

|                                                  |                           |
|--------------------------------------------------|---------------------------|
| Case No. : GTS20230111005-1-14                   |                           |
| Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa, |                           |
| Test Date: 2023.2.20                             | Test Engineer: Jenny zeng |

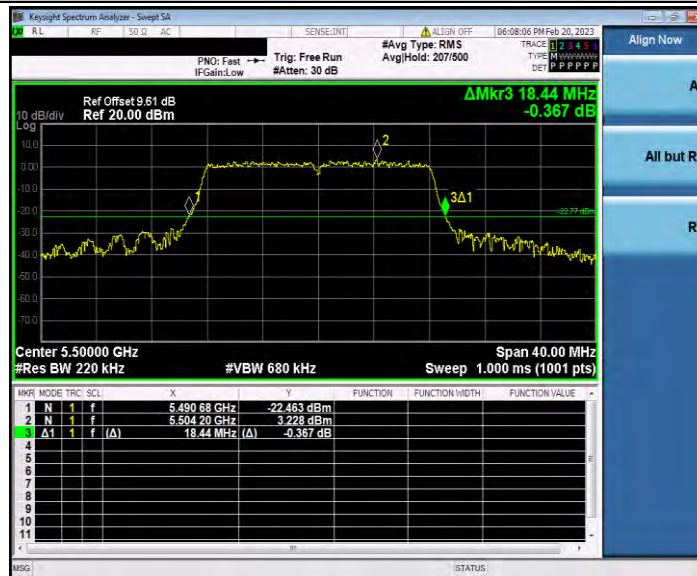
## Appendix F.1: Emission Bandwidth

### Test Result

| TestMode   | Antenna | Frequency[MHz] | 26db<br>EBW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|----------------------|----------|----------|------------|---------|
| 11A        | Ant1    | 5500           | 18.440               | 5490.680 | 5509.120 | ---        | ---     |
|            |         | 5600           | 18.640               | 5590.640 | 5609.280 | ---        | ---     |
|            |         | 5700           | 18.560               | 5690.680 | 5709.240 | ---        | ---     |
| 11N20SISO  | Ant1    | 5500           | 19.520               | 5490.240 | 5509.760 | ---        | ---     |
|            |         | 5600           | 19.520               | 5590.240 | 5609.760 | ---        | ---     |
|            |         | 5700           | 19.560               | 5690.280 | 5709.840 | ---        | ---     |
| 11N40SISO  | Ant1    | 5510           | 41.040               | 5489.600 | 5530.640 | ---        | ---     |
|            |         | 5590           | 41.120               | 5569.280 | 5610.400 | ---        | ---     |
|            |         | 5670           | 41.120               | 5649.600 | 5690.720 | ---        | ---     |
| 11AC20SISO | Ant1    | 5500           | 19.520               | 5490.280 | 5509.800 | ---        | ---     |
|            |         | 5600           | 19.480               | 5590.280 | 5609.760 | ---        | ---     |
|            |         | 5700           | 19.480               | 5690.360 | 5709.840 | ---        | ---     |
| 11AC40SISO | Ant1    | 5510           | 40.880               | 5489.680 | 5530.560 | ---        | ---     |
|            |         | 5590           | 41.280               | 5569.280 | 5610.560 | ---        | ---     |
|            |         | 5670           | 40.960               | 5649.520 | 5690.480 | ---        | ---     |
| 11AC80SISO | Ant1    | 5530           | 81.280               | 5489.200 | 5570.480 | ---        | ---     |
|            |         | 5610           | 81.280               | 5569.200 | 5650.480 | ---        | ---     |

## Test Graphs

11A\_Ant1\_5500



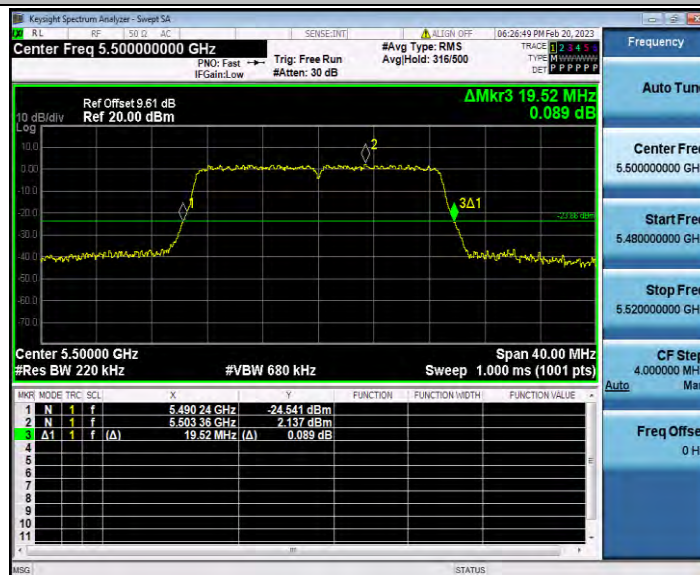
11A\_Ant1\_5600



11A\_Ant1\_5700



11N20SISO\_Ant1\_5500



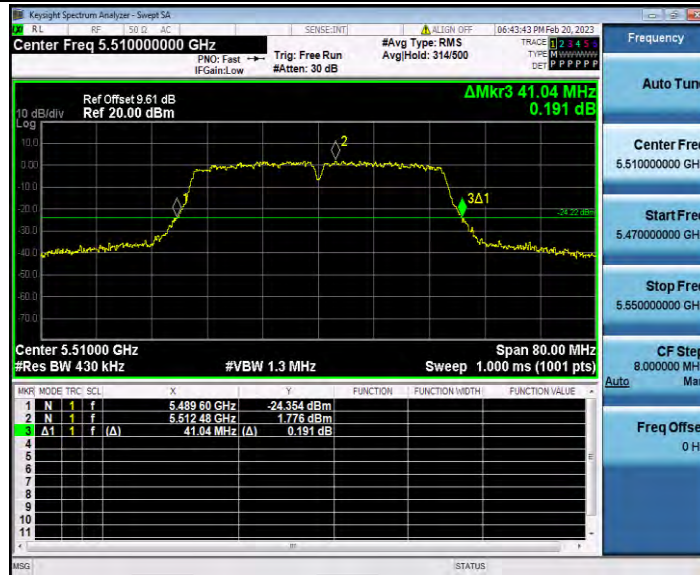
11N20SISO\_Ant1\_5600



# 11N20SISO\_Ant1\_5700



# 11N40SISO\_Ant1\_5510



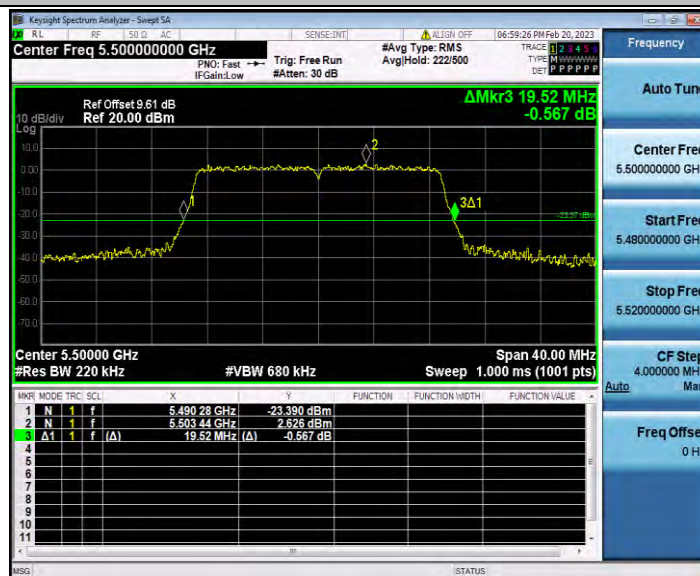
# 11N40SISO\_Ant1\_5590



11N40SISO\_Ant1\_5670



11AC20SISO\_Ant1\_5500



# 11AC20SISO\_Ant1\_5600



# 11AC20SISO\_Ant1\_5700



# 11AC40SISO\_Ant1\_5510



11AC40SISO\_Ant1\_5590



11AC40SISO\_Ant1\_5670



11AC80SISO\_Ant1\_5530



11AC80SISO\_Ant1\_5610



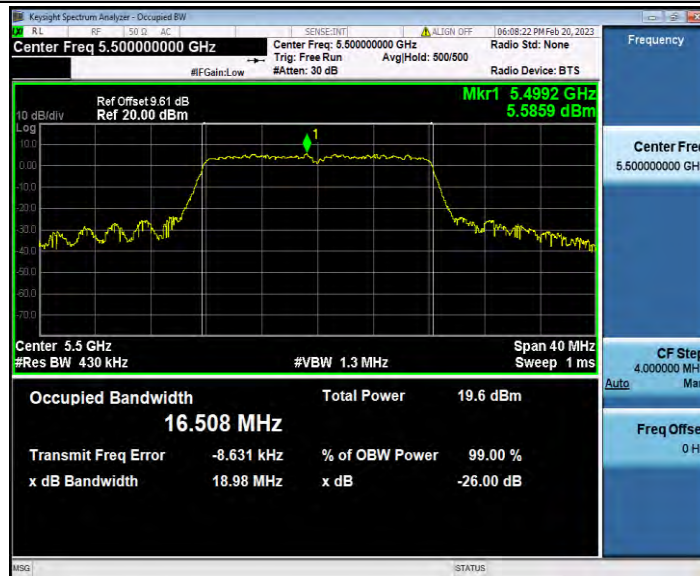
## Appendix F.2: Occupied channel bandwidth

### Test Result

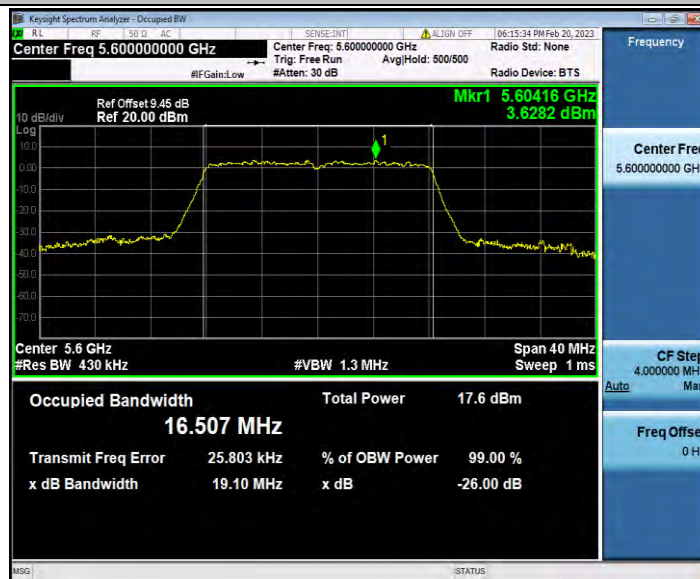
| TestMode   | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|-----------|----------|----------|------------|---------|
| 11A        | Ant1    | 5500           | 16.508    | 5491.737 | 5508.245 | ---        | ---     |
|            |         | 5600           | 16.507    | 5591.772 | 5608.279 | ---        | ---     |
|            |         | 5700           | 16.506    | 5691.792 | 5708.298 | ---        | ---     |
| 11N20SISO  | Ant1    | 5500           | 17.623    | 5491.215 | 5508.838 | ---        | ---     |
|            |         | 5600           | 17.631    | 5591.194 | 5608.825 | ---        | ---     |
|            |         | 5700           | 17.623    | 5691.247 | 5708.870 | ---        | ---     |
| 11N40SISO  | Ant1    | 5510           | 36.303    | 5491.961 | 5528.264 | ---        | ---     |
|            |         | 5590           | 36.336    | 5571.869 | 5608.205 | ---        | ---     |
|            |         | 5670           | 36.223    | 5651.971 | 5688.194 | ---        | ---     |
| 11AC20SISO | Ant1    | 5500           | 17.621    | 5491.212 | 5508.833 | ---        | ---     |
|            |         | 5600           | 17.641    | 5591.235 | 5608.876 | ---        | ---     |
|            |         | 5700           | 17.625    | 5691.259 | 5708.884 | ---        | ---     |
| 11AC40SISO | Ant1    | 5510           | 36.296    | 5491.954 | 5528.250 | ---        | ---     |
|            |         | 5590           | 36.341    | 5571.880 | 5608.221 | ---        | ---     |
|            |         | 5670           | 36.233    | 5651.976 | 5688.209 | ---        | ---     |
| 11AC80SISO | Ant1    | 5530           | 74.468    | 5492.873 | 5567.341 | ---        | ---     |
|            |         | 5610           | 74.811    | 5572.625 | 5647.436 | ---        | ---     |

