

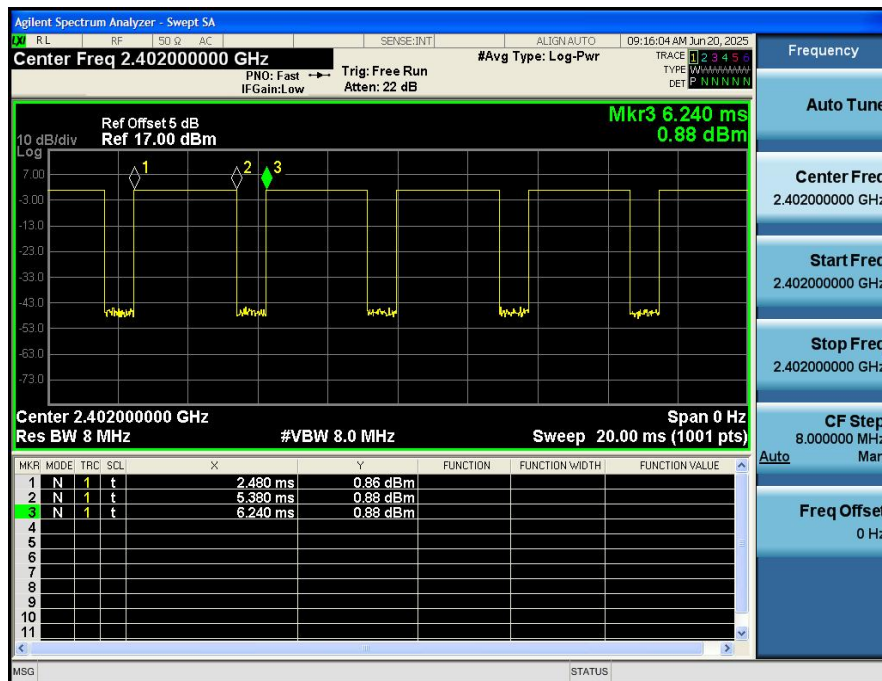
## Appendix Test Data

|                  |                      |                    |                    |
|------------------|----------------------|--------------------|--------------------|
| Report No.:      | 1813C50279912501     | Test Sample No.:   | 1-2-2              |
| Start Test Date: | 2025-6-19            | Finish Test Date:  | 2025-6-20          |
| Test Engineer:   | <i>Liangfei Yang</i> | Auditor:           | <i>Justin Feng</i> |
| Temperature:     | 23.5°C               | Relative Humidity: | 45%                |
| Pressure:        | 101kPa               |                    |                    |

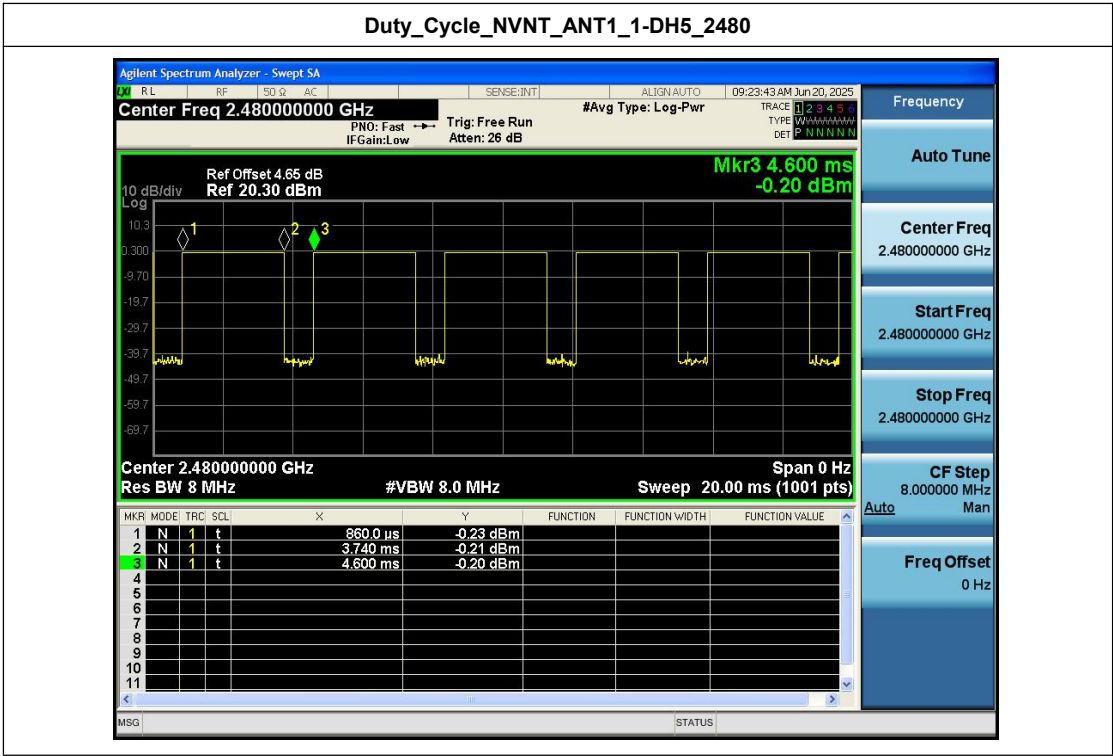
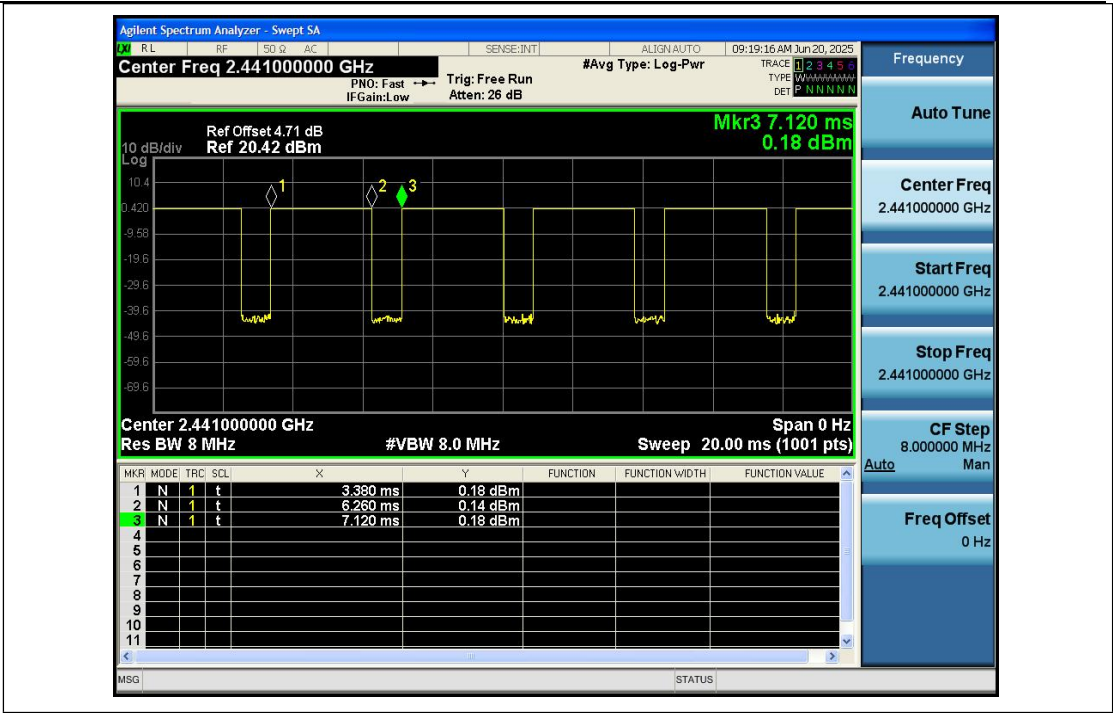
### Appendix A: Duty Cycle

| Condition | Antenna | Rate  | Frequency (MHz) | Dutycycle(%) | Duty_factor |
|-----------|---------|-------|-----------------|--------------|-------------|
| NVNT      | ANT1    | 1-DH5 | 2402.00         | 77.66        | 1.10        |
| NVNT      | ANT1    | 1-DH5 | 2441.00         | 77.54        | 1.10        |
| NVNT      | ANT1    | 1-DH5 | 2480.00         | 77.54        | 1.10        |

