

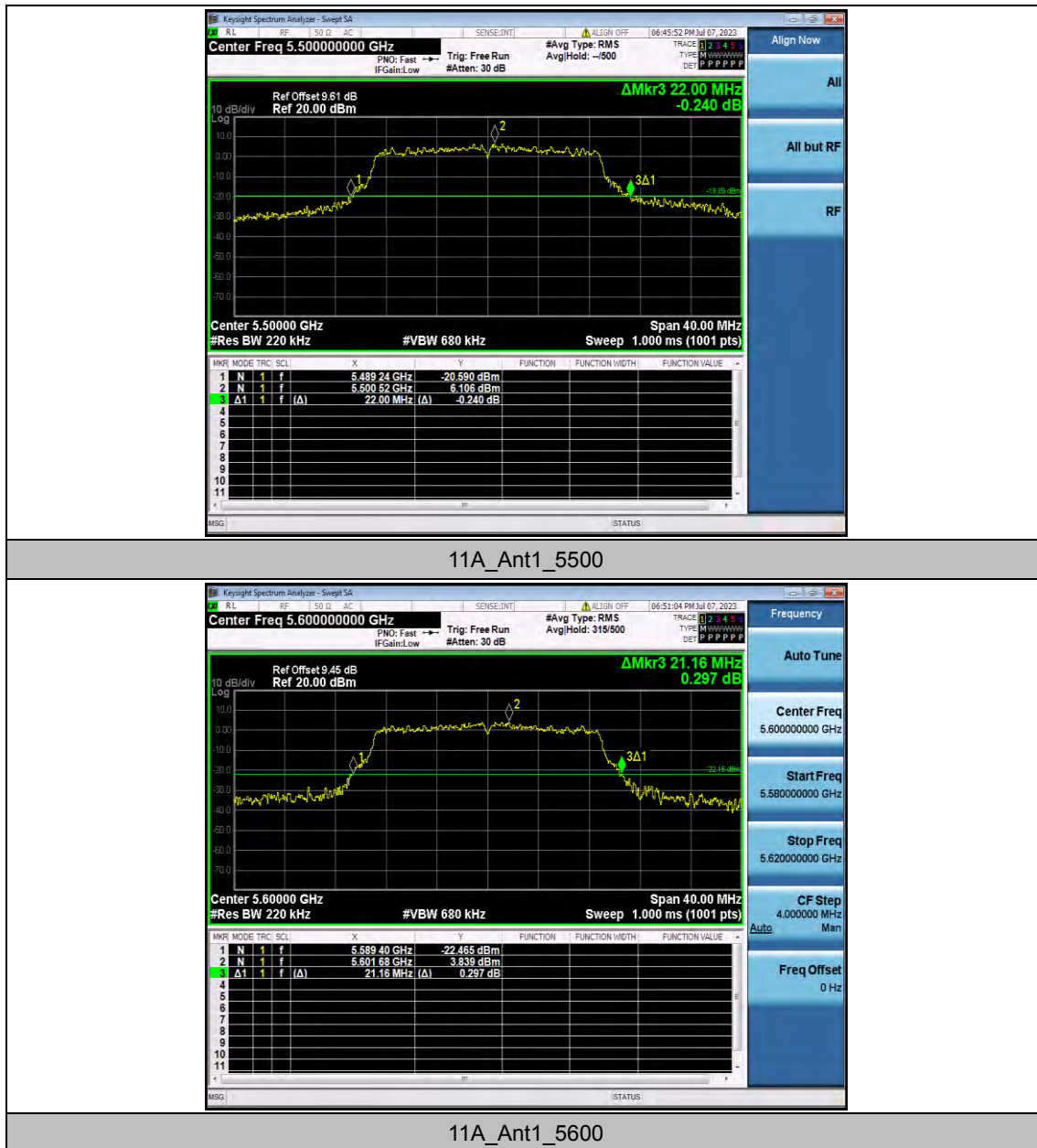
|                                                                       |                                          |
|-----------------------------------------------------------------------|------------------------------------------|
| <b>Case No. :</b> <u>GTS20220803009-1-41</u>                          |                                          |
| <b>Ambient Condition:</b> <u>22</u> °C, <u>49</u> %RH, Atmos100.1Kpa, |                                          |
| <b>Test Date:</b> <u>2023.7.7</u>                                     | <b>Test Engineer:</b> <u>Evan Ouyang</u> |

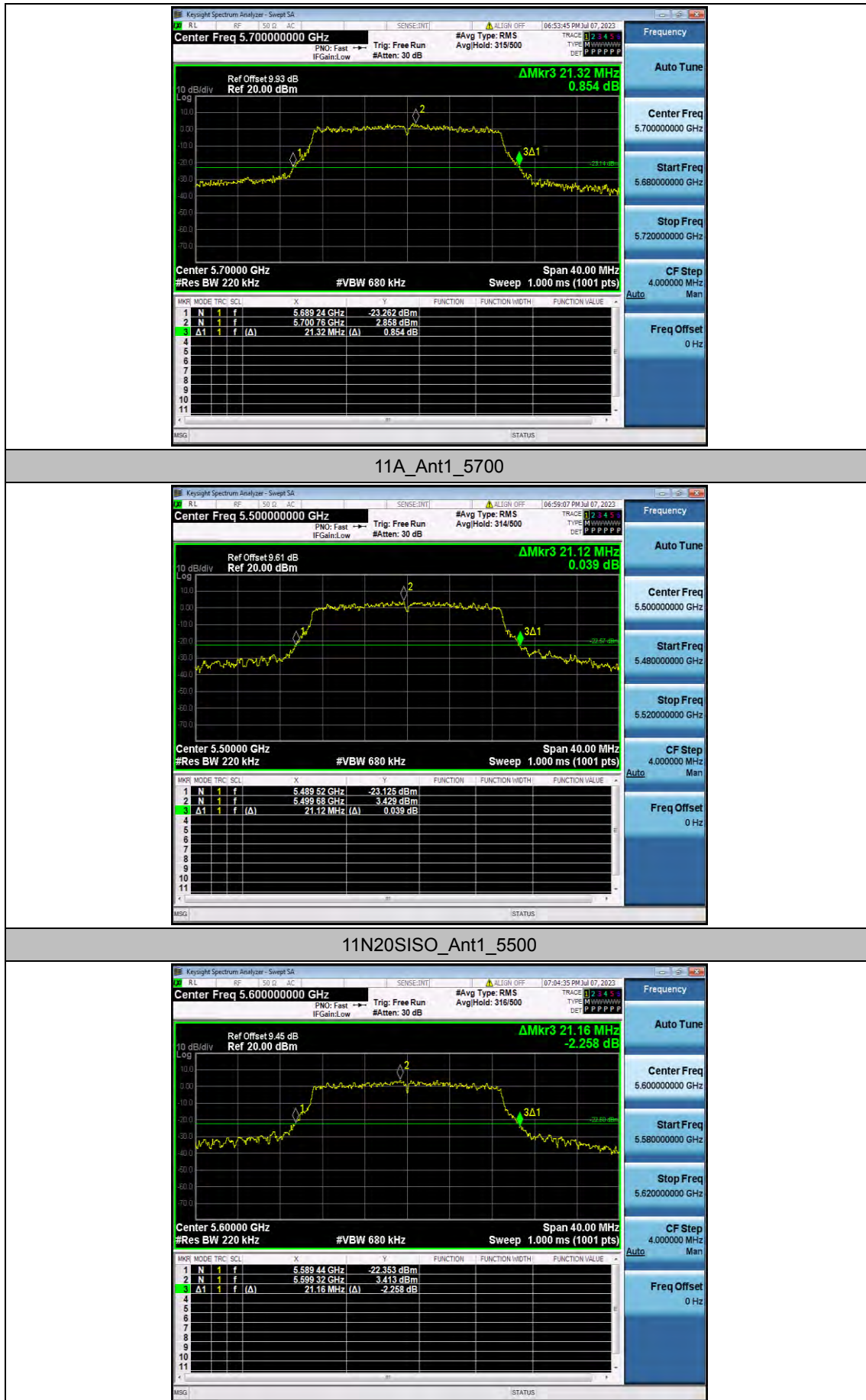
## Appendix F.1: Emission Bandwidth

### Test Result

| Test Mode  | Antenna | Frequency[MHz] | 26db<br>EBW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|----------------------|----------|----------|------------|---------|
| 11A        | Ant1    | 5500           | 22.000               | 5489.240 | 5511.240 | ---        | ---     |
|            |         | 5600           | 21.160               | 5589.400 | 5610.560 | ---        | ---     |
|            |         | 5700           | 21.320               | 5689.240 | 5710.560 | ---        | ---     |
| 11N20SISO  | Ant1    | 5500           | 21.120               | 5489.520 | 5510.640 | ---        | ---     |
|            |         | 5600           | 21.160               | 5589.440 | 5610.600 | ---        | ---     |
|            |         | 5700           | 21.280               | 5689.360 | 5710.640 | ---        | ---     |
| 11N40SISO  | Ant1    | 5510           | 41.440               | 5490.320 | 5531.760 | ---        | ---     |
|            |         | 5590           | 39.440               | 5570.160 | 5609.600 | ---        | ---     |
|            |         | 5670           | 39.840               | 5650.000 | 5689.840 | ---        | ---     |
| 11AC20SISO | Ant1    | 5500           | 21.600               | 5489.440 | 5511.040 | ---        | ---     |
|            |         | 5600           | 21.600               | 5589.160 | 5610.760 | ---        | ---     |
|            |         | 5700           | 21.280               | 5689.360 | 5710.640 | ---        | ---     |
| 11AC40SISO | Ant1    | 5510           | 42.080               | 5490.160 | 5532.240 | ---        | ---     |
|            |         | 5590           | 39.760               | 5570.080 | 5609.840 | ---        | ---     |
|            |         | 5670           | 39.920               | 5650.000 | 5689.920 | ---        | ---     |
| 11AC80SISO | Ant1    | 5530           | 80.320               | 5490.000 | 5570.320 | ---        | ---     |
|            |         | 5610           | 81.120               | 5569.680 | 5650.800 | ---        | ---     |

