

## Appendix D.4: Maximum conducted output power

### Test Result Channel Power

| Test Mode  | Antenna | Frequency[M Hz] | Channel Power [dBm] | Duty Cycle [%] | DC Factor [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|------------|---------|-----------------|---------------------|----------------|-----------------|--------------|-------------|---------|
| 11A        | Ant1    | 5180            | 9.33                | 92.27          | 0.35            | 9.68         | ≤23.98      | PASS    |
|            |         | 5200            | 9.61                | 91.86          | 0.37            | 9.98         | ≤23.98      | PASS    |
|            |         | 5240            | 10.45               | 93.12          | 0.31            | 10.76        | ≤23.98      | PASS    |
| 11N20SISO  | Ant1    | 5180            | 9.28                | 92.65          | 0.33            | 9.61         | ≤23.98      | PASS    |
|            |         | 5200            | 9.65                | 92.20          | 0.35            | 10.00        | ≤23.98      | PASS    |
|            |         | 5240            | 10.67               | 92.20          | 0.35            | 11.02        | ≤23.98      | PASS    |
| 11N40SISO  | Ant1    | 5190            | 8.88                | 86.11          | 0.65            | 9.53         | ≤23.98      | PASS    |
|            |         | 5230            | 10.04               | 86.11          | 0.65            | 10.69        | ≤23.98      | PASS    |
| 11AC20SISO | Ant1    | 5180            | 9.06                | 91.82          | 0.37            | 9.43         | ≤23.98      | PASS    |
|            |         | 5200            | 9.60                | 88.96          | 0.51            | 10.11        | ≤23.98      | PASS    |
|            |         | 5240            | 10.54               | 90.06          | 0.45            | 10.99        | ≤23.98      | PASS    |
| 11AC40SISO | Ant1    | 5190            | 9.02                | 84.55          | 0.73            | 9.75         | ≤23.98      | PASS    |
|            |         | 5230            | 10.18               | 83.93          | 0.76            | 10.94        | ≤23.98      | PASS    |
| 11AX20SISO | Ant1    | 5180            | 9.48                | 88.96          | 0.51            | 9.99         | ≤23.98      | PASS    |
|            |         | 5200            | 9.59                | 89.57          | 0.48            | 10.07        | ≤23.98      | PASS    |
|            |         | 5240            | 10.62               | 89.51          | 0.48            | 11.10        | ≤23.98      | PASS    |
| 11AX40SISO | Ant1    | 5190            | 8.76                | 81.32          | 0.90            | 9.66         | ≤23.98      | PASS    |
|            |         | 5230            | 9.91                | 81.52          | 0.89            | 10.80        | ≤23.98      | PASS    |

Note: The Duty Cycle Factor is compensated in the graph.

## Appendix D.5: Maximum power spectral density

### Test Result

| TestMode   | Antenna | Frequency[MHz] | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|----------------|------------------|----------------|---------|
| 11A        | Ant1    | 5180           | -4.67            | ≤11.00         | PASS    |
|            |         | 5200           | -4.27            | ≤11.00         | PASS    |
|            |         | 5240           | -3.4             | ≤11.00         | PASS    |
| 11N20SISO  | Ant1    | 5180           | -4.91            | ≤11.00         | PASS    |
|            |         | 5200           | -4.46            | ≤11.00         | PASS    |
|            |         | 5240           | -3.48            | ≤11.00         | PASS    |
| 11N40SISO  | Ant1    | 5190           | -7.97            | ≤11.00         | PASS    |
|            |         | 5230           | -6.85            | ≤11.00         | PASS    |
| 11AC20SISO | Ant1    | 5180           | -5.21            | ≤11.00         | PASS    |
|            |         | 5200           | -4.65            | ≤11.00         | PASS    |
|            |         | 5240           | -3.8             | ≤11.00         | PASS    |
| 11AC40SISO | Ant1    | 5190           | -7.77            | ≤11.00         | PASS    |
|            |         | 5230           | -6.51            | ≤11.00         | PASS    |
| 11AX20SISO | Ant1    | 5180           | -4.88            | ≤11.00         | PASS    |
|            |         | 5200           | -4.74            | ≤11.00         | PASS    |
|            |         | 5240           | -3.75            | ≤11.00         | PASS    |
| 11AX40SISO | Ant1    | 5190           | -8.06            | ≤11.00         | PASS    |
|            |         | 5230           | -6.9             | ≤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 Factor and RBW Factor is compensated in the graph.

