

|                                                       |                                          |
|-------------------------------------------------------|------------------------------------------|
| <b>Case No. :</b> <u>GTS20250213022-1-04</u>          |                                          |
| <b>Ambient Condition:</b> <u>22</u> °C, <u>48</u> %RH |                                          |
| <b>According Standard:</b> ■Part15E                   |                                          |
| <b>Test Date:</b> <u>2025.2.17—2025.3.4</u>           | <b>Test Engineer:</b> <u>Evan ouyang</u> |

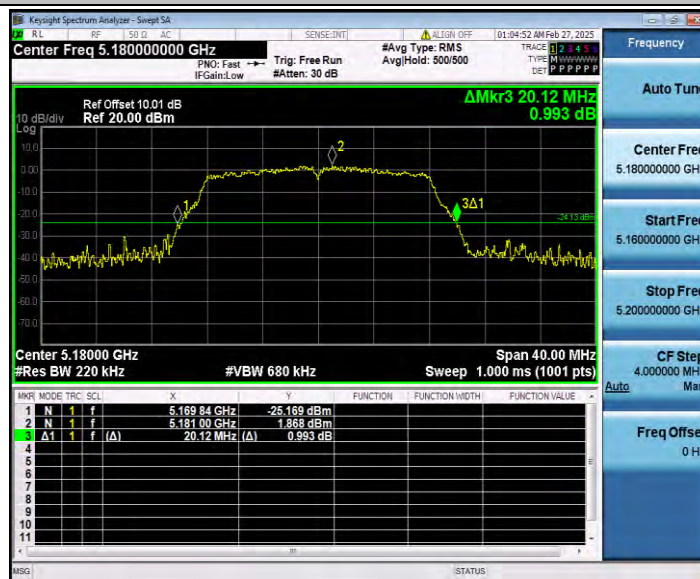
## Appendix D.1: Emission Bandwidth

### Test Result

| TestMode   | Antenna | Freq(MHz) | 26db EBW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|-----------|-------------------|----------|----------|------------|---------|
| 11A        | Ant2    | 5180      | 20.120            | 5169.840 | 5189.960 | ---        | ---     |
|            |         | 5200      | 20.040            | 5190.000 | 5210.040 | ---        | ---     |
|            |         | 5240      | 20.000            | 5229.960 | 5249.960 | ---        | ---     |
| 11N20SISO  | Ant2    | 5180      | 20.280            | 5169.840 | 5190.120 | ---        | ---     |
|            |         | 5200      | 20.240            | 5189.840 | 5210.080 | ---        | ---     |
|            |         | 5240      | 20.160            | 5229.920 | 5250.080 | ---        | ---     |
| 11N40SISO  | Ant2    | 5190      | 40.720            | 5169.680 | 5210.400 | ---        | ---     |
|            |         | 5230      | 40.720            | 5209.760 | 5250.480 | ---        | ---     |
| 11AC20SISO | Ant2    | 5180      | 20.400            | 5169.800 | 5190.200 | ---        | ---     |
|            |         | 5200      | 20.280            | 5189.880 | 5210.160 | ---        | ---     |
|            |         | 5240      | 20.280            | 5229.840 | 5250.120 | ---        | ---     |
| 11AC40SISO | Ant2    | 5190      | 40.720            | 5169.760 | 5210.480 | ---        | ---     |
|            |         | 5230      | 40.480            | 5209.920 | 5250.400 | ---        | ---     |
| 11AC80SISO | Ant2    | 5210      | 81.280            | 5169.360 | 5250.640 | ---        | ---     |