## Test Graphs

11A\_Ant1\_5500



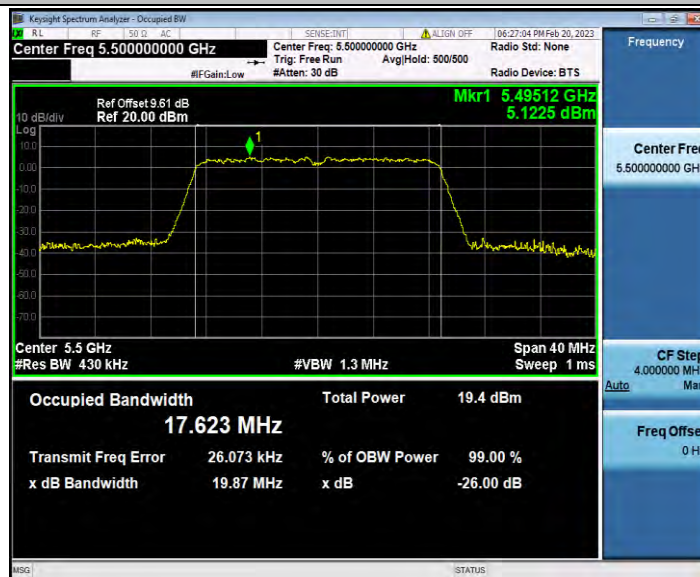
11A\_Ant1\_5600



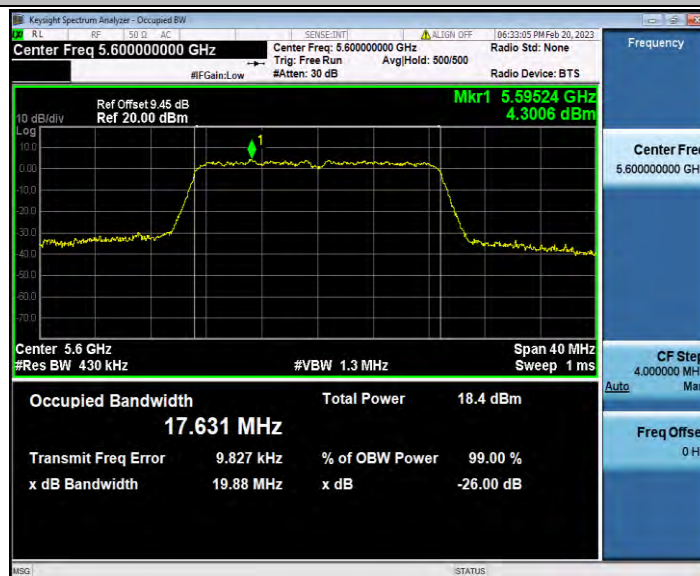
11A\_Ant1\_5700



11N20SISO\_Ant1\_5500



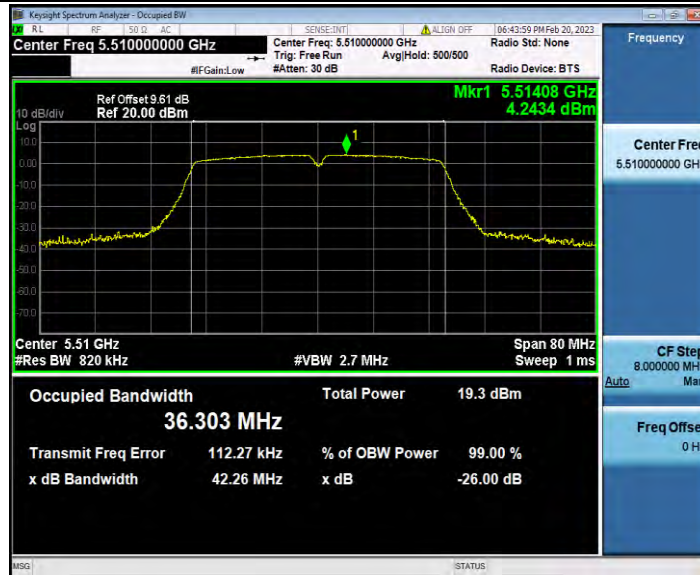
11N20SISO\_Ant1\_5600



# 11N20SISO\_Ant1\_5700



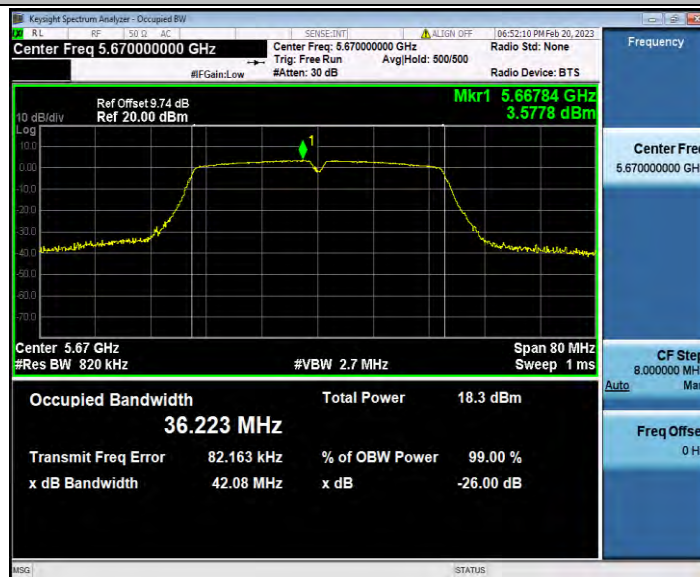
# 11N40SISO\_Ant1\_5510



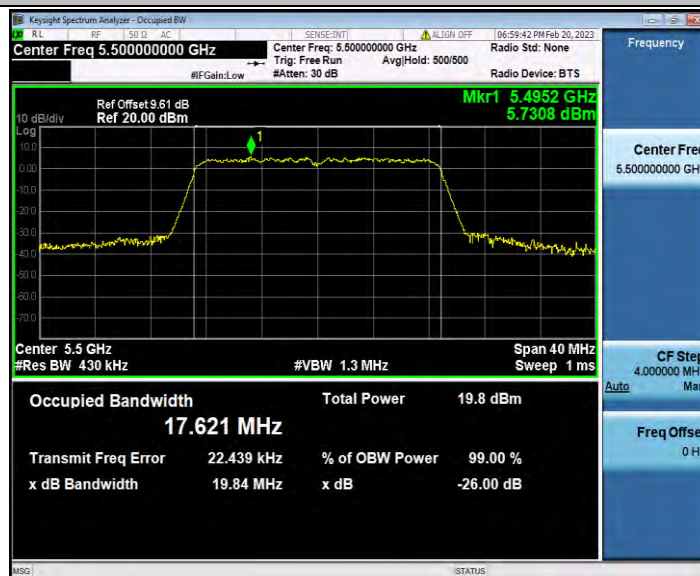
# 11N40SISO\_Ant1\_5590



11N40SISO\_Ant1\_5670



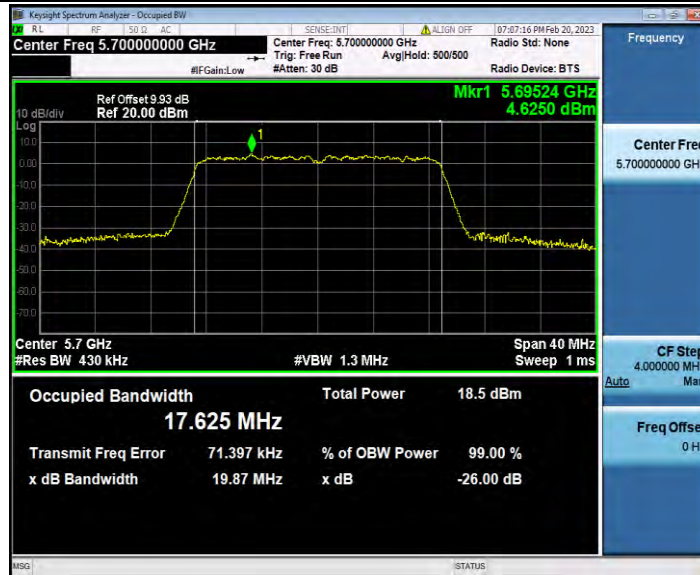
11AC20SISO\_Ant1\_5500



# 11AC20SISO\_Ant1\_5600



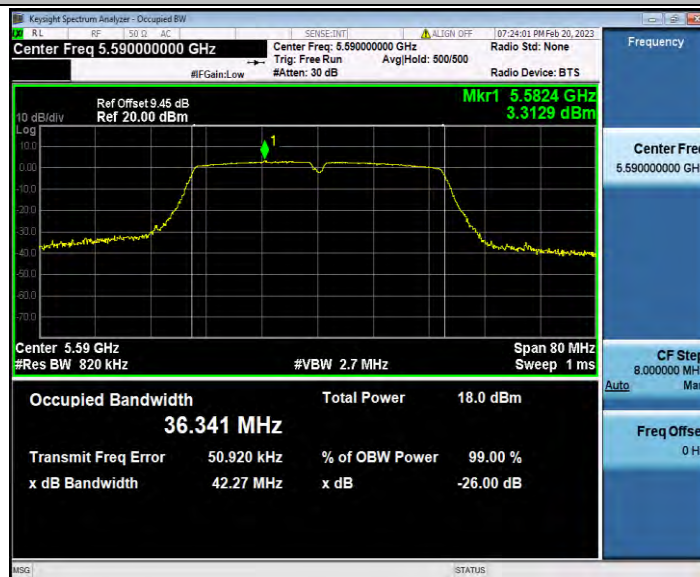
# 11AC20SISO\_Ant1\_5700



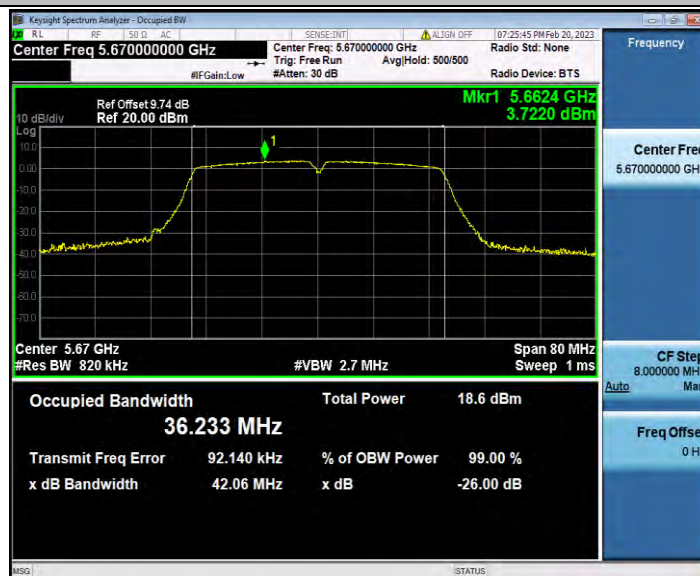
# 11AC40SISO\_Ant1\_5510



11AC40SISO\_Ant1\_5590



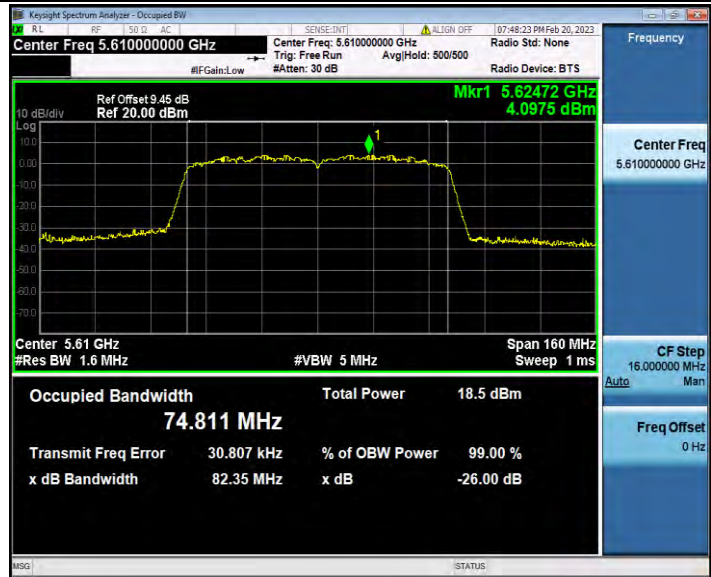
11AC40SISO\_Ant1\_5670



11AC80SISO\_Ant1\_5530



11AC80SISO\_Ant1\_5610



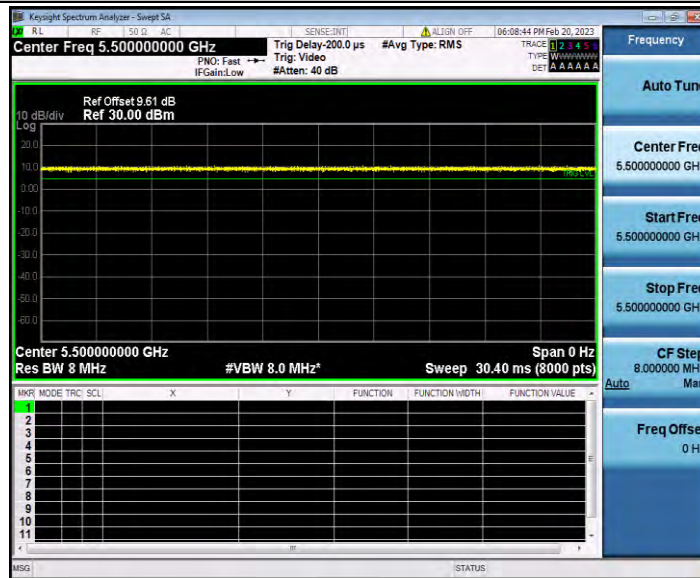
## Appendix F.3: Duty Cycle

### Test Result

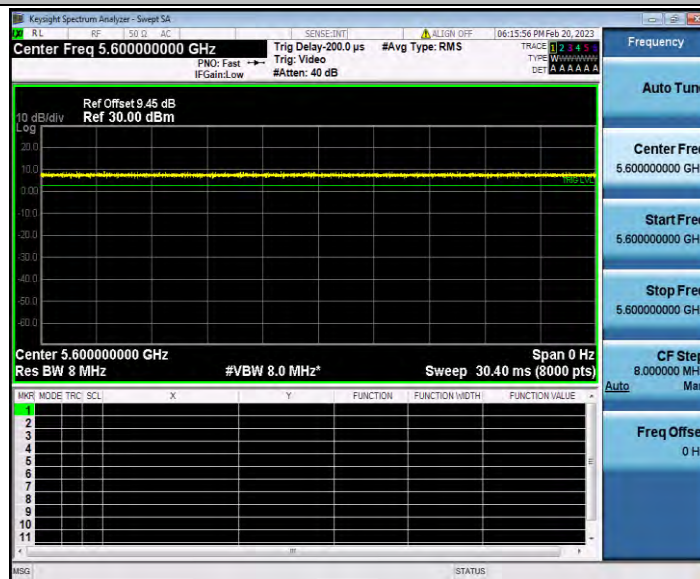
| TestMode   | Antenna | Frequency[MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|------------|---------|----------------|----------------------------|--------------------------|----------------|
| 11A        | Ant1    | 5500           | 30.00                      | 30.00                    | 100.00         |
|            |         | 5600           | 30.00                      | 30.00                    | 100.00         |
|            |         | 5700           | 30.00                      | 30.00                    | 100.00         |
| 11N20SISO  | Ant1    | 5500           | 30.00                      | 30.00                    | 100.00         |
|            |         | 5600           | 30.00                      | 30.00                    | 100.00         |
|            |         | 5700           | 30.00                      | 30.00                    | 100.00         |
| 11N40SISO  | Ant1    | 5510           | 30.00                      | 30.00                    | 100.00         |
|            |         | 5590           | 30.00                      | 30.00                    | 100.00         |
|            |         | 5670           | 30.00                      | 30.00                    | 100.00         |
| 11AC20SISO | Ant1    | 5500           | 30.00                      | 30.00                    | 100.00         |
|            |         | 5600           | 30.00                      | 30.00                    | 100.00         |
|            |         | 5700           | 30.00                      | 30.00                    | 100.00         |
| 11AC40SISO | Ant1    | 5510           | 30.00                      | 30.00                    | 100.00         |
|            |         | 5590           | 30.00                      | 30.00                    | 100.00         |
|            |         | 5670           | 30.00                      | 30.00                    | 100.00         |
| 11AC80SISO | Ant1    | 5530           | 30.00                      | 30.00                    | 100.00         |
|            |         | 5610           | 30.00                      | 30.00                    | 100.00         |