## Test Graphs

11A\_Ant1\_5180



11A\_Ant1\_5200



11A\_Ant1\_5240



11N20SISO\_Ant1\_5180



11N20SISO\_Ant1\_5200



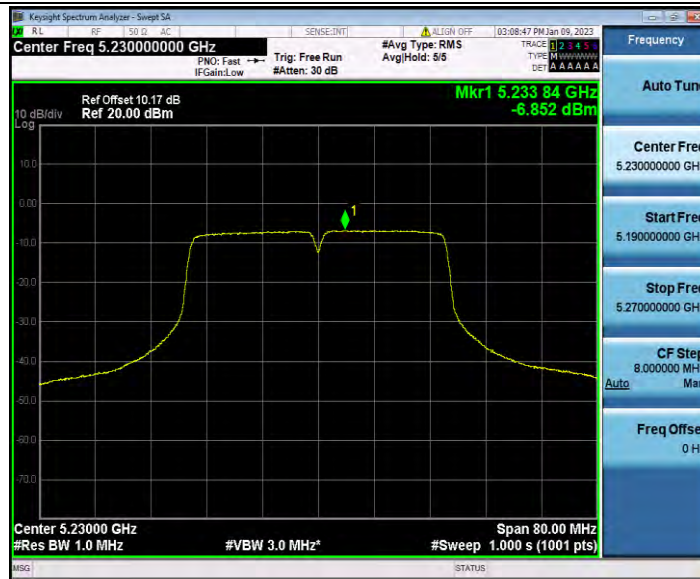
11N20SISO\_Ant1\_5240



11N40SISO\_Ant1\_5190



11N40SISO\_Ant1\_5230



11AC20SISO\_Ant1\_5180



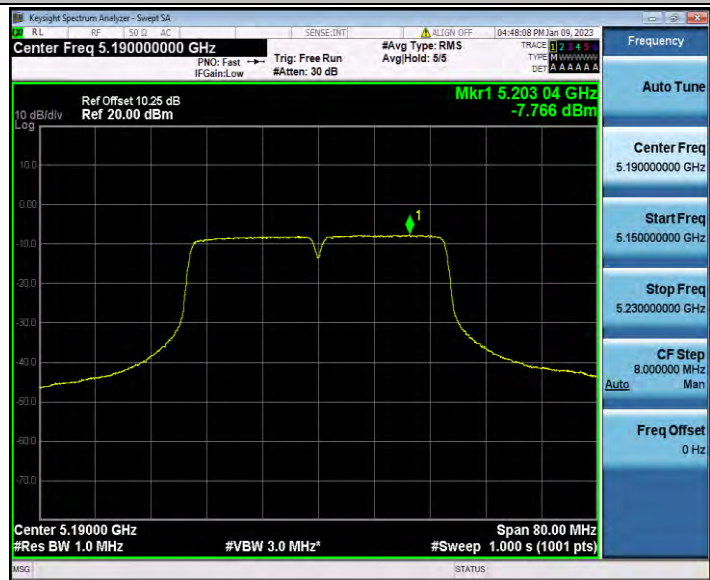
11AC20SISO\_Ant1\_5200



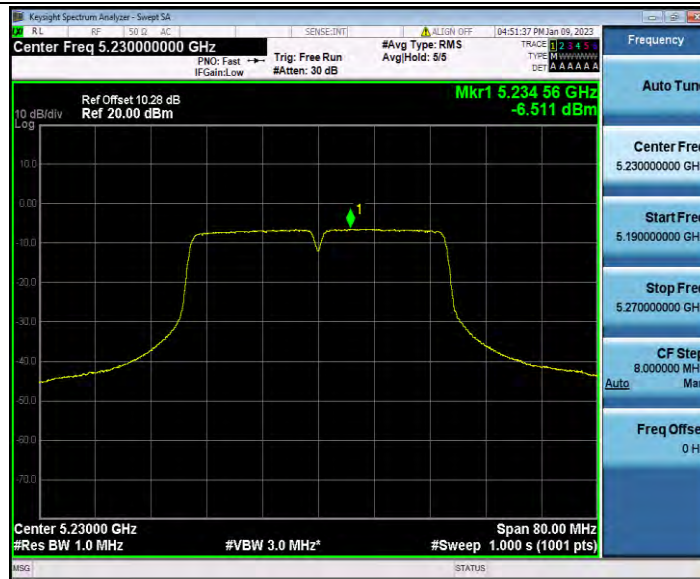
11AC20SISO\_Ant1\_5240



11AC40SISO\_Ant1\_5190



11AC40SISO\_Ant1\_5230



11AX20SISO\_Ant1\_5180



11AX20SISO\_Ant1\_5200



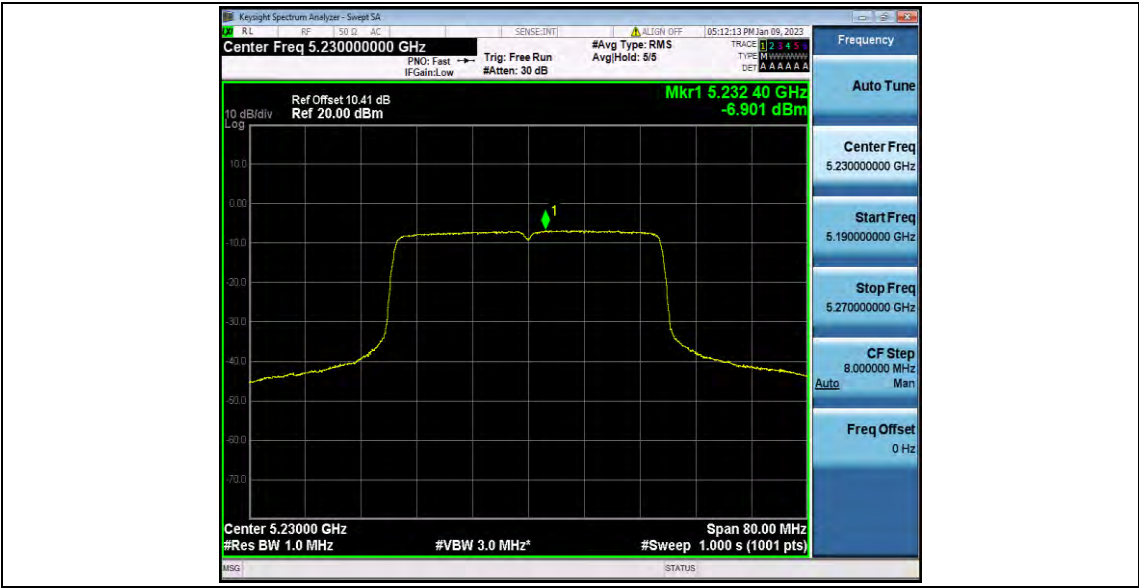
11AX20SISO\_Ant1\_5240



11AX40SISO\_Ant1\_5190



11AX40SISO\_Ant1\_5230



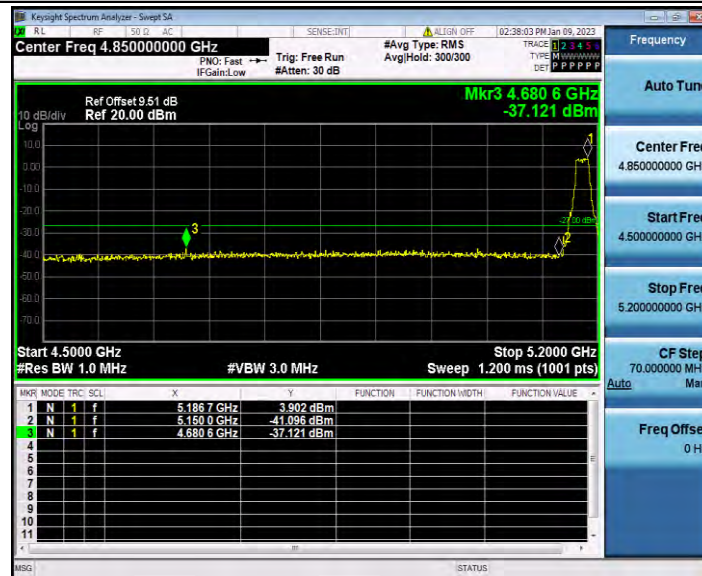
## Appendix D.6: Band edge measurements

### Test Result B1

| TestMode   | Antenna | ChName | Frequency[MHz] | Result[dBm] | Limit[dBm] | Verdict |
|------------|---------|--------|----------------|-------------|------------|---------|
| 11A        | Ant1    | Low    | 5180           | -37.12      | ≤-27       | PASS    |
|            |         | High   | 5240           | -37.89      | ≤-27       | PASS    |
| 11N20SISO  | Ant1    | Low    | 5180           | -37.22      | ≤-27       | PASS    |
|            |         | High   | 5240           | -37.9       | ≤-27       | PASS    |
| 11N40SISO  | Ant1    | Low    | 5190           | -35.99      | ≤-27       | PASS    |
|            |         | High   | 5230           | -38.1       | ≤-27       | PASS    |
| 11AC20SISO | Ant1    | Low    | 5180           | -37.54      | ≤-27       | PASS    |
|            |         | High   | 5240           | -37.82      | ≤-27       | PASS    |
| 11AC40SISO | Ant1    | Low    | 5190           | -33.84      | ≤-27       | PASS    |
|            |         | High   | 5230           | -37.67      | ≤-27       | PASS    |
| 11AX20SISO | Ant1    | Low    | 5180           | -37.47      | ≤-27       | PASS    |
|            |         | High   | 5240           | -37.89      | ≤-27       | PASS    |
| 11AX40SISO | Ant1    | Low    | 5190           | -34.27      | ≤-27       | PASS    |
|            |         | High   | 5230           | -37.23      | ≤-27       | PASS    |