## Test Graphs

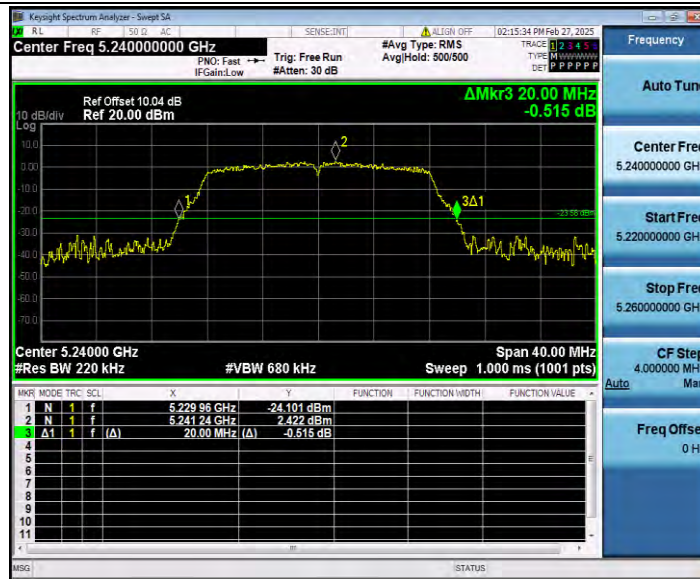
11A\_Ant2\_5180



11A\_Ant2\_5200



11A\_Ant2\_5240



11N20SISO\_Ant2\_5180



11N20SISO\_Ant2\_5200



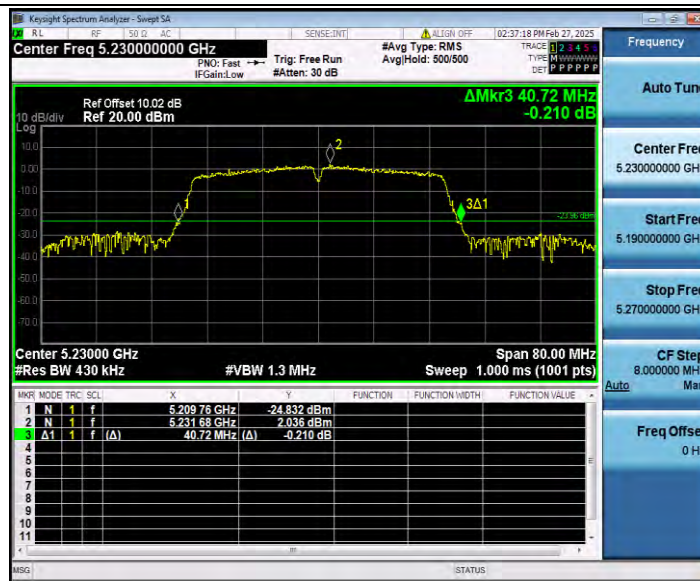
## 11N20SISO\_Ant2\_5240



## 11N40SISO\_Ant2\_5190



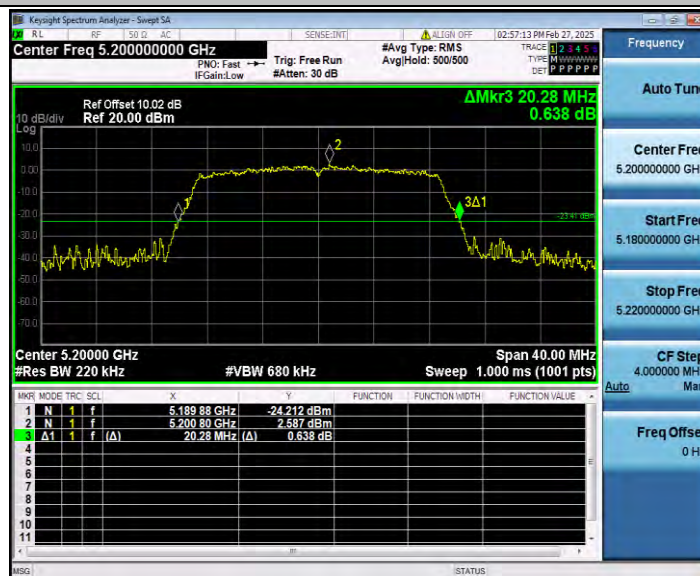
## 11N40SISO\_Ant2\_5230



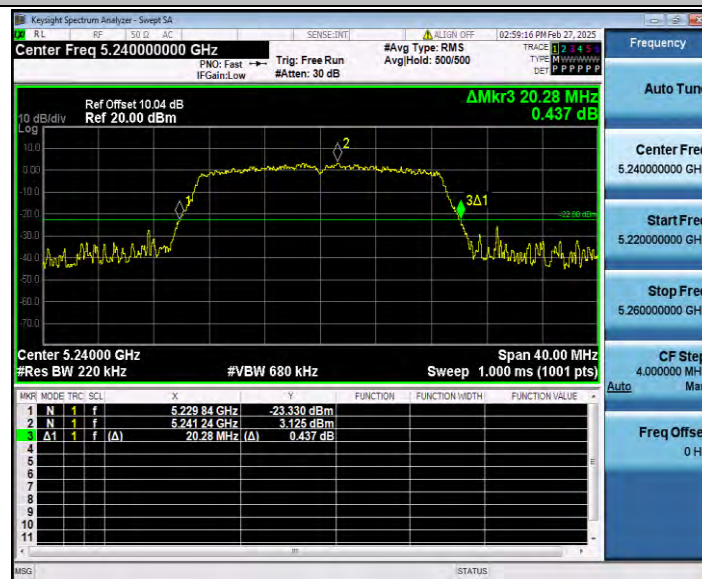
11AC20SISO\_Ant2\_5180



11AC20SISO\_Ant2\_5200



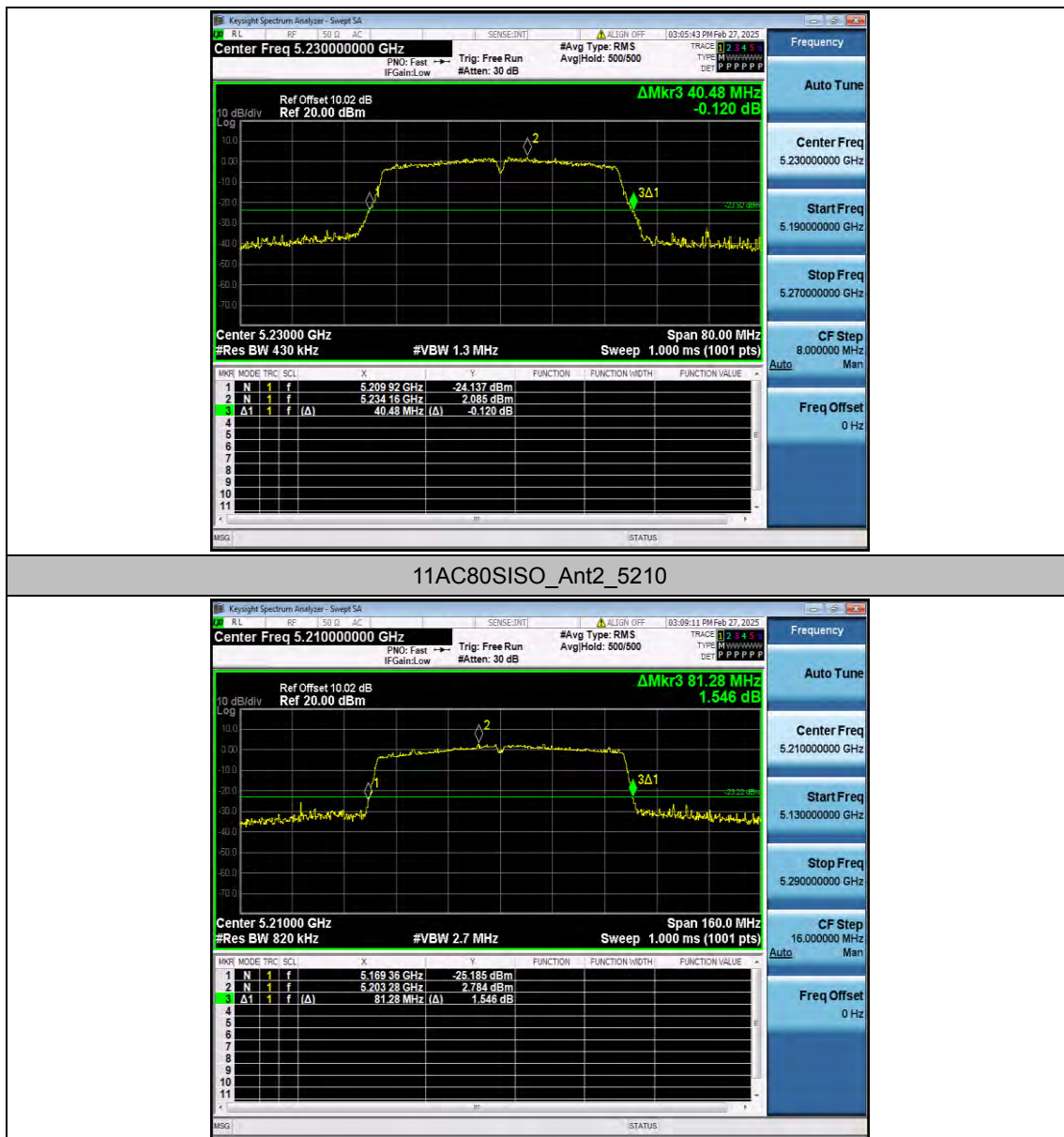
## 11AC20SISO\_Ant2\_5240



## 11AC40SISO\_Ant2\_5190



## 11AC40SISO\_Ant2\_5230



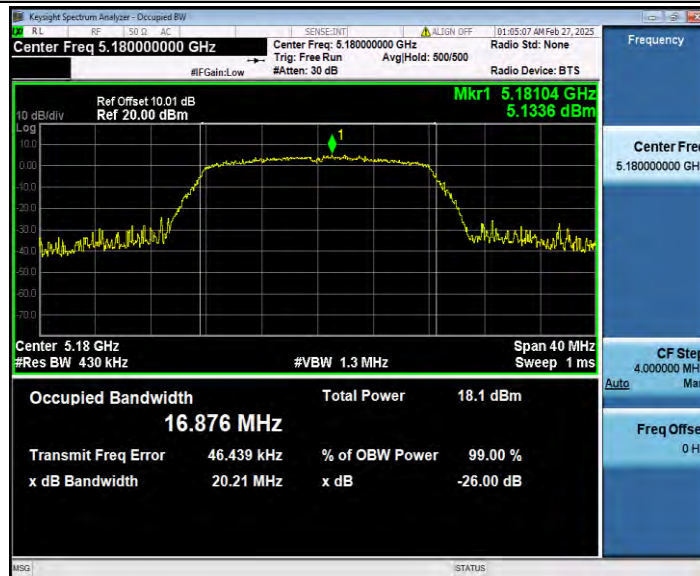
## Appendix D.2: Occupied channel bandwidth

### Test Result

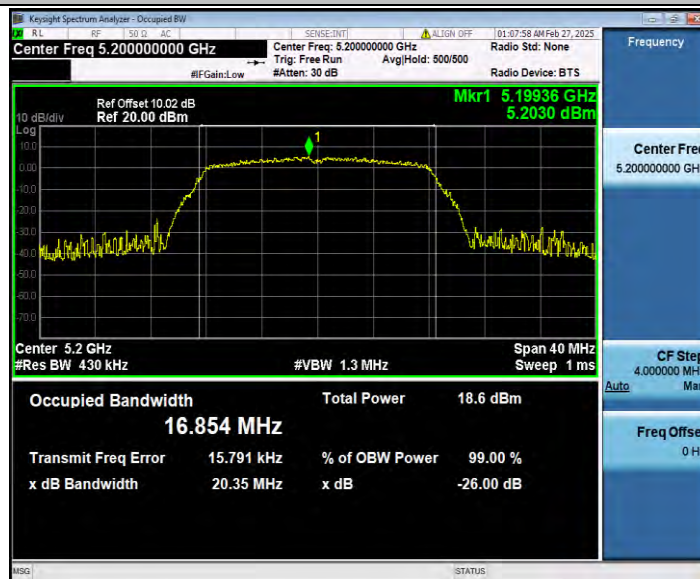
| TestMode   | Antenna | Freq(MHz) | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|------------|---------|-----------|-----------|-----------|-----------|------------|---------|
| 11A        | Ant2    | 5180      | 16.876    | 5171.6084 | 5188.4844 | ---        | ---     |
|            |         | 5200      | 16.854    | 5191.5888 | 5208.4428 | ---        | ---     |
|            |         | 5240      | 16.924    | 5231.5386 | 5248.4626 | ---        | ---     |
| 11N20SISO  | Ant2    | 5180      | 18.036    | 5170.9910 | 5189.0270 | ---        | ---     |
|            |         | 5200      | 17.992    | 5191.0014 | 5208.9934 | ---        | ---     |
|            |         | 5240      | 18.017    | 5230.9205 | 5248.9375 | ---        | ---     |
| 11N40SISO  | Ant2    | 5190      | 36.359    | 5171.9157 | 5208.2747 | ---        | ---     |
|            |         | 5230      | 36.366    | 5211.8655 | 5248.2315 | ---        | ---     |
| 11AC20SISO | Ant2    | 5180      | 17.830    | 5171.1158 | 5188.9458 | ---        | ---     |
|            |         | 5200      | 17.832    | 5191.1134 | 5208.9454 | ---        | ---     |
|            |         | 5240      | 17.849    | 5231.0781 | 5248.9271 | ---        | ---     |
| 11AC40SISO | Ant2    | 5190      | 36.256    | 5171.9887 | 5208.2447 | ---        | ---     |
|            |         | 5230      | 36.285    | 5211.8767 | 5248.1617 | ---        | ---     |
| 11AC80SISO | Ant2    | 5210      | 75.208    | 5172.6814 | 5247.8894 | ---        | ---     |

