

## Appendix Test Data

|                  |                 |                    |            |
|------------------|-----------------|--------------------|------------|
| Report No.:      | 18220WC30132201 | Test Sample No.:   | 1-2-2      |
| Start Test Date: | 2023.06.29      | Finish Test Date:  | 2023.07.04 |
| Test Engineer:   | Rick Luo        | Auditor:           | Edward Pan |
| Temperature:     | 25.4℃           | Relative Humidity: | 48%        |
| Pressure:        | 1012 hPa        |                    |            |

## Appendix A: DTS Bandwidth

## Test Result

| TestMode | Antenna | Frequency[MHz] | DTS BW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|----------------|--------------|----------|----------|------------|---------|
| 2.4G     | Ant1    | 2405           | 1.408        | 2404.264 | 2405.672 | 0.5        | PASS    |
|          |         | 2451           | 1.484        | 2450.260 | 2451.744 | 0.5        | PASS    |
|          |         | 2475           | 1.520        | 2474.216 | 2475.736 | 0.5        | PASS    |



## Test Graphs

2.4G\_Ant1\_2405



2.4G\_Ant1\_2451



2.4G\_Ant1\_2475

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## Appendix B: Occupied Channel Bandwidth

### Test Result

| Test Mode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   |
|-----------|---------|----------------|-----------|-----------|-----------|
| 2.4G      | Ant1    | 2405           | 2.2122    | 2403.8576 | 2406.0698 |
|           |         | 2451           | 2.2311    | 2449.8536 | 2452.0847 |
|           |         | 2475           | 2.2494    | 2473.8387 | 2476.0881 |



## Test Graphs

2.4G\_Ant1\_2405



2.4G\_Ant1\_2451



2.4G\_Ant1\_2475

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## Appendix C: Maximum conducted output power

### Test Result Peak

| Test Mode | Antenna | Frequency[MHz] | Conducted Peak Power[dBm] | Conducted Limit[dBm] | Verdict |
|-----------|---------|----------------|---------------------------|----------------------|---------|
| 2.4G      | Ant1    | 2405           | -1.67                     | ≤30                  | PASS    |
|           |         | 2451           | -3.13                     | ≤30                  | PASS    |
|           |         | 2475           | -7.80                     | ≤30                  | PASS    |



## Test Graphs Peak

2.4G\_Ant1\_2405



2.4G\_Ant1\_2451



2.4G\_Ant1\_2475

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## Appendix D: Maximum power spectral density

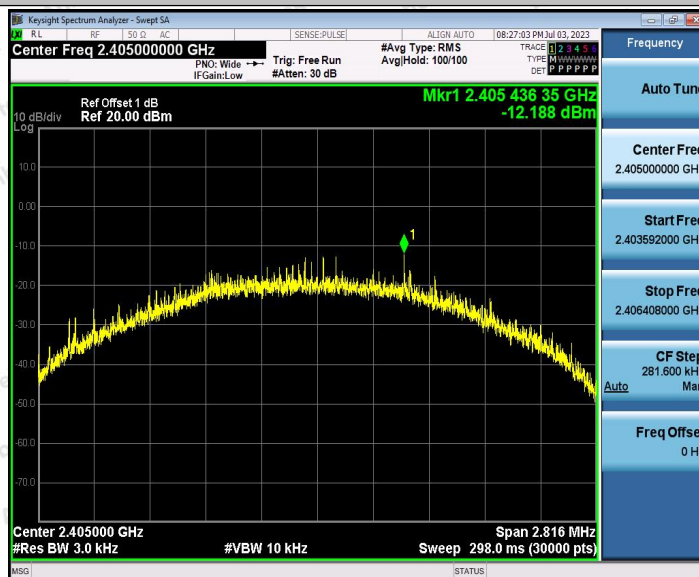
### Test Result

| Test Mode | Antenna | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|----------------|------------------|-----------------|---------|
| 2.4G      | Ant1    | 2405           | -12.19           | ≤8.00           | PASS    |
|           |         | 2451           | -14.66           | ≤8.00           | PASS    |
|           |         | 2475           | -16.92           | ≤8.00           | PASS    |

