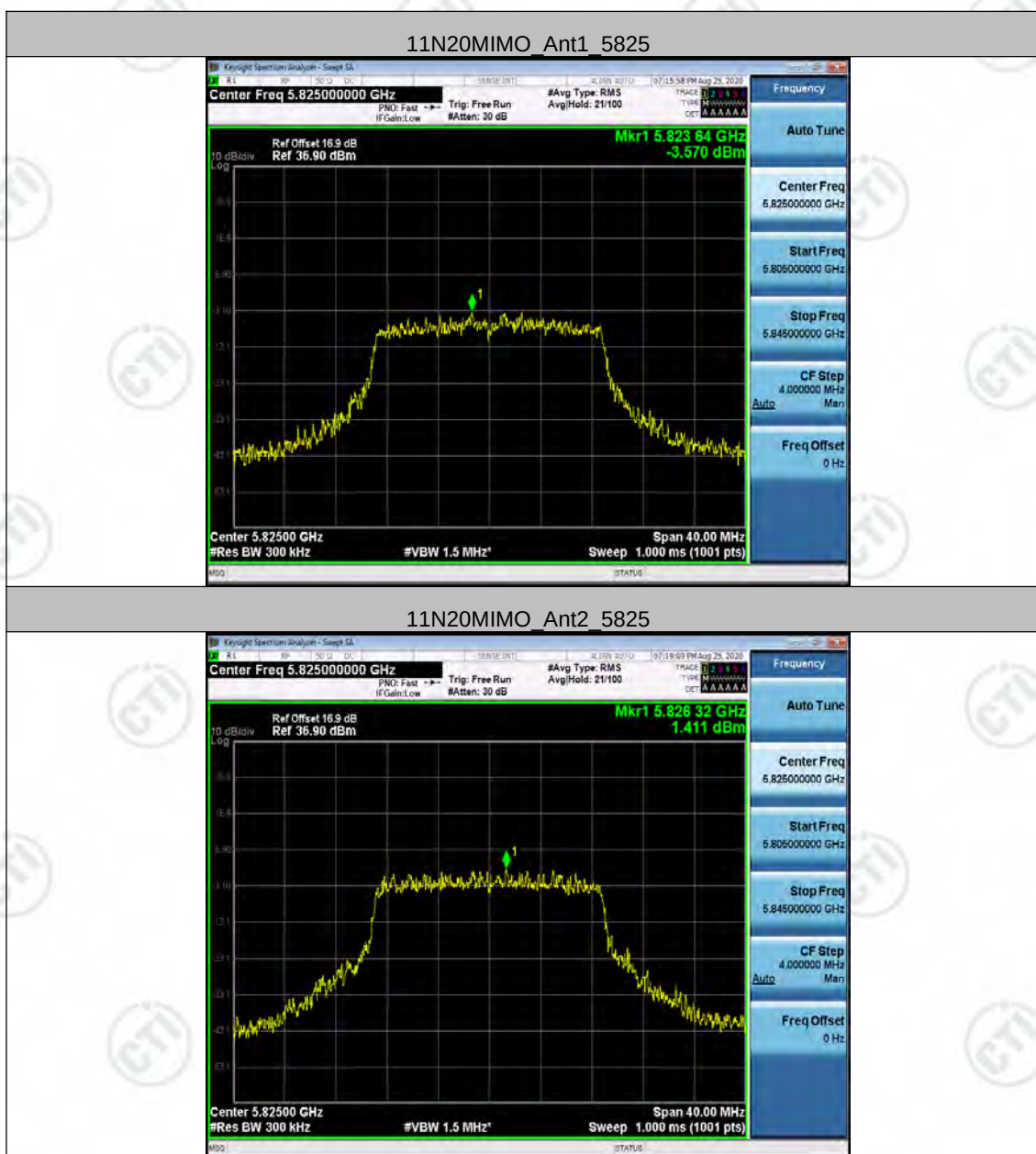
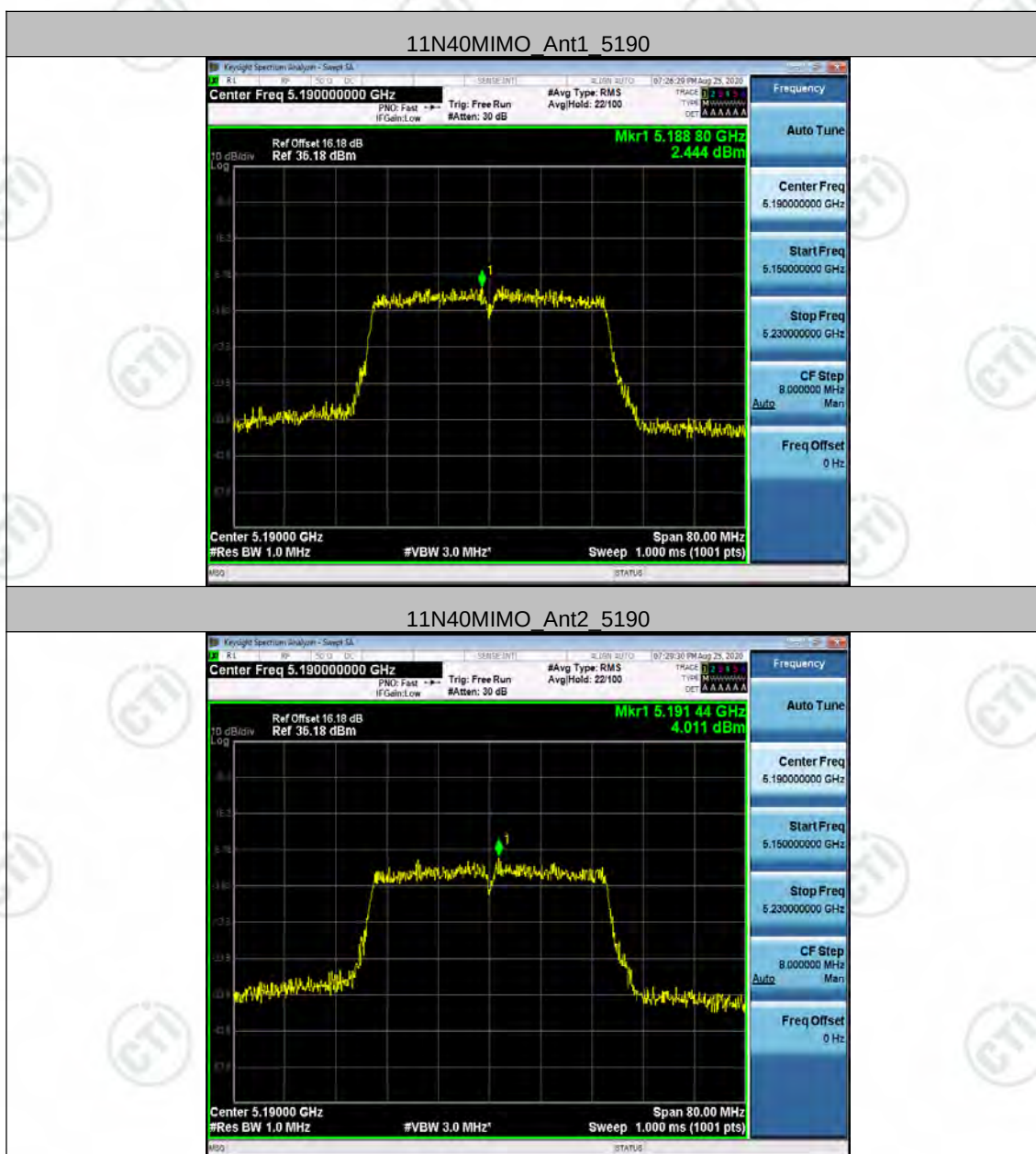
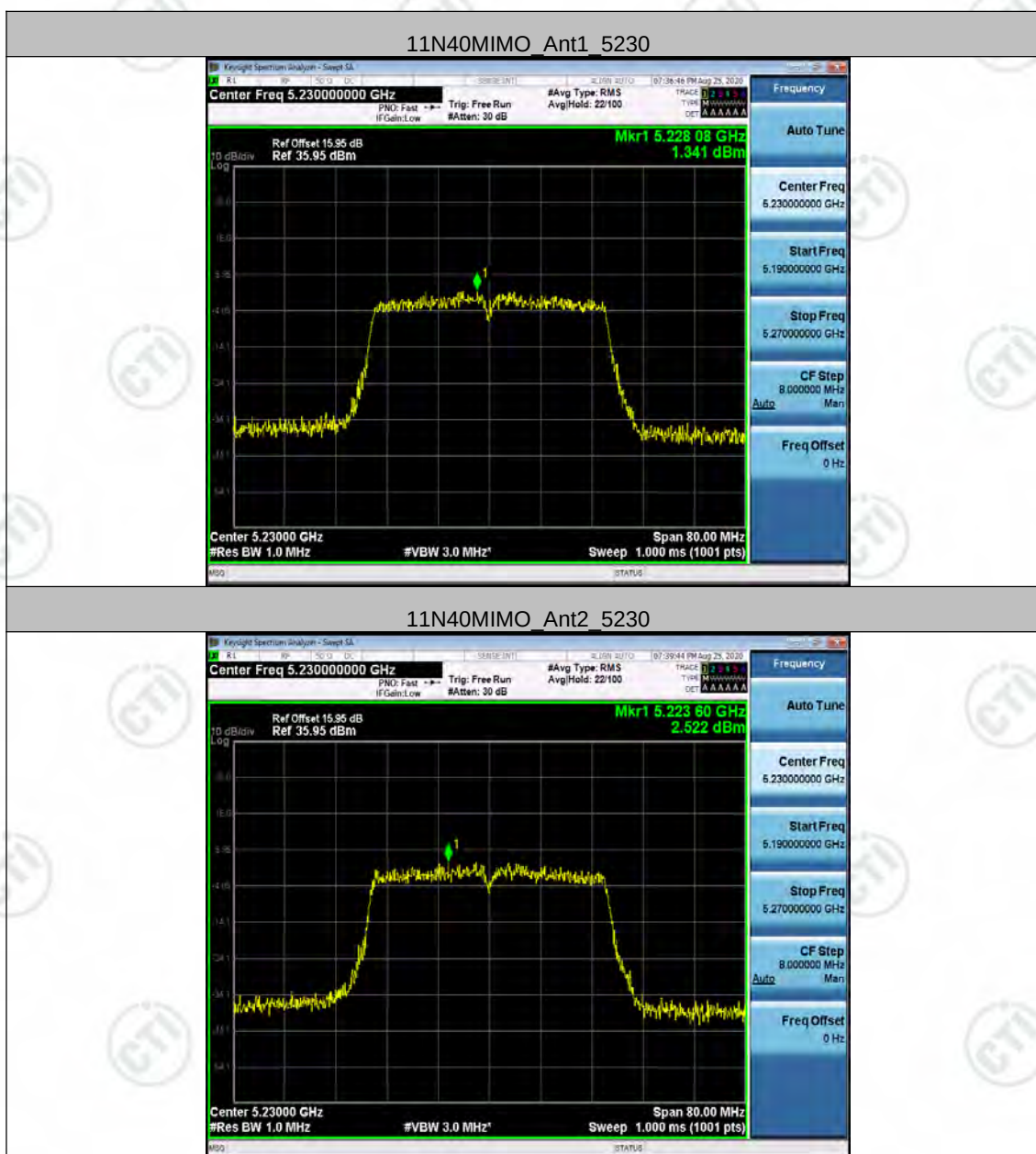
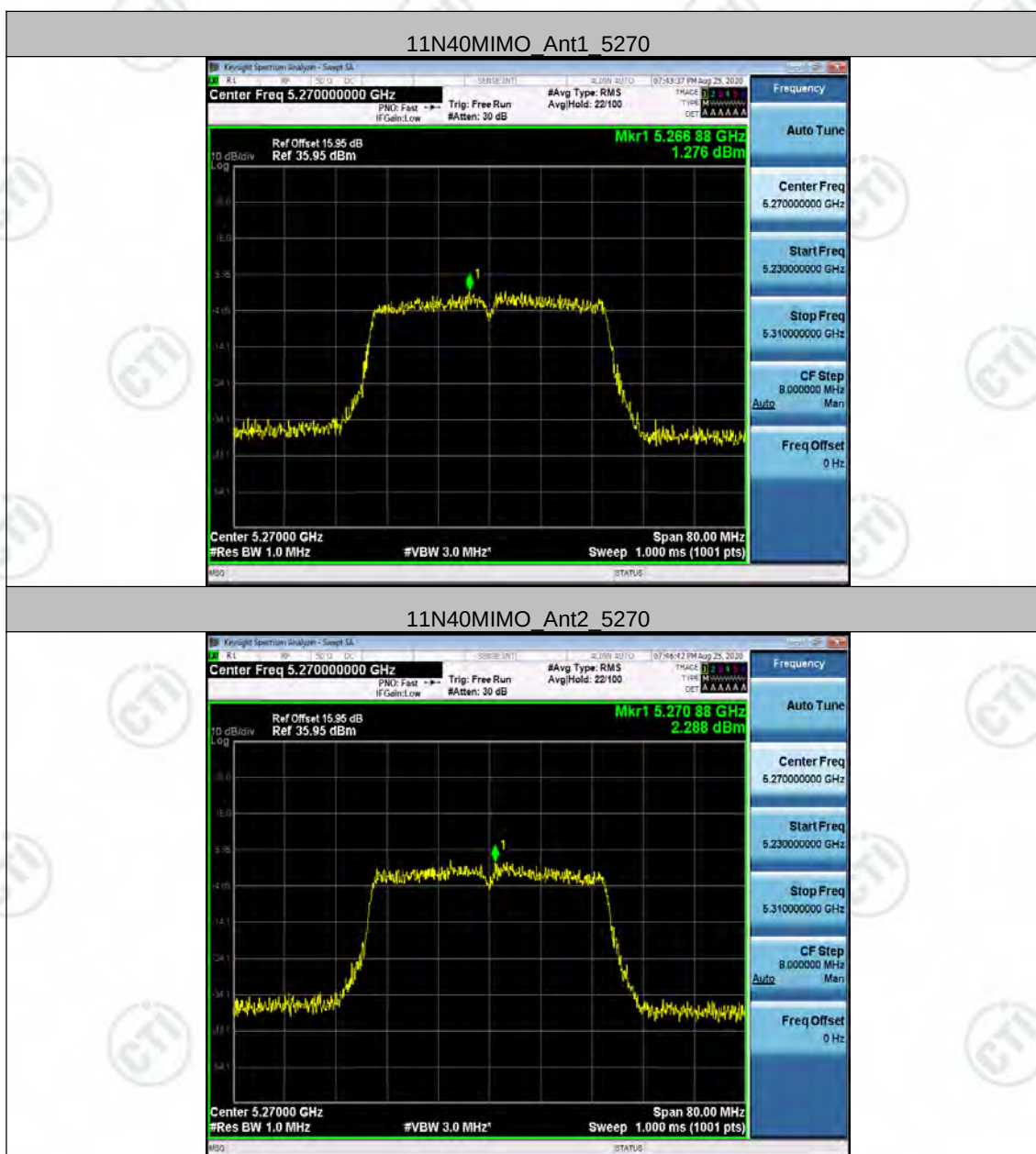


