

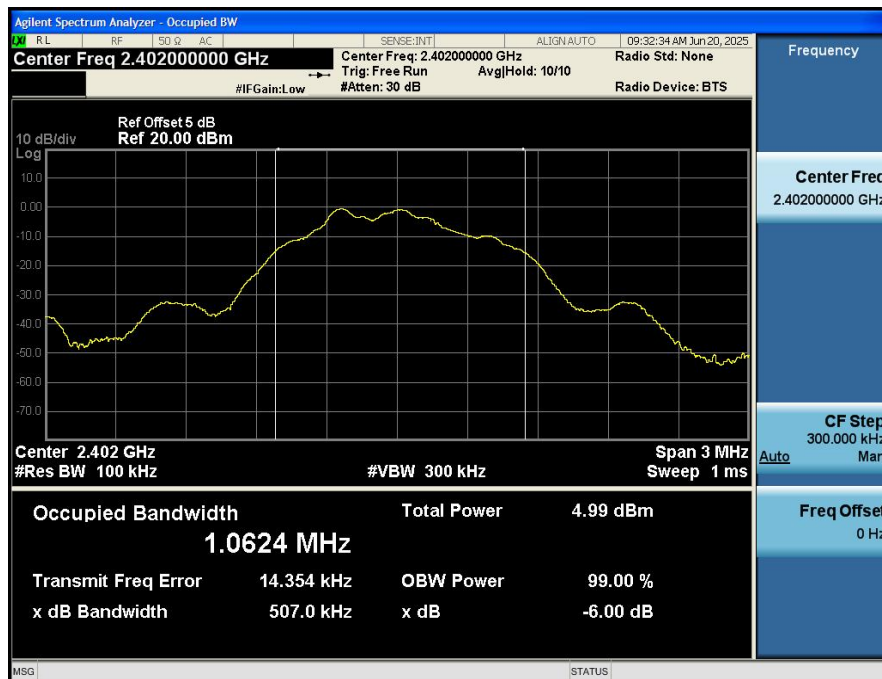
## Appendix Test Data

|                  |                      |                    |                    |
|------------------|----------------------|--------------------|--------------------|
| Report No.:      | 1813C50279912502     | 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               |                    |                    |

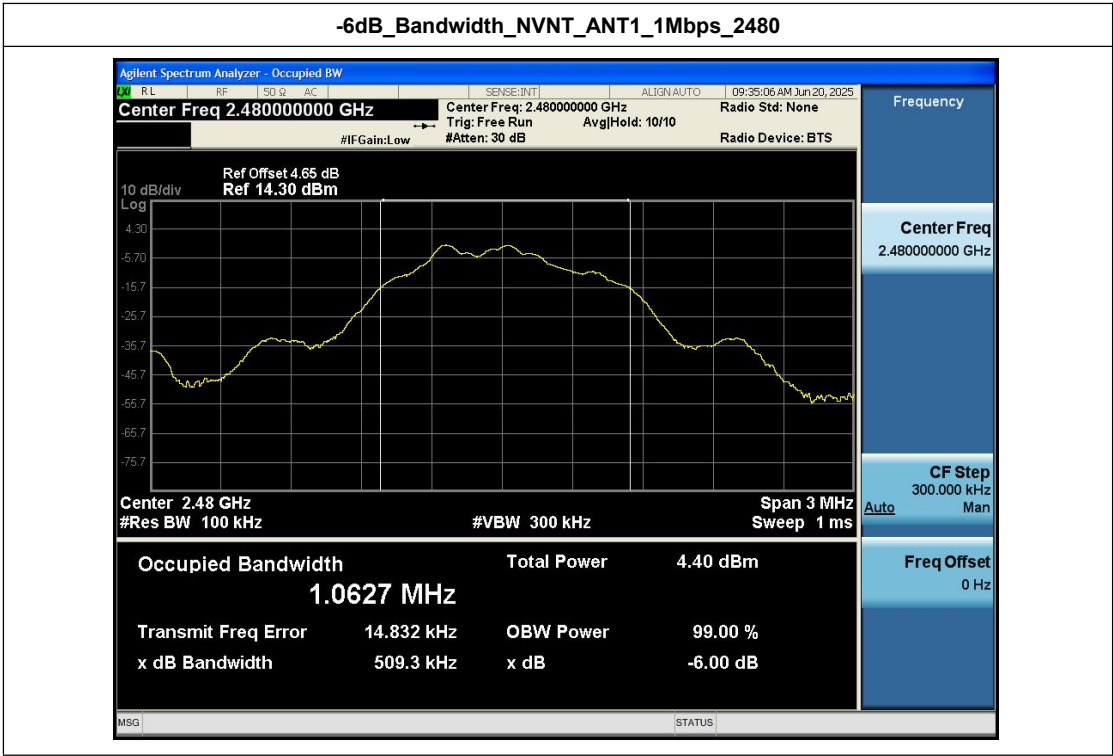
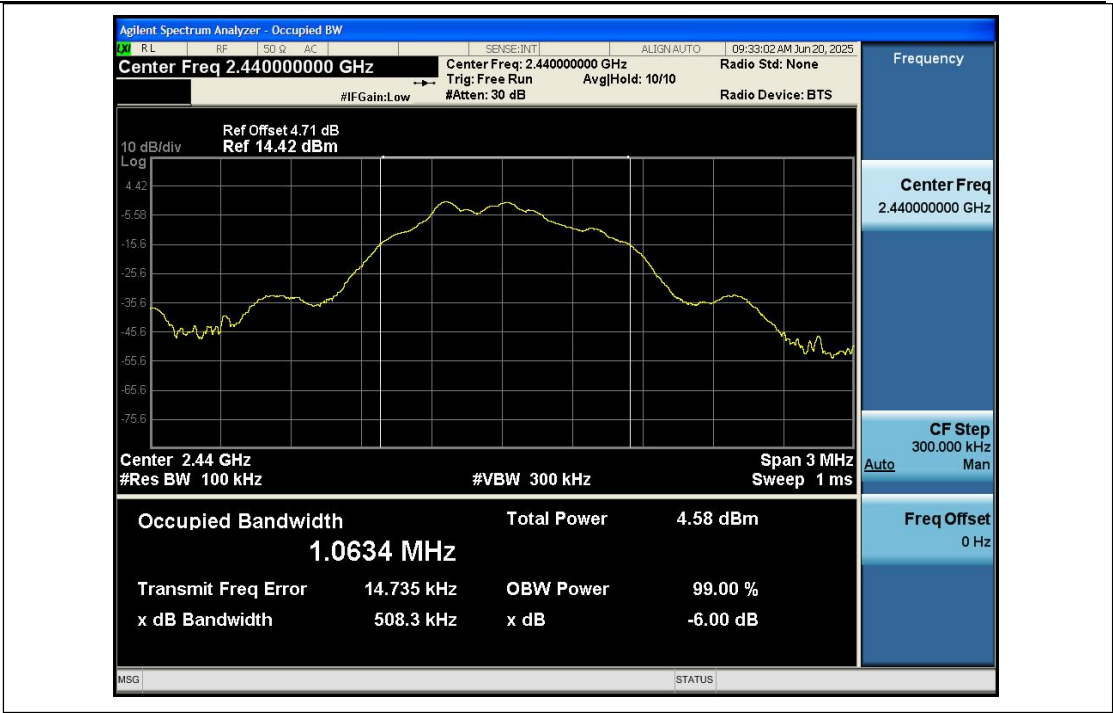
### Appendix A: -6dB Bandwidth