## Test Graphs

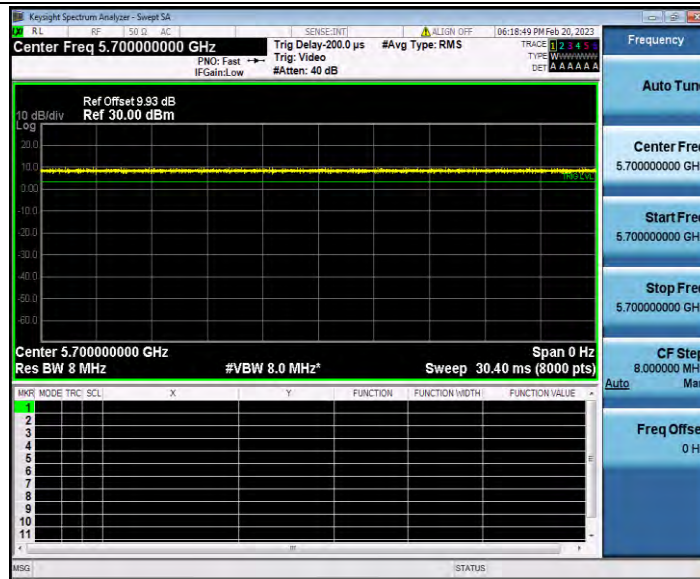
11A\_Ant1\_5500



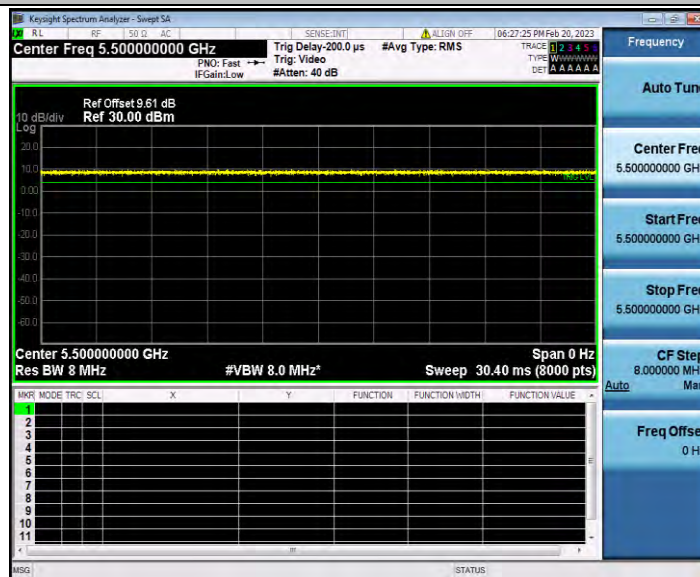
11A\_Ant1\_5600



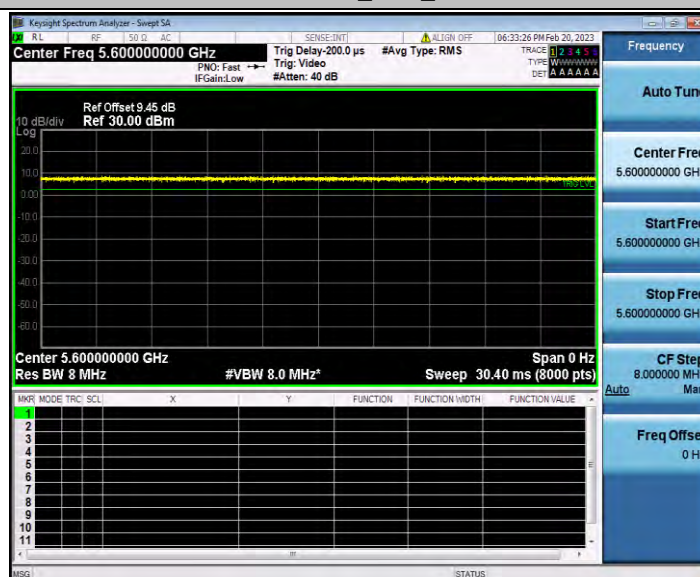
11A\_Ant1\_5700



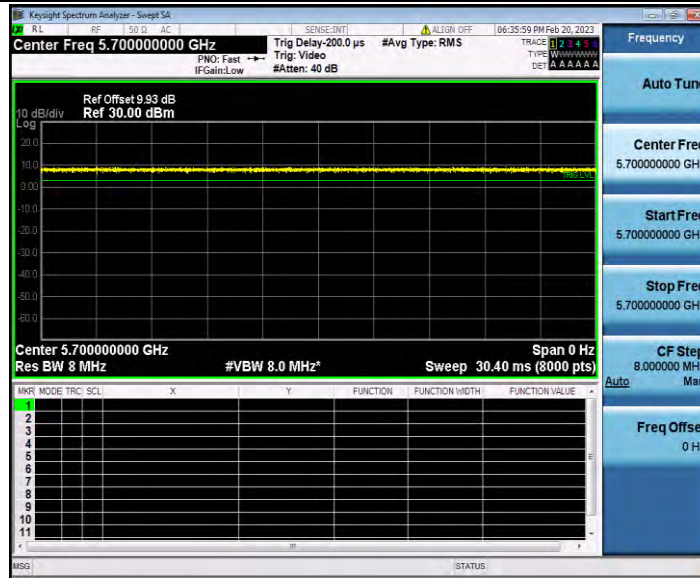
11N20SISO\_Ant1\_5500



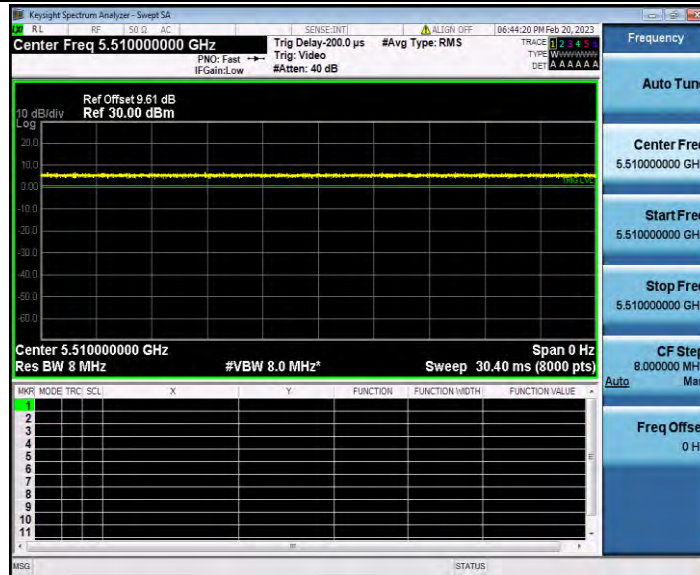
11N20SISO\_Ant1\_5600



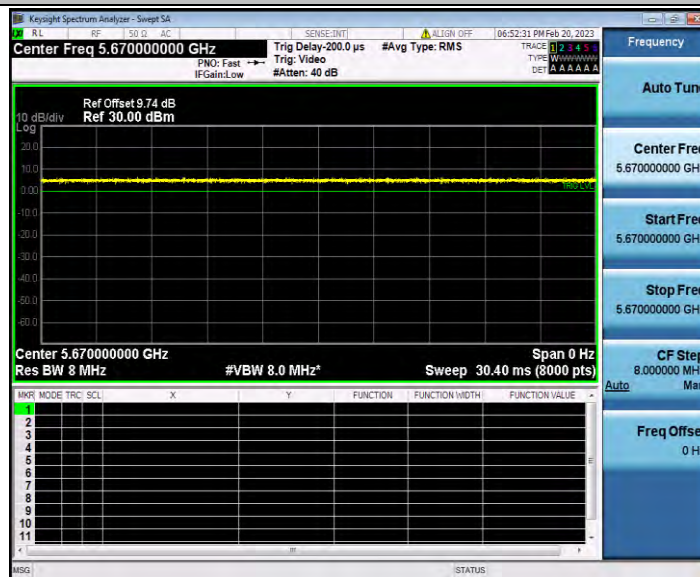
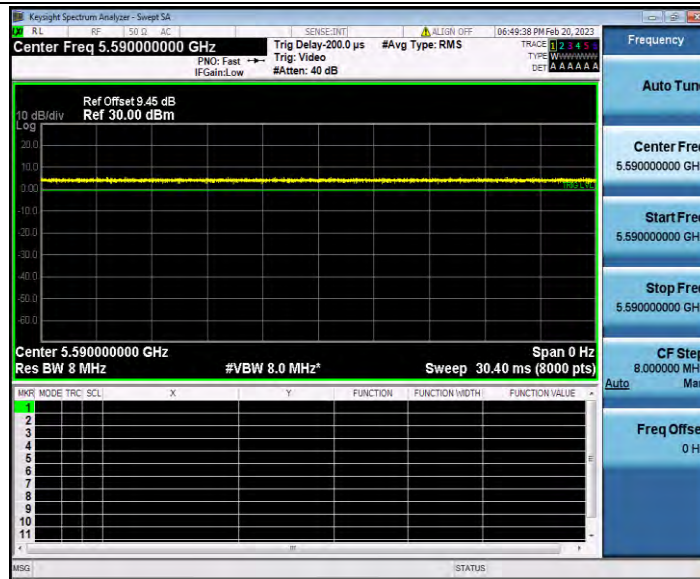
# 11N20SISO\_Ant1\_5700



