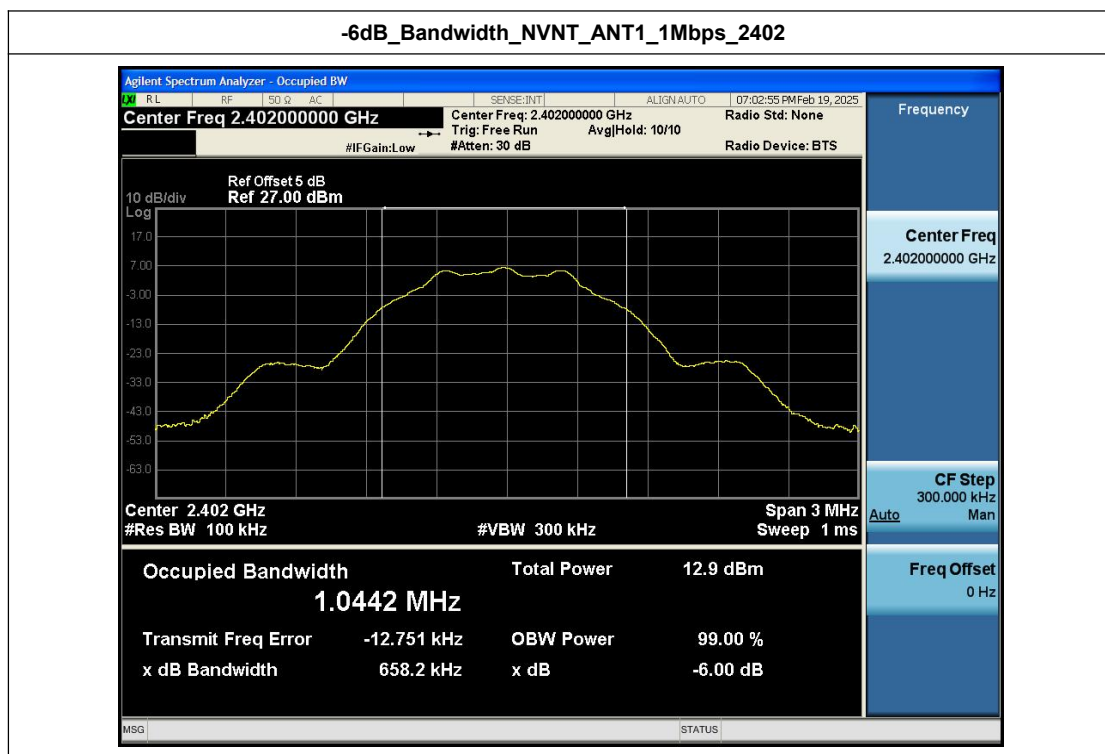


## Appendix Test Data

|                  |                      |                    |                    |
|------------------|----------------------|--------------------|--------------------|
| Report No.:      | 1812C50010012501     | Test Sample No.:   | 1-2-2              |
| Start Test Date: | 2025.2.17            | Finish Test Date:  | 2025.2.19          |
| Test Engineer:   | <i>Liangfei Yang</i> | Auditor:           | <i>Justin Feng</i> |
| Temperature:     | 21.3°C               | Relative Humidity: | 40%                |
| Pressure:        | 101kPa               |                    |                    |

### Appendix A: -6dB Bandwidth

| Condition | Antenna | Rate  | Frequency (MHz) | -6dB BW(kHz) | limit(kHz) | Result |
|-----------|---------|-------|-----------------|--------------|------------|--------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | 658.25       | 500        | Pass   |
| NVNT      | ANT1    | 1Mbps | 2440.00         | 654.61       | 500        | Pass   |
| NVNT      | ANT1    | 1Mbps | 2480.00         | 661.05       | 500        | Pass   |