| Condition | Antenna | Rate  | Frequency (MHz) | -6dB BW(kHz) | limit(kHz) | Result |
|-----------|---------|-------|-----------------|--------------|------------|--------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | 507.01       | 500        | Pass   |
| NVNT      | ANT1    | 1Mbps | 2440.00         | 508.31       | 500        | Pass   |
| NVNT      | ANT1    | 1Mbps | 2480.00         | 509.28       | 500        | Pass   |

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



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



## Appendix B: 99% Occupied Bandwidth

| Condition | Antenna | Rate  | Frequency (MHz) | 99%BW(MHz) |
|-----------|---------|-------|-----------------|------------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | 1.019      |
| NVNT      | ANT1    | 1Mbps | 2440.00         | 1.019      |
| NVNT      | ANT1    | 1Mbps | 2480.00         | 1.019      |

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



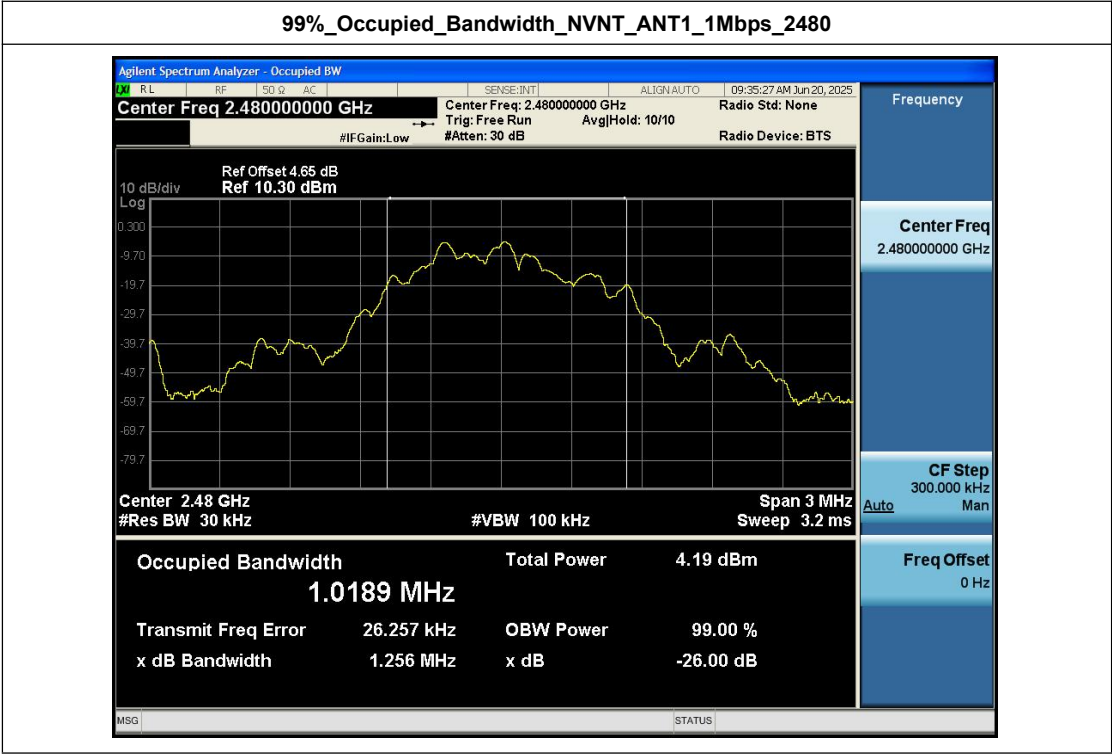
99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_1Mbps\_2440



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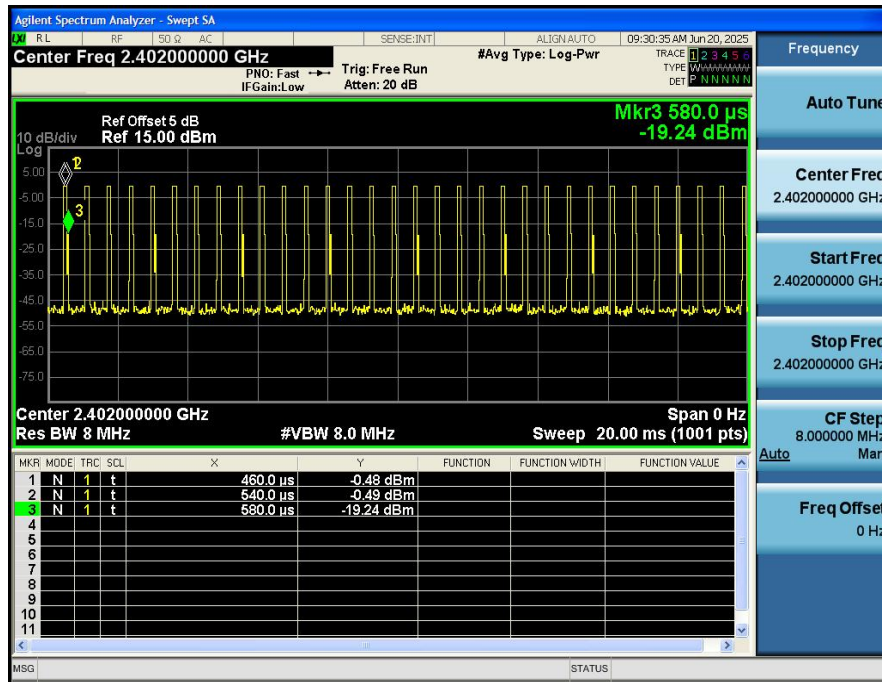
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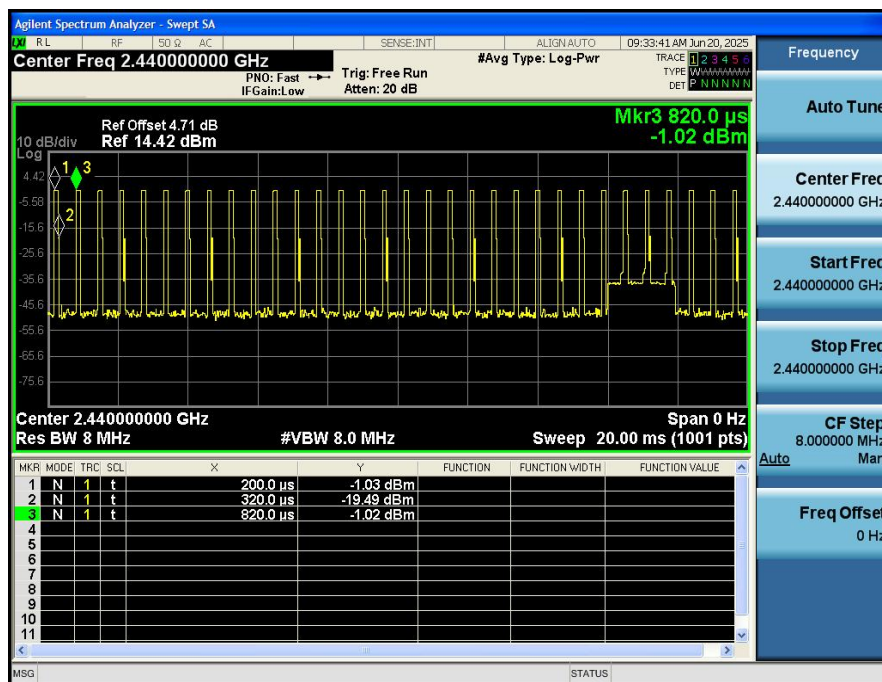
## Appendix C: Duty Cycle

