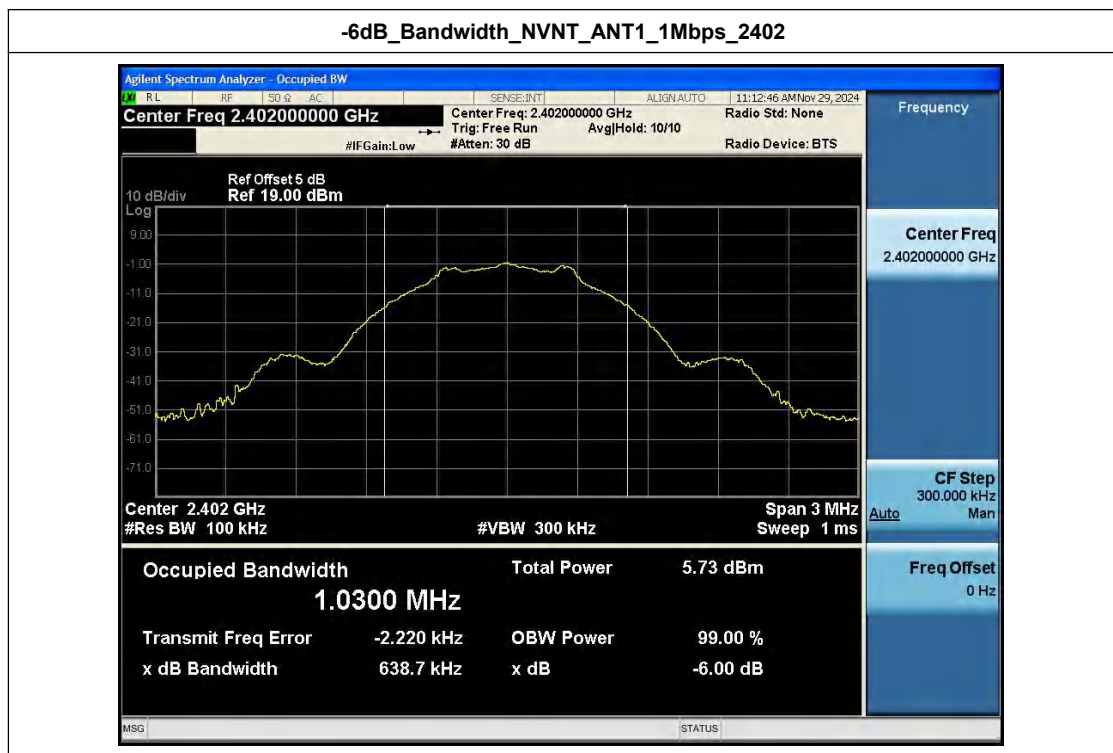


## Appendix Test Data

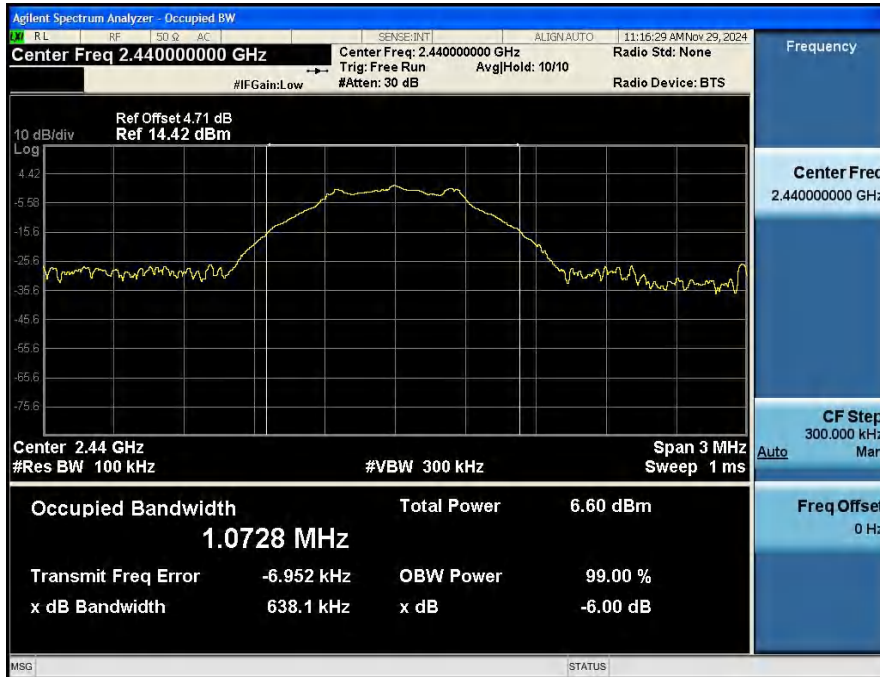
|                  |                   |                    |                    |
|------------------|-------------------|--------------------|--------------------|
| Report No.:      | 1812C40146512501  | Test Sample No.:   | 1-2-2              |
| Start Test Date: | 2024.11.20        | Finish Test Date:  | 2024.11.29         |
| Test Engineer:   | <i>Joker Wang</i> | Auditor:           | <i>Justin Feng</i> |
| Temperature:     | 23.8°C            | Relative Humidity: | 52%                |
| Pressure:        | 101kPa            |                    |                    |

### Appendix A: -6dB Bandwidth

| Condition | Antenna | Rate  | Frequency (MHz) | -6dB BW(kHz) | limit(kHz) | Result |
|-----------|---------|-------|-----------------|--------------|------------|--------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | 638.73       | 500        | Pass   |
| NVNT      | ANT1    | 1Mbps | 2440.00         | 638.15       | 500        | Pass   |
| NVNT      | ANT1    | 1Mbps | 2480.00         | 644.06       | 500        | Pass   |
| NVNT      | ANT1    | 2Mbps | 2402.00         | 1132.08      | 500        | Pass   |
| NVNT      | ANT1    | 2Mbps | 2440.00         | 1107.11      | 500        | Pass   |
| NVNT      | ANT1    | 2Mbps | 2480.00         | 1115.07      | 500        | Pass   |



