

## AppendixD.4: Maximum conducted output power

### Test Result Channel Power

| Test Mode   | Antenna | Freq(MHz)    | Channel Power [dBm] | Duty Cycle [%] | DC Factor [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|-------------|---------|--------------|---------------------|----------------|-----------------|--------------|-------------|---------|
| 11A         | Ant2    | 5180         | 12.79               | 99.06          | 0.04            | 12.83        | ≤23.98      | PASS    |
|             |         | 5200         | 12.65               | 99.05          | 0.04            | 12.69        | ≤23.98      | PASS    |
|             |         | 5240         | 12.80               | 99.06          | 0.04            | 12.84        | ≤23.98      | PASS    |
| 11N20SISO   | Ant2    | 5180         | 12.60               | 99.63          | 0.02            | 12.62        | ≤23.98      | PASS    |
|             |         | 5200         | 12.43               | 99.63          | 0.02            | 12.45        | ≤23.98      | PASS    |
|             |         | 5240         | 12.63               | 99.63          | 0.02            | 12.65        | ≤23.98      | PASS    |
| 11N40SISO   | Ant2    | 5190         | 12.52               | 99.81          | 0.01            | 12.53        | ≤23.98      | PASS    |
|             |         | 5230         | 12.66               | 99.62          | 0.02            | 12.68        | ≤23.98      | PASS    |
| 11AC20SISO  | Ant2    | 5180         | 12.60               | 99.63          | 0.02            | 12.62        | ≤23.98      | PASS    |
|             |         | 5200         | 12.53               | 99.63          | 0.02            | 12.55        | ≤23.98      | PASS    |
|             |         | 5240         | 12.70               | 99.63          | 0.02            | 12.72        | ≤23.98      | PASS    |
| 11AC40SISO  | Ant2    | 5190         | 12.55               | 99.62          | 0.02            | 12.57        | ≤23.98      | PASS    |
|             |         | 5230         | 12.66               | 99.81          | 0.01            | 12.67        | ≤23.98      | PASS    |
| 11AC80SISO  | Ant2    | 5210         | 12.41               | 99.26          | 0.03            | 12.44        | ≤23.98      | PASS    |
| 11AC160SISO | Ant2    | 5250_UNII-1  | 8.25                | 100.00         | 0.00            | 8.25         | ≤23.98      | PASS    |
|             |         | 5250_UNII-2A | 7.58                | 100.00         | 0.00            | 7.58         | ≤23.98      | PASS    |
| 11AX20SISO  | Ant2    | 5180         | 12.60               | 99.63          | 0.02            | 12.62        | ≤23.98      | PASS    |
|             |         | 5200         | 12.64               | 99.82          | 0.01            | 12.65        | ≤23.98      | PASS    |
|             |         | 5240         | 12.67               | 99.82          | 0.01            | 12.68        | ≤23.98      | PASS    |
| 11AX40SISO  | Ant2    | 5190         | 12.46               | 99.51          | 0.02            | 12.48        | ≤23.98      | PASS    |
|             |         | 5230         | 12.58               | 99.51          | 0.02            | 12.60        | ≤23.98      | PASS    |
| 11AX80SISO  | Ant2    | 5210         | 12.50               | 99.10          | 0.04            | 12.54        | ≤23.98      | PASS    |
| 11AX160SISO | Ant2    | 5250_UNII-1  | 8.31                | 100.00         | 0.00            | 8.31         | ≤23.98      | PASS    |
|             |         | 5250_UNII-2A | 7.65                | 100.00         | 0.00            | 7.65         | ≤23.98      | PASS    |

## AppendixD.5: Maximum power spectral density

### Test Result

| TestMode    | Antenna | Freq(MHz)    | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|-------------|---------|--------------|------------------|----------------|---------|
| 11A         | Ant2    | 5180         | 1.12             | ≤11.00         | PASS    |
|             |         | 5200         | 1.12             | ≤11.00         | PASS    |
|             |         | 5240         | 1.33             | ≤11.00         | PASS    |
| 11N20SISO   | Ant2    | 5180         | 0.69             | ≤11.00         | PASS    |
|             |         | 5200         | 0.61             | ≤11.00         | PASS    |
|             |         | 5240         | 0.92             | ≤11.00         | PASS    |
| 11N40SISO   | Ant2    | 5190         | -2.15            | ≤11.00         | PASS    |
|             |         | 5230         | -1.93            | ≤11.00         | PASS    |
| 11AC20SISO  | Ant2    | 5180         | 0.70             | ≤11.00         | PASS    |
|             |         | 5200         | 0.67             | ≤11.00         | PASS    |
|             |         | 5240         | 0.95             | ≤11.00         | PASS    |
| 11AC40SISO  | Ant2    | 5190         | -2.16            | ≤11.00         | PASS    |
|             |         | 5230         | -1.96            | ≤11.00         | PASS    |
| 11AC80SISO  | Ant2    | 5210         | -5.36            | ≤11.00         | PASS    |
| 11AC160SISO | Ant2    | 5250_UNII-1  | -9.25            | ≤11.00         | PASS    |
|             |         | 5250_UNII-2A | -9.84            | ≤11.00         | PASS    |
| 11AX20SISO  | Ant2    | 5180         | 0.34             | ≤11.00         | PASS    |
|             |         | 5200         | 0.46             | ≤11.00         | PASS    |
|             |         | 5240         | 0.70             | ≤11.00         | PASS    |
| 11AX40SISO  | Ant2    | 5190         | -2.49            | ≤11.00         | PASS    |
|             |         | 5230         | -2.29            | ≤11.00         | PASS    |
| 11AX80SISO  | Ant2    | 5210         | -5.27            | ≤11.00         | PASS    |
| 11AX160SISO | Ant2    | 5250_UNII-1  | -9.28            | ≤11.00         | PASS    |
|             |         | 5250_UNII-2A | -9.78            | ≤11.00         | PASS    |

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factorand RBW Factoriscompensatedinthe graph.

