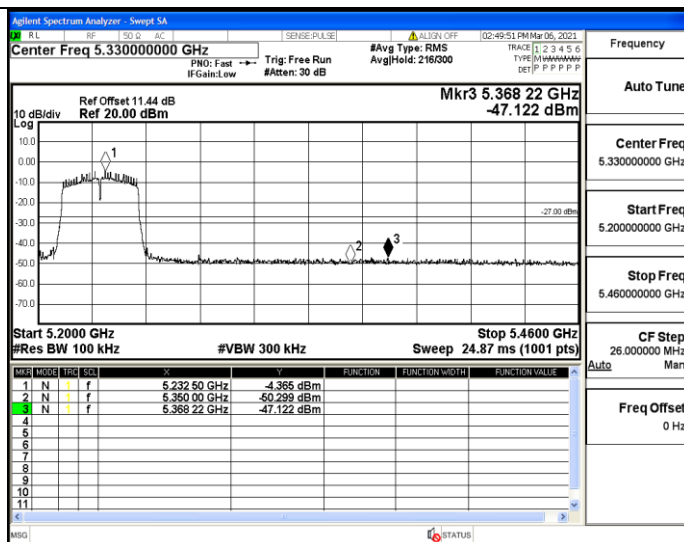
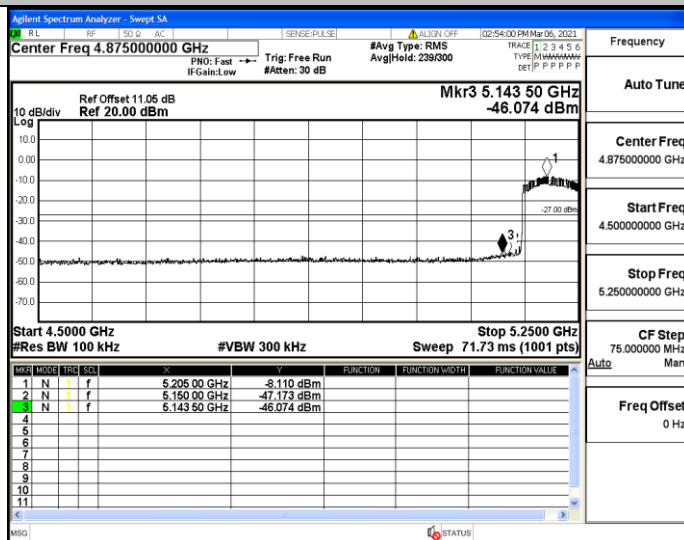
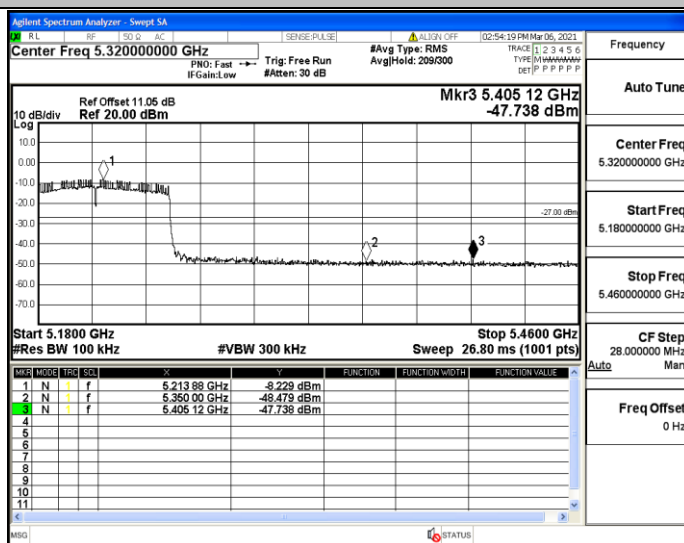




11AC80SISO\_Ant1\_Low\_5210



11AC80SISO\_Ant1\_High\_5210



## Appendix G: Frequency Stability

### Test Result

#### Ant 1

| Frequency<br>(MHz) | Enviroment<br>Temperature<br>(Degree) | Voltage<br>(VAC) | Measured<br>Frequency<br>(MHz) | Limit Range<br>(MHz) | Test Results |
|--------------------|---------------------------------------|------------------|--------------------------------|----------------------|--------------|
| 5180               | 20                                    | 132              | 5180.069870                    | 5150 – 5250          | PASS         |
| 5180               | 20                                    | 108              | 5180.075996                    | 5150 – 5250          | PASS         |
| 5180               | 50                                    | 120              | 5179.968164                    | 5150 – 5250          | PASS         |
| 5180               | 40                                    | 120              | 5179.955136                    | 5150 – 5250          | PASS         |
| 5180               | 30                                    | 120              | 5179.983240                    | 5150 – 5250          | PASS         |
| 5180               | 20                                    | 120              | 5180.068173                    | 5150 – 5250          | PASS         |
| 5180               | 10                                    | 120              | 5180.078290                    | 5150 – 5250          | PASS         |
| 5180               | 0                                     | 120              | 5179.920332                    | 5150 – 5250          | PASS         |
| 5180               | -10                                   | 120              | 5179.908278                    | 5150 – 5250          | PASS         |
| 5180               | -20                                   | 120              | 5180.000046                    | 5150 – 5250          | PASS         |
| 5180               | -30                                   | 120              | 5180.098510                    | 5150 – 5250          | PASS         |

#### Ant 1

| Frequency<br>(MHz) | Enviroment<br>Temperature<br>(Degree) | Voltage<br>(VAC) | Measured<br>Frequency<br>(MHz) | Limit Range<br>(MHz) | Test Results |
|--------------------|---------------------------------------|------------------|--------------------------------|----------------------|--------------|
| 5200               | 20                                    | 132              | 5200.066035                    | 5150 – 5250          | PASS         |
| 5200               | 20                                    | 108              | 5200.049230                    | 5150 – 5250          | PASS         |
| 5200               | 50                                    | 120              | 5199.985780                    | 5150 – 5250          | PASS         |
| 5200               | 40                                    | 120              | 5200.060559                    | 5150 – 5250          | PASS         |
| 5200               | 30                                    | 120              | 5200.095093                    | 5150 – 5250          | PASS         |
| 5200               | 20                                    | 120              | 5200.027991                    | 5150 – 5250          | PASS         |
| 5200               | 10                                    | 120              | 5200.003132                    | 5150 – 5250          | PASS         |
| 5200               | 0                                     | 120              | 5200.070785                    | 5150 – 5250          | PASS         |
| 5200               | -10                                   | 120              | 5200.084352                    | 5150 – 5250          | PASS         |
| 5200               | -20                                   | 120              | 5200.087516                    | 5150 – 5250          | PASS         |
| 5200               | -30                                   | 120              | 5200.032735                    | 5150 – 5250          | PASS         |