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



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



## Appendix B: 99% Occupied Bandwidth

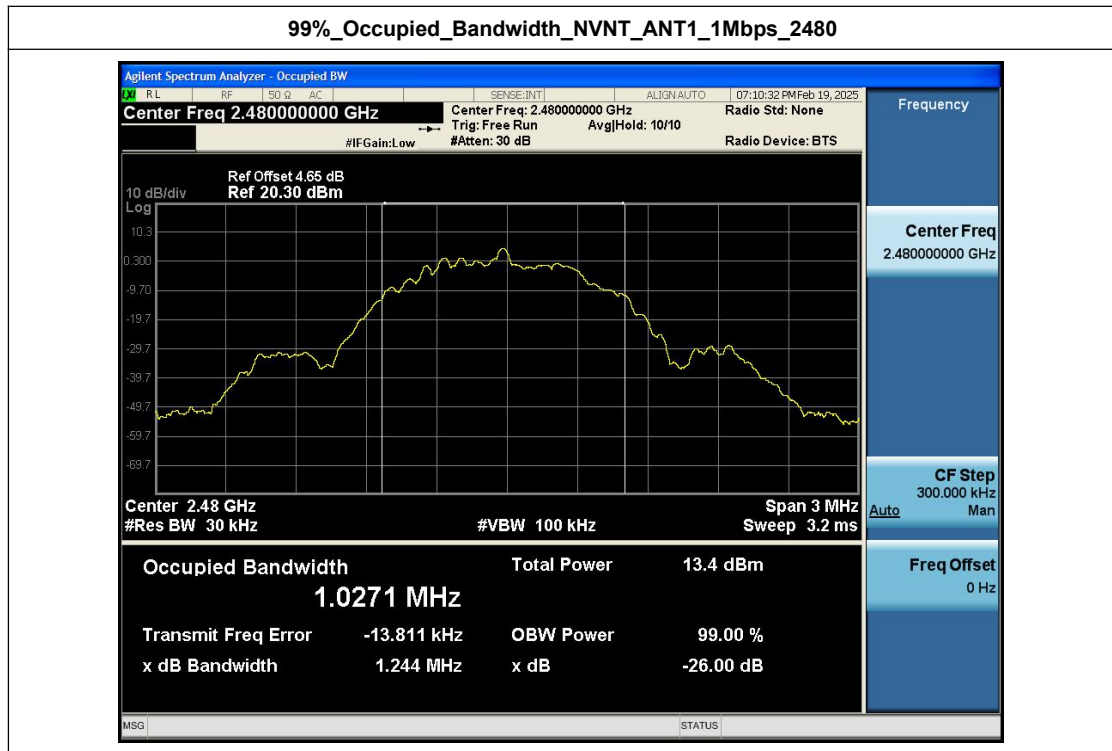
| Condition | Antenna | Rate  | Frequency (MHz) | 99% BW (MHz) |
|-----------|---------|-------|-----------------|--------------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | 1.028        |
| NVNT      | ANT1    | 1Mbps | 2440.00         | 1.035        |
| NVNT      | ANT1    | 1Mbps | 2480.00         | 1.027        |

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



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





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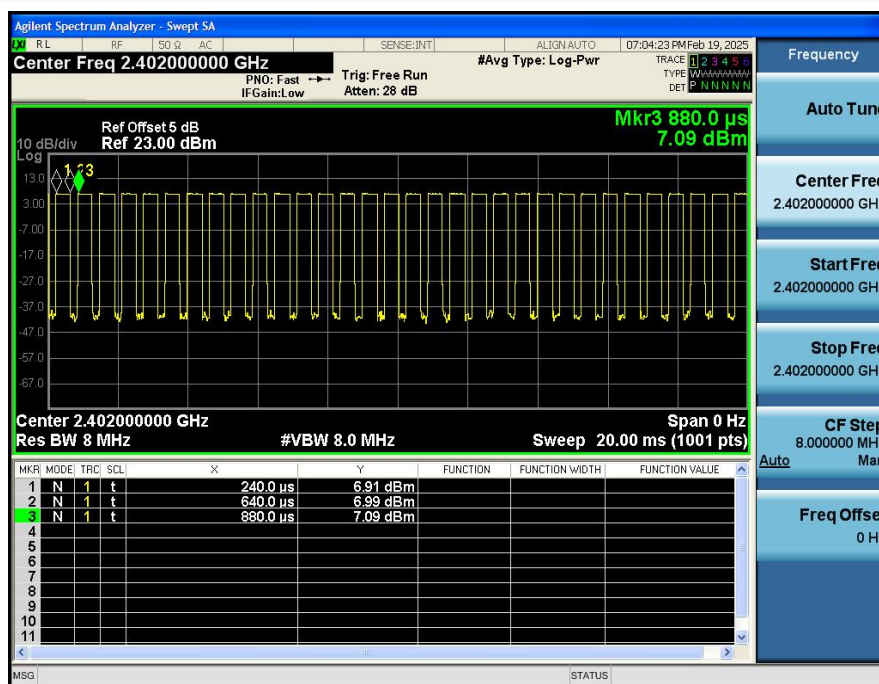
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,  
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China  
Tel: (86) 0755-26066440 Email: service@anbotek.com

