

|                                                  |                           |
|--------------------------------------------------|---------------------------|
| Case No. : GTS20220920004-2-13                   |                           |
| Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa, |                           |
| Test Date: 2022.12.19                            | 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           | 20.720               | 5489.880 | 5510.600 | ---        | ---     |
|            |         | 5600           | 33.720               | 5583.680 | 5617.400 | ---        | ---     |
|            |         | 5700           | 27.360               | 5685.200 | 5712.560 | ---        | ---     |
| 11N20SISO  | Ant1    | 5500           | 20.240               | 5490.040 | 5510.280 | ---        | ---     |
|            |         | 5600           | 31.320               | 5584.400 | 5615.720 | ---        | ---     |
|            |         | 5700           | 21.920               | 5688.640 | 5710.560 | ---        | ---     |
| 11N40SISO  | Ant1    | 5510           | 47.920               | 5489.680 | 5537.600 | ---        | ---     |
|            |         | 5590           | 72.640               | 5553.040 | 5625.680 | ---        | ---     |
|            |         | 5670           | 60.720               | 5637.040 | 5697.760 | ---        | ---     |
| 11AC20SISO | Ant1    | 5500           | 20.480               | 5489.800 | 5510.280 | ---        | ---     |
|            |         | 5600           | 33.000               | 5584.360 | 5617.360 | ---        | ---     |
|            |         | 5700           | 22.400               | 5687.800 | 5710.200 | ---        | ---     |
| 11AC40SISO | Ant1    | 5510           | 45.120               | 5489.920 | 5535.040 | ---        | ---     |
|            |         | 5590           | 73.680               | 5552.480 | 5626.160 | ---        | ---     |
|            |         | 5670           | 60.720               | 5637.040 | 5697.760 | ---        | ---     |
| 11AC80SISO | Ant1    | 5530           | 80.640               | 5489.680 | 5570.320 | ---        | ---     |
|            |         | 5610           | 144.160              | 5538.480 | 5682.640 | ---        | ---     |

## Test Graphs

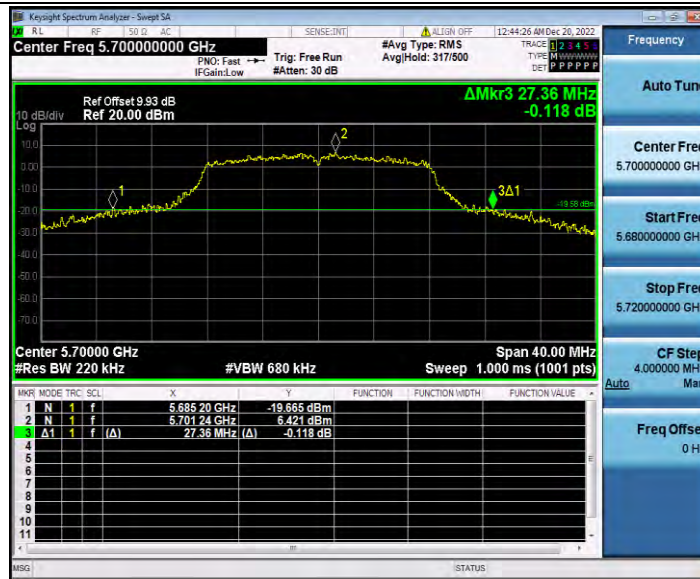
11A\_Ant1\_5500



11A\_Ant1\_5600



11A\_Ant1\_5700



11N20SISO\_Ant1\_5500



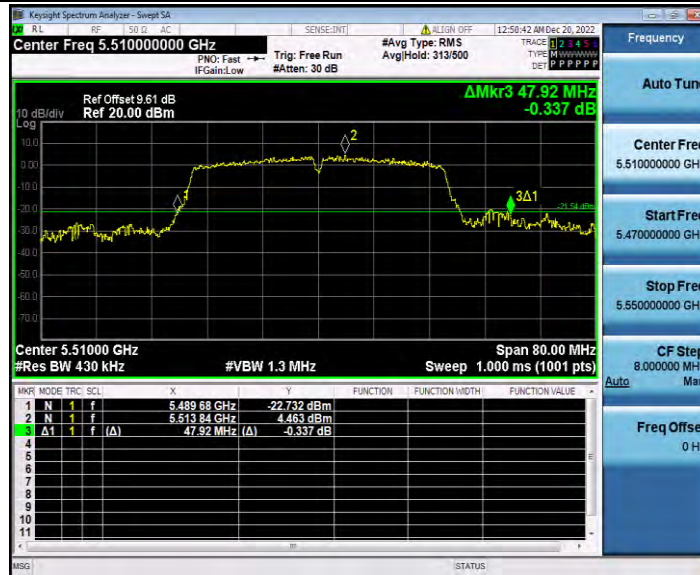
11N20SISO\_Ant1\_5600



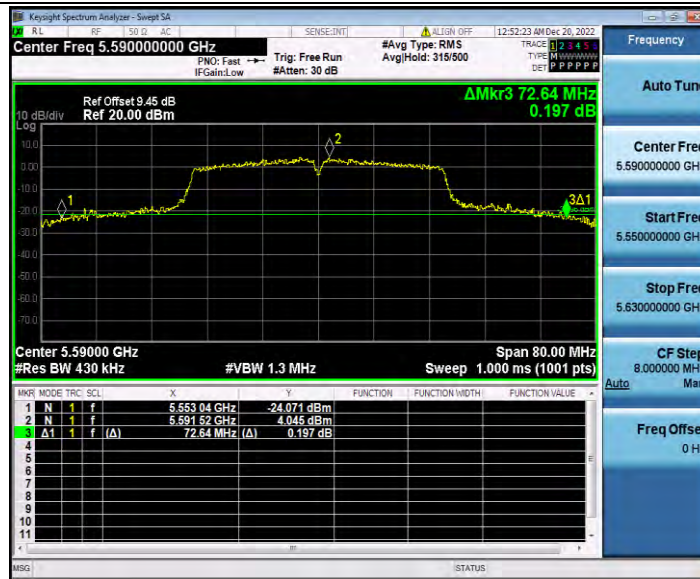
# 11N20SISO\_Ant1\_5700



# 11N40SISO\_Ant1\_5510



# 11N40SISO\_Ant1\_5590



11N40SISO\_Ant1\_5670



11AC20SISO\_Ant1\_5500



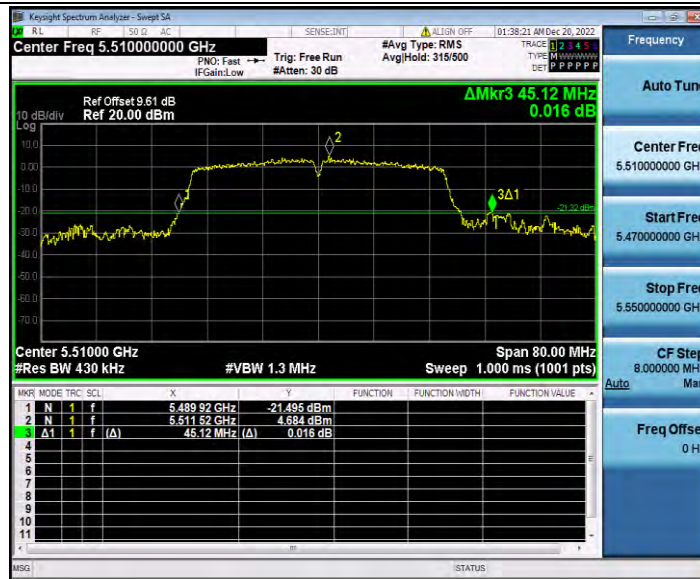
11AC20SISO\_Ant1\_5600



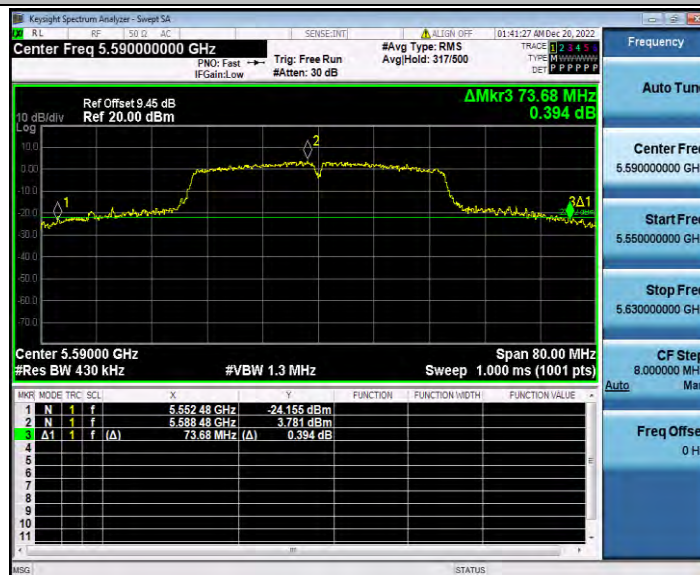
11AC20SISO\_Ant1\_5700



11AC40SISO\_Ant1\_5510



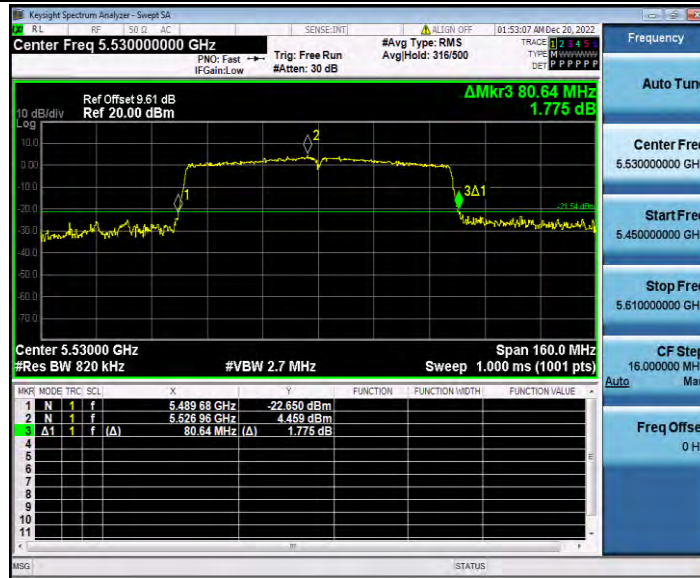
11AC40SISO\_Ant1\_5590



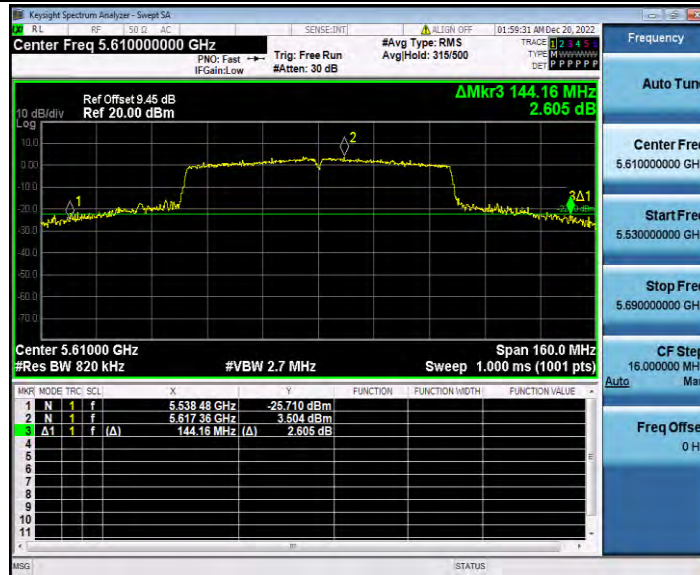
11AC40SISO\_Ant1\_5670



# 11AC80SISO\_Ant1\_5530



# 11AC80SISO\_Ant1\_5610



## Appendix F.2: Occupied channel bandwidth

### Test Result

| TestMode   | Antenna | Frequency[MHz] | OCB<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|--------------|----------|----------|------------|---------|
| 11A        | Ant1    | 5500           | 17.239       | 5491.429 | 5508.668 | ---        | ---     |
|            |         | 5600           | 19.148       | 5590.584 | 5609.732 | ---        | ---     |
|            |         | 5700           | 17.517       | 5691.113 | 5708.630 | ---        | ---     |
| 11N20SISO  | Ant1    | 5500           | 17.897       | 5491.051 | 5508.948 | ---        | ---     |
|            |         | 5600           | 18.839       | 5590.625 | 5609.464 | ---        | ---     |
|            |         | 5700           | 18.180       | 5690.859 | 5709.039 | ---        | ---     |
| 11N40SISO  | Ant1    | 5510           | 36.530       | 5491.830 | 5528.360 | ---        | ---     |
|            |         | 5590           | 37.687       | 5571.291 | 5608.978 | ---        | ---     |
|            |         | 5670           | 36.777       | 5651.563 | 5688.340 | ---        | ---     |
| 11AC20SISO | Ant1    | 5500           | 17.942       | 5491.042 | 5508.984 | ---        | ---     |
|            |         | 5600           | 18.812       | 5590.636 | 5609.448 | ---        | ---     |
|            |         | 5700           | 18.097       | 5690.907 | 5709.004 | ---        | ---     |
| 11AC40SISO | Ant1    | 5510           | 36.535       | 5491.822 | 5528.357 | ---        | ---     |
|            |         | 5590           | 37.781       | 5571.225 | 5609.006 | ---        | ---     |
|            |         | 5670           | 36.763       | 5651.498 | 5688.261 | ---        | ---     |
| 11AC80SISO | Ant1    | 5530           | 75.522       | 5492.261 | 5567.783 | ---        | ---     |
|            |         | 5610           | 76.527       | 5571.744 | 5648.271 | ---        | ---     |

