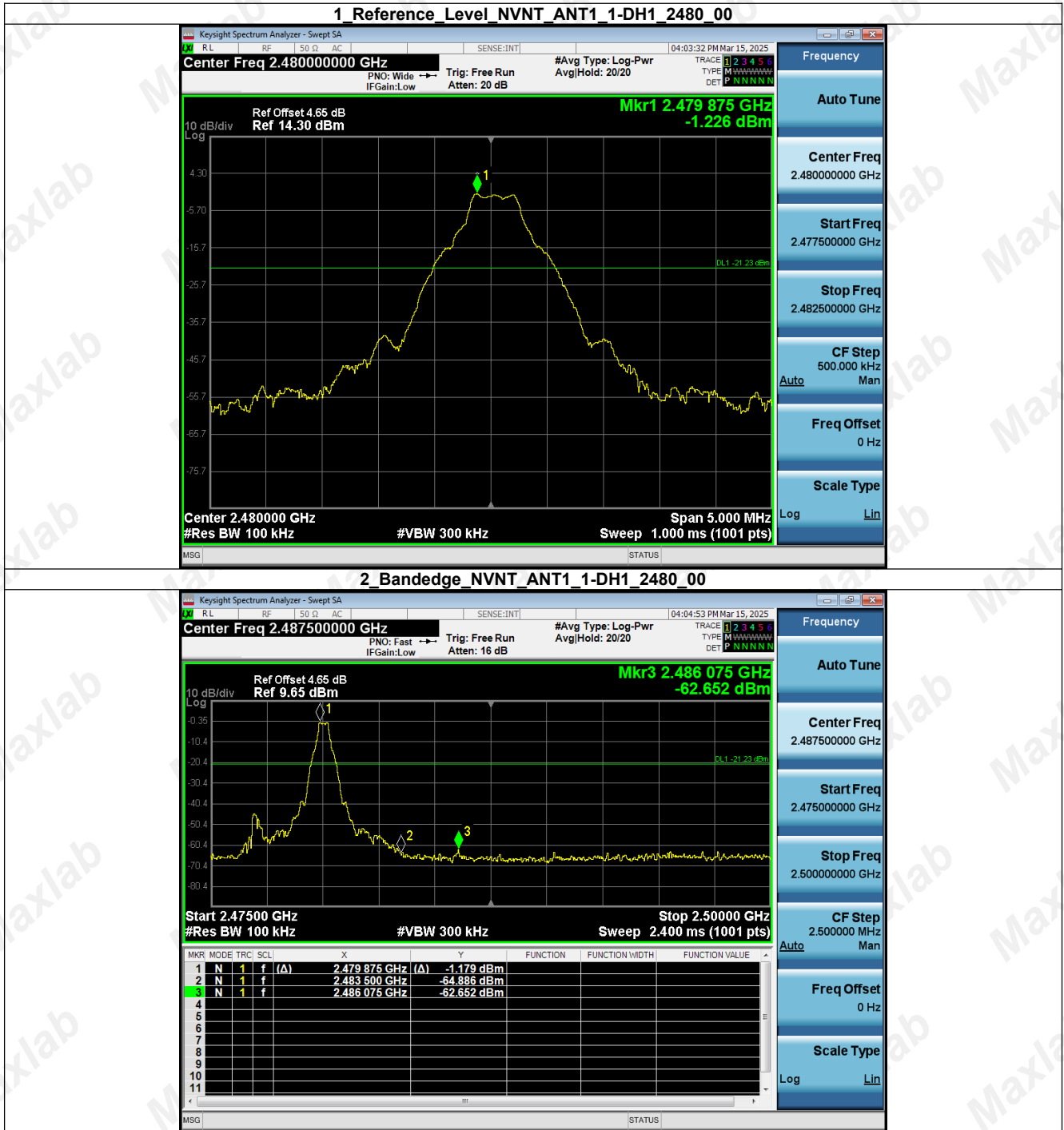


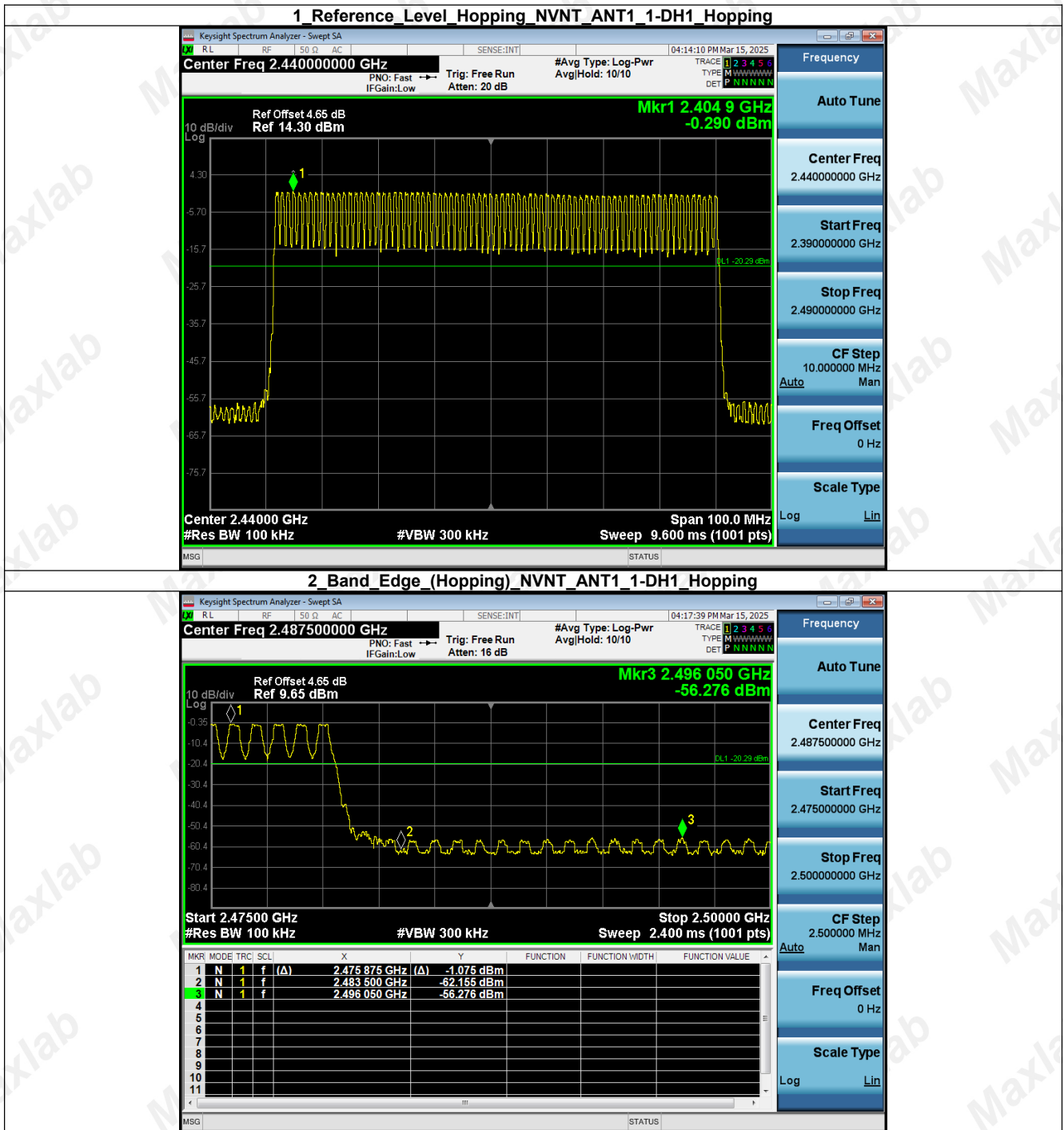
1\_Reference\_Level\_Hopping\_NVNT\_ANT1\_1-DH1\_Hopping



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

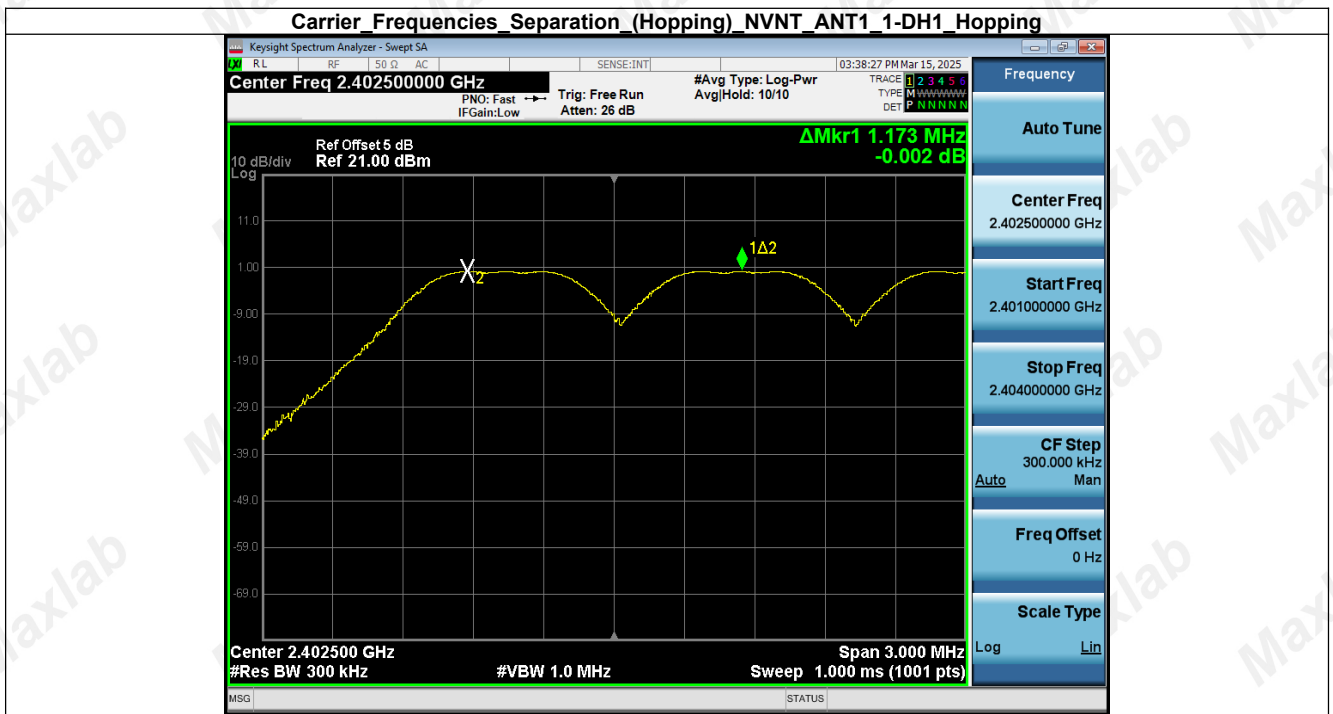


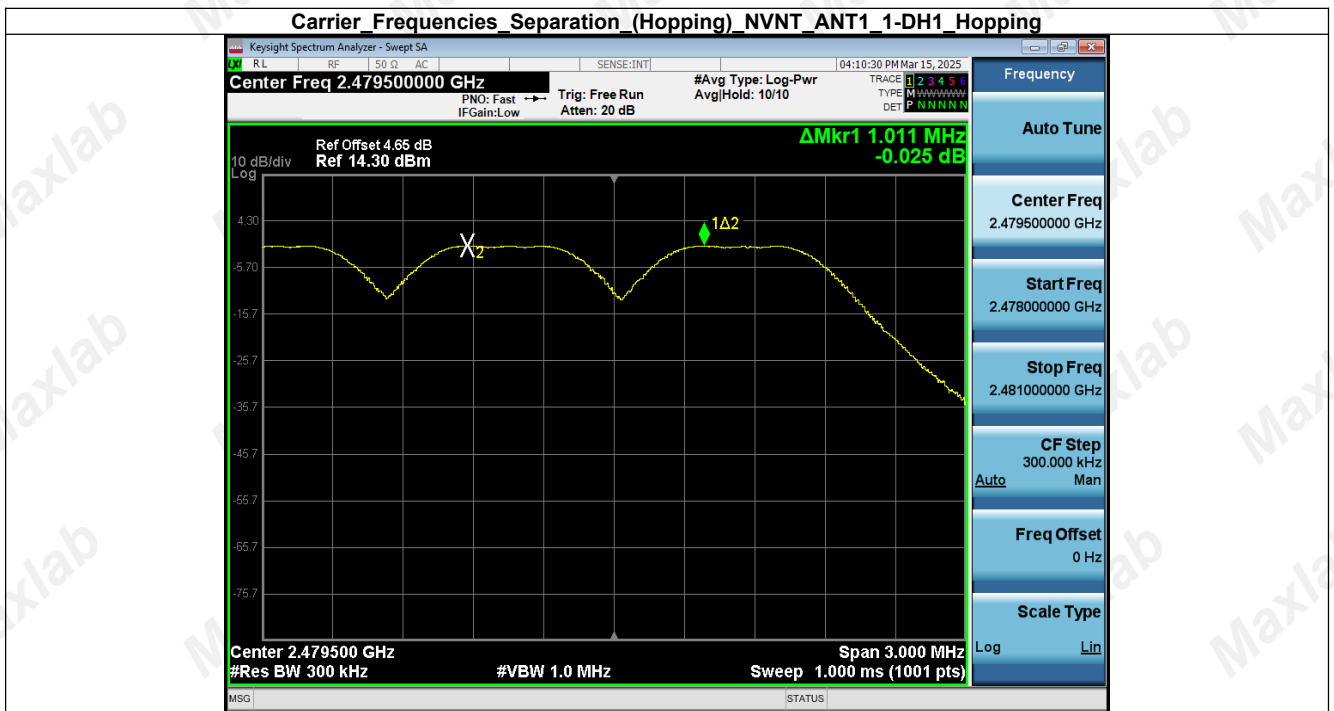
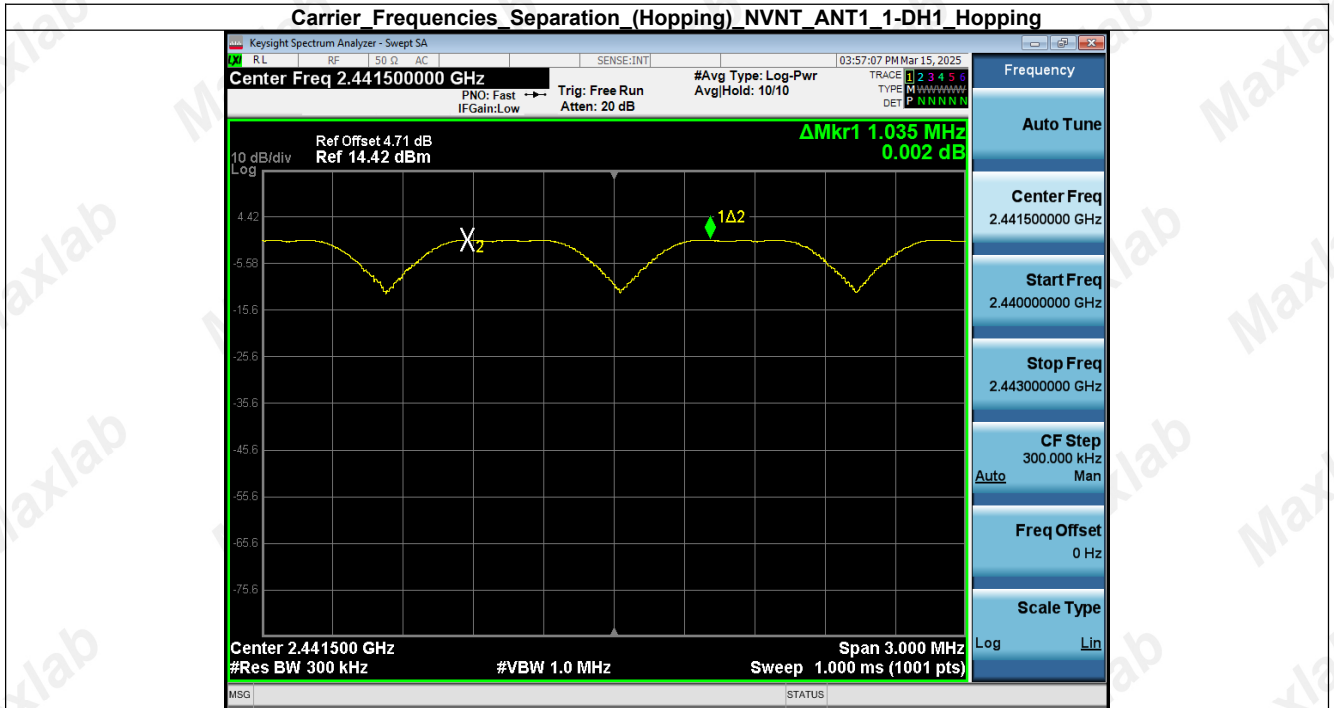