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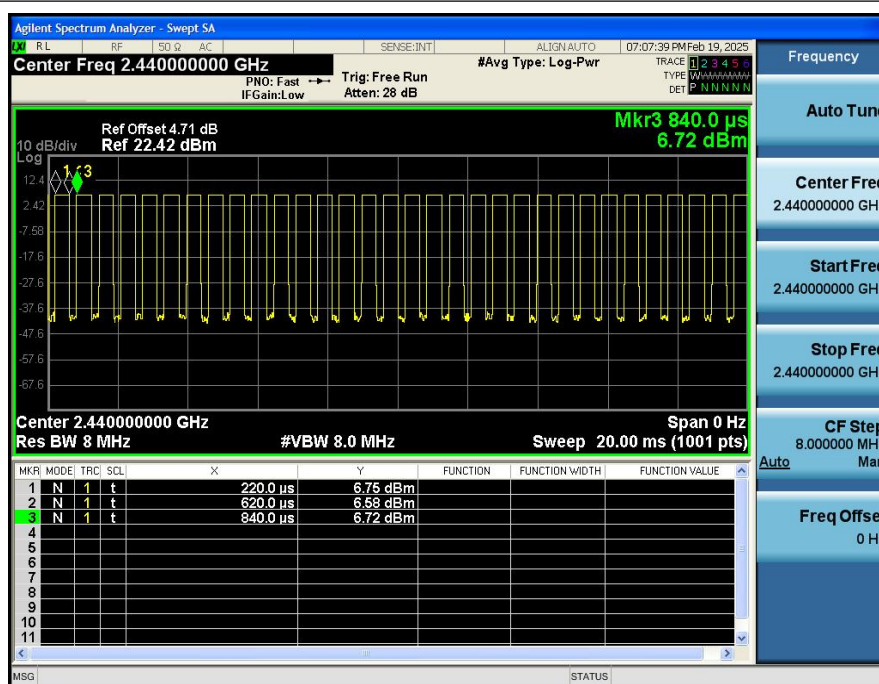
## Appendix C: Duty Cycle

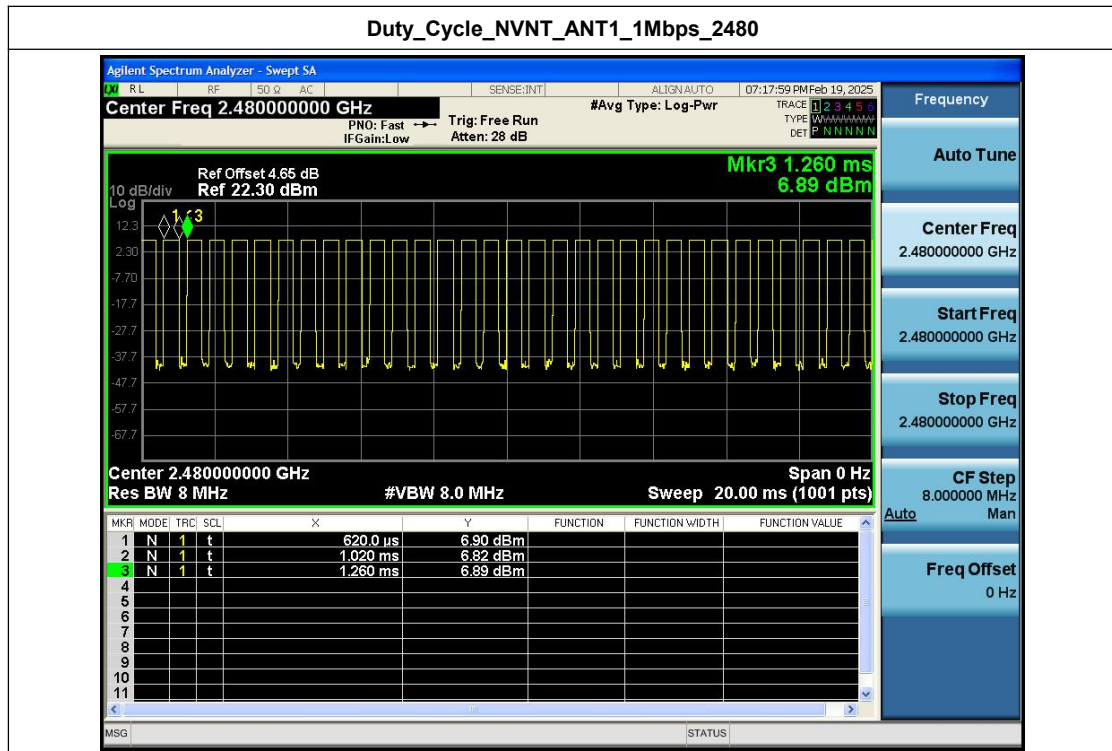
| Condition | Antenna | Rate  | Frequency (MHz) | Dutycycle(%) | Duty_factor |
|-----------|---------|-------|-----------------|--------------|-------------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | 65.62        | 1.83        |
| NVNT      | ANT1    | 1Mbps | 2440.00         | 67.74        | 1.69        |
| NVNT      | ANT1    | 1Mbps | 2480            | 65.63        | 1.83        |