## Test Graphs

11A\_Ant1\_5500



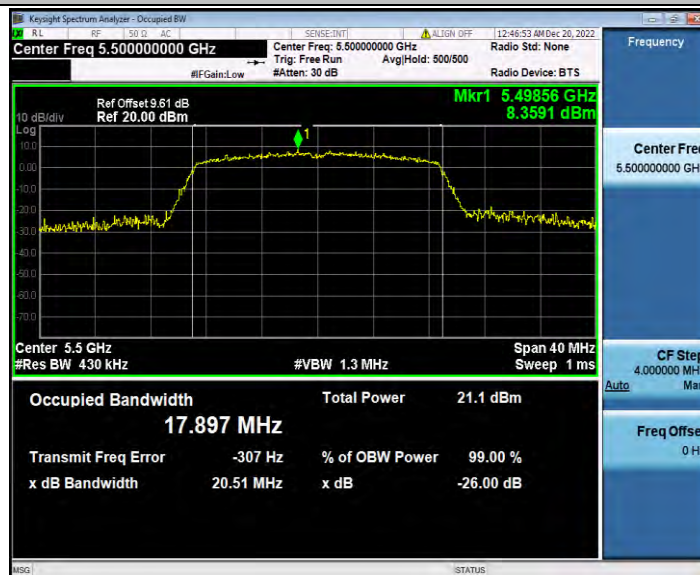
11A\_Ant1\_5600



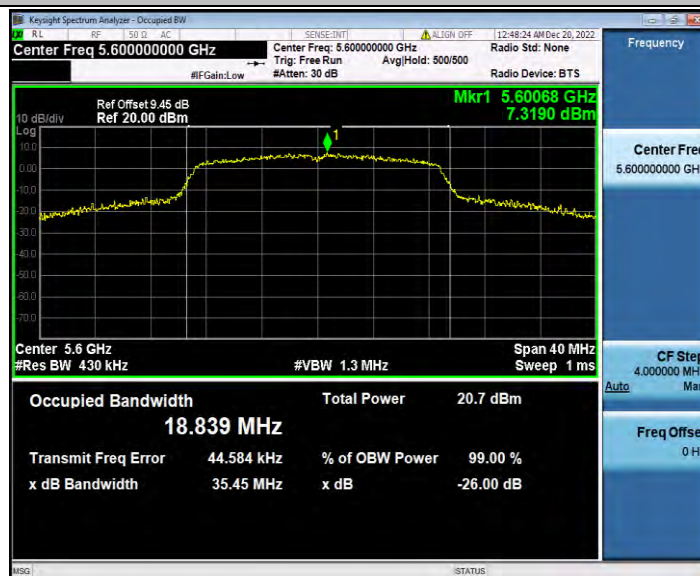
11A\_Ant1\_5700



11N20SISO\_Ant1\_5500



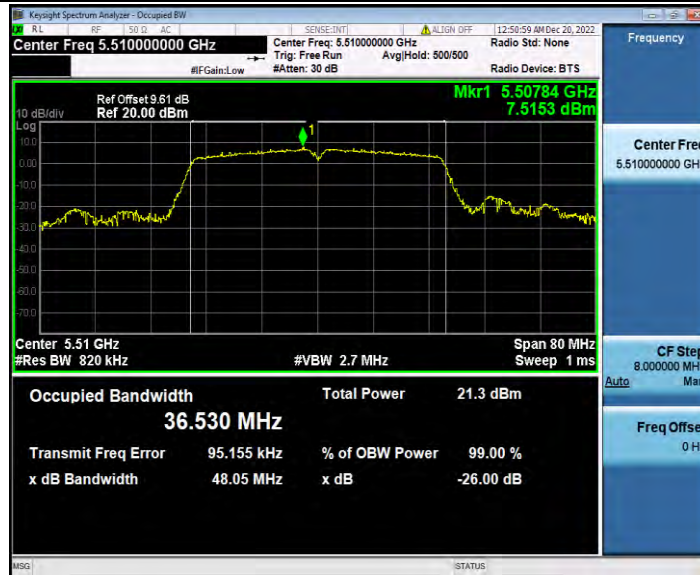
11N20SISO\_Ant1\_5600



# 11N20SISO\_Ant1\_5700



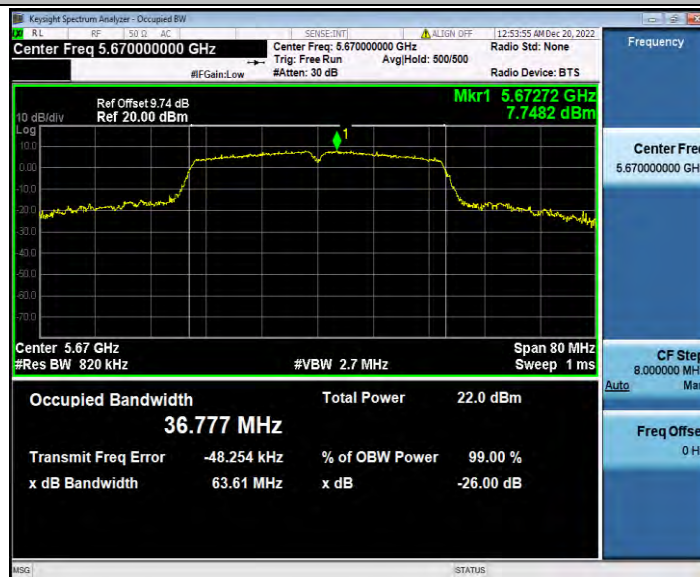
# 11N40SISO\_Ant1\_5510



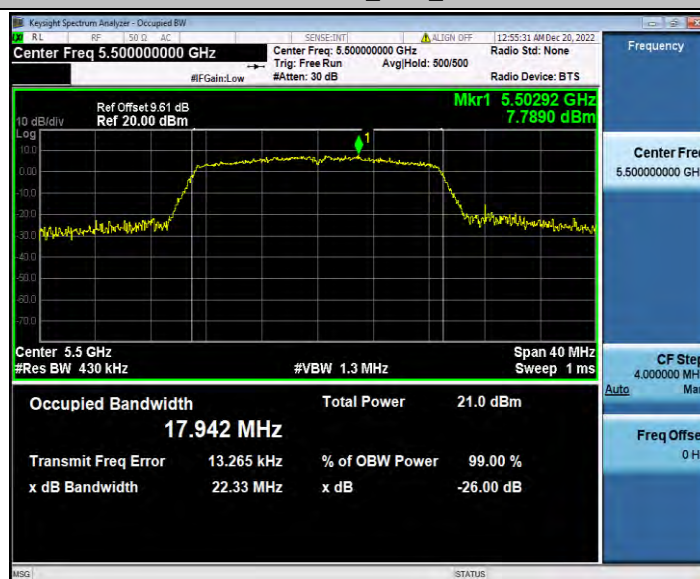
# 11N40SISO\_Ant1\_5590



11N40SISO\_Ant1\_5670



11AC20SISO\_Ant1\_5500



11AC20SISO\_Ant1\_5600



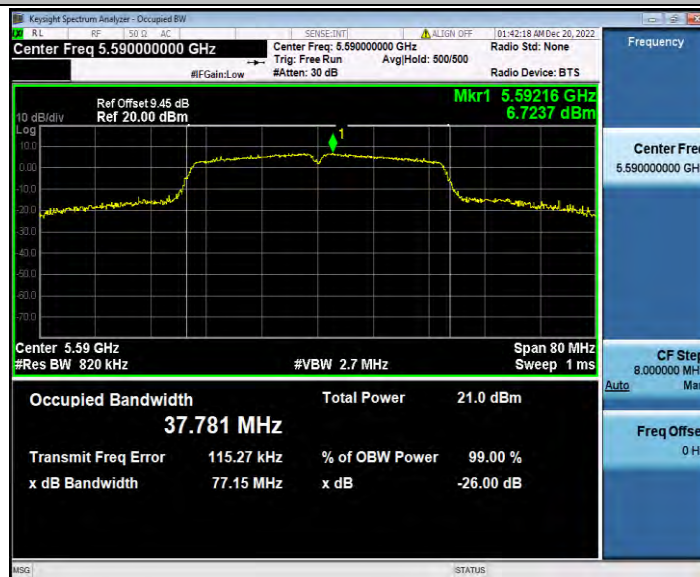
11AC20SISO\_Ant1\_5700



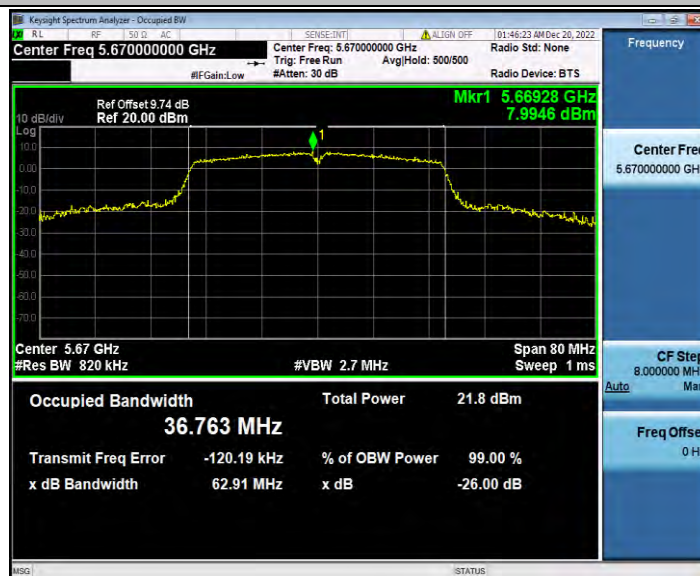
11AC40SISO\_Ant1\_5510



11AC40SISO\_Ant1\_5590



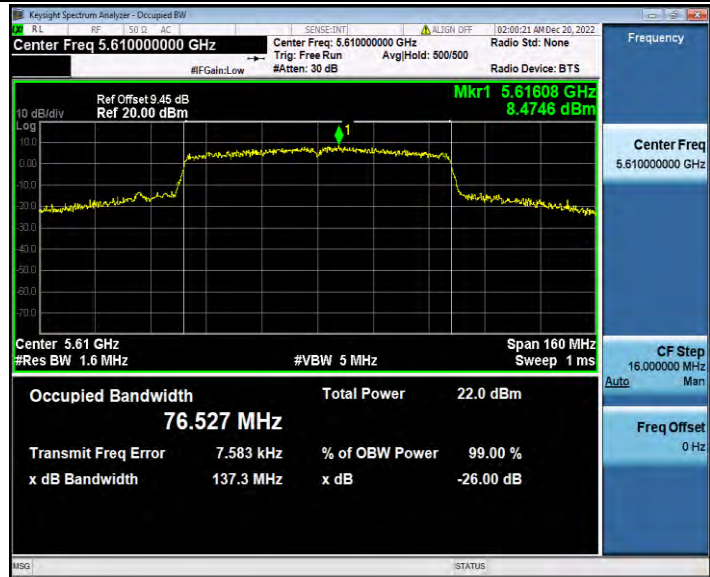
11AC40SISO\_Ant1\_5670



11AC80SISO\_Ant1\_5530



11AC80SISO\_Ant1\_5610



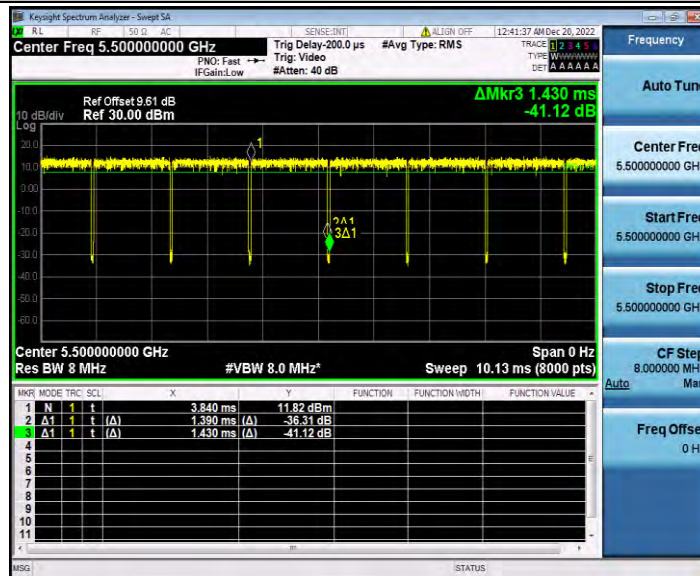
## Appendix F.3: Duty Cycle

### Test Result

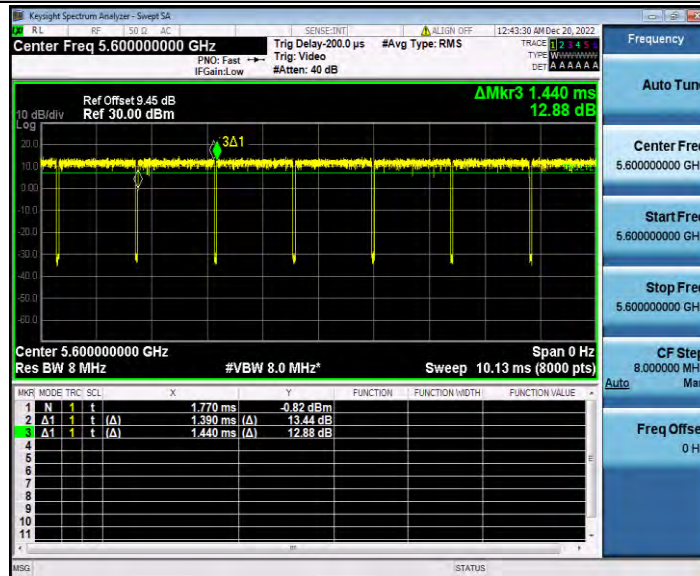
| TestMode   | Antenna | Frequency[MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|------------|---------|----------------|----------------------------|--------------------------|----------------|
| 11A        | Ant1    | 5500           | 1.39                       | 1.43                     | 97.20          |
|            |         | 5600           | 1.39                       | 1.44                     | 96.53          |
|            |         | 5700           | 1.39                       | 1.43                     | 97.20          |
| 11N20SISO  | Ant1    | 5500           | 0.68                       | 0.73                     | 93.15          |
|            |         | 5600           | 0.68                       | 0.73                     | 93.15          |
|            |         | 5700           | 0.67                       | 0.72                     | 93.06          |
| 11N40SISO  | Ant1    | 5510           | 0.35                       | 0.40                     | 87.50          |
|            |         | 5590           | 0.36                       | 0.40                     | 90.00          |
|            |         | 5670           | 0.35                       | 0.40                     | 87.50          |
| 11AC20SISO | Ant1    | 5500           | 0.68                       | 0.72                     | 94.44          |
|            |         | 5600           | 0.68                       | 0.73                     | 93.15          |
|            |         | 5700           | 0.68                       | 0.73                     | 93.15          |
| 11AC40SISO | Ant1    | 5510           | 0.35                       | 0.40                     | 87.50          |
|            |         | 5590           | 0.35                       | 0.40                     | 87.50          |
|            |         | 5670           | 0.36                       | 0.40                     | 90.00          |
| 11AC80SISO | Ant1    | 5530           | 0.19                       | 0.23                     | 82.61          |
|            |         | 5610           | 0.19                       | 0.23                     | 82.61          |