## Test Graphs

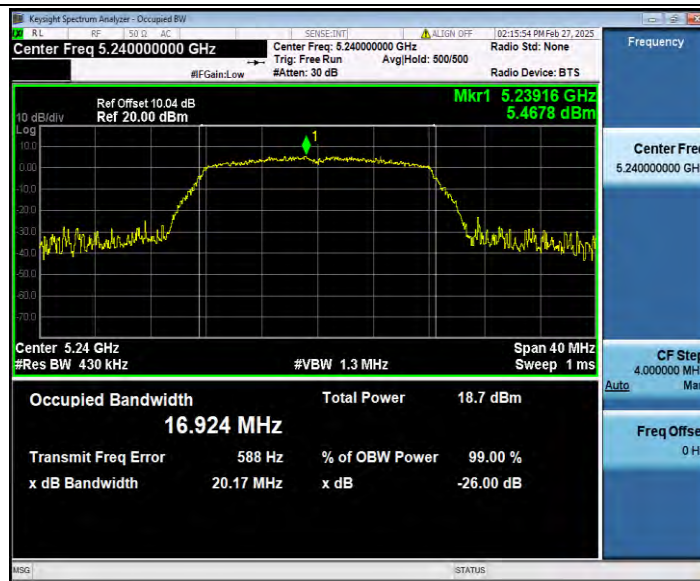
11A\_Ant2\_5180



11A\_Ant2\_5200



11A\_Ant2\_5240



11N20SISO\_Ant2\_5180



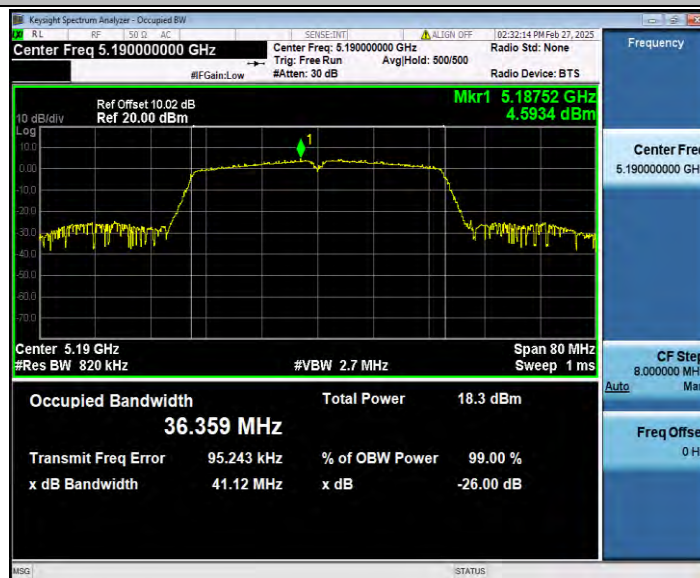
11N20SISO\_Ant2\_5200



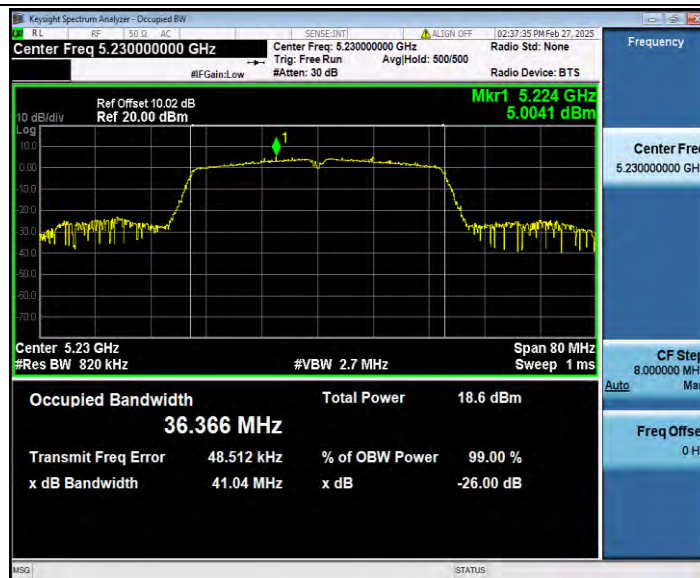
## 11N20SISO\_Ant2\_5240



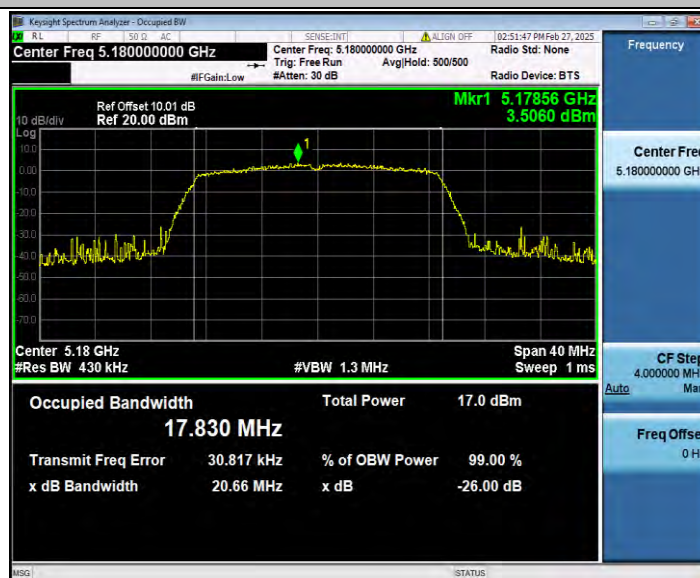
## 11N40SISO\_Ant2\_5190



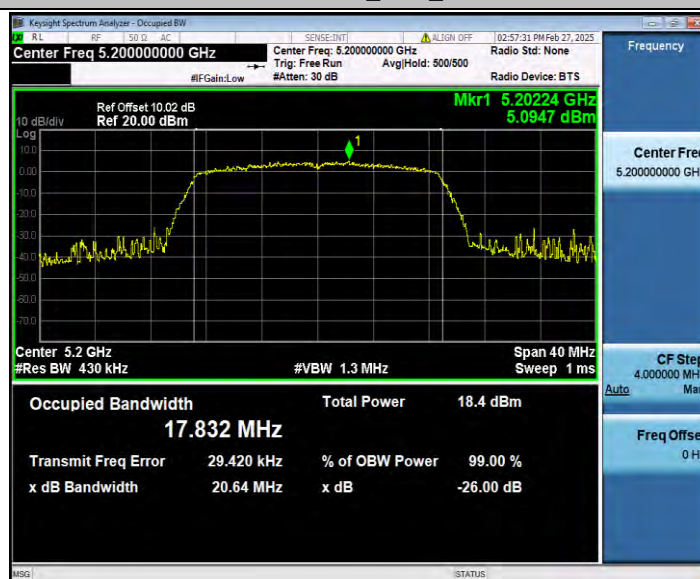
## 11N40SISO\_Ant2\_5230



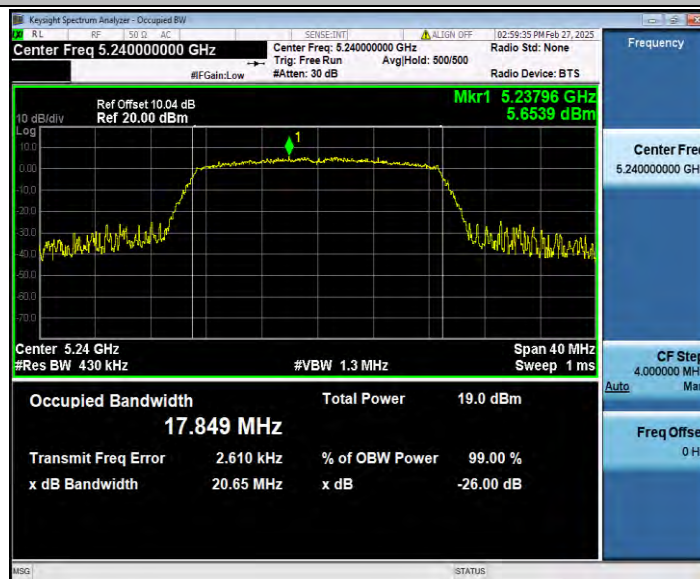
11AC20SISO\_Ant2\_5180



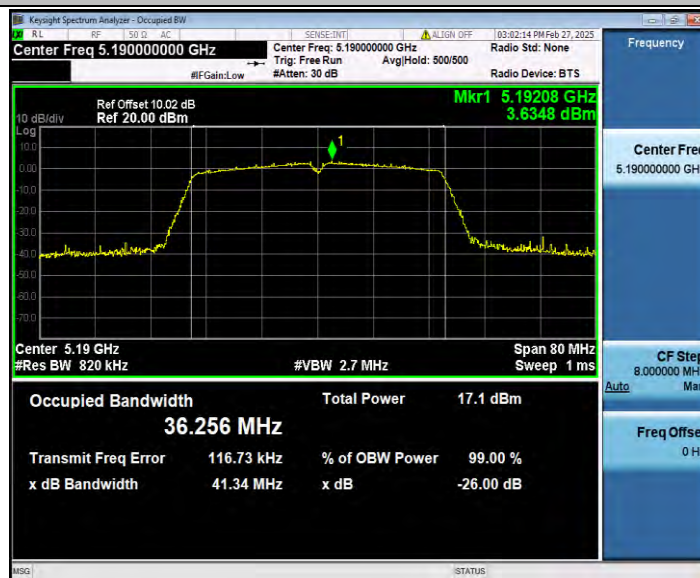
11AC20SISO\_Ant2\_5200



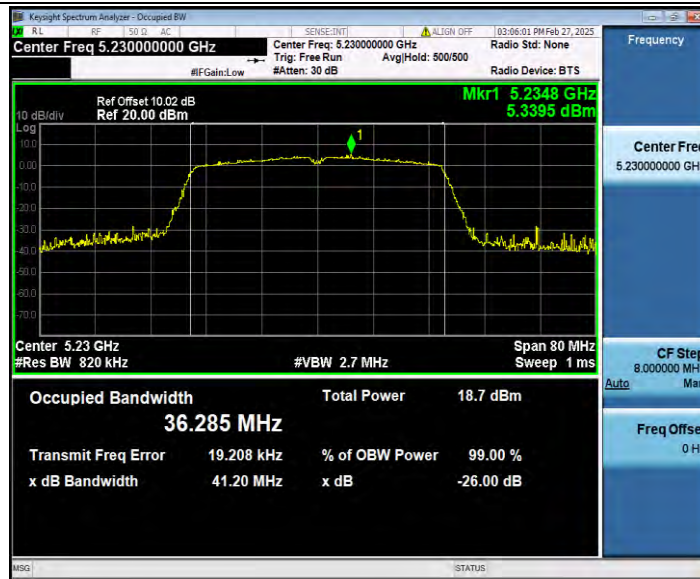
## 11AC20SISO\_Ant2\_5240



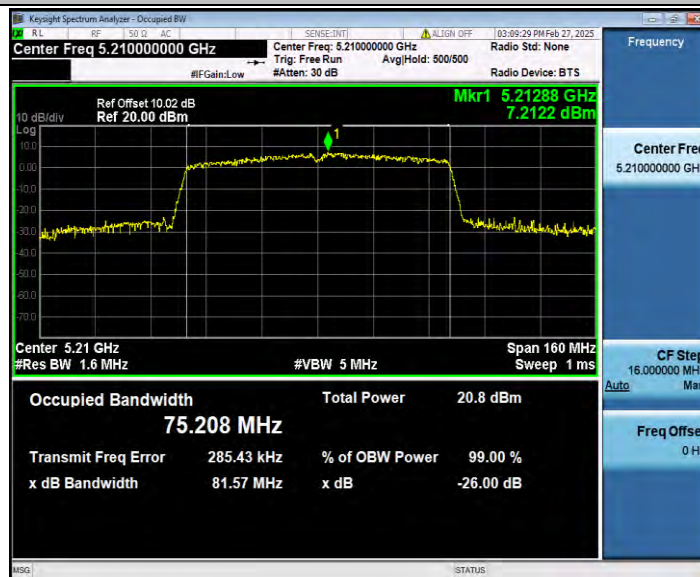
## 11AC40SISO\_Ant2\_5190



## 11AC40SISO\_Ant2\_5230



11AC80SISO\_Ant2\_5210



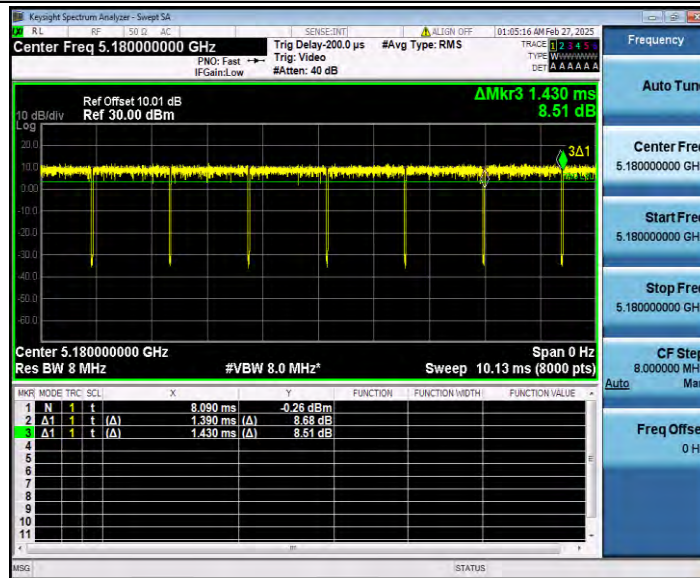
## Appendix D.3: Duty Cycle

### Test Result

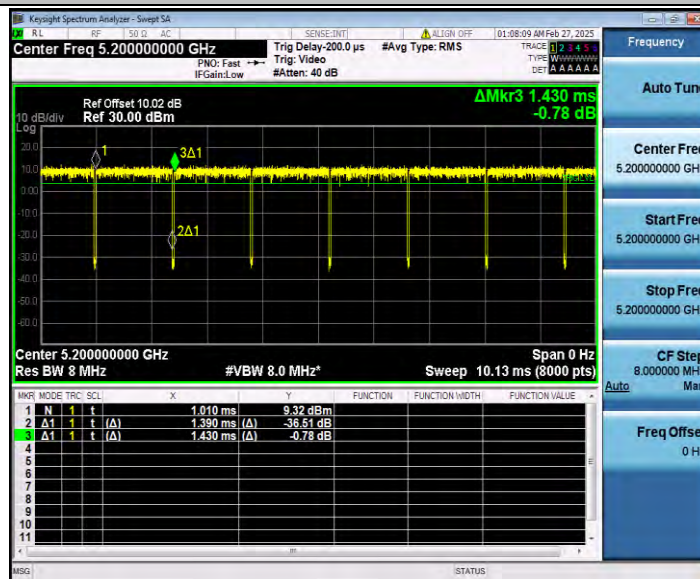
| TestMode   | Antenna | Freq(MHz) | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Duty Cycle Factor[dB] | 1/T Factor[KHz] |
|------------|---------|-----------|----------------------------|--------------------------|----------------|-----------------------|-----------------|
| 11A        | Ant2    | 5180      | 1.39                       | 1.43                     | 97.20          | 0.12                  | 0.72            |
|            |         | 5200      | 1.39                       | 1.43                     | 97.20          | 0.12                  | 0.72            |
|            |         | 5240      | 1.39                       | 1.42                     | 97.89          | 0.09                  | 0.72            |
| 11N20SISO  | Ant2    | 5180      | 1.30                       | 1.33                     | 97.74          | 0.10                  | 0.77            |
|            |         | 5200      | 1.30                       | 1.34                     | 97.01          | 0.13                  | 0.77            |
|            |         | 5240      | 1.30                       | 1.34                     | 97.01          | 0.13                  | 0.77            |
| 11N40SISO  | Ant2    | 5190      | 0.65                       | 0.69                     | 94.20          | 0.26                  | 1.54            |
|            |         | 5230      | 0.65                       | 0.69                     | 94.20          | 0.26                  | 1.54            |
| 11AC20SISO | Ant2    | 5180      | 1.31                       | 1.34                     | 97.76          | 0.10                  | 0.76            |
|            |         | 5200      | 1.31                       | 1.35                     | 97.04          | 0.13                  | 0.76            |
|            |         | 5240      | 1.31                       | 1.35                     | 97.04          | 0.13                  | 0.76            |
| 11AC40SISO | Ant2    | 5190      | 0.65                       | 0.69                     | 94.20          | 0.26                  | 1.54            |
|            |         | 5230      | 0.65                       | 0.69                     | 94.20          | 0.26                  | 1.54            |
| 11AC80SISO | Ant2    | 5210      | 0.32                       | 0.36                     | 88.89          | 0.51                  | 3.13            |