## Test Graphs





## 11N20SISO\_Ant1\_5600

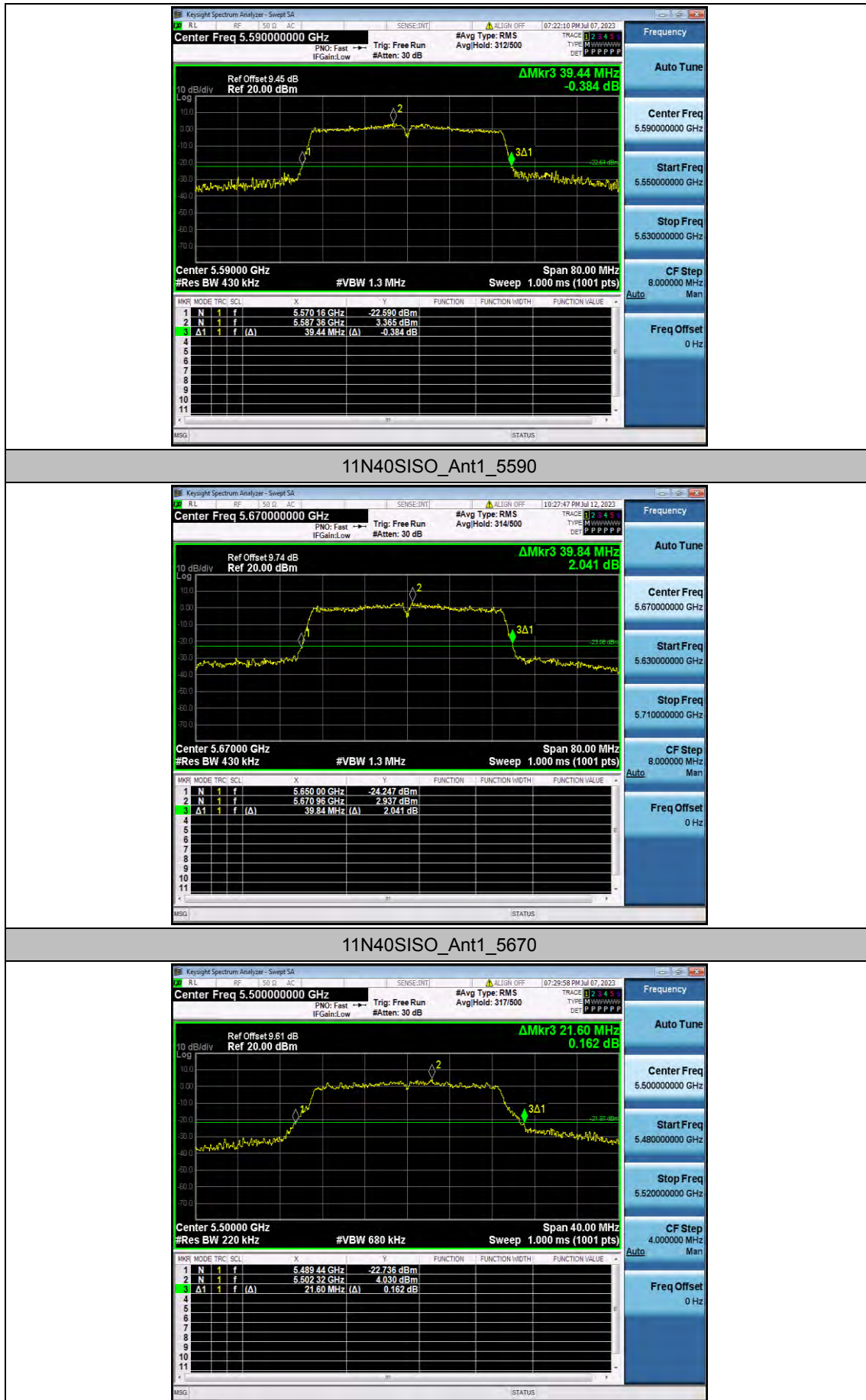


## 11N20SISO\_Ant1\_5700



## 11N40SISO\_Ant1\_5510

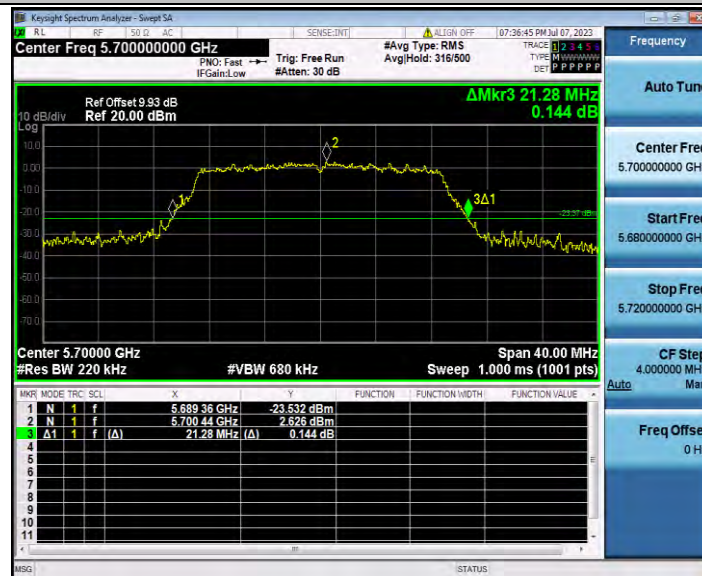




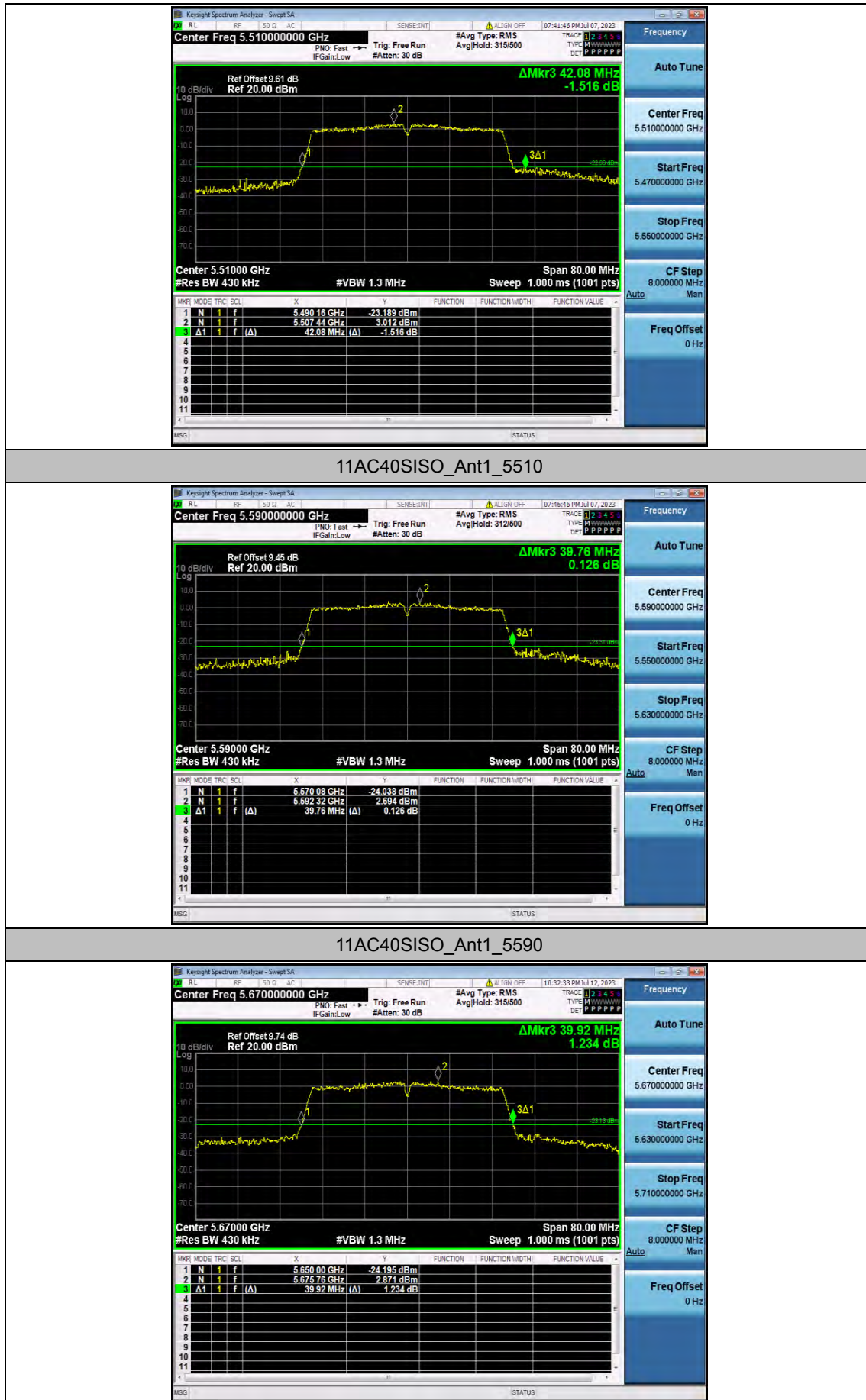
## 11AC20SISO\_Ant1\_5500



## 11AC20SISO\_Ant1\_5600

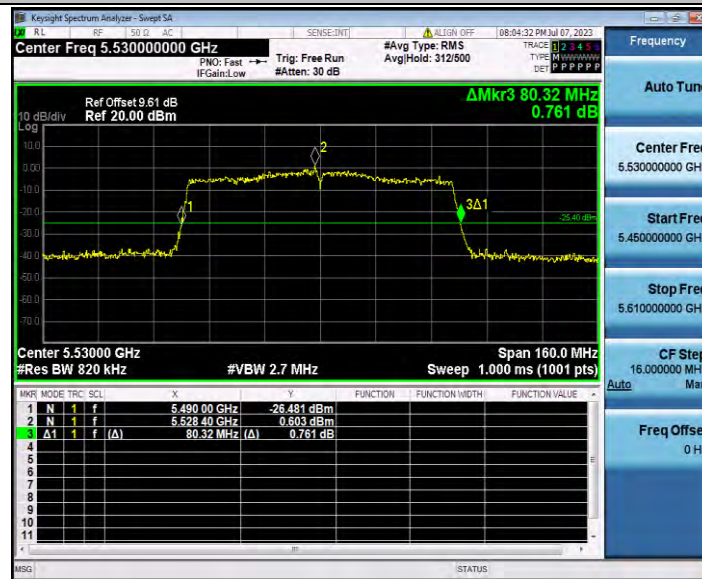


## 11AC20SISO\_Ant1\_5700

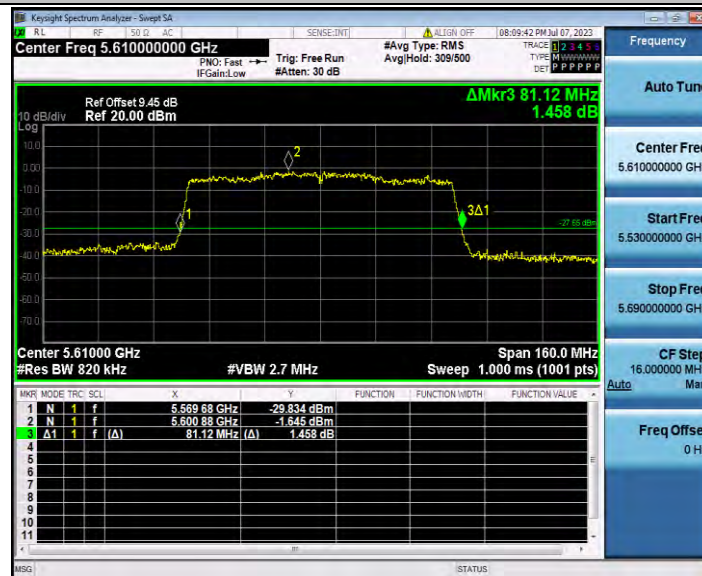




## 11AC40SISO\_Ant1\_5670



## 11AC80SISO\_Ant1\_5530



## 11AC80SISO\_Ant1\_5610

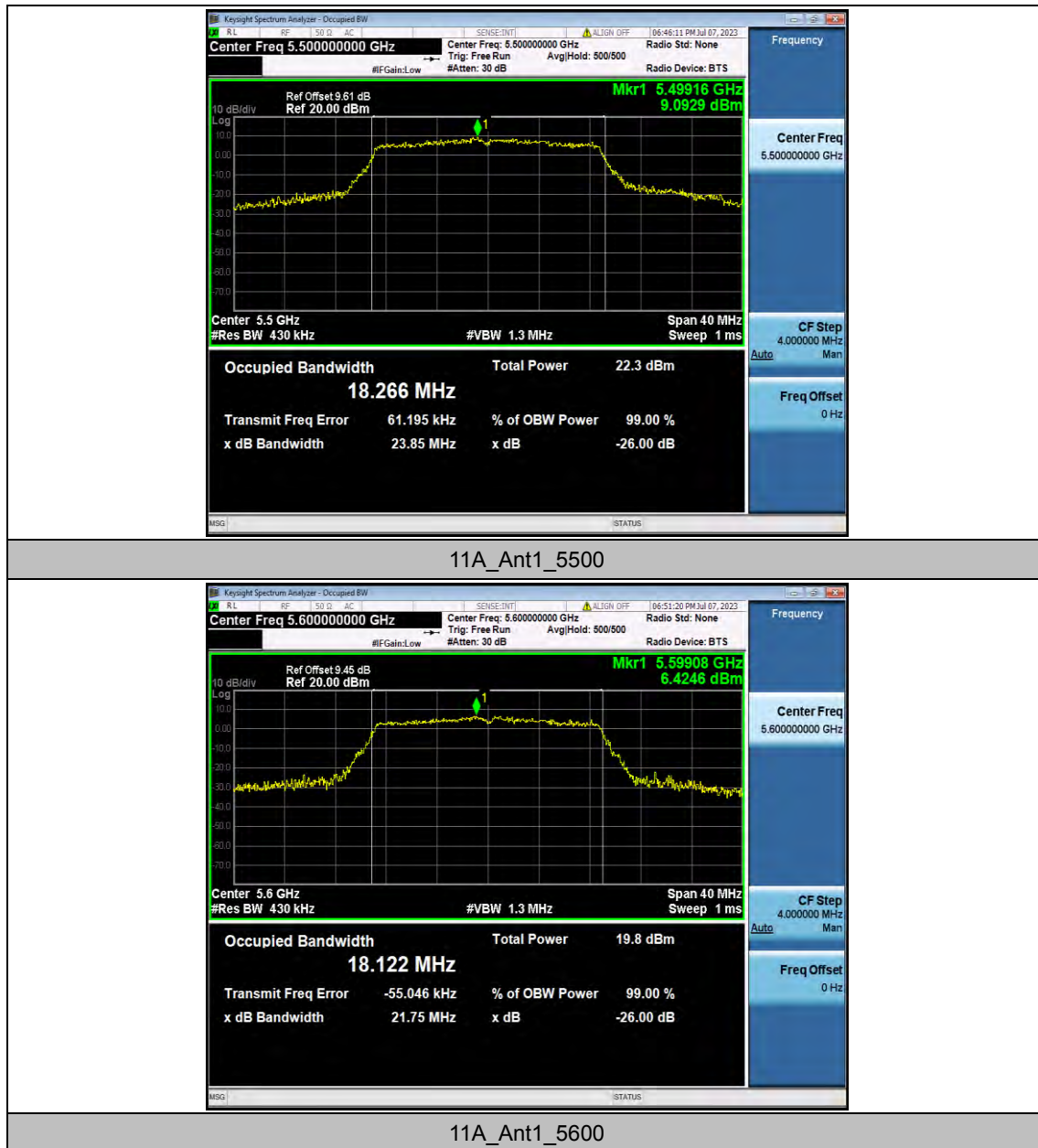


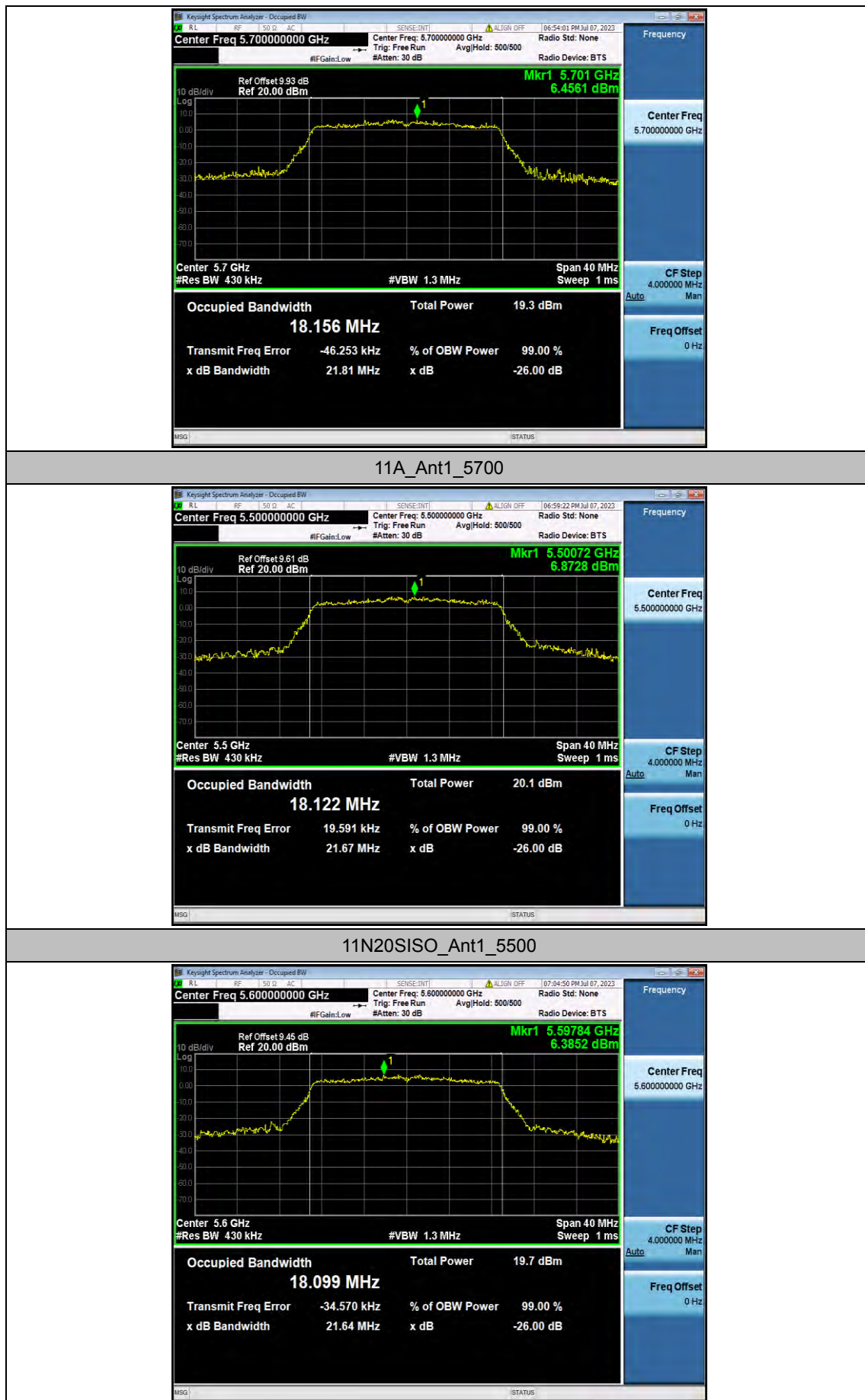
## Appendix F.2: Occupied channel bandwidth

### Test Result

| Test Mode  | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|-----------|----------|----------|------------|---------|
| 11A        | Ant1    | 5500           | 18.266    | 5490.928 | 5509.194 | ---        | ---     |
|            |         | 5600           | 18.122    | 5590.884 | 5609.006 | ---        | ---     |
|            |         | 5700           | 18.156    | 5690.876 | 5709.032 | ---        | ---     |
| 11N20SISO  | Ant1    | 5500           | 18.122    | 5490.959 | 5509.081 | ---        | ---     |
|            |         | 5600           | 18.099    | 5590.916 | 5609.015 | ---        | ---     |