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

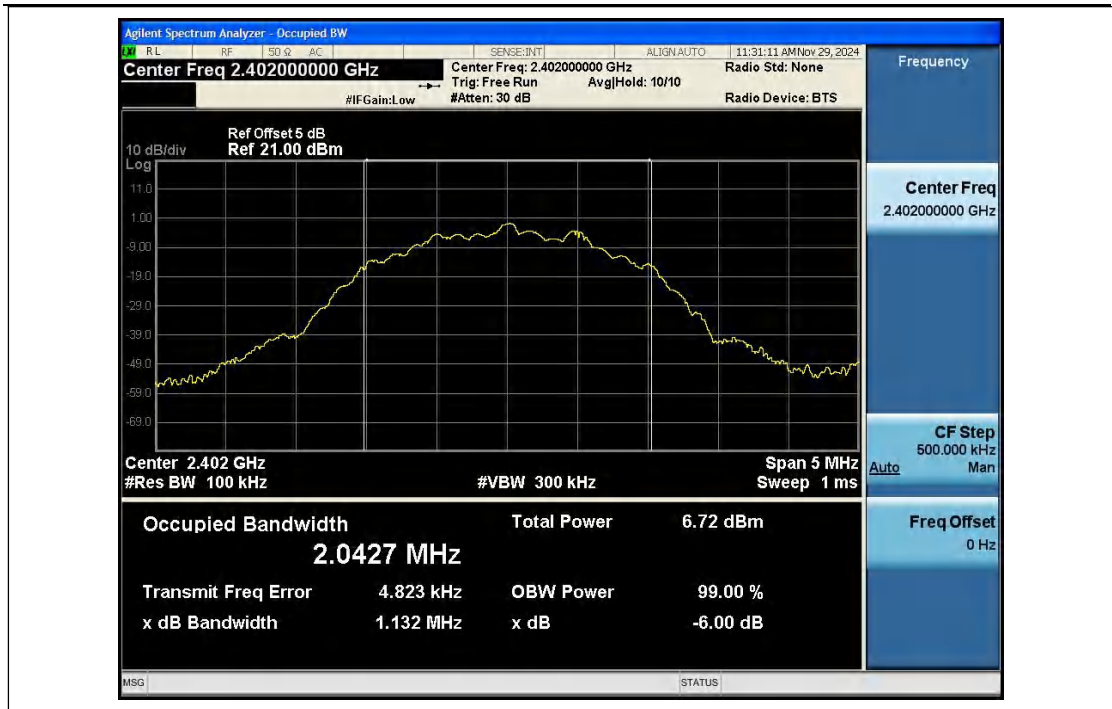


-6dB\_Bandwidth\_NVNT\_ANT1\_1Mbps\_2480

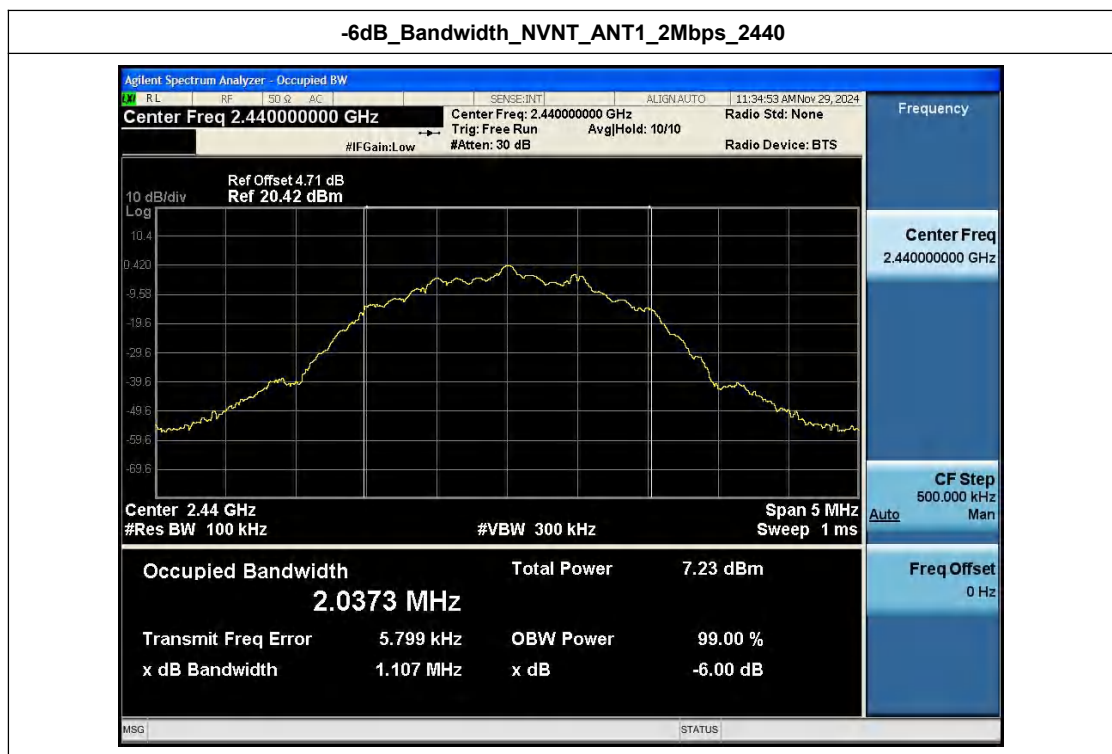


-6dB\_Bandwidth\_NVNT\_ANT1\_2Mbps\_2402



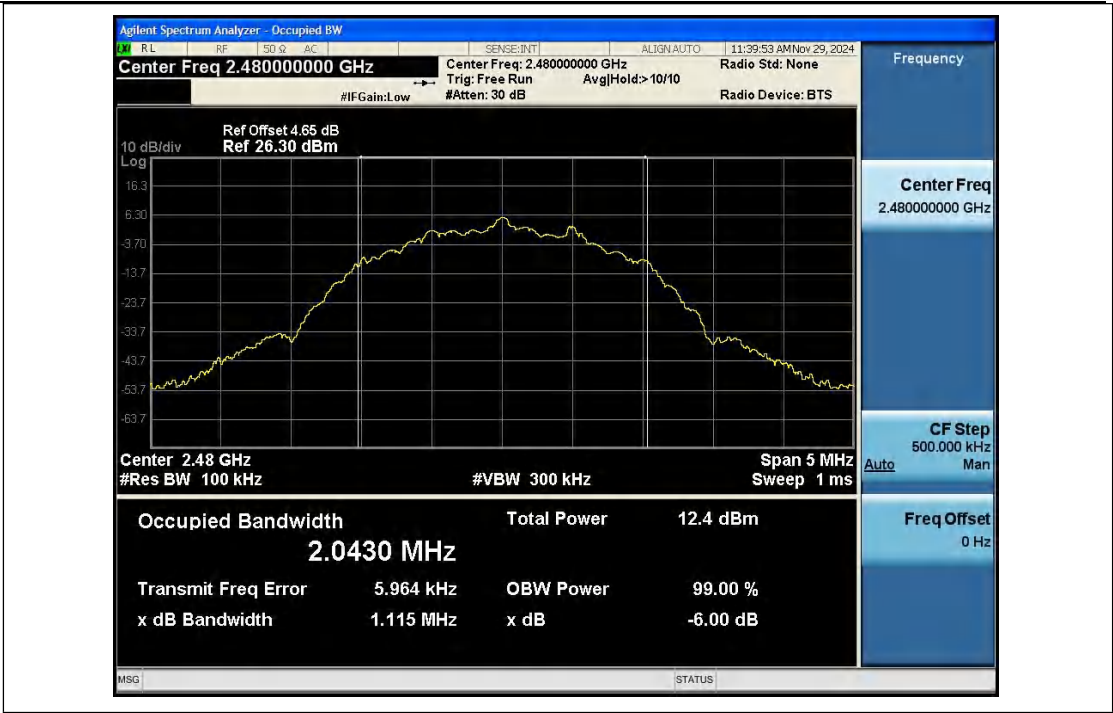


-6dB\_Bandwidth\_NVNT\_ANT1\_2Mbps\_2440



-6dB\_Bandwidth\_NVNT\_ANT1\_2Mbps\_2480





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## 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         | 1.060      |
| NVNT      | ANT1    | 1Mbps | 2480.00         | 1.026      |
| NVNT      | ANT1    | 2Mbps | 2402.00         | 2.026      |
| NVNT      | ANT1    | 2Mbps | 2440.00         | 2.026      |
| NVNT      | ANT1    | 2Mbps | 2480.00         | 2.028      |

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



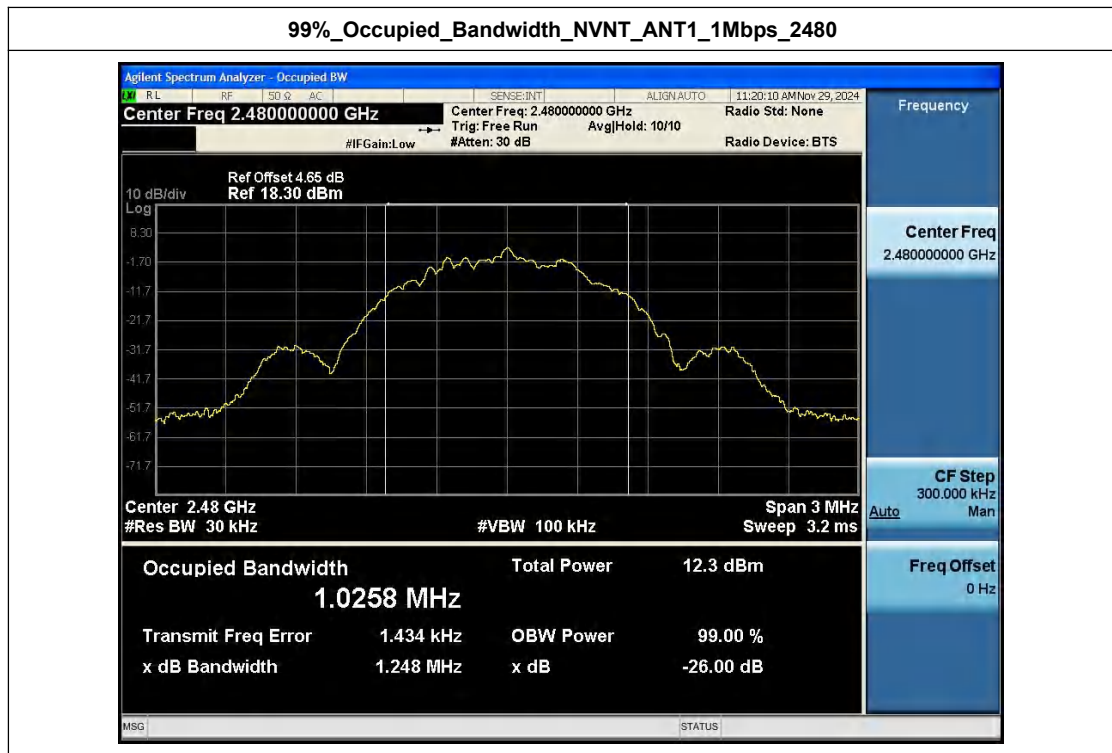
99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_1Mbps\_2440