## Test Graphs

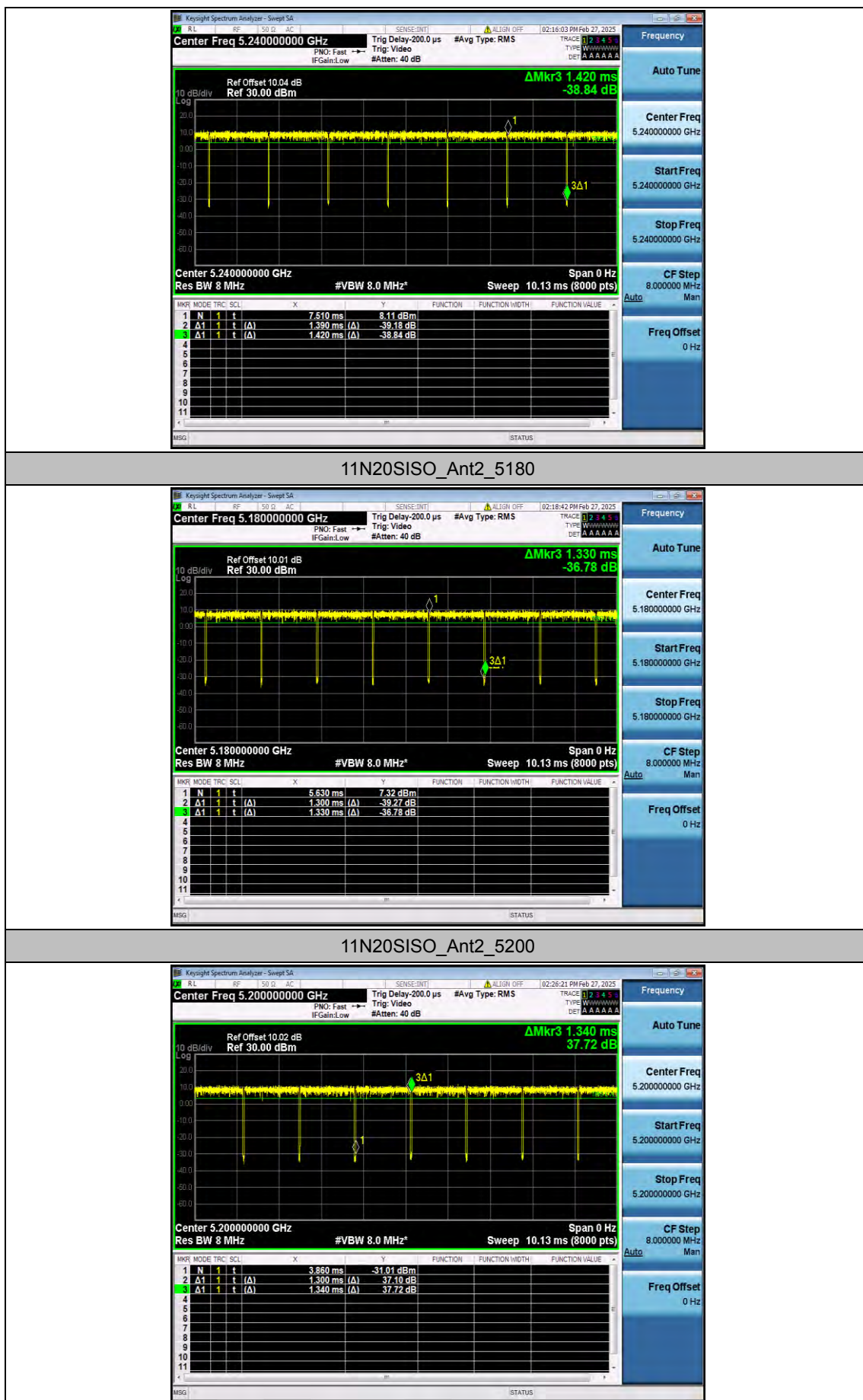
11A\_Ant2\_5180



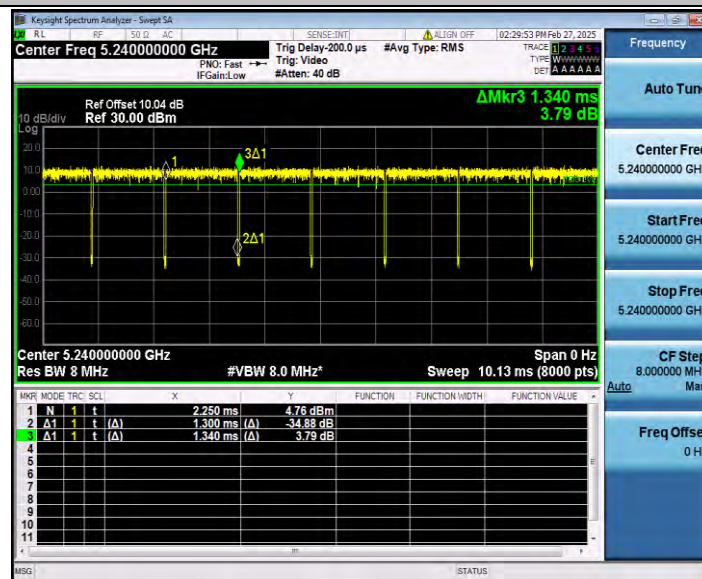
11A\_Ant2\_5200



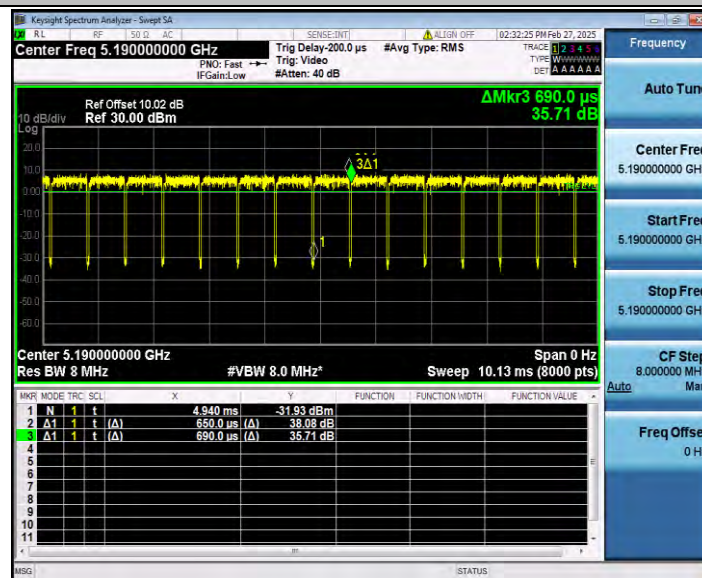
11A\_Ant2\_5240



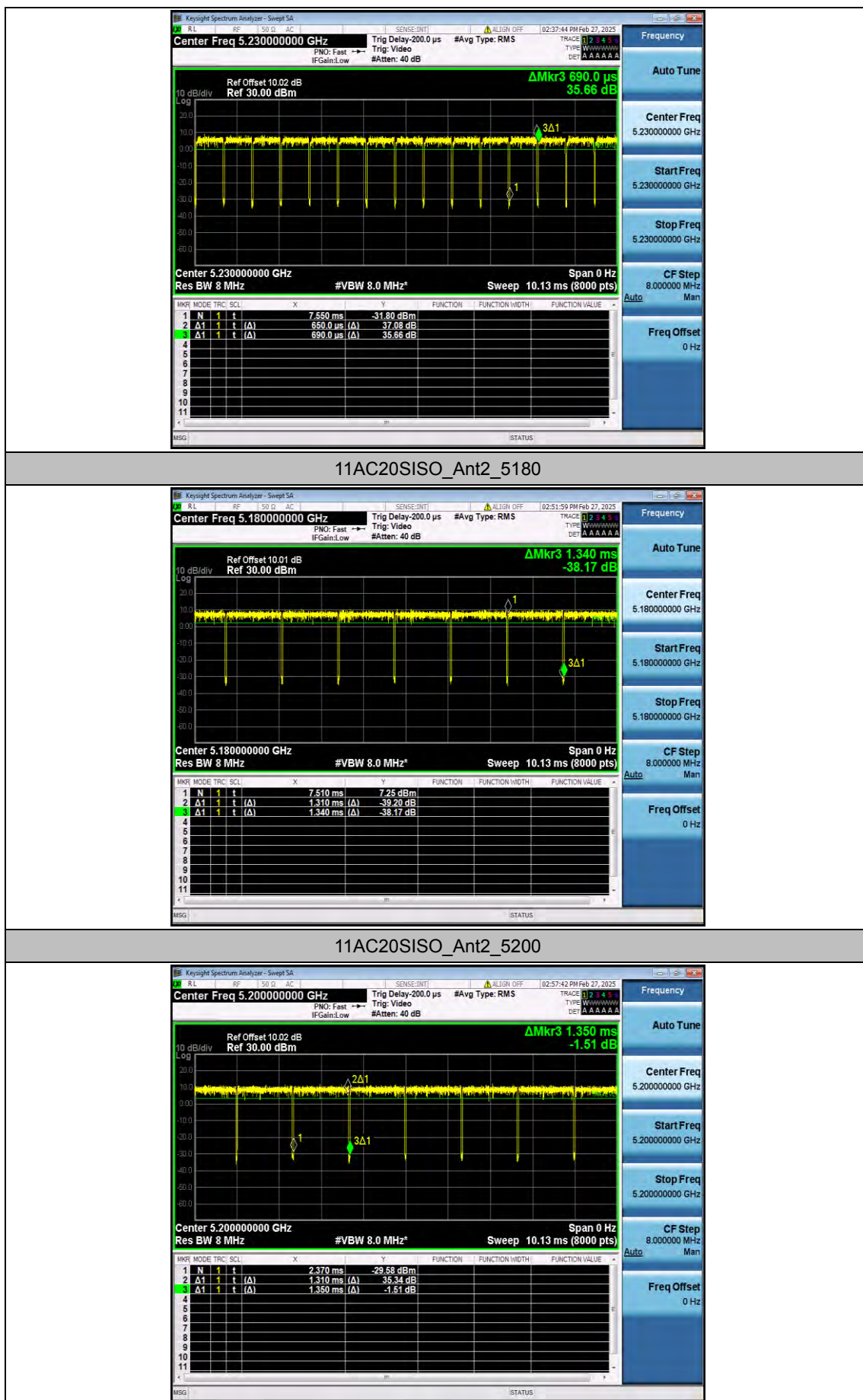
## 11N20SISO\_Ant2\_5240

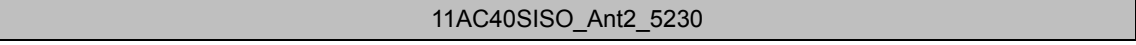
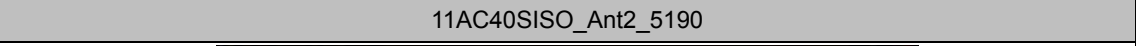