## Test Graphs B1/2/3

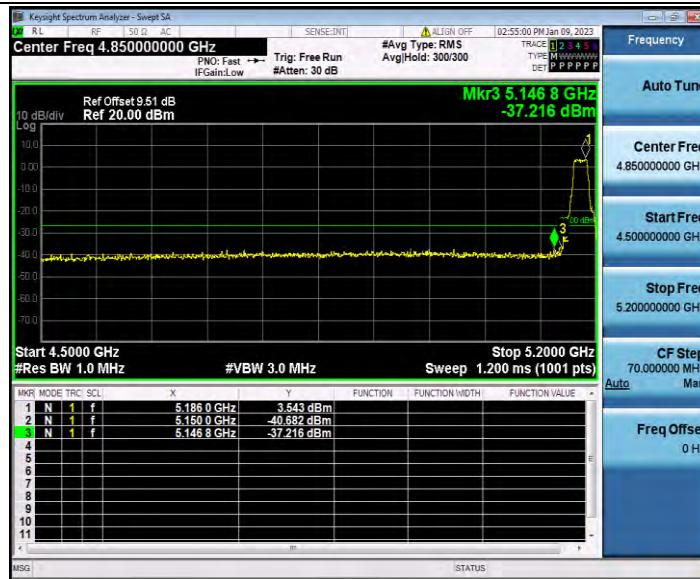
11A\_Ant1\_Low\_5180



11A\_Ant1\_High\_5240



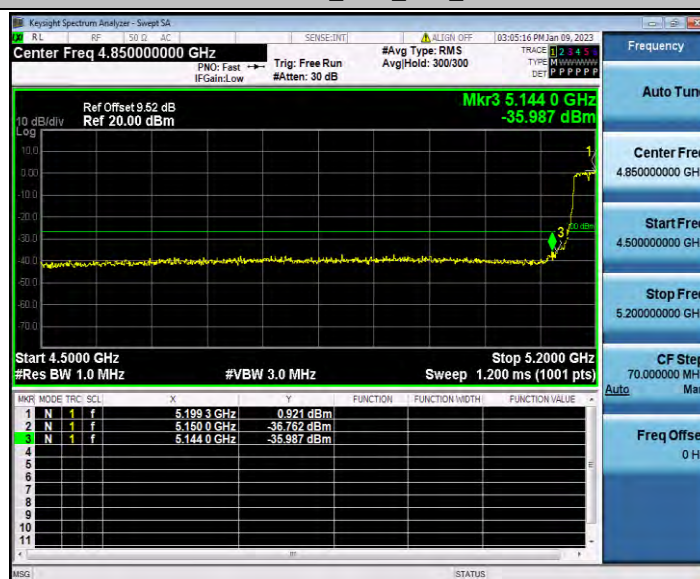
11N20SISO\_Ant1\_Low\_5180



11N20SISO\_Ant1\_High\_5240



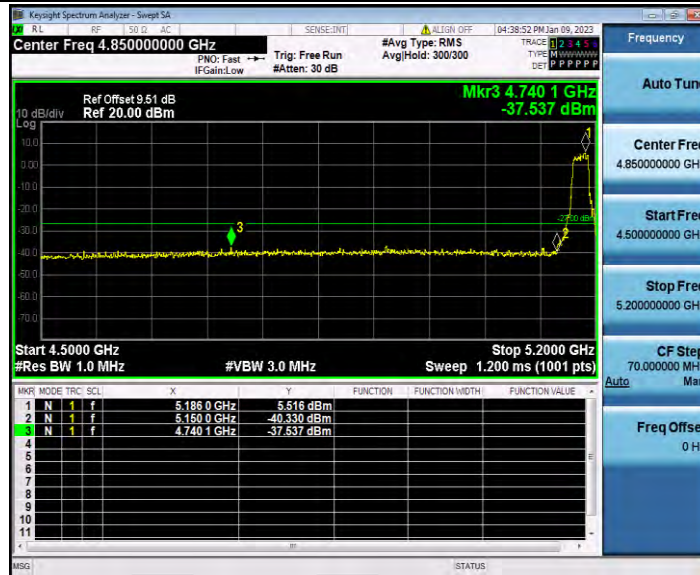
11N40SISO\_Ant1\_Low\_5190



# 11N40SISO\_Ant1\_High\_5230



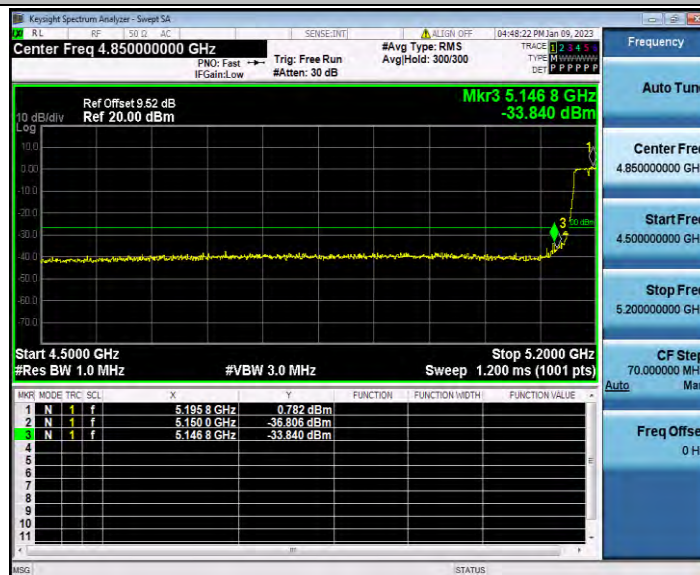
# 11AC20SISO\_Ant1\_Low\_5180



# 11AC20SISO\_Ant1\_High\_5240



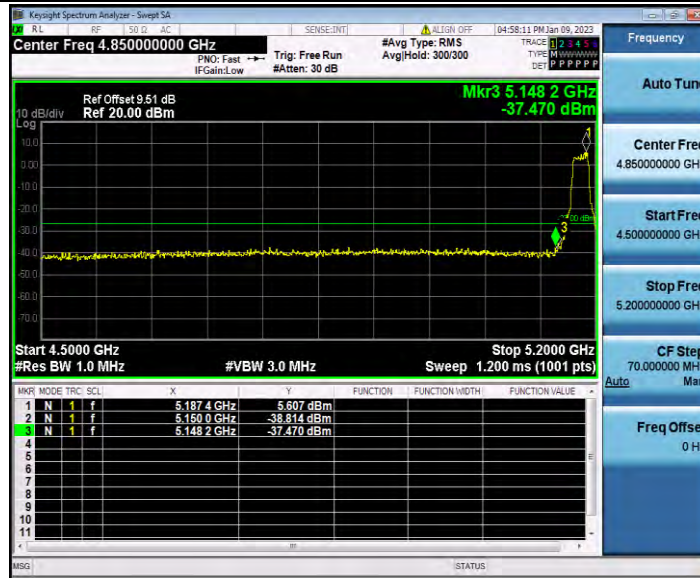
11AC40SISO\_Ant1\_Low\_5190



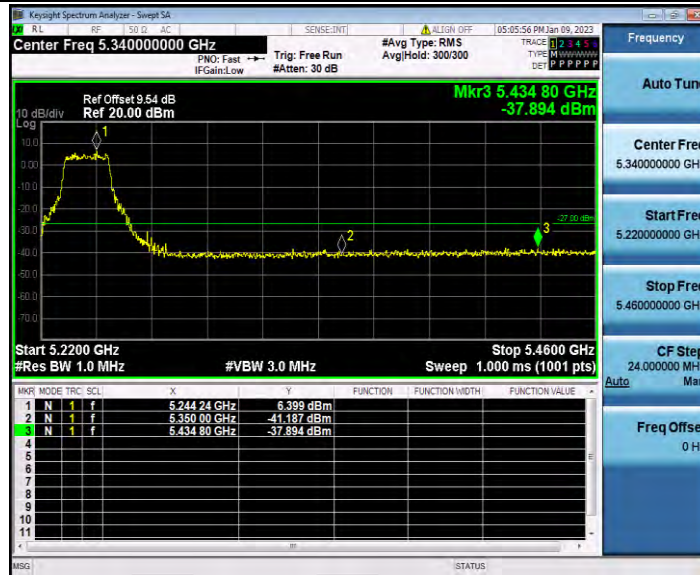
11AC40SISO\_Ant1\_High\_5230



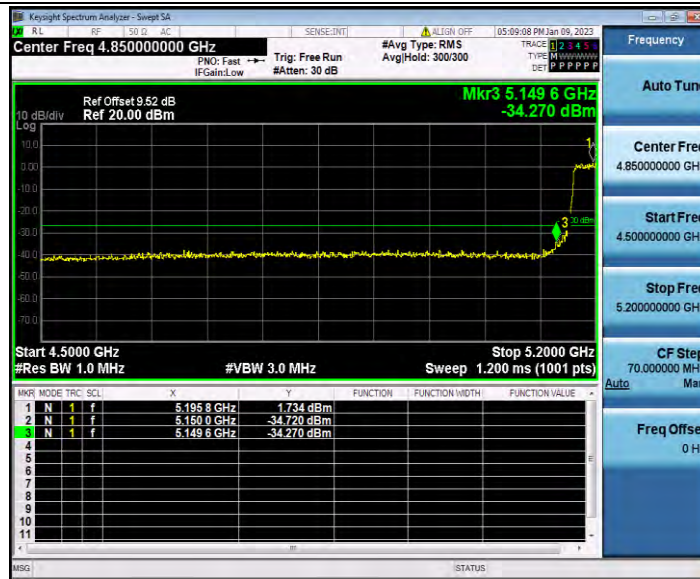
# 11AX20SISO\_Ant1\_Low\_5180



# 11AX20SISO\_Ant1\_High\_5240



# 11AX40SISO\_Ant1\_Low\_5190



11AX40SISO\_Ant1\_High\_5230



## Appendix D.7: Conducted Spurious Emission

### Test Result

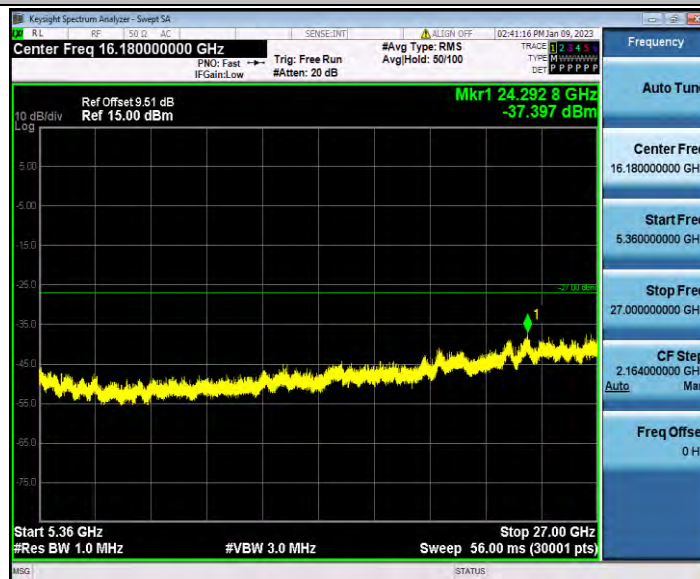
| TestMode   | Antenna | Frequency[MHz] | FreqRange [MHz] | Max. Fre [MHz] | Max. Level [dBm] | Limit [dBm] | Verdict |
|------------|---------|----------------|-----------------|----------------|------------------|-------------|---------|
| 11A        | Ant1    | 5180           | 30~5140         | 4693.22        | -46.14           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 24292.84       | -37.4            | ≤-27        | PASS    |
|            |         | 5200           | 30~5140         | 4815.86        | -45.39           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 24911.74       | -38.2            | ≤-27        | PASS    |
|            |         | 5240           | 30~5140         | 4184.6         | -46.64           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 26958.88       | -38.17           | ≤-27        | PASS    |
| 11N20SISO  | Ant1    | 5180           | 30~5140         | 4136.06        | -45.53           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 25671.3        | -37.71           | ≤-27        | PASS    |
|            |         | 5200           | 30~5140         | 4717.23        | -46.06           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 25636.68       | -37.38           | ≤-27        | PASS    |
|            |         | 5240           | 30~5140         | 4781.45        | -44.26           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 24221.42       | -38.11           | ≤-27        | PASS    |