Duty\_Cycle\_NVNT\_ANT1\_1-DH5\_2402



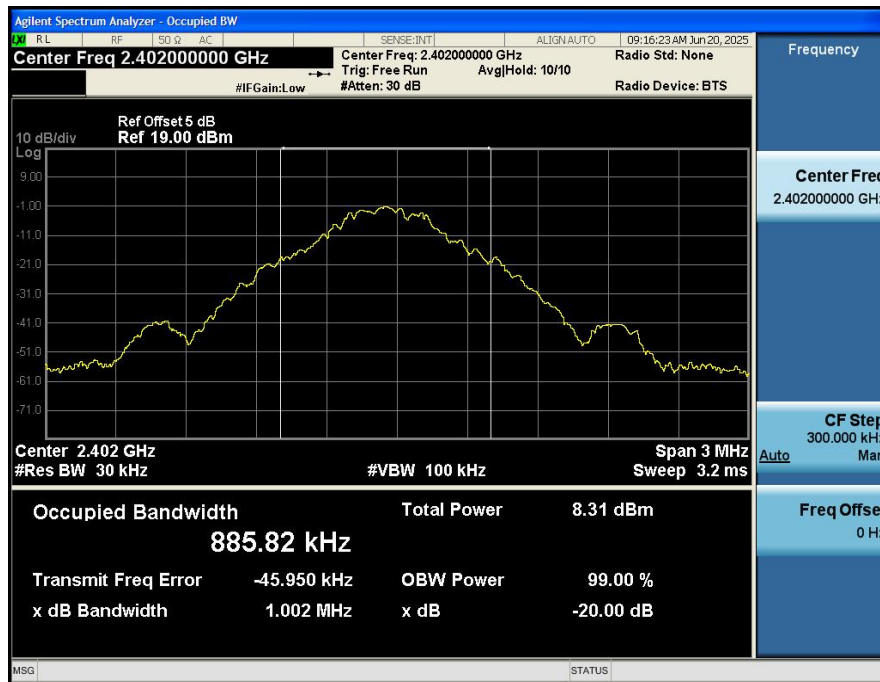
Duty\_Cycle\_NVNT\_ANT1\_1-DH5\_2441



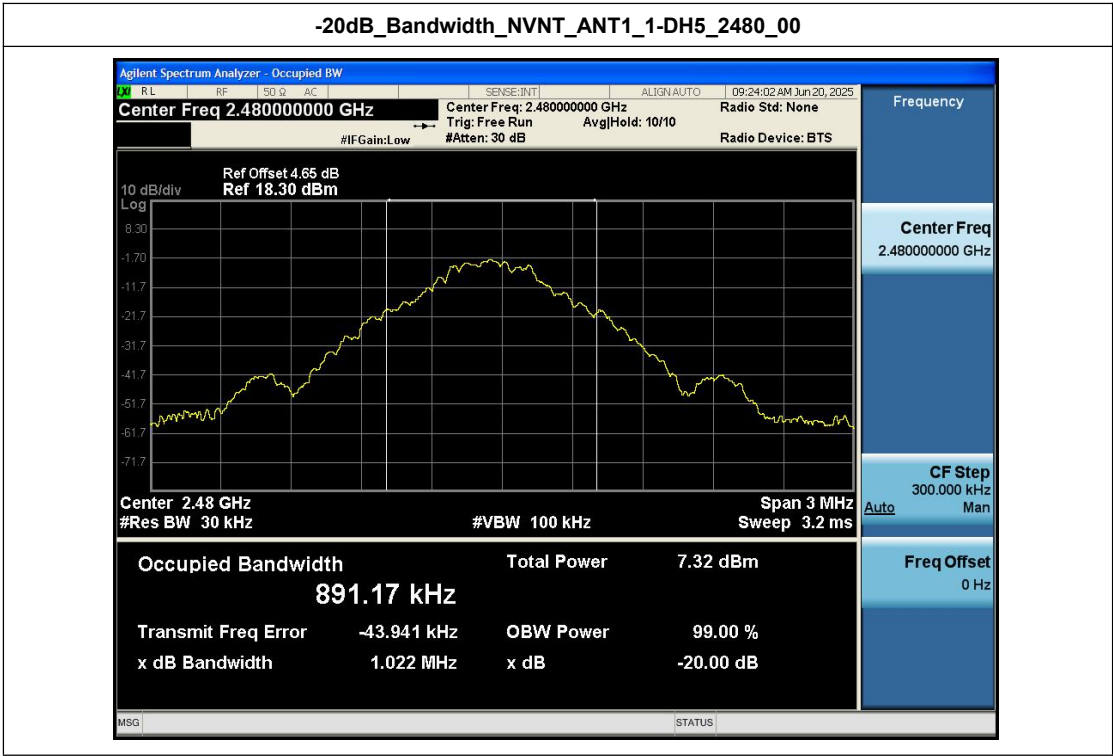
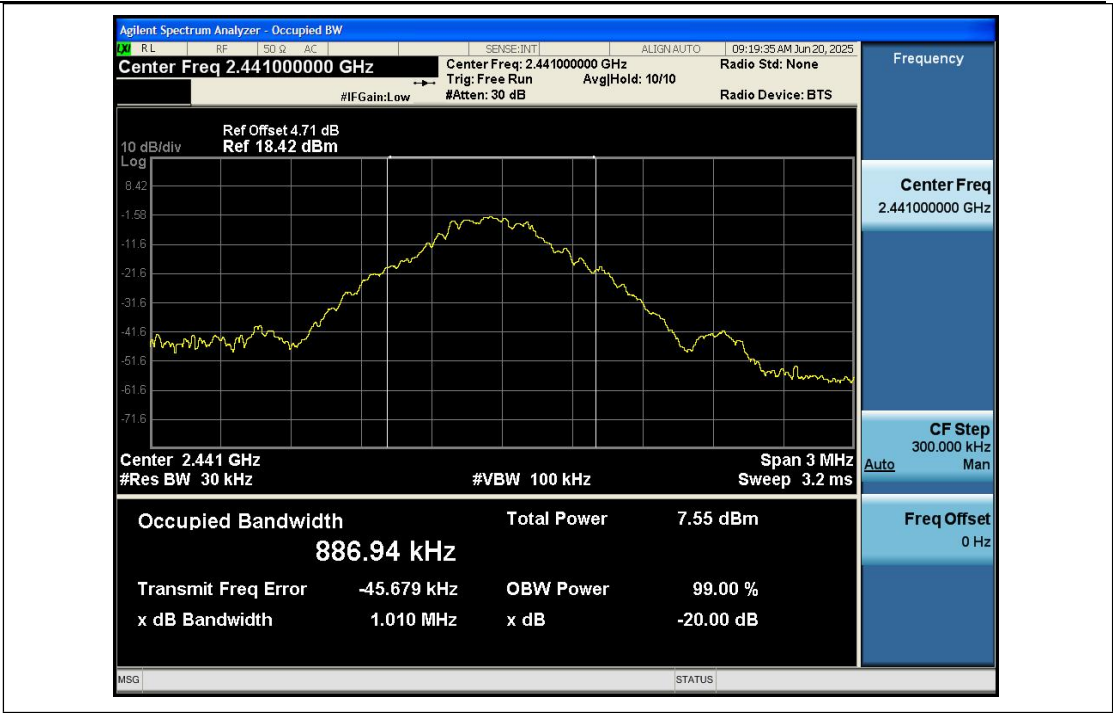
## Appendix B: -20dB Bandwidth

| Condition | Antenna | Modulation | Frequency (MHz) | -20dB BW(MHz) | if larger than CFS |
|-----------|---------|------------|-----------------|---------------|--------------------|
| NVNT      | ANT1    | 1-DH5      | 2402.00         | 1.002         | Yes                |
| NVNT      | ANT1    | 1-DH5      | 2441.00         | 1.010         | Yes                |
| NVNT      | ANT1    | 1-DH5      | 2480.00         | 1.022         | Yes                |

-20dB\_Bandwidth\_NVNT\_ANT1\_1-DH5\_2402\_00



-20dB\_Bandwidth\_NVNT\_ANT1\_1-DH5\_2441\_00



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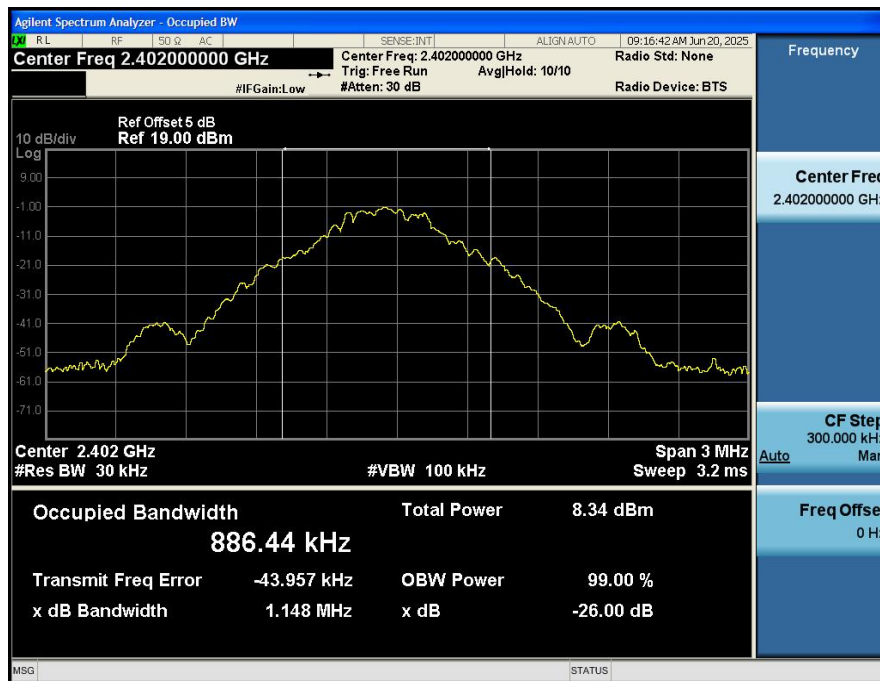
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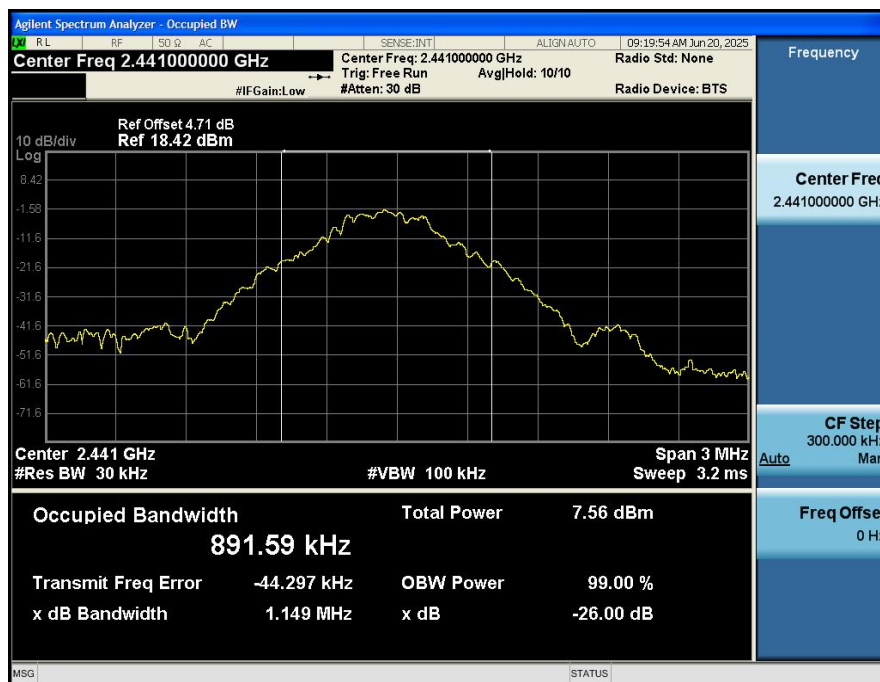
## Appendix C: 99% Occupied Bandwidth

