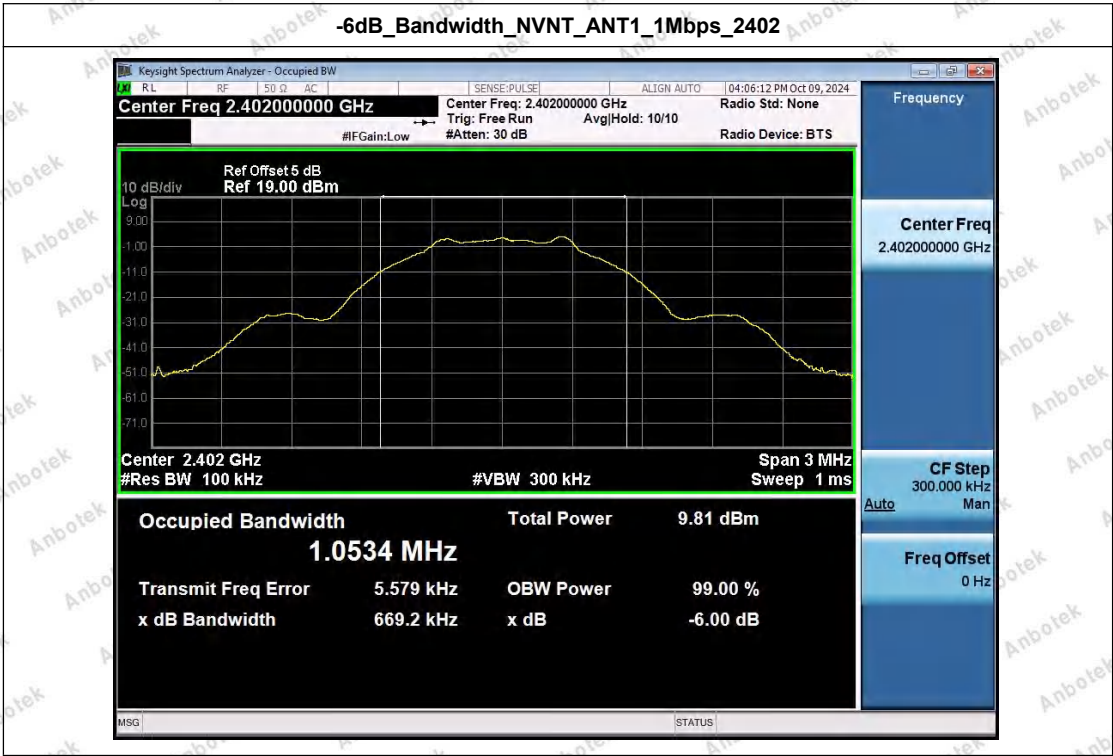


Appendix Test Data

|                  |                  |                    |             |
|------------------|------------------|--------------------|-------------|
| Report No.:      | 1812C40094012502 | Test Sample No.:   | 1-2-2       |
| Start Test Date: | 2024.10.9        | Finish Test Date:  | 2024.10.9   |
| Test Engineer:   | Joker Wang       | Auditor:           | Justin Feng |
| Temperature:     | 22.7°C           | Relative Humidity: | 55%         |
| Pressure:        | 101kPa           |                    |             |

Appendix A: -6dB Bandwidth

| Condition | Antenna | Rate  | Frequency (MHz) | -6dB BW(kHz) | limit(kHz) | Result |
|-----------|---------|-------|-----------------|--------------|------------|--------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | 669.21       | 500        | Pass   |
| NVNT      | ANT1    | 1Mbps | 2440.00         | 929.82       | 500        | Pass   |
| NVNT      | ANT1    | 1Mbps | 2480.00         | 671.21       | 500        | Pass   |
| NVNT      | ANT1    | 2Mbps | 2402.00         | 1175.14      | 500        | Pass   |
| NVNT      | ANT1    | 2Mbps | 2440.00         | 1177.37      | 500        | Pass   |
| NVNT      | ANT1    | 2Mbps | 2480.00         | 1178.04      | 500        | Pass   |



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



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



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

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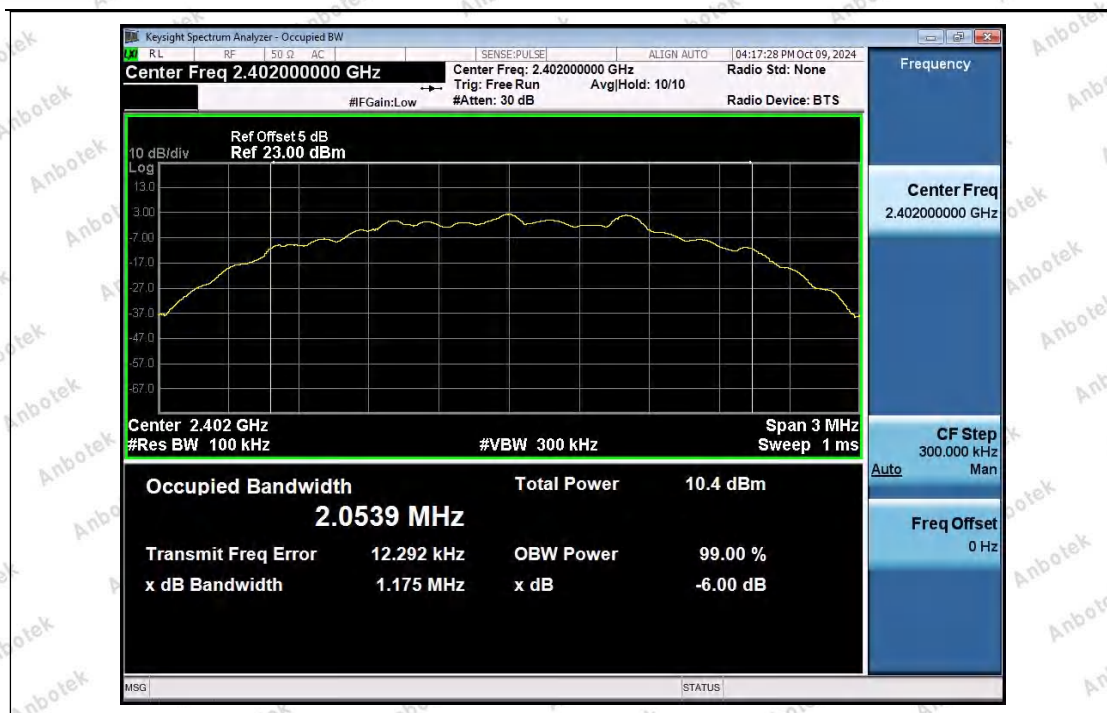


Hotline

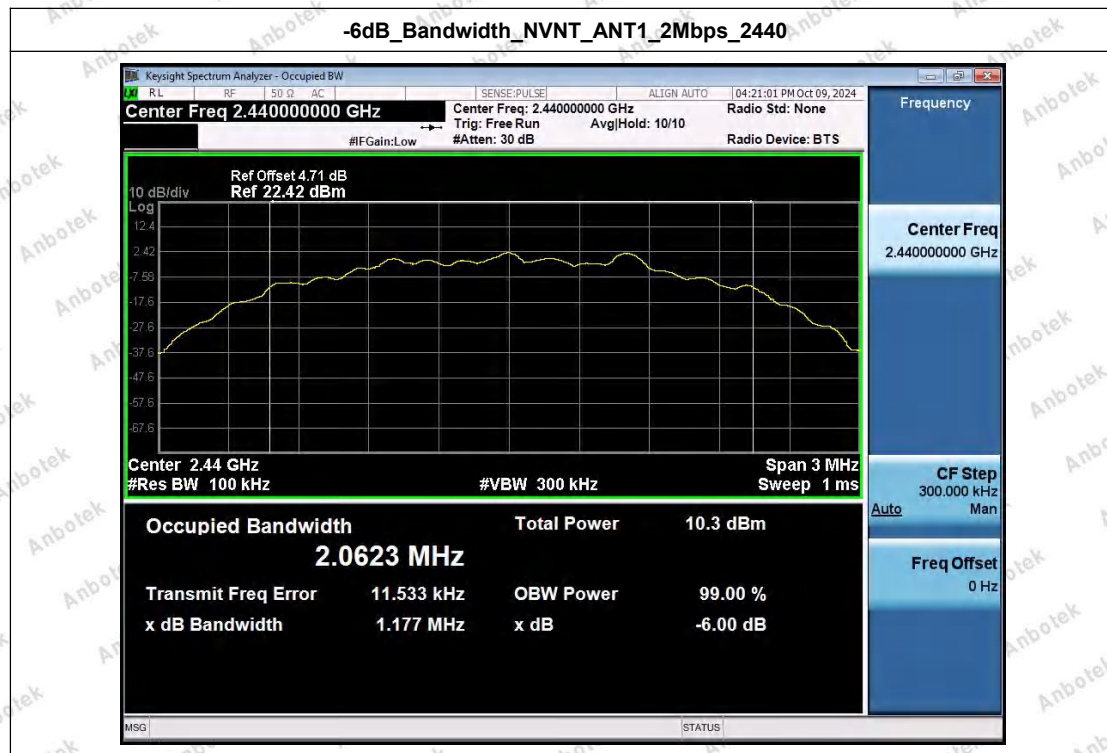
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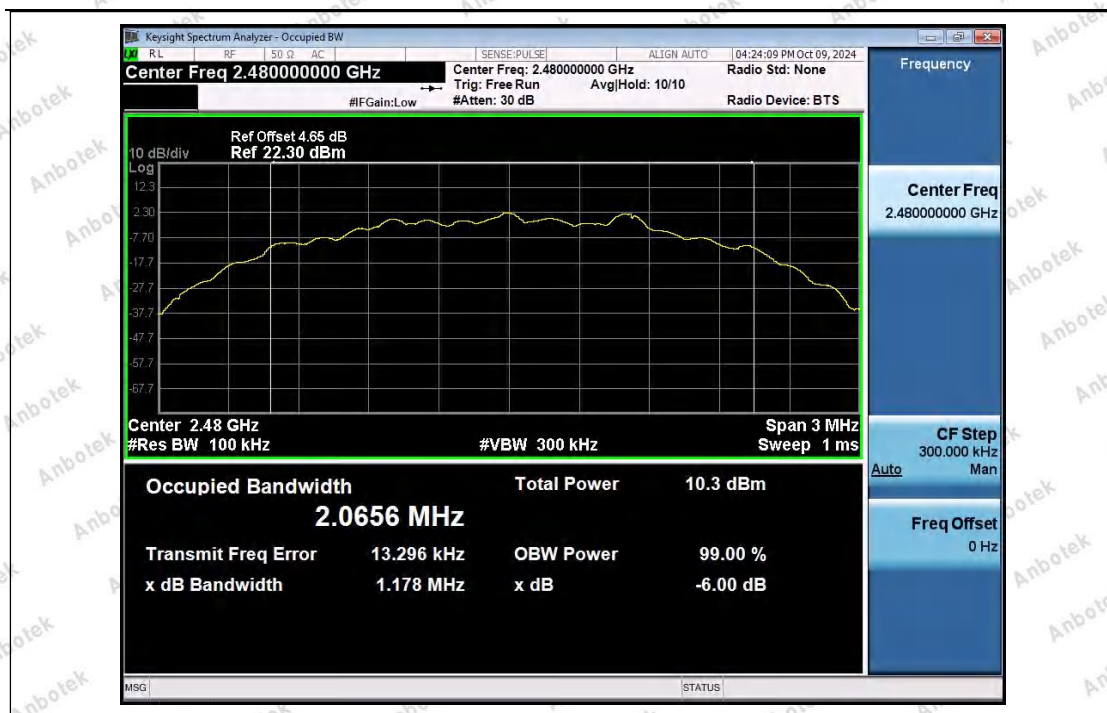


-6dB\_Bandwidth\_NVNT\_ANT1\_2Mbps\_2440



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





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## Appendix B: 99% Occupied Bandwidth

