

|                                   |                           |
|-----------------------------------|---------------------------|
| Case No. : GTS20220506010-1-13    |                           |
| Ambient Condition: 25 °C, 45 %RH, |                           |
| Test Date: 2022-5-14              | Test Engineer: Jenny Zeng |

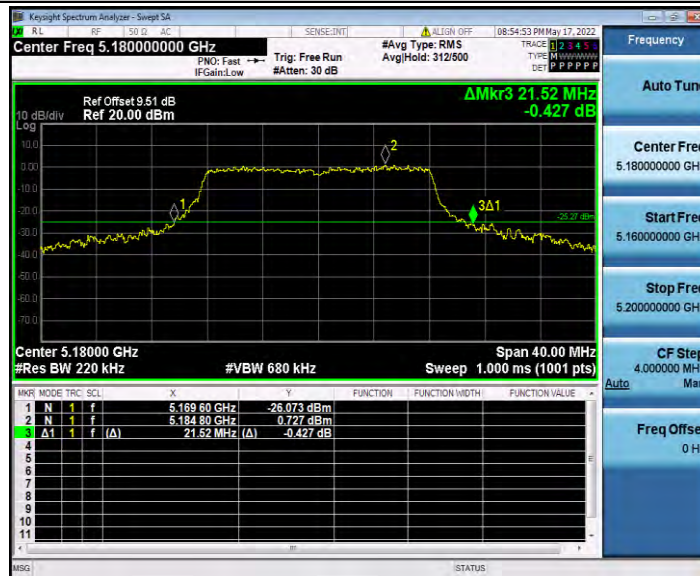
## Appendix D.1: Emission Bandwidth

### Test Result

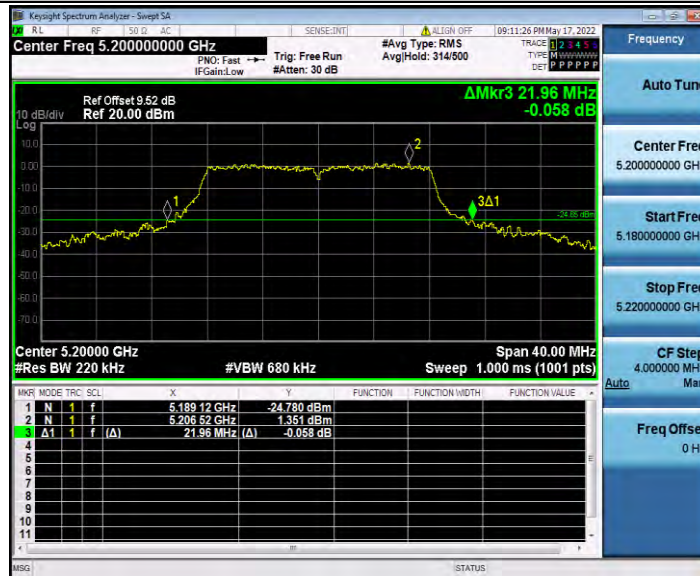
| TestMode   | Antenna | Frequency[MHz] | 26db<br>EBW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|----------------------|----------|----------|------------|---------|
| 11A        | Ant1    | 5180           | 21.520               | 5169.600 | 5191.120 | ---        | ---     |
|            |         | 5200           | 21.960               | 5189.120 | 5211.080 | ---        | ---     |
|            |         | 5240           | 26.280               | 5227.440 | 5253.720 | ---        | ---     |
| 11N20SISO  | Ant1    | 5180           | 25.040               | 5168.760 | 5193.800 | ---        | ---     |
|            |         | 5200           | 28.240               | 5186.720 | 5214.960 | ---        | ---     |
|            |         | 5240           | 26.840               | 5228.080 | 5254.920 | ---        | ---     |
| 11N40SISO  | Ant1    | 5190           | 50.640               | 5166.000 | 5216.640 | ---        | ---     |
|            |         | 5230           | 40.240               | 5209.840 | 5250.080 | ---        | ---     |
| 11AC20SISO | Ant1    | 5180           | 20.080               | 5170.000 | 5190.080 | ---        | ---     |
|            |         | 5200           | 20.320               | 5189.880 | 5210.200 | ---        | ---     |
|            |         | 5240           | 20.320               | 5229.760 | 5250.080 | ---        | ---     |
| 11AC40SISO | Ant1    | 5190           | 39.920               | 5170.080 | 5210.000 | ---        | ---     |
|            |         | 5230           | 40.240               | 5209.840 | 5250.080 | ---        | ---     |
| 11AC80SISO | Ant1    | 5210           | 96.800               | 5163.600 | 5260.400 | ---        | ---     |

## Test Graphs

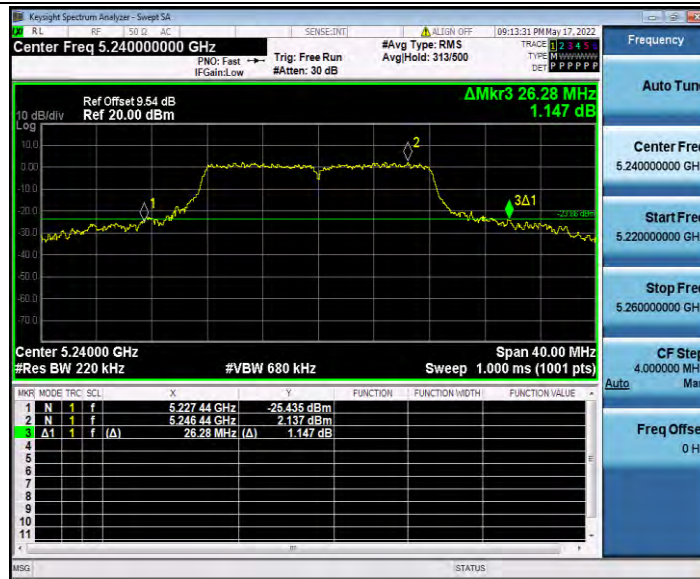
11A\_Ant1\_5180



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



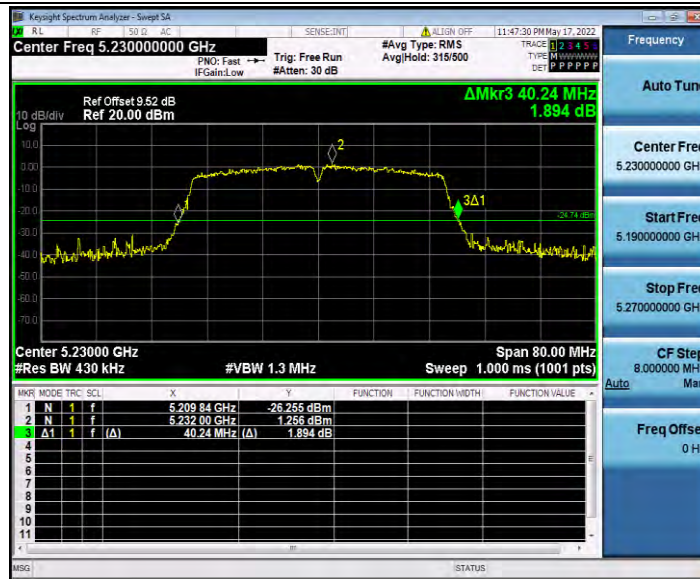
# 11AC20SISO\_Ant1\_5240



# 11AC40SISO\_Ant1\_5190



# 11AC40SISO\_Ant1\_5230



11AC80SISO\_Ant1\_5210



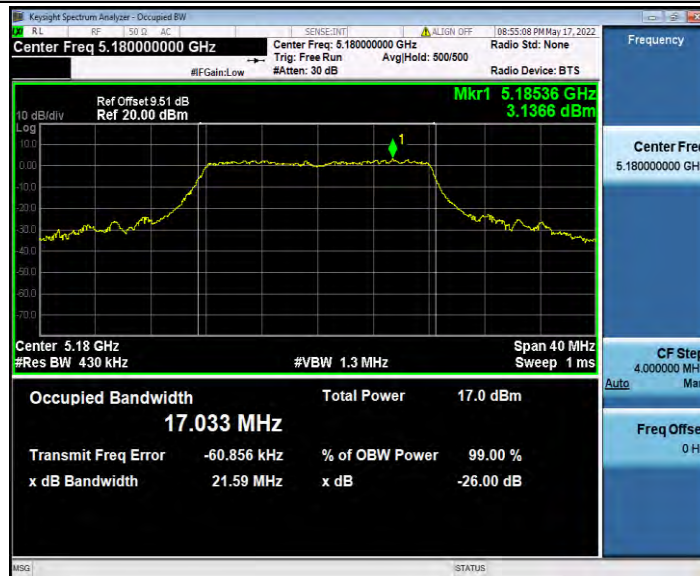
## Appendix D.2: Occupied channel bandwidth

### Test Result

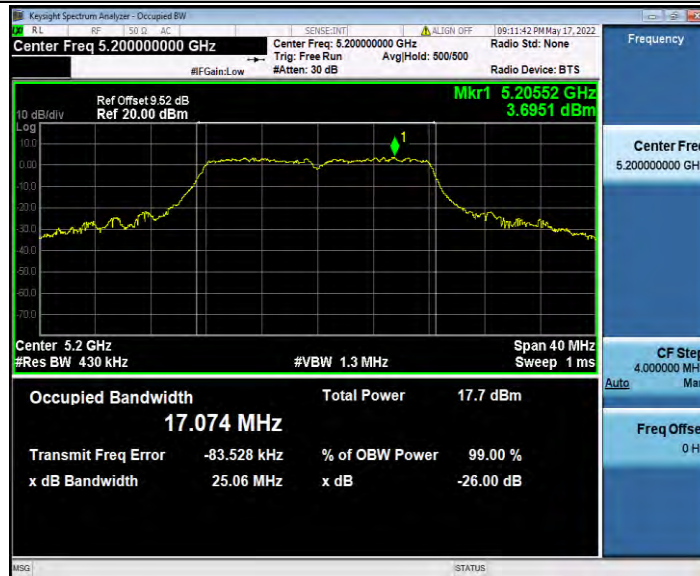
| TestMode   | Antenna | Frequency[MHz] | OCB<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|--------------|----------|----------|------------|---------|
| 11A        | Ant1    | 5180           | 17.033       | 5171.423 | 5188.456 | ---        | ---     |
|            |         | 5200           | 17.074       | 5191.379 | 5208.453 | ---        | ---     |
|            |         | 5240           | 17.223       | 5231.300 | 5248.523 | ---        | ---     |
| 11N20SISO  | Ant1    | 5180           | 18.077       | 5170.975 | 5189.052 | ---        | ---     |
|            |         | 5200           | 18.228       | 5190.902 | 5209.130 | ---        | ---     |
|            |         | 5240           | 18.139       | 5230.933 | 5249.072 | ---        | ---     |
| 11N40SISO  | Ant1    | 5190           | 36.721       | 5171.762 | 5208.483 | ---        | ---     |
|            |         | 5230           | 36.318       | 5211.862 | 5248.180 | ---        | ---     |
| 11AC20SISO | Ant1    | 5180           | 17.806       | 5171.100 | 5188.906 | ---        | ---     |
|            |         | 5200           | 17.832       | 5191.090 | 5208.922 | ---        | ---     |
|            |         | 5240           | 17.879       | 5231.038 | 5248.917 | ---        | ---     |
| 11AC40SISO | Ant1    | 5190           | 36.285       | 5171.865 | 5208.150 | ---        | ---     |
|            |         | 5230           | 36.256       | 5211.891 | 5248.147 | ---        | ---     |
| 11AC80SISO | Ant1    | 5210           | 75.636       | 5172.354 | 5247.990 | ---        | ---     |