## Test Graphs

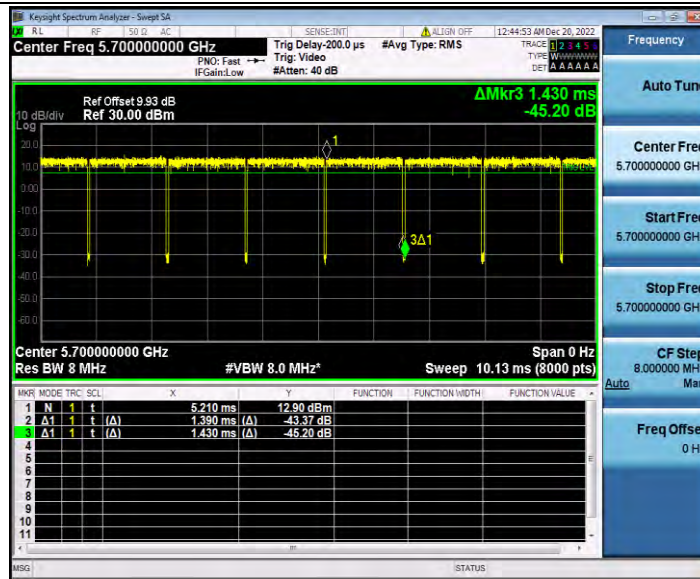
11A\_Ant1\_5500



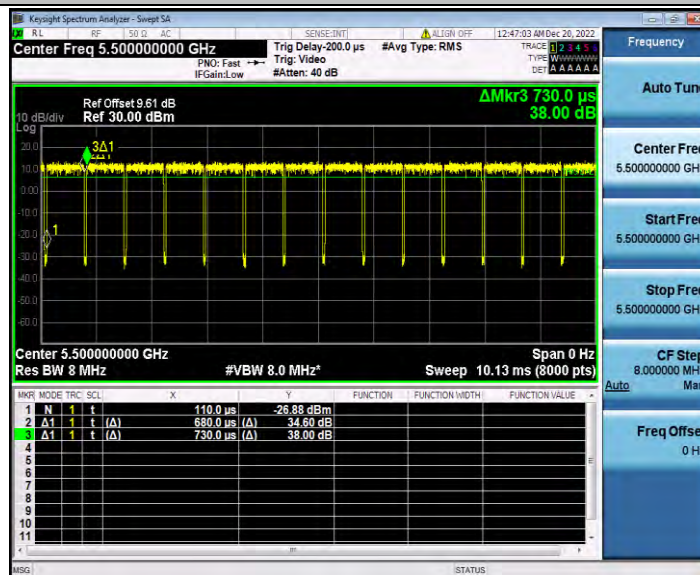
11A\_Ant1\_5600



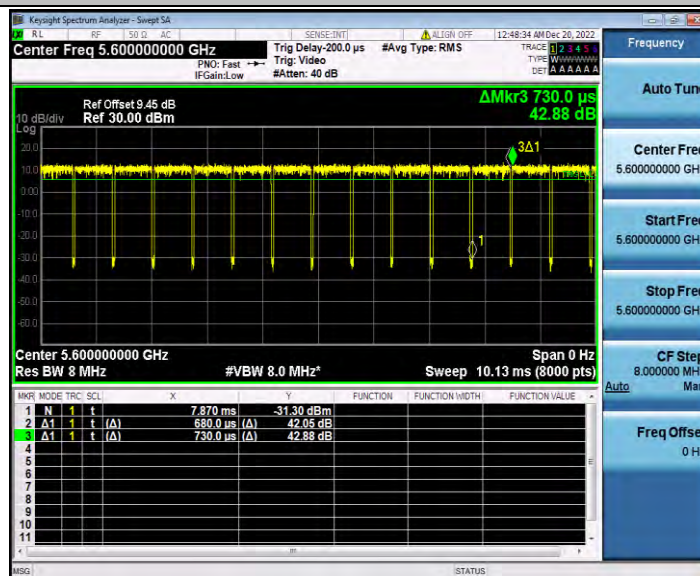
11A\_Ant1\_5700



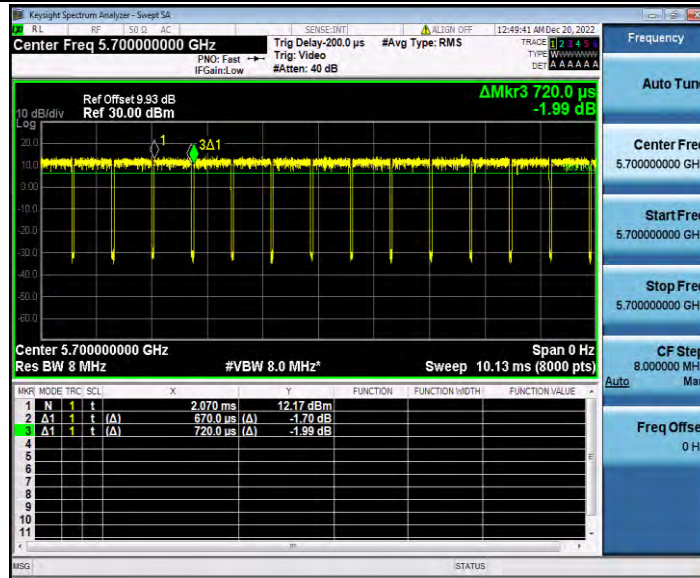
11N20SISO\_Ant1\_5500



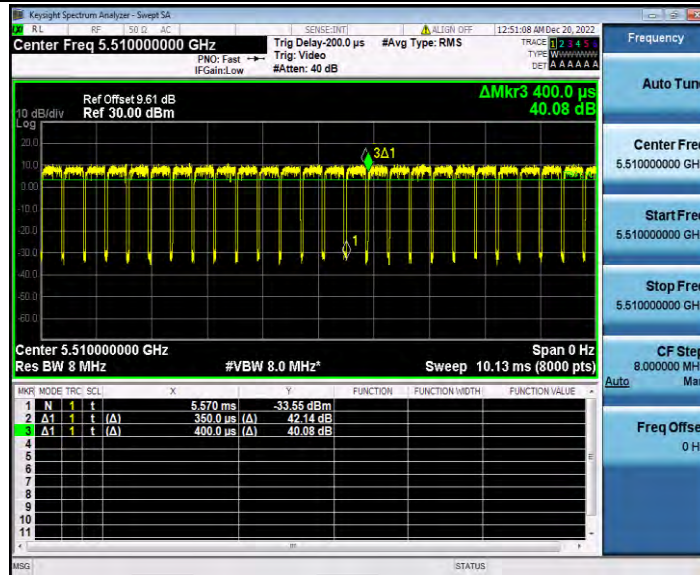
11N20SISO\_Ant1\_5600



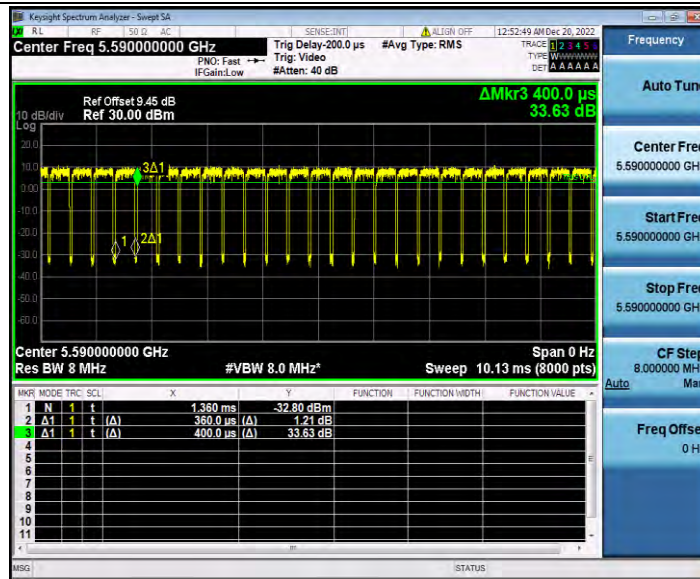
# 11N20SISO\_Ant1\_5700



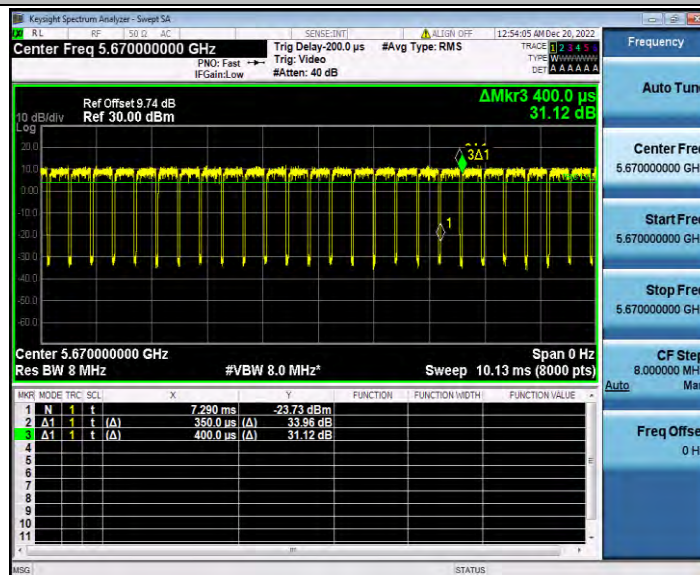
# 11N40SISO\_Ant1\_5510



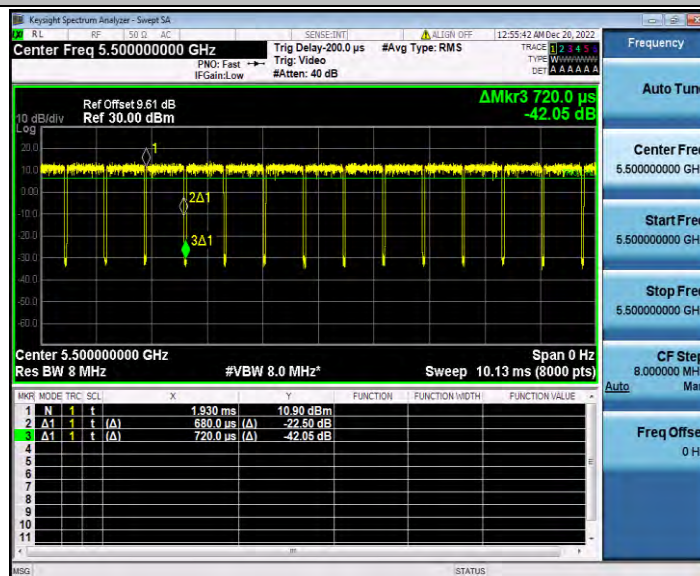
# 11N40SISO\_Ant1\_5590



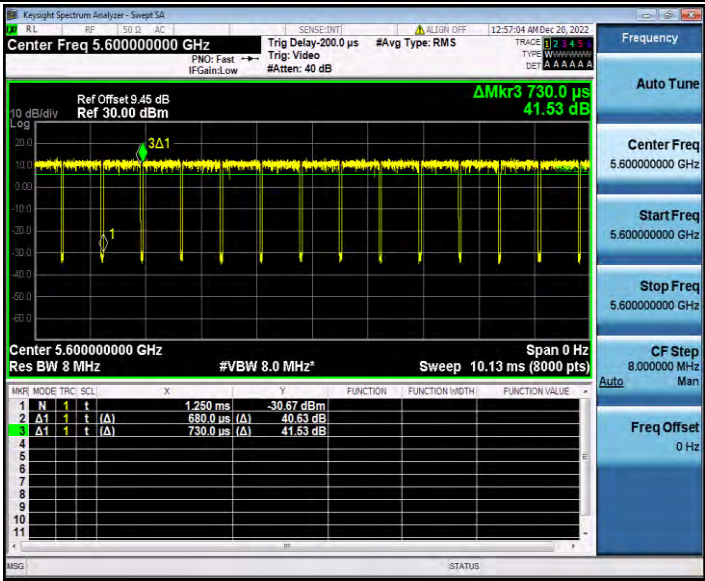
11N40SISO\_Ant1\_5670



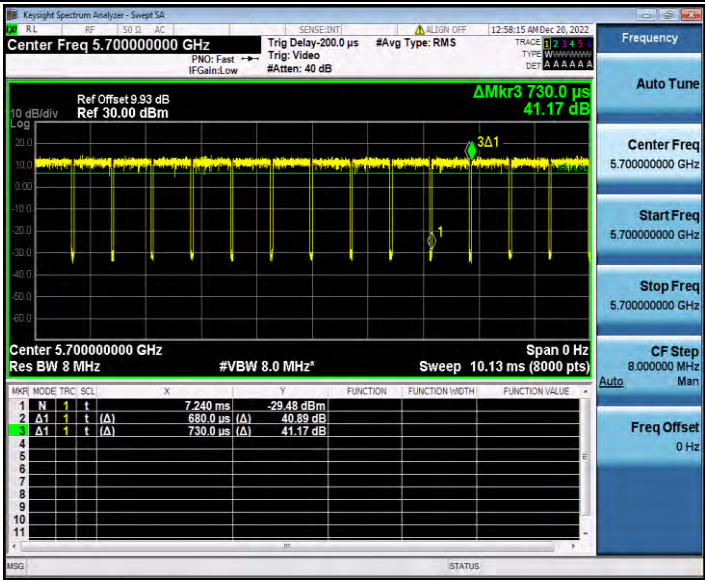
11AC20SISO\_Ant1\_5500



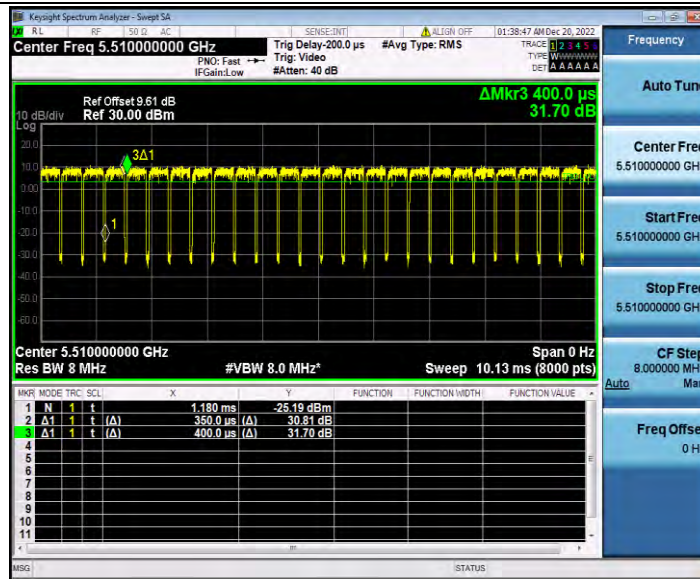
11AC20SISO\_Ant1\_5600



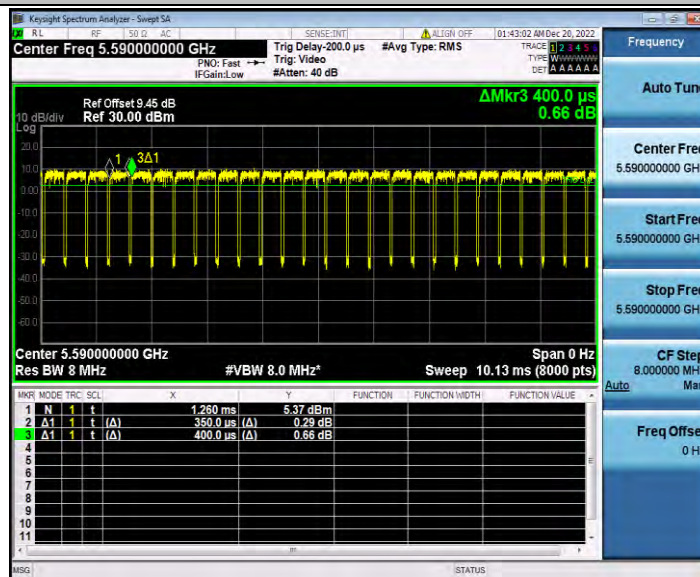
11AC20SISO\_Ant1\_5700



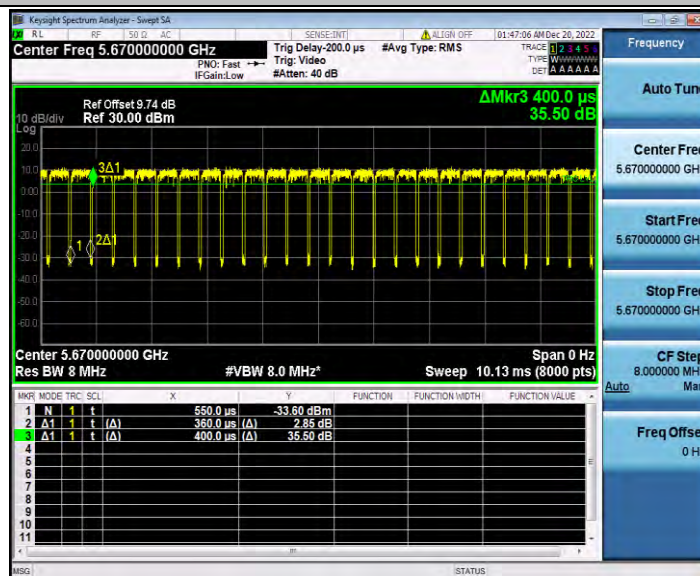
11AC40SISO\_Ant1\_5510



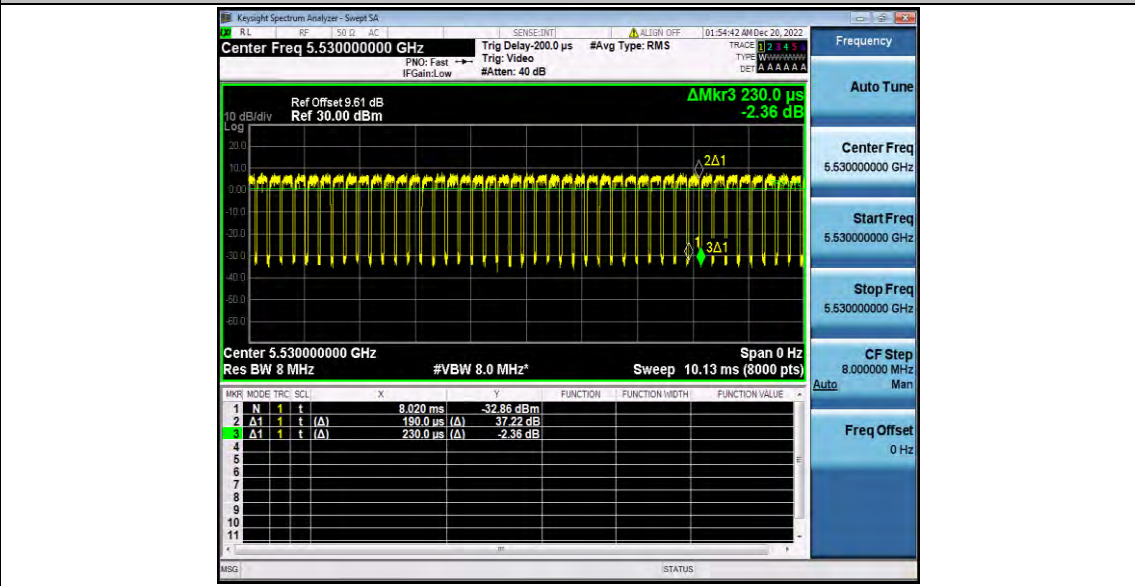
11AC40SISO\_Ant1\_5590



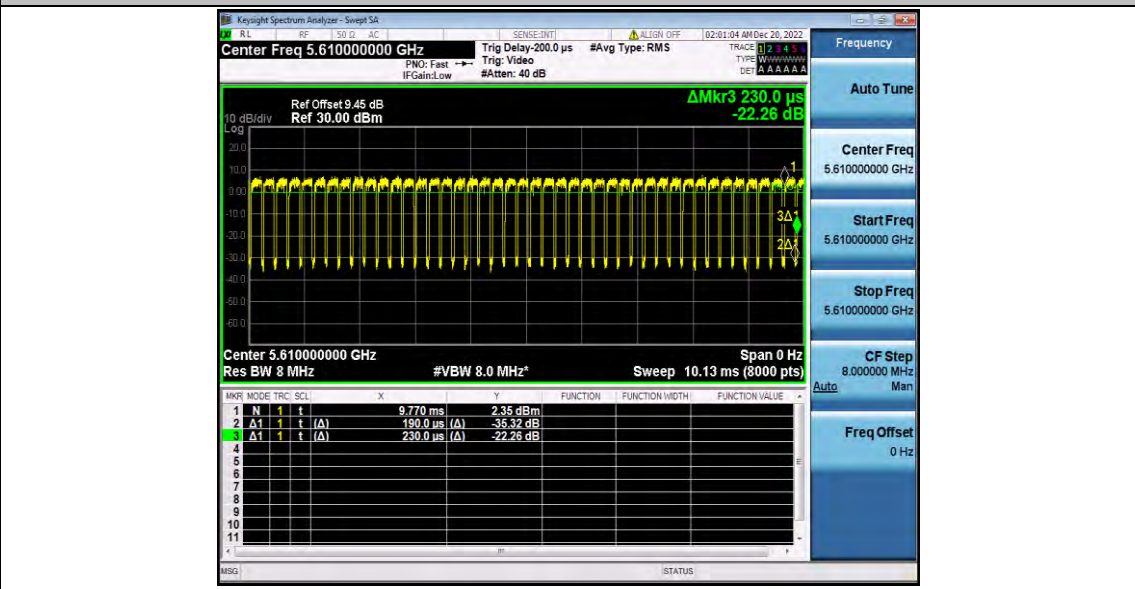
11AC40SISO\_Ant1\_5670



## 11AC80ISO\_Ant1\_5530



## 11AC80SISO\_Ant1\_5610



## Appendix F.4: Maximum conducted output power

### Test Result Channel Power

| Test Mode  | Antenna | Frequency [MHz] | Channel Power [dBm] | Duty Cycle [%] | DC Factor [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|------------|---------|-----------------|---------------------|----------------|-----------------|--------------|-------------|---------|
| 11A        | Ant1    | 5500            | 14.99               | 97.20          | 0.12            | 15.11        | ≤23.98      | PASS    |
|            |         | 5600            | 14.66               | 96.53          | 0.15            | 14.81        | ≤23.98      | PASS    |
|            |         | 5700            | 15.22               | 97.20          | 0.12            | 15.34        | ≤23.98      | PASS    |
| 11N20SISO  | Ant1    | 5500            | 13.82               | 93.15          | 0.31            | 14.13        | ≤23.98      | PASS    |
|            |         | 5600            | 13.49               | 93.15          | 0.31            | 13.80        | ≤23.98      | PASS    |
|            |         | 5700            | 14.12               | 93.06          | 0.31            | 14.43        | ≤23.98      | PASS    |
| 11N40SISO  | Ant1    | 5510            | 13.26               | 87.50          | 0.58            | 13.84        | ≤23.98      | PASS    |
|            |         | 5590            | 13.18               | 90.00          | 0.46            | 13.64        | ≤23.98      | PASS    |
|            |         | 5670            | 14.13               | 87.50          | 0.58            | 14.71        | ≤23.98      | PASS    |