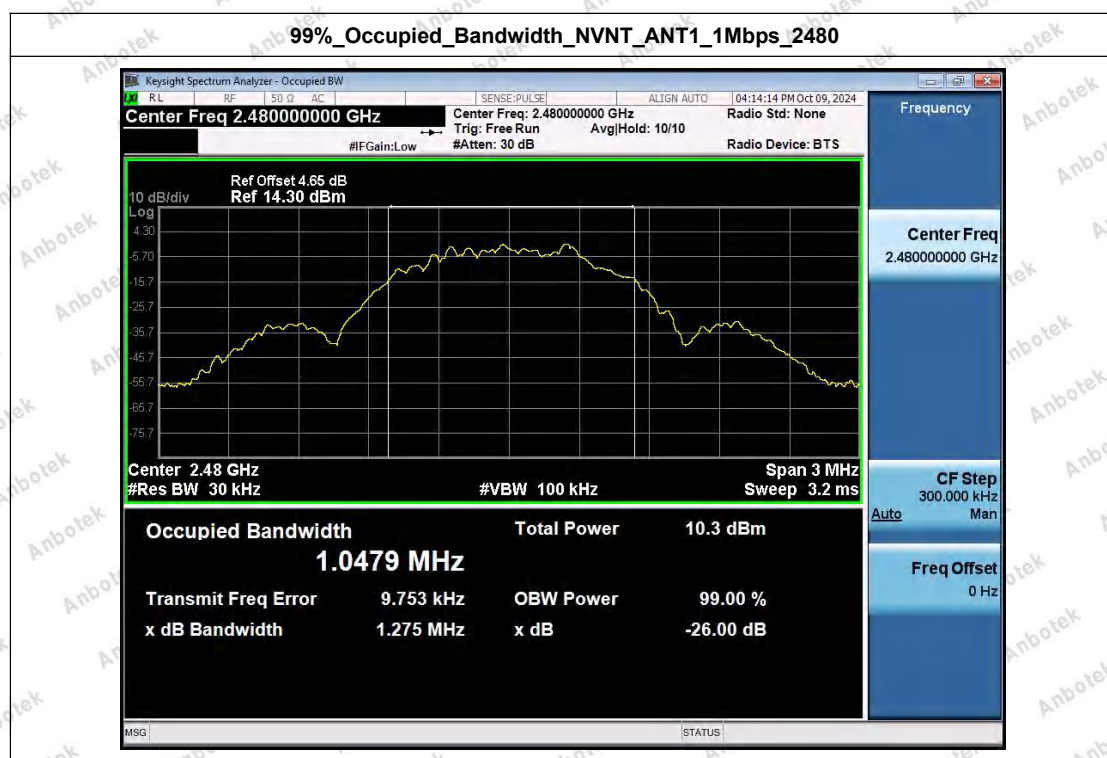
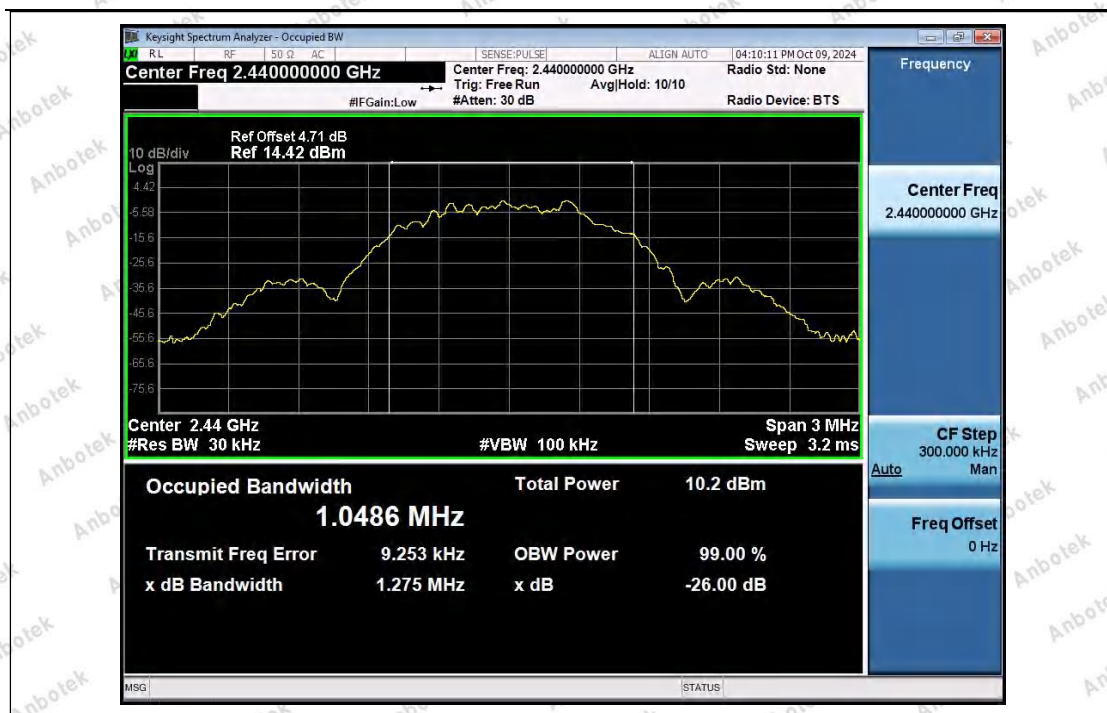
| Condition | Antenna | Rate  | Frequency (MHz) | 99% BW (MHz) |
|-----------|---------|-------|-----------------|--------------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | 1.041        |
| NVNT      | ANT1    | 1Mbps | 2440.00         | 1.049        |
| NVNT      | ANT1    | 1Mbps | 2480.00         | 1.048        |
| NVNT      | ANT1    | 2Mbps | 2402.00         | 2.062        |
| NVNT      | ANT1    | 2Mbps | 2440.00         | 2.074        |
| NVNT      | ANT1    | 2Mbps | 2480.00         | 2.077        |

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



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





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

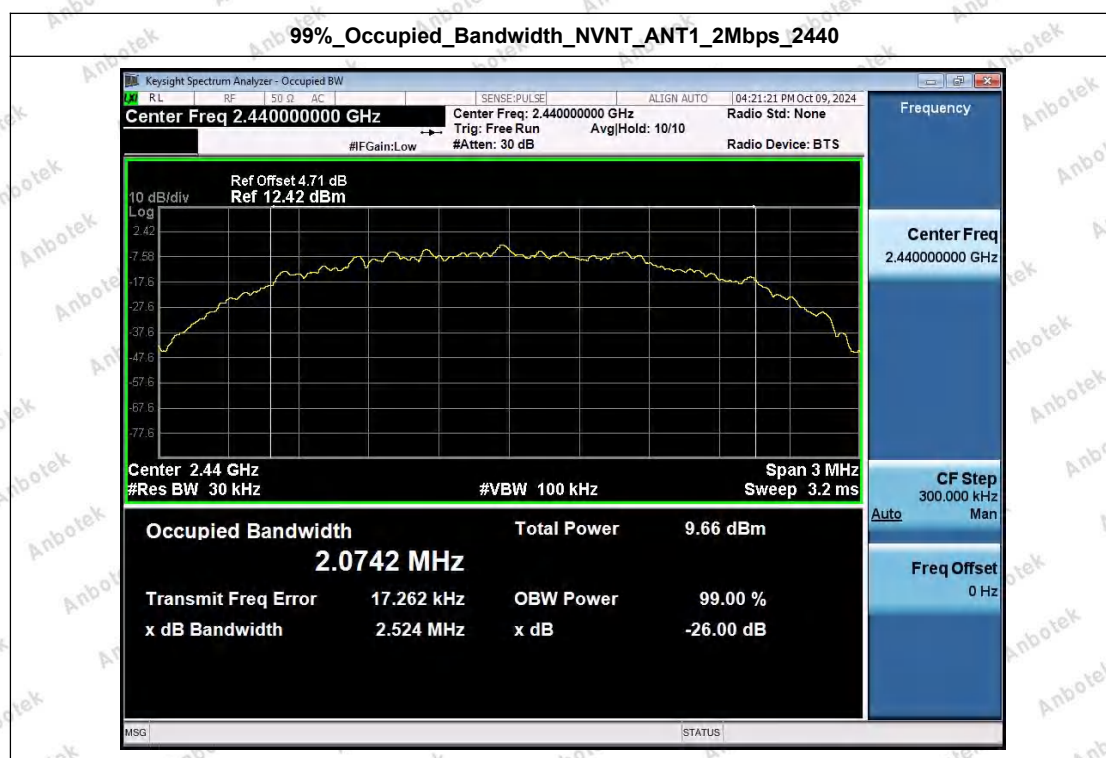
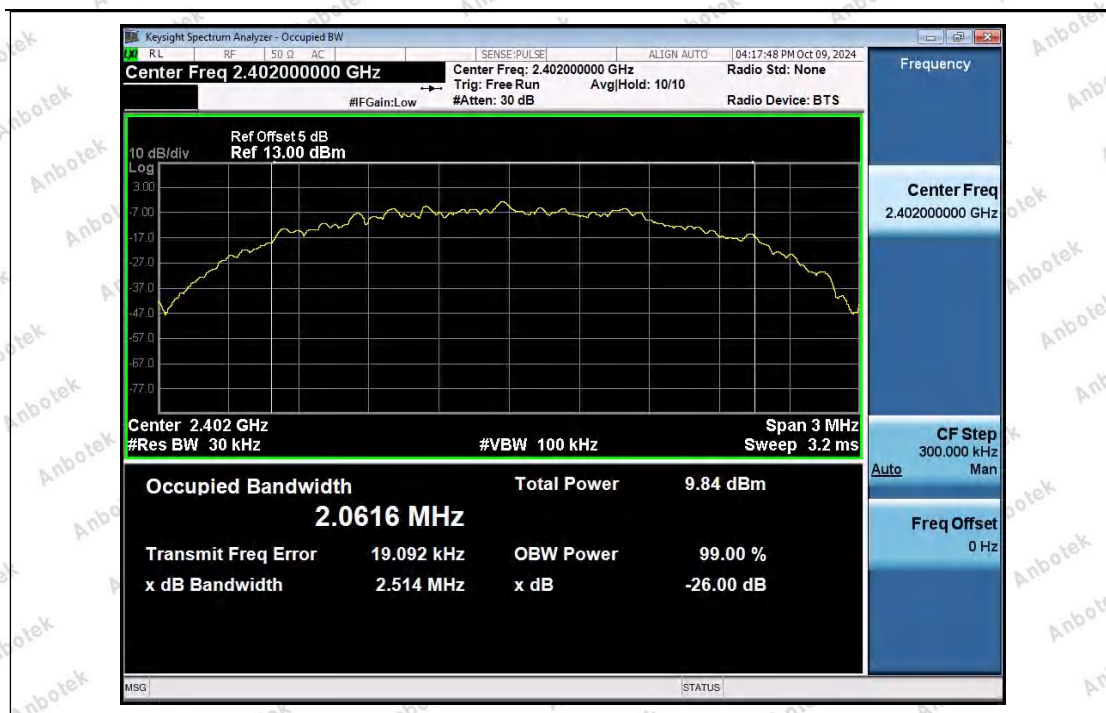
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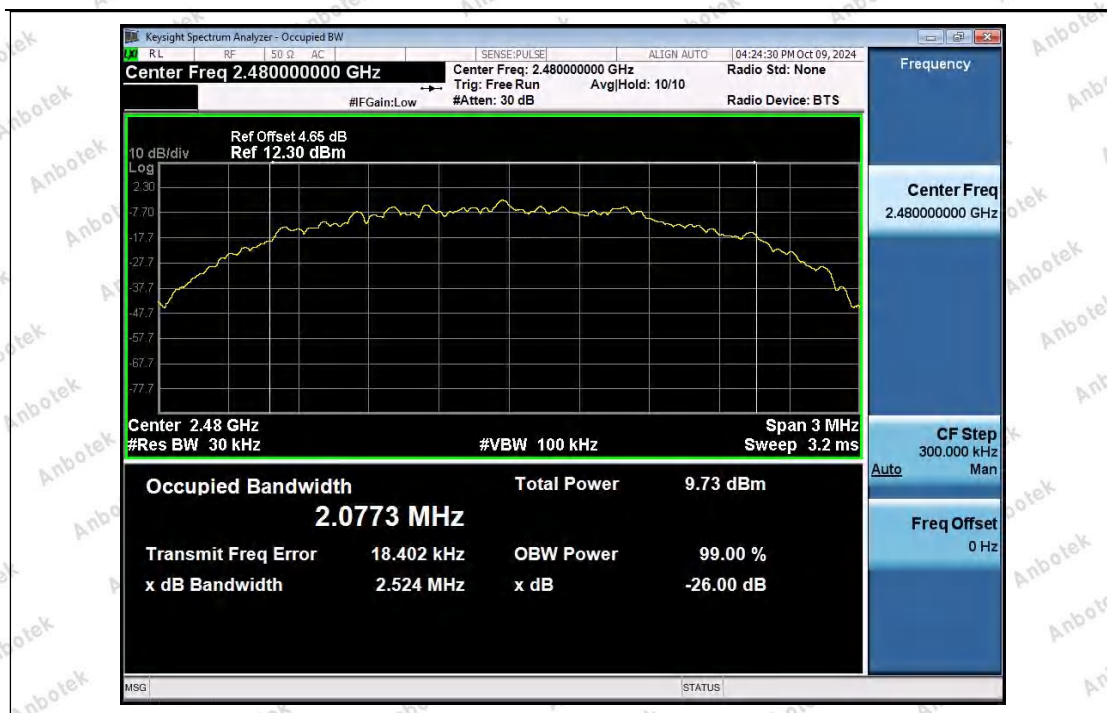
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99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_2Mbps\_2480





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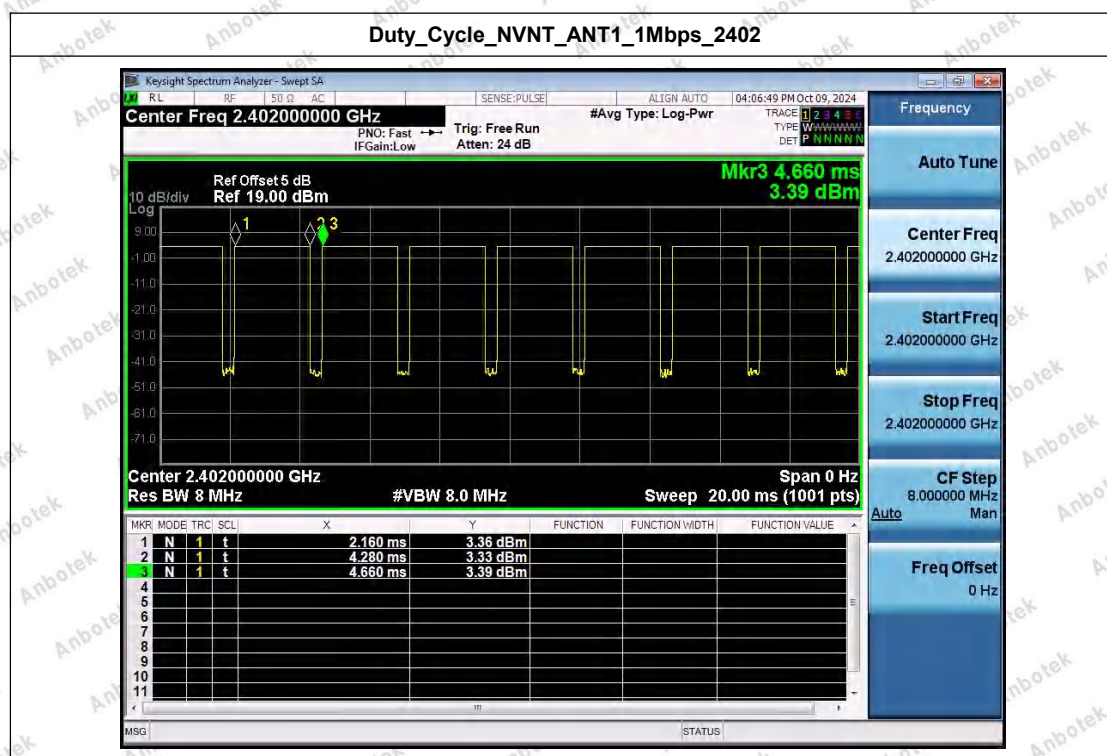
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## Appendix C: Duty Cycle