| Condition | Antenna | Rate  | Frequency (MHz) | Dutycycle(%) | Duty_factor |
|-----------|---------|-------|-----------------|--------------|-------------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | 66.67        | 1.76        |
| NVNT      | ANT1    | 1Mbps | 2440.00         | 19.35        | 7.13        |
| NVNT      | ANT1    | 1Mbps | 2480.00         | 18.75        | 7.27        |

Duty\_Cycle\_NVNT\_ANT1\_1Mbps\_2402



Duty\_Cycle\_NVNT\_ANT1\_1Mbps\_2440

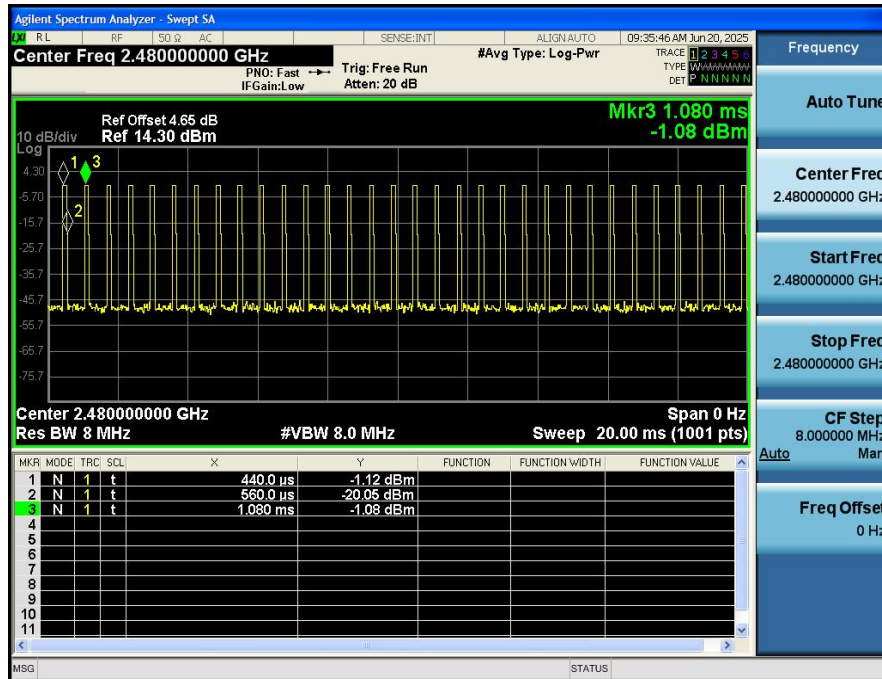


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Duty\_Cycle\_NVNT\_ANT1\_1Mbps\_2480



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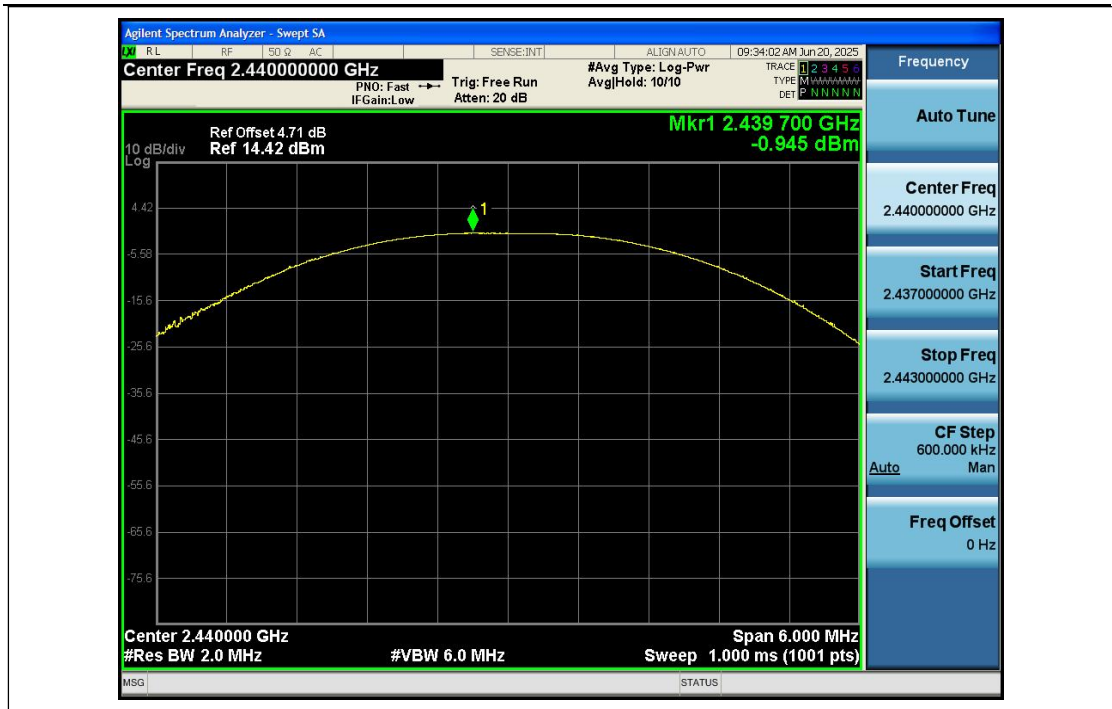
## Appendix D: Peak Output Power

| Condition | Antenna | Rate  | Frequency (MHz) | Max. Conducted Power(dBm) | Max. Conducted Power(mW) | Limit(mW) | Result |
|-----------|---------|-------|-----------------|---------------------------|--------------------------|-----------|--------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | -0.49                     | 0.89                     | 1000      | Pass   |
| NVNT      | ANT1    | 1Mbps | 2440.00         | -0.94                     | 0.80                     | 1000      | Pass   |
| NVNT      | ANT1    | 1Mbps | 2480.00         | -1.09                     | 0.78                     | 1000      | Pass   |