## Test Graphs

11A\_Ant2\_5180



11A\_Ant2\_5200



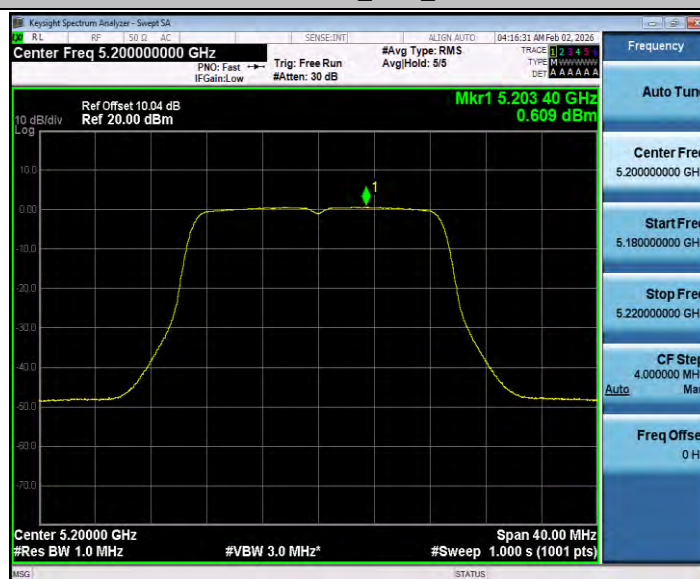
11A\_Ant2\_5240



11N20SISO\_Ant2\_5180



11N20SISO\_Ant2\_5200



## 11N20SISO\_Ant2\_5240



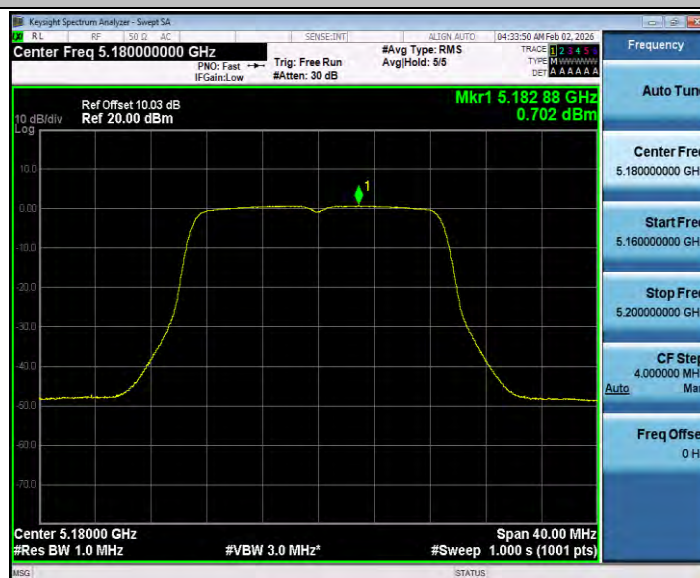
## 11N40SISO\_Ant2\_5190



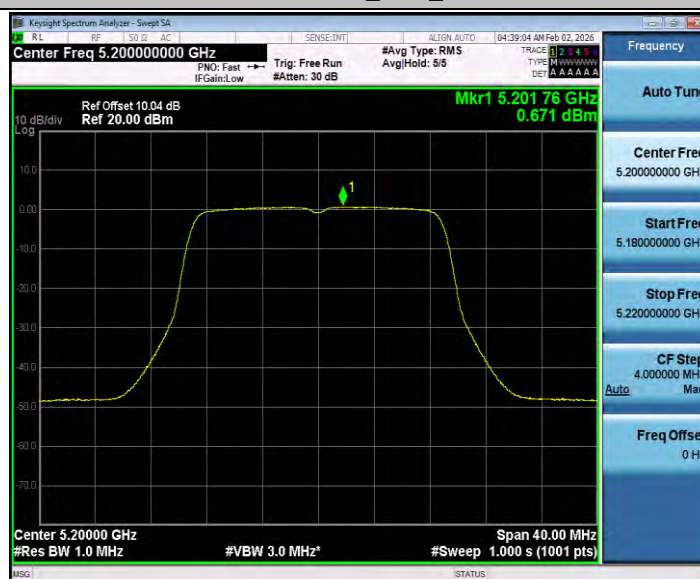
## 11N40SISO\_Ant2\_5230



11AC20SISO\_Ant2\_5180



11AC20SISO\_Ant2\_5200



## 11AC20SISO\_Ant2\_5240



## 11AC40SISO\_Ant2\_5190



## 11AC40SISO\_Ant2\_5230



11AC80SISO\_Ant2\_5210



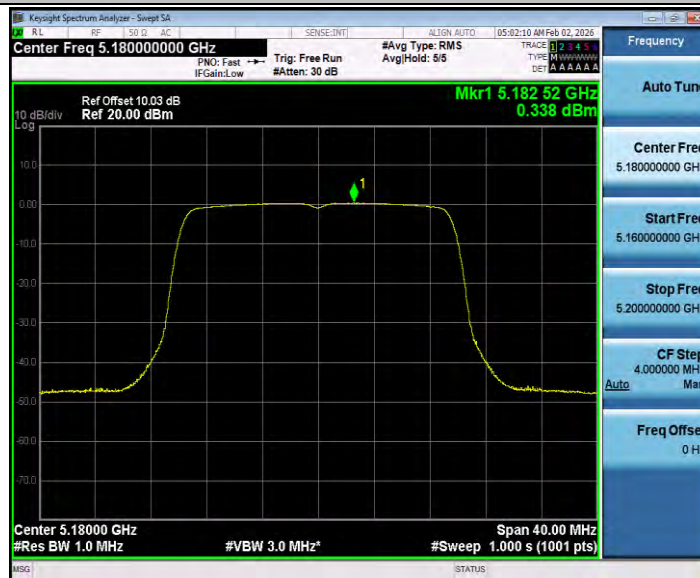
11AC160SISO\_Ant2\_5250\_UNII-1



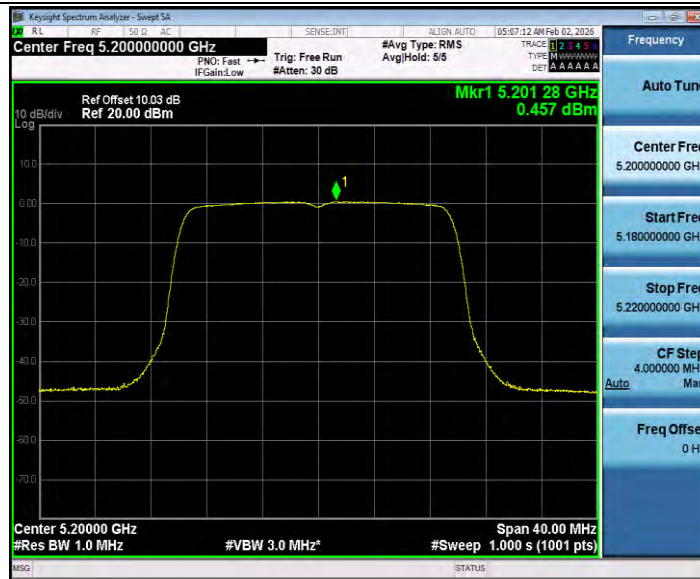
## 11AC160SISO\_Ant2\_5250\_UNII-2A



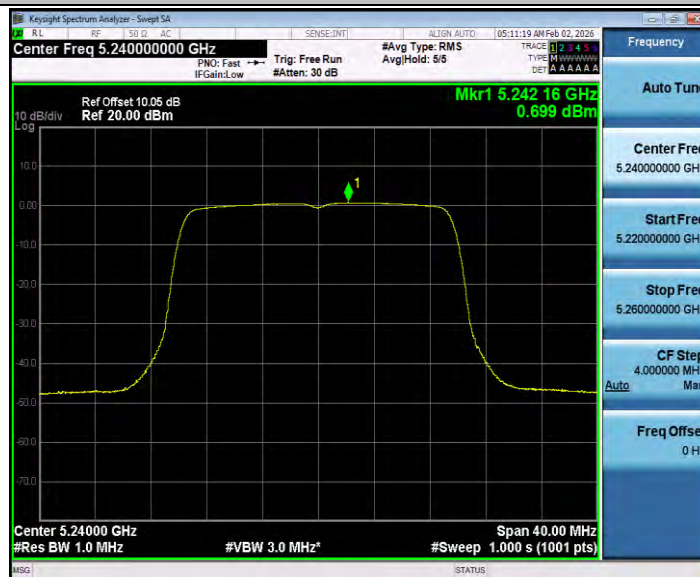
## 11AX20SISO\_Ant2\_5180



## 11AX20SISO\_Ant2\_5200



11AX20SISO\_Ant2\_5240



11AX40SISO\_Ant2\_5190



## 11AX40SISO\_Ant2\_5230



## 11AX80SISO\_Ant2\_5210



## 11AX160SISO\_Ant2\_5250\_UNII-1



11AX160SISO\_Ant2\_5250\_UNII-2A

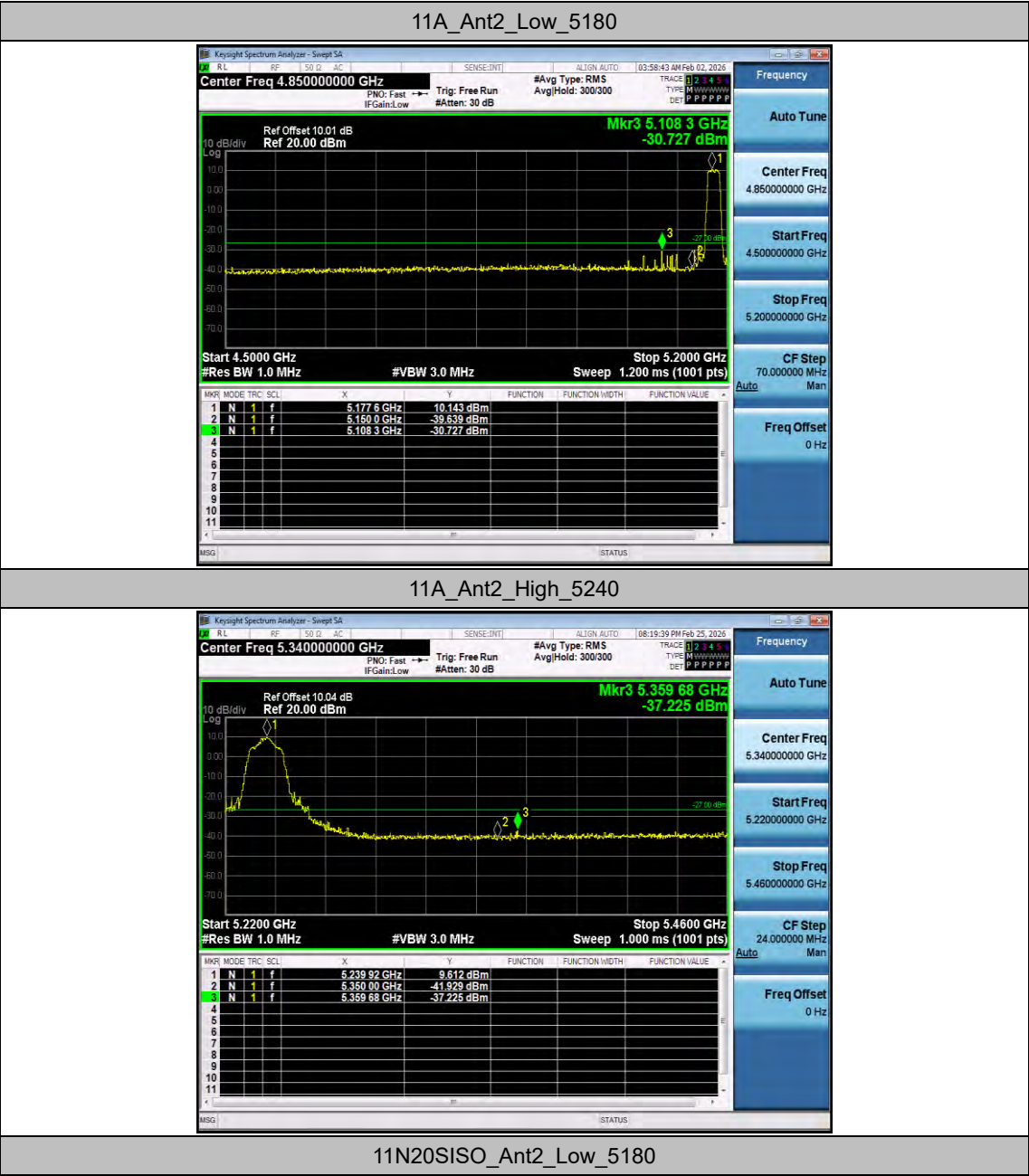


## AppendixD.6:Band edge measurements

### Test Result B1

| TestMode    | Antenna | ChName | Freq(MHz) | Result[dBm] | Limit[dBm] | Verdict |
|-------------|---------|--------|-----------|-------------|------------|---------|
| 11A         | Ant2    | Low    | 5180      | -30.73      | $\leq -27$ | PASS    |
|             |         | High   | 5240      | -37.23      | $\leq -27$ | PASS    |
| 11N20SISO   | Ant2    | Low    | 5180      | -32.6       | $\leq -27$ | PASS    |
|             |         | High   | 5240      | -35.87      | $\leq -27$ | PASS    |
| 11N40SISO   | Ant2    | Low    | 5190      | -33.18      | $\leq -27$ | PASS    |
|             |         | High   | 5230      | -29.21      | $\leq -27$ | PASS    |