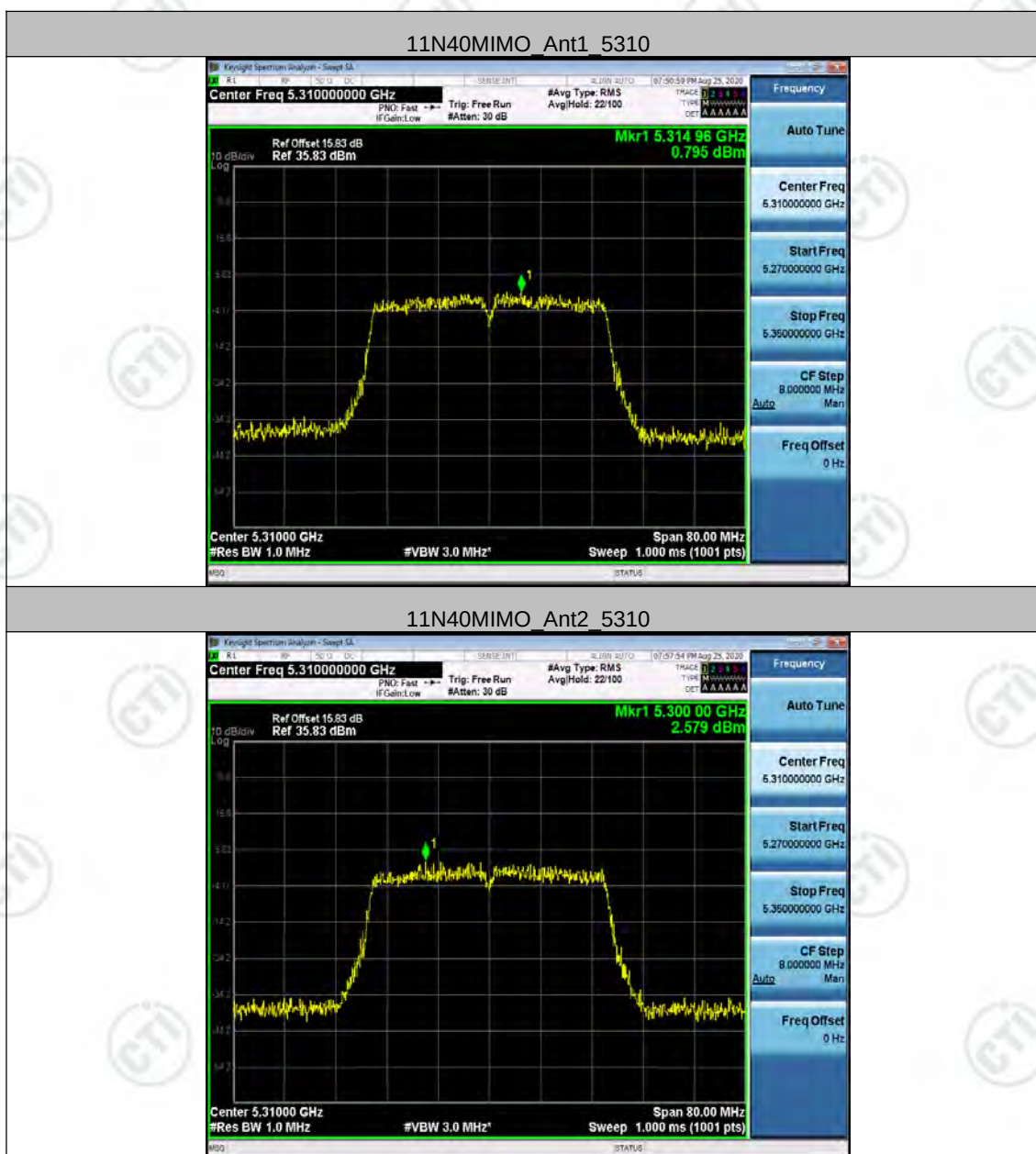


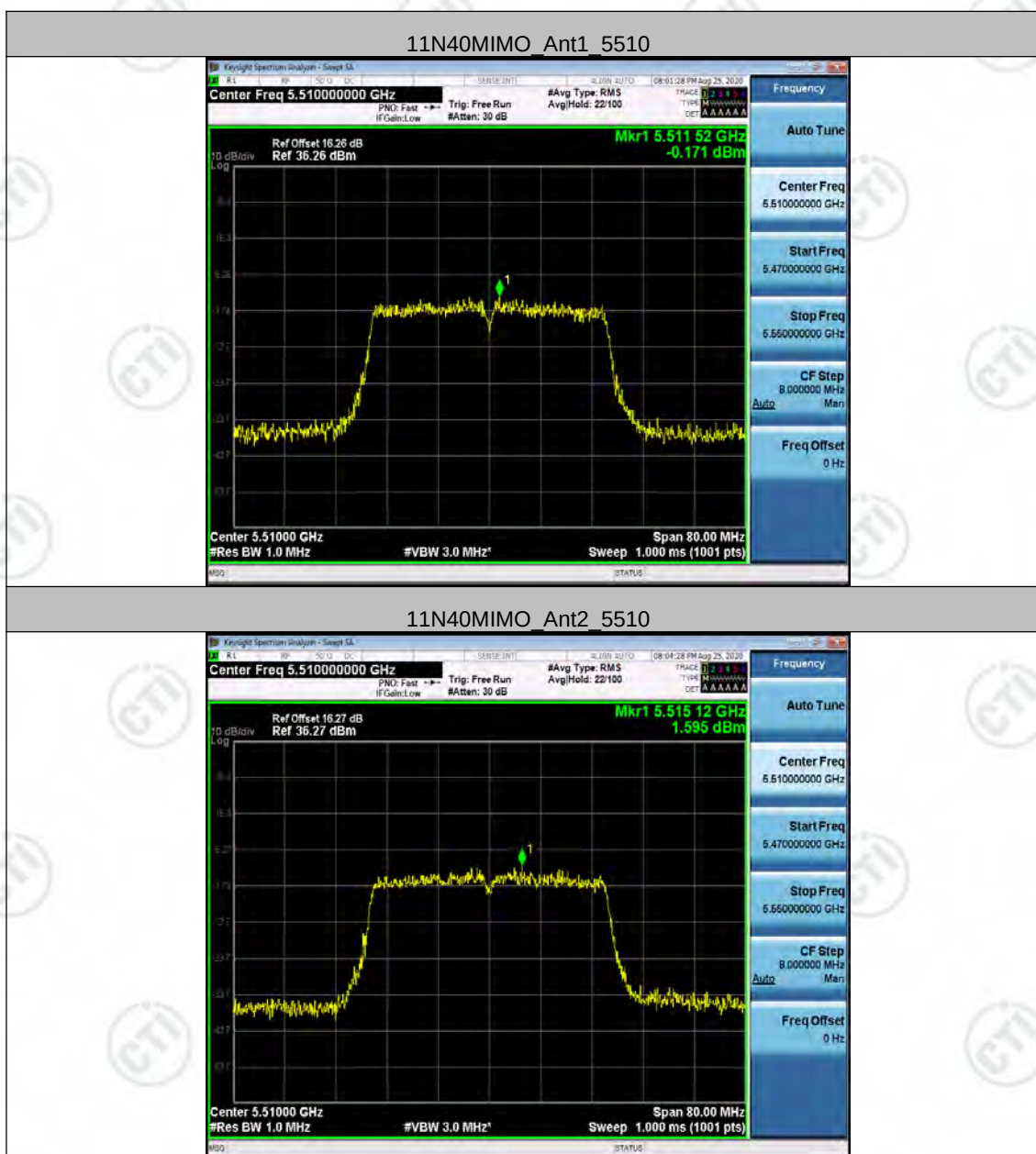




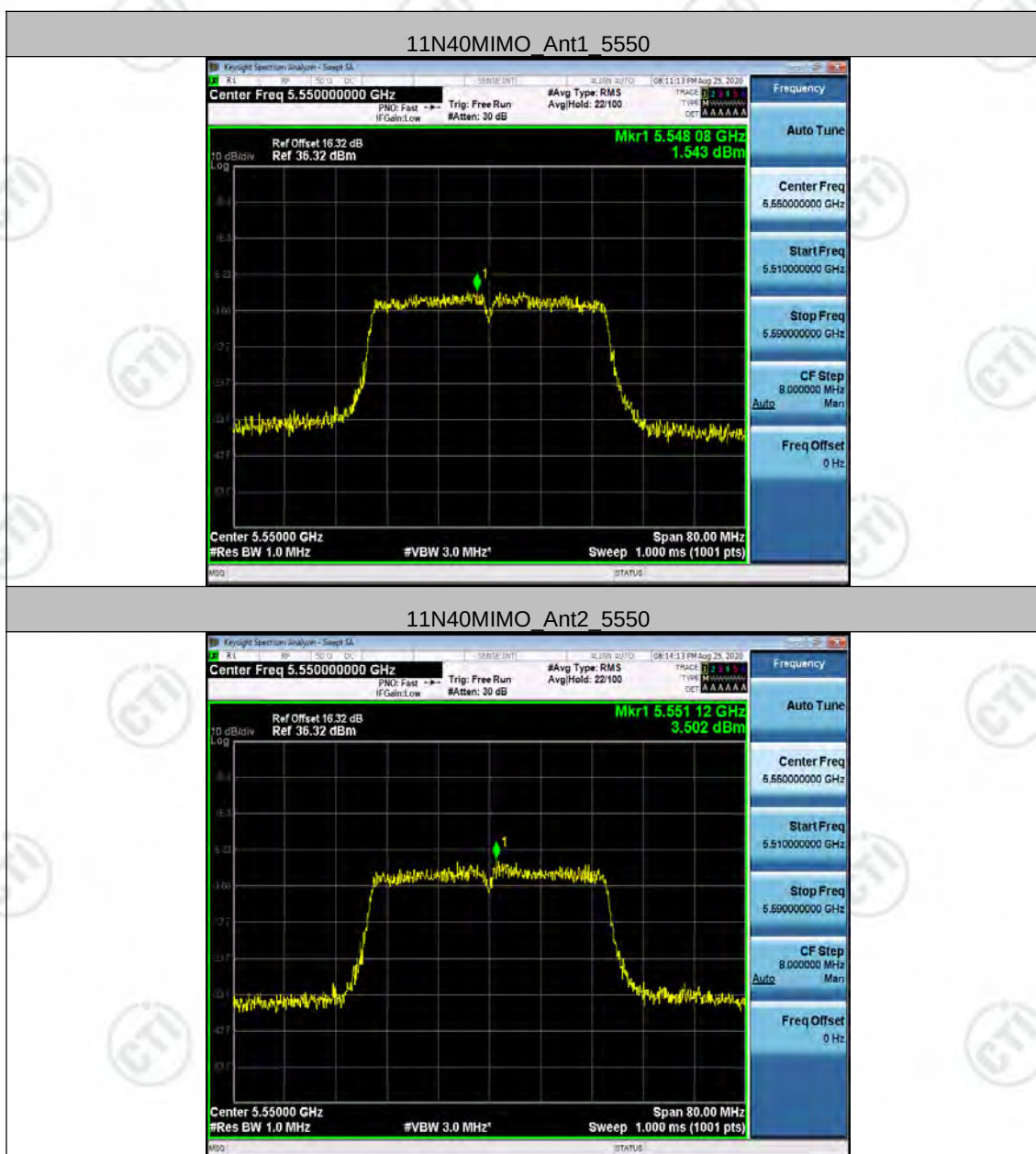


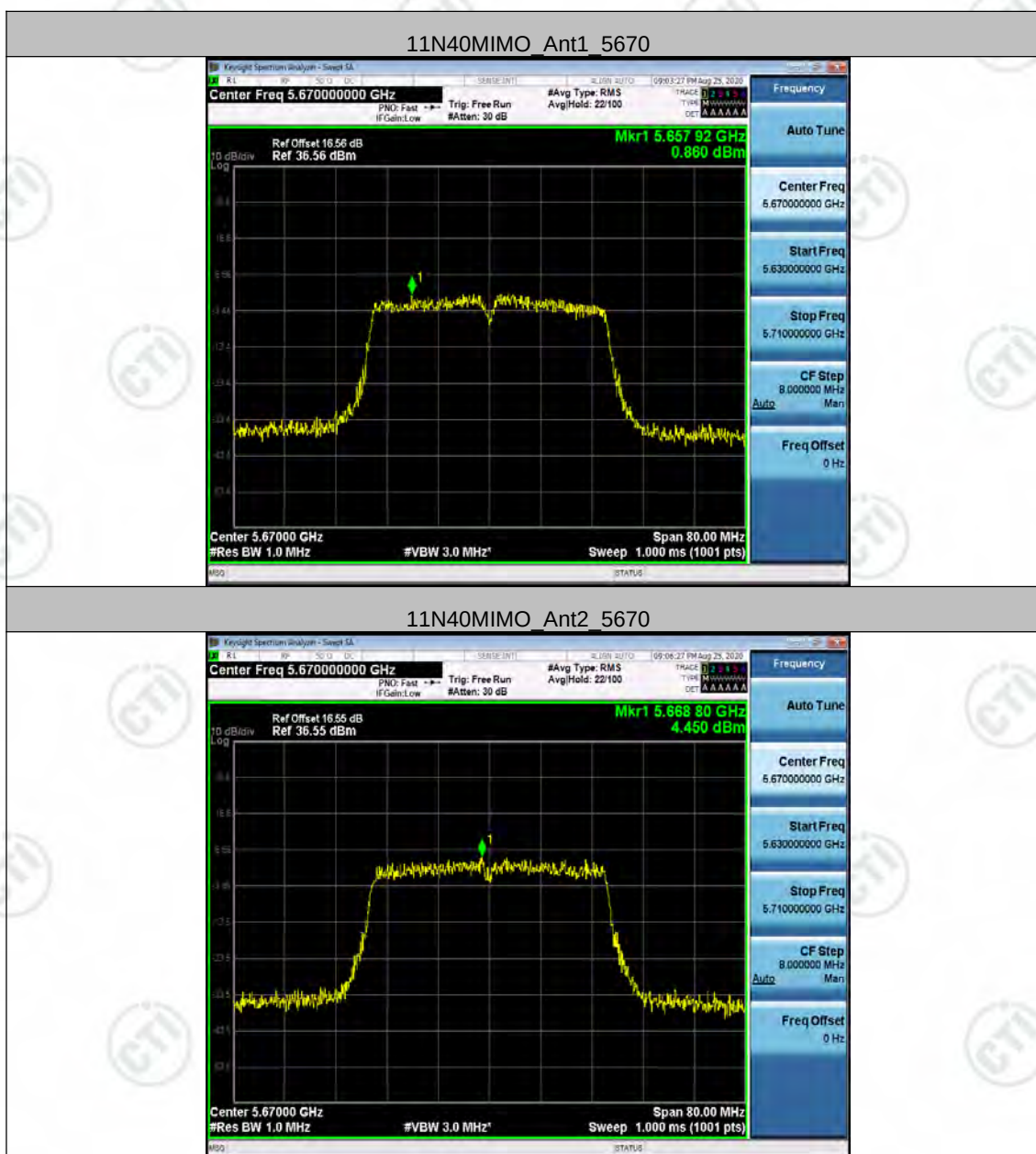




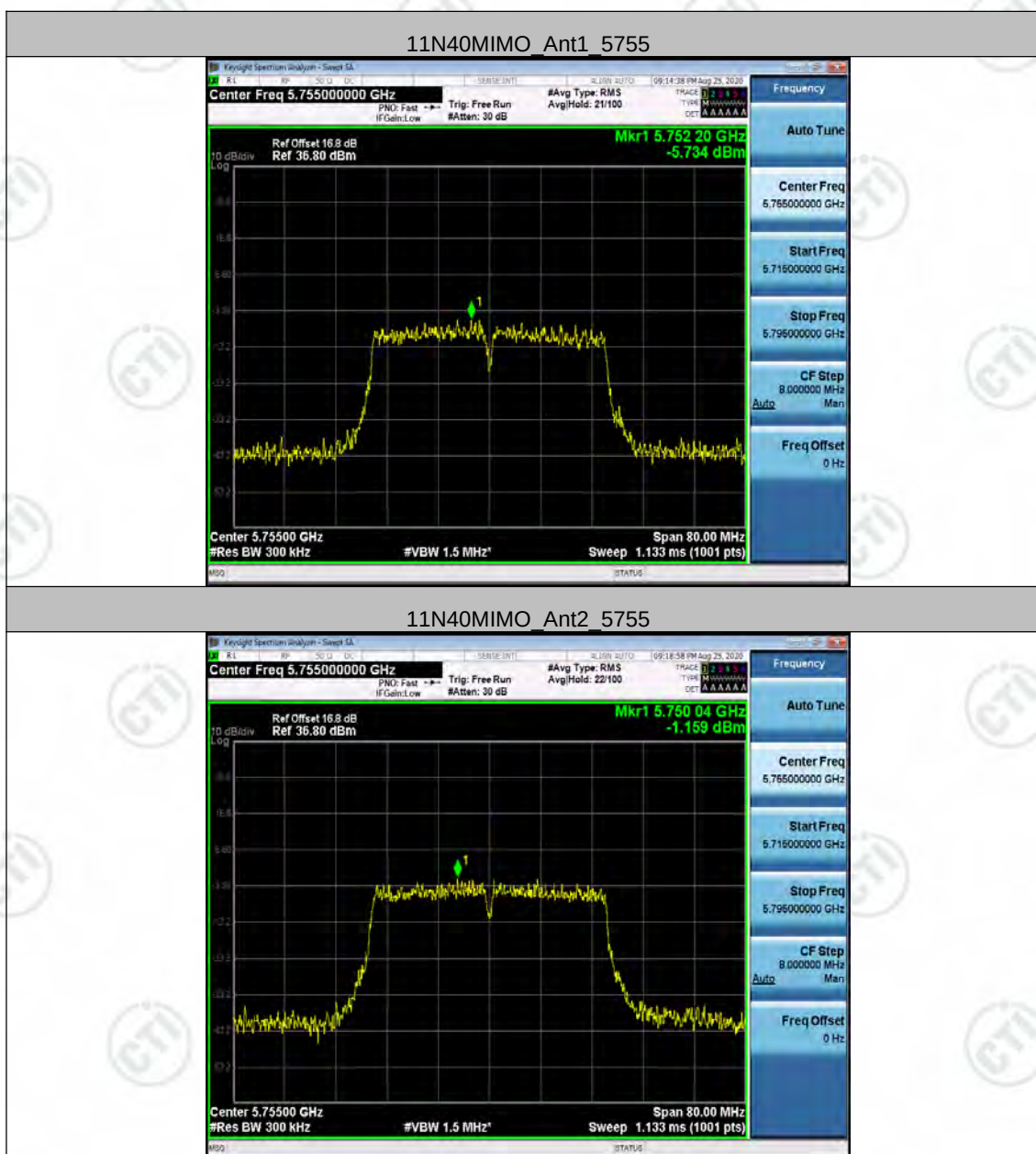


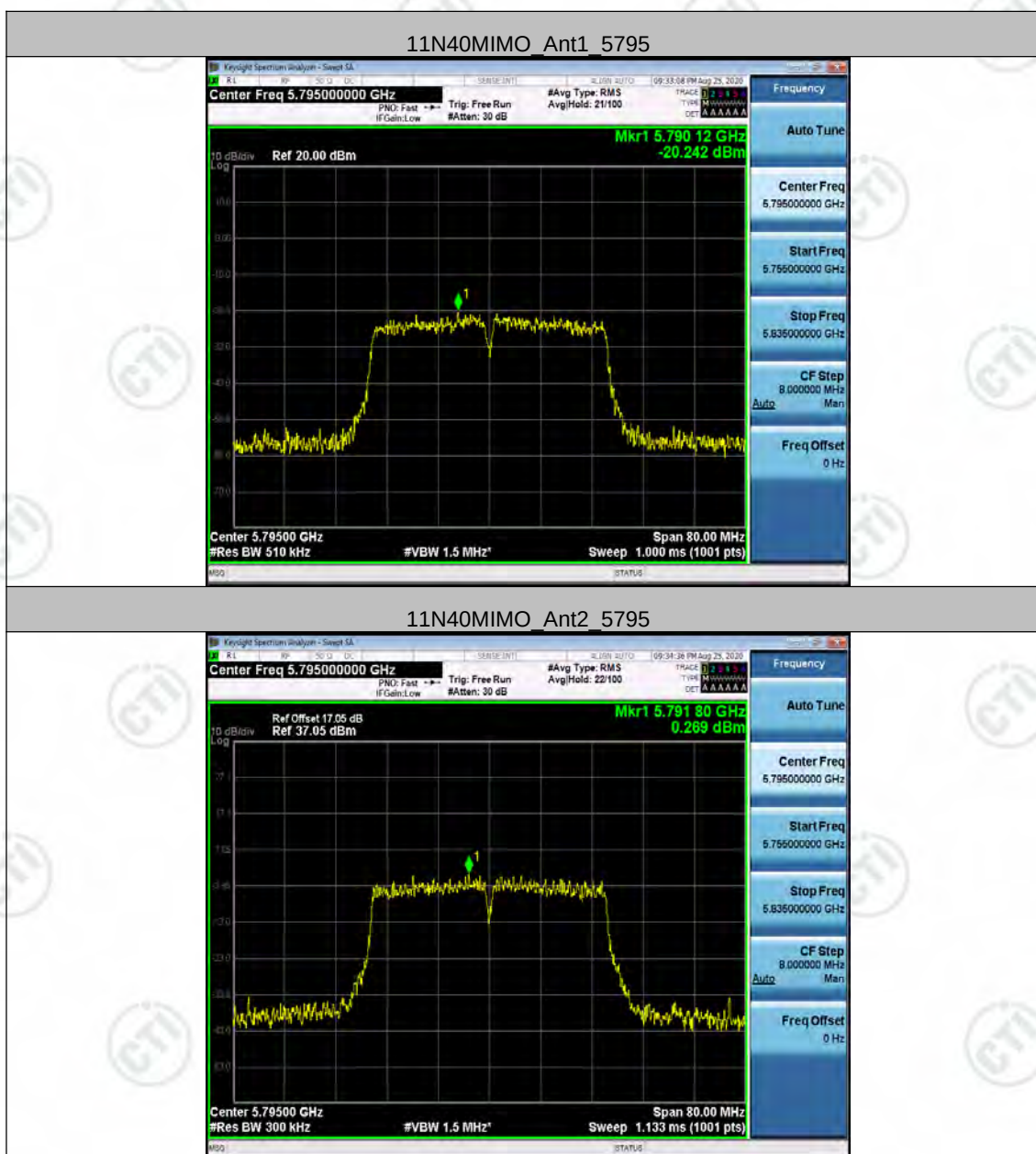


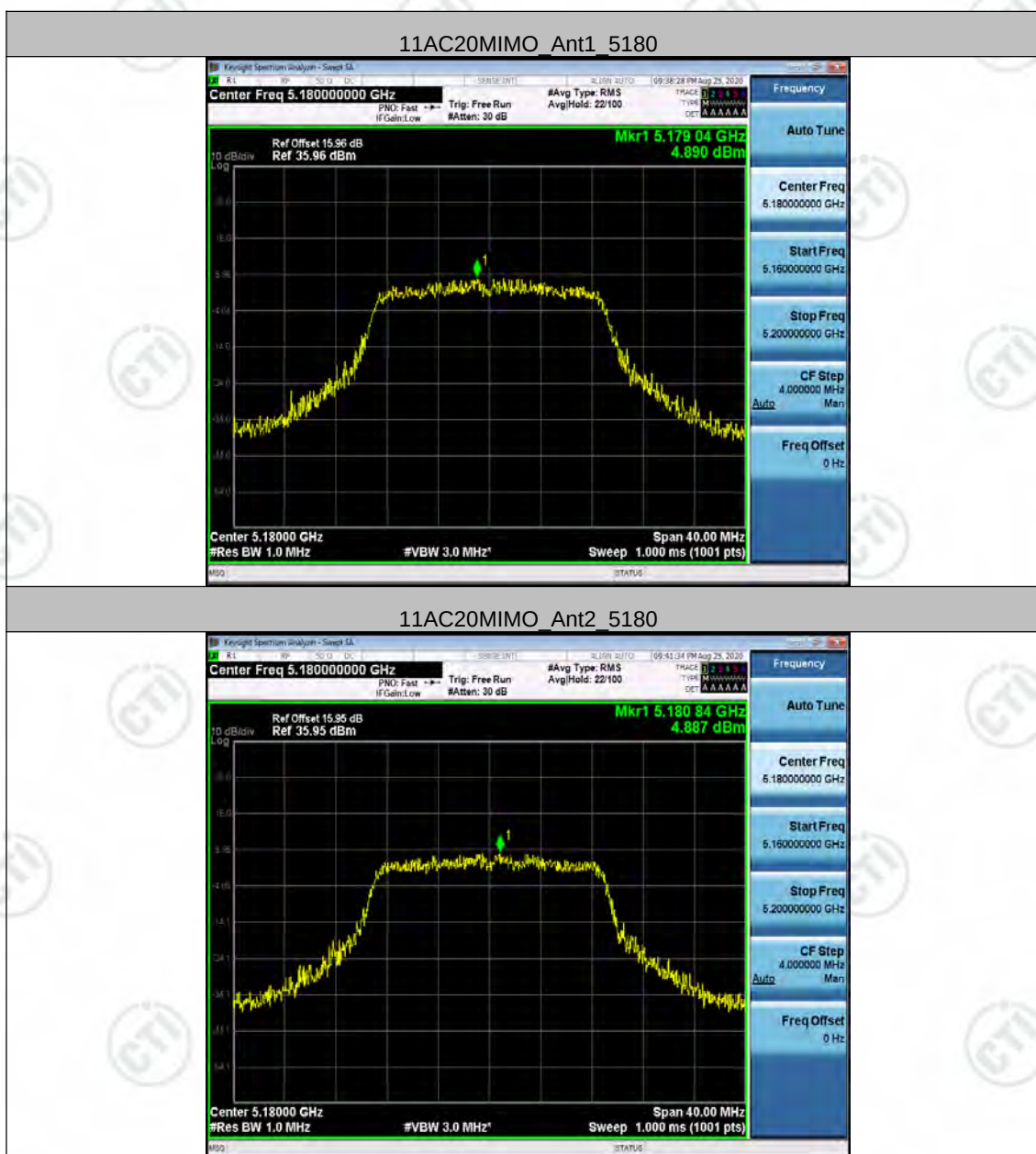














11AC20MIMO\_Ant1\_5200



11AC20MIMO\_Ant2\_5200

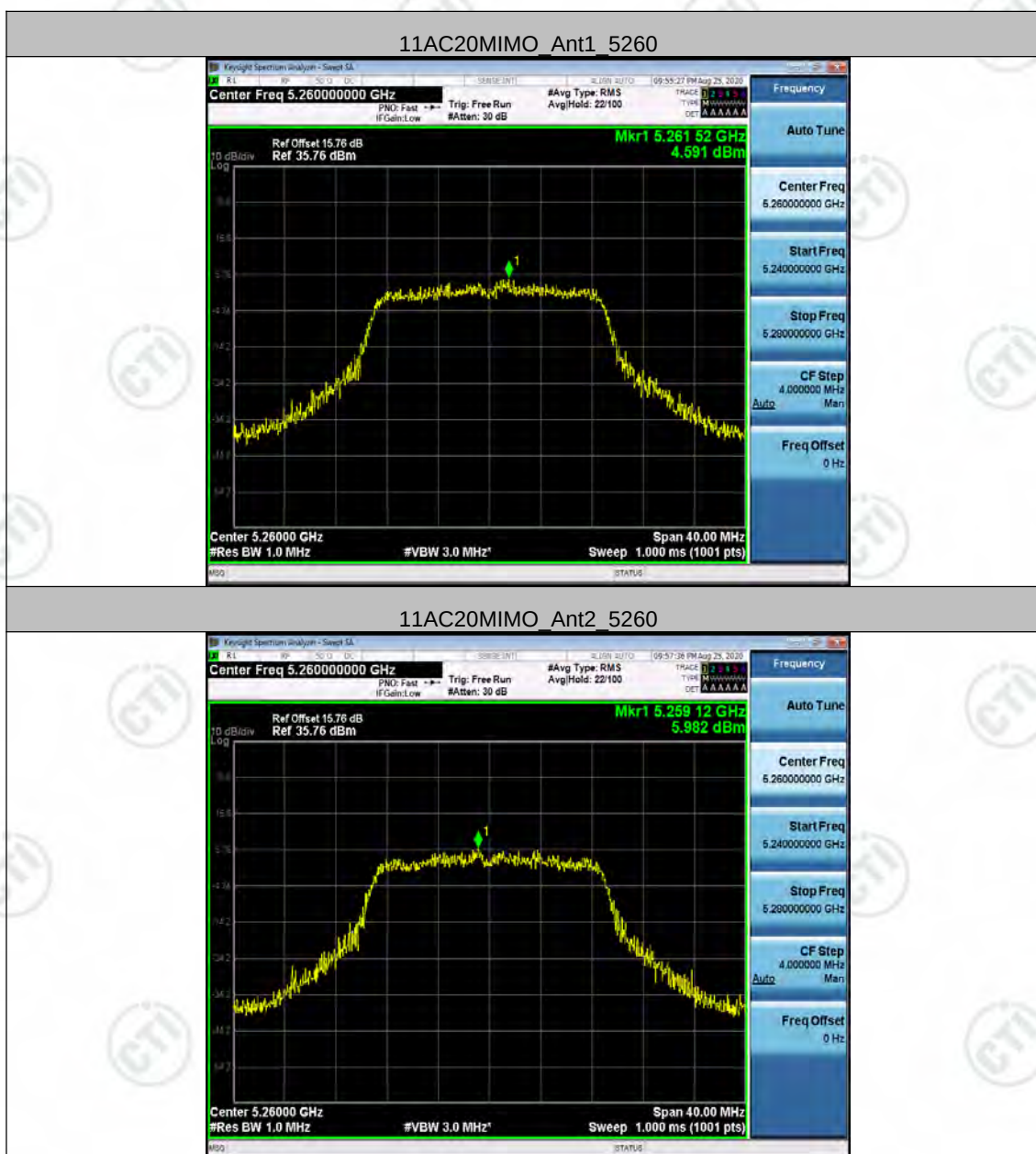


11AC20MIMO\_Ant1\_5240



11AC20MIMO\_Ant2\_5240







11AC20MIMO\_Ant1\_5280



11AC20MIMO\_Ant2\_5280

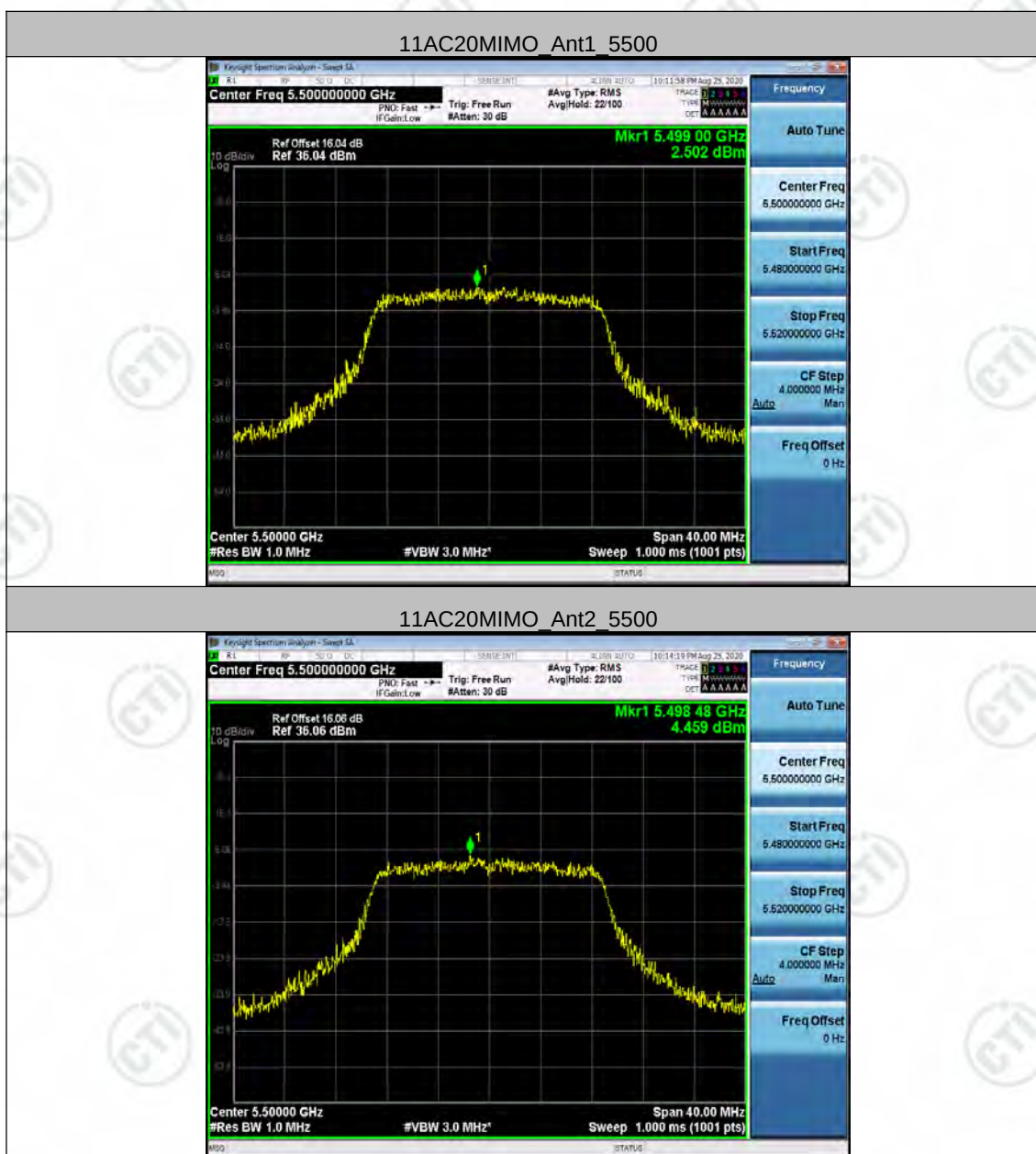


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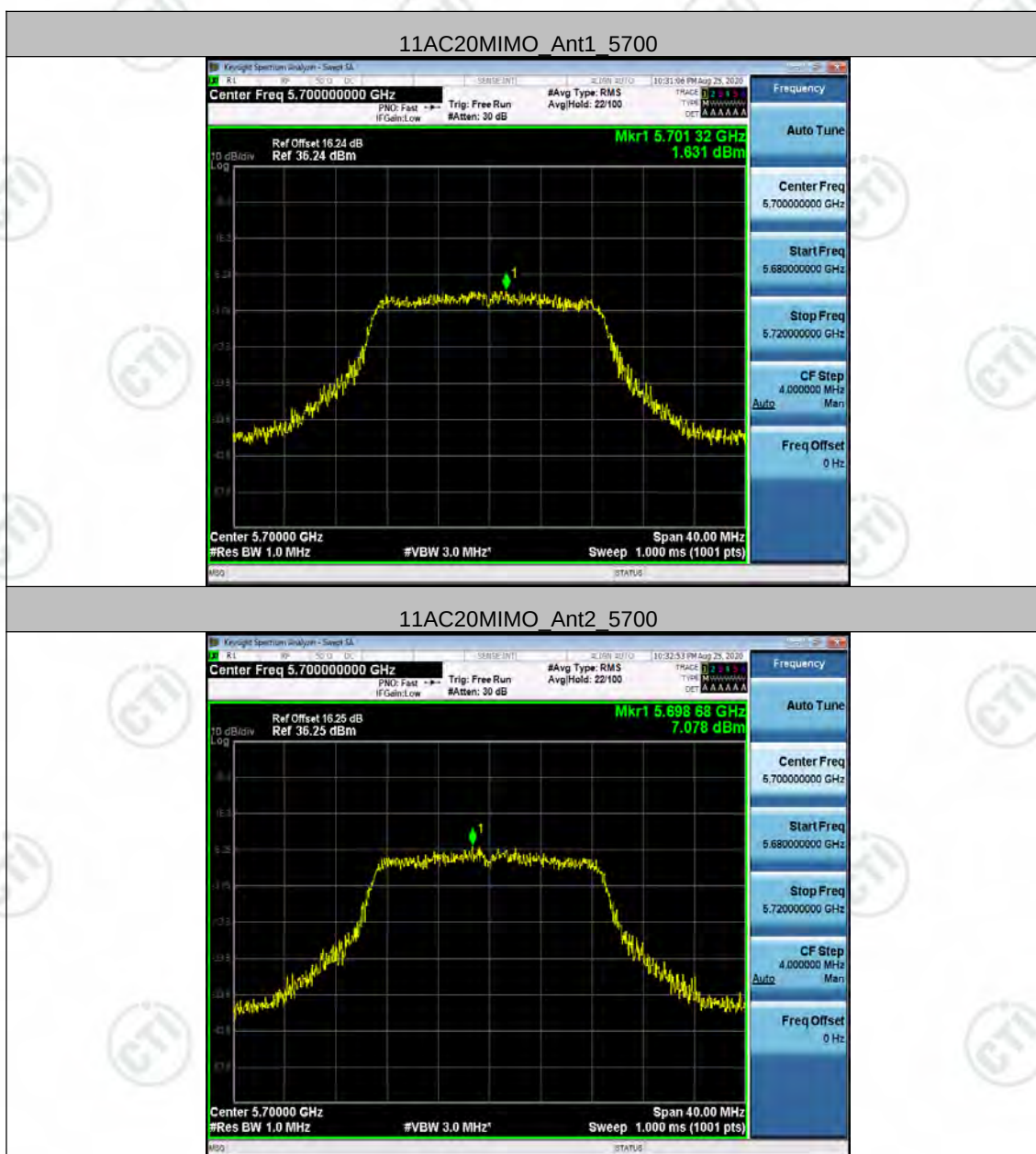


11AC20MIMO\_Ant2\_5320







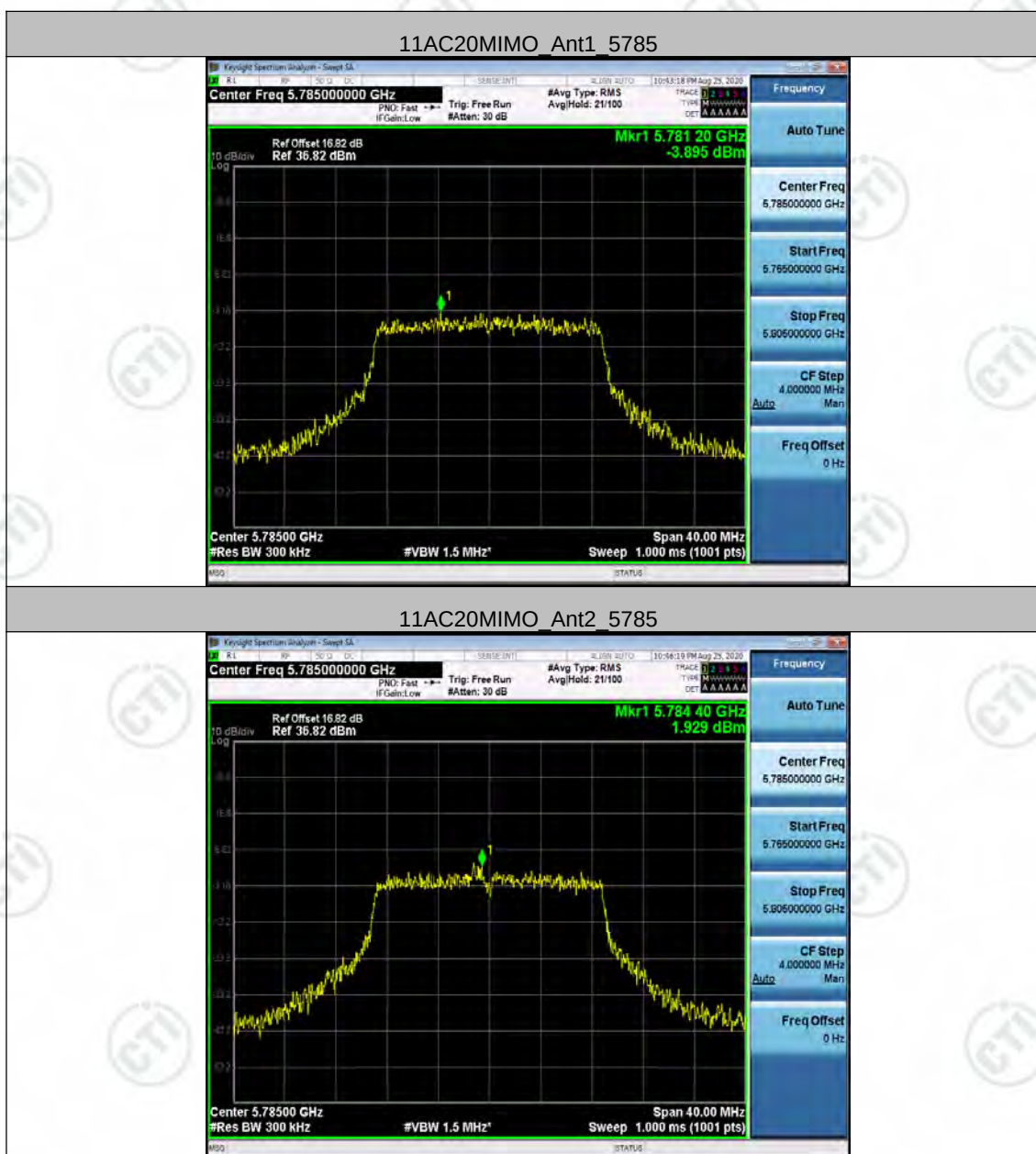


11AC20MIMO\_Ant1\_5745

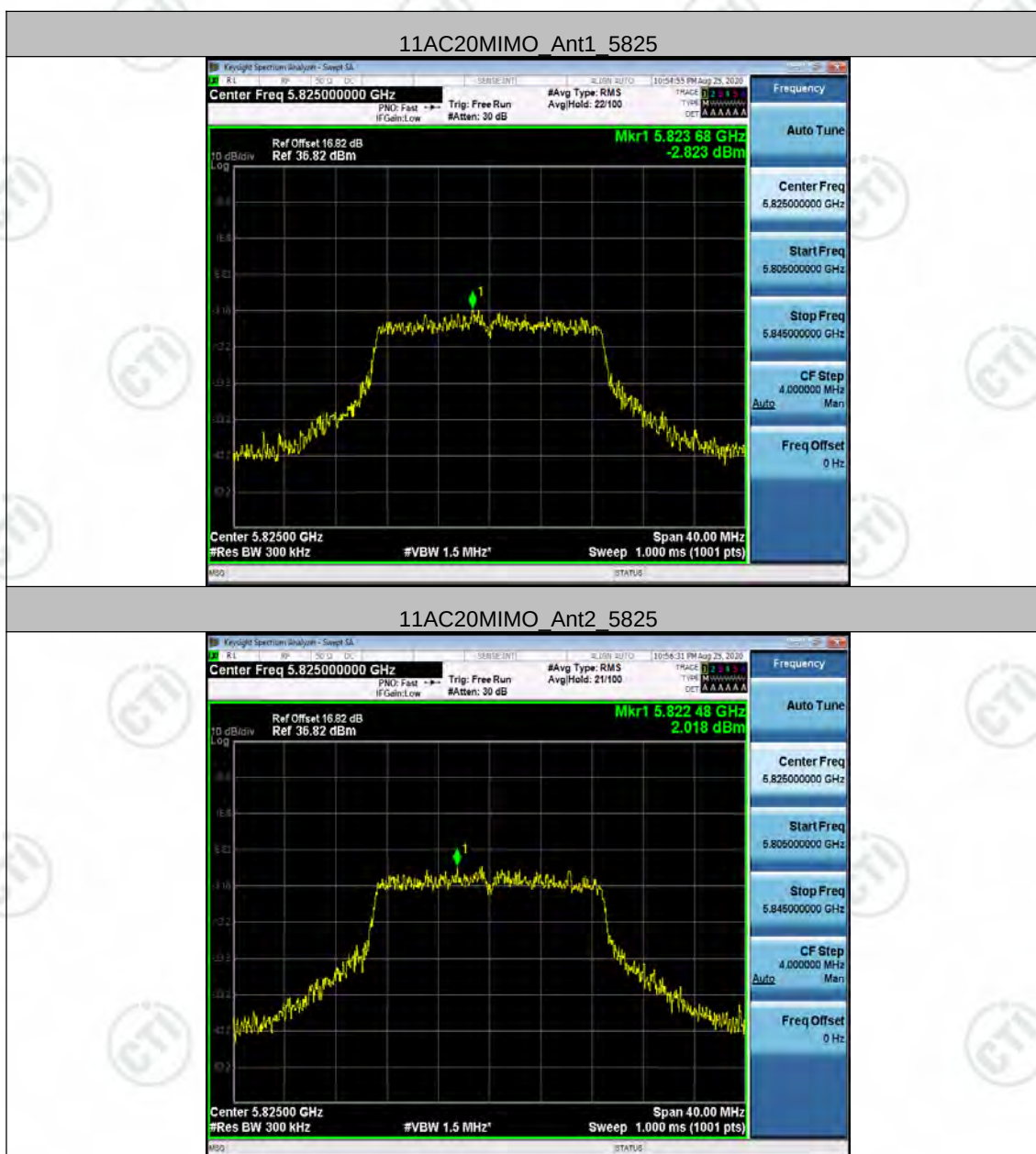


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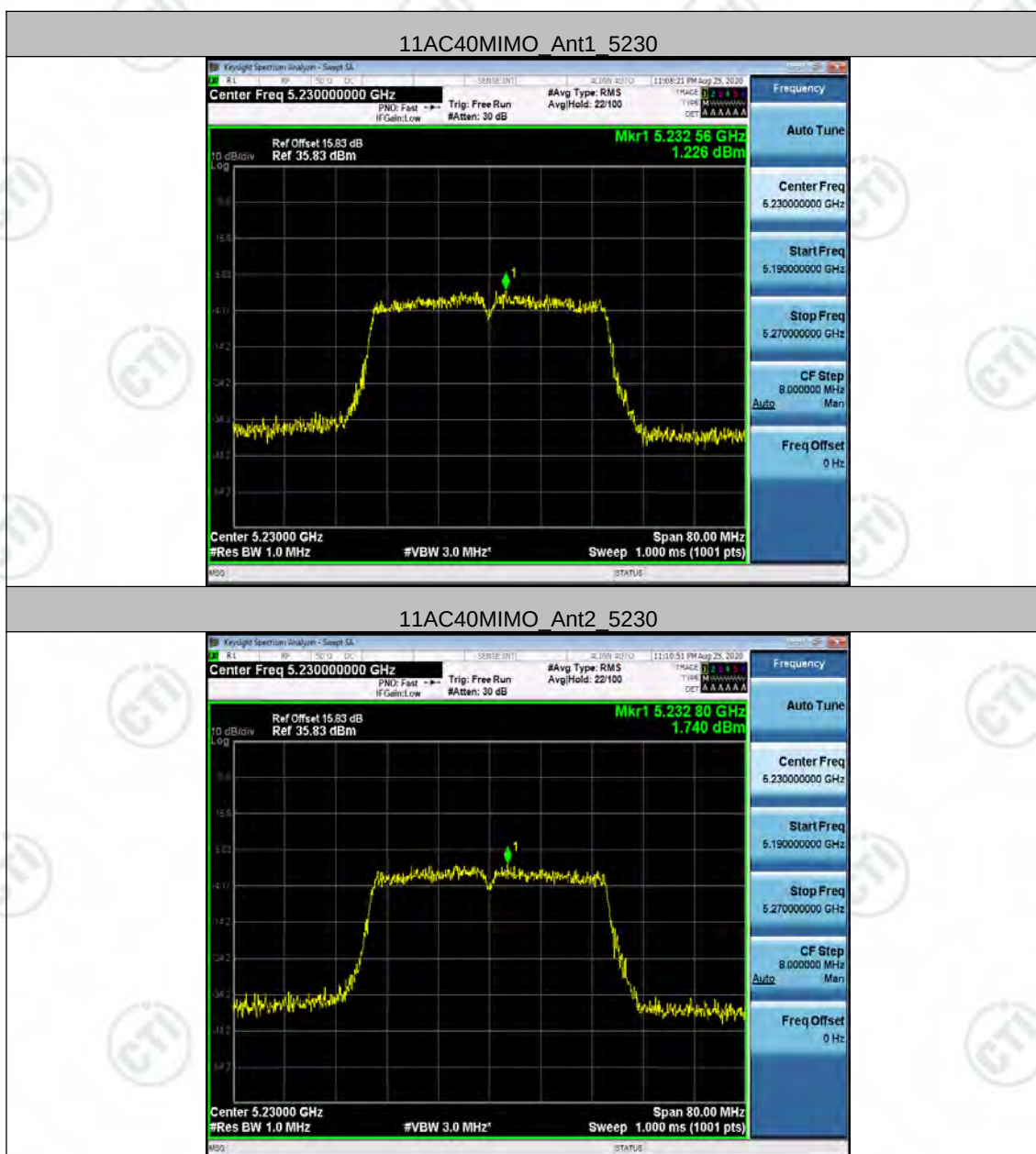


