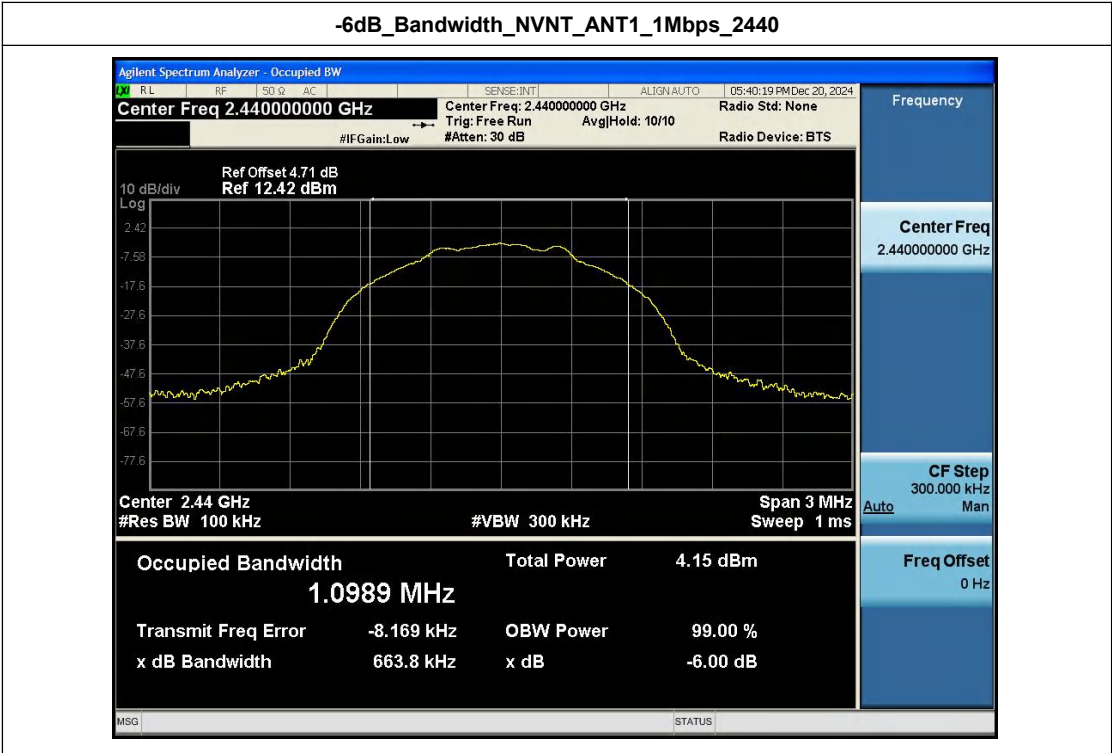
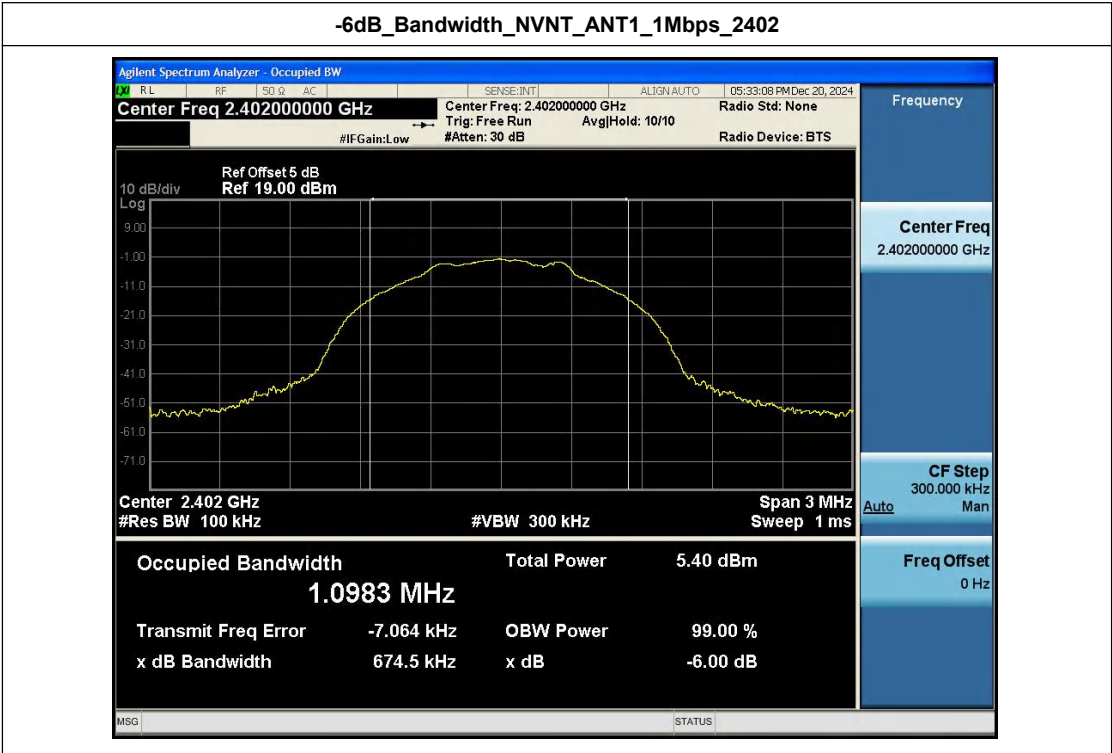


Appendix Test Data

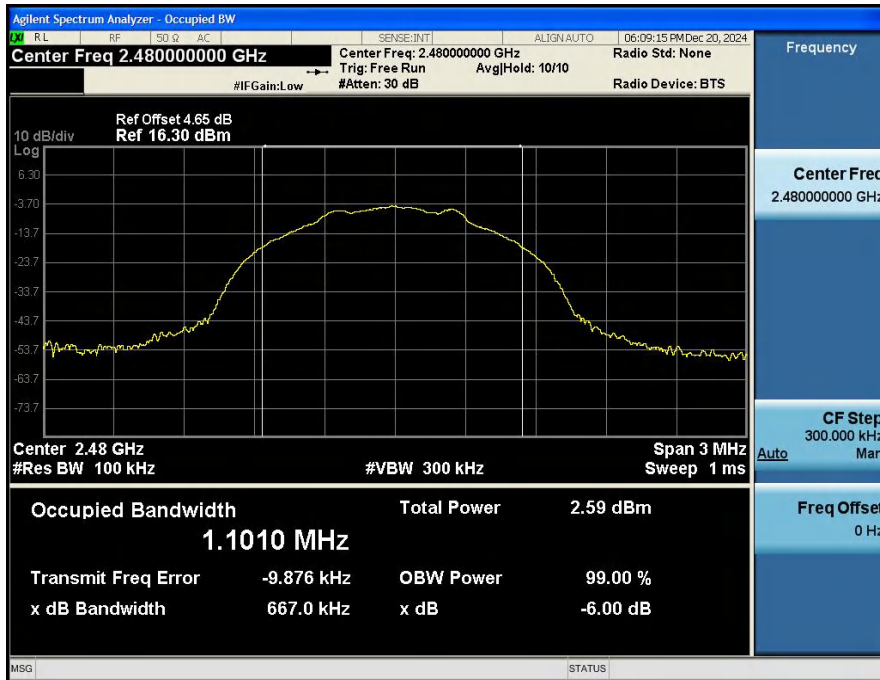
|                  |                    |                    |                    |
|------------------|--------------------|--------------------|--------------------|
| Report No.:      | 1812C40172012502   | Test Sample No.:   | 1-2-2              |
| Start Test Date: | 2024.12.10         | Finish Test Date:  | 2024.12.20         |
| Test Engineer:   | <i>Joker Huang</i> | Auditor:           | <i>Justin Feng</i> |
| Temperature:     | 24.2℃              | Relative Humidity: | 55%                |
| Pressure:        | 101kPa             |                    |                    |

Appendix A: -6dB Bandwidth

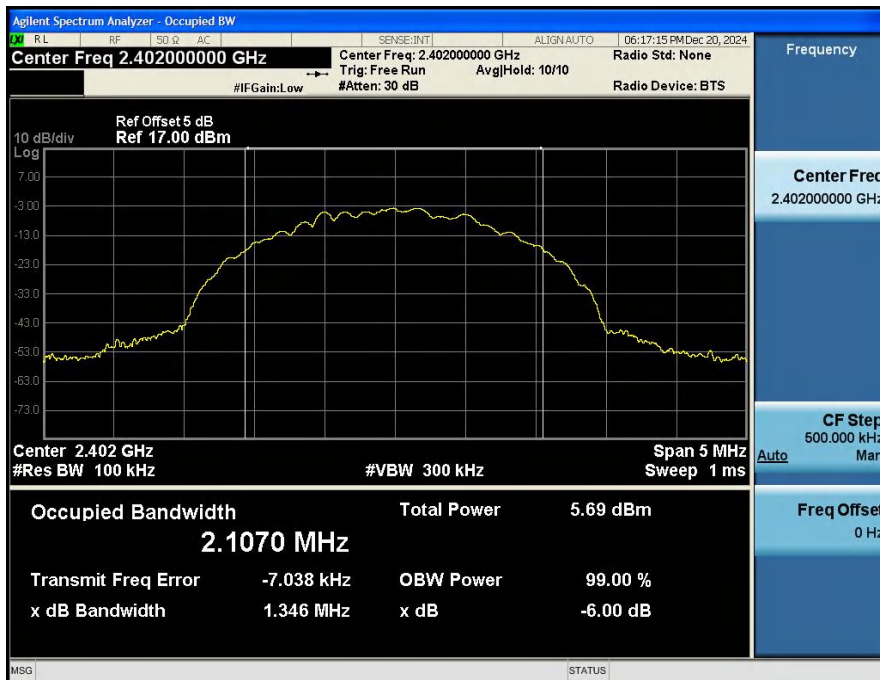
| Condition | Antenna | Rate  | Frequency (MHz) | -6dB BW(kHz) | limit(kHz) | Result |
|-----------|---------|-------|-----------------|--------------|------------|--------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | 674.54       | 500        | Pass   |
| NVNT      | ANT1    | 1Mbps | 2440.00         | 663.76       | 500        | Pass   |
| NVNT      | ANT1    | 1Mbps | 2480.00         | 667.02       | 500        | Pass   |
| NVNT      | ANT1    | 2Mbps | 2402.00         | 1346.07      | 500        | Pass   |
| NVNT      | ANT1    | 2Mbps | 2440.00         | 1335.39      | 500        | Pass   |
| NVNT      | ANT1    | 2Mbps | 2480.00         | 1330.67      | 500        | Pass   |



