

|                                                       |                                          |
|-------------------------------------------------------|------------------------------------------|
| <b>Case No. :</b> <u>CTA24071502304</u>               |                                          |
| <b>Ambient Condition:</b> <u>23</u> °C, <u>54</u> %RH |                                          |
| <b>According Standard:</b> ■Part15E                   |                                          |
| <b>Test Date:</b> <u>2024.8.4</u>                     | <b>Test Engineer:</b> <u>Lushan Kong</u> |

## Appendix F.1: Emission Bandwidth

### Test Result

| TestMode   | Antenna | Freq(MHz) | 26db EBW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|-----------|-------------------|----------|----------|------------|---------|
| 11A        | Ant1    | 5500      | 20.120            | 5490.000 | 5510.120 | ---        | ---     |
|            |         | 5580      | 20.560            | 5569.920 | 5590.480 | ---        | ---     |
|            |         | 5700      | 20.160            | 5689.800 | 5709.960 | ---        | ---     |
| 11N20SISO  | Ant1    | 5500      | 20.040            | 5489.960 | 5510.000 | ---        | ---     |
|            |         | 5580      | 22.960            | 5568.400 | 5591.360 | ---        | ---     |
|            |         | 5700      | 21.760            | 5688.320 | 5710.080 | ---        | ---     |
| 11N40SISO  | Ant1    | 5510      | 54.960            | 5489.200 | 5544.160 | ---        | ---     |
|            |         | 5590      | 54.080            | 5557.360 | 5611.440 | ---        | ---     |
|            |         | 5670      | 50.400            | 5641.040 | 5691.440 | ---        | ---     |
| 11AC20SISO | Ant1    | 5500      | 21.920            | 5489.840 | 5511.760 | ---        | ---     |
|            |         | 5580      | 20.200            | 5569.880 | 5590.080 | ---        | ---     |
|            |         | 5700      | 21.240            | 5689.120 | 5710.360 | ---        | ---     |
| 11AC40SISO | Ant1    | 5510      | 40.800            | 5489.680 | 5530.480 | ---        | ---     |
|            |         | 5590      | 40.400            | 5569.680 | 5610.080 | ---        | ---     |
|            |         | 5670      | 46.400            | 5644.080 | 5690.480 | ---        | ---     |
| 11AC80SISO | Ant1    | 5530      | 80.800            | 5490.000 | 5570.800 | ---        | ---     |
|            |         | 5610      | 82.880            | 5567.280 | 5650.160 | ---        | ---     |