## Test Graphs

11A\_Ant1\_5180



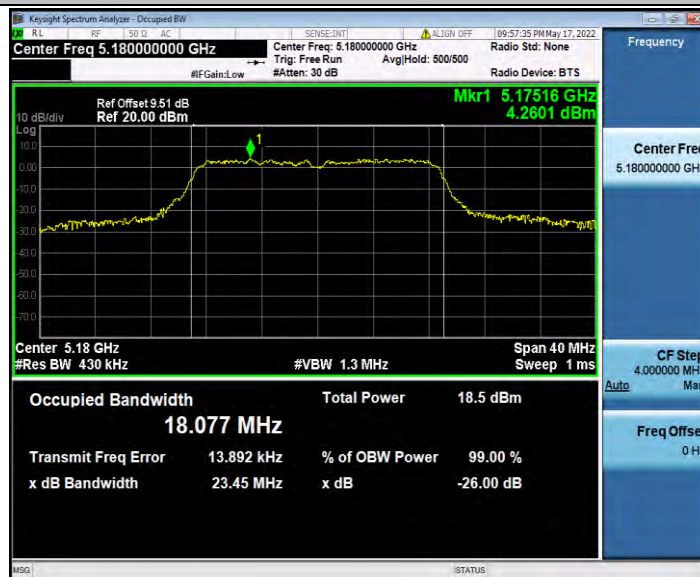
11A\_Ant1\_5200



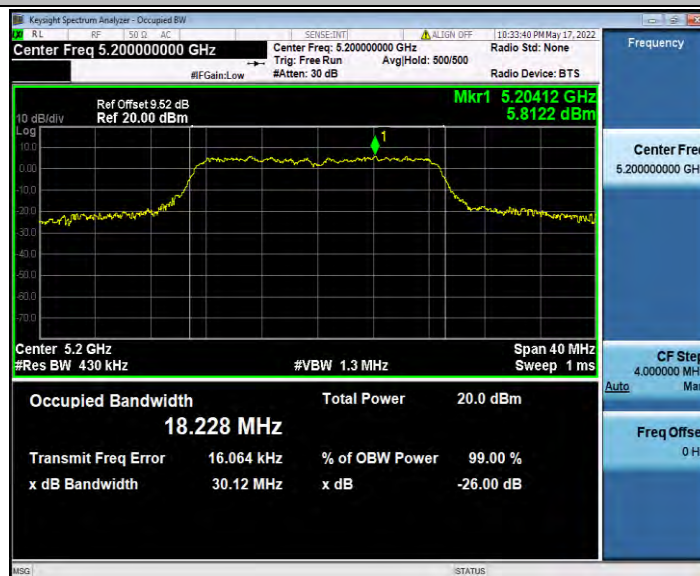
11A\_Ant1\_5240



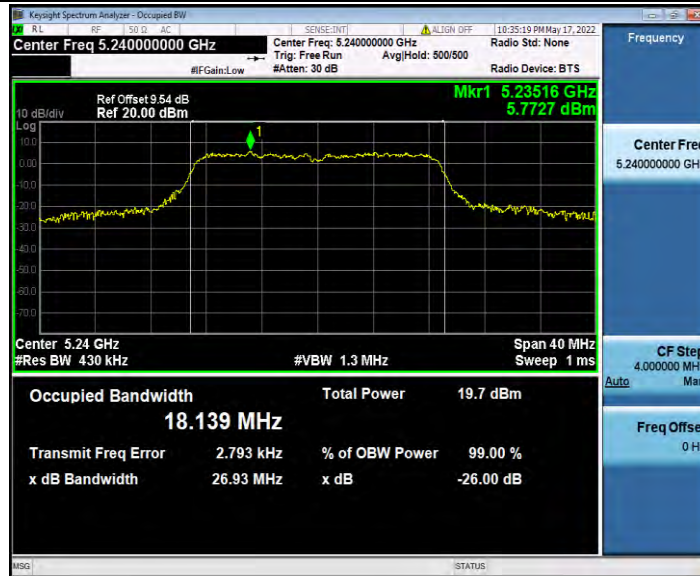
11N20SISO\_Ant1\_5180



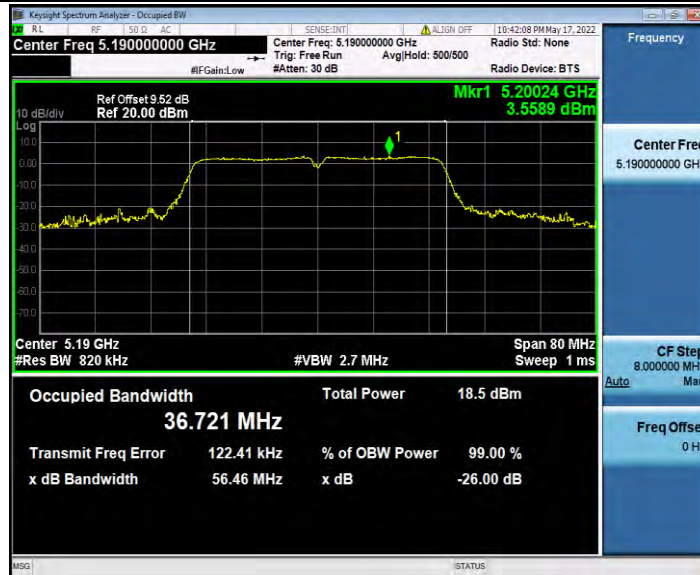
11N20SISO\_Ant1\_5200



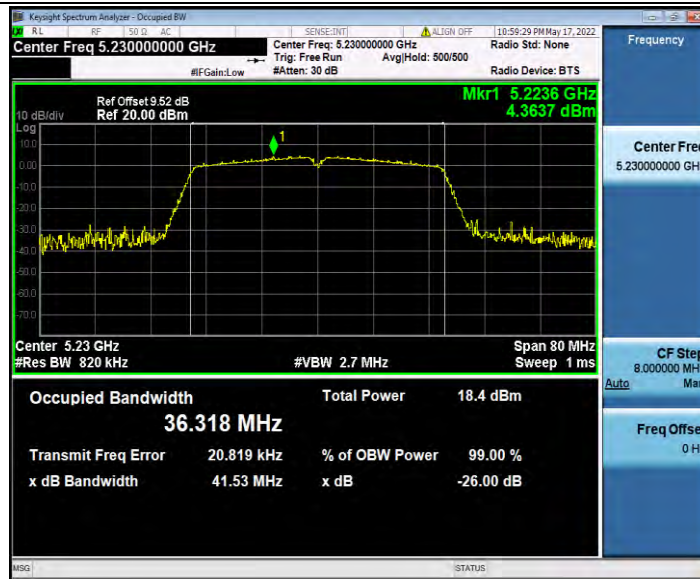
# 11N20SISO\_Ant1\_5240



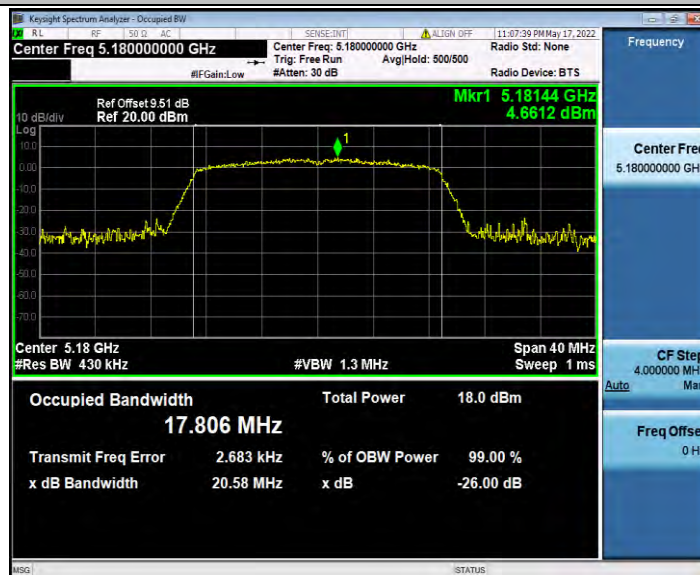
# 11N40SISO\_Ant1\_5190



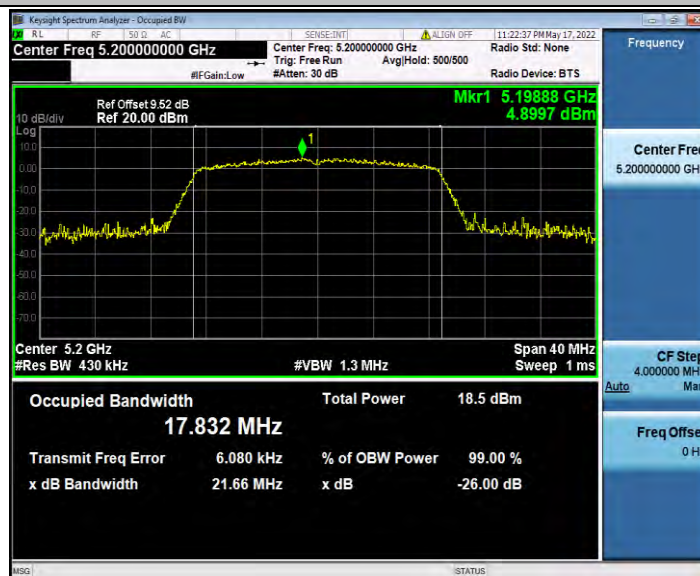
# 11N40SISO\_Ant1\_5230



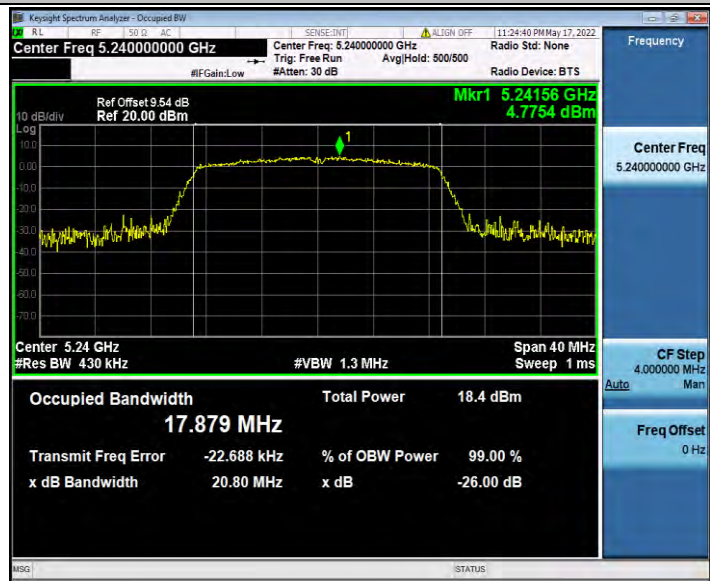
11AC20SISO\_Ant1\_5180



11AC20SISO\_Ant1\_5200



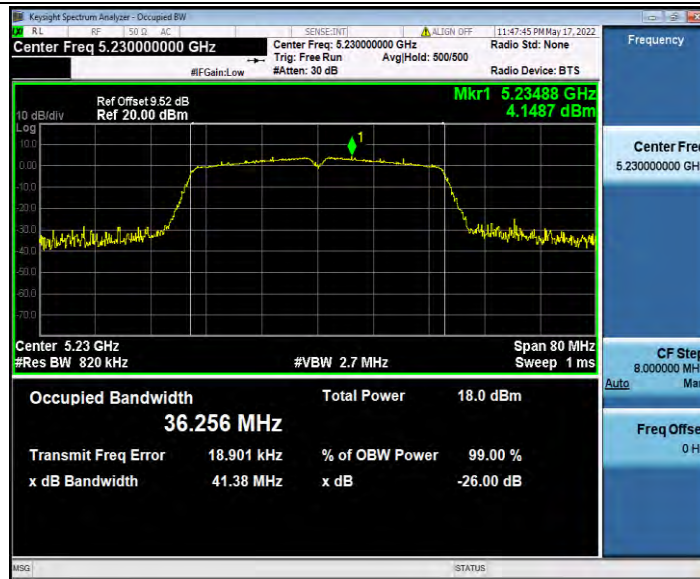
11AC20SISO\_Ant1\_5240



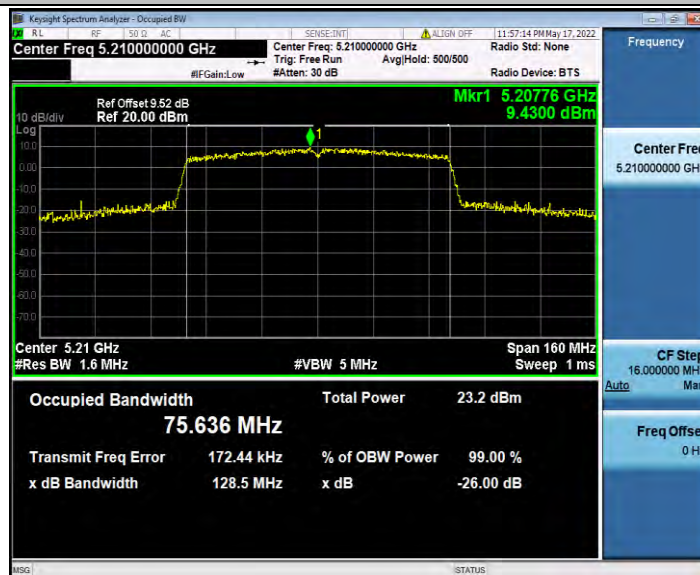
11AC40SISO\_Ant1\_5190



11AC40SISO\_Ant1\_5230



11AC80SISO\_Ant1\_5210



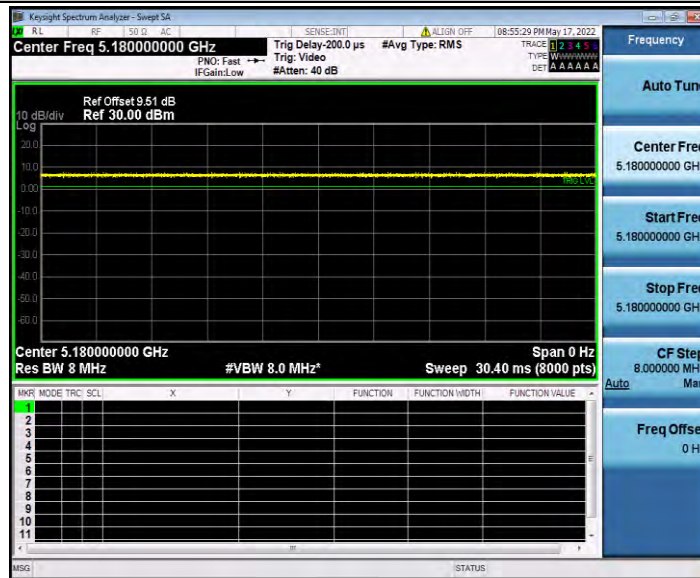
## Appendix D.3: Duty Cycle

### Test Result

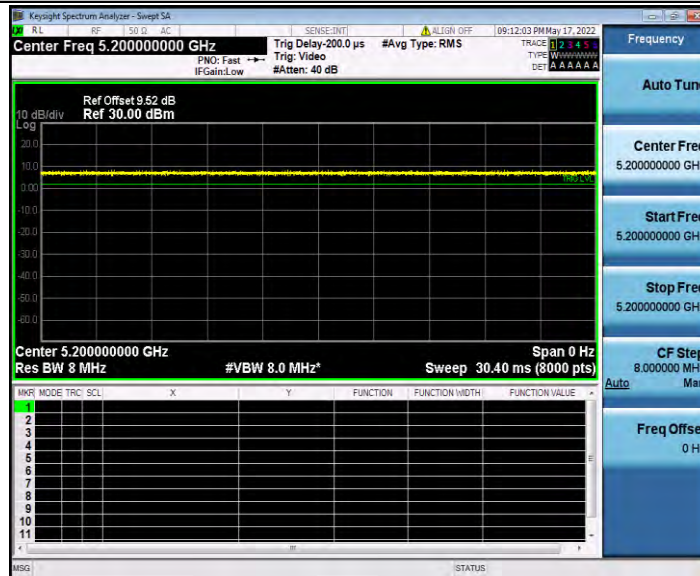
| TestMode   | Antenna | Frequency[MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | DC Factor [dB] |
|------------|---------|----------------|----------------------------|--------------------------|----------------|----------------|
| 11A        | Ant1    | 5180           | 30.00                      | 30.00                    | 100.00         | 0              |
|            |         | 5200           | 30.00                      | 30.00                    | 100.00         | 0              |
|            |         | 5240           | 30.00                      | 30.00                    | 100.00         | 0              |
| 11N20SISO  | Ant1    | 5180           | 30.00                      | 30.00                    | 100.00         | 0              |
|            |         | 5200           | 30.00                      | 30.00                    | 100.00         | 0              |
|            |         | 5240           | 30.00                      | 30.00                    | 100.00         | 0              |
| 11N40SISO  | Ant1    | 5190           | 30.00                      | 30.00                    | 100.00         | 0              |
|            |         | 5230           | 30.00                      | 30.00                    | 100.00         | 0              |
| 11AC20SISO | Ant1    | 5180           | 30.00                      | 30.00                    | 100.00         | 0              |
|            |         | 5200           | 30.00                      | 30.00                    | 100.00         | 0              |
|            |         | 5240           | 30.00                      | 30.00                    | 100.00         | 0              |
| 11AC40SISO | Ant1    | 5190           | 30.00                      | 30.00                    | 100.00         | 0              |
|            |         | 5230           | 30.00                      | 30.00                    | 100.00         | 0              |
| 11AC80SISO | Ant1    | 5210           | 30.00                      | 30.00                    | 100.00         | 0              |

