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| <b>Case No. :</b> <u>GTS20230321014-1-4</u>                                |
| <b>Ambient Condition:</b> <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,      |
| <b>Test Date:</b> <u>2023.4.24</u> <b>Test Engineer:</b> <u>Jenny zeng</u> |

## 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           | 22.360               | 5168.840 | 5191.200 | ---        | ---     |
|            |         | 5200           | 22.080               | 5189.240 | 5211.320 | ---        | ---     |
|            |         | 5240           | 22.600               | 5228.960 | 5251.560 | ---        | ---     |
| 11N20SISO  | Ant1    | 5180           | 22.120               | 5169.080 | 5191.200 | ---        | ---     |
|            |         | 5200           | 22.120               | 5189.200 | 5211.320 | ---        | ---     |
|            |         | 5240           | 22.680               | 5228.680 | 5251.360 | ---        | ---     |
| 11N40SISO  | Ant1    | 5190           | 42.560               | 5169.200 | 5211.760 | ---        | ---     |
|            |         | 5230           | 42.880               | 5208.800 | 5251.680 | ---        | ---     |
| 11AC20SISO | Ant1    | 5180           | 22.360               | 5168.840 | 5191.200 | ---        | ---     |
|            |         | 5200           | 23.000               | 5188.600 | 5211.600 | ---        | ---     |
|            |         | 5240           | 22.760               | 5228.800 | 5251.560 | ---        | ---     |
| 11AC40SISO | Ant1    | 5190           | 42.800               | 5169.360 | 5212.160 | ---        | ---     |
|            |         | 5230           | 42.160               | 5209.200 | 5251.360 | ---        | ---     |
| 11AC80SISO | Ant1    | 5210           | 84.480               | 5168.720 | 5253.200 | ---        | ---     |
| 11AX20SISO | Ant1    | 5180           | 23.000               | 5168.800 | 5191.800 | ---        | ---     |
|            |         | 5200           | 22.440               | 5189.040 | 5211.480 | ---        | ---     |
|            |         | 5240           | 22.800               | 5228.840 | 5251.640 | ---        | ---     |
| 11AX40SISO | Ant1    | 5190           | 41.920               | 5169.680 | 5211.600 | ---        | ---     |
|            |         | 5230           | 42.000               | 5208.880 | 5250.880 | ---        | ---     |
| 11AX80SISO | Ant1    | 5210           | 82.560               | 5169.200 | 5251.760 | ---        | ---     |

## Test Graphs



11A\_Ant1\_5180



11A\_Ant1\_5200



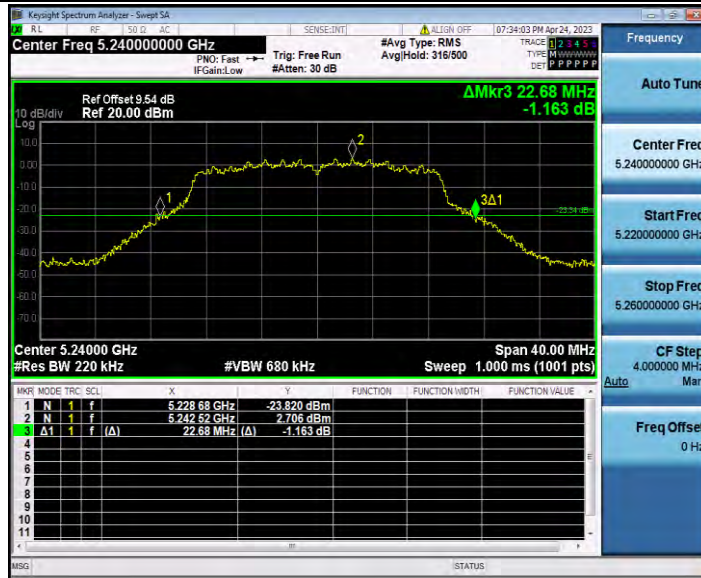
11A\_Ant1\_5240



11N20SISO\_Ant1\_5180



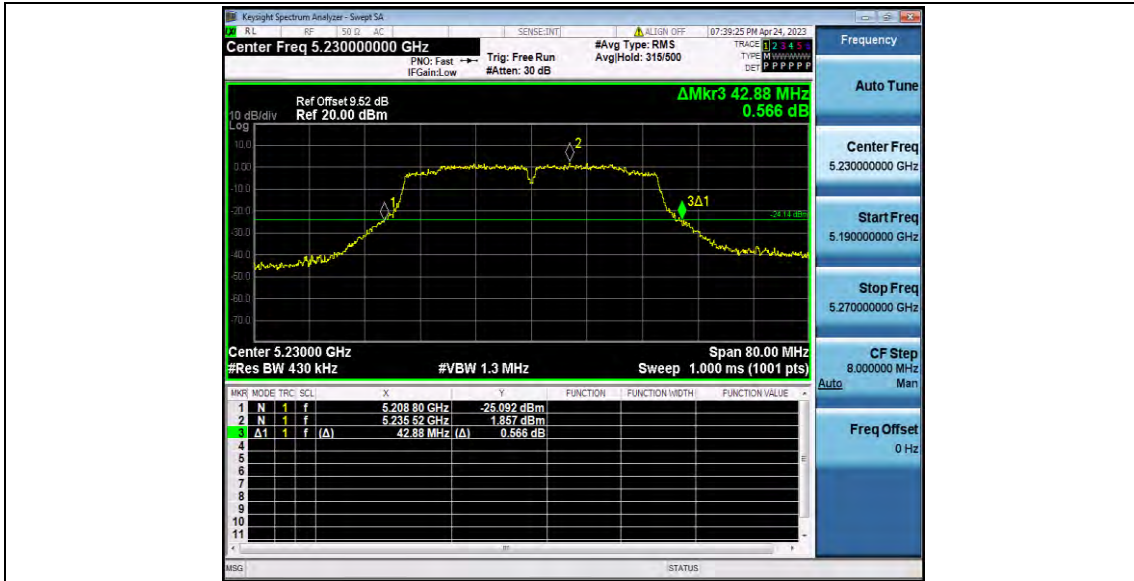
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11N20SISO\_Ant1\_5240