| 11N40SISO  | Ant1    | 5190           | 30~5140         | 5137.45        | -42.69           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 25102.17       | -38.24           | ≤-27        | PASS    |
|            |         | 5230           | 30~5140         | 4198.91        | -44.49           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 25603.5        | -37.86           | ≤-27        | PASS    |
| 11AC20SISO | Ant1    | 5180           | 30~5140         | 5005.1         | -45.41           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 26890.36       | -38.03           | ≤-27        | PASS    |
|            |         | 5200           | 30~5140         | 4736.31        | -45.31           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 25581.86       | -37.99           | ≤-27        | PASS    |
|            |         | 5240           | 30~5140         | 4184.6         | -45.42           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 24201.23       | -37.61           | ≤-27        | PASS    |
| 11AC40SISO | Ant1    | 5190           | 30~5140         | 5136.59        | -43.01           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 25555.17       | -37.8            | ≤-27        | PASS    |
|            |         | 5230           | 30~5140         | 4200.78        | -42.44           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 24159.39       | -37.11           | ≤-27        | PASS    |
| 11AX20SISO | Ant1    | 5180           | 30~5140         | 4722.17        | -45.78           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 25974.26       | -37.48           | ≤-27        | PASS    |
|            |         | 5200           | 30~5140         | 2410.58        | -43.33           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 26637.17       | -38.12           | ≤-27        | PASS    |
|            |         | 5240           | 30~5140         | 4994.02        | -45.62           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 26585.23       | -37.59           | ≤-27        | PASS    |
| 11AX40SISO | Ant1    | 5190           | 30~5140         | 5138.13        | -43.25           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 23539.76       | -38.14           | ≤-27        | PASS    |
|            |         | 5230           | 30~5140         | 4201.46        | -41.95           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 23584.49       | -38.19           | ≤-27        | PASS    |