| 11AC20SISO  | Ant2    | Low    | 5180      | -29.82      | $\leq -27$ | PASS    |
|             |         | High   | 5240      | -37.22      | $\leq -27$ | PASS    |
| 11AC40SISO  | Ant2    | Low    | 5190      | -34.22      | $\leq -27$ | PASS    |
|             |         | High   | 5230      | -31.32      | $\leq -27$ | PASS    |
| 11AC80SISO  | Ant2    | Low    | 5210      | -36.91      | $\leq -27$ | PASS    |
|             |         | High   | 5210      | -37.38      | $\leq -27$ | PASS    |
| 11AC160SISO | Ant2    | Low    | 5250      | -41.57      | $\leq -27$ | PASS    |
|             |         | High   | 5250      | -41.7       | $\leq -27$ | PASS    |
| 11AX20SISO  | Ant2    | Low    | 5180      | -32.03      | $\leq -27$ | PASS    |
|             |         | High   | 5240      | -37.97      | $\leq -27$ | PASS    |
| 11AX40SISO  | Ant2    | Low    | 5190      | -32.06      | $\leq -27$ | PASS    |
|             |         | High   | 5230      | -36.41      | $\leq -27$ | PASS    |
| 11AX80SISO  | Ant2    | Low    | 5210      | -35.1       | $\leq -27$ | PASS    |
|             |         | High   | 5210      | -38.15      | $\leq -27$ | PASS    |
| 11AX160SISO | Ant2    | Low    | 5250      | -42.2       | $\leq -27$ | PASS    |
|             |         | High   | 5250      | -41.99      | $\leq -27$ | PASS    |

Test GraphsB1



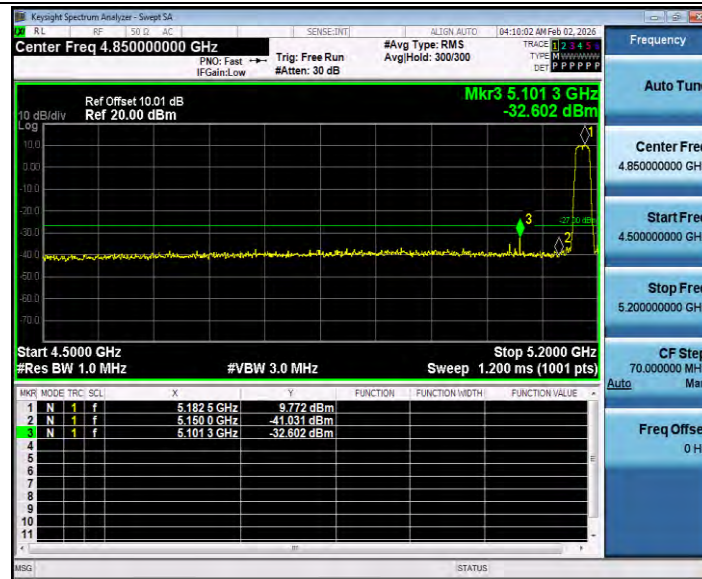
11A\_Ant2\_High\_5240

Frequency

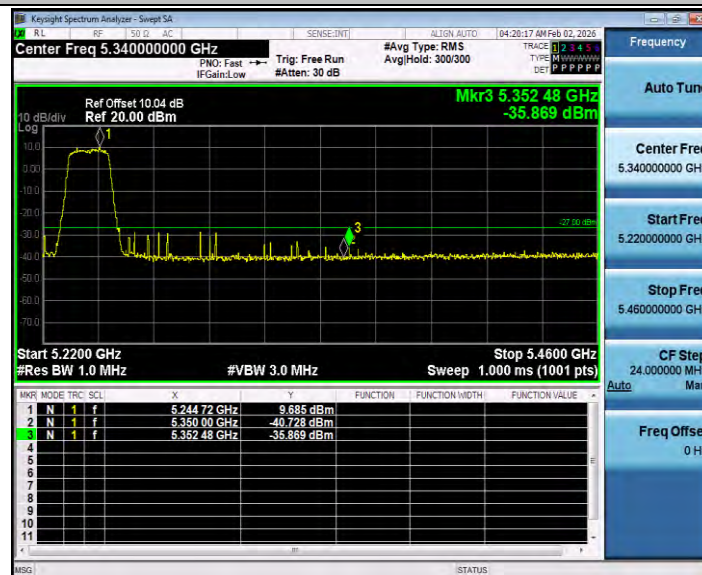
Auto Tune

Center Freq  
5.340000000 GHzStart Freq  
5.220000000 GHzStop Freq  
5.460000000 GHzCF Step  
24.00000000 MHz  
Auto ManFreq Offset  
0 Hz