11AC40MIMO\_Ant1\_5190



11AC40MIMO\_Ant2\_5190





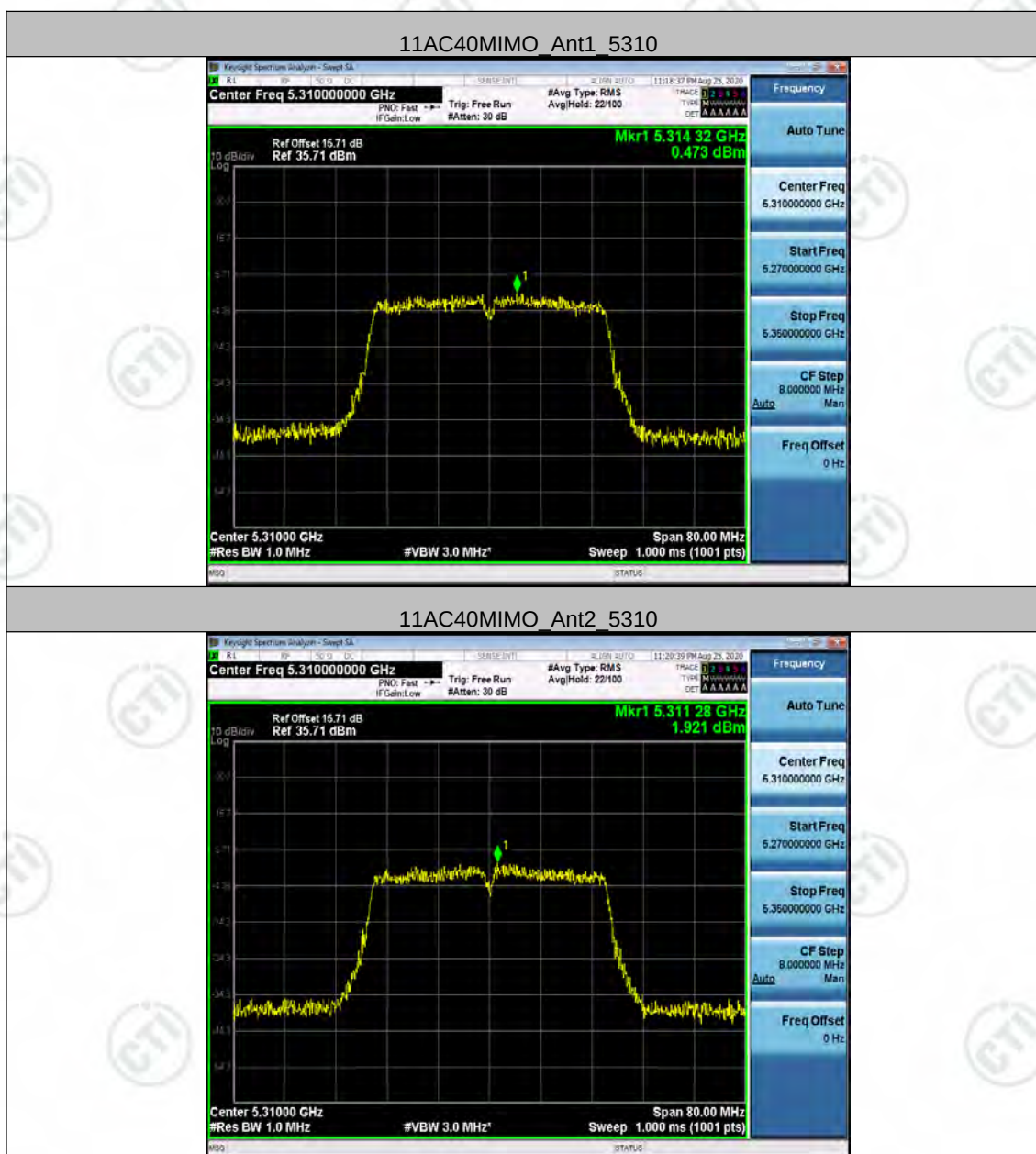


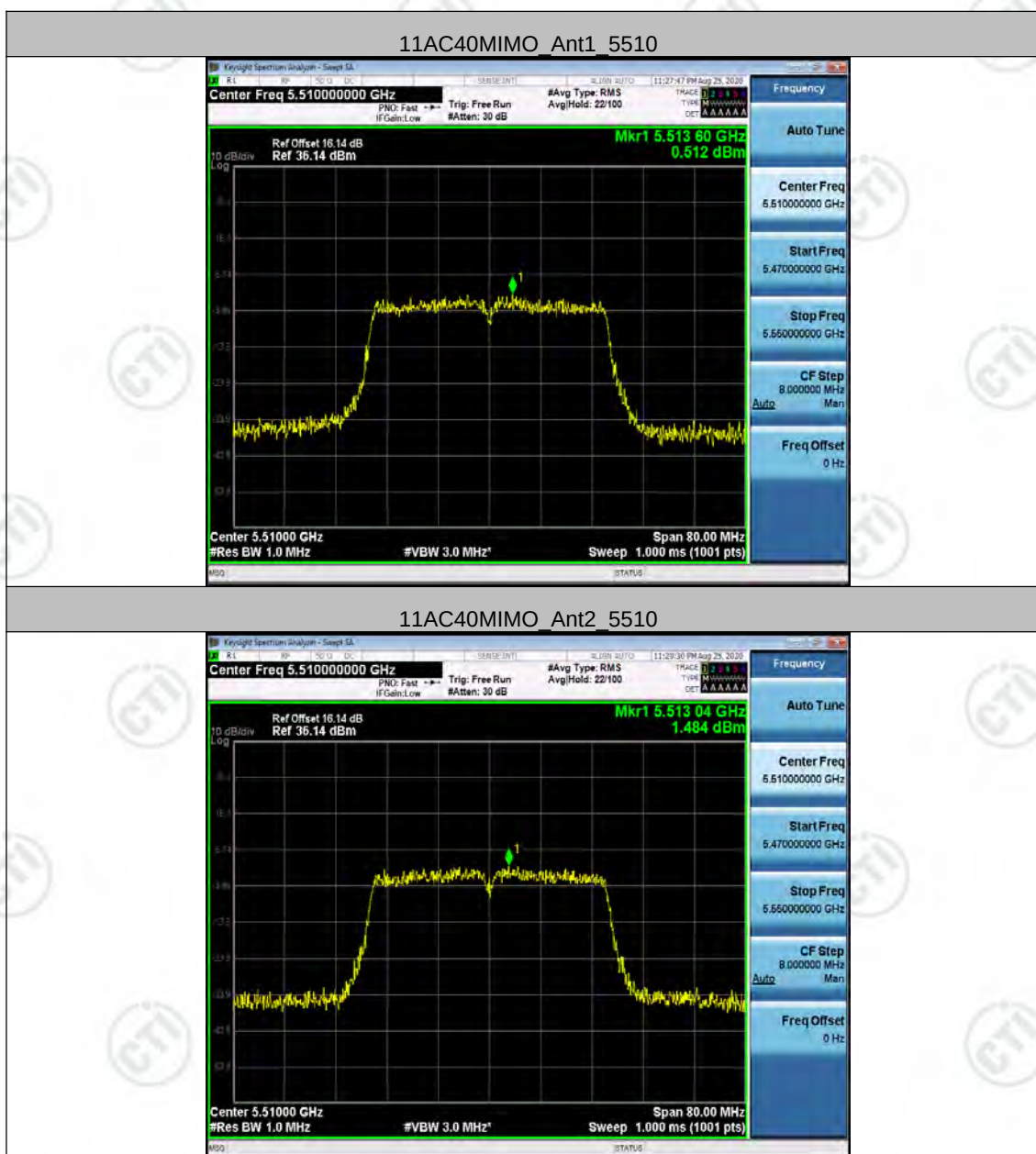
11AC40MIMO\_Ant1\_5270



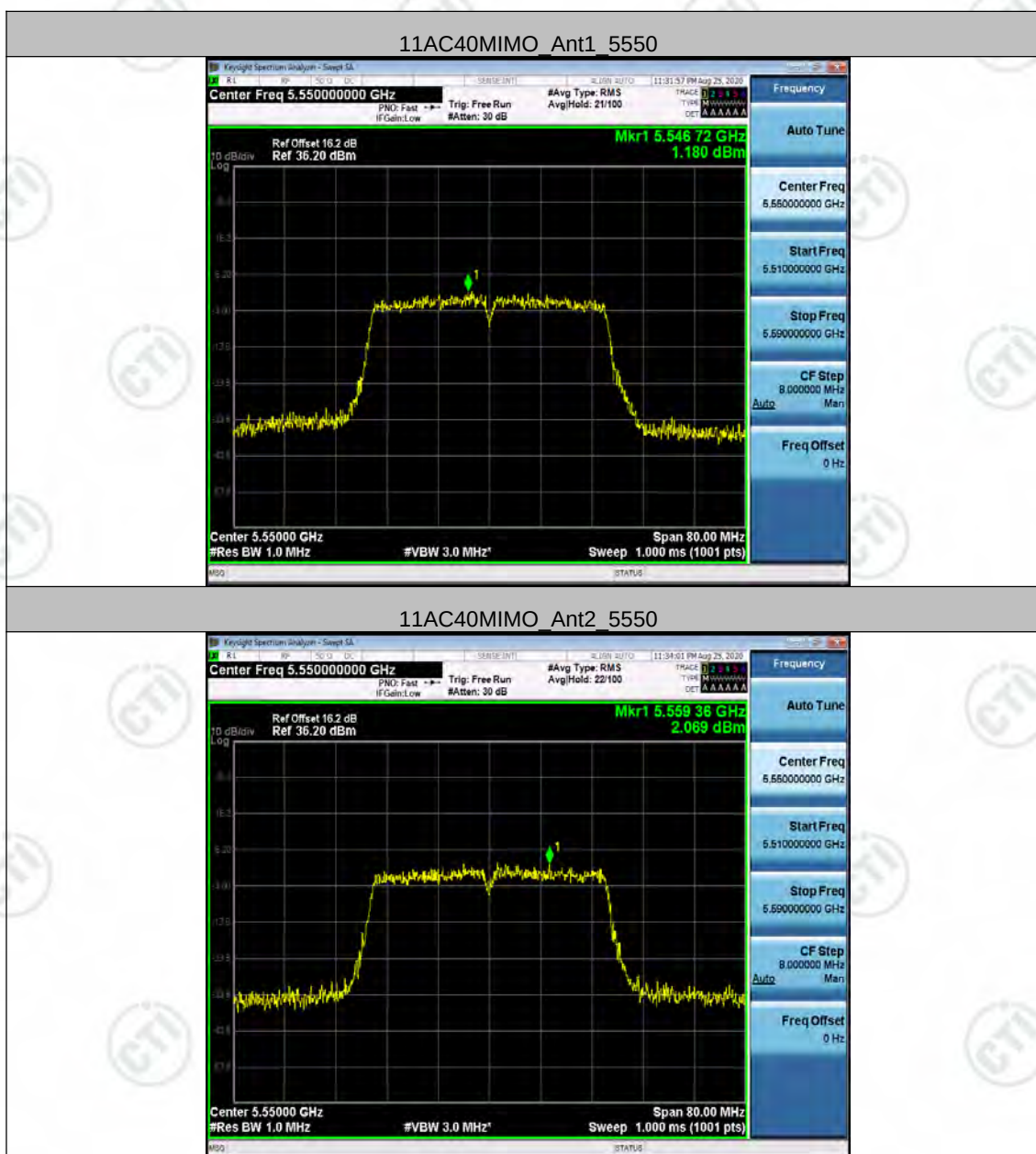
11AC40MIMO\_Ant2\_5270

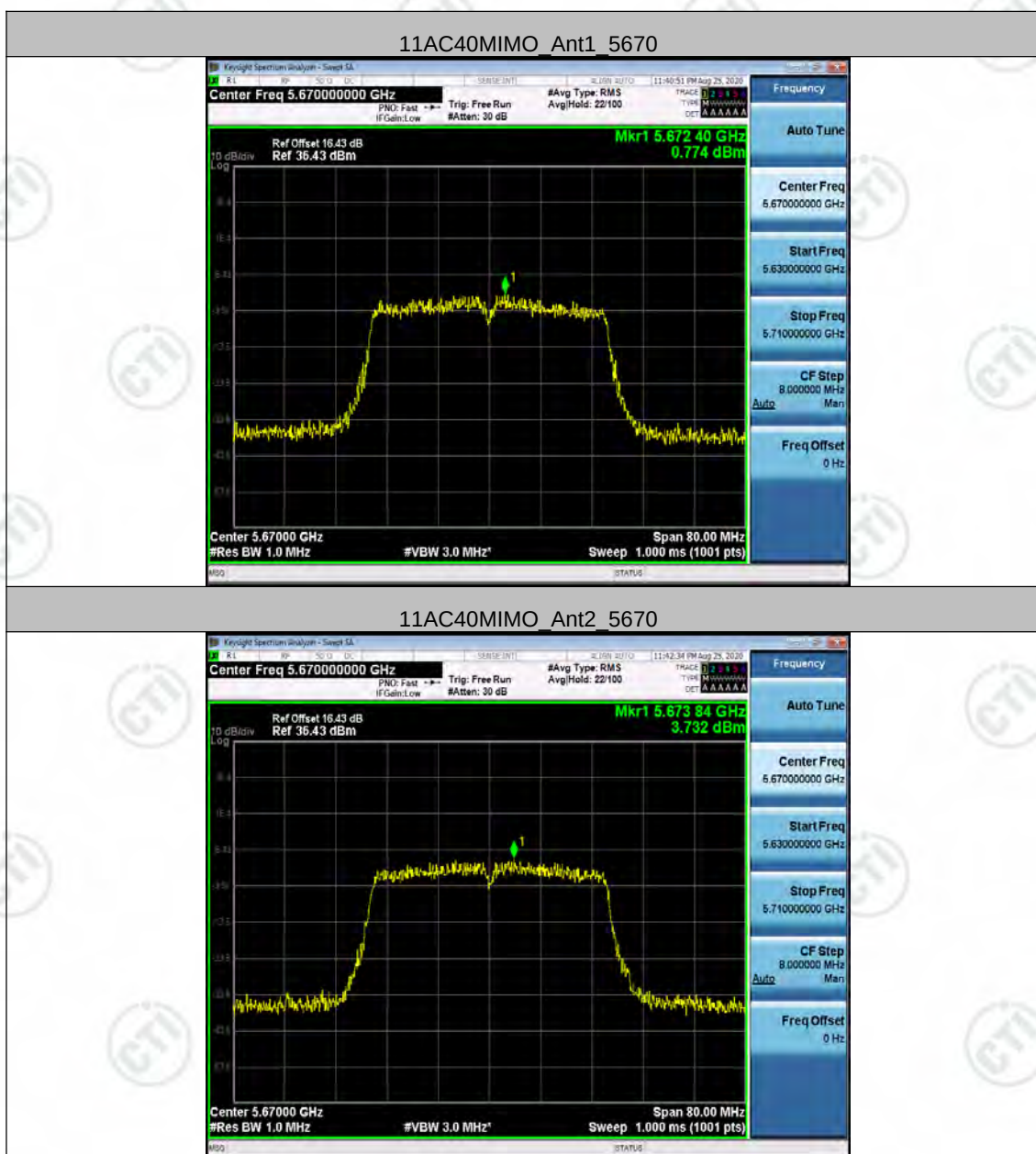


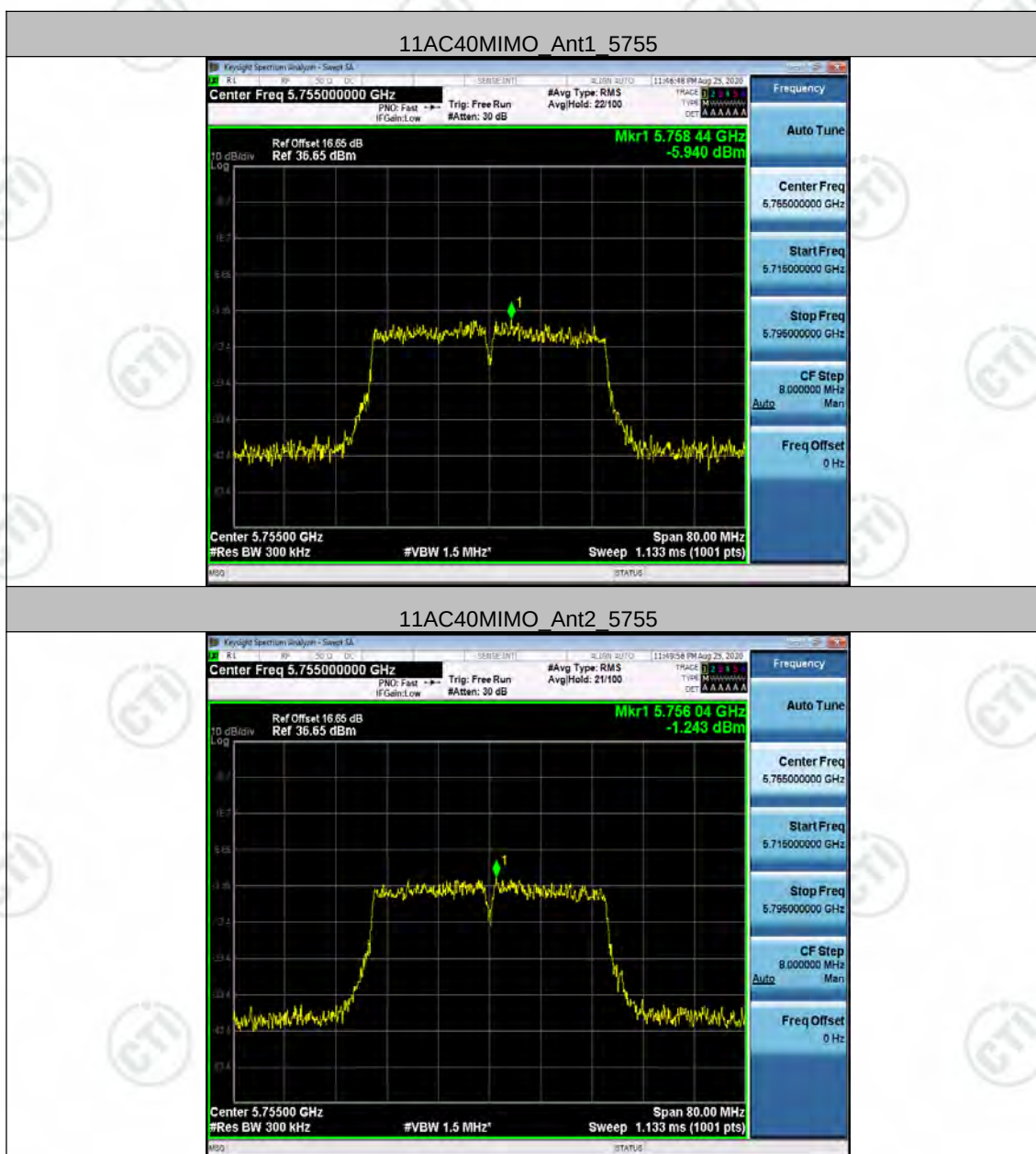




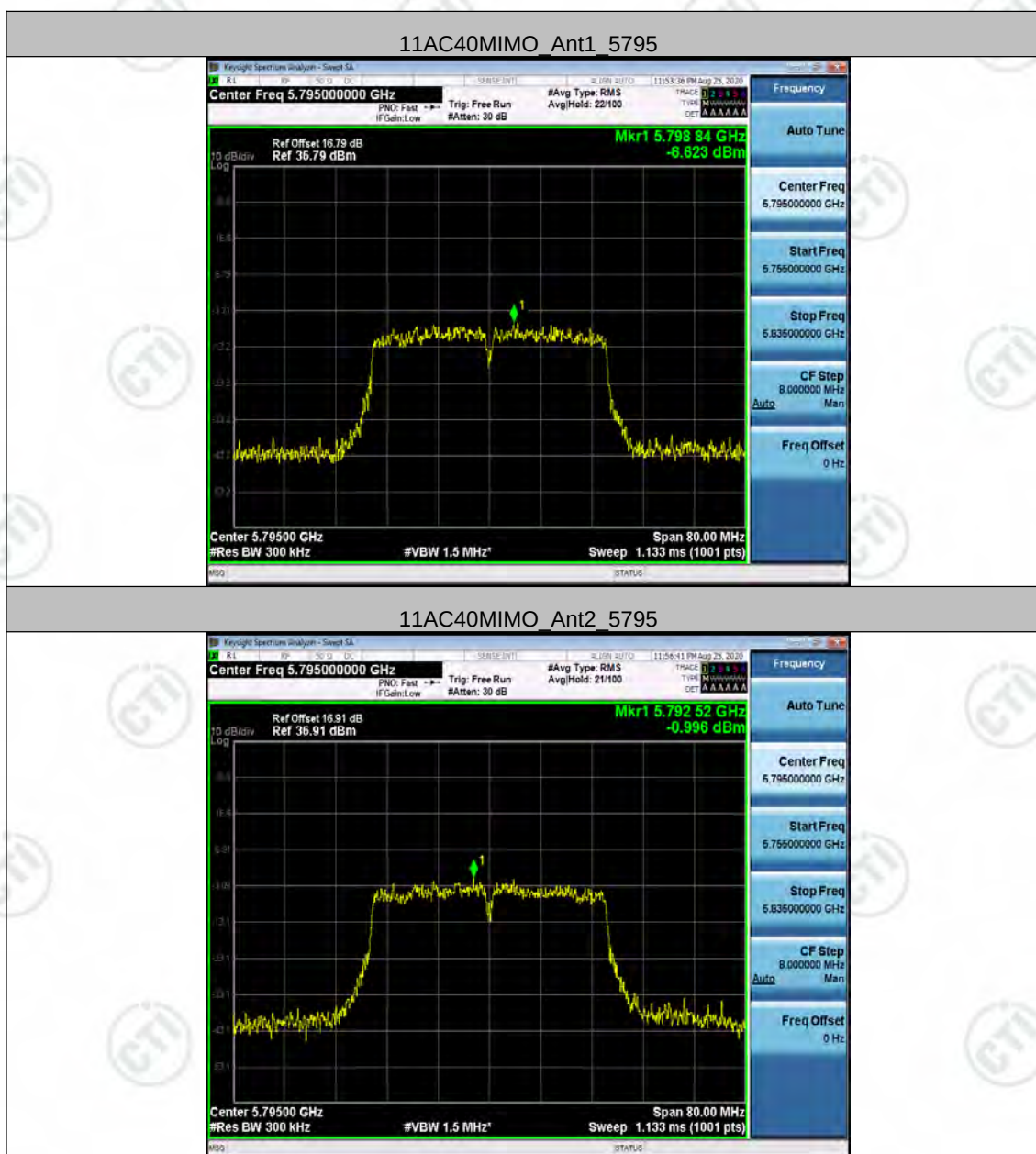


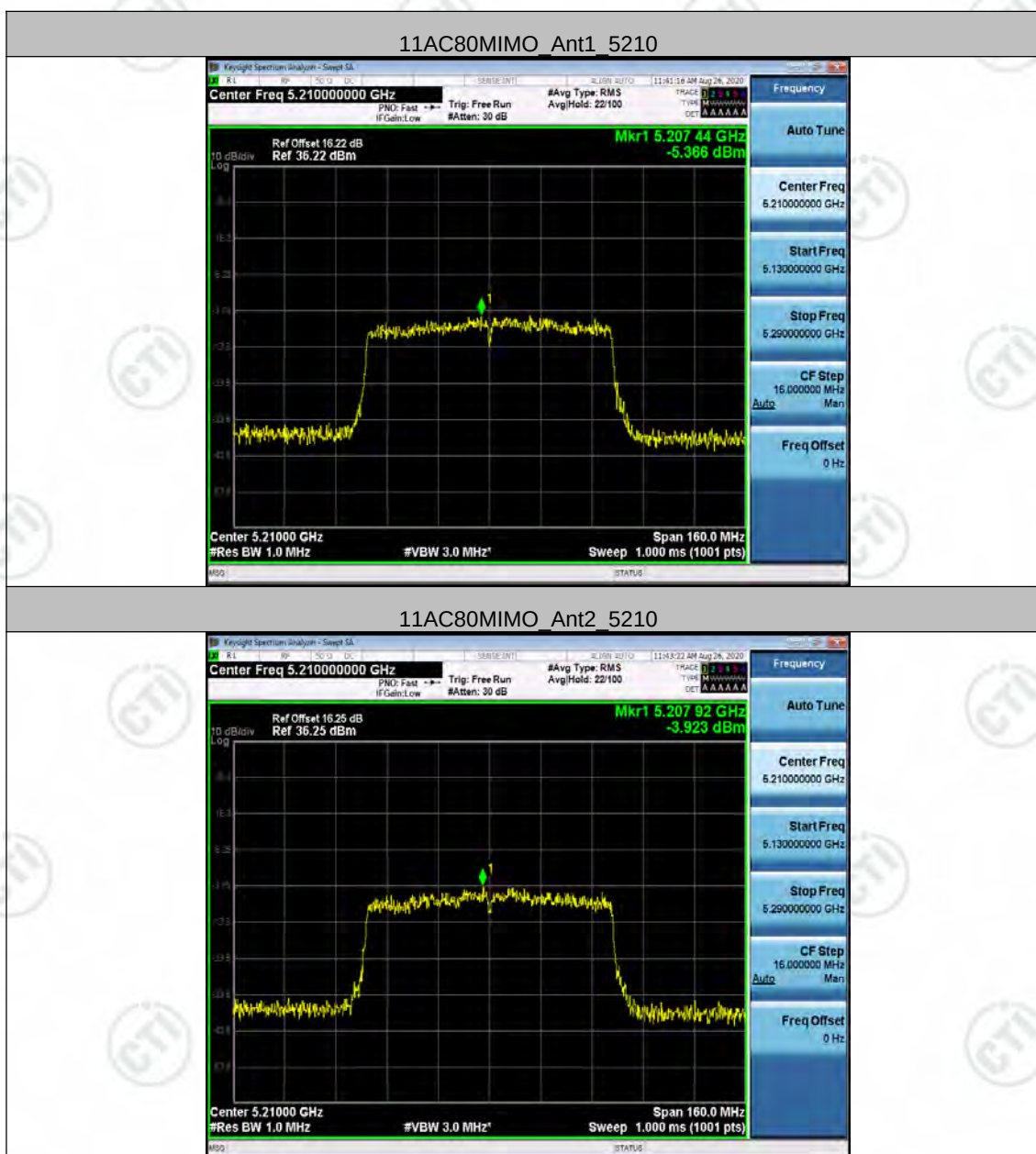


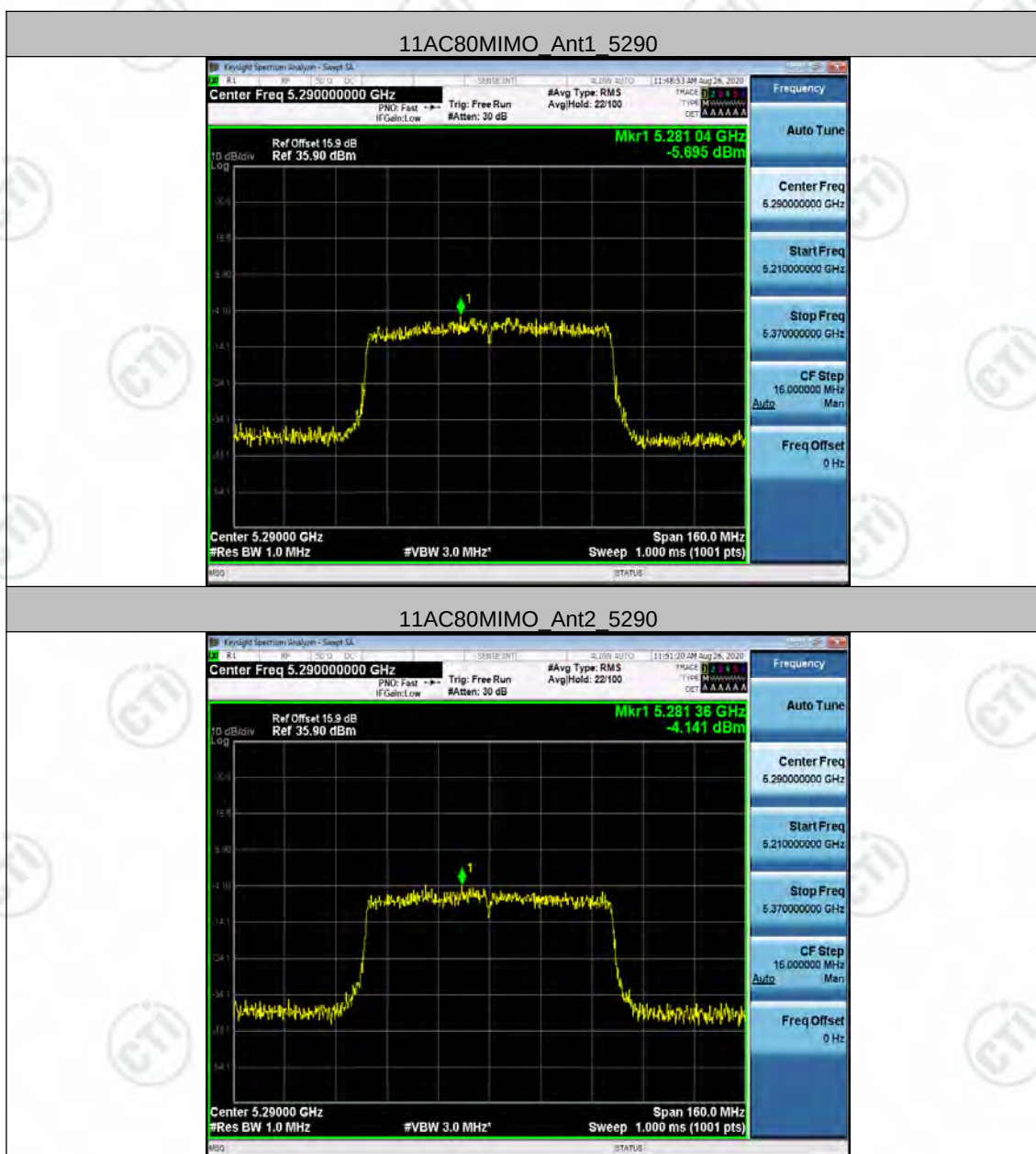




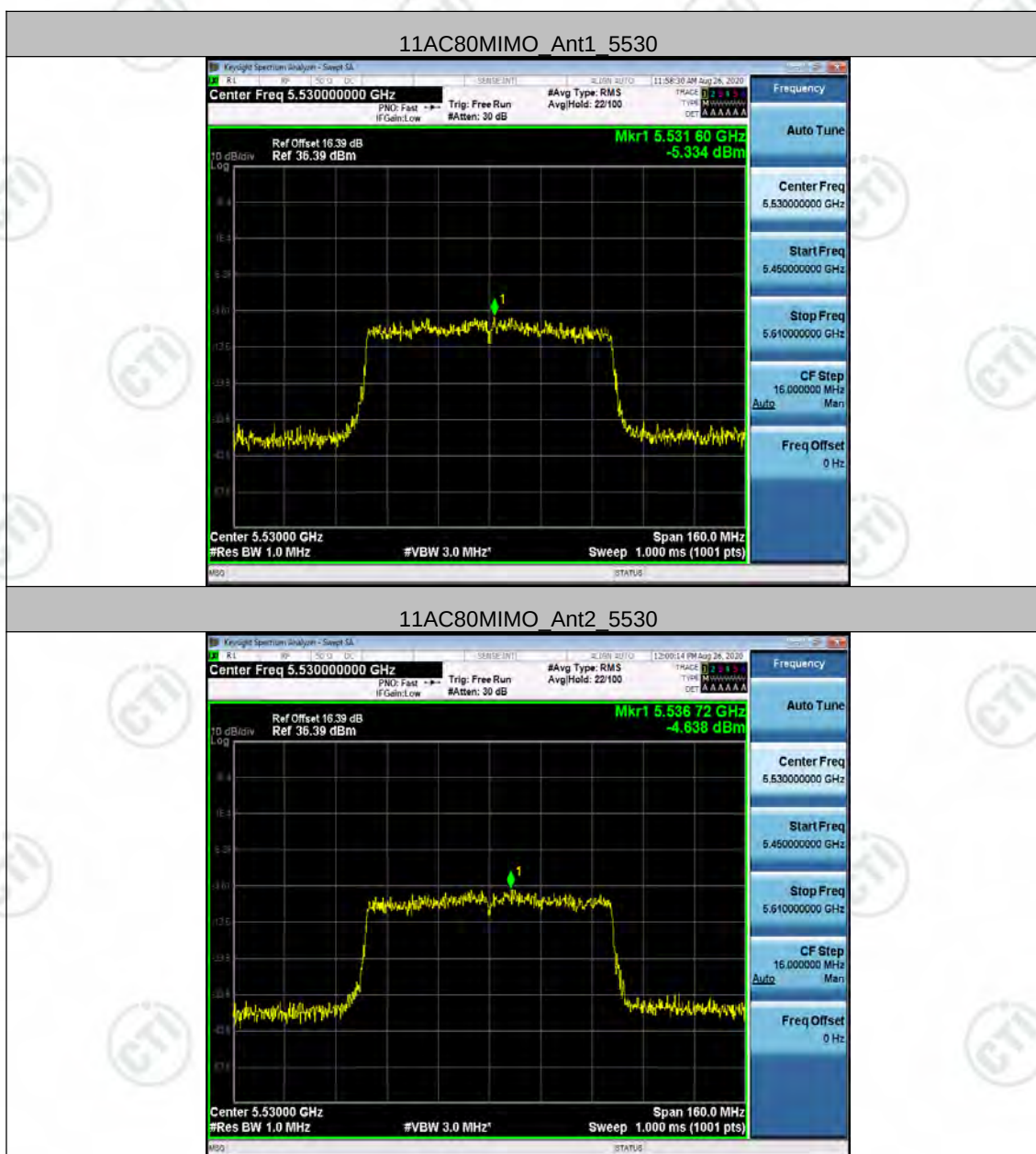


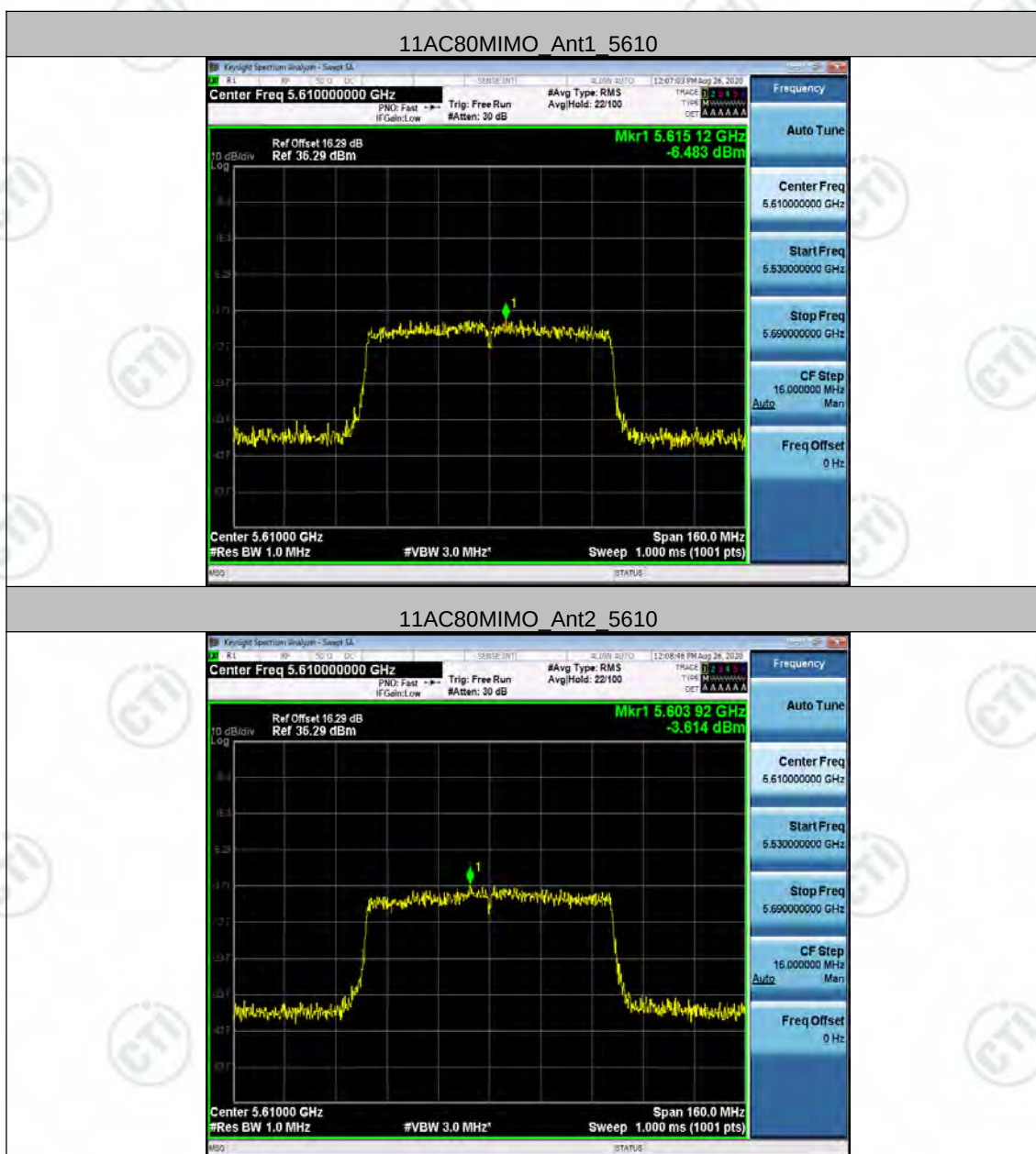












## Appendix D):Band edge measurements

### Test Result

| Test Mode  | Antenna | Ch Name | Channel | Result[dBm] | Limit[dBm] | Verdict |
|------------|---------|---------|---------|-------------|------------|---------|
| 11A        | Ant1    | Low     | 5180    | -35.9       | <=-27      | PASS    |
|            | Ant2    | Low     | 5180    | -36.4       | <=-27      | PASS    |
|            | Ant1    | High    | 5320    | -38.48      | <=-27      | PASS    |
|            | Ant2    | High    | 5320    | -36.98      | <=-27      | PASS    |
|            | Ant1    | Low     | 5500    | -37.11      | <=-27      | PASS    |
|            | Ant2    | Low     | 5500    | -37.84      | <=-27      | PASS    |
|            | Ant1    | High    | 5700    | -37.53      | <=-27      | PASS    |
|            | Ant2    | High    | 5700    | -38.42      | <=-27      | PASS    |
| 11N20SISO  | Ant1    | Low     | 5180    | -36.05      | <=-27      | PASS    |
|            | Ant2    | Low     | 5180    | -36.28      | <=-27      | PASS    |
|            | Ant1    | High    | 5320    | -38.48      | <=-27      | PASS    |
|            | Ant2    | High    | 5320    | -38.59      | <=-27      | PASS    |
|            | Ant1    | Low     | 5500    | -38.1       | <=-27      | PASS    |
|            | Ant2    | Low     | 5500    | -38.47      | <=-27      | PASS    |
|            | Ant1    | High    | 5700    | -37.41      | <=-27      | PASS    |
|            | Ant2    | High    | 5700    | -38.13      | <=-27      | PASS    |
| 11N40SISO  | Ant1    | Low     | 5190    | -30.19      | <=-27      | PASS    |
|            | Ant2    | Low     | 5190    | -31.79      | <=-27      | PASS    |
|            | Ant1    | High    | 5310    | -36.03      | <=-27      | PASS    |
|            | Ant2    | High    | 5310    | -38.12      | <=-27      | PASS    |
|            | Ant1    | Low     | 5510    | -31.98      | <=-27      | PASS    |
|            | Ant2    | Low     | 5510    | -34.31      | <=-27      | PASS    |
|            | Ant1    | High    | 5670    | -37.39      | <=-27      | PASS    |
|            | Ant2    | High    | 5670    | -37.44      | <=-27      | PASS    |
| 11AC20SISO | Ant1    | Low     | 5180    | -36         | <=-27      | PASS    |
|            | Ant2    | Low     | 5180    | -35.97      | <=-27      | PASS    |
|            | Ant1    | High    | 5320    | -38.67      | <=-27      | PASS    |
|            | Ant2    | High    | 5320    | -38.79      | <=-27      | PASS    |
|            | Ant1    | Low     | 5500    | -37.75      | <=-27      | PASS    |
|            | Ant2    | Low     | 5500    | -38.32      | <=-27      | PASS    |



|            |      |      |      |        |       |      |
|------------|------|------|------|--------|-------|------|
|            | Ant1 | High | 5700 | -37.69 | <=-27 | PASS |
|            | Ant2 | High | 5700 | -38.15 | <=-27 | PASS |
| 11AC40SISO | Ant1 | Low  | 5190 | -31.4  | <=-27 | PASS |
|            | Ant2 | Low  | 5190 | -32.87 | <=-27 | PASS |
|            | Ant1 | High | 5310 | -32.87 | <=-27 | PASS |
|            | Ant2 | High | 5310 | -37.72 | <=-27 | PASS |
|            | Ant1 | Low  | 5510 | -33.96 | <=-27 | PASS |
|            | Ant2 | Low  | 5510 | -35.42 | <=-27 | PASS |
|            | Ant1 | High | 5670 | -37.14 | <=-27 | PASS |
|            | Ant2 | High | 5670 | -37.91 | <=-27 | PASS |
|            | Ant1 | Low  | 5210 | -35.55 | <=-27 | PASS |
|            | Ant2 | Low  | 5210 | -36.23 | <=-27 | PASS |
| 11AC80SISO | Ant1 | High | 5290 | -35.47 | <=-27 | PASS |
|            | Ant2 | High | 5290 | -38.21 | <=-27 | PASS |
|            | Ant1 | Low  | 5530 | -37.88 | <=-27 | PASS |
|            | Ant2 | Low  | 5530 | -36.41 | <=-27 | PASS |
|            | Ant1 | High | 5610 | -38.92 | <=-27 | PASS |
|            | Ant2 | High | 5610 | -39.1  | <=-27 | PASS |
| 11N20MIMO  | Ant1 | Low  | 5180 | -36.31 | <=-27 | PASS |
|            | Ant2 | Low  | 5180 | -36.49 | <=-27 | PASS |

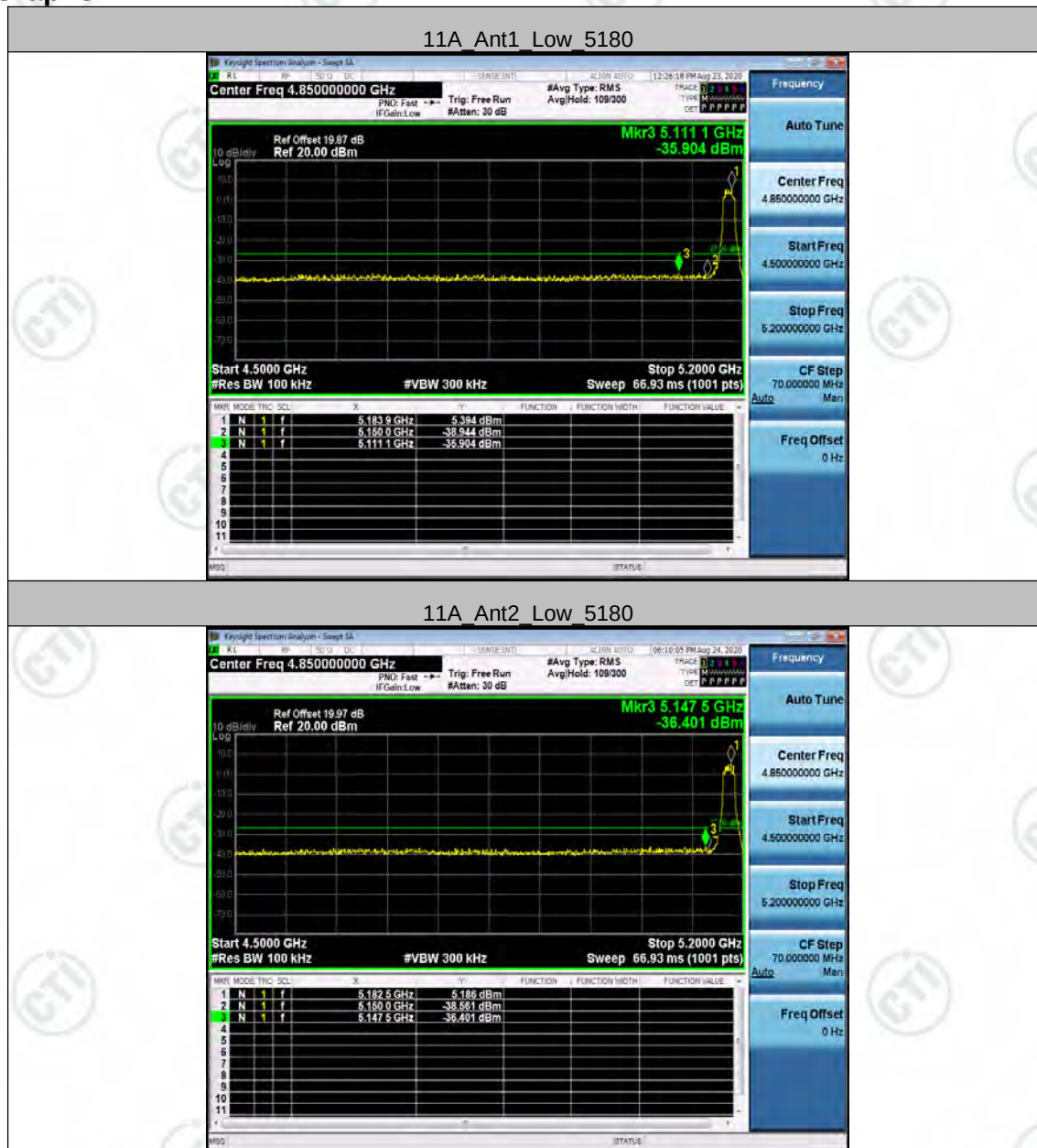
| Test Mode | Antenna | Ch Name | Channel | Freq Range [MHz] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|---------|---------|------------------|--------------|-------------|---------|
| 11A       | Ant1    | Low     | 5745    | 5650~5700        | -37.46       | <=-4.91     | PASS    |
|           |         |         |         | 5700~5720        | -37.15       | <=15.50     | PASS    |
|           |         |         |         | 5720~5725        | -36.97       | <=23.42     | PASS    |
|           |         |         |         | 5760~5650        | -38.6        | <=-27       | PASS    |
|           | Ant2    | Low     | 5745    | 5650~5700        | -37.31       | <=-26.62    | PASS    |
|           |         |         |         | 5700~5720        | -38.05       | <=14.63     | PASS    |
|           |         |         |         | 5720~5725        | -38.04       | <=21.85     | PASS    |
|           |         |         |         | 5760~5650        | -38.46       | <=-27       | PASS    |
|           | Ant1    | High    | 5825    | 5850~5855        | -37.34       | <=22.57     | PASS    |
|           |         |         |         | 5855~5875        | -37.02       | <=13.61     | PASS    |
|           |         |         |         | 5875~5925        | -35.73       | <=-0.68     | PASS    |
|           |         |         |         | 5925~5935        | -37.87       | <=-27       | PASS    |
|           | Ant2    | High    | 5825    | 5850~5855        | -37.8        | <=17.64     | PASS    |
|           |         |         |         | 5855~5875        | -37.69       | <=11.19     | PASS    |
|           |         |         |         | 5875~5925        | -36.63       | <=-20.26    | PASS    |
|           |         |         |         | 5925~5935        | -37.51       | <=-27       | PASS    |
| 11N20SISO | Ant1    | Low     | 5745    | 5650~5700        | -37.92       | <=7.68      | PASS    |
|           |         |         |         | 5700~5720        | -37.4        | <=13.44     | PASS    |
|           |         |         |         | 5720~5725        | -35.81       | <=23.42     | PASS    |
|           |         |         |         | 5760~5650        | -38.22       | <=-27       | PASS    |
|           | Ant2    | Low     | 5745    | 5650~5700        | -37.46       | <=-20.66    | PASS    |
|           |         |         |         | 5700~5720        | -37.29       | <=10.28     | PASS    |
|           |         |         |         | 5720~5725        | -38.25       | <=24.99     | PASS    |
|           |         |         |         | 5760~5650        | -39.12       | <=-27       | PASS    |
|           | Ant1    | High    | 5825    | 5850~5855        | -37.44       | <=25.95     | PASS    |
|           |         |         |         | 5855~5875        | -36.97       | <=13.58     | PASS    |
|           |         |         |         | 5875~5925        | -37.05       | <=-12.57    | PASS    |
|           |         |         |         | 5925~5935        | -36.6        | <=-27       | PASS    |
|           | Ant2    | High    | 5825    | 5850~5855        | -37.9        | <=25.64     | PASS    |
|           |         |         |         | 5855~5875        | -37.56       | <=13.76     | PASS    |
|           |         |         |         | 5875~5925        | -36.63       | <=-25.86    | PASS    |
|           |         |         |         | 5925~5935        | -36.18       | <=-27       | PASS    |

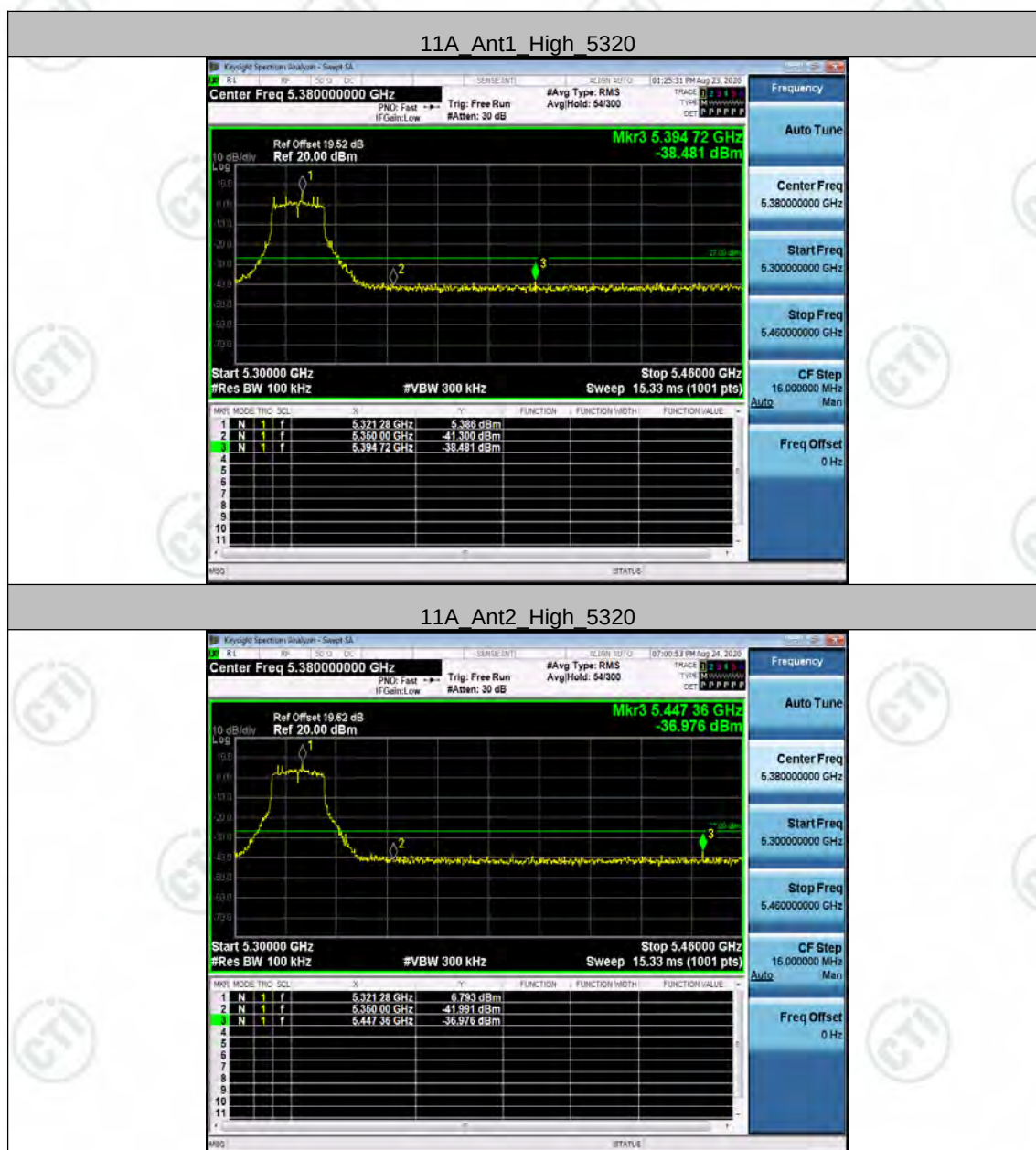
|            |      |      |      |           |        |          |      |
|------------|------|------|------|-----------|--------|----------|------|
| 11N40SISO  | Ant1 | Low  | 5755 | 5650~5700 | -36.98 | <=4.36   | PASS |
|            |      |      |      | 5700~5720 | -33.24 | <=14.90  | PASS |
|            |      |      |      | 5720~5725 | -33.41 | <=20.05  | PASS |
|            |      |      |      | 5780~5650 | -39.58 | <=-27    | PASS |
|            | Ant2 | Low  | 5755 | 5650~5700 | -37.59 | <=-24.91 | PASS |
|            |      |      |      | 5700~5720 | -33.38 | <=15.24  | PASS |
|            |      |      |      | 5720~5725 | -33.36 | <=20.97  | PASS |
|            |      |      |      | 5780~5650 | -38.91 | <=-27    | PASS |
|            | Ant1 | High | 5795 | 5850~5855 | -37.78 | <=26.19  | PASS |
|            |      |      |      | 5855~5875 | -37.85 | <=15.35  | PASS |
|            |      |      |      | 5875~5925 | -36.04 | <=-15.81 | PASS |
|            |      |      |      | 5925~5935 | -37.97 | <=-27    | PASS |
|            | Ant2 | High | 5795 | 5850~5855 | -37.09 | <=24.69  | PASS |
|            |      |      |      | 5855~5875 | -37.23 | <=14.38  | PASS |
|            |      |      |      | 5875~5925 | -37.03 | <=7.39   | PASS |
|            |      |      |      | 5925~5935 | -36.5  | <=-27    | PASS |
| 11AC20SISO | Ant1 | Low  | 5745 | 5650~5700 | -37.87 | <=-26.87 | PASS |
|            |      |      |      | 5700~5720 | -37.85 | <=13.76  | PASS |
|            |      |      |      | 5720~5725 | -34.13 | <=26.83  | PASS |
|            |      |      |      | 5760~5650 | -39.54 | <=-27    | PASS |
|            | Ant2 | Low  | 5745 | 5650~5700 | -37.5  | <=6.23   | PASS |
|            |      |      |      | 5700~5720 | -37.15 | <=12.63  | PASS |
|            |      |      |      | 5720~5725 | -36.15 | <=25.52  | PASS |
|            |      |      |      | 5760~5650 | -38.26 | <=-27    | PASS |
|            | Ant1 | High | 5825 | 5850~5855 | -37.9  | <=16.41  | PASS |
|            |      |      |      | 5855~5875 | -37.05 | <=11.23  | PASS |
|            |      |      |      | 5875~5925 | -36.05 | <=-9.37  | PASS |
|            |      |      |      | 5925~5935 | -38.1  | <=-27    | PASS |
|            | Ant2 | High | 5825 | 5850~5855 | -36.17 | <=22.87  | PASS |
|            |      |      |      | 5855~5875 | -36.93 | <=10.66  | PASS |
|            |      |      |      | 5875~5925 | -36.93 | <=-14.67 | PASS |
|            |      |      |      | 5925~5935 | -36.97 | <=-27    | PASS |
| 11AC40SISO | Ant1 | Low  | 5755 | 5650~5700 | -35.88 | <=7.16   | PASS |
|            |      |      |      | 5700~5720 | -29.08 | <=14.90  | PASS |
|            |      |      |      | 5720~5725 | -30.49 | <=15.74  | PASS |
|            |      |      |      | 5780~5650 | -38.96 | <=-27    | PASS |