|            |         | 5700           | 18.191    | 5690.857 | 5709.048 | ---        | ---     |
| 11N40SISO  | Ant1    | 5510           | 36.575    | 5491.823 | 5528.398 | ---        | ---     |
|            |         | 5590           | 36.507    | 5571.714 | 5608.221 | ---        | ---     |
|            |         | 5670           | 36.704    | 5651.553 | 5688.257 | ---        | ---     |
| 11AC20SISO | Ant1    | 5500           | 18.380    | 5490.868 | 5509.248 | ---        | ---     |
|            |         | 5600           | 18.362    | 5590.775 | 5609.137 | ---        | ---     |
|            |         | 5700           | 18.363    | 5690.755 | 5709.118 | ---        | ---     |
| 11AC40SISO | Ant1    | 5510           | 36.531    | 5491.798 | 5528.329 | ---        | ---     |
|            |         | 5590           | 36.522    | 5571.745 | 5608.267 | ---        | ---     |
|            |         | 5670           | 36.674    | 5651.569 | 5688.243 | ---        | ---     |
| 11AC80SISO | Ant1    | 5530           | 75.525    | 5492.265 | 5567.790 | ---        | ---     |
|            |         | 5610           | 75.709    | 5572.121 | 5647.830 | ---        | ---     |