11N40SISO\_Ant1\_5190



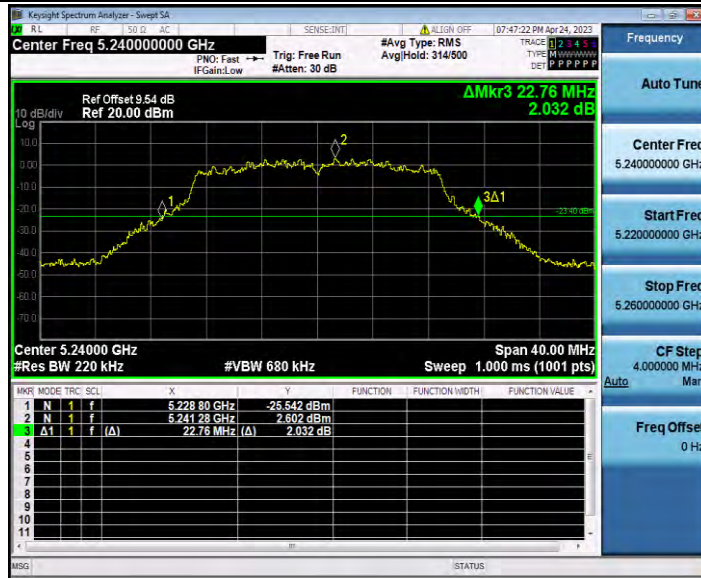
11N40SISO\_Ant1\_5230



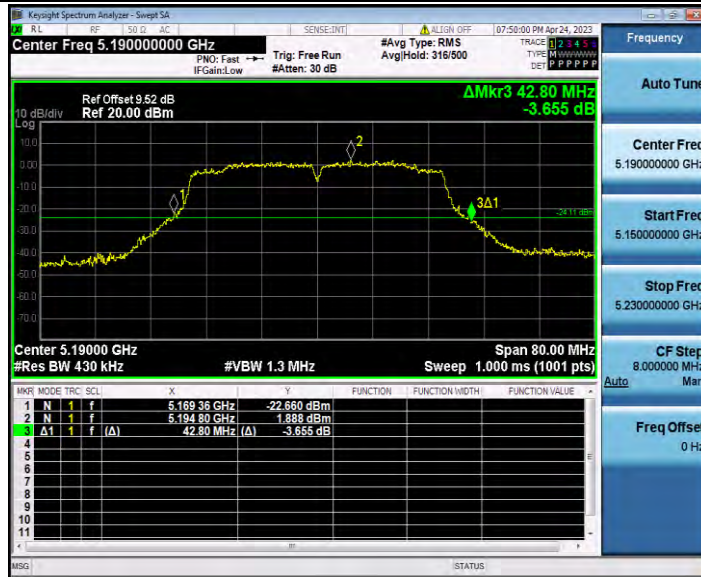
11AC20SISO\_Ant1\_5180



11AC20SISO\_Ant1\_5200



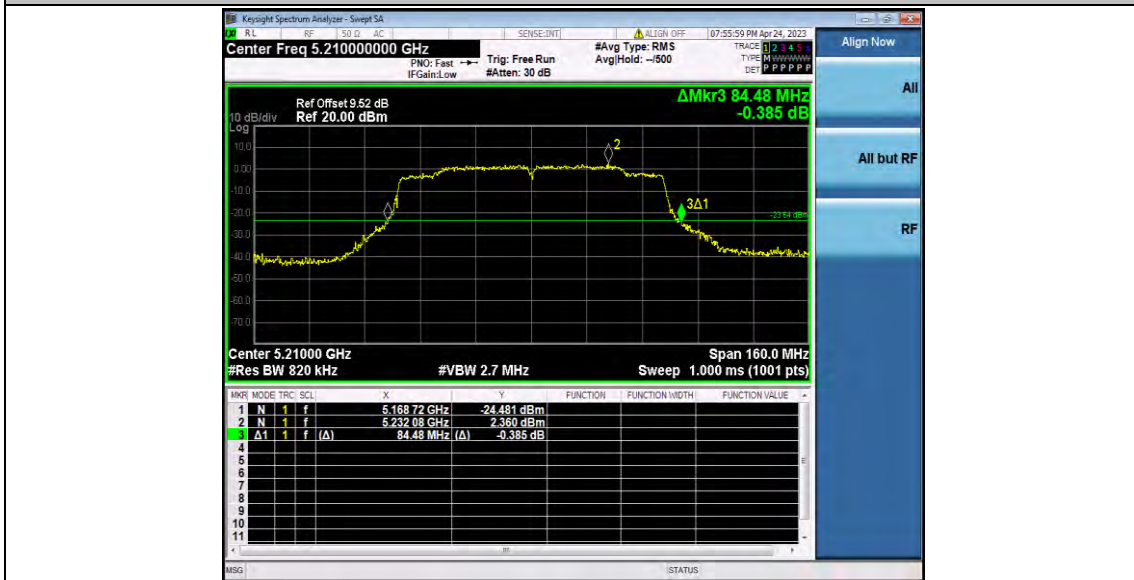
11AC20SISO\_Ant1\_5240



11AC40SISO\_Ant1\_5190



11AC40SISO\_Ant1\_5230



11AC80SISO\_Ant1\_5210



11AX20SISO\_Ant1\_5180

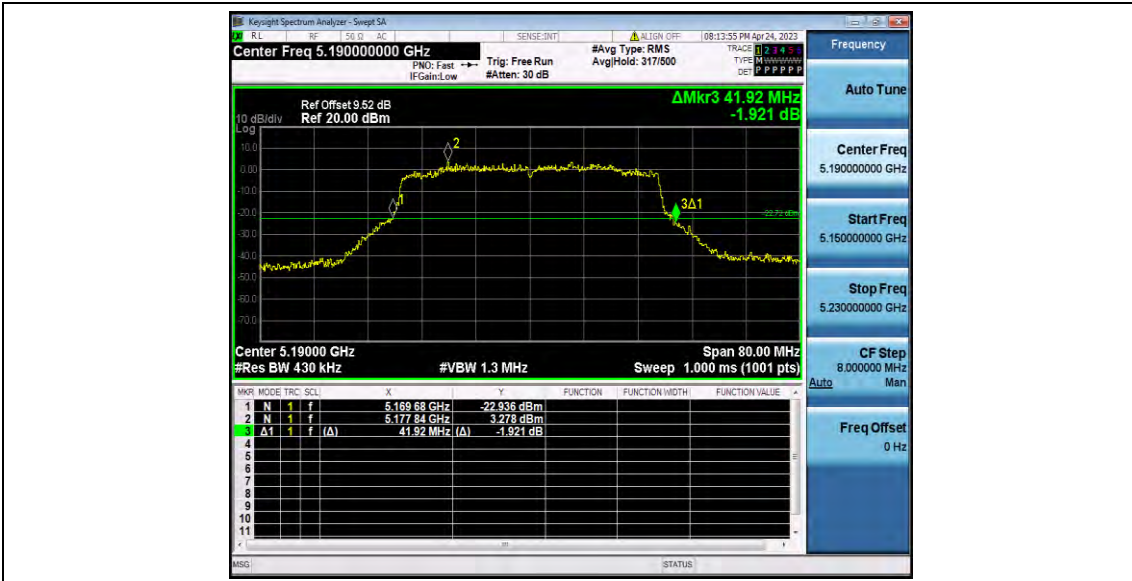


11AX20SISO\_Ant1\_5200



11AX20SISO\_Ant1\_5240





11AX40SISO\_Ant1\_5190



11AX40SISO\_Ant1\_5230



11AX80SISO\_Ant1\_5210

## Appendix D.2: Occupied channel bandwidth

### Test Result

| TestMode   | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|-----------|----------|----------|------------|---------|
| 11A        | Ant1    | 5180           | 17.014    | 5171.557 | 5188.571 | ---        | ---     |
|            |         | 5200           | 17.017    | 5191.555 | 5208.572 | ---        | ---     |
|            |         | 5240           | 16.974    | 5231.581 | 5248.555 | ---        | ---     |
| 11N20SISO  | Ant1    | 5180           | 18.060    | 5171.026 | 5189.086 | ---        | ---     |
|            |         | 5200           | 17.994    | 5191.055 | 5209.049 | ---        | ---     |
|            |         | 5240           | 18.042    | 5231.019 | 5249.061 | ---        | ---     |
| 11N40SISO  | Ant1    | 5190           | 36.199    | 5171.997 | 5208.196 | ---        | ---     |
|            |         | 5230           | 36.212    | 5211.970 | 5248.182 | ---        | ---     |
| 11AC20SISO | Ant1    | 5180           | 18.031    | 5171.032 | 5189.063 | ---        | ---     |
|            |         | 5200           | 17.938    | 5191.073 | 5209.011 | ---        | ---     |
|            |         | 5240           | 18.036    | 5231.059 | 5249.095 | ---        | ---     |
| 11AC40SISO | Ant1    | 5190           | 36.174    | 5171.973 | 5208.147 | ---        | ---     |
|            |         | 5230           | 36.137    | 5211.959 | 5248.096 | ---        | ---     |
| 11AC80SISO | Ant1    | 5210           | 75.085    | 5172.671 | 5247.756 | ---        | ---     |
| 11AX20SISO | Ant1    | 5180           | 18.970    | 5170.536 | 5189.506 | ---        | ---     |
|            |         | 5200           | 19.007    | 5190.522 | 5209.529 | ---        | ---     |
|            |         | 5240           | 19.007    | 5230.526 | 5249.533 | ---        | ---     |
| 11AX40SISO | Ant1    | 5190           | 37.674    | 5171.285 | 5208.959 | ---        | ---     |
|            |         | 5230           | 37.716    | 5211.224 | 5248.940 | ---        | ---     |
| 11AX80SISO | Ant1    | 5210           | 76.692    | 5171.846 | 5248.538 | ---        | ---     |

