

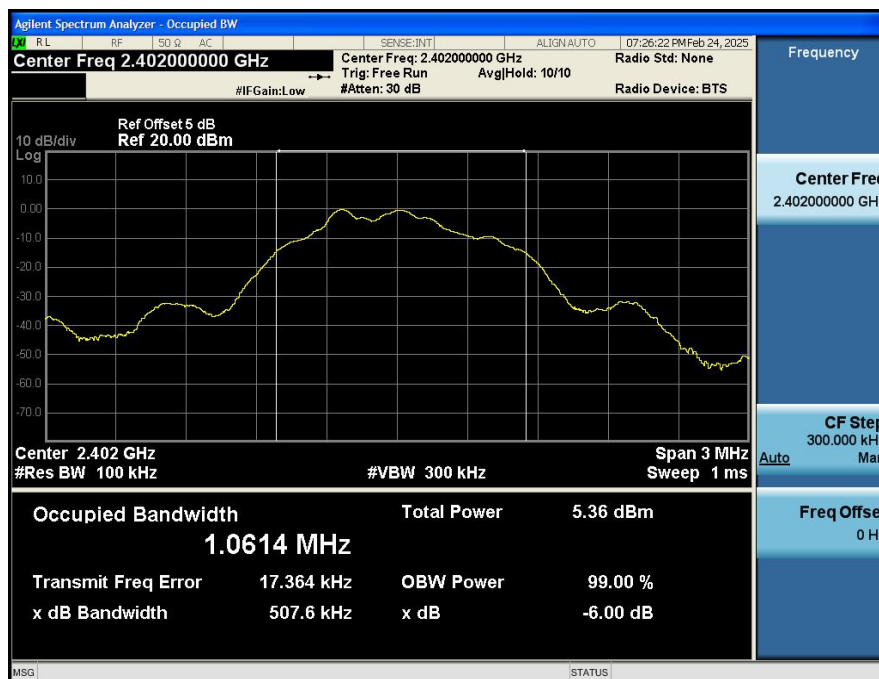
## Appendix Test Data

|                  |                      |                    |                    |
|------------------|----------------------|--------------------|--------------------|
| Report No.:      | 1812C50048112501     | Test Sample No.:   | 1-2-2              |
| Start Test Date: | 2025.2.18            | Finish Test Date:  | 2025.2.24          |
| Test Engineer:   | <i>Liangfei Yang</i> | Auditor:           | <i>Justin Feng</i> |
| Temperature:     | 24.8°C               | Relative Humidity: | 50%                |
| Pressure:        | 101kPa               |                    |                    |

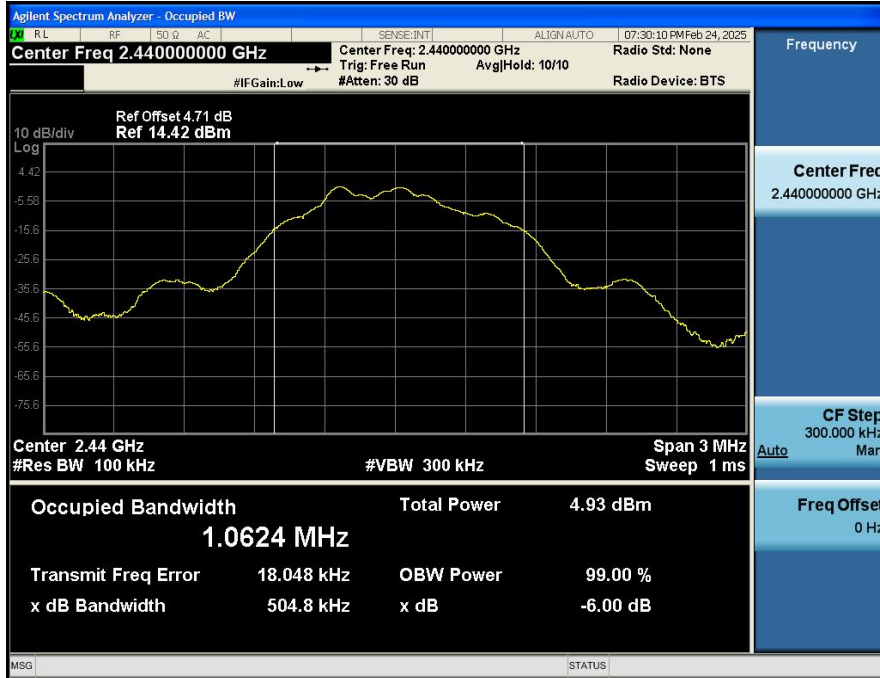
### Appendix A: -6dB Bandwidth

| Condition | Antenna | Rate  | Frequency (MHz) | -6dB BW(kHz) | limit(kHz) | Result |
|-----------|---------|-------|-----------------|--------------|------------|--------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | 507.56       | 500        | Pass   |
| NVNT      | ANT1    | 1Mbps | 2440.00         | 504.80       | 500        | Pass   |
| NVNT      | ANT1    | 1Mbps | 2480.00         | 511.22       | 500        | Pass   |

