

## 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            | 11.93               | 98.88          | 0.05            | 11.98        | ≤23.98      | PASS    |
|            |         | 5200            | 12.32               | 98.88          | 0.05            | 12.37        | ≤23.98      | PASS    |
|            |         | 5240            | 11.84               | 99.00          | 0.04            | 11.88        | ≤23.98      | PASS    |
| 11N20SISO  | Ant1    | 5180            | 12.26               | 98.88          | 0.05            | 12.31        | ≤23.98      | PASS    |
|            |         | 5200            | 12.48               | 99.00          | 0.04            | 12.52        | ≤23.98      | PASS    |
|            |         | 5240            | 11.89               | 98.88          | 0.05            | 11.94        | ≤23.98      | PASS    |
| 11N40SISO  | Ant1    | 5190            | 12.45               | 99.00          | 0.04            | 12.49        | ≤23.98      | PASS    |
|            |         | 5230            | 12.35               | 98.88          | 0.05            | 12.40        | ≤23.98      | PASS    |
| 11AC20SISO | Ant1    | 5180            | 12.05               | 98.88          | 0.05            | 12.10        | ≤23.98      | PASS    |
|            |         | 5200            | 13.52               | 98.88          | 0.05            | 13.57        | ≤23.98      | PASS    |
|            |         | 5240            | 11.90               | 99.00          | 0.04            | 11.94        | ≤23.98      | PASS    |
| 11AC40SISO | Ant1    | 5190            | 12.41               | 99.00          | 0.04            | 12.45        | ≤23.98      | PASS    |
|            |         | 5230            | 12.33               | 98.88          | 0.05            | 12.38        | ≤23.98      | PASS    |
| 11AC80SISO | Ant1    | 5210            | 12.54               | 98.88          | 0.05            | 12.59        | ≤23.98      | PASS    |
| 11AX20SISO | Ant1    | 5180            | 8.82                | 87.88          | 0.56            | 9.38         | ≤23.98      | PASS    |
|            |         | 5200            | 8.84                | 88.24          | 0.54            | 9.38         | ≤23.98      | PASS    |
|            |         | 5240            | 8.94                | 87.88          | 0.56            | 9.50         | ≤23.98      | PASS    |
| 11AX40SISO | Ant1    | 5190            | 8.48                | 88.24          | 0.54            | 9.02         | ≤23.98      | PASS    |
|            |         | 5230            | 8.60                | 87.88          | 0.56            | 9.16         | ≤23.98      | PASS    |
| 11AX80SISO | Ant1    | 5210            | 8.53                | 88.24          | 0.54            | 9.07         | ≤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           | 4.01             | ≤11.00         | PASS    |
|            |         | 5200           | 3.7              | ≤11.00         | PASS    |
|            |         | 5240           | 2.74             | ≤11.00         | PASS    |
| 11N20SISO  | Ant1    | 5180           | 2.72             | ≤11.00         | PASS    |
|            |         | 5200           | 3.04             | ≤11.00         | PASS    |
|            |         | 5240           | 2.03             | ≤11.00         | PASS    |
| 11N40SISO  | Ant1    | 5190           | -0.29            | ≤11.00         | PASS    |
|            |         | 5230           | -0.41            | ≤11.00         | PASS    |
| 11AC20SISO | Ant1    | 5180           | 2.37             | ≤11.00         | PASS    |
|            |         | 5200           | 3.19             | ≤11.00         | PASS    |
|            |         | 5240           | 2.42             | ≤11.00         | PASS    |
| 11AC40SISO | Ant1    | 5190           | 0.25             | ≤11.00         | PASS    |
|            |         | 5230           | -0.47            | ≤11.00         | PASS    |
| 11AC80SISO | Ant1    | 5210           | -3.03            | ≤11.00         | PASS    |
| 11AX20SISO | Ant1    | 5180           | 5.47             | ≤11.00         | PASS    |
|            |         | 5200           | 7.43             | ≤11.00         | PASS    |
|            |         | 5240           | 6.18             | ≤11.00         | PASS    |
| 11AX40SISO | Ant1    | 5190           | 3.63             | ≤11.00         | PASS    |
|            |         | 5230           | 2.59             | ≤11.00         | PASS    |
| 11AX80SISO | Ant1    | 5210           | 0.01             | ≤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