## 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



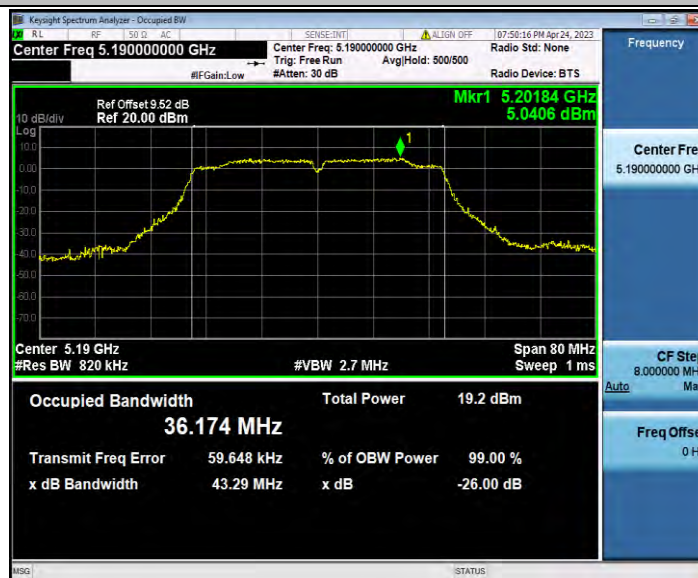
11AC20SISO\_Ant1\_5180



11AC20SISO\_Ant1\_5200



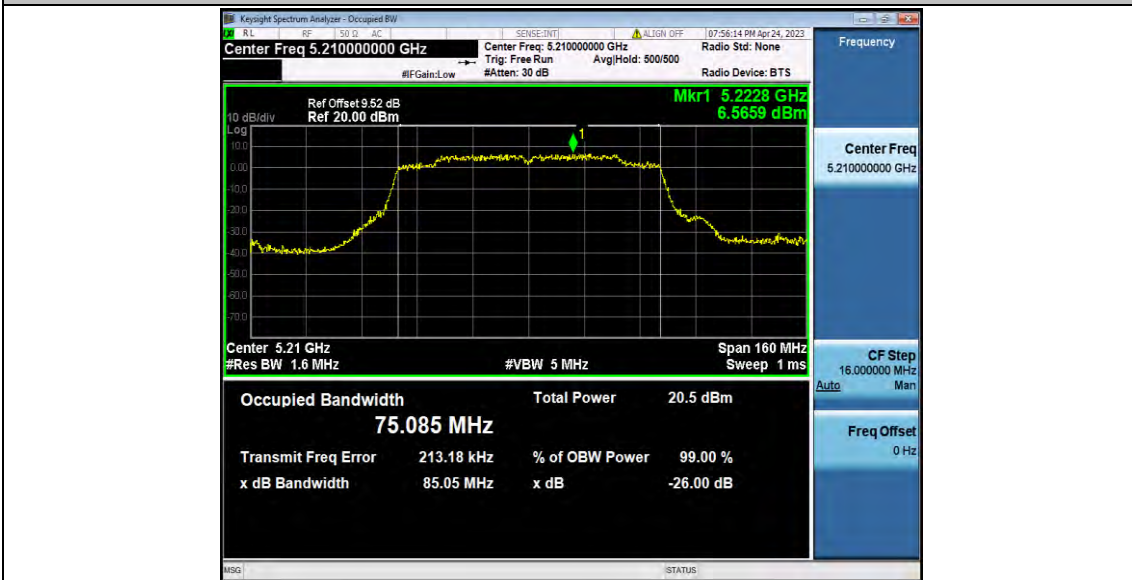
11AC20SISO\_Ant1\_5240



11AC40SISO\_Ant1\_5190



11AC40SISO\_Ant1\_5230



11AC80SISO\_Ant1\_5210





11AX20SISO\_Ant1\_5180



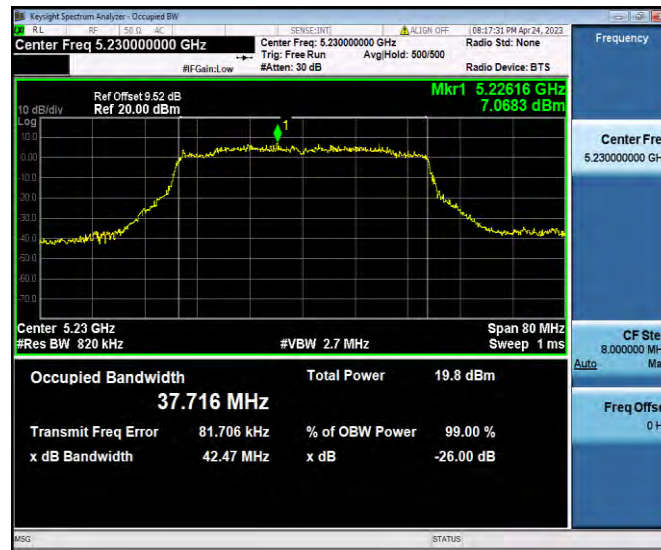
11AX20SISO\_Ant1\_5200



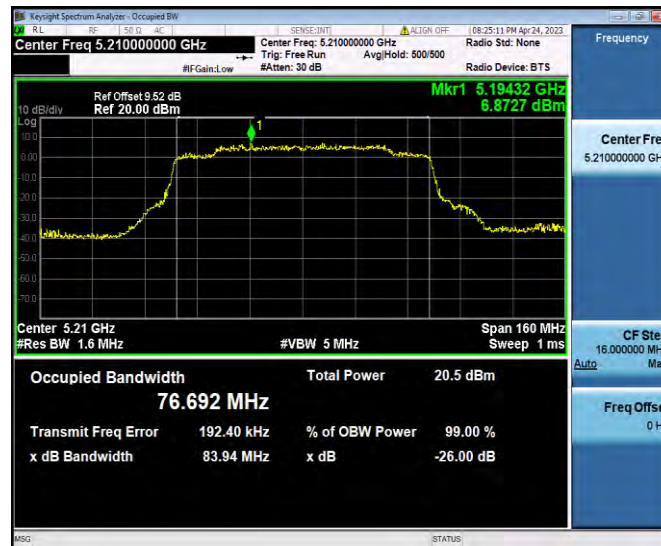
11AX20SISO\_Ant1\_5240



11AX40SISO\_Ant1\_5190



11AX40SISO\_Ant1\_5230



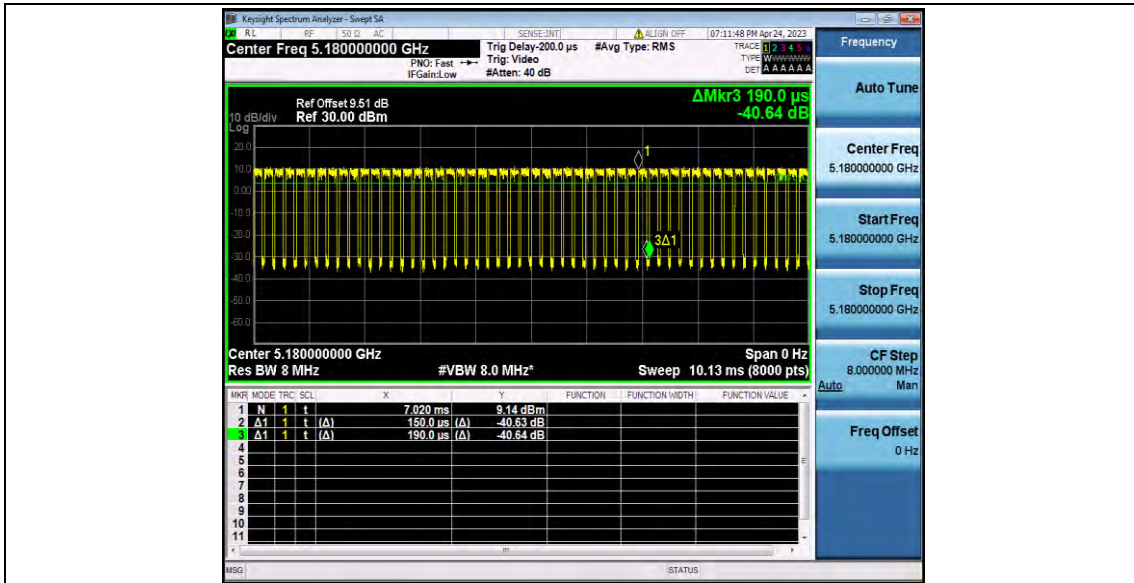
11AX80SISO\_Ant1\_5210

## Appendix D.3: Duty Cycle

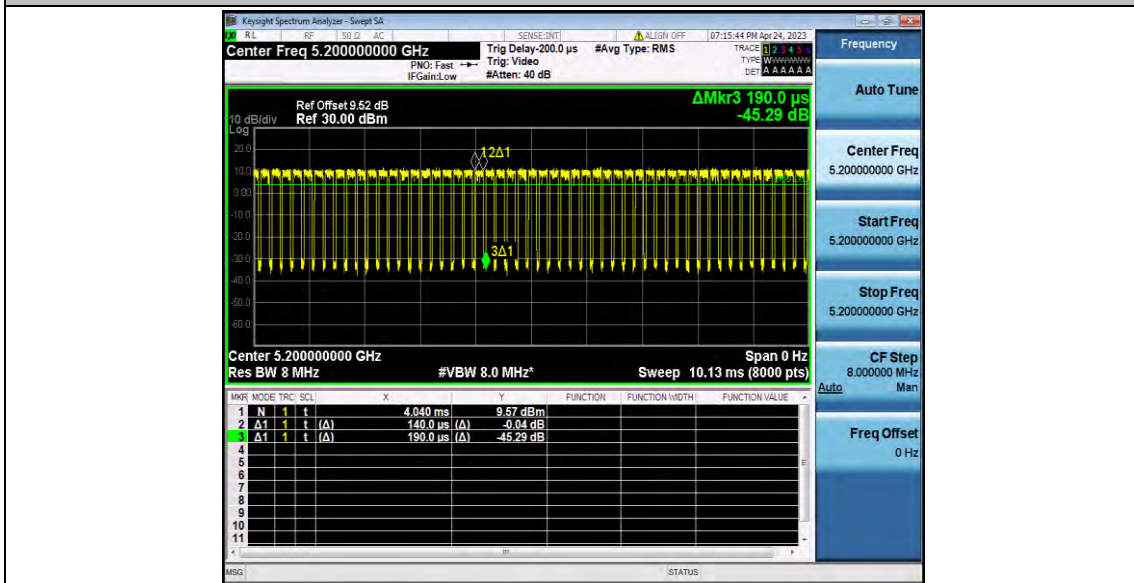
### Test Result

| TestMode   | Antenna | Frequency[MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|------------|---------|----------------|----------------------------|--------------------------|----------------|
| 11A        | Ant1    | 5180           | 0.15                       | 0.19                     | 78.95          |
|            |         | 5200           | 0.14                       | 0.19                     | 73.68          |
|            |         | 5240           | 0.14                       | 0.19                     | 73.68          |
| 11N20SISO  | Ant1    | 5180           | 0.18                       | 0.23                     | 78.26          |
|            |         | 5200           | 0.18                       | 0.22                     | 81.82          |
|            |         | 5240           | 0.18                       | 0.23                     | 78.26          |
| 11N40SISO  | Ant1    | 5190           | 0.18                       | 0.22                     | 81.82          |
|            |         | 5230           | 0.18                       | 0.22                     | 81.82          |
| 11AC20SISO | Ant1    | 5180           | 0.17                       | 0.21                     | 80.95          |
|            |         | 5200           | 0.16                       | 0.21                     | 76.19          |
|            |         | 5240           | 0.17                       | 0.21                     | 80.95          |
| 11AC40SISO | Ant1    | 5190           | 0.18                       | 0.23                     | 78.26          |
|            |         | 5230           | 0.16                       | 0.20                     | 80.00          |
| 11AC80SISO | Ant1    | 5210           | 0.16                       | 0.21                     | 76.19          |
| 11AX20SISO | Ant1    | 5180           | 0.26                       | 0.31                     | 83.87          |
|            |         | 5200           | 0.26                       | 0.31                     | 83.87          |
|            |         | 5240           | 0.27                       | 0.32                     | 84.38          |
| 11AX40SISO | Ant1    | 5190           | 0.18                       | 0.23                     | 78.26          |
|            |         | 5230           | 0.18                       | 0.23                     | 78.26          |
| 11AX80SISO | Ant1    | 5210           | 0.18                       | 0.23                     | 78.26          |