-6dB\_Bandwidth\_NVNT\_ANT1\_1Mbps\_2402



-6dB\_Bandwidth\_NVNT\_ANT1\_1Mbps\_2440



-6dB\_Bandwidth\_NVNT\_ANT1\_1Mbps\_2480



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## Appendix B: 99% Occupied Bandwidth

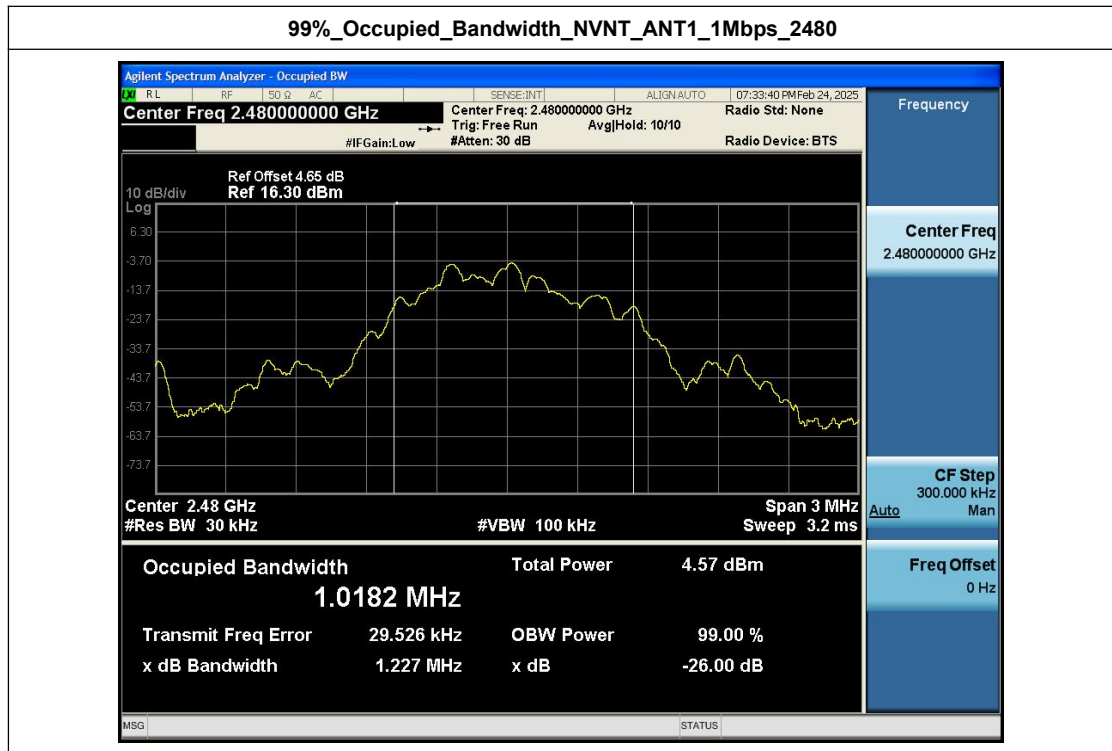
| Condition | Antenna | Rate  | Frequency (MHz) | 99%BW(MHz) |
|-----------|---------|-------|-----------------|------------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | 1.018      |
| NVNT      | ANT1    | 1Mbps | 2440.00         | 1.018      |
| NVNT      | ANT1    | 1Mbps | 2480.00         | 1.018      |

99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_1Mbps\_2402



99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_1Mbps\_2440





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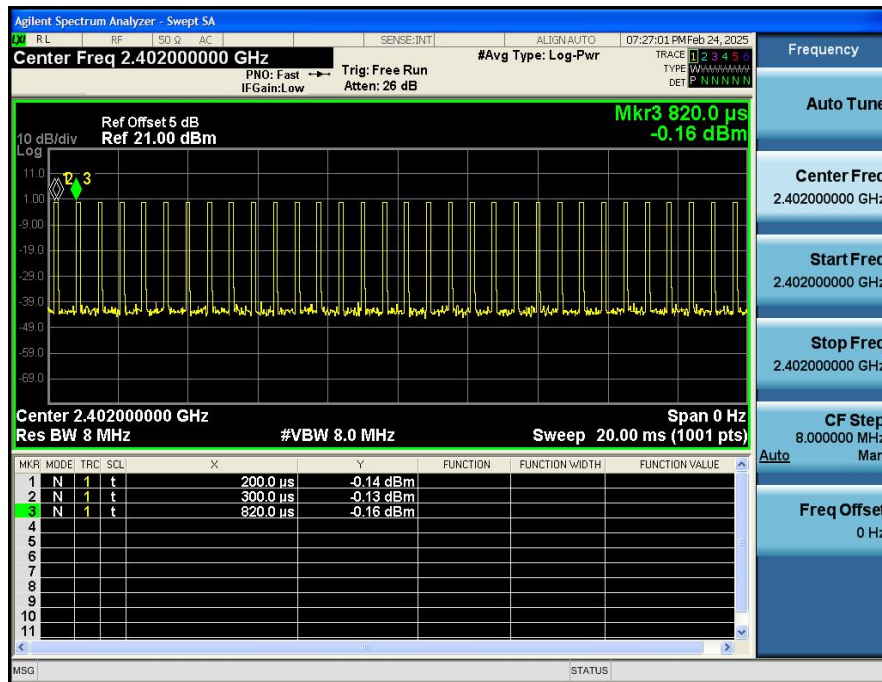