## Test Graphs

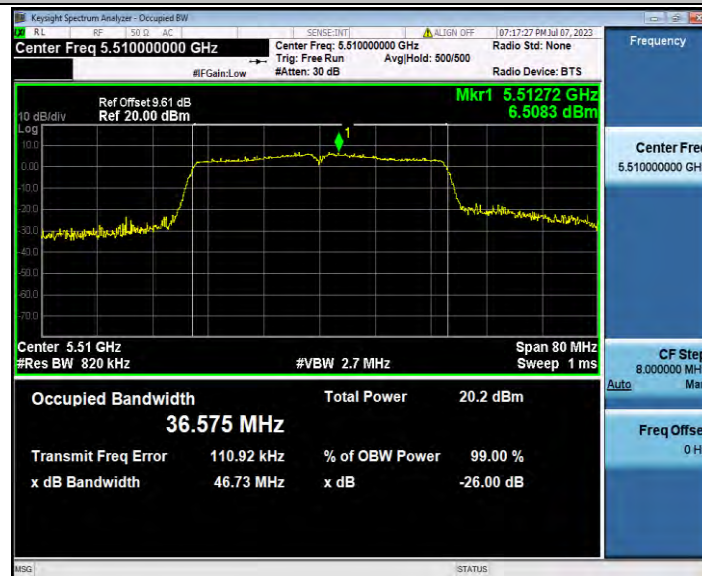




## 11N20SISO\_Ant1\_5600

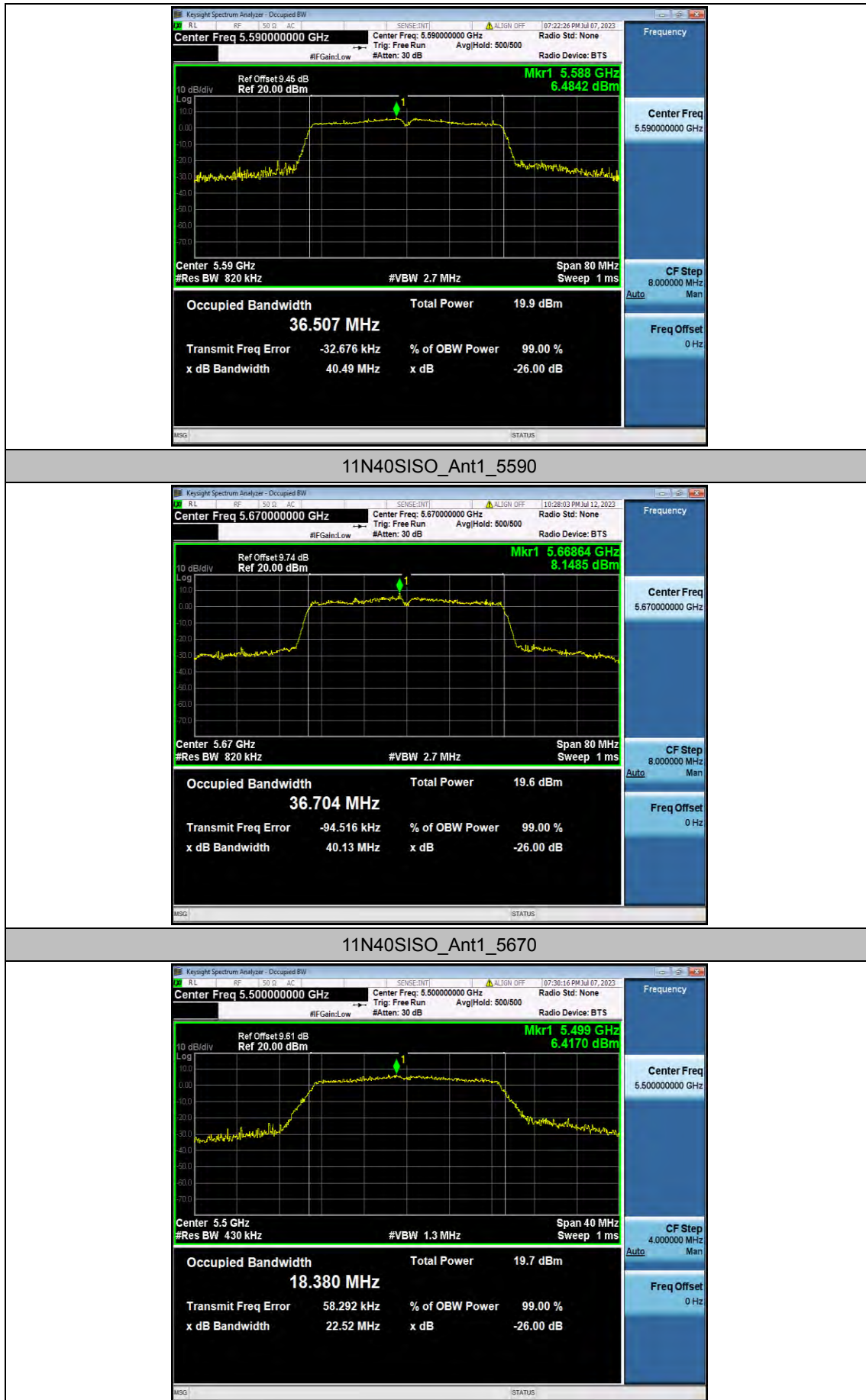


## 11N20SISO\_Ant1\_5700



## 11N40SISO\_Ant1\_5510

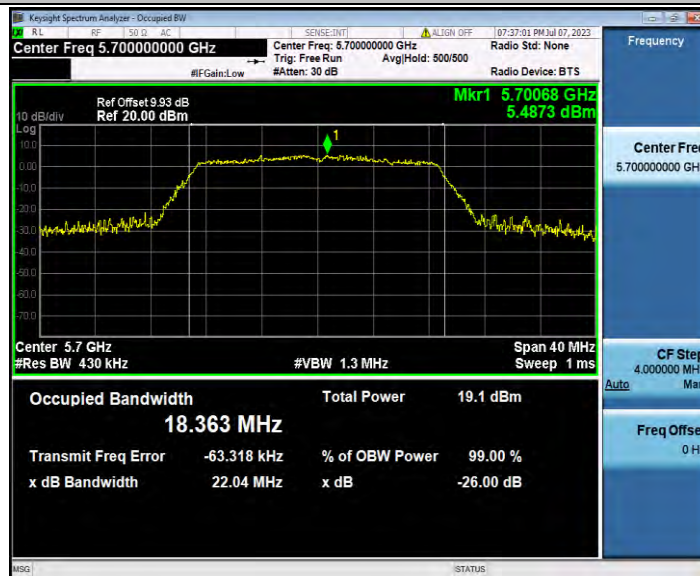




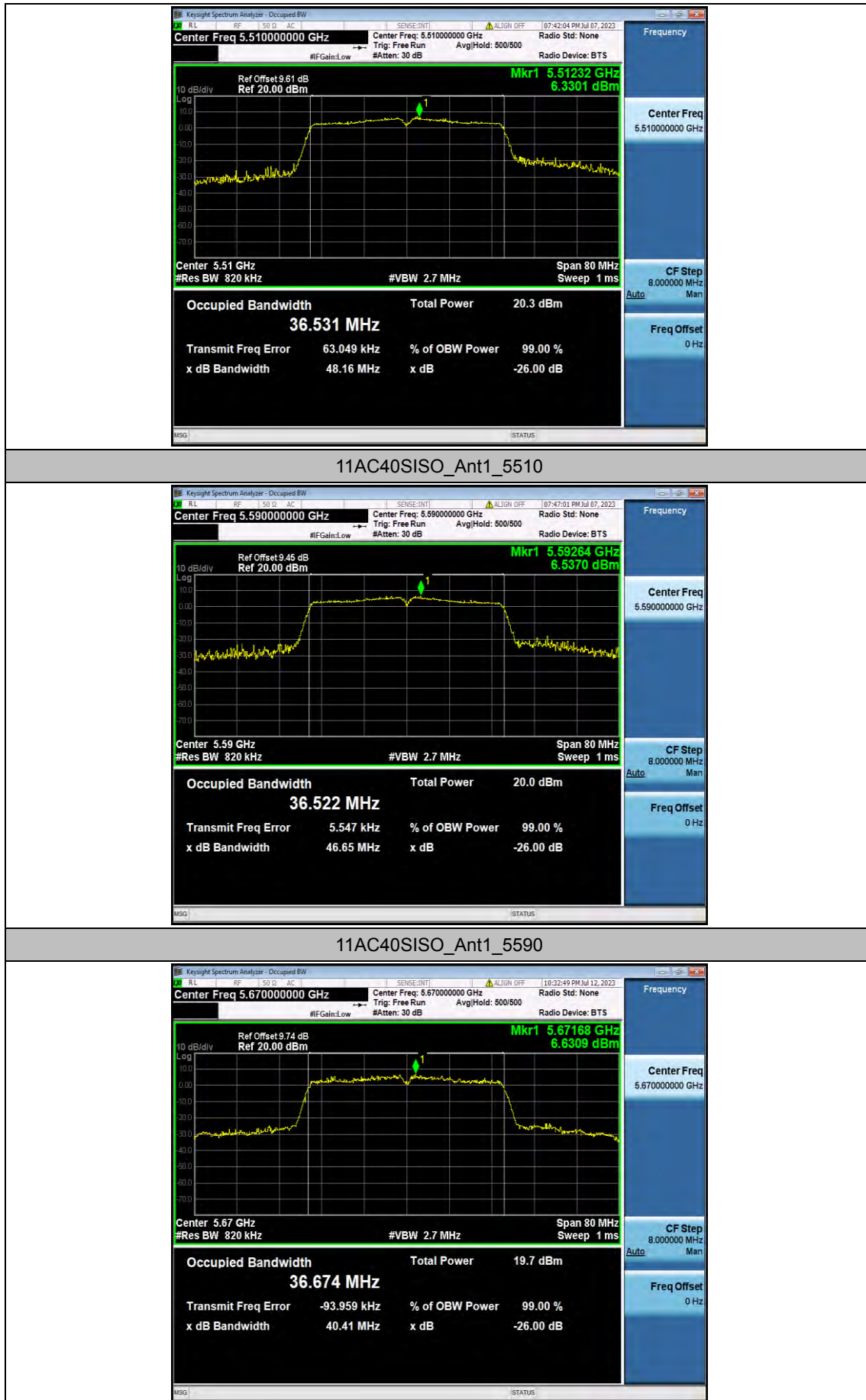
## 11AC20SISO\_Ant1\_5500



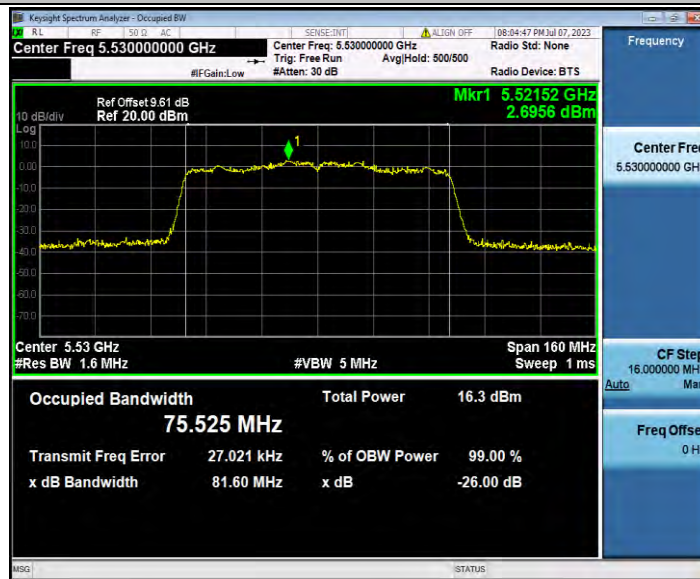
## 11AC20SISO\_Ant1\_5600



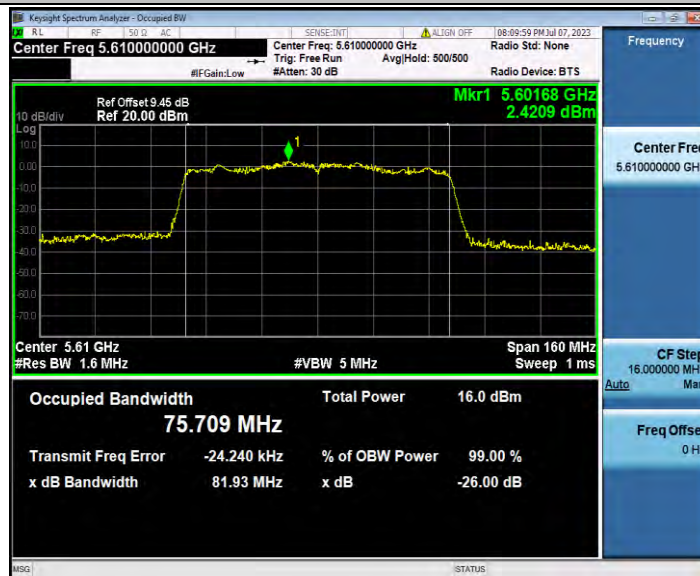
## 11AC20SISO\_Ant1\_5700



## 11AC40SISO\_Ant1\_5670



## 11AC80SISO\_Ant1\_5530



## 11AC80SISO\_Ant1\_5610

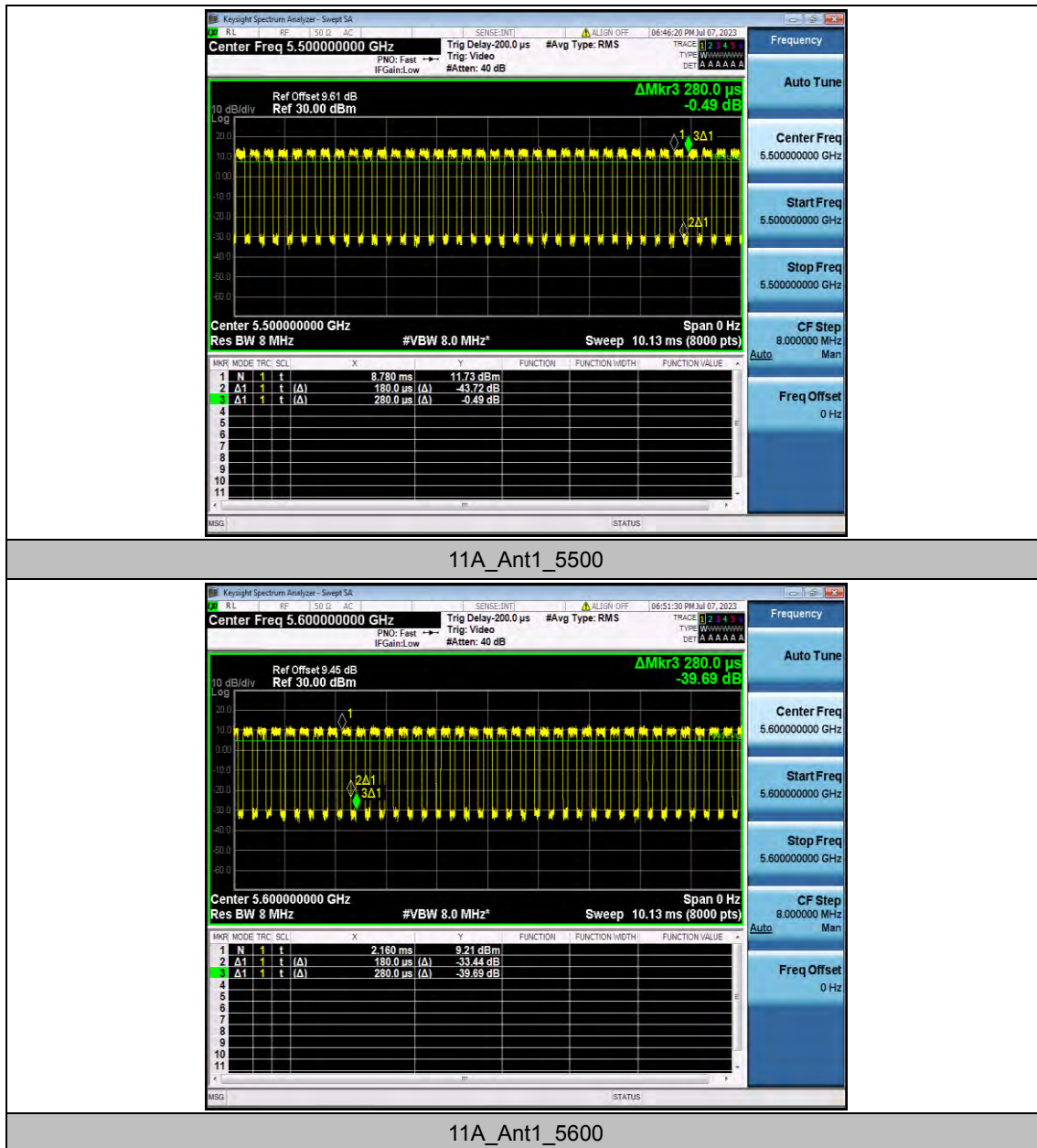


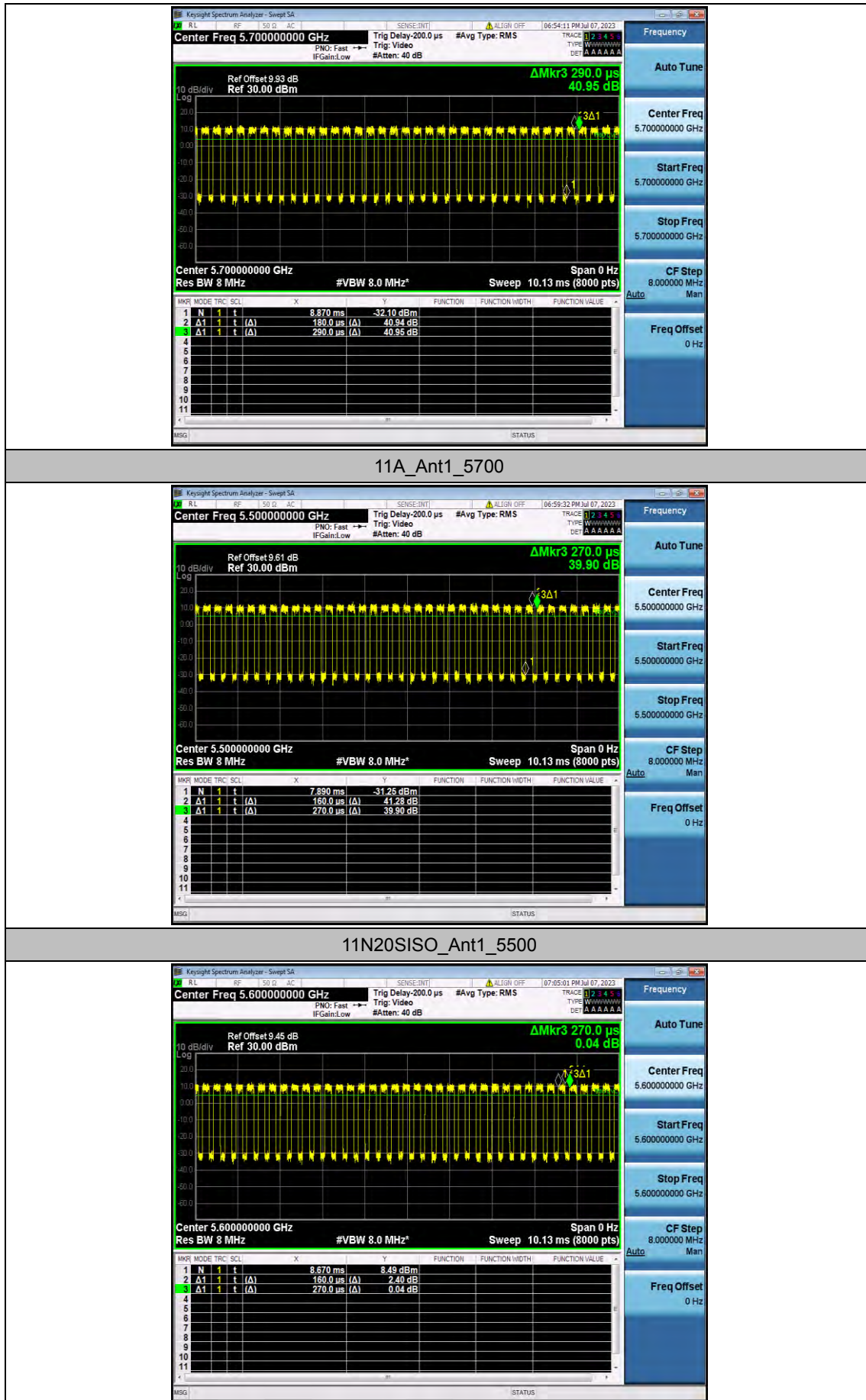
## Appendix F.3: Duty Cycle

### Test Result

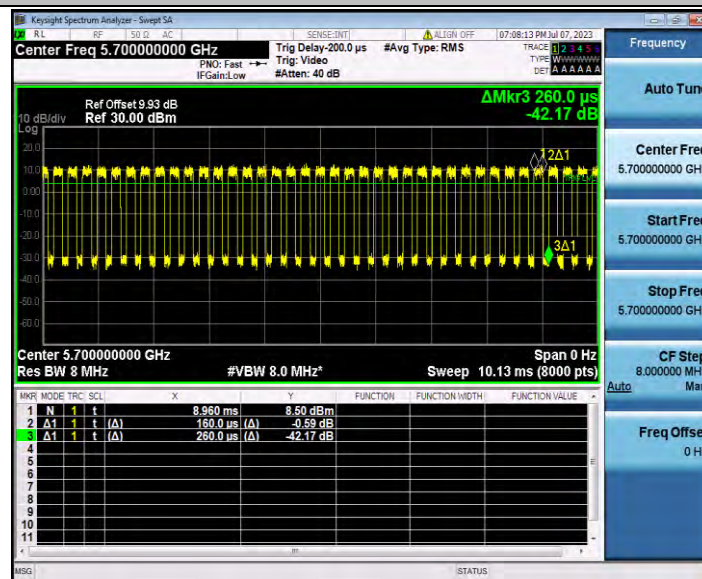
| Test Mode  | Antenna | Frequency[MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|------------|---------|----------------|----------------------------|--------------------------|----------------|
| 11A        | Ant1    | 5500           | 0.18                       | 0.28                     | 64.29          |
|            |         | 5600           | 0.18                       | 0.28                     | 64.29          |
|            |         | 5700           | 0.18                       | 0.29                     | 62.07          |
| 11N20SISO  | Ant1    | 5500           | 0.16                       | 0.27                     | 59.26          |
|            |         | 5600           | 0.16                       | 0.27                     | 59.26          |
|            |         | 5700           | 0.16                       | 0.26                     | 61.54          |
| 11N40SISO  | Ant1    | 5510           | 0.65                       | 0.75                     | 86.67          |
|            |         | 5590           | 0.65                       | 0.75                     | 86.67          |
|            |         | 5670           | 0.09                       | 0.19                     | 47.37          |
| 11AC20SISO | Ant1    | 5500           | 1.31                       | 1.41                     | 92.91          |
|            |         | 5600           | 1.31                       | 1.41                     | 92.91          |
|            |         | 5700           | 1.31                       | 1.41                     | 92.91          |
| 11AC40SISO | Ant1    | 5510           | 0.65                       | 0.75                     | 86.67          |
|            |         | 5590           | 0.64                       | 0.75                     | 85.33          |
|            |         | 5670           | 0.08                       | 0.19                     | 42.11          |
| 11AC80SISO | Ant1    | 5530           | 0.06                       | 0.16                     | 37.50          |
|            |         | 5610           | 0.06                       | 0.16                     | 37.50          |