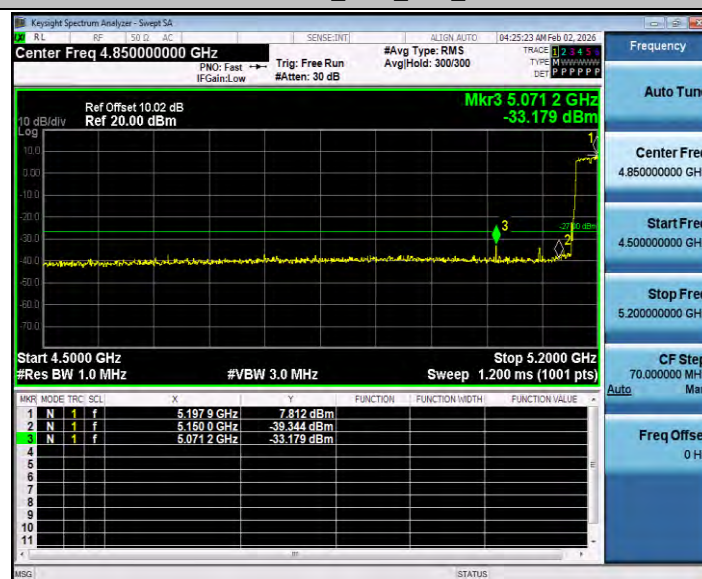
11N20SISO\_Ant2\_Low\_5180



11N20SISO\_Ant2\_High\_5240



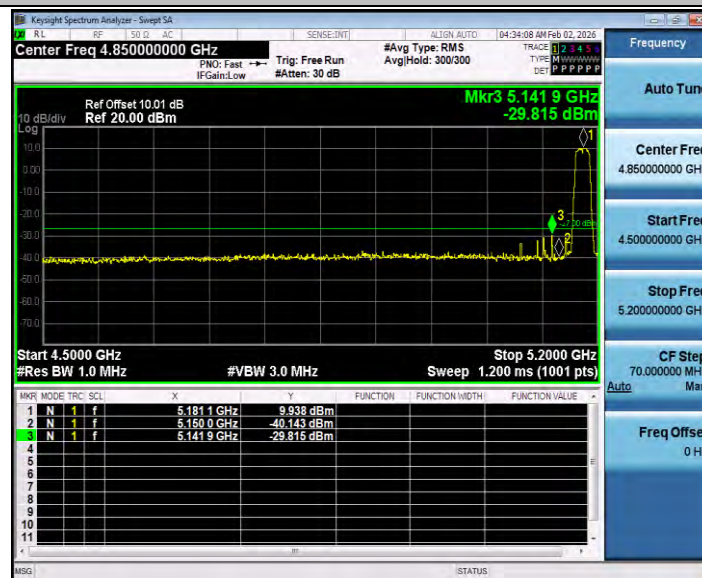
11N40SISO\_Ant2\_Low\_5190



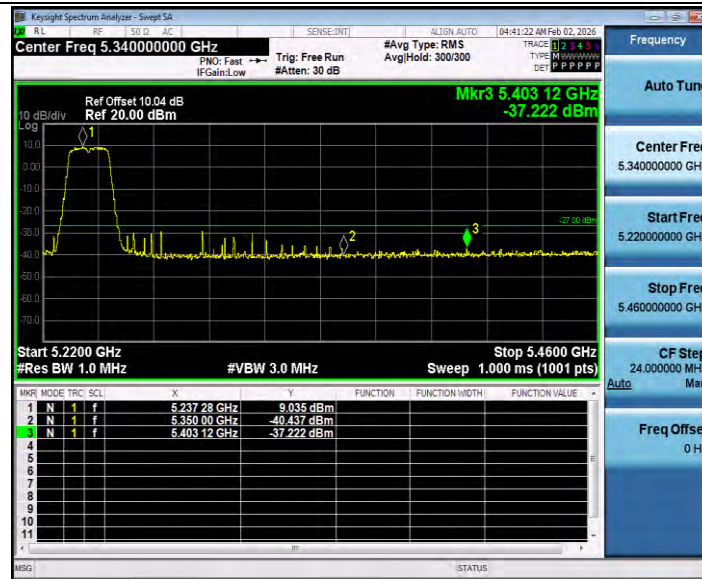
## 11N40SISO\_Ant2\_High\_5230



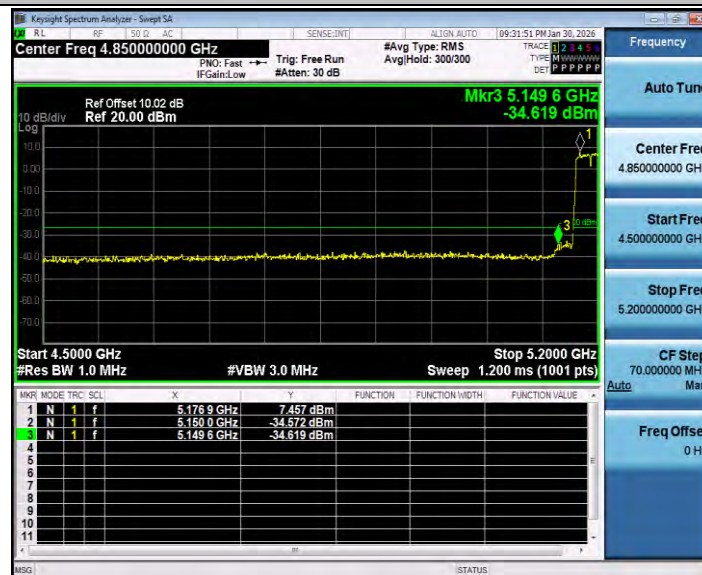
## 11AC20SISO\_Ant2\_Low\_5180



## 11AC20SISO\_Ant2\_High\_5240



11AC40SISO\_Ant2\_Low\_5190



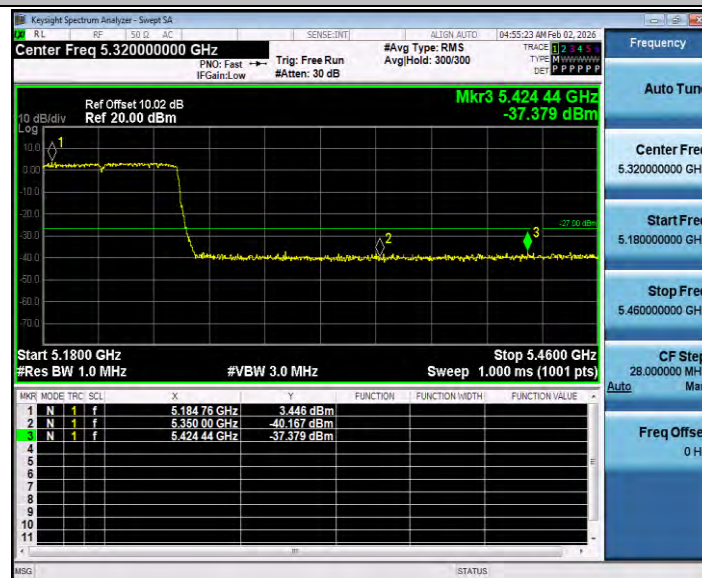
11AC40SISO\_Ant2\_High\_5230



## 11AC80SISO\_Ant2\_Low\_5210



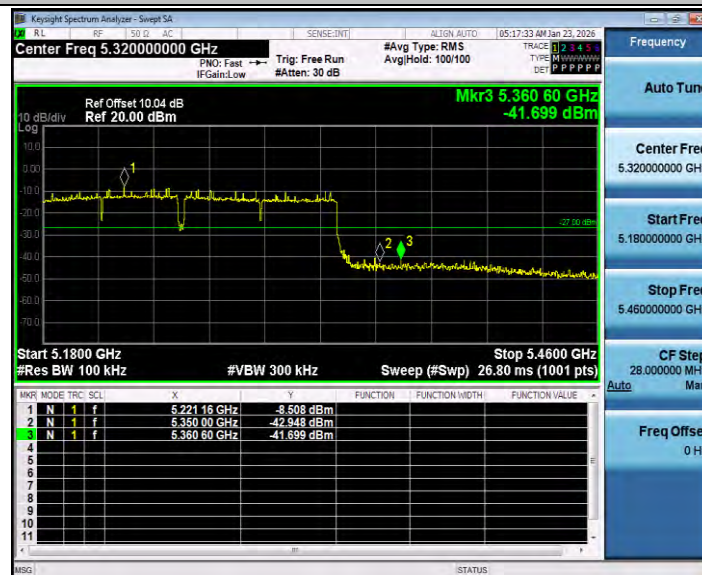
## 11AC80SISO\_Ant2\_High\_5210



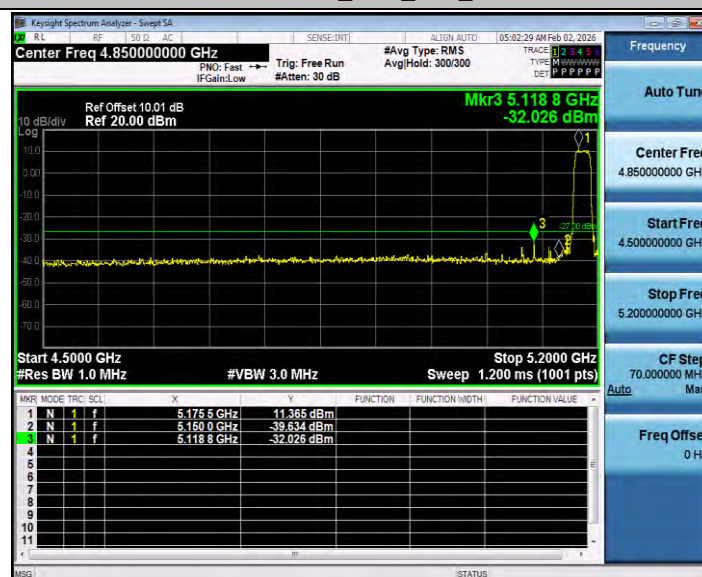
## 11AC160SISO\_Ant2\_Low\_5250



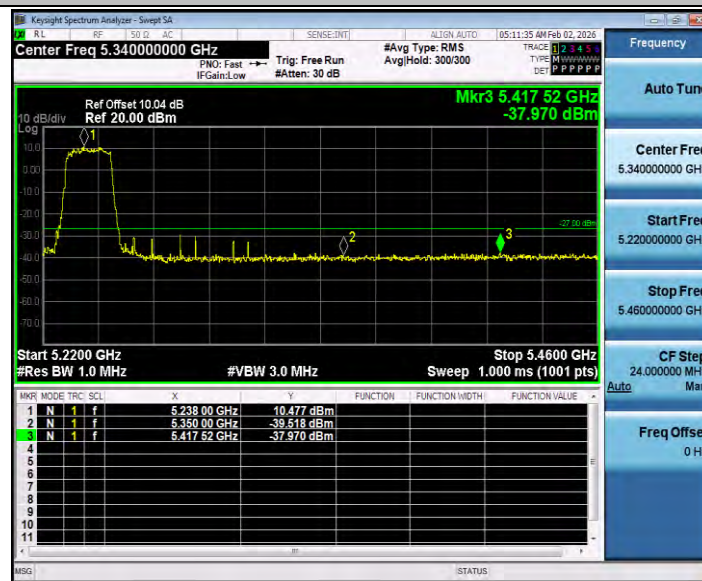
11AC160SISO\_Ant2\_High\_5250



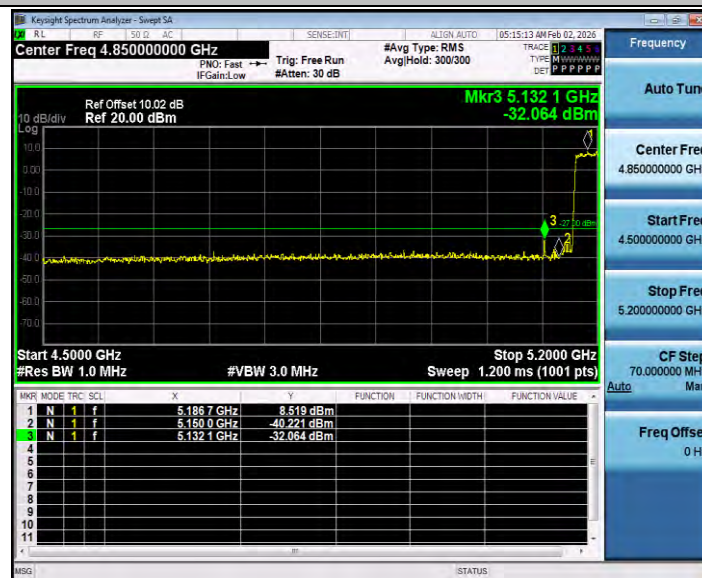
11AX20SISO\_Ant2\_Low\_5180



## 11AX20SISO\_Ant2\_High\_5240



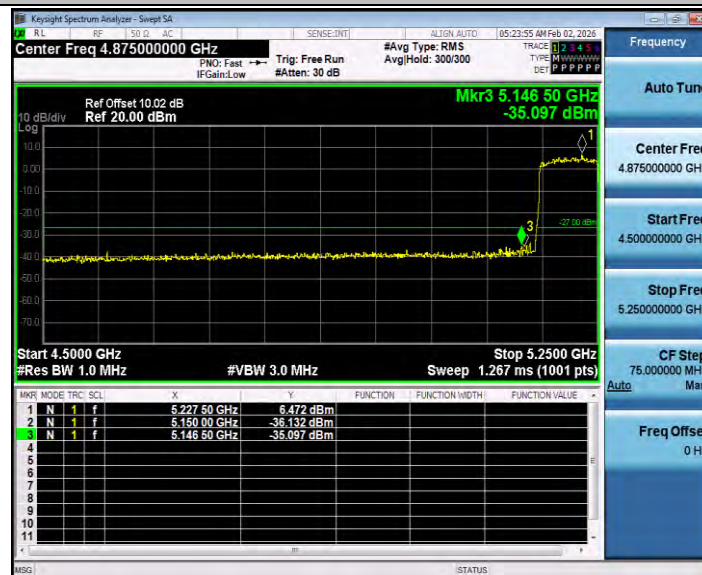
## 11AX40SISO\_Ant2\_Low\_5190



## 11AX40SISO\_Ant2\_High\_5230



11AX80SISO\_Ant2\_Low\_5210



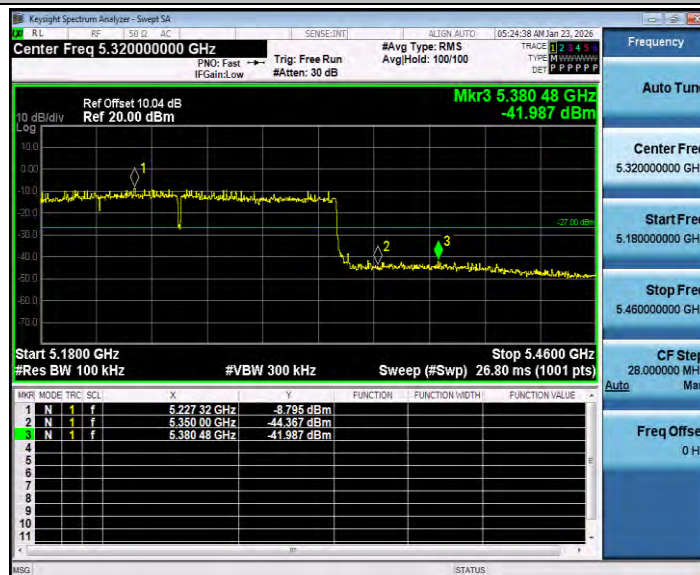
11AX80SISO\_Ant2\_High\_5210



## 11AX160SISO\_Ant2\_Low\_5250



## 11AX160SISO\_Ant2\_High\_5250



## AppendixD.7:Conducted Spurious Emission

### Test Result

| TestMode    | Antenna | Freq(MHz) | FreqRange [MHz] | Max. Fre [MHz] | Max. Level [dBm] | Limit [dBm] | Verdict |
|-------------|---------|-----------|-----------------|----------------|------------------|-------------|---------|
| 11A         | Ant2    | 5180      | 30~5140         | 5102.53        | -31.91           | ≤-27        | PASS    |
|             |         |           | 5360~27000      | 26826.16       | -35.97           | ≤-27        | PASS    |
|             |         | 5200      | 30~5140         | 5106.1         | -34.87           | ≤-27        | PASS    |
|             |         |           | 5360~27000      | 26075.25       | -36.99           | ≤-27        | PASS    |
|             |         | 5240      | 30~5140         | 5126.71        | -45.63           | ≤-27        | PASS    |
|             |         |           | 5360~27000      | 26694.88       | -36.5            | ≤-27        | PASS    |
| 11N20SISO   | Ant2    | 5180      | 30~5140         | 5130.8         | -30.37           | ≤-27        | PASS    |
|             |         |           | 5360~27000      | 24266.15       | -36.38           | ≤-27        | PASS    |
|             |         | 5200      | 30~5140         | 5115.47        | -35.97           | ≤-27        | PASS    |
|             |         |           | 5360~27000      | 24134.86       | -36.44           | ≤-27        | PASS    |
|             |         | 5240      | 30~5140         | 4947.86        | -46.44           | ≤-27        | PASS    |
|             |         |           | 5360~27000      | 24198.34       | -37.11           | ≤-27        | PASS    |