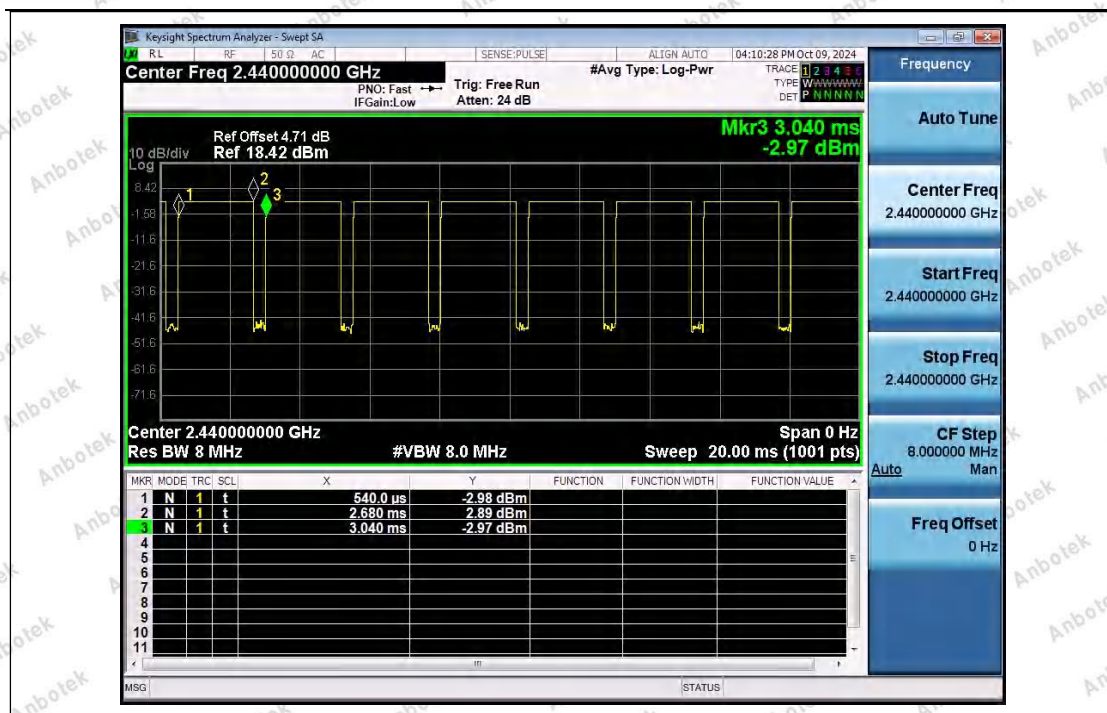
| Condition | Antenna | Rate  | Frequency (MHz) | Dutycycle(%) | Duty_factor |
|-----------|---------|-------|-----------------|--------------|-------------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | 85.60        | 0.68        |
| NVNT      | ANT1    | 1Mbps | 2440.00         | 86.40        | 0.63        |
| NVNT      | ANT1    | 1Mbps | 2480.00         | 85.60        | 0.68        |
| NVNT      | ANT1    | 2Mbps | 2402.00         | 58.06        | 2.36        |
| NVNT      | ANT1    | 2Mbps | 2440.00         | 56.38        | 2.49        |
| NVNT      | ANT1    | 2Mbps | 2480.00         | 56.99        | 2.44        |