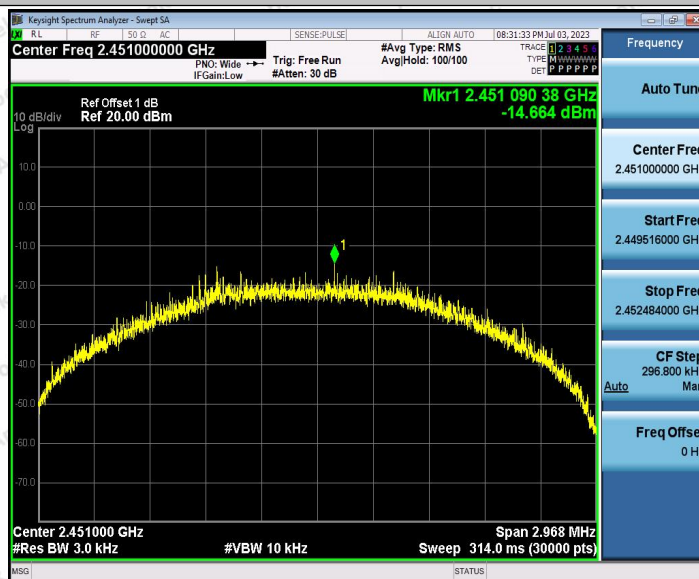


## Test Graphs

2.4G\_Ant1\_2405



2.4G\_Ant1\_2451



2.4G\_Ant1\_2475

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