| Condition | Antenna | Modulation | Frequency (MHz) | 99%BW(MHz) |
|-----------|---------|------------|-----------------|------------|
| NVNT      | ANT1    | 1-DH5      | 2402.00         | 0.886      |
| NVNT      | ANT1    | 1-DH5      | 2441.00         | 0.892      |
| NVNT      | ANT1    | 1-DH5      | 2480.00         | 0.892      |

99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_1-DH5\_2402\_00



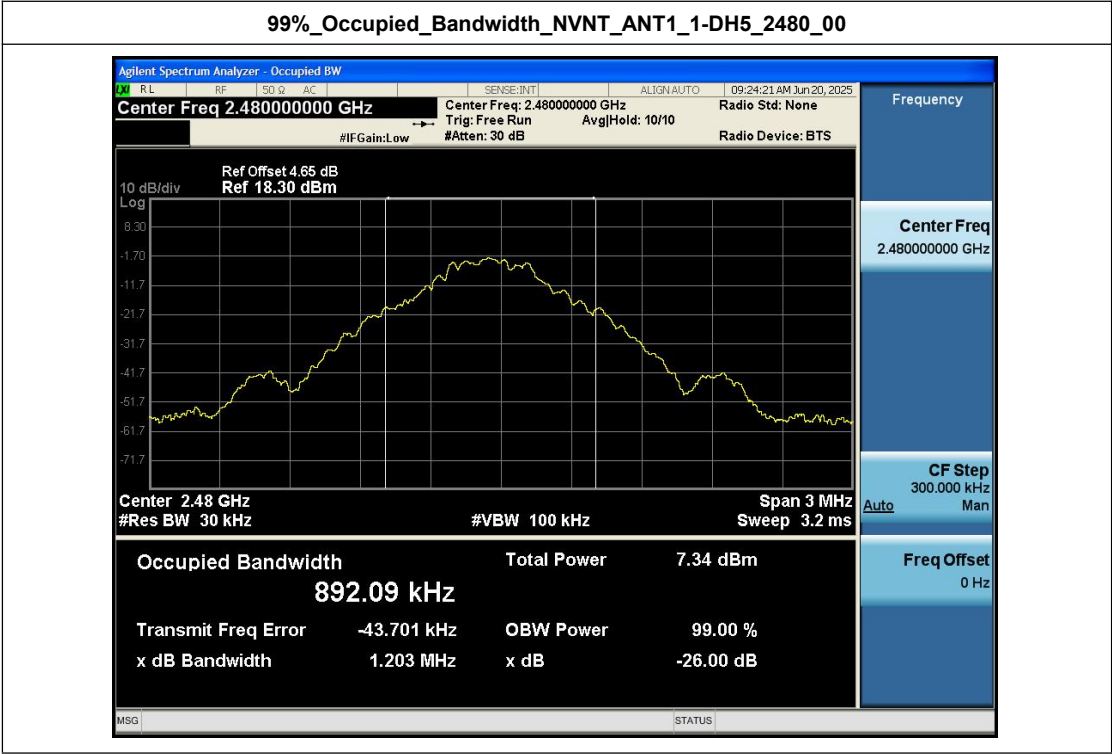
99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_1-DH5\_2441\_00



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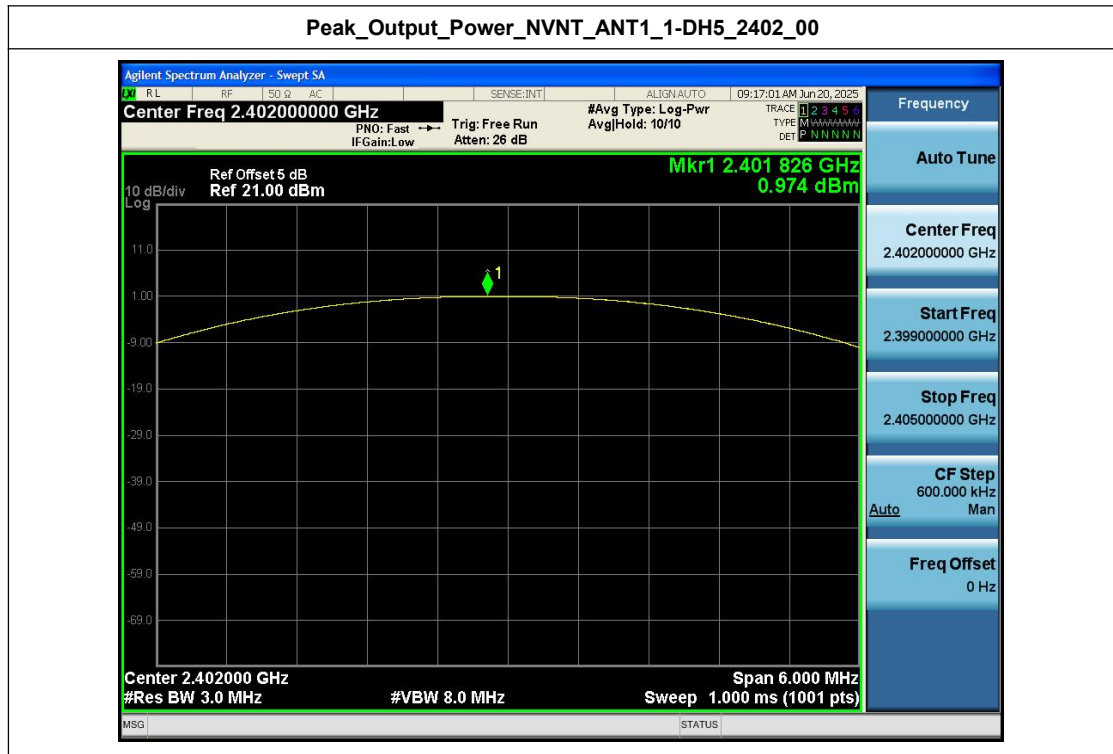
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## Appendix D: Peak Output Power

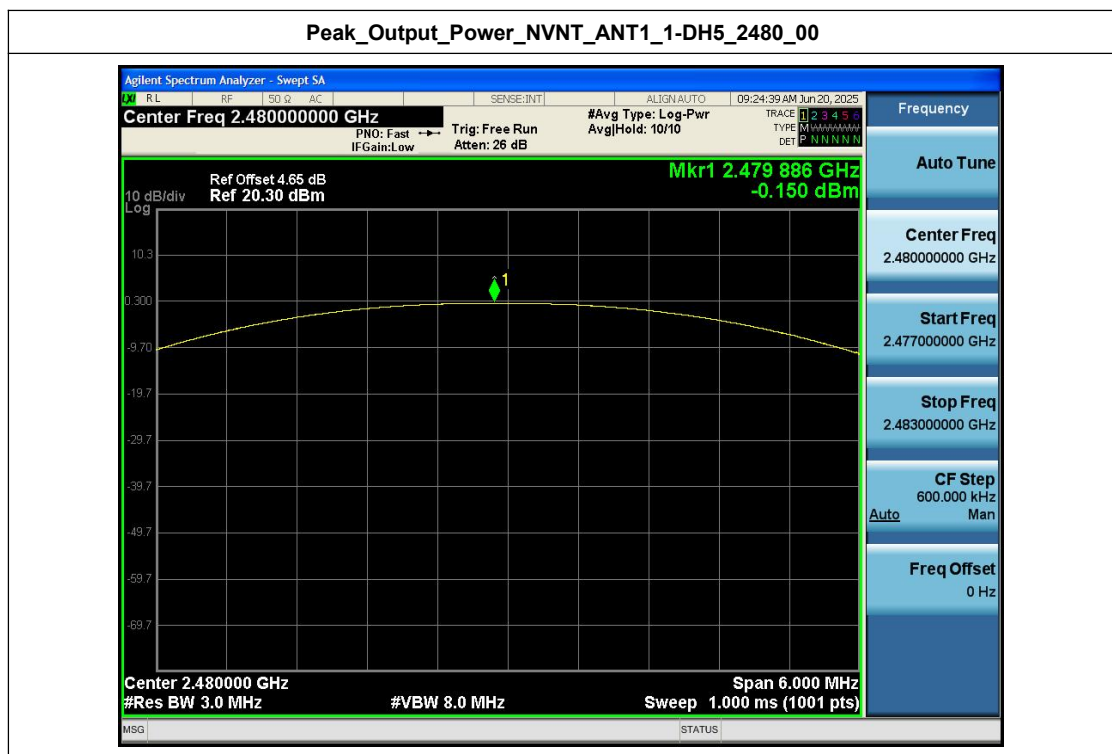
| Condition | Antenna | Modulation | Frequency (MHz) | Max. Conducted Power(dBm) | Max. Conducted Power(mW) | Limit(mW) | Result |
|-----------|---------|------------|-----------------|---------------------------|--------------------------|-----------|--------|
| NVNT      | ANT1    | 1-DH5      | 2402.00         | <b>0.97</b>               | 1.25                     | 125       | Pass   |
| NVNT      | ANT1    | 1-DH5      | 2441.00         | 0.36                      | 1.09                     | 125       | Pass   |
| NVNT      | ANT1    | 1-DH5      | 2480.00         | -0.15                     | 0.97                     | 125       | Pass   |