Duty\_Cycle\_NVNT\_ANT1\_1Mbps\_2402

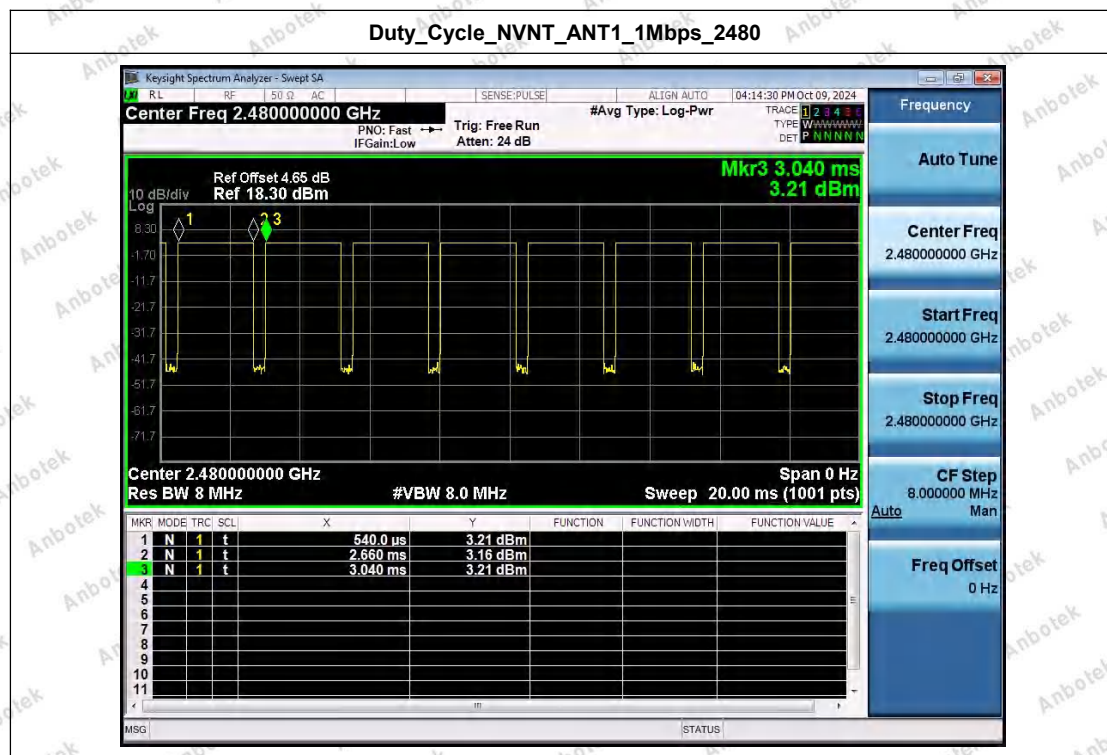


Duty\_Cycle\_NVNT\_ANT1\_1Mbps\_2440



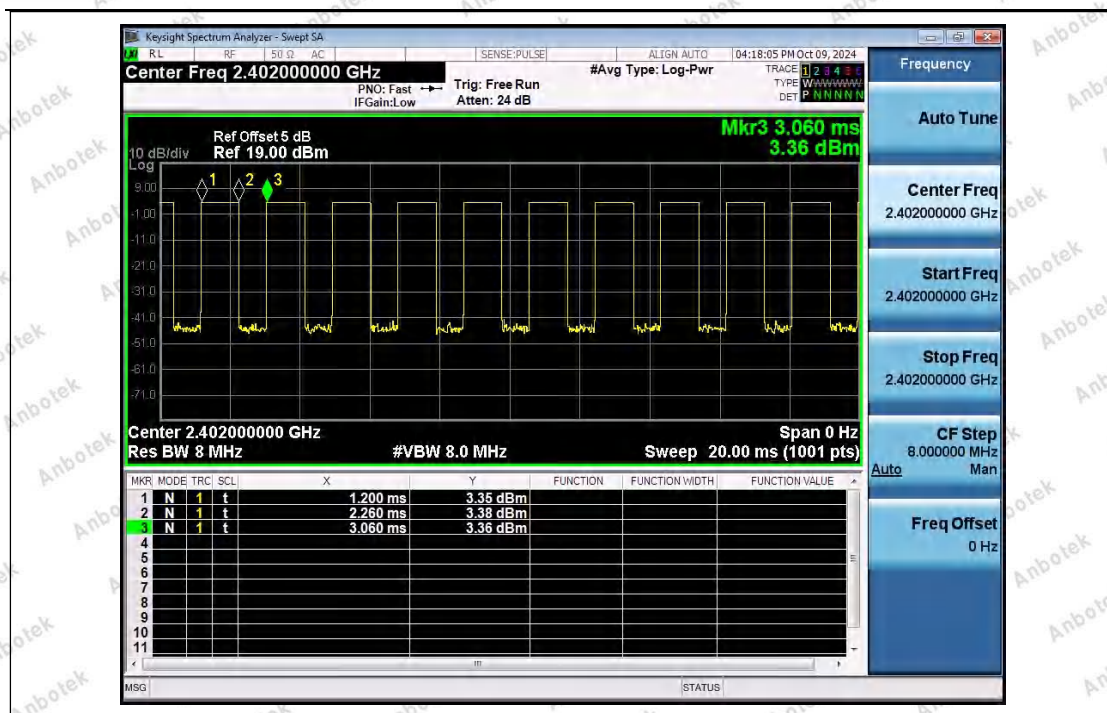


Duty\_Cycle\_NVNT\_ANT1\_1Mbps\_2480

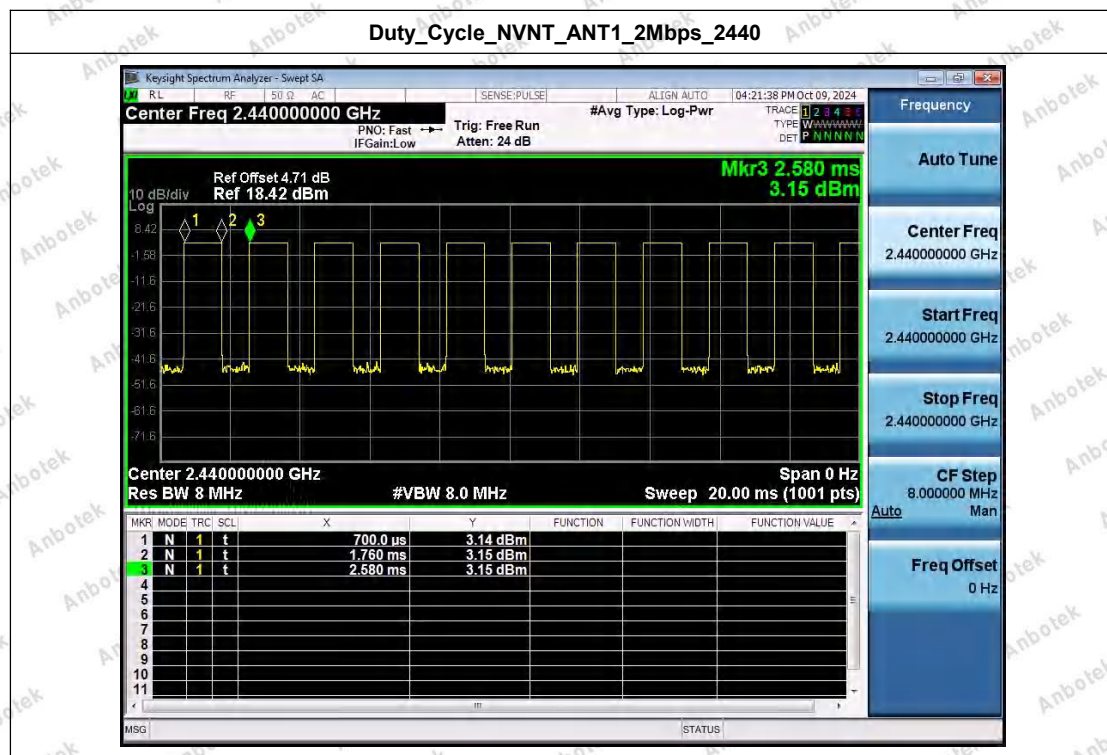


Duty\_Cycle\_NVNT\_ANT1\_2Mbps\_2402



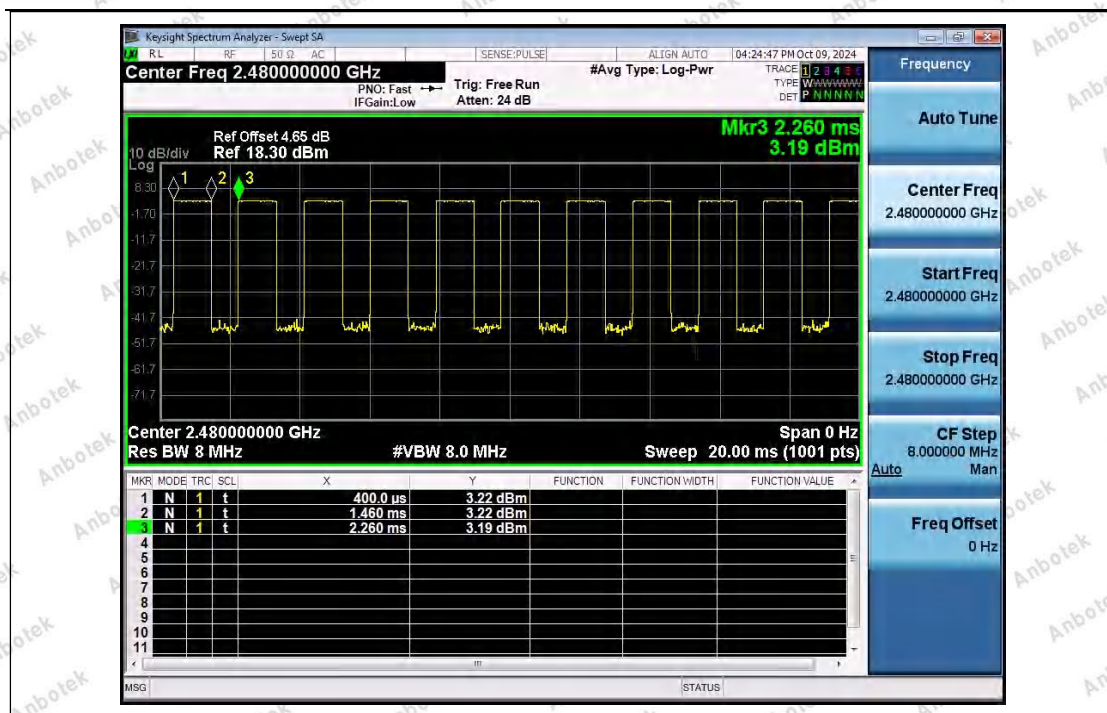


Duty\_Cycle\_NVNT\_ANT1\_2Mbps\_2440



Duty\_Cycle\_NVNT\_ANT1\_2Mbps\_2480





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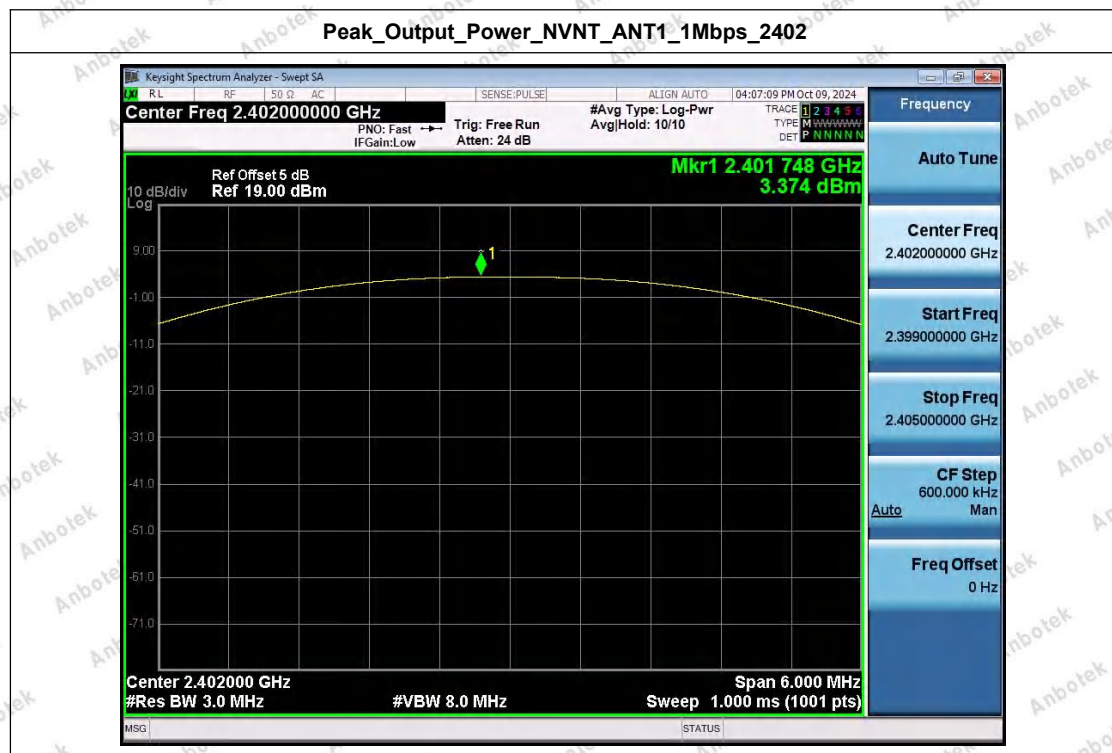


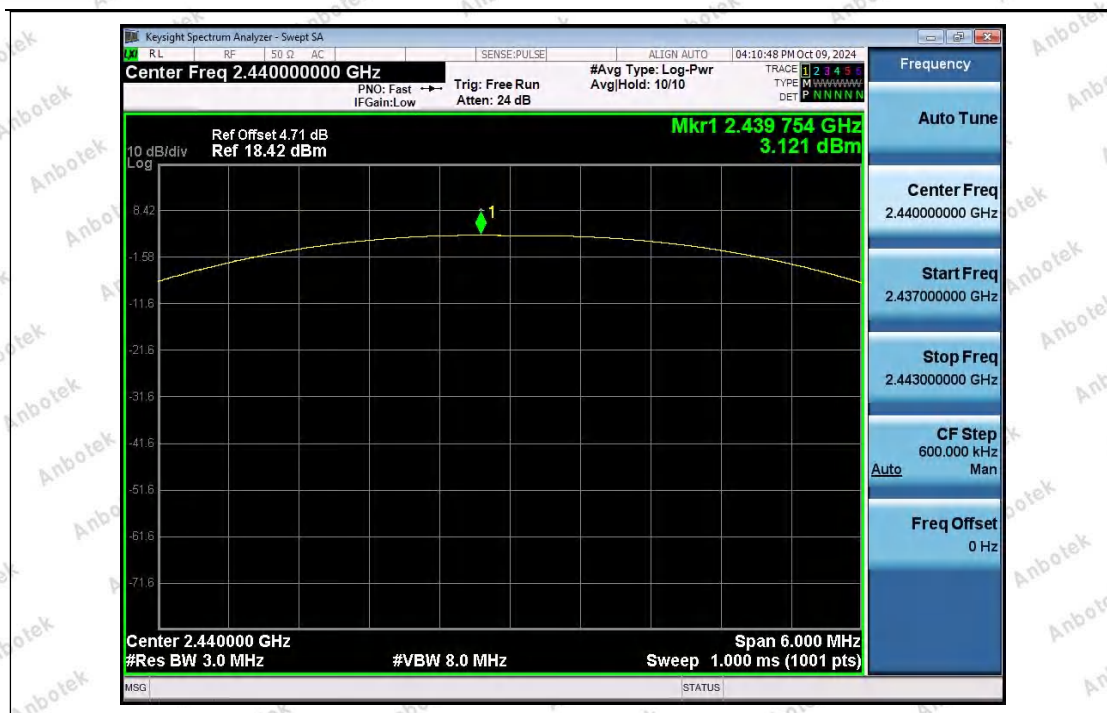
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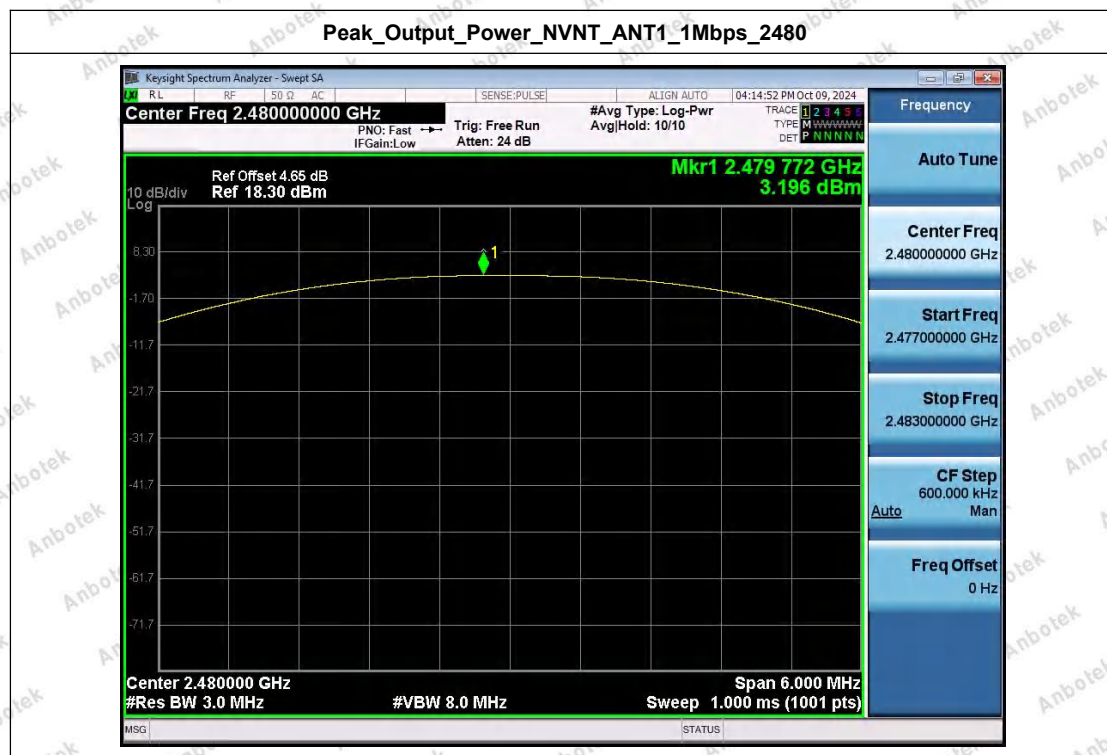
**Appendix D: Peak Output Power**

| Condition | Antenna | Rate  | Frequency (MHz) | Max. Conducted Power(dBm) | Max. Conducted Power(mW) | Limit(mW) | Result |
|-----------|---------|-------|-----------------|---------------------------|--------------------------|-----------|--------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | 3.37                      | 2.17                     | 1000      | Pass   |
| NVNT      | ANT1    | 1Mbps | 2440.00         | 3.12                      | 2.05                     | 1000      | Pass   |
| NVNT      | ANT1    | 1Mbps | 2480.00         | 3.20                      | 2.09                     | 1000      | Pass   |
| NVNT      | ANT1    | 2Mbps | 2402.00         | 3.38                      | 2.18                     | 1000      | Pass   |
| NVNT      | ANT1    | 2Mbps | 2440.00         | 3.16                      | 2.07                     | 1000      | Pass   |
| NVNT      | ANT1    | 2Mbps | 2480.00         | 3.23                      | 2.10                     | 1000      | Pass   |

**Peak\_Output\_Power\_NVNT\_ANT1\_1Mbps\_2402****Peak\_Output\_Power\_NVNT\_ANT1\_1Mbps\_2440**



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

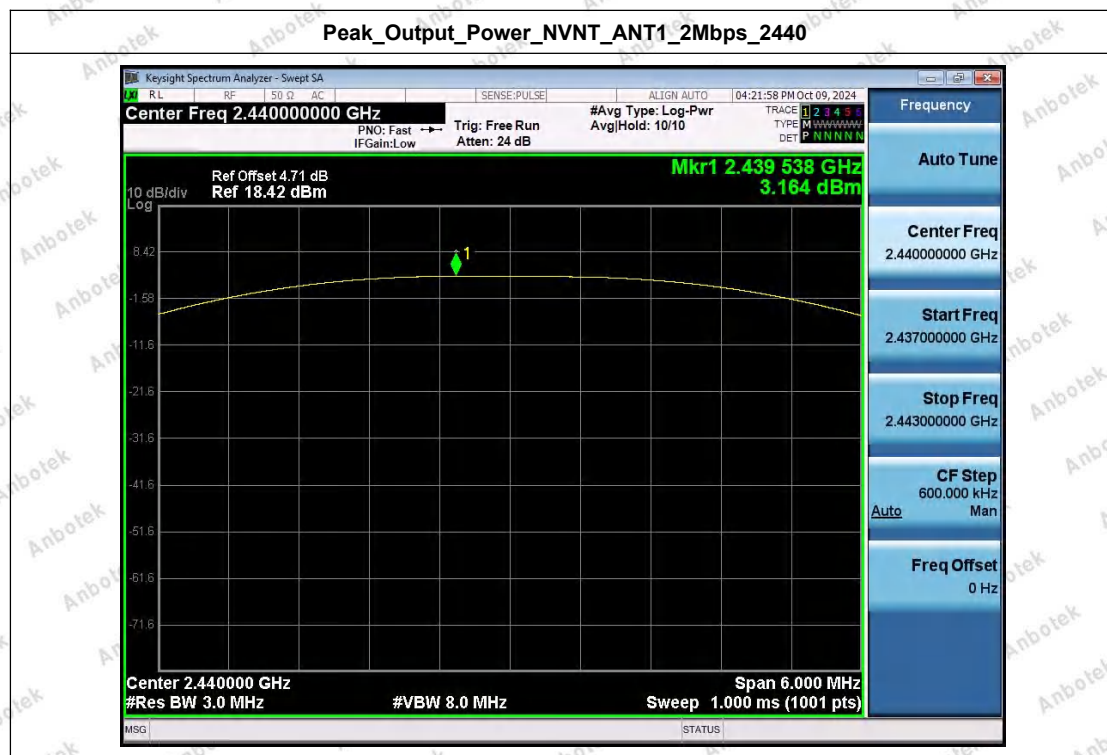


Peak\_Output\_Power\_NVNT\_ANT1\_2Mbps\_2402





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         | -13.06                           | 8               | Pass   |
| NVNT      | ANT1    | 1Mbps | 2440.00         | -13.25                           | 8               | Pass   |
| NVNT      | ANT1    | 1Mbps | 2480.00         | -13.07                           | 8               | Pass   |
| NVNT      | ANT1    | 2Mbps | 2402.00         | -15.67                           | 8               | Pass   |
| NVNT      | ANT1    | 2Mbps | 2440.00         | -15.80                           | 8               | Pass   |
| NVNT      | ANT1    | 2Mbps | 2480.00         | -15.59                           | 8               | Pass   |