**Ant 1**

| Frequency<br>(MHz) | Enviroment<br>Temperature<br>(Degree) | Voltage<br>(VAC) | Measured<br>Frequency<br>(MHz) | Limit Range<br>(MHz) | Test Results |
|--------------------|---------------------------------------|------------------|--------------------------------|----------------------|--------------|
| 5240               | 20                                    | 132              | 5240.073621                    | 5150 – 5250          | PASS         |
| 5240               | 20                                    | 108              | 5240.078389                    | 5150 – 5250          | PASS         |
| 5240               | 50                                    | 120              | 5240.057282                    | 5150 – 5250          | PASS         |
| 5240               | 40                                    | 120              | 5240.097355                    | 5150 – 5250          | PASS         |
| 5240               | 30                                    | 120              | 5240.083772                    | 5150 – 5250          | PASS         |
| 5240               | 20                                    | 120              | 5240.037439                    | 5150 – 5250          | PASS         |
| 5240               | 10                                    | 120              | 5239.921911                    | 5150 – 5250          | PASS         |
| 5240               | 0                                     | 120              | 5240.019000                    | 5150 – 5250          | PASS         |
| 5240               | -10                                   | 120              | 5240.062041                    | 5150 – 5250          | PASS         |
| 5240               | -20                                   | 120              | 5239.952156                    | 5150 – 5250          | PASS         |
| 5240               | -30                                   | 120              | 5240.041300                    | 5150 – 5250          | PASS         |

**Ant 1**

| Frequency<br>(MHz) | Enviroment<br>Temperature<br>(Degree) | Voltage<br>(VAC) | Measured<br>Frequency<br>(MHz) | Limit Range<br>(MHz) | Test Results |
|--------------------|---------------------------------------|------------------|--------------------------------|----------------------|--------------|
| 5190               | 20                                    | 132              | 5189.934234                    | 5150 – 5250          | PASS         |
| 5190               | 20                                    | 108              | 5189.979665                    | 5150 – 5250          | PASS         |
| 5190               | 50                                    | 120              | 5190.085131                    | 5150 – 5250          | PASS         |
| 5190               | 40                                    | 120              | 5190.076168                    | 5150 – 5250          | PASS         |
| 5190               | 30                                    | 120              | 5190.021623                    | 5150 – 5250          | PASS         |
| 5190               | 20                                    | 120              | 5189.921775                    | 5150 – 5250          | PASS         |
| 5190               | 10                                    | 120              | 5189.935398                    | 5150 – 5250          | PASS         |
| 5190               | 0                                     | 120              | 5190.085862                    | 5150 – 5250          | PASS         |
| 5190               | -10                                   | 120              | 5190.060068                    | 5150 – 5250          | PASS         |
| 5190               | -20                                   | 120              | 5189.978893                    | 5150 – 5250          | PASS         |
| 5190               | -30                                   | 120              | 5190.068796                    | 5150 – 5250          | PASS         |

**Ant 1**

| Frequency<br>(MHz) | Enviroment<br>Temperature<br>(Degree) | Voltage<br>(VAC) | Measured<br>Frequency<br>(MHz) | Limit Range<br>(MHz) | Test Results |
|--------------------|---------------------------------------|------------------|--------------------------------|----------------------|--------------|
| 5230               | 20                                    | 132              | 5230.096936                    | 5150 – 5250          | PASS         |
| 5230               | 20                                    | 108              | 5229.943675                    | 5150 – 5250          | PASS         |
| 5230               | 50                                    | 120              | 5230.021250                    | 5150 – 5250          | PASS         |
| 5230               | 40                                    | 120              | 5229.944371                    | 5150 – 5250          | PASS         |
| 5230               | 30                                    | 120              | 5229.974696                    | 5150 – 5250          | PASS         |
| 5230               | 20                                    | 120              | 5229.940494                    | 5150 – 5250          | PASS         |
| 5230               | 10                                    | 120              | 5229.944598                    | 5150 – 5250          | PASS         |
| 5230               | 0                                     | 120              | 5230.068278                    | 5150 – 5250          | PASS         |
| 5230               | -10                                   | 120              | 5230.061675                    | 5150 – 5250          | PASS         |
| 5230               | -20                                   | 120              | 5230.037250                    | 5150 – 5250          | PASS         |
| 5230               | -30                                   | 120              | 5230.033544                    | 5150 – 5250          | PASS         |

**Ant 1**

| Frequency<br>(MHz) | Enviroment<br>Temperature<br>(Degree) | Voltage<br>(VAC) | Measured<br>Frequency<br>(MHz) | Limit Range<br>(MHz) | Test Results |
|--------------------|---------------------------------------|------------------|--------------------------------|----------------------|--------------|
| 5210               | 20                                    | 132              | 5209.975607                    | 5150 – 5250          | PASS         |
| 5210               | 20                                    | 108              | 5209.952957                    | 5150 – 5250          | PASS         |
| 5210               | 50                                    | 120              | 5210.013806                    | 5150 – 5250          | PASS         |
| 5210               | 40                                    | 120              | 5209.971055                    | 5150 – 5250          | PASS         |
| 5210               | 30                                    | 120              | 5210.010642                    | 5150 – 5250          | PASS         |
| 5210               | 20                                    | 120              | 5209.996500                    | 5150 – 5250          | PASS         |
| 5210               | 10                                    | 120              | 5210.021758                    | 5150 – 5250          | PASS         |
| 5210               | 0                                     | 120              | 5209.993769                    | 5150 – 5250          | PASS         |
| 5210               | -10                                   | 120              | 5209.989278                    | 5150 – 5250          | PASS         |
| 5210               | -20                                   | 120              | 5209.932106                    | 5150 – 5250          | PASS         |
| 5210               | -30                                   | 120              | 5209.983665                    | 5150 – 5250          | PASS         |