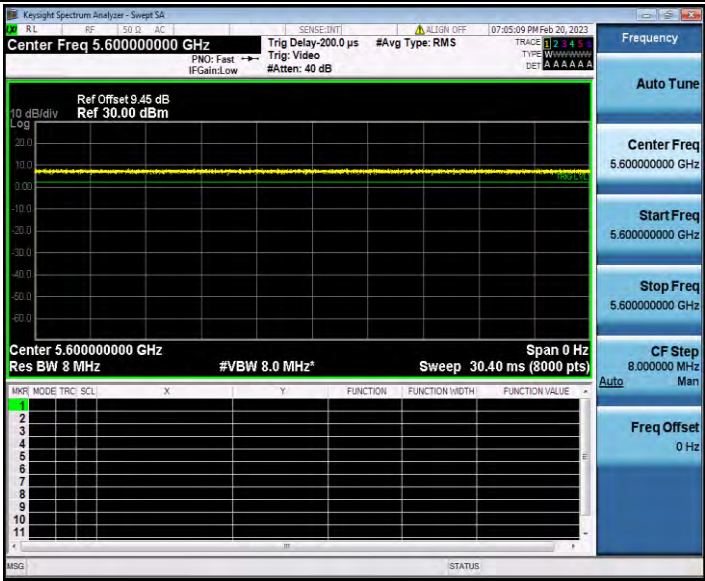
# 11N40SISO\_Ant1\_5510



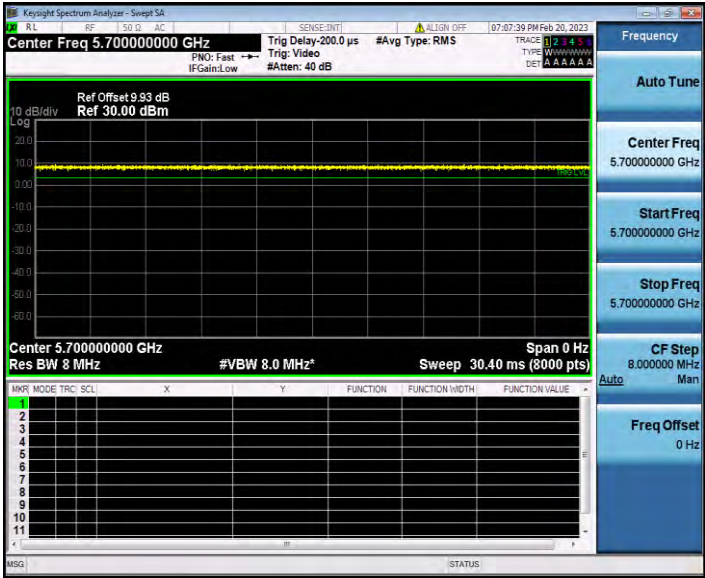
# 11N40SISO\_Ant1\_5590



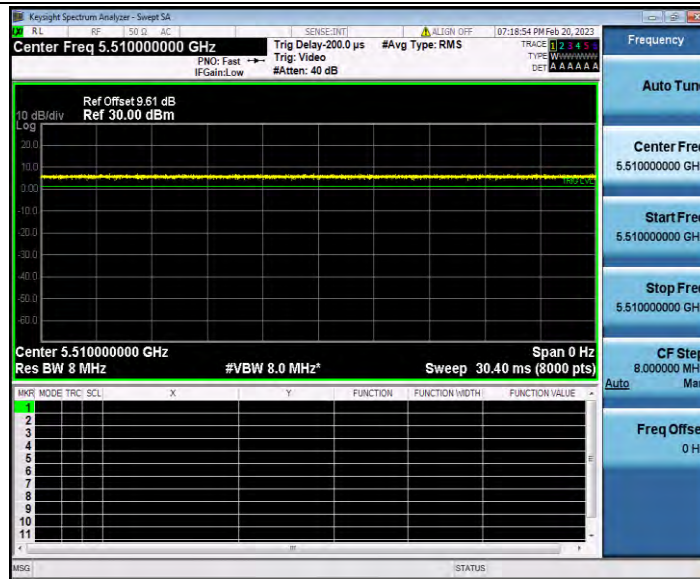
11AC20SISO\_Ant1\_5600



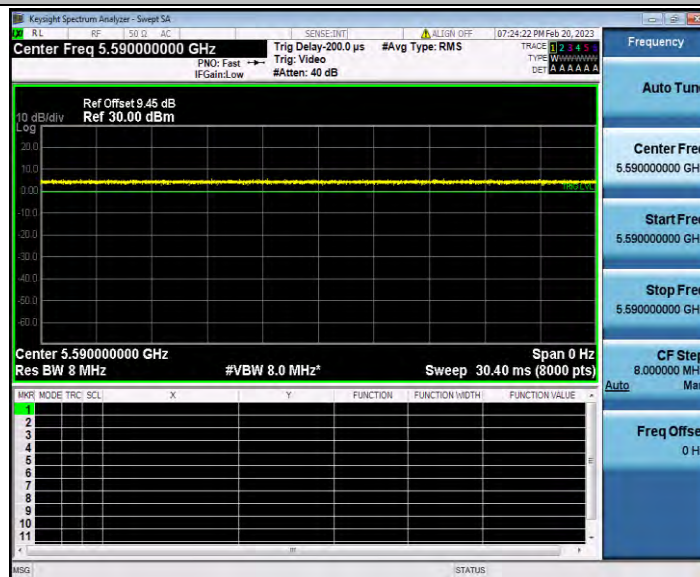
11AC20SISO\_Ant1\_5700



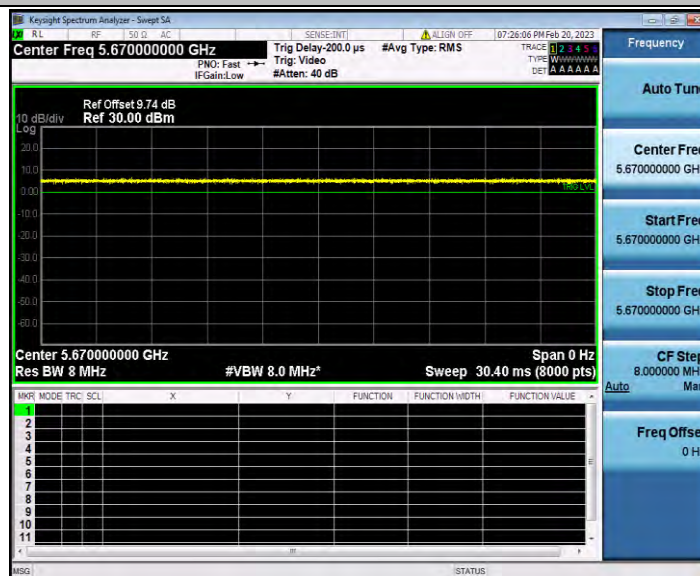
11AC40SISO\_Ant1\_5510



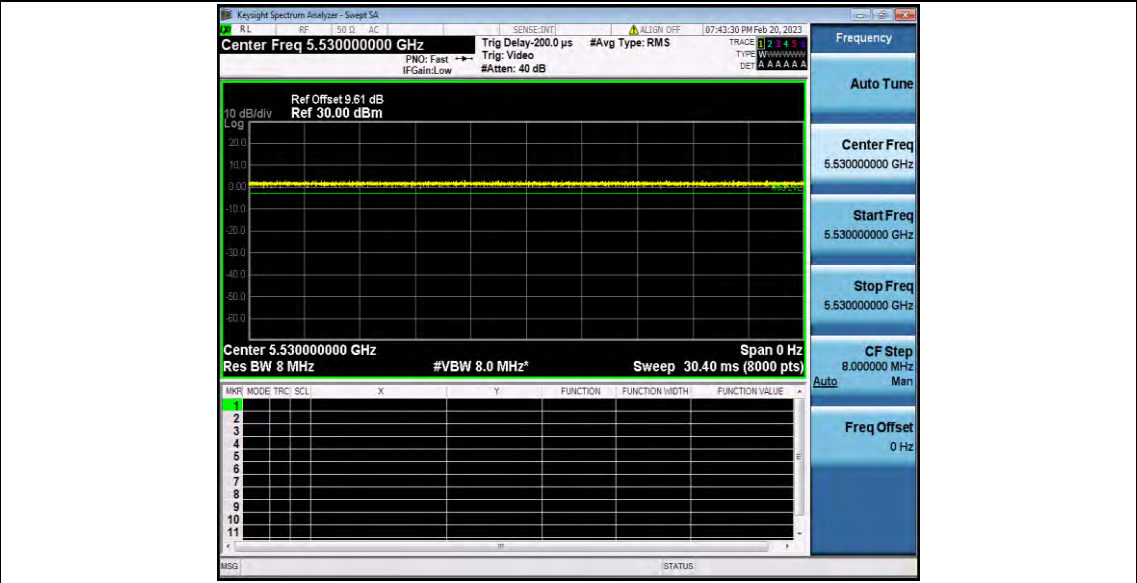
11AC40SISO\_Ant1\_5590



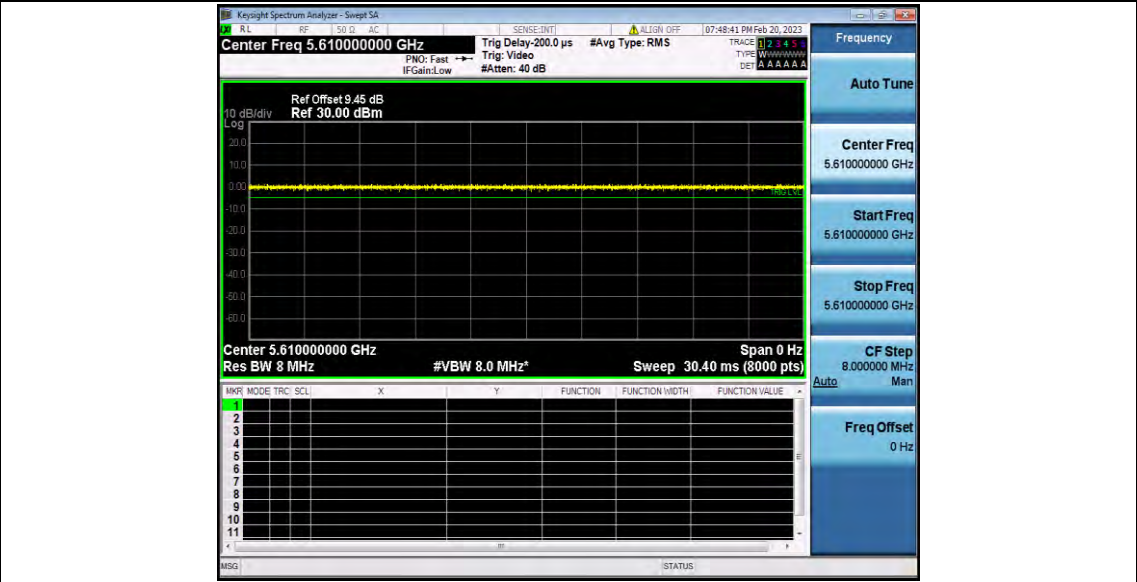
11AC40SISO\_Ant1\_5670



## 11AC80SISO\_Ant1\_5530



11AC80SISO\_Ant1\_5610



## Appendix F.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    | 5500            | 12.73               | 100.00         | 0.00            | 12.73        | ≤23.66      | PASS    |
|            |         | 5600            | 11.05               | 100.00         | 0.00            | 11.05        | ≤23.70      | PASS    |
|            |         | 5700            | 11.72               | 100.00         | 0.00            | 11.72        | ≤23.69      | PASS    |
| 11N20SISO  | Ant1    | 5500            | 12.40               | 100.00         | 0.00            | 12.40        | ≤23.90      | PASS    |
|            |         | 5600            | 11.24               | 100.00         | 0.00            | 11.24        | ≤23.90      | PASS    |
|            |         | 5700            | 11.59               | 100.00         | 0.00            | 11.59        | ≤23.91      | PASS    |
| 11N40SISO  | Ant1    | 5510            | 11.74               | 100.00         | 0.00            | 11.74        | ≤23.98      | PASS    |
|            |         | 5590            | 10.60               | 100.00         | 0.00            | 10.60        | ≤23.98      | PASS    |
|            |         | 5670            | 11.15               | 100.00         | 0.00            | 11.15        | ≤23.98      | PASS    |
| 11AC20SISO | Ant1    | 5500            | 12.73               | 100.00         | 0.00            | 12.73        | ≤23.90      | PASS    |
|            |         | 5600            | 11.08               | 100.00         | 0.00            | 11.08        | ≤23.90      | PASS    |
|            |         | 5700            | 11.77               | 100.00         | 0.00            | 11.77        | ≤23.90      | PASS    |
| 11AC40SISO | Ant1    | 5510            | 12.08               | 100.00         | 0.00            | 12.08        | ≤23.98      | PASS    |
|            |         | 5590            | 10.73               | 100.00         | 0.00            | 10.73        | ≤23.98      | PASS    |
|            |         | 5670            | 11.38               | 100.00         | 0.00            | 11.38        | ≤23.98      | PASS    |
| 11AC80SISO | Ant1    | 5530            | 10.86               | 100.00         | 0.00            | 10.86        | ≤23.98      | PASS    |
|            |         | 5610            | 9.49                | 100.00         | 0.00            | 9.49         | ≤23.98      | PASS    |

Note: The Duty Cycle Factor is compensated in the graph.

## Appendix F.5: Maximum power spectral density

### Test Result

| TestMode   | Antenna | Frequency[MHz] | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|----------------|------------------|----------------|---------|
| 11A        | Ant1    | 5500           | 0.77             | ≤11.00         | PASS    |
|            |         | 5600           | -0.86            | ≤11.00         | PASS    |
|            |         | 5700           | -0.16            | ≤11.00         | PASS    |
| 11N20SISO  | Ant1    | 5500           | 0.1              | ≤11.00         | PASS    |
|            |         | 5600           | -1.04            | ≤11.00         | PASS    |
|            |         | 5700           | -0.62            | ≤11.00         | PASS    |
| 11N40SISO  | Ant1    | 5510           | -2.66            | ≤11.00         | PASS    |
|            |         | 5590           | -3.8             | ≤11.00         | PASS    |
|            |         | 5670           | -3.18            | ≤11.00         | PASS    |
| 11AC20SISO | Ant1    | 5500           | 0.39             | ≤11.00         | PASS    |
|            |         | 5600           | -1.09            | ≤11.00         | PASS    |
|            |         | 5700           | -0.44            | ≤11.00         | PASS    |
| 11AC40SISO | Ant1    | 5510           | -2.33            | ≤11.00         | PASS    |
|            |         | 5590           | -3.65            | ≤11.00         | PASS    |
|            |         | 5670           | -2.94            | ≤11.00         | PASS    |
| 11AC80SISO | Ant1    | 5530           | -5.93            | ≤11.00         | PASS    |
|            |         | 5610           | -7.44            | ≤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