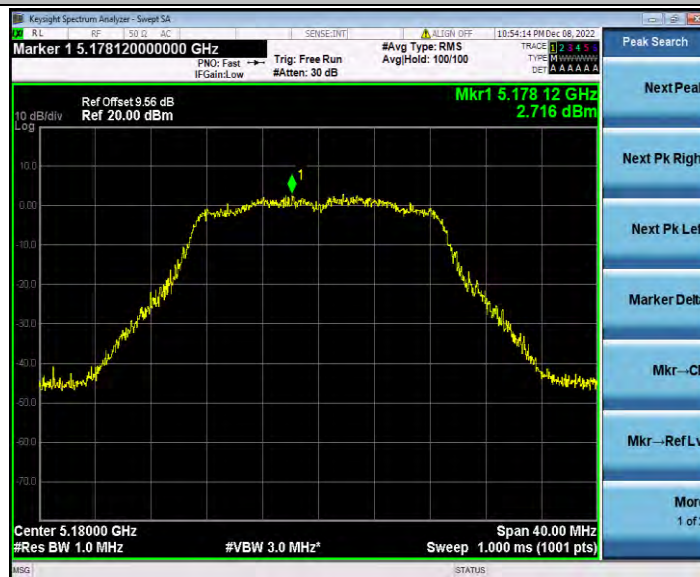
11A\_Ant1\_5200



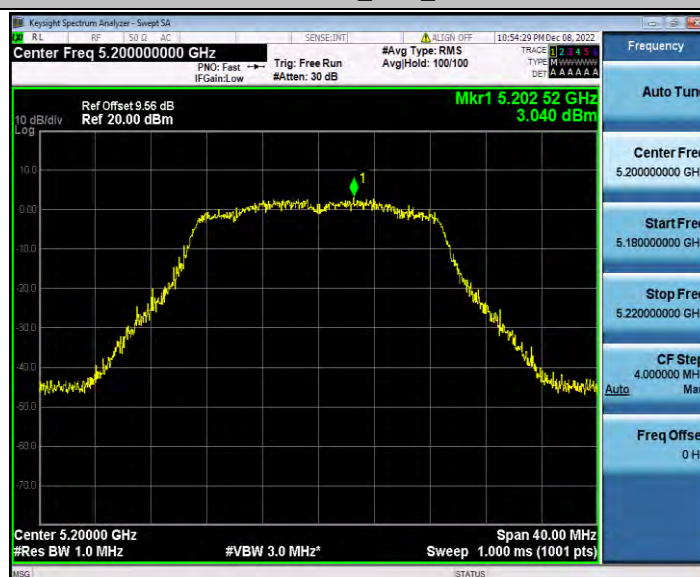
11A\_Ant1\_5240



11N20SISO\_Ant1\_5180



11N20SISO\_Ant1\_5200



11N20SISO\_Ant1\_5240



11N40SISO\_Ant1\_5190



11N40SISO\_Ant1\_5230



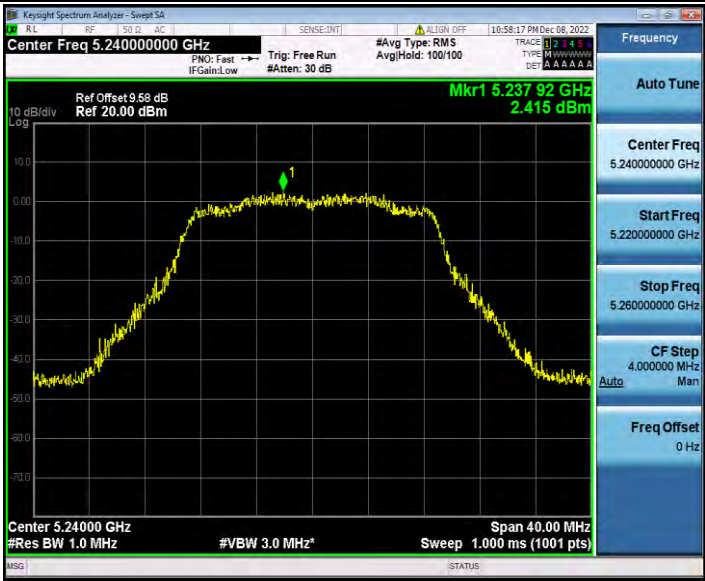
11AC20SISO\_Ant1\_5180



11AC20SISO\_Ant1\_5200



11AC20SISO\_Ant1\_5240



11AC40SISO\_Ant1\_5190



11AC40SISO\_Ant1\_5230



11AC80SISO\_Ant1\_5210



11AX20SISO\_Ant1\_5180



# 11AX20SISO\_Ant1\_5200



# 11AX20SISO\_Ant1\_5240



# 11AX40SISO\_Ant1\_5190



11AX40SISO\_Ant1\_5230



11AX80SISO\_Ant1\_5210



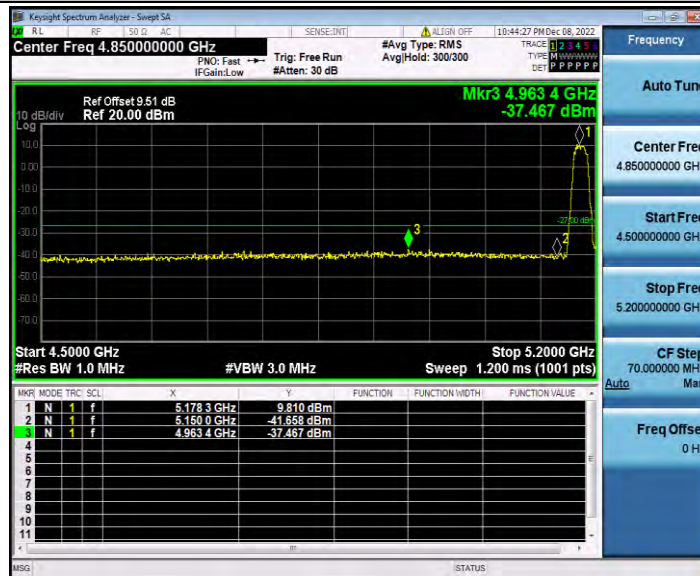
## Appendix D.6: Band edge measurements

### Test Result B1

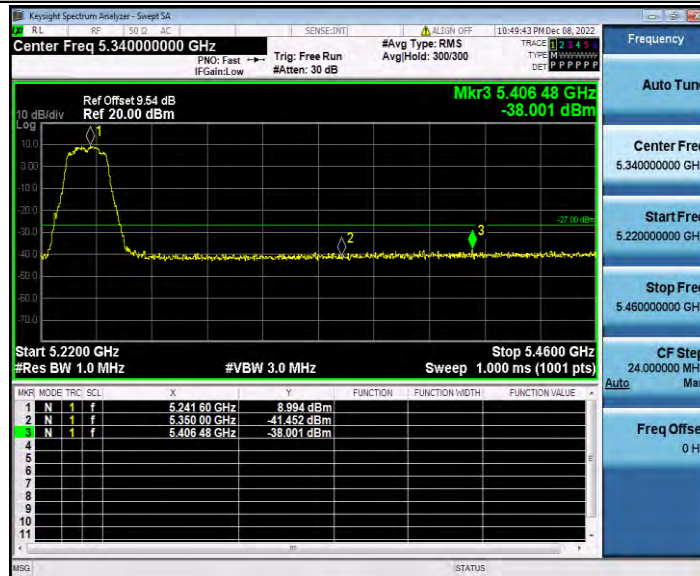
| TestMode   | Antenna | ChName | Frequency[MHz] | Result[dBm] | Limit[dBm] | Verdict |
|------------|---------|--------|----------------|-------------|------------|---------|
| 11A        | Ant1    | Low    | 5180           | -37.47      | ≤-27       | PASS    |
|            |         | High   | 5240           | -38         | ≤-27       | PASS    |
| 11N20SISO  | Ant1    | Low    | 5180           | -37.8       | ≤-27       | PASS    |
|            |         | High   | 5240           | -37.51      | ≤-27       | PASS    |
| 11N40SISO  | Ant1    | Low    | 5190           | -37.98      | ≤-27       | PASS    |
|            |         | High   | 5230           | -38.74      | ≤-27       | PASS    |
| 11AC20SISO | Ant1    | Low    | 5180           | -37.24      | ≤-27       | PASS    |
|            |         | High   | 5240           | -37.87      | ≤-27       | PASS    |
| 11AC40SISO | Ant1    | Low    | 5190           | -37.28      | ≤-27       | PASS    |
|            |         | High   | 5230           | -37.44      | ≤-27       | PASS    |
| 11AC80SISO | Ant1    | Low    | 5210           | -38.11      | ≤-27       | PASS    |
|            |         | High   | 5210           | -38.01      | ≤-27       | PASS    |
| 11AX20SISO | Ant1    | Low    | 5180           | -37.22      | ≤-27       | PASS    |
|            |         | High   | 5240           | -37.19      | ≤-27       | PASS    |
| 11AX40SISO | Ant1    | Low    | 5190           | -37.05      | ≤-27       | PASS    |
|            |         | High   | 5230           | -37.76      | ≤-27       | PASS    |
| 11AX80SISO | Ant1    | Low    | 5210           | -37.32      | ≤-27       | PASS    |
|            |         | High   | 5210           | -38.23      | ≤-27       | PASS    |