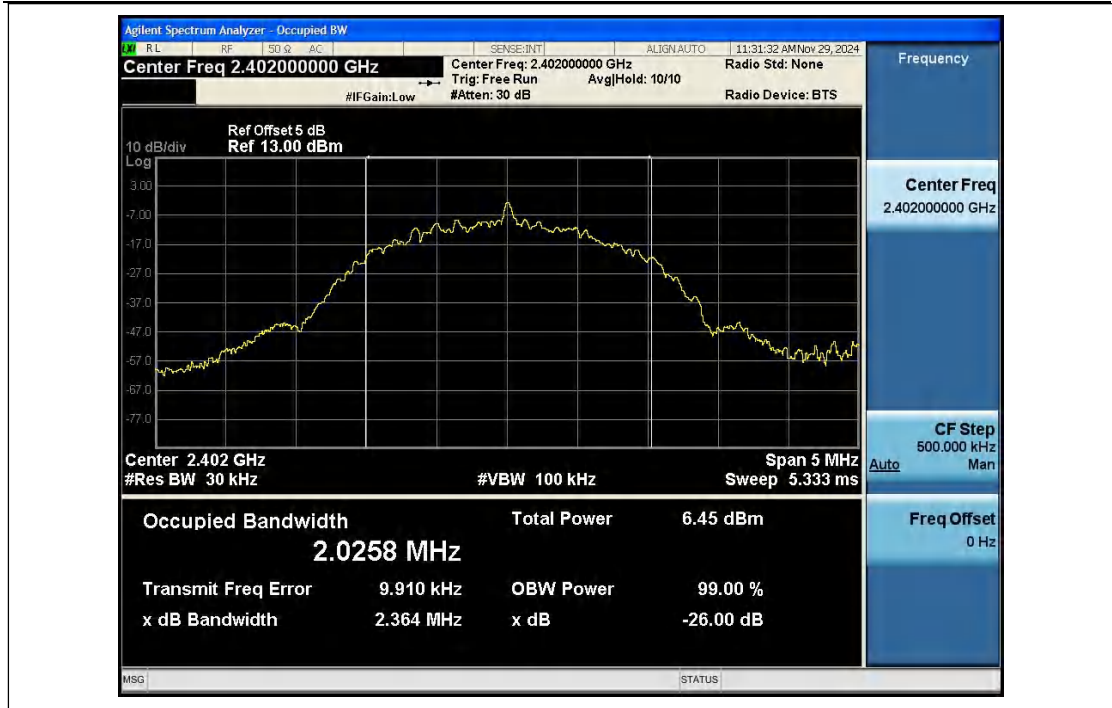


99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_1Mbps\_2480

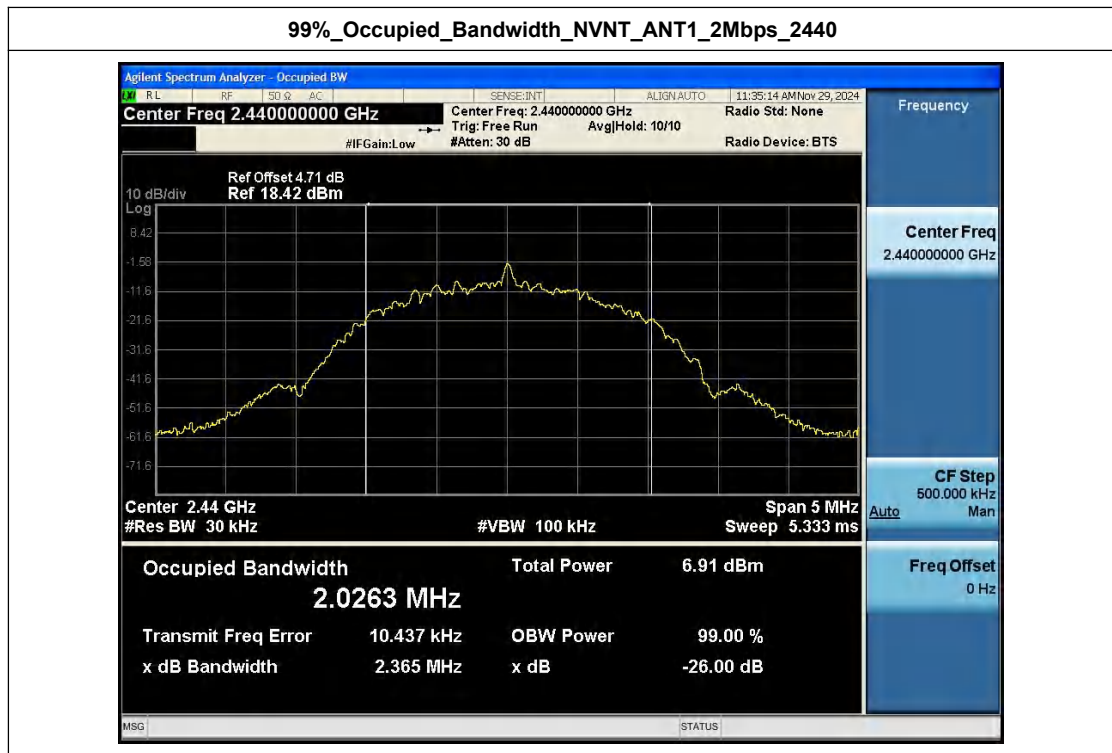


99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_2Mbps\_2402



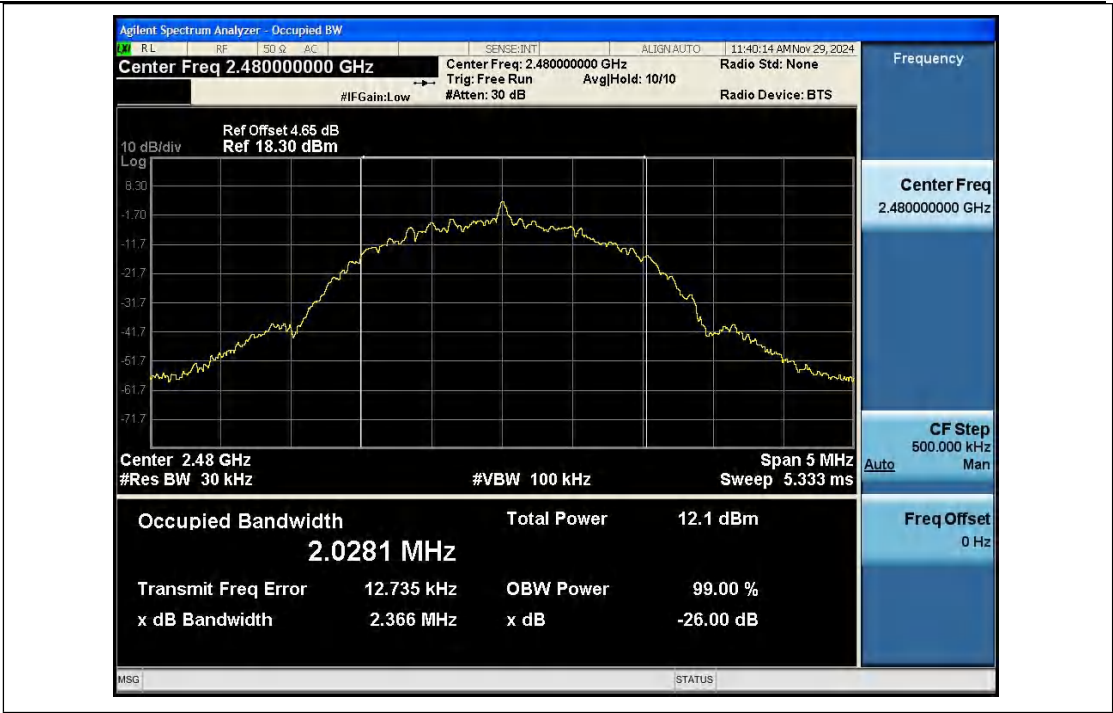


99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_2Mbps\_2440



99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_2Mbps\_2480





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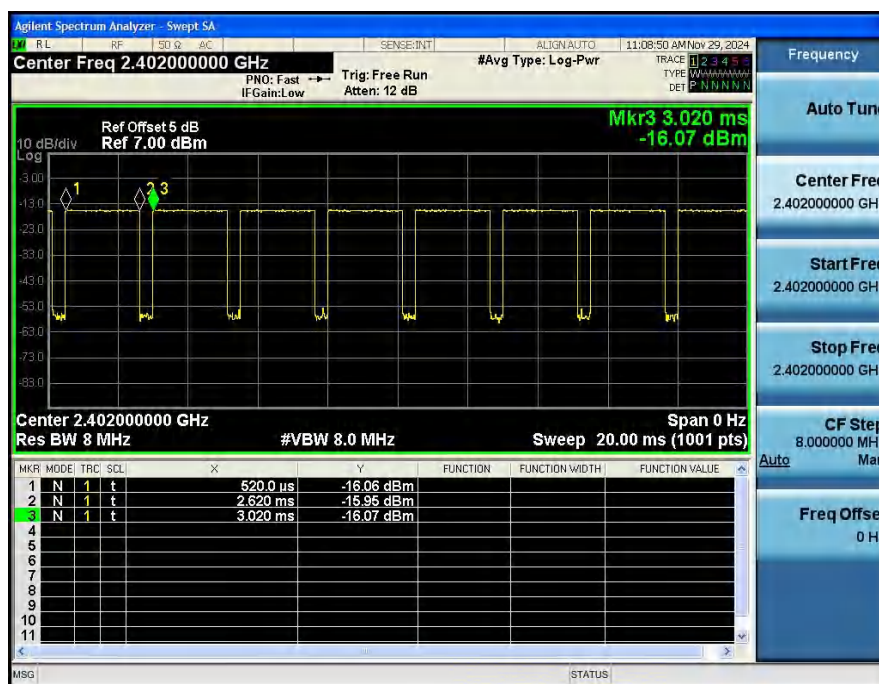




## Appendix C: Duty Cycle

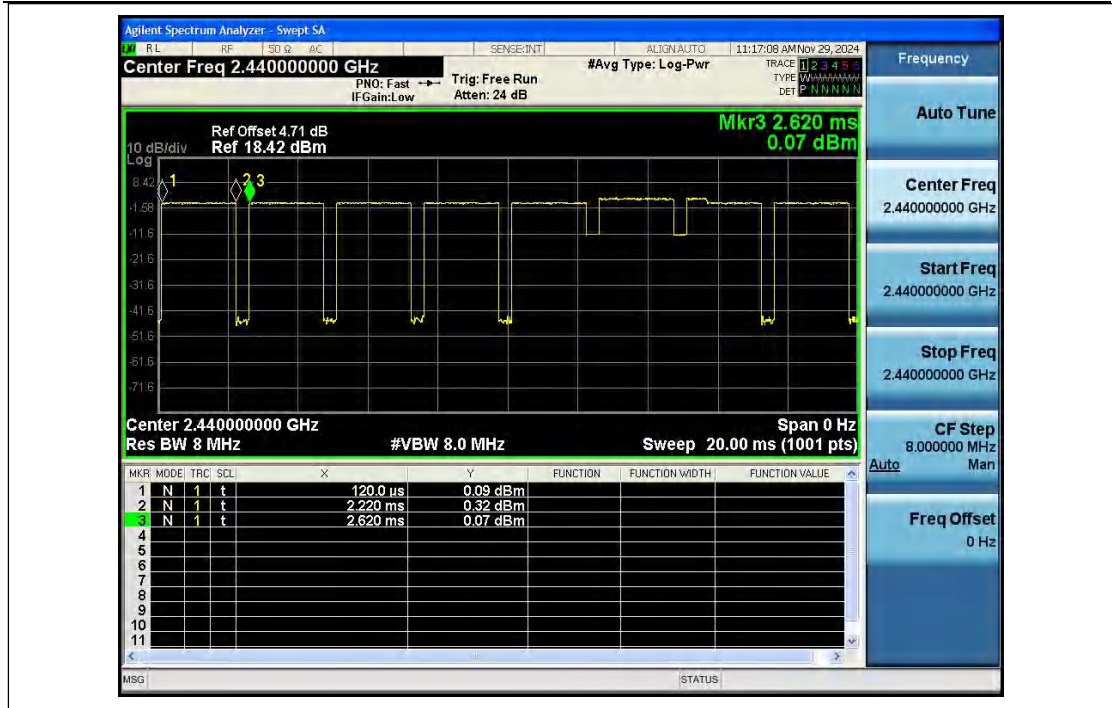
| Condition | Antenna | Rate  | Frequency (MHz) | Dutycycle(%) | Duty_factor |
|-----------|---------|-------|-----------------|--------------|-------------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | 84.80        | 0.72        |
| NVNT      | ANT1    | 1Mbps | 2440.00         | 84.00        | 0.76        |
| NVNT      | ANT1    | 1Mbps | 2480.00         | 84.80        | 0.72        |
| NVNT      | ANT1    | 2Mbps | 2402.00         | 56.38        | 2.49        |
| NVNT      | ANT1    | 2Mbps | 2440.00         | 56.38        | 2.49        |
| NVNT      | ANT1    | 2Mbps | 2480.00         | 57.45        | 2.41        |