## Test Graphs

11A\_Ant1\_5500



11A\_Ant1\_5580



11A\_Ant1\_5700



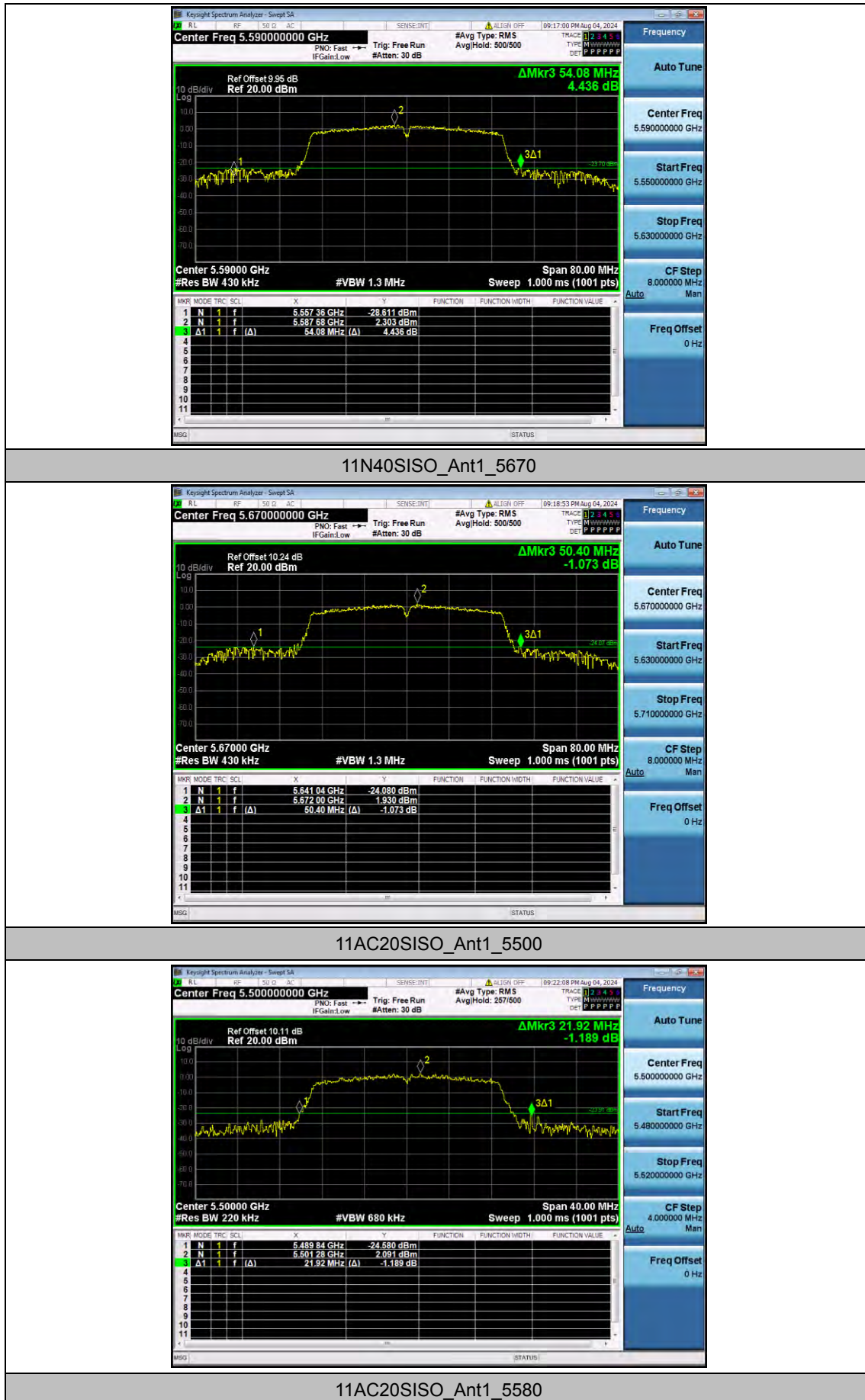
## 11N20SISO\_Ant1\_5700



## 11N40SISO\_Ant1\_5510



## 11N40SISO\_Ant1\_5590





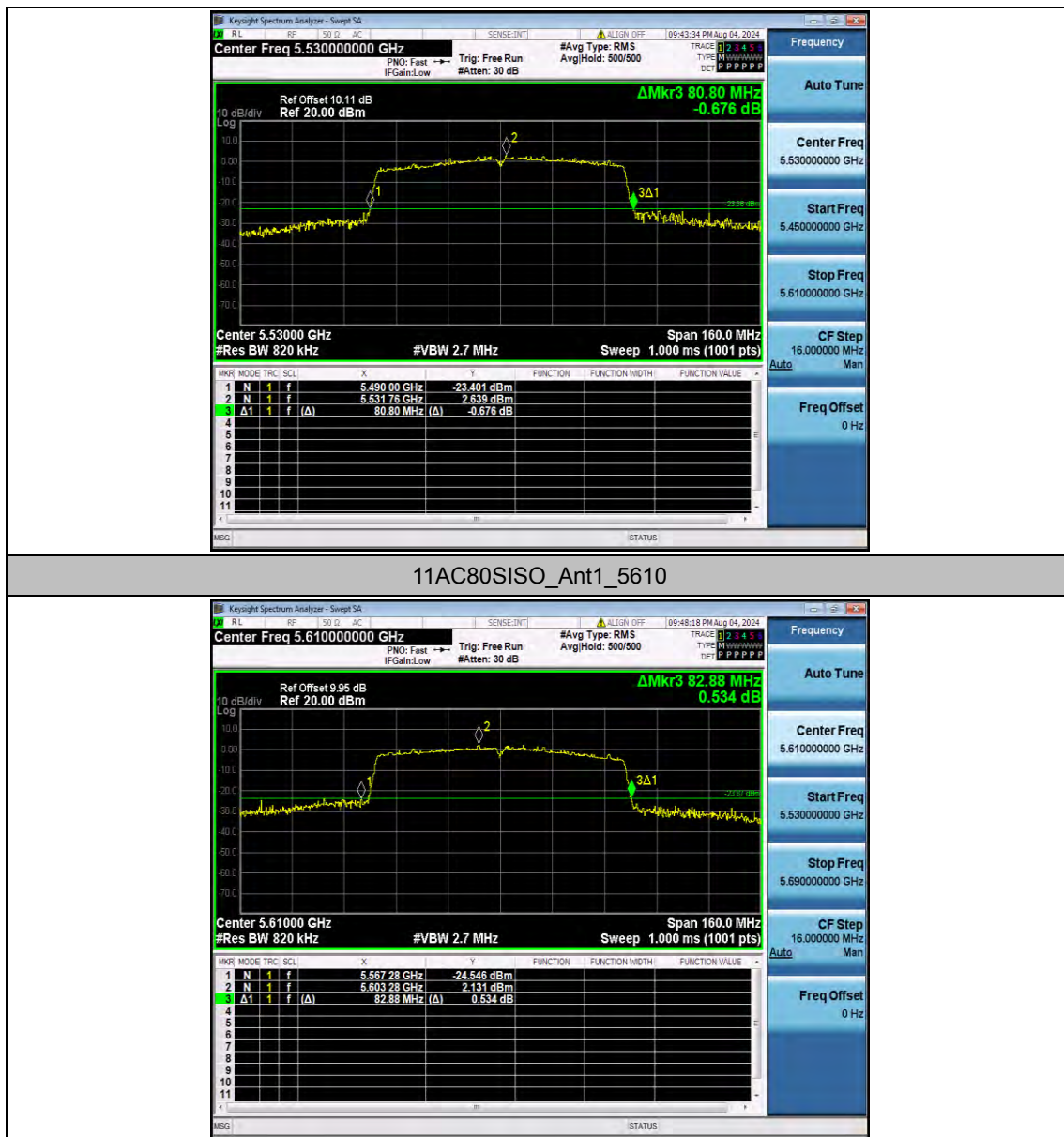
## 11AC40SISO\_Ant1\_5590



## 11AC40SISO\_Ant1\_5670



## 11AC80SISO\_Ant1\_5530

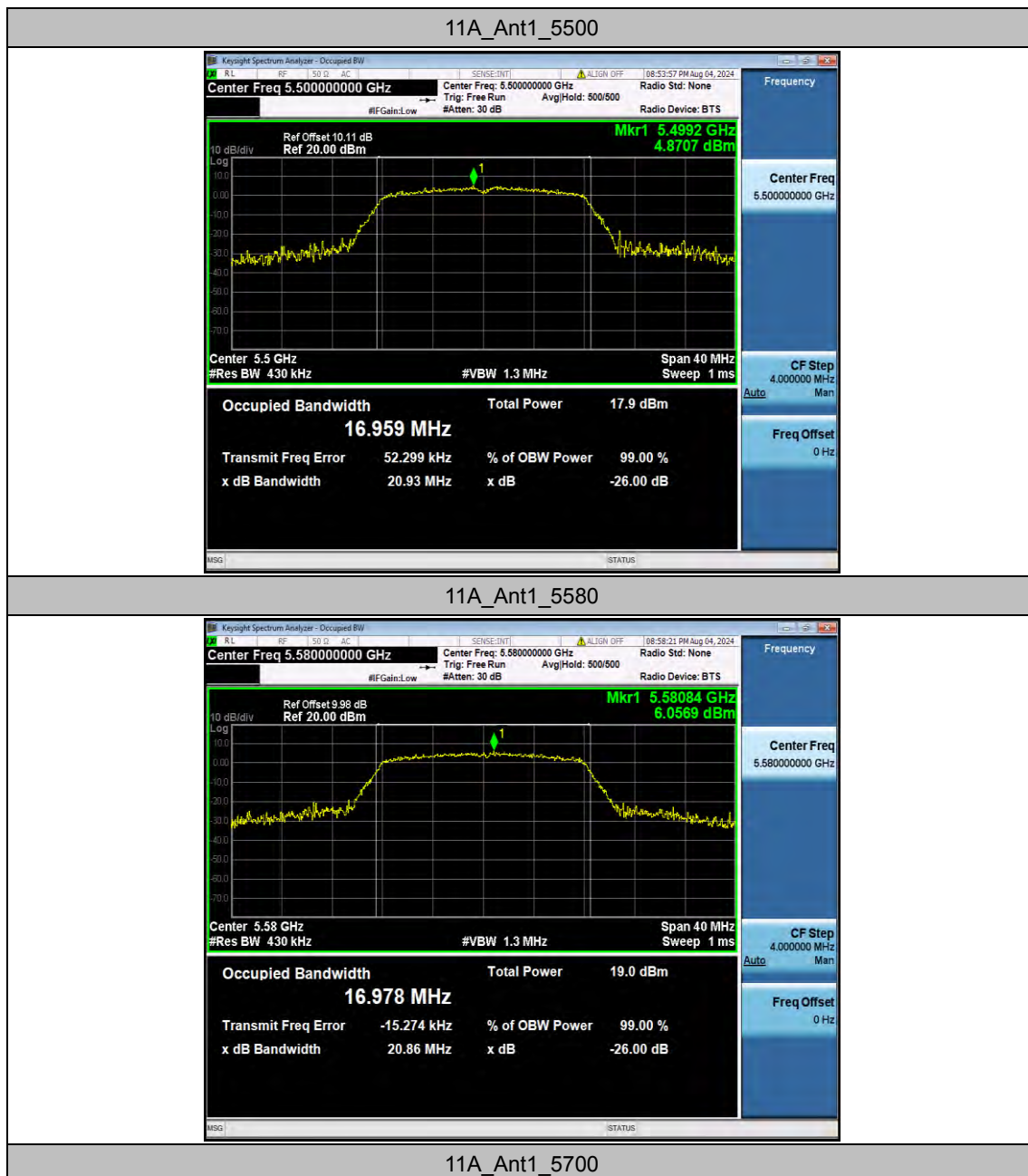


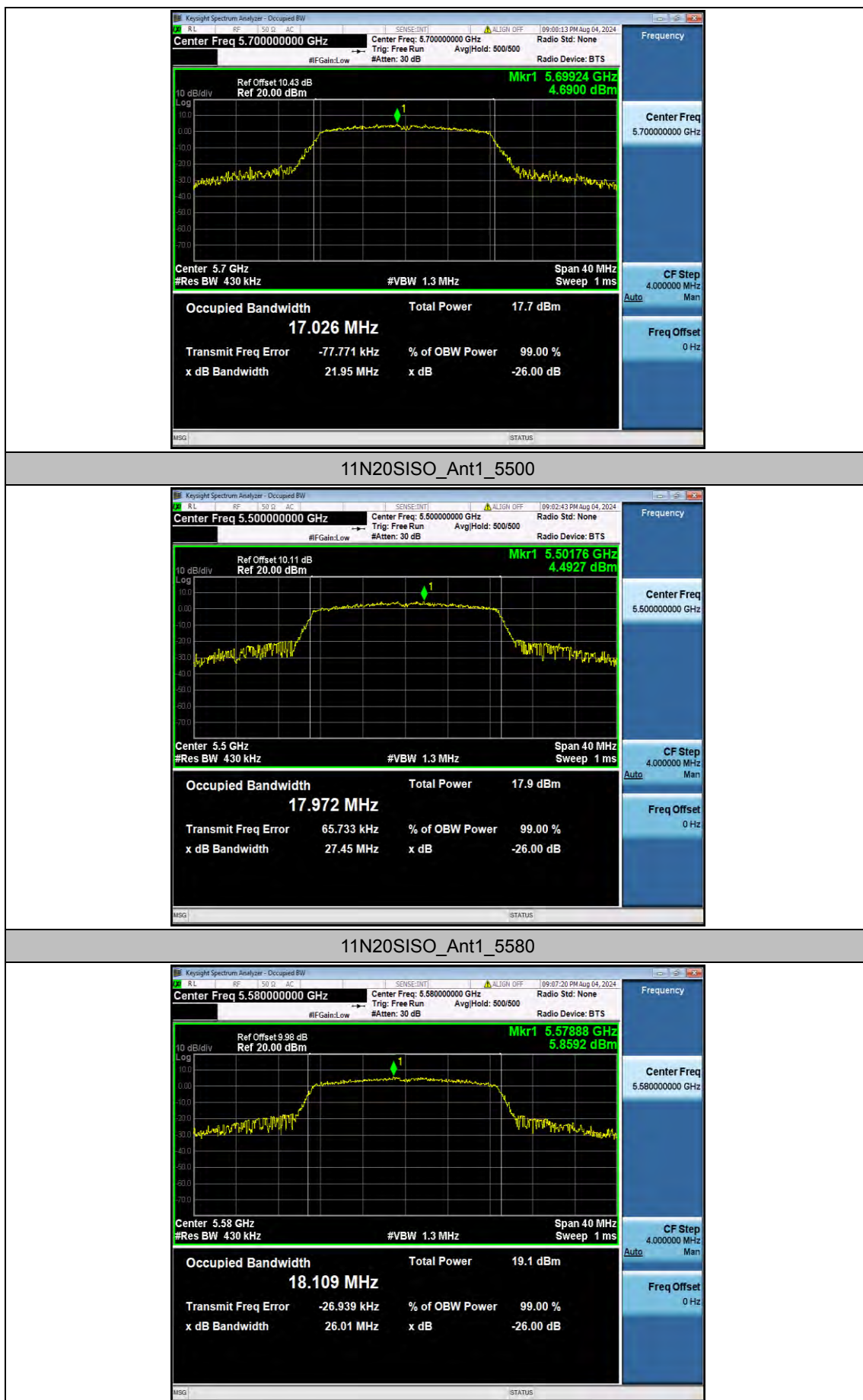
## Appendix F.2: Occupied channel bandwidth

### Test Result

| TestMode   | Antenna | Freq(MHz) | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|------------|---------|-----------|-----------|-----------|-----------|------------|---------|
| 11A        | Ant1    | 5500      | 16.959    | 5491.5728 | 5508.5318 | ---        | ---     |
|            |         | 5580      | 16.978    | 5571.4957 | 5588.4737 | ---        | ---     |
|            |         | 5700      | 17.026    | 5691.4092 | 5708.4352 | ---        | ---     |
| 11N20SISO  | Ant1    | 5500      | 17.972    | 5491.0797 | 5509.0517 | ---        | ---     |
|            |         | 5580      | 18.109    | 5570.9186 | 5589.0276 | ---        | ---     |