**Peak\_Output\_Power\_NVNT\_ANT1\_1-DH5\_2441\_00**



Peak\_Output\_Power\_NVNT\_ANT1\_1-DH5\_2480\_00



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## Appendix E: Spurious Emissions

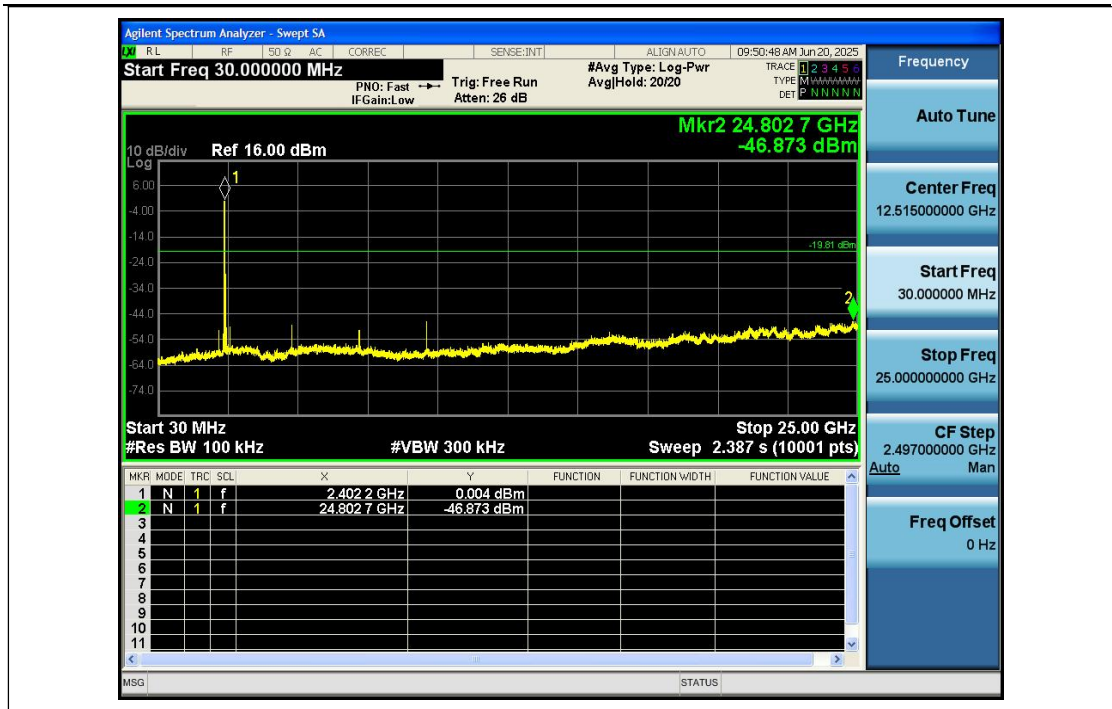
| Condition | Antenna | Modulation | TX Mode | Ref_level(dBm) | Spurious<br>MAX.Value(dBm) | Limit   | Result |
|-----------|---------|------------|---------|----------------|----------------------------|---------|--------|
| NVNT      | ANT1    | 1-DH5      | 2402.00 | 0.195          | -46.873                    | -19.805 | Pass   |
| NVNT      | ANT1    | 1-DH5      | 2441.00 | -0.378         | -45.386                    | -20.378 | Pass   |
| NVNT      | ANT1    | 1-DH5      | 2480.00 | -0.869         | -44.015                    | -20.869 | Pass   |

Note: Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

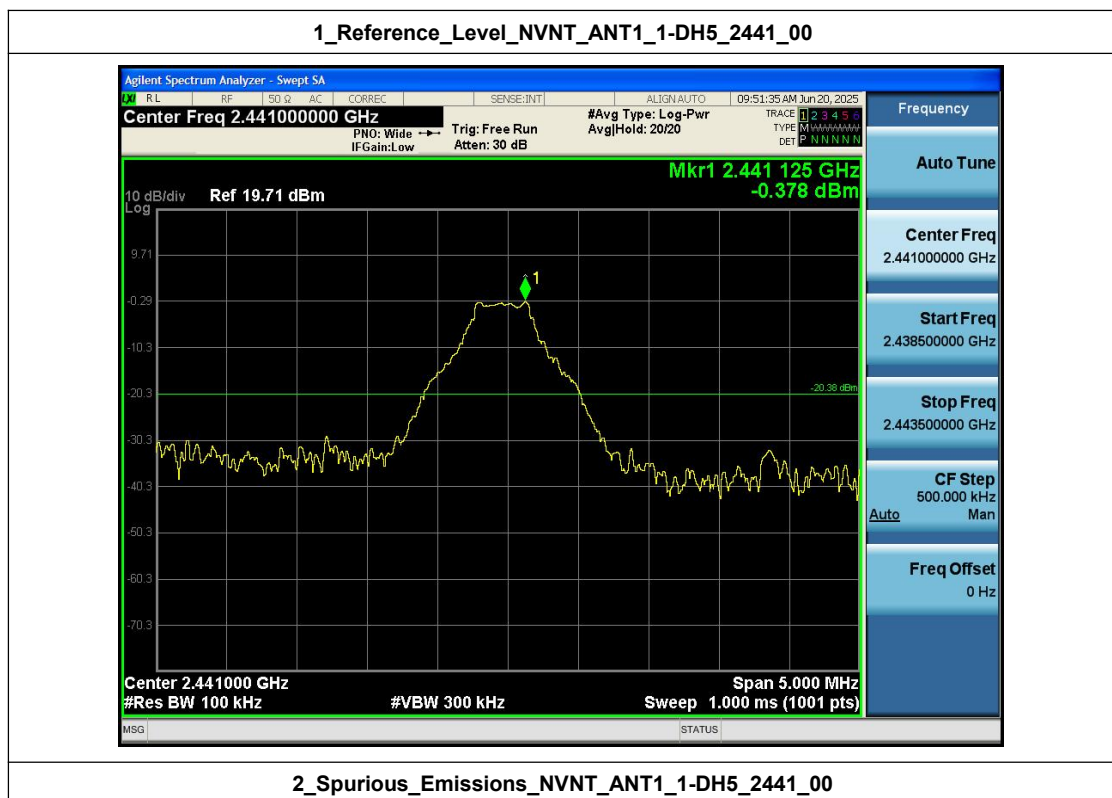
1\_Reference\_Level\_NVNT\_ANT1\_1-DH5\_2402\_00