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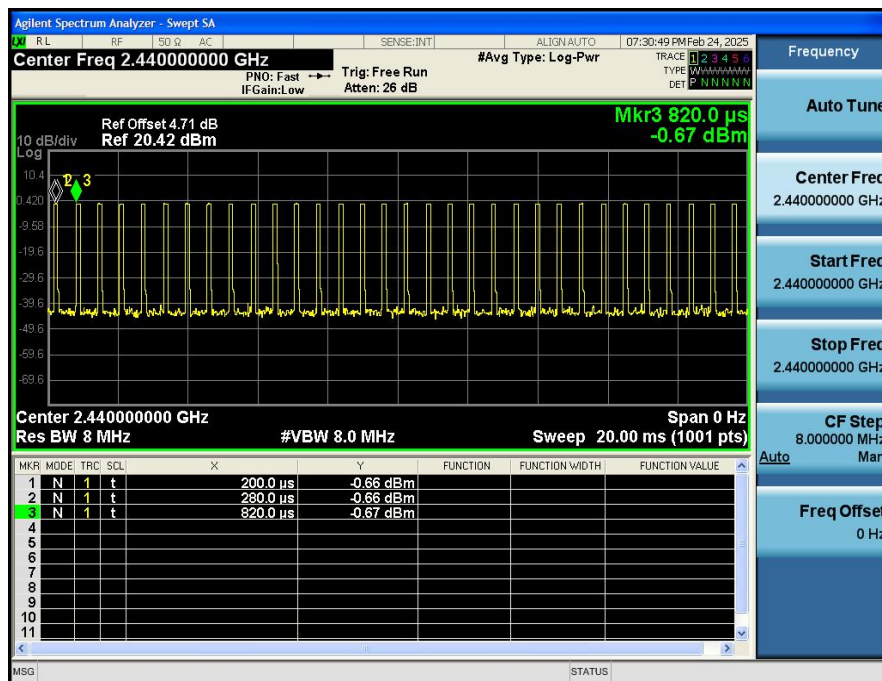
## Appendix C: Duty Cycle

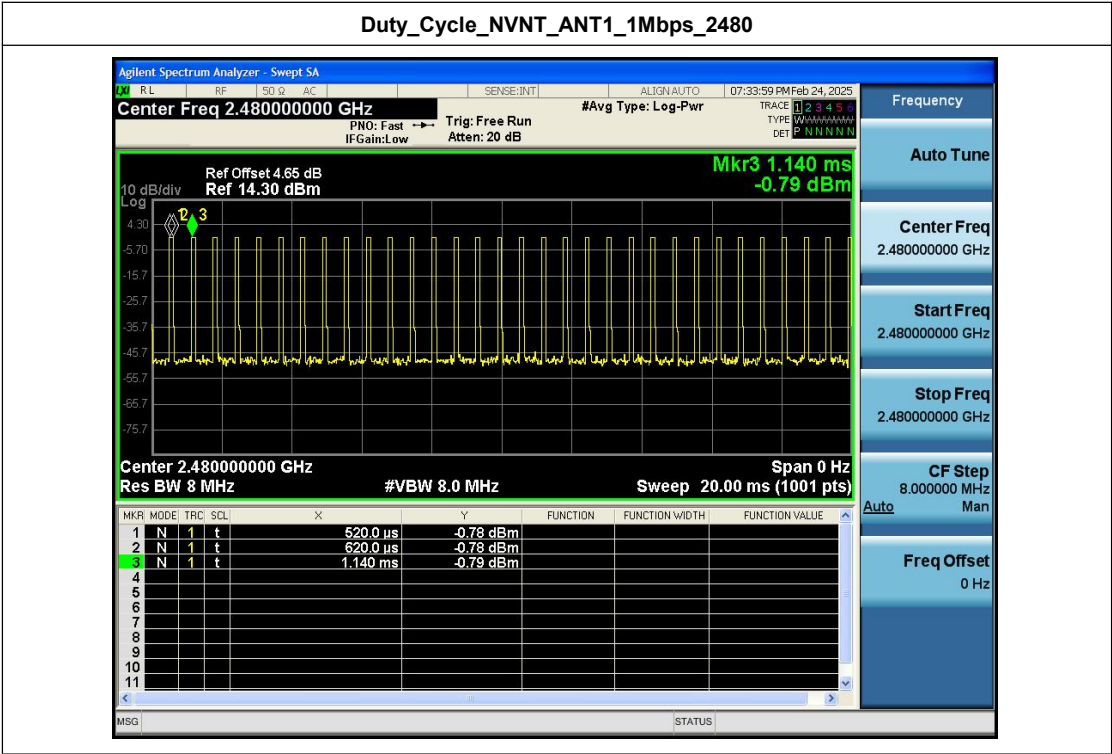
| Condition | Antenna | Rate  | Frequency (MHz) | Dutycycle(%) | Duty_factor |
|-----------|---------|-------|-----------------|--------------|-------------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | 16.13        | 7.92        |
| NVNT      | ANT1    | 1Mbps | 2440.00         | 12.90        | 8.89        |
| NVNT      | ANT1    | 1Mbps | 2480.00         | 16.13        | 7.92        |