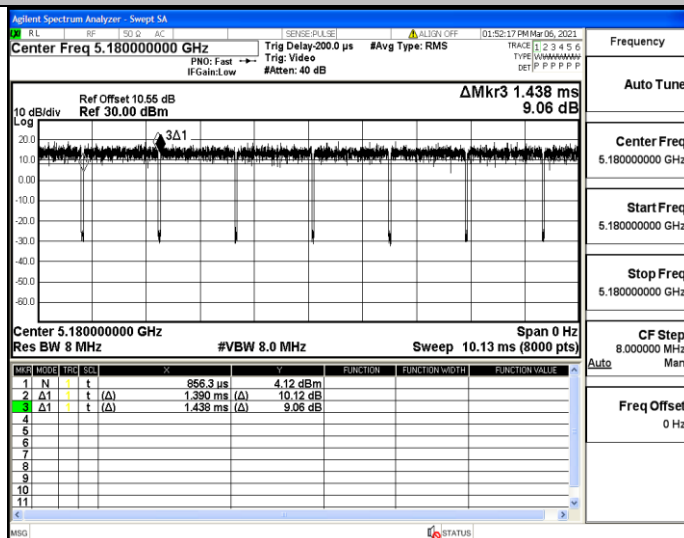
## Appendix F: Duty Cycle

### Test Result

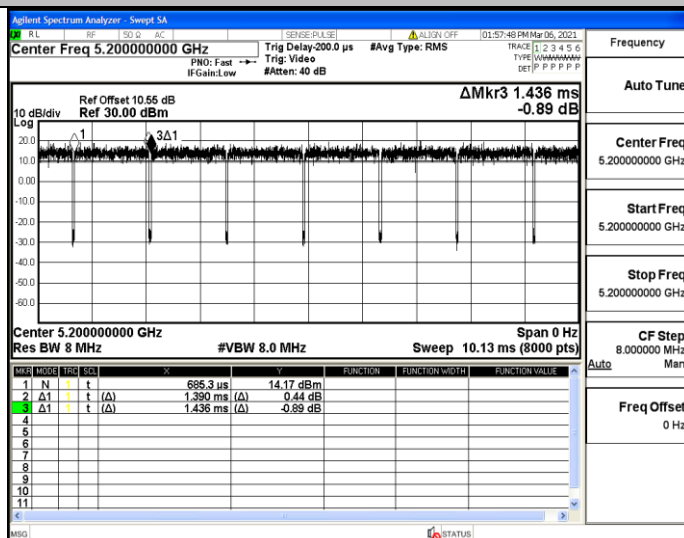
| TestMode   | Antenna | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|------------|---------|---------|----------------------------|--------------------------|----------------|
| 11A        | Ant1    | 5180    | 1.39                       | 1.44                     | 96.53          |
|            |         | 5200    | 1.39                       | 1.44                     | 96.53          |
|            |         | 5240    | 1.39                       | 1.44                     | 96.53          |
| 11N20SISO  | Ant1    | 5180    | 1.30                       | 1.35                     | 96.30          |
|            |         | 5200    | 1.30                       | 1.35                     | 96.30          |
|            |         | 5240    | 1.30                       | 1.35                     | 96.30          |
| 11N40SISO  | Ant1    | 5190    | 0.65                       | 0.69                     | 94.20          |
|            |         | 5230    | 0.64                       | 0.69                     | 92.75          |
| 11AC20SISO | Ant1    | 5180    | 1.31                       | 1.36                     | 96.32          |
|            |         | 5200    | 1.31                       | 1.36                     | 96.32          |
|            |         | 5240    | 1.31                       | 1.36                     | 96.32          |
| 11AC40SISO | Ant1    | 5190    | 0.65                       | 0.70                     | 92.86          |
|            |         | 5230    | 0.65                       | 0.70                     | 92.86          |
| 11AC80SISO | Ant1    | 5210    | 0.32                       | 0.37                     | 86.49          |