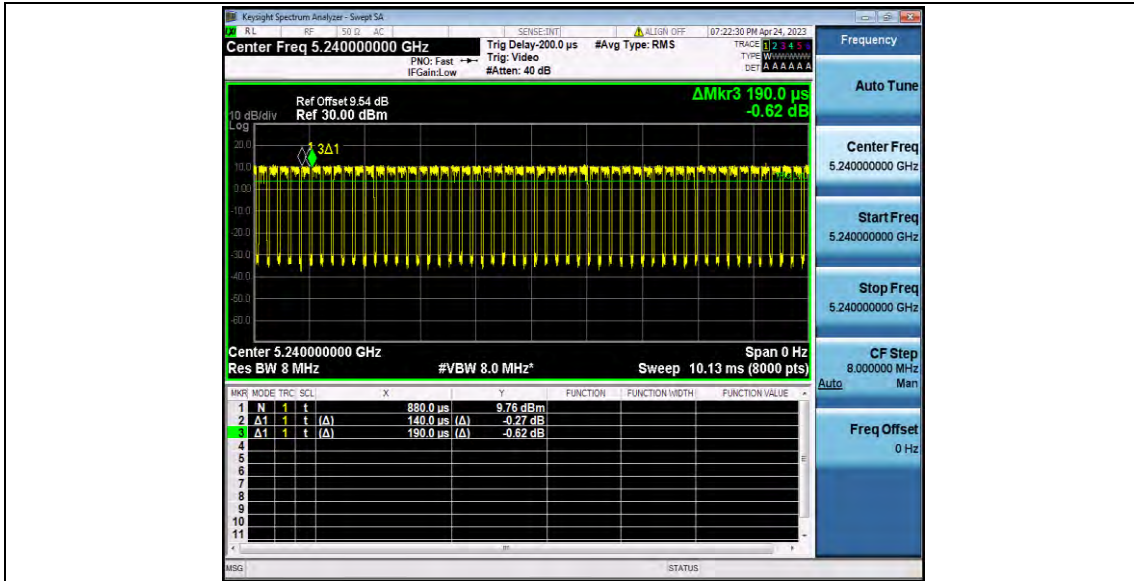
## Test Graphs



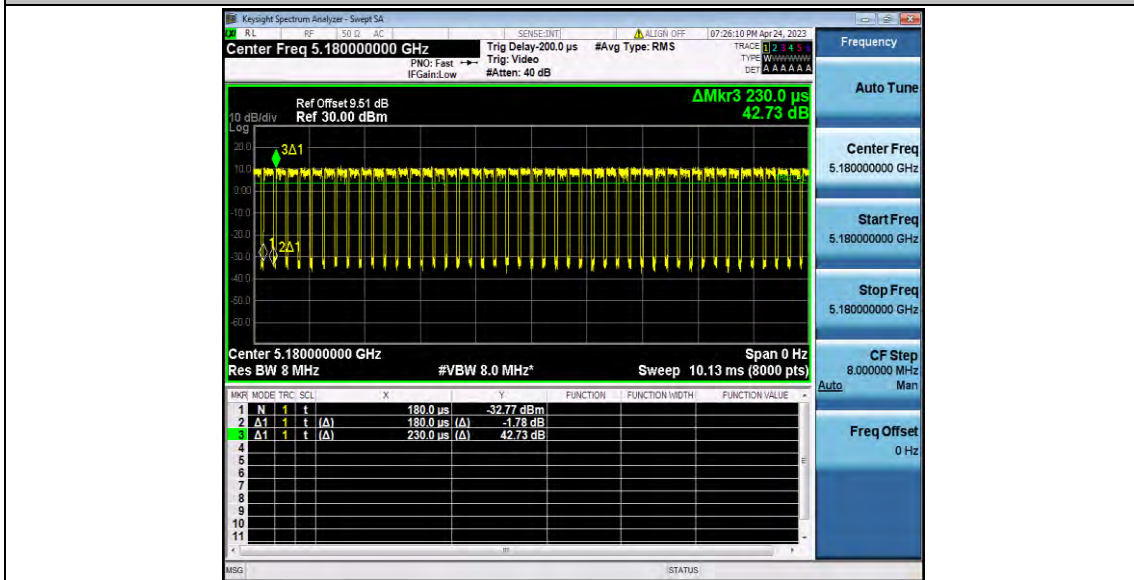
11A\_Ant1\_5180



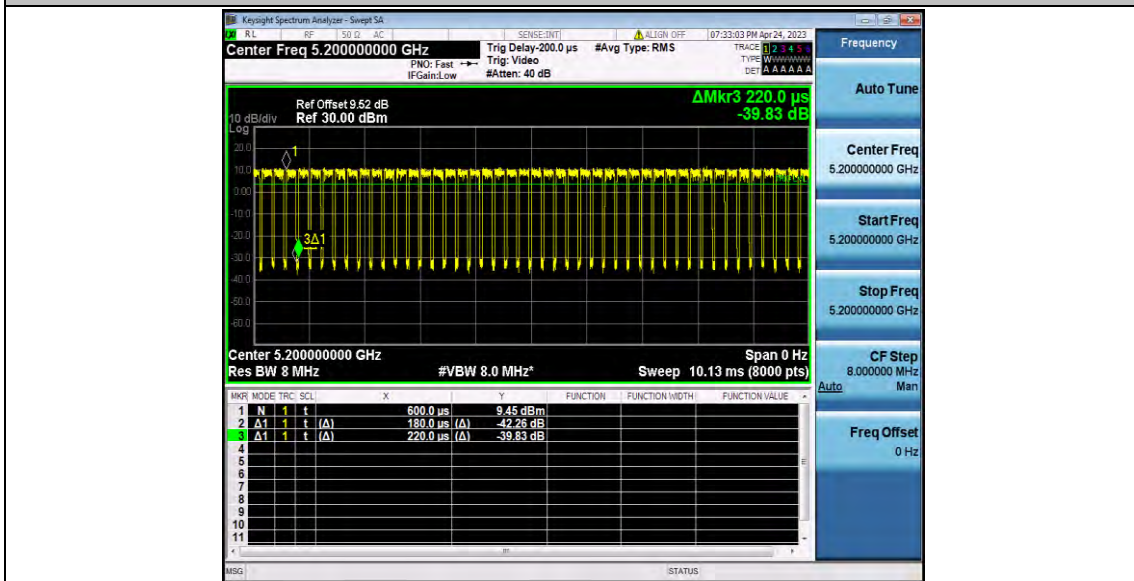
11A\_Ant1\_5200



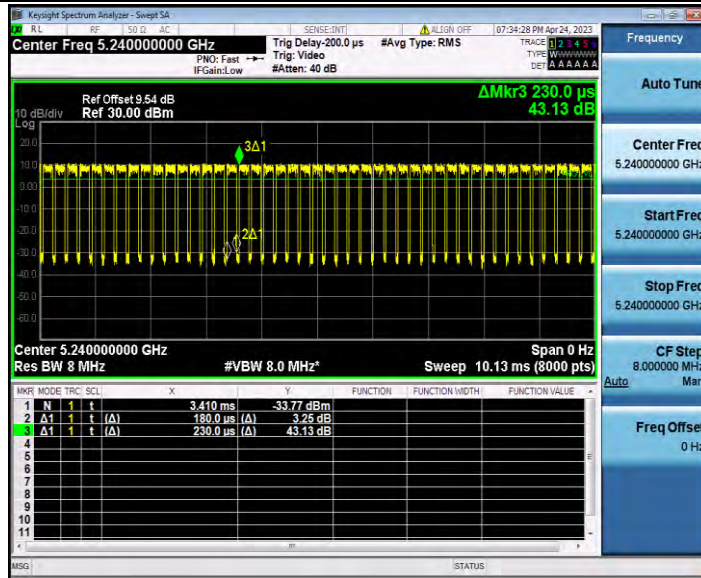
11A\_Ant1\_5240