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

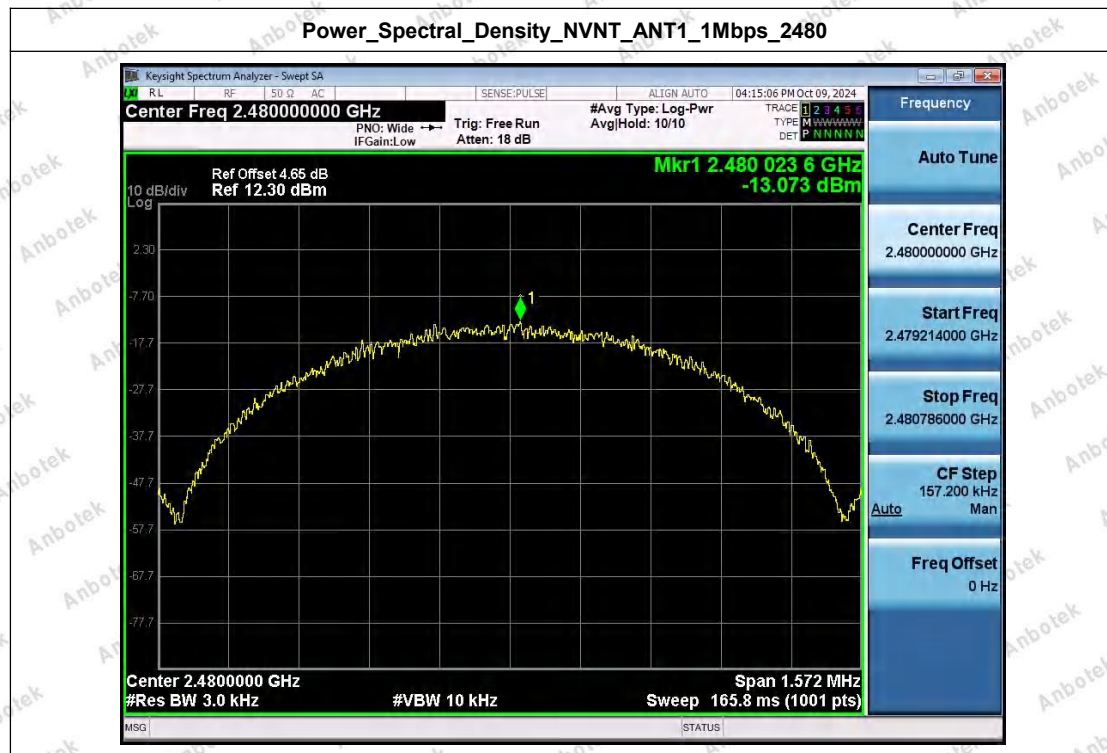


Power\_Spectral\_Density\_NVNT\_ANT1\_1Mbps\_2440





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

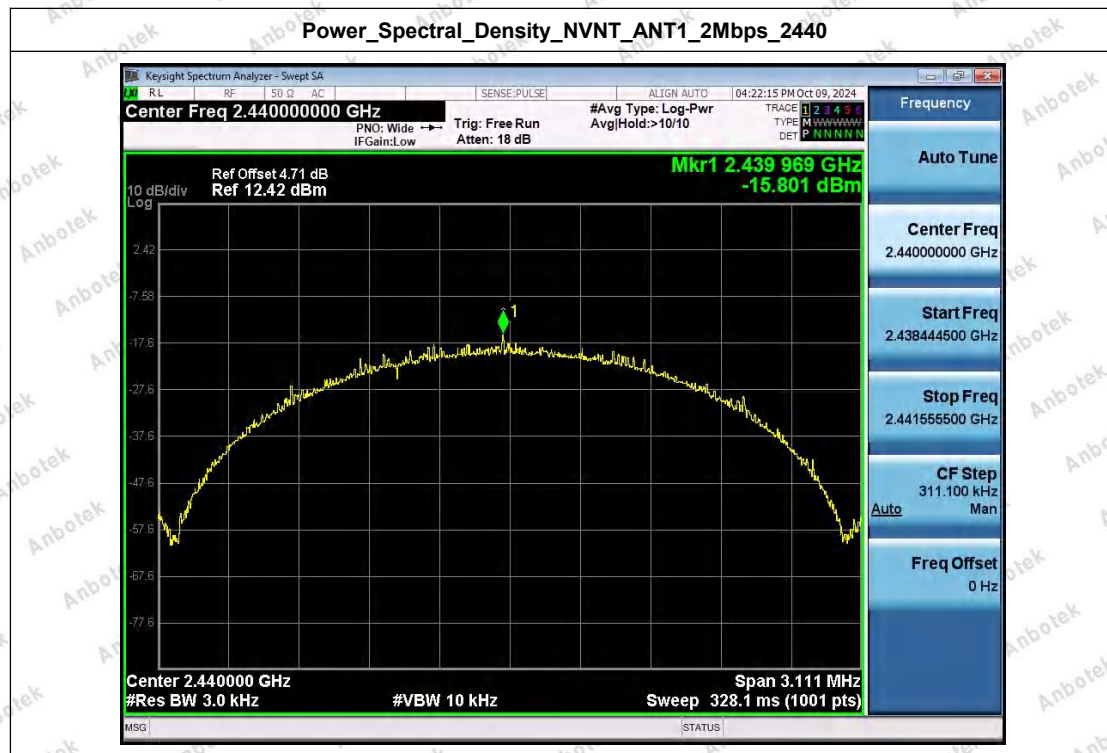


Power\_Spectral\_Density\_NVNT\_ANT1\_2Mbps\_2402





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



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



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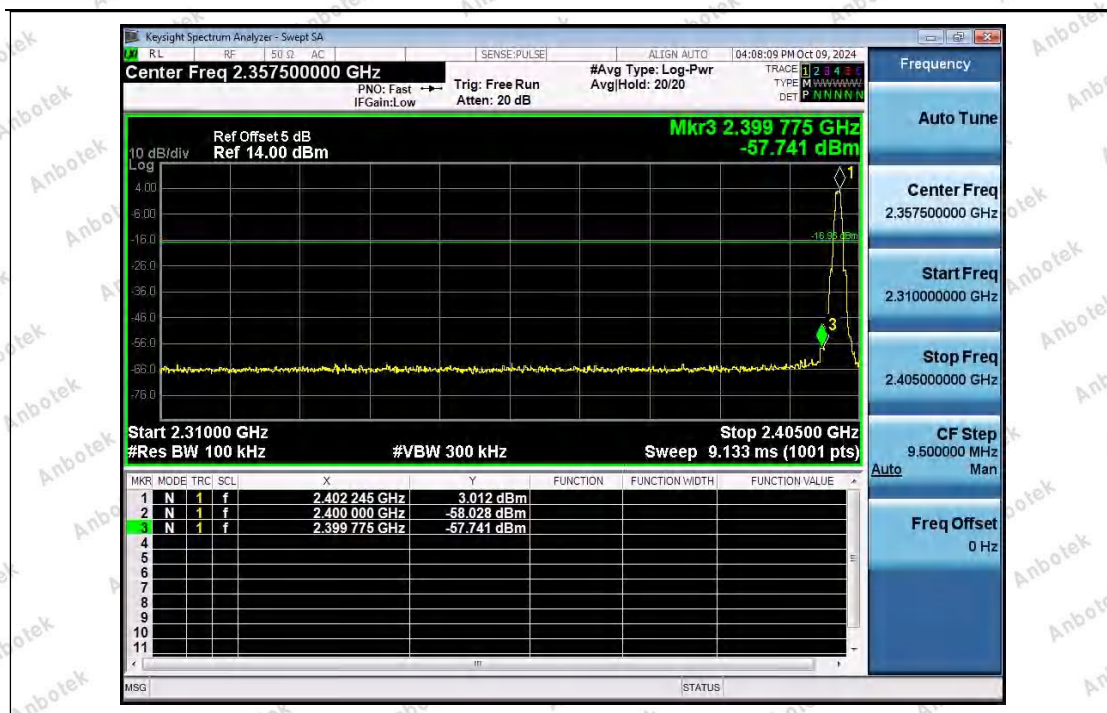
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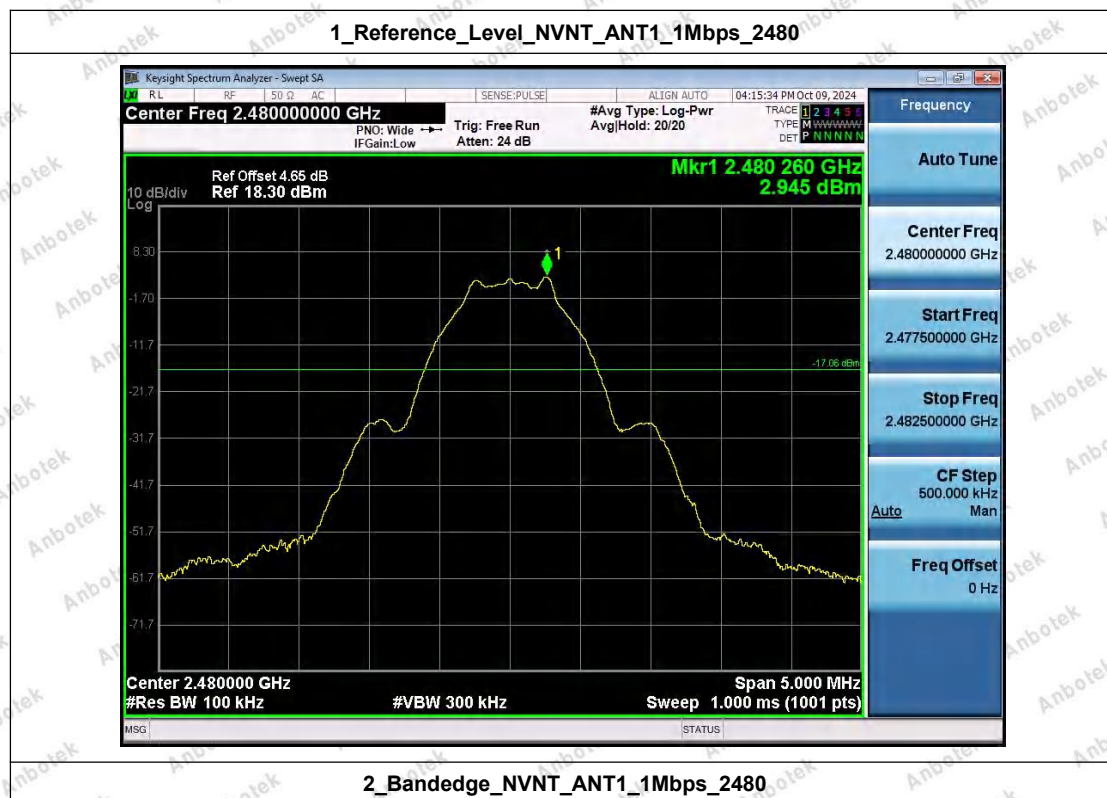
**Appendix F: Bandedge**

| Condition | Antenna | Rate  | TX_Frequency<br>(MHz) | Max. Mark<br>Frequency (MHz) | Spurious<br>level(dBm) | limit(dBm) | Result |
|-----------|---------|-------|-----------------------|------------------------------|------------------------|------------|--------|
| NVNT      | ANT1    | 1Mbps | 2402.00               | 2399.775                     | -57.741                | -16.963    | Pass   |
| NVNT      | ANT1    | 1Mbps | 2480.00               | 2483.950                     | -63.240                | -17.055    | Pass   |
| NVNT      | ANT1    | 2Mbps | 2402.00               | 2399.965                     | -28.239                | -17.619    | Pass   |
| NVNT      | ANT1    | 2Mbps | 2480.00               | 2483.525                     | -54.288                | -17.767    | Pass   |