2\_Spurious\_Emissions\_NVNT\_ANT1\_1-DH5\_2402\_00



1\_Reference\_Level\_NVNT\_ANT1\_1-DH5\_2441\_00

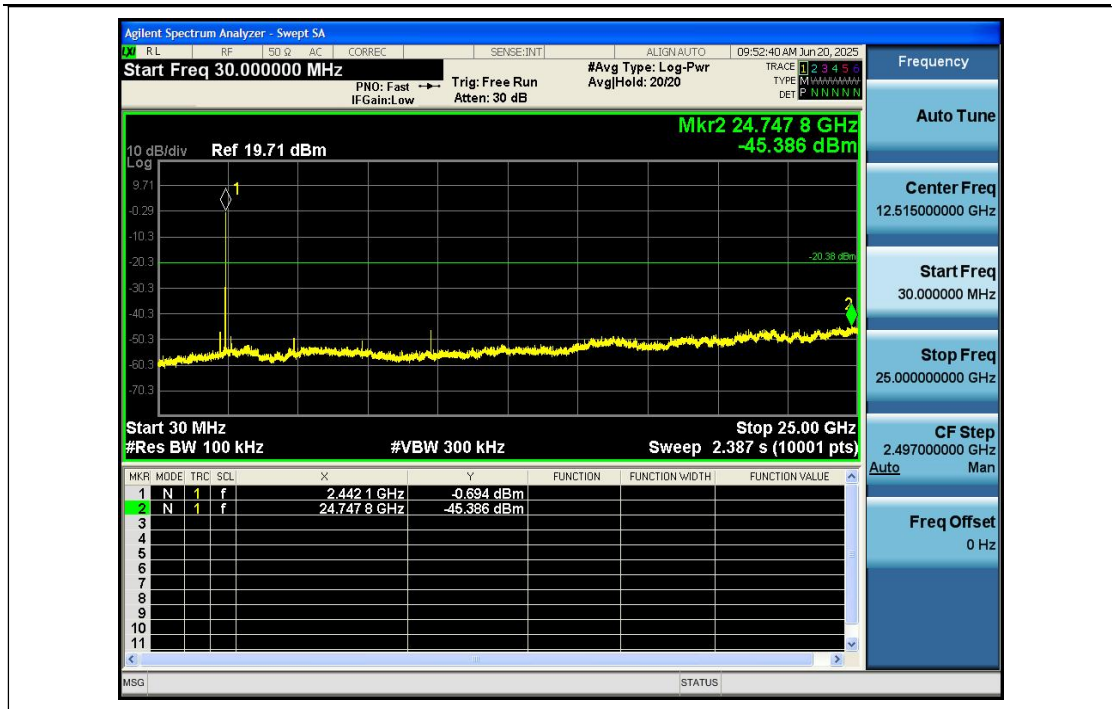


2\_Spurious\_Emissions\_NVNT\_ANT1\_1-DH5\_2441\_00

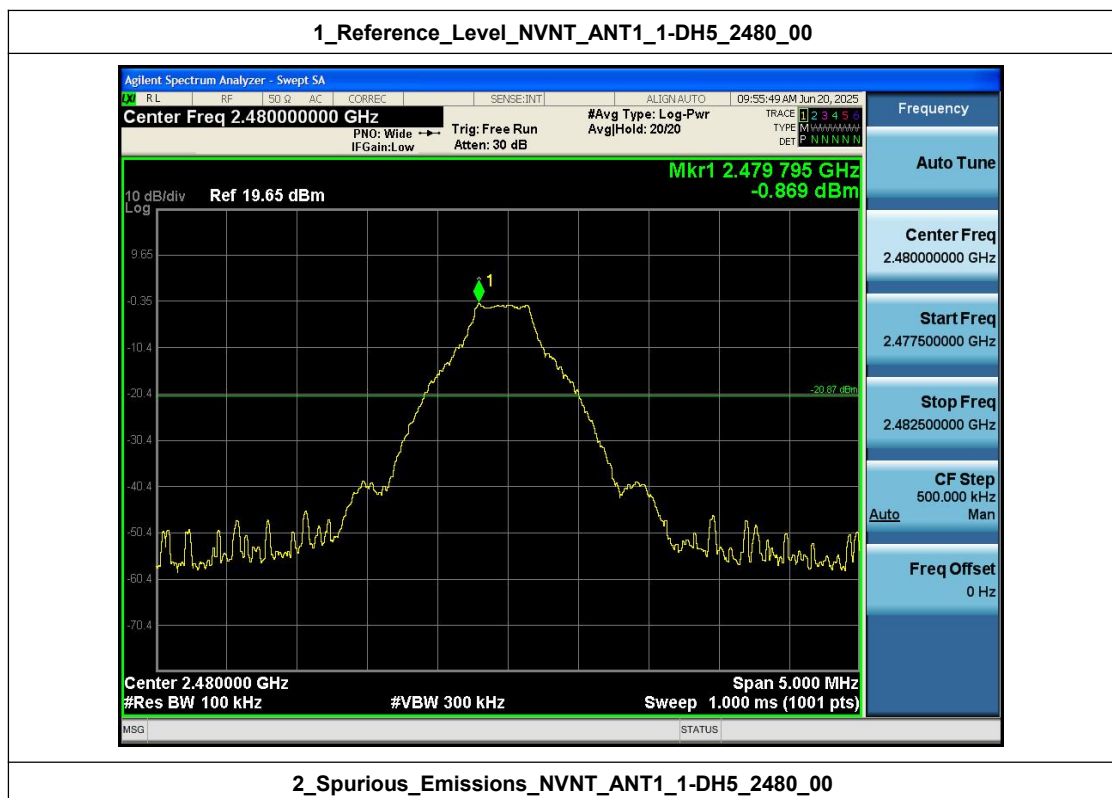
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1\_Reference\_Level\_NVNT\_ANT1\_1-DH5\_2480\_00

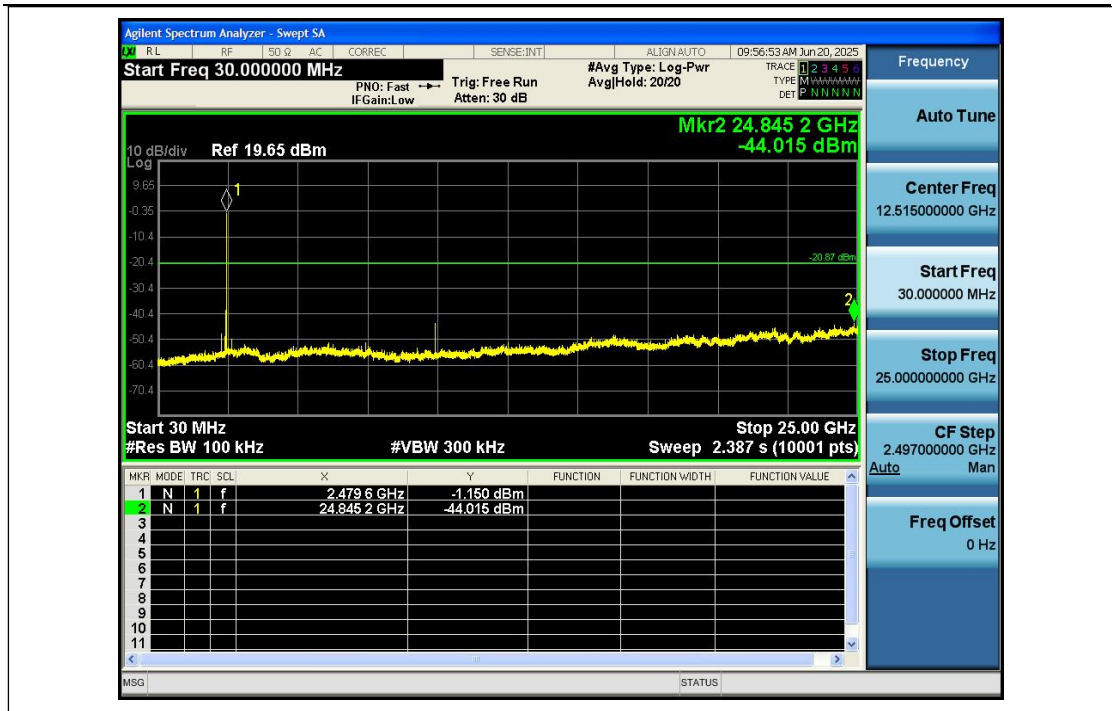


2\_Spurious\_Emissions\_NVNT\_ANT1\_1-DH5\_2480\_00

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## Appendix F: Bandedge

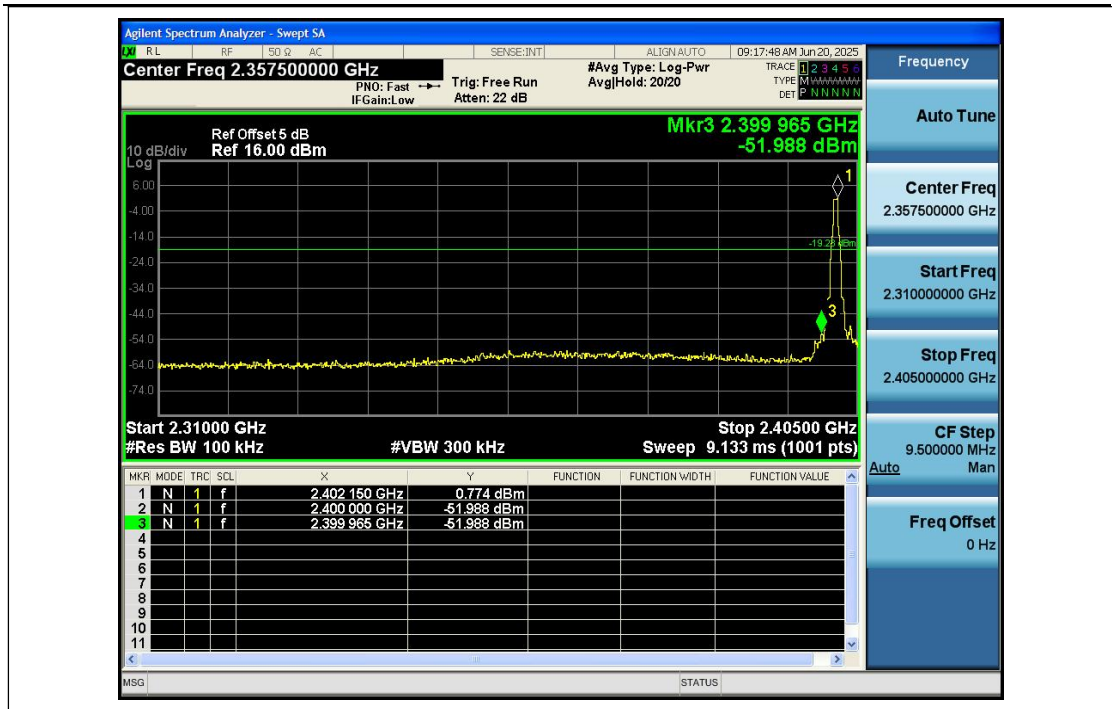
| Condition | Antenna | Modulation | TX Mode     | Ref_level(dBm) | Bandedge<br>MAX.Value | Limit   | Result |
|-----------|---------|------------|-------------|----------------|-----------------------|---------|--------|
| NVNT      | ANT1    | 1-DH5      | 2402.00     | 0.774          | -51.988               | -19.226 | Pass   |
| NVNT      | ANT1    | 1-DH5      | Hopping_LCH | 0.541          | -58.471               | -19.459 | Pass   |
| NVNT      | ANT1    | 1-DH5      | 2480.00     | -0.398         | -61.831               | -20.398 | Pass   |
| NVNT      | ANT1    | 1-DH5      | Hopping_HCH | -3.060         | -63.832               | -23.060 | Pass   |

Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

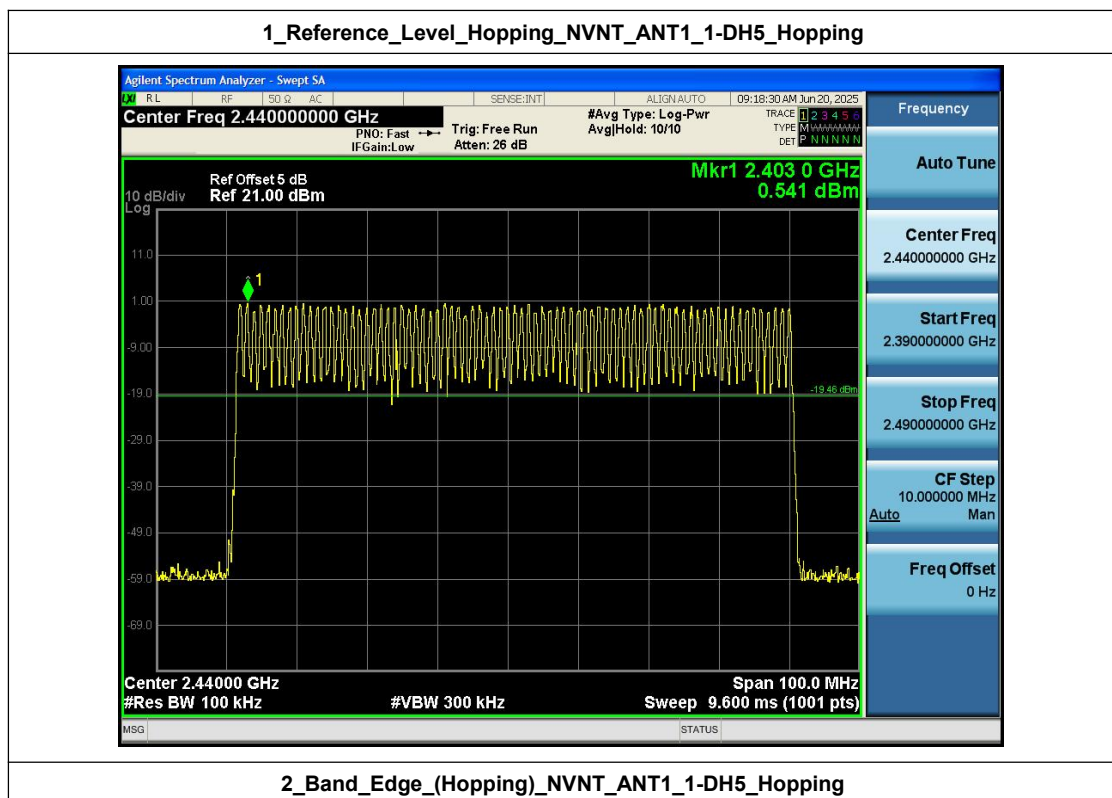
1\_Reference\_Level\_NVNT\_ANT1\_1-DH5\_2402\_00