| 11AC20SISO | Ant1    | 5500            | 13.88               | 94.44          | 0.25            | 14.13        | ≤23.98      | PASS    |
|            |         | 5600            | 13.55               | 93.15          | 0.31            | 13.86        | ≤23.98      | PASS    |
|            |         | 5700            | 14.06               | 93.15          | 0.31            | 14.37        | ≤23.98      | PASS    |
| 11AC40SISO | Ant1    | 5510            | 13.26               | 87.50          | 0.58            | 13.84        | ≤23.98      | PASS    |
|            |         | 5590            | 12.92               | 87.50          | 0.58            | 13.50        | ≤23.98      | PASS    |
|            |         | 5670            | 13.90               | 90.00          | 0.46            | 14.36        | ≤23.98      | PASS    |
| 11AC80SISO | Ant1    | 5530            | 12.80               | 82.61          | 0.83            | 13.63        | ≤23.98      | PASS    |
|            |         | 5610            | 12.29               | 82.61          | 0.83            | 13.12        | ≤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           | 4.31             | ≤11.00         | PASS    |
|            |         | 5600           | 4.06             | ≤11.00         | PASS    |
|            |         | 5700           | 4.61             | ≤11.00         | PASS    |
| 11N20SISO  | Ant1    | 5500           | 3.15             | ≤11.00         | PASS    |
|            |         | 5600           | 2.7              | ≤11.00         | PASS    |
|            |         | 5700           | 3.37             | ≤11.00         | PASS    |
| 11N40SISO  | Ant1    | 5510           | 0.23             | ≤11.00         | PASS    |
|            |         | 5590           | 0.09             | ≤11.00         | PASS    |
|            |         | 5670           | 1.08             | ≤11.00         | PASS    |
| 11AC20SISO | Ant1    | 5500           | 3.14             | ≤11.00         | PASS    |
|            |         | 5600           | 2.76             | ≤11.00         | PASS    |
|            |         | 5700           | 3.37             | ≤11.00         | PASS    |
| 11AC40SISO | Ant1    | 5510           | 0.29             | ≤11.00         | PASS    |
|            |         | 5590           | -0.08            | ≤11.00         | PASS    |
|            |         | 5670           | 0.8              | ≤11.00         | PASS    |
| 11AC80SISO | Ant1    | 5530           | -2.65            | ≤11.00         | PASS    |
|            |         | 5610           | -3.05            | ≤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