## Test Graphs

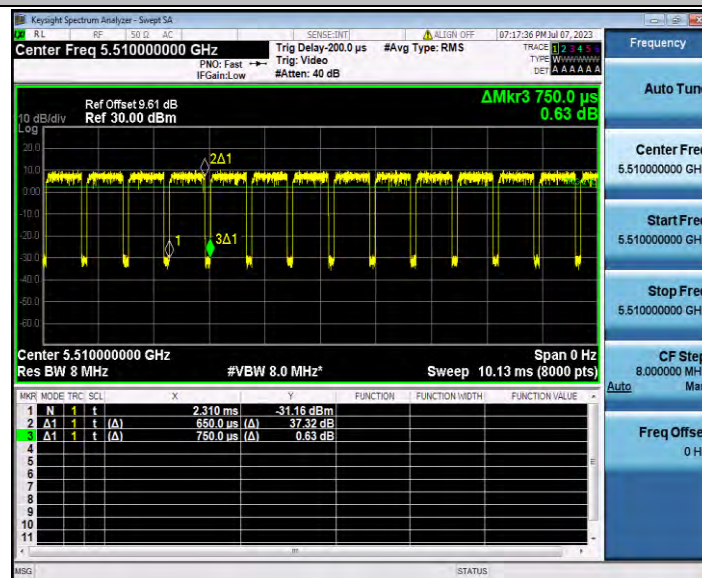




## 11N20SISO\_Ant1\_5600

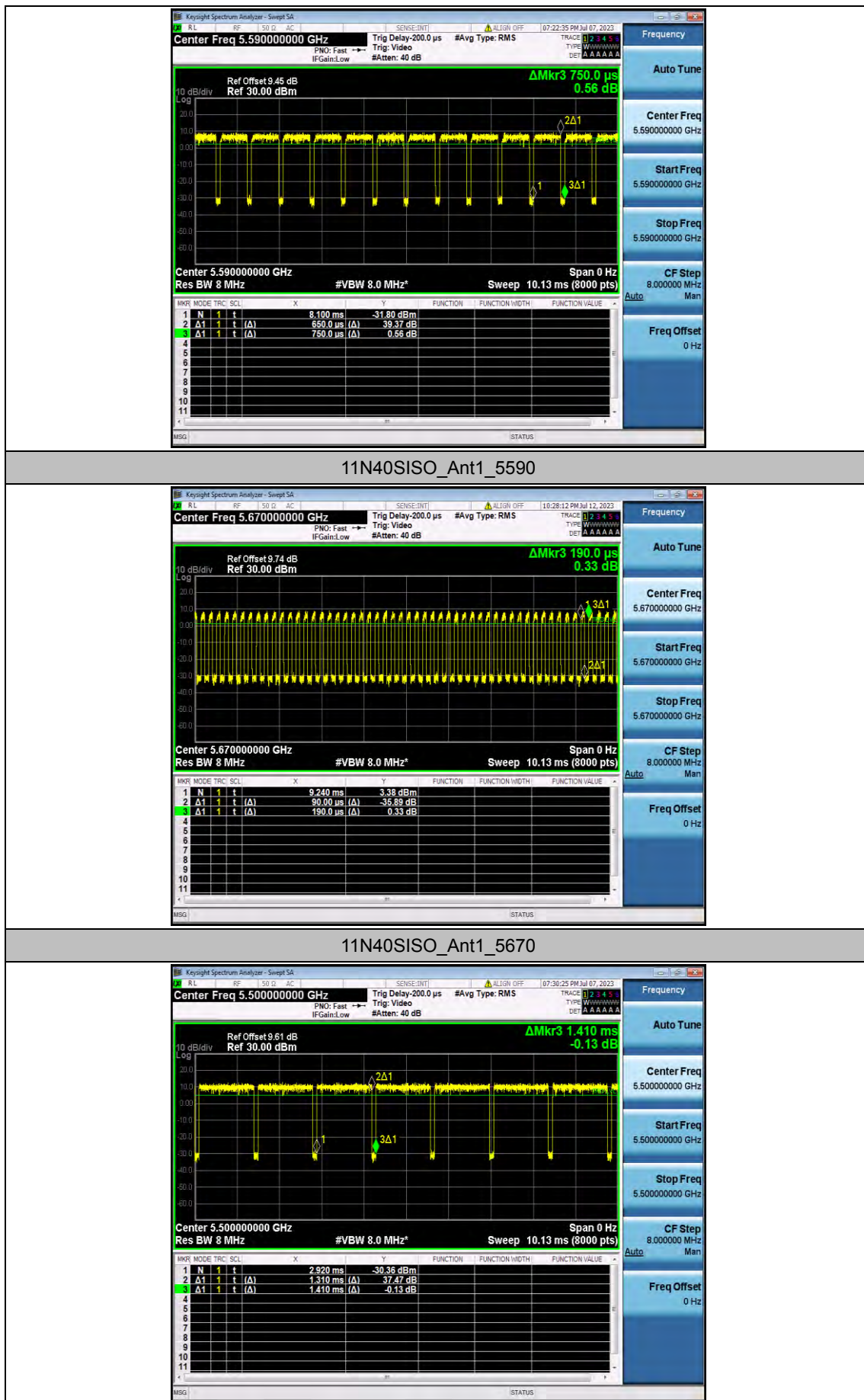


## 11N20SISO\_Ant1\_5700

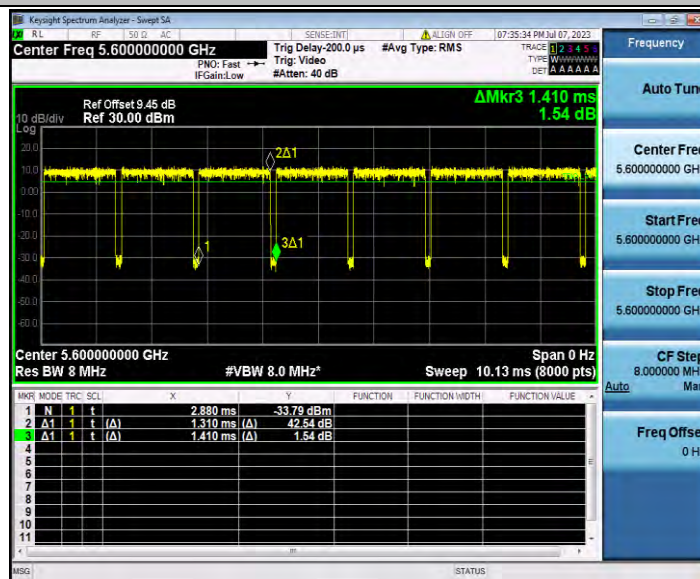


## 11N40SISO\_Ant1\_5510

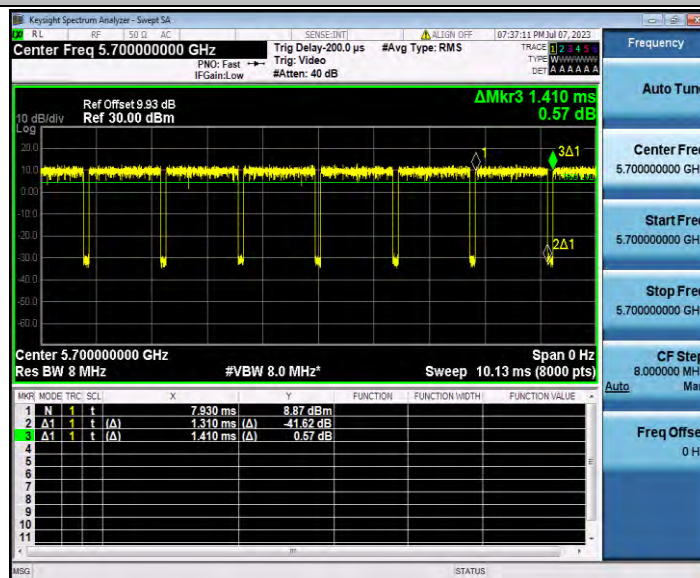




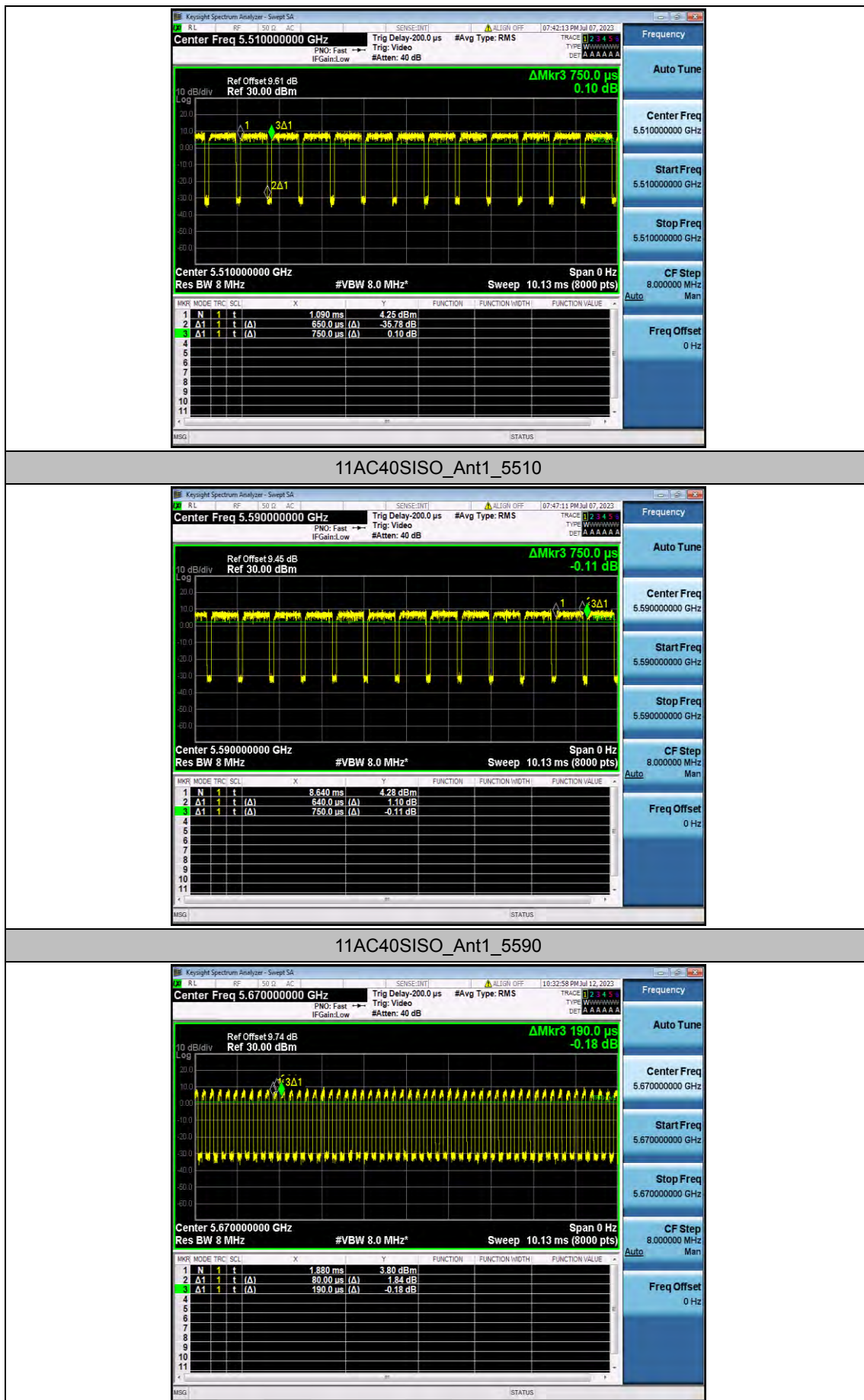
## 11AC20SISO\_Ant1\_5500



## 11AC20SISO\_Ant1\_5600

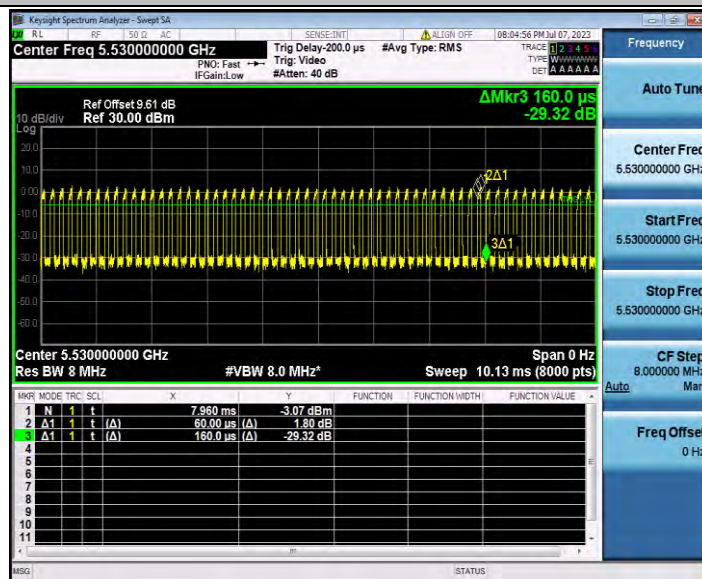


## 11AC20SISO\_Ant1\_5700

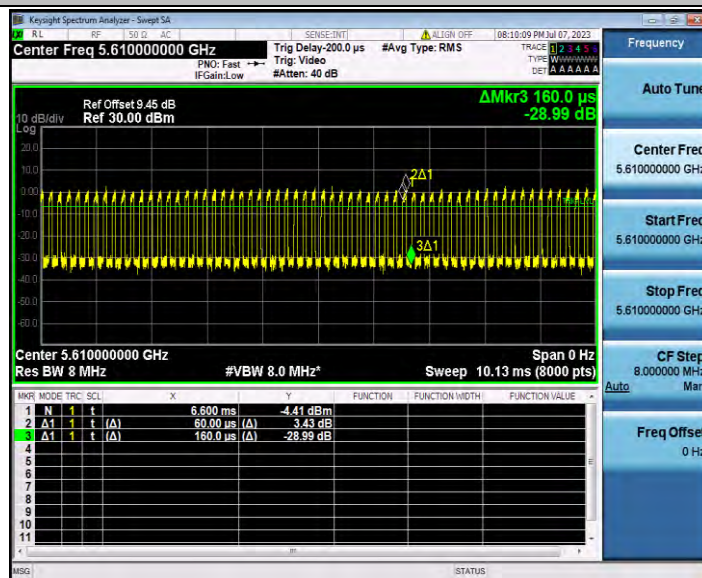




## 11AC40SISO\_Ant1\_5670



## 11AC80SISO\_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           | 13.15               | 64.29          | 1.92            | 15.07        | ≤23.98      | PASS    |
|            |         | 5600           | 10.72               | 64.29          | 1.92            | 12.64        | ≤23.98      | PASS    |
|            |         | 5700           | 10.20               | 62.07          | 2.07            | 12.27        | ≤23.98      | PASS    |
| 11N20SISO  | Ant1    | 5500           | 10.83               | 59.26          | 2.27            | 13.10        | ≤23.98      | PASS    |
|            |         | 5600           | 10.51               | 59.26          | 2.27            | 12.78        | ≤23.98      | PASS    |
|            |         | 5700           | 9.94                | 61.54          | 2.11            | 12.05        | ≤23.98      | PASS    |
| 11N40SISO  | Ant1    | 5510           | 12.29               | 86.67          | 0.62            | 12.91        | ≤23.98      | PASS    |