**1\_Reference\_Level\_NVNT\_ANT1\_1Mbps\_2402****2\_Bandedge\_NVNT\_ANT1\_1Mbps\_2402**

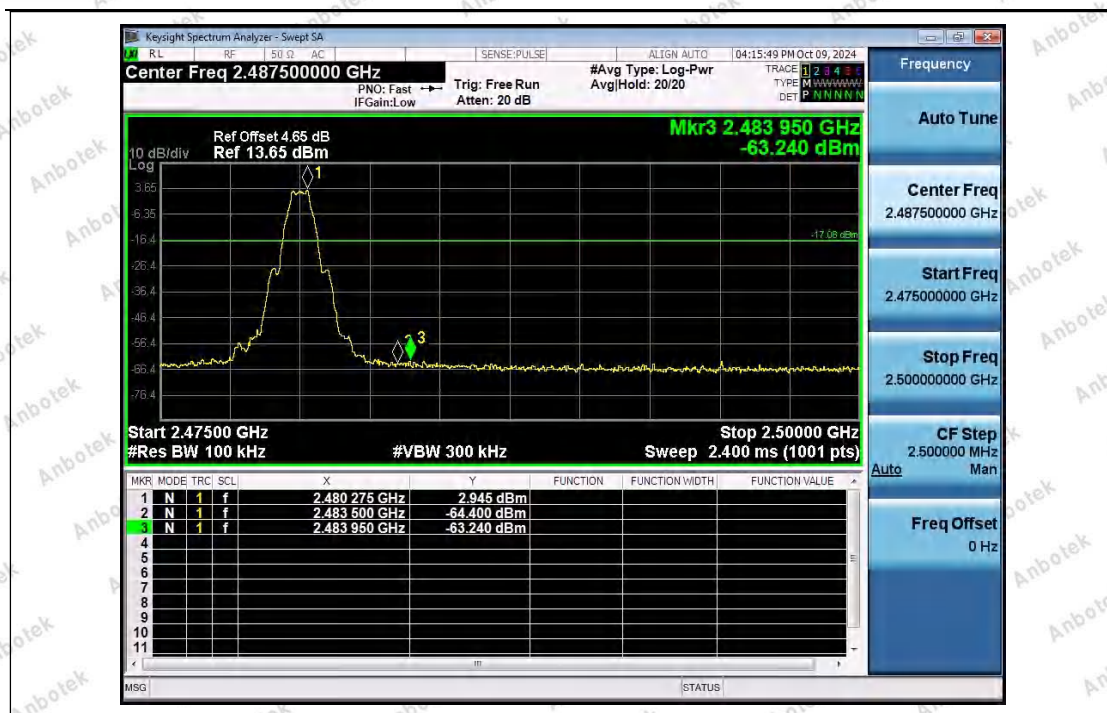


1\_Reference\_Level\_NVNT\_ANT1\_1Mbps\_2480



2\_Bandedge\_NVNT\_ANT1\_1Mbps\_2480



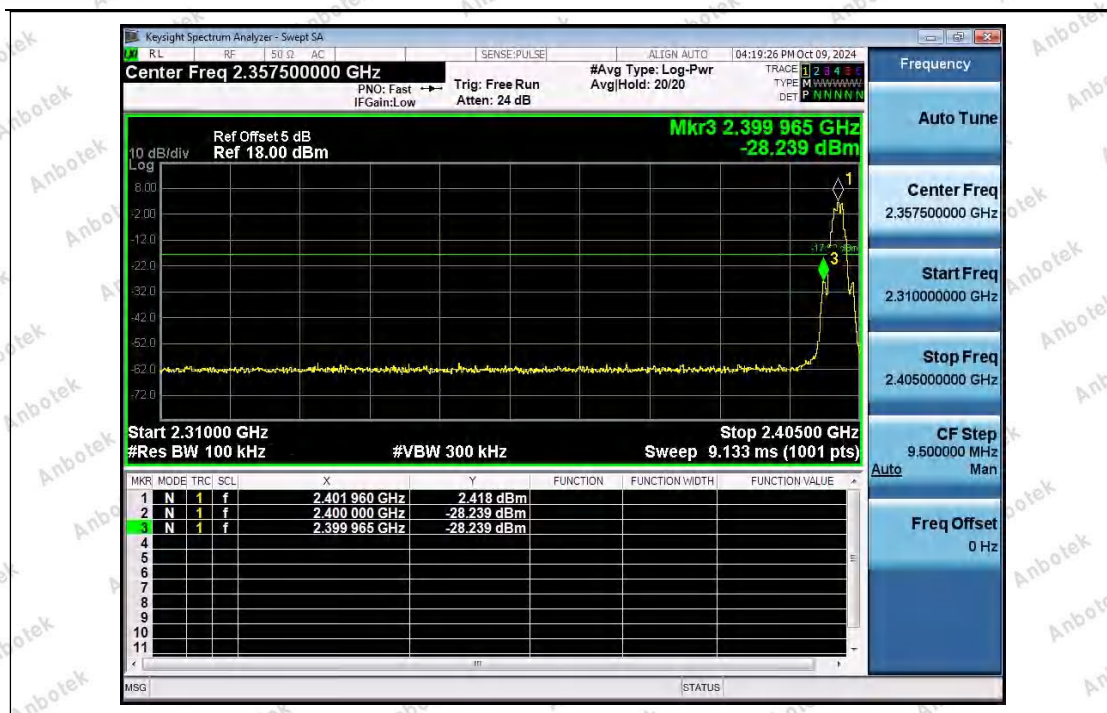


1\_Reference\_Level\_NVNT\_ANT1\_2Mbps\_2402

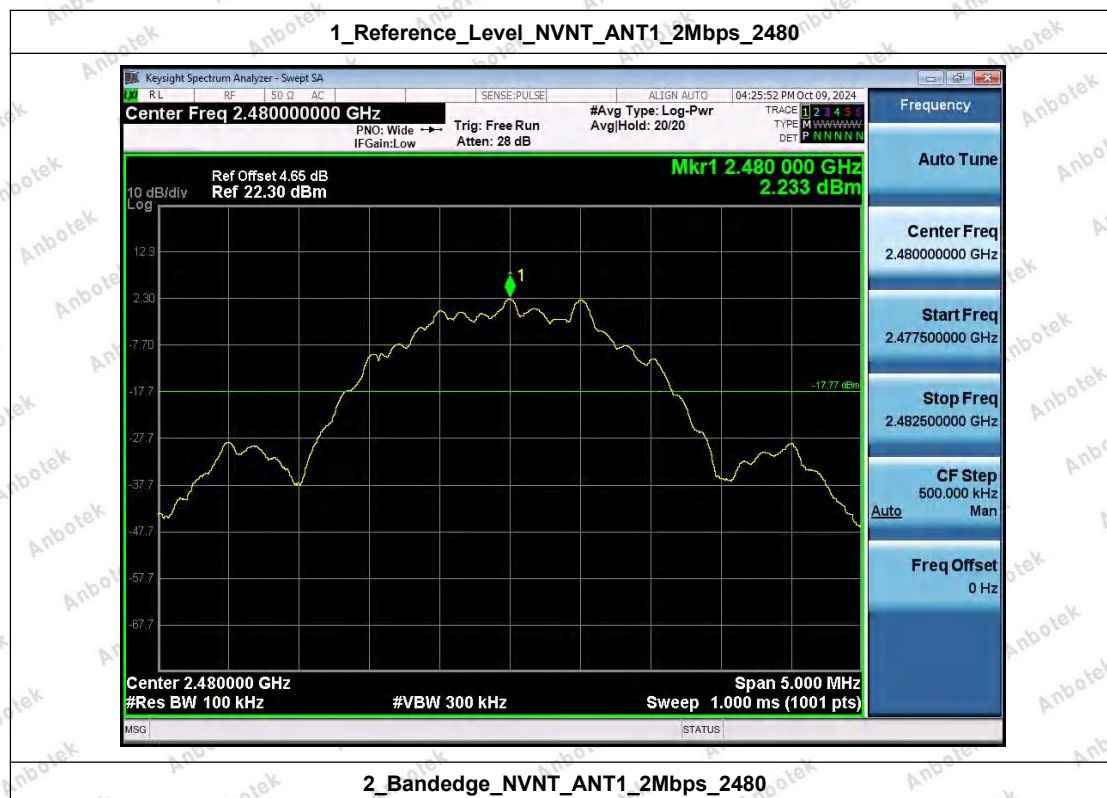


2\_Bandedge\_NVNT\_ANT1\_2Mbps\_2402



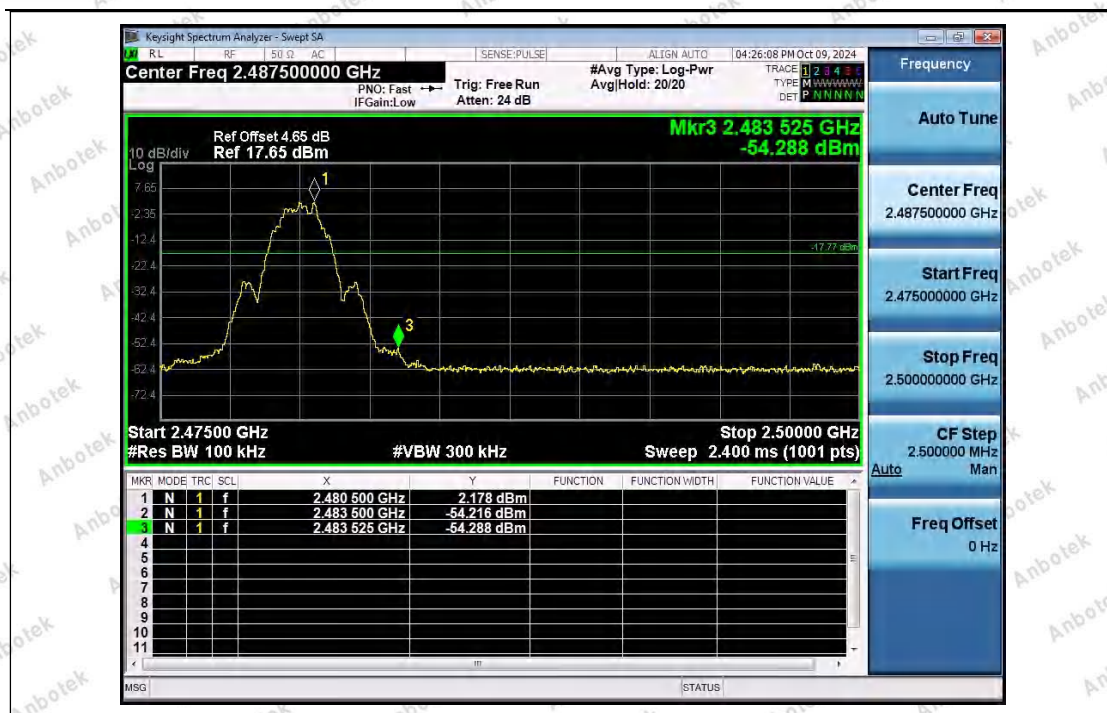


1\_Reference\_Level\_NVNT\_ANT1\_2Mbps\_2480



2\_Bandedge\_NVNT\_ANT1\_2Mbps\_2480





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## Appendix G: Spurious Emission

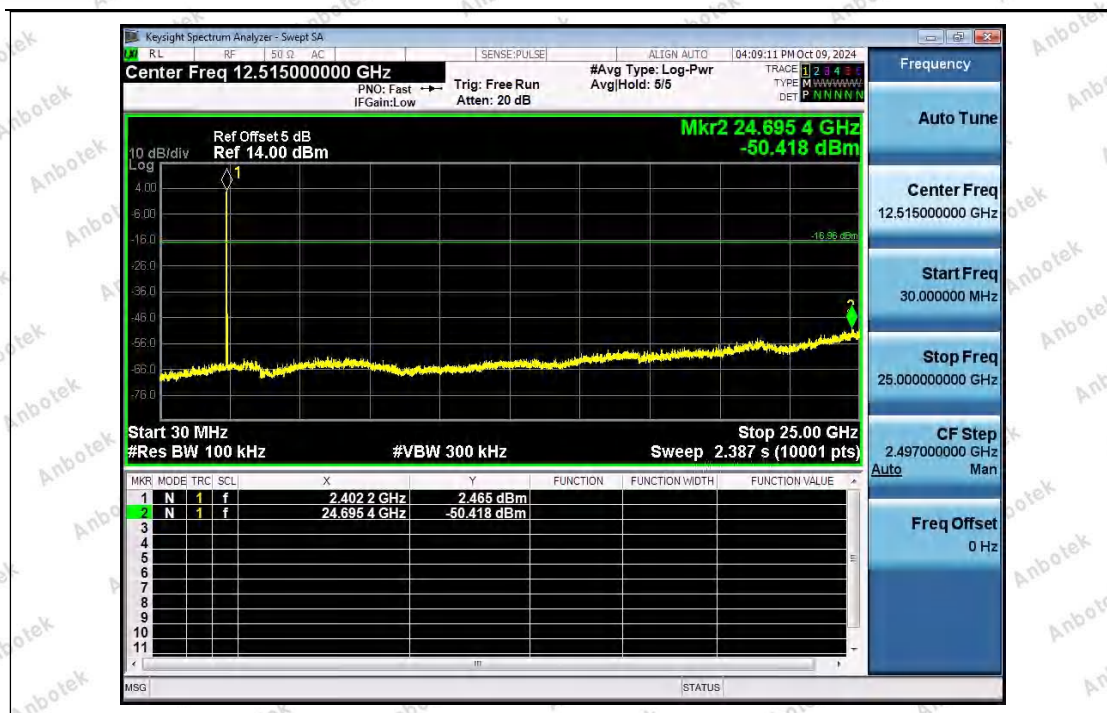
| Condition | Antenna | Rate  | TX_Frequency(MHz) | Spurious<br>MAX.Value(dBm) | Limit   | Result |
|-----------|---------|-------|-------------------|----------------------------|---------|--------|
| NVNT      | ANT1    | 1Mbps | 2402.00           | -50.418                    | -16.963 | Pass   |
| NVNT      | ANT1    | 1Mbps | 2440.00           | -51.110                    | -17.204 | Pass   |
| NVNT      | ANT1    | 1Mbps | 2480.00           | -50.529                    | -17.055 | Pass   |
| NVNT      | ANT1    | 2Mbps | 2402.00           | -45.828                    | -17.619 | Pass   |
| NVNT      | ANT1    | 2Mbps | 2440.00           | -46.180                    | -17.902 | Pass   |
| NVNT      | ANT1    | 2Mbps | 2480.00           | -45.698                    | -17.767 | Pass   |