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



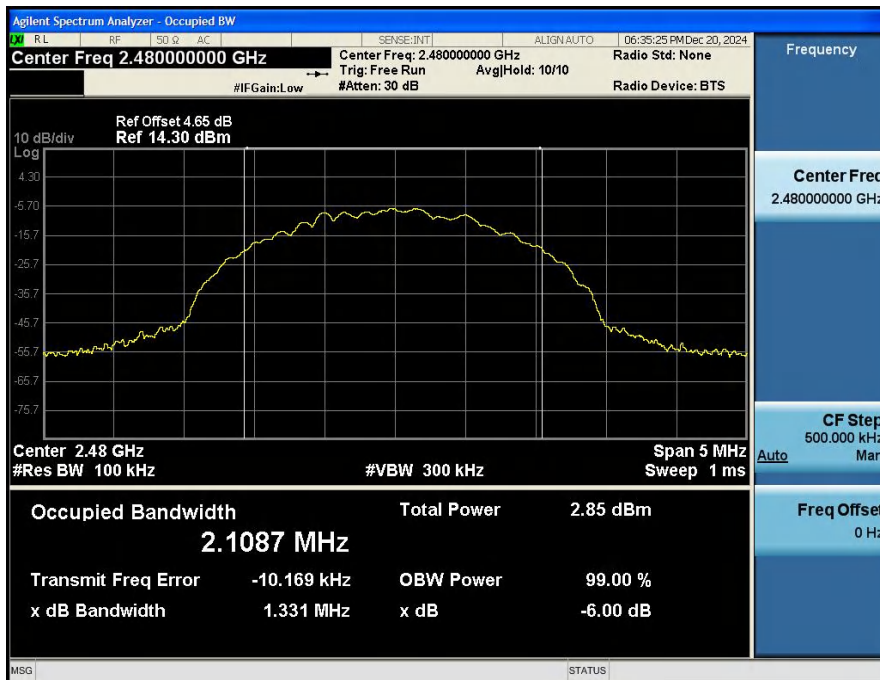
-6dB\_Bandwidth\_NVNT\_ANT1\_2Mbps\_2402



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



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



## Appendix B: 99% Occupied Bandwidth

| Condition | Antenna | Rate  | Frequency (MHz) | 99%BW(MHz) |
|-----------|---------|-------|-----------------|------------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | 1.091      |
| NVNT      | ANT1    | 1Mbps | 2440.00         | 1.091      |
| NVNT      | ANT1    | 1Mbps | 2480.00         | 1.093      |
| NVNT      | ANT1    | 2Mbps | 2402.00         | 2.132      |
| NVNT      | ANT1    | 2Mbps | 2440.00         | 2.134      |
| NVNT      | ANT1    | 2Mbps | 2480.00         | 2.135      |

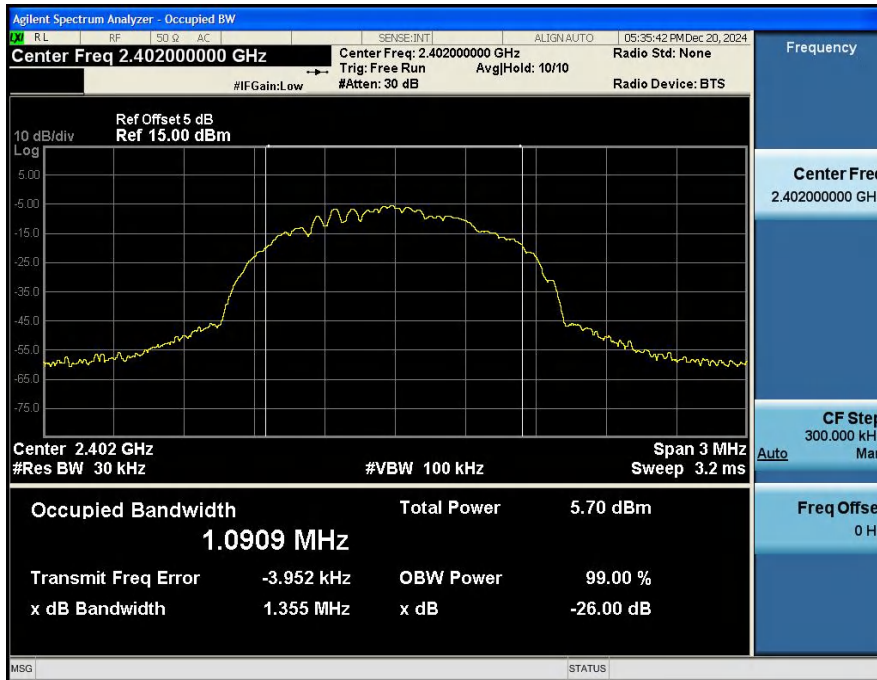
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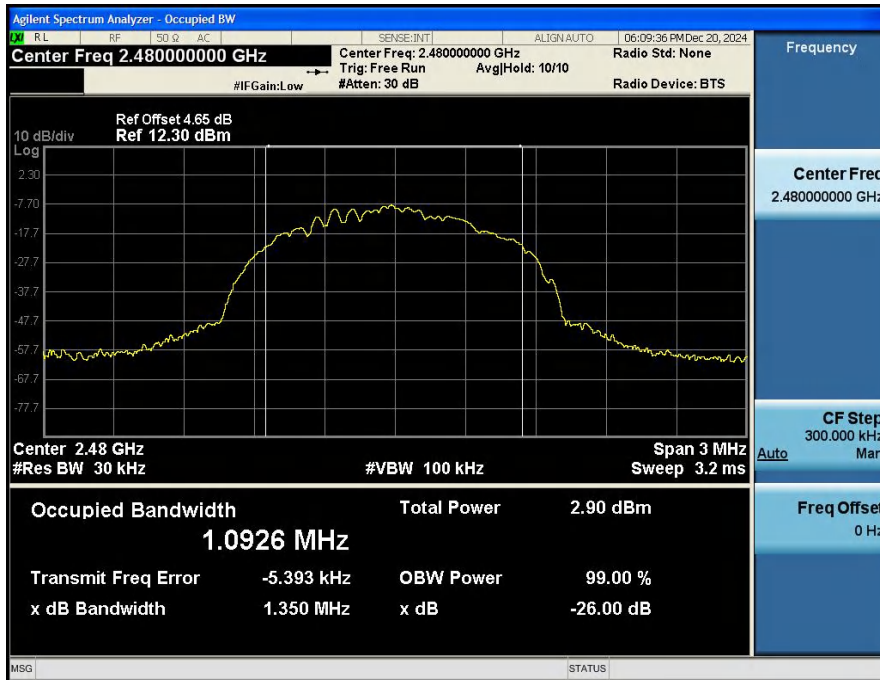
99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_1Mbps\_2402



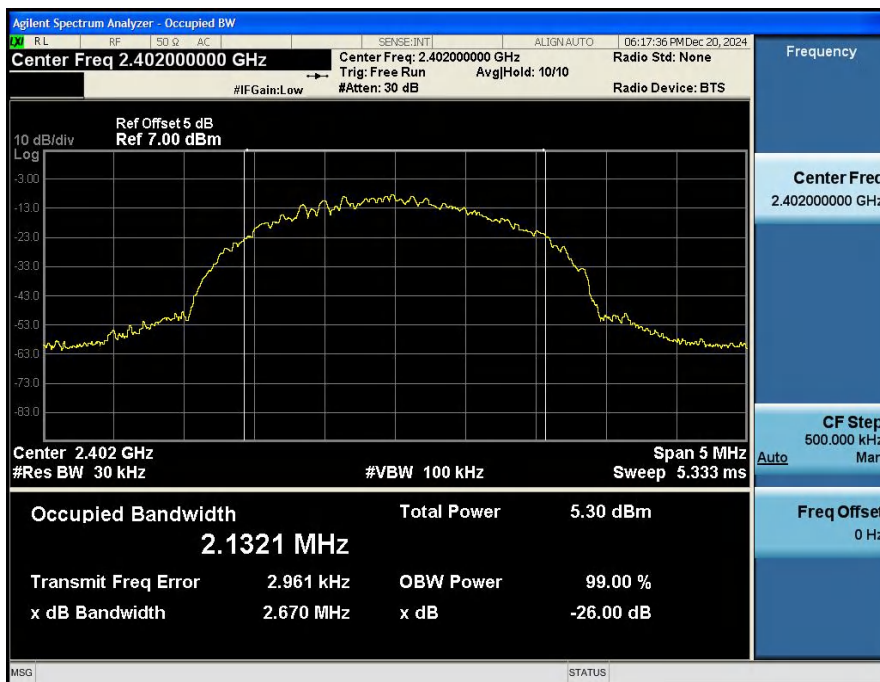
99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_1Mbps\_2440