|            |         | 5590           | 11.85               | 86.67          | 0.62            | 12.47        | ≤23.98      | PASS    |
|            |         | 5670           | 8.79                | 47.37          | 3.24            | 12.03        | ≤23.98      | PASS    |
| 11AC20SISO | Ant1    | 5500           | 12.59               | 92.91          | 0.32            | 12.91        | ≤23.98      | PASS    |
|            |         | 5600           | 12.13               | 92.91          | 0.32            | 12.45        | ≤23.98      | PASS    |
|            |         | 5700           | 11.98               | 92.91          | 0.32            | 12.30        | ≤23.98      | PASS    |
| 11AC40SISO | Ant1    | 5510           | 12.28               | 86.67          | 0.62            | 12.90        | ≤23.98      | PASS    |
|            |         | 5590           | 11.94               | 85.33          | 0.69            | 12.63        | ≤23.98      | PASS    |
|            |         | 5670           | 8.84                | 42.11          | 3.76            | 12.60        | ≤23.98      | PASS    |
| 11AC80SISO | Ant1    | 5530           | 5.96                | 37.50          | 4.26            | 10.22        | ≤23.98      | PASS    |
|            |         | 5610           | 5.51                | 37.50          | 4.26            | 9.77         | ≤23.98      | PASS    |