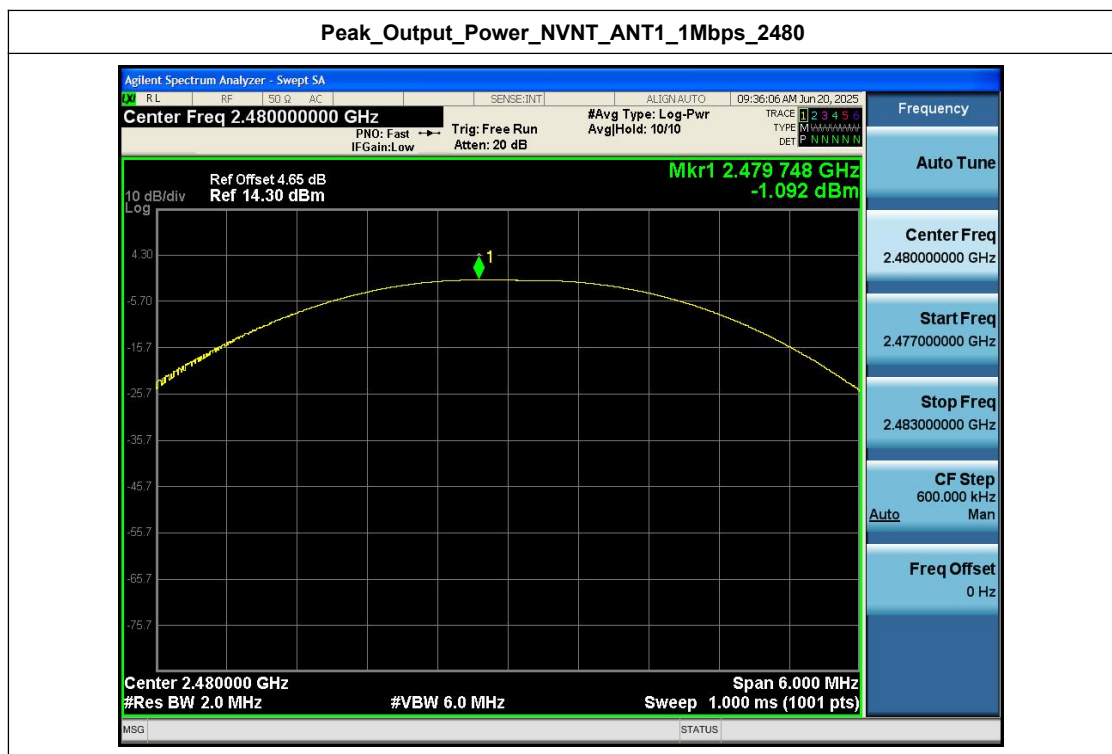
Peak\_Output\_Power\_NVNT\_ANT1\_1Mbps\_2402



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



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



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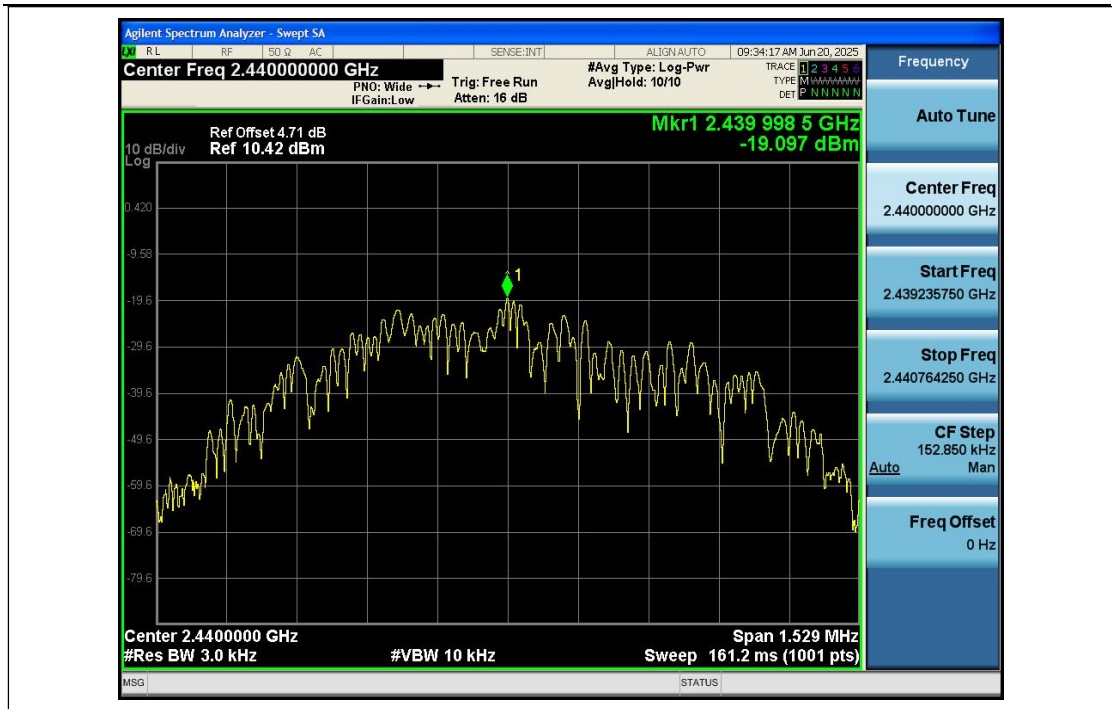
## Appendix E: Power Spectral Density

| Condition | Antenna | Rate  | Frequency (MHz) | Power Spectral Density(dBm/3kHz) | Limit(dBm/3kHz) | Result |
|-----------|---------|-------|-----------------|----------------------------------|-----------------|--------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | -18.43                           | 8               | Pass   |
| NVNT      | ANT1    | 1Mbps | 2440.00         | -19.10                           | 8               | Pass   |
| NVNT      | ANT1    | 1Mbps | 2480.00         | -19.60                           | 8               | Pass   |