| 11N40SISO   | Ant2    | 5190      | 30~5140         | 5092.82        | -29.95           | ≤-27        | PASS    |
|             |         |           | 5360~27000      | 24219.26       | -37.16           | ≤-27        | PASS    |
|             |         | 5230      | 30~5140         | 2407.34        | -45.08           | ≤-27        | PASS    |
|             |         |           | 5360~27000      | 23498.65       | -37.47           | ≤-27        | PASS    |
| 11AC20SISO  | Ant2    | 5180      | 30~5140         | 5132.34        | -32.76           | ≤-27        | PASS    |
|             |         |           | 5360~27000      | 24216.37       | -36.79           | ≤-27        | PASS    |
|             |         | 5200      | 30~5140         | 5068.29        | -45.12           | ≤-27        | PASS    |
|             |         |           | 5360~27000      | 25570.32       | -37.57           | ≤-27        | PASS    |
|             |         | 5240      | 30~5140         | 1736.4         | -44.63           | ≤-27        | PASS    |
|             |         |           | 5360~27000      | 24213.49       | -36.5            | ≤-27        | PASS    |
| 11AC40SISO  | Ant2    | 5190      | 30~5140         | 5138.64        | -34.52           | ≤-27        | PASS    |
|             |         |           | 5360~27000      | 26081.02       | -36.55           | ≤-27        | PASS    |
|             |         | 5230      | 30~5140         | 5137.27        | -29.39           | ≤-27        | PASS    |
|             |         |           | 5360~27000      | 5360           | -29.11           | ≤-27        | PASS    |
| 11AC80SISO  | Ant2    | 5210      | 30~5140         | 5084.81        | -41.49           | ≤-27        | PASS    |
|             |         |           | 5360~27000      | 23492.88       | -37.18           | ≤-27        | PASS    |
| 11AC160SISO | Ant2    | 5250      | 30~5140         | 5106.44        | -36.77           | ≤-27        | PASS    |
|             |         |           | 5360~27000      | 5395.35        | -32.48           | ≤-27        | PASS    |
| 11AX20SISO  | Ant2    | 5180      | 30~5140         | 5107.13        | -34.13           | ≤-27        | PASS    |
|             |         |           | 5360~27000      | 24784.79       | -36.99           | ≤-27        | PASS    |
|             |         | 5200      | 30~5140         | 5115.98        | -35.65           | ≤-27        | PASS    |
|             |         |           | 5360~27000      | 23526.78       | -36.73           | ≤-27        | PASS    |
|             |         | 5240      | 30~5140         | 4949.4         | -46.05           | ≤-27        | PASS    |
|             |         |           | 5360~27000      | 25532.09       | -36.99           | ≤-27        | PASS    |