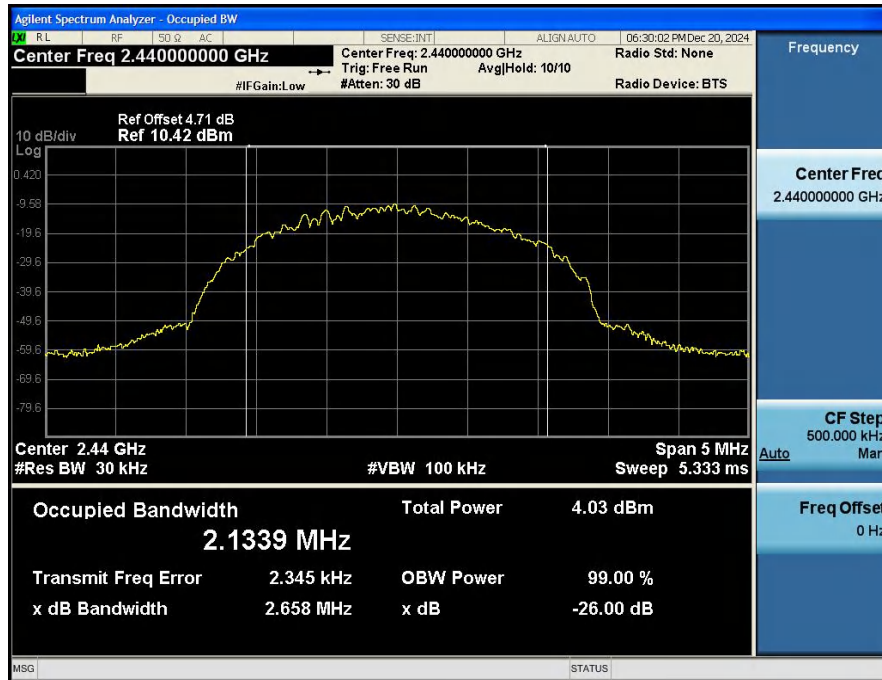
99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_1Mbps\_2480



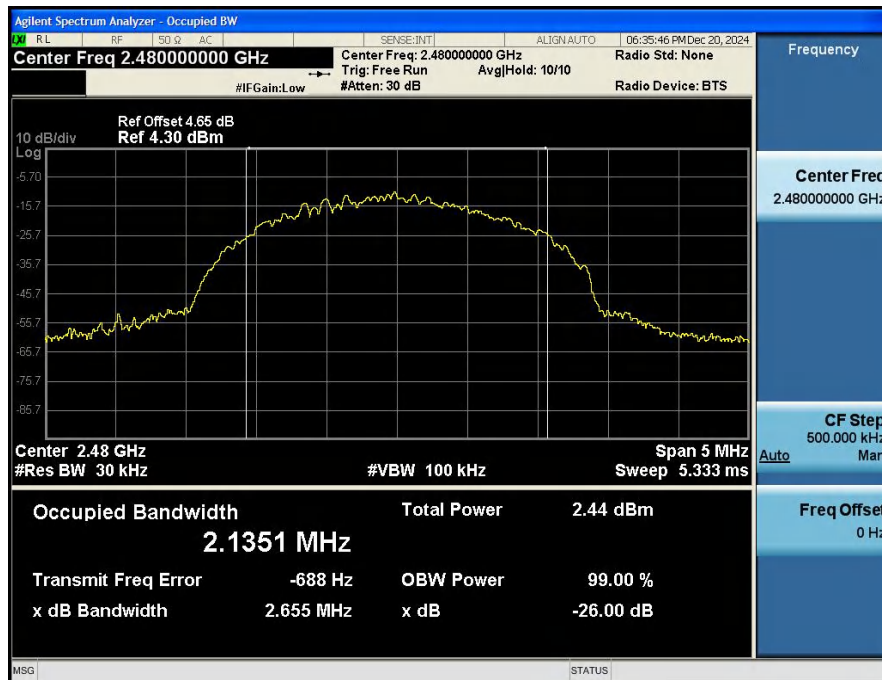
99%\_Occupied\_Bandwidth\_NVNT\_ANT1\_2Mbps\_2402



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



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



## Appendix C: Duty Cycle

| Condition | Antenna | Rate  | Frequency (MHz) | Dutycycle(%) | Duty_factor |
|-----------|---------|-------|-----------------|--------------|-------------|
| NVNT      | ANT1    | 1Mbps | 2402.00         | 100          | 0.00        |
| NVNT      | ANT1    | 1Mbps | 2440.00         | 100          | 0.00        |
| NVNT      | ANT1    | 1Mbps | 2480.00         | 100          | 0.00        |
| NVNT      | ANT1    | 2Mbps | 2402.00         | 100          | 0.00        |
| NVNT      | ANT1    | 2Mbps | 2440.00         | 100          | 0.00        |
| NVNT      | ANT1    | 2Mbps | 2480.00         | 100          | 0.00        |

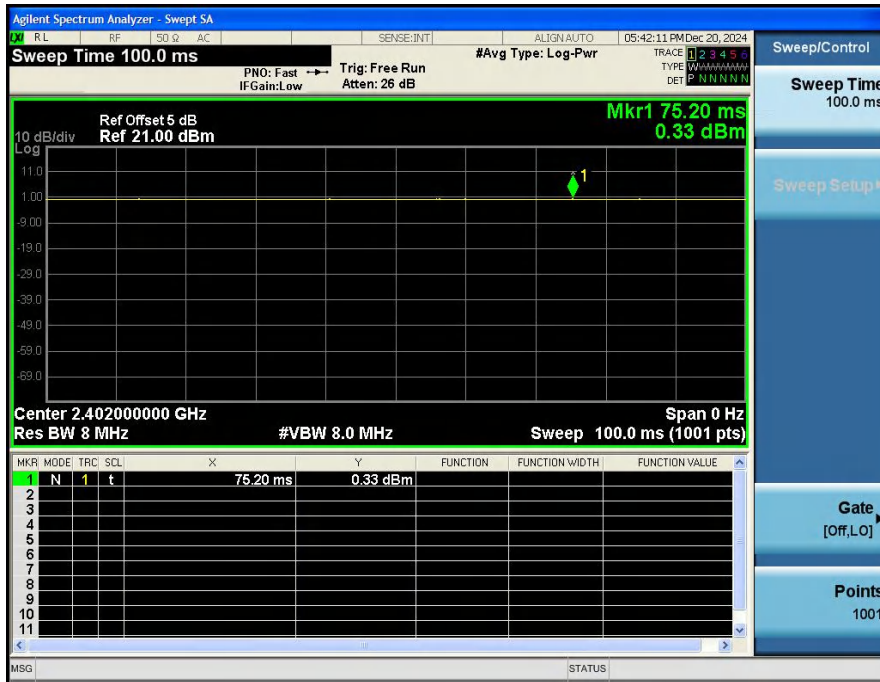
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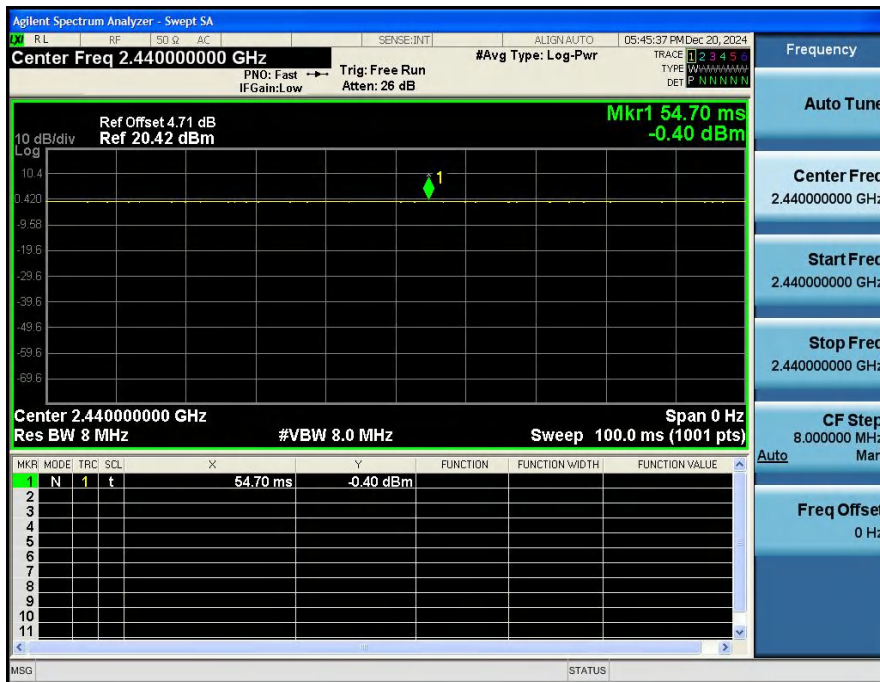