## Test Graphs

11A\_Ant1\_5180\_30~5140



11A\_Ant1\_5180\_5360~40000



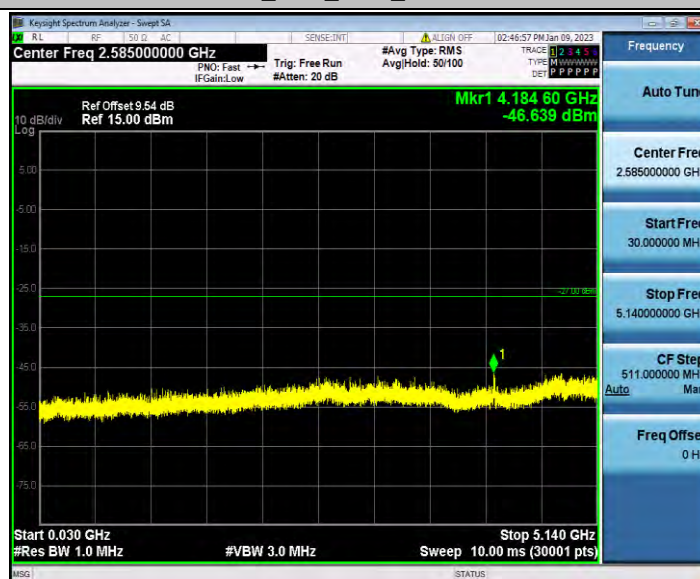
11A\_Ant1\_5200\_30~5140



11A\_Ant1\_5200\_5360~40000



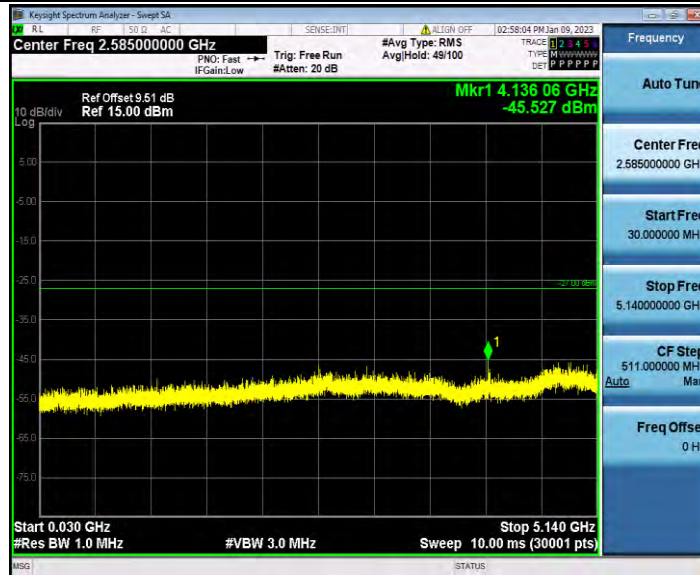
11A\_Ant1\_5240\_30~5140



# 11A\_Ant1\_5240\_5360~40000



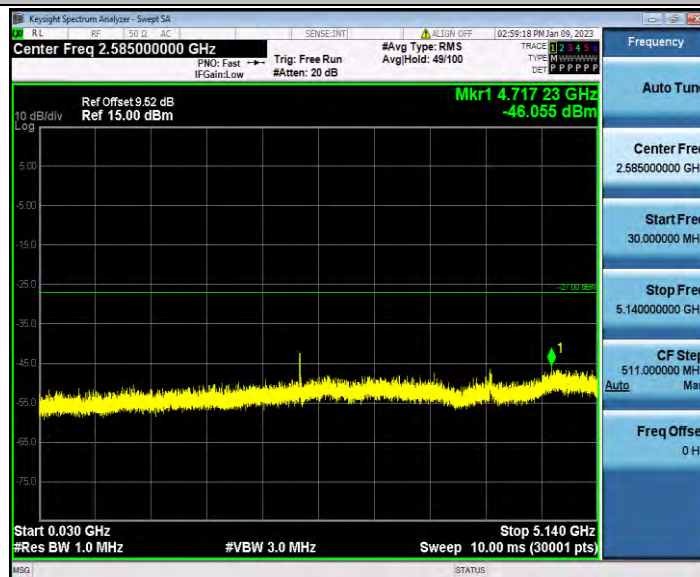
# 11N20SISO\_Ant1\_5180\_30~5140



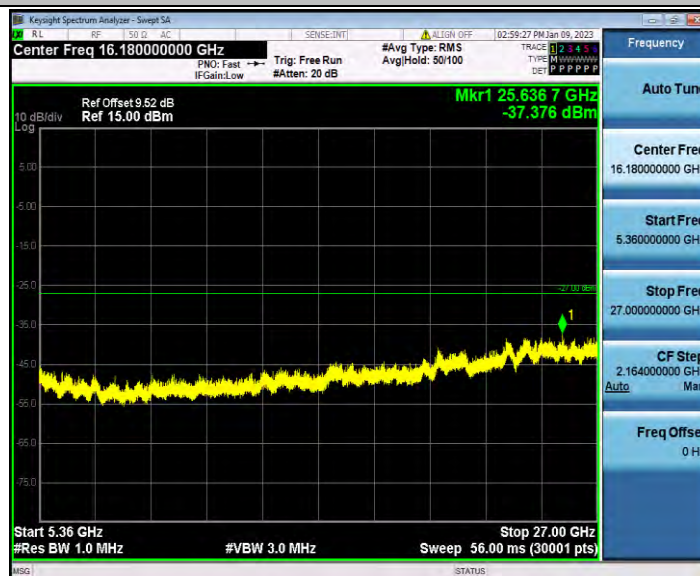
# 11N20SISO\_Ant1\_5180\_5360~40000



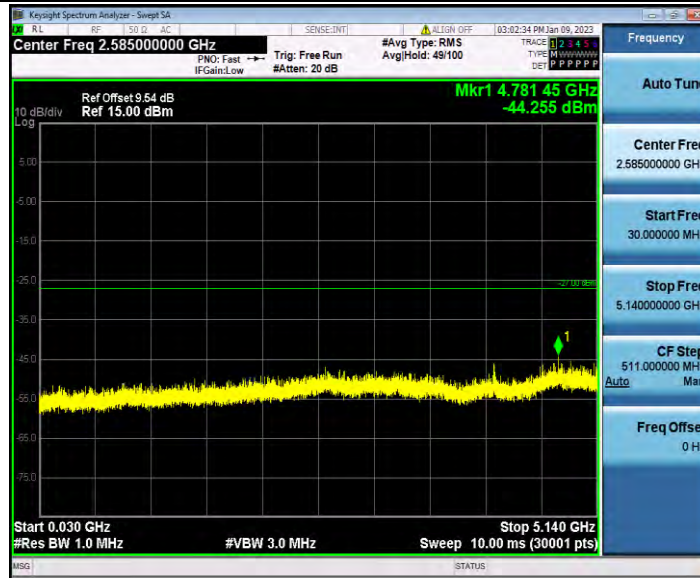
11N20SISO\_Ant1\_5200\_30~5140



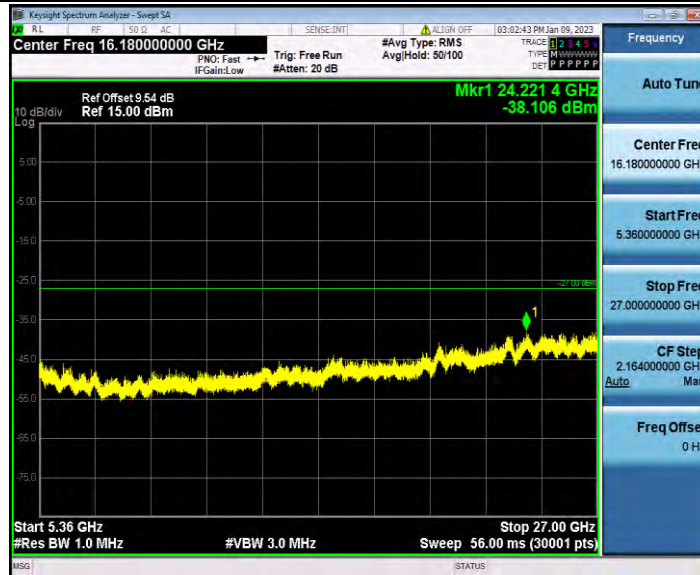
11N20SISO\_Ant1\_5200\_5360~40000