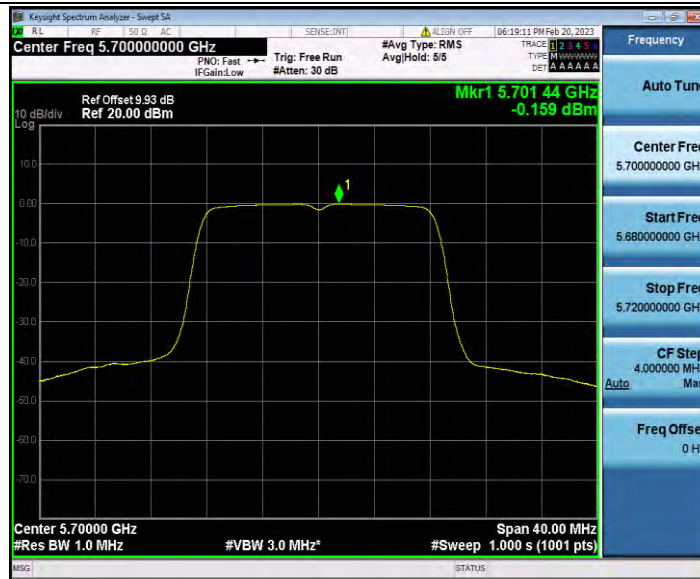
11A\_Ant1\_5500



11A\_Ant1\_5600



11A\_Ant1\_5700



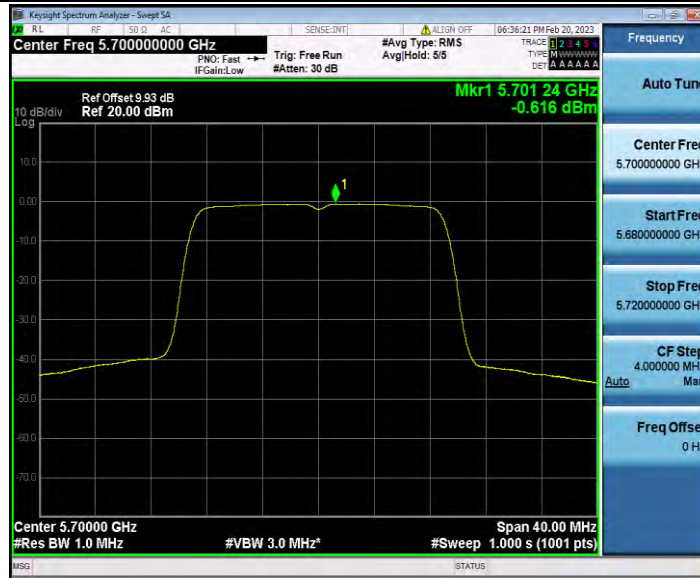
11N20SISO\_Ant1\_5500



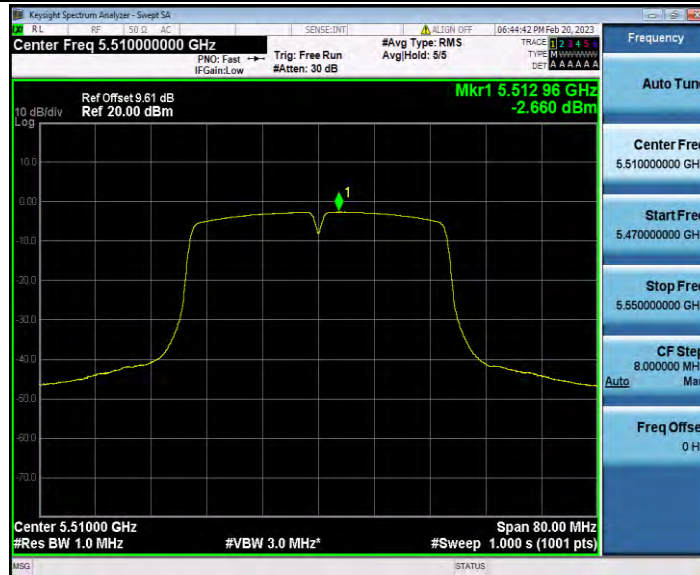
11N20SISO\_Ant1\_5600



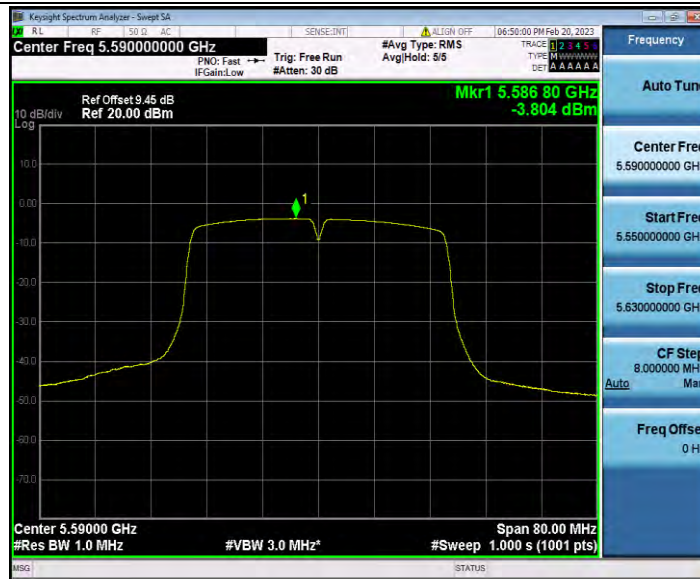
# 11N20SISO\_Ant1\_5700



# 11N40SISO\_Ant1\_5510



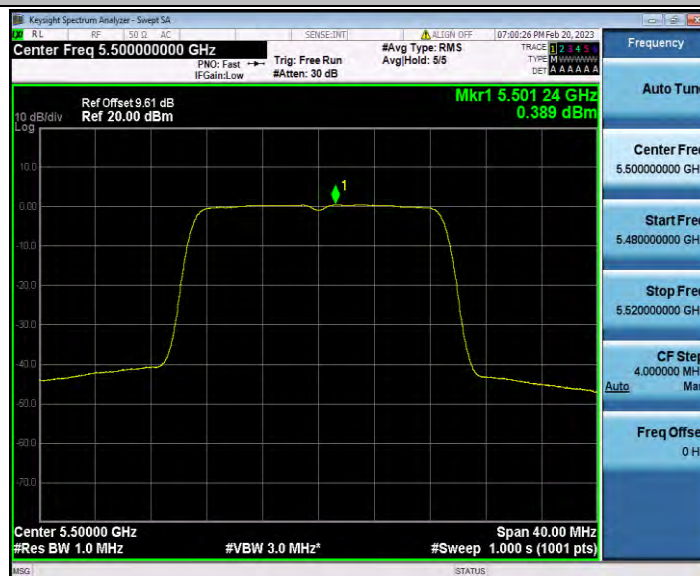
# 11N40SISO\_Ant1\_5590



11N40SISO\_Ant1\_5670



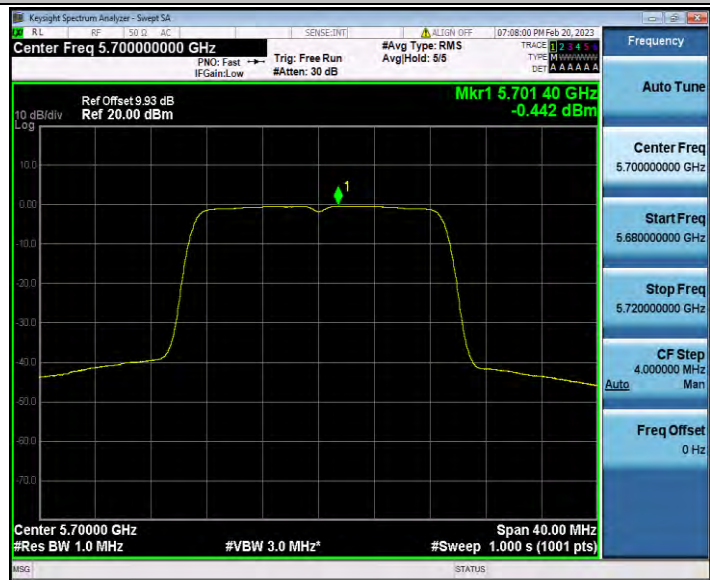
11AC20SISO\_Ant1\_5500



11AC20SISO\_Ant1\_5600



11AC20SISO\_Ant1\_5700



11AC40SISO\_Ant1\_5510



11AC40SISO\_Ant1\_5590



11AC40SISO\_Ant1\_5670



11AC80SISO\_Ant1\_5530



11AC80SISO\_Ant1\_5610



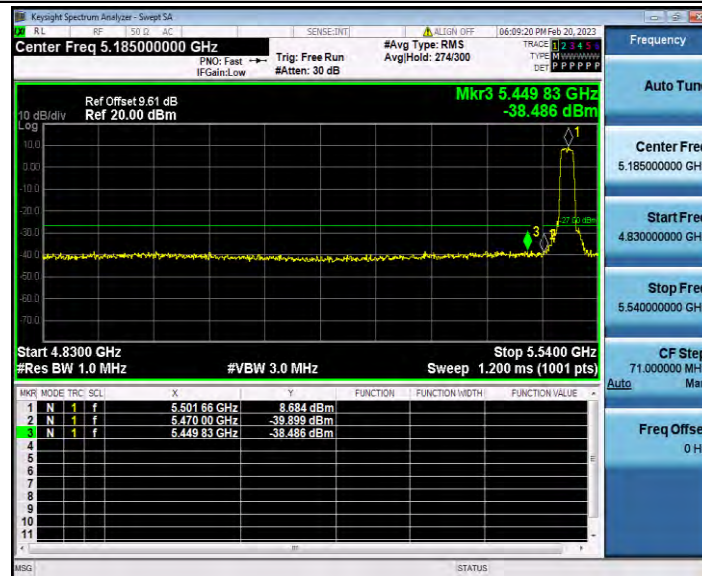
## Appendix F.6: Band edge measurements

### Test Result B3

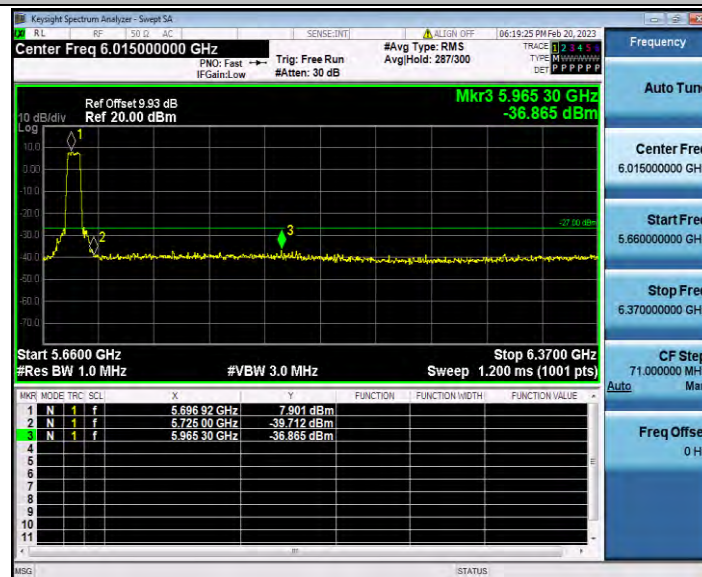
| TestMode   | Antenna | ChName | Frequency[MHz] | Result[dBm] | Limit[dBm] | Verdict |
|------------|---------|--------|----------------|-------------|------------|---------|
| 11A        | Ant1    | Low    | 5500           | -38.49      | $\leq -27$ | PASS    |
|            |         | High   | 5700           | -36.87      | $\leq -27$ | PASS    |
| 11N20SISO  | Ant1    | Low    | 5500           | -37.2       | $\leq -27$ | PASS    |
|            |         | High   | 5700           | -36.83      | $\leq -27$ | PASS    |
| 11N40SISO  | Ant1    | Low    | 5510           | -36.42      | $\leq -27$ | PASS    |
|            |         | High   | 5670           | -37.66      | $\leq -27$ | PASS    |
| 11AC20SISO | Ant1    | Low    | 5500           | -37.35      | $\leq -27$ | PASS    |
|            |         | High   | 5700           | -36.96      | $\leq -27$ | PASS    |
| 11AC40SISO | Ant1    | Low    | 5510           | -37.31      | $\leq -27$ | PASS    |
|            |         | High   | 5670           | -37.74      | $\leq -27$ | PASS    |
| 11AC80SISO | Ant1    | Low    | 5530           | -36.1       | $\leq -27$ | PASS    |
|            |         | High   | 5610           | -38.07      | $\leq -27$ | PASS    |