Duty\_Cycle\_NVNT\_ANT1\_1Mbps\_2402



Duty\_Cycle\_NVNT\_ANT1\_1Mbps\_2440





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## Appendix D: Peak Output Power

| Condition | Antenna | Rate  | Frequency (MHz) | Max. Conducted Power(dBm) | Max. Conducted Power(mW) | Limit(mW) | Result |
|-----------|---------|-------|-----------------|---------------------------|--------------------------|-----------|--------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | -0.13                     | 0.97                     | 1000      | Pass   |
| NVNT      | ANT1    | 1Mbps | 2440.00         | -0.66                     | 0.86                     | 1000      | Pass   |
| NVNT      | ANT1    | 1Mbps | 2480.00         | -0.77                     | 0.84                     | 1000      | Pass   |

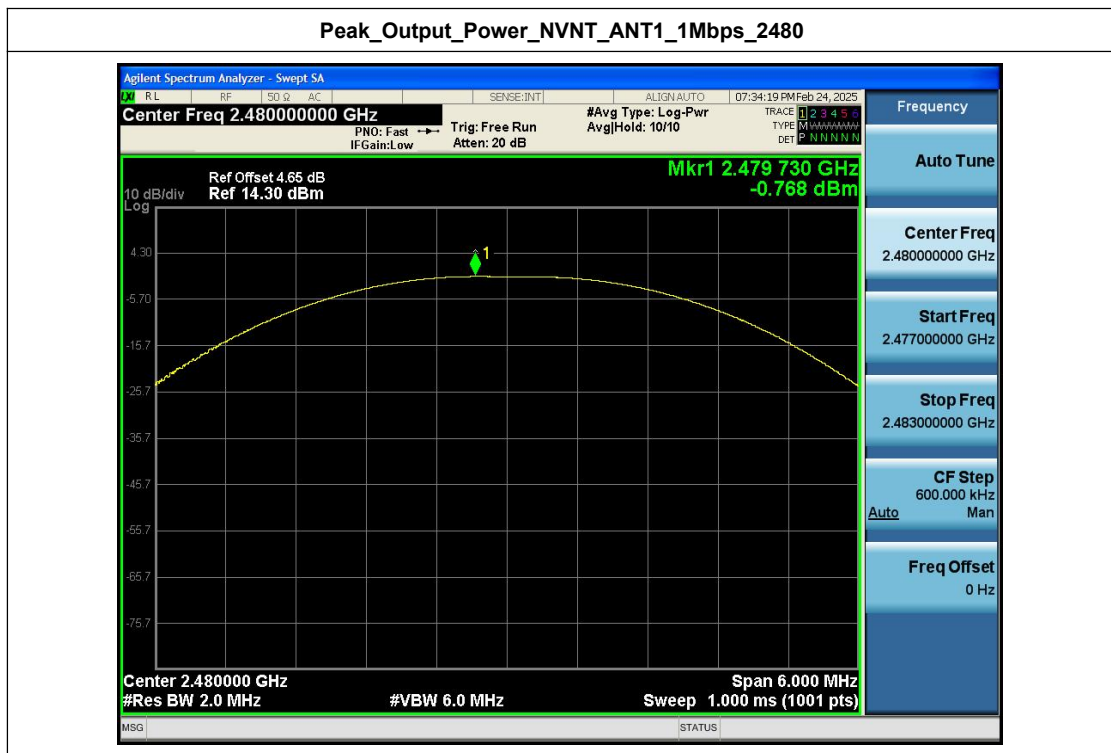
Peak\_Output\_Power\_NVNT\_ANT1\_1Mbps\_2402