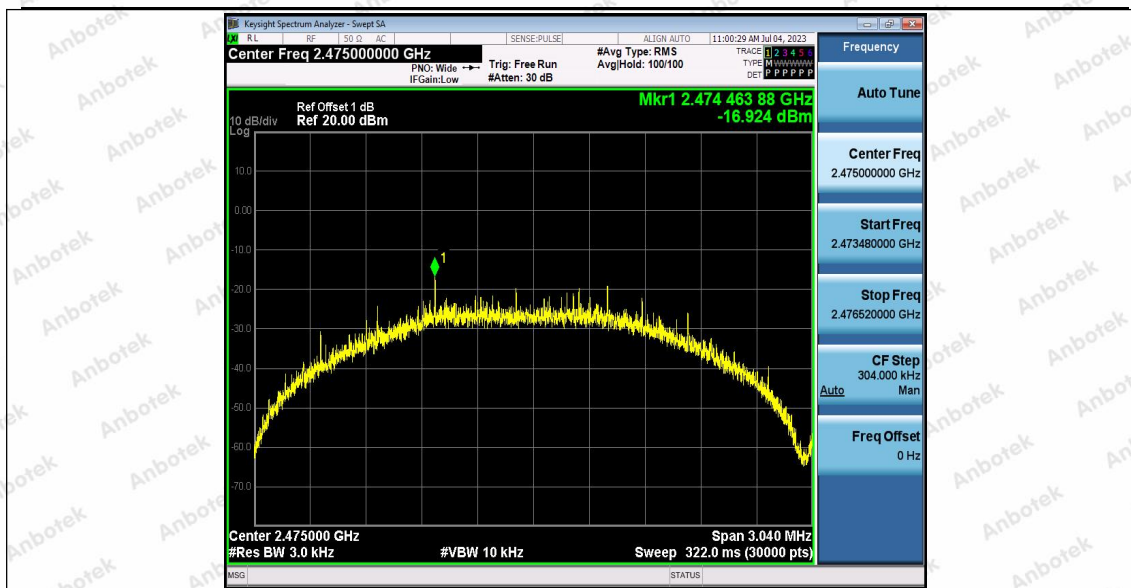
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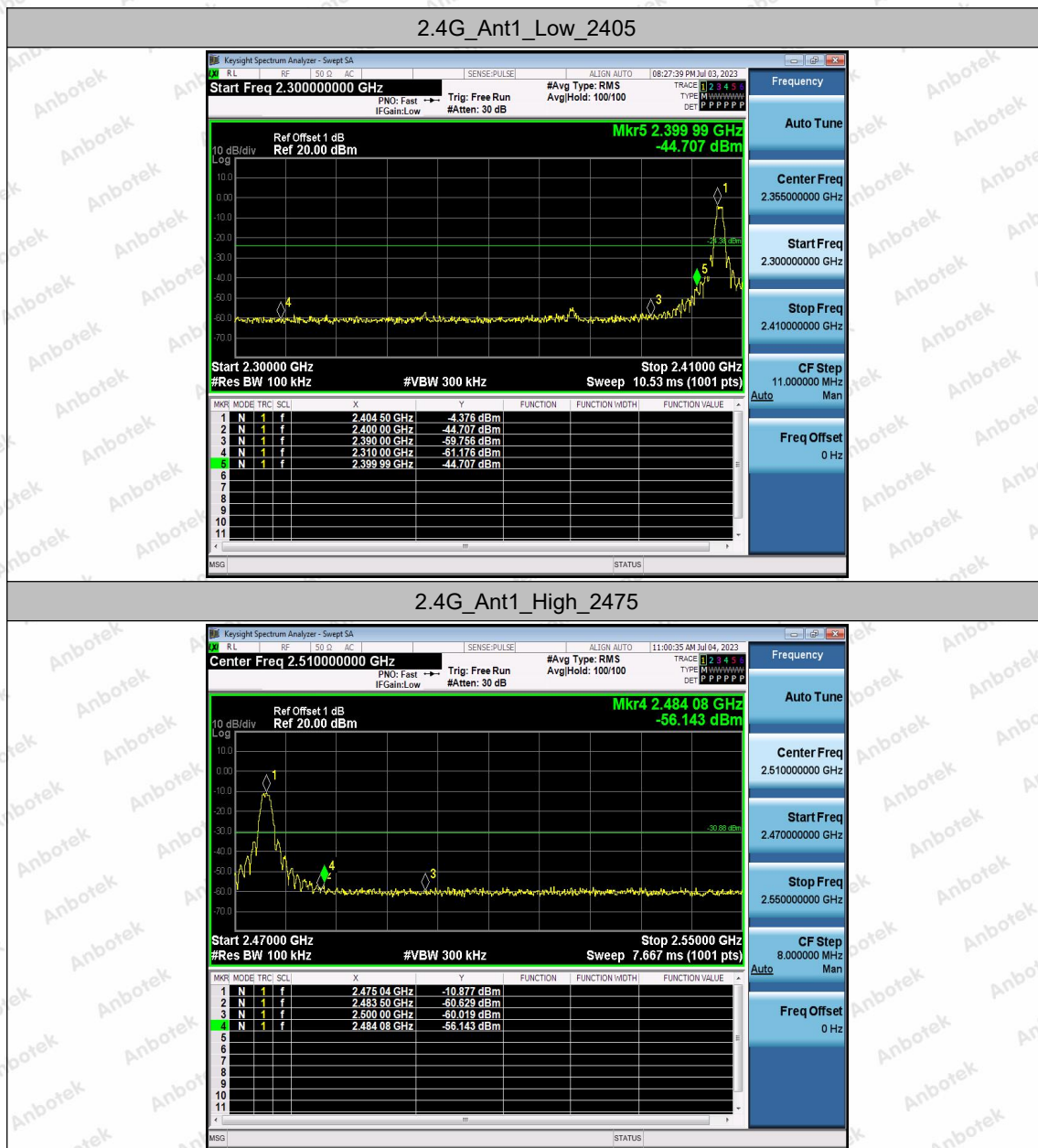