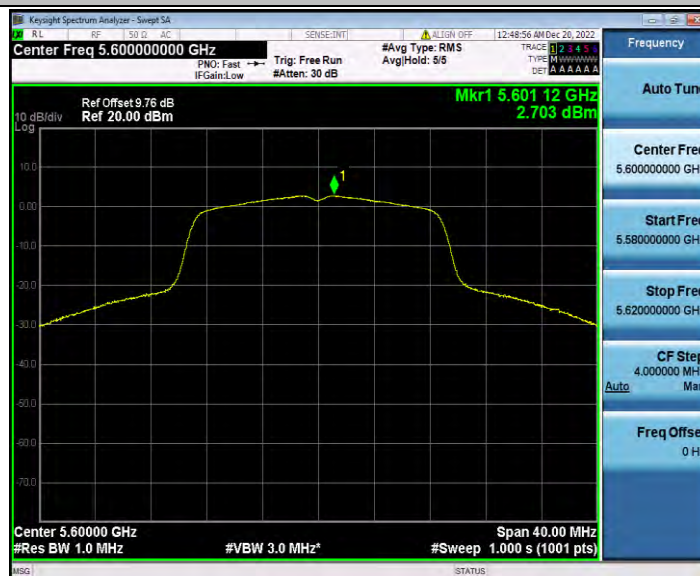
11A\_Ant1\_5700



11N20SISO\_Ant1\_5500



11N20SISO\_Ant1\_5600



11N20SISO\_Ant1\_5700



11N40SISO\_Ant1\_5510



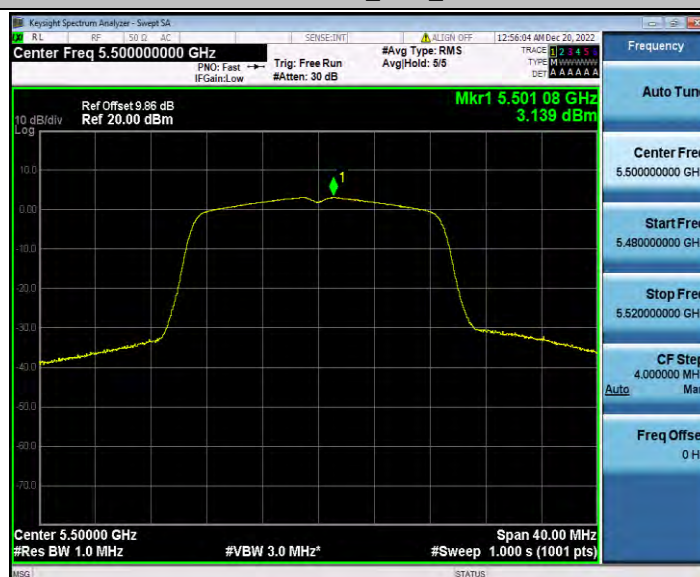
11N40SISO\_Ant1\_5590



11N40SISO\_Ant1\_5670



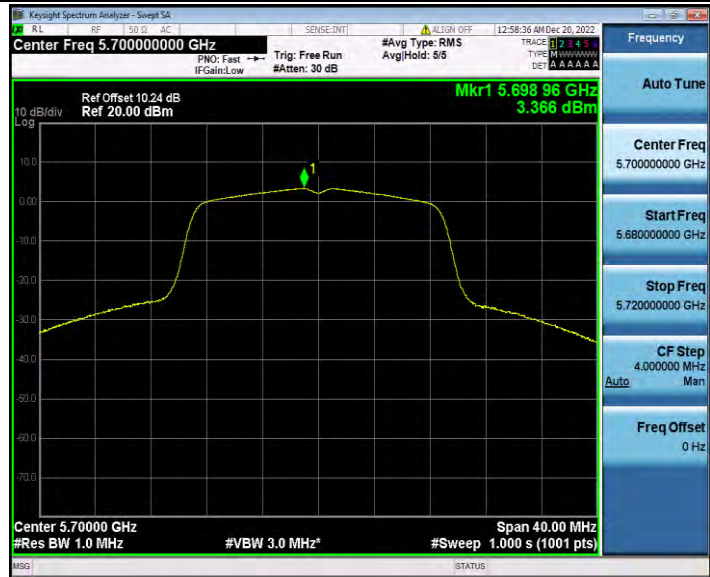
11AC20SISO\_Ant1\_5500



11AC20SISO\_Ant1\_5600



11AC20SISO\_Ant1\_5700



11AC40SISO\_Ant1\_5510



11AC40SISO\_Ant1\_5590



11AC40SISO\_Ant1\_5670



11AC80SISO\_Ant1\_5530



11AC80SISO\_Ant1\_5610



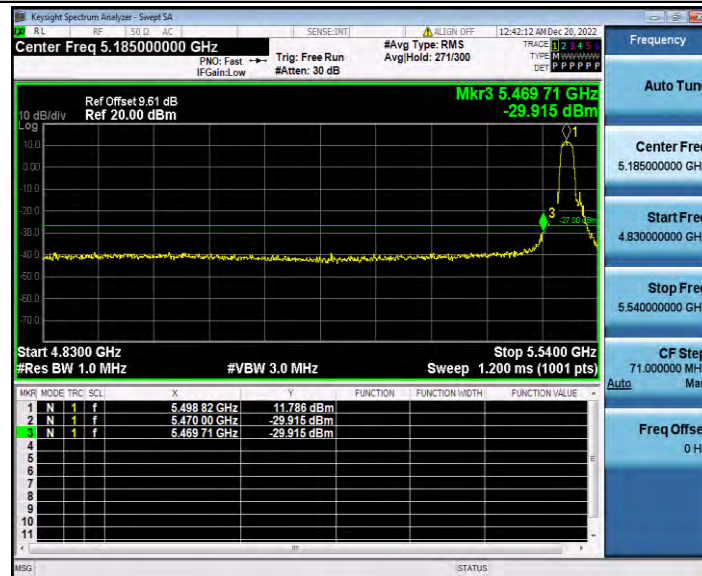
## Appendix F.6: Band edge measurements

### Test Result B3

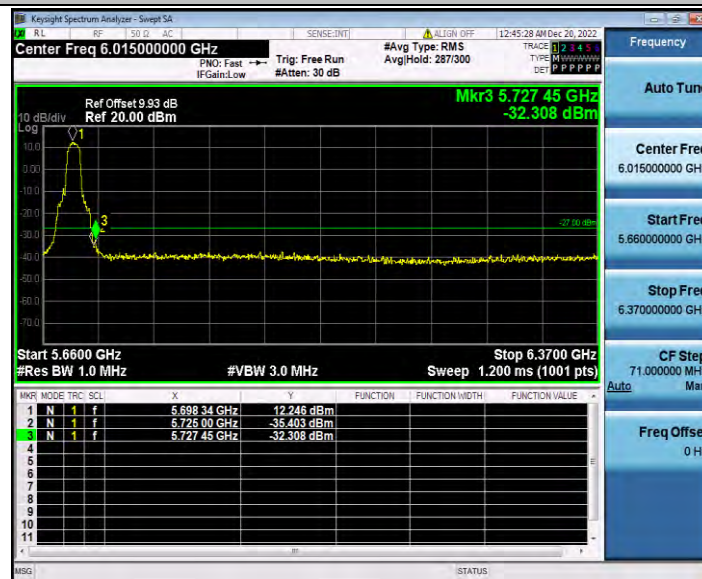
| TestMode   | Antenna | ChName | Frequency[MHz] | Result[dBm] | Limit[dBm] | Verdict |
|------------|---------|--------|----------------|-------------|------------|---------|
| 11A        | Ant1    | Low    | 5500           | -29.92      | ≤-27       | PASS    |
|            |         | High   | 5700           | -32.31      | ≤-27       | PASS    |
| 11N20SISO  | Ant1    | Low    | 5500           | -33.1       | ≤-27       | PASS    |
|            |         | High   | 5700           | -35.91      | ≤-27       | PASS    |
| 11N40SISO  | Ant1    | Low    | 5510           | -27.5       | ≤-27       | PASS    |
|            |         | High   | 5670           | -36.5       | ≤-27       | PASS    |
| 11AC20SISO | Ant1    | Low    | 5500           | -32.31      | ≤-27       | PASS    |
|            |         | High   | 5700           | -34.03      | ≤-27       | PASS    |
| 11AC40SISO | Ant1    | Low    | 5510           | -27.7       | ≤-27       | PASS    |
|            |         | High   | 5670           | -36.47      | ≤-27       | PASS    |
| 11AC80SISO | Ant1    | Low    | 5530           | -29.17      | ≤-27       | PASS    |
|            |         | High   | 5610           | -37.59      | ≤-27       | PASS    |