Duty\_Cycle\_NVNT\_ANT1\_1Mbps\_2402

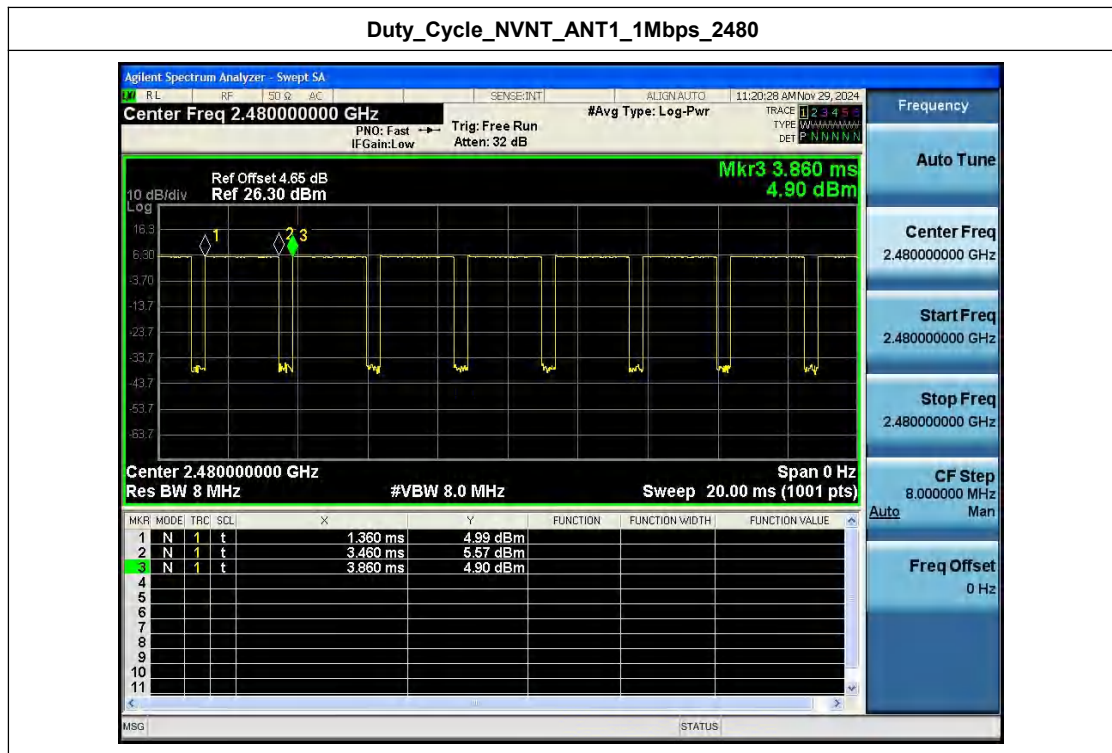


Duty\_Cycle\_NVNT\_ANT1\_1Mbps\_2440



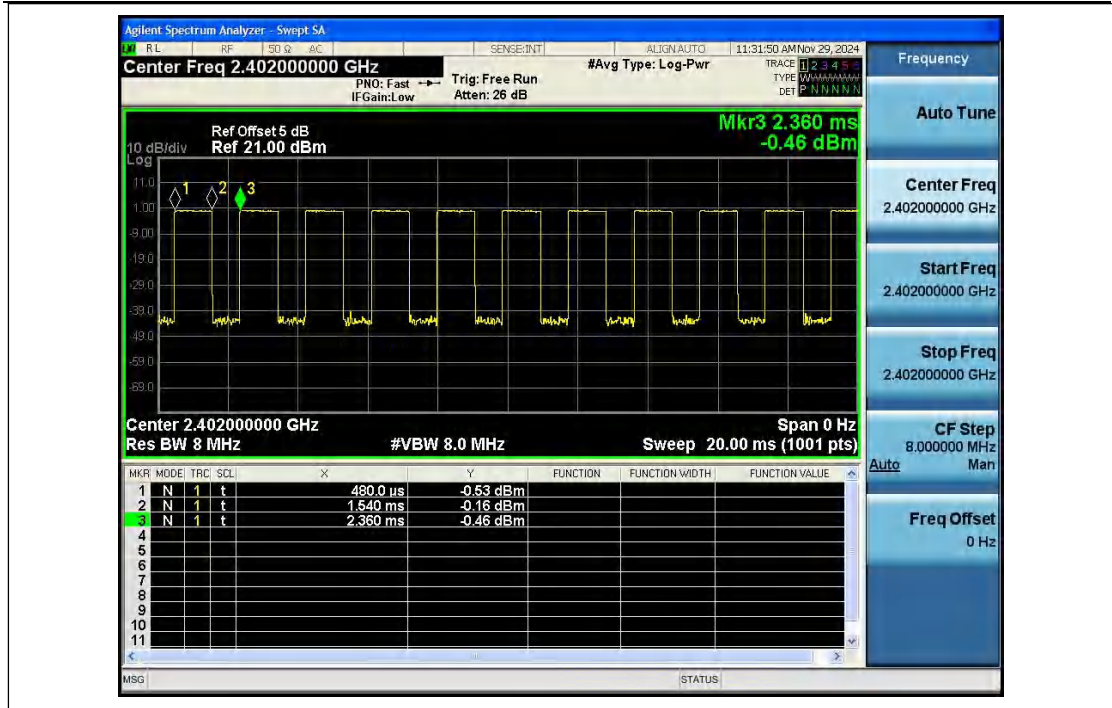


Duty\_Cycle\_NVNT\_ANT1\_1Mbps\_2480

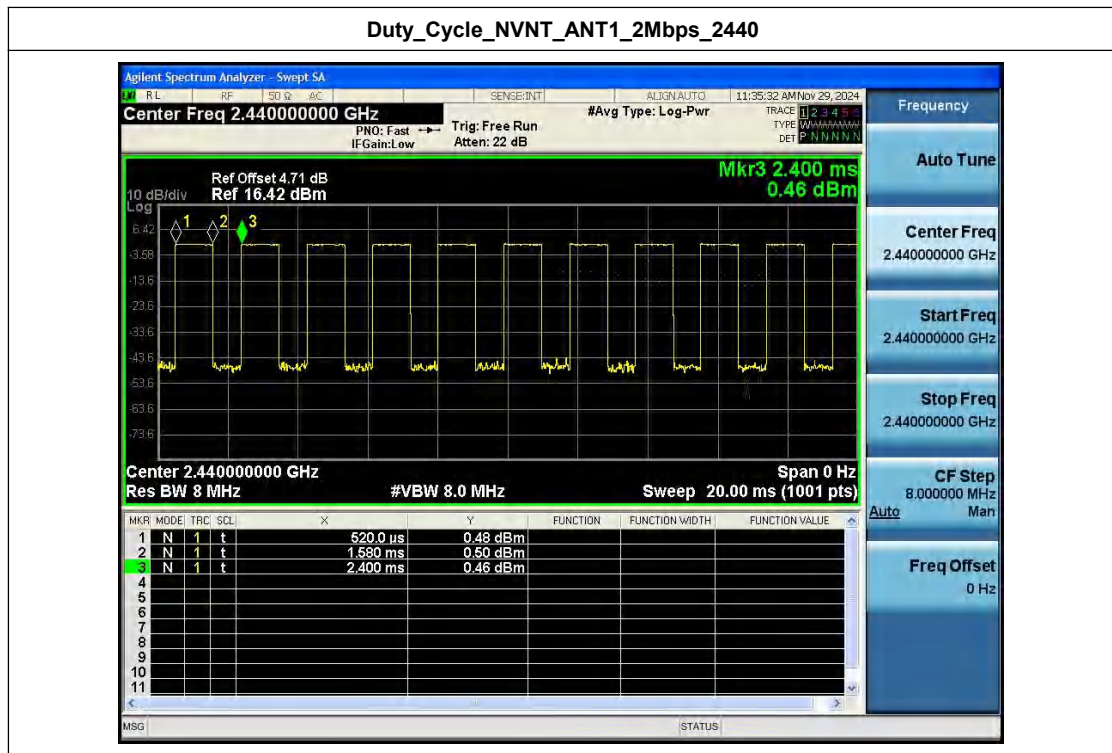


Duty\_Cycle\_NVNT\_ANT1\_2Mbps\_2402



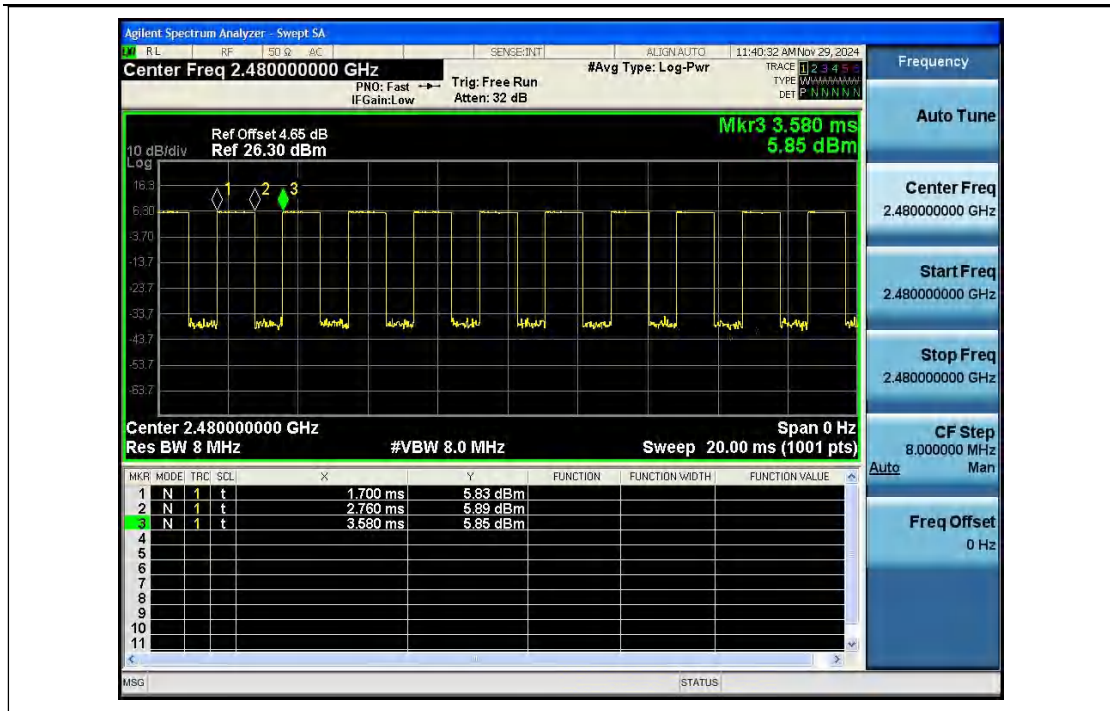


Duty\_Cycle\_NVNT\_ANT1\_2Mbps\_2440



Duty\_Cycle\_NVNT\_ANT1\_2Mbps\_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         | -0.01                     | 1.00                     | 1000      | Pass   |
| NVNT      | ANT1    | 1Mbps | 2440.00         | 1.02                      | 1.26                     | 1000      | Pass   |
| NVNT      | ANT1    | 1Mbps | 2480.00         | 6.00                      | 3.98                     | 1000      | Pass   |
| NVNT      | ANT1    | 2Mbps | 2402.00         | -0.01                     | 1.00                     | 1000      | Pass   |
| NVNT      | ANT1    | 2Mbps | 2440.00         | 0.68                      | 1.17                     | 1000      | Pass   |
| NVNT      | ANT1    | 2Mbps | 2480.00         | <b>6.24</b>               | 4.20                     | 1000      | Pass   |

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

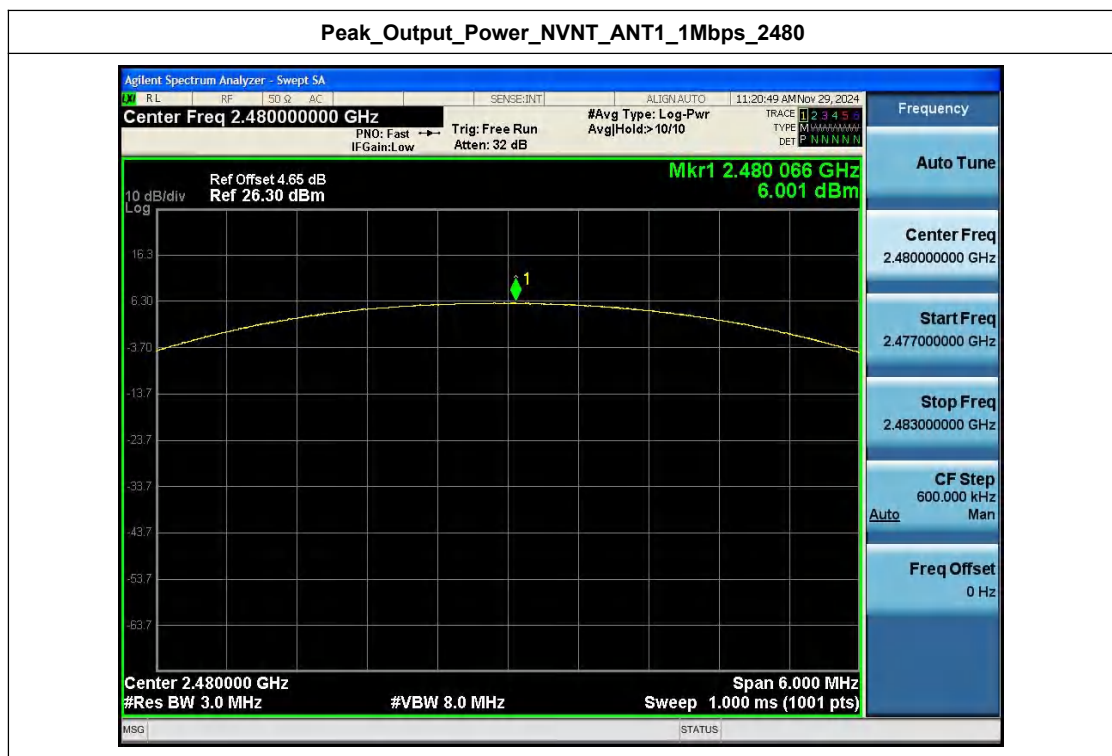


Peak\_Output\_Power\_NVNT\_ANT1\_1Mbps\_2440





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

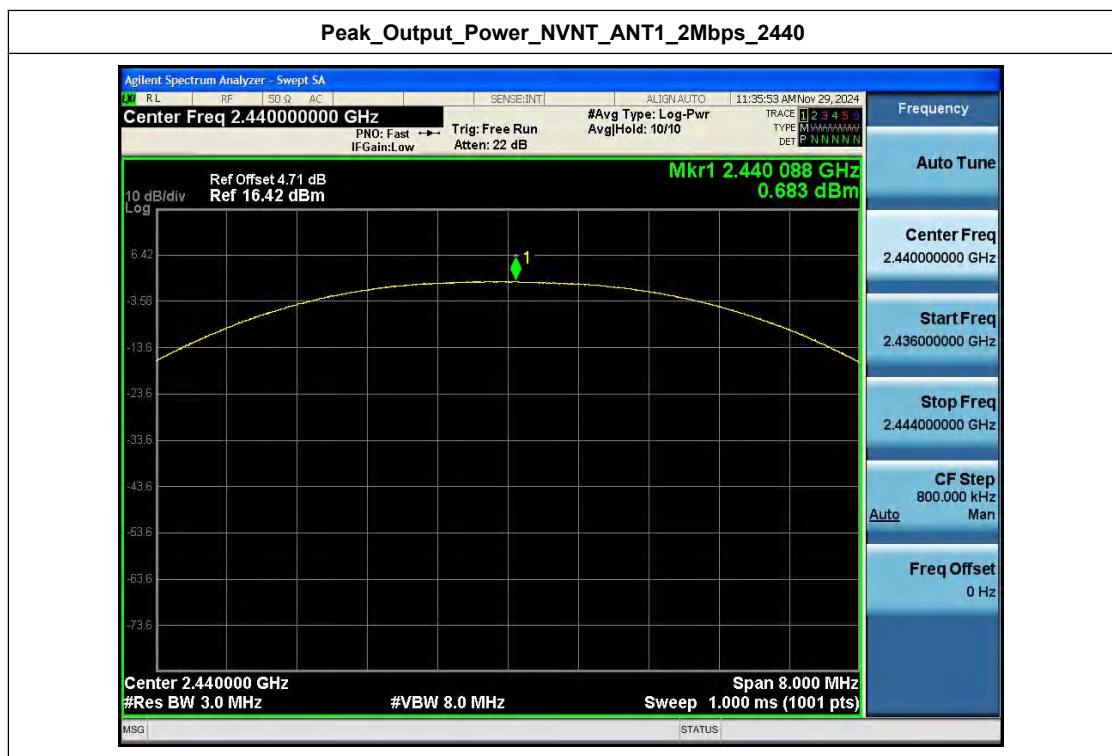


Peak\_Output\_Power\_NVNT\_ANT1\_2Mbps\_2402





Peak\_Output\_Power\_NVNT\_ANT1\_2Mbps\_2440



Peak\_Output\_Power\_NVNT\_ANT1\_2Mbps\_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         | -15.95                           | 8               | Pass   |
| NVNT      | ANT1    | 1Mbps | 2440.00         | -15.00                           | 8               | Pass   |
| NVNT      | ANT1    | 1Mbps | 2480.00         | -9.52                            | 8               | Pass   |
| NVNT      | ANT1    | 2Mbps | 2402.00         | -17.39                           | 8               | Pass   |
| NVNT      | ANT1    | 2Mbps | 2440.00         | -16.77                           | 8               | Pass   |
| NVNT      | ANT1    | 2Mbps | 2480.00         | -11.68                           | 8               | Pass   |