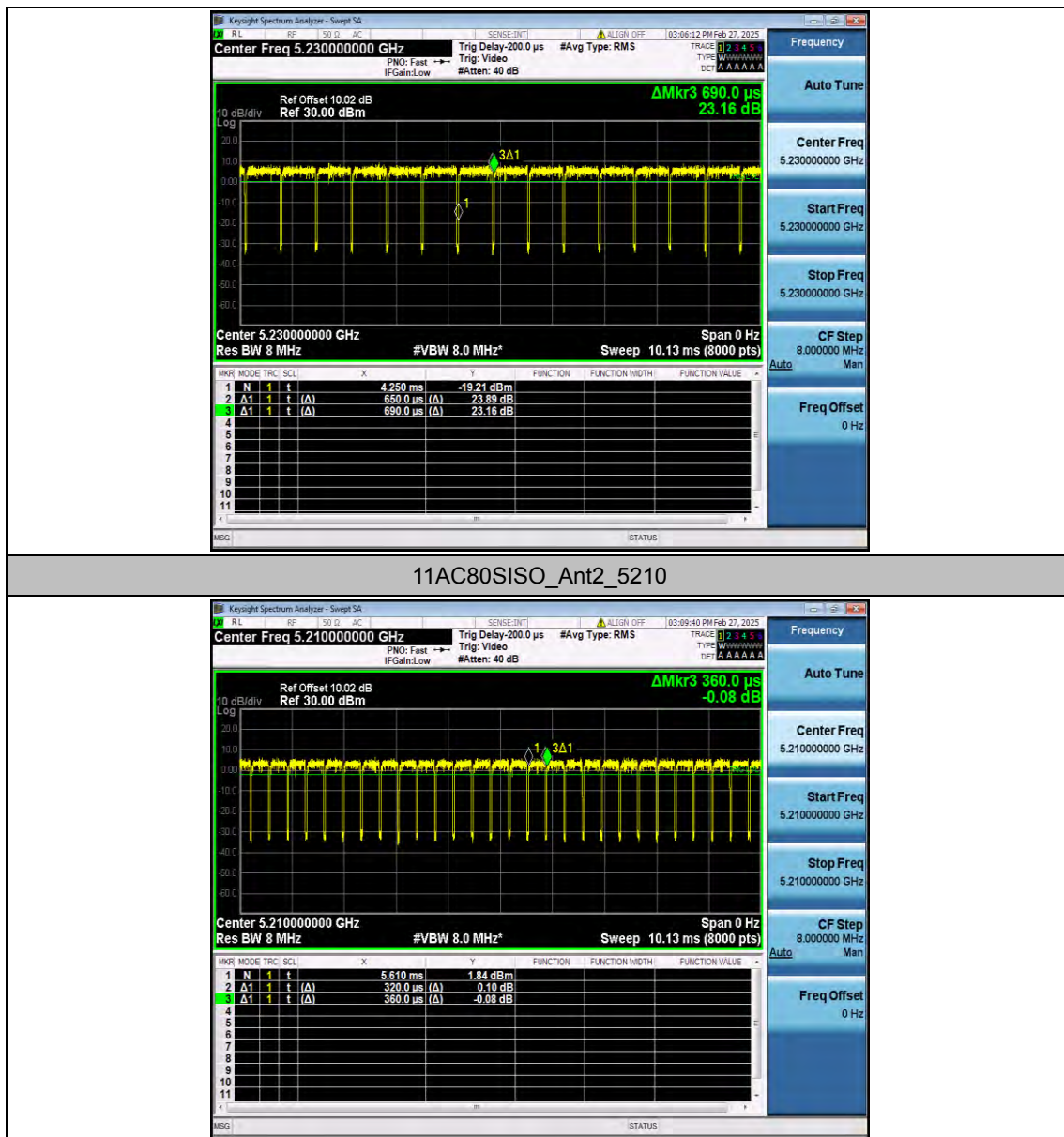
## 11N40SISO\_Ant2\_5190



## 11N40SISO\_Ant2\_5230







## Appendix D.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      | 11.35               | 97.20          | 0.12            | 11.47        | ≤23.98      | PASS    |
|            |         | 5200      | 11.74               | 97.20          | 0.12            | 11.86        | ≤23.98      | PASS    |
|            |         | 5240      | 11.30               | 97.89          | 0.09            | 11.39        | ≤23.98      | PASS    |
| 11N20SISO  | Ant2    | 5180      | 10.27               | 97.74          | 0.10            | 10.37        | ≤23.98      | PASS    |
|            |         | 5200      | 11.44               | 97.01          | 0.13            | 11.57        | ≤23.98      | PASS    |
|            |         | 5240      | 11.36               | 97.01          | 0.13            | 11.49        | ≤23.98      | PASS    |
| 11N40SISO  | Ant2    | 5190      | 10.82               | 94.20          | 0.26            | 11.08        | ≤23.98      | PASS    |
|            |         | 5230      | 10.99               | 94.20          | 0.26            | 11.25        | ≤23.98      | PASS    |
| 11AC20SISO | Ant2    | 5180      | 10.29               | 97.76          | 0.10            | 10.39        | ≤23.98      | PASS    |
|            |         | 5200      | 11.45               | 97.04          | 0.13            | 11.58        | ≤23.98      | PASS    |
|            |         | 5240      | 12.14               | 97.04          | 0.13            | 12.27        | ≤23.98      | PASS    |
| 11AC40SISO | Ant2    | 5190      | 9.53                | 94.20          | 0.26            | 9.79         | ≤23.98      | PASS    |
|            |         | 5230      | 11.12               | 94.20          | 0.26            | 11.38        | ≤23.98      | PASS    |
| 11AC80SISO | Ant2    | 5210      | 11.46               | 88.89          | 0.51            | 11.97        | ≤23.98      | PASS    |

## Appendix D.5: Maximum power spectral density

### Test Result

| TestMode   | Antenna | Freq(MHz) | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|-----------|------------------|----------------|---------|
| 11A        | Ant2    | 5180      | 0.74             | ≤11.00         | PASS    |
|            |         | 5200      | 1.17             | ≤11.00         | PASS    |
|            |         | 5240      | 0.71             | ≤11.00         | PASS    |
| 11N20SISO  | Ant2    | 5180      | -0.41            | ≤11.00         | PASS    |
|            |         | 5200      | 0.64             | ≤11.00         | PASS    |
|            |         | 5240      | 0.83             | ≤11.00         | PASS    |
| 11N40SISO  | Ant2    | 5190      | -2.35            | ≤11.00         | PASS    |
|            |         | 5230      | -2.24            | ≤11.00         | PASS    |
| 11AC20SISO | Ant2    | 5180      | -0.37            | ≤11.00         | PASS    |
|            |         | 5200      | 0.79             | ≤11.00         | PASS    |
|            |         | 5240      | 1.46             | ≤11.00         | PASS    |
| 11AC40SISO | Ant2    | 5190      | -3.69            | ≤11.00         | PASS    |
|            |         | 5230      | -2.17            | ≤11.00         | PASS    |
| 11AC80SISO | Ant2    | 5210      | -4.40            | ≤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\_Ant2\_5180



11A\_Ant2\_5200



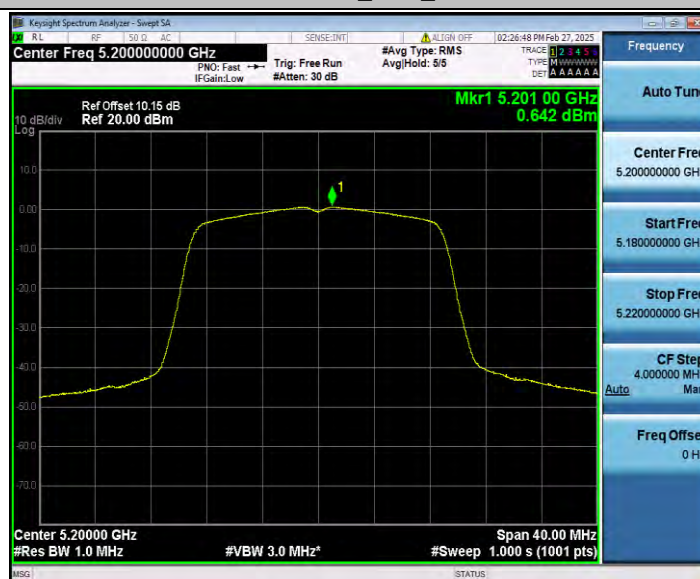
11A\_Ant2\_5240



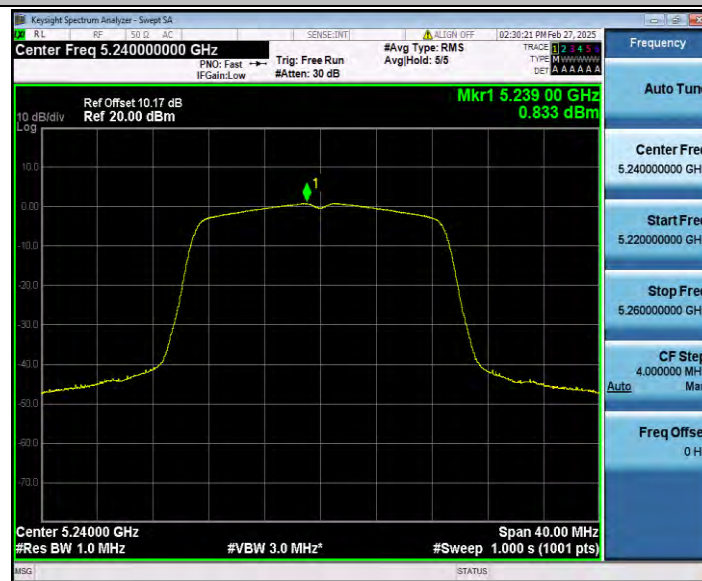
11N20SISO\_Ant2\_5180



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



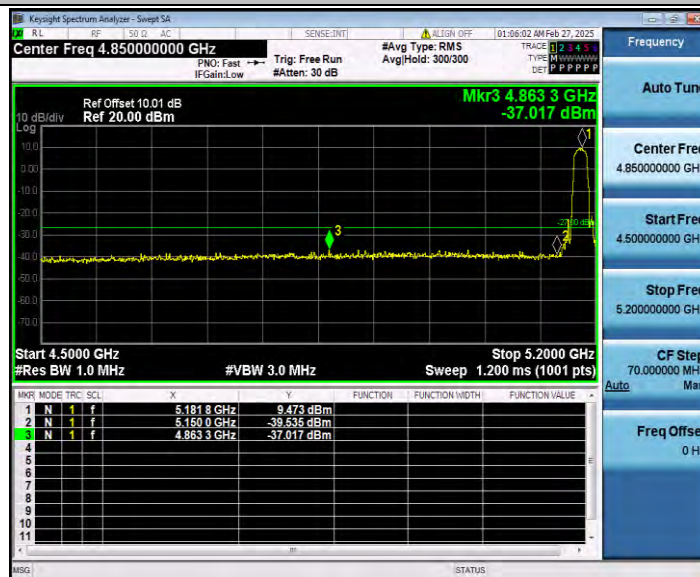
## Appendix D.6: Band edge measurements

### Test Result B1

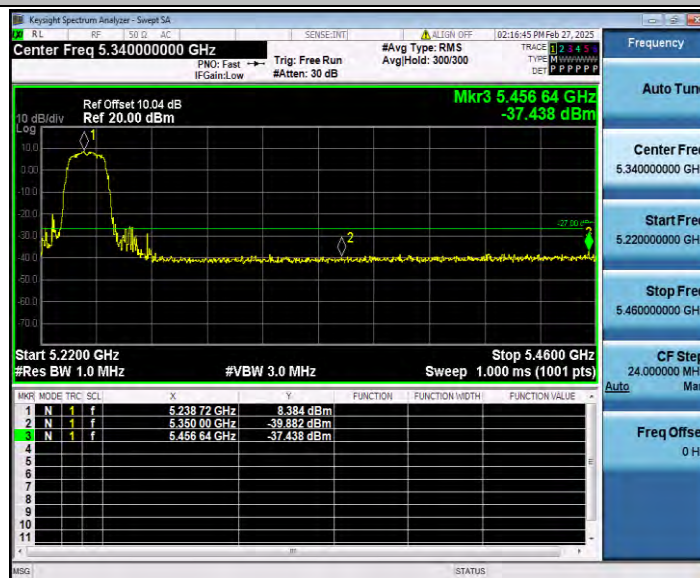
| TestMode   | Antenna | ChName | Freq(MHz) | Result[dBm] | Limit[dBm] | Verdict |
|------------|---------|--------|-----------|-------------|------------|---------|
| 11A        | Ant2    | Low    | 5180      | -37.02      | $\leq -27$ | PASS    |
|            |         | High   | 5240      | -37.44      | $\leq -27$ | PASS    |
| 11N20SISO  | Ant2    | Low    | 5180      | -37.53      | $\leq -27$ | PASS    |
|            |         | High   | 5240      | -37.46      | $\leq -27$ | PASS    |
| 11N40SISO  | Ant2    | Low    | 5190      | -31.52      | $\leq -27$ | PASS    |
|            |         | High   | 5230      | -37.23      | $\leq -27$ | PASS    |
| 11AC20SISO | Ant2    | Low    | 5180      | -36.86      | $\leq -27$ | PASS    |
|            |         | High   | 5240      | -37.34      | $\leq -27$ | PASS    |
| 11AC40SISO | Ant2    | Low    | 5190      | -37.26      | $\leq -27$ | PASS    |
|            |         | High   | 5230      | -37.39      | $\leq -27$ | PASS    |
| 11AC80SISO | Ant2    | Low    | 5210      | -29.96      | $\leq -27$ | PASS    |
|            |         | High   | 5210      | -36.45      | $\leq -27$ | PASS    |