Peak\_Output\_Power\_NVNT\_ANT1\_1Mbps\_2440



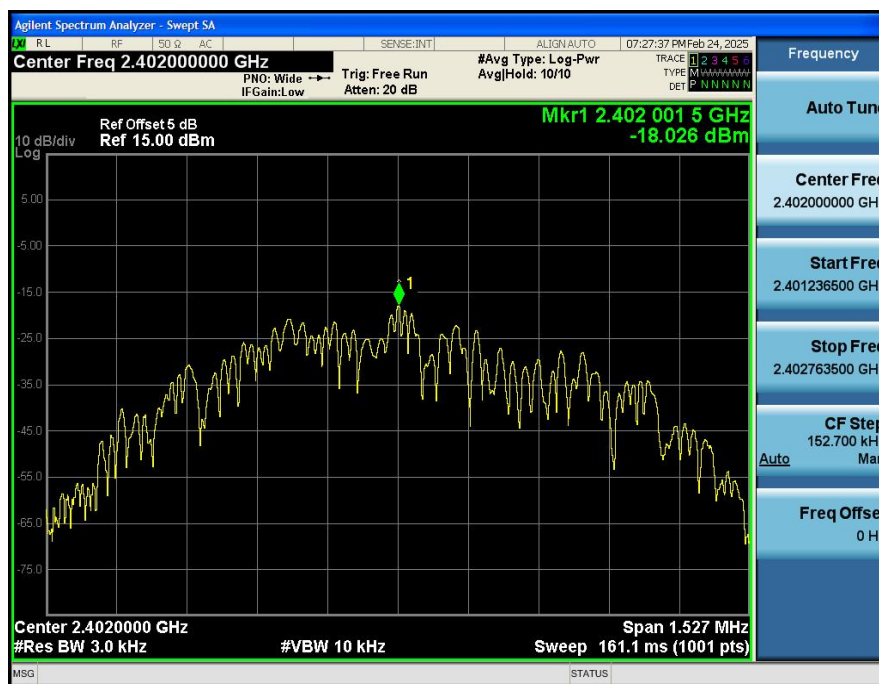
Peak\_Output\_Power\_NVNT\_ANT1\_1Mbps\_2480



## Appendix E: Power Spectral Density

| Condition | Antenna | Rate  | Frequency (MHz) | Power Spectral Density(dBm/3kHz) | Limit(dBm/3kHz) | Result |
|-----------|---------|-------|-----------------|----------------------------------|-----------------|--------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | -18.03                           | 8               | Pass   |
| NVNT      | ANT1    | 1Mbps | 2440.00         | -18.70                           | 8               | Pass   |
| NVNT      | ANT1    | 1Mbps | 2480.00         | -19.20                           | 8               | Pass   |

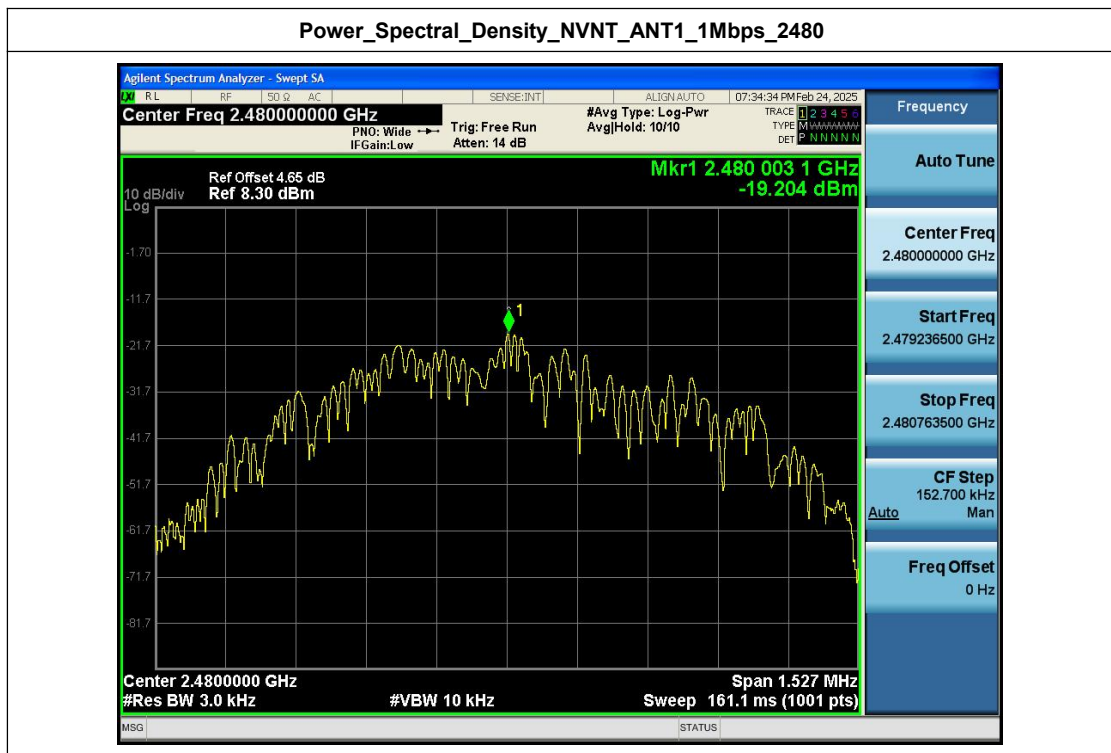
Power\_Spectral\_Density\_NVNT\_ANT1\_1Mbps\_2402