2\_Bandedge\_NVNT\_ANT1\_1-DH5\_2402\_00



1\_Reference\_Level\_Hopping\_NVNT\_ANT1\_1-DH5\_Hopping

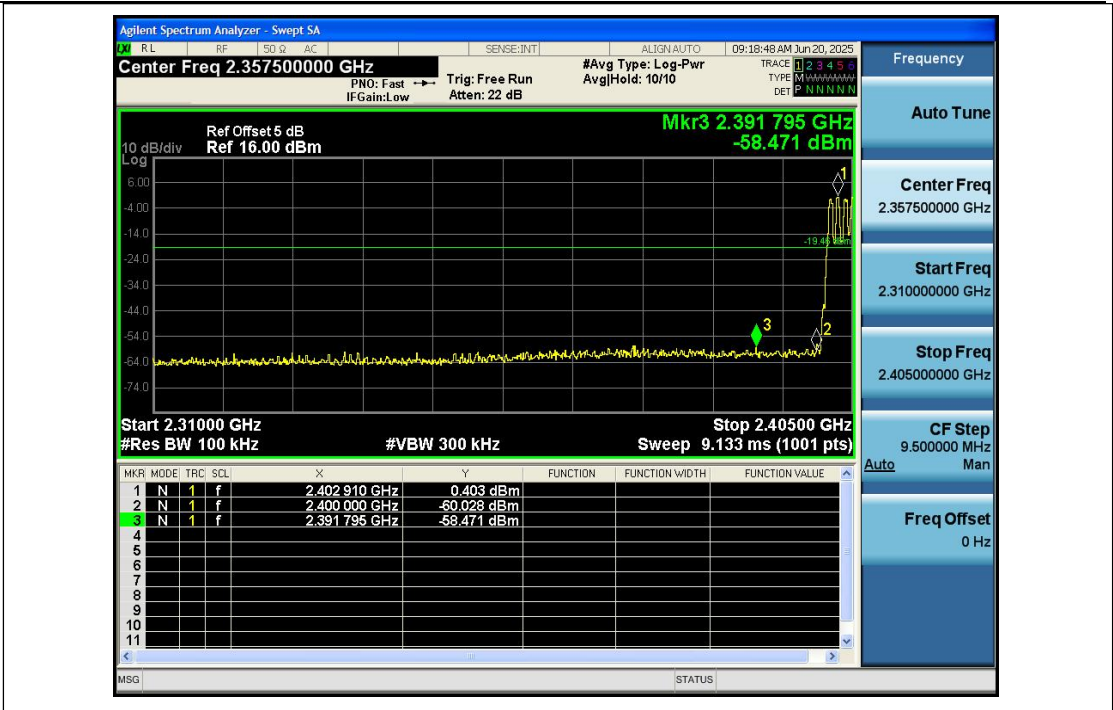


2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_1-DH5\_Hopping

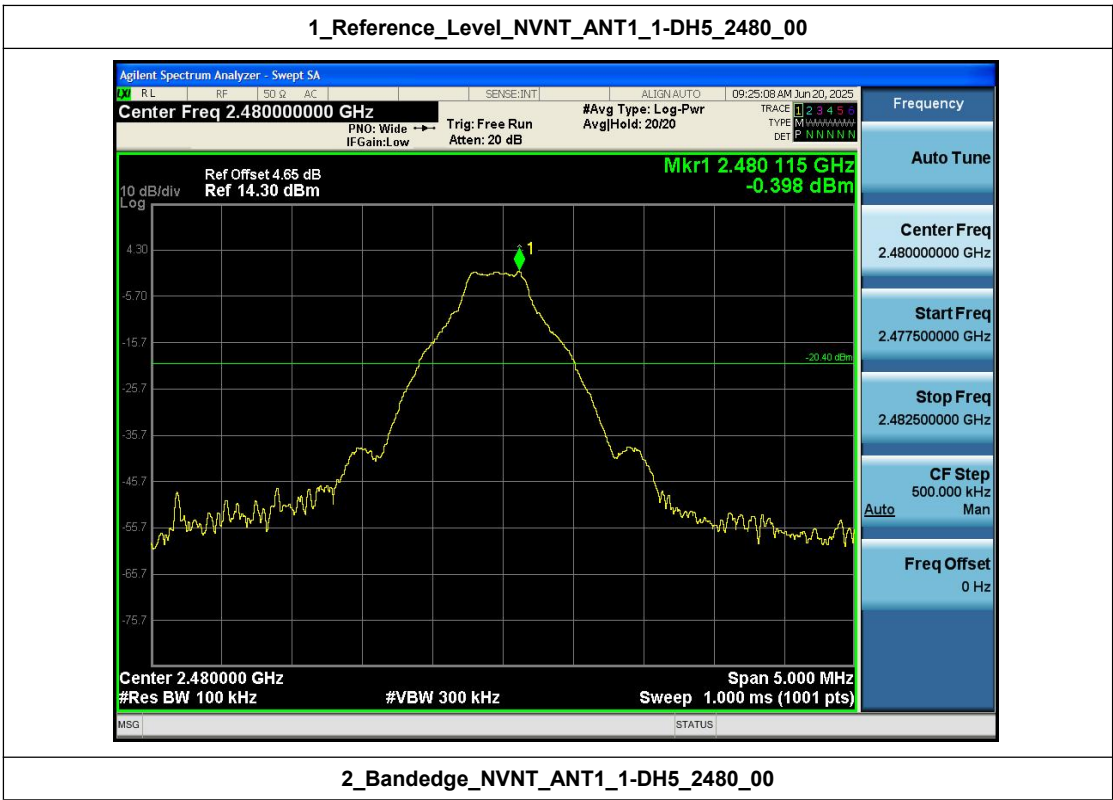
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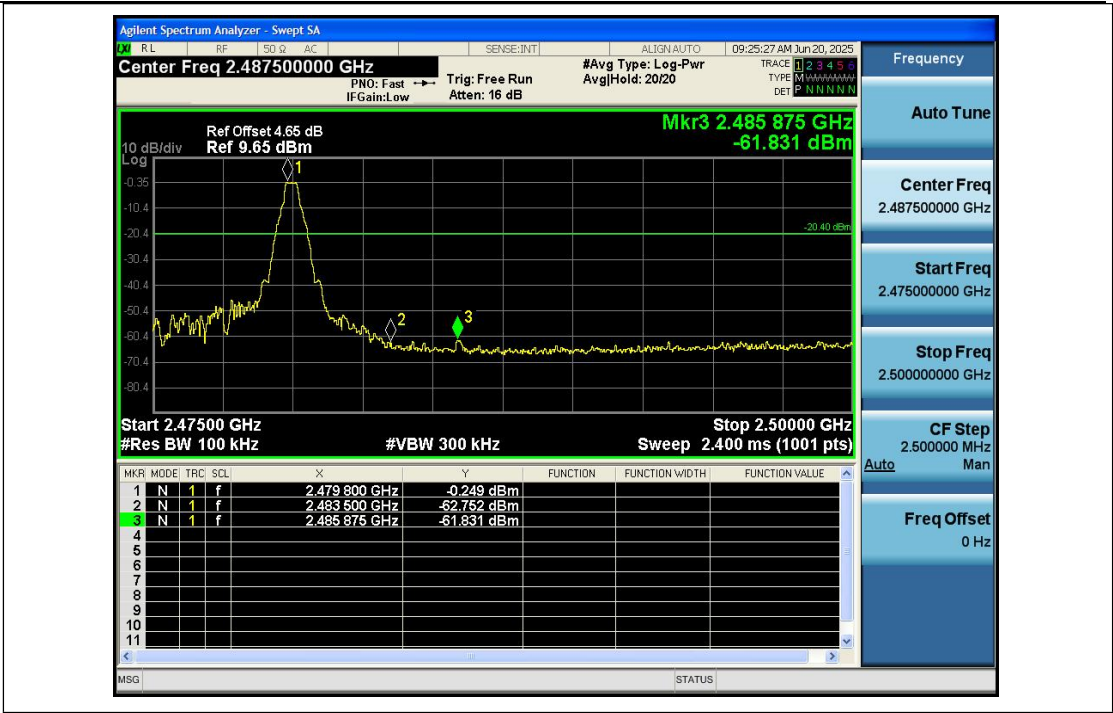
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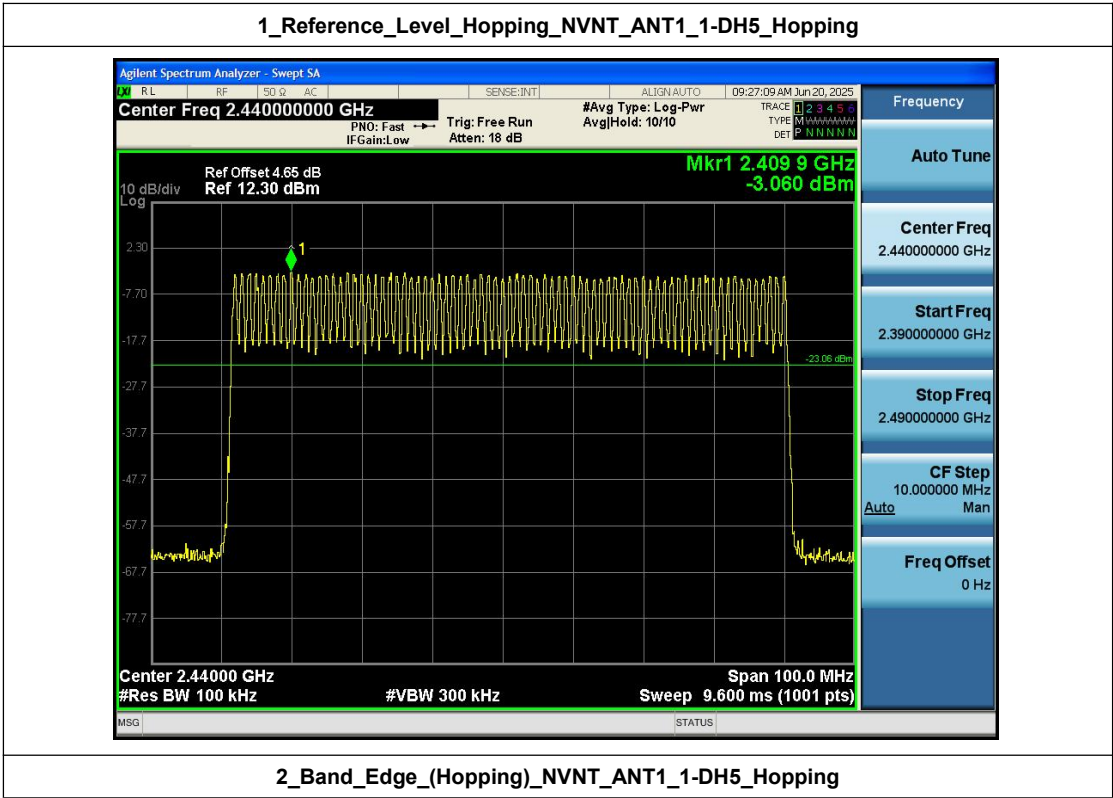
1\_Reference\_Level\_NVNT\_ANT1\_1-DH5\_2480\_00



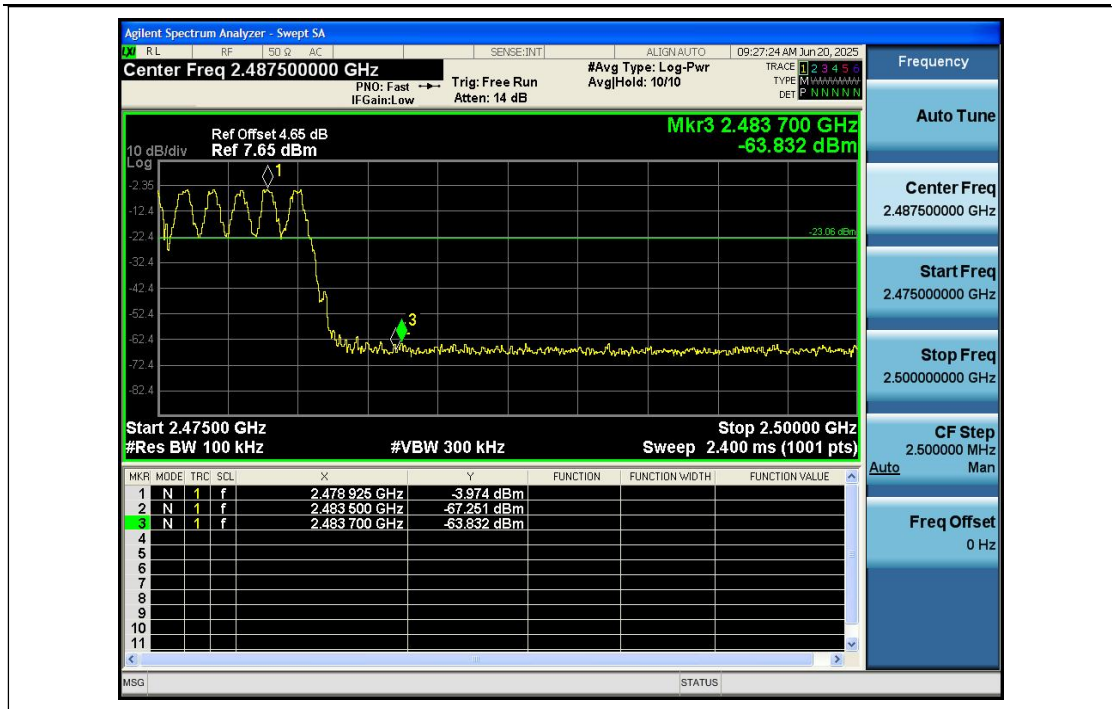
2\_Bandedge\_NVNT\_ANT1\_1-DH5\_2480\_00