## Test Graphs B1

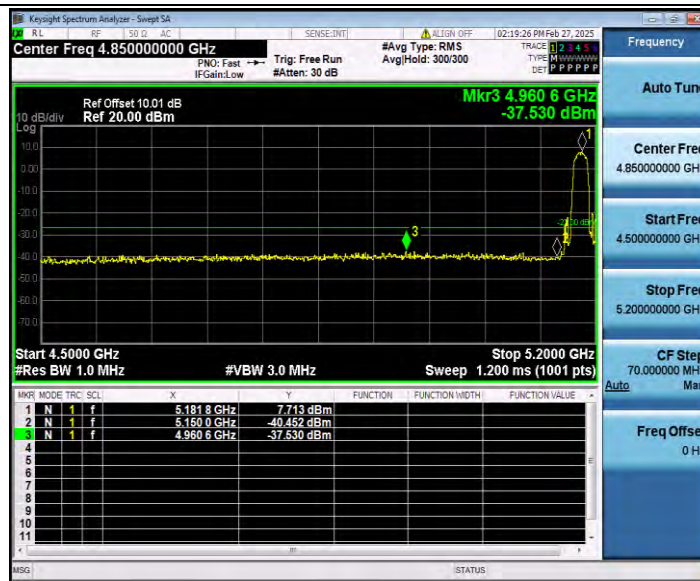
11A\_Ant2\_Low\_5180



11A\_Ant2\_High\_5240



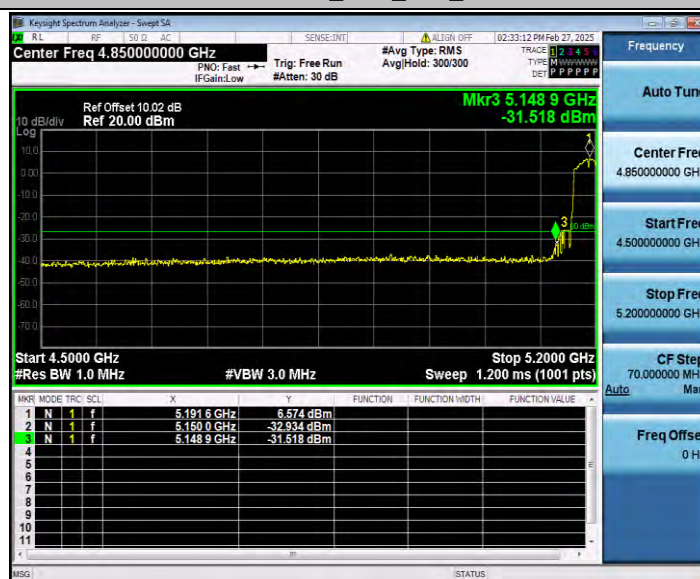
11N20SISO\_Ant2\_Low\_5180



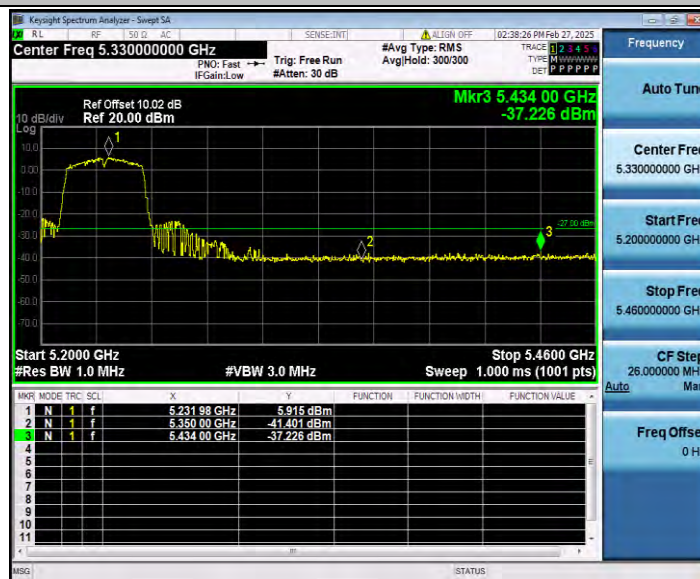
11N20SISO\_Ant2\_High\_5240



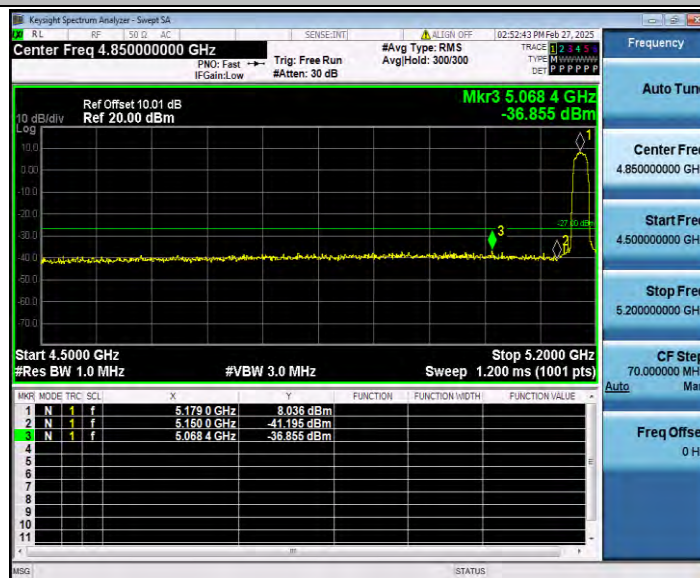
11N40SISO\_Ant2\_Low\_5190



## 11N40SISO\_Ant2\_High\_5230



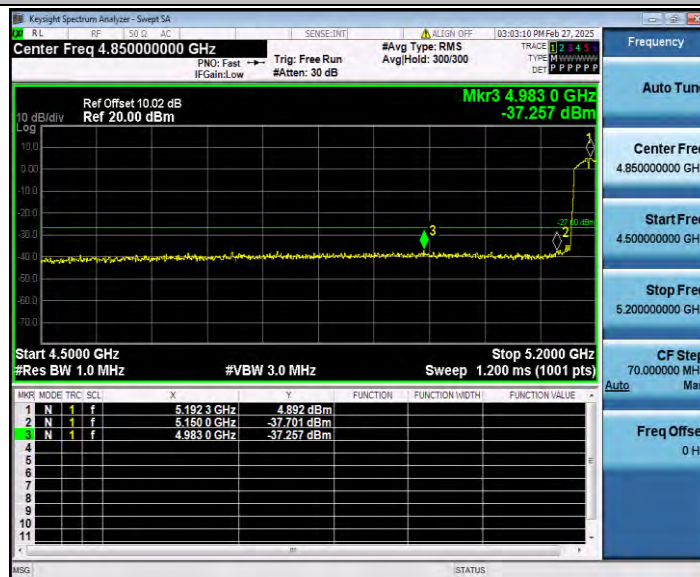
## 11AC20SISO\_Ant2\_Low\_5180



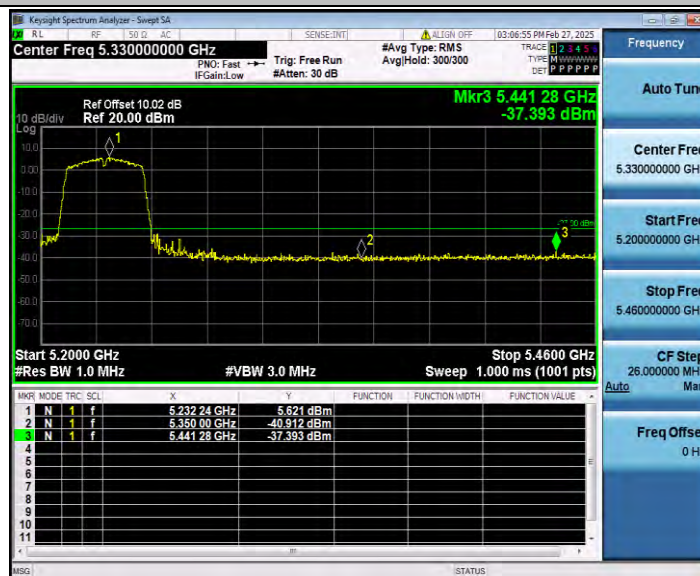
## 11AC20SISO\_Ant2\_High\_5240



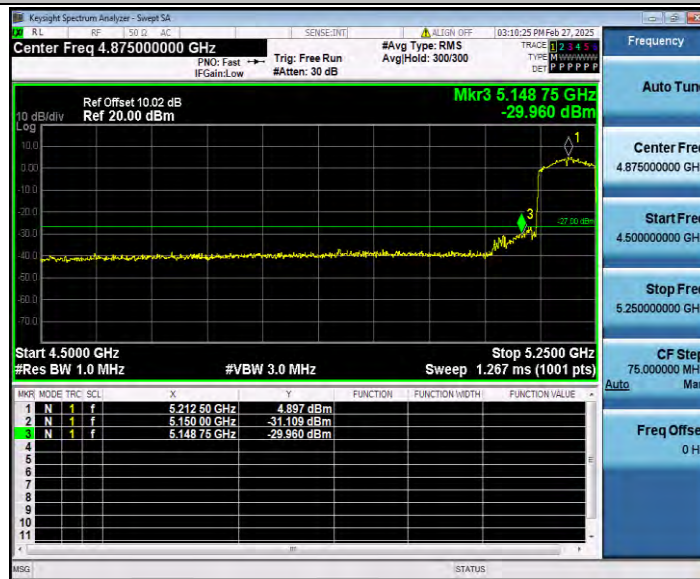
11AC40SISO\_Ant2\_Low\_5190



11AC40SISO\_Ant2\_High\_5230



## 11AC80SISO\_Ant2\_Low\_5210



## 11AC80SISO\_Ant2\_High\_5210



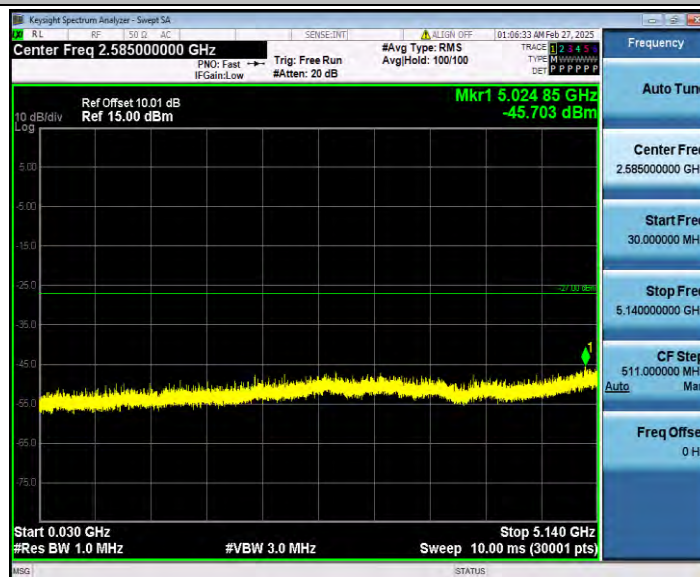
## Appendix D.7: Conducted Spurious Emission

### Test Result

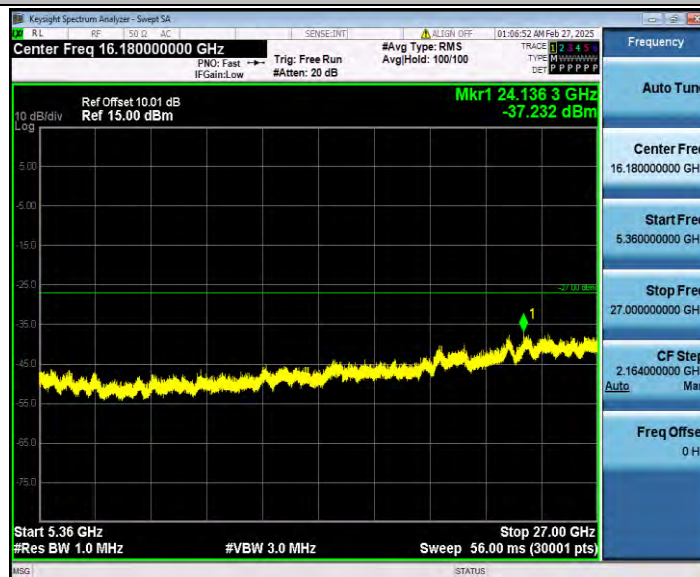
| TestMode   | Antenna | Freq(MHz) | FreqRange [MHz] | Max. Fre [MHz] | Max. Level [dBm] | Limit [dBm] | Verdict |
|------------|---------|-----------|-----------------|----------------|------------------|-------------|---------|
| 11A        | Ant2    | 5180      | 30~5140         | 5024.85        | -45.7            | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 24136.31       | -37.23           | ≤-27        | PASS    |
|            |         | 5200      | 30~5140         | 5041.55        | -45.81           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 24237.29       | -37.02           | ≤-27        | PASS    |
|            |         | 5240      | 30~5140         | 5038.14        | -46.49           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 25118.04       | -37.9            | ≤-27        | PASS    |
| 11N20SISO  | Ant2    | 5180      | 30~5140         | 2627.75        | -45.45           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 24280.57       | -37.18           | ≤-27        | PASS    |
|            |         | 5200      | 30~5140         | 3274.17        | -45.65           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 24360.64       | -37.57           | ≤-27        | PASS    |
|            |         | 5240      | 30~5140         | 5072.89        | -46.55           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 24307.26       | -37.11           | ≤-27        | PASS    |
| 11N40SISO  | Ant2    | 5190      | 30~5140         | 5104.91        | -44.67           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 25491.69       | -36.65           | ≤-27        | PASS    |
|            |         | 5230      | 30~5140         | 5048.7         | -45.64           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 24182.47       | -37.06           | ≤-27        | PASS    |
| 11AC20SISO | Ant2    | 5180      | 30~5140         | 5138.64        | -45.75           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 23507.3        | -37.45           | ≤-27        | PASS    |
|            |         | 5200      | 30~5140         | 5030.14        | -45.7            | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 24273.36       | -36.78           | ≤-27        | PASS    |
|            |         | 5240      | 30~5140         | 5043.93        | -45.96           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 24276.25       | -37.25           | ≤-27        | PASS    |
| 11AC40SISO | Ant2    | 5190      | 30~5140         | 5062.67        | -45.8            | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 23515.24       | -36.65           | ≤-27        | PASS    |
|            |         | 5230      | 30~5140         | 5134.21        | -46.16           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 24259.65       | -36.27           | ≤-27        | PASS    |
| 11AC80SISO | Ant2    | 5210      | 30~5140         | 5139.15        | -31.63           | ≤-27        | PASS    |
|            |         |           | 5360~27000      | 24228.64       | -37.18           | ≤-27        | PASS    |