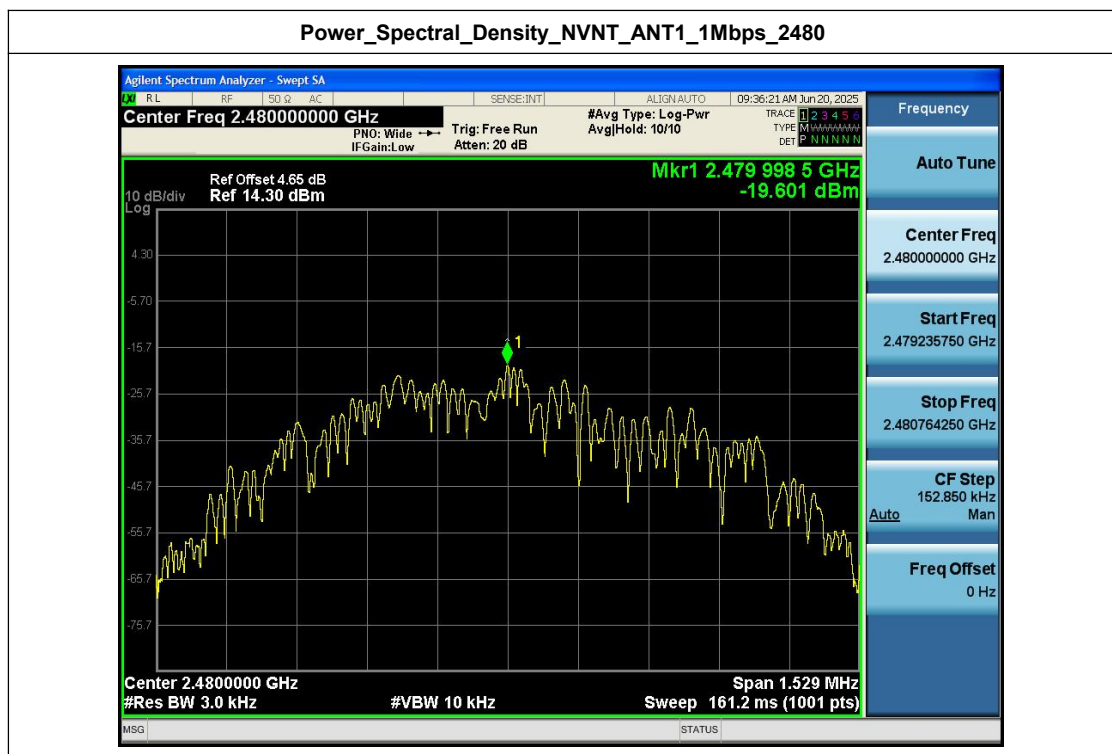
Power\_Spectral\_Density\_NVNT\_ANT1\_1Mbps\_2402



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



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



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## Appendix F: Bandedge

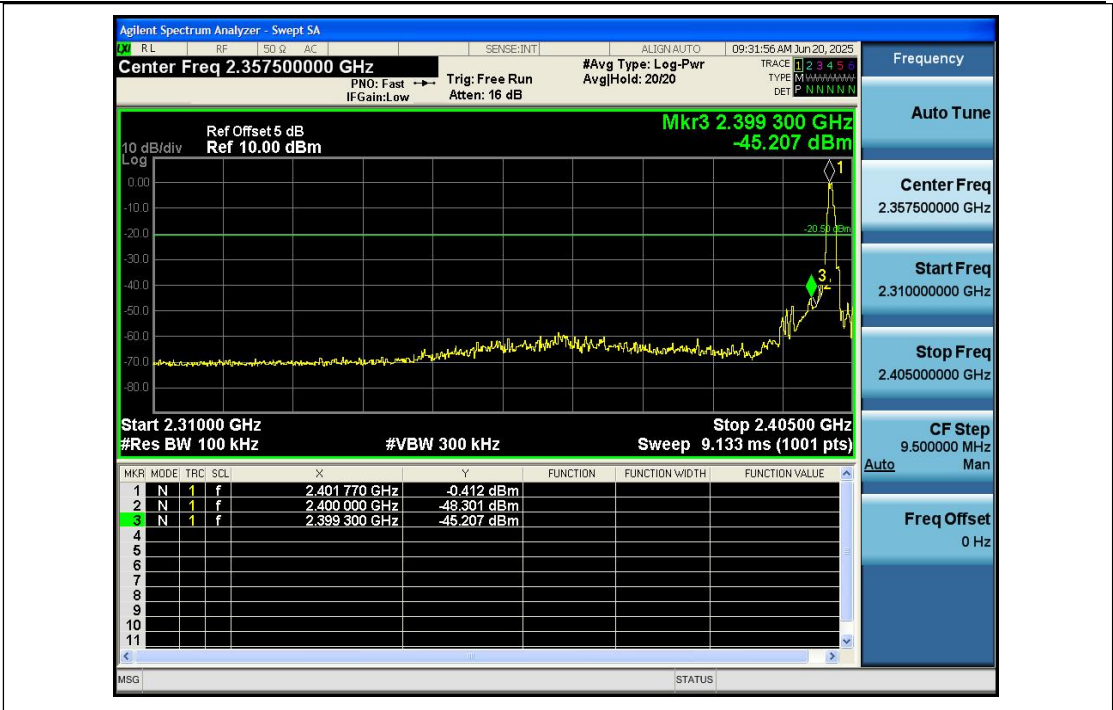
| Condition | Antenna | Modulation | TX_Frequency (MHz) | Max. Mark_freq (MHz) | Ref_level(dBm) | Spurious level(dBm) | limit(dBm) | Result |
|-----------|---------|------------|--------------------|----------------------|----------------|---------------------|------------|--------|
| NVNT      | ANT1    | 1Mbps      | 2402.00            | 2399.300             | -0.501         | -45.207             | -20.501    | Pass   |
| NVNT      | ANT1    | 1Mbps      | 2480.00            | 2483.625             | -1.135         | -52.256             | -21.135    | 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.

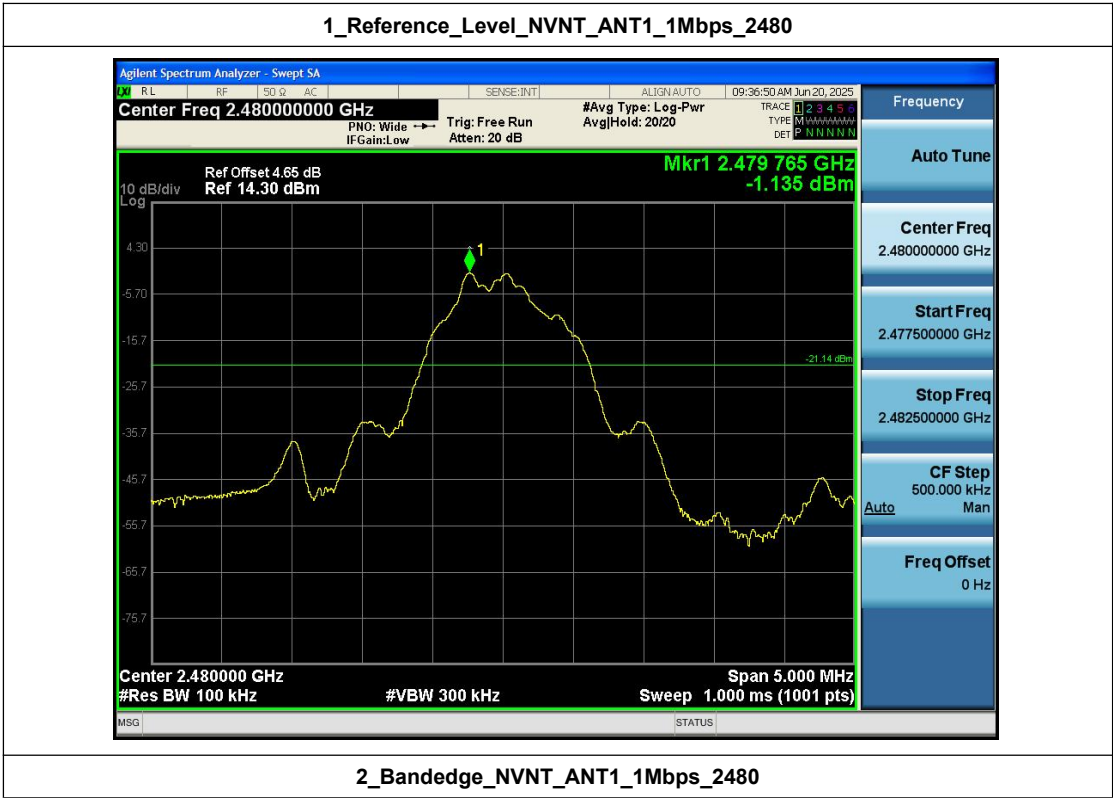
1\_Reference\_Level\_NVNT\_ANT1\_1Mbps\_2402