## Test Graphs

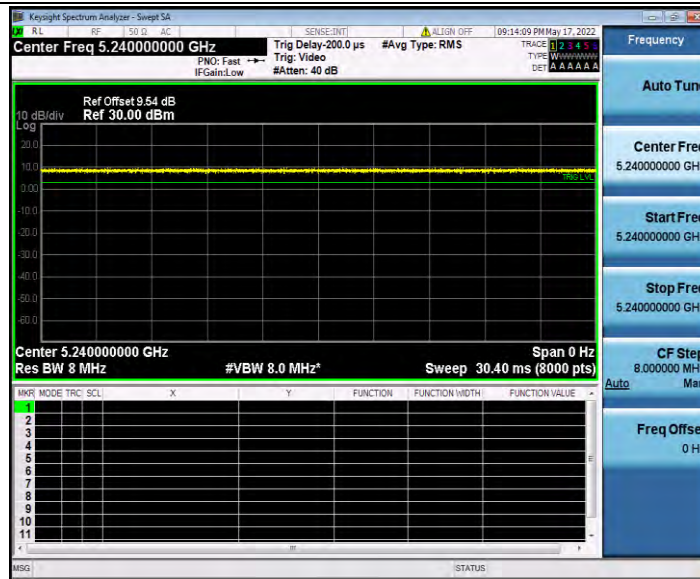
11A\_Ant1\_5180



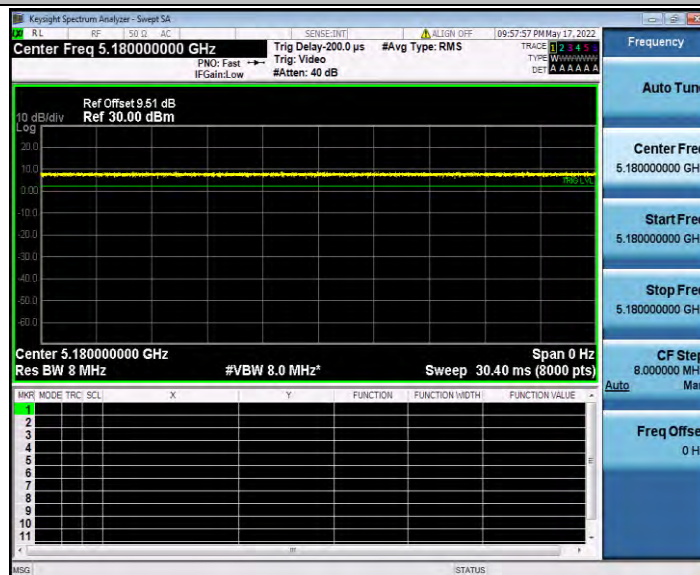
11A\_Ant1\_5200



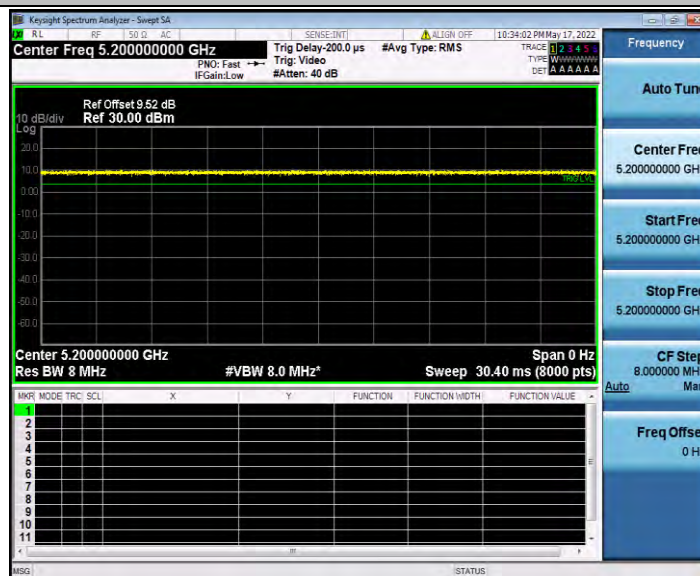
11A\_Ant1\_5240



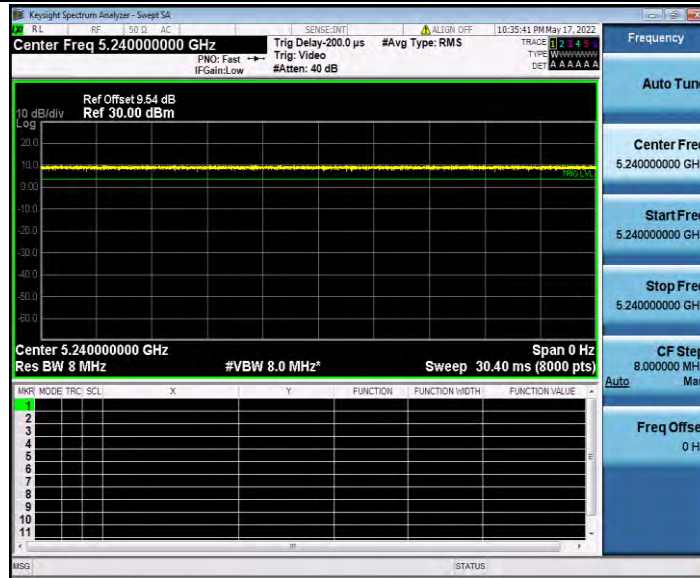
11N20SISO\_Ant1\_5180



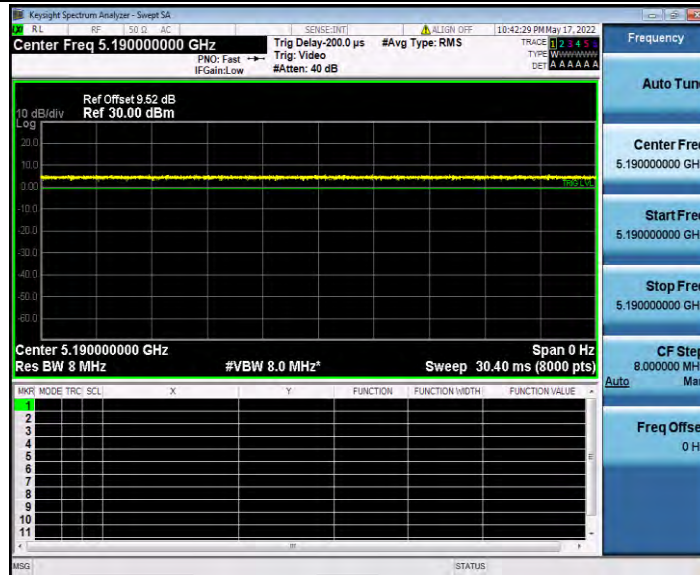
11N20SISO\_Ant1\_5200



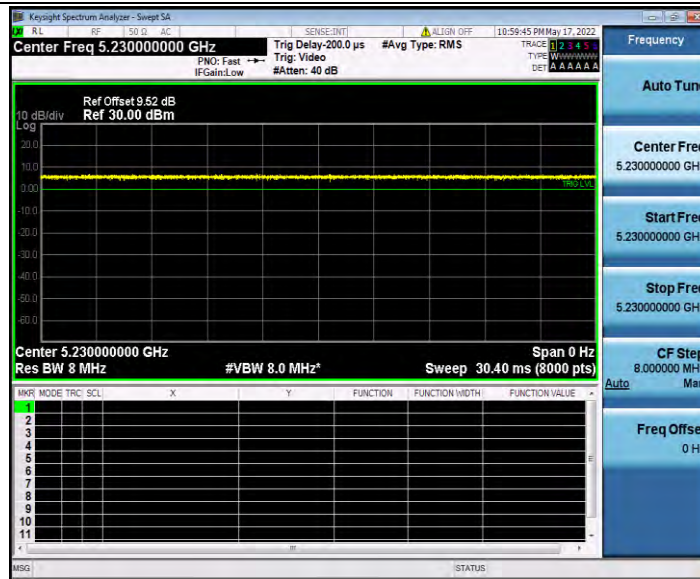
# 11N20SISO\_Ant1\_5240



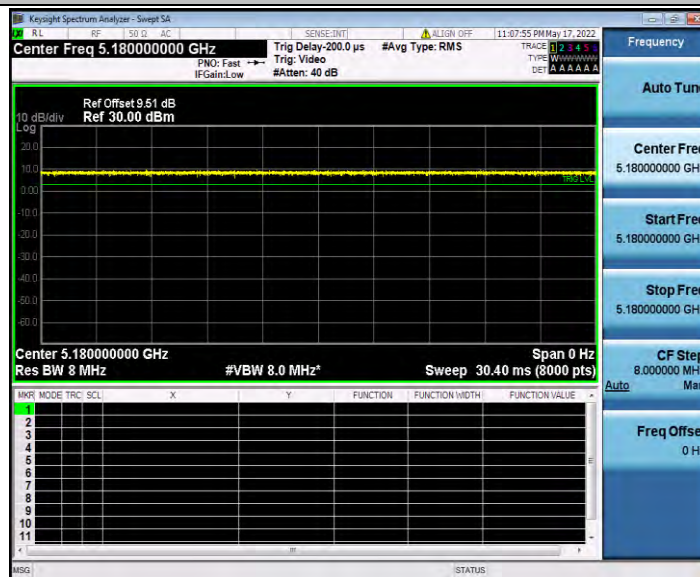
# 11N40SISO\_Ant1\_5190



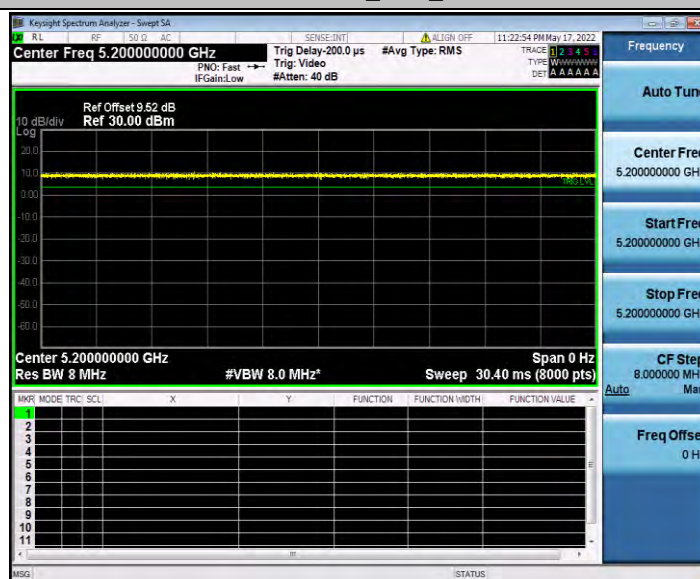
# 11N40SISO\_Ant1\_5230



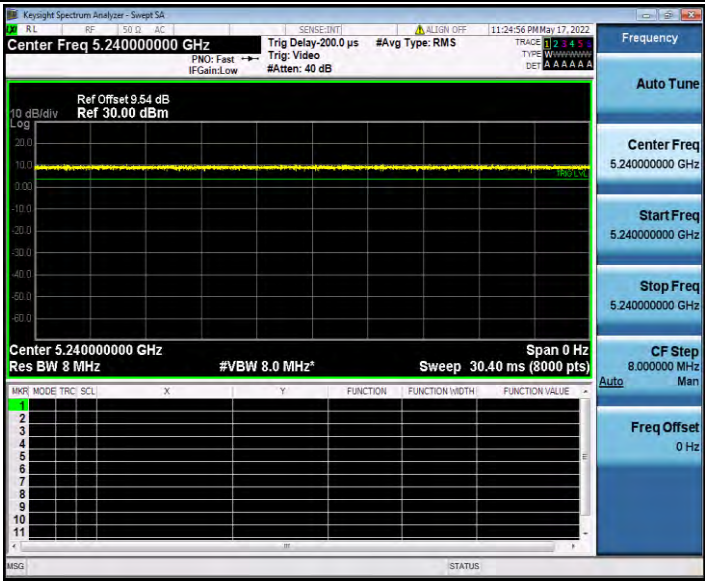
11AC20SISO\_Ant1\_5180



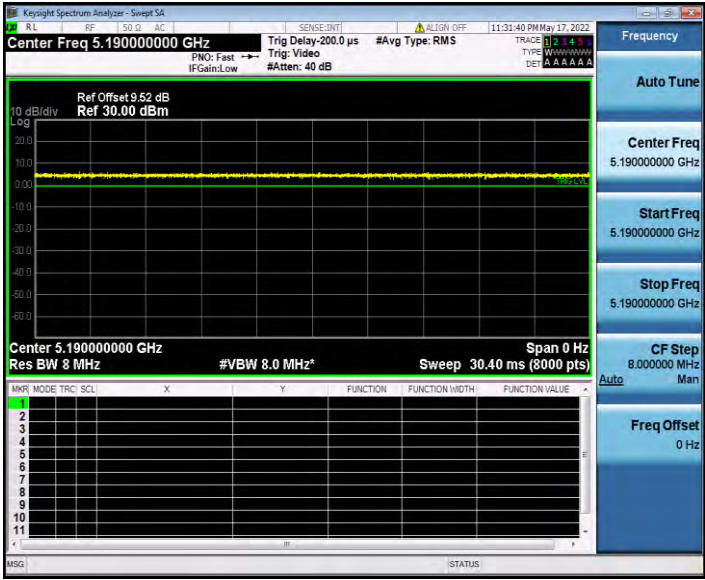
11AC20SISO\_Ant1\_5200



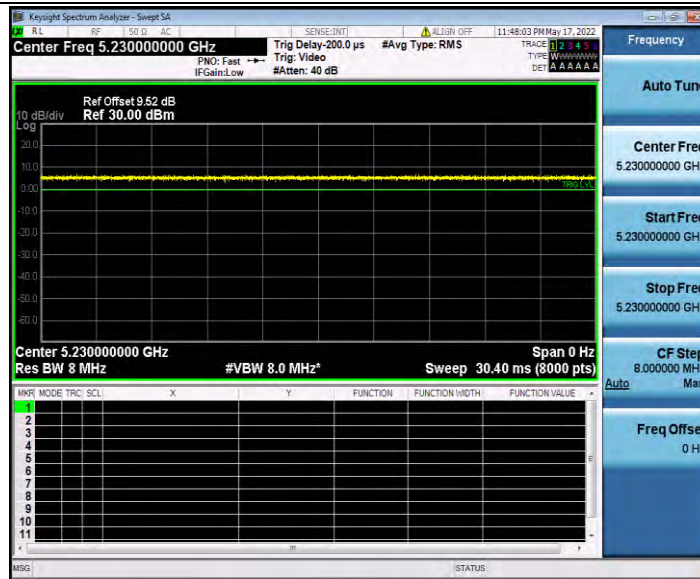
11AC20SISO\_Ant1\_5240



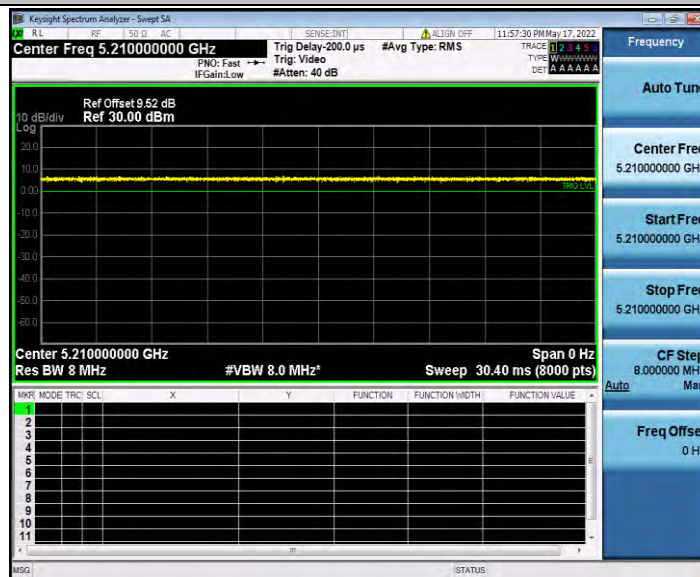
11AC40SISO\_Ant1\_5190



11AC40SISO\_Ant1\_5230



11AC80SISO\_Ant1\_5210



## Appendix D.4: Maximum power spectral density

### Test Result

| TestMode   | Antenna | Frequency[MHz] | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|----------------|------------------|----------------|---------|
| 11A        | Ant1    | 5180           | 3.80             | ≤11.00         | PASS    |
|            |         | 5200           | 4.46             | ≤11.00         | PASS    |
|            |         | 5240           | 6.28             | ≤11.00         | PASS    |
| 11N20SISO  | Ant1    | 5180           | 5.54             | ≤11.00         | PASS    |
|            |         | 5200           | 6.45             | ≤11.00         | PASS    |
|            |         | 5240           | 6.63             | ≤11.00         | PASS    |
| 11N40SISO  | Ant1    | 5190           | 2.11             | ≤11.00         | PASS    |
|            |         | 5230           | 3.31             | ≤11.00         | PASS    |
| 11AC20SISO | Ant1    | 5180           | 5.87             | ≤11.00         | PASS    |
|            |         | 5200           | 6.46             | ≤11.00         | PASS    |
|            |         | 5240           | 6.41             | ≤11.00         | PASS    |