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

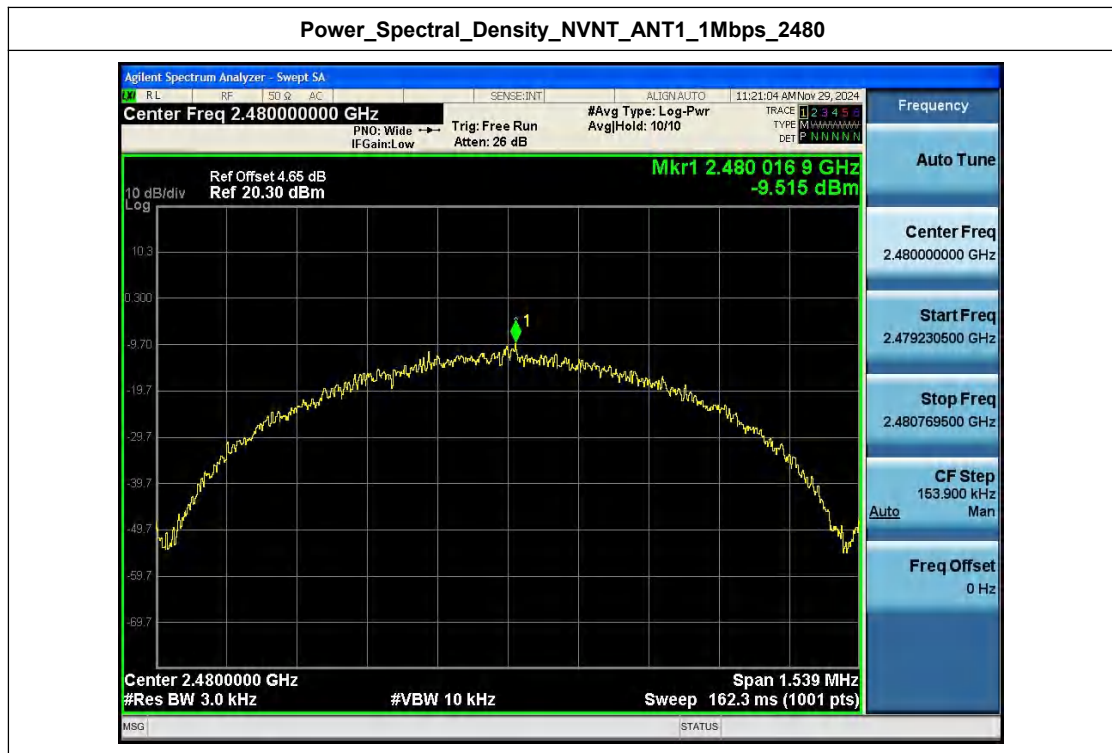


Power\_Spectral\_Density\_NVNT\_ANT1\_1Mbps\_2440





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

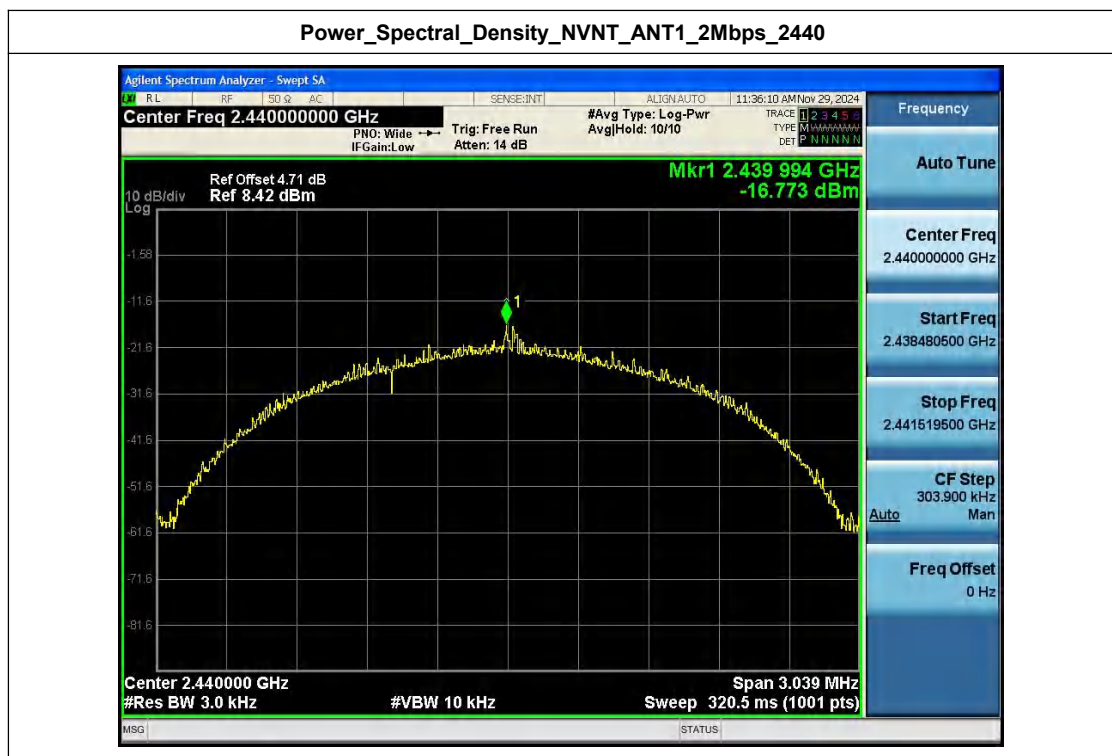


Power\_Spectral\_Density\_NVNT\_ANT1\_2Mbps\_2402





Power\_Spectral\_Density\_NVNT\_ANT1\_2Mbps\_2440



Power\_Spectral\_Density\_NVNT\_ANT1\_2Mbps\_2480





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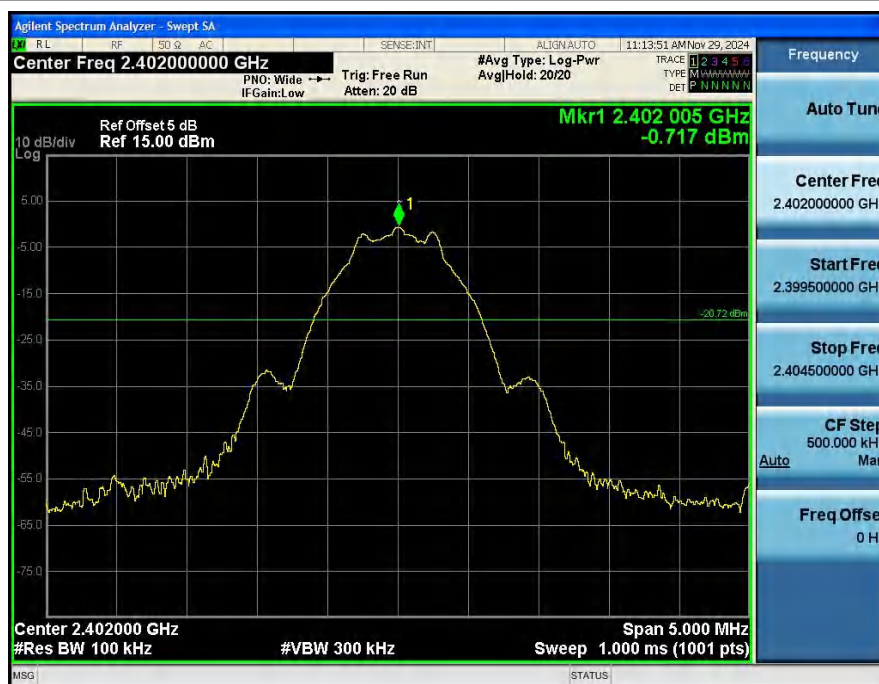




## Appendix F: Bandedge

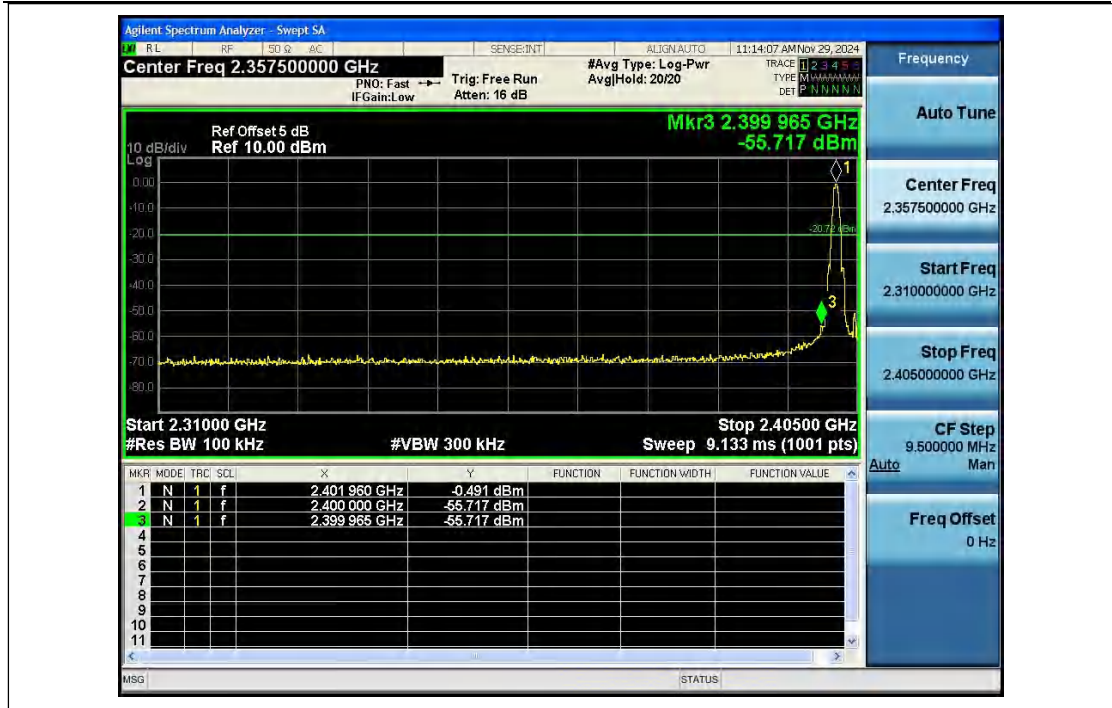
| Condition | Antenna | Rate  | TX_Frequency<br>(MHz) | Max. Mark<br>Frequency (MHz) | Spurious<br>level(dBm) | limit(dBm) | Result |
|-----------|---------|-------|-----------------------|------------------------------|------------------------|------------|--------|
| NVNT      | ANT1    | 1Mbps | 2402.00               | 2399.965                     | -55.717                | -20.717    | Pass   |
| NVNT      | ANT1    | 1Mbps | 2480.00               | 2483.525                     | -54.912                | -14.488    | Pass   |
| NVNT      | ANT1    | 2Mbps | 2402.00               | 2399.965                     | -49.156                | -20.474    | Pass   |
| NVNT      | ANT1    | 2Mbps | 2480.00               | 2483.600                     | -53.286                | -14.351    | Pass   |