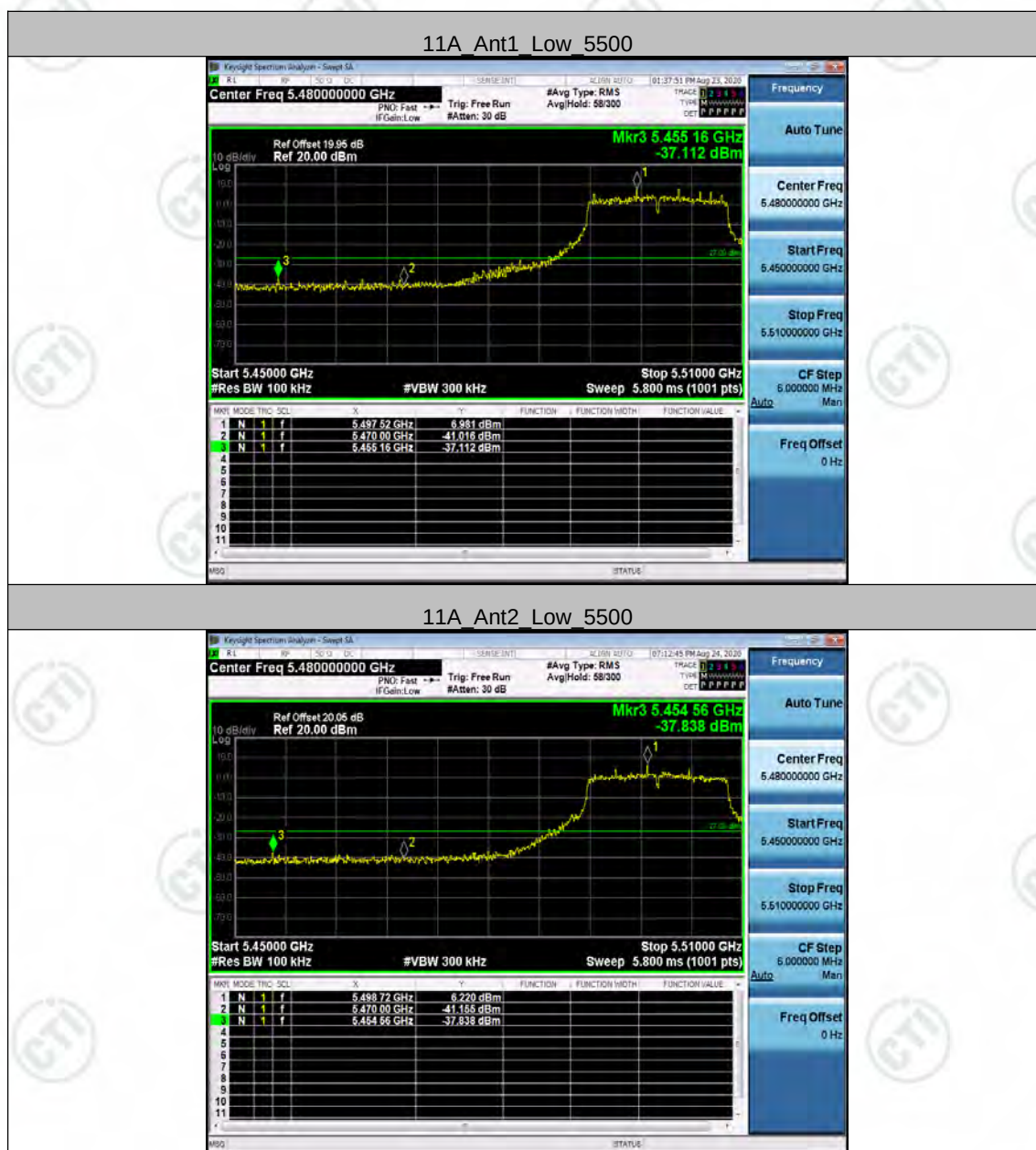
|            |      |      |      |           |        |          |      |
|------------|------|------|------|-----------|--------|----------|------|
| 11AC80SISO | Ant2 | Low  | 5755 | 5650~5700 | -37.15 | <=-9.12  | PASS |
|            |      |      |      | 5700~5720 | -34.86 | <=-14.60 | PASS |
|            |      |      |      | 5720~5725 | -34.8  | <=-24.05 | PASS |
|            |      |      |      | 5780~5650 | -38.72 | <=-27    | PASS |
|            | Ant1 | High | 5795 | 5850~5855 | -37.91 | <=-21.30 | PASS |
|            |      |      |      | 5855~5875 | -37.31 | <=-12.26 | PASS |
|            |      |      |      | 5875~5925 | -36.42 | <=-25.58 | PASS |
|            |      |      |      | 5925~5935 | -37.62 | <=-27    | PASS |
|            | Ant2 | High | 5795 | 5850~5855 | -37.35 | <=-26.94 | PASS |
|            |      |      |      | 5855~5875 | -37.25 | <=-13.50 | PASS |
|            |      |      |      | 5875~5925 | -37.22 | <=-7.39  | PASS |
|            |      |      |      | 5925~5935 | -37.1  | <=-27    | PASS |
|            | Ant1 | Low  | 5775 | 5650~5700 | -38.02 | <=-0.61  | PASS |
|            |      |      |      | 5700~5720 | -37.1  | <=-12.09 | PASS |
|            |      |      |      | 5720~5725 | -36.6  | <=-24.83 | PASS |
|            |      |      |      | 5800~5650 | -39    | <=-27    | PASS |
|            |      | High | 5775 | 5850~5855 | -38.27 | <=-25.92 | PASS |
|            |      |      |      | 5855~5875 | -37.45 | <=-11.37 | PASS |
|            |      |      |      | 5875~5925 | -37.3  | <=-5.76  | PASS |
|            |      |      |      | 5925~5935 | -37.63 | <=-27    | PASS |
|            | Ant2 | Low  | 5775 | 5650~5700 | -37.54 | <=-11.32 | PASS |
|            |      |      |      | 5700~5720 | -37.7  | <=-14.65 | PASS |
|            |      |      |      | 5720~5725 | -37.93 | <=-20.95 | PASS |
|            |      |      |      | 5800~5650 | -37.04 | <=-27    | PASS |
|            |      | High | 5775 | 5850~5855 | -37.85 | <=-17.06 | PASS |
|            |      |      |      | 5855~5875 | -37.08 | <=-13.03 | PASS |
|            |      |      |      | 5875~5925 | -37.43 | <=-8.50  | PASS |
|            |      |      |      | 5925~5935 | -37.03 | <=-27    | PASS |