| 11AC40SISO | Ant1    | 5190           | 1.77             | ≤11.00         | PASS    |
|            |         | 5230           | 3.39             | ≤11.00         | PASS    |
| 11AC80SISO | Ant1    | 5210           | 3.89             | ≤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



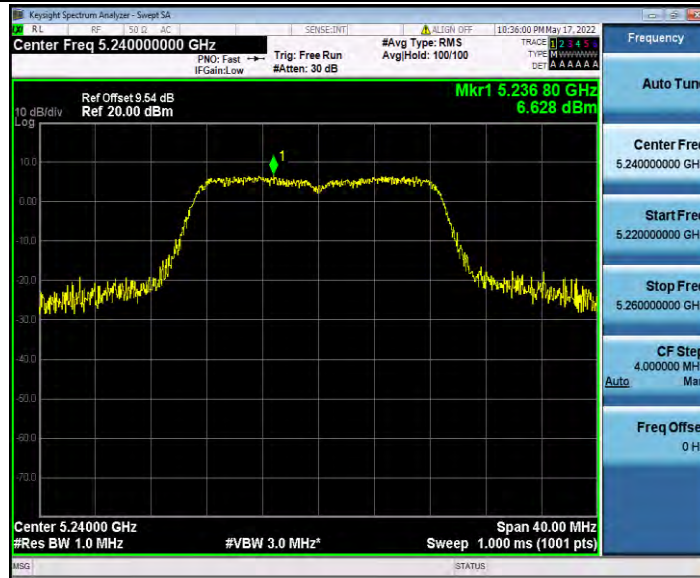
11N20SISO\_Ant1\_5180



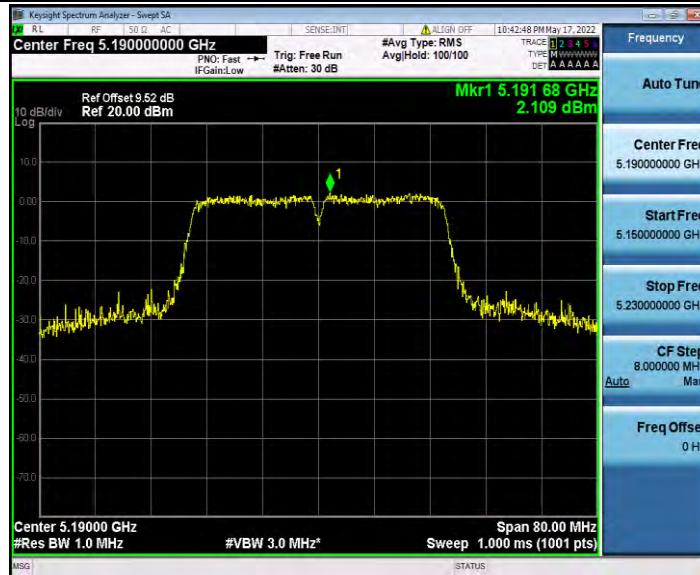
11N20SISO\_Ant1\_5200



# 11N20SISO\_Ant1\_5240



# 11N40SISO\_Ant1\_5190



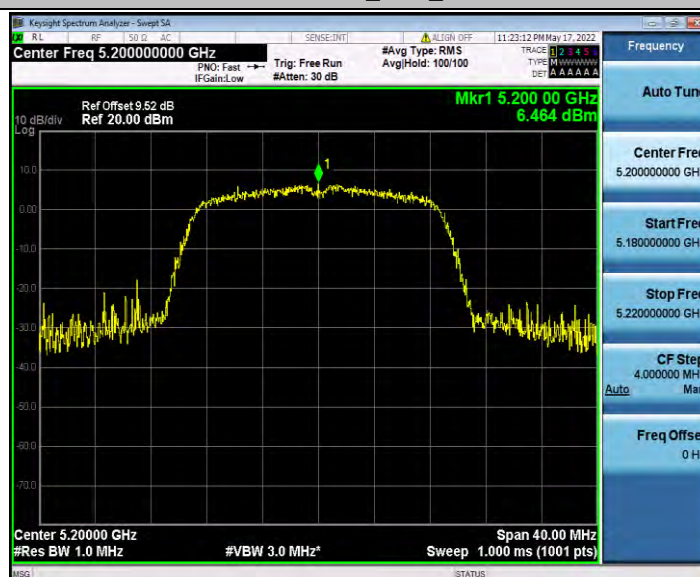
# 11N40SISO\_Ant1\_5230



11AC20SISO\_Ant1\_5180



11AC20SISO\_Ant1\_5200



11AC20SISO\_Ant1\_5240



11AC40SISO\_Ant1\_5190



11AC40SISO\_Ant1\_5230



11AC80SISO\_Ant1\_5210



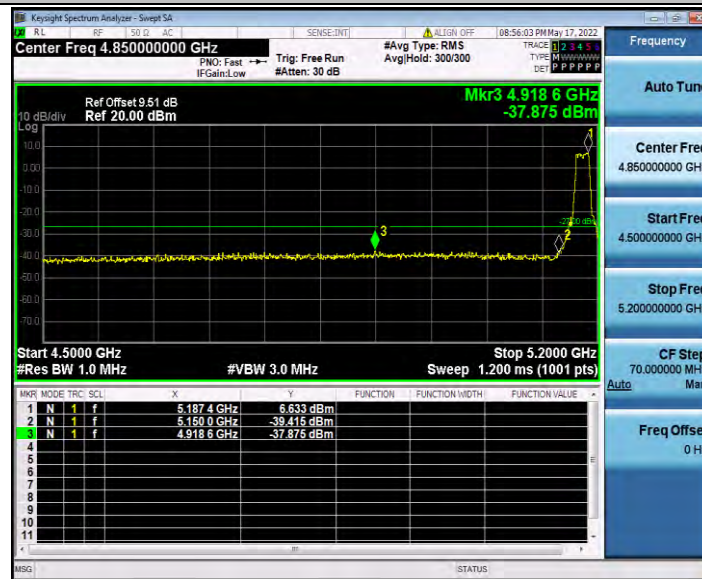
## Appendix D.5: Band edge measurements

### Test Result B1

| TestMode   | Antenna | ChName | Frequency[MHz] | Result[dBm] | Limit[dBm] | Verdict |
|------------|---------|--------|----------------|-------------|------------|---------|
| 11A        | Ant1    | Low    | 5180           | -37.88      | $\leq -27$ | PASS    |
|            |         | High   | 5240           | -37.41      | $\leq -27$ | PASS    |
| 11N20SISO  | Ant1    | Low    | 5180           | -33.17      | $\leq -27$ | PASS    |
|            |         | High   | 5240           | -37.97      | $\leq -27$ | PASS    |
| 11N40SISO  | Ant1    | Low    | 5190           | -27.89      | $\leq -27$ | PASS    |
|            |         | High   | 5230           | -38.29      | $\leq -27$ | PASS    |
| 11AC20SISO | Ant1    | Low    | 5180           | -33.17      | $\leq -27$ | PASS    |
|            |         | High   | 5240           | -37.92      | $\leq -27$ | PASS    |
| 11AC40SISO | Ant1    | Low    | 5190           | -34.18      | $\leq -27$ | PASS    |
|            |         | High   | 5230           | -37.8       | $\leq -27$ | PASS    |
| 11AC80SISO | Ant1    | Low    | 5210           | -28.01      | $\leq -27$ | PASS    |
|            |         | High   | 5210           | -37.91      | $\leq -27$ | PASS    |