## Test Graphs B1

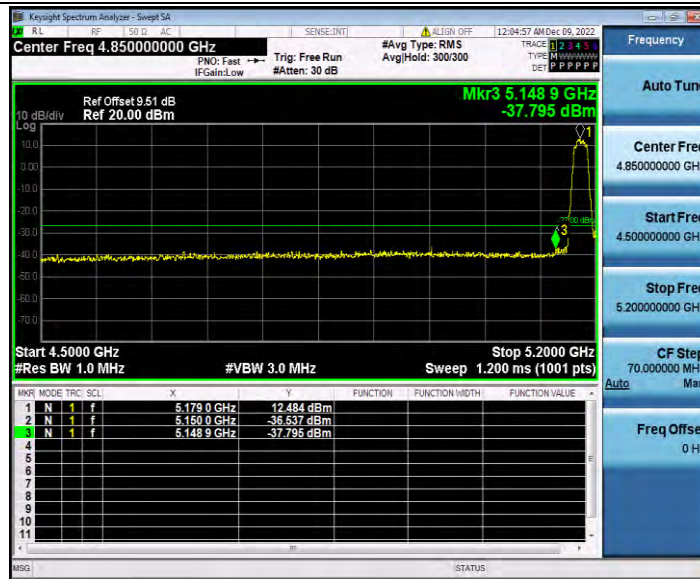
11A\_Ant1\_Low\_5180



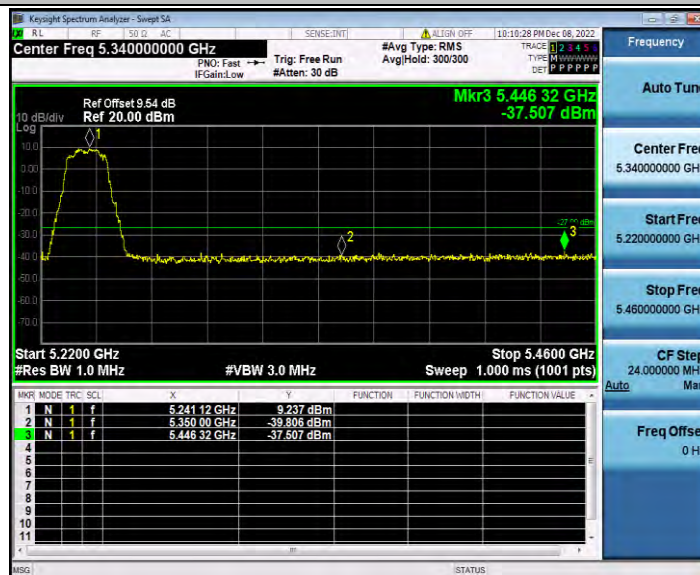
11A\_Ant1\_High\_5240



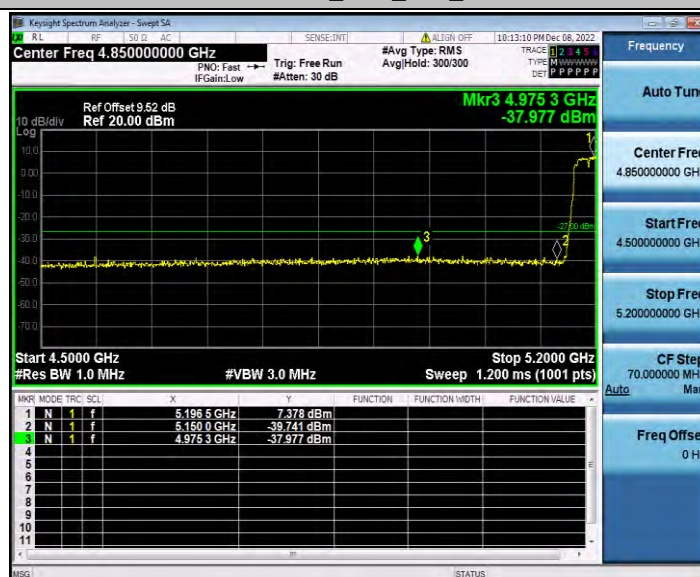
11N20SISO\_Ant1\_Low\_5180



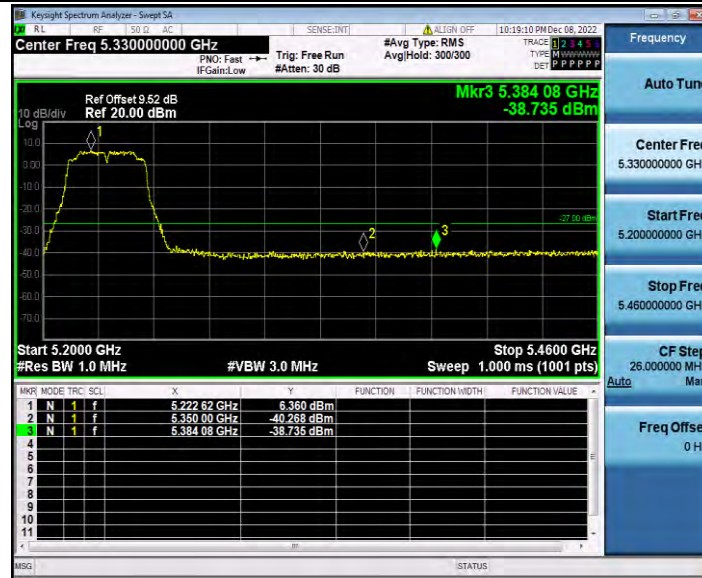
11N20SISO\_Ant1\_High\_5240



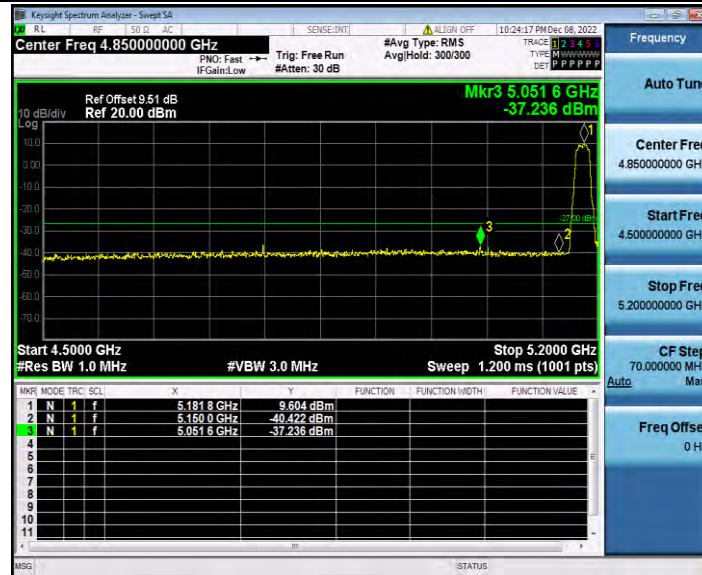
11N40SISO\_Ant1\_Low\_5190



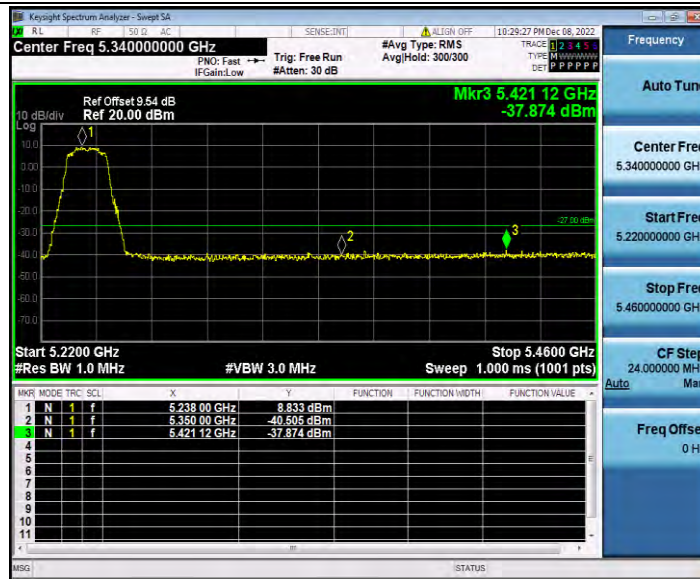
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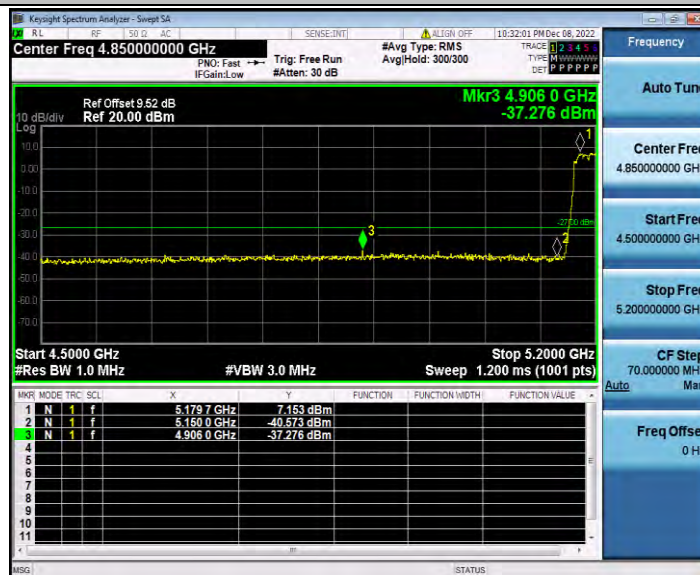
# 11AC20SISO\_Ant1\_Low\_5180



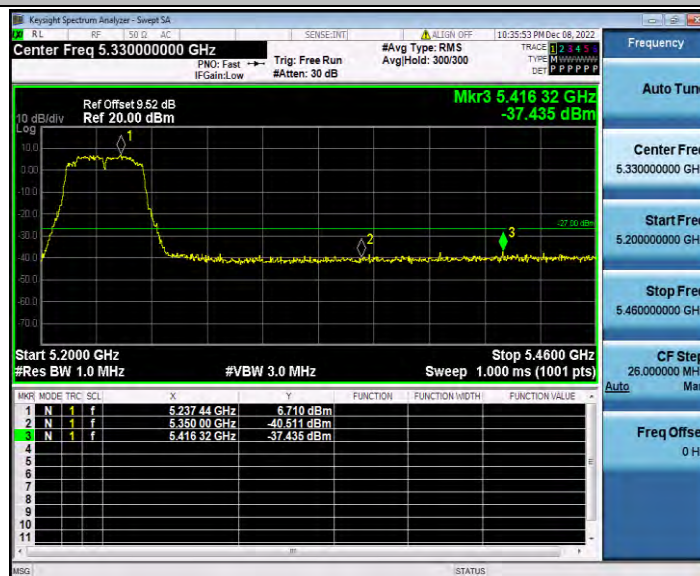
# 11AC20SISO\_Ant1\_High\_5240



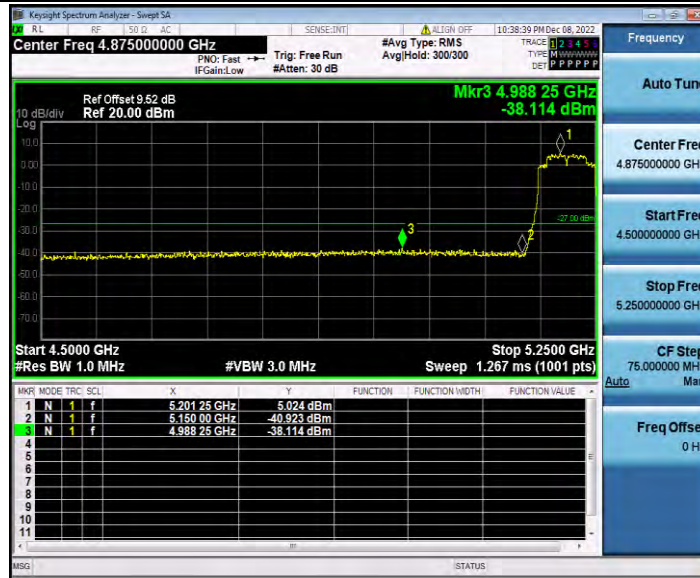
11AC40SISO\_Ant1\_Low\_5190



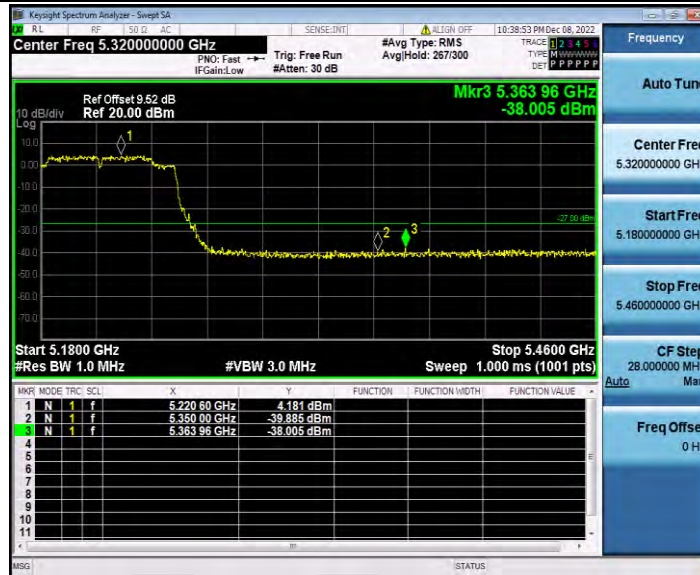
11AC40SISO\_Ant1\_High\_5230



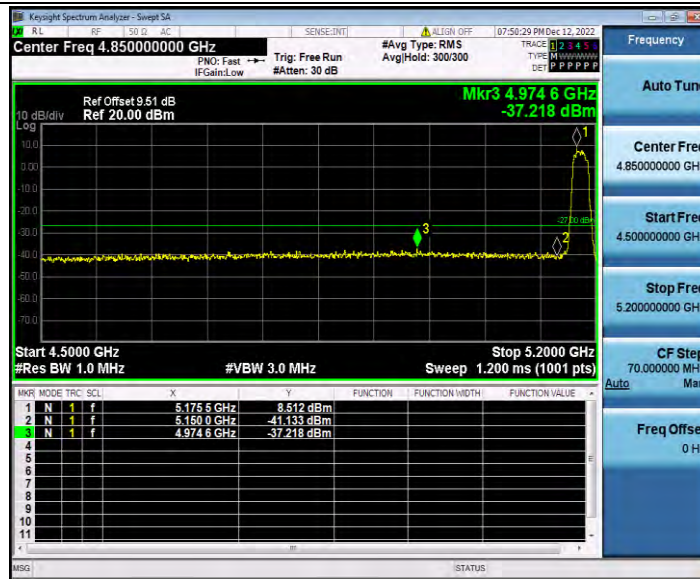
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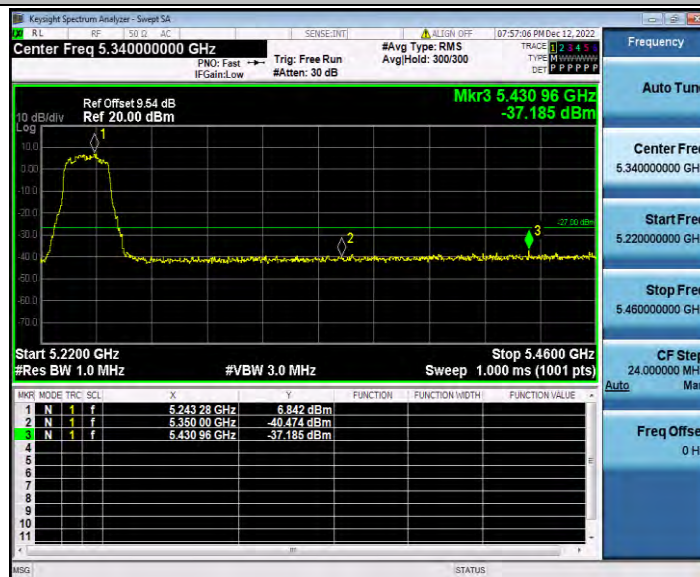
# 11AC80SISO\_Ant1\_High\_5210