## Appendix E: Band edge measurements

### Test Result

| TestMode | Antenna | ChName | Frequency [MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|----------|---------|--------|-----------------|---------------|-------------|---------------|---------|
| 2.4G     | Ant1    | Low    | 2405            | -4.38         | -44.71      | $\leq -24.38$ | PASS    |
|          |         | High   | 2475            | -10.88        | -56.14      | $\leq -30.88$ | PASS    |

### Test Graphs



## Appendix F: Conducted Spurious Emission

### Test Result

| TestMode | Antenna | Frequency<br>[MHz] | FreqRange<br>[MHz] | RefLevel<br>[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|--------------------|--------------------|-------------------|-------------|------------|---------|
| 2.4G     | Ant1    | 2405               | Reference          | -4.80             | -4.80       | ---        | PASS    |
|          |         |                    | 30~1000            | -4.80             | -60.39      | ≤-24.8     | PASS    |
|          |         |                    | 1000~26500         | -4.80             | -33.23      | ≤-24.8     | PASS    |
|          |         | 2451               | Reference          | -6.73             | -6.73       | ---        | PASS    |
|          |         |                    | 30~1000            | -6.73             | -60.46      | ≤-26.73    | PASS    |
|          |         |                    | 1000~26500         | -6.73             | -35.92      | ≤-26.73    | PASS    |
|          |         | 2475               | Reference          | -10.79            | -10.79      | ---        | PASS    |
|          |         |                    | 30~1000            | -10.79            | -60.08      | ≤-30.79    | PASS    |
|          |         |                    | 1000~26500         | -10.79            | -33.93      | ≤-30.79    | PASS    |





## Test Graphs

2.4G\_Ant1\_2405\_0~Reference



2.4G\_Ant1\_2405\_30~1000



2.4G\_Ant1\_2405\_1000~26500

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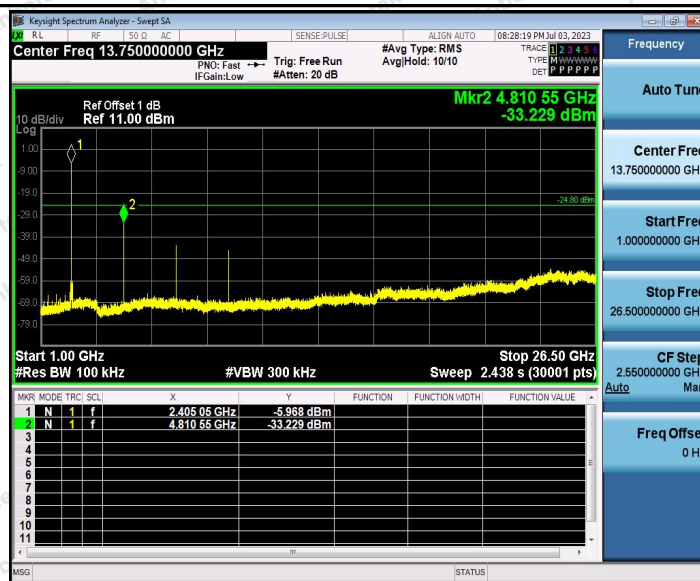


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2.4G\_Ant1\_2451\_0~Reference