Duty\_Cycle\_NVNT\_ANT1\_1Mbps\_2402



Duty\_Cycle\_NVNT\_ANT1\_1Mbps\_2440





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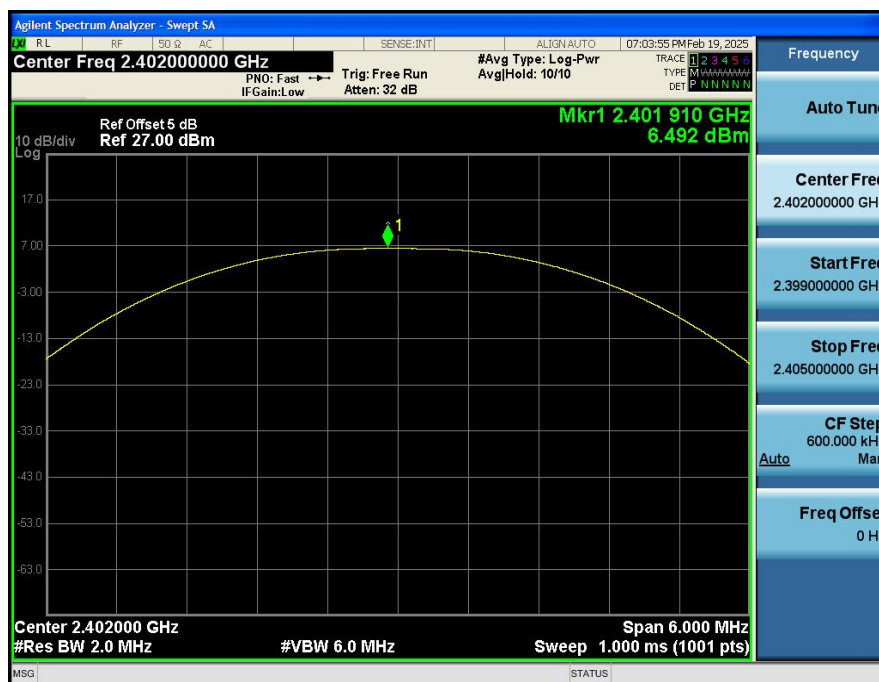
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,  
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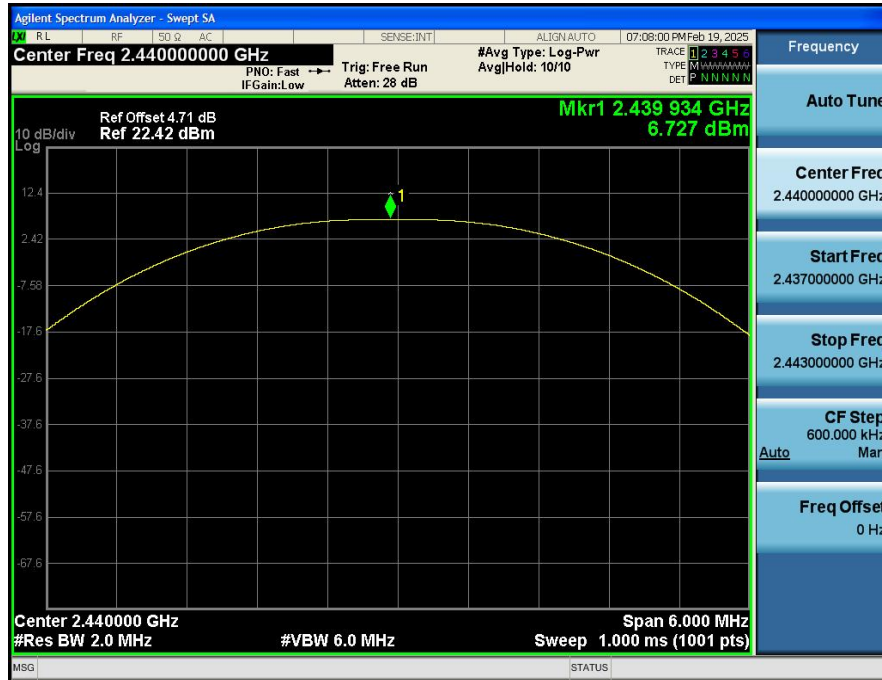
## Appendix D: Peak Output Power