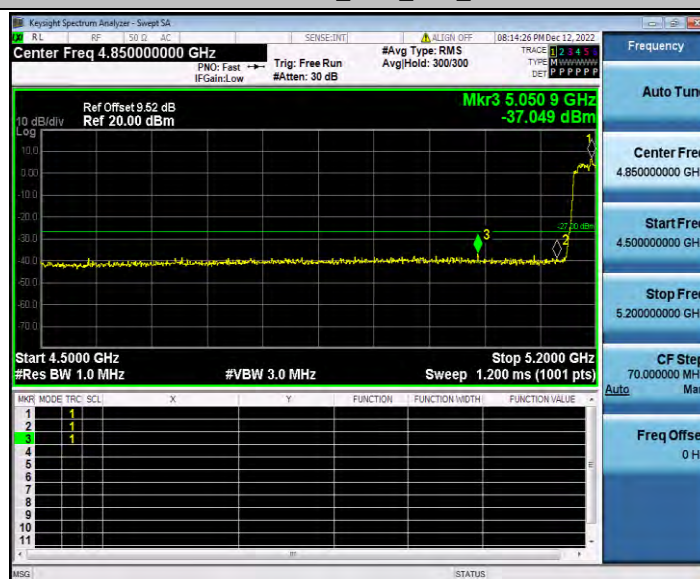
# 11AX20SISO\_Ant1\_Low\_5180



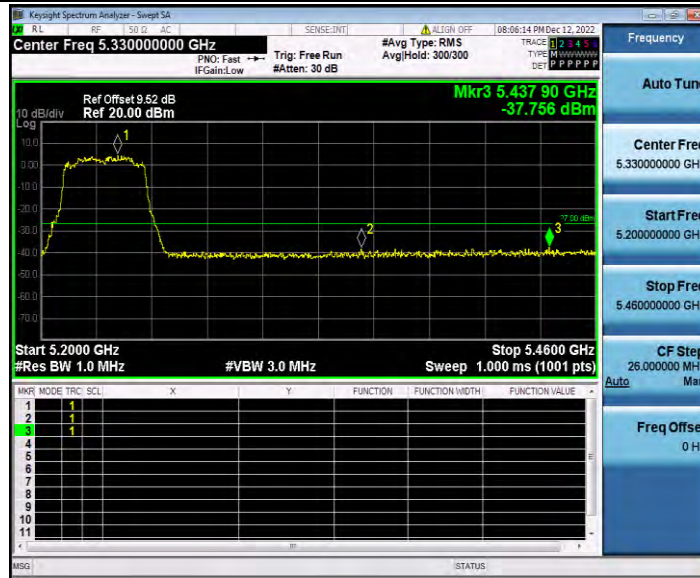
11AX20SISO\_Ant1\_High\_5240



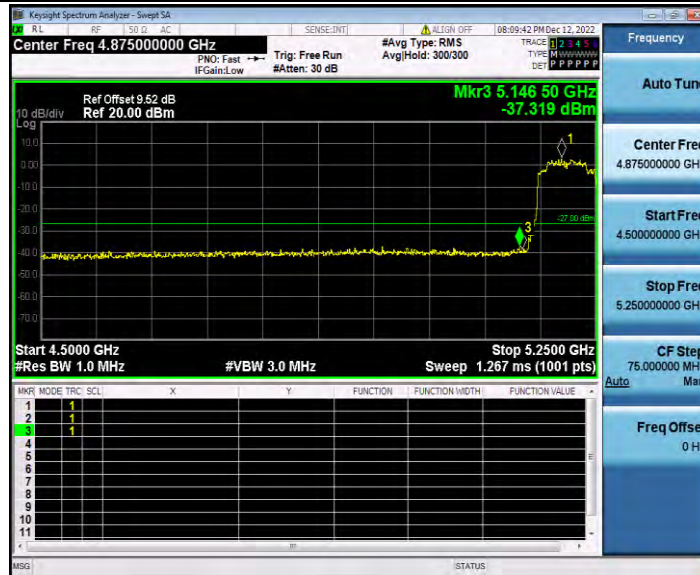
11AX40SISO\_Ant1\_Low\_5190



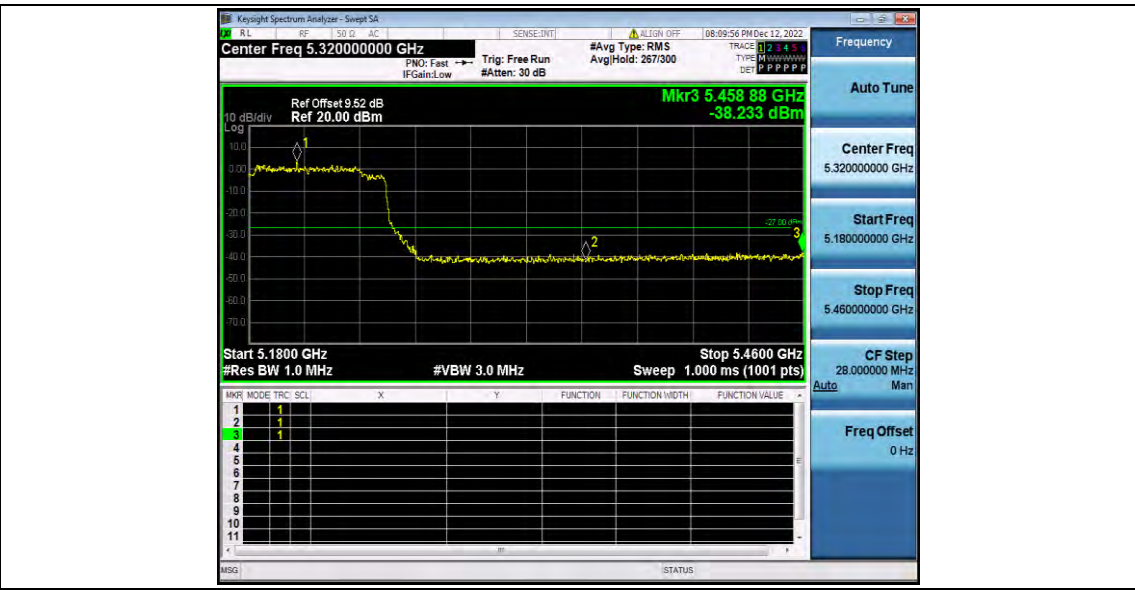
# 11AX40SISO\_Ant1\_High\_5230



# 11AX80SISO\_Ant1\_Low\_5210



# 11AX80SISO\_Ant1\_High\_5210



## 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         | 5139.15        | -46.49           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 26933.64       | -38.08           | ≤-27        | PASS    |
|            |         | 5200           | 30~5140         | 5014.46        | -47.14           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 26956.72       | -38.28           | ≤-27        | PASS    |
|            |         | 5240           | 30~5140         | 1737.93        | -39.85           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 24271.92       | -38.62           | ≤-27        | PASS    |
| 11N20SISO  | Ant1    | 5180           | 30~5140         | 5086.69        | -46.08           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 23485.66       | -38.66           | ≤-27        | PASS    |
|            |         | 5200           | 30~5140         | 3038.77        | -47.06           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 26075.97       | -39              | ≤-27        | PASS    |
|            |         | 5240           | 30~5140         | 2647           | -46.46           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 23536.16       | -38.61           | ≤-27        | PASS    |
| 11N40SISO  | Ant1    | 5190           | 30~5140         | 3045.58        | -46.98           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 23494.32       | -38.43           | ≤-27        | PASS    |
|            |         | 5230           | 30~5140         | 4988.57        | -47.14           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 26639.33       | -38.3            | ≤-27        | PASS    |
| 11AC20SISO | Ant1    | 5180           | 30~5140         | 5008.33        | -46.9            | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 24190.41       | -38.18           | ≤-27        | PASS    |
|            |         | 5200           | 30~5140         | 2658.41        | -45.73           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 24218.54       | -37.71           | ≤-27        | PASS    |
|            |         | 5240           | 30~5140         | 4876.49        | -45.95           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 25036.53       | -38.45           | ≤-27        | PASS    |
| 11AC40SISO | Ant1    | 5190           | 30~5140         | 1747.64        | -42.99           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 26453.23       | -38.65           | ≤-27        | PASS    |
|            |         | 5230           | 30~5140         | 1738.27        | -41              | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 25261.59       | -38.47           | ≤-27        | PASS    |
| 11AC80SISO | Ant1    | 5210           | 30~5140         | 1738.44        | -41.34           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 24810.75       | -38.62           | ≤-27        | PASS    |
| 11AX20SISO | Ant1    | 5180           | 30~5140         | 1744.58        | -41.18           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 24195.46       | -37.7            | ≤-27        | PASS    |
|            |         | 5200           | 30~5140         | 2521.81        | -46.48           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 26052.89       | -38.37           | ≤-27        | PASS    |
|            |         | 5240           | 30~5140         | 5033.88        | -46.84           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 24170.21       | -38.42           | ≤-27        | PASS    |
| 11AX40SISO | Ant1    | 5190           | 30~5140         | 5128.42        | -46.51           | ≤-27        | PASS    |