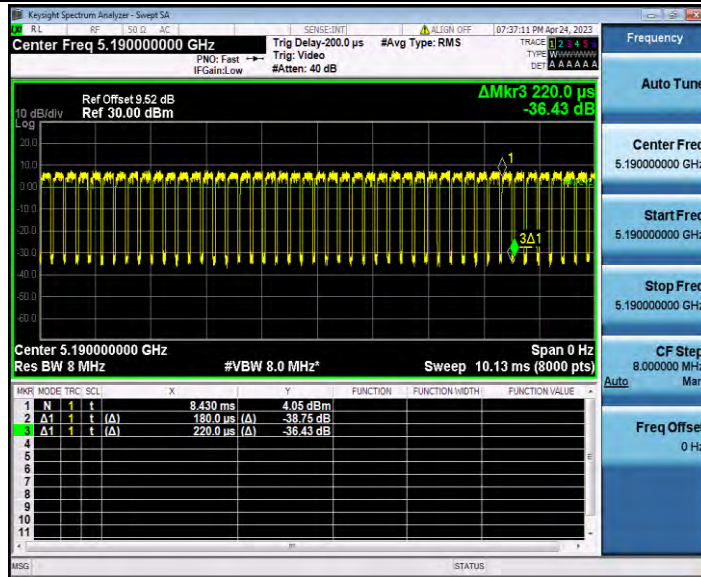
11N20SISO\_Ant1\_5180



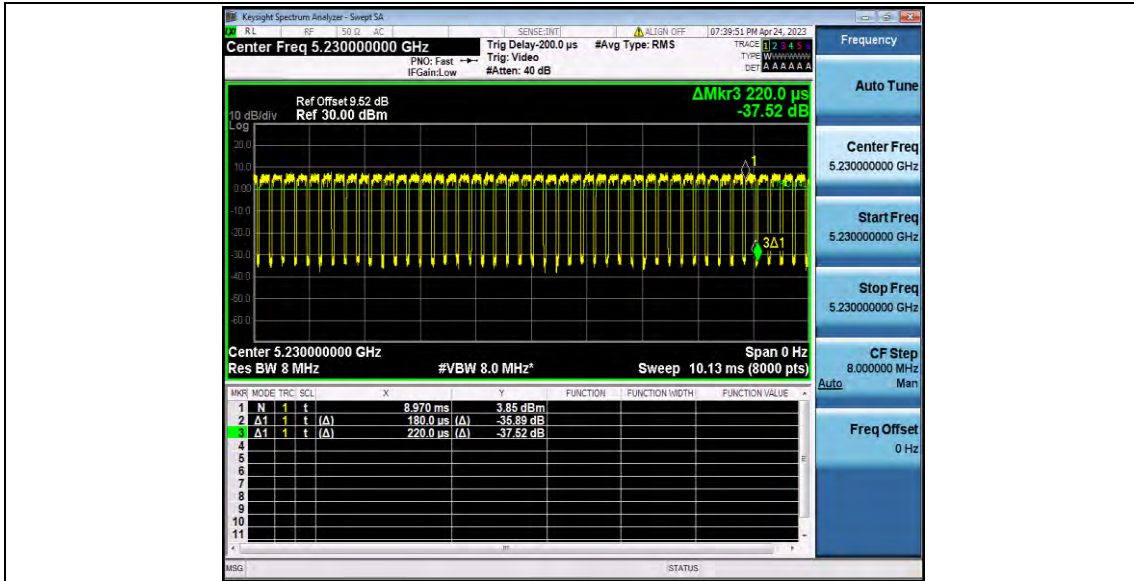
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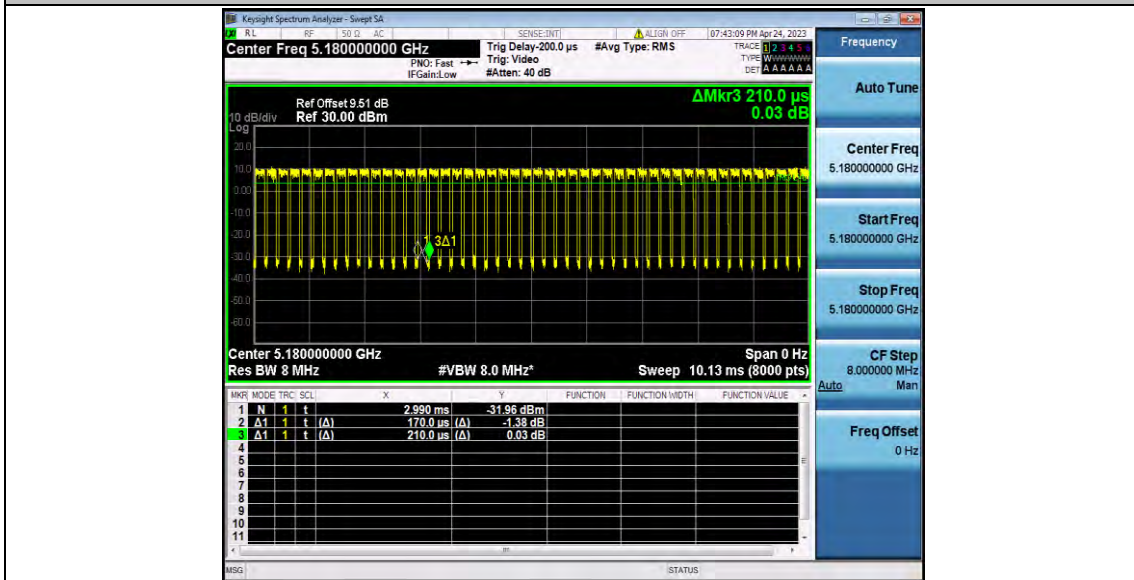
11N20SISO\_Ant1\_5240