## Test Graphs

11A\_Ant2\_5180\_30~5140



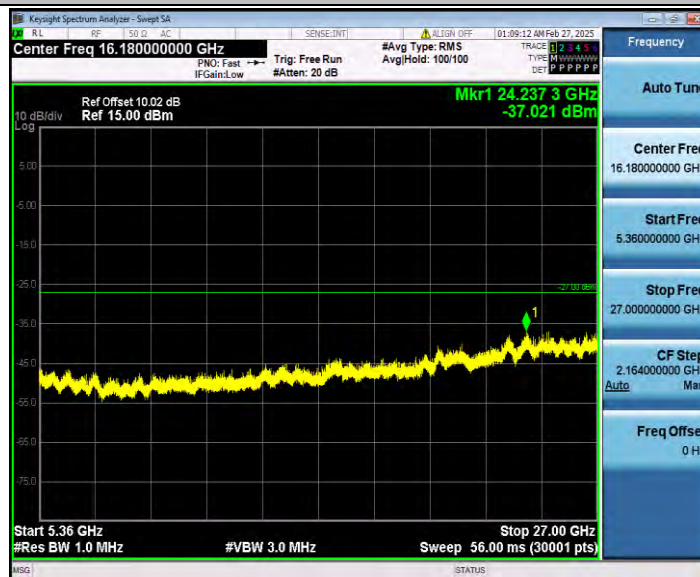
11A\_Ant2\_5180\_5360~27000



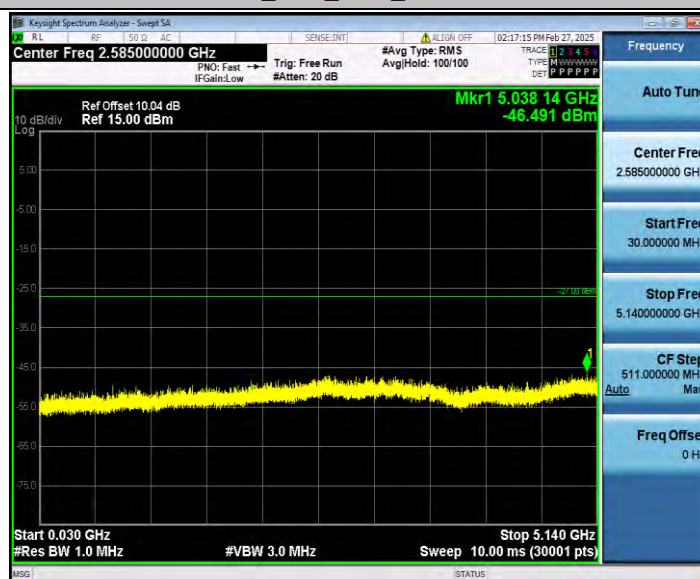
11A\_Ant2\_5200\_30~5140



11A\_Ant2\_5200\_5360~27000



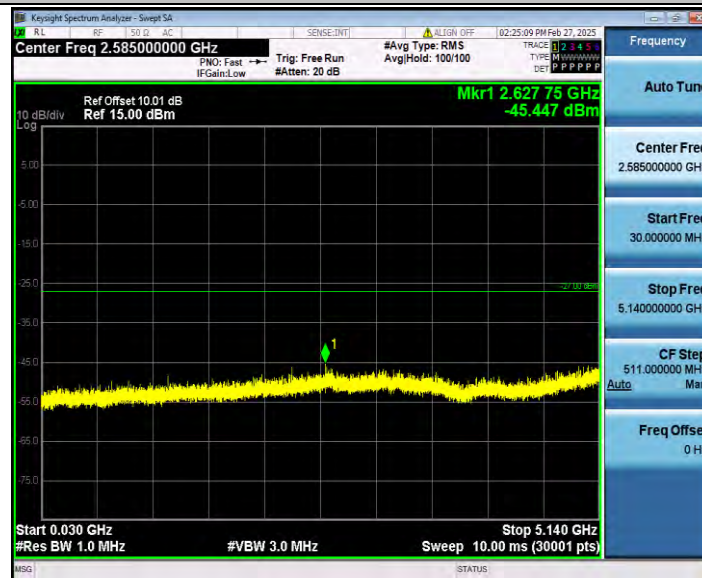
11A\_Ant2\_5240\_30~5140



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



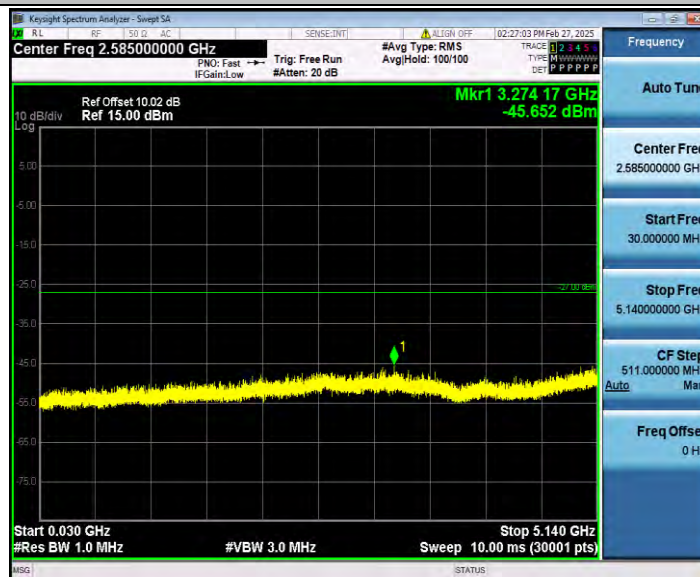
## 11N20SISO\_Ant2\_5180\_30~5140



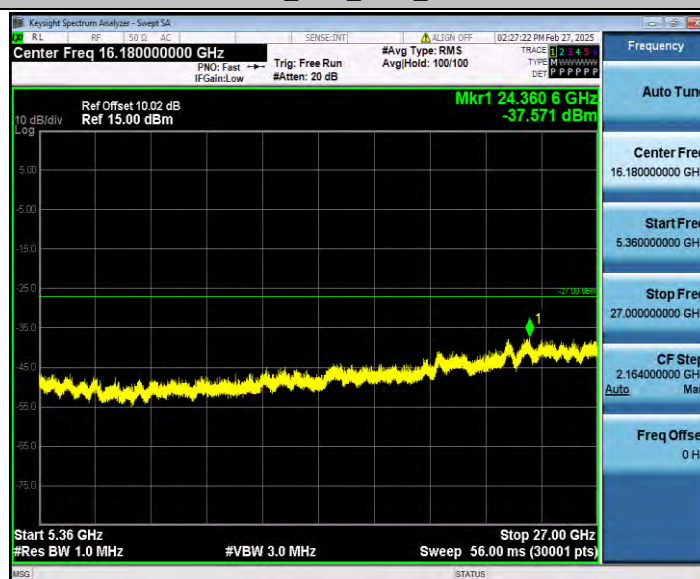
## 11N20SISO\_Ant2\_5180\_5360~27000



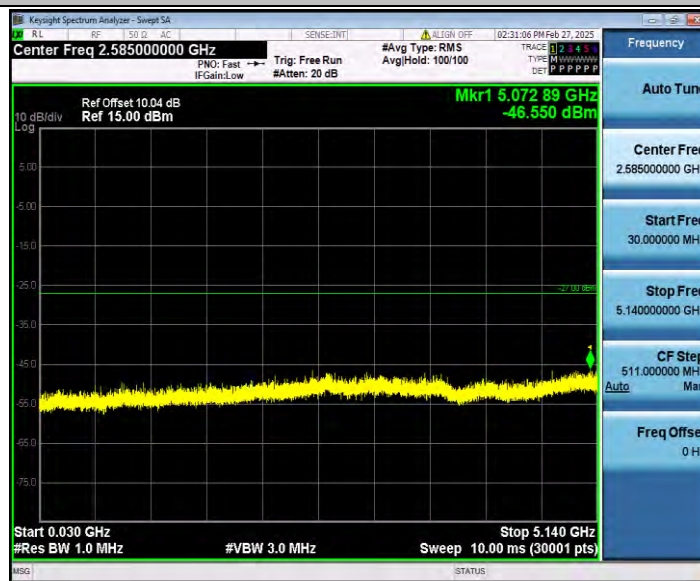
11N20SISO\_Ant2\_5200\_30~5140



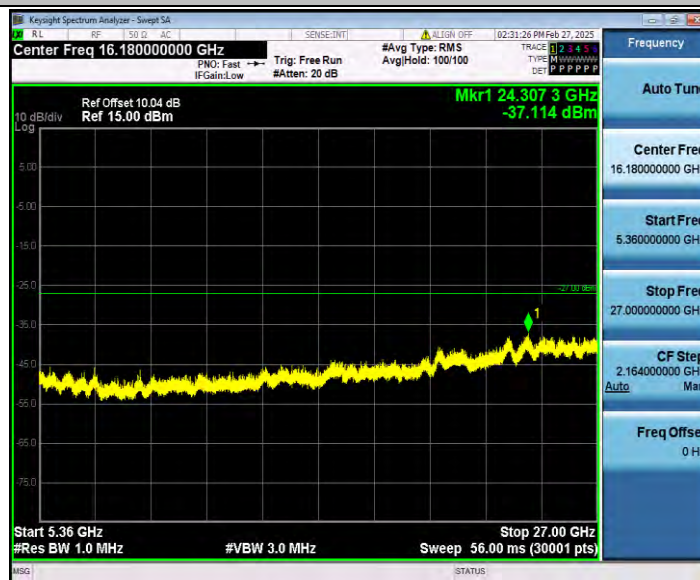
11N20SISO\_Ant2\_5200\_5360~27000



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



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



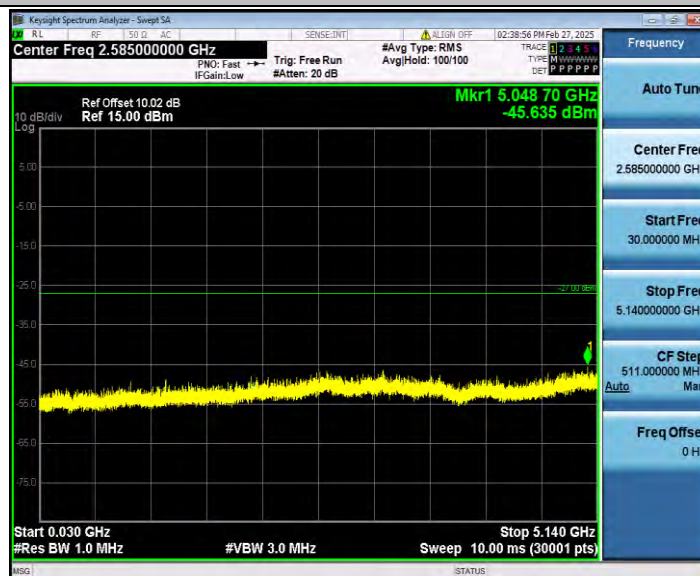
## 11N40SISO\_Ant2\_5190\_30~5140



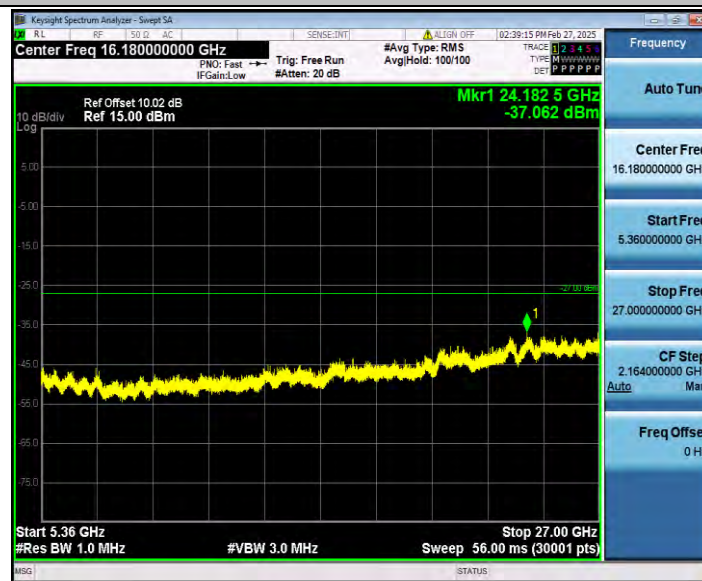
11N40SISO\_Ant2\_5190\_5360~27000



11N40SISO\_Ant2\_5230\_30~5140