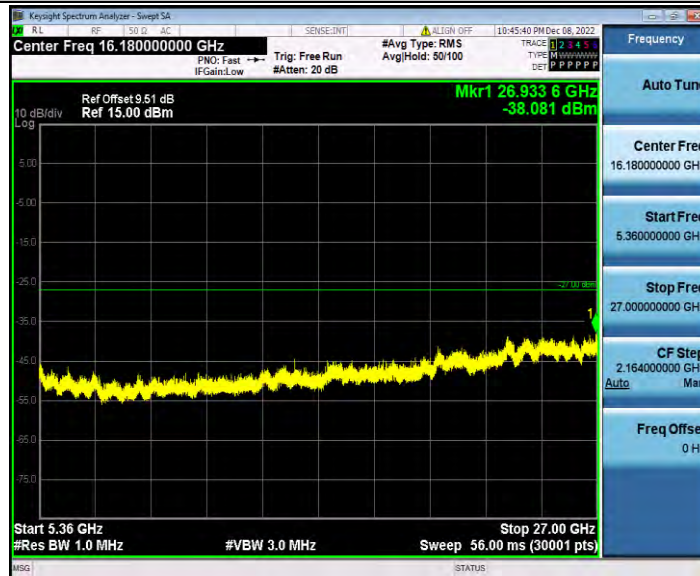
|            |      |      |            |          |        |      |      |
|------------|------|------|------------|----------|--------|------|------|
|            |      |      | 5360~40000 | 24764.59 | -37.88 | ≤-27 | PASS |
|            |      | 5230 | 30~5140    | 4996.07  | -46.74 | ≤-27 | PASS |
|            |      |      | 5360~40000 | 23484.94 | -37.83 | ≤-27 | PASS |
| 11AX80SISO | Ant1 | 5210 | 30~5140    | 5138.81  | -42.37 | ≤-27 | PASS |
|            |      |      | 5360~40000 | 26516.71 | -37.87 | ≤-27 | PASS |