## Test Graphs B1

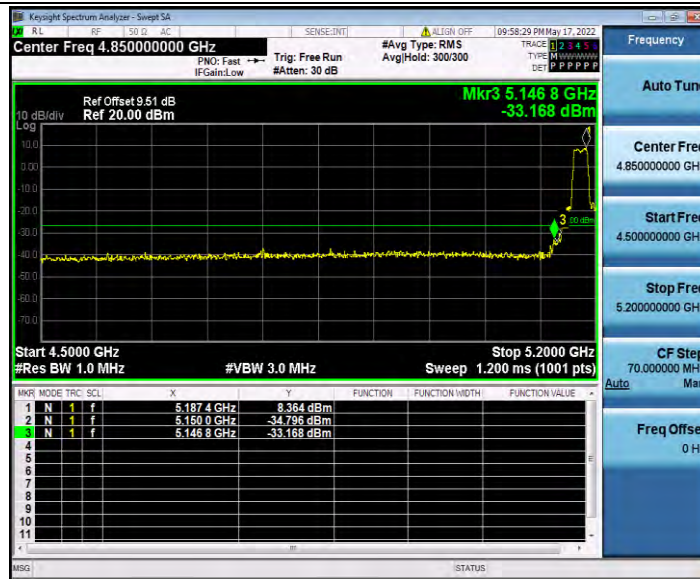
11A\_Ant1\_Low\_5180



11A\_Ant1\_High\_5240



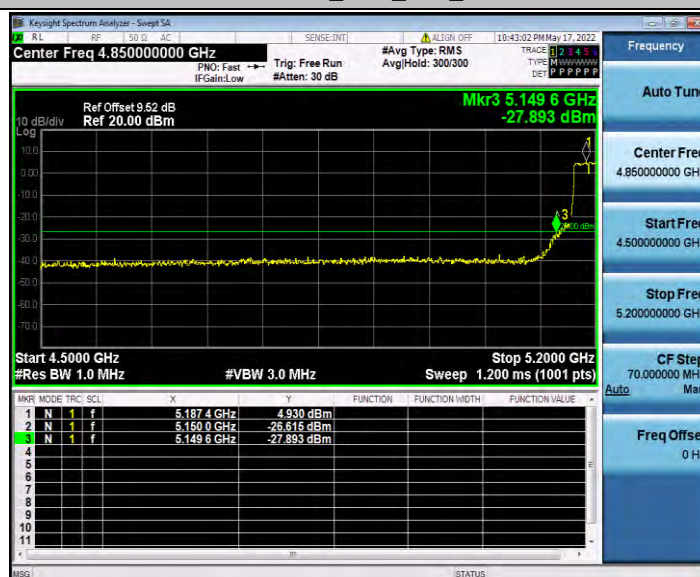
11N20SISO\_Ant1\_Low\_5180



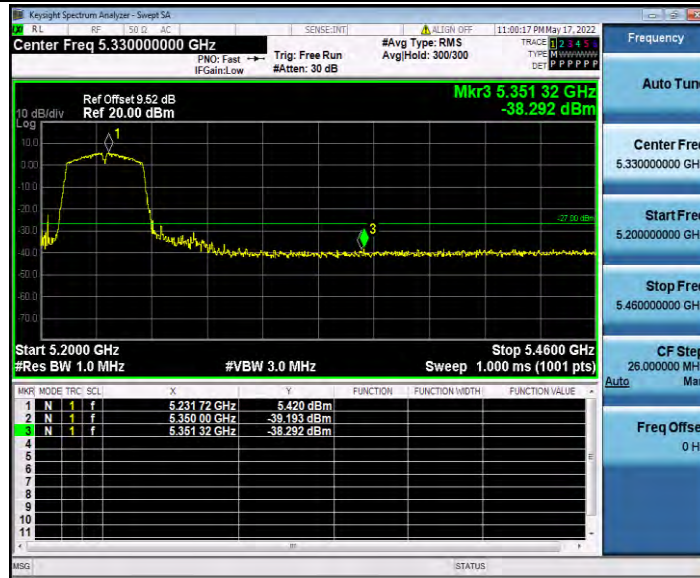
11N20SISO\_Ant1\_High\_5240



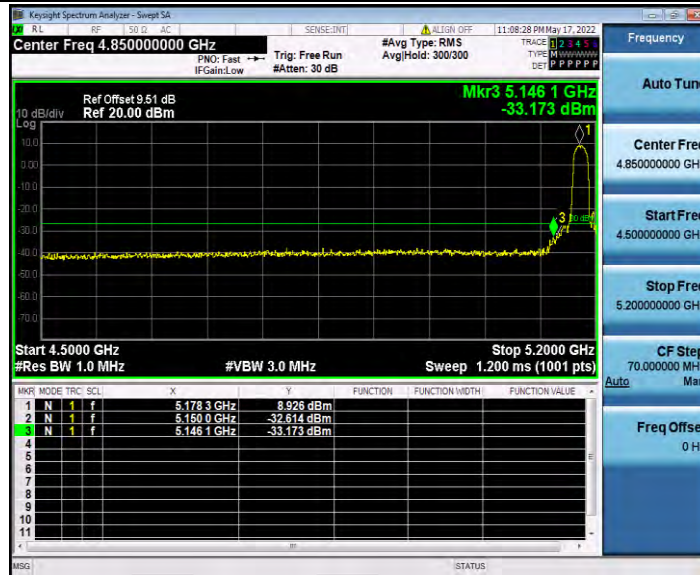
11N40SISO\_Ant1\_Low\_5190



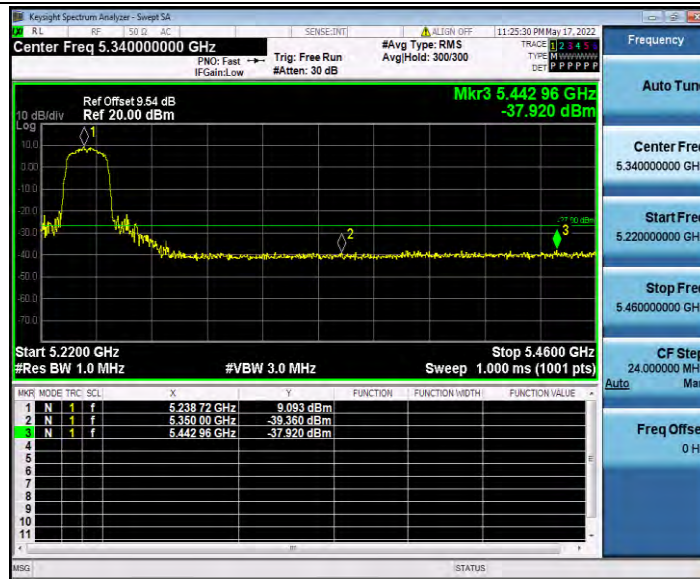
# 11N40SISO\_Ant1\_High\_5230



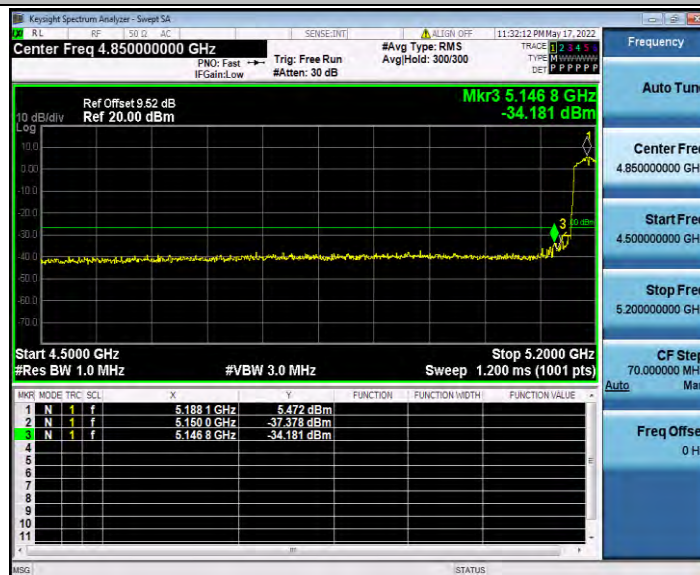
# 11AC20SISO\_Ant1\_Low\_5180



# 11AC20SISO\_Ant1\_High\_5240



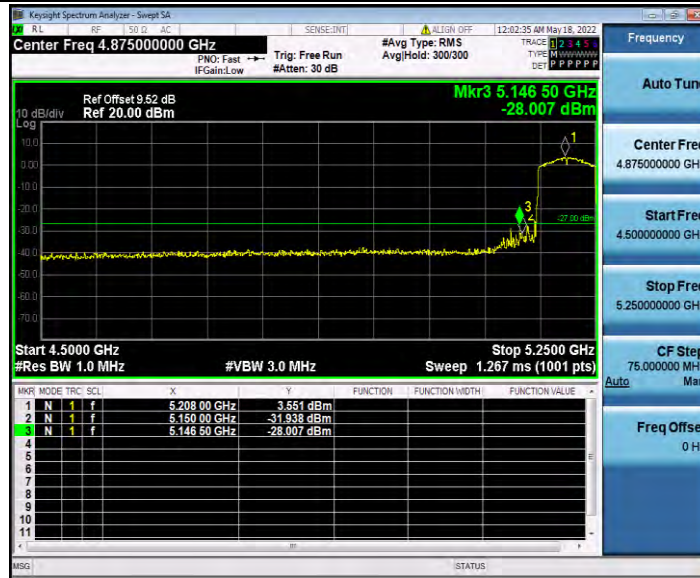
11AC40SISO\_Ant1\_Low\_5190



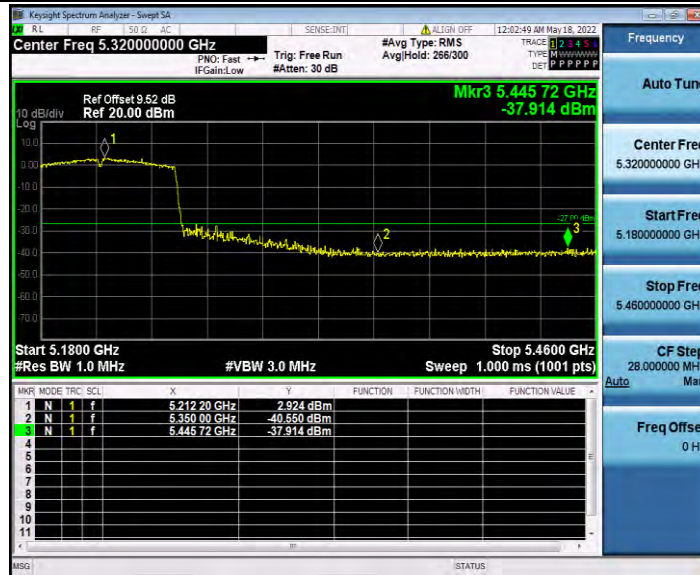
11AC40SISO\_Ant1\_High\_5230



# 11AC80SISO\_Ant1\_Low\_5210



# 11AC80SISO\_Ant1\_High\_5210



## Appendix D.6: 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         | 5049.89        | -47.11           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 24786.95       | -37.27           | ≤-27        | PASS    |
|            |         | 5200           | 30~5140         | 5021.28        | -46.94           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 26825.44       | -37.88           | ≤-27        | PASS    |
|            |         | 5240           | 30~5140         | 4939.18        | -47.25           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 24286.34       | -37.86           | ≤-27        | PASS    |
| 11N20SISO  | Ant1    | 5180           | 30~5140         | 2837.43        | -47.11           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 24356.31       | -37.59           | ≤-27        | PASS    |
|            |         | 5200           | 30~5140         | 4952.12        | -46.24           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 26519.59       | -38.25           | ≤-27        | PASS    |
|            |         | 5240           | 30~5140         | 4949.74        | -46.87           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 23513.8        | -38.39           | ≤-27        | PASS    |
| 11N40SISO  | Ant1    | 5190           | 30~5140         | 5134.04        | -40.54           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 26492.18       | -38.42           | ≤-27        | PASS    |
|            |         | 5230           | 30~5140         | 5114.28        | -46.82           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 26888.91       | -38.03           | ≤-27        | PASS    |
| 11AC20SISO | Ant1    | 5180           | 30~5140         | 5138.13        | -44.54           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 23533.27       | -37.89           | ≤-27        | PASS    |
|            |         | 5200           | 30~5140         | 4954.17        | -47.1            | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 23602.52       | -38.22           | ≤-27        | PASS    |
|            |         | 5240           | 30~5140         | 4815.17        | -46.21           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 25573.92       | -38.41           | ≤-27        | PASS    |
| 11AC40SISO | Ant1    | 5190           | 30~5140         | 5137.27        | -38.86           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 26517.43       | -37.08           | ≤-27        | PASS    |
|            |         | 5230           | 30~5140         | 4920.1         | -46.64           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 24291.39       | -37.61           | ≤-27        | PASS    |
| 11AC80SISO | Ant1    | 5210           | 30~5140         | 5128.76        | -35.22           | ≤-27        | PASS    |
|            |         |                | 5360~40000      | 26871.6        | -37.18           | ≤-27        | PASS    |