## 7. Carrier Frequencies Separation (Hopping)

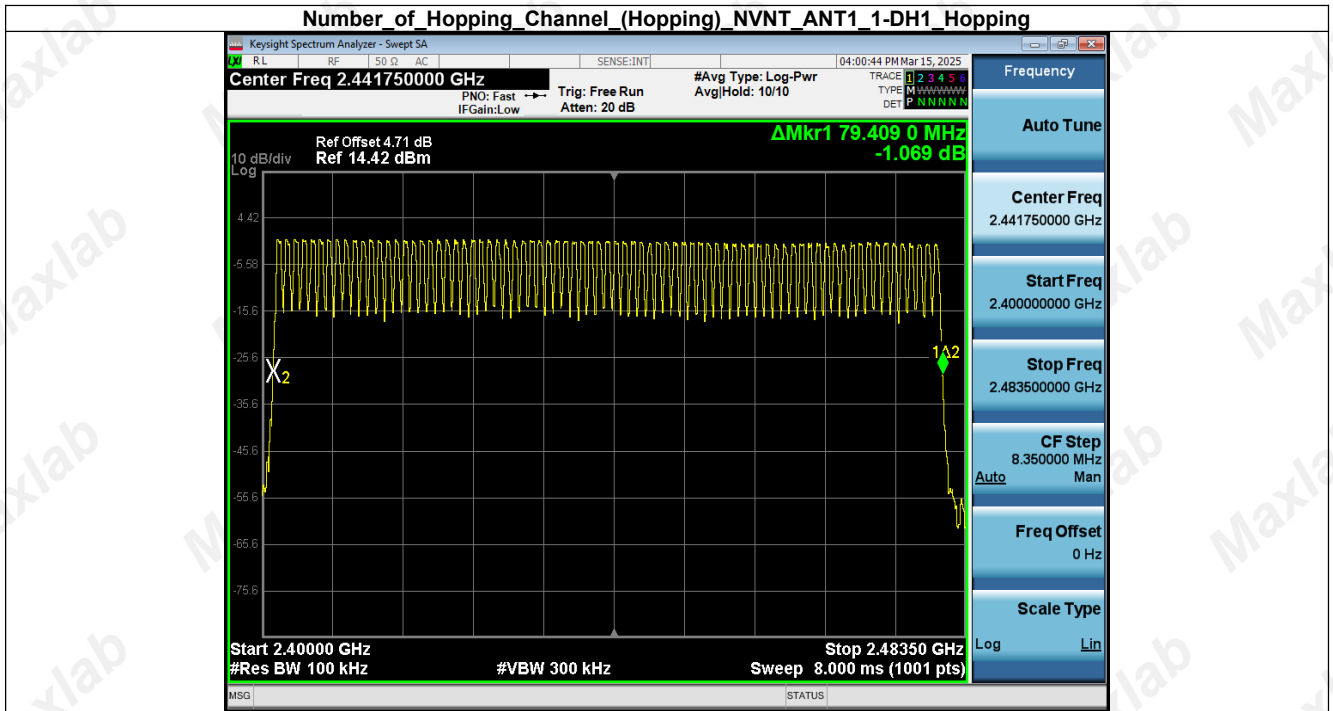
| Condition | Antenna | Modulation | Frequency(MHz) | Hopping NO.0 (MHz) | Hopping NO.1 (MHz) | Carrier Frequencies Separation(MHz) | Limit(MHz) | Result |
|-----------|---------|------------|----------------|--------------------|--------------------|-------------------------------------|------------|--------|
| NVNT      | ANT1    | 1-DH1      | 2402.00        | 2401.873           | 2403.046           | 1.17                                | 0.878      | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2441.00        | 2440.876           | 2441.911           | 1.03                                | 0.915      | Pass   |
| NVNT      | ANT1    | 1-DH1      | 2480.00        | 2478.873           | 2479.884           | 1.01                                | 0.926      | Pass   |





## 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       | 0.400          | 320.00 | 128.000        | 0.40     | Pass   |
| NVNT      | ANT1    | 1-DH3       | 1.650          | 150.00 | 247.500        | 0.40     | Pass   |
| NVNT      | ANT1    | 1-DH5       | 2.900          | 108.00 | 313.200        | 0.40     | Pass   |