# 11N20SISO\_Ant1\_5240\_30~5140



# 11N20SISO\_Ant1\_5240\_5360~40000



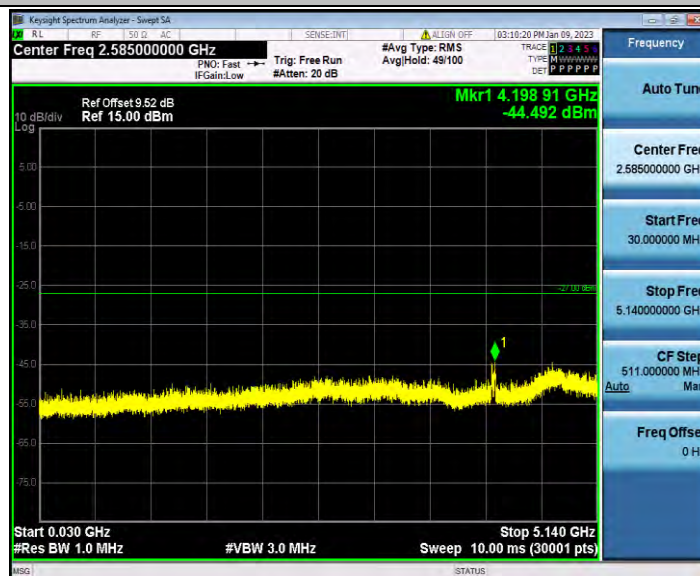
# 11N40SISO\_Ant1\_5190\_30~5140



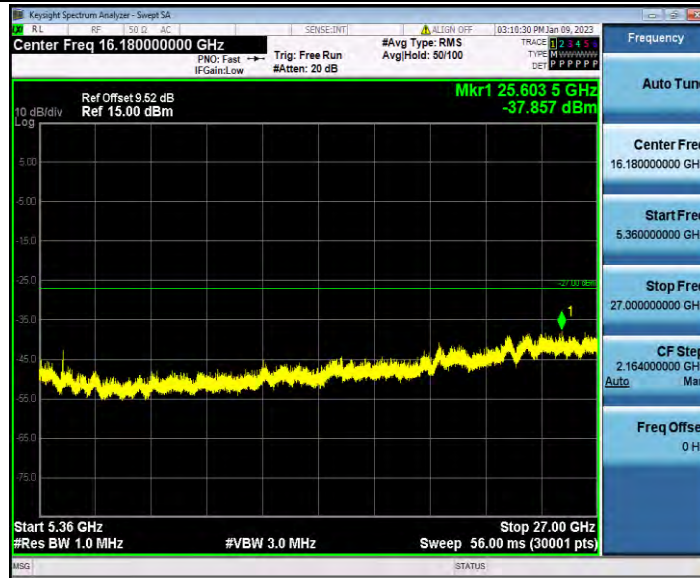
11N40SISO\_Ant1\_5190\_5360~40000



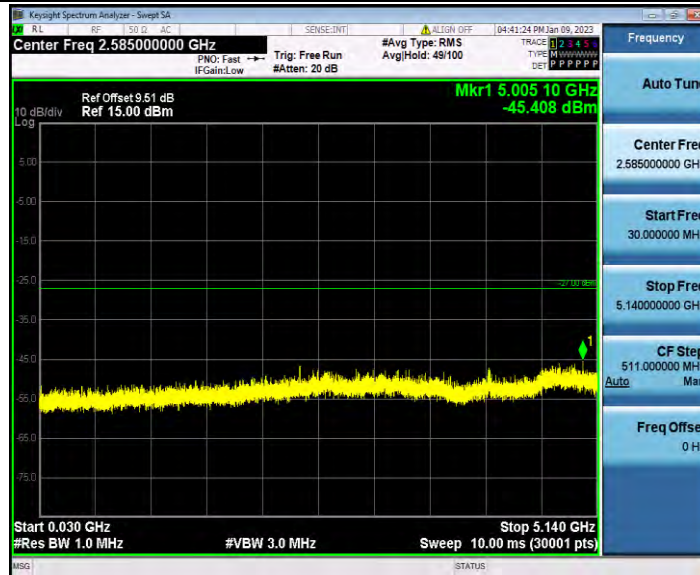
11N40SISO\_Ant1\_5230\_30~5140



# 11N40SISO\_Ant1\_5230\_5360~40000



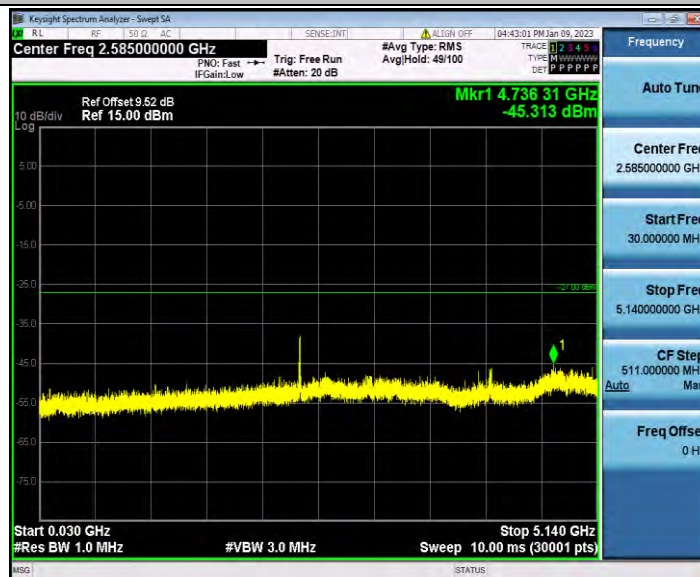
# 11AC20SISO\_Ant1\_5180\_30~5140



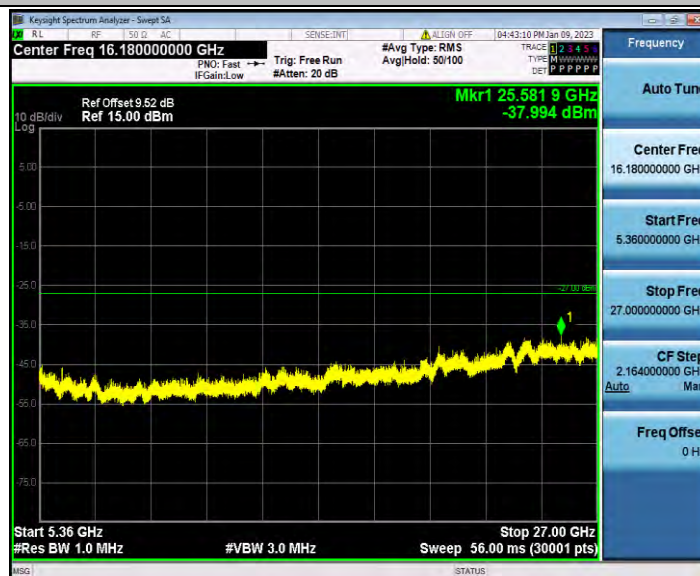
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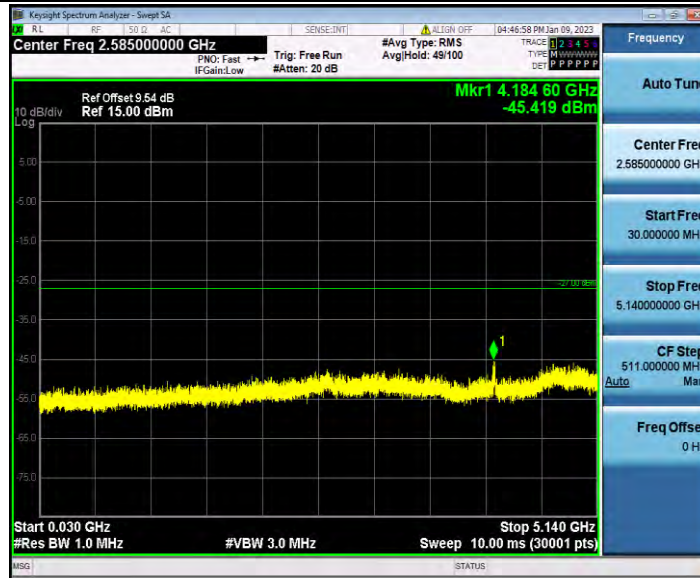
11AC20SISO\_Ant1\_5200\_30~5140