## Test Graphs

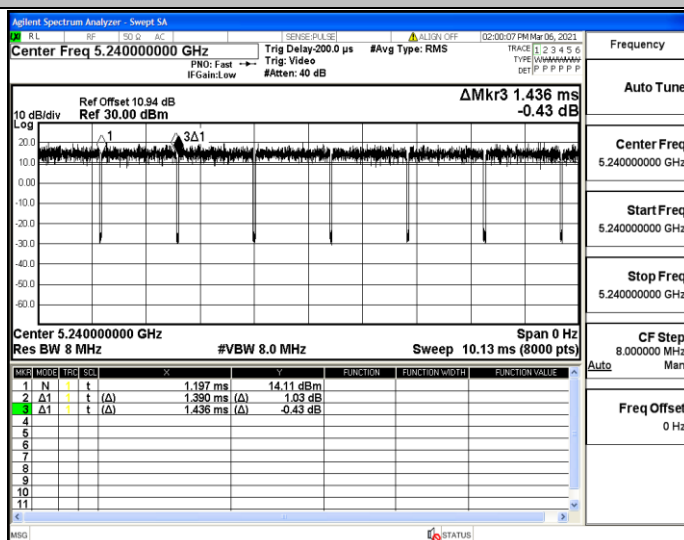
11A\_Ant1\_5180



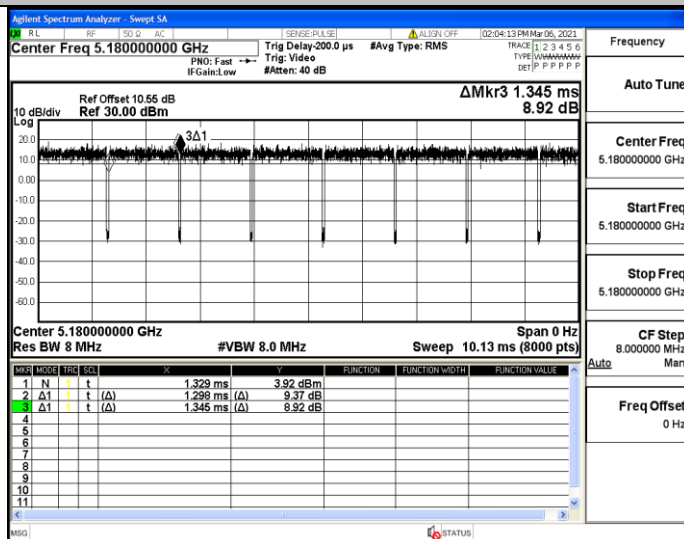
11A\_Ant1\_5200



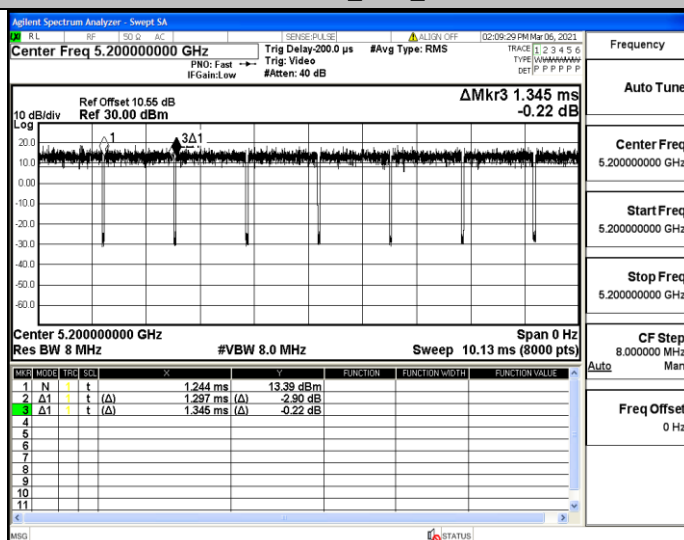
11A\_Ant1\_5240



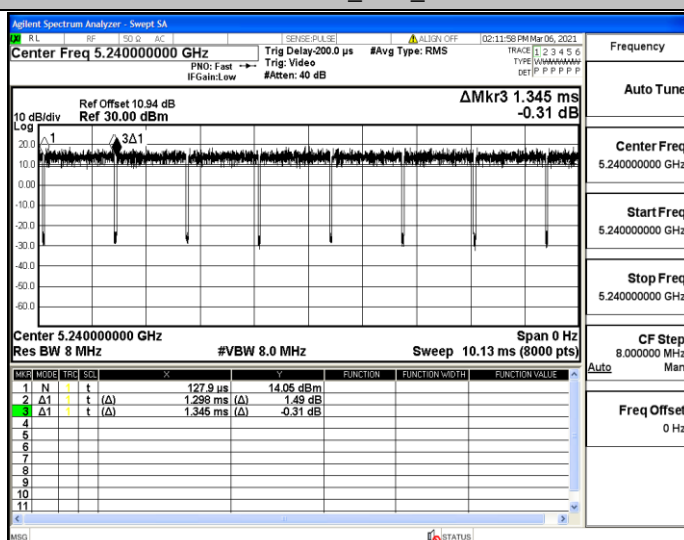
## 11N20SISO\_Ant1\_5180



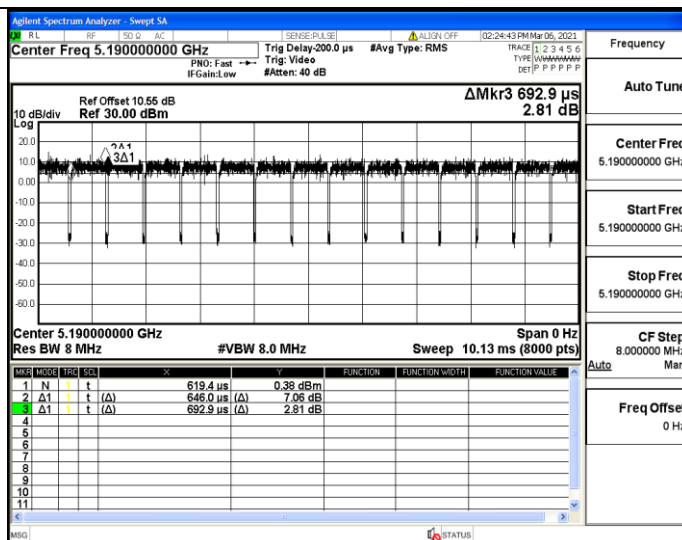
## 11N20SISO\_Ant1\_5200



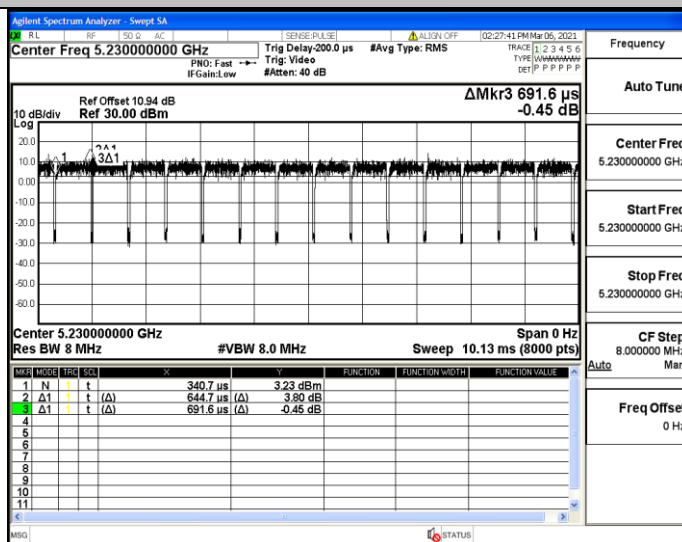
## 11N20SISO\_Ant1\_5240



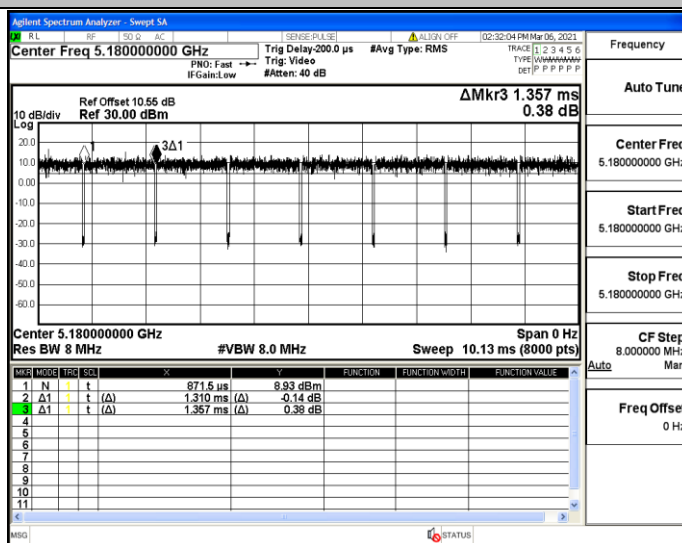
## 11N40SISO\_Ant1\_5190



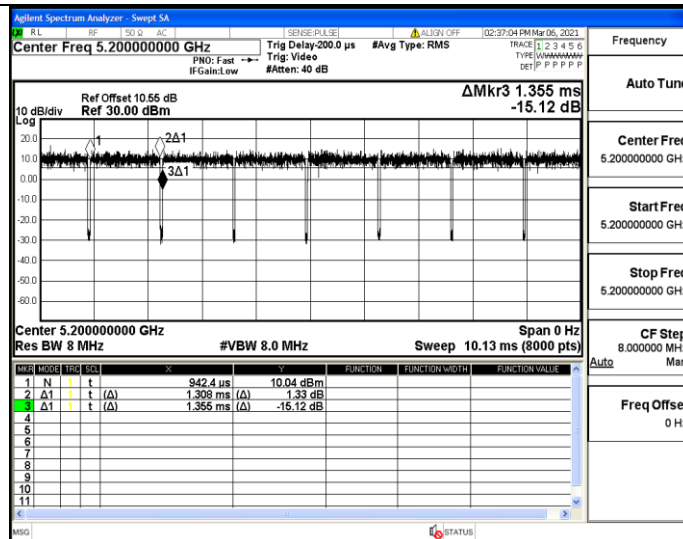
11N40SISO\_Ant1\_5230



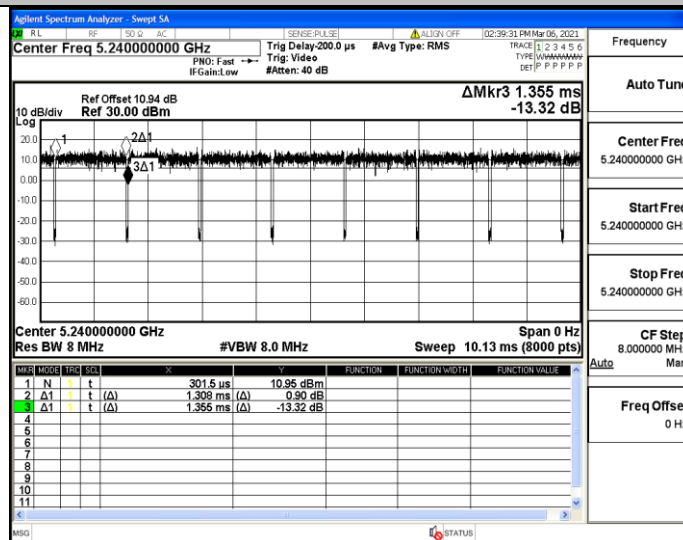
11AC20SISO\_Ant1\_5180



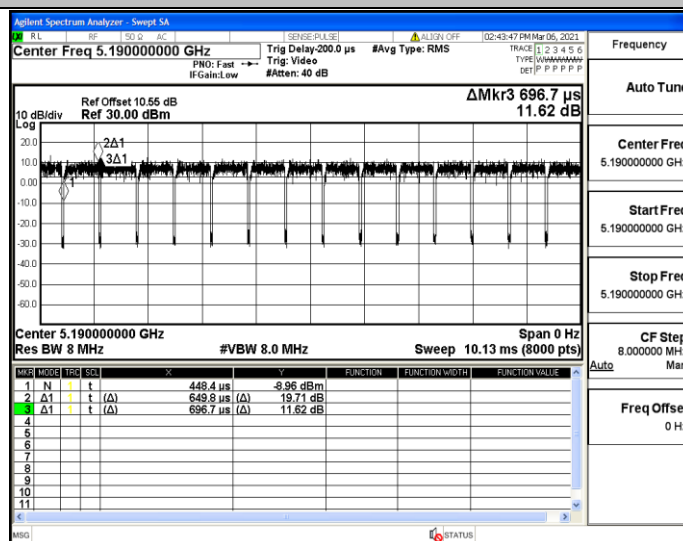
11AC20SISO\_Ant1\_5200



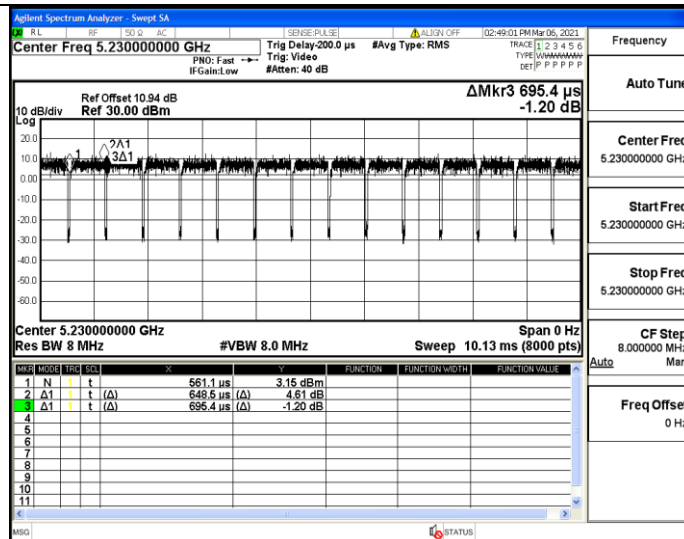
11AC20SISO\_Ant1\_5240



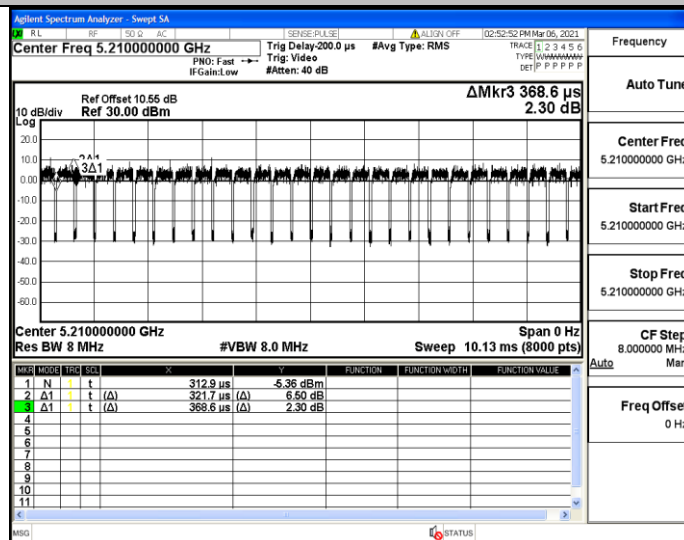
11AC40SISO\_Ant1\_5190