## Test Graphs B3

11A\_Ant1\_Low\_5500



11A\_Ant1\_High\_5700



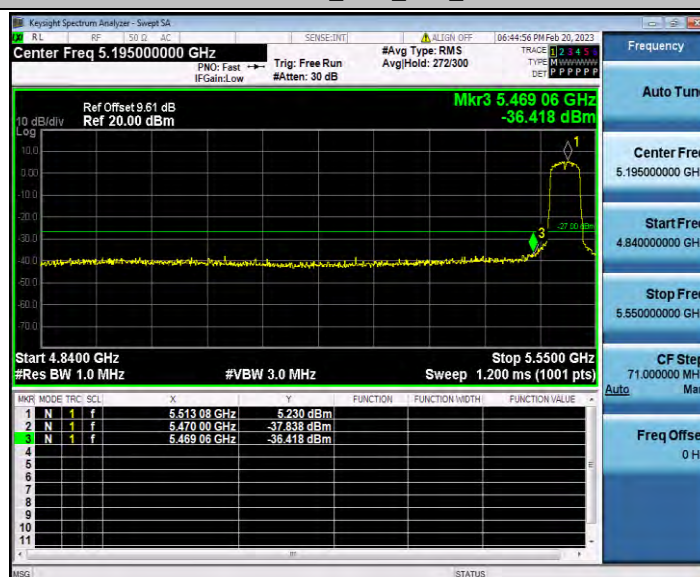
11N20SISO\_Ant1\_Low\_5500



11N20SISO\_Ant1\_High\_5700



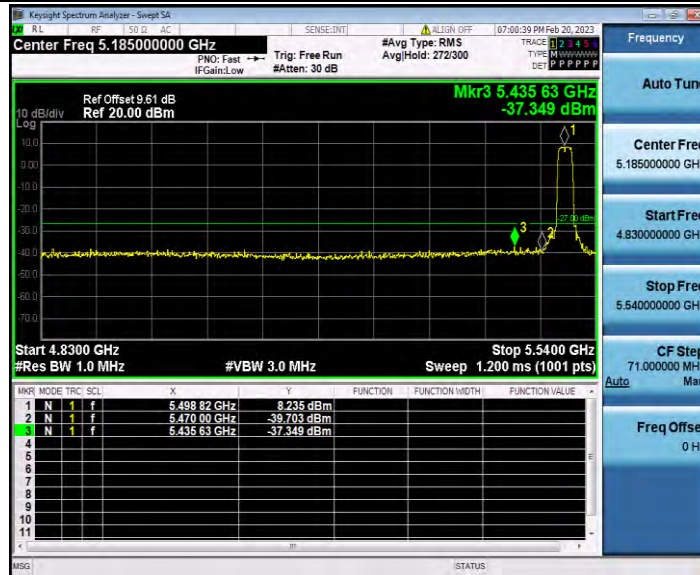
11N40SISO\_Ant1\_Low\_5510



# 11N40SISO\_Ant1\_High\_5670



# 11AC20SISO\_Ant1\_Low\_5500



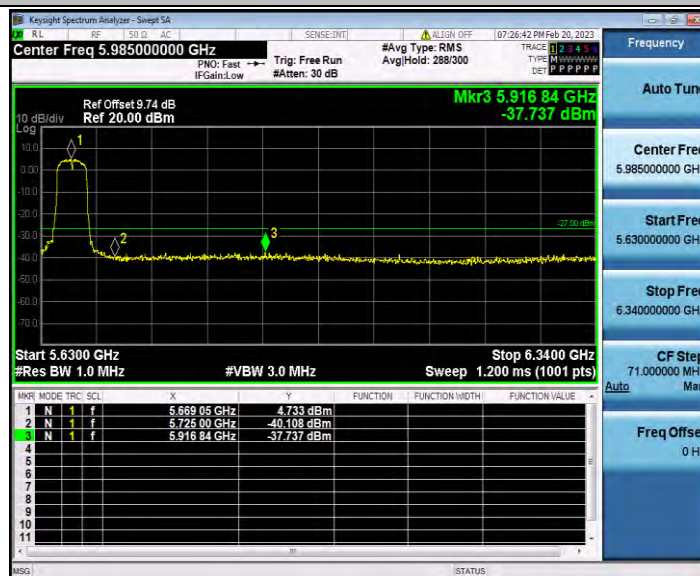
# 11AC20SISO\_Ant1\_High\_5700



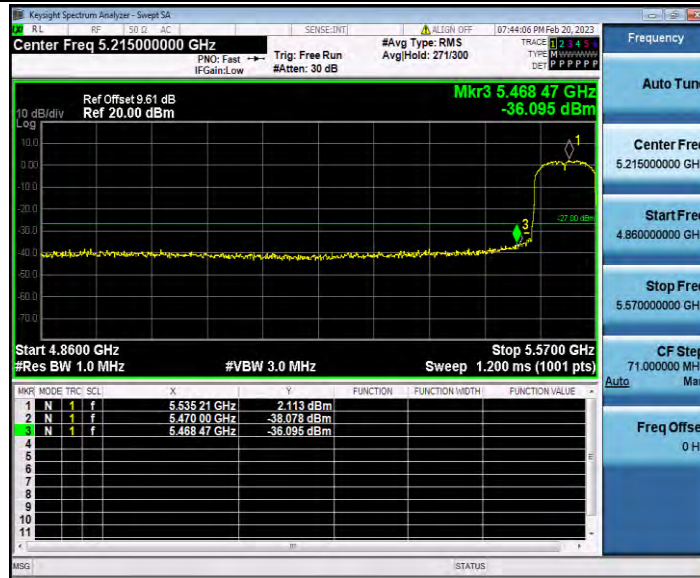
11AC40SISO\_Ant1\_Low\_5510



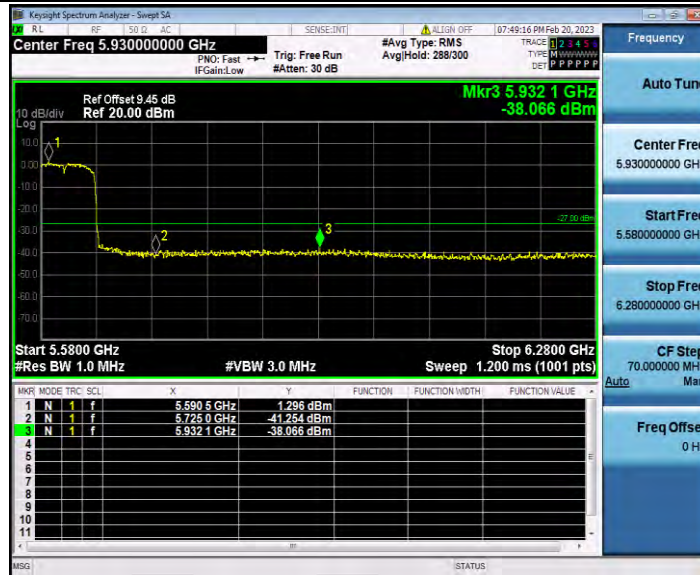
11AC40SISO\_Ant1\_High\_5670



# 11AC80SISO\_Ant1\_Low\_5530



# 11AC80SISO\_Ant1\_High\_5610



## Appendix F.7: Conducted Spurious Emission

### Test Result

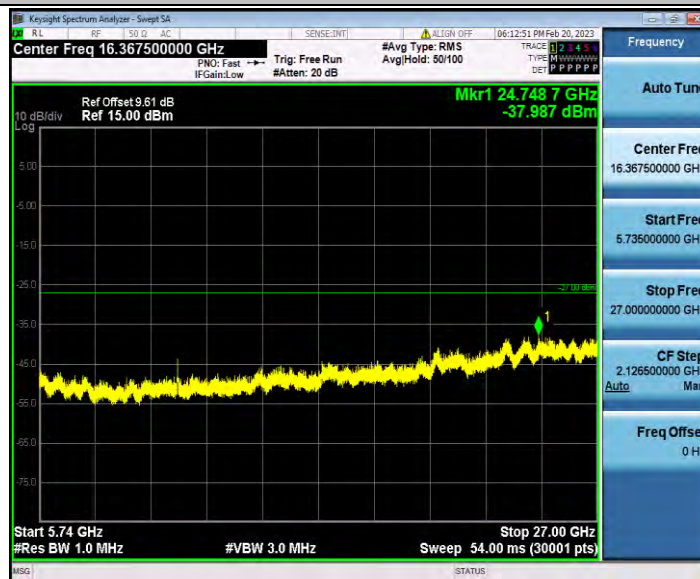
| TestMode   | Antenna | Frequency[MHz] | FreqRange [MHz] | Max. Fre [MHz] | Max. Level [dBm] | Limit [dBm] | Verdict |
|------------|---------|----------------|-----------------|----------------|------------------|-------------|---------|
| 11A        | Ant1    | 5500           | 30~5460         | 5413.66        | -46.07           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 24748.75       | -37.99           | ≤-27        | PASS    |
|            |         | 5600           | 30~5460         | 4800.98        | -47.24           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 24951.47       | -37.74           | ≤-27        | PASS    |
|            |         | 5700           | 30~5460         | 5445.34        | -45.59           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 25633.37       | -37.75           | ≤-27        | PASS    |
| 11N20SISO  | Ant1    | 5500           | 30~5460         | 5445.52        | -45.29           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 24999.67       | -37.66           | ≤-27        | PASS    |
|            |         | 5600           | 30~5460         | 5442.26        | -45.95           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 24910.36       | -38.26           | ≤-27        | PASS    |
|            |         | 5700           | 30~5460         | 5433.21        | -46.2            | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 25018.1        | -36.99           | ≤-27        | PASS    |
| 11N40SISO  | Ant1    | 5510           | 30~5460         | 5458.01        | -41.6            | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 24293.67       | -37.82           | ≤-27        | PASS    |
|            |         | 5590           | 30~5460         | 4942.88        | -47.22           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 25244.93       | -37.75           | ≤-27        | PASS    |
|            |         | 5670           | 30~5460         | 1739.91        | -44.5            | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 24270.99       | -37.63           | ≤-27        | PASS    |
| 11AC20SISO | Ant1    | 5500           | 30~5460         | 5421.27        | -46.15           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 24251.85       | -36.99           | ≤-27        | PASS    |
|            |         | 5600           | 30~5460         | 3312.07        | -46.88           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 26049.45       | -37.73           | ≤-27        | PASS    |
|            |         | 5700           | 30~5460         | 5438.28        | -46.38           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 25215.16       | -36.73           | ≤-27        | PASS    |
| 11AC40SISO | Ant1    | 5510           | 30~5460         | 5458.19        | -42.15           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 26037.4        | -37.69           | ≤-27        | PASS    |
|            |         | 5590           | 30~5460         | 1736.83        | -38.87           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 26858.23       | -37.29           | ≤-27        | PASS    |
|            |         | 5670           | 30~5460         | 5423.8         | -44.56           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 24799.07       | -37.69           | ≤-27        | PASS    |
| 11AC80SISO | Ant1    | 5530           | 30~5460         | 5446.43        | -40.76           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 24232.01       | -37.69           | ≤-27        | PASS    |
|            |         | 5610           | 30~5460         | 5431.95        | -47.02           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 25040.78       | -37.97           | ≤-27        | PASS    |

## Test Graphs

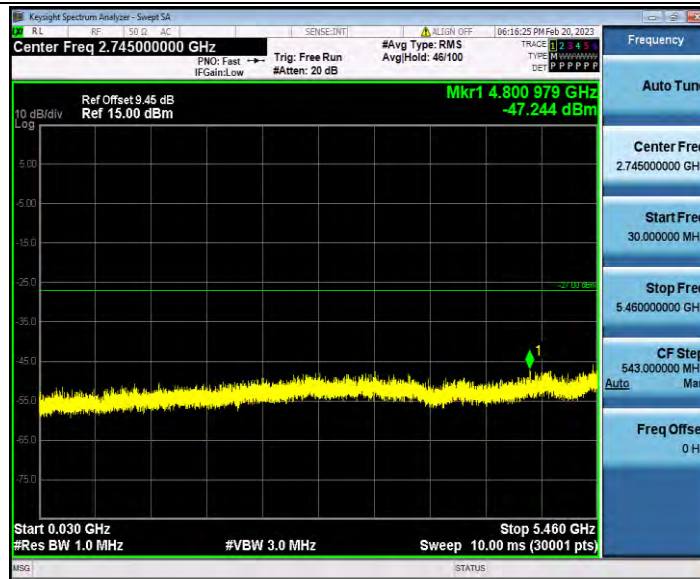
11A\_Ant1\_5500\_30~5460



11A\_Ant1\_5500\_5735~40000



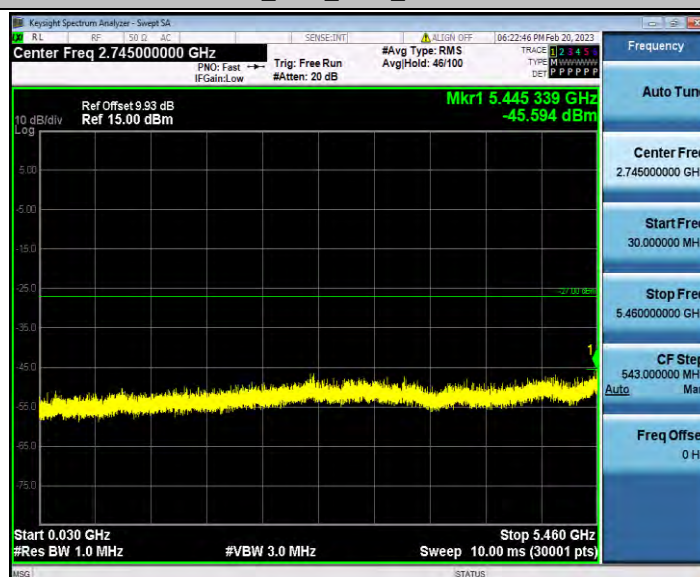
11A\_Ant1\_5600\_30~5460



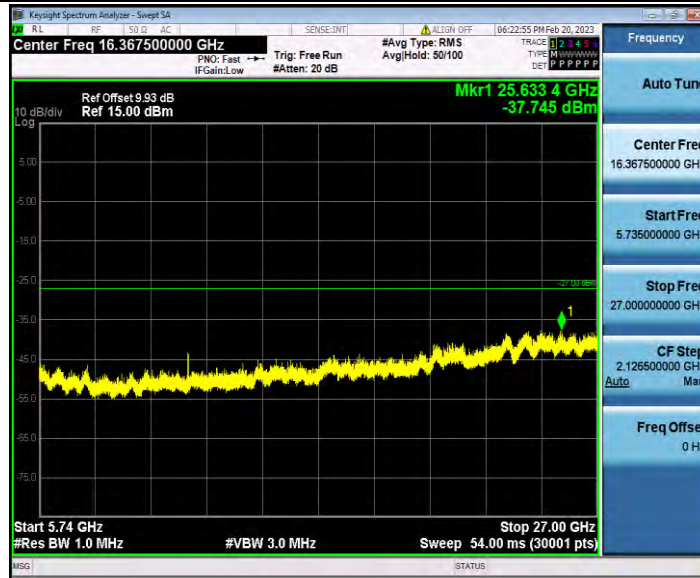
11A\_Ant1\_5600\_5735~40000



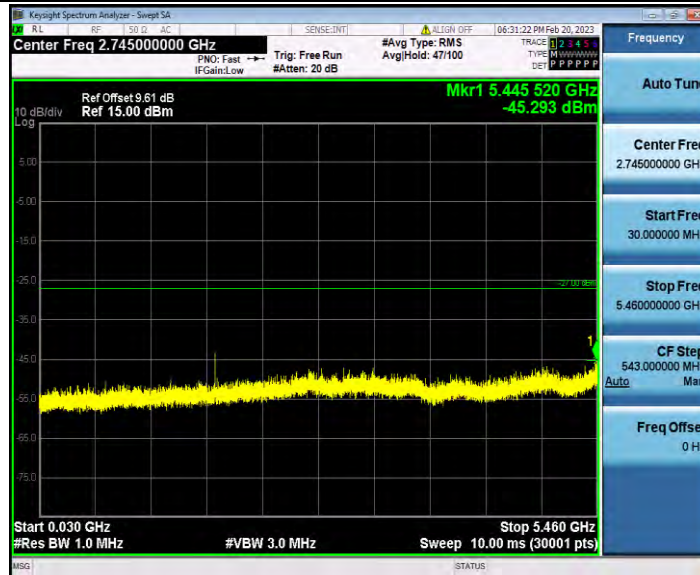
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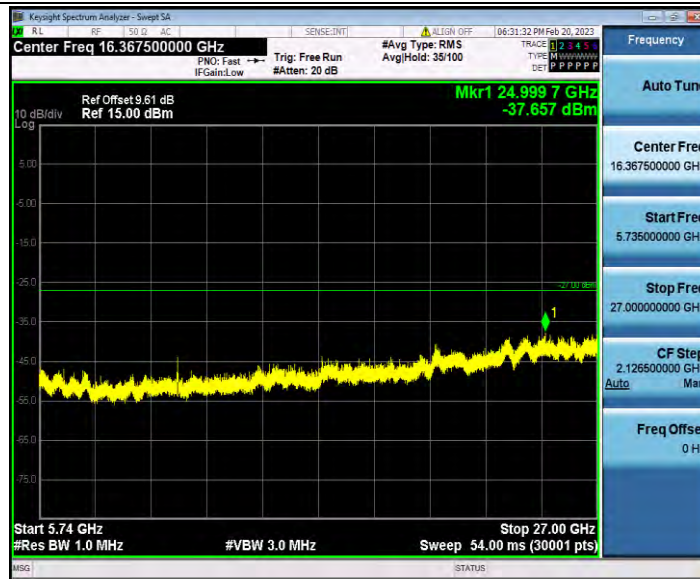
# 11A\_Ant1\_5700\_5735~40000