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

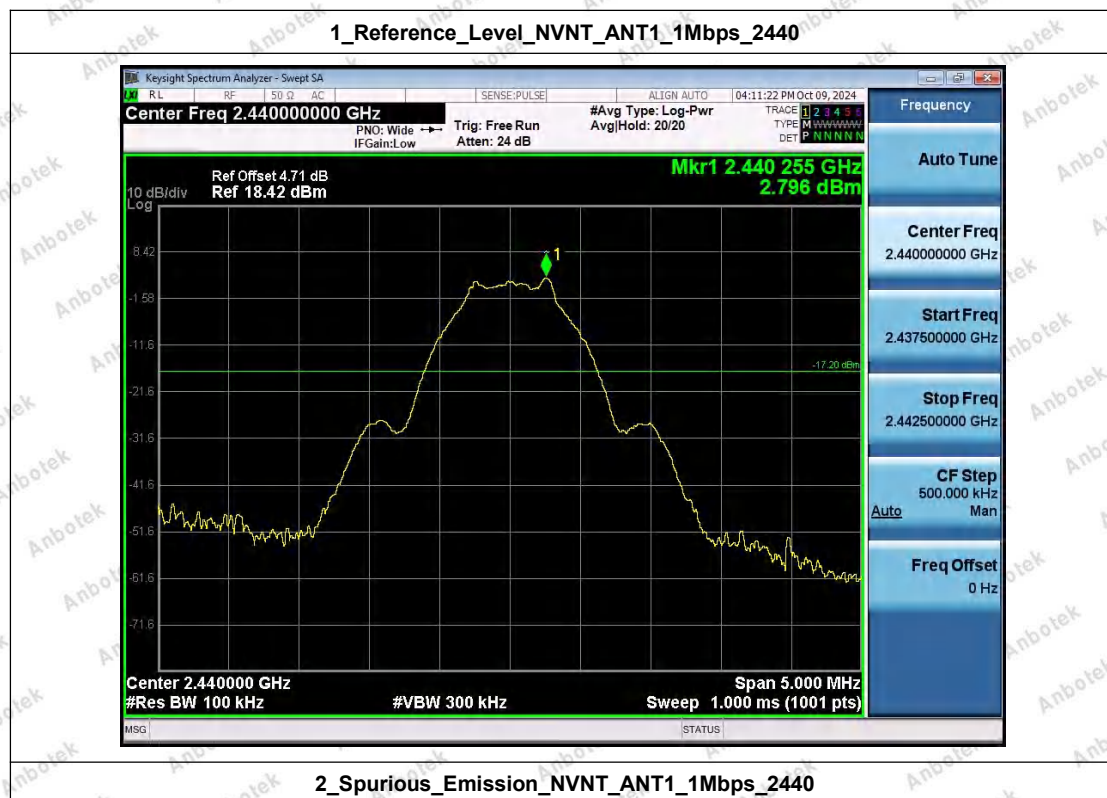


2\_Spurious\_Emission\_NVNT\_ANT1\_1Mbps\_2402



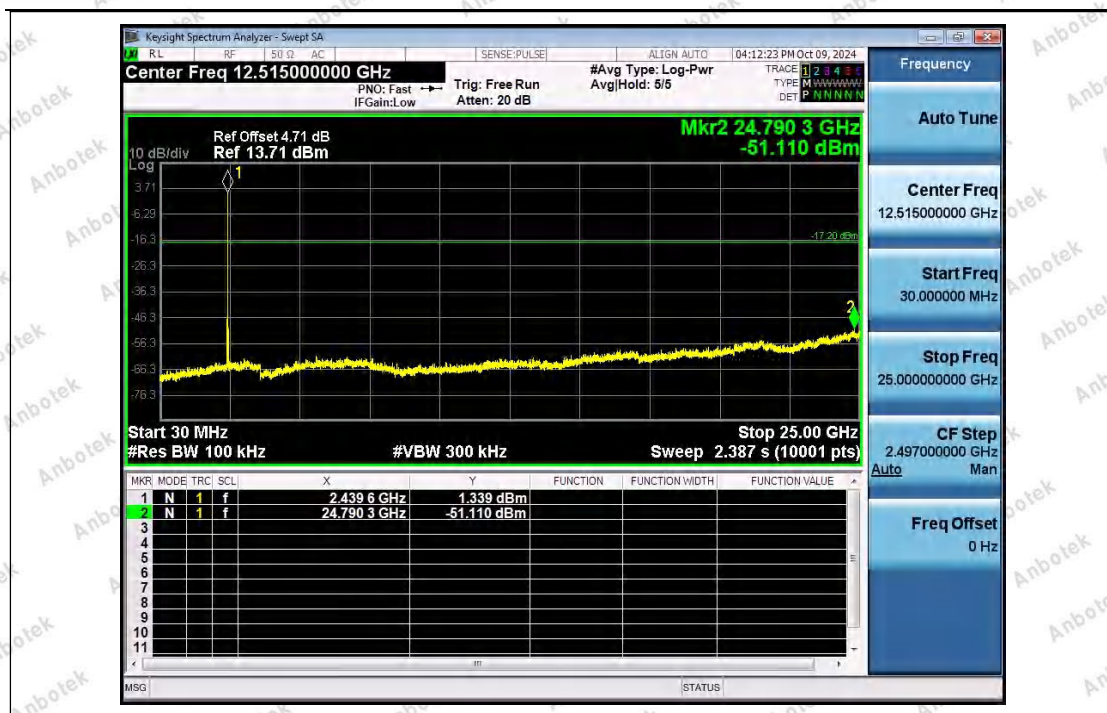


1\_Reference\_Level\_NVNT\_ANT1\_1Mbps\_2440

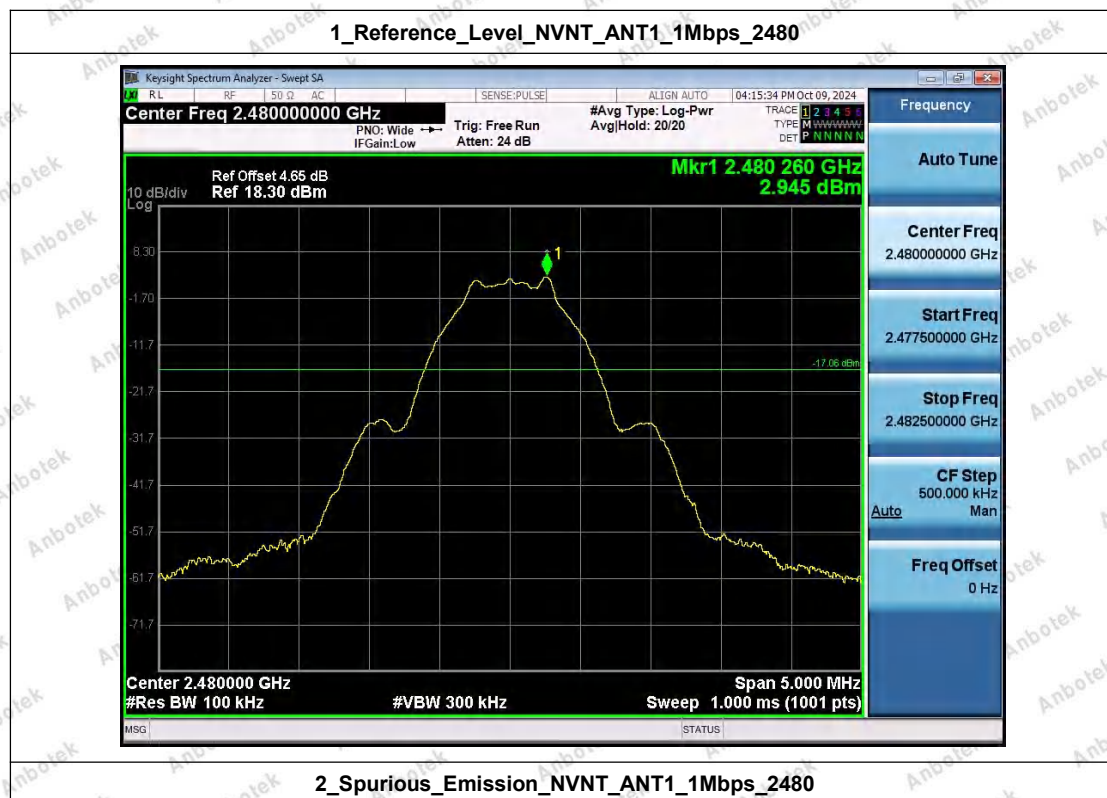


2\_Spurious\_Emission\_NVNT\_ANT1\_1Mbps\_2440



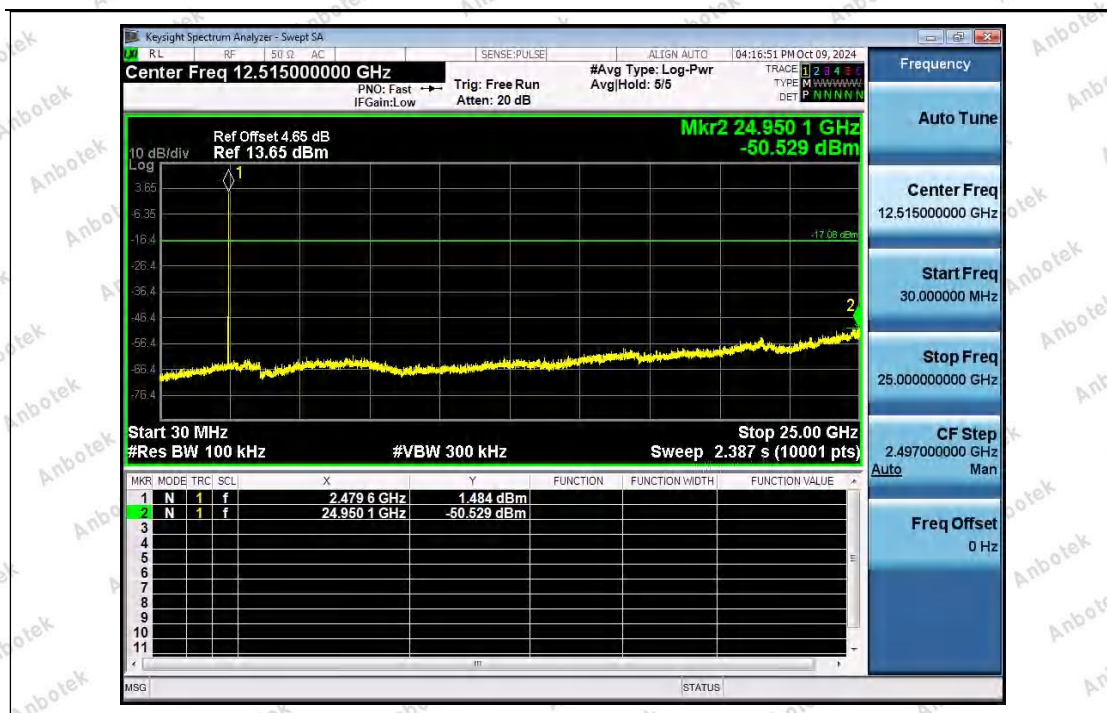


1\_Reference\_Level\_NVNT\_ANT1\_1Mbps\_2480

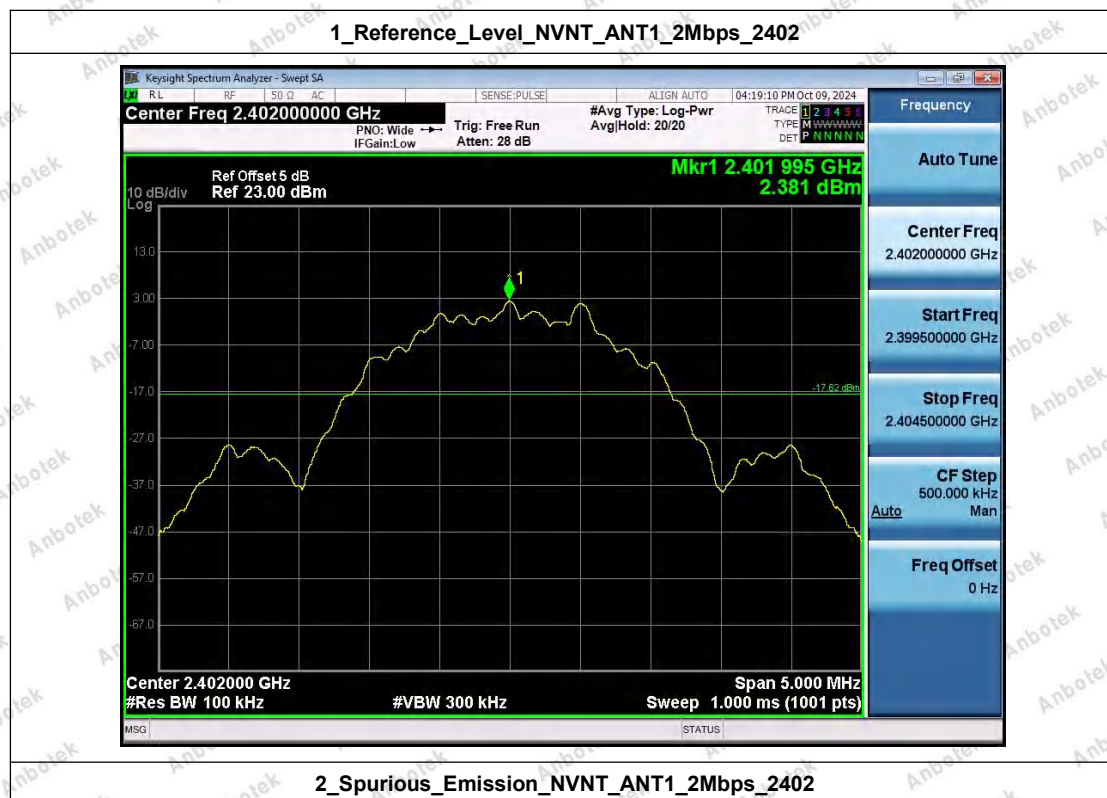


2\_Spurious\_Emission\_NVNT\_ANT1\_1Mbps\_2480