## Test Graphs

11A\_Ant1\_5180\_30~5140



11A\_Ant1\_5180\_5360~40000



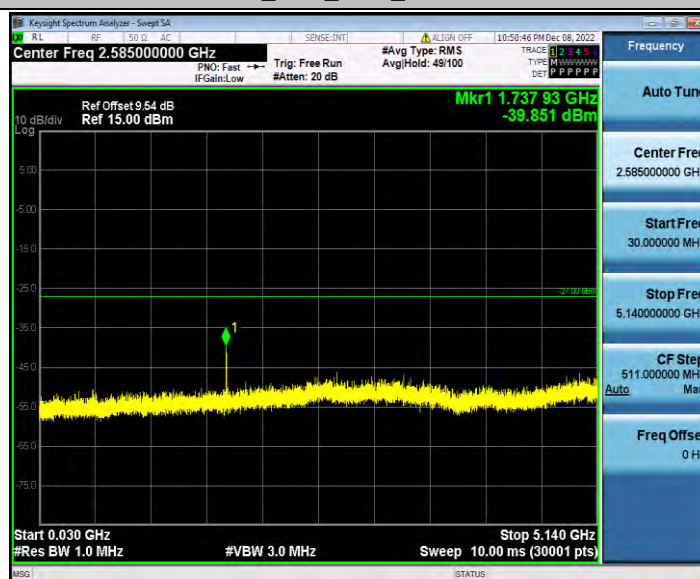
11A\_Ant1\_5200\_30~5140



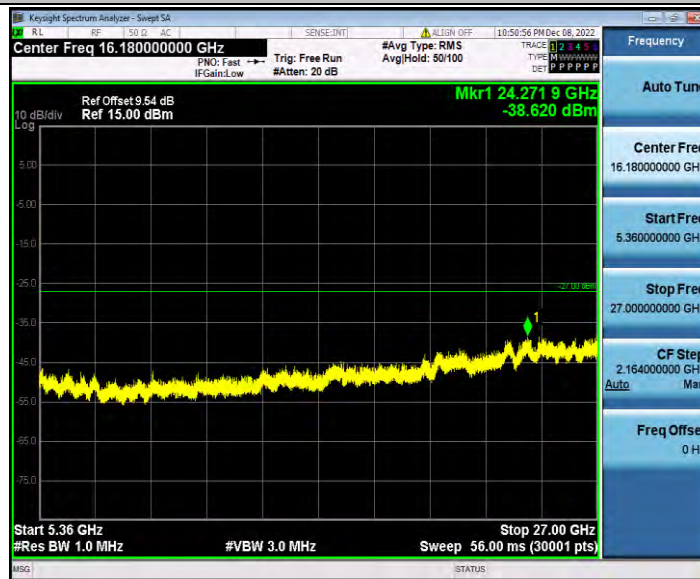
11A\_Ant1\_5200\_5360~40000



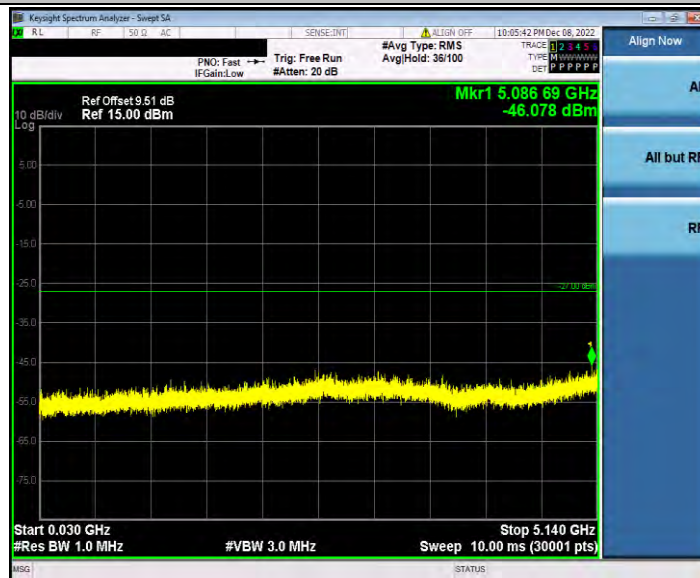
11A\_Ant1\_5240\_30~5140



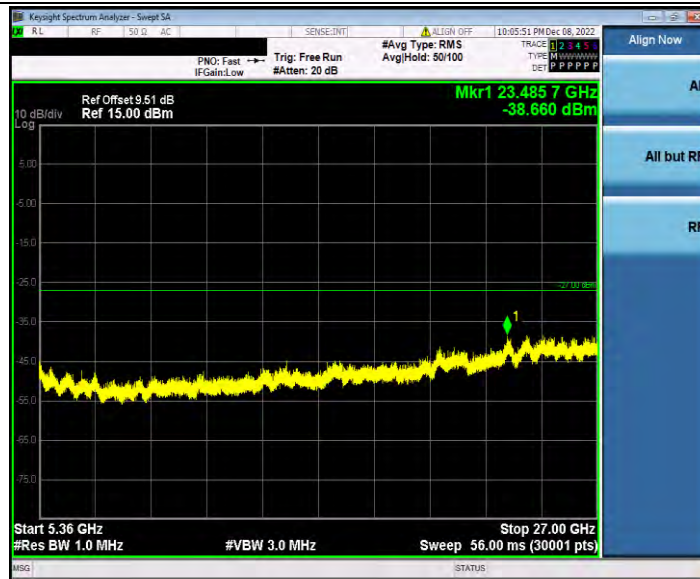
# 11A\_Ant1\_5240\_5360~40000



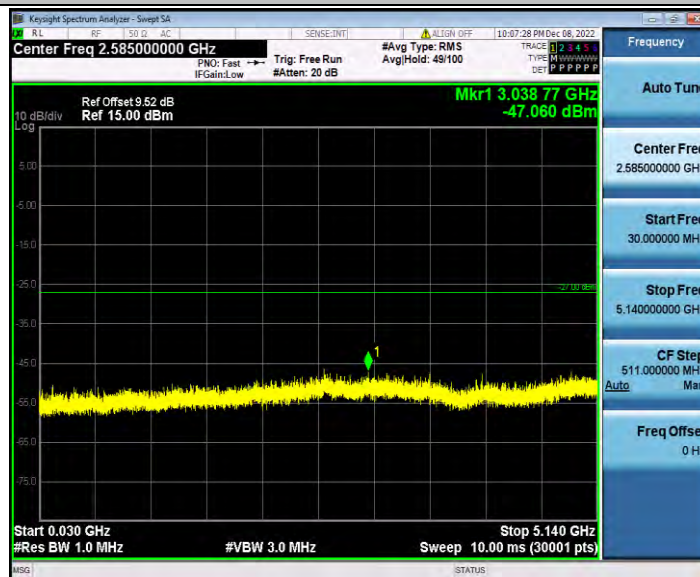
# 11N20SISO\_Ant1\_5180\_30~5140



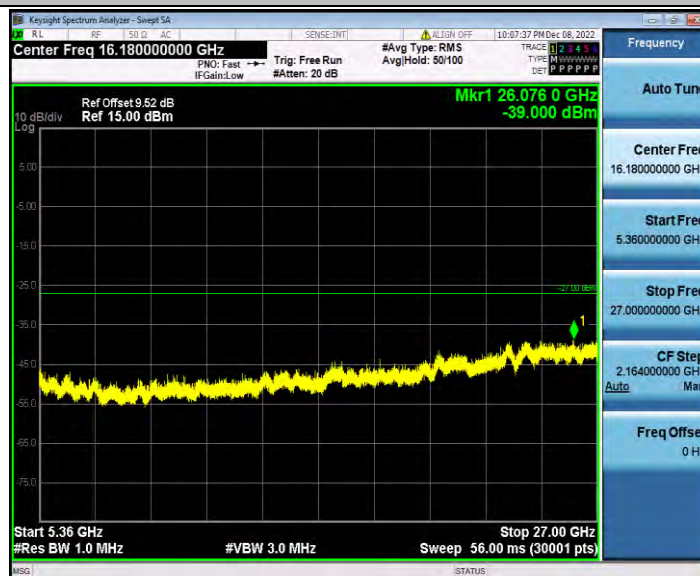
# 11N20SISO\_Ant1\_5180\_5360~40000



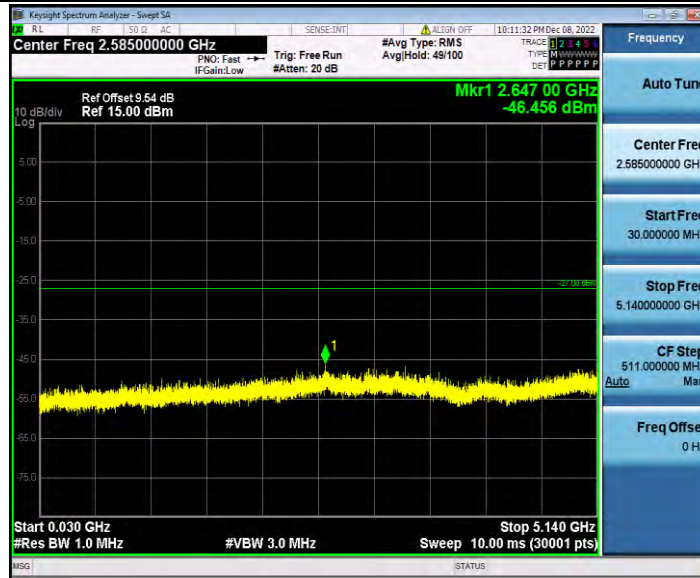
11N20SISO\_Ant1\_5200\_30~5140



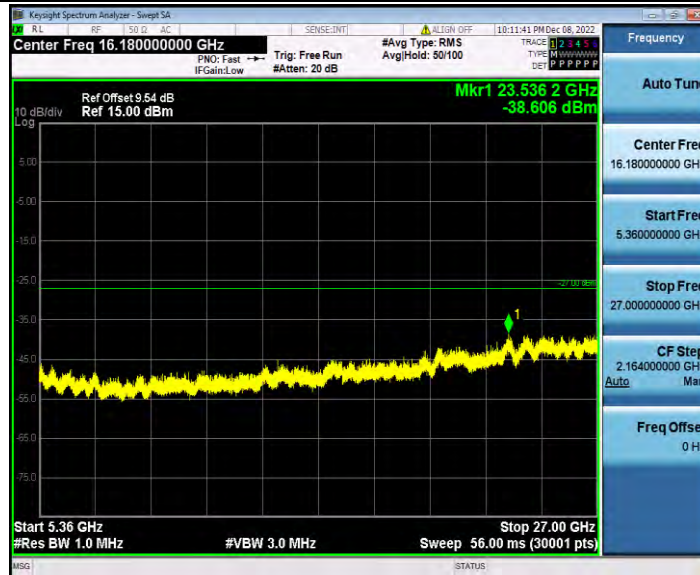
11N20SISO\_Ant1\_5200\_5360~40000



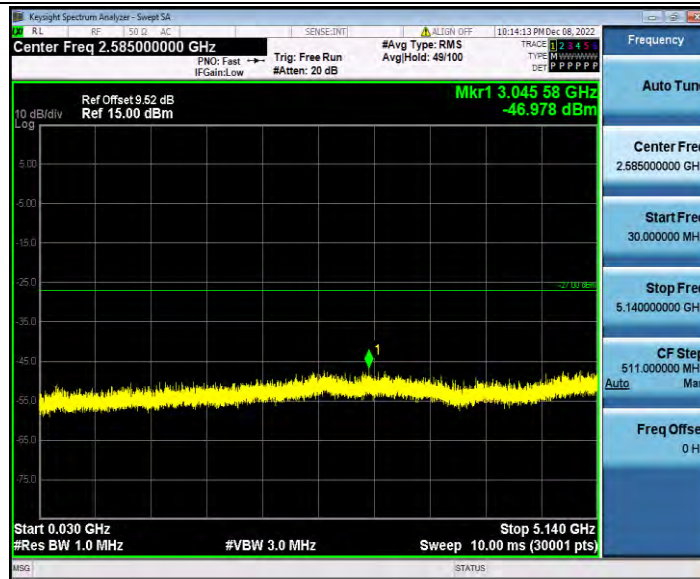
# 11N20SISO\_Ant1\_5240\_30~5140



# 11N20SISO\_Ant1\_5240\_5360~40000



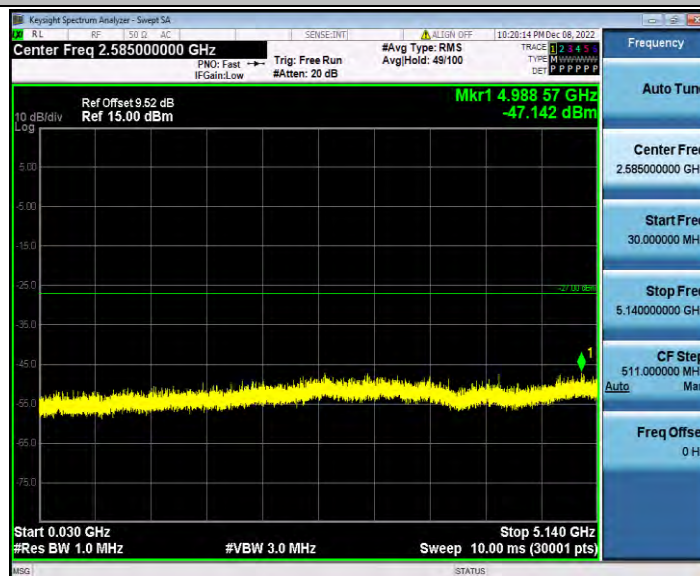
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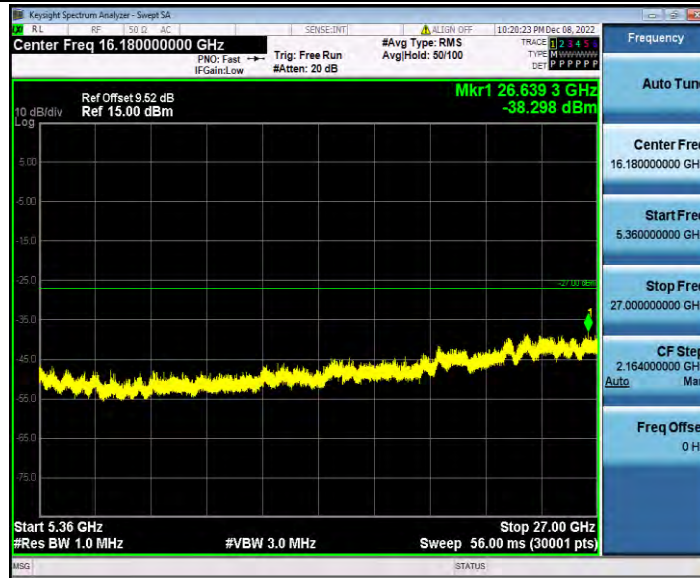
11N40SISO\_Ant1\_5190\_5360~40000