|             |      |      |            |          |        |            |      |
|-------------|------|------|------------|----------|--------|------------|------|
| 11AX40SISO  | Ant2 | 5190 | 30~5140    | 5077.66  | -35.11 | $\leq -27$ | PASS |
|             |      |      | 5360~27000 | 24802.1  | -37.19 | $\leq -27$ | PASS |
|             |      | 5230 | 30~5140    | 5137.1   | -29.54 | $\leq -27$ | PASS |
|             |      |      | 5360~27000 | 5372.26  | -32.72 | $\leq -27$ | PASS |
| 11AX80SISO  | Ant2 | 5210 | 30~5140    | 5136.42  | -38.68 | $\leq -27$ | PASS |
|             |      |      | 5360~27000 | 24241.62 | -37.13 | $\leq -27$ | PASS |
| 11AX160SISO | Ant2 | 5250 | 30~5140    | 5113.6   | -36.68 | $\leq -27$ | PASS |
|             |      |      | 5360~27000 | 5376.59  | -33.35 | $\leq -27$ | PASS |

## Test Graphs

11A\_Ant2\_5180\_30~5140



11A\_Ant2\_5180\_5360~27000



11A\_Ant2\_5200\_30~5140



11A\_Ant2\_5200\_5360~27000



11A\_Ant2\_5240\_30~5140