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

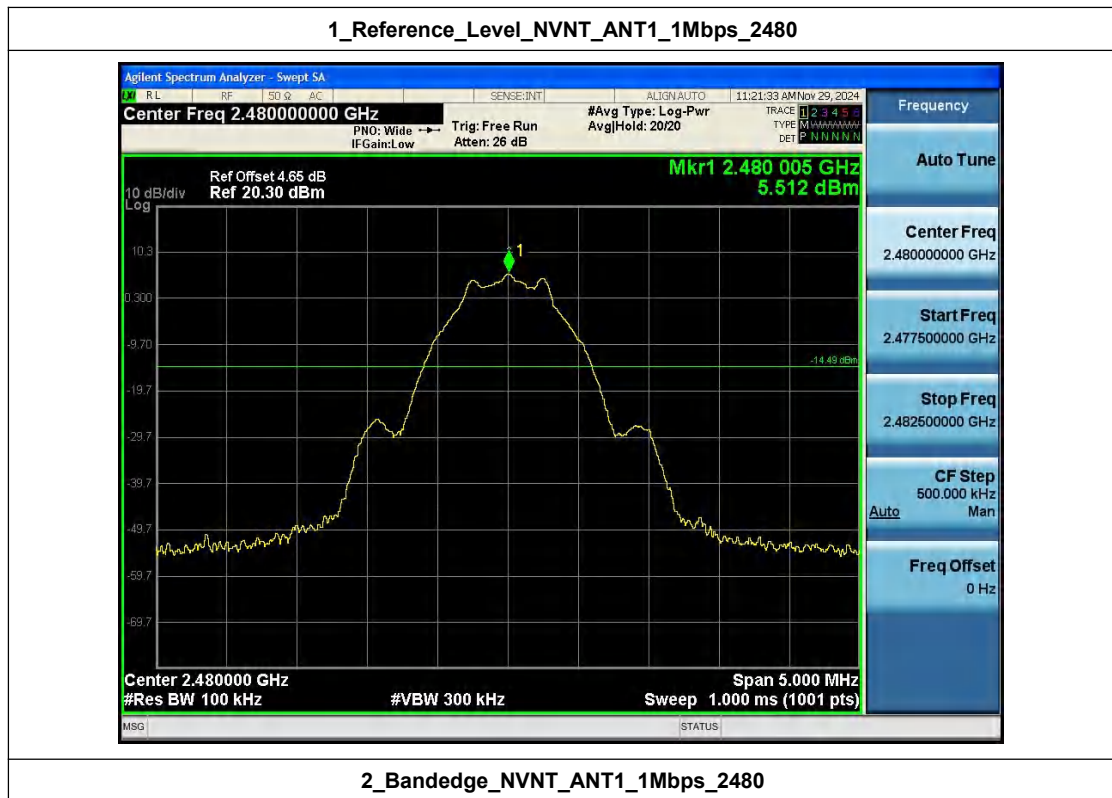


2\_Bandedge\_NVNT\_ANT1\_1Mbps\_2402



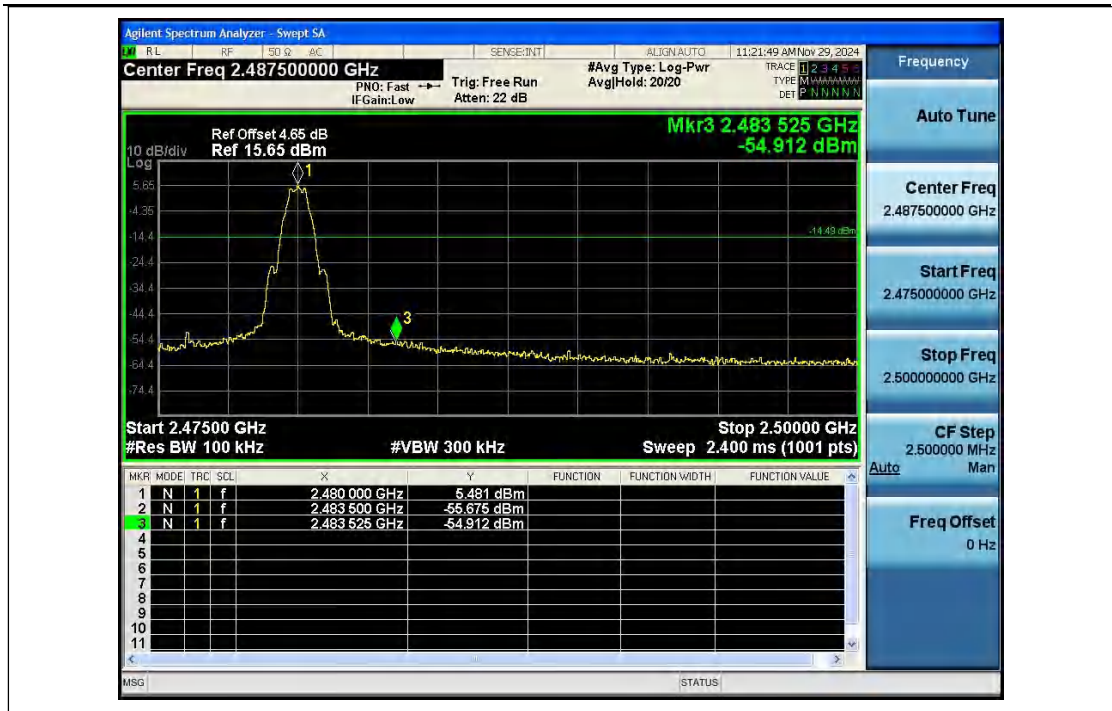


1\_Reference\_Level\_NVNT\_ANT1\_1Mbps\_2480

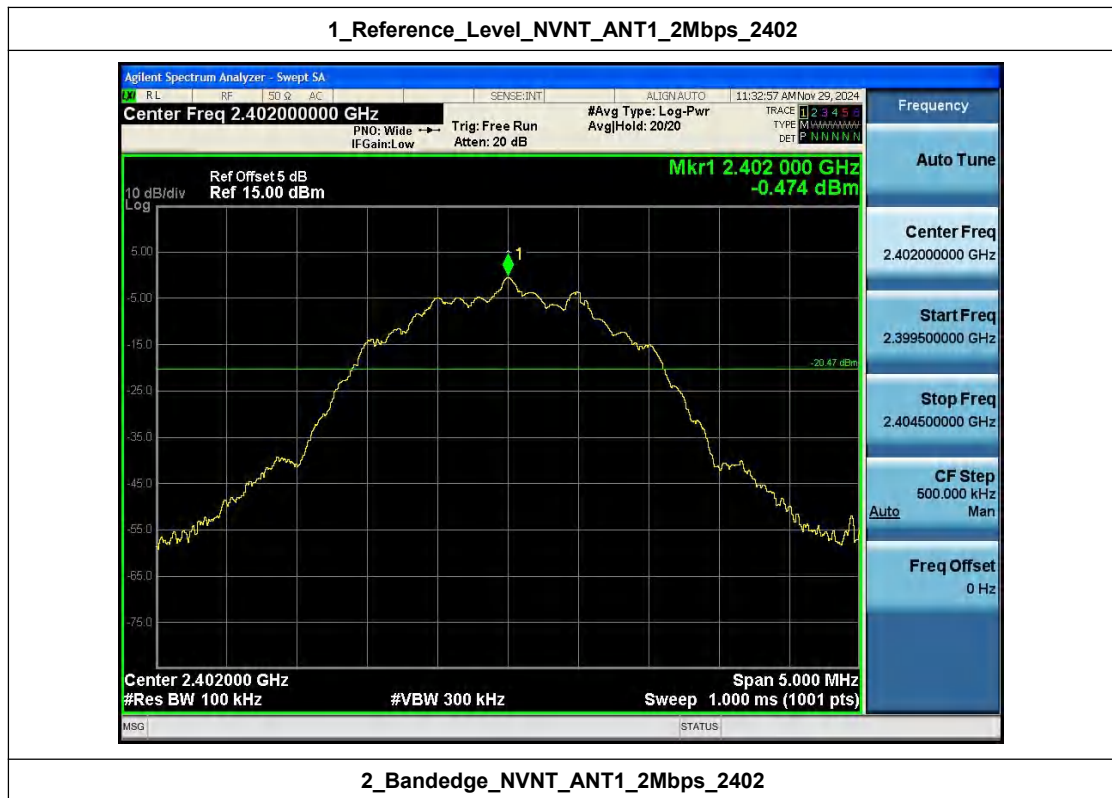


2\_Bandedge\_NVNT\_ANT1\_1Mbps\_2480





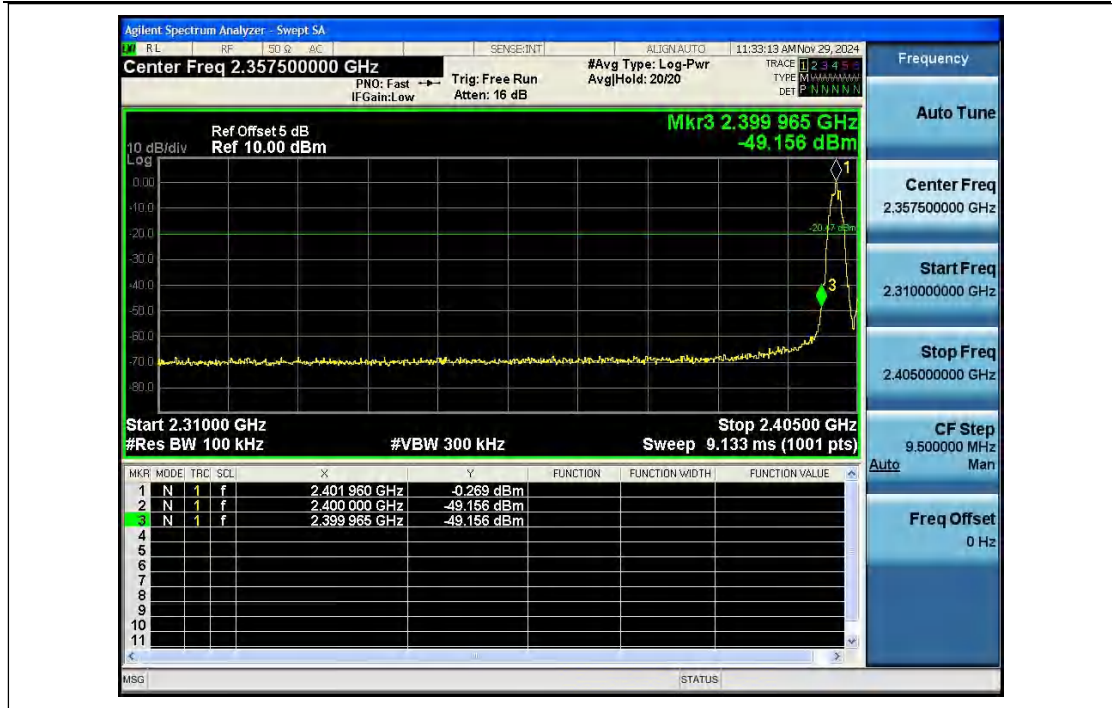
1\_Reference\_Level\_NVNT\_ANT1\_2Mbps\_2402