11AC40SISO\_Ant1\_5230



11AC80SISO\_Ant1\_5210



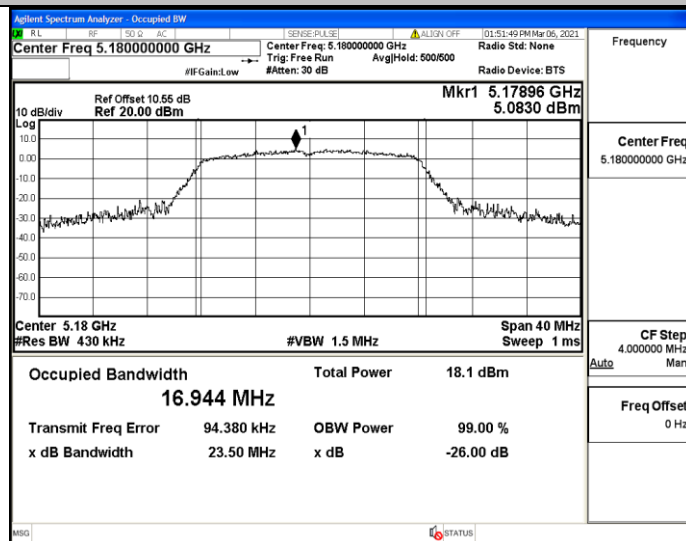
## Appendix H: Occupied channel bandwidth

### Test Result

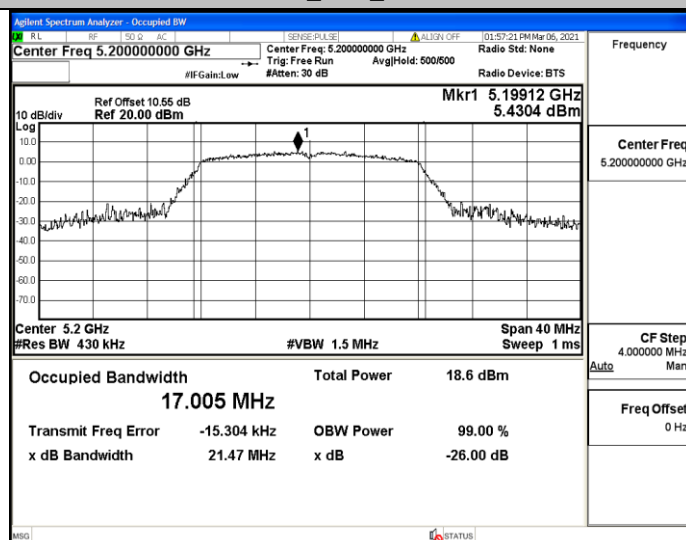
| TestMode   | Antenna | Channel | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|---------|-----------|----------|----------|------------|---------|
| 11A        | Ant1    | 5180    | 16.944    | 5171.622 | 5188.566 | ---        | PASS    |
|            |         | 5200    | 17.005    | 5191.482 | 5208.487 | ---        | PASS    |
|            |         | 5240    | 16.892    | 5231.589 | 5248.481 | ---        | PASS    |
| 11N20SISO  | Ant1    | 5180    | 18.045    | 5171.079 | 5189.124 | ---        | PASS    |
|            |         | 5200    | 17.974    | 5190.989 | 5208.963 | ---        | PASS    |
|            |         | 5240    | 17.885    | 5231.070 | 5248.955 | ---        | PASS    |
| 11N40SISO  | Ant1    | 5190    | 36.086    | 5172.046 | 5208.132 | ---        | PASS    |
|            |         | 5230    | 36.219    | 5211.973 | 5248.192 | ---        | PASS    |
| 11AC20SISO | Ant1    | 5180    | 17.831    | 5171.171 | 5189.002 | ---        | PASS    |
|            |         | 5200    | 17.841    | 5191.057 | 5208.898 | ---        | PASS    |
|            |         | 5240    | 17.806    | 5231.145 | 5248.951 | ---        | PASS    |
| 11AC40SISO | Ant1    | 5190    | 36.025    | 5172.104 | 5208.129 | ---        | PASS    |
|            |         | 5230    | 36.187    | 5212.021 | 5248.208 | ---        | PASS    |
| 11AC80SISO | Ant1    | 5210    | 75.051    | 5172.759 | 5247.810 | ---        | PASS    |