# 11N20SISO\_Ant1\_5500\_30~5460



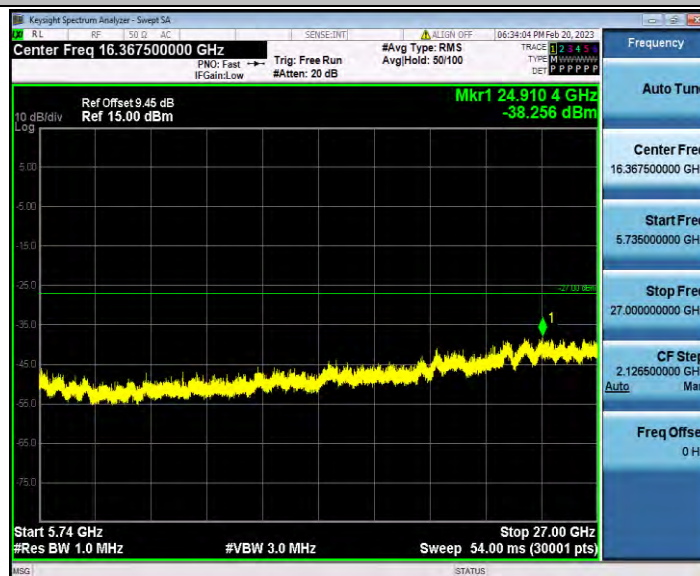
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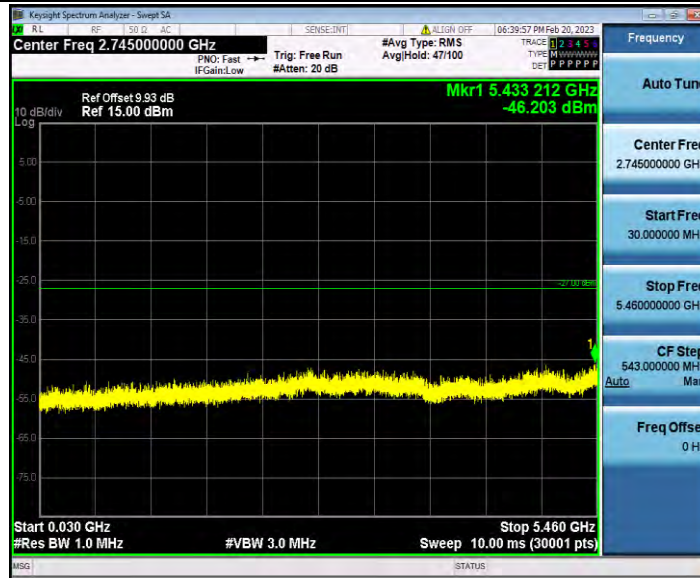
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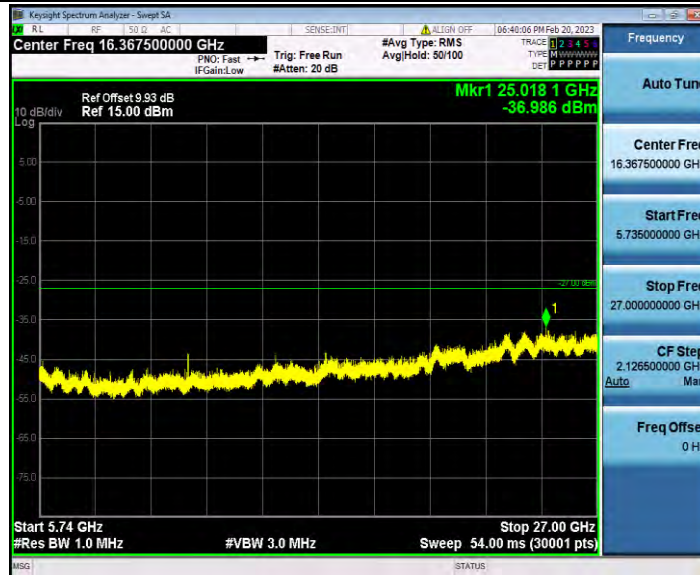
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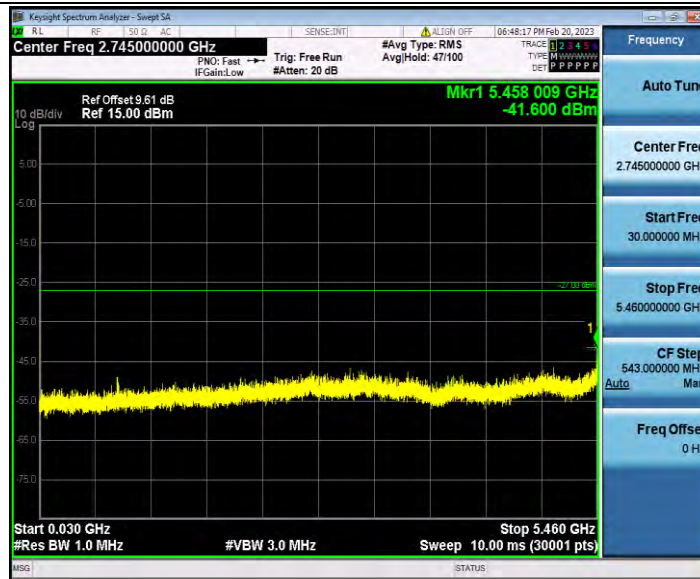
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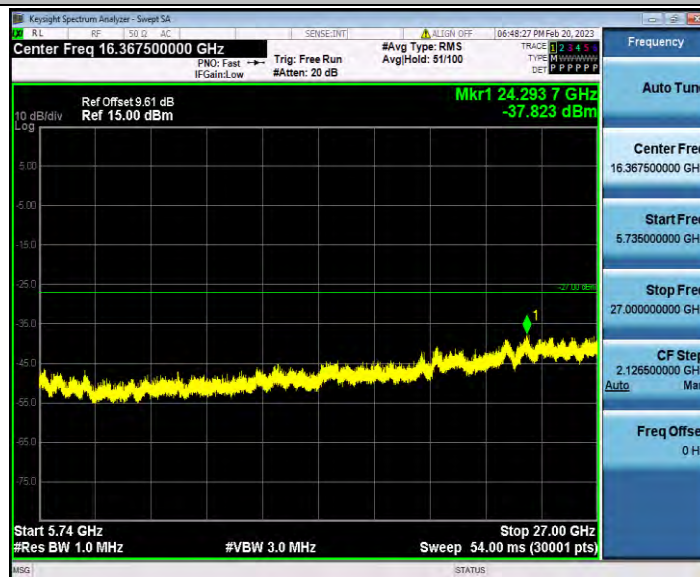
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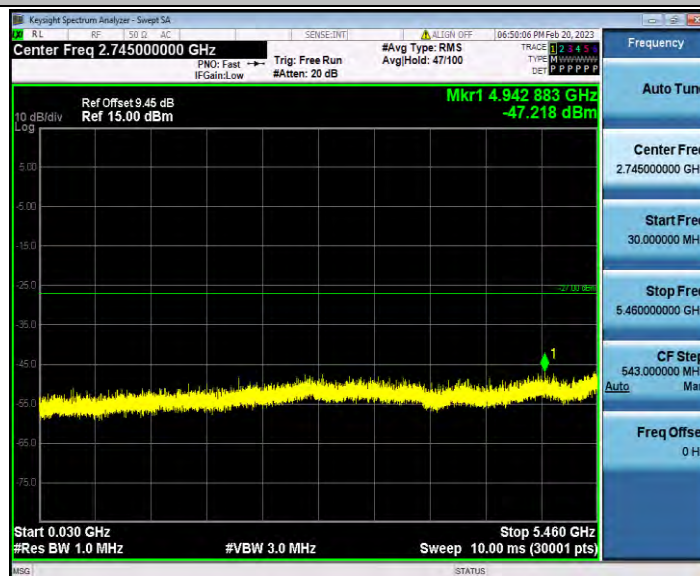
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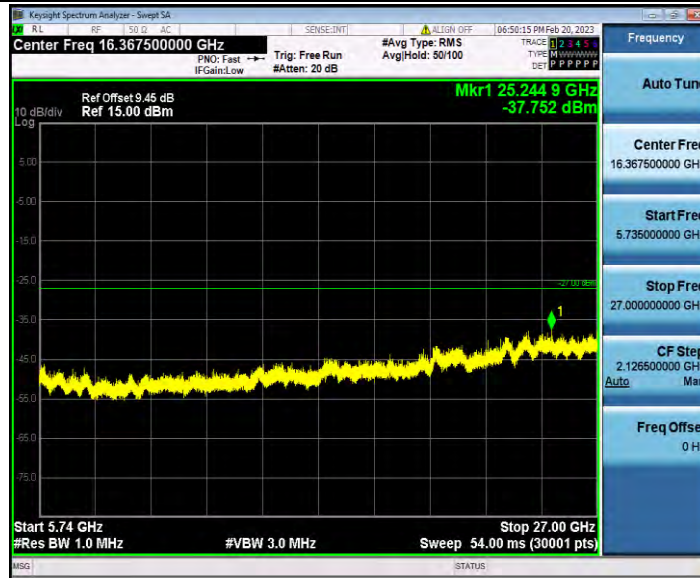
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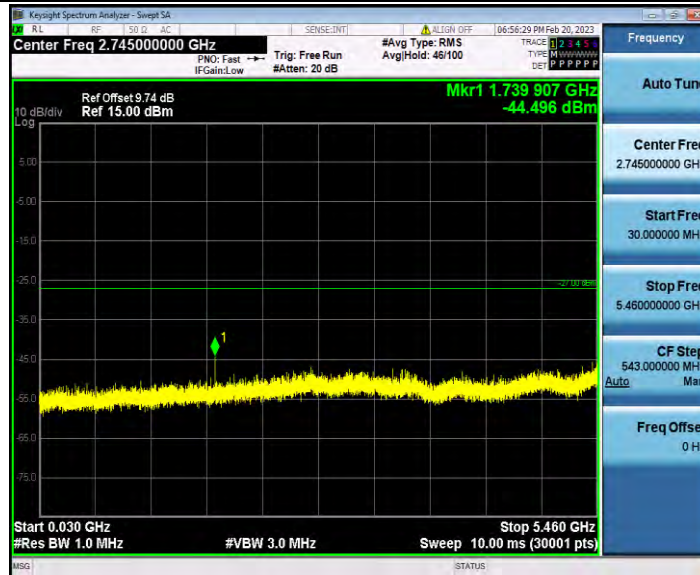
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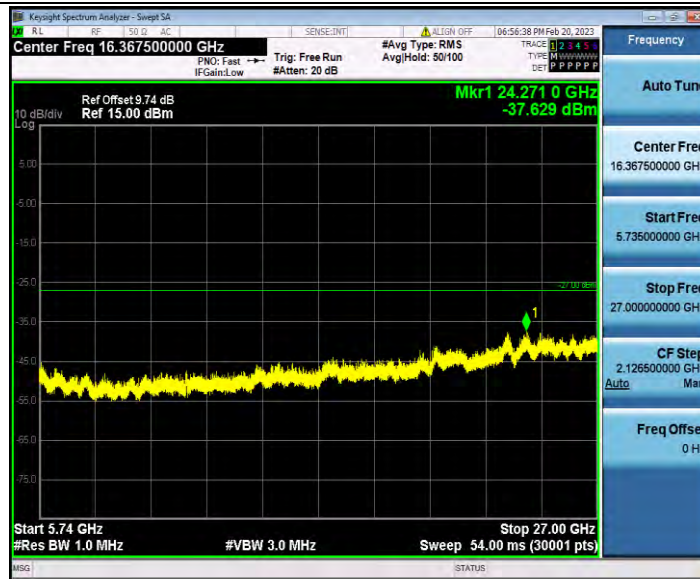
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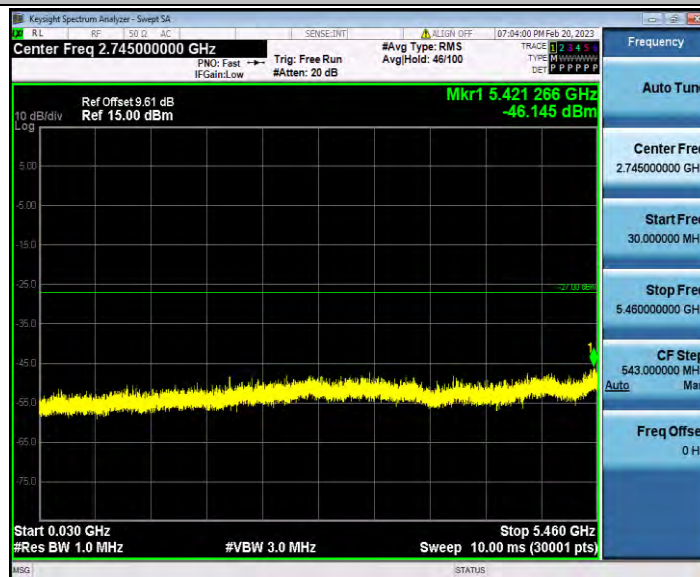
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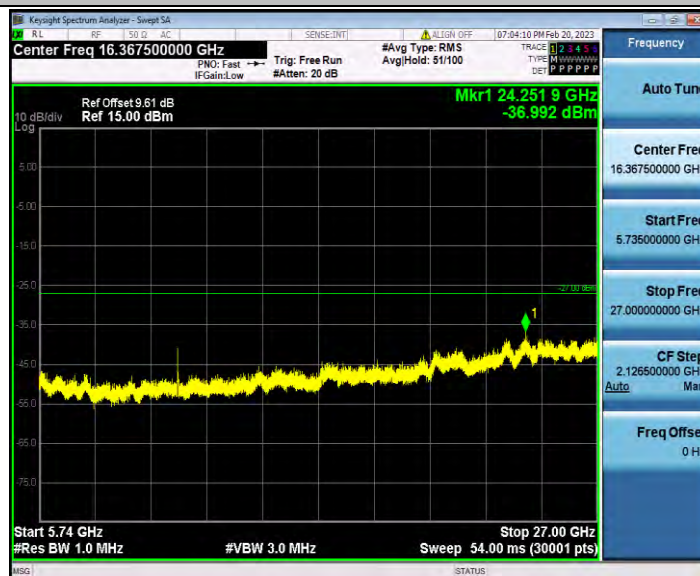
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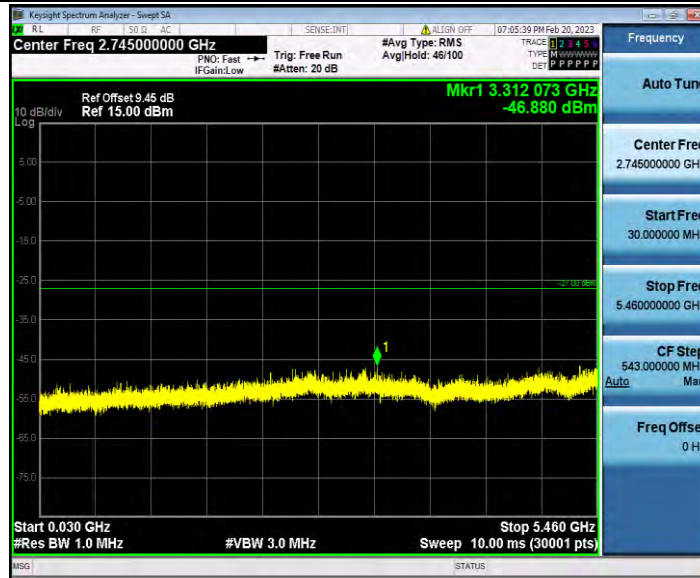
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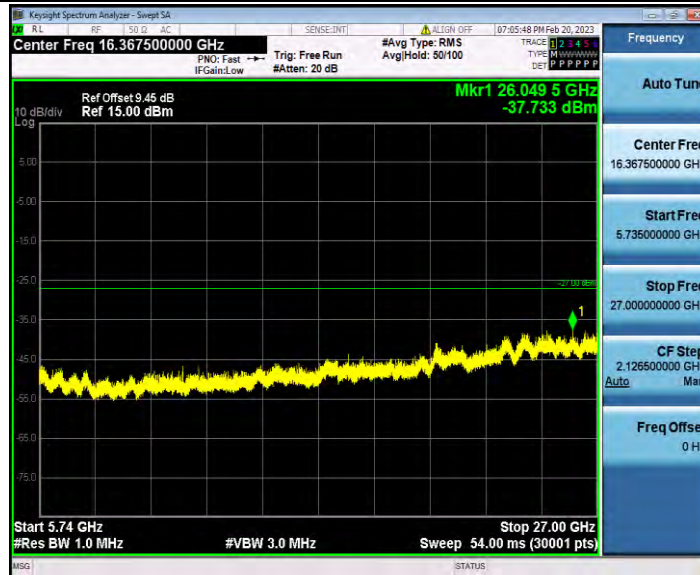
11AC20SISO\_Ant1\_5500\_5735~40000