|            |         | 5700      | 18.032    | 5690.9140 | 5708.9460 | ---        | ---     |
| 11N40SISO  | Ant1    | 5510      | 36.665    | 5491.8507 | 5528.5157 | ---        | ---     |
|            |         | 5590      | 36.556    | 5571.6758 | 5608.2318 | ---        | ---     |
|            |         | 5670      | 36.735    | 5651.5943 | 5688.3293 | ---        | ---     |
| 11AC20SISO | Ant1    | 5500      | 17.928    | 5491.0569 | 5508.9849 | ---        | ---     |
|            |         | 5580      | 17.984    | 5570.9911 | 5588.9751 | ---        | ---     |
|            |         | 5700      | 17.917    | 5690.9984 | 5708.9154 | ---        | ---     |
| 11AC40SISO | Ant1    | 5510      | 36.452    | 5491.9528 | 5528.4048 | ---        | ---     |
|            |         | 5590      | 36.407    | 5571.7530 | 5608.1600 | ---        | ---     |
|            |         | 5670      | 36.402    | 5651.7608 | 5688.1628 | ---        | ---     |
| 11AC80SISO | Ant1    | 5530      | 75.179    | 5492.7596 | 5567.9386 | ---        | ---     |
|            |         | 5610      | 75.404    | 5572.0422 | 5647.4462 | ---        | ---     |