| Condition | Antenna | Rate  | Frequency (MHz) | Max. Conducted Power(dBm) | Max. Conducted Power(mW) | Limit(mW) | Result |
|-----------|---------|-------|-----------------|---------------------------|--------------------------|-----------|--------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | 6.49                      | 4.46                     | 1000      | Pass   |
| NVNT      | ANT1    | 1Mbps | 2440.00         | 6.73                      | 4.71                     | 1000      | Pass   |
| NVNT      | ANT1    | 1Mbps | 2480.00         | 6.92                      | <b>4.92</b>              | 1000      | Pass   |

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



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



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



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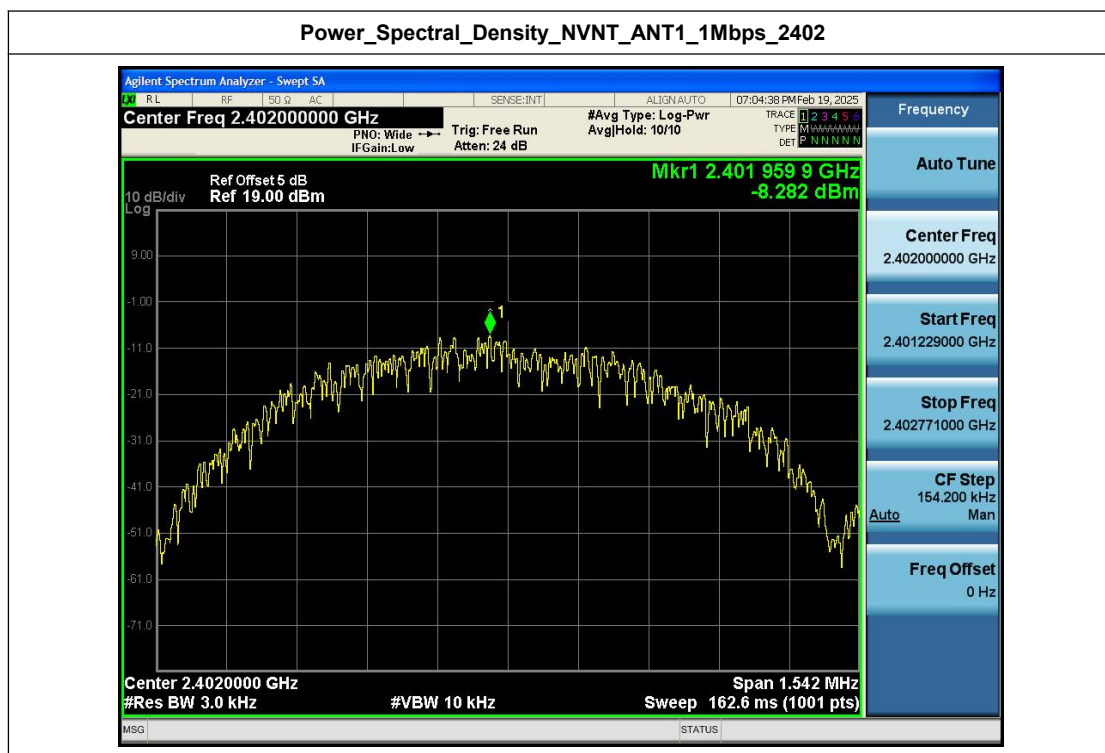
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,  
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## Appendix E: Power Spectral Density