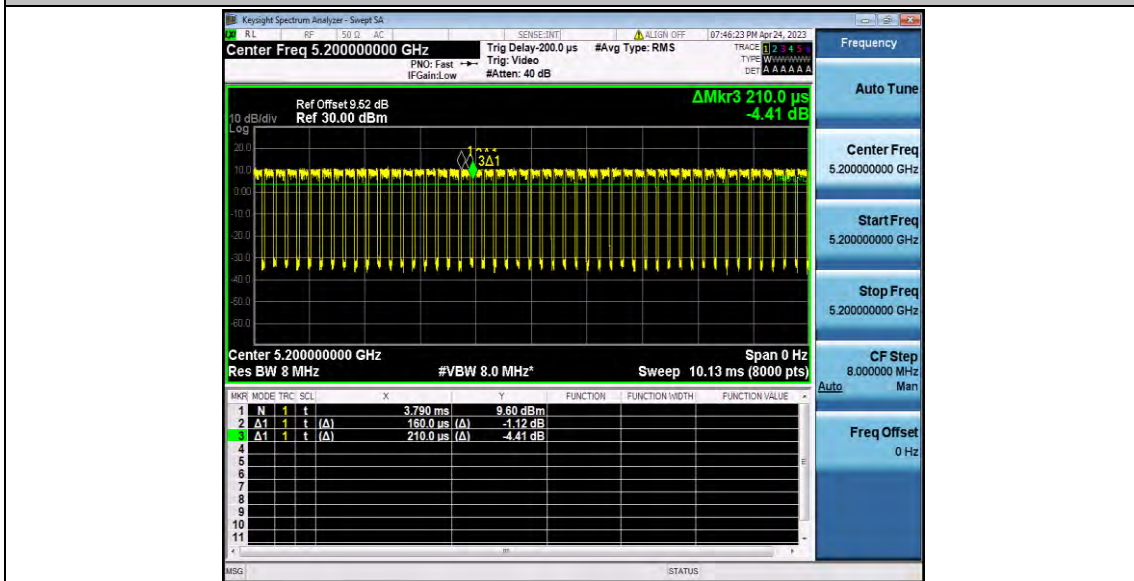
11N40SISO\_Ant1\_5190



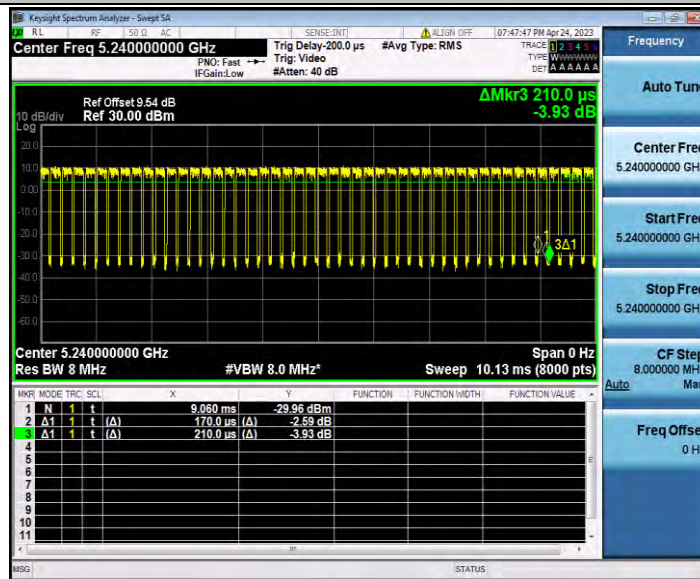
11N40SISO\_Ant1\_5230



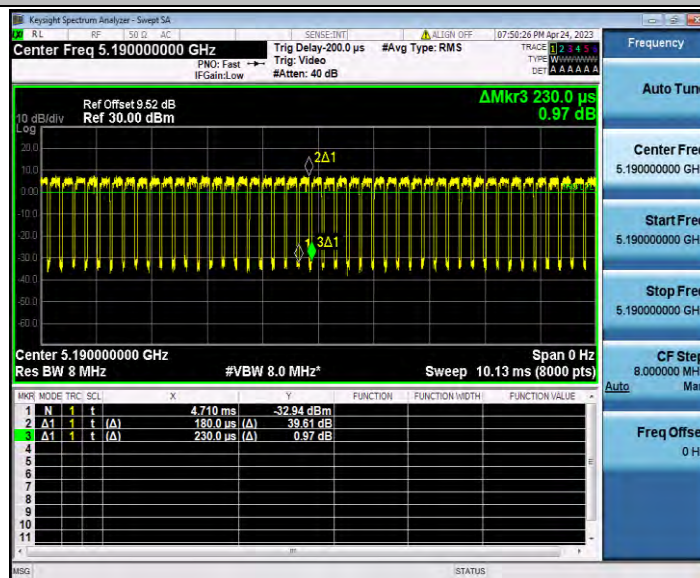
11AC20SISO\_Ant1\_5180



11AC20SISO\_Ant1\_5200

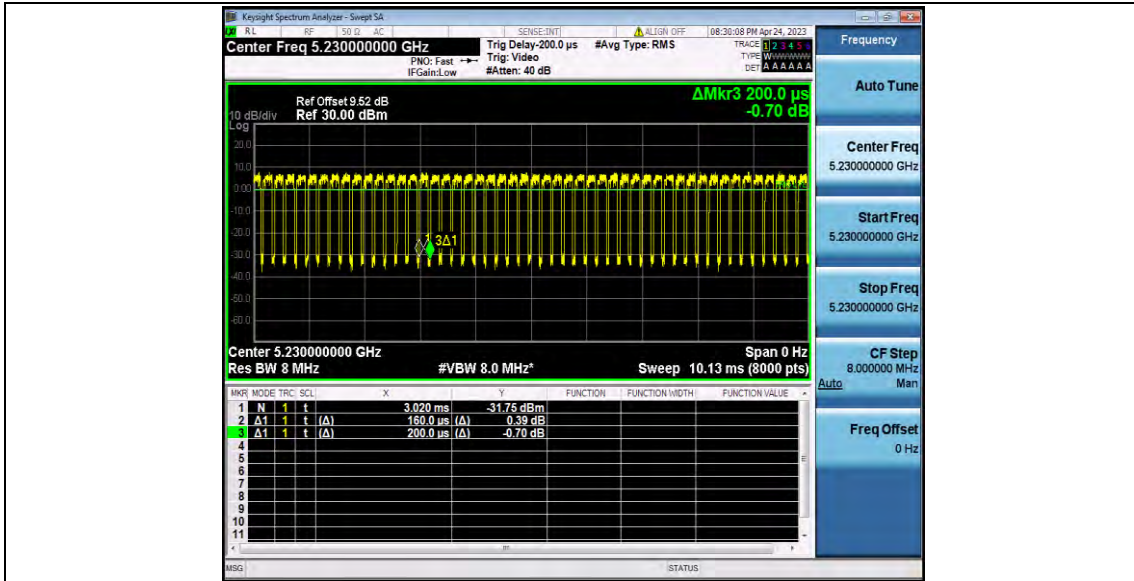


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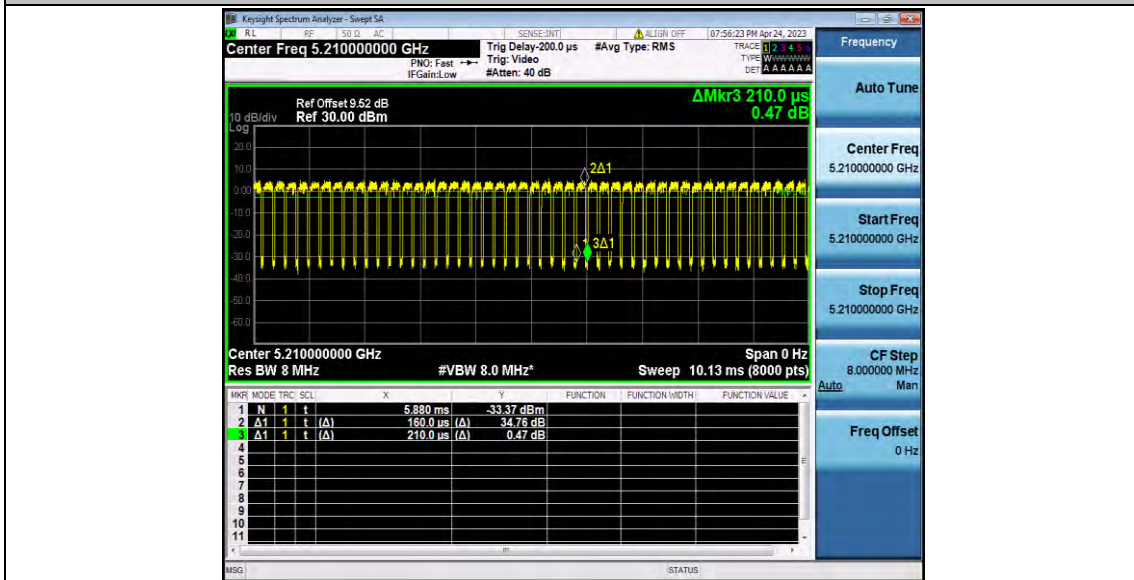