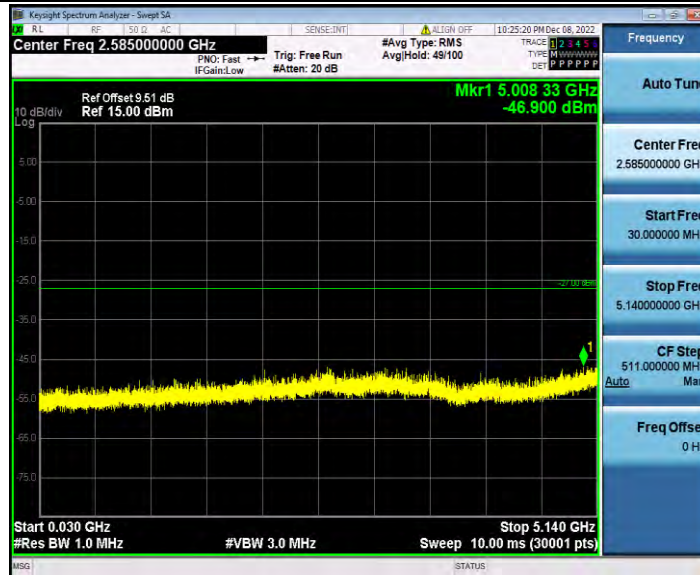
11N40SISO\_Ant1\_5230\_30~5140



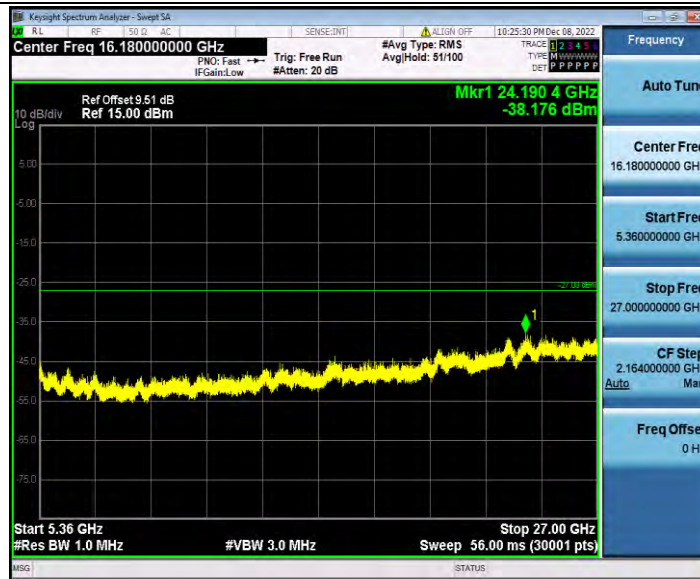
# 11N40SISO\_Ant1\_5230\_5360~40000



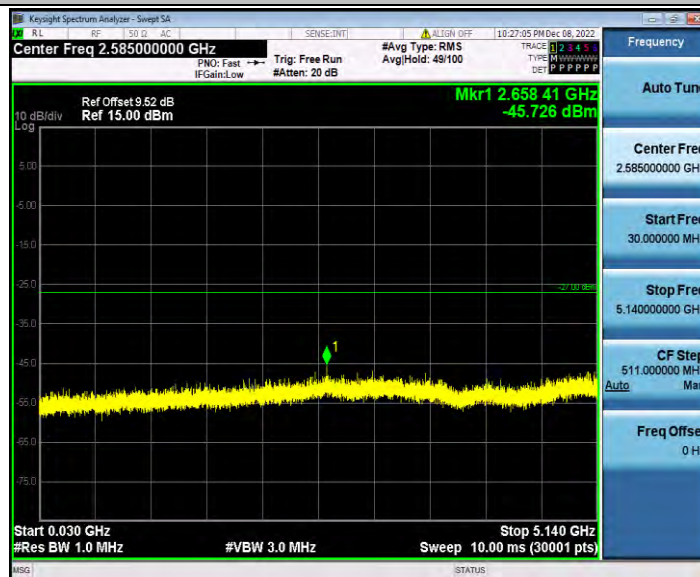
# 11AC20SISO\_Ant1\_5180\_30~5140



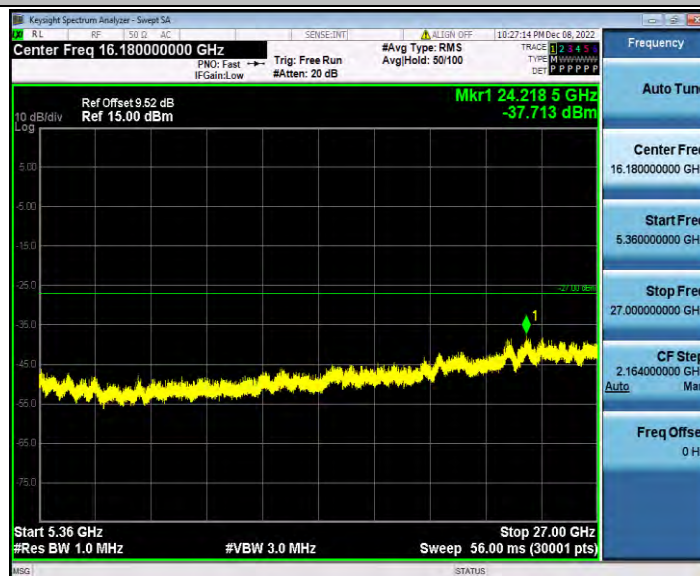
# 11AC20SISO\_Ant1\_5180\_5360~40000



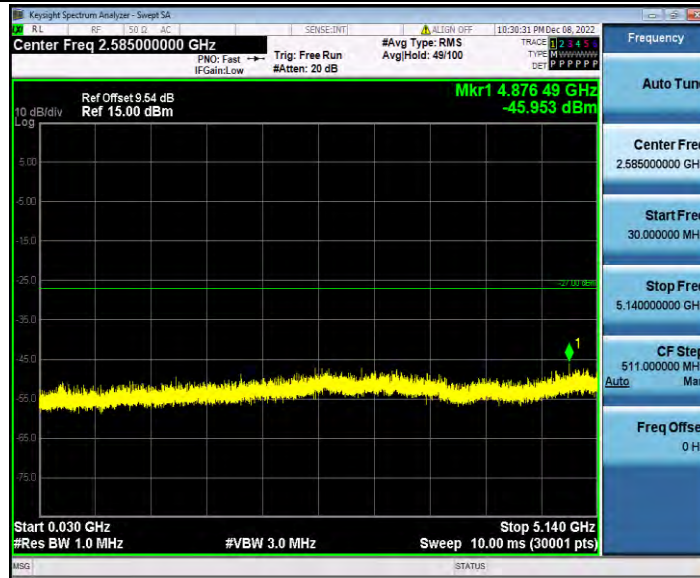
11AC20SISO\_Ant1\_5200\_30~5140



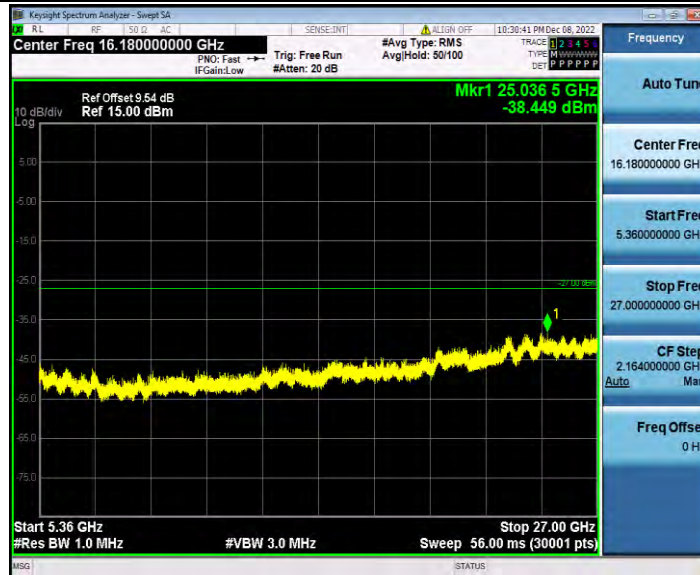
11AC20SISO\_Ant1\_5200\_5360~40000



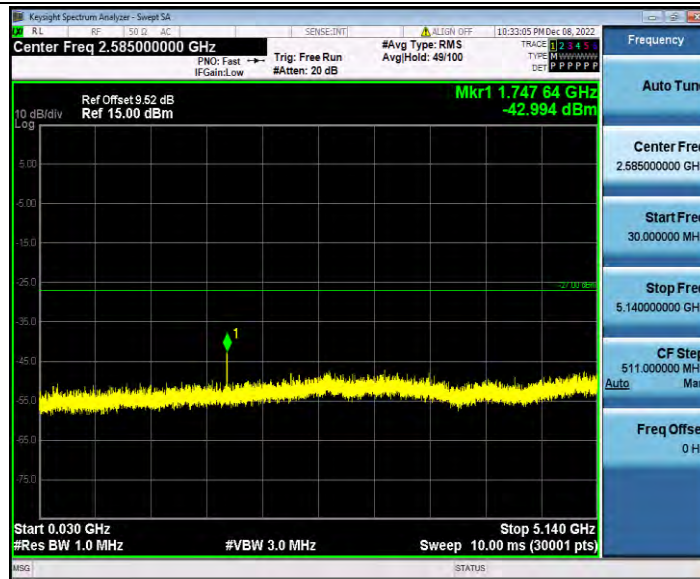
# 11AC20SISO\_Ant1\_5240\_30~5140



# 11AC20SISO\_Ant1\_5240\_5360~40000



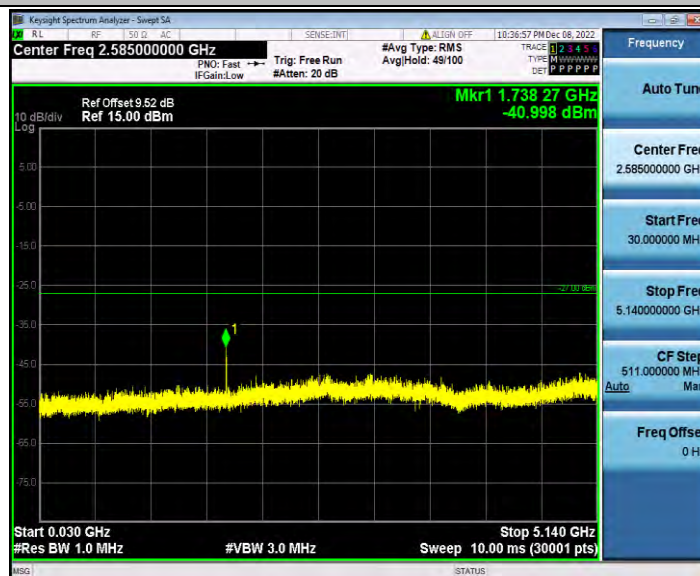
# 11AC40SISO\_Ant1\_5190\_30~5140



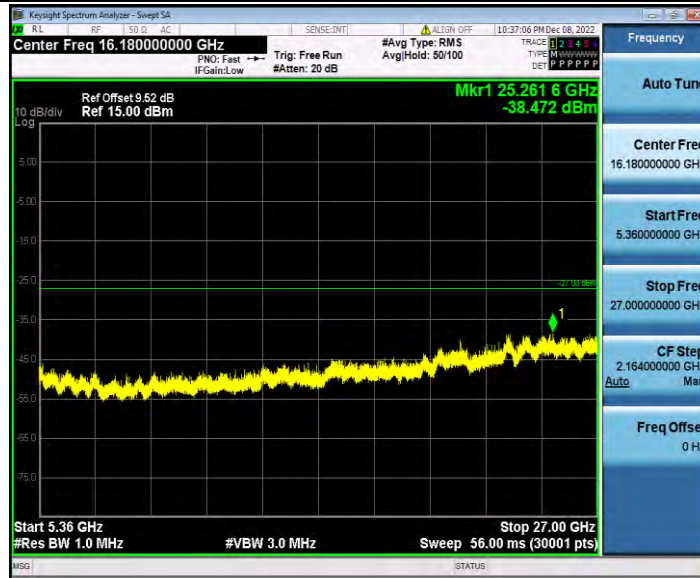
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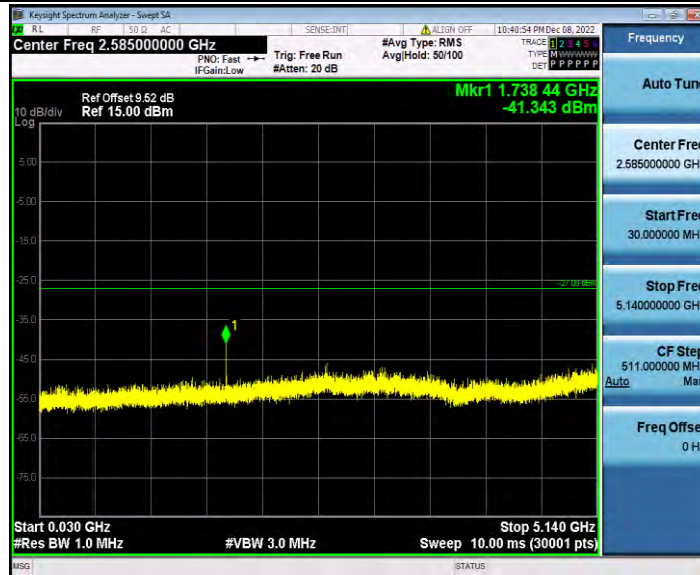
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# 11AC40SISO\_Ant1\_5230\_5360~40000