## Test Graphs

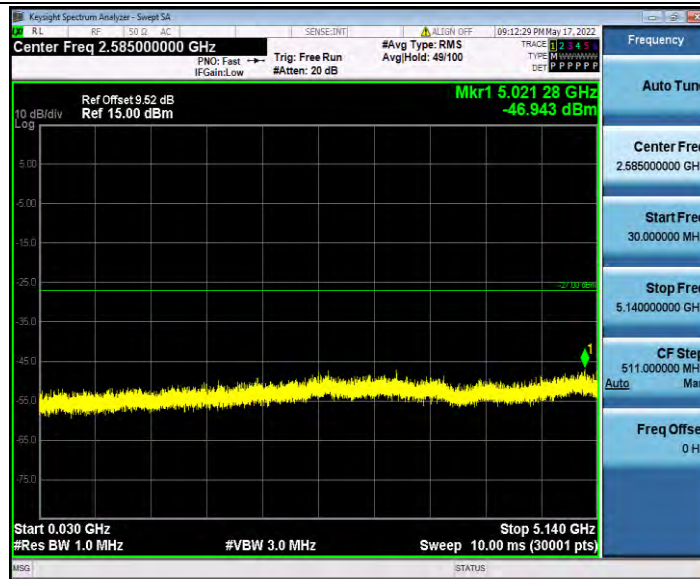
11A\_Ant1\_5180\_30~5140



11A\_Ant1\_5180\_5360~40000



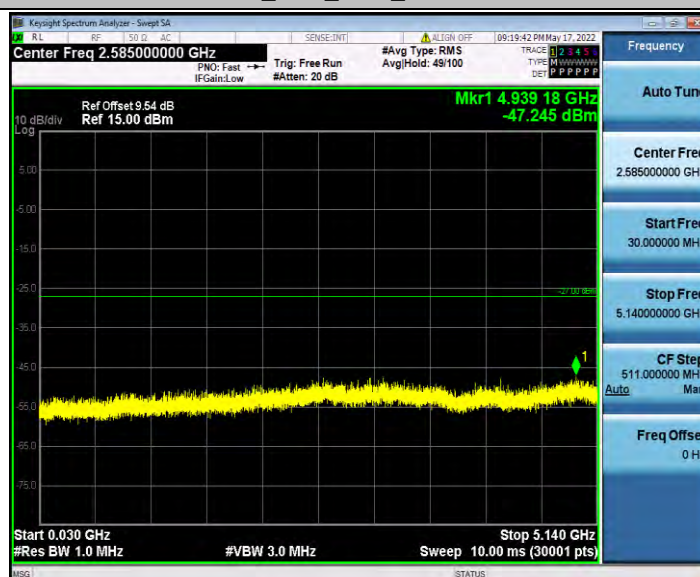
11A\_Ant1\_5200\_30~5140



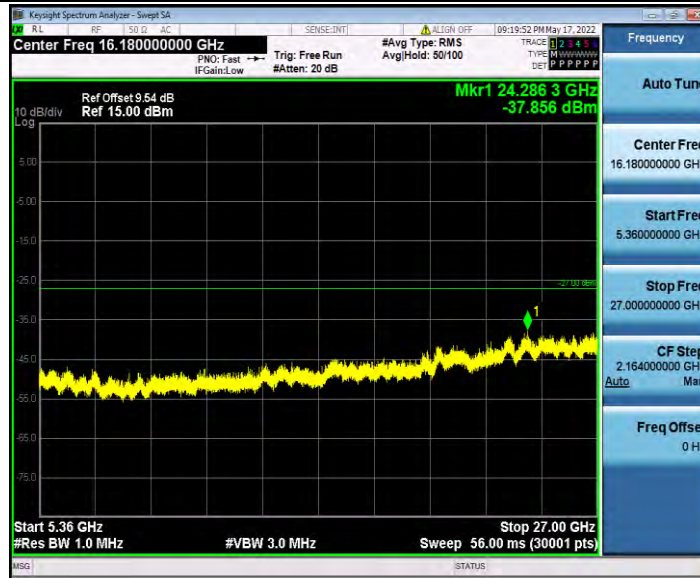
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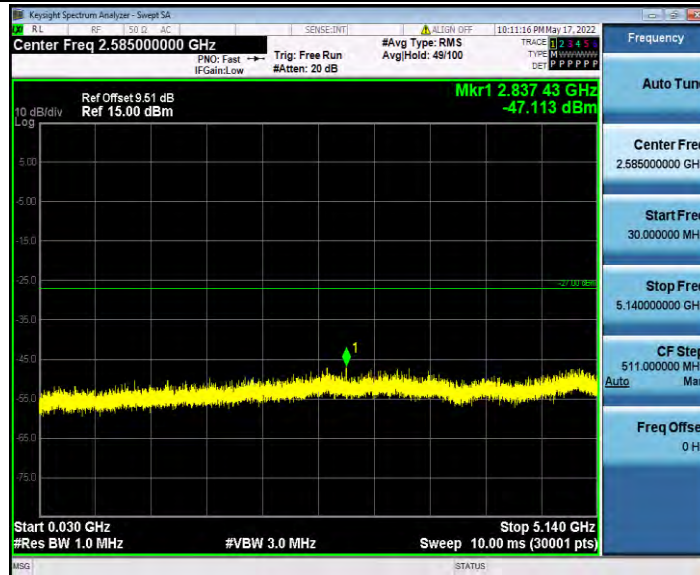
11A\_Ant1\_5240\_30~5140



# 11A\_Ant1\_5240\_5360~40000



# 11N20SISO\_Ant1\_5180\_30~5140



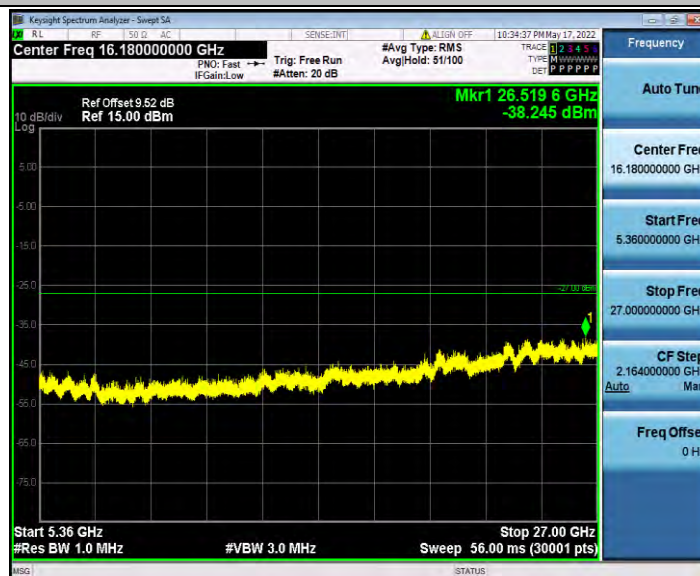
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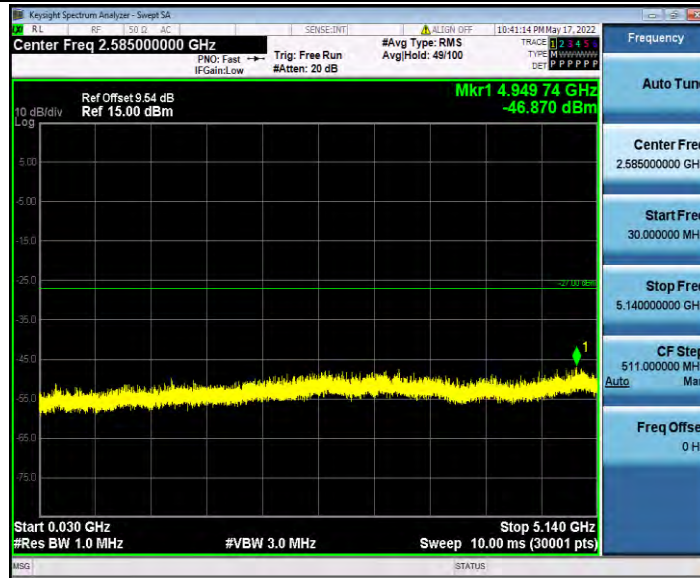
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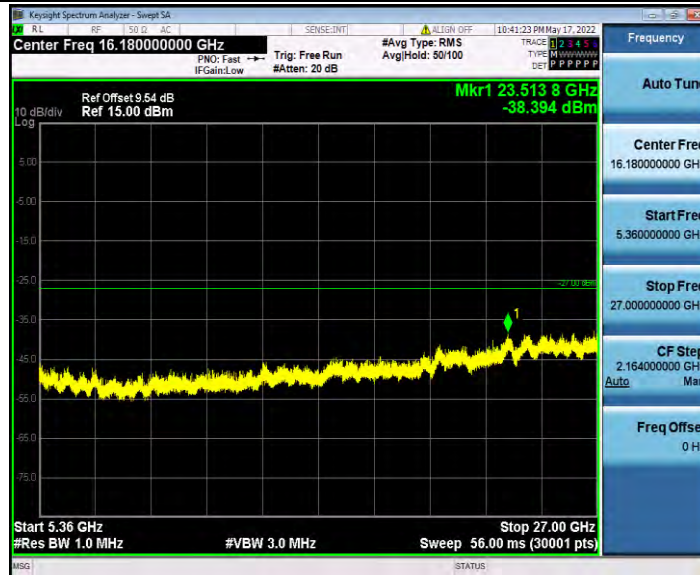
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# 11N20SISO\_Ant1\_5240\_30~5140



# 11N20SISO\_Ant1\_5240\_5360~40000



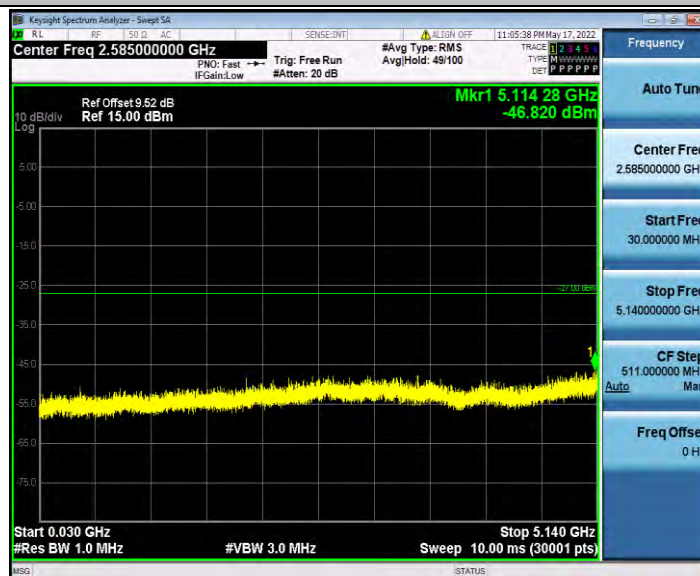
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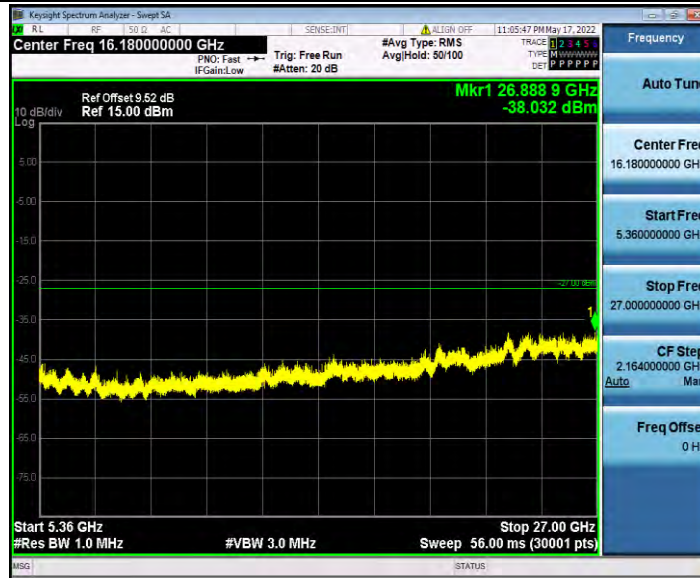
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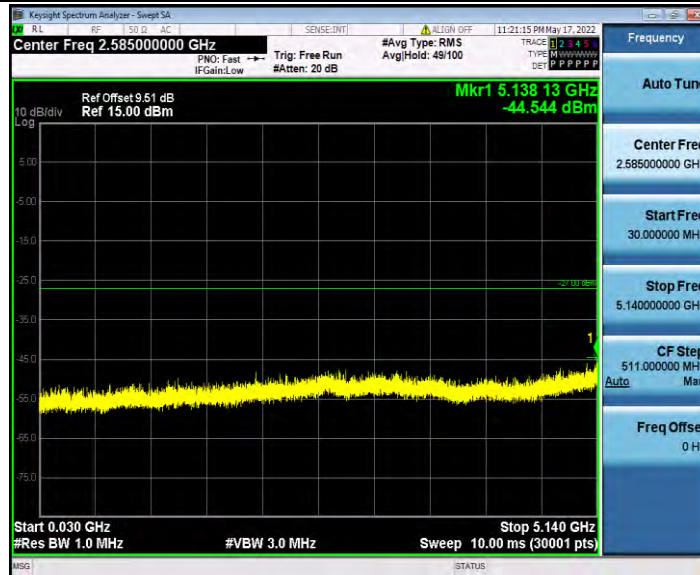
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# 11N40SISO\_Ant1\_5230\_5360~40000