11AC40SISO\_Ant1\_5190

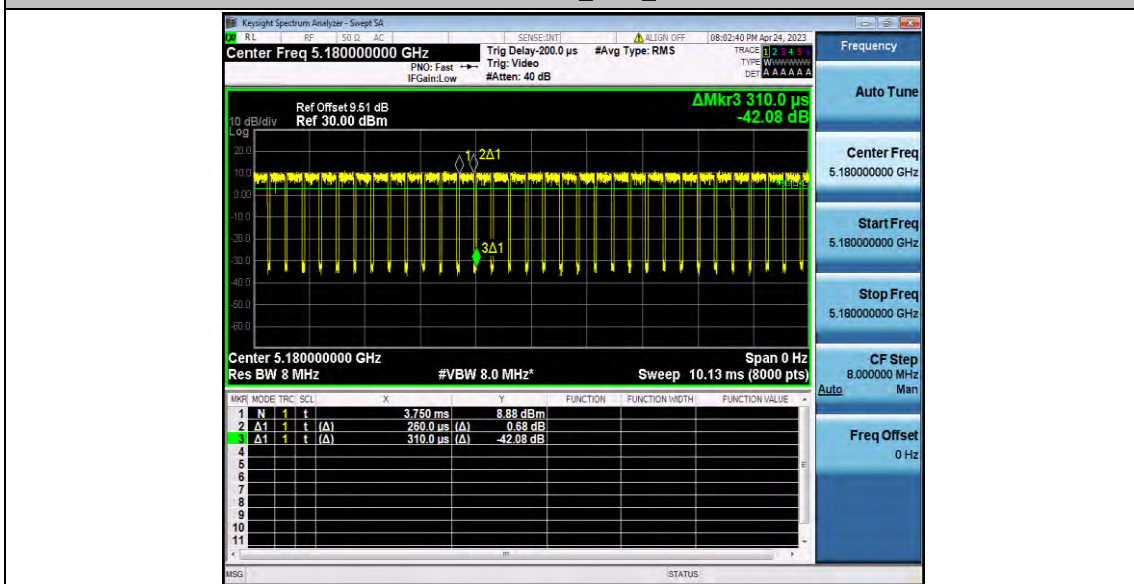




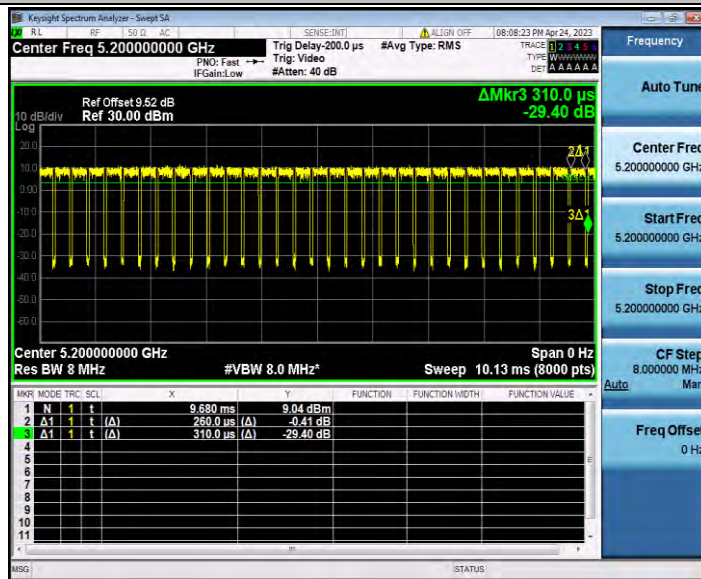
11AC40SISO\_Ant1\_5230



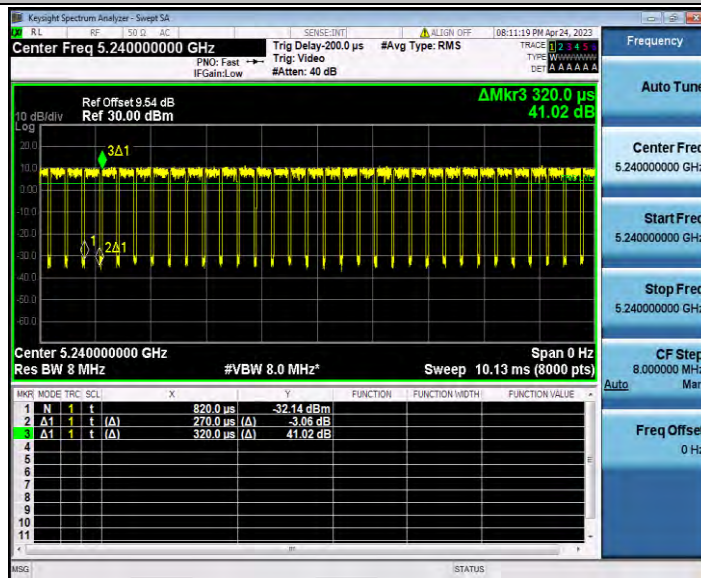
11AC80SISO\_Ant1\_5210



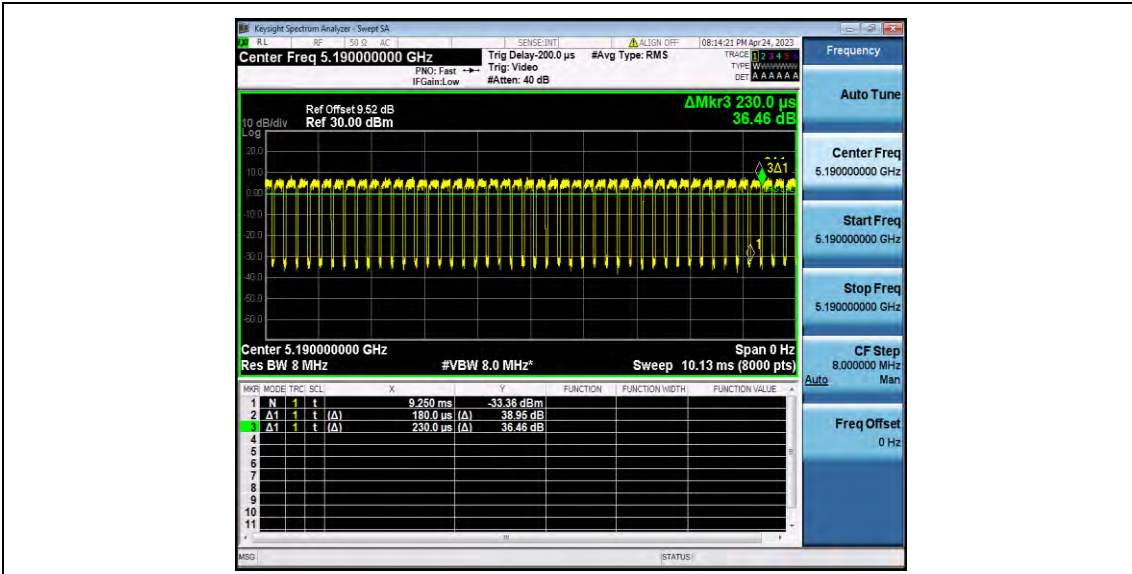
11AX20SISO\_Ant1\_5180



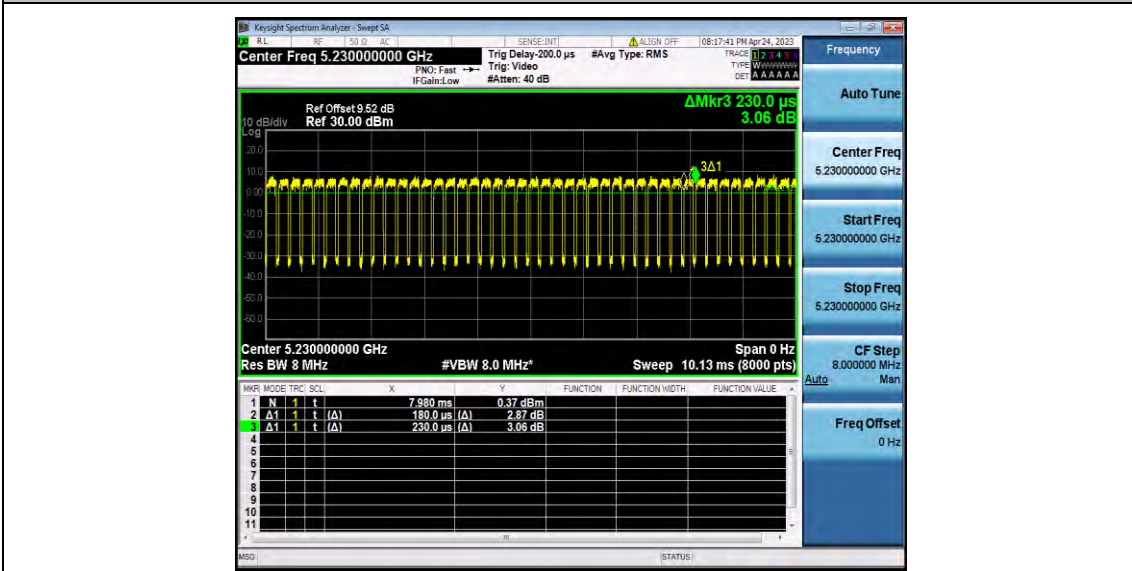
11AX20SISO\_Ant1\_5200



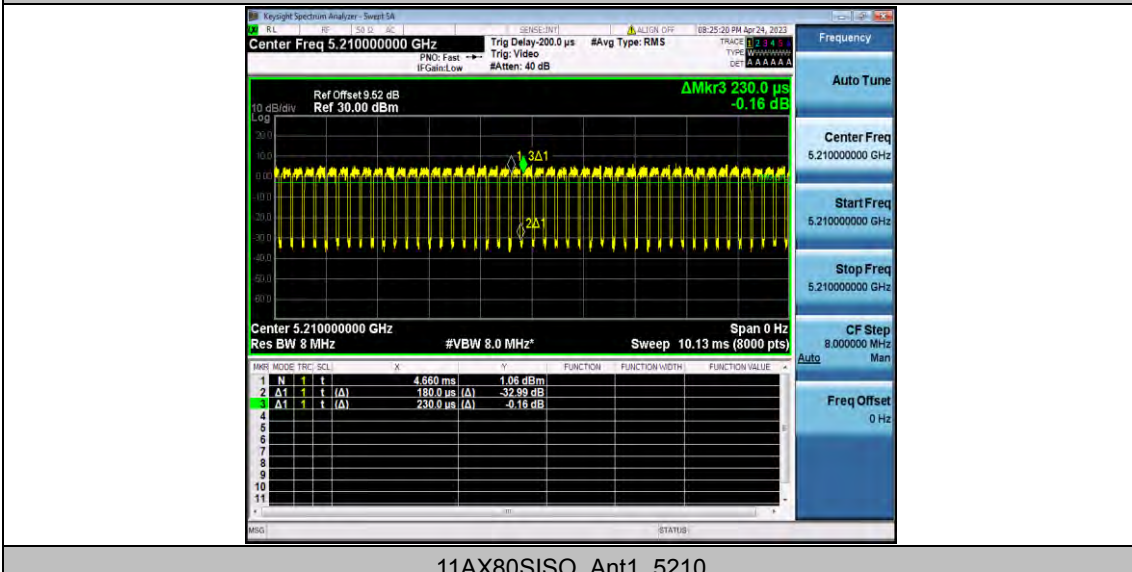
11AX20SISO\_Ant1\_5240



11AX40SISO\_Ant1\_5190



11AX40SISO\_Ant1\_5230



11AX80SISO\_Ant1\_5210