## Test Graphs

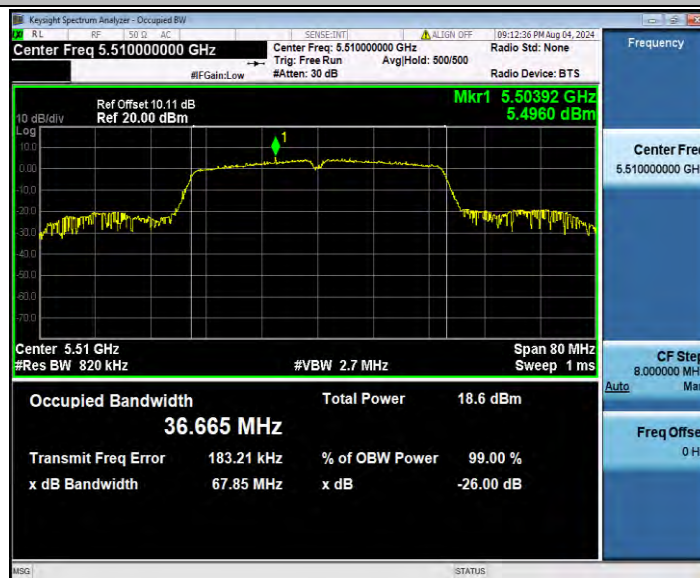




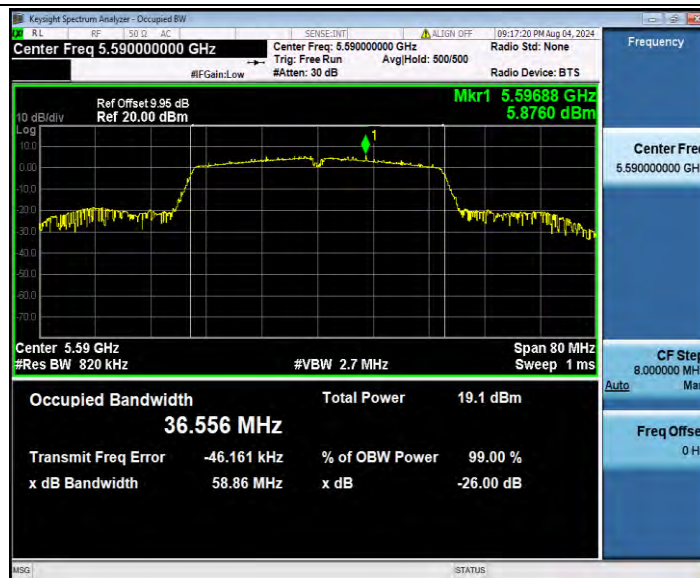
## 11N20SISO\_Ant1\_5700



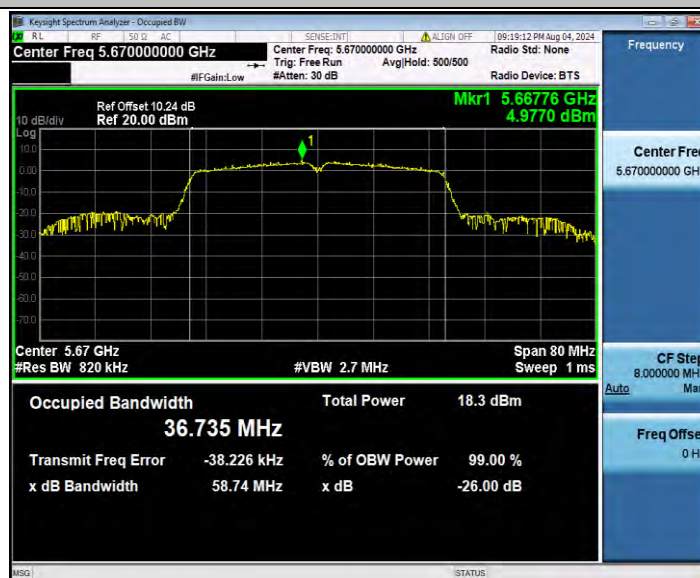
## 11N40SISO\_Ant1\_5510



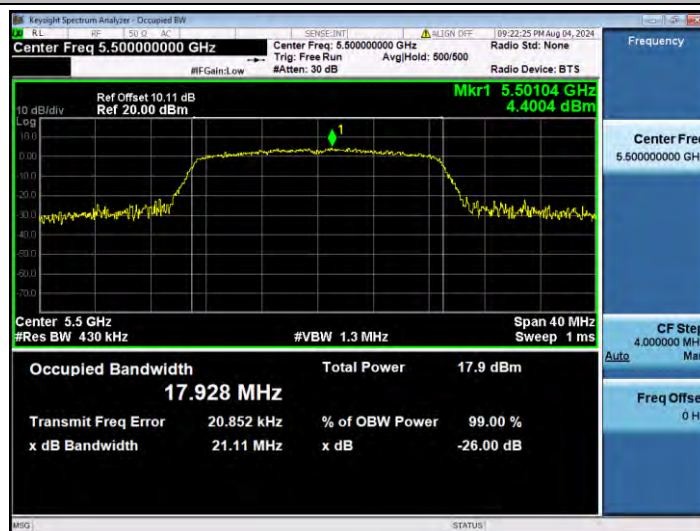