# 11AC20SISO\_Ant1\_5600\_30~5460



# 11AC20SISO\_Ant1\_5600\_5735~40000



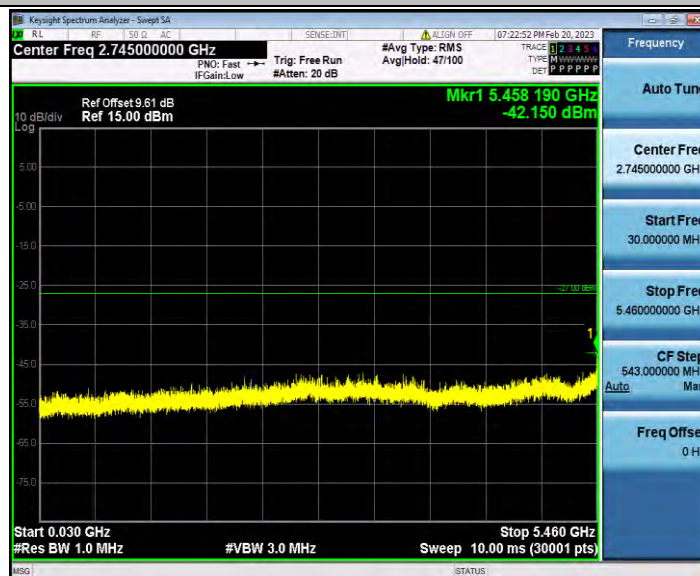
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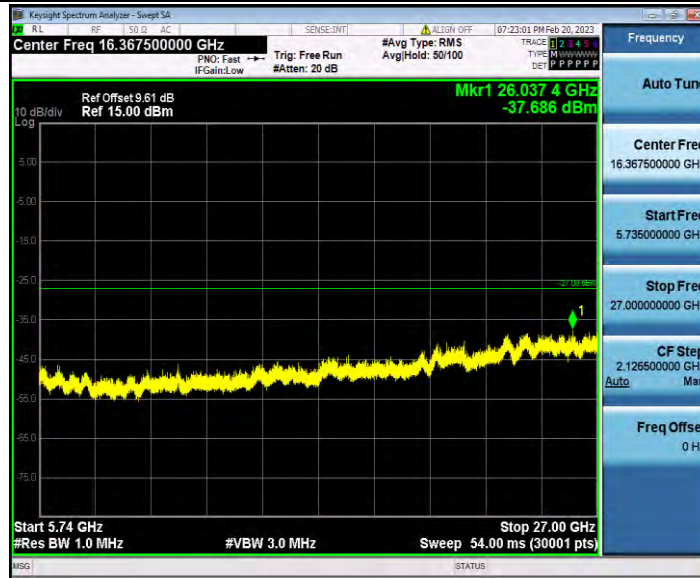
11AC20SISO\_Ant1\_5700\_5735~40000



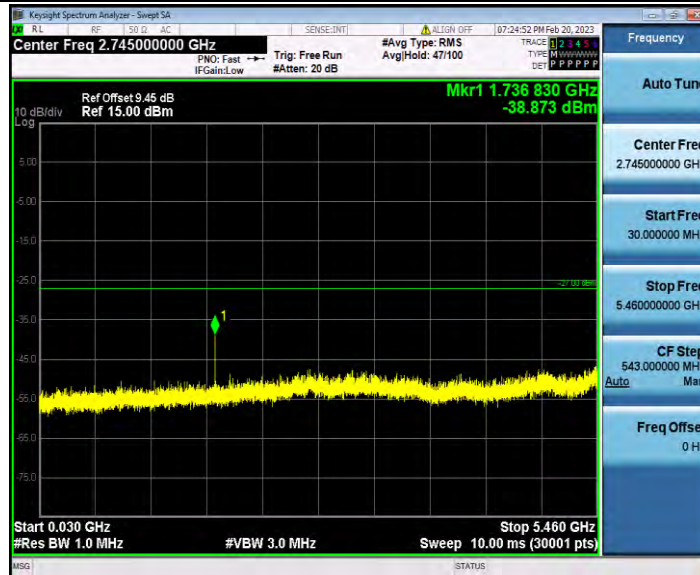
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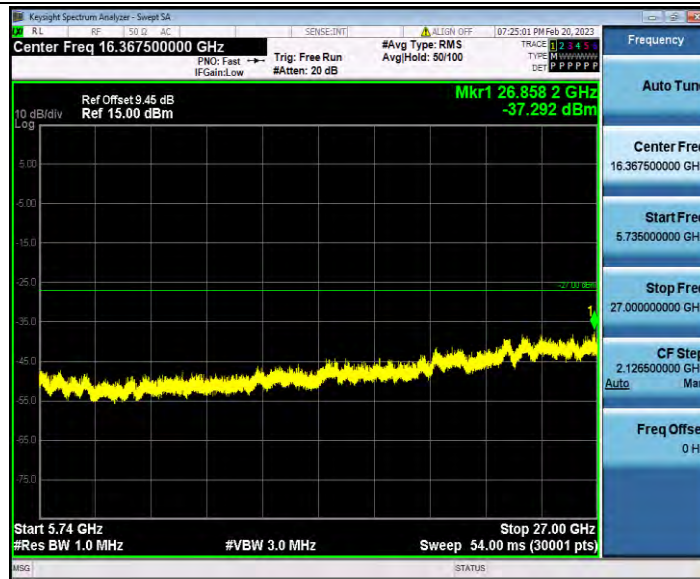
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# 11AC40SISO\_Ant1\_5590\_30~5460



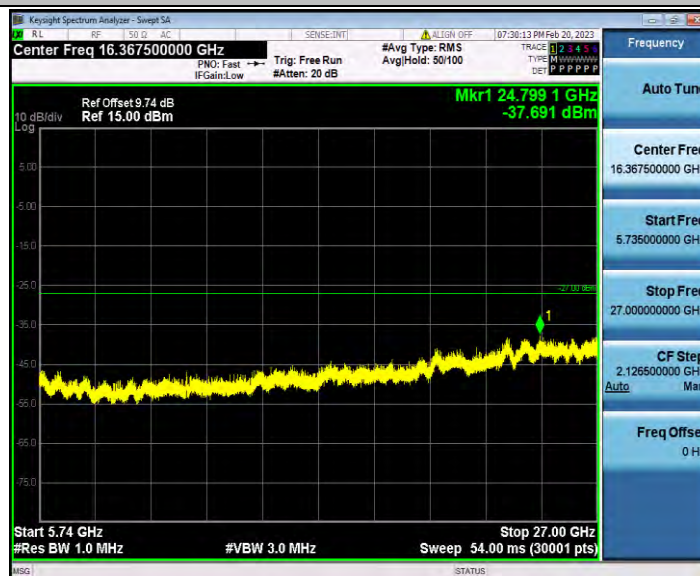
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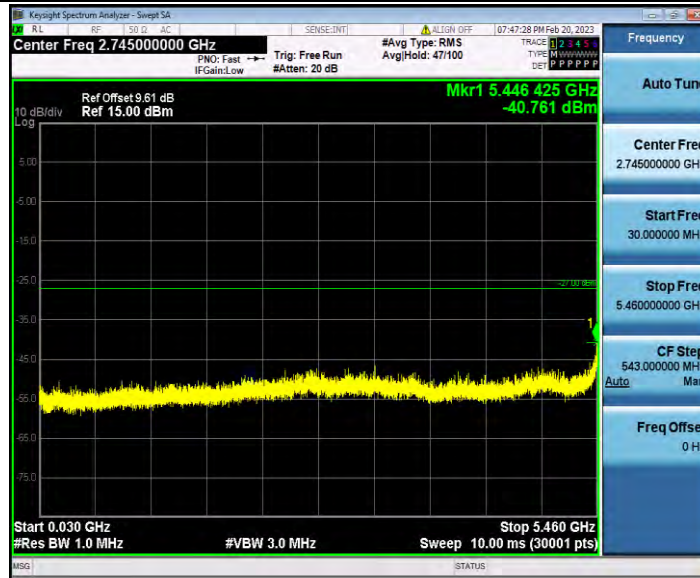
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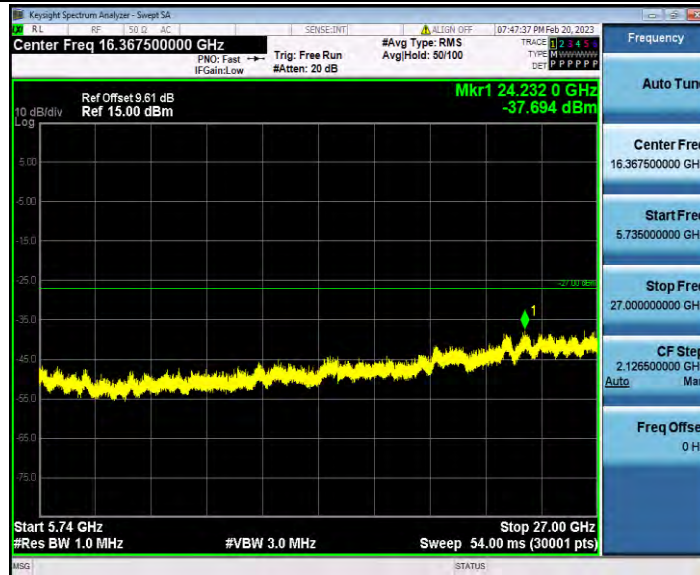
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# 11AC80SISO\_Ant1\_5530\_30~5460



# 11AC80SISO\_Ant1\_5530\_5735~40000



# 11AC80SISO\_Ant1\_5610\_30~5460



11AC80SISO\_Ant1\_5610\_5735~40000