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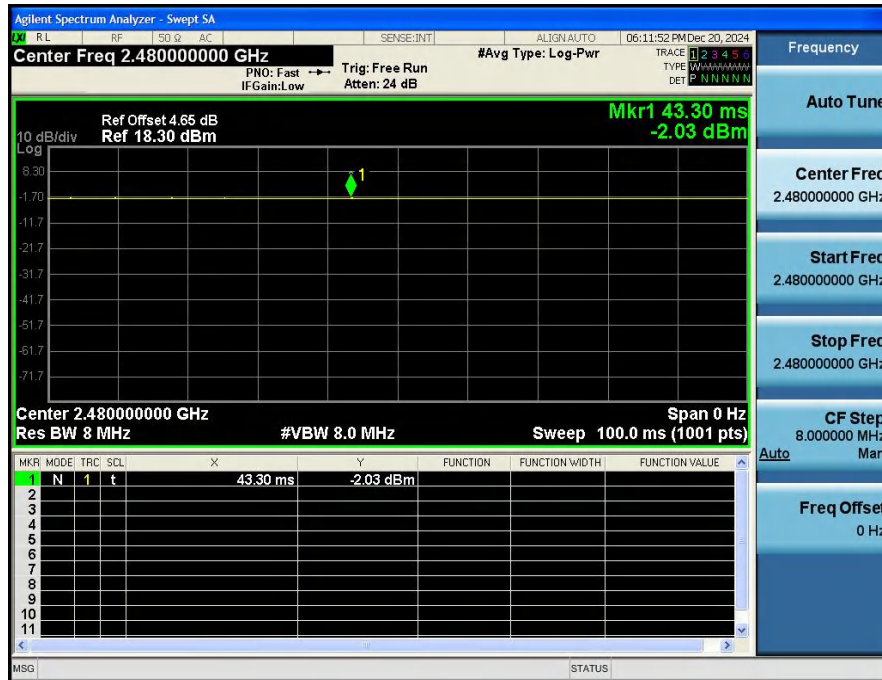
### Duty\_Cycle\_NVNT\_ANT1\_1Mbps\_2402



### Duty\_Cycle\_NVNT\_ANT1\_1Mbps\_2440



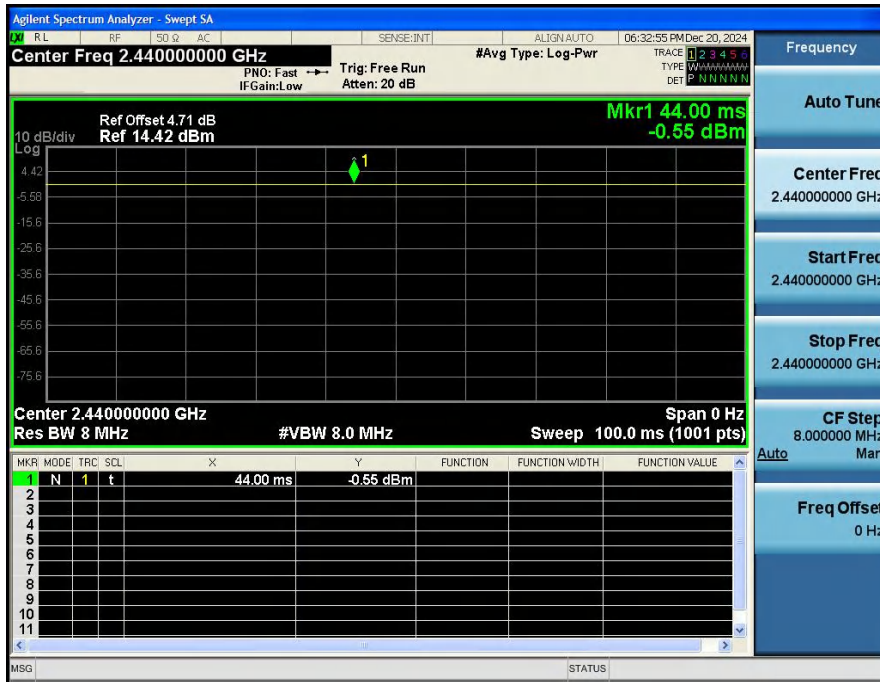
### Duty\_Cycle\_NVNT\_ANT1\_1Mbps\_2480



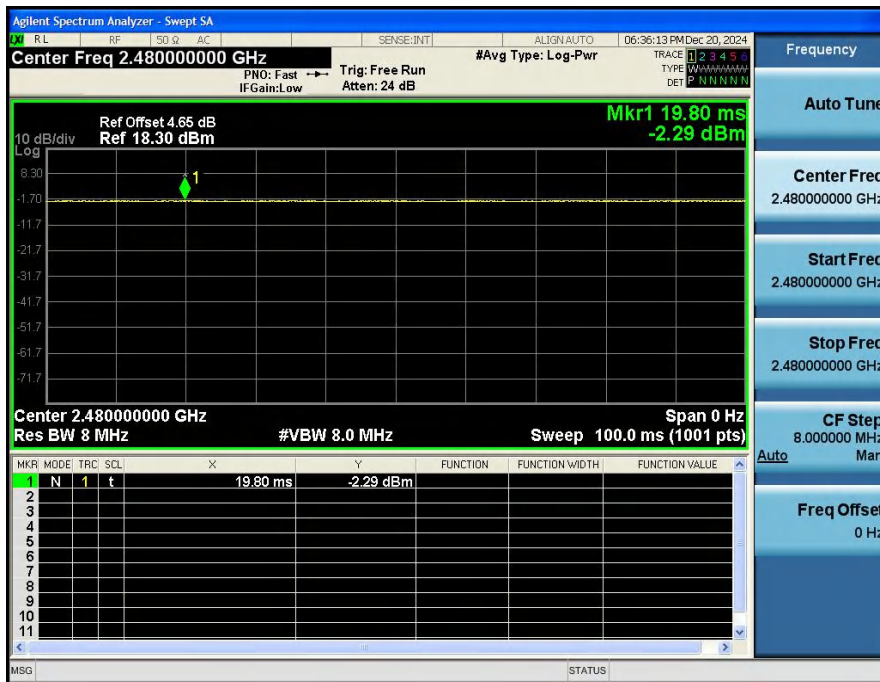
### Duty\_Cycle\_NVNT\_ANT1\_2Mbps\_2402



### Duty\_Cycle\_NVNT\_ANT1\_2Mbps\_2440



### Duty\_Cycle\_NVNT\_ANT1\_2Mbps\_2480



## 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         | 0.12                      | 1.03                     | 1000      | Pass   |
| NVNT      | ANT1    | 1Mbps | 2440.00         | -0.80                     | 0.83                     | 1000      | Pass   |
| NVNT      | ANT1    | 1Mbps | 2480.00         | -2.25                     | 0.60                     | 1000      | Pass   |
| NVNT      | ANT1    | 2Mbps | 2402.00         | 0.14                      | 1.03                     | 1000      | Pass   |
| NVNT      | ANT1    | 2Mbps | 2440.00         | -0.82                     | 0.83                     | 1000      | Pass   |
| NVNT      | ANT1    | 2Mbps | 2480.00         | -2.56                     | 0.56                     | 1000      | Pass   |

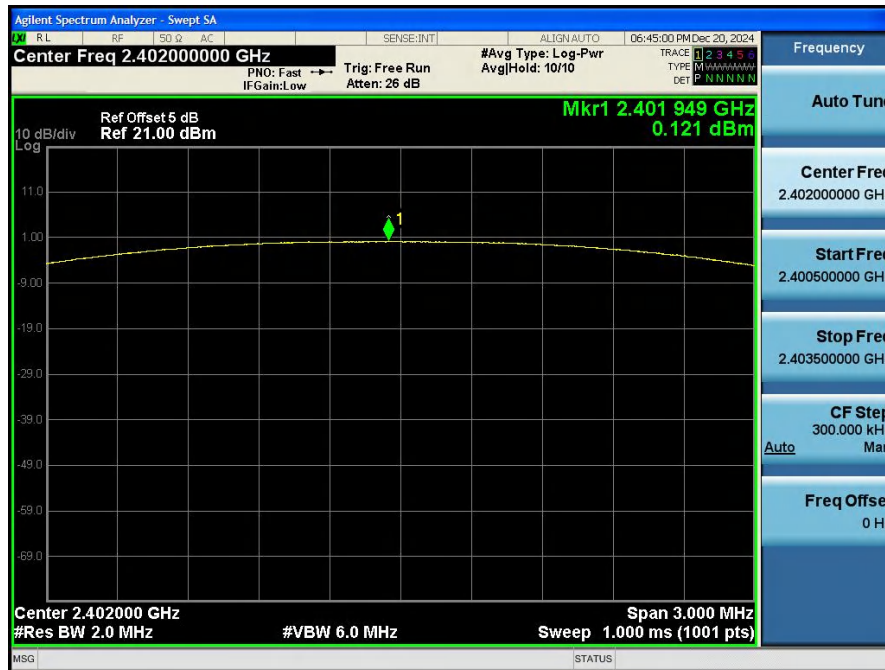
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Peak\_Output\_Power\_NVNT\_ANT1\_1Mbps\_2402