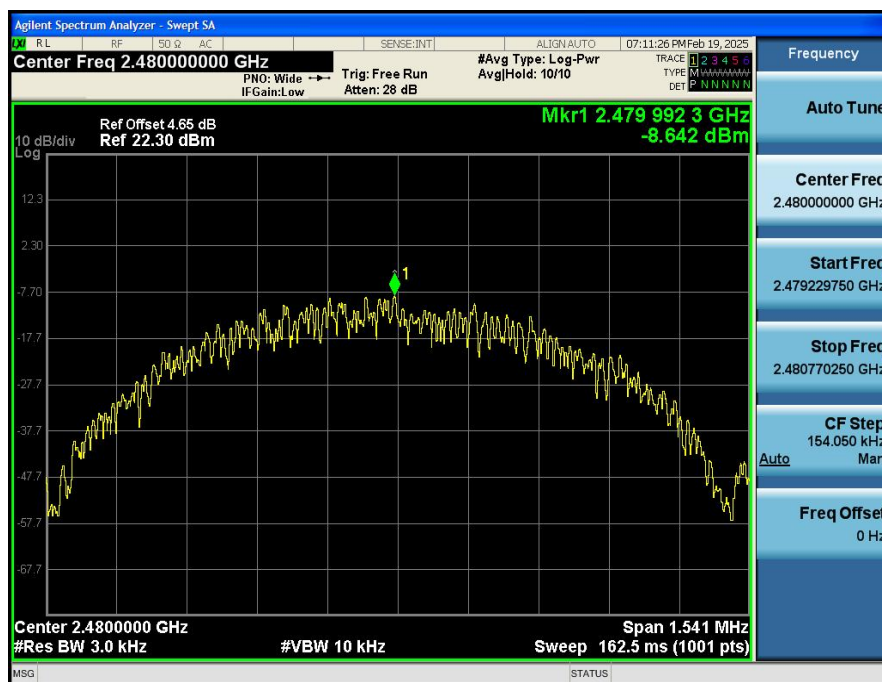
| Condition | Antenna | Rate  | Frequency (MHz) | Power Spectral Density(dBm/3kHz) | Limit(dBm/3kHz) | Result |
|-----------|---------|-------|-----------------|----------------------------------|-----------------|--------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | -8.28                            | 8               | Pass   |
| NVNT      | ANT1    | 1Mbps | 2440.00         | -9.43                            | 8               | Pass   |
| NVNT      | ANT1    | 1Mbps | 2480.00         | -8.64                            | 8               | Pass   |



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



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



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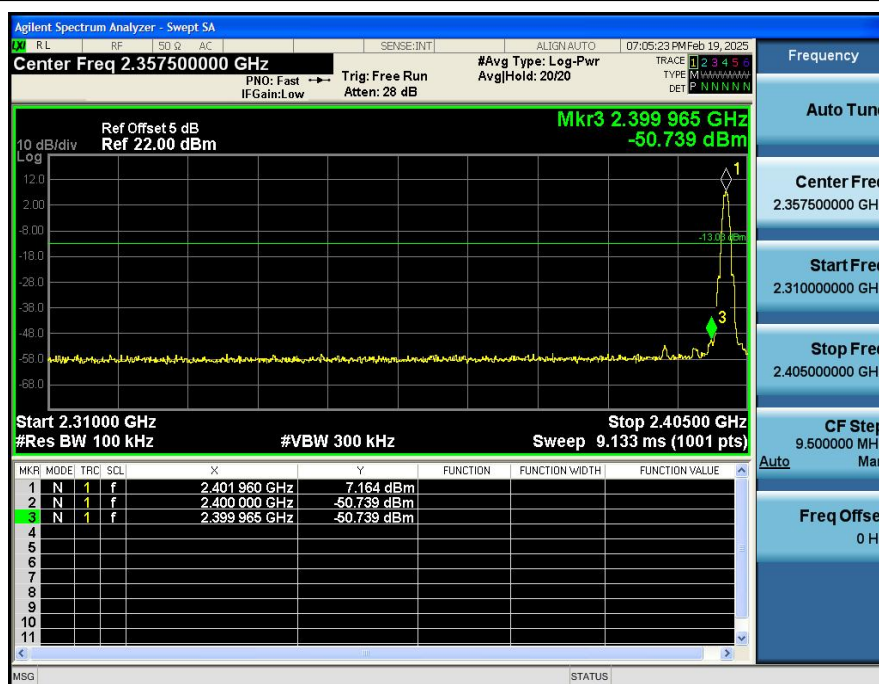
## Appendix F: Bandedge