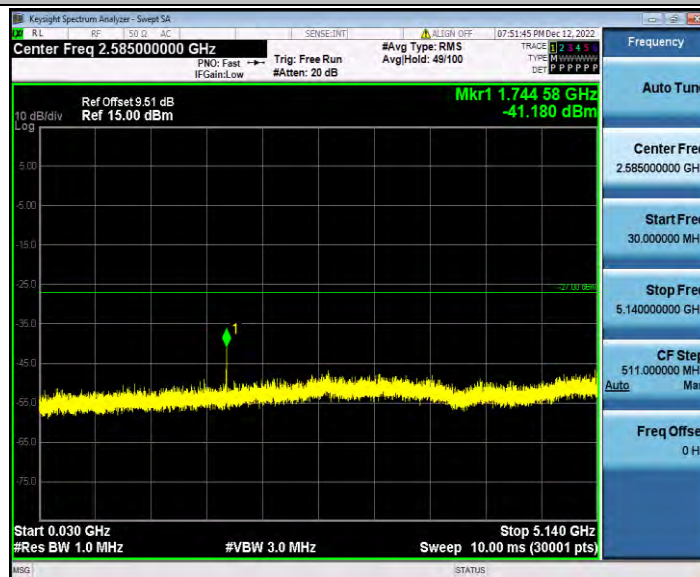
# 11AC80SISO\_Ant1\_5210\_30~5140



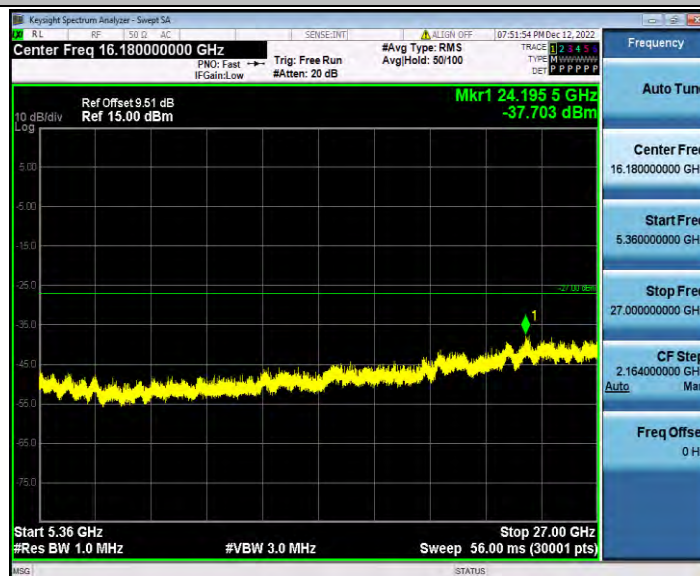
# 11AC80SISO\_Ant1\_5210\_5360~40000



11AX20SISO\_Ant1\_5180\_30~5140



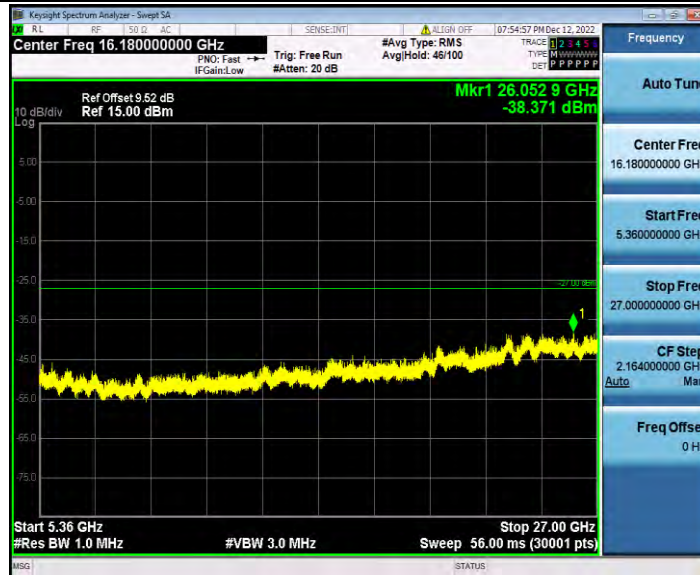
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# 11AX20SISO\_Ant1\_5200\_30~5140



# 11AX20SISO\_Ant1\_5200\_5360~40000



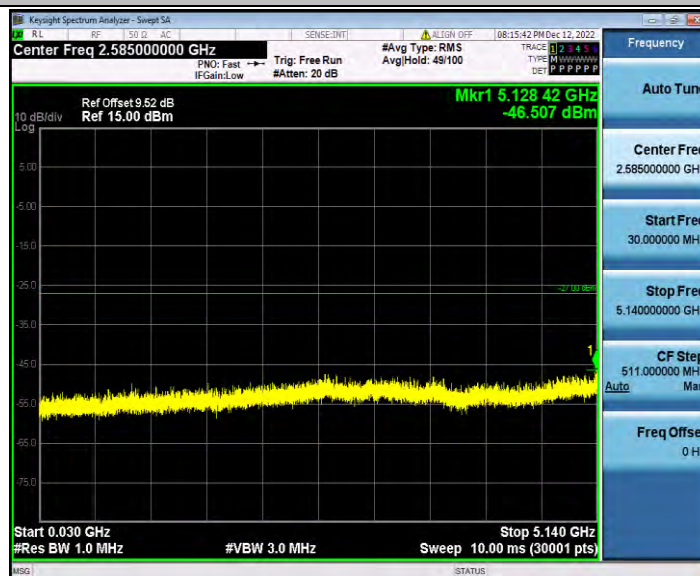
# 11AX20SISO\_Ant1\_5240\_30~5140



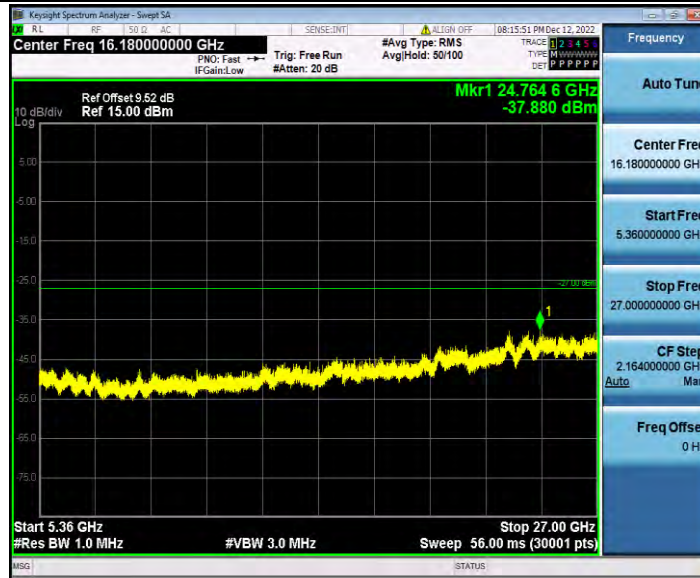
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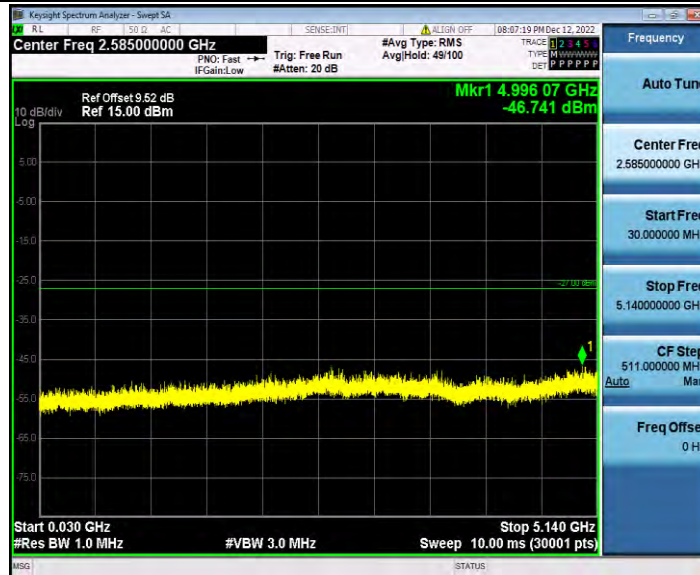
11AX40SISO\_Ant1\_5190\_30~5140



# 11AX40SISO\_Ant1\_5190\_5360~40000



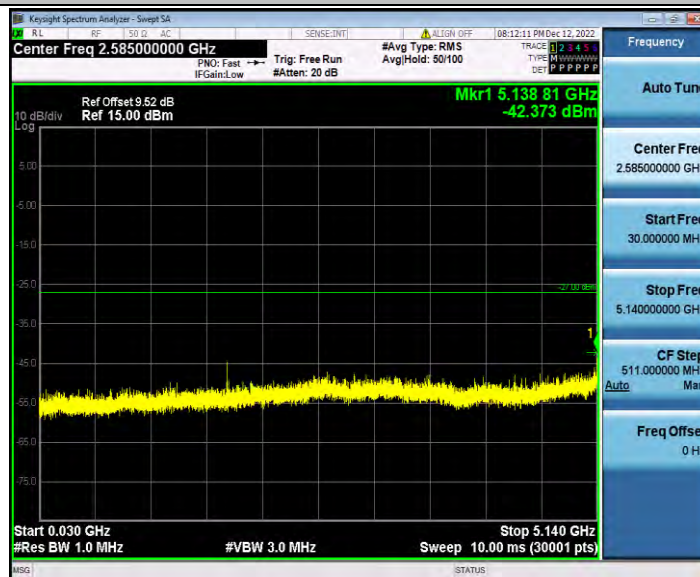
# 11AX40SISO\_Ant1\_5230\_30~5140



# 11AX40SISO\_Ant1\_5230\_5360~40000



11AX80SISO\_Ant1\_5210\_30~5140



11AX80SISO\_Ant1\_5210\_5360~40000