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



## Appendix E: Power Spectral Density

| Condition | Antenna | Rate  | Frequency<br>(MHz) | Power Spectral<br>Density(dBm/3kHz) | Limit(dBm/3kHz) | Result |
|-----------|---------|-------|--------------------|-------------------------------------|-----------------|--------|
| NVNT      | ANT1    | 1Mbps | 2402.00            | -15.92                              | 8               | Pass   |
| NVNT      | ANT1    | 1Mbps | 2440.00            | -17.03                              | 8               | Pass   |
| NVNT      | ANT1    | 1Mbps | 2480.00            | -18.15                              | 8               | Pass   |
| NVNT      | ANT1    | 2Mbps | 2402.00            | -20.14                              | 8               | Pass   |
| NVNT      | ANT1    | 2Mbps | 2440.00            | -20.30                              | 8               | Pass   |
| NVNT      | ANT1    | 2Mbps | 2480.00            | -21.53                              | 8               | Pass   |

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



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



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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 | Modulation | TX_Frequency<br>(MHz) | Max.<br>Mark_freq<br>(MHz) | Ref_level<br>(dBm) | Spurious<br>level (dBm) | Limit<br>(dBm) | Result |
|-----------|---------|------------|-----------------------|----------------------------|--------------------|-------------------------|----------------|--------|
| NVNT      | ANT1    | 1Mbps      | 2402.00               | 2399.965                   | -1.685             | -55.850                 | -21.685        | Pass   |
| NVNT      | ANT1    | 1Mbps      | 2480.00               | 2484.900                   | -4.129             | -60.620                 | -24.129        | Pass   |
| NVNT      | ANT1    | 2Mbps      | 2402.00               | 2399.965                   | -3.374             | -51.725                 | -23.374        | Pass   |
| NVNT      | ANT1    | 2Mbps      | 2480.00               | 2484.000                   | -6.060             | -60.992                 | -26.060        | Pass   |

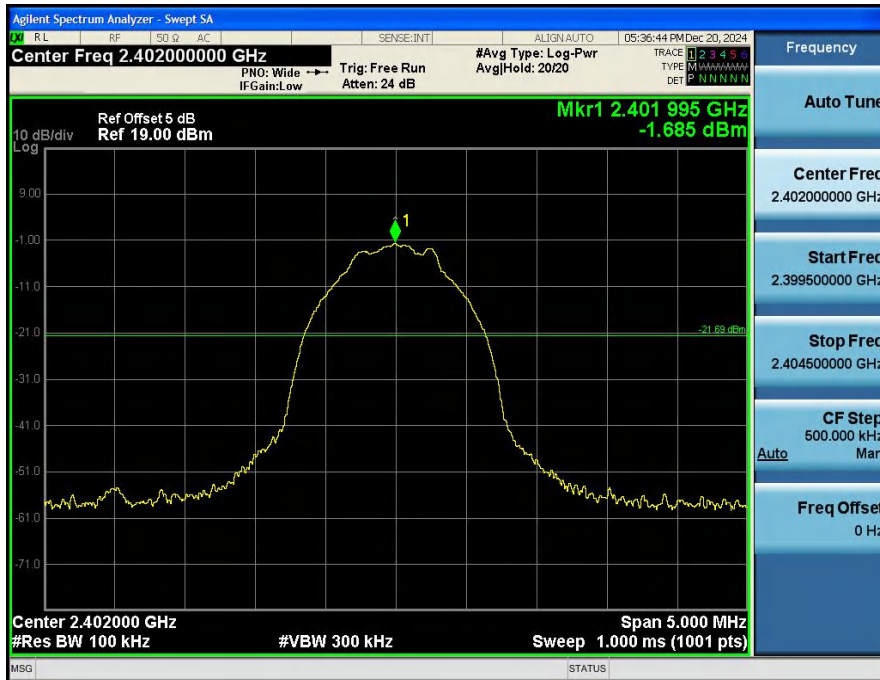
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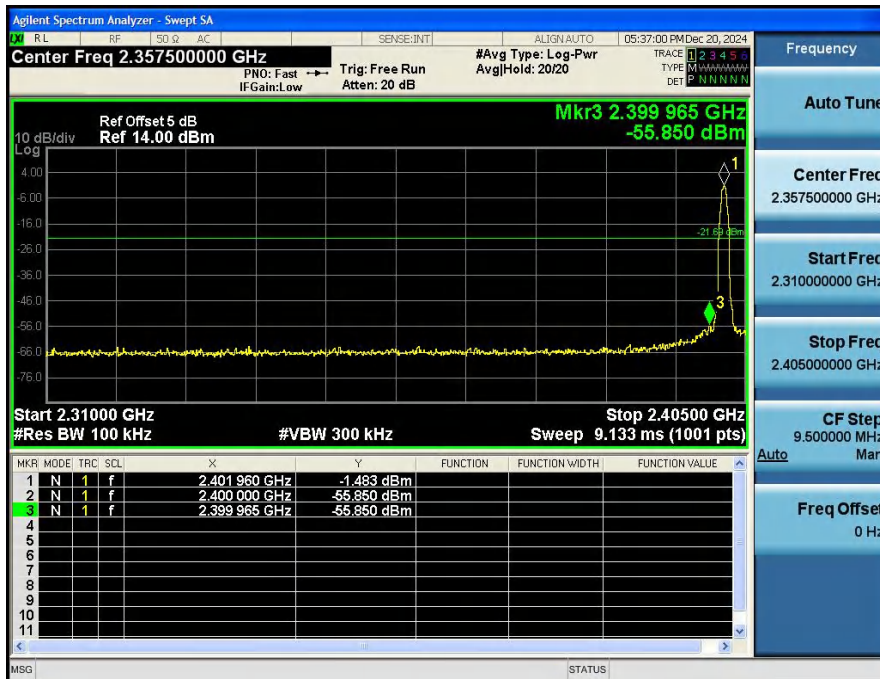


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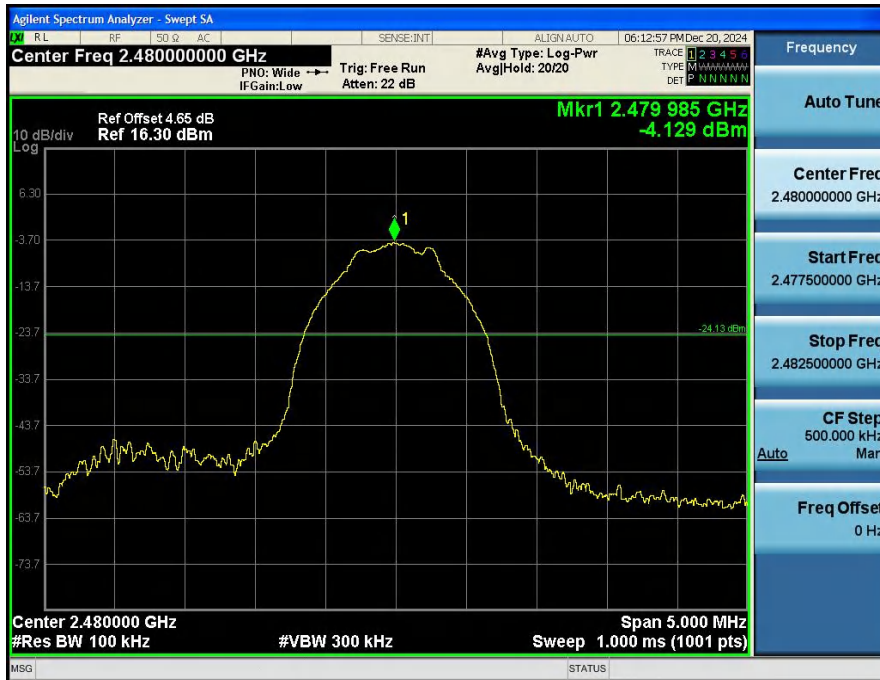
### 1\_Reference\_Level\_NVNT\_ANT1\_1Mbps\_2402



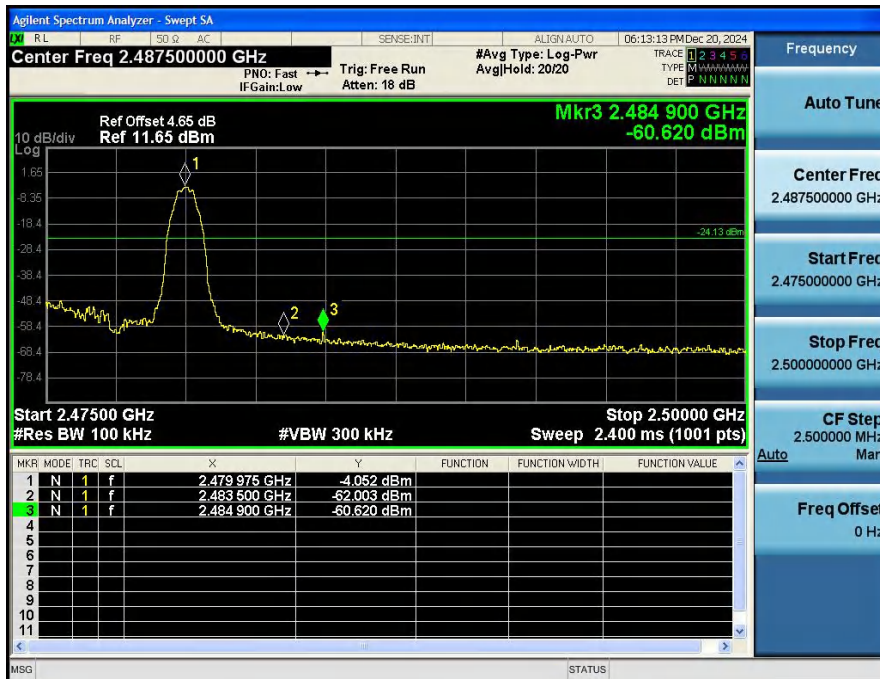
### 2\_Bandedge\_NVNT\_ANT1\_1Mbps\_2402