## Test Graphs B3

11A\_Ant1\_Low\_5500



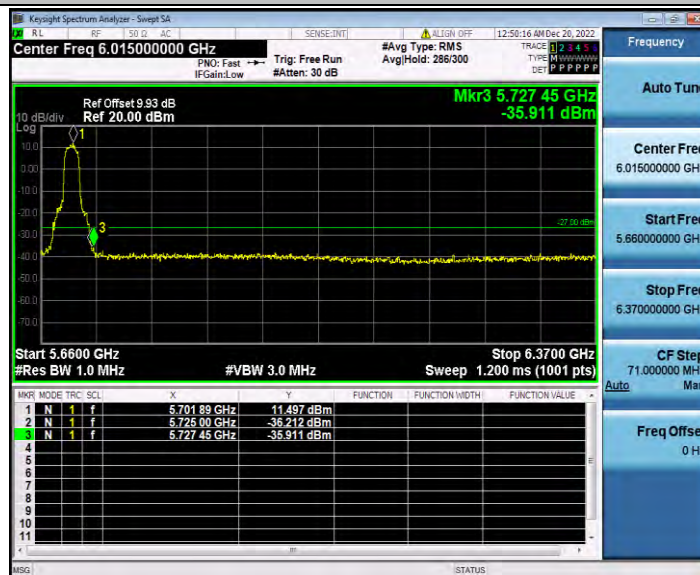
11A\_Ant1\_High\_5700



11N20SISO\_Ant1\_Low\_5500



11N20SISO\_Ant1\_High\_5700



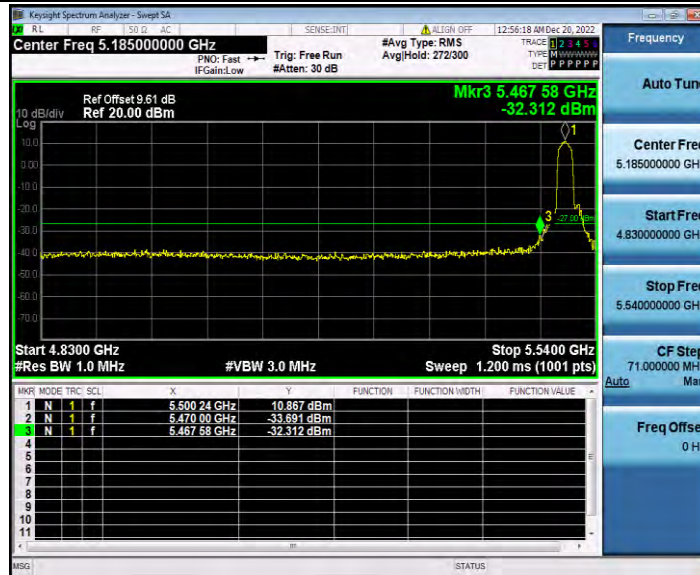
11N40SISO\_Ant1\_Low\_5510



# 11N40SISO\_Ant1\_High\_5670



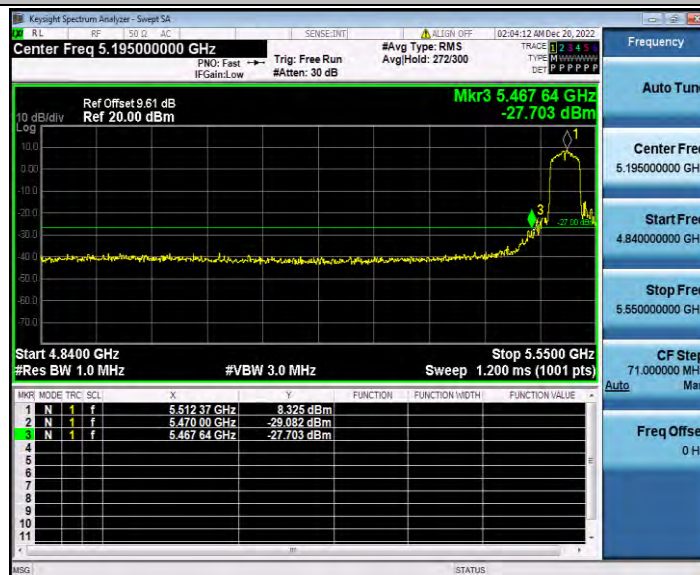
# 11AC20SISO\_Ant1\_Low\_5500



# 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

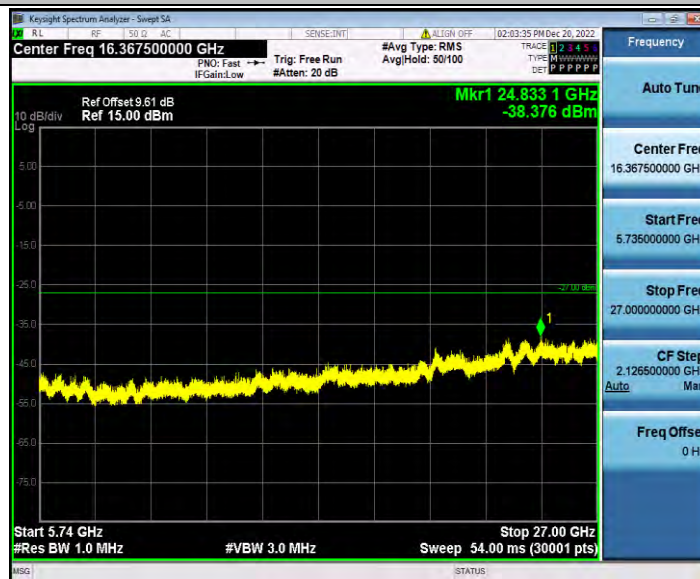
| TestMode   | Antenna | Frequency[MHz] | FreqRange [MHz] | Max. Fre [MHz] | Max. Level [dBm] | Limit [dBm] | Verdict |
|------------|---------|----------------|-----------------|----------------|------------------|-------------|---------|
| 11A        | Ant1    | 5500           | 30~5460         | 5457.65        | -41.64           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 24833.1        | -38.38           | ≤-27        | PASS    |
|            |         | 5600           | 30~5460         | 5435.57        | -46.95           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 24209.32       | -37.55           | ≤-27        | PASS    |
|            |         | 5700           | 30~5460         | 5457.1         | -45.74           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 25657.47       | -38.36           | ≤-27        | PASS    |
| 11N20SISO  | Ant1    | 5500           | 30~5460         | 5456.2         | -42.27           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 24806.87       | -37.89           | ≤-27        | PASS    |
|            |         | 5600           | 30~5460         | 2441.46        | -40.53           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 24293.67       | -37.96           | ≤-27        | PASS    |
|            |         | 5700           | 30~5460         | 4899.62        | -46.77           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 24212.87       | -38.01           | ≤-27        | PASS    |
| 11N40SISO  | Ant1    | 5510           | 30~5460         | 5458.19        | -34.51           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 23510.41       | -38.08           | ≤-27        | PASS    |
|            |         | 5590           | 30~5460         | 2403.09        | -40.78           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 26057.96       | -38.53           | ≤-27        | PASS    |
|            |         | 5670           | 30~5460         | 3160.76        | -46.67           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 24280.21       | -37.62           | ≤-27        | PASS    |
| 11AC20SISO | Ant1    | 5500           | 30~5460         | 5454.93        | -43.21           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 25149.95       | -38.37           | ≤-27        | PASS    |
|            |         | 5600           | 30~5460         | 2695.95        | -47              | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 24344.71       | -38.52           | ≤-27        | PASS    |
|            |         | 5700           | 30~5460         | 3138.13        | -46.42           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 24263.9        | -38.09           | ≤-27        | PASS    |
| 11AC40SISO | Ant1    | 5510           | 30~5460         | 5457.65        | -29.76           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 24204.36       | -38.7            | ≤-27        | PASS    |
|            |         | 5590           | 30~5460         | 5438.64        | -46.35           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 26789.48       | -37.34           | ≤-27        | PASS    |
|            |         | 5670           | 30~5460         | 2640.2         | -45.79           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 26668.97       | -37.78           | ≤-27        | PASS    |
| 11AC80SISO | Ant1    | 5530           | 30~5460         | 5456.02        | -33.83           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 24129.93       | -37.68           | ≤-27        | PASS    |
|            |         | 5610           | 30~5460         | 5453.48        | -45.96           | ≤-27        | PASS    |
|            |         |                | 5735~40000      | 26048.75       | -38.47           | ≤-27        | PASS    |