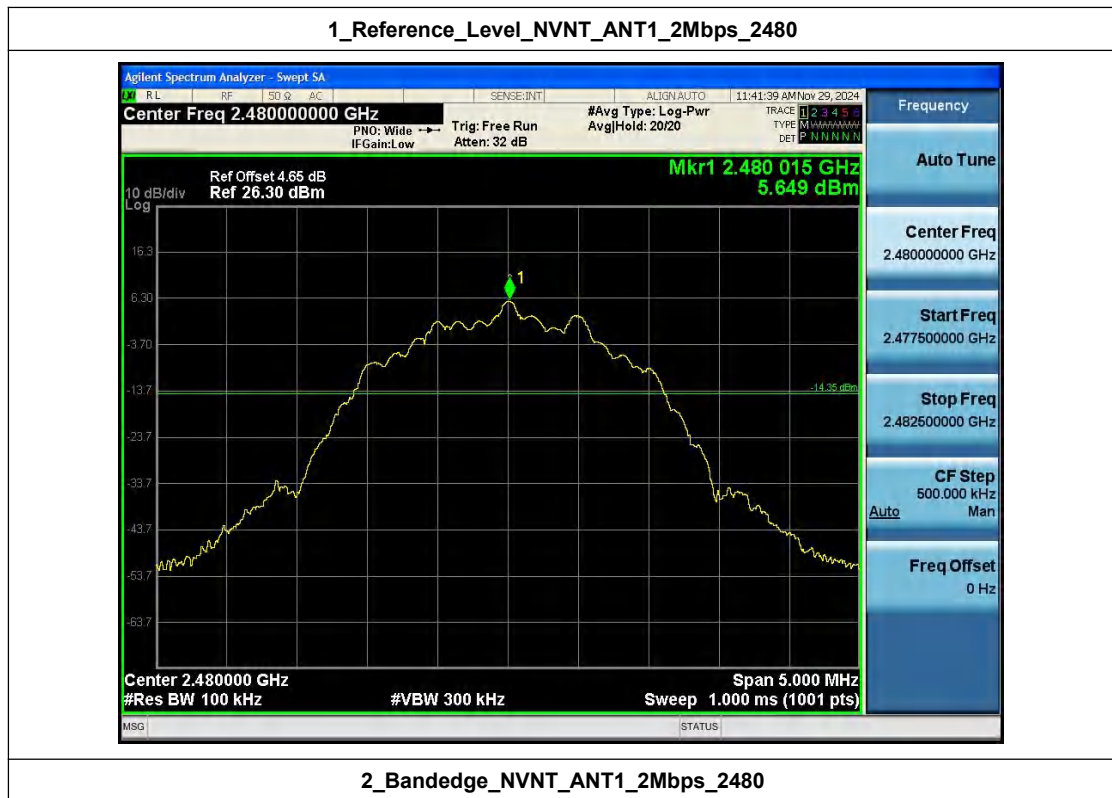
2\_Bandedge\_NVNT\_ANT1\_2Mbps\_2402







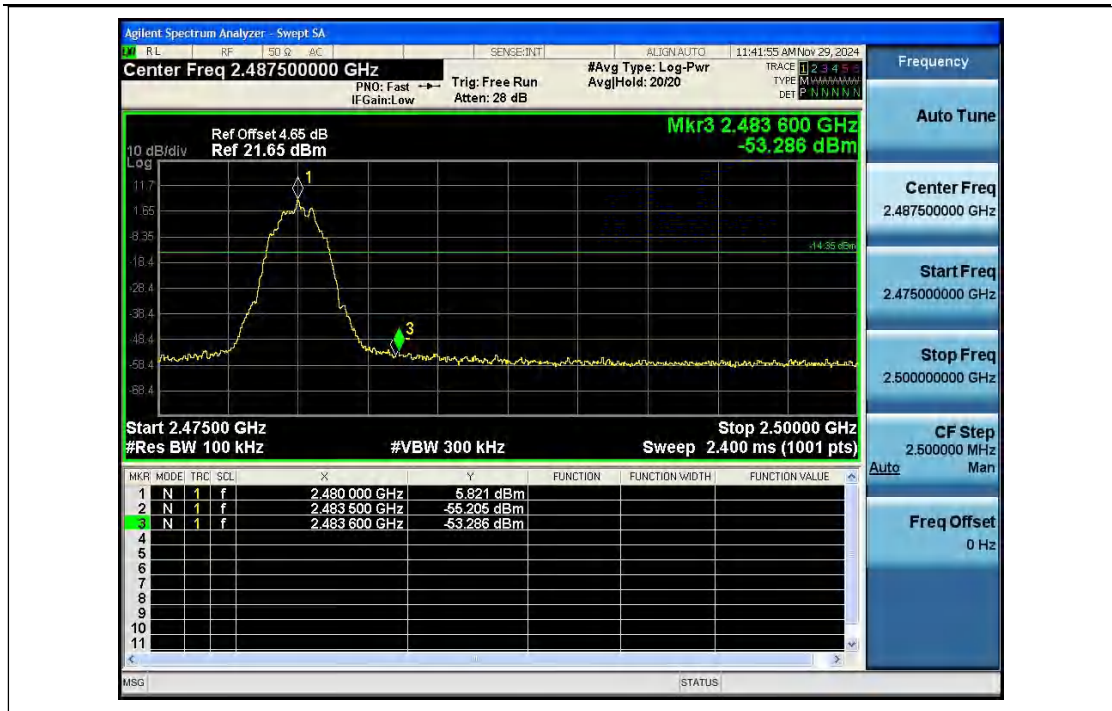
1\_Reference\_Level\_NVNT\_ANT1\_2Mbps\_2480



2\_Bandedge\_NVNT\_ANT1\_2Mbps\_2480







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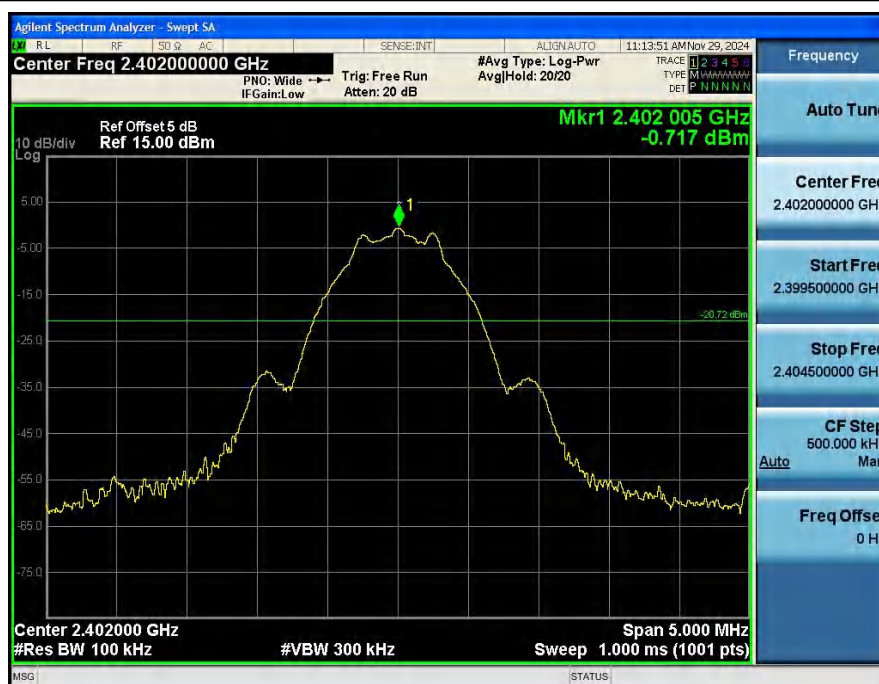
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## Appendix G: Spurious Emission

| Condition | Antenna | Rate  | TX_Frequency(MHz) | Spurious<br>MAX.Value(dBm) | Limit   | Result |
|-----------|---------|-------|-------------------|----------------------------|---------|--------|
| NVNT      | ANT1    | 1Mbps | 2402.00           | -46.347                    | -20.717 | Pass   |
| NVNT      | ANT1    | 1Mbps | 2440.00           | -46.908                    | -19.775 | Pass   |
| NVNT      | ANT1    | 1Mbps | 2480.00           | -46.365                    | -14.488 | Pass   |
| NVNT      | ANT1    | 2Mbps | 2402.00           | -45.963                    | -20.474 | Pass   |
| NVNT      | ANT1    | 2Mbps | 2440.00           | -39.632                    | -19.935 | Pass   |
| NVNT      | ANT1    | 2Mbps | 2480.00           | -44.355                    | -14.351 | Pass   |