## 11A\_Ant2\_5240\_5360~27000



## 11N20SISO\_Ant2\_5180\_30~5140



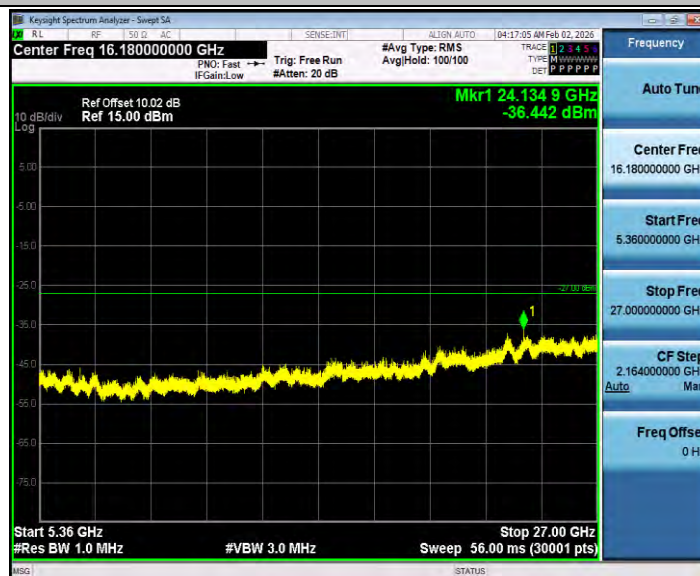
## 11N20SISO\_Ant2\_5180\_5360~27000



11N20SISO\_Ant2\_5200\_30~5140



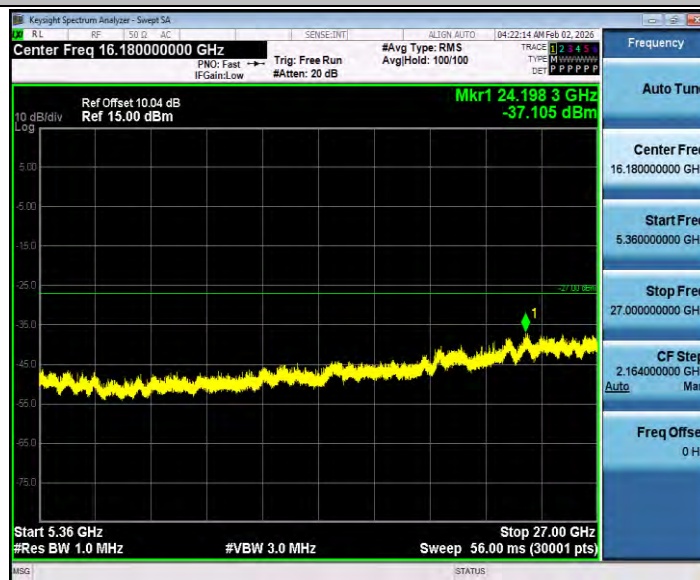
11N20SISO\_Ant2\_5200\_5360~27000



## 11N20SISO\_Ant2\_5240\_30~5140



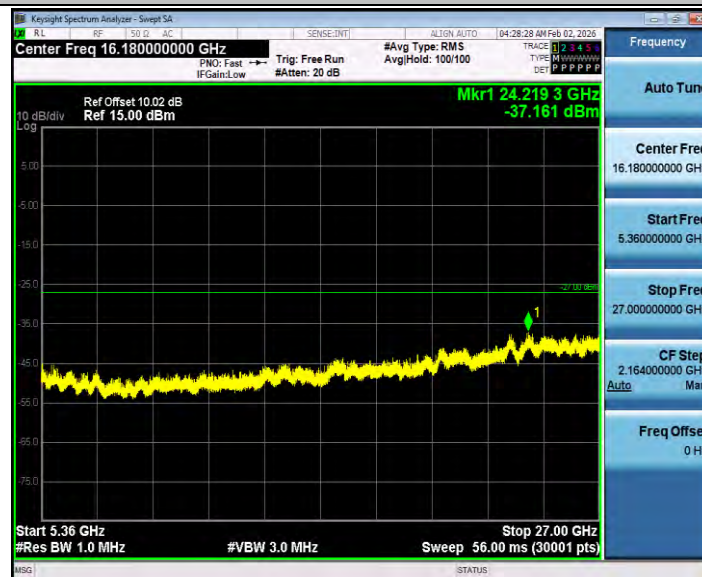
## 11N20SISO\_Ant2\_5240\_5360~27000



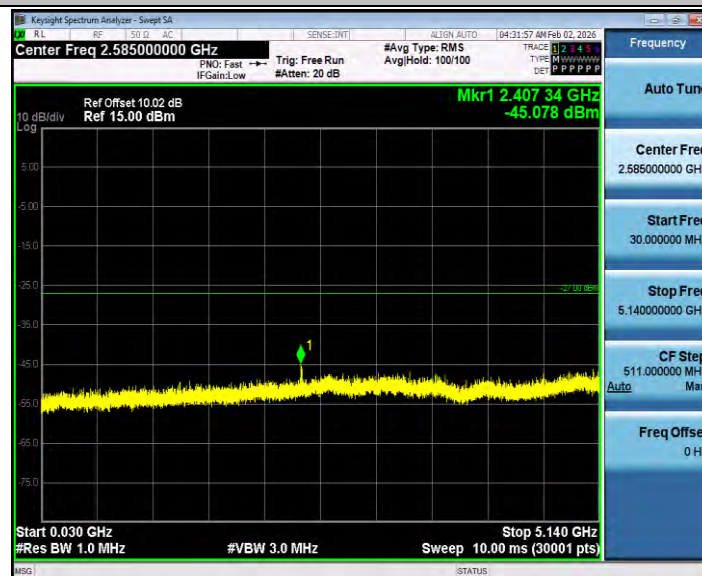
## 11N40SISO\_Ant2\_5190\_30~5140



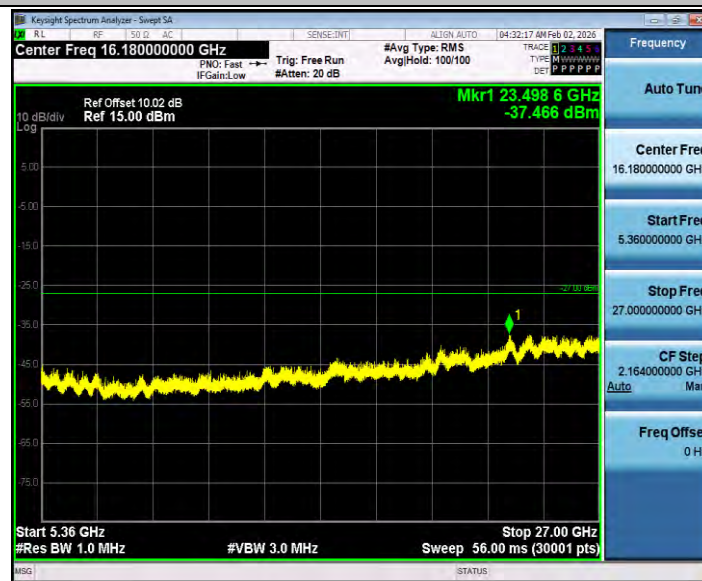
11N40SISO\_Ant2\_5190\_5360~27000



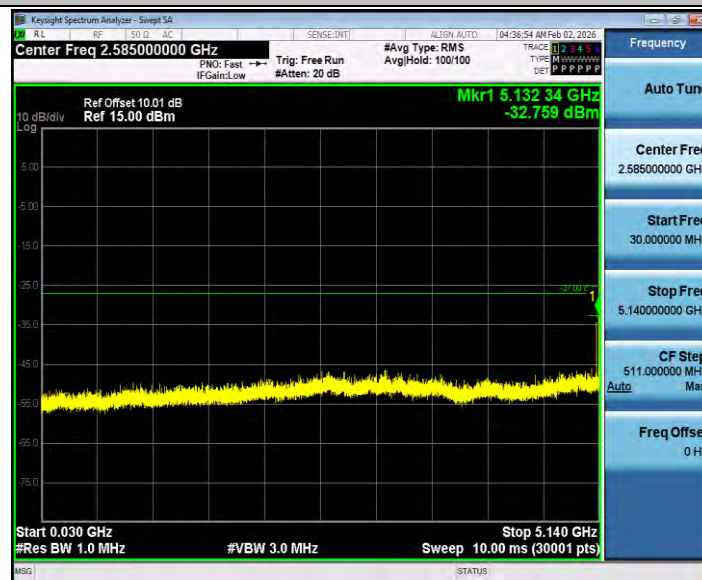
11N40SISO\_Ant2\_5230\_30~5140



## 11N40SISO\_Ant2\_5230\_5360~27000



## 11AC20SISO\_Ant2\_5180\_30~5140



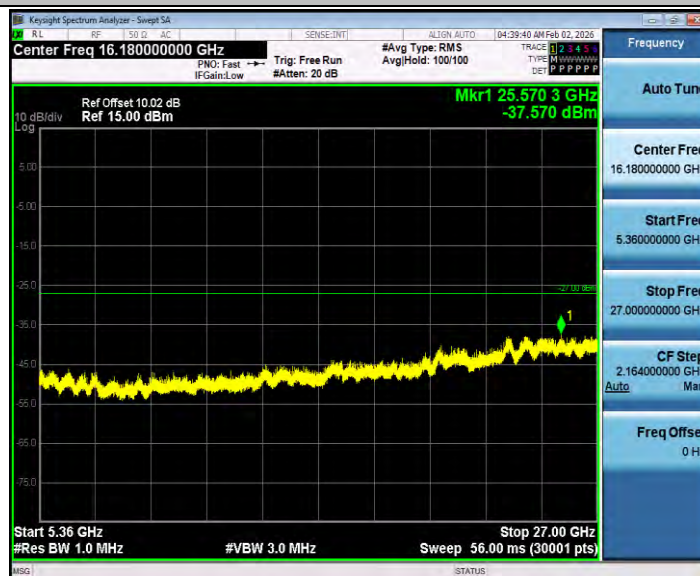
## 11AC20SISO\_Ant2\_5180\_5360~27000



11AC20SISO\_Ant2\_5200\_30~5140



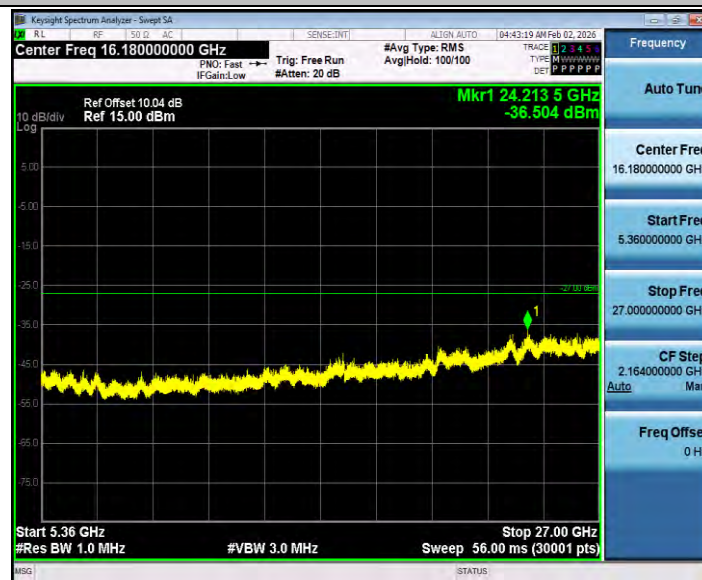
11AC20SISO\_Ant2\_5200\_5360~27000



## 11AC20SISO\_Ant2\_5240\_30~5140



## 11AC20SISO\_Ant2\_5240\_5360~27000



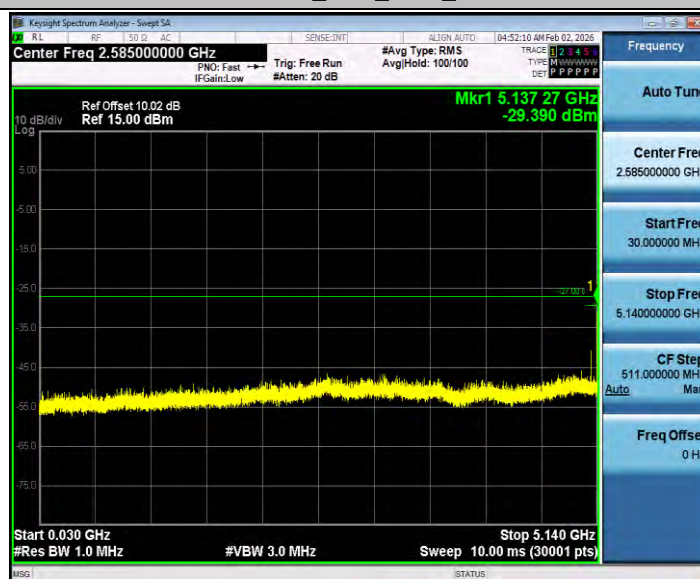
## 11AC40SISO\_Ant2\_5190\_30~5140



11AC40SISO\_Ant2\_5190\_5360~27000