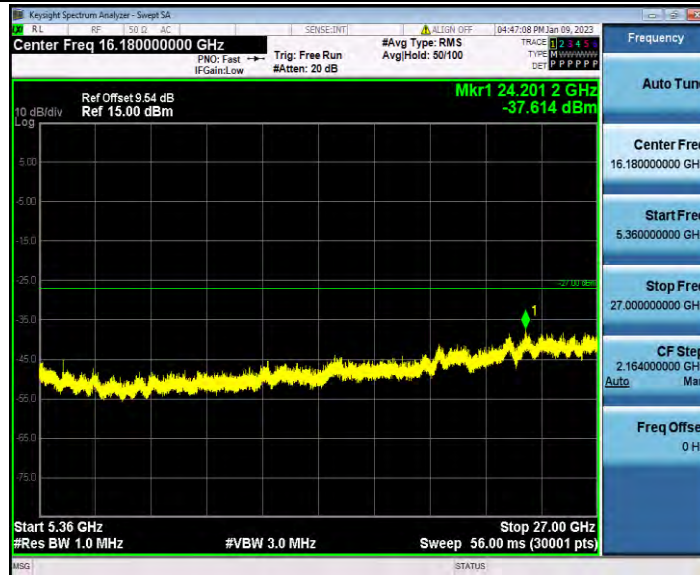
11AC20SISO\_Ant1\_5200\_5360~40000



# 11AC20SISO\_Ant1\_5240\_30~5140



# 11AC20SISO\_Ant1\_5240\_5360~40000



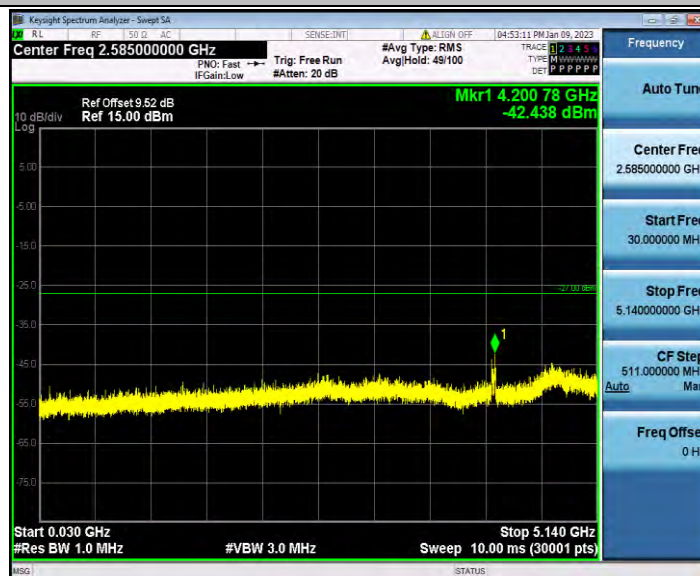
# 11AC40SISO\_Ant1\_5190\_30~5140



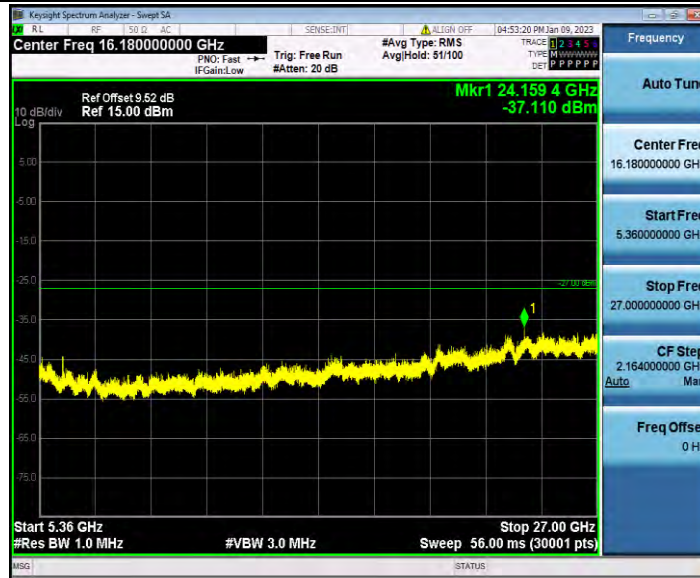
11AC40SISO\_Ant1\_5190\_5360~40000



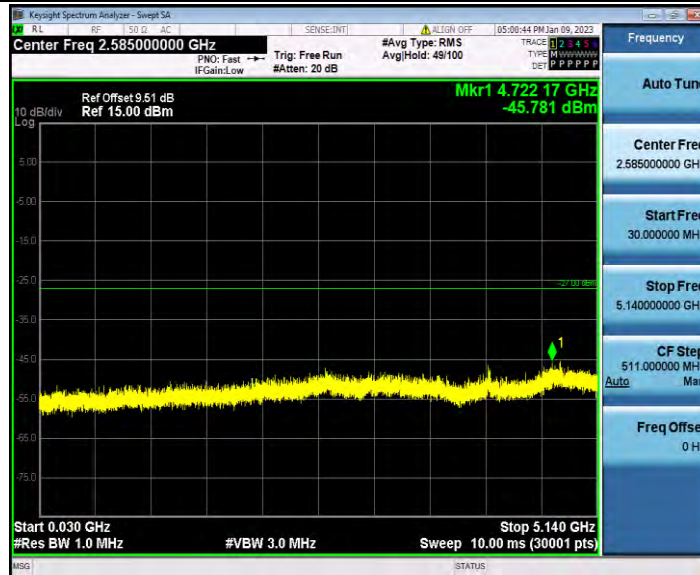
11AC40SISO\_Ant1\_5230\_30~5140



# 11AC40SISO\_Ant1\_5230\_5360~40000



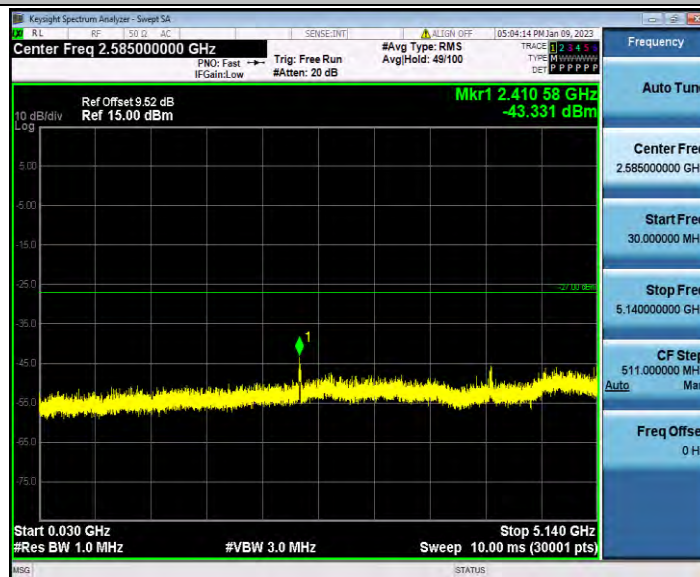