2.4G\_Ant1\_2451\_30~1000



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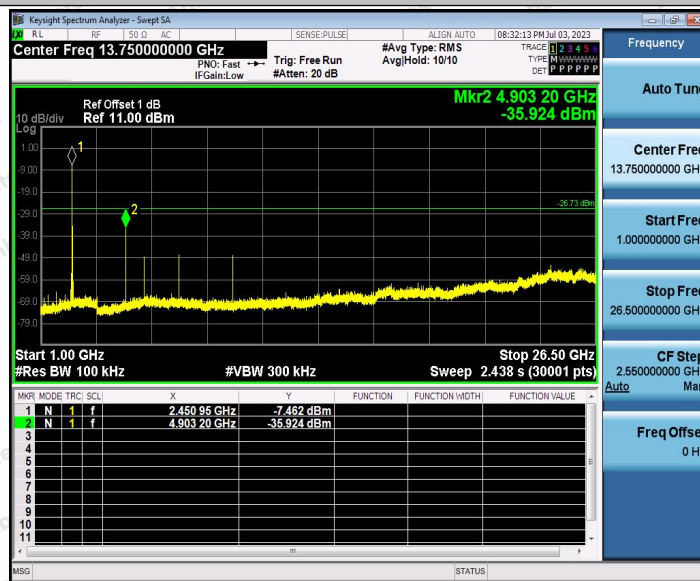
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## 2.4G\_Ant1\_2451\_1000~26500



## 2.4G\_Ant1\_2475\_0~Reference



## 2.4G\_Ant1\_2475\_30~1000

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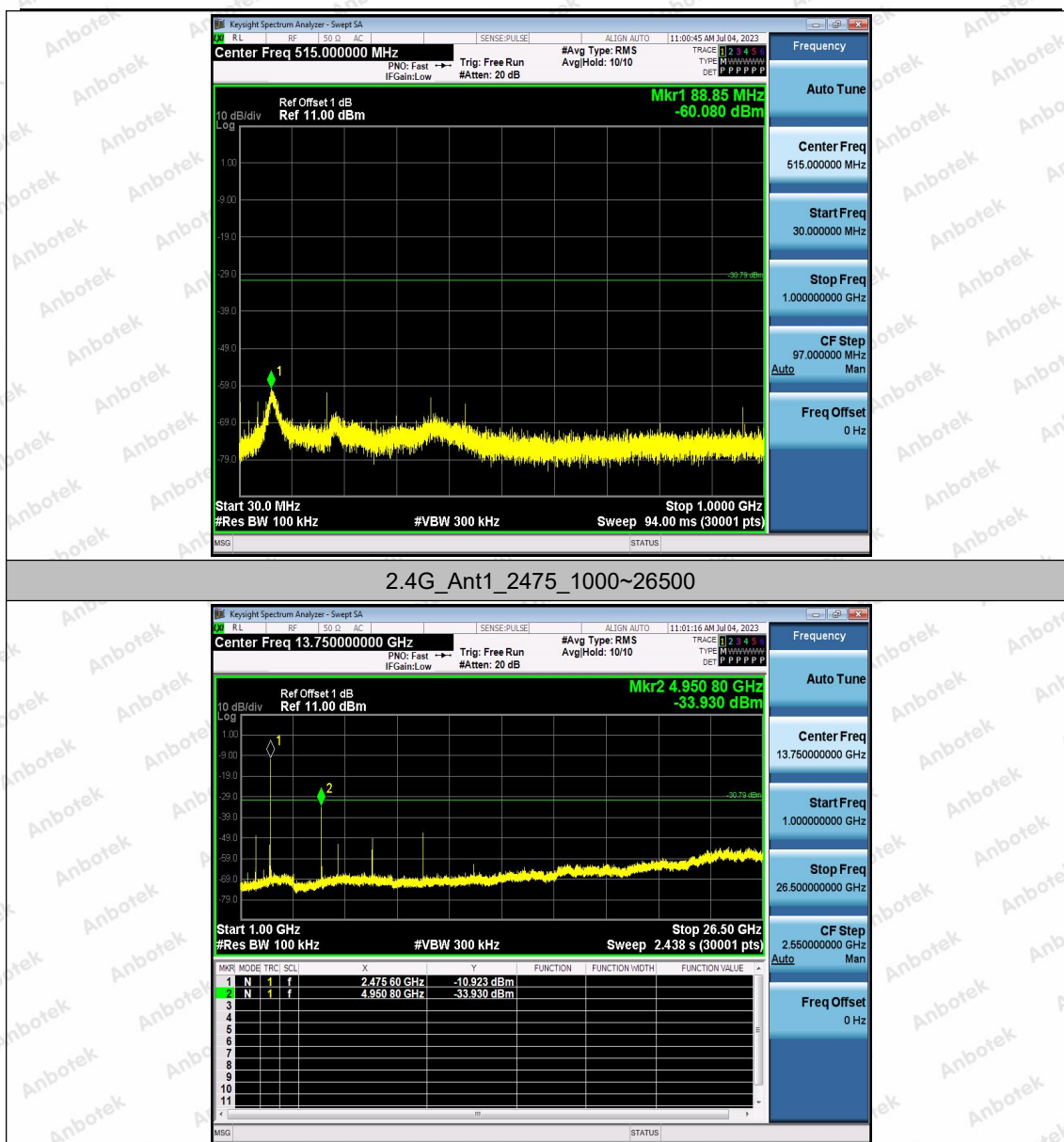
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## Appendix G: Duty Cycle