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

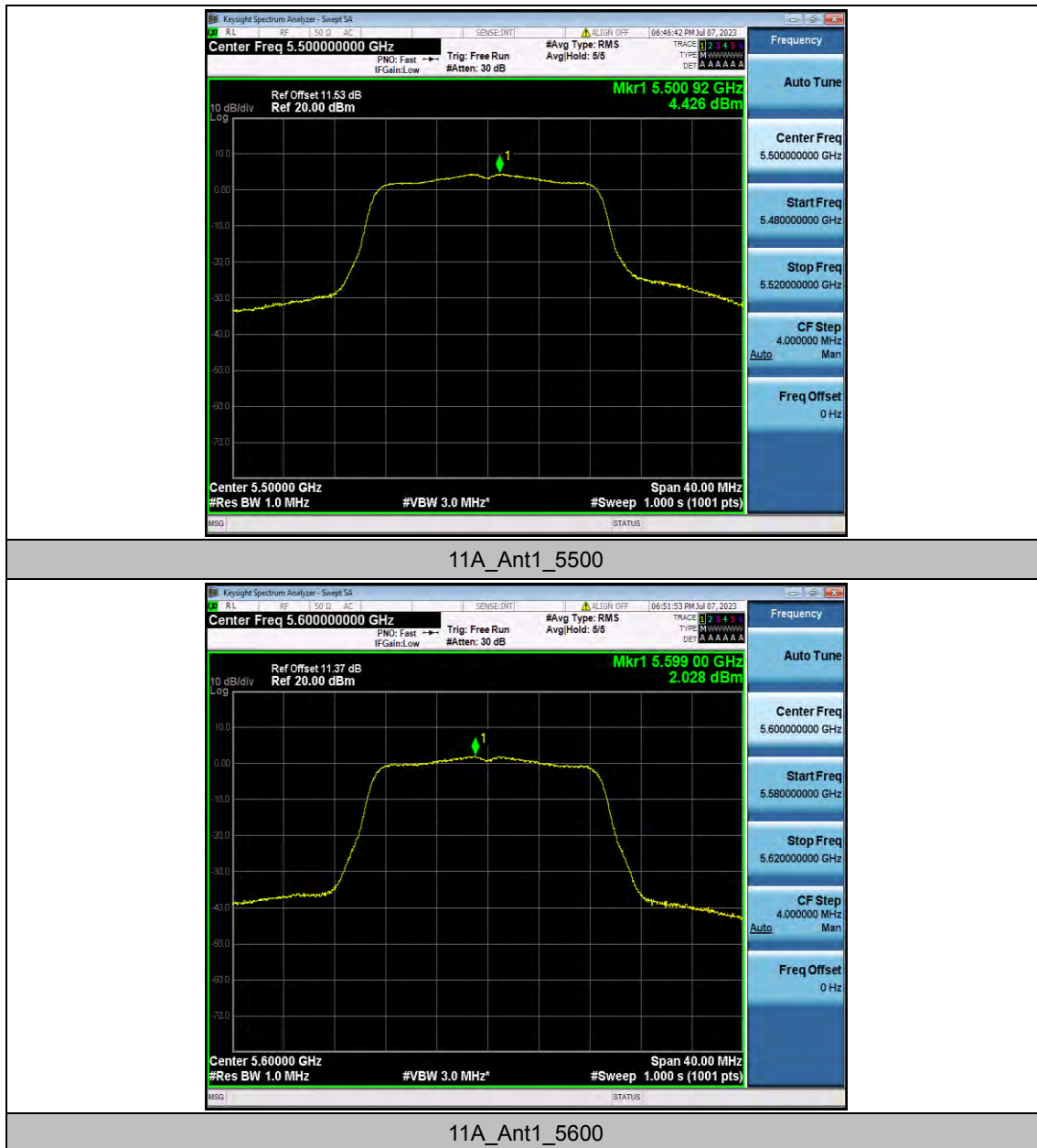
## Appendix F.5: Maximum power spectral density

### Test Result

| Test Mode  | Antenna | Frequency[MHz] | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|----------------|------------------|----------------|---------|
| 11A        | Ant1    | 5500           | 4.43             | $\leq 11.00$   | PASS    |
|            |         | 5600           | 2.03             | $\leq 11.00$   | PASS    |
|            |         | 5700           | 1.75             | $\leq 11.00$   | PASS    |
| 11N20SISO  | Ant1    | 5500           | 2.39             | $\leq 11.00$   | PASS    |
|            |         | 5600           | 2.12             | $\leq 11.00$   | PASS    |
|            |         | 5700           | 1.65             | $\leq 11.00$   | PASS    |
| 11N40SISO  | Ant1    | 5510           | -0.53            | $\leq 11.00$   | PASS    |
|            |         | 5590           | -0.61            | $\leq 11.00$   | PASS    |
|            |         | 5670           | -1.25            | $\leq 11.00$   | PASS    |
| 11AC20SISO | Ant1    | 5500           | 2.27             | $\leq 11.00$   | PASS    |
|            |         | 5600           | 1.94             | $\leq 11.00$   | PASS    |
|            |         | 5700           | 1.83             | $\leq 11.00$   | PASS    |
| 11AC40SISO | Ant1    | 5510           | -0.46            | $\leq 11.00$   | PASS    |
|            |         | 5590           | -0.58            | $\leq 11.00$   | PASS    |
|            |         | 5670           | -0.77            | $\leq 11.00$   | PASS    |
| 11AC80SISO | Ant1    | 5530           | -7.61            | $\leq 11.00$   | PASS    |
|            |         | 5610           | -7.9             | $\leq 11.00$   | 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







## 11N20SISO\_Ant1\_5600



## 11N20SISO\_Ant1\_5700



## 11N40SISO\_Ant1\_5510



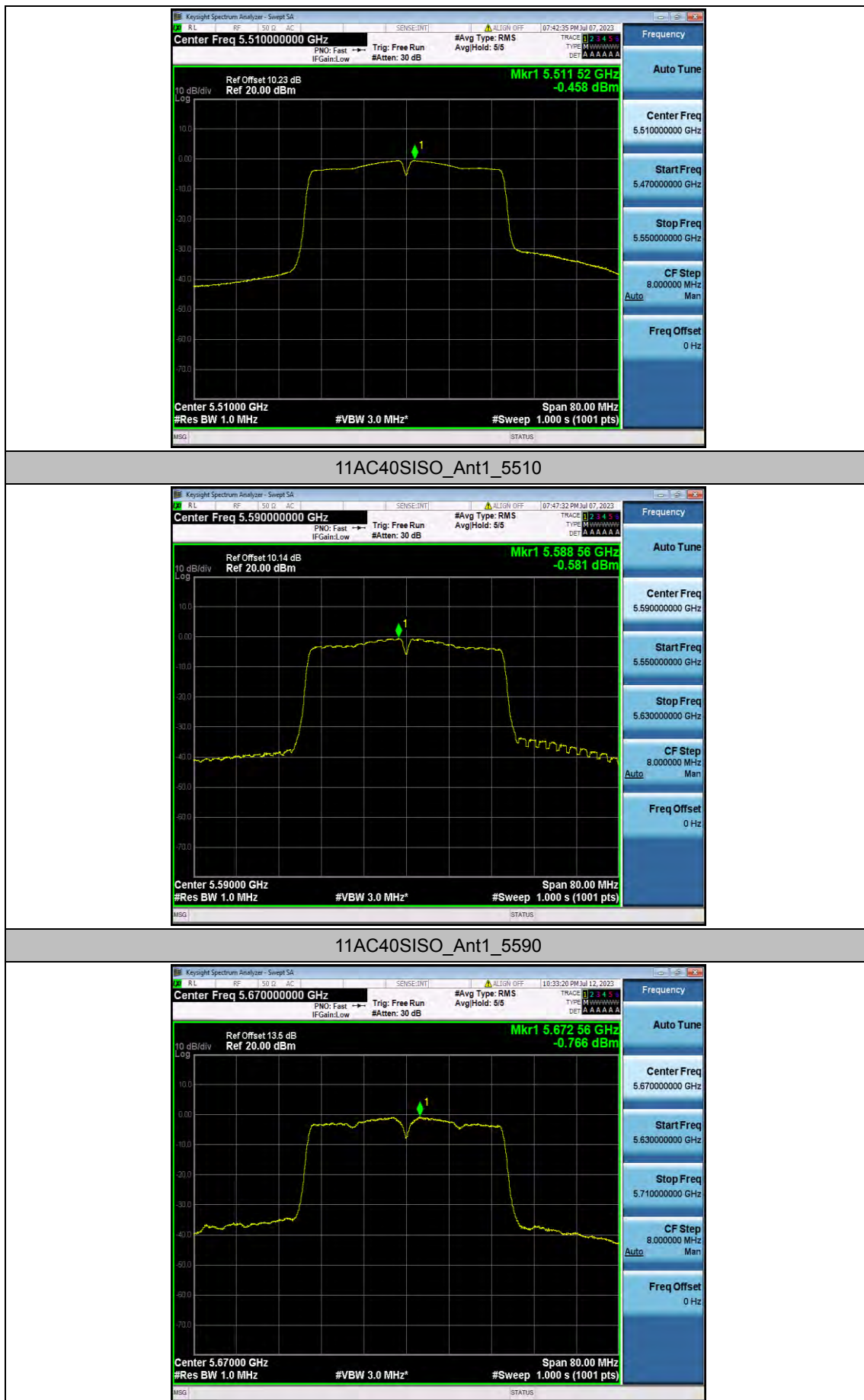
11AC20SISO\_Ant1\_5500



11AC20SISO\_Ant1\_5600



11AC20SISO\_Ant1\_5700





## 11AC40SISO\_Ant1\_5670



## 11AC80SISO\_Ant1\_5530



## 11AC80SISO\_Ant1\_5610