## 11N40SISO\_Ant1\_5590



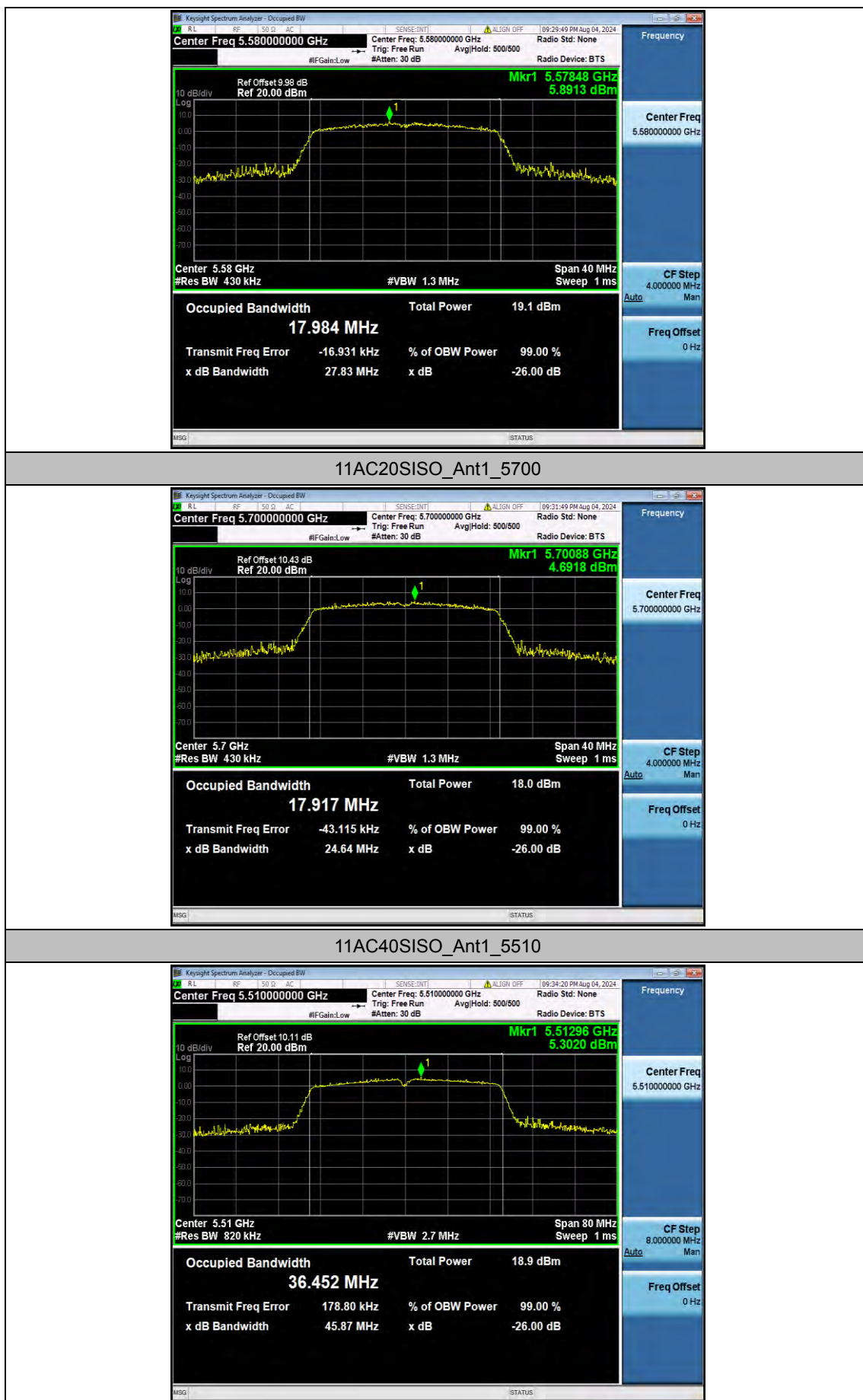
11N40SISO\_Ant1\_5670



11AC20SISO\_Ant1\_5500



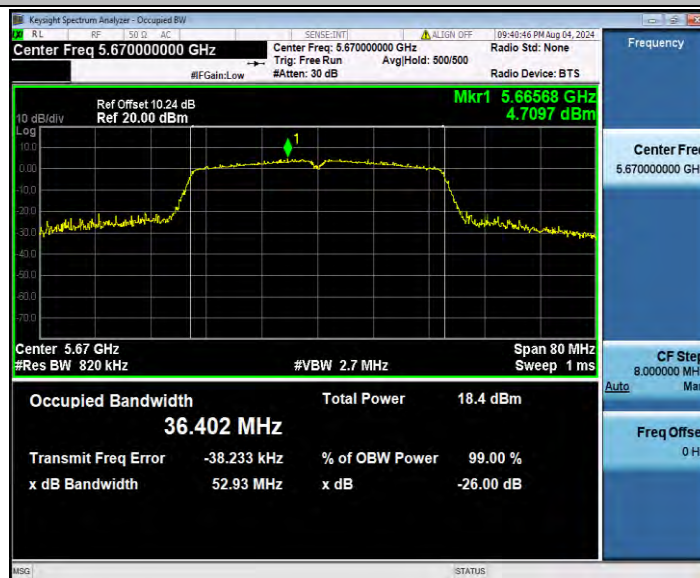
11AC20SISO\_Ant1\_5580



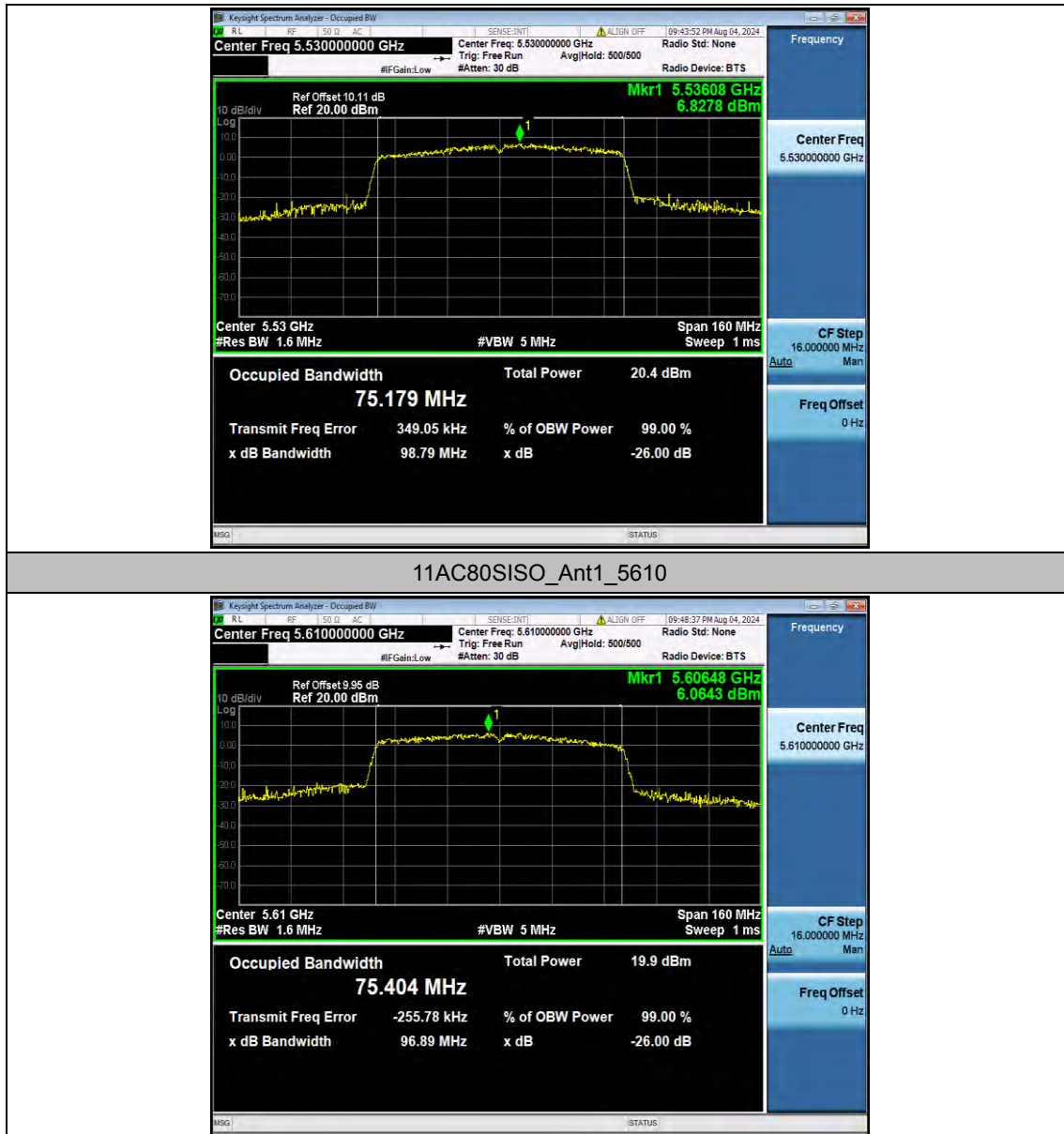
## 11AC40SISO\_Ant1\_5590



## 