1\_Reference\_Level\_Hopping\_NVNT\_ANT1\_1-DH5\_Hopping



2\_Band\_Edge\_(Hopping)\_NVNT\_ANT1\_1-DH5\_Hopping



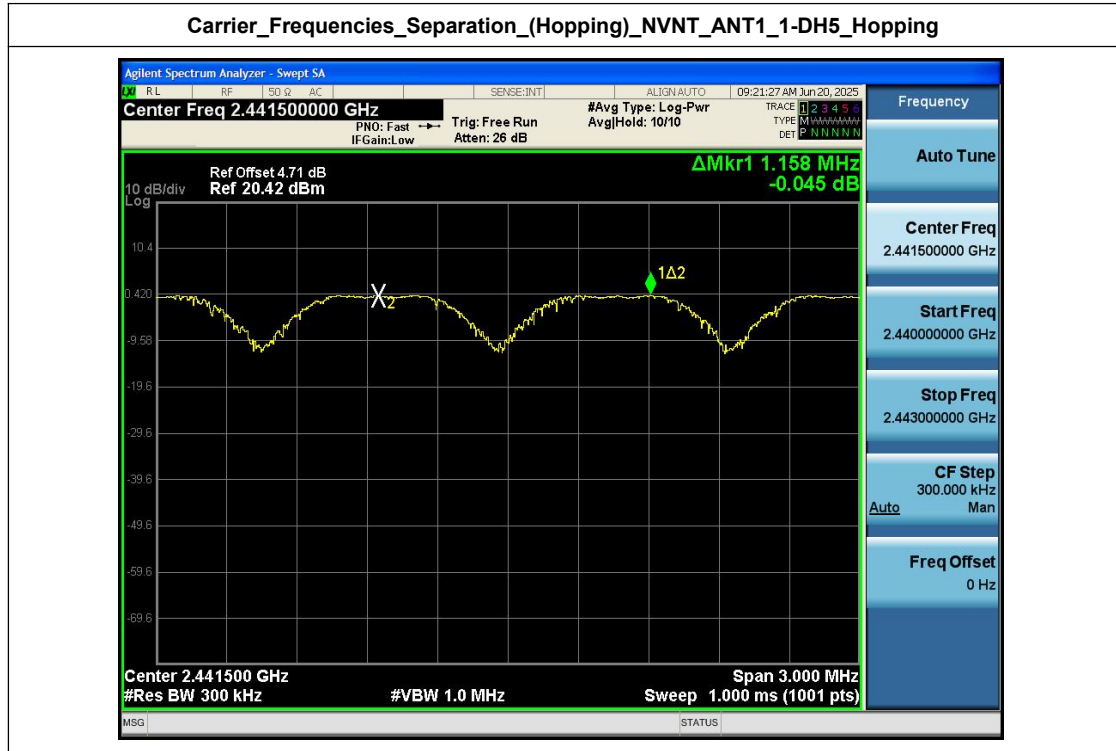
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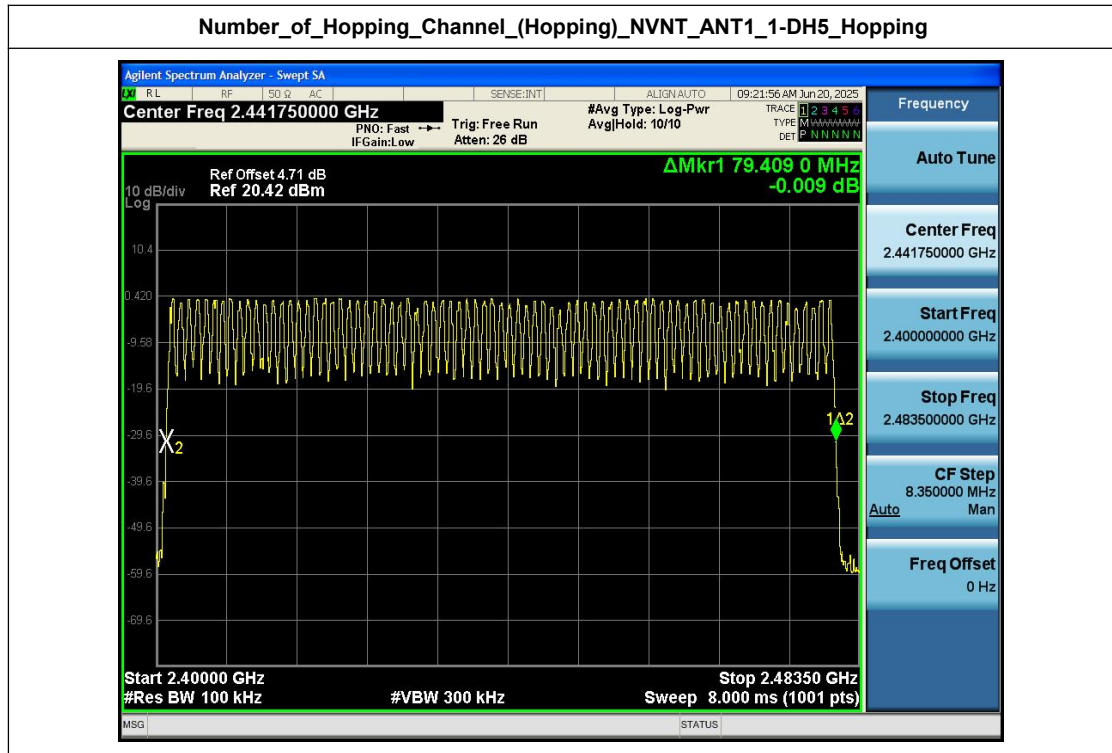
## Appendix G: Carrier Frequencies Separation (Hopping)

| Condition | Antenna | Modulation | Frequency(MHz) | Hopping NO.0 (MHz) | Hopping NO.1 (MHz) | Carrier Frequencies Separation(MHz) | Limit(MHz) | Result |
|-----------|---------|------------|----------------|--------------------|--------------------|-------------------------------------|------------|--------|
| NVNT      | ANT1    | 1-DH5      | 2441.00        | 2440.948           | 2442.106           | 1.16                                | 0.681      | Pass   |



## Appendix H: Number of Hopping Channel (Hopping)

| Condition | Antenna | Modulation | Hopping Num | Limit | Result |
|-----------|---------|------------|-------------|-------|--------|
| NVNT      | ANT1    | 1-DH5      | 79          | 15    | Pass   |



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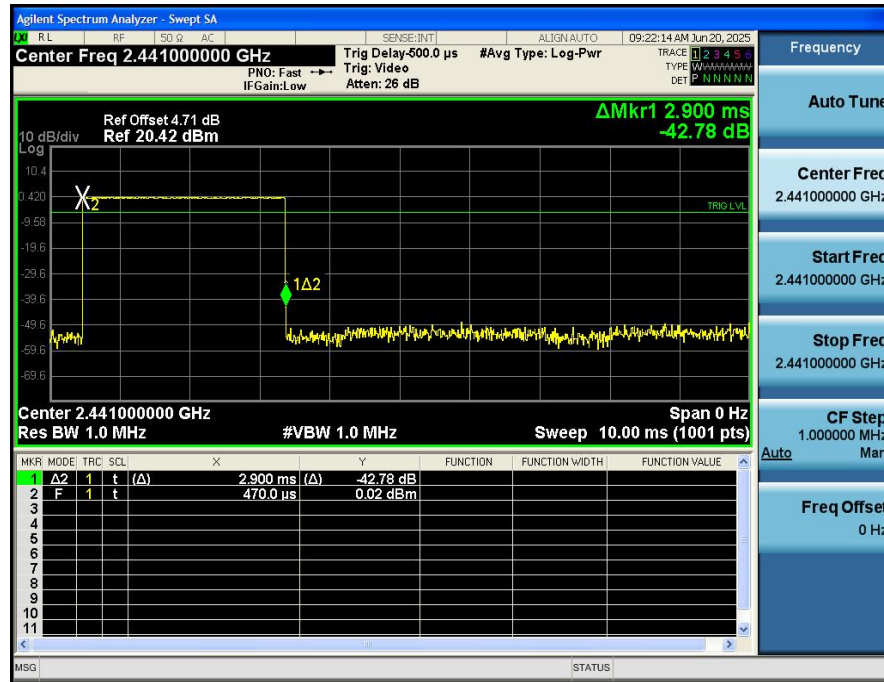
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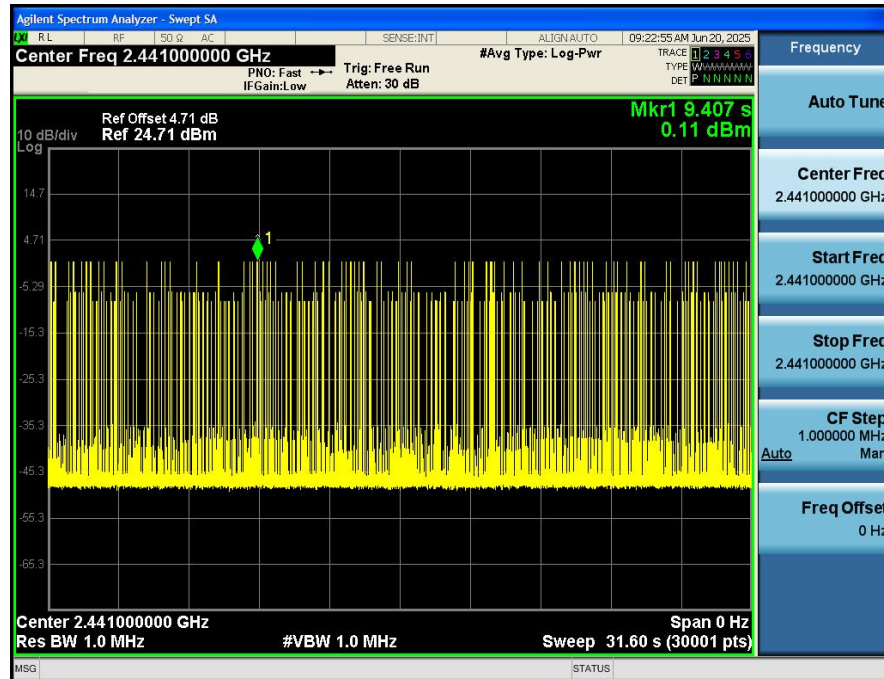
## Appendix I: Dwell Time (Hopping)

| Condition | Antenna | Packet Type | Pulse Time(ms) | Hops   | Dwell Time(ms) | Limit(s) | Result |
|-----------|---------|-------------|----------------|--------|----------------|----------|--------|
| NVNT      | ANT1    | 1-DH5       | 2.900          | 100.00 | 290.000        | 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



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