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

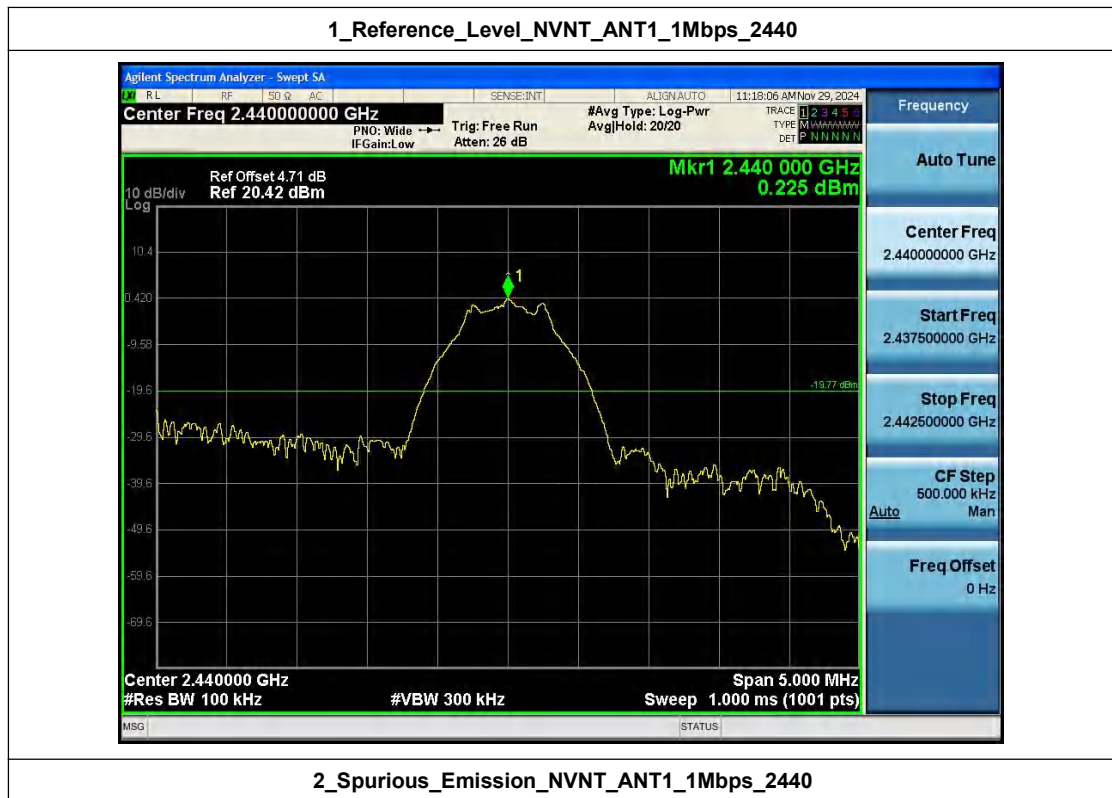


2\_Spurious\_Emission\_NVNT\_ANT1\_1Mbps\_2402





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

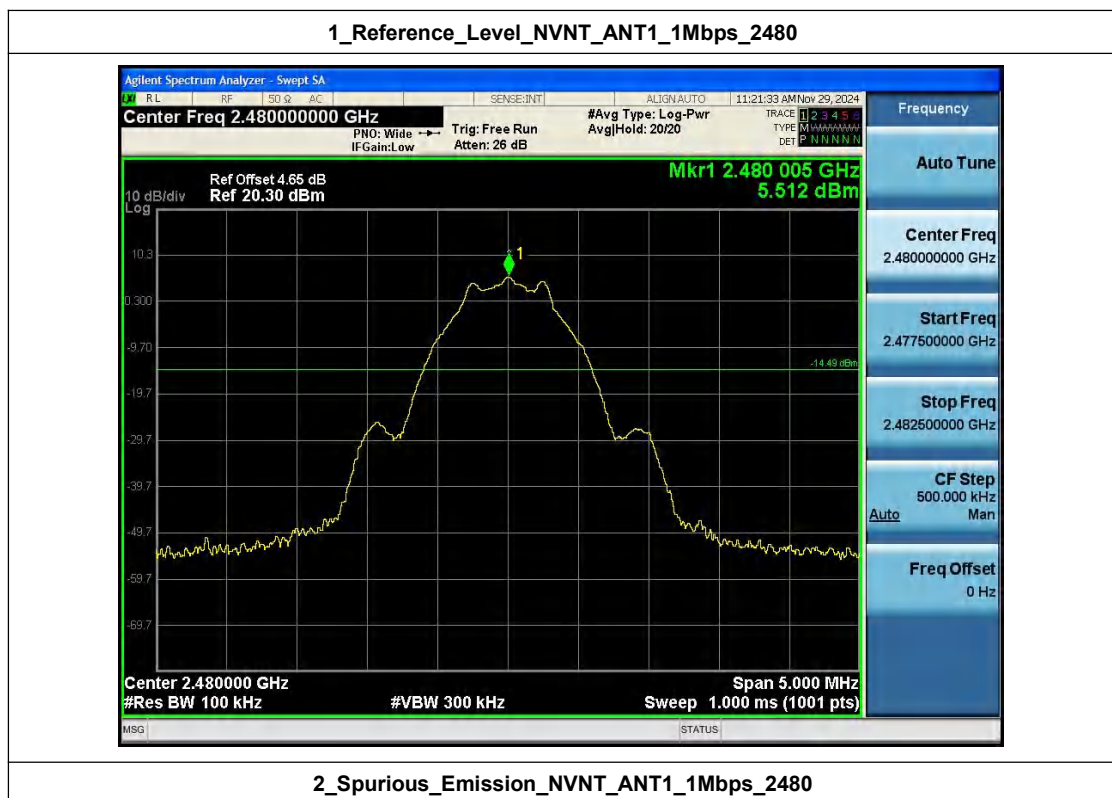


2\_Spurious\_Emission\_NVNT\_ANT1\_1Mbps\_2440





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



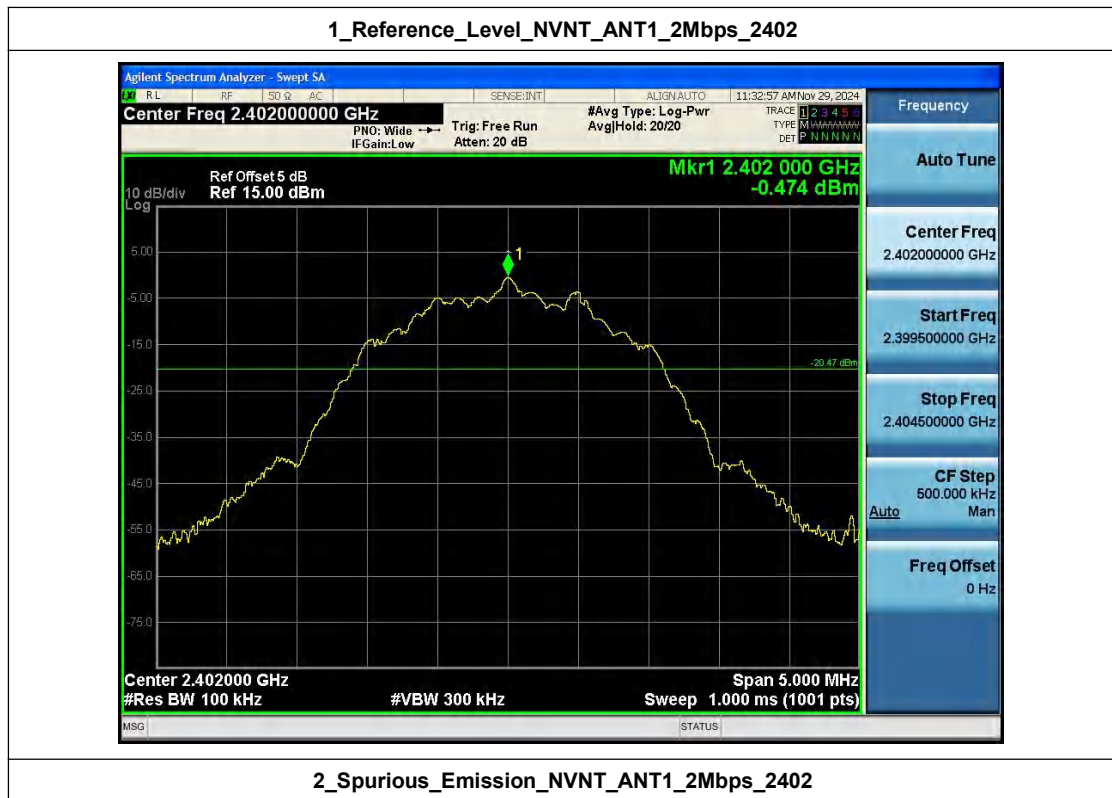
2\_Spurious\_Emission\_NVNT\_ANT1\_1Mbps\_2480







1\_Reference\_Level\_NVNT\_ANT1\_2Mbps\_2402

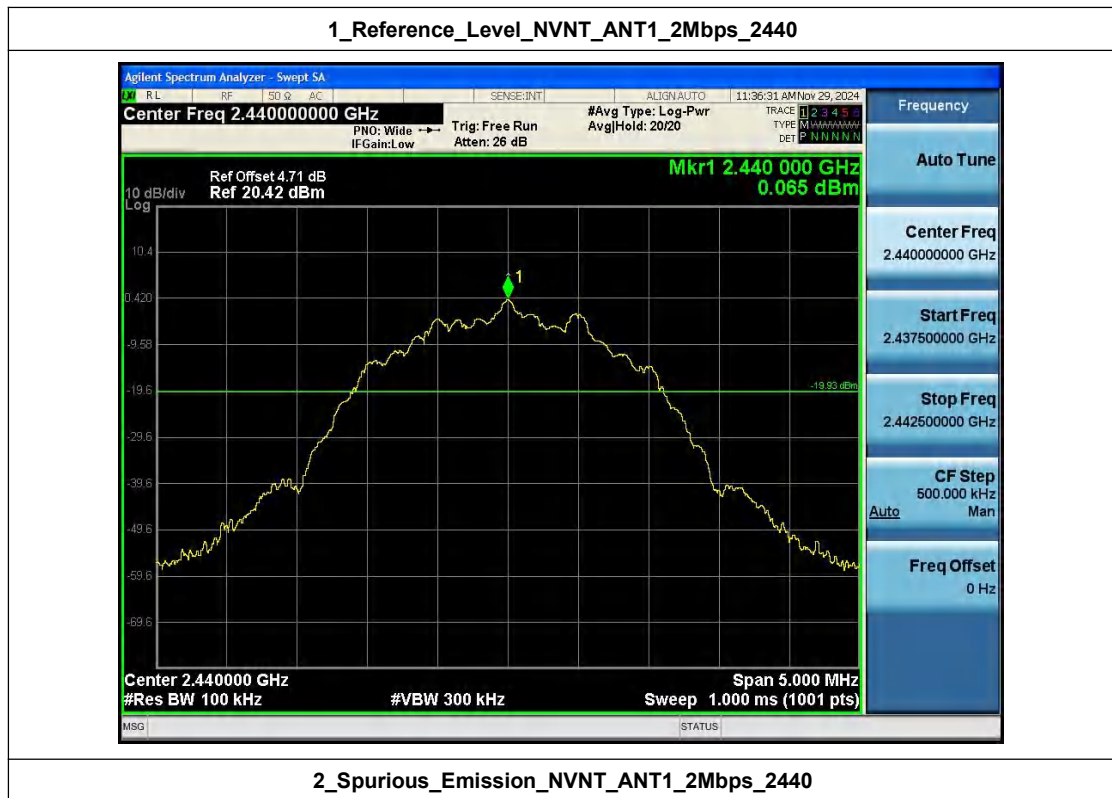


2\_Spurious\_Emission\_NVNT\_ANT1\_2Mbps\_2402





1\_Reference\_Level\_NVNT\_ANT1\_2Mbps\_2440

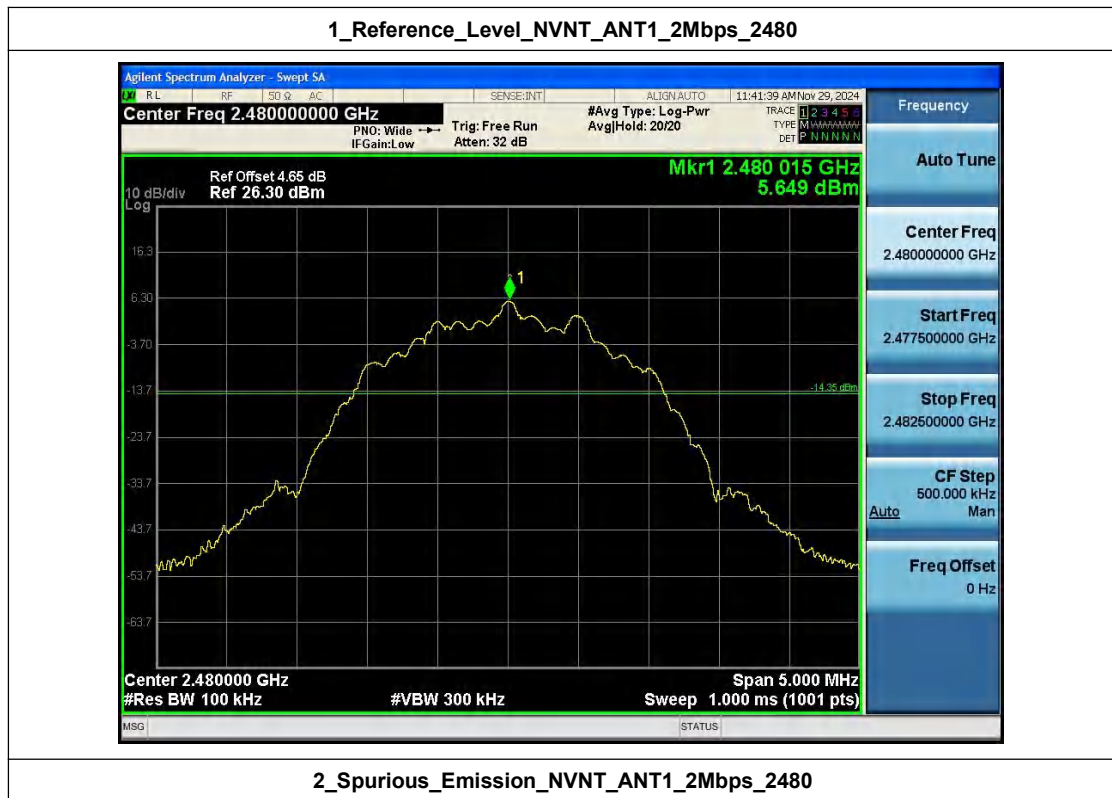


2\_Spurious\_Emission\_NVNT\_ANT1\_2Mbps\_2440





1\_Reference\_Level\_NVNT\_ANT1\_2Mbps\_2480



2\_Spurious\_Emission\_NVNT\_ANT1\_2Mbps\_2480







---END---