## Test Graphs



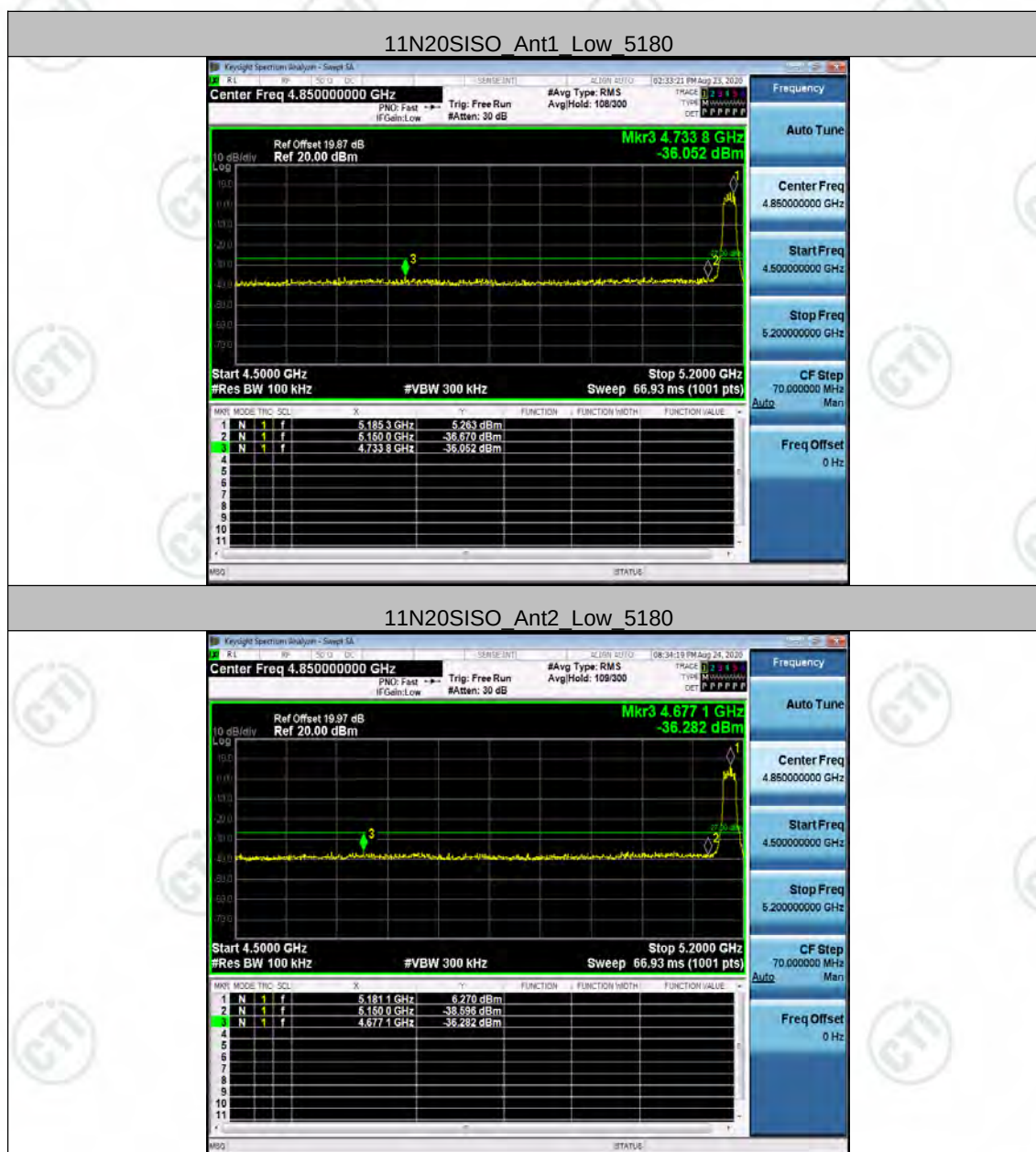




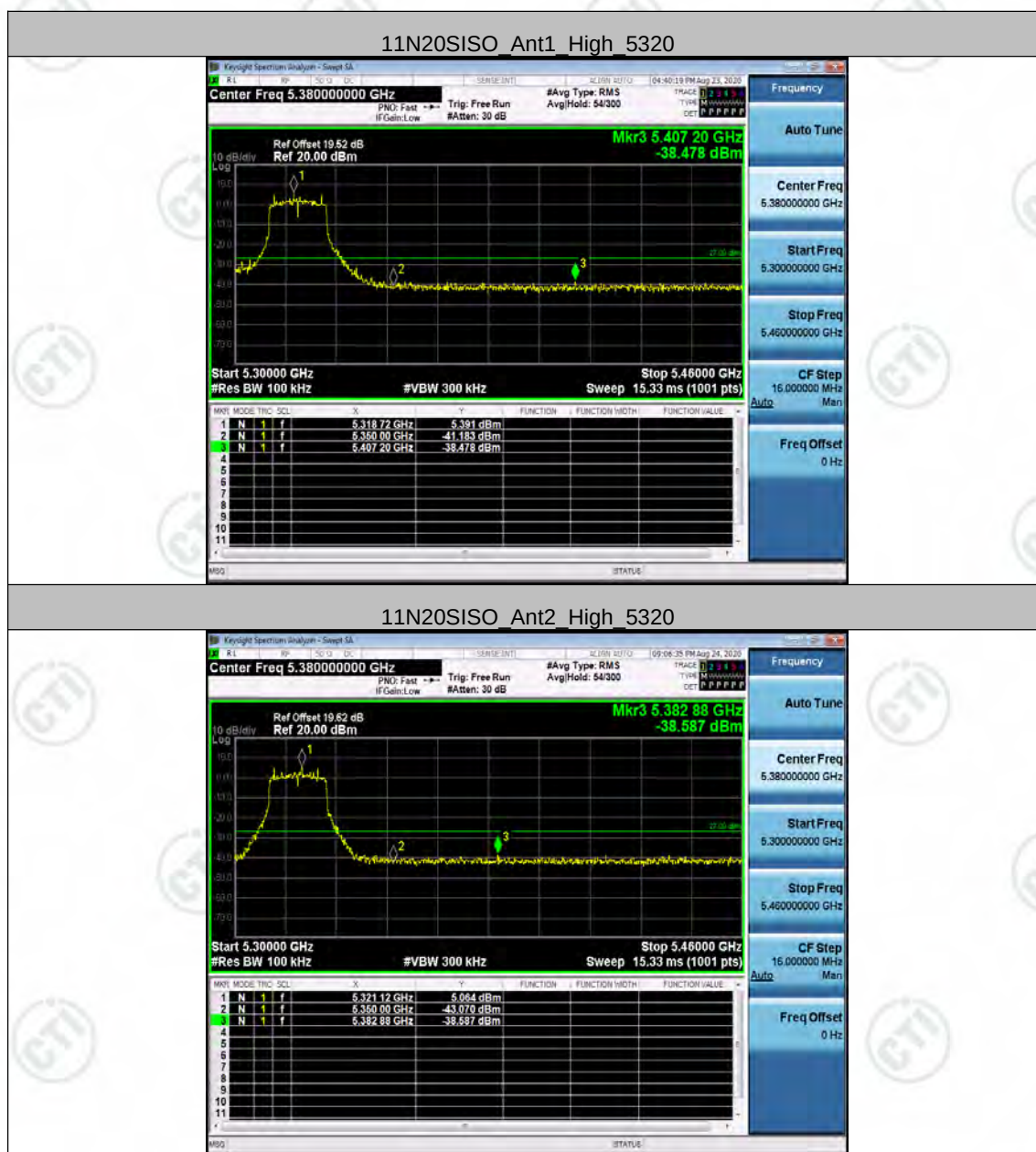


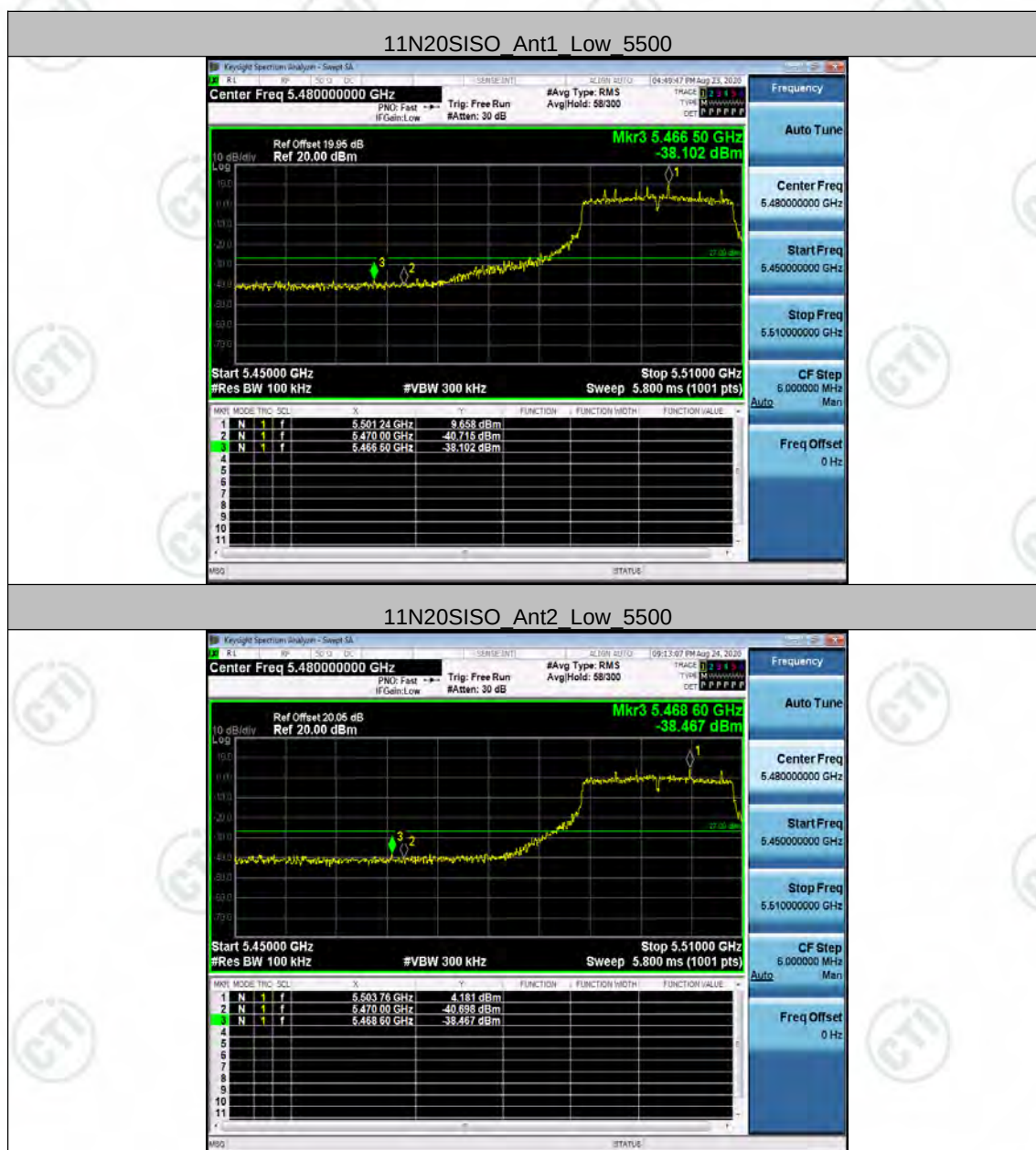








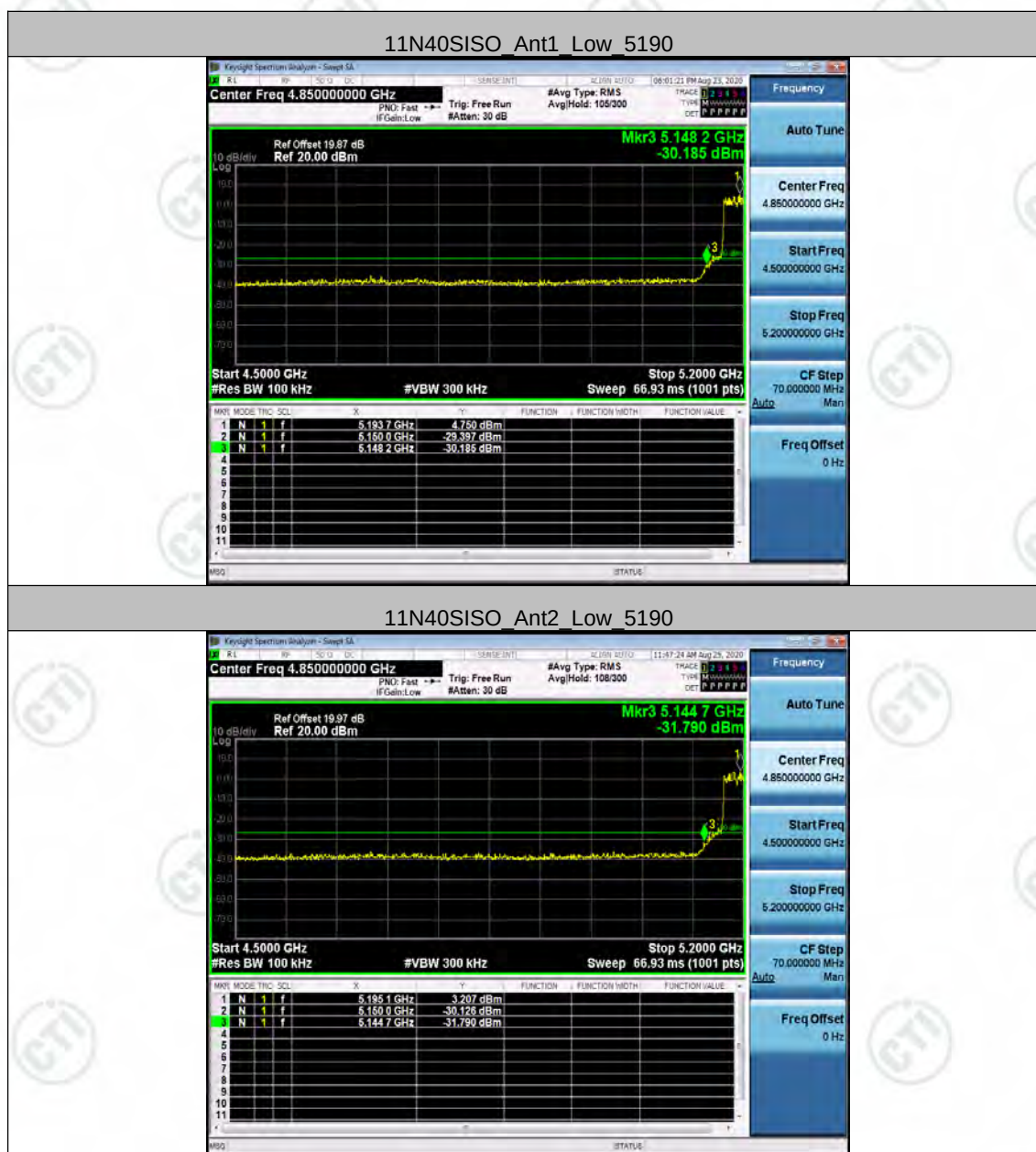


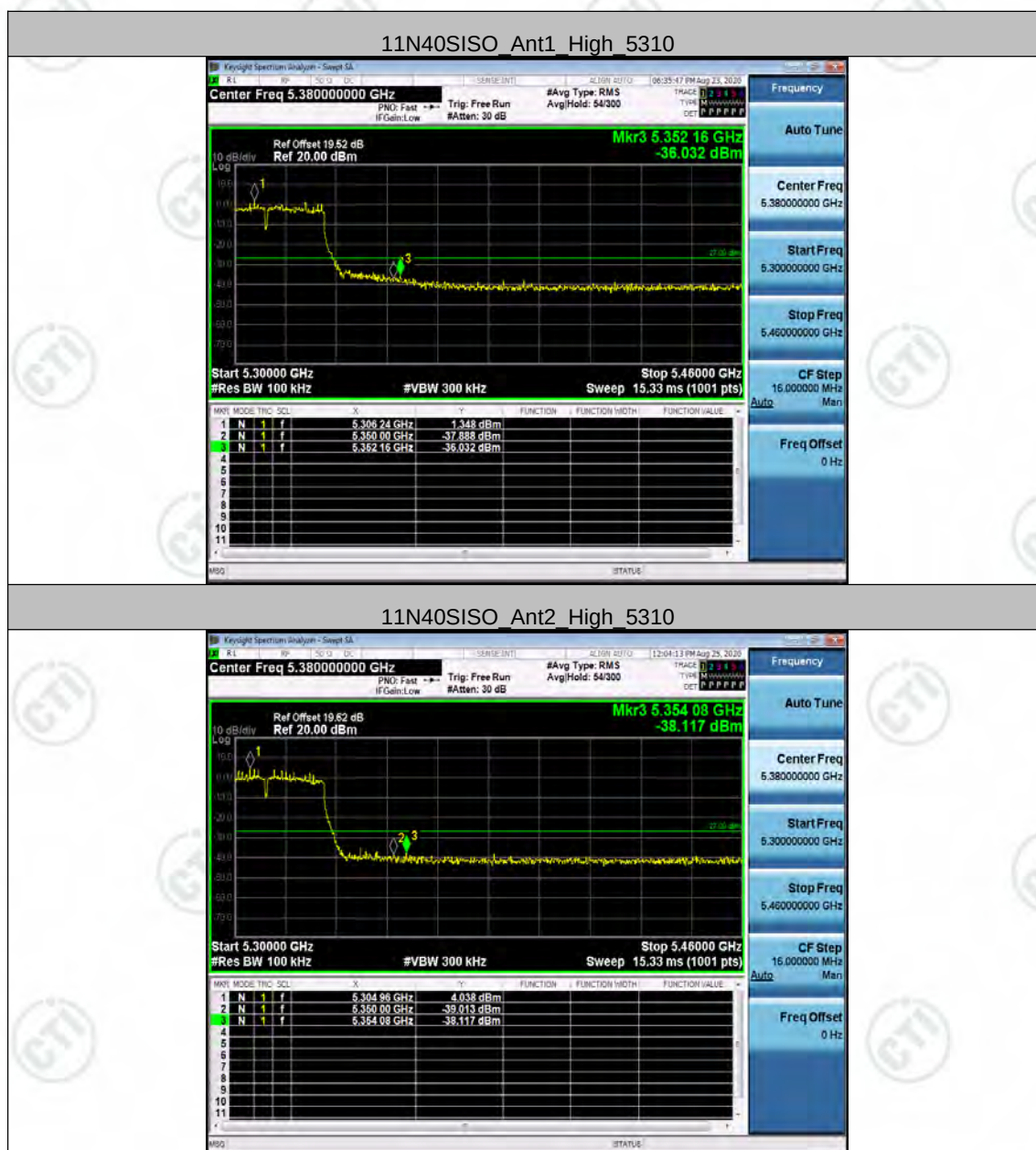




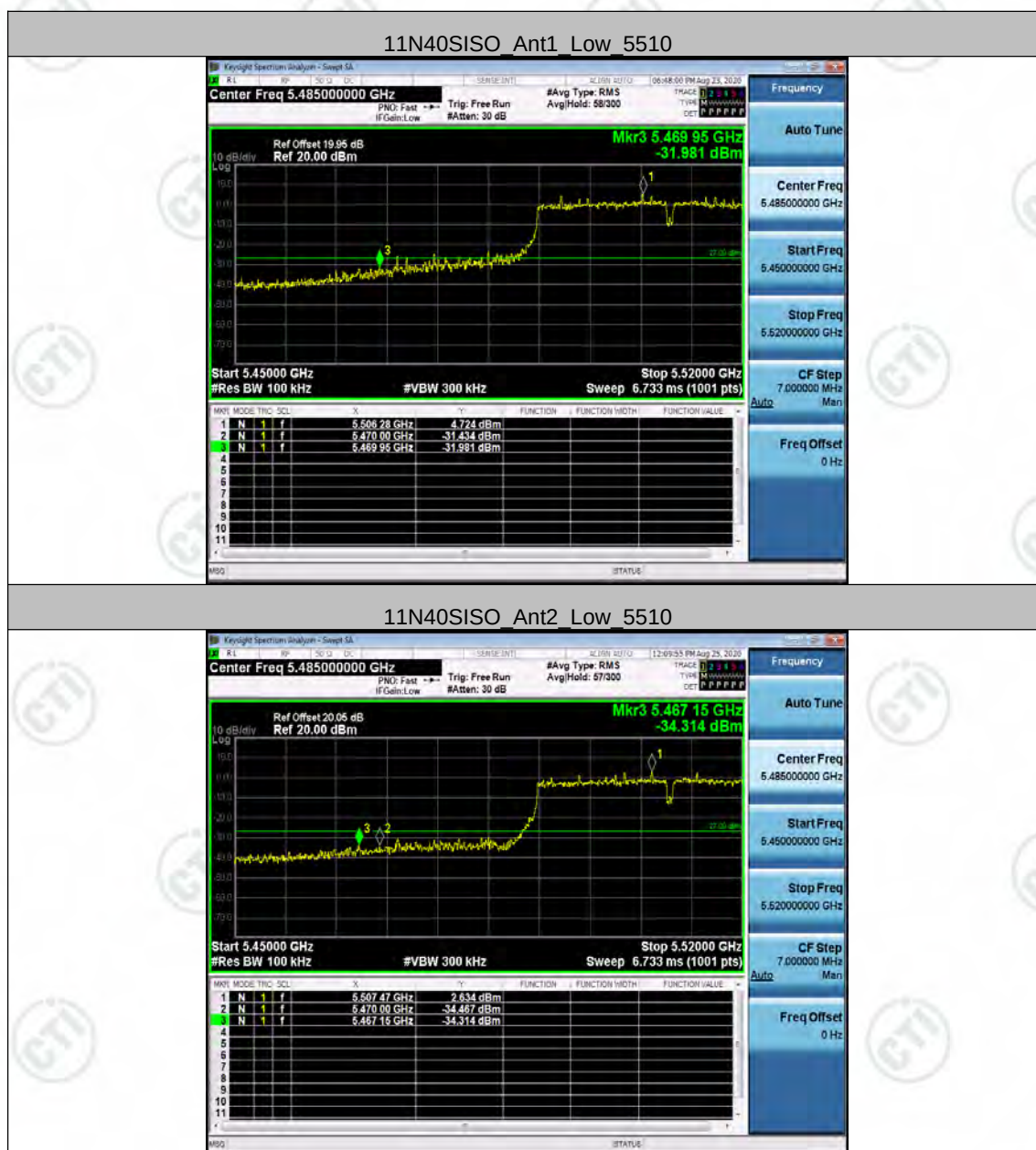




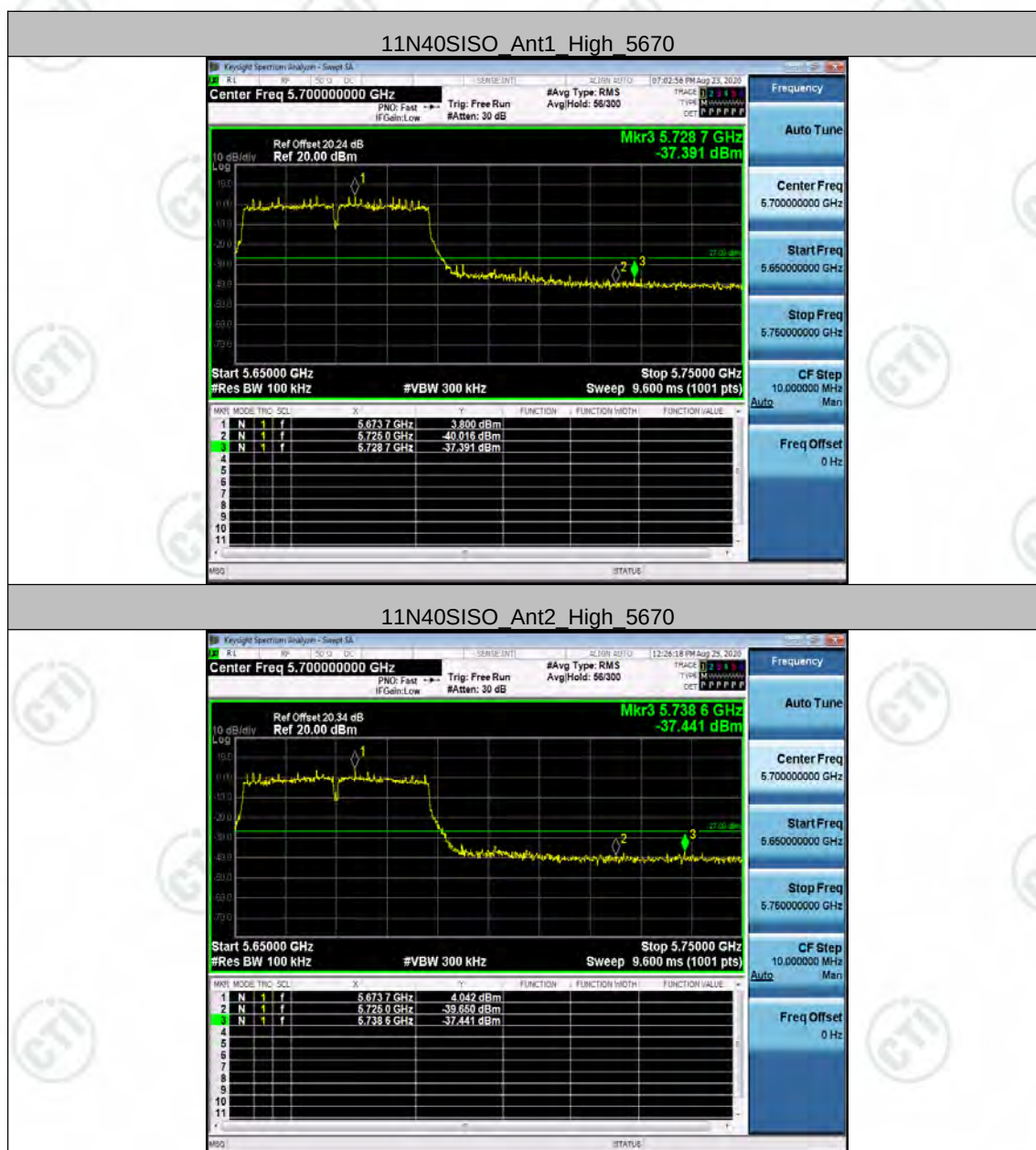


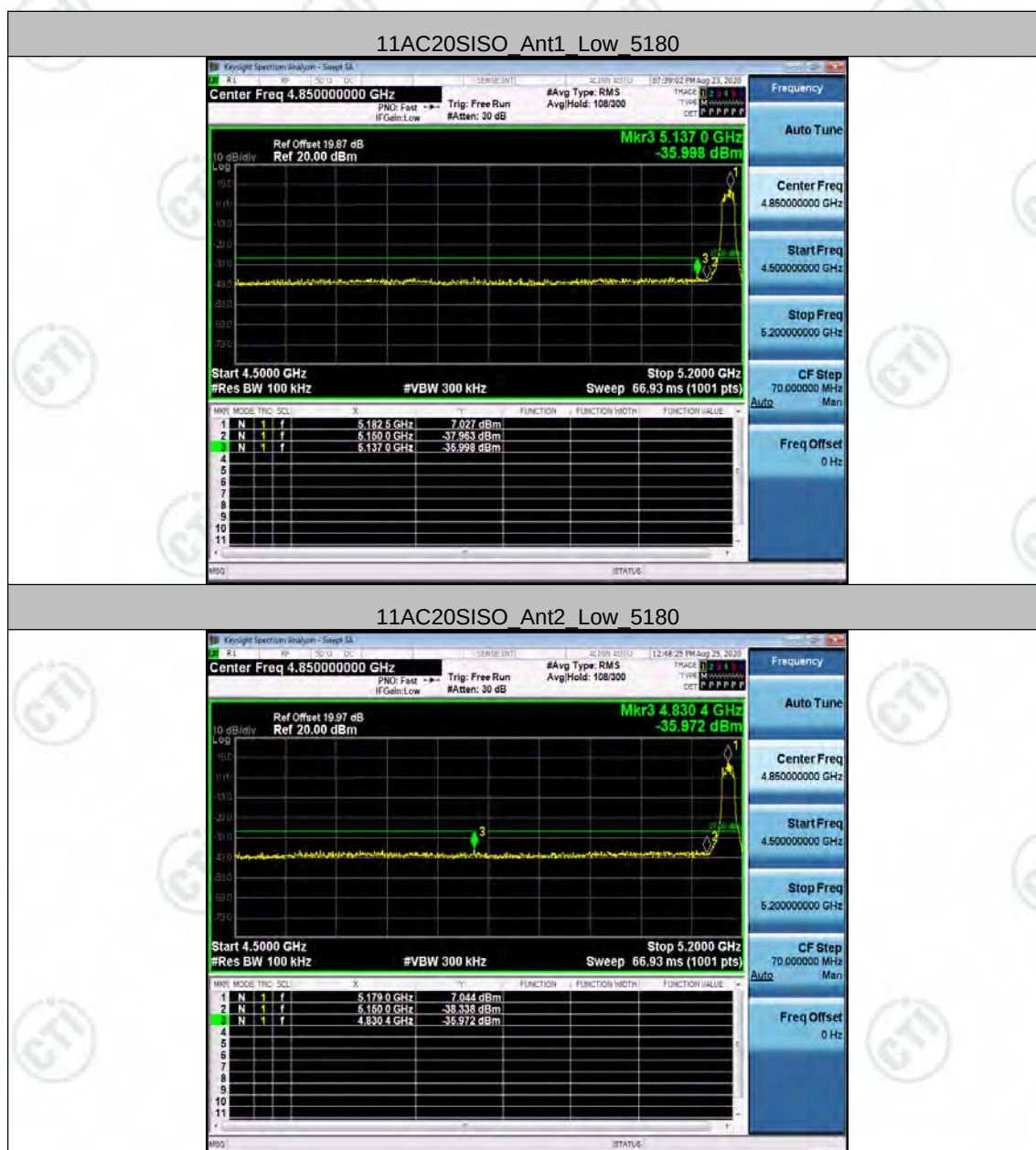




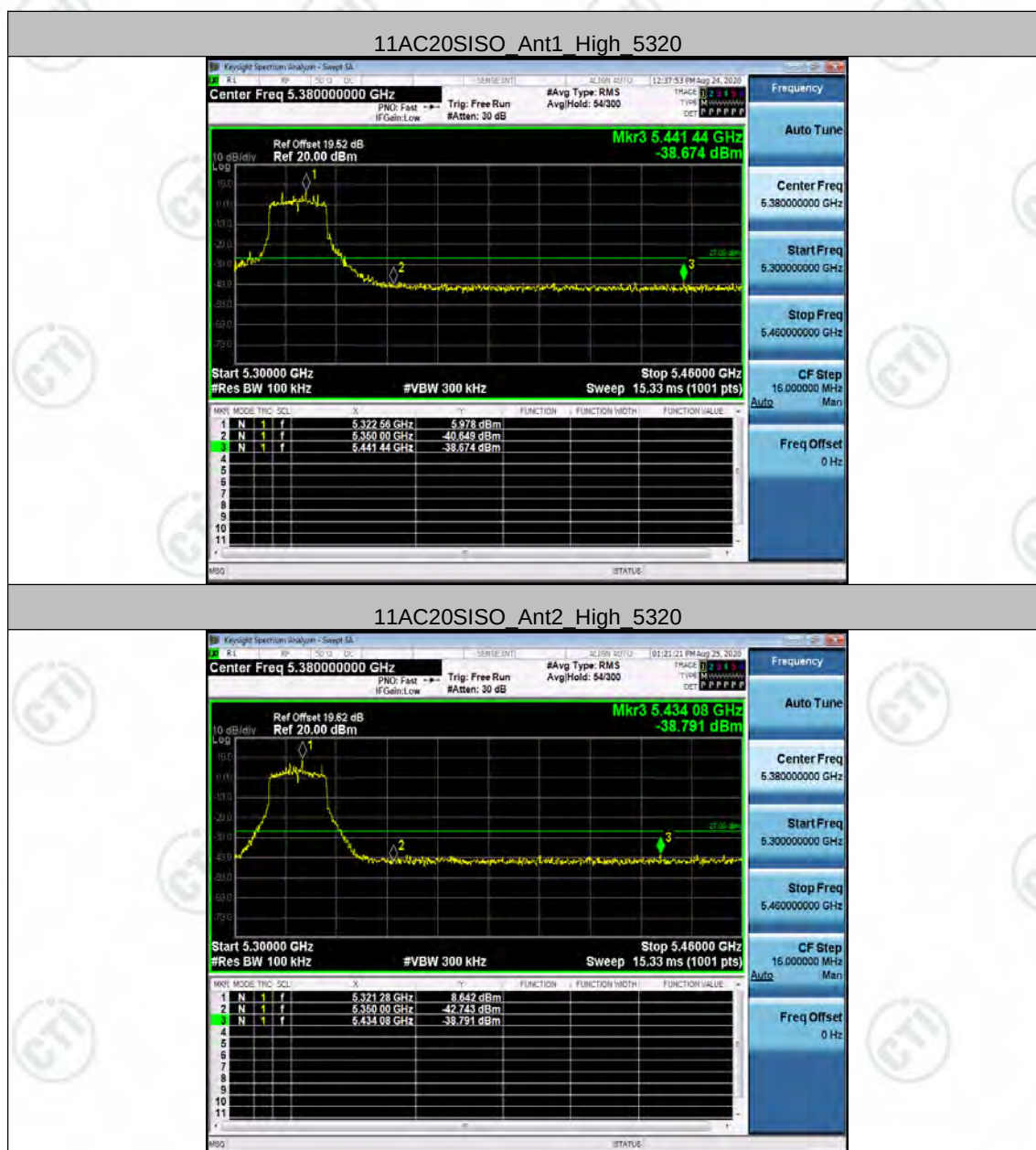










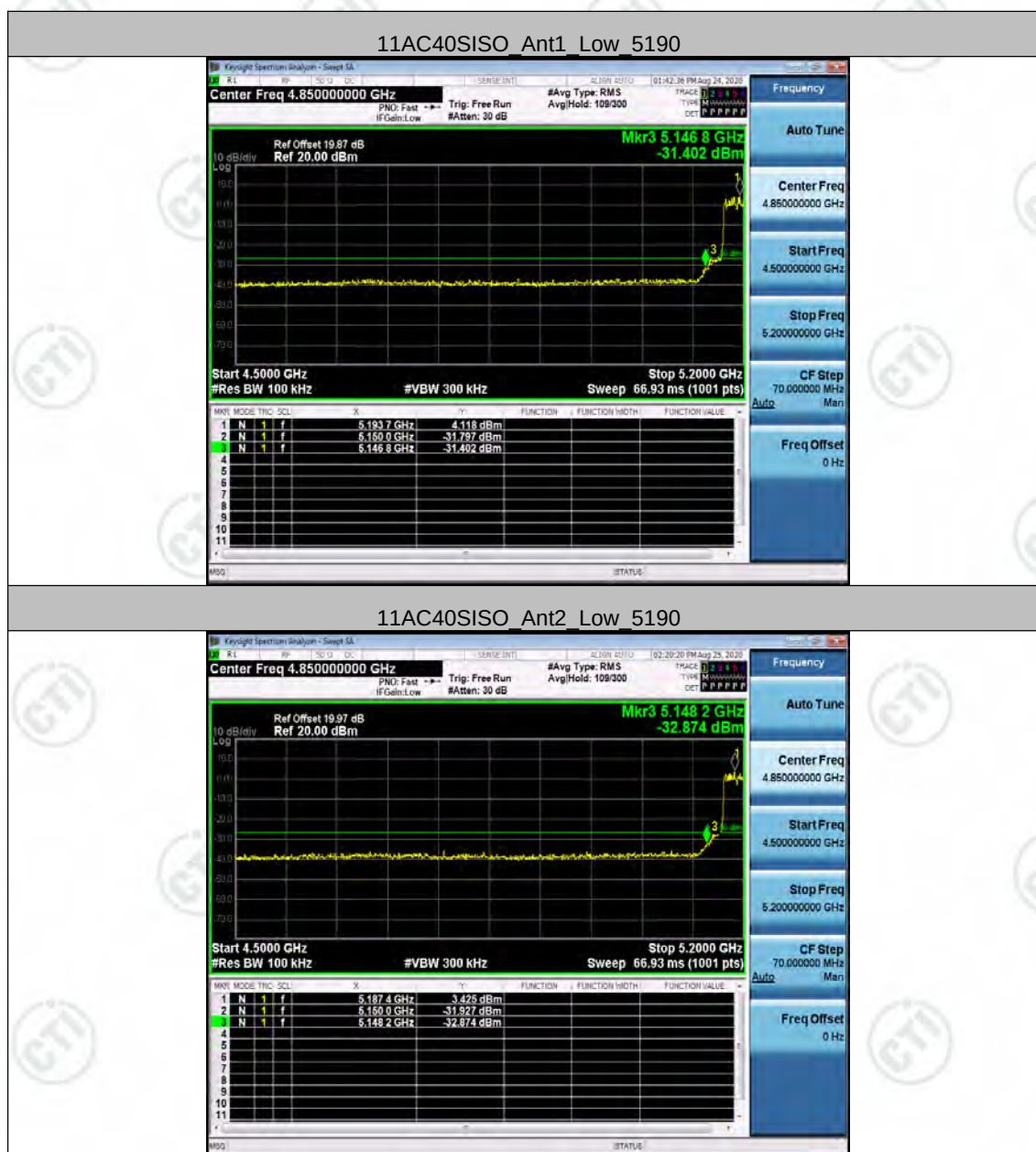




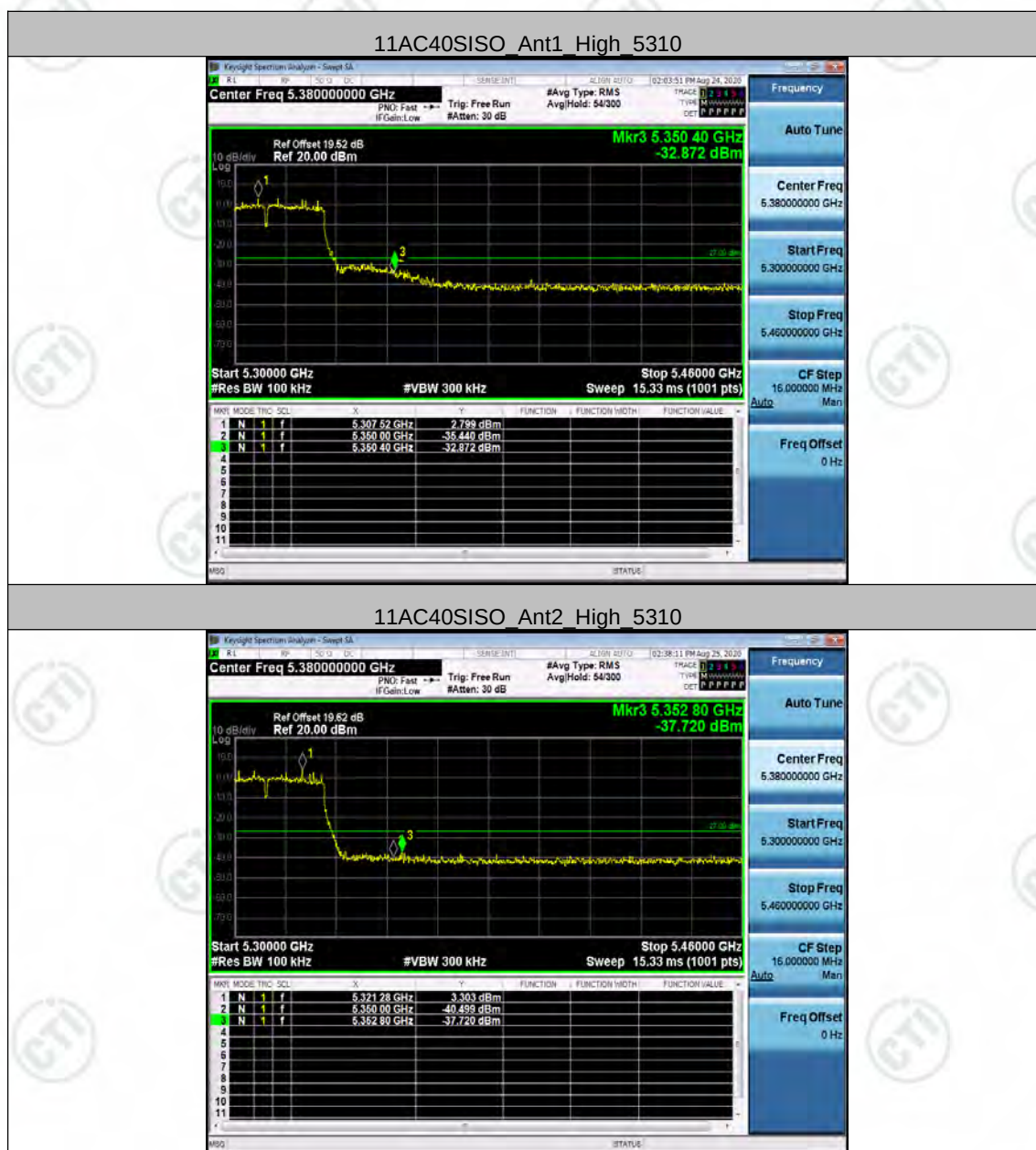


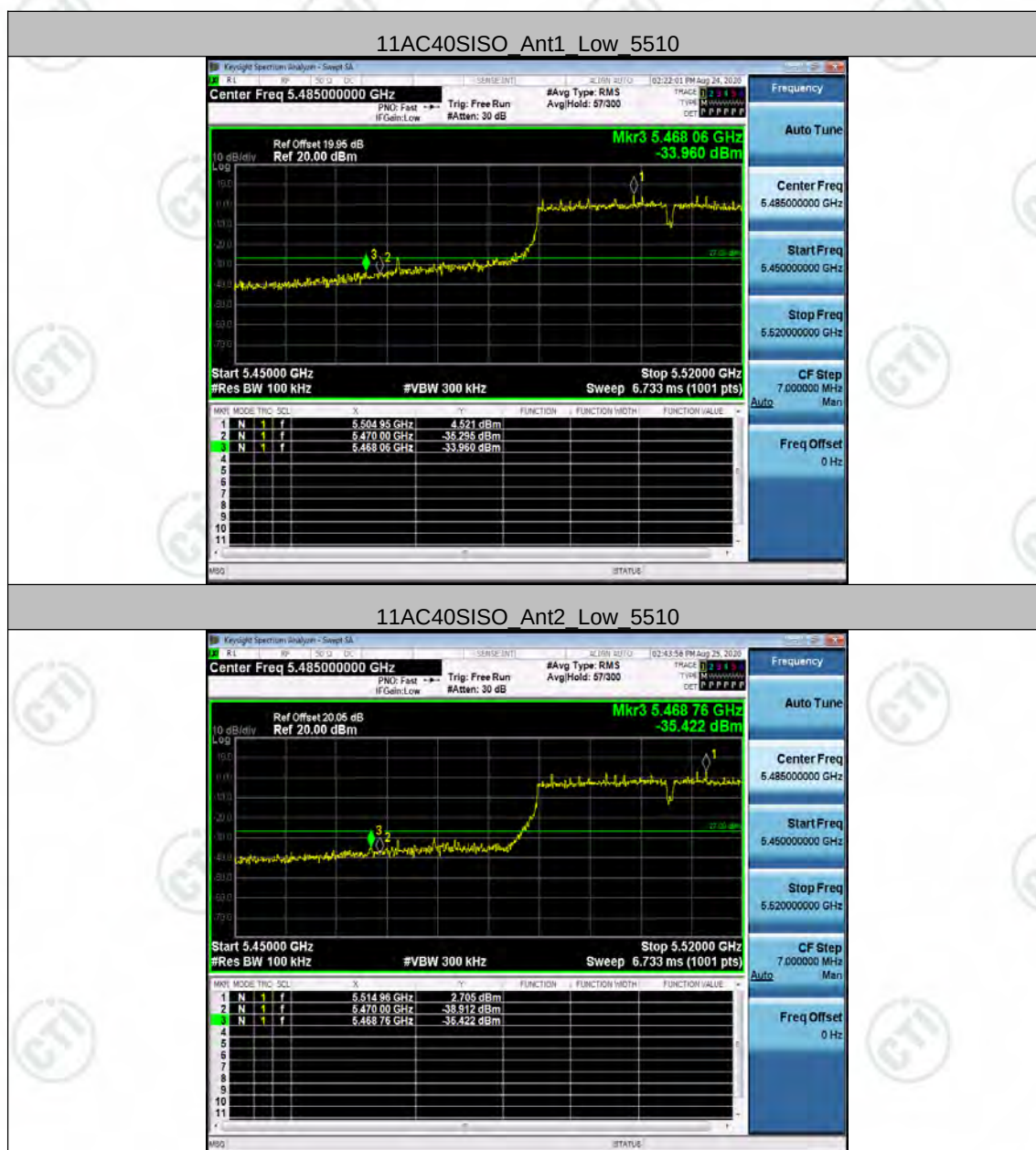




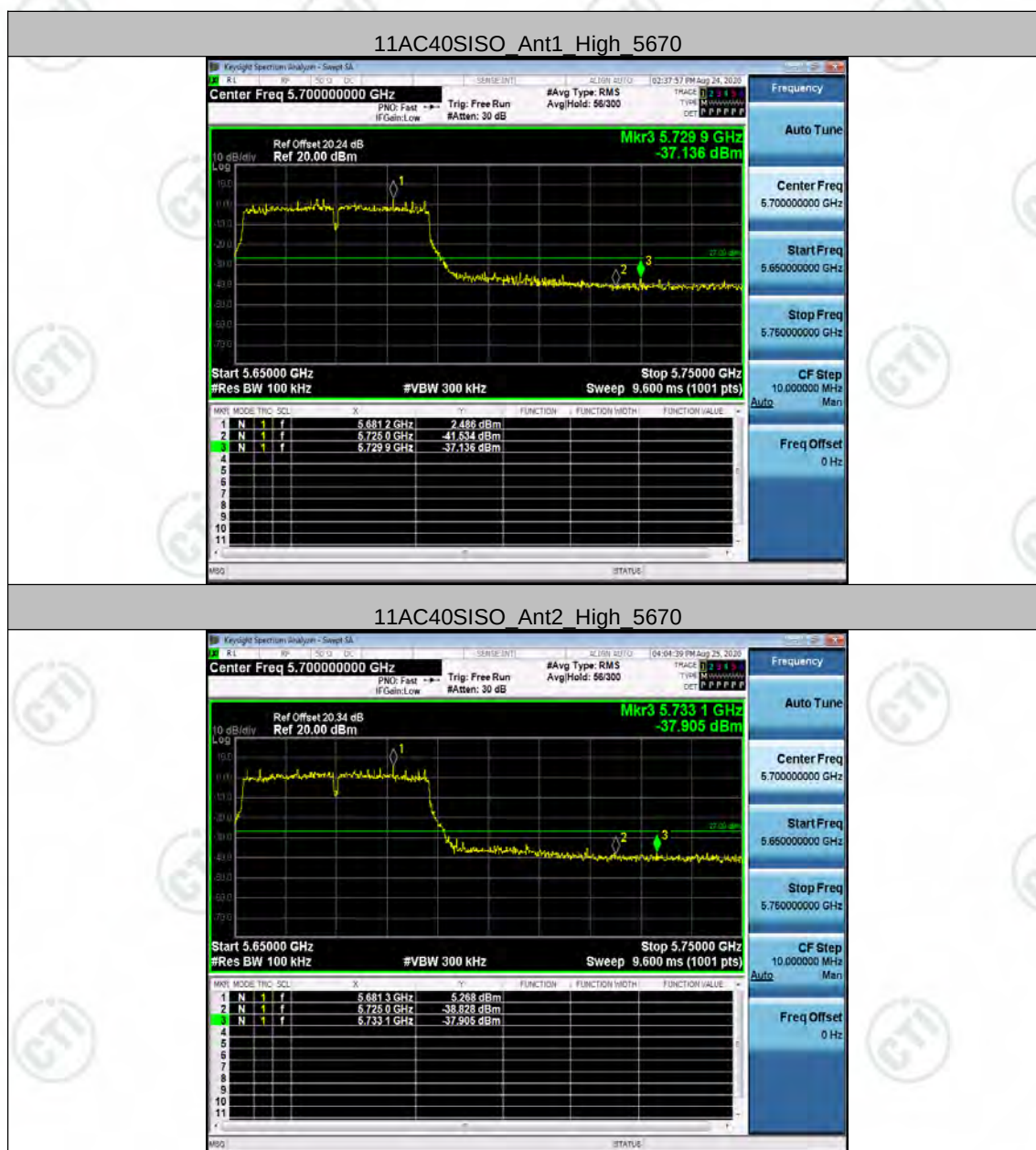