11AC40SISO\_Ant1\_5670



## 11AC80SISO\_Ant1\_5530

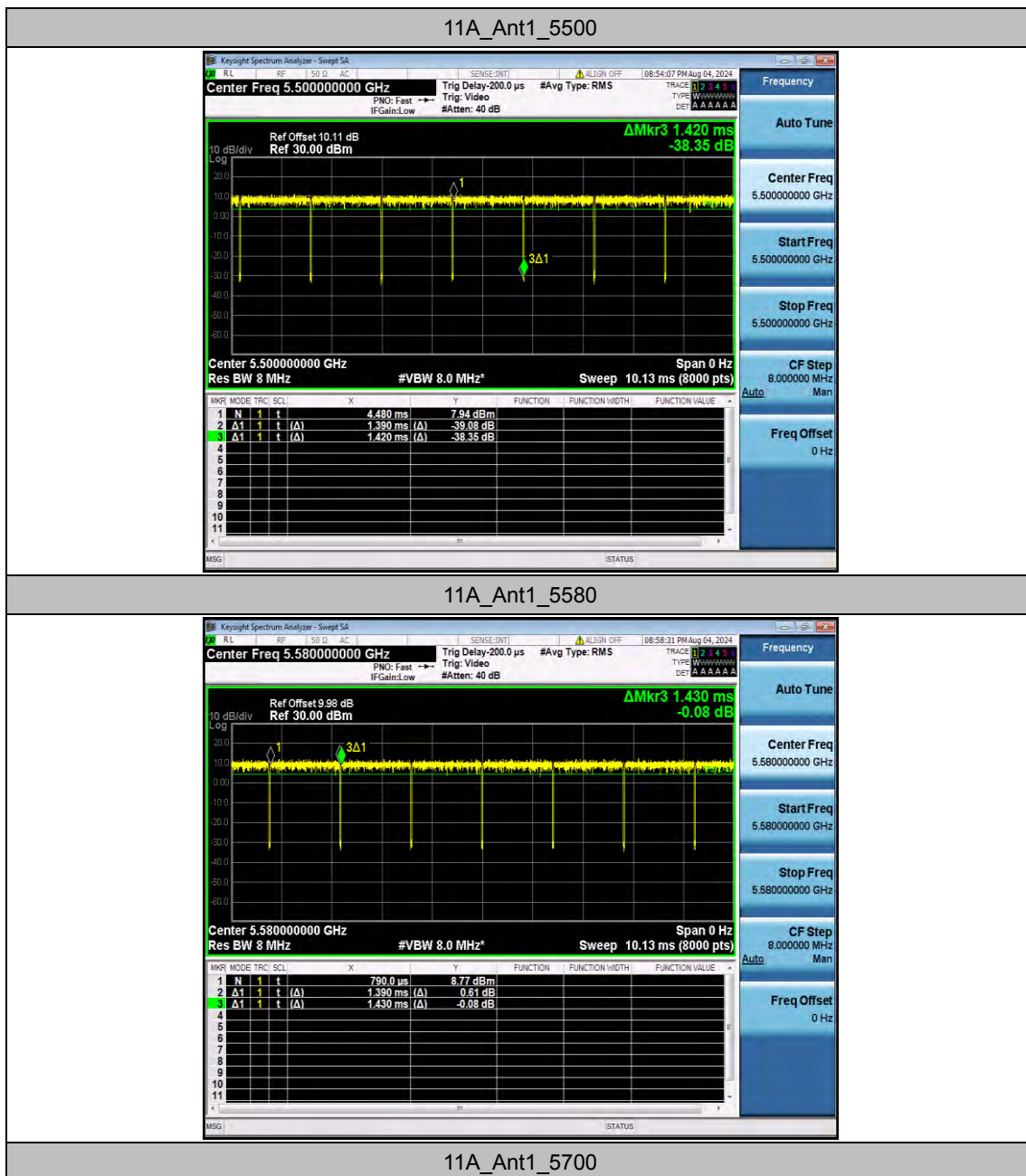


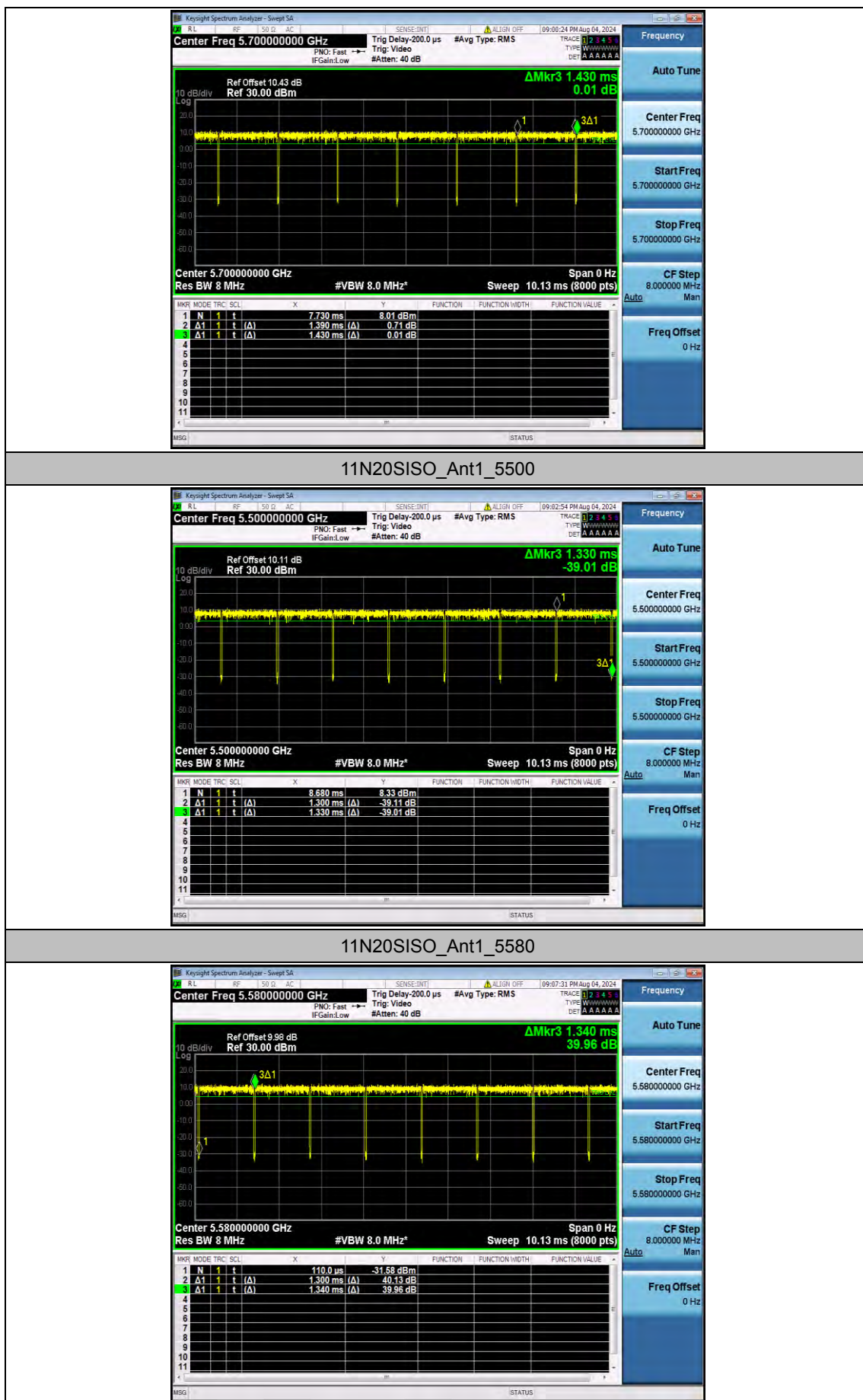
## Appendix F.3: Duty Cycle

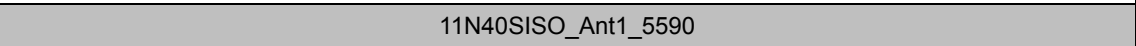
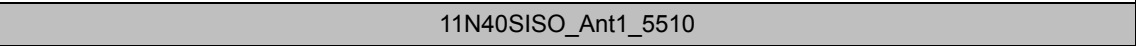
### Test Result