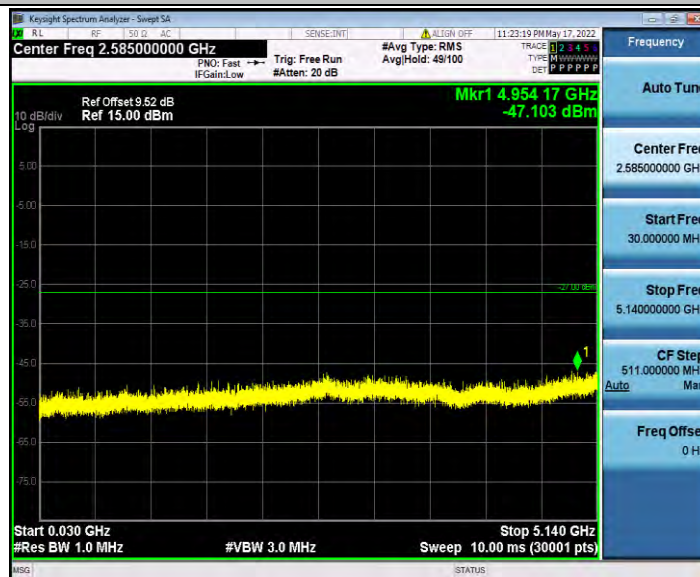
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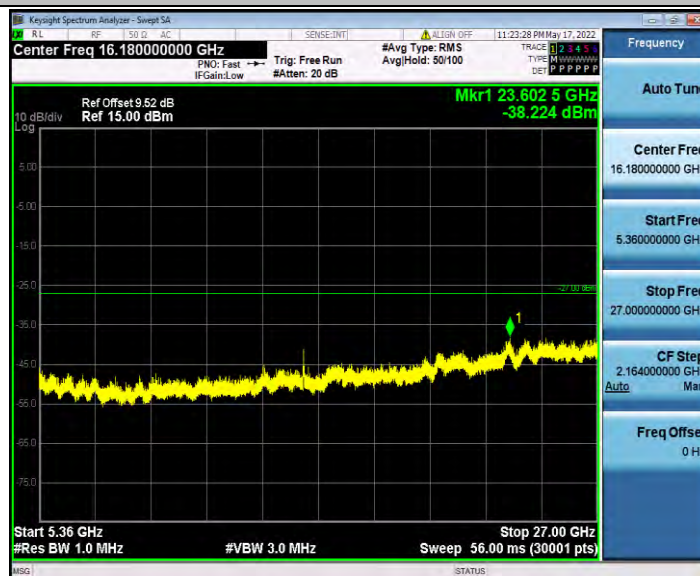
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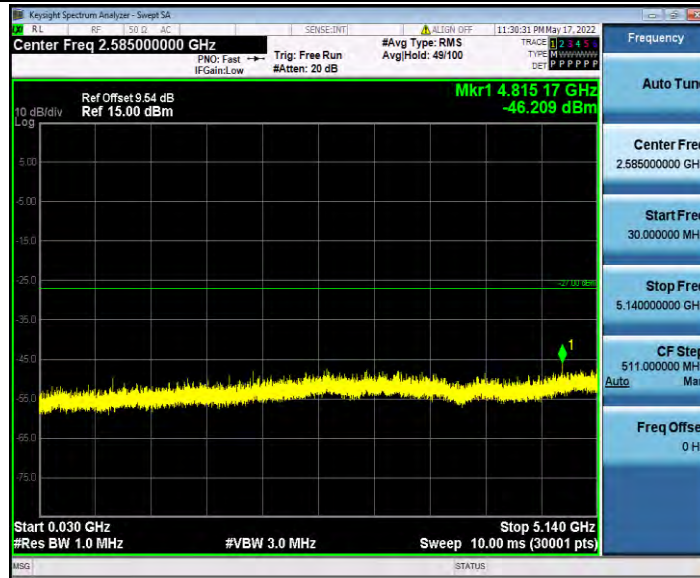
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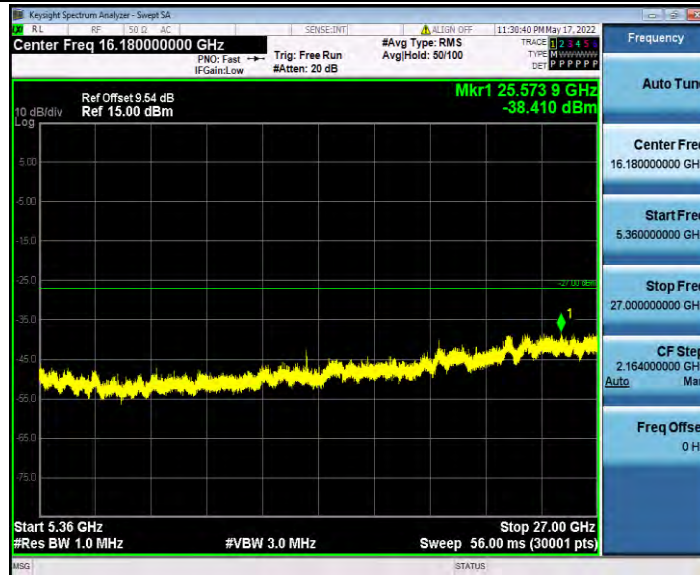
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# 11AC20SISO\_Ant1\_5240\_30~5140



# 11AC20SISO\_Ant1\_5240\_5360~40000



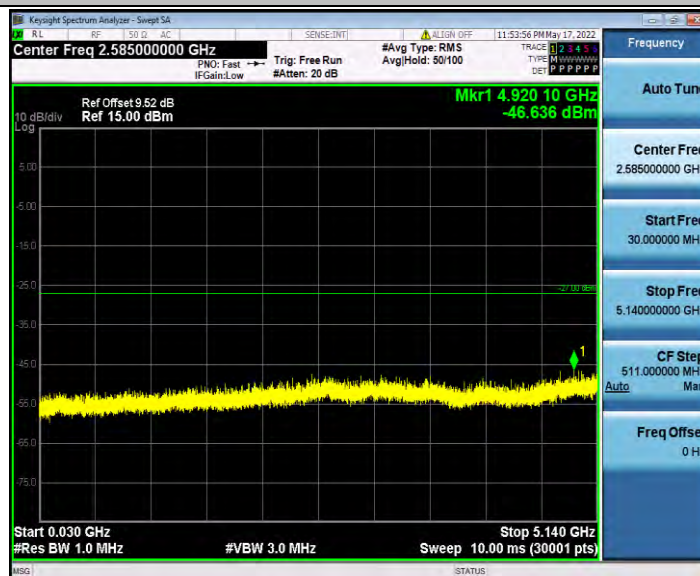
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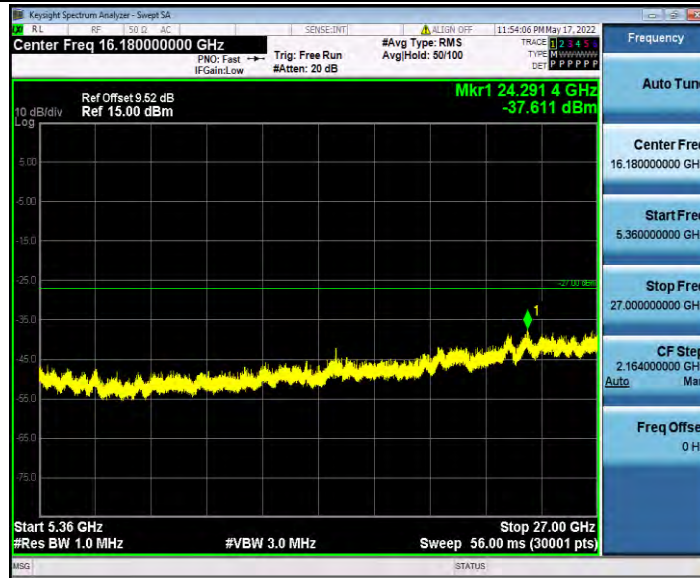
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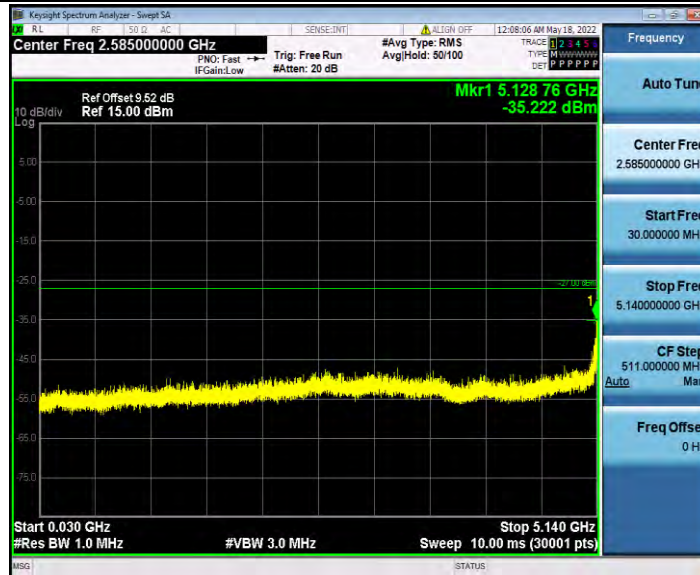
11AC40SISO\_Ant1\_5230\_30~5140



# 11AC40SISO\_Ant1\_5230\_5360~40000



# 11AC80SISO\_Ant1\_5210\_30~5140



# 11AC80SISO\_Ant1\_5210\_5360~40000