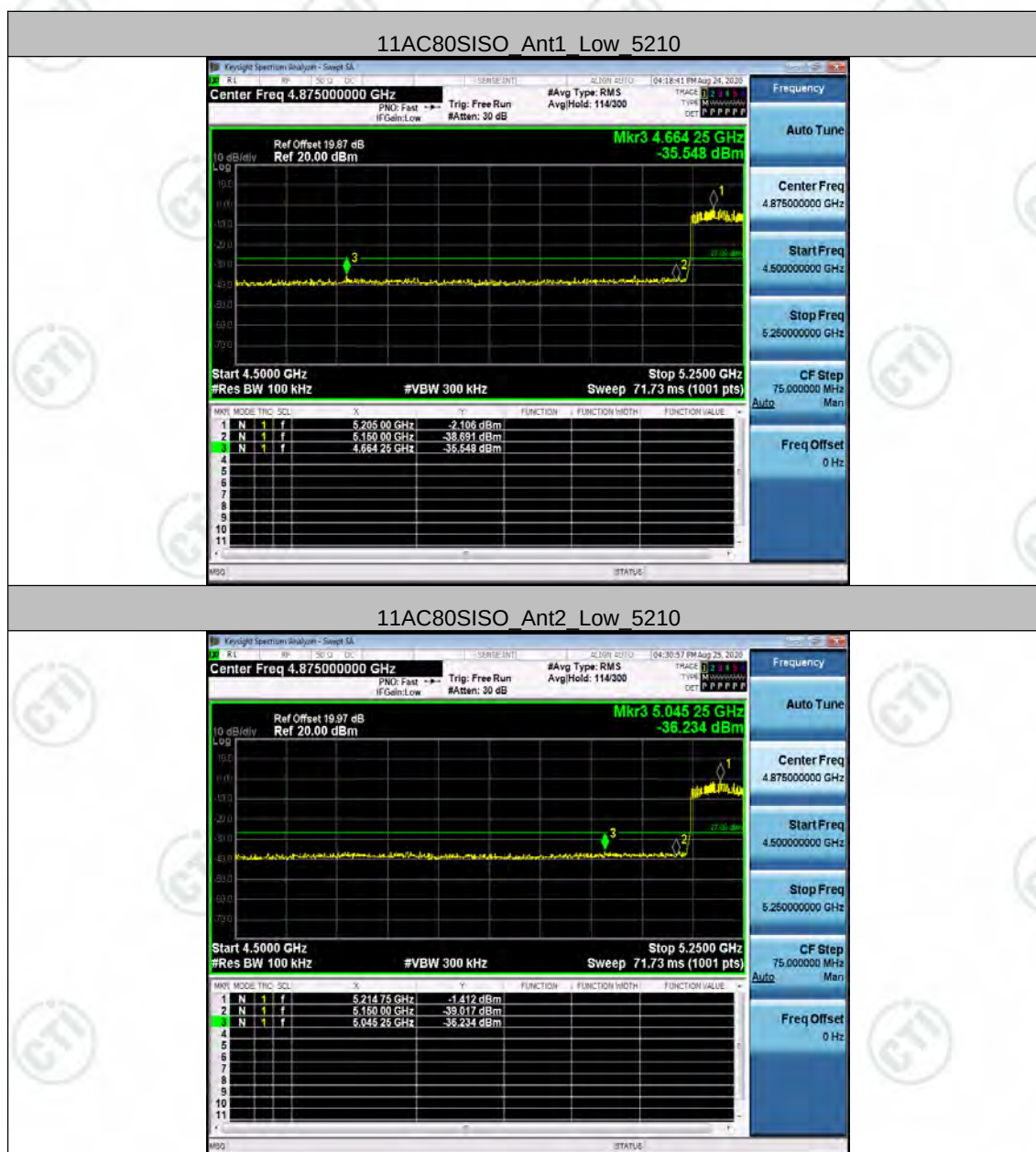


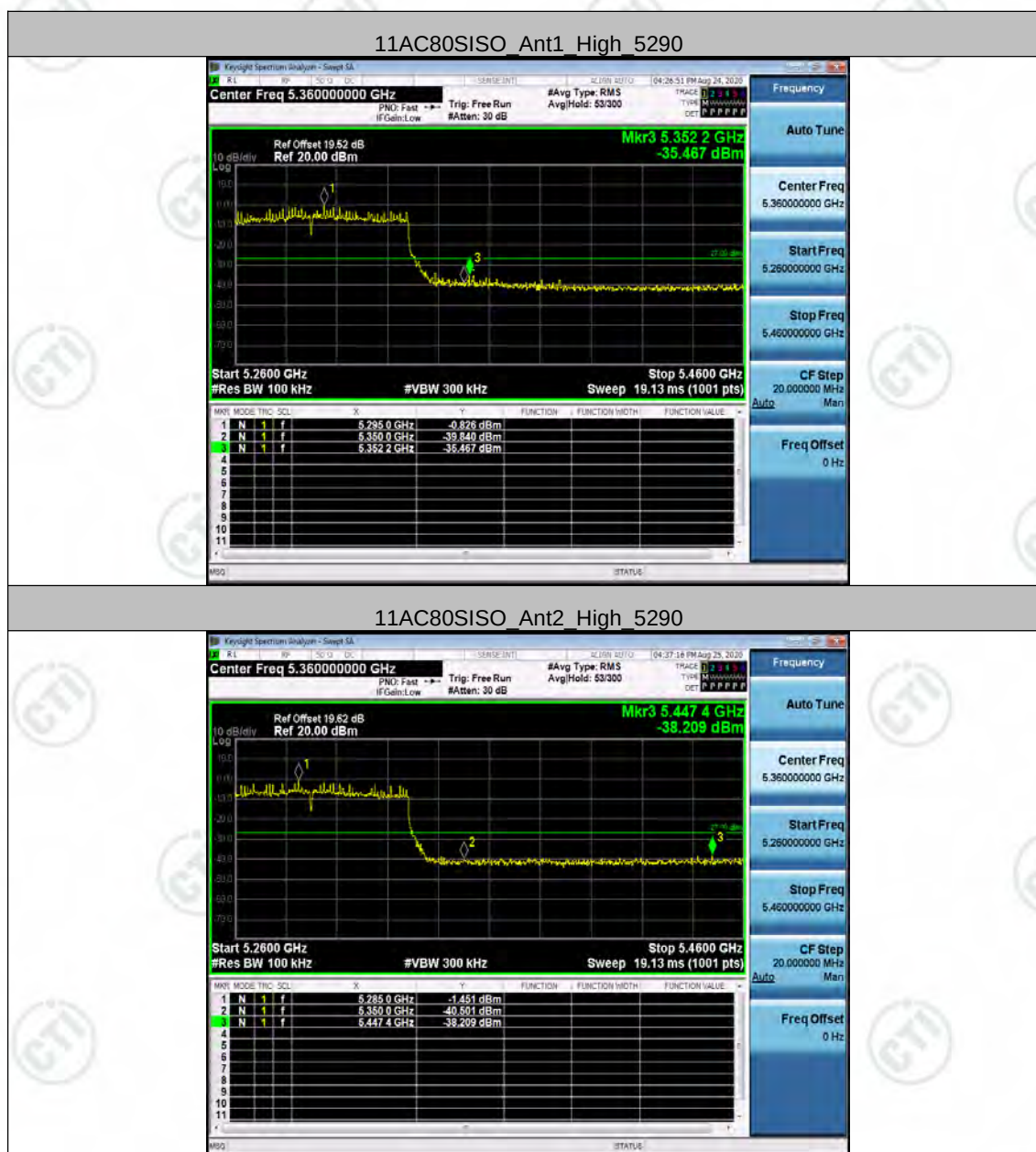




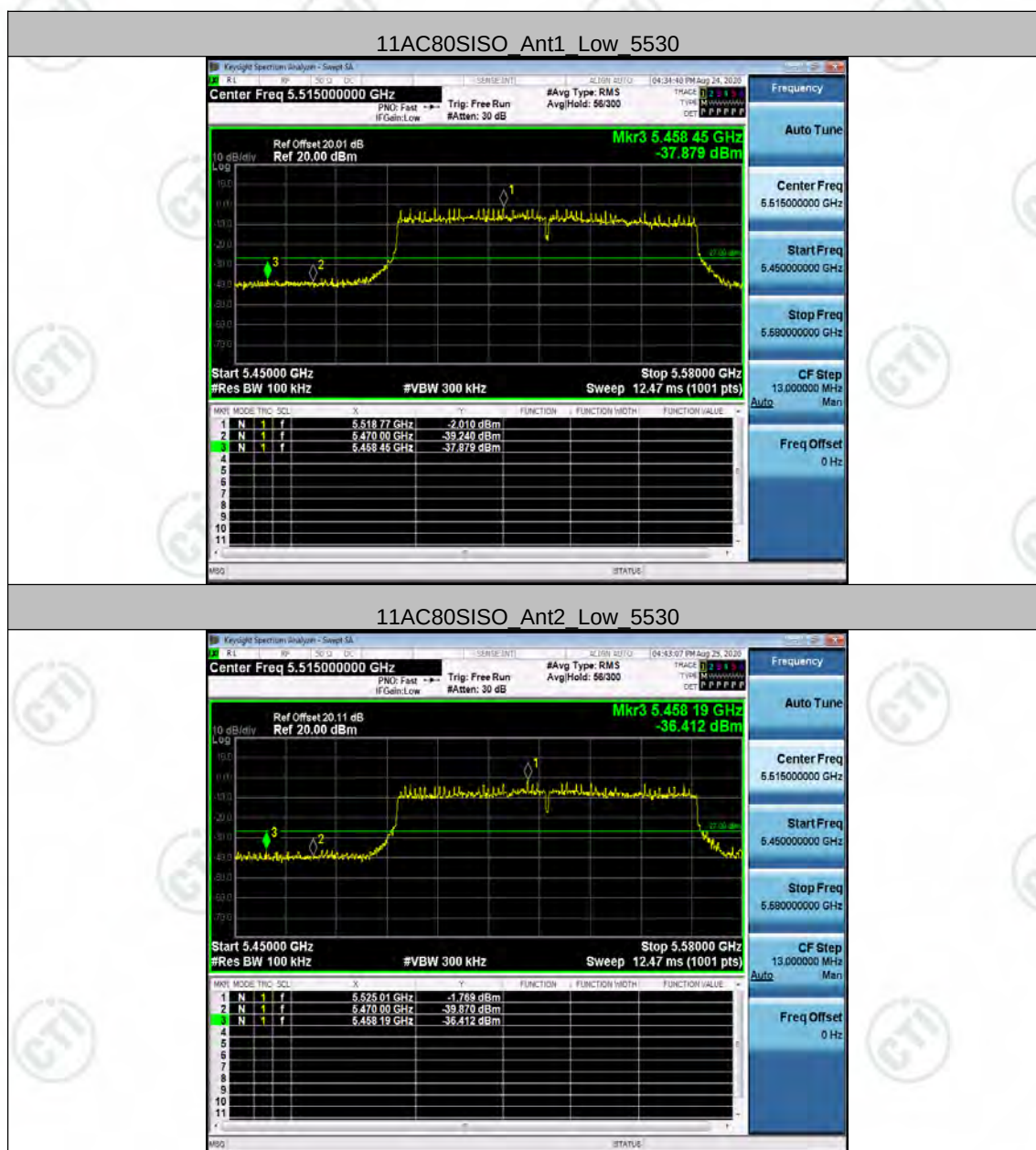




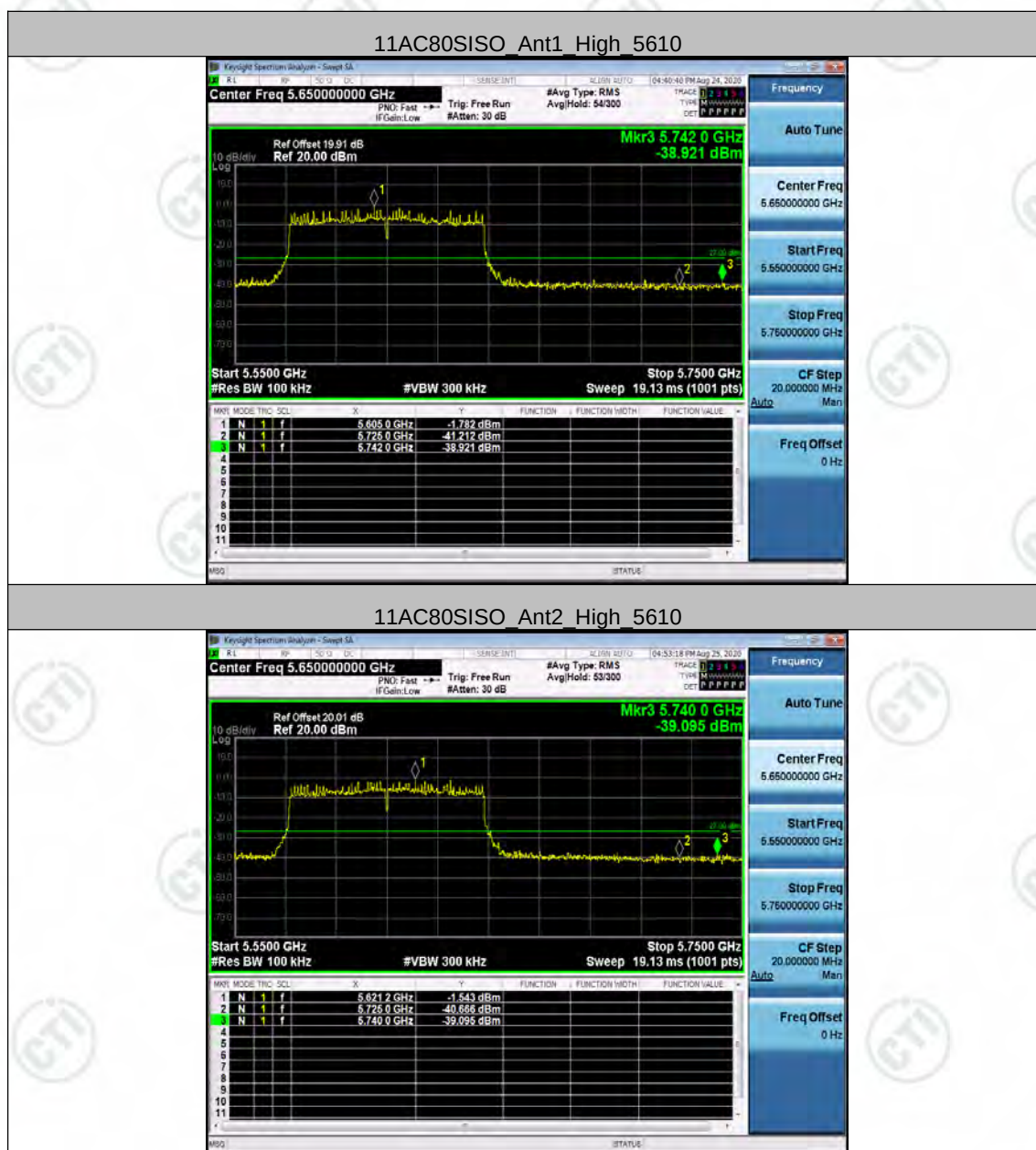


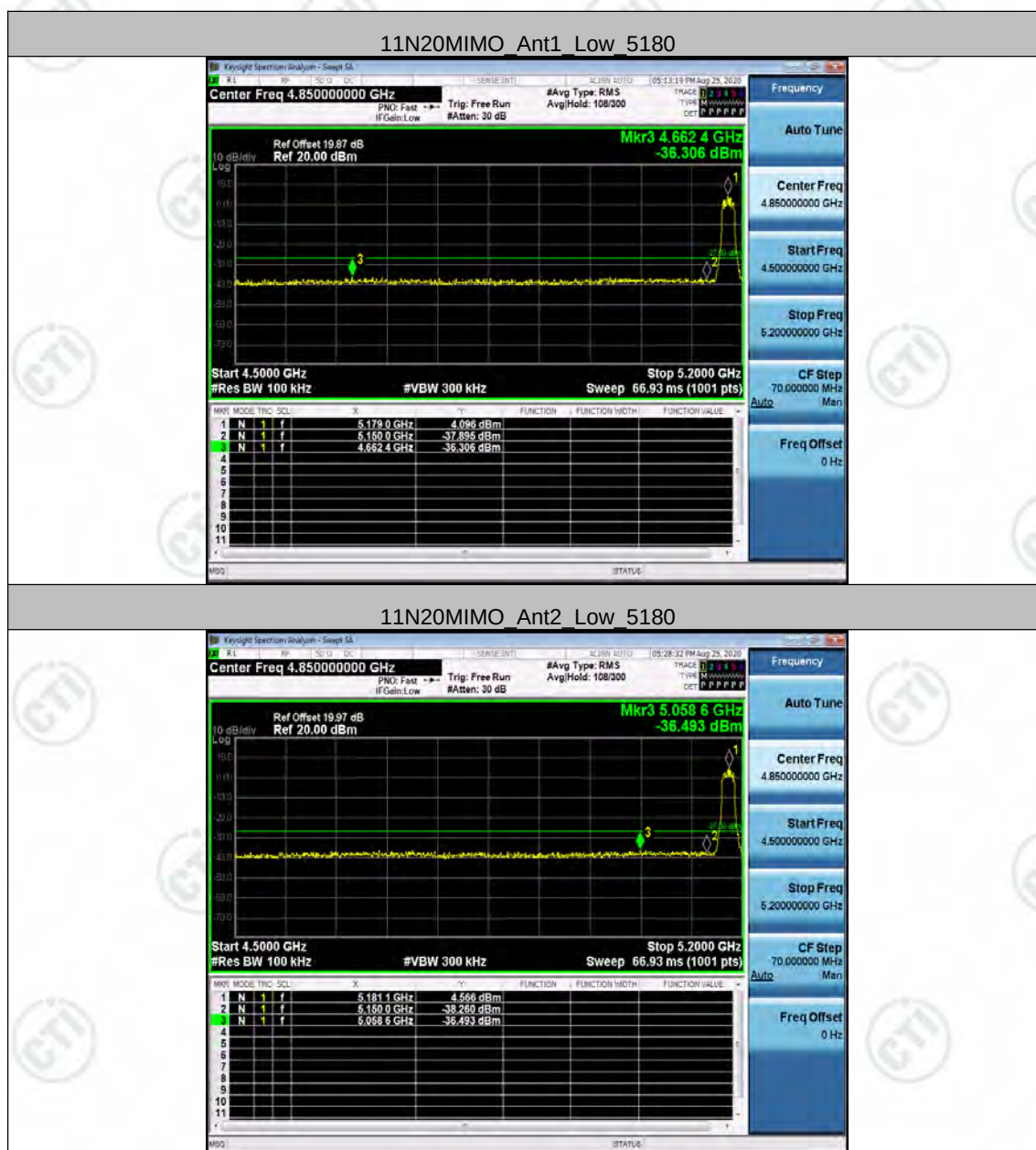




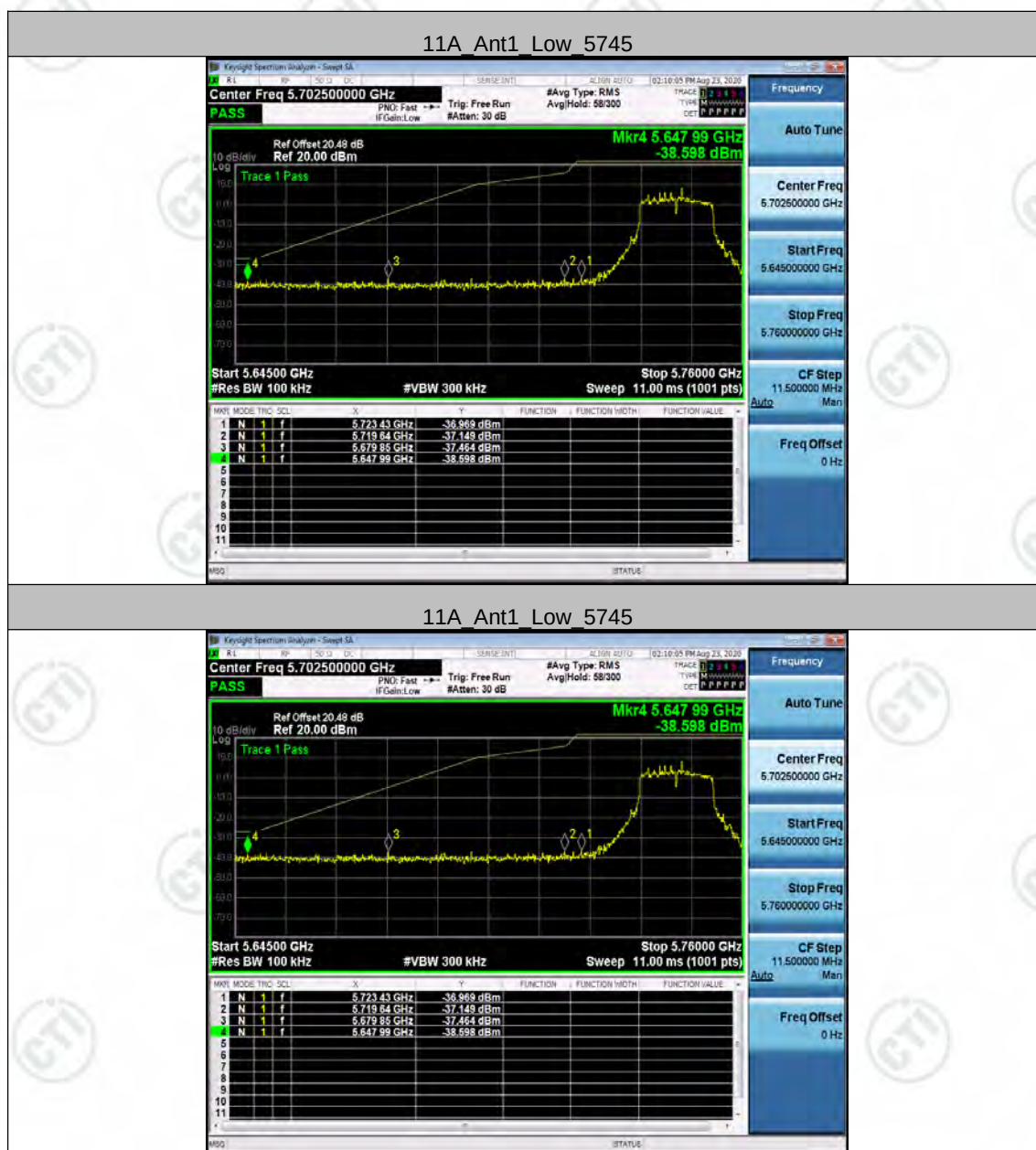




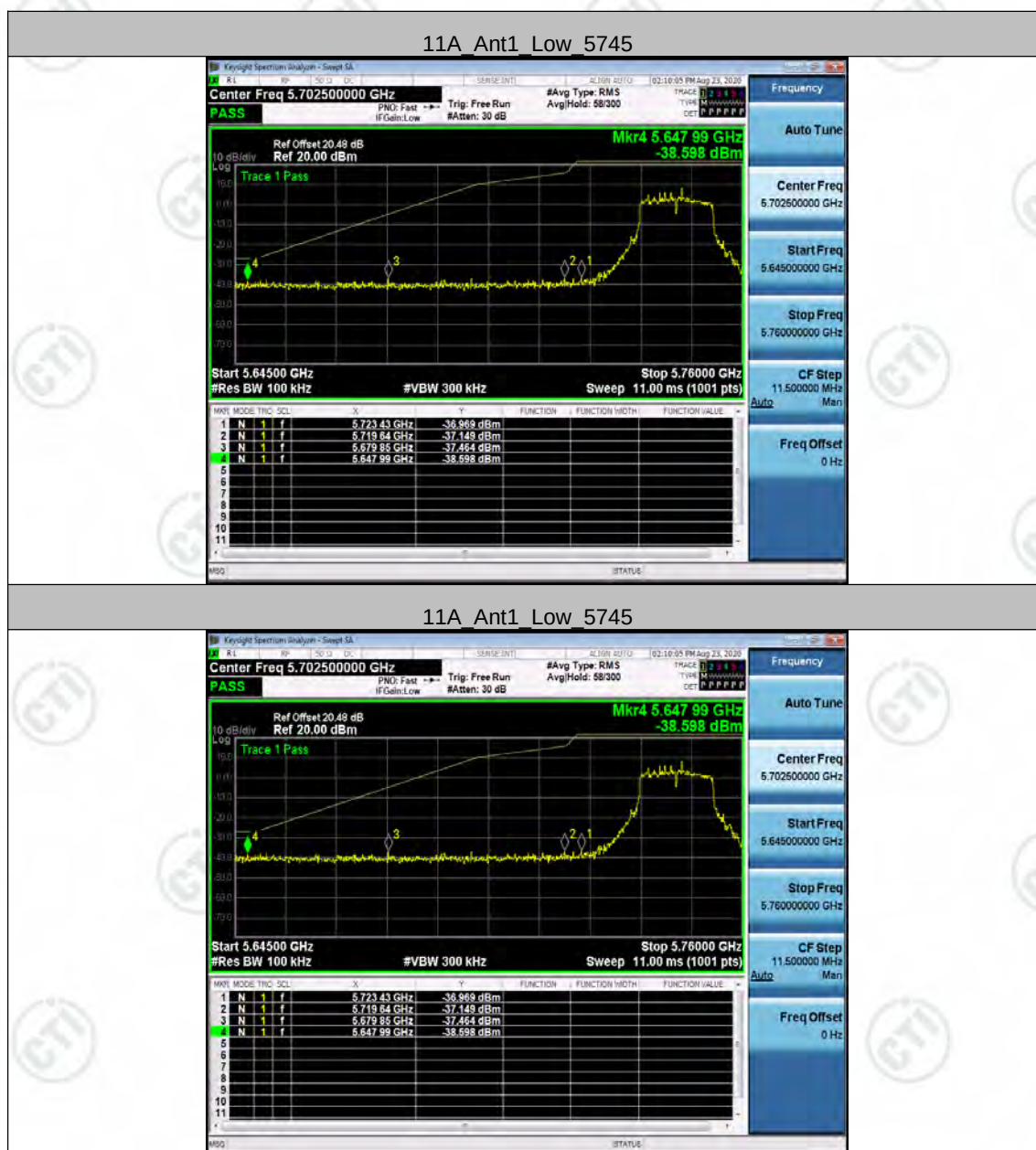


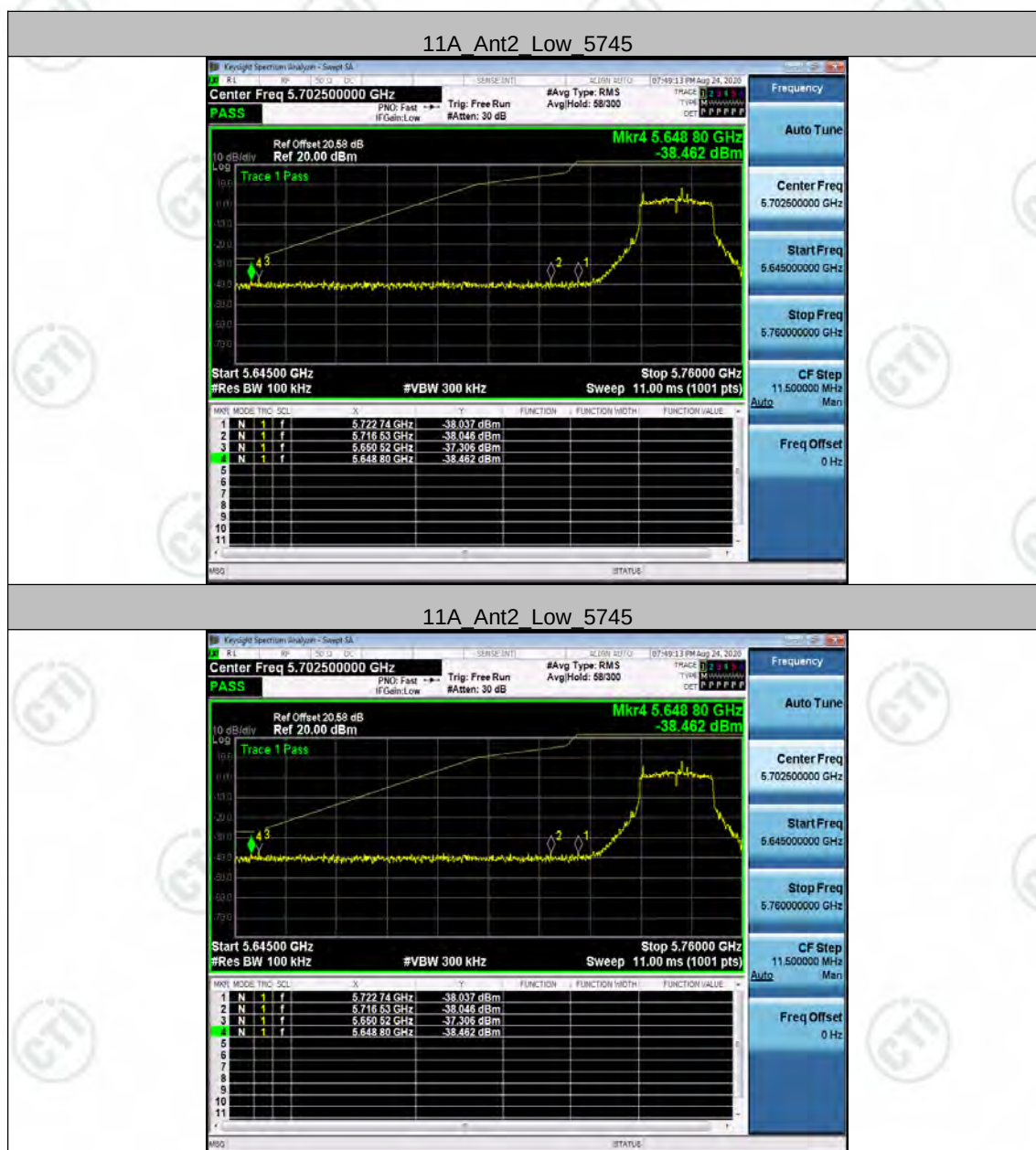




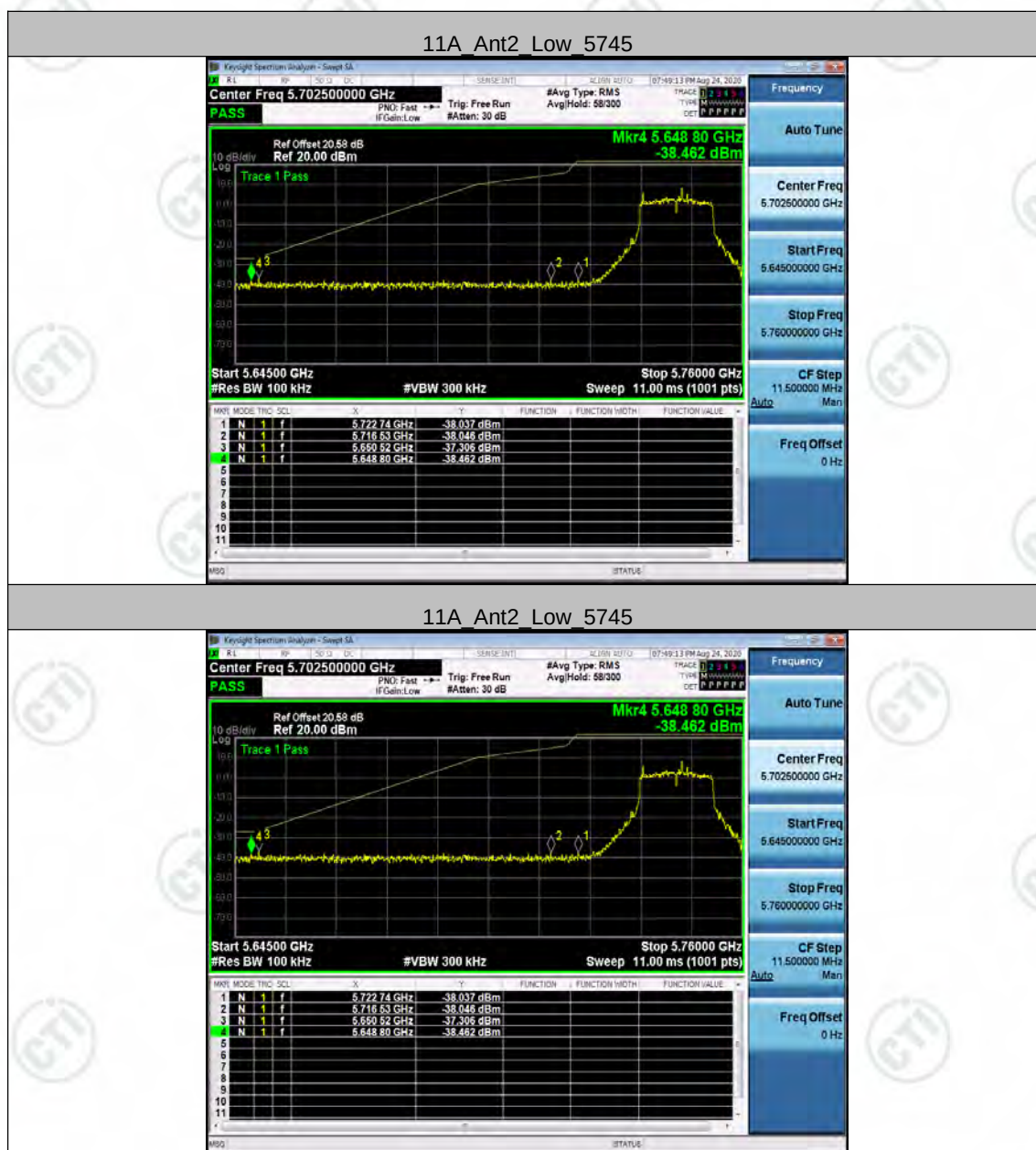




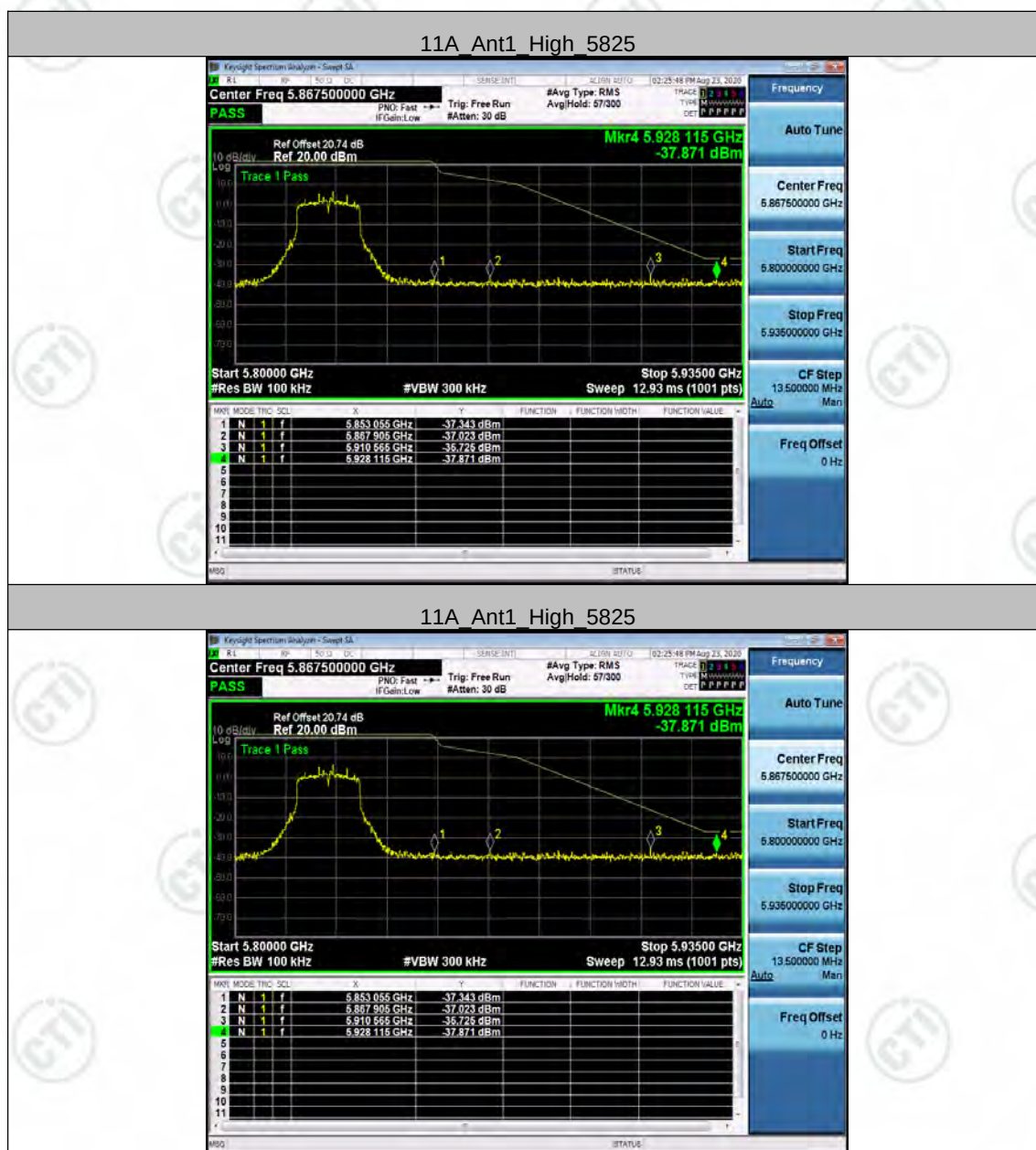


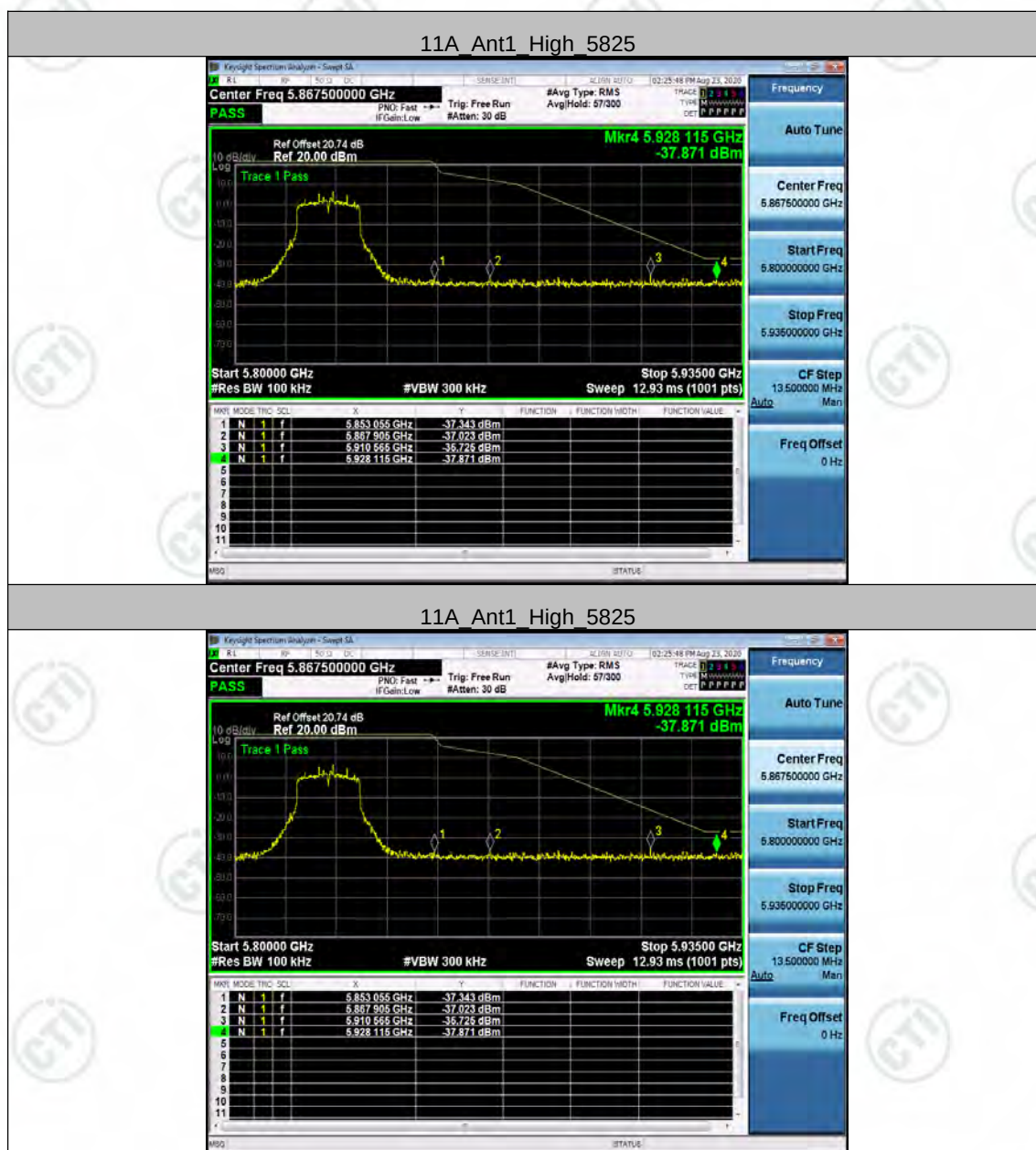










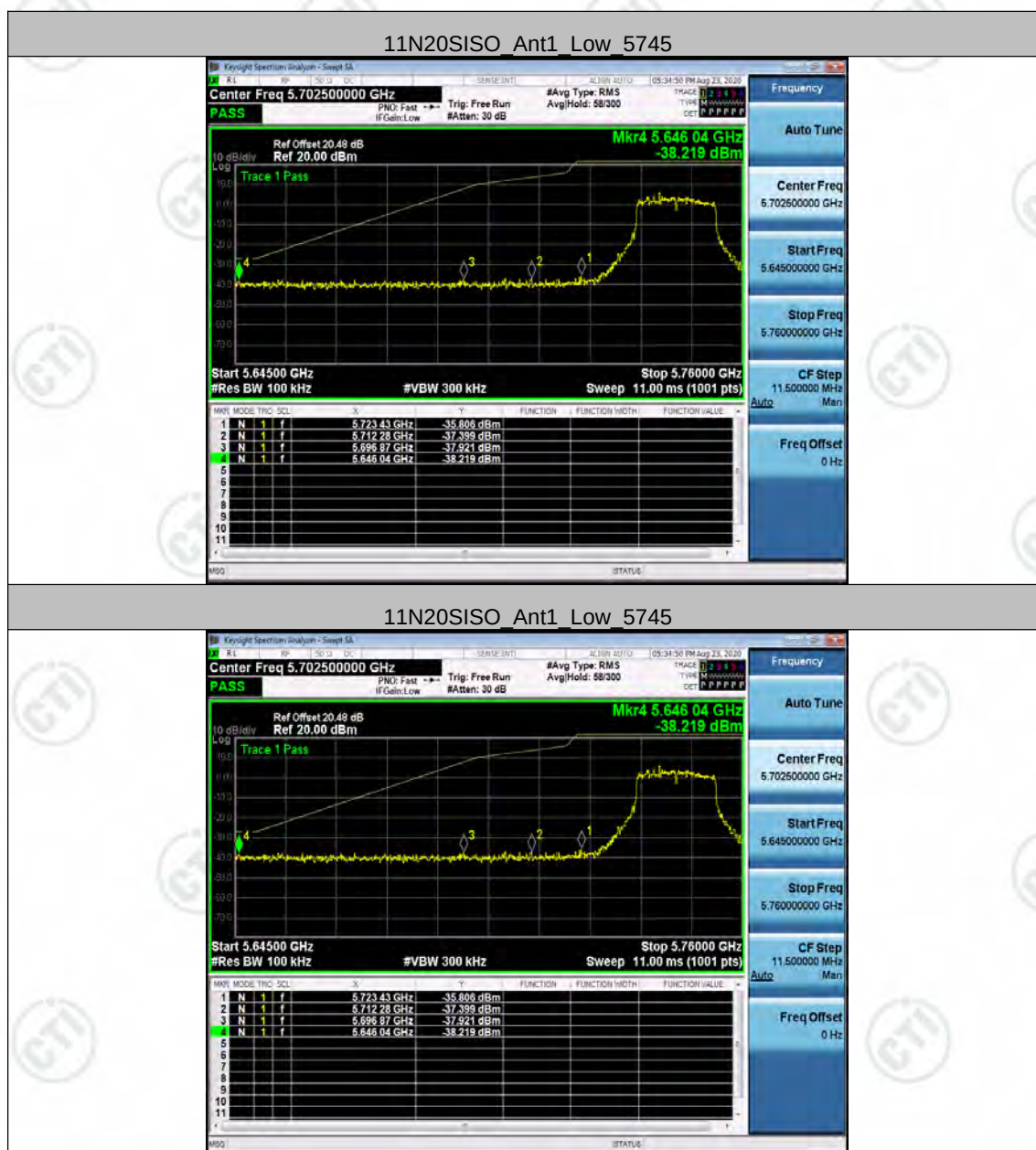




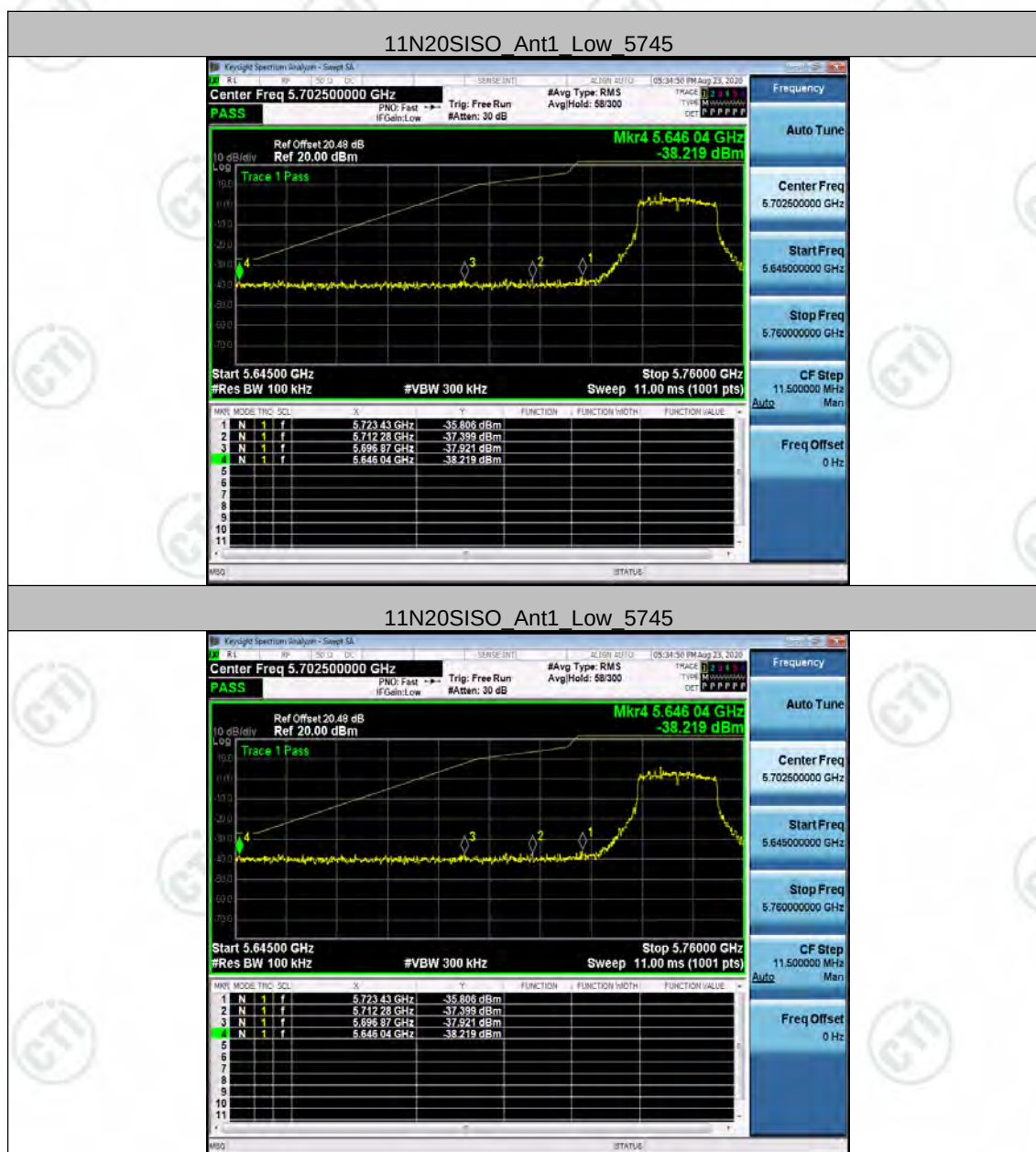