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



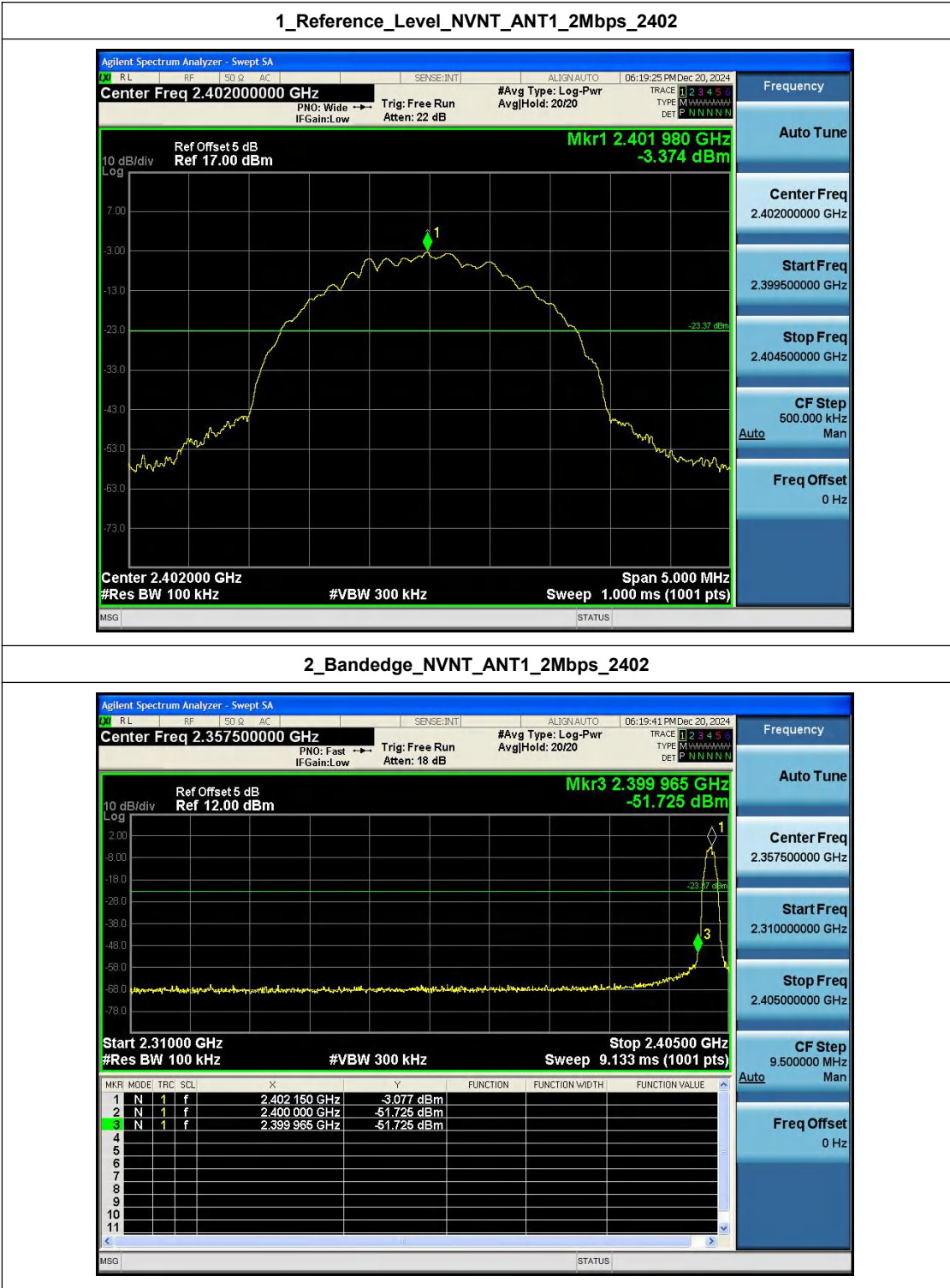
### 2\_Bandedge\_NVNT\_ANT1\_1Mbps\_2480



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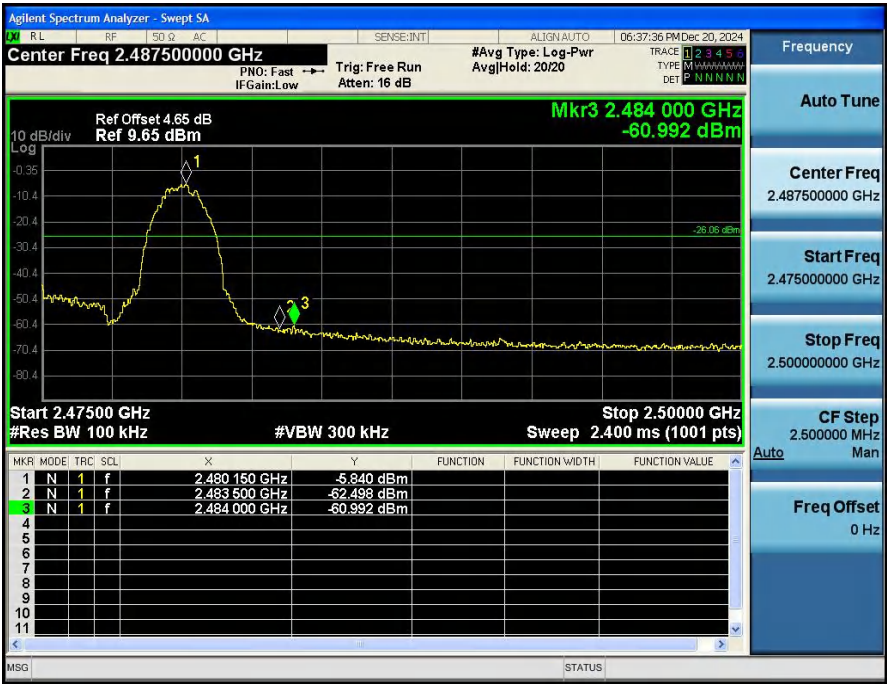
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1\_Reference\_Level\_NVNT\_ANT1\_2Mbps\_2480



2\_Bandedge\_NVNT\_ANT1\_2Mbps\_2480



## Appendix G: Spurious Emission

| Condition | Antenna | Modulation | TX_Frequency<br>(MHz) | Ref_level(dBm) | Spurious<br>level(dBm) | limit(dBm) | Result |
|-----------|---------|------------|-----------------------|----------------|------------------------|------------|--------|
| NVNT      | ANT1    | 1Mbps      | 2402.00               | -1.685         | -52.661                | -21.685    | Pass   |
| NVNT      | ANT1    | 1Mbps      | 2440.00               | -2.729         | -59.040                | -22.729    | Pass   |
| NVNT      | ANT1    | 1Mbps      | 2480.00               | -4.129         | -54.916                | -24.129    | Pass   |
| NVNT      | ANT1    | 2Mbps      | 2402.00               | -3.374         | -53.868                | -23.374    | Pass   |
| NVNT      | ANT1    | 2Mbps      | 2440.00               | -4.394         | -55.010                | -24.394    | Pass   |
| NVNT      | ANT1    | 2Mbps      | 2480.00               | -6.060         | -56.431                | -26.060    | Pass   |