## Test Graphs

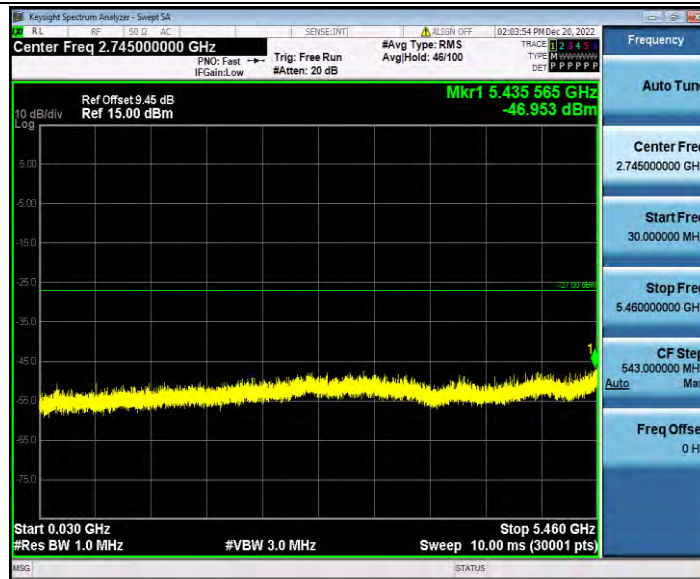
11A\_Ant1\_5500\_30~5460



11A\_Ant1\_5500\_5735~40000



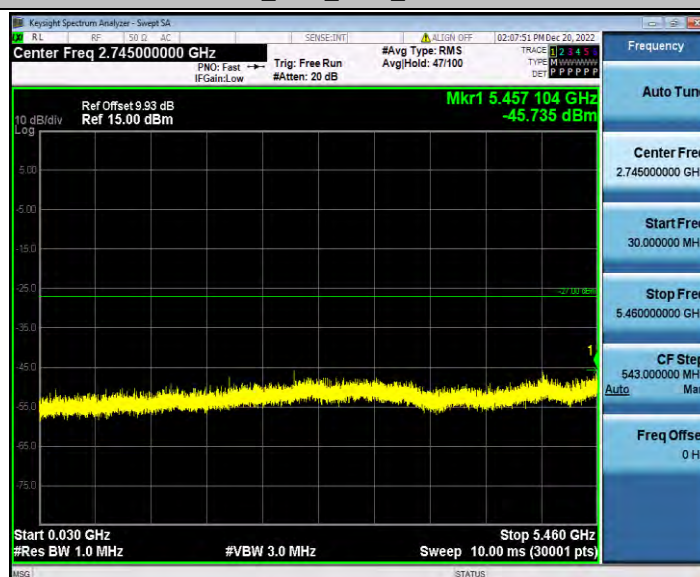
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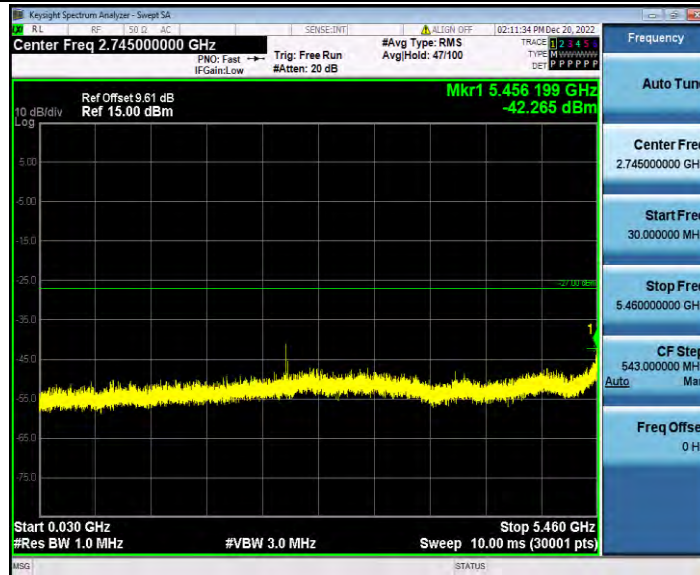
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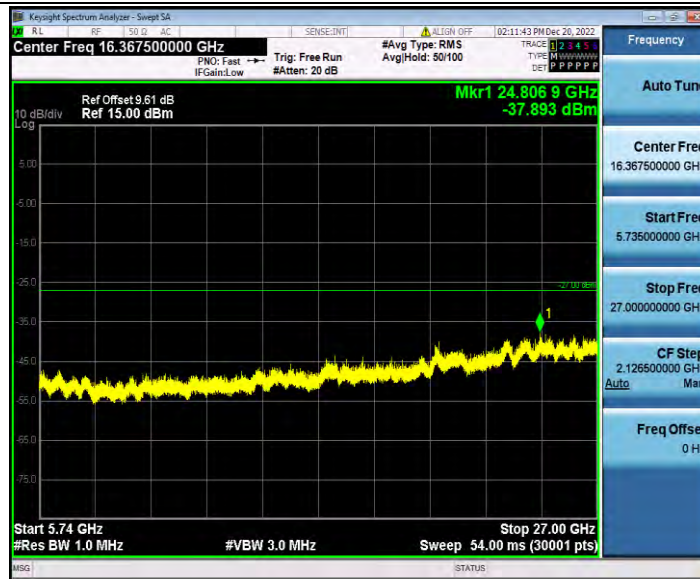
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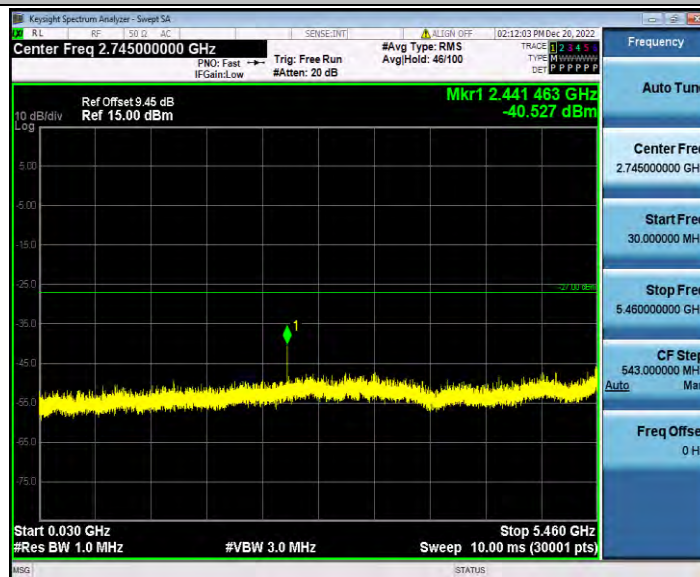
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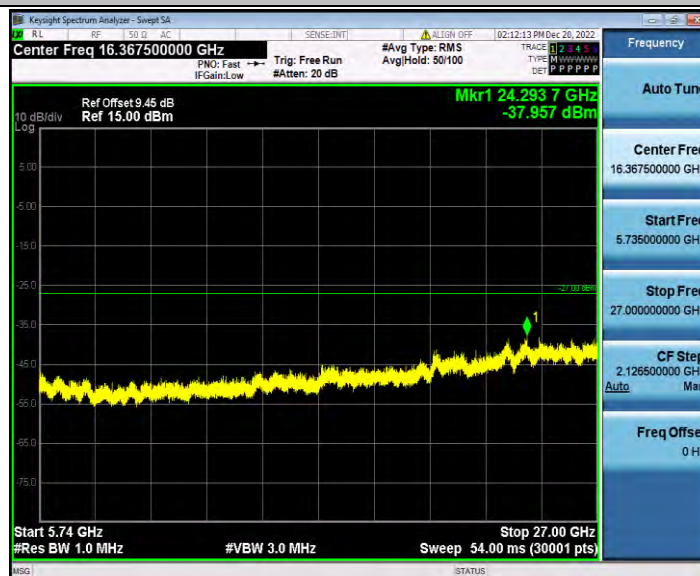
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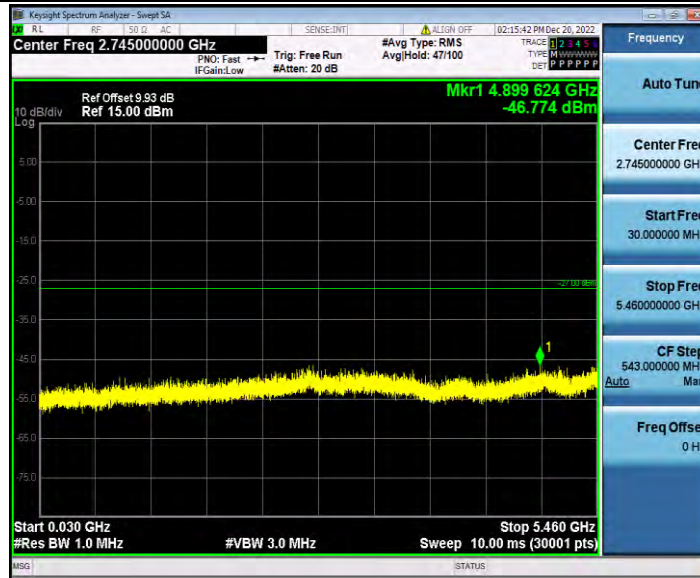
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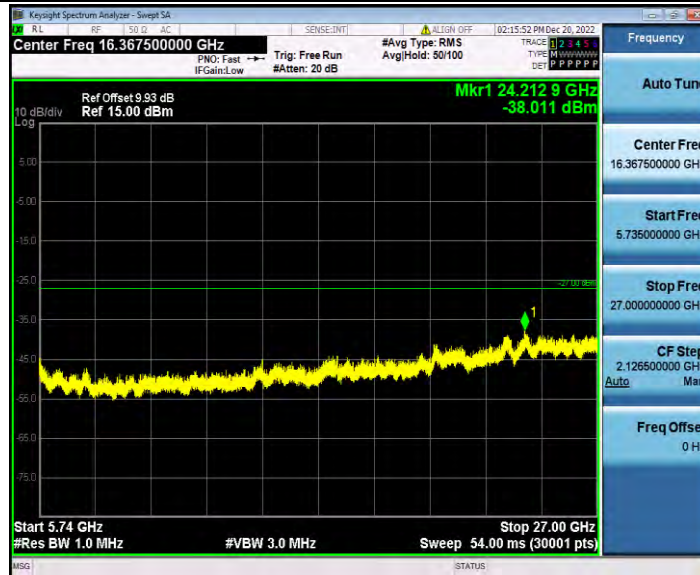
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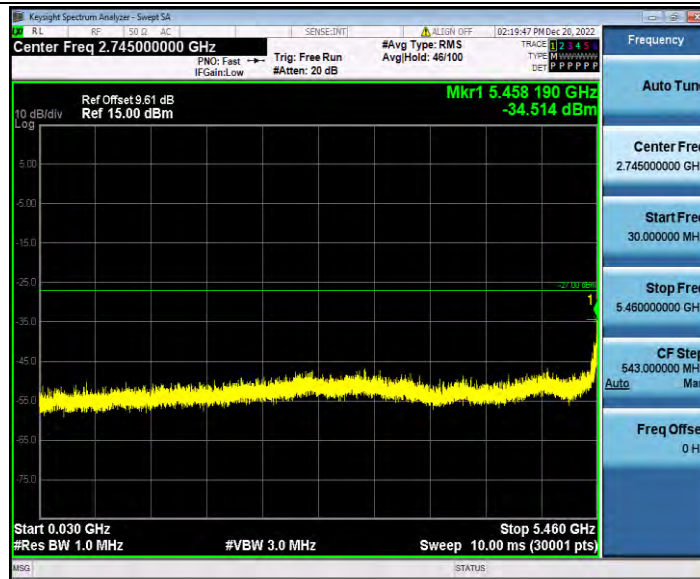
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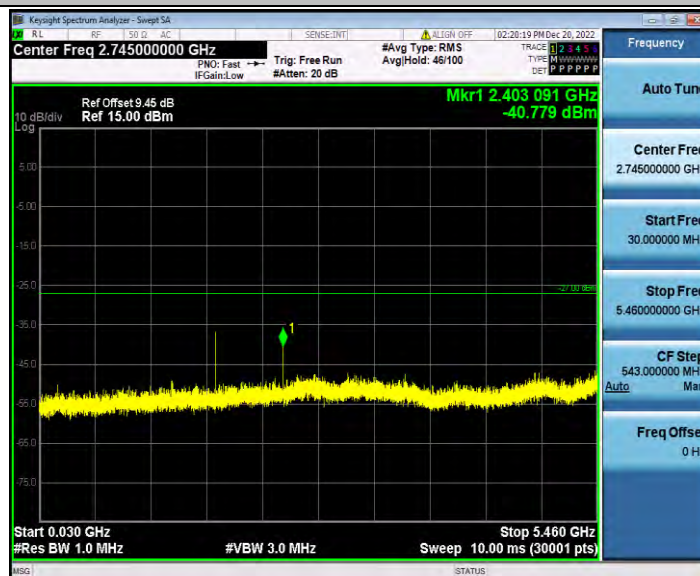
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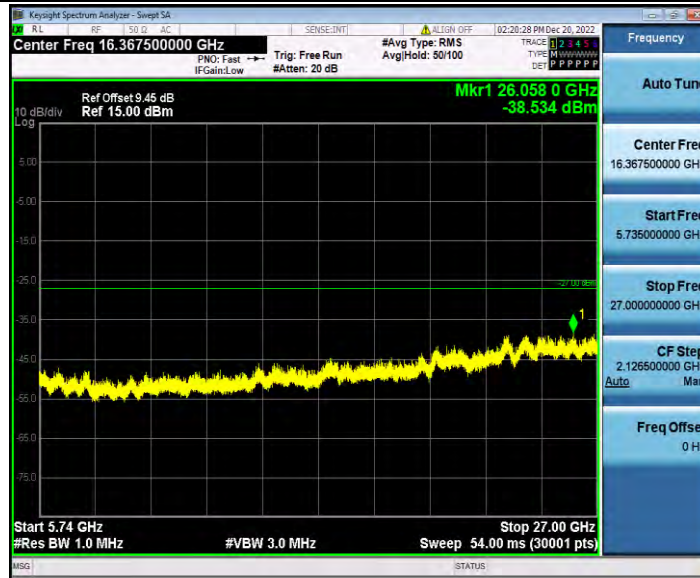
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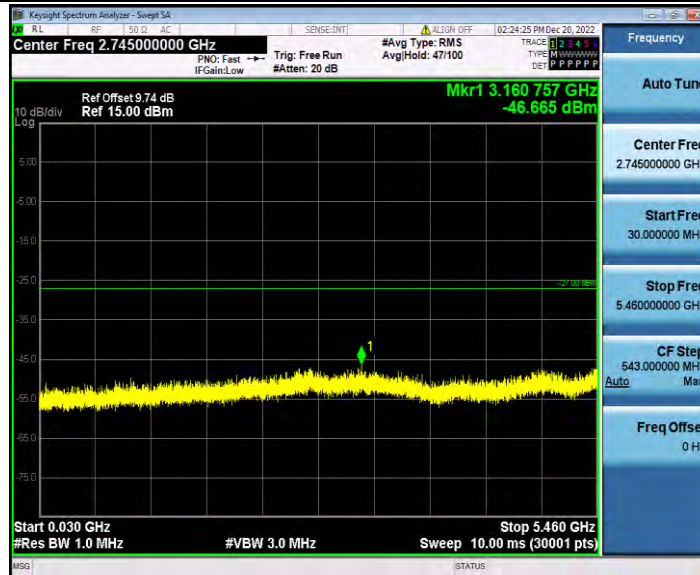
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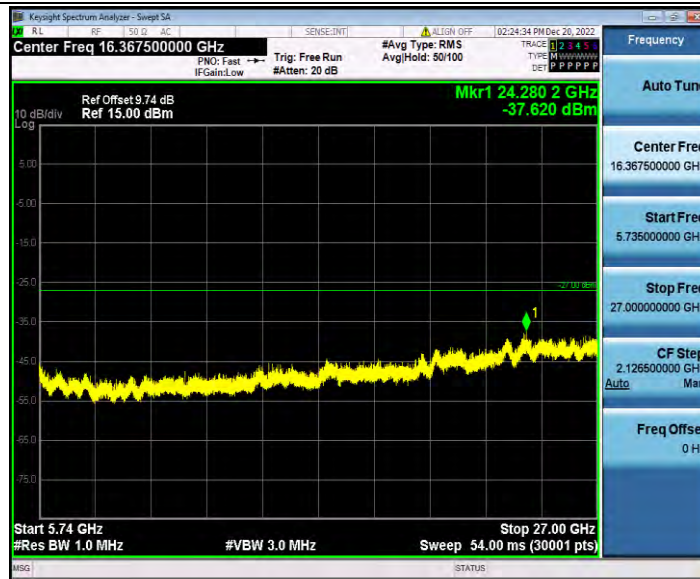
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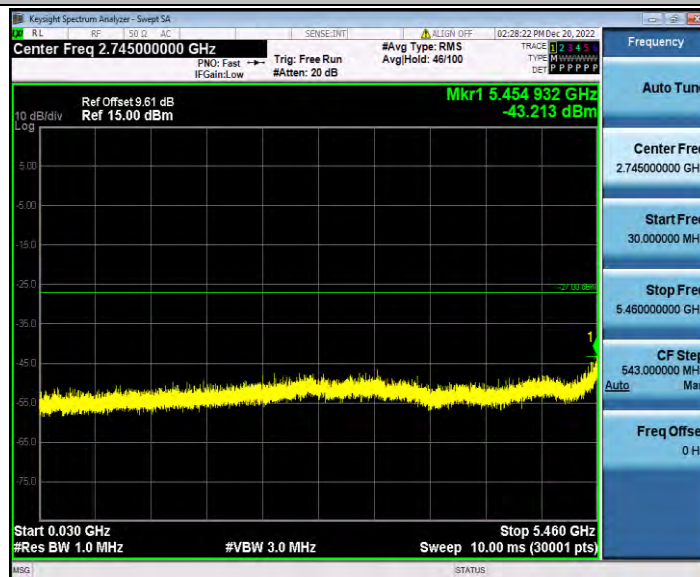