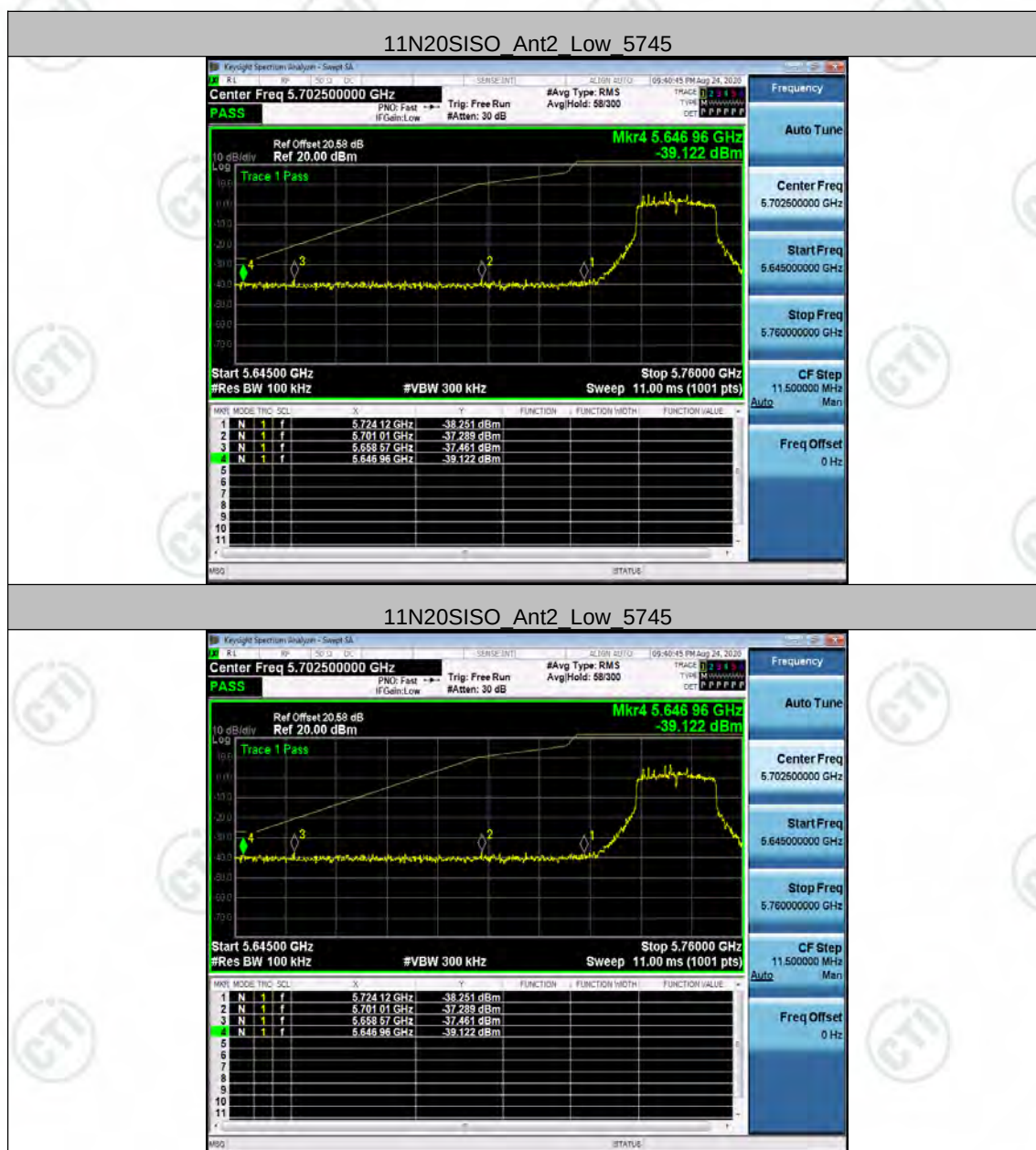


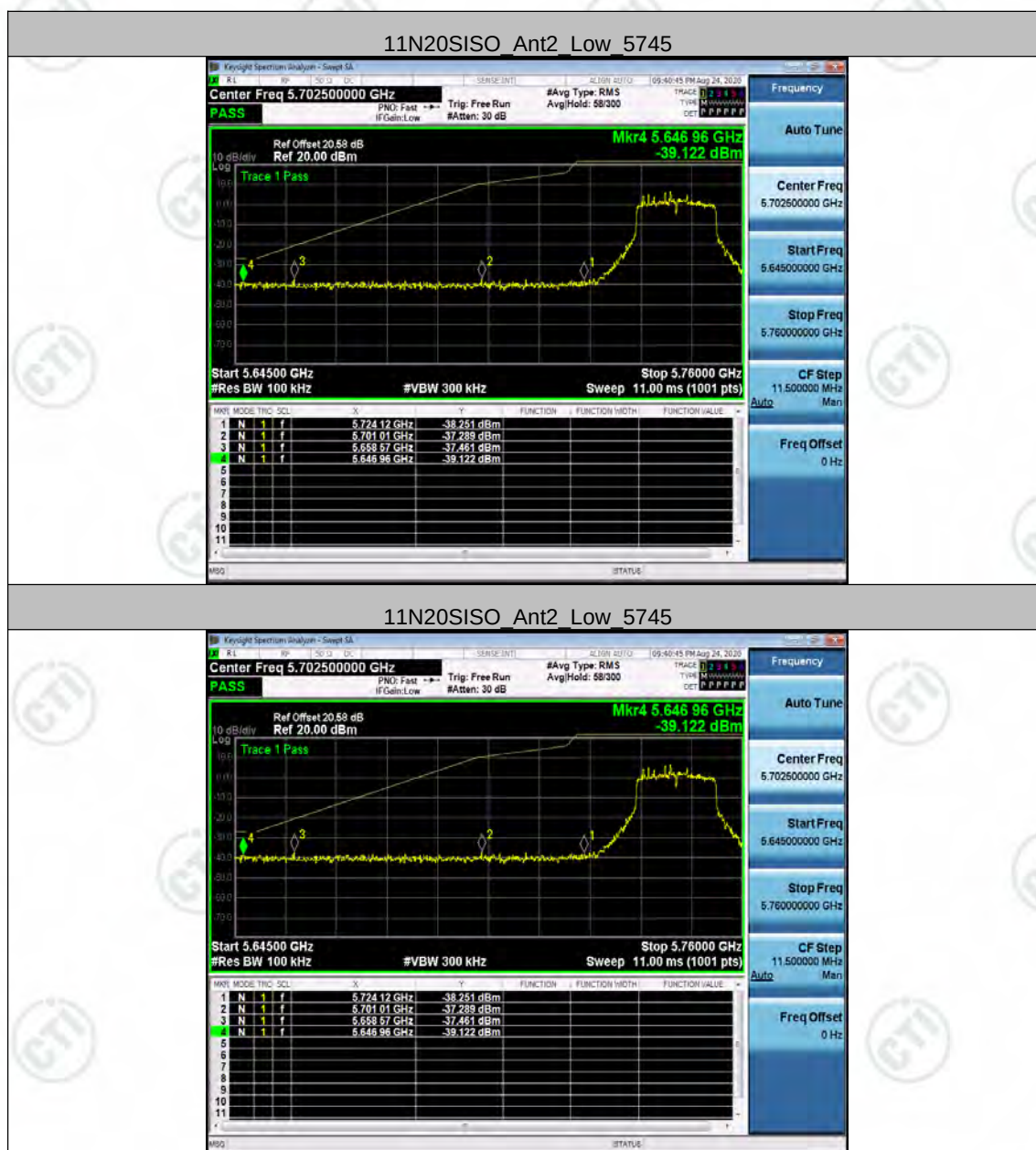




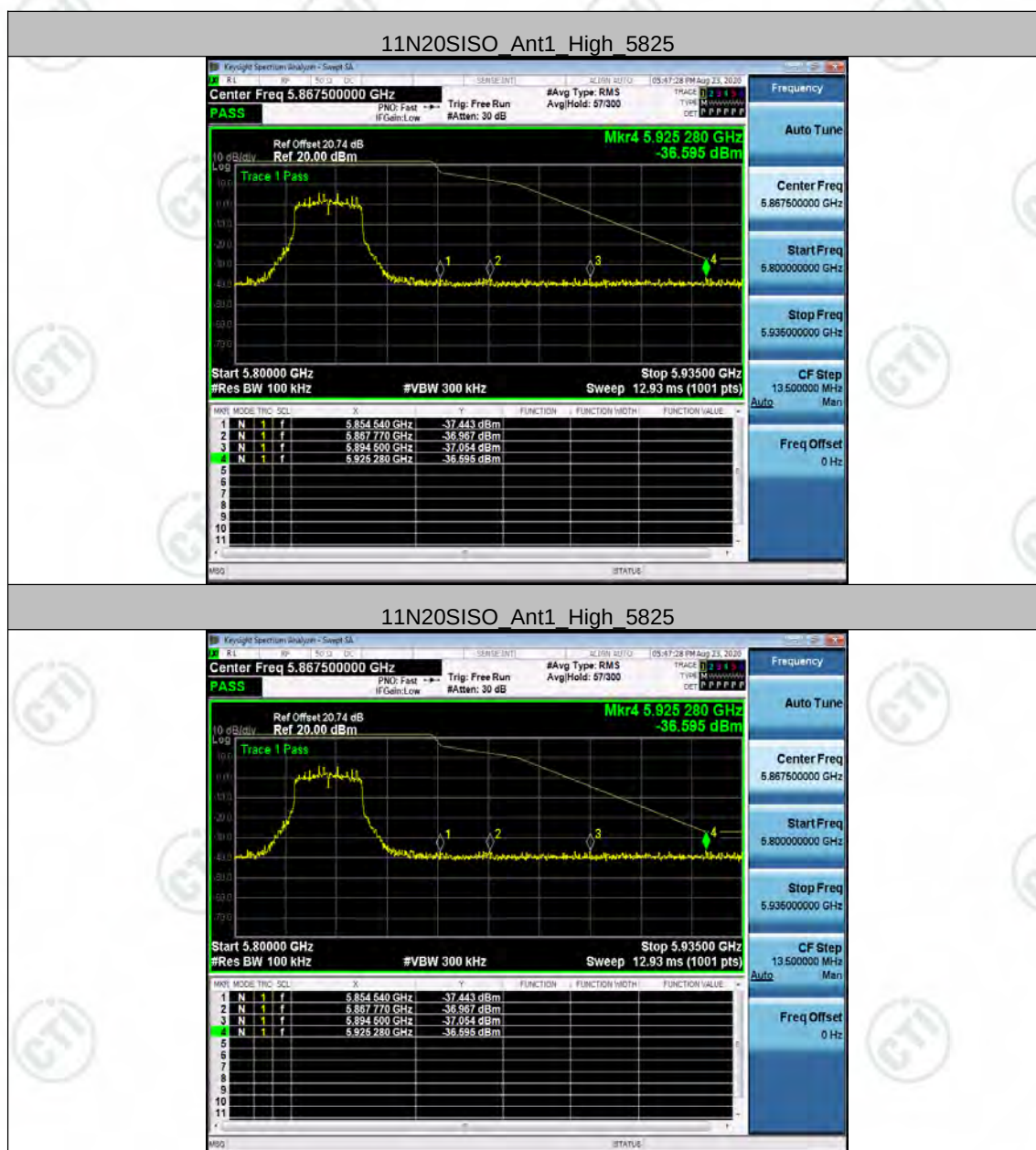




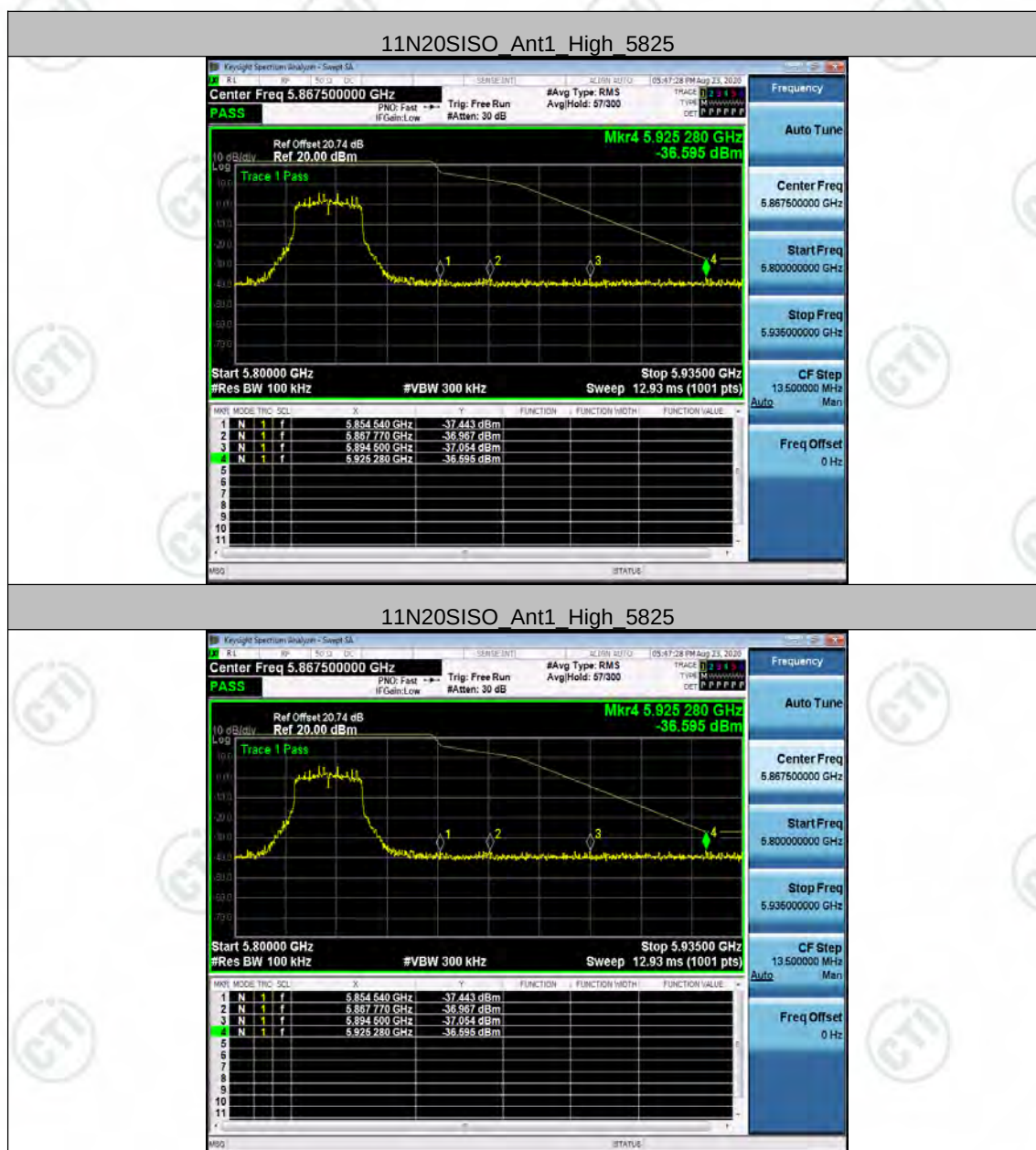


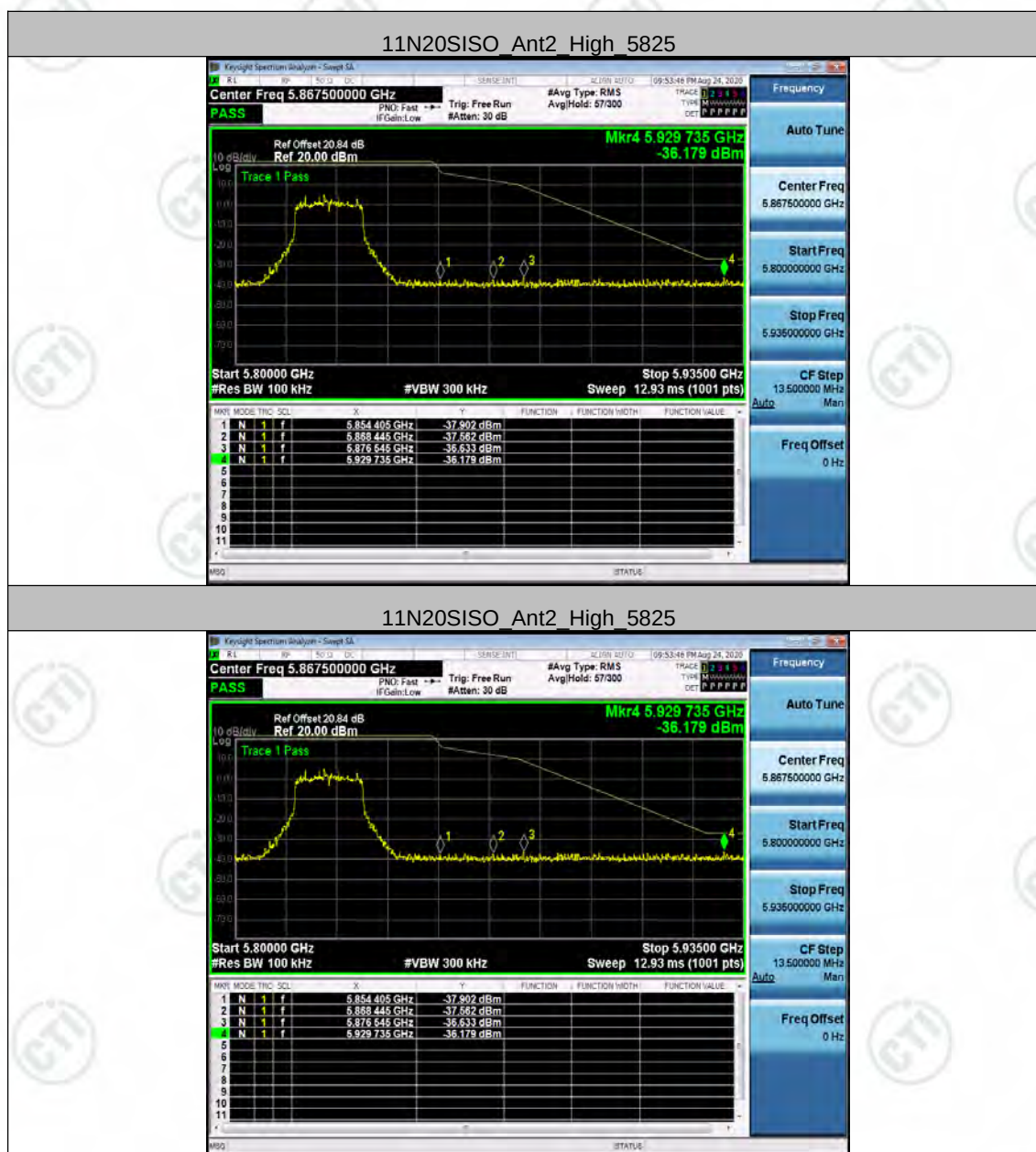




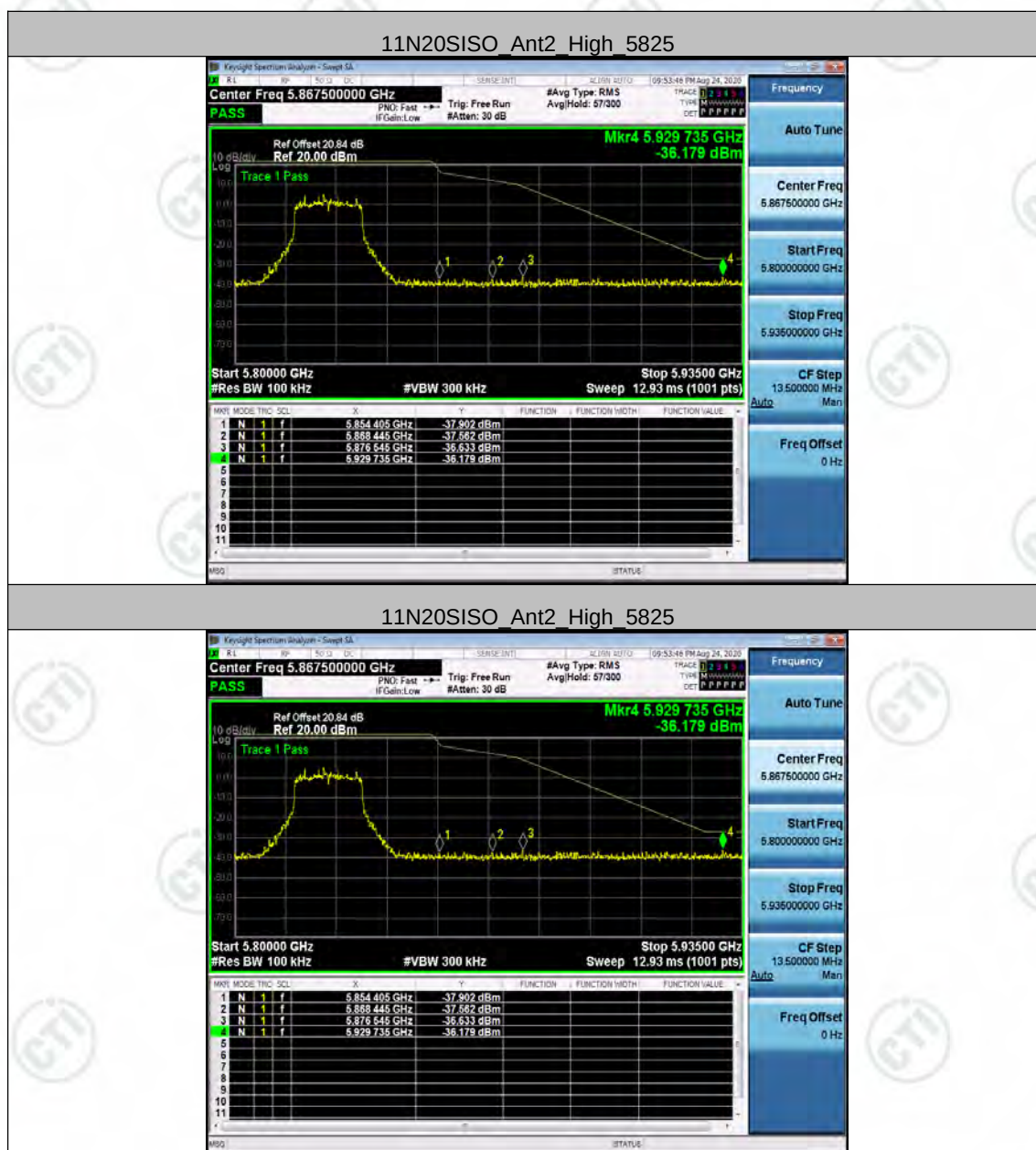




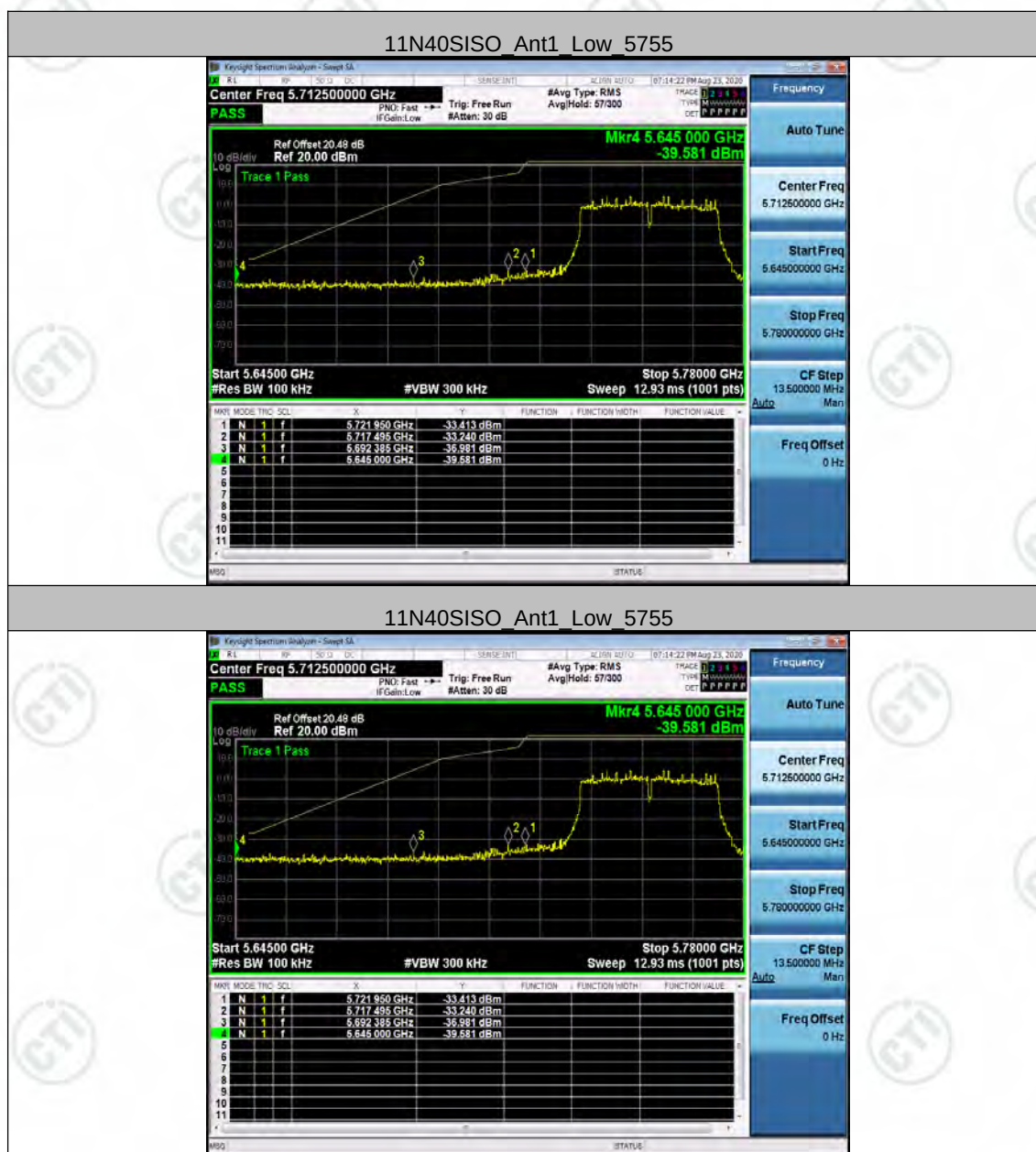


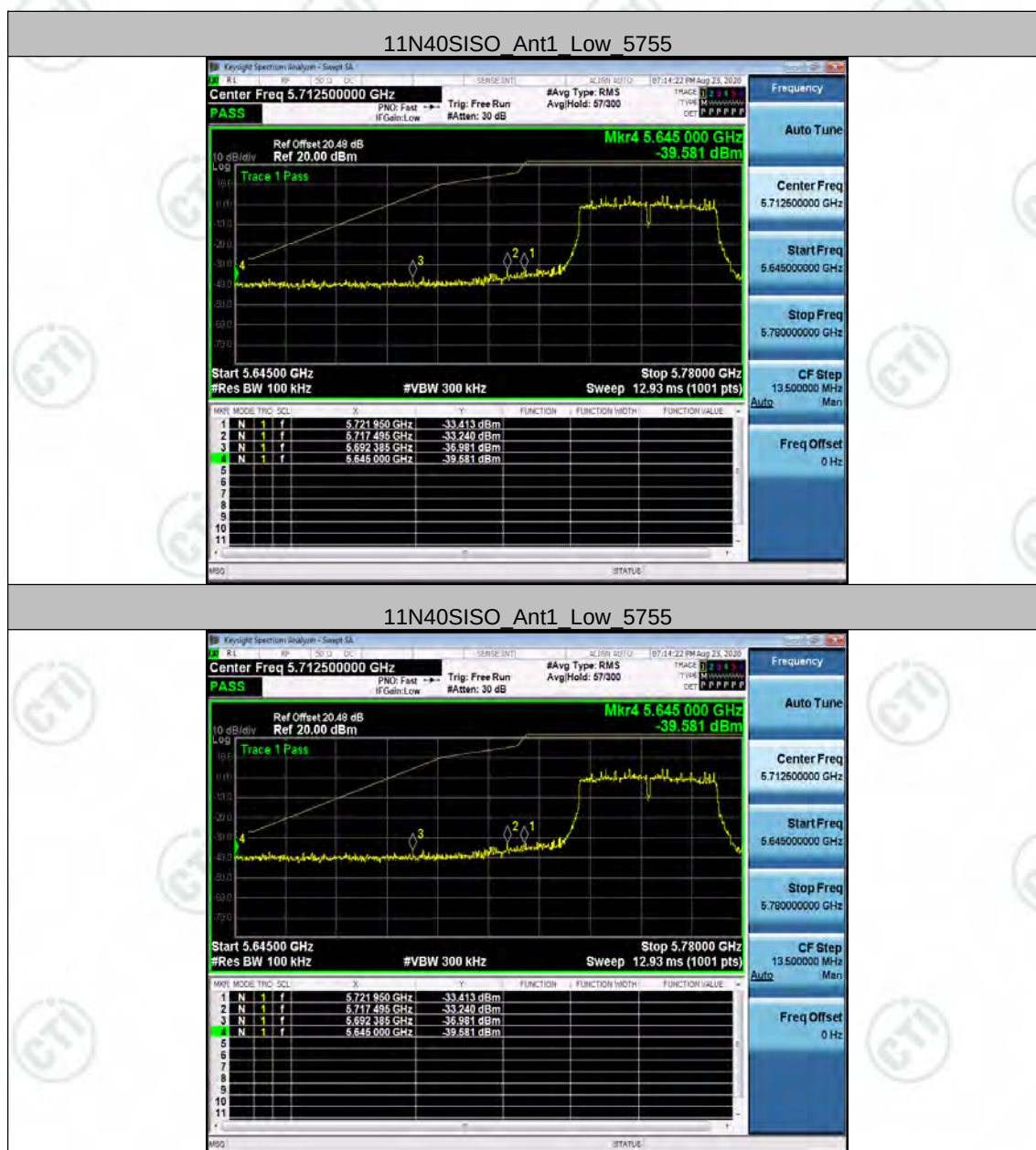




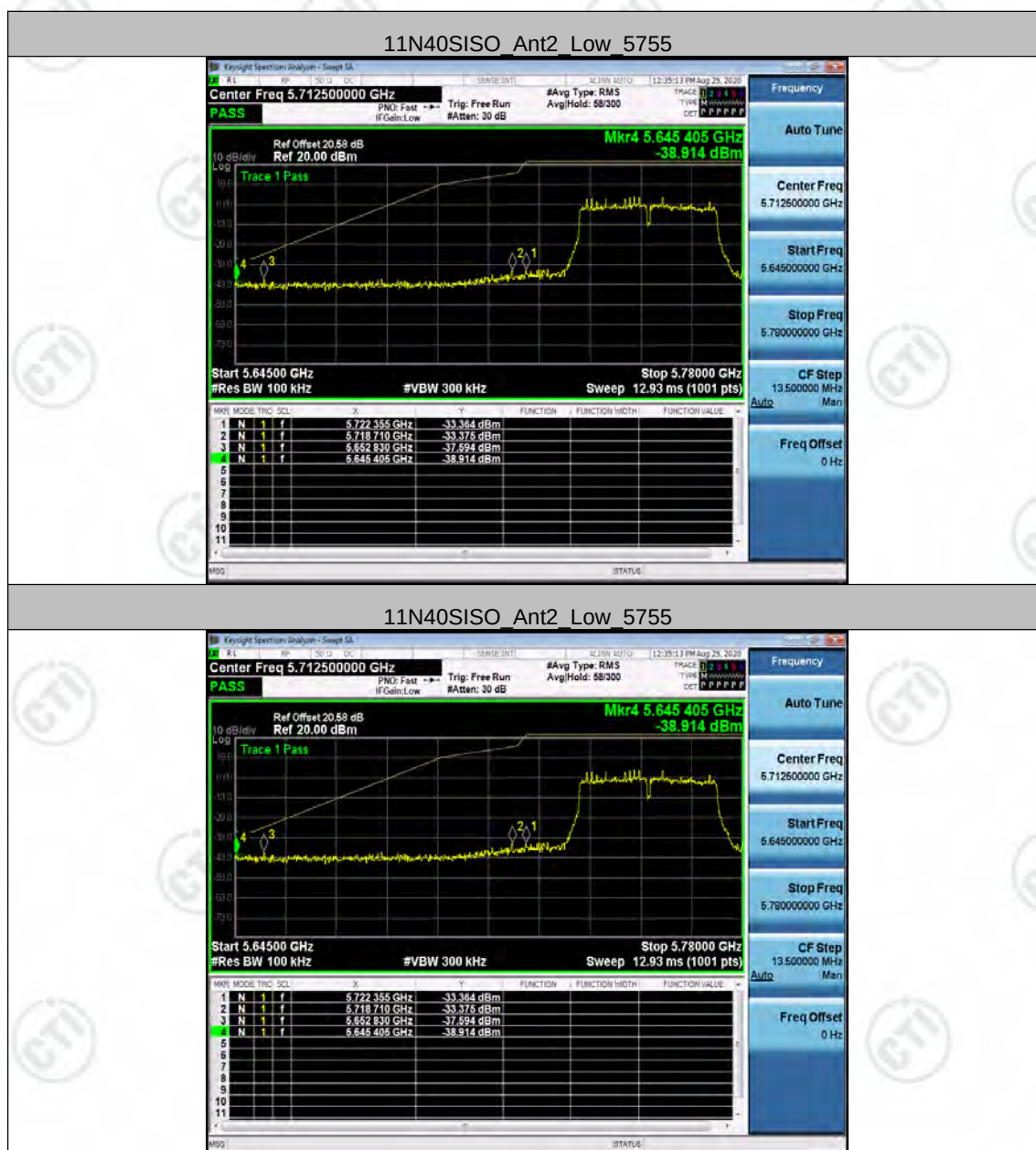




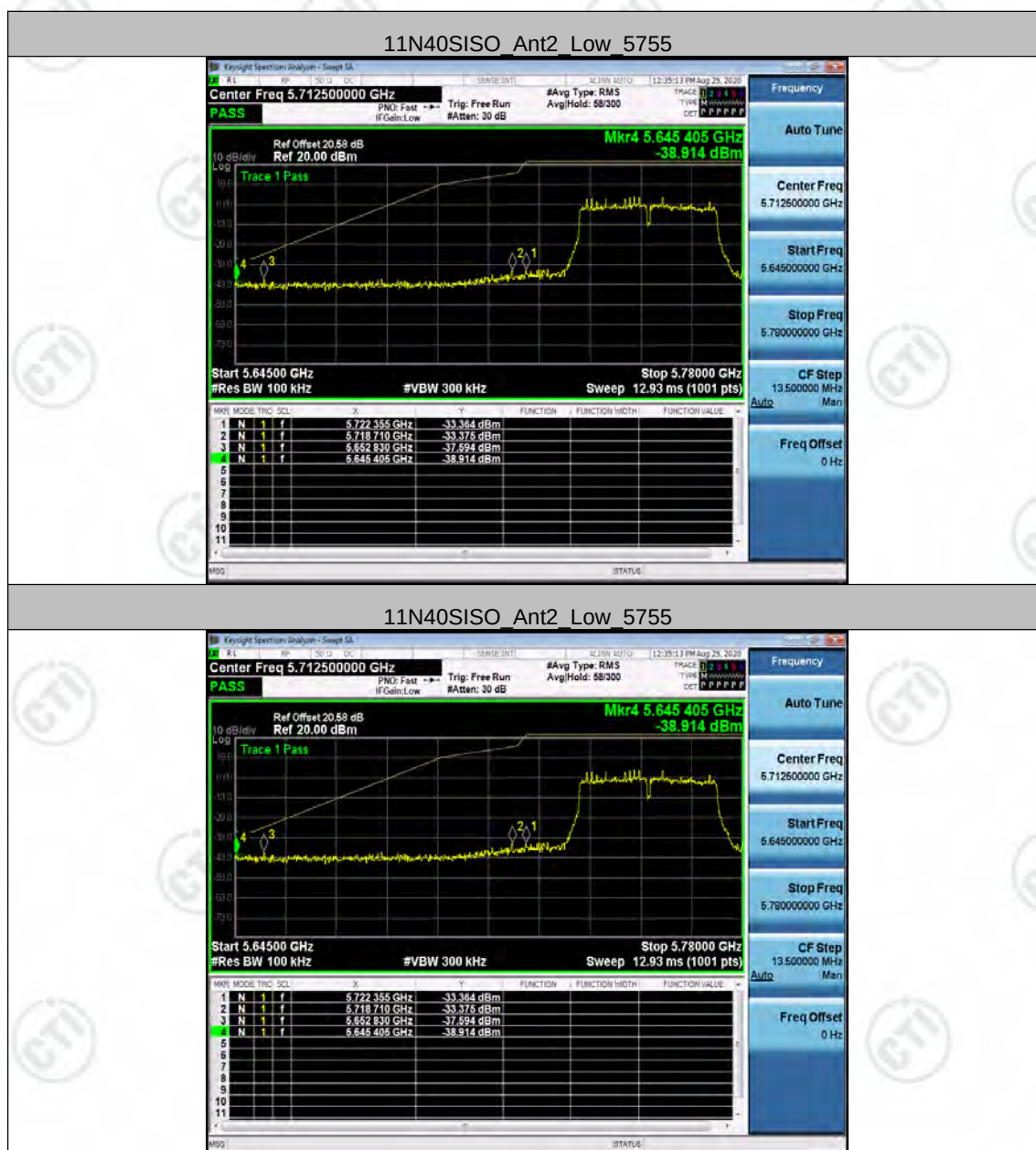


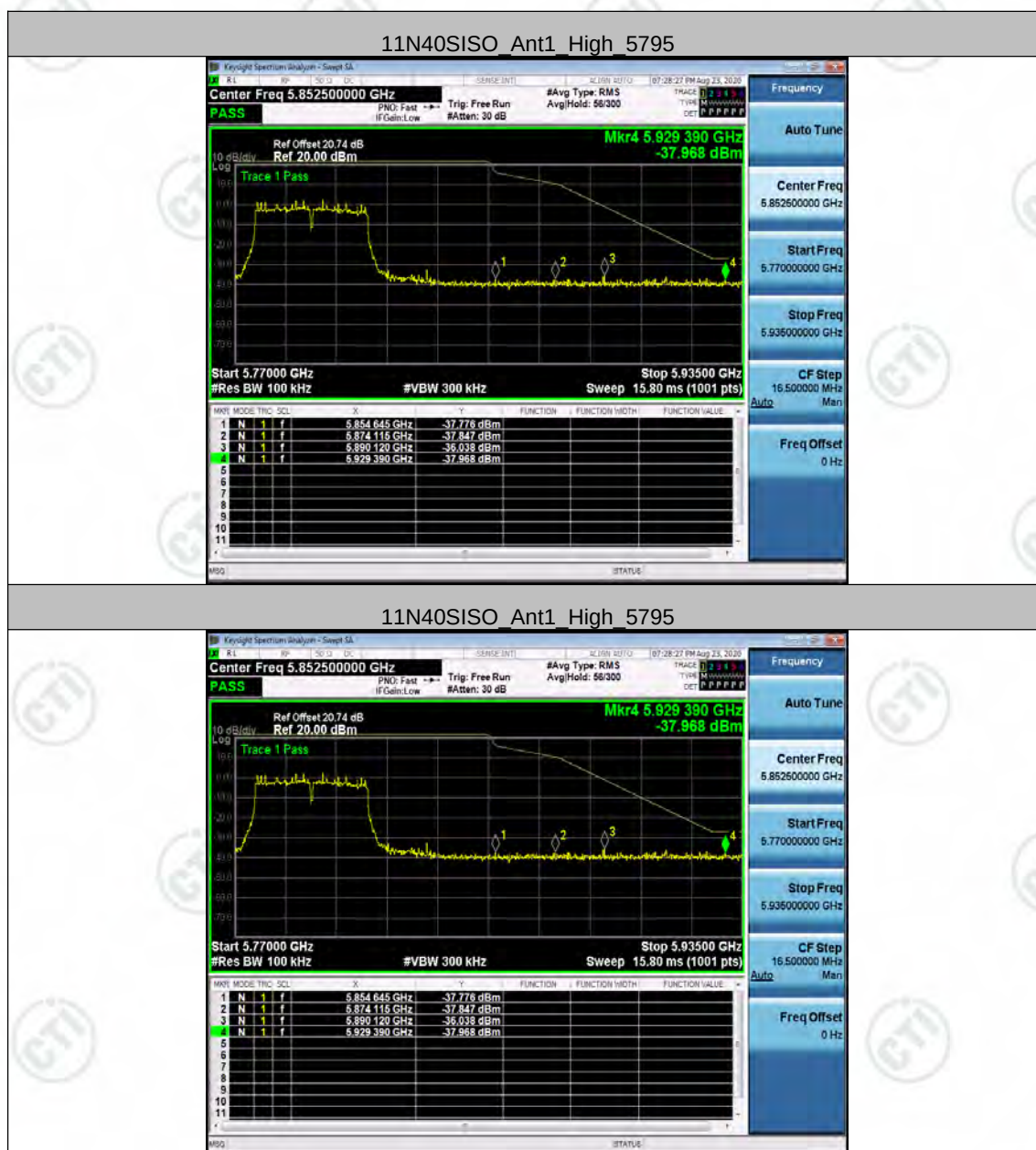




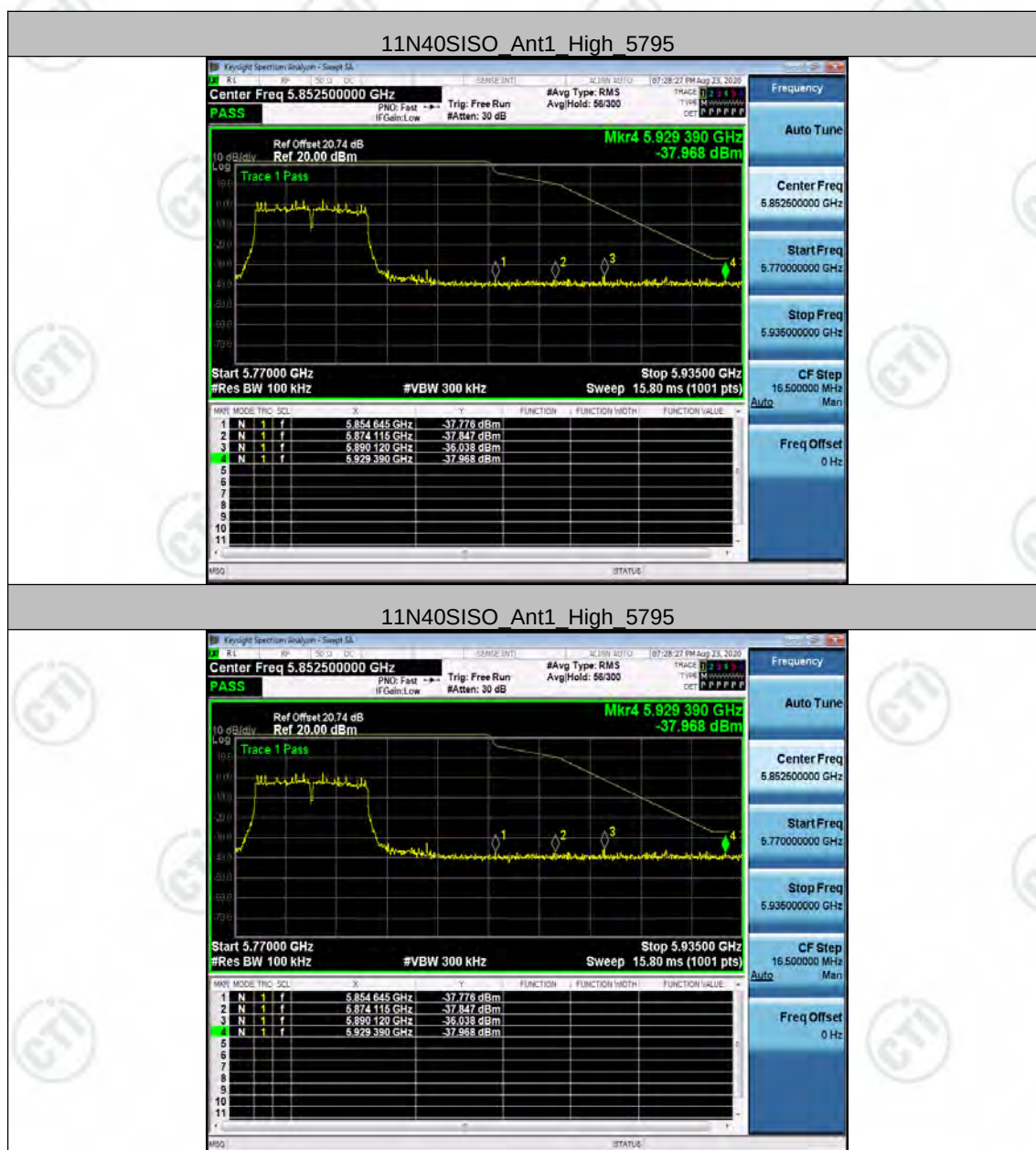




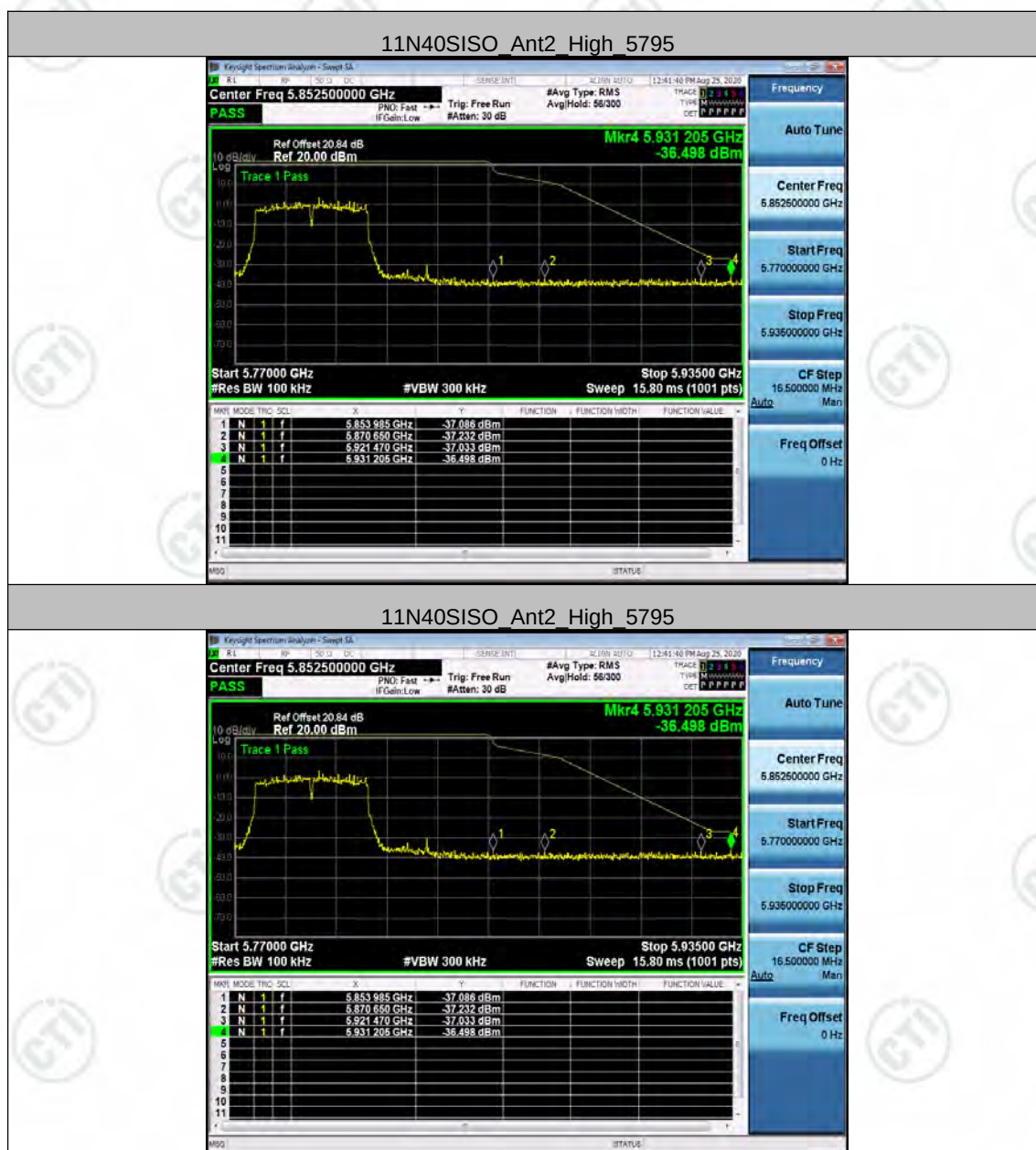


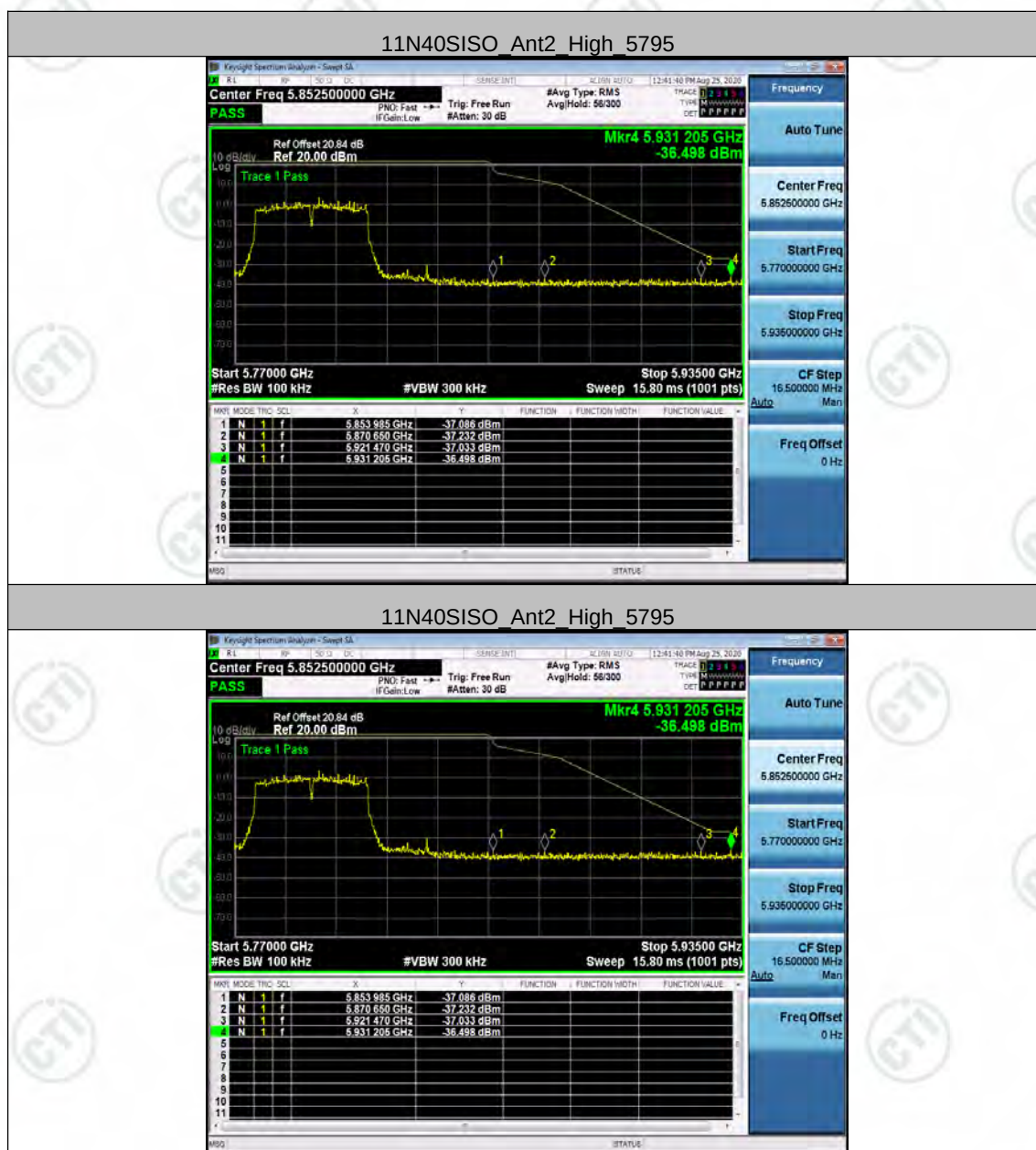