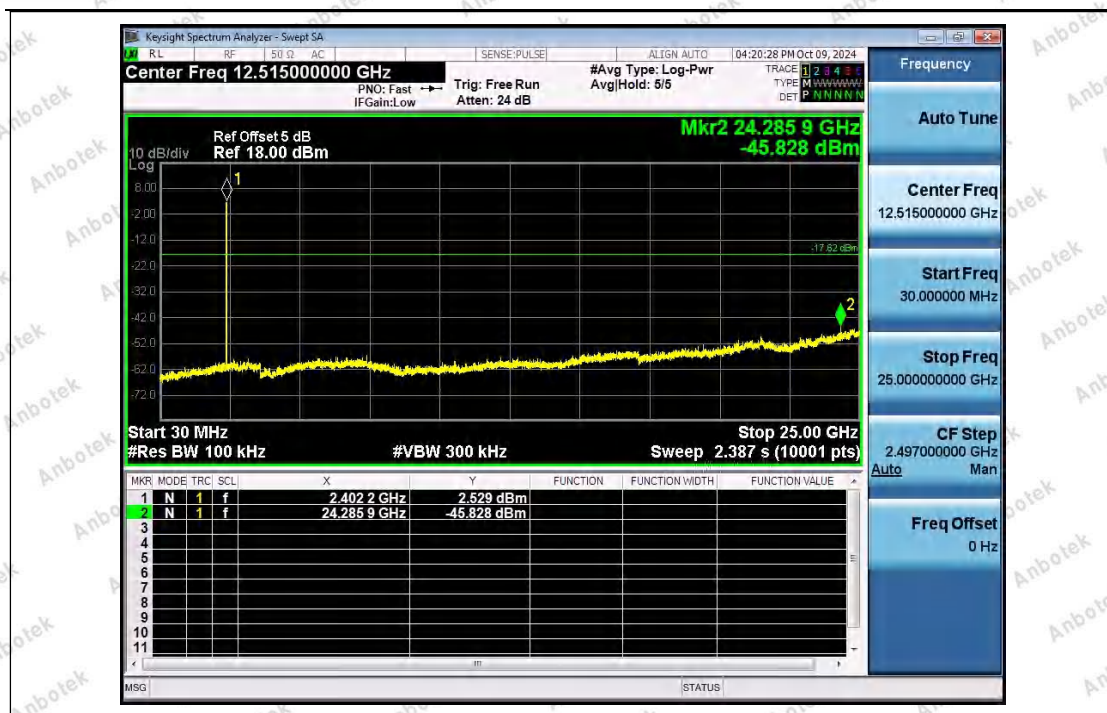


1\_Reference\_Level\_NVNT\_ANT1\_2Mbps\_2402

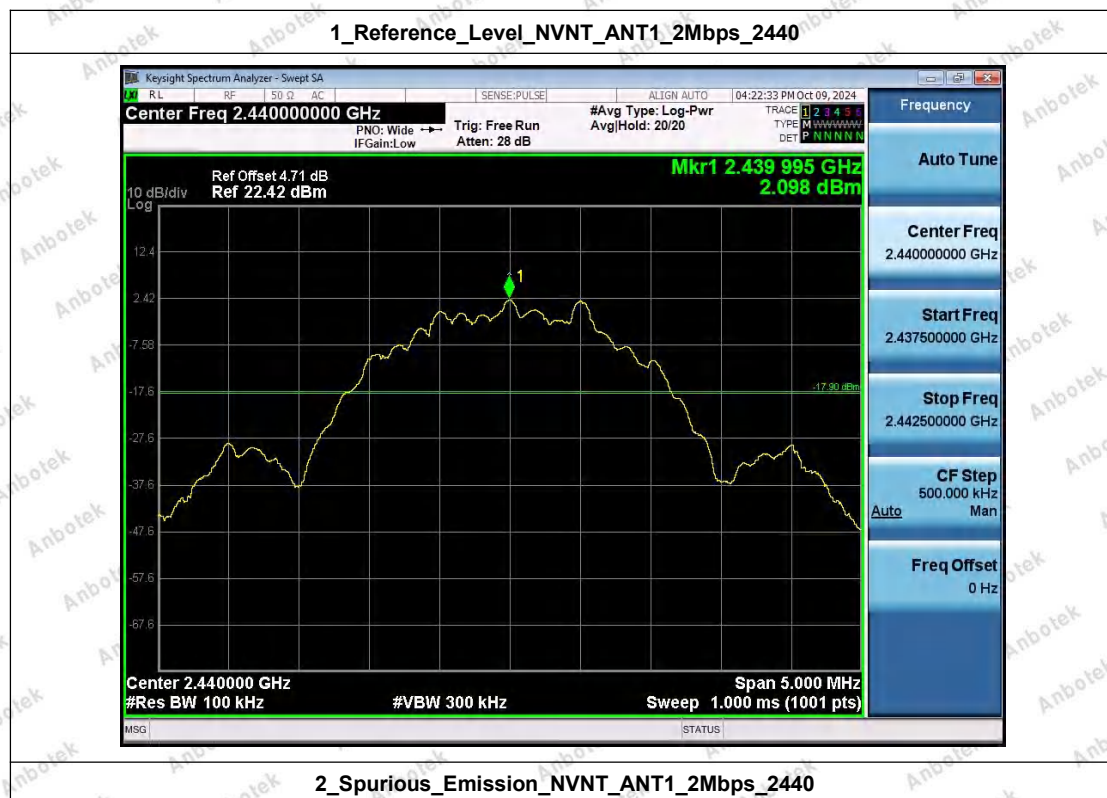


2\_Spurious\_Emission\_NVNT\_ANT1\_2Mbps\_2402



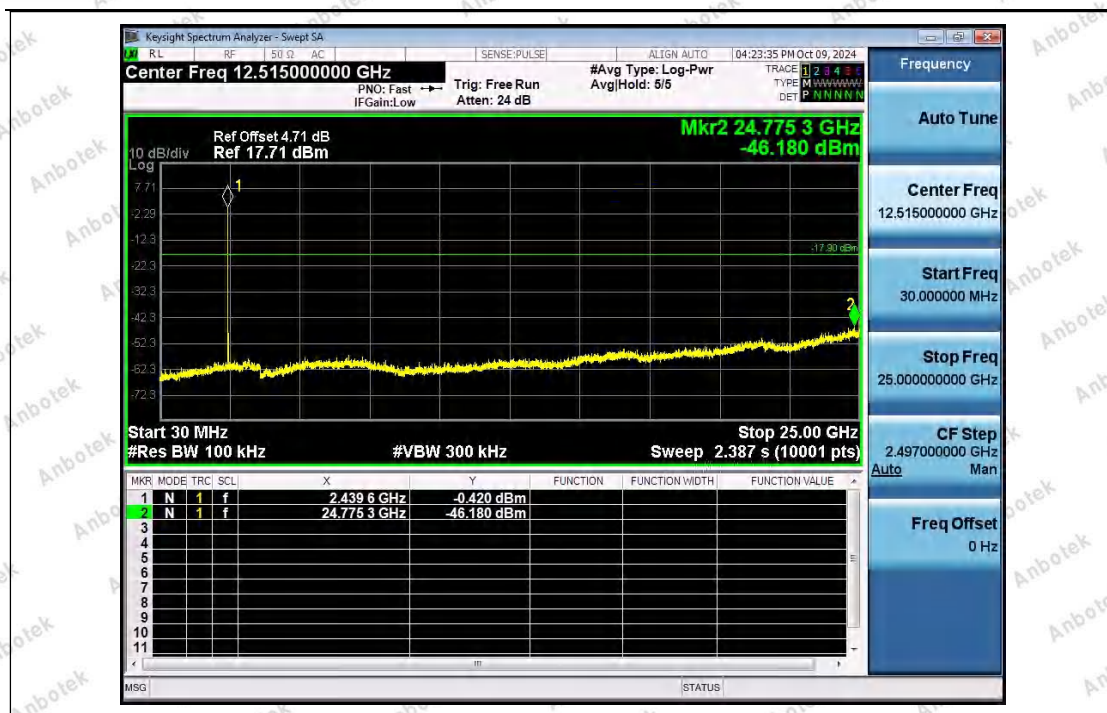


1\_Reference\_Level\_NVNT\_ANT1\_2Mbps\_2440

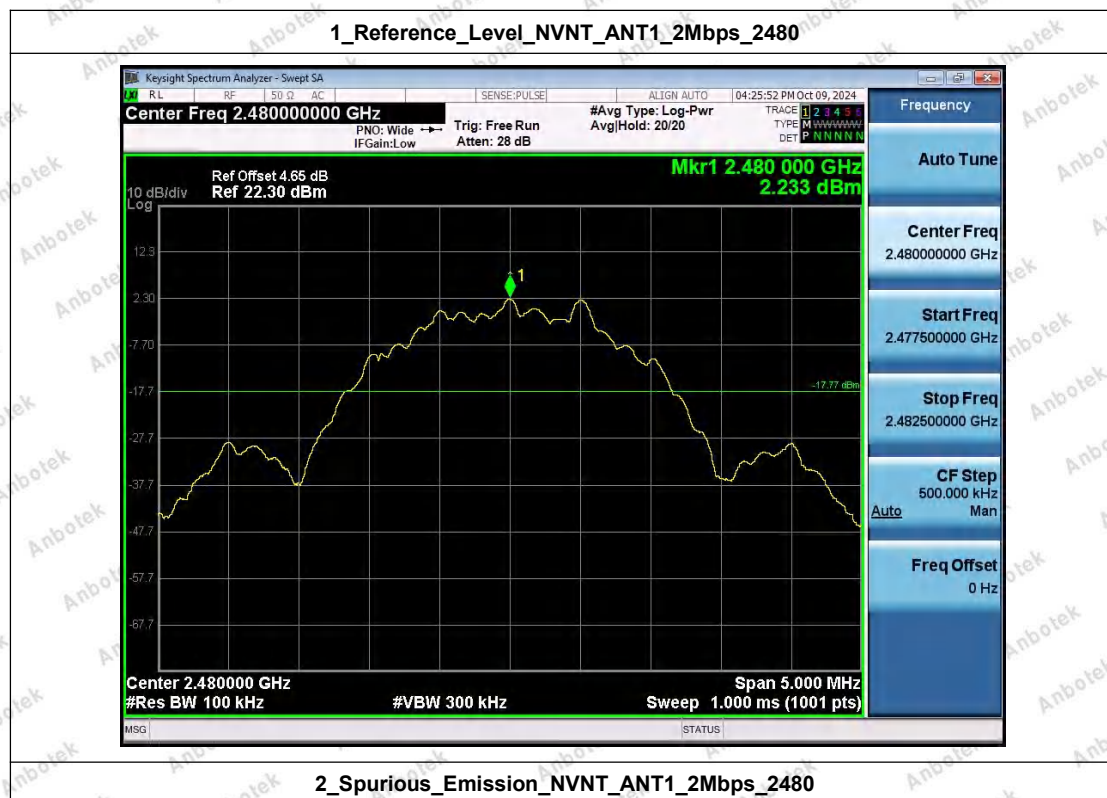


2\_Spurious\_Emission\_NVNT\_ANT1\_2Mbps\_2440



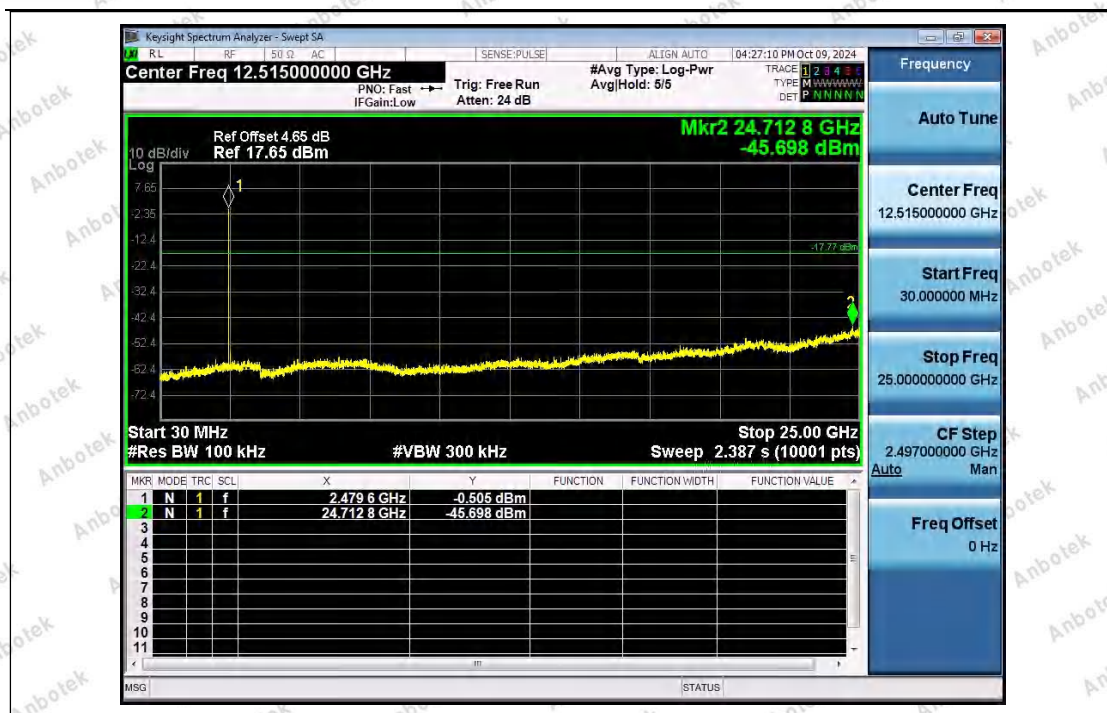


1\_Reference\_Level\_NVNT\_ANT1\_2Mbps\_2480



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





---END---