### Test Result

| Test Mode | Antenna | Frequency[MHz] | ON Time [ms] | Period [ms] | Duty Cycle [%] | Duty Cycle Factor[dB] |
|-----------|---------|----------------|--------------|-------------|----------------|-----------------------|
| 2.4G      | Ant1    | 2405           | 19.00        | 19.00       | 100            | 0.00                  |
|           |         | 2451           | 19.00        | 19.00       | 100            | 0.00                  |
|           |         | 2475           | 19.00        | 19.00       | 100            | 0.00                  |



## Test Graphs

2.4G\_Ant1\_2405



2.4G\_Ant1\_2451



2.4G\_Ant1\_2475

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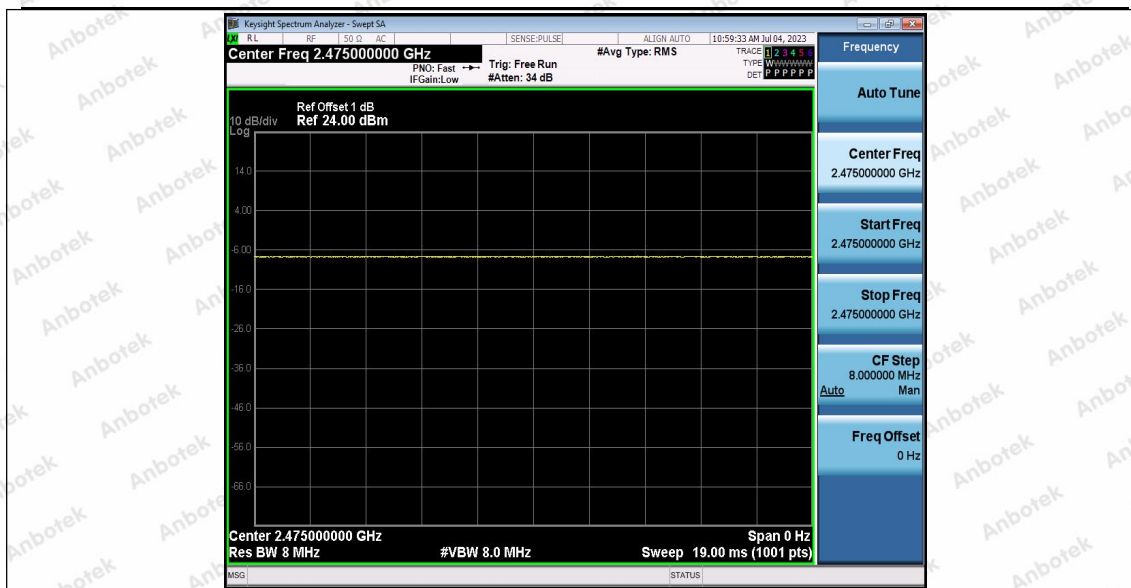
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