Power\_Spectral\_Density\_NVNT\_ANT1\_1Mbps\_2440



Power\_Spectral\_Density\_NVNT\_ANT1\_1Mbps\_2480



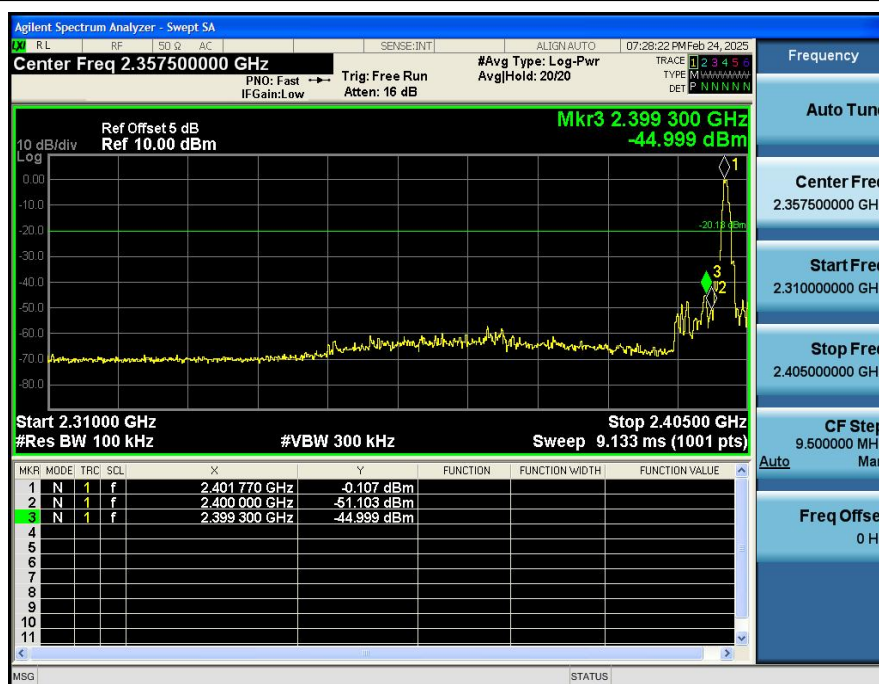
## Appendix F: Bandedge

| Condition | Antenna | Modulation | TX_Frequency (MHz) | Max. Mark_freq(MHz) | Ref_level(dBm) | Spurious level(dBm) | limit(dBm) | Result |
|-----------|---------|------------|--------------------|---------------------|----------------|---------------------|------------|--------|
| NVNT      | ANT1    | 1Mbps      | 2402.00            | 2399.300            | -0.184         | -44.999             | -20.184    | Pass   |
| NVNT      | ANT1    | 1Mbps      | 2480.00            | 2483.625            | -0.805         | -51.941             | -20.805    | Pass   |

1\_Reference\_Level\_NVNT\_ANT1\_1Mbps\_2402



2\_Bandedge\_NVNT\_ANT1\_1Mbps\_2402



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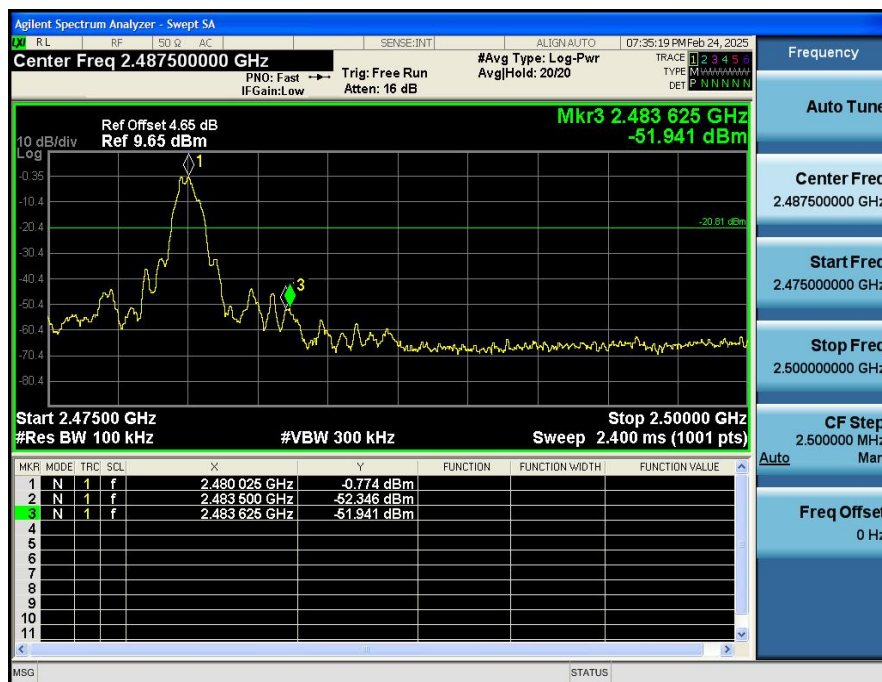
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### 1\_Reference\_Level\_NVNT\_ANT1\_1Mbps\_2480