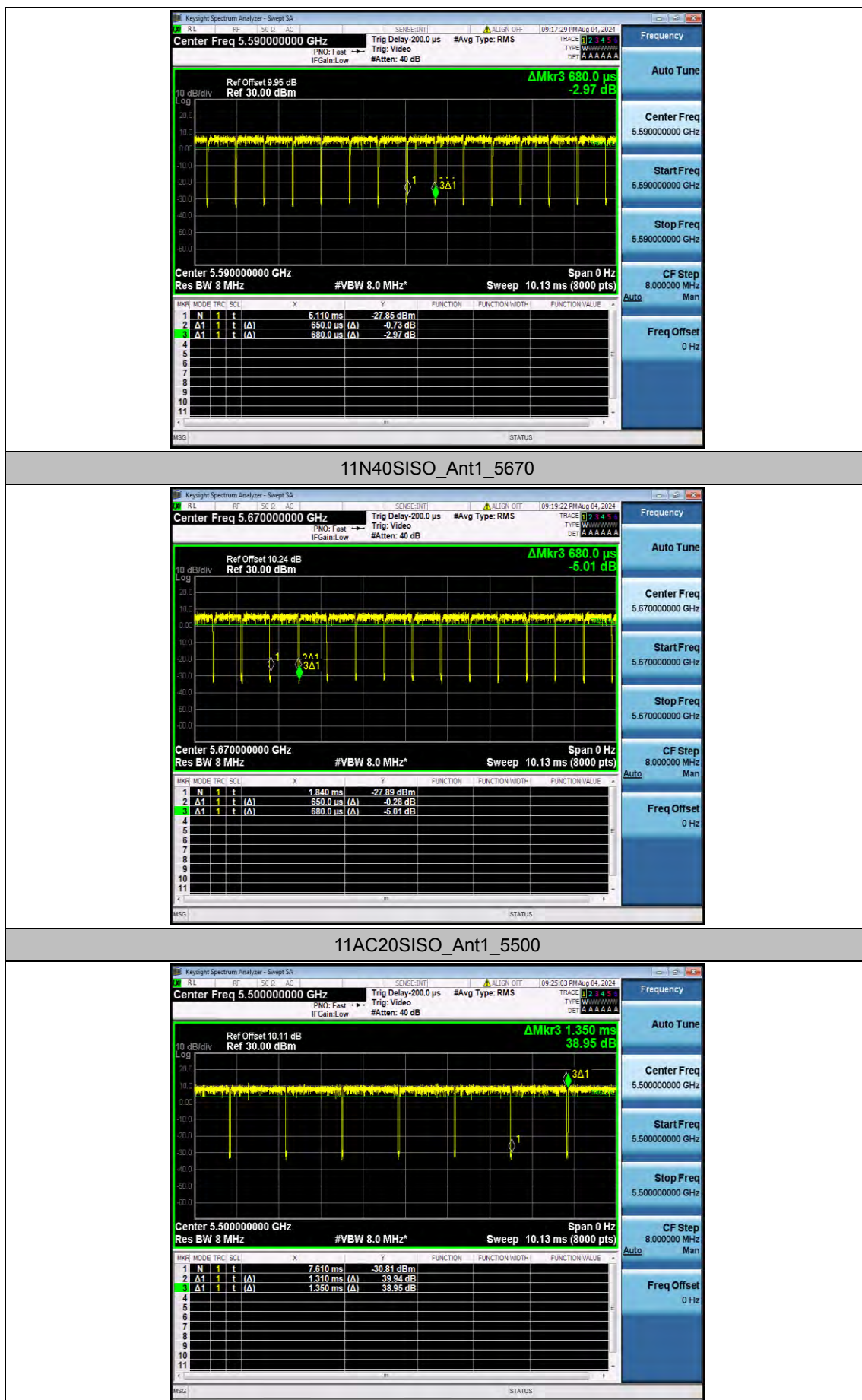
| TestMode   | Antenna | Freq(MHz) | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Duty Cycle Factor[dB] | 1/T Factor[KHz] |
|------------|---------|-----------|----------------------------|--------------------------|----------------|-----------------------|-----------------|
| 11A        | Ant1    | 5500      | 1.39                       | 1.42                     | 97.89          | 0.09                  | 0.72            |
|            |         | 5580      | 1.39                       | 1.43                     | 97.20          | 0.12                  | 0.72            |
|            |         | 5700      | 1.39                       | 1.43                     | 97.20          | 0.12                  | 0.72            |
| 11N20SISO  | Ant1    | 5500      | 1.30                       | 1.33                     | 97.74          | 0.10                  | 0.77            |
|            |         | 5580      | 1.30                       | 1.34                     | 97.01          | 0.13                  | 0.77            |
|            |         | 5700      | 1.30                       | 1.34                     | 97.01          | 0.13                  | 0.77            |
| 11N40SISO  | Ant1    | 5510      | 0.64                       | 0.68                     | 94.12          | 0.26                  | 1.56            |
|            |         | 5590      | 0.65                       | 0.68                     | 95.59          | 0.20                  | 1.54            |
|            |         | 5670      | 0.65                       | 0.68                     | 95.59          | 0.20                  | 1.54            |
| 11AC20SISO | Ant1    | 5500      | 1.31                       | 1.35                     | 97.04          | 0.13                  | 0.76            |
|            |         | 5580      | 1.31                       | 1.35                     | 97.04          | 0.13                  | 0.76            |
|            |         | 5700      | 1.31                       | 1.35                     | 97.04          | 0.13                  | 0.76            |
| 11AC40SISO | Ant1    | 5510      | 0.65                       | 0.68                     | 95.59          | 0.20                  | 1.54            |
|            |         | 5590      | 0.65                       | 0.69                     | 94.20          | 0.26                  | 1.54            |
|            |         | 5670      | 0.66                       | 0.69                     | 95.65          | 0.19                  | 1.52            |
| 11AC80SISO | Ant1    | 5530      | 0.33                       | 0.36                     | 91.67          | 0.38                  | 3.03            |
|            |         | 5610      | 0.32                       | 0.35                     | 91.43          | 0.39                  | 3.13            |