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



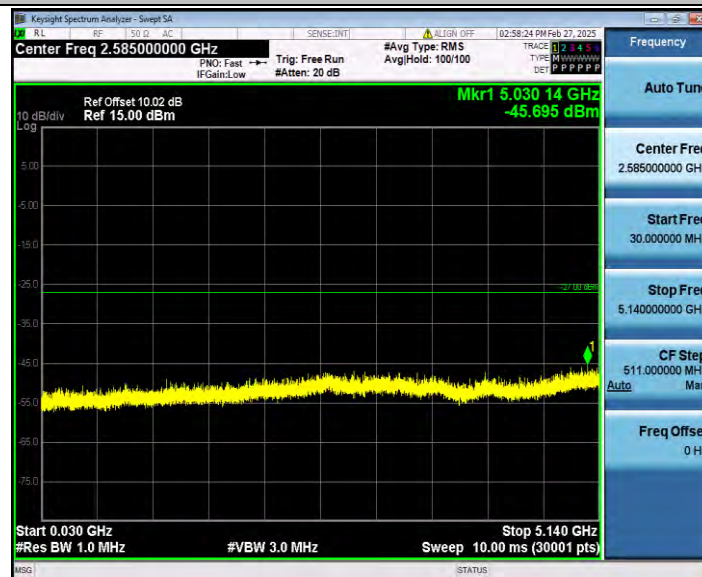
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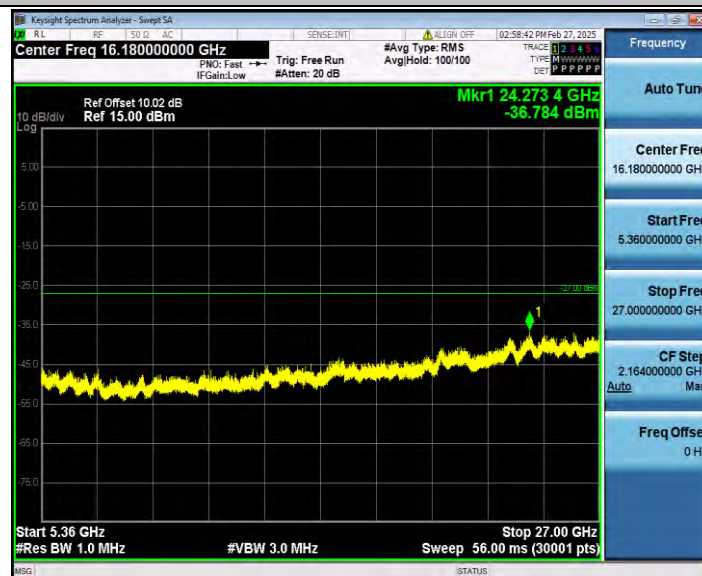
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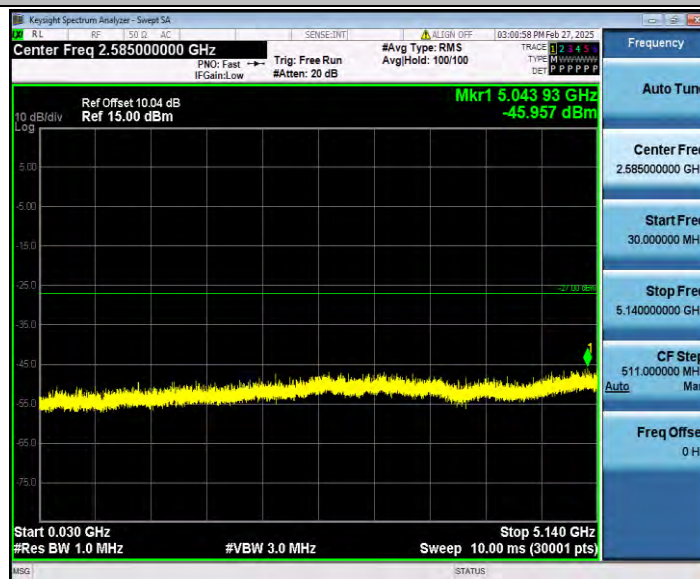
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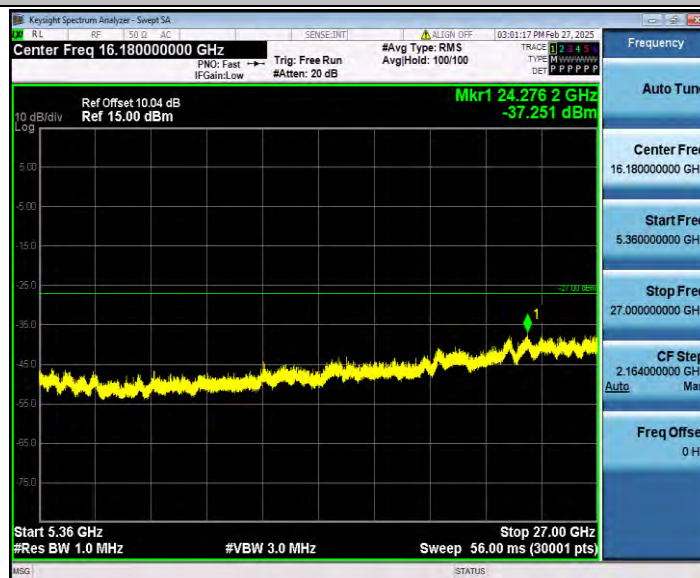
11AC20SISO\_Ant2\_5200\_5360~27000



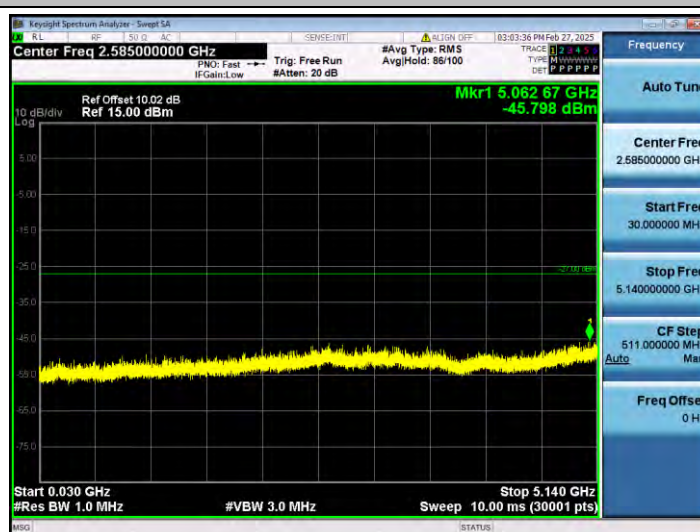
## 11AC20SISO\_Ant2\_5240\_30~5140



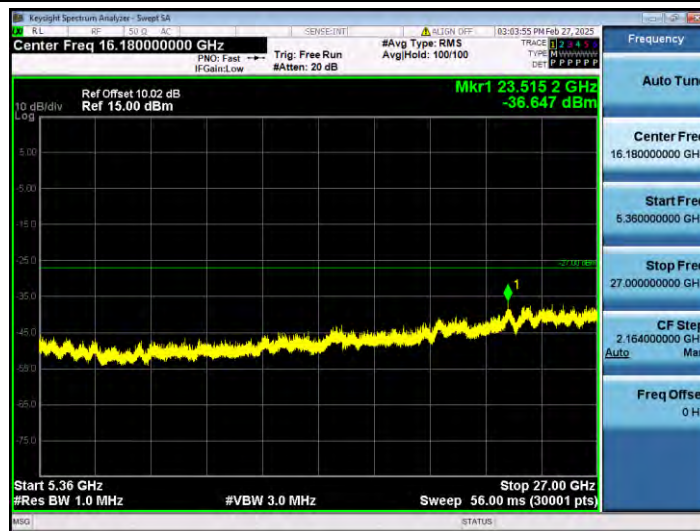
## 11AC20SISO\_Ant2\_5240\_5360~27000



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



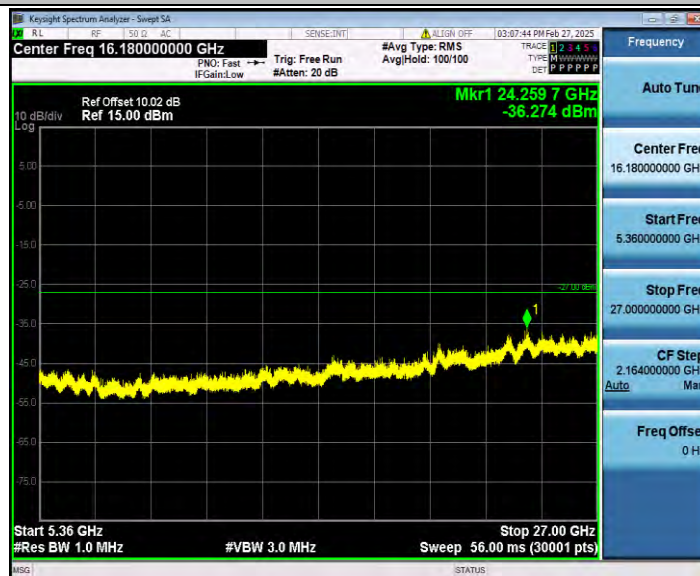
## 11AC40SISO\_Ant2\_5190\_5360~27000



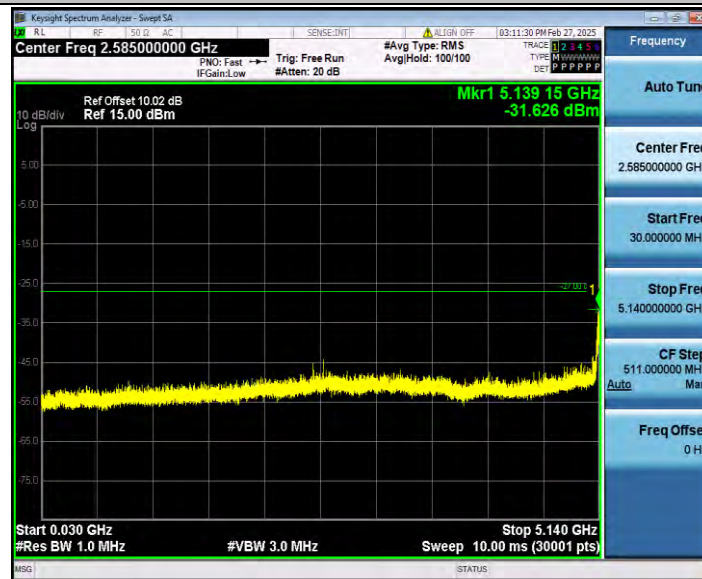
## 11AC40SISO\_Ant2\_5230\_30~5140



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



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



## 11AC80SISO\_Ant2\_5210\_5360~27000