### 2\_Bandedge\_NVNT\_ANT1\_1Mbps\_2480



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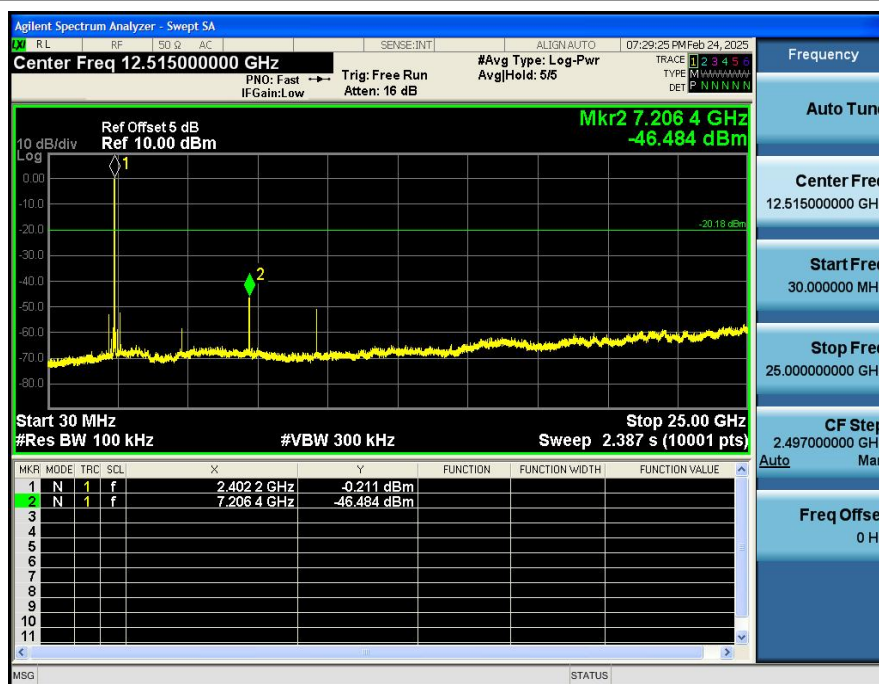
## Appendix G: Spurious Emission

| Condition | Antenna | Modulation | TX_Frequency (MHz) | Ref_level(dBm) | Spurious level(dBm) | limit(dBm) | Result |
|-----------|---------|------------|--------------------|----------------|---------------------|------------|--------|
| NVNT      | ANT1    | 1Mbps      | 2402.00            | -0.184         | -46.484             | -20.184    | Pass   |
| NVNT      | ANT1    | 1Mbps      | 2440.00            | -0.716         | -45.510             | -20.716    | Pass   |
| NVNT      | ANT1    | 1Mbps      | 2480.00            | -0.805         | -46.773             | -20.805    | Pass   |