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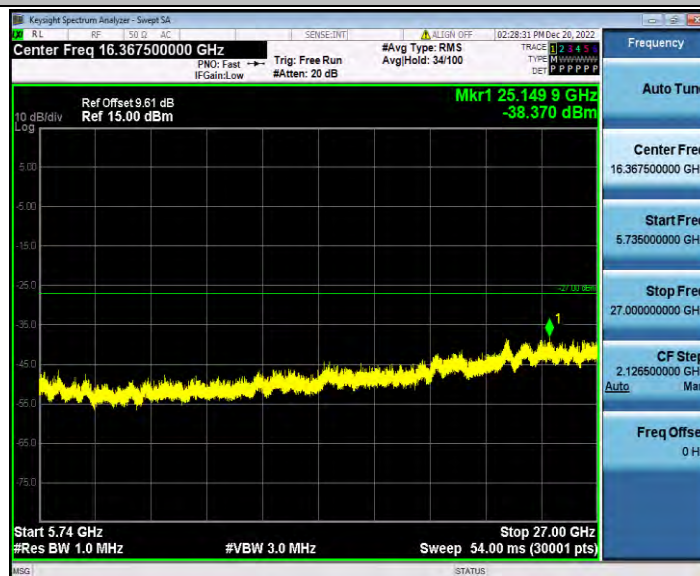
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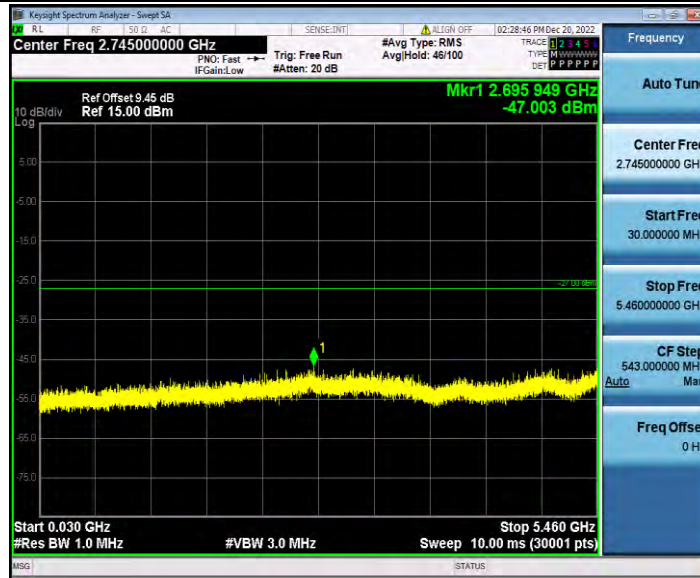
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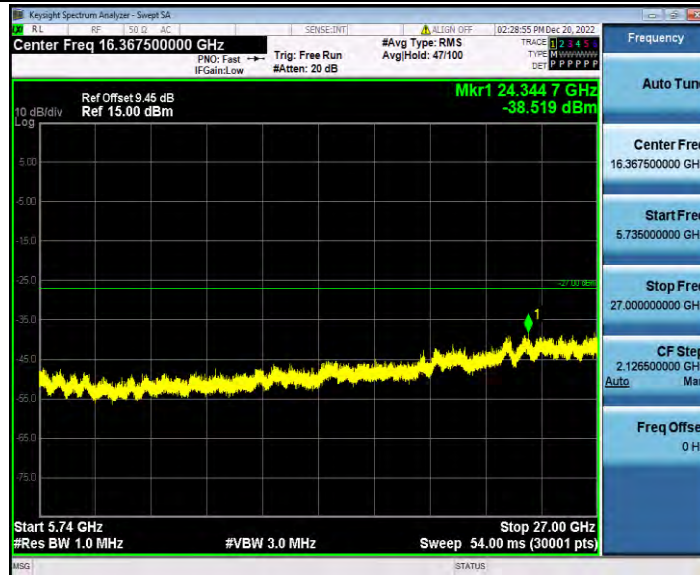
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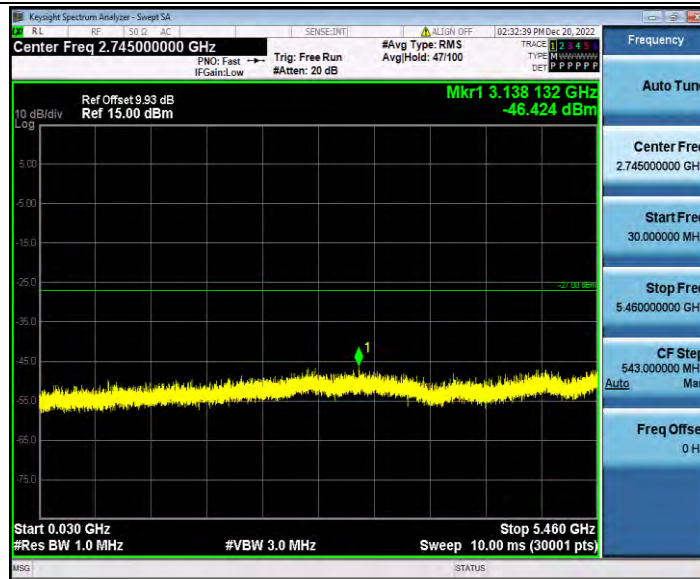
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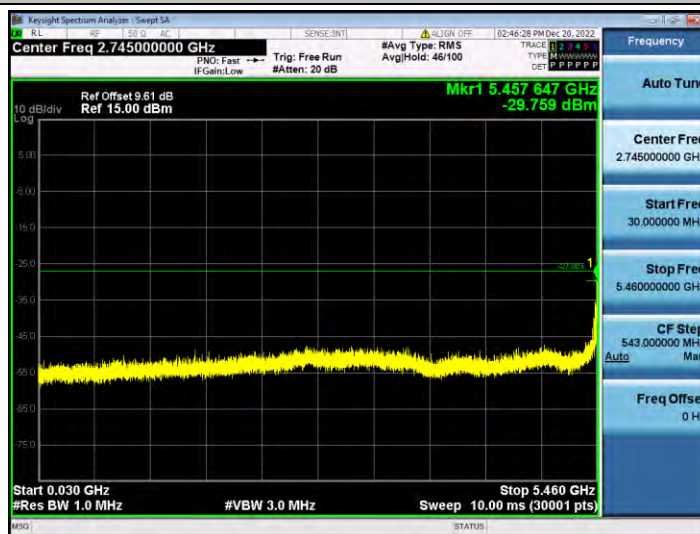
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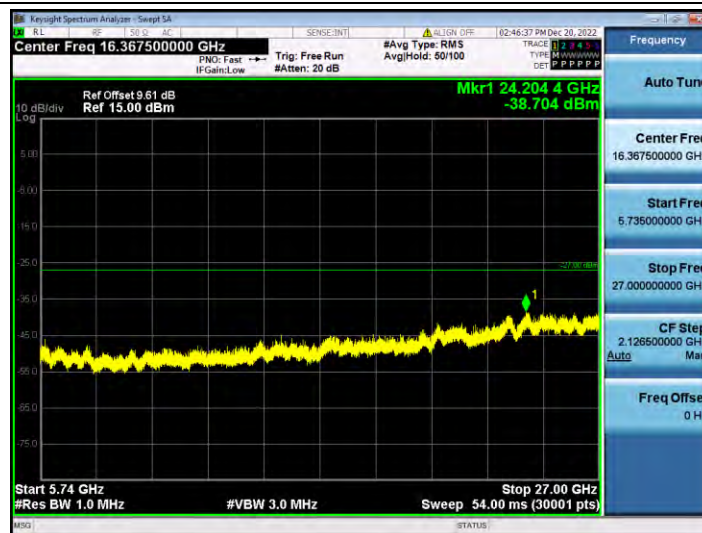
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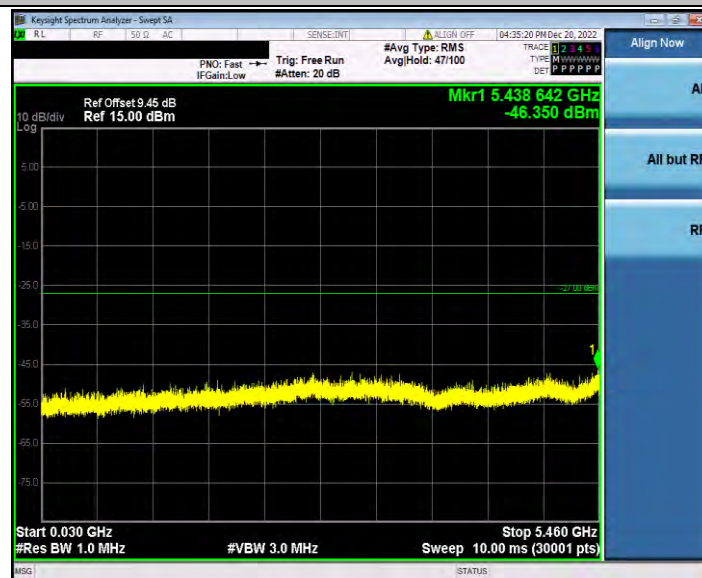
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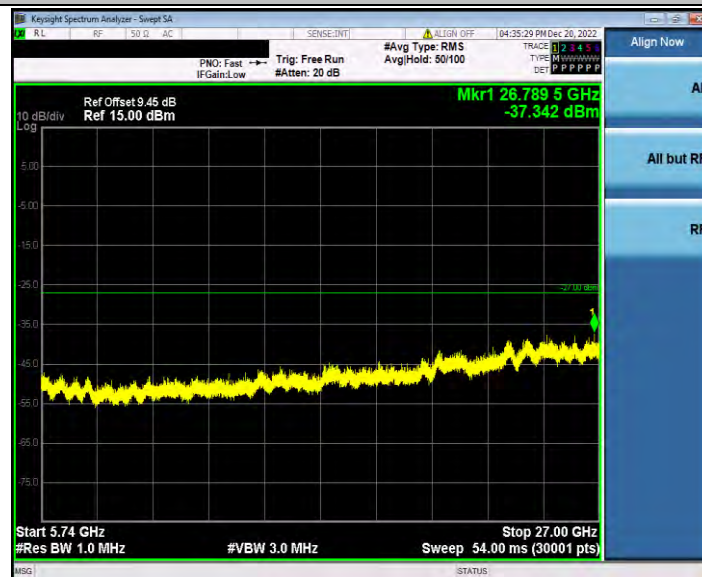
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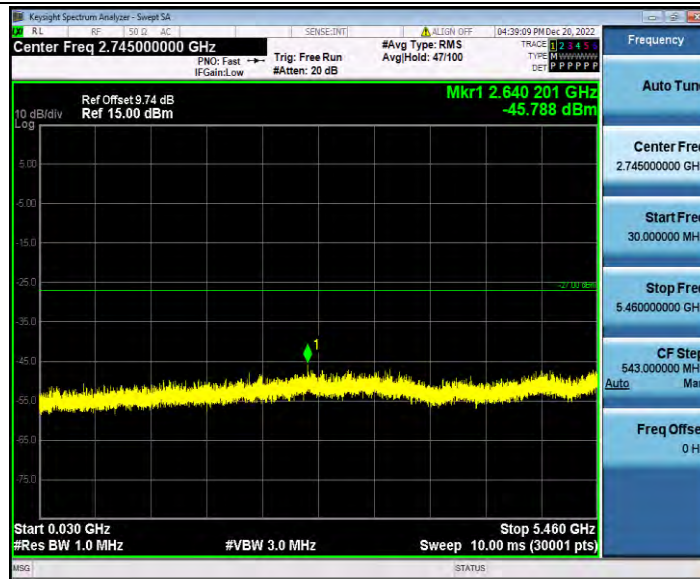
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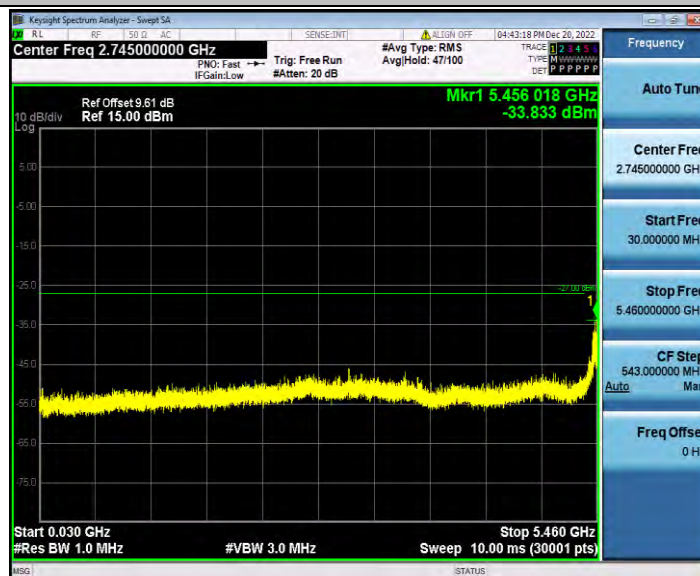
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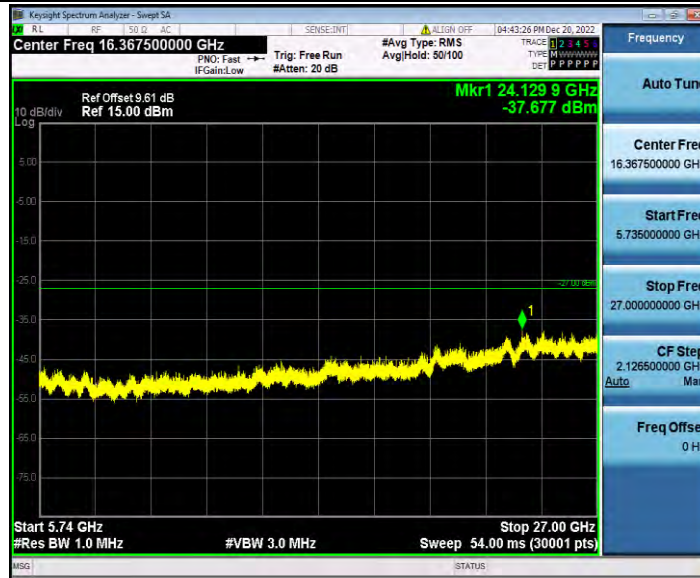
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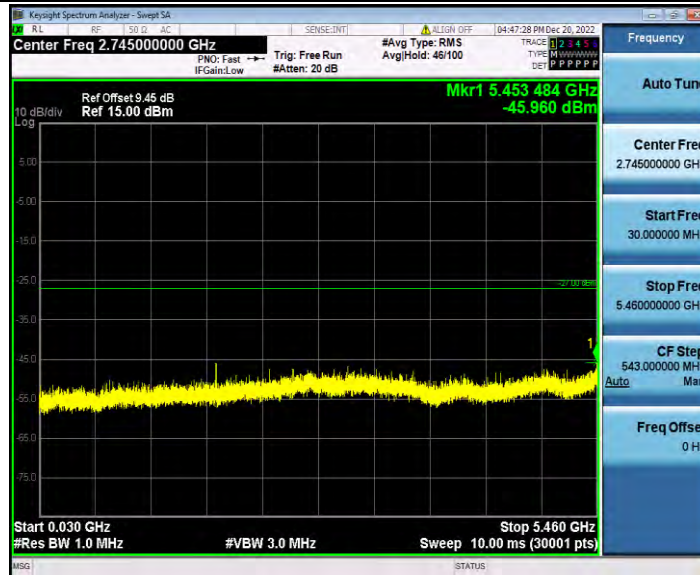
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# 11AC80SISO\_Ant1\_5610\_30~5460



# 11AC80SISO\_Ant1\_5610\_5735~40000