| Condition | Antenna | Modulation | TX_Frequency (MHz) | Max. Mark_freq(MHz) | Ref_level(dBm) | Spurious level(dBm) | limit(dBm) | Result |
|-----------|---------|------------|--------------------|---------------------|----------------|---------------------|------------|--------|
| NVNT      | ANT1    | 1Mbps      | 2402.00            | 2399.965            | 6.968          | -50.739             | -13.032    | Pass   |
| NVNT      | ANT1    | 1Mbps      | 2480.00            | 2488.275            | 6.920          | -53.934             | -13.080    | Pass   |

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



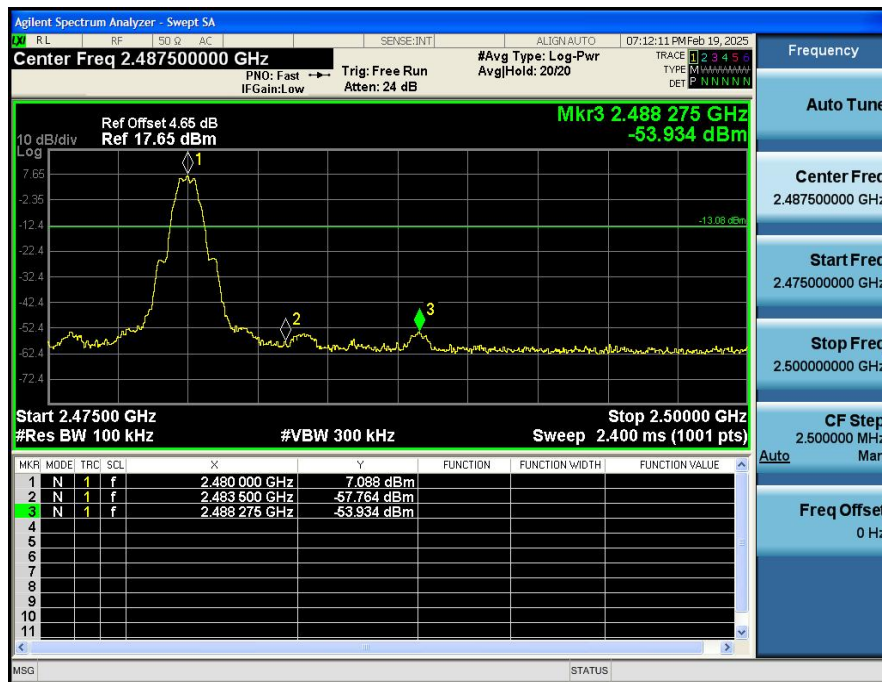
2\_Bandedge\_NVNT\_ANT1\_1Mbps\_2402



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



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



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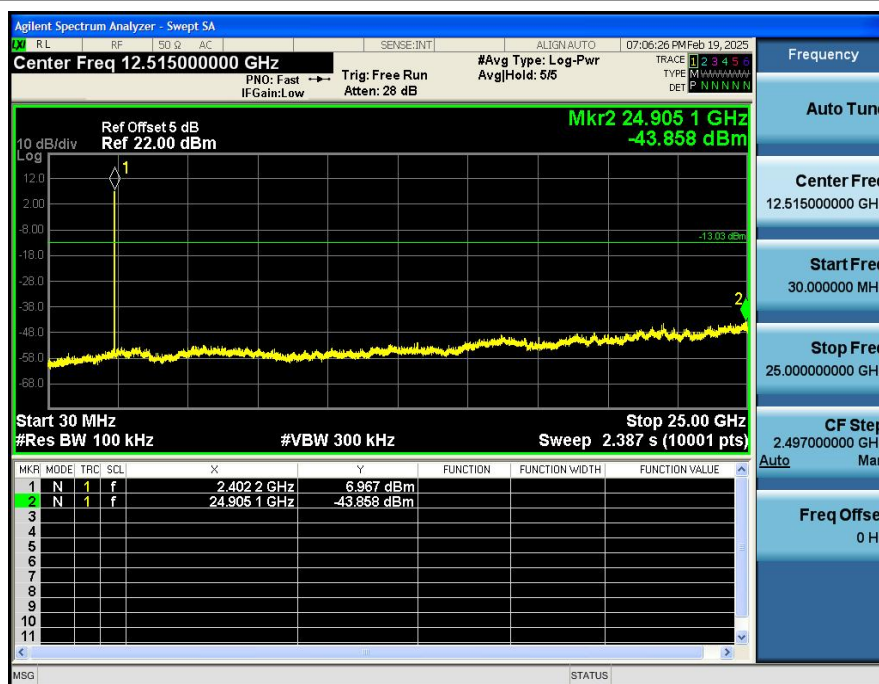