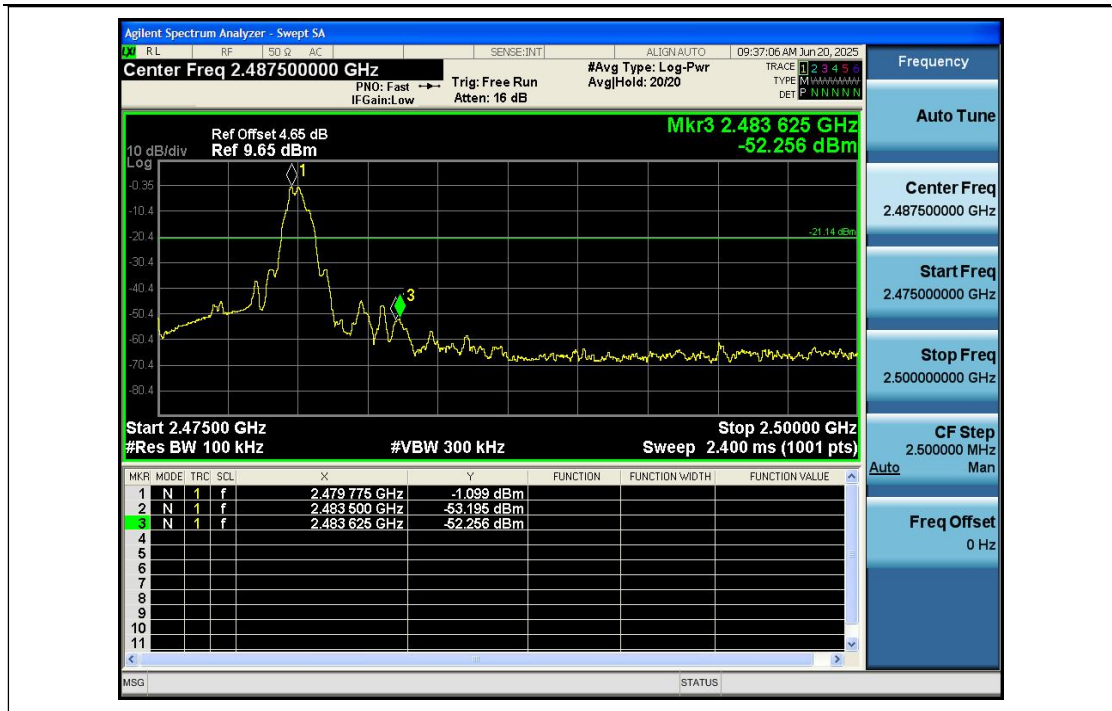
2\_Bandedge\_NVNT\_ANT1\_1Mbps\_2402



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



2\_Bandedge\_NVNT\_ANT1\_1Mbps\_2480



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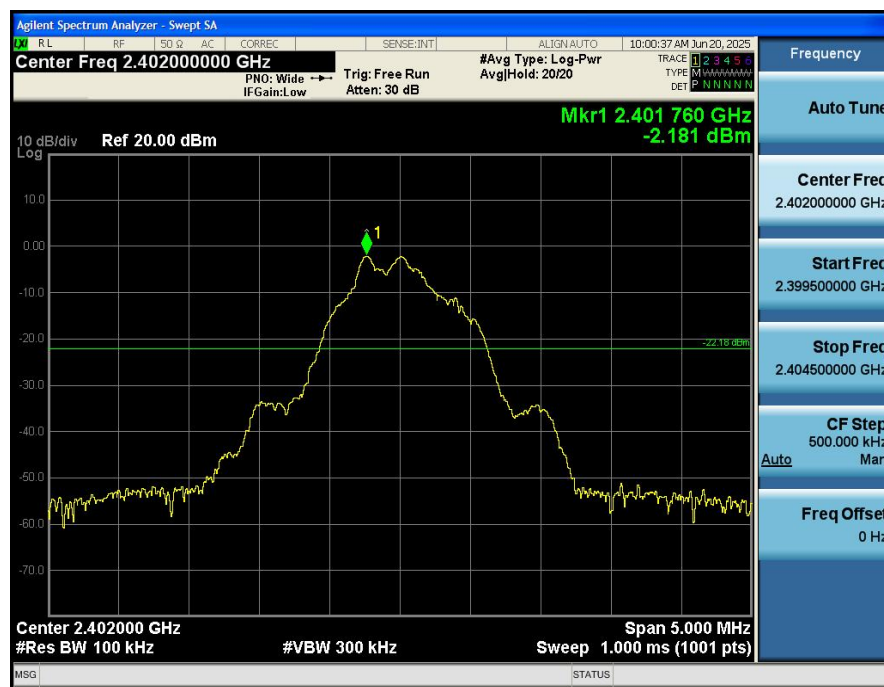
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## Appendix G: Spurious Emission

| Condition | Antenna | Modulation | TX_Frequency (MHz) | Ref_level(dBm) | Spurious level(dBm) | limit(dBm) | Result |
|-----------|---------|------------|--------------------|----------------|---------------------|------------|--------|
| NVNT      | ANT1    | 1Mbps      | 2402.00            | -2.181         | -49.850             | -22.181    | Pass   |
| NVNT      | ANT1    | 1Mbps      | 2440.00            | -2.651         | -50.996             | -22.651    | Pass   |
| NVNT      | ANT1    | 1Mbps      | 2480.00            | -2.876         | -49.110             | -22.876    | Pass   |