## Test Graphs

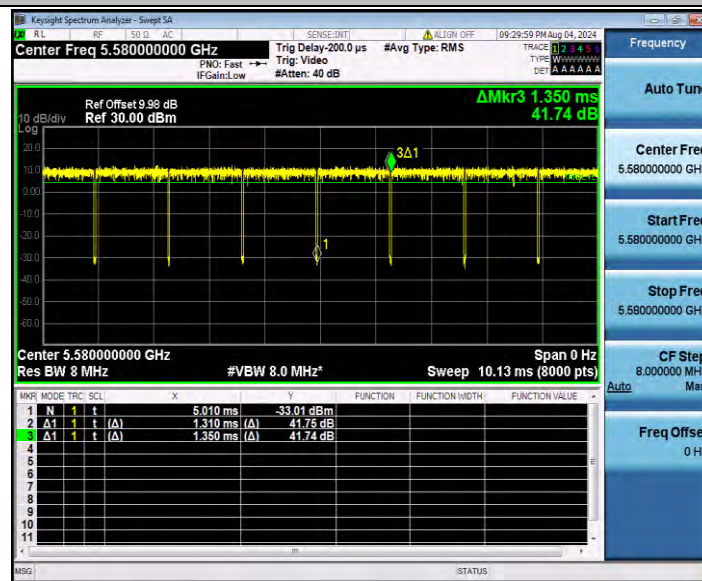




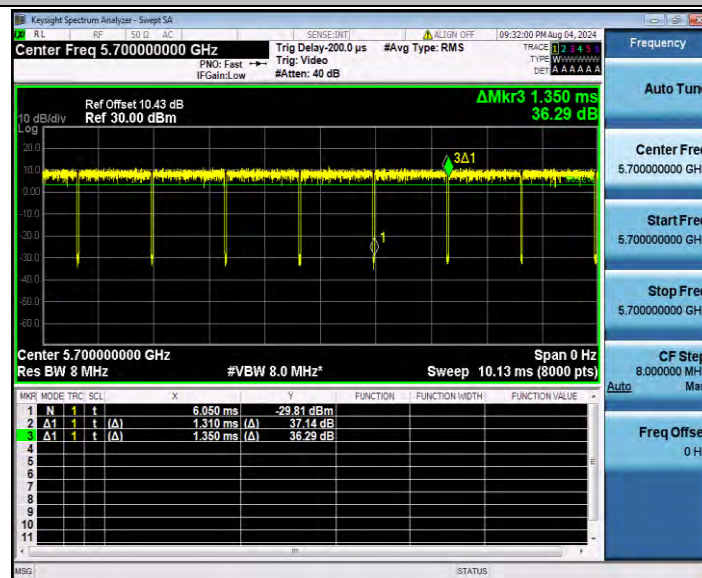




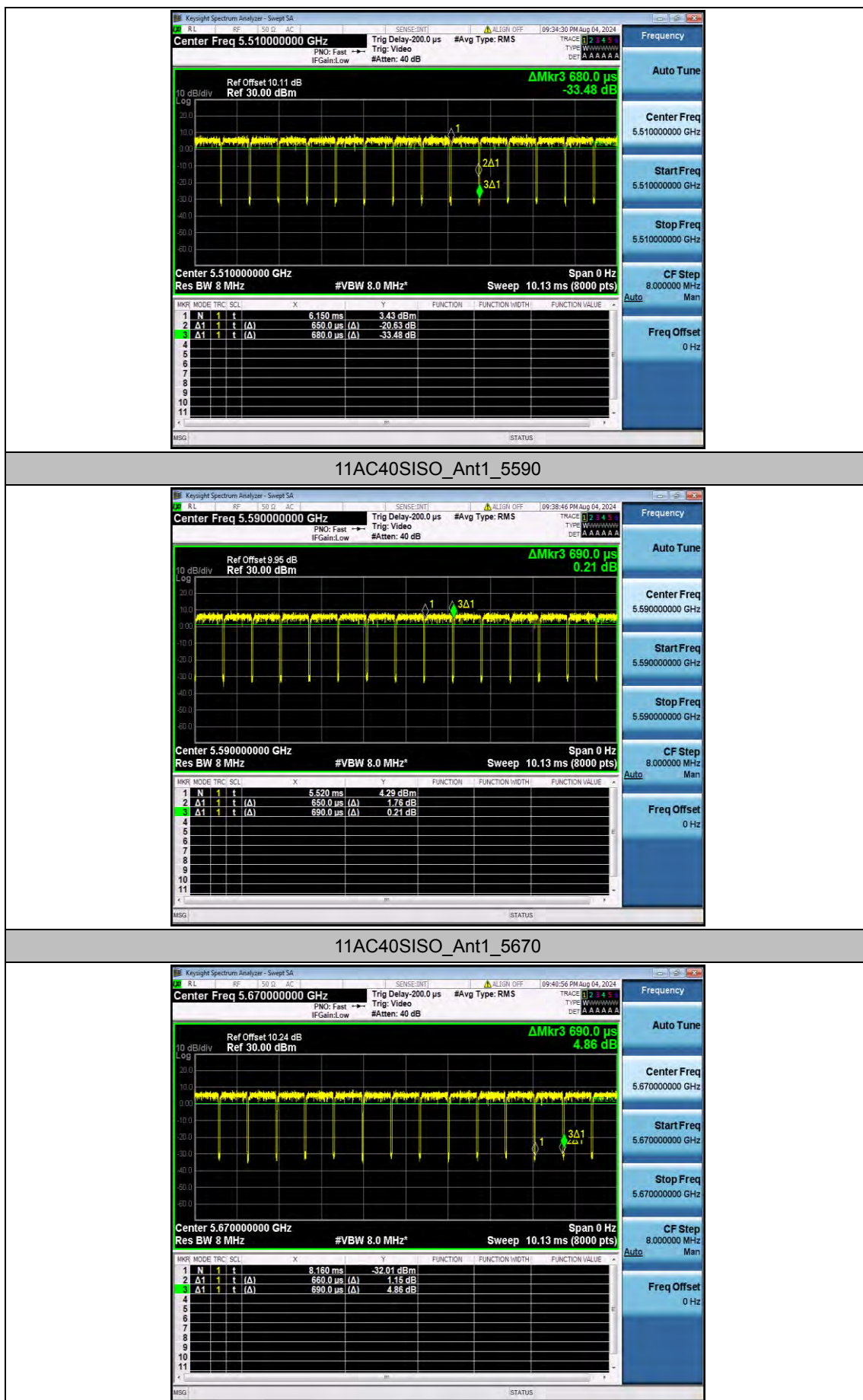
## 11AC20SISO\_Ant1\_5580



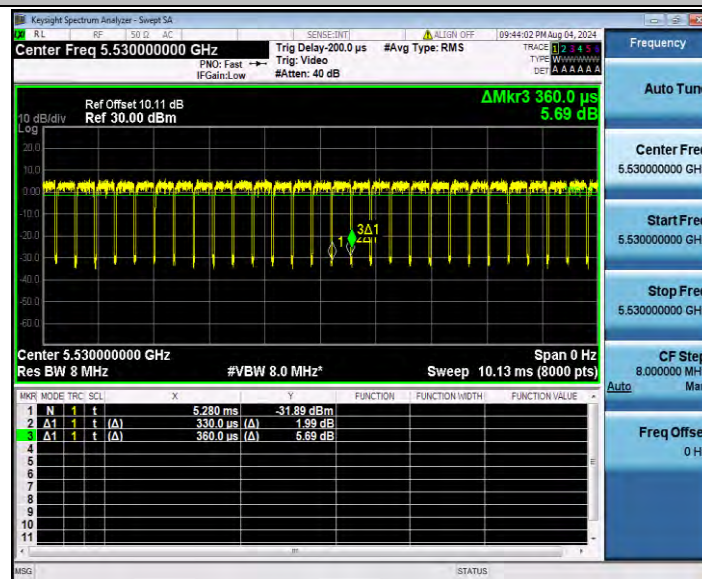
## 11AC20SISO\_Ant1\_5700



## 11AC40SISO\_Ant1\_5510



## 11AC80SISO\_Ant1\_5530



## 11AC80SISO\_Ant1\_5610