# 11AX20SISO\_Ant1\_5180\_30~5140



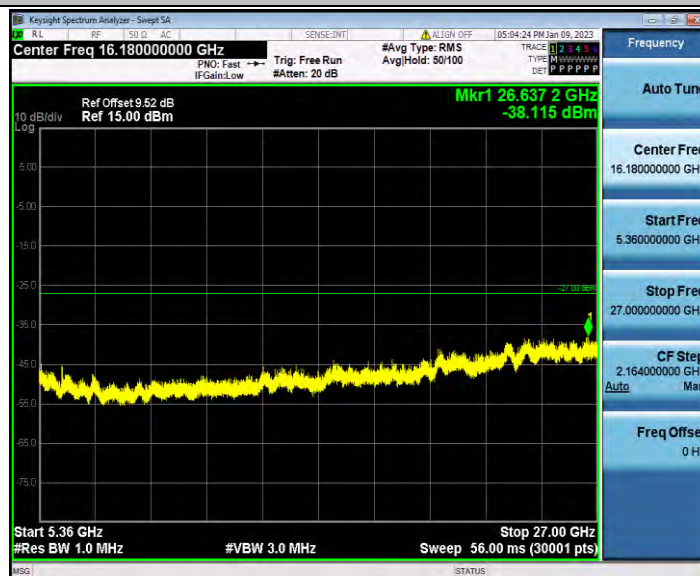
# 11AX20SISO\_Ant1\_5180\_5360~40000



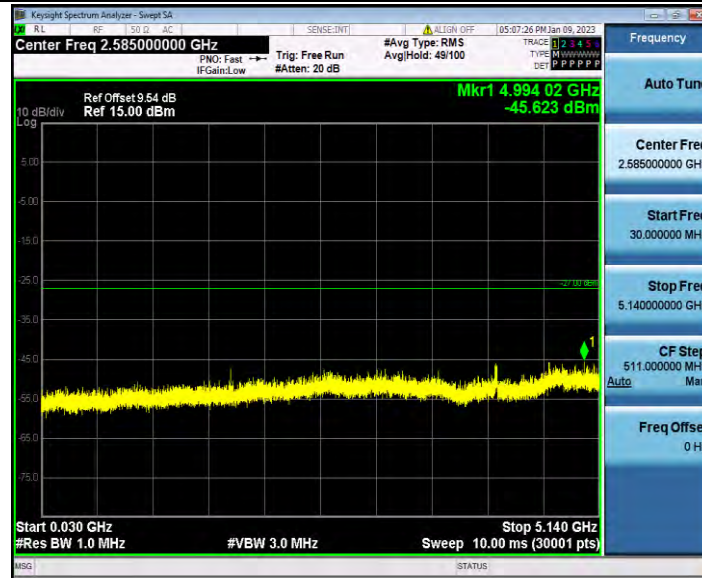
11AX20SISO\_Ant1\_5200\_30~5140



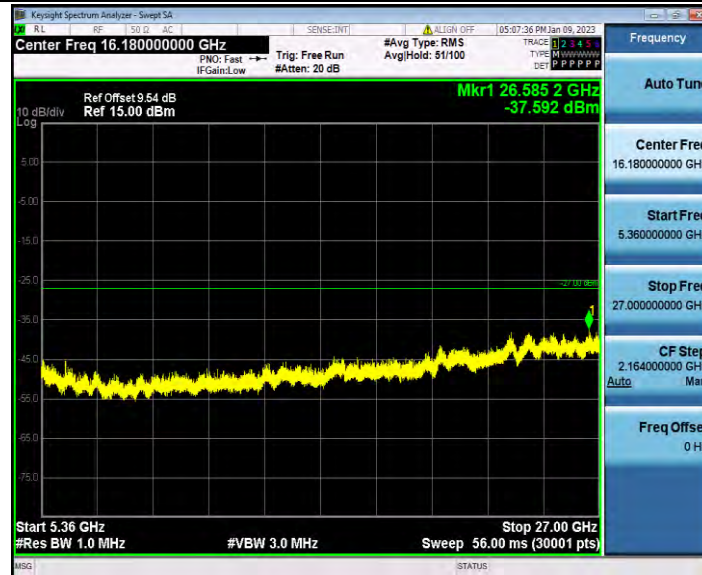
11AX20SISO\_Ant1\_5200\_5360~40000



# 11AX20SISO\_Ant1\_5240\_30~5140



# 11AX20SISO\_Ant1\_5240\_5360~40000



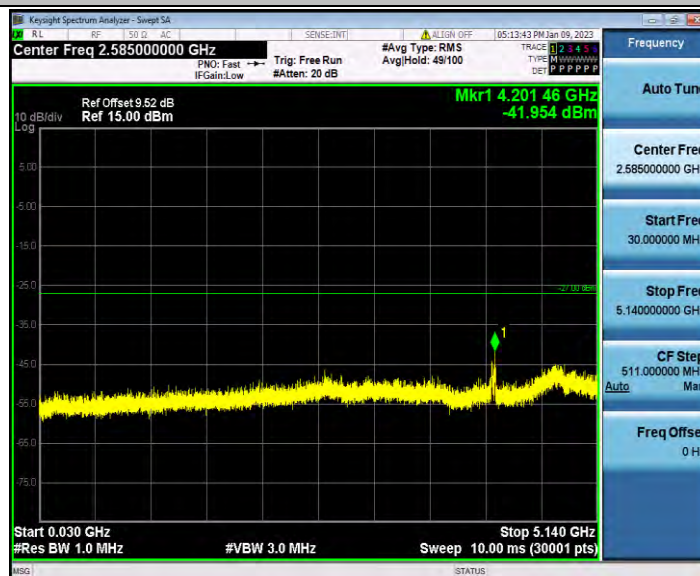
# 11AX40SISO\_Ant1\_5190\_30~5140



11AX40SISO\_Ant1\_5190\_5360~40000



11AX40SISO\_Ant1\_5230\_30~5140



# 11AX40SISO\_Ant1\_5230\_5360~40000