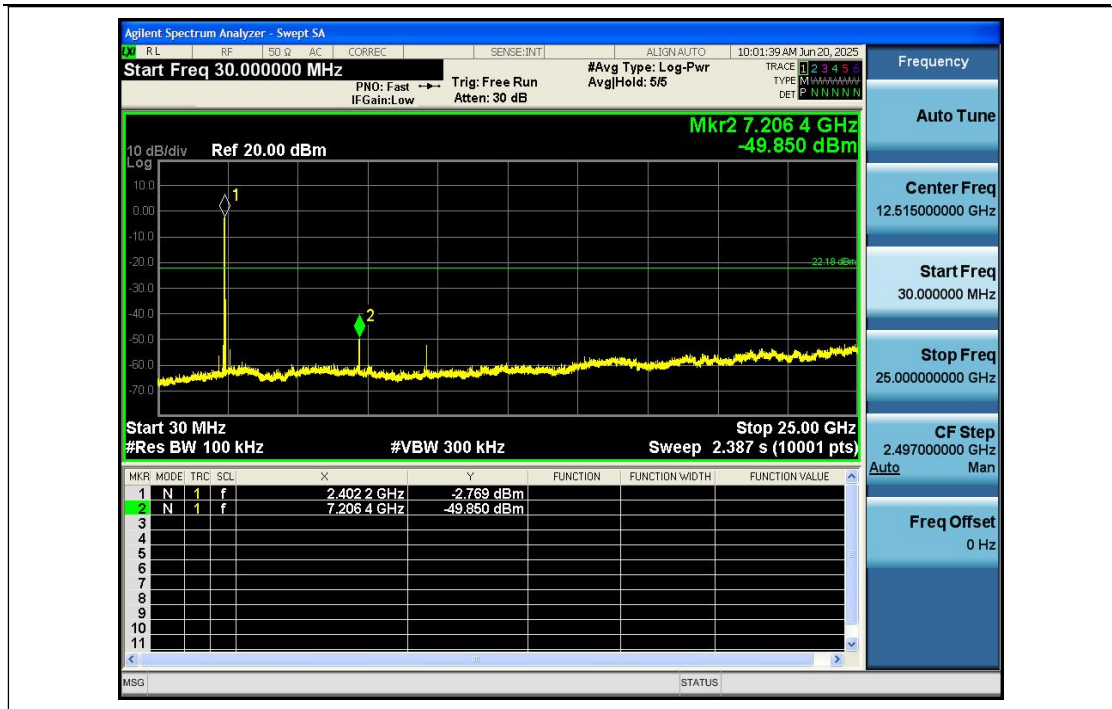
Note: Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