1\_Reference\_Level\_NVNT\_ANT1\_1Mbps\_2402



2\_Spurious\_Emission\_NVNT\_ANT1\_1Mbps\_2402

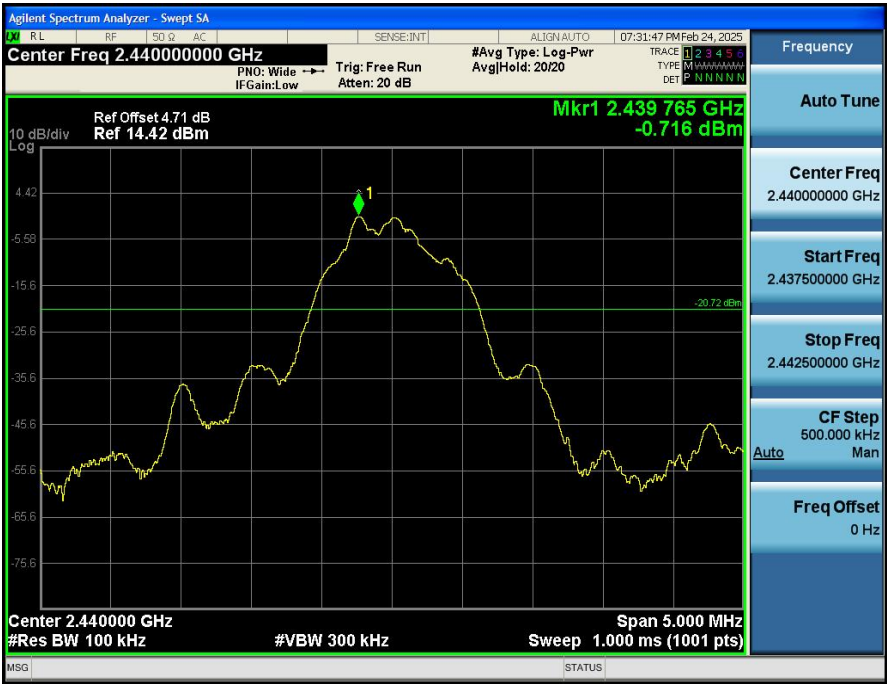


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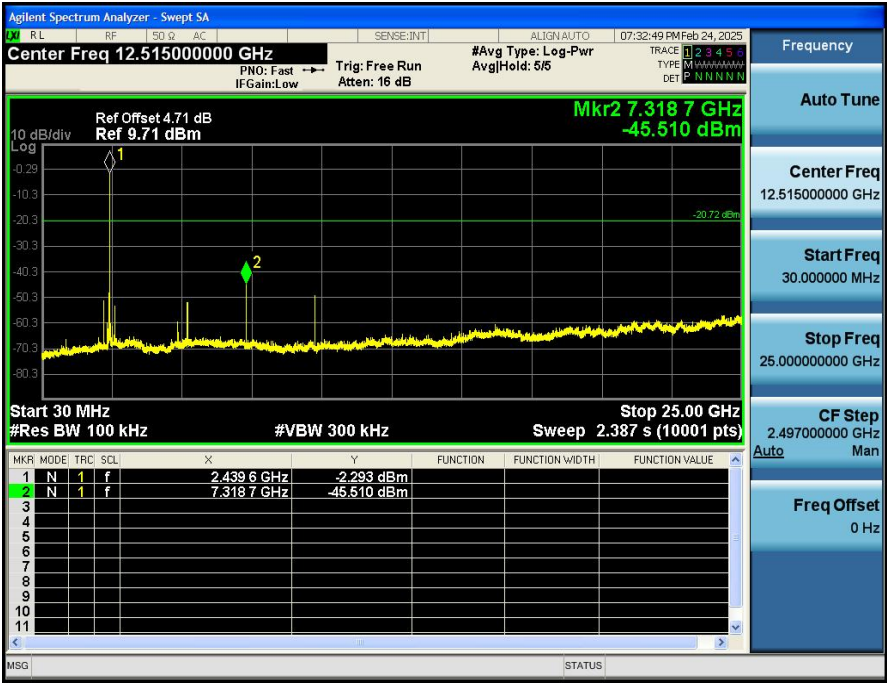
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1\_Reference\_Level\_NVNT\_ANT1\_1Mbps\_2440



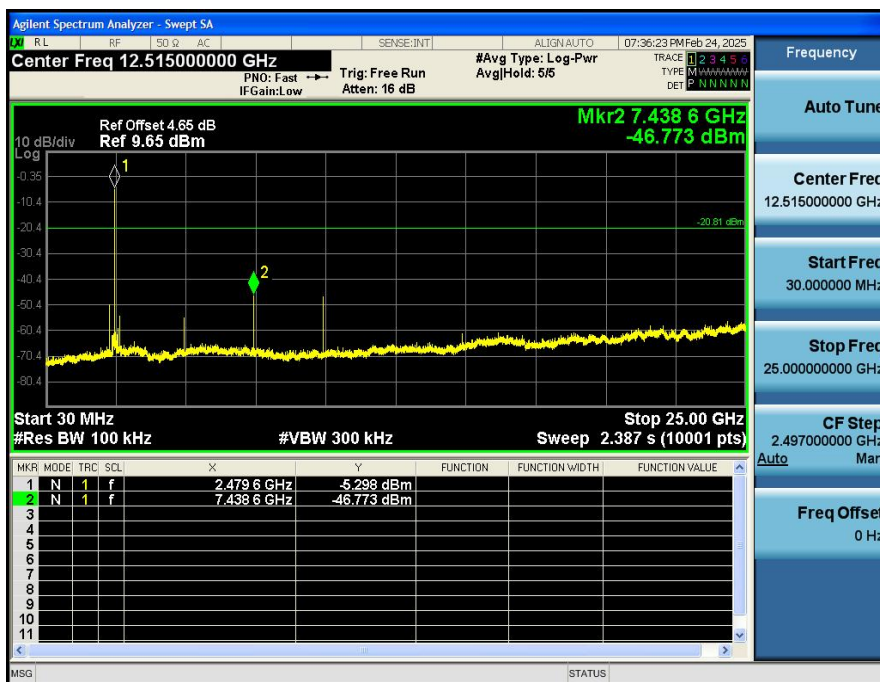
2\_Spurious\_Emission\_NVNT\_ANT1\_1Mbps\_2440



1\_Reference\_Level\_NVNT\_ANT1\_1Mbps\_2480



2\_Spurious\_Emission\_NVNT\_ANT1\_1Mbps\_2480



---END---

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