11AC40SISO\_Ant2\_5230\_30~5140



## 11AC40SISO\_Ant2\_5230\_5360~27000



## 11AC80SISO\_Ant2\_5210\_30~5140



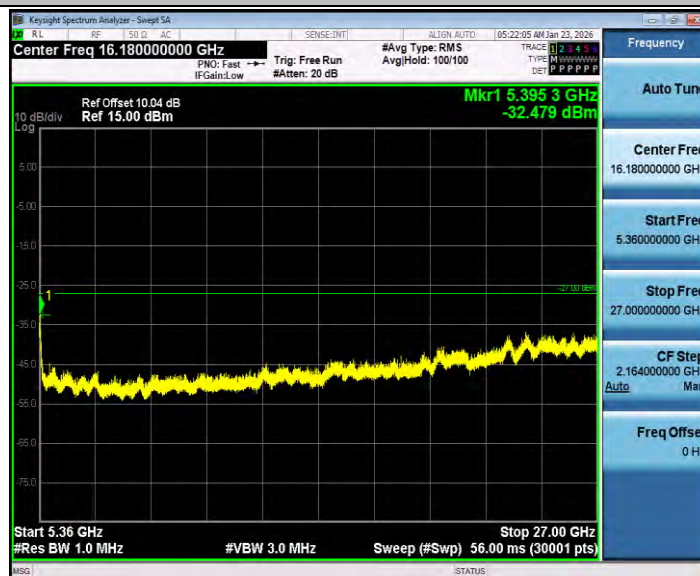
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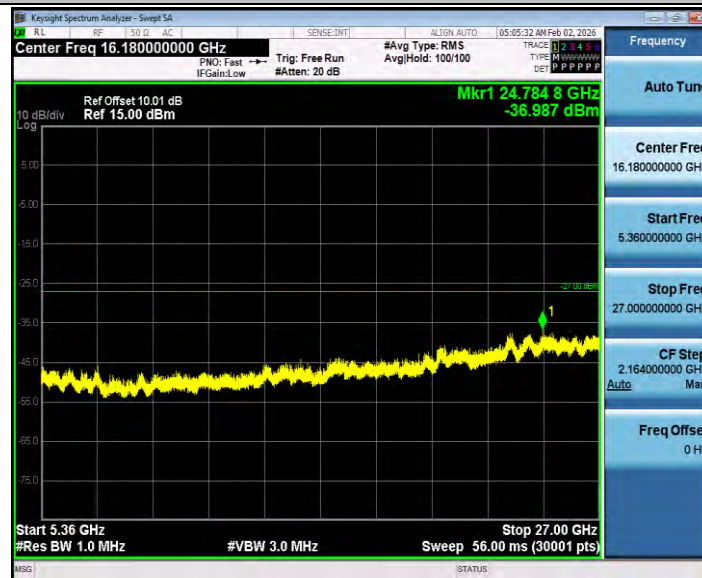
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## 11AX20SISO\_Ant2\_5180\_30~5140



## 11AX20SISO\_Ant2\_5180\_5360~27000



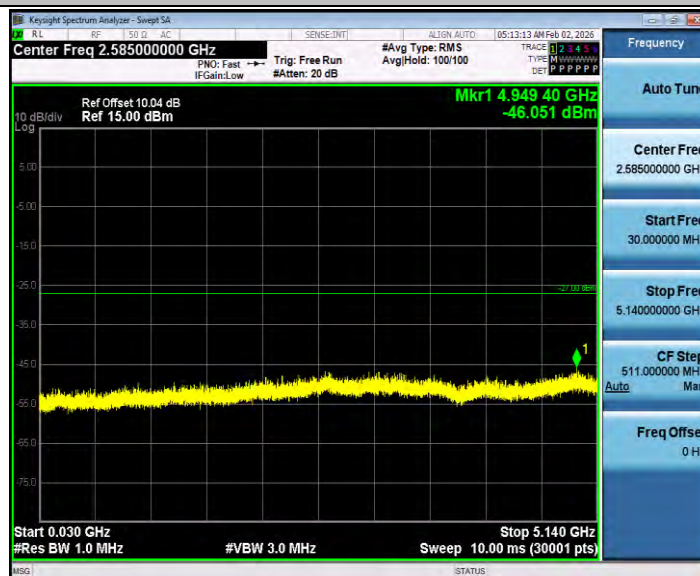
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11AX20SISO\_Ant2\_5200\_5360~27000



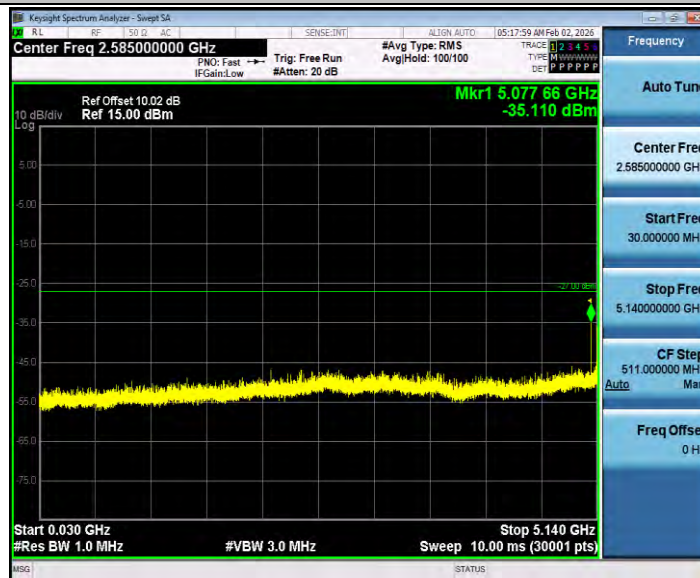
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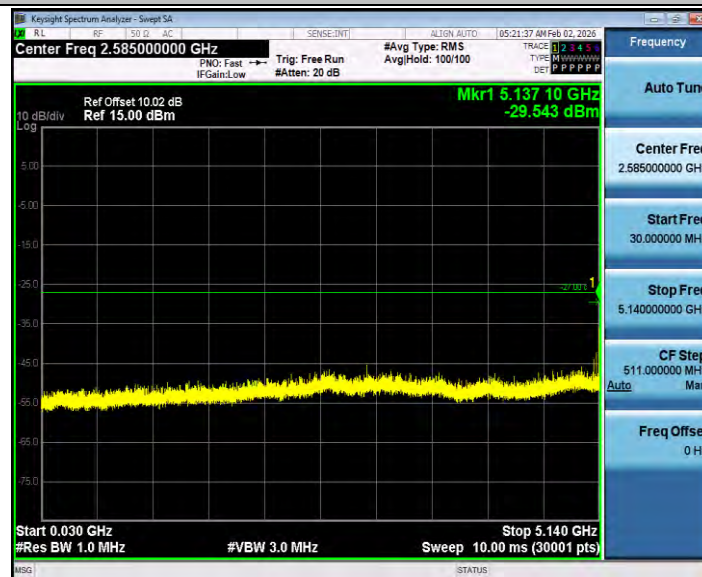
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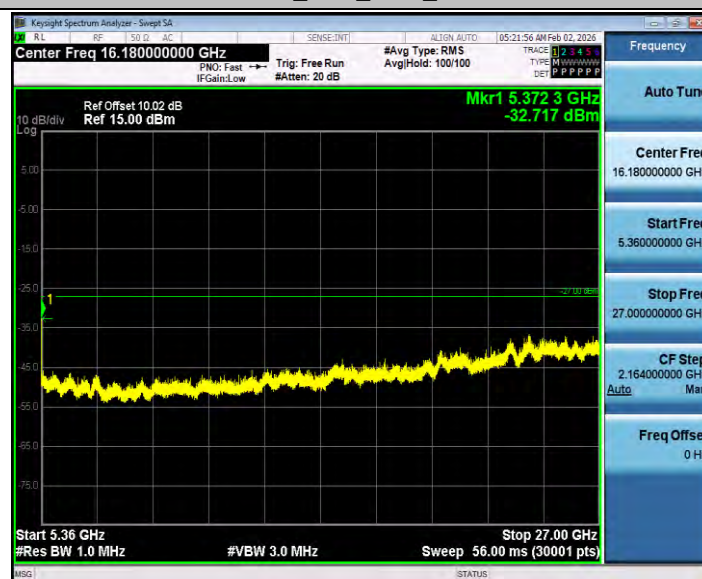
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11AX40SISO\_Ant2\_5230\_30~5140



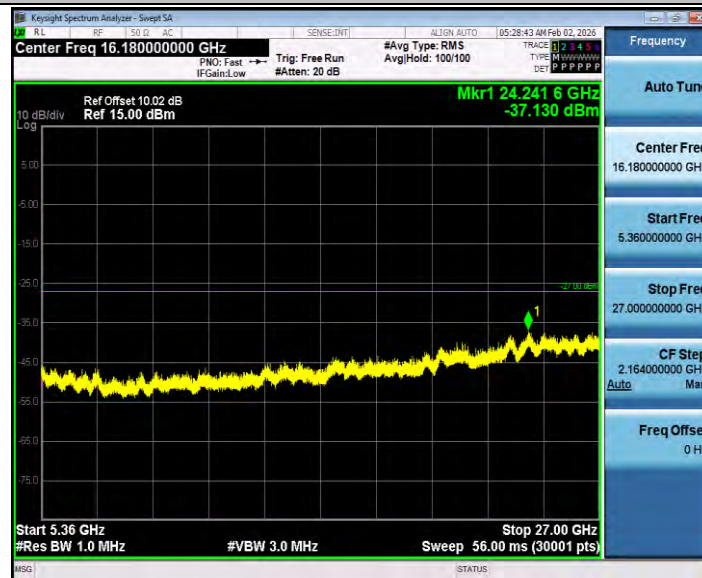
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## 11AX80SISO\_Ant2\_5210\_30~5140



## 11AX80SISO\_Ant2\_5210\_5360~27000



## 11AX160SISO\_Ant2\_5250\_30~5140