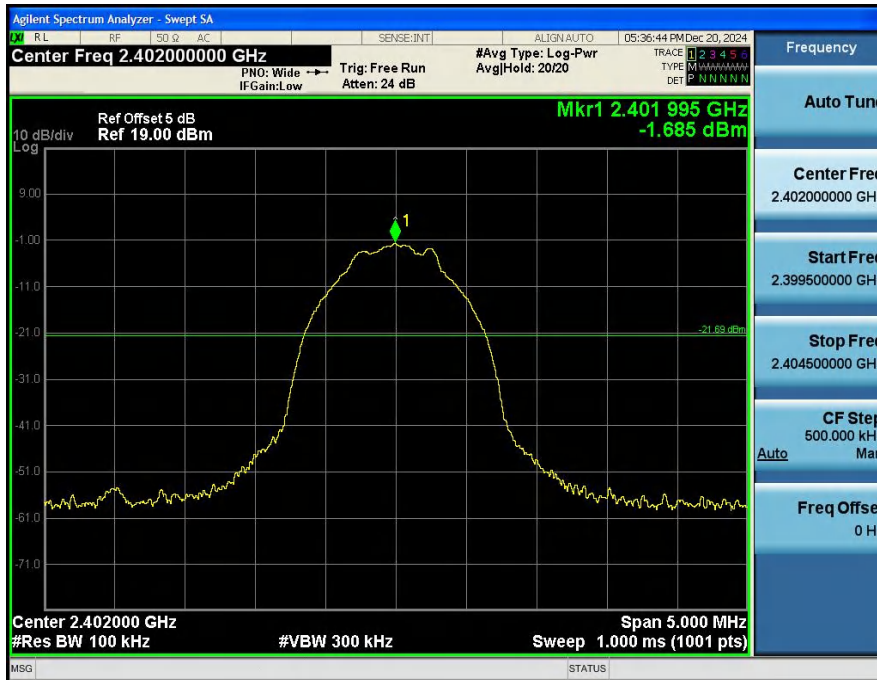
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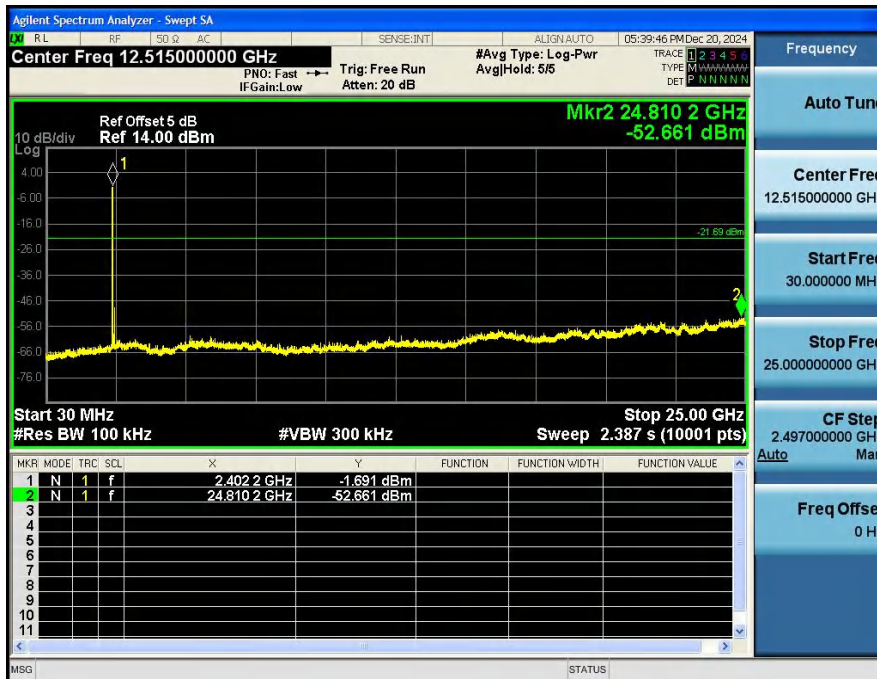


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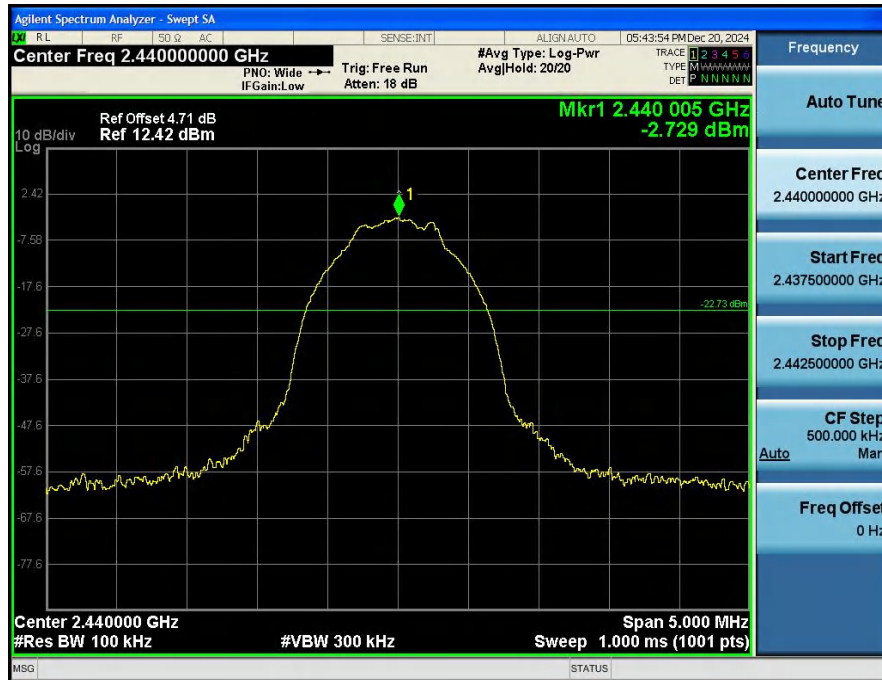
### 1\_Reference\_Level\_NVNT\_ANT1\_1Mbps\_2402



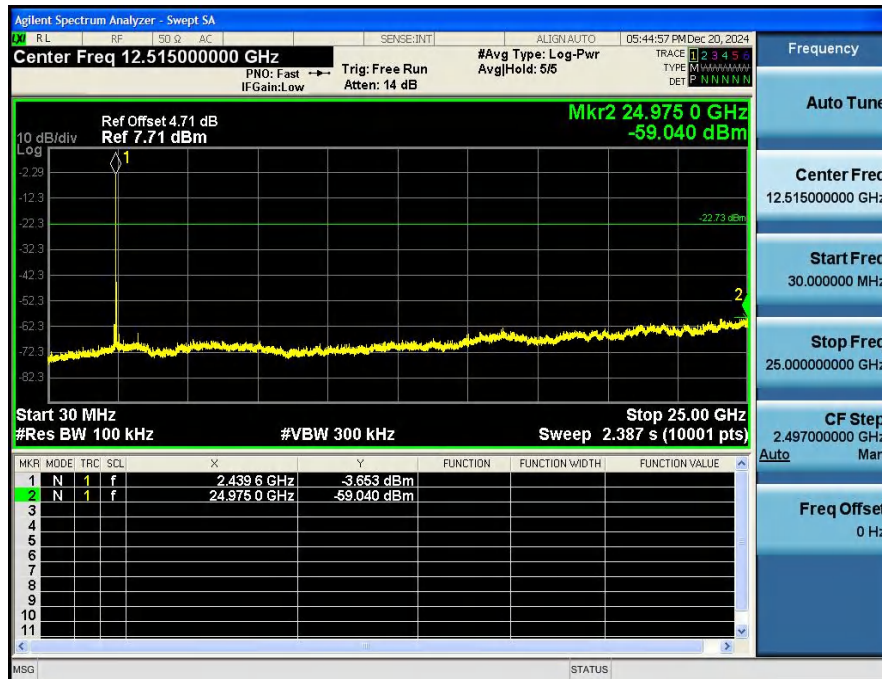
### 2\_Spurious\_Emission\_NVNT\_ANT1\_1Mbps\_2402