## Test Graphs

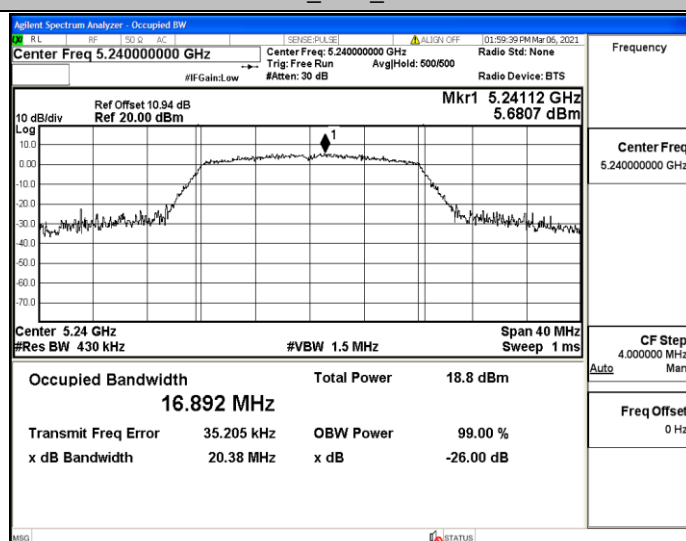
11A\_Ant1\_5180



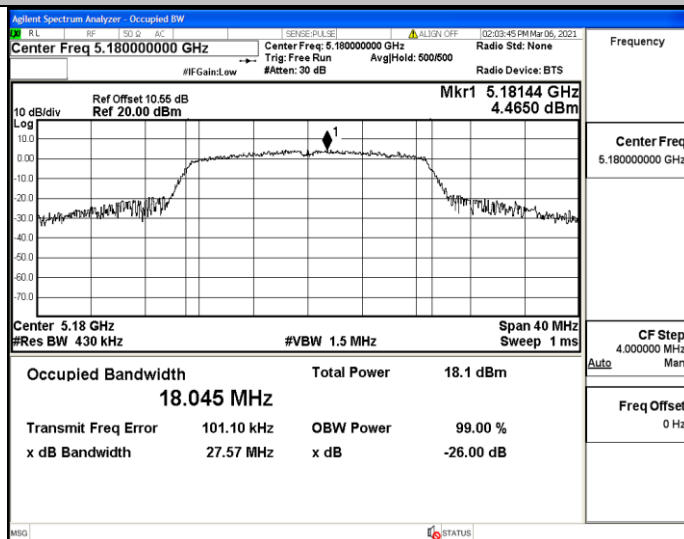
11A\_Ant1\_5200



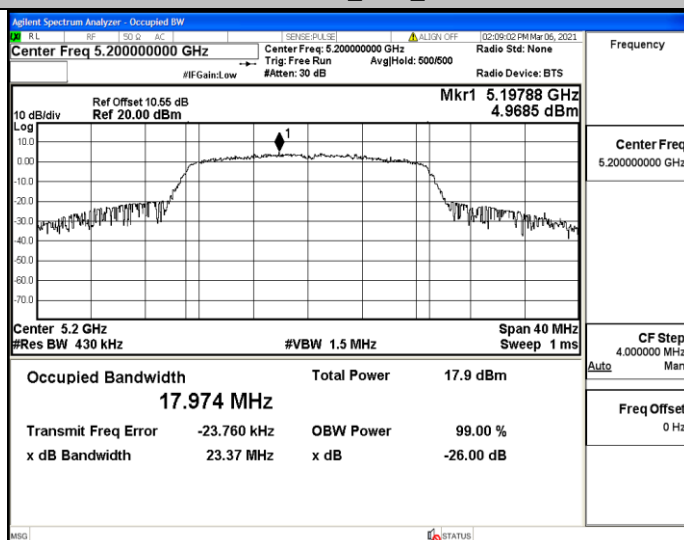
11A\_Ant1\_5240



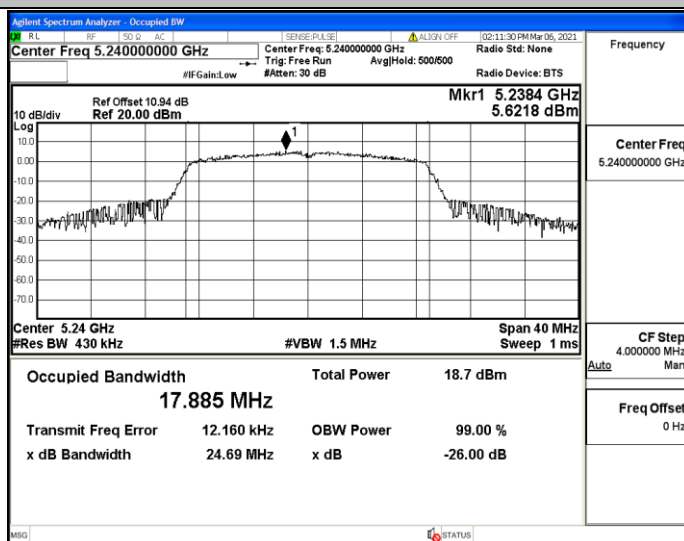
## 11N20SISO\_Ant1\_5180



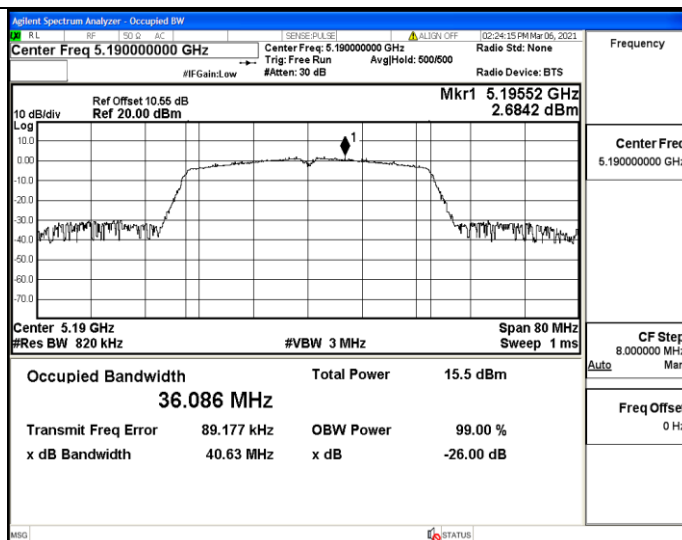
## 11N20SISO\_Ant1\_5200



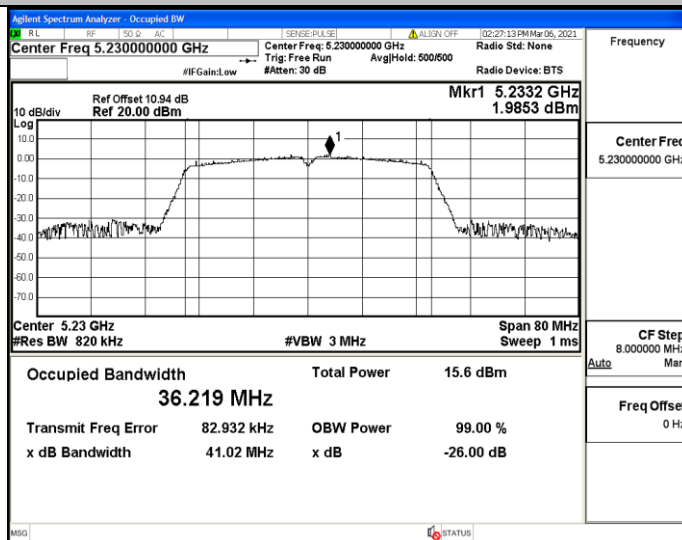