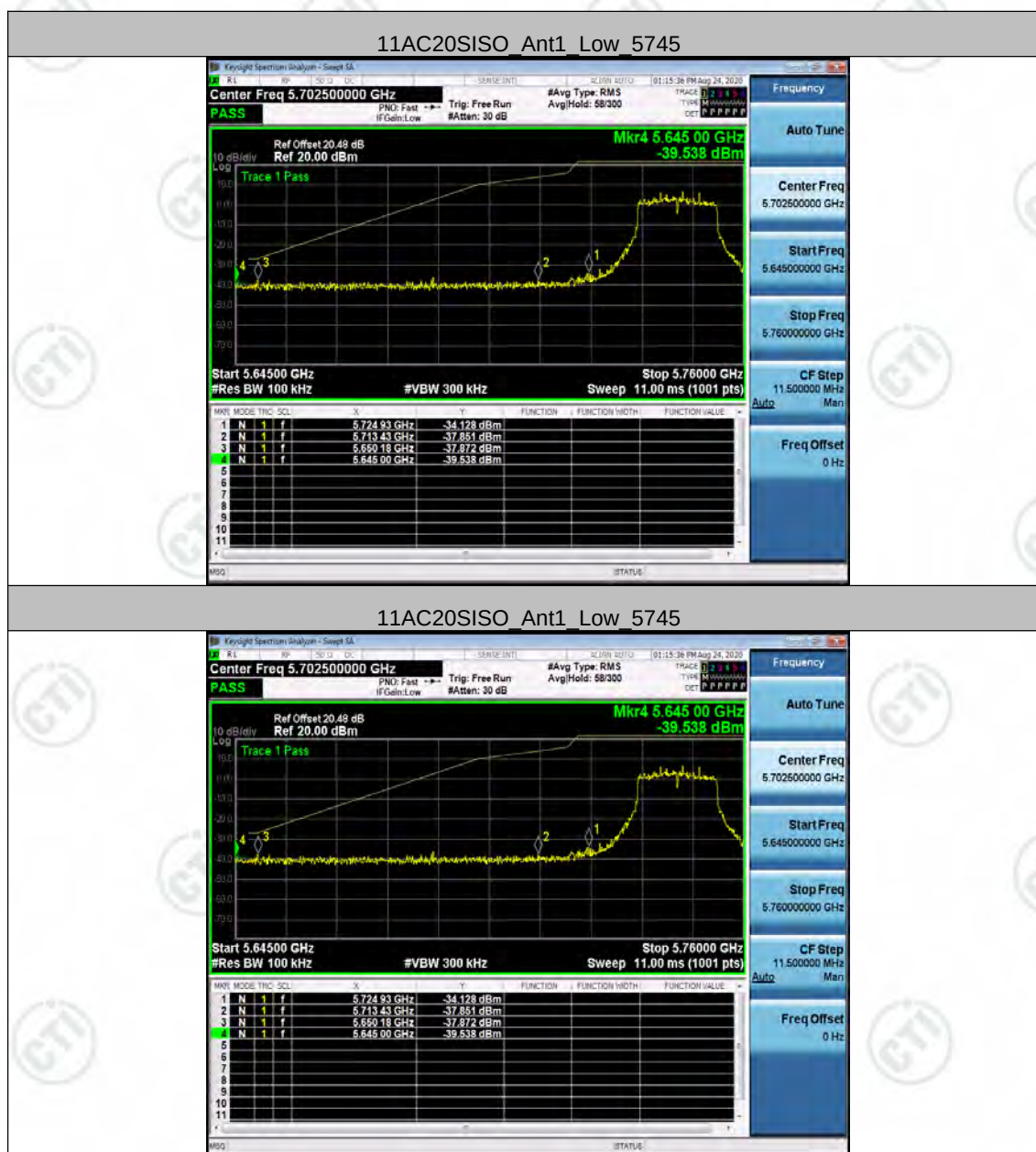




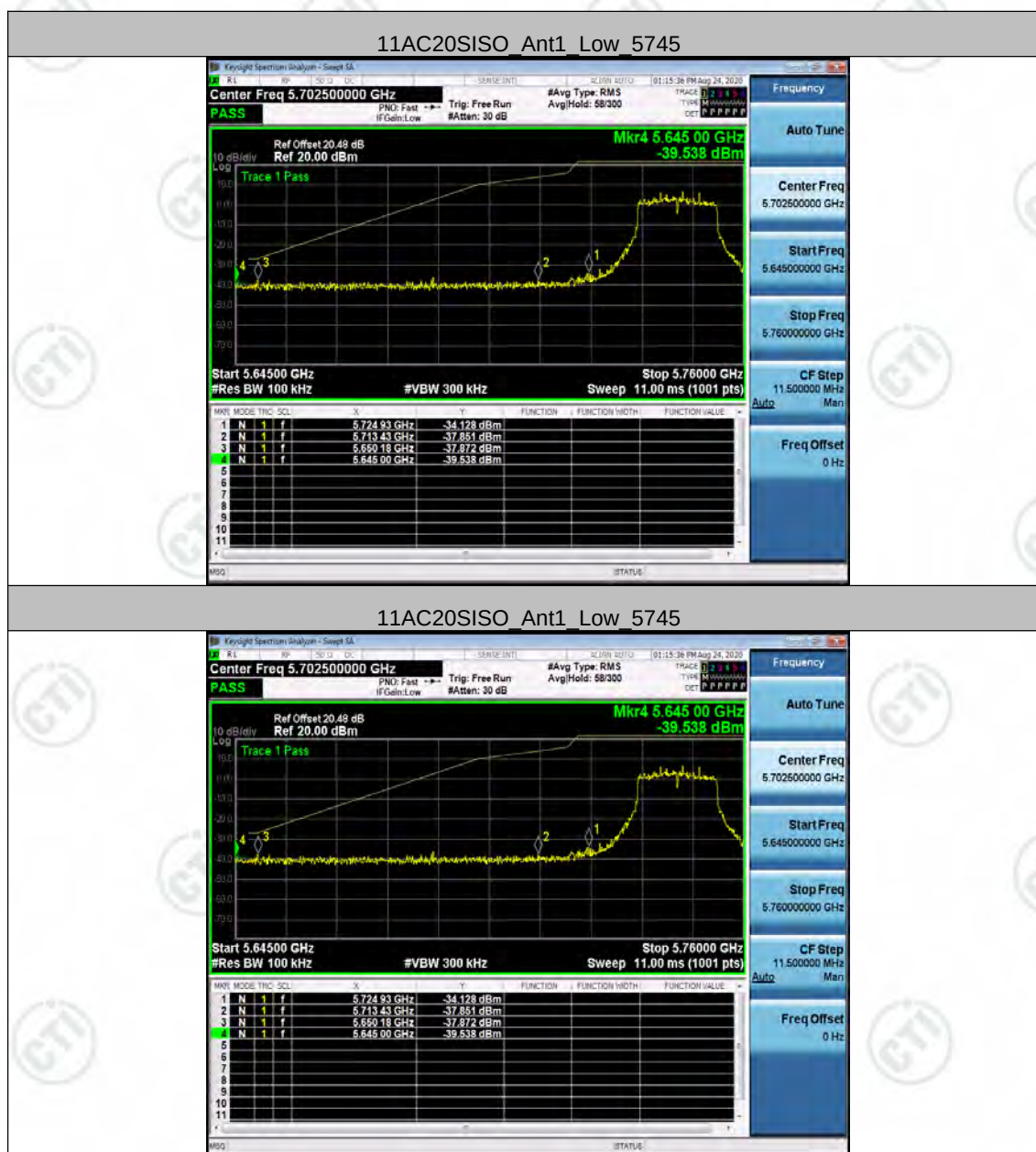


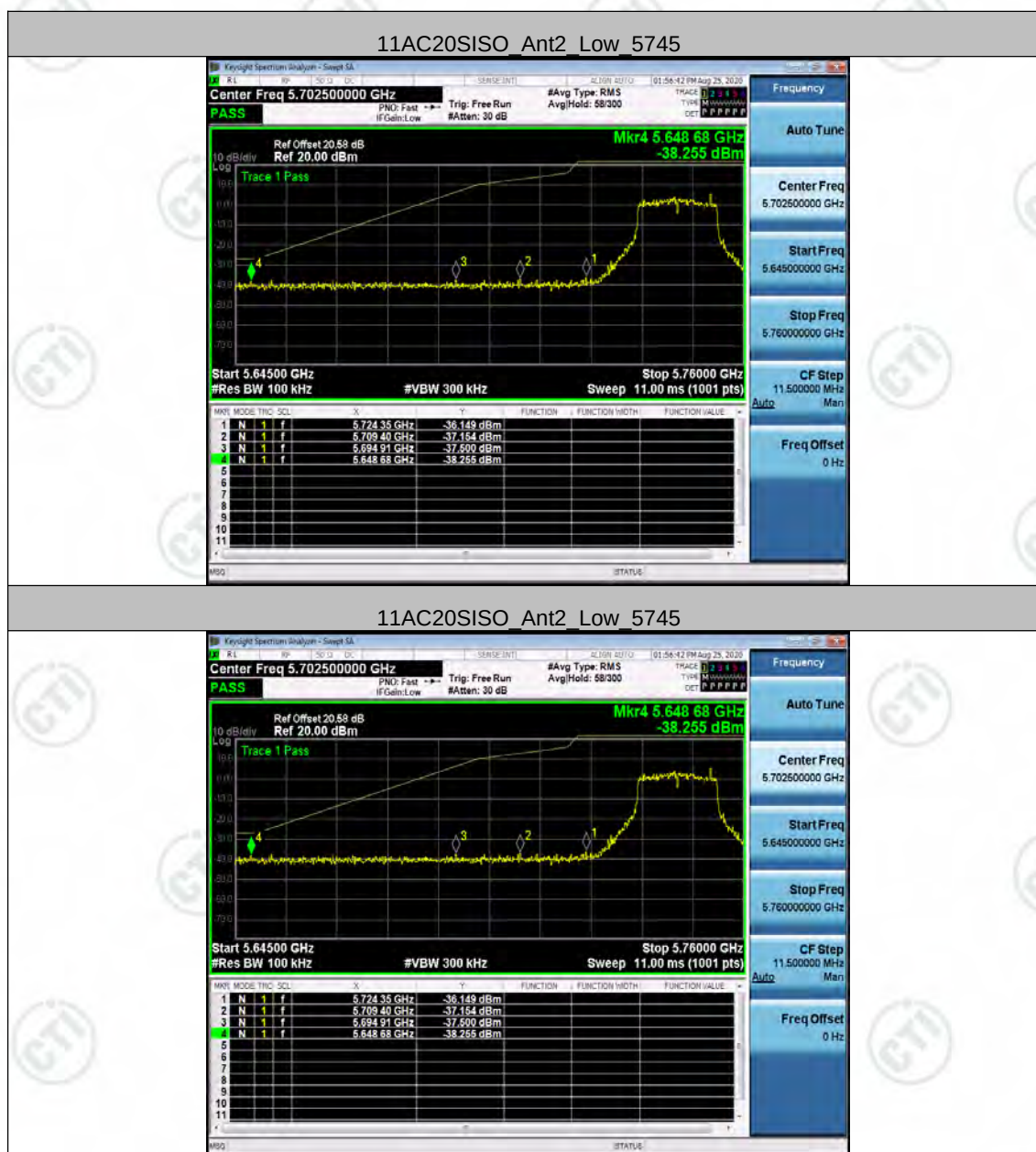




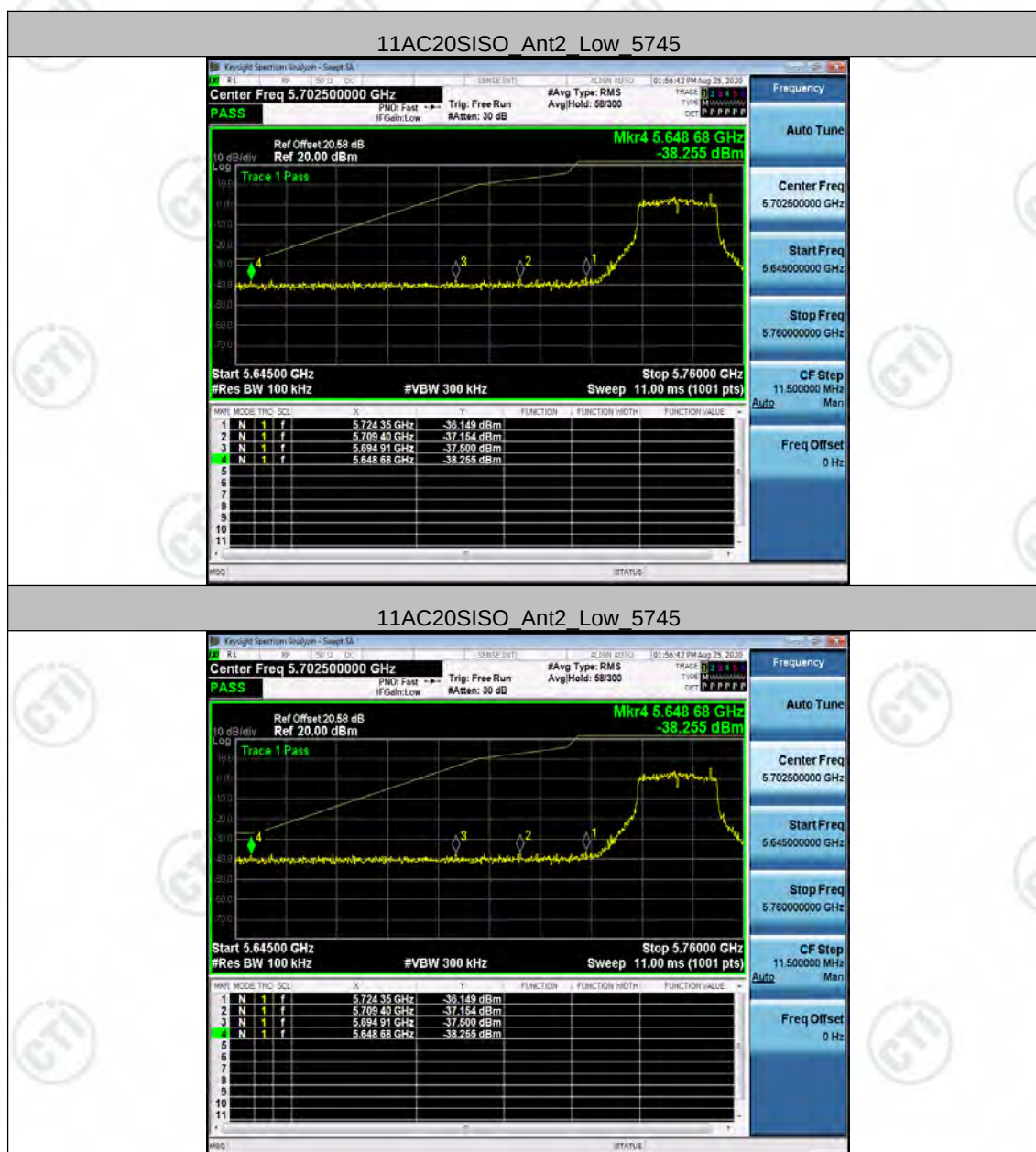


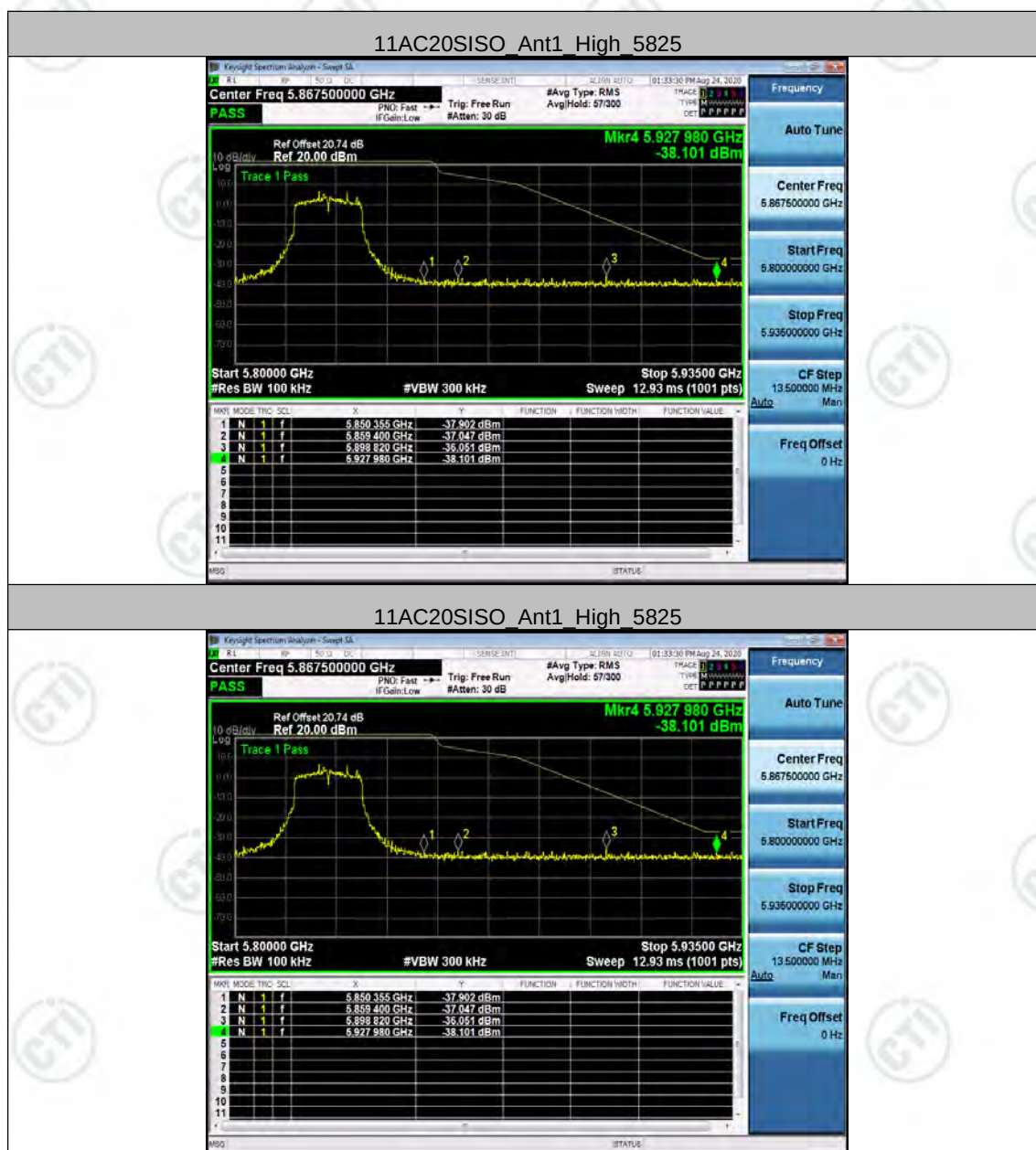




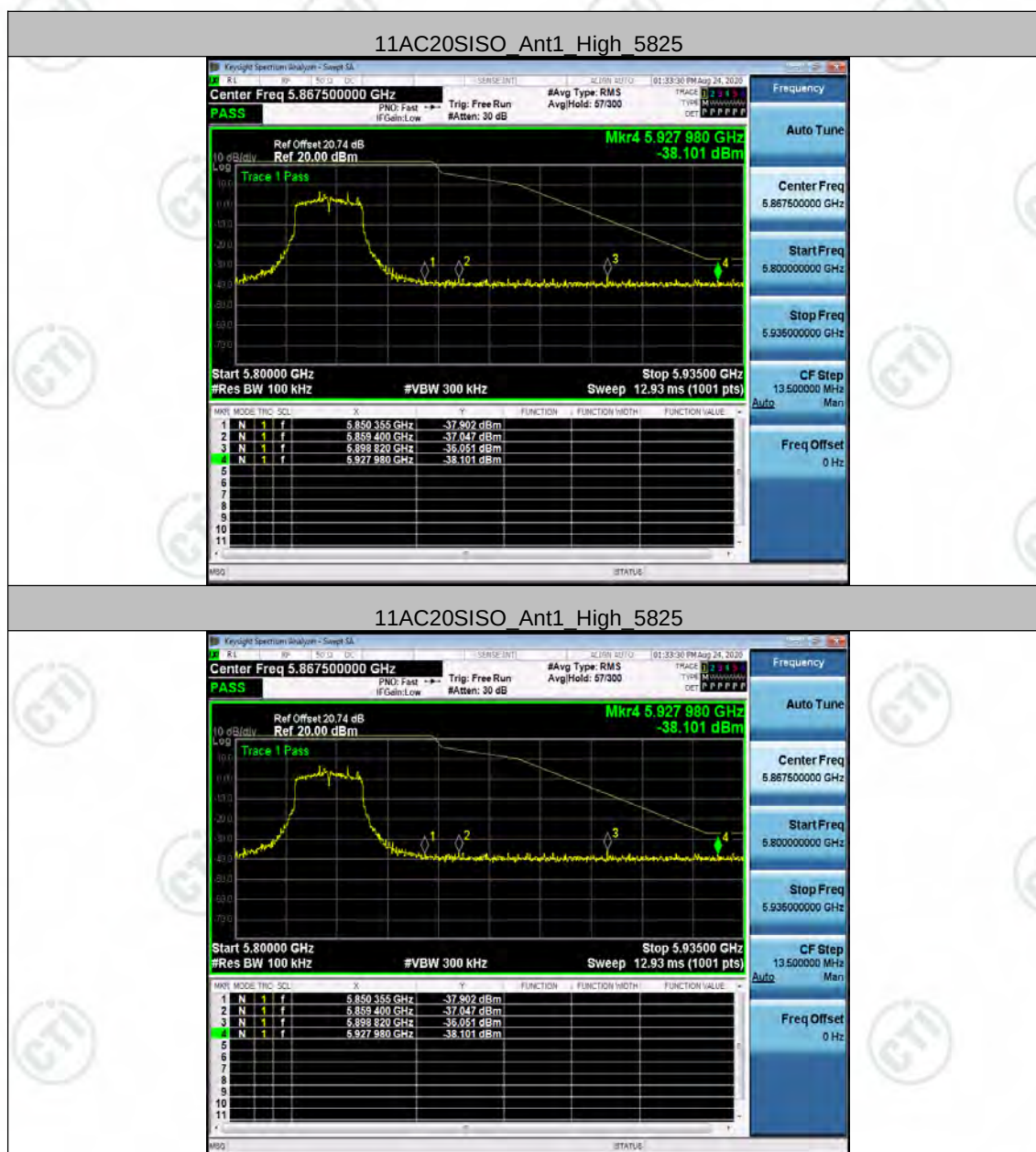


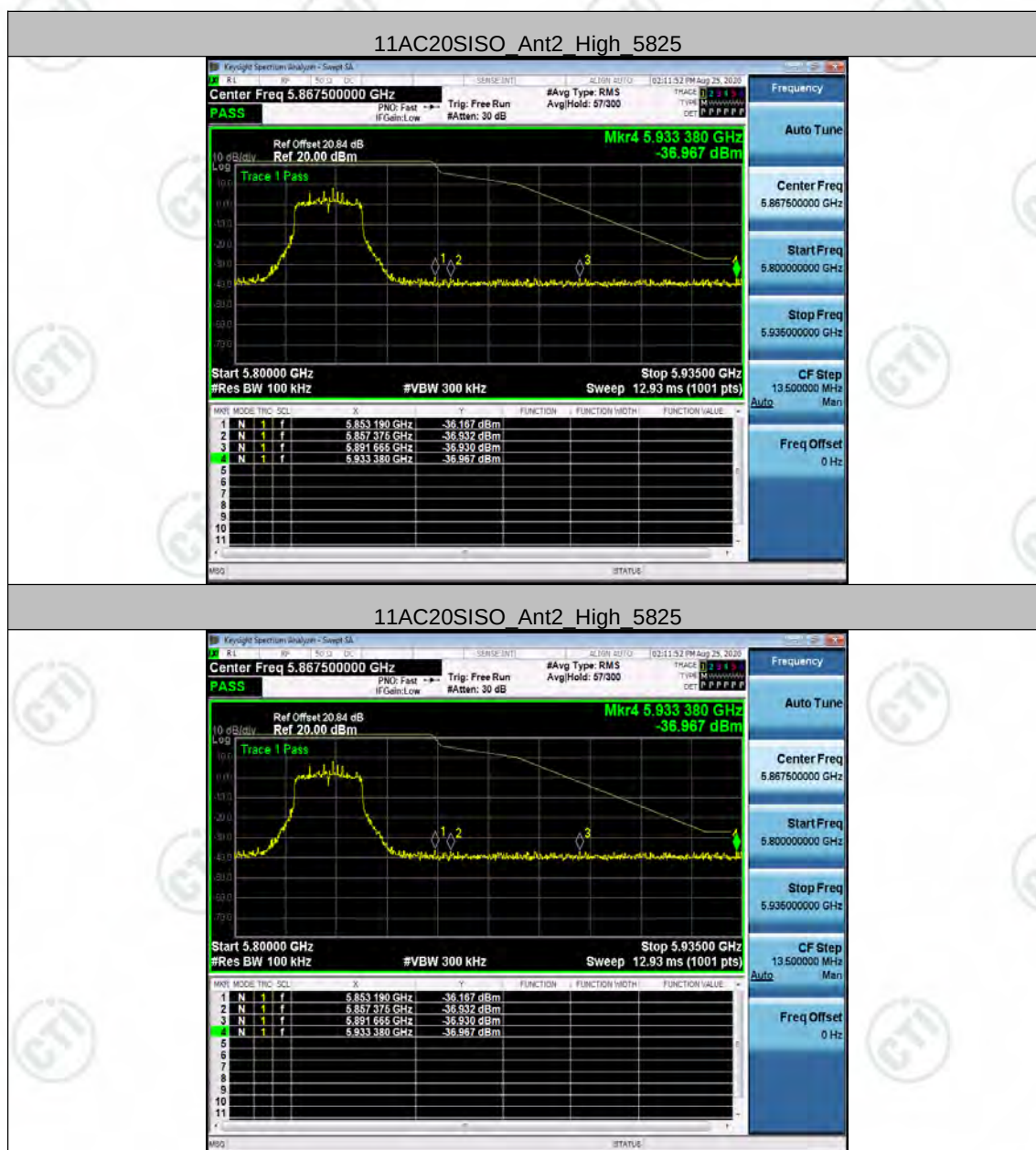




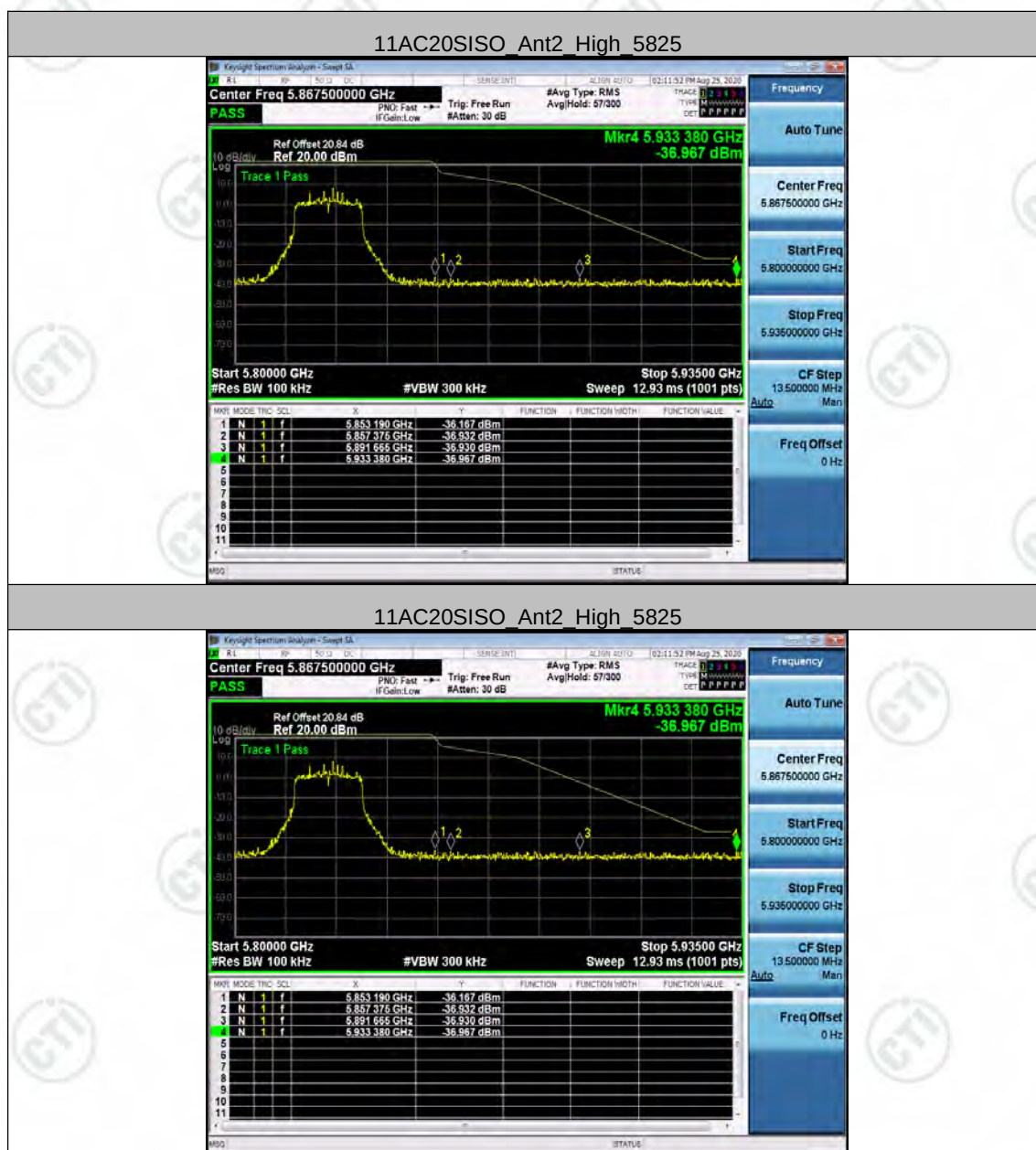






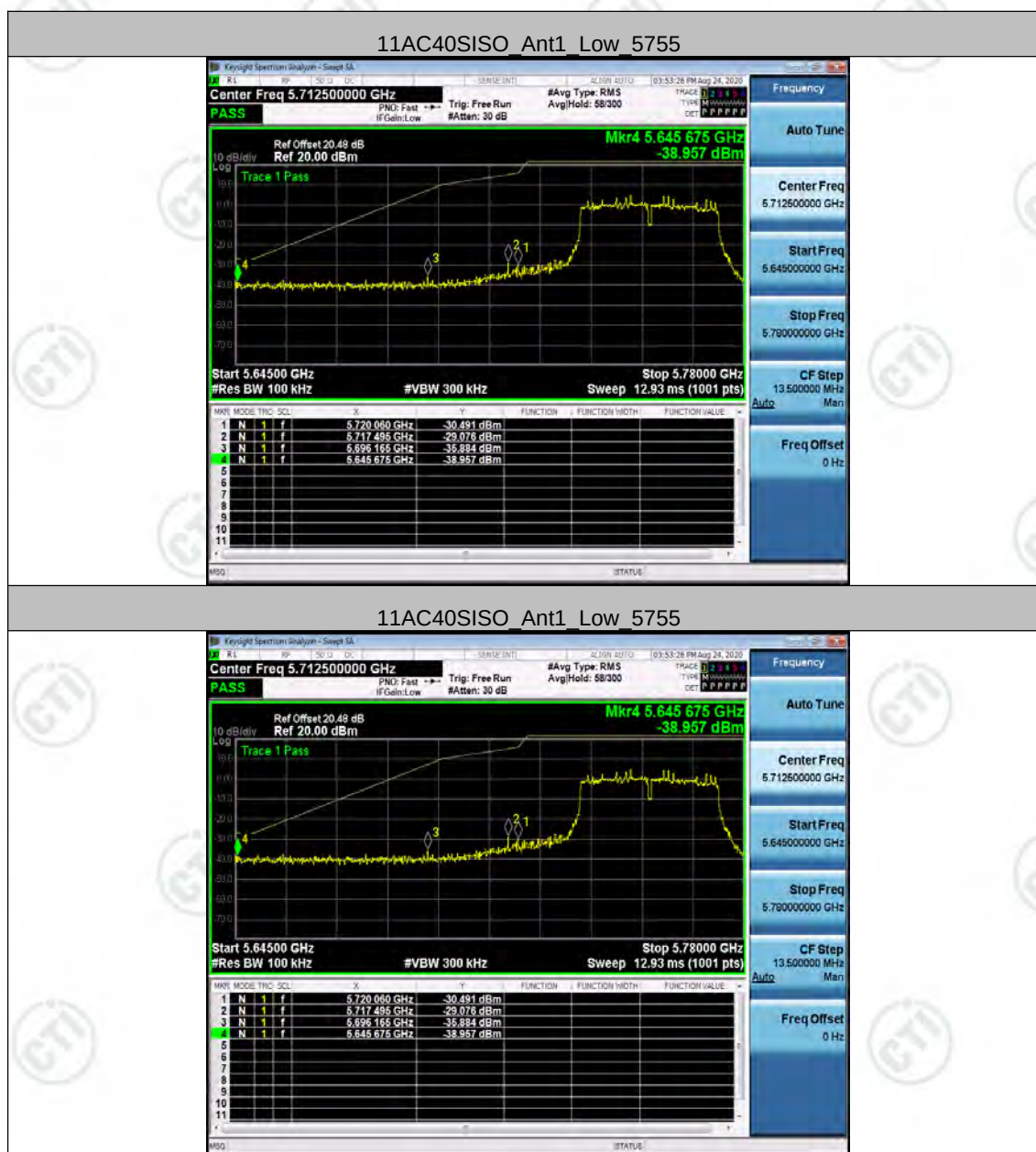


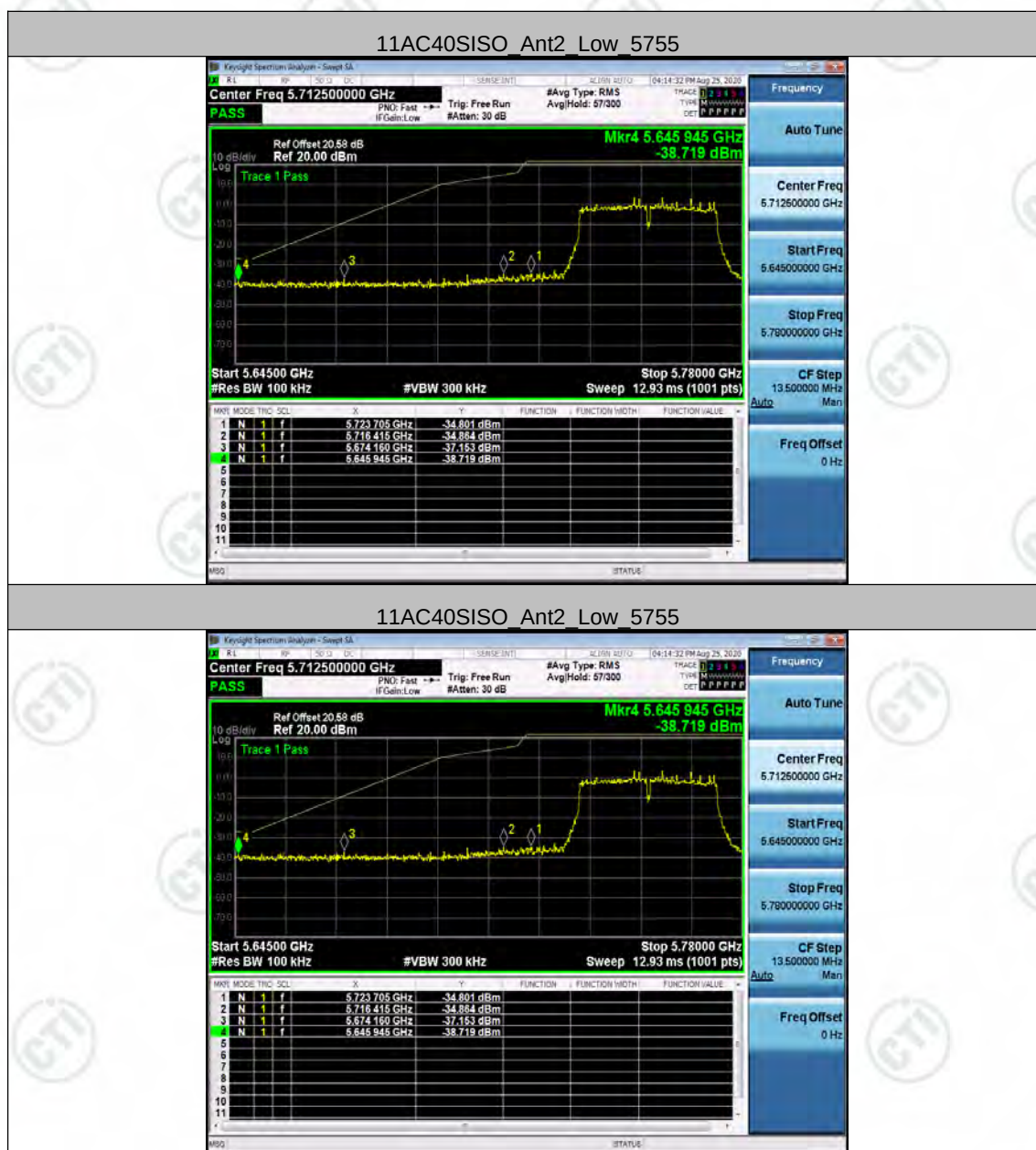




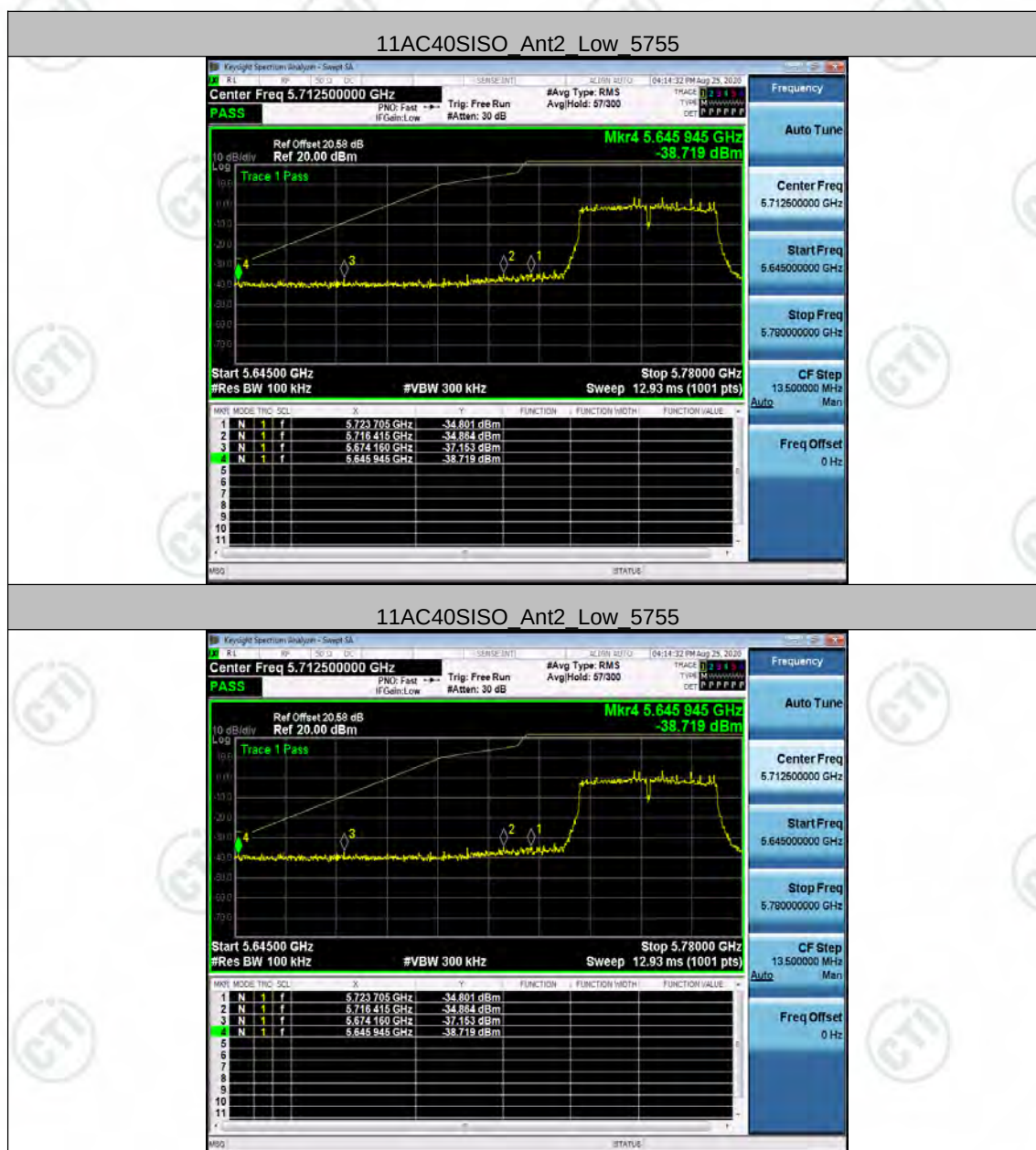


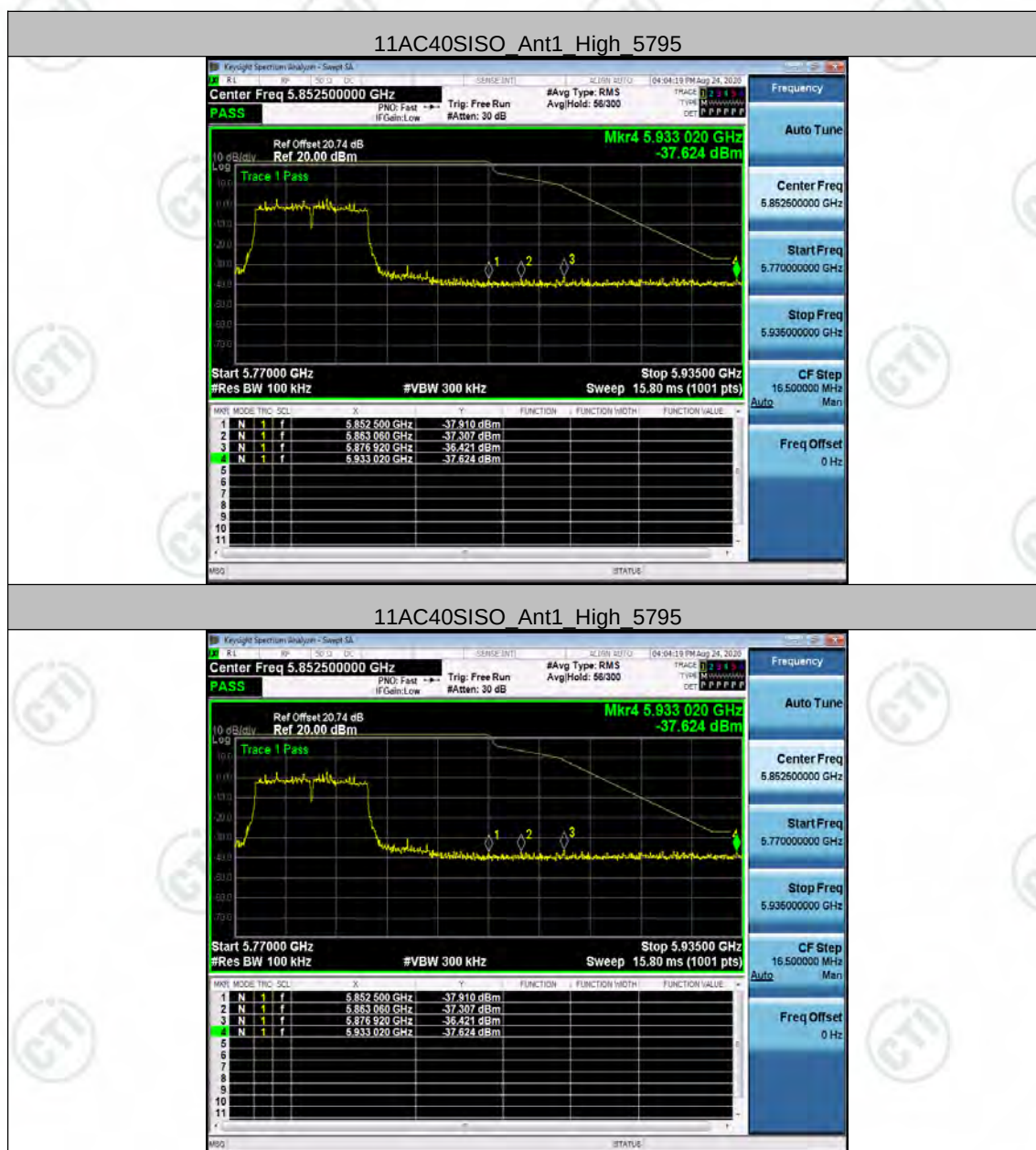




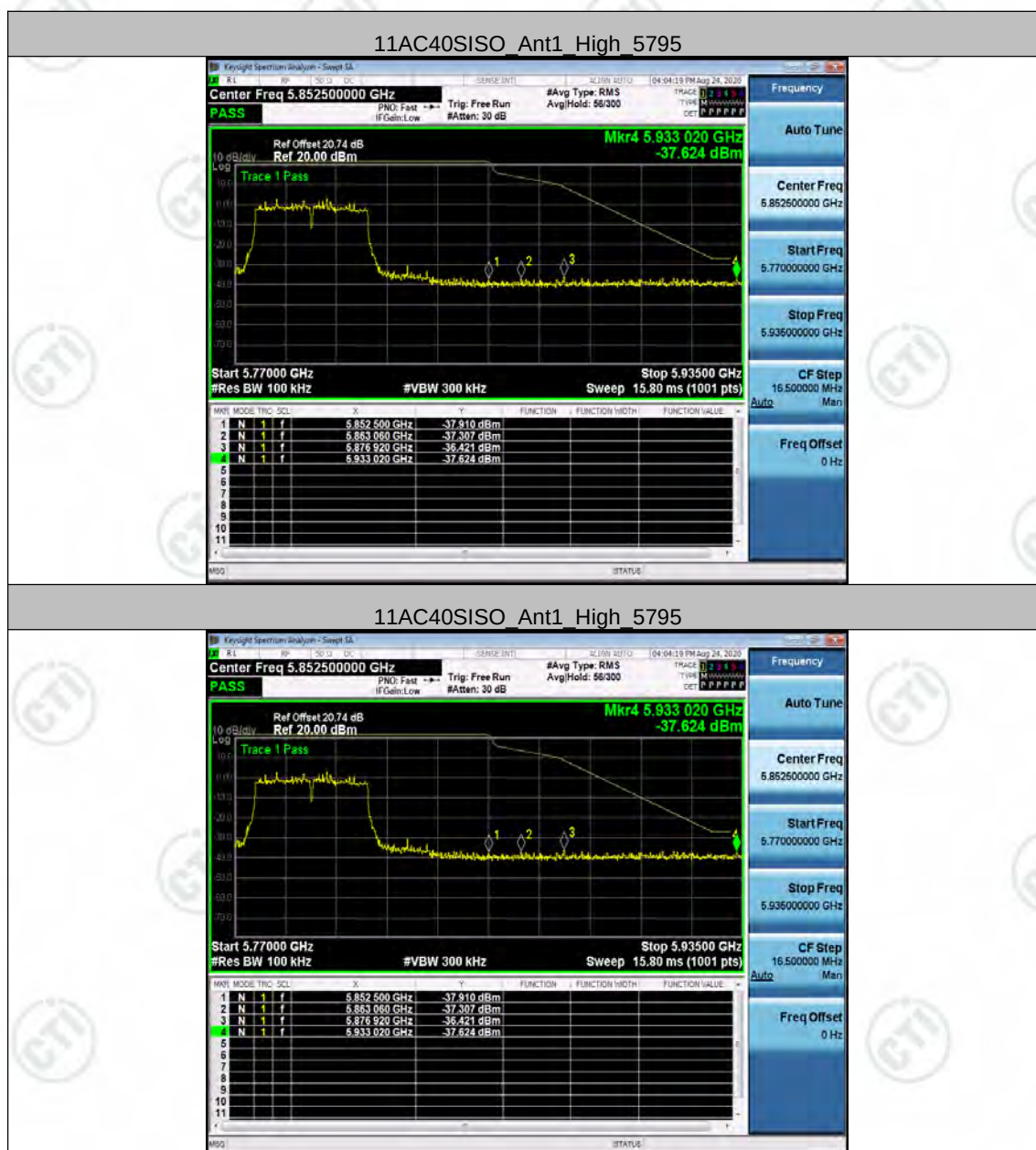