## Appendix G: Spurious Emission

| Condition | Antenna | Modulation | TX_Frequency (MHz) | Ref_level(dBm) | Spurious level(dBm) | limit(dBm) | Result |
|-----------|---------|------------|--------------------|----------------|---------------------|------------|--------|
| NVNT      | ANT1    | 1Mbps      | 2402.00            | 6.968          | -43.858             | -13.032    | Pass   |
| NVNT      | ANT1    | 1Mbps      | 2440.00            | 6.724          | -47.957             | -13.276    | Pass   |
| NVNT      | ANT1    | 1Mbps      | 2480.00            | 6.920          | -48.679             | -13.080    | Pass   |

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



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



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



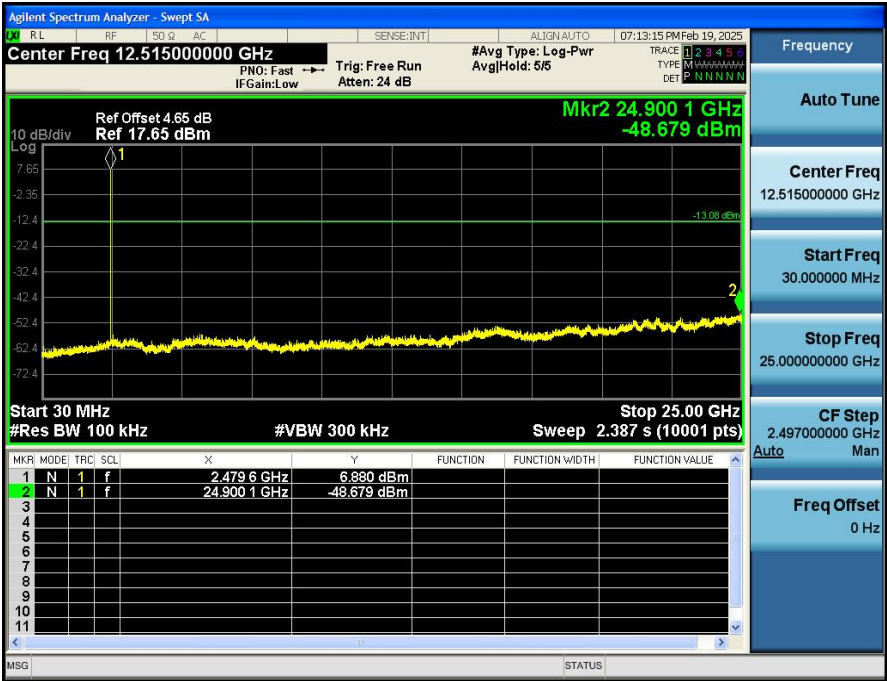
2\_Spurious\_Emission\_NVNT\_ANT1\_1Mbps\_2440



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



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



---END---