## 11N20SISO\_Ant1\_5240



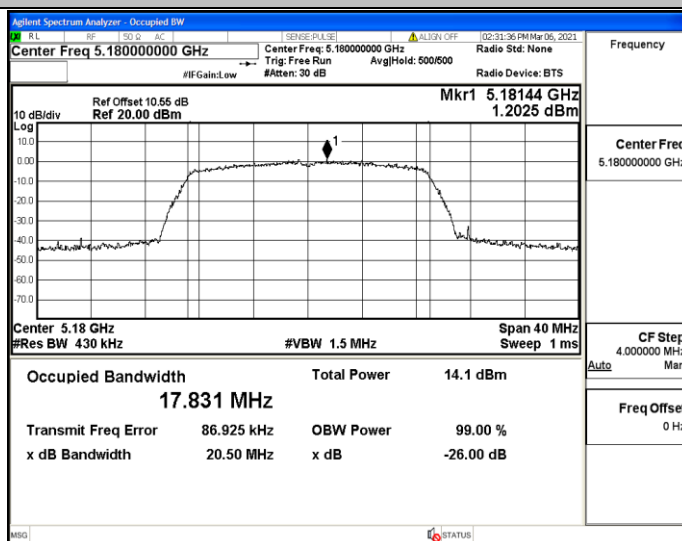
## 11N40SISO\_Ant1\_5190



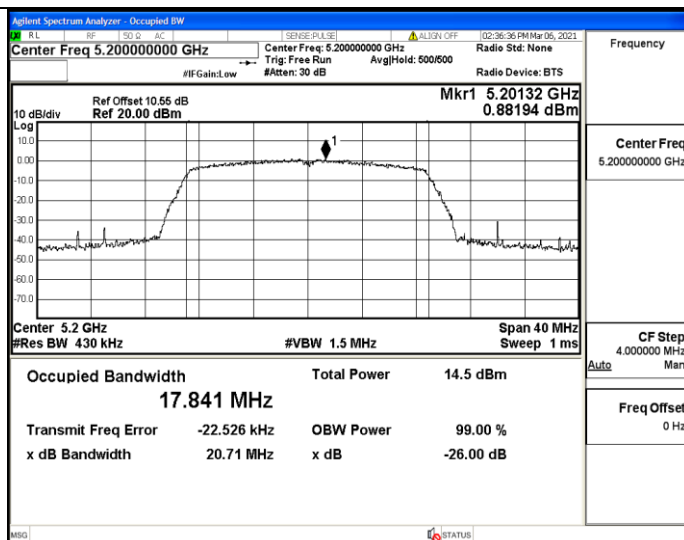
11N40SISO\_Ant1\_5230



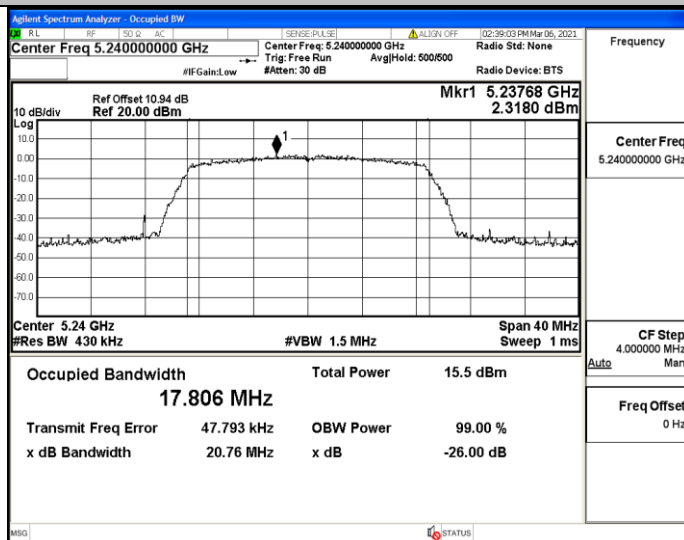
11AC20SISO\_Ant1\_5180



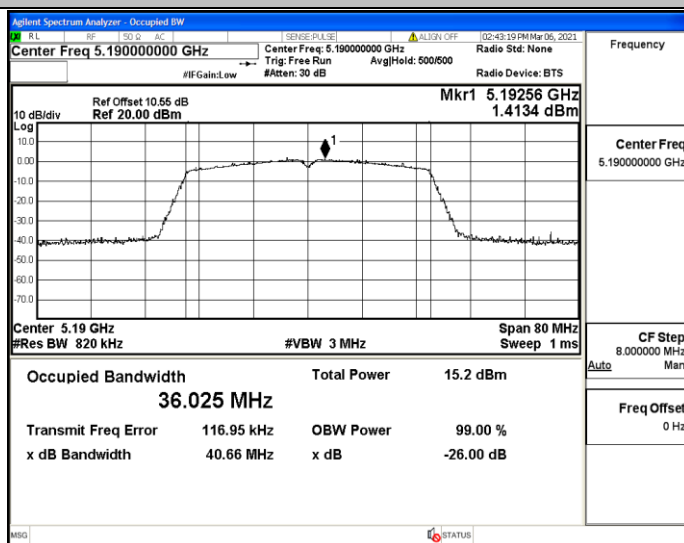
11AC20SISO\_Ant1\_5200



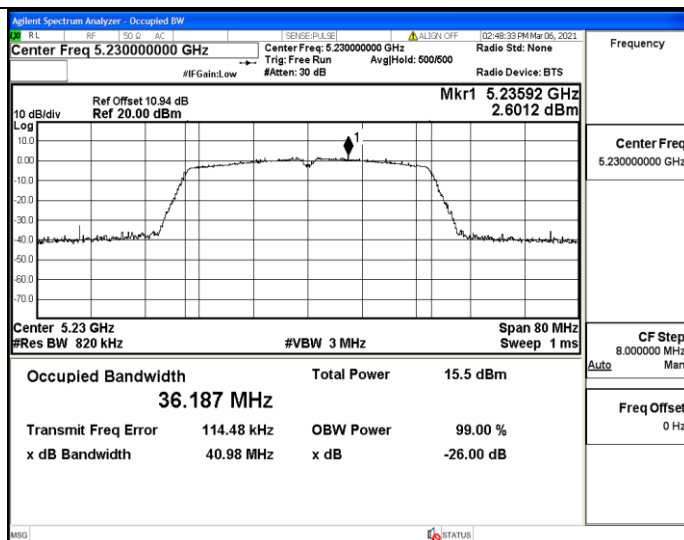
11AC20SISO\_Ant1\_5240



11AC40SISO\_Ant1\_5190



11AC40SISO\_Ant1\_5230



11AC80SISO\_Ant1\_5210