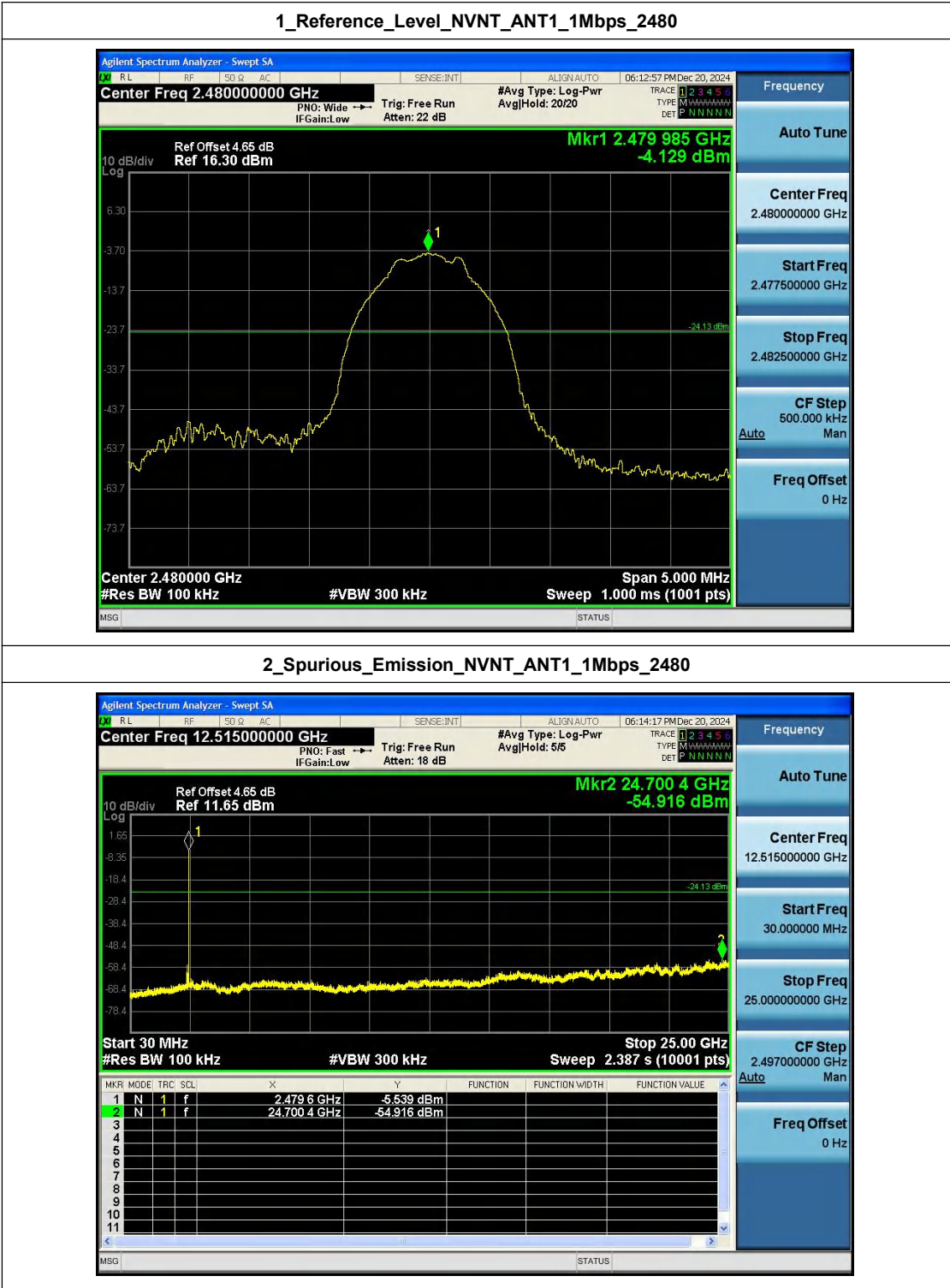


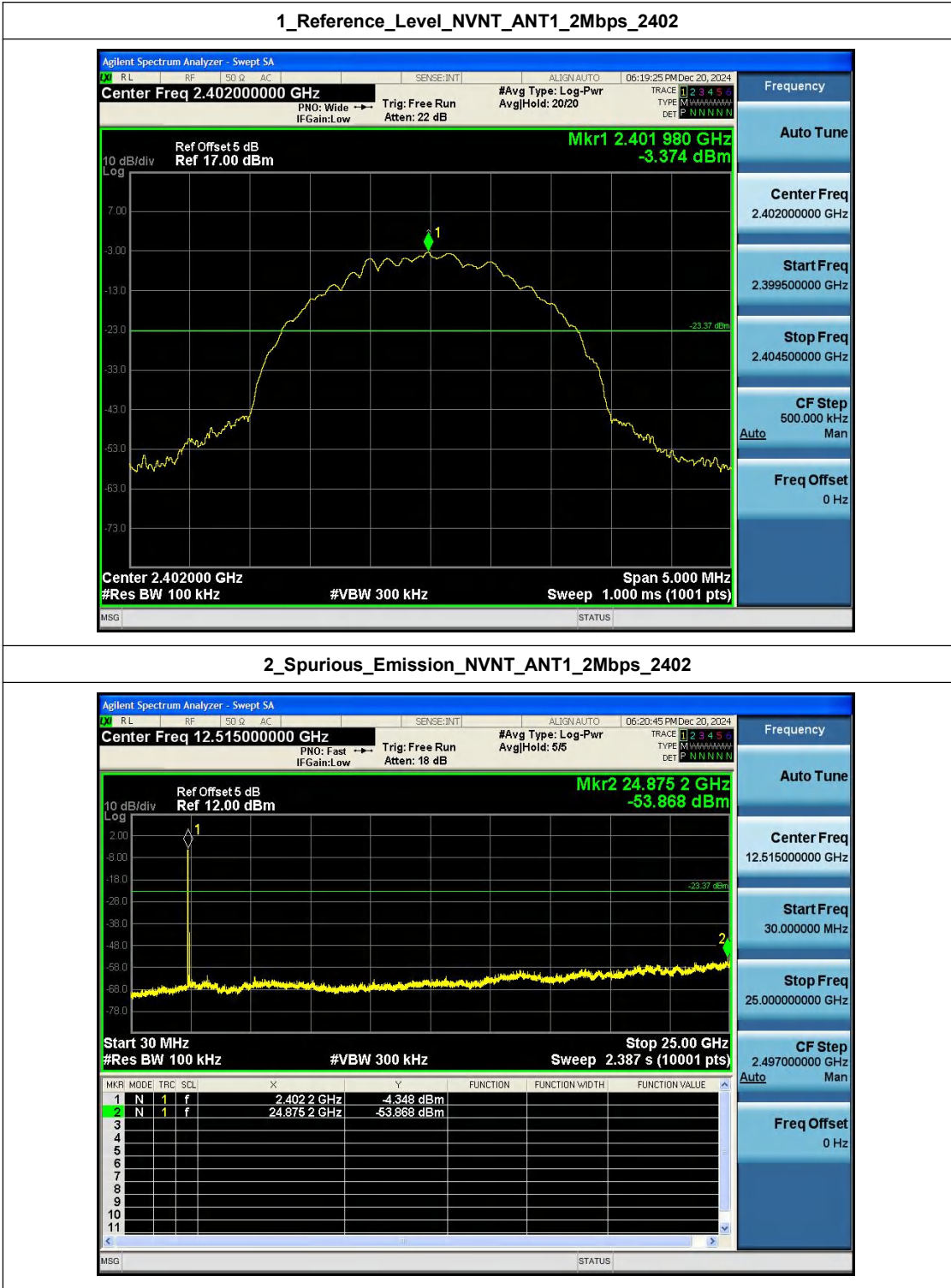
### 1\_Reference\_Level\_NVNT\_ANT1\_1Mbps\_2440

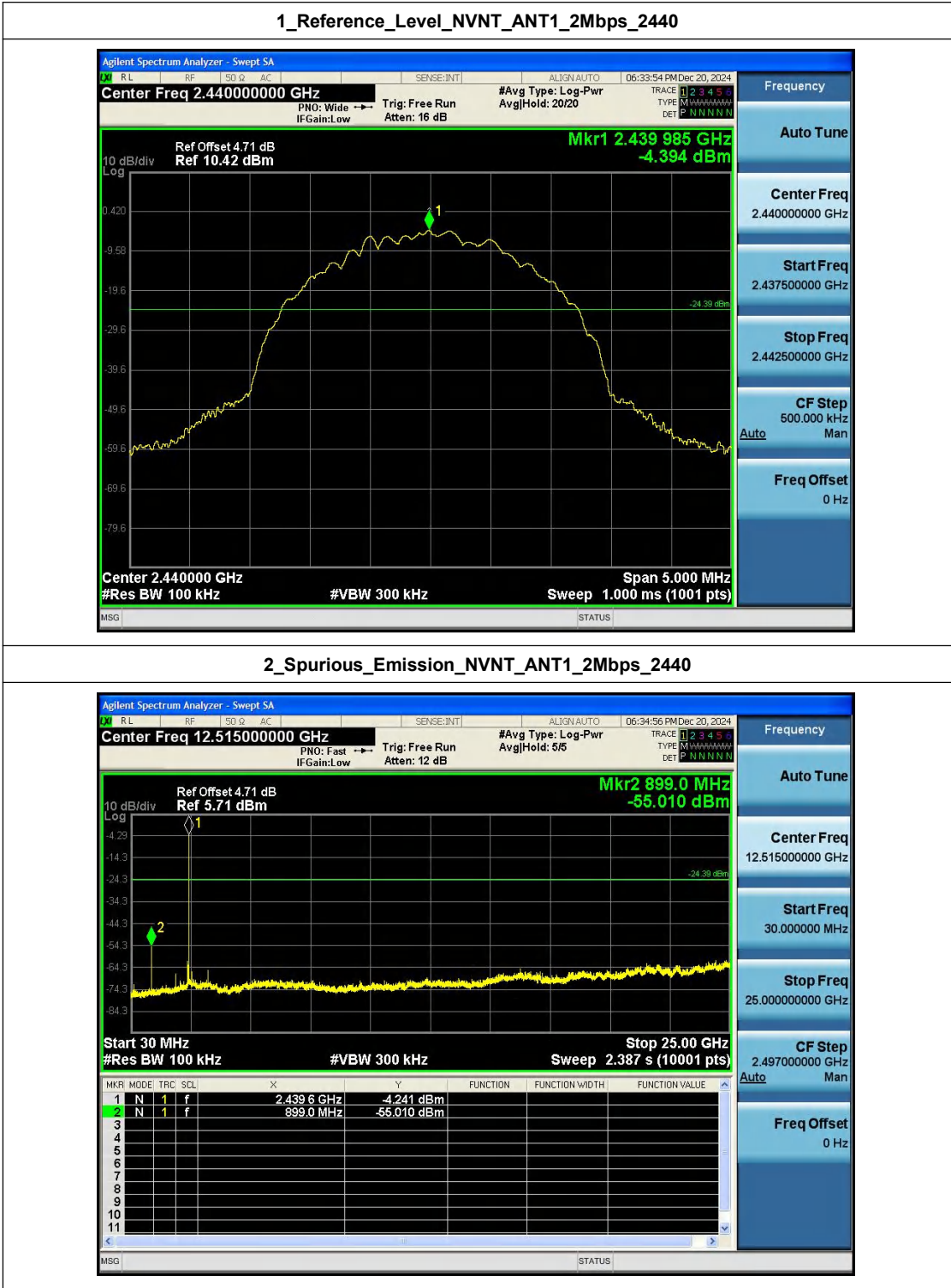


### 2\_Spurious\_Emission\_NVNT\_ANT1\_1Mbps\_2440











---END---