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

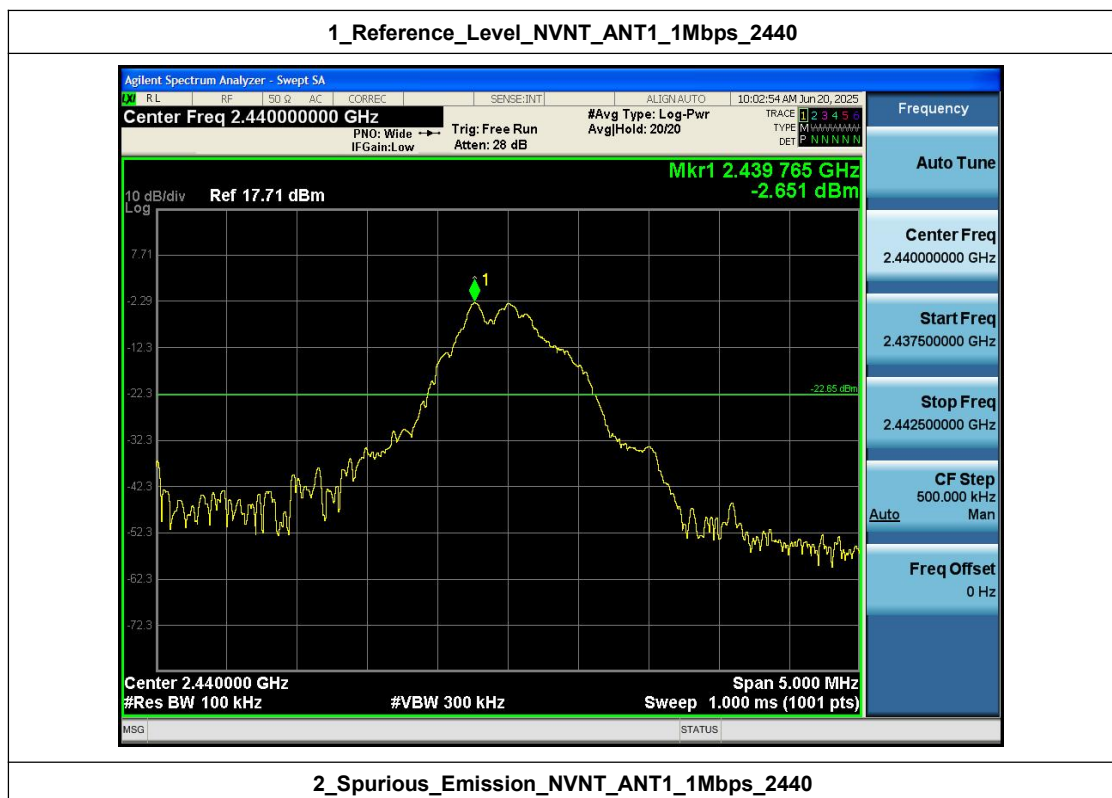


2\_Spurious\_Emission\_NVNT\_ANT1\_1Mbps\_2402





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

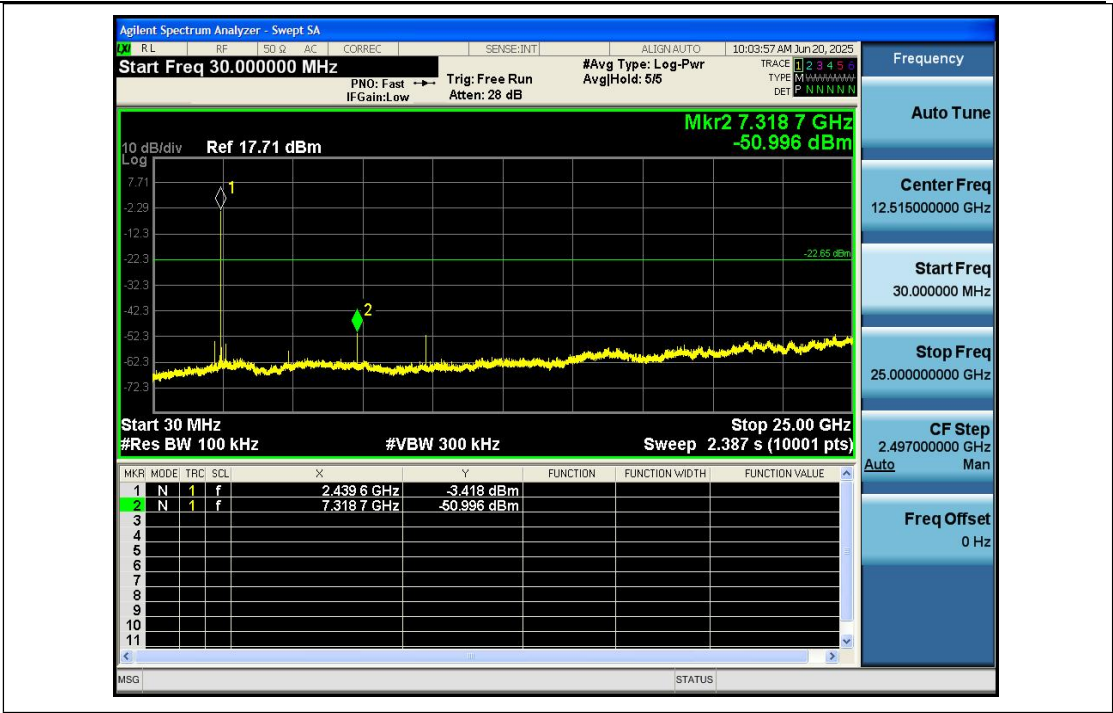


2\_Spurious\_Emission\_NVNT\_ANT1\_1Mbps\_2440

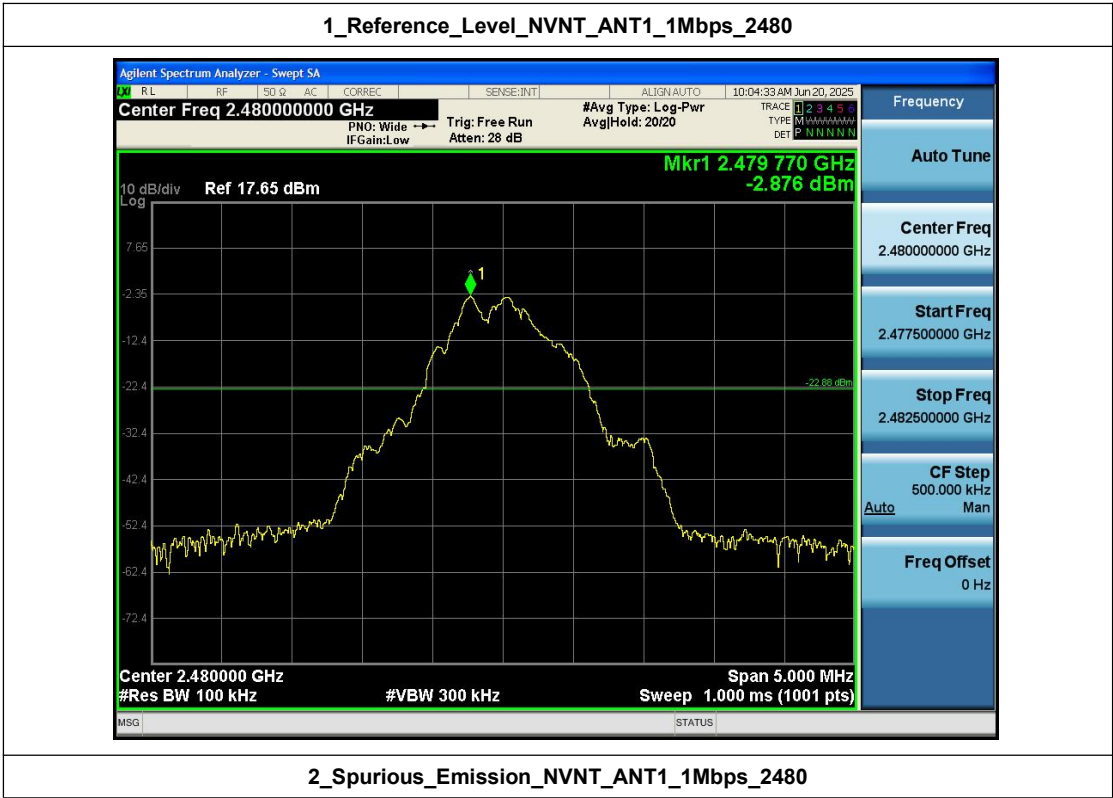
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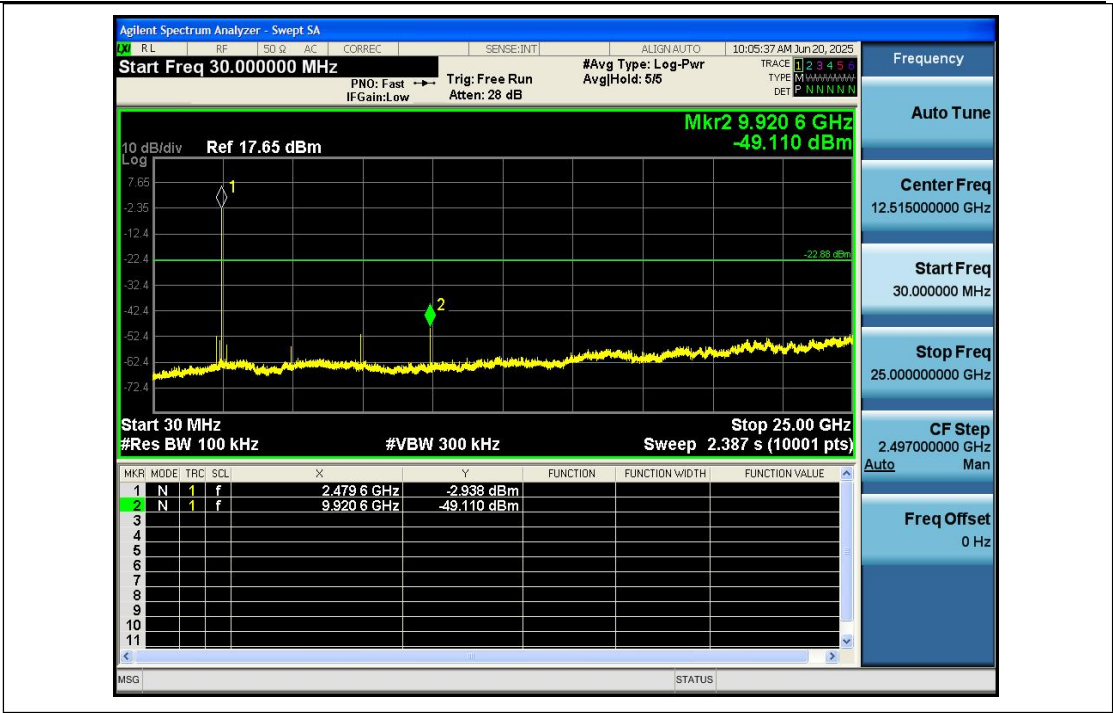
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1\_Reference\_Level\_NVNT\_ANT1\_1Mbps\_2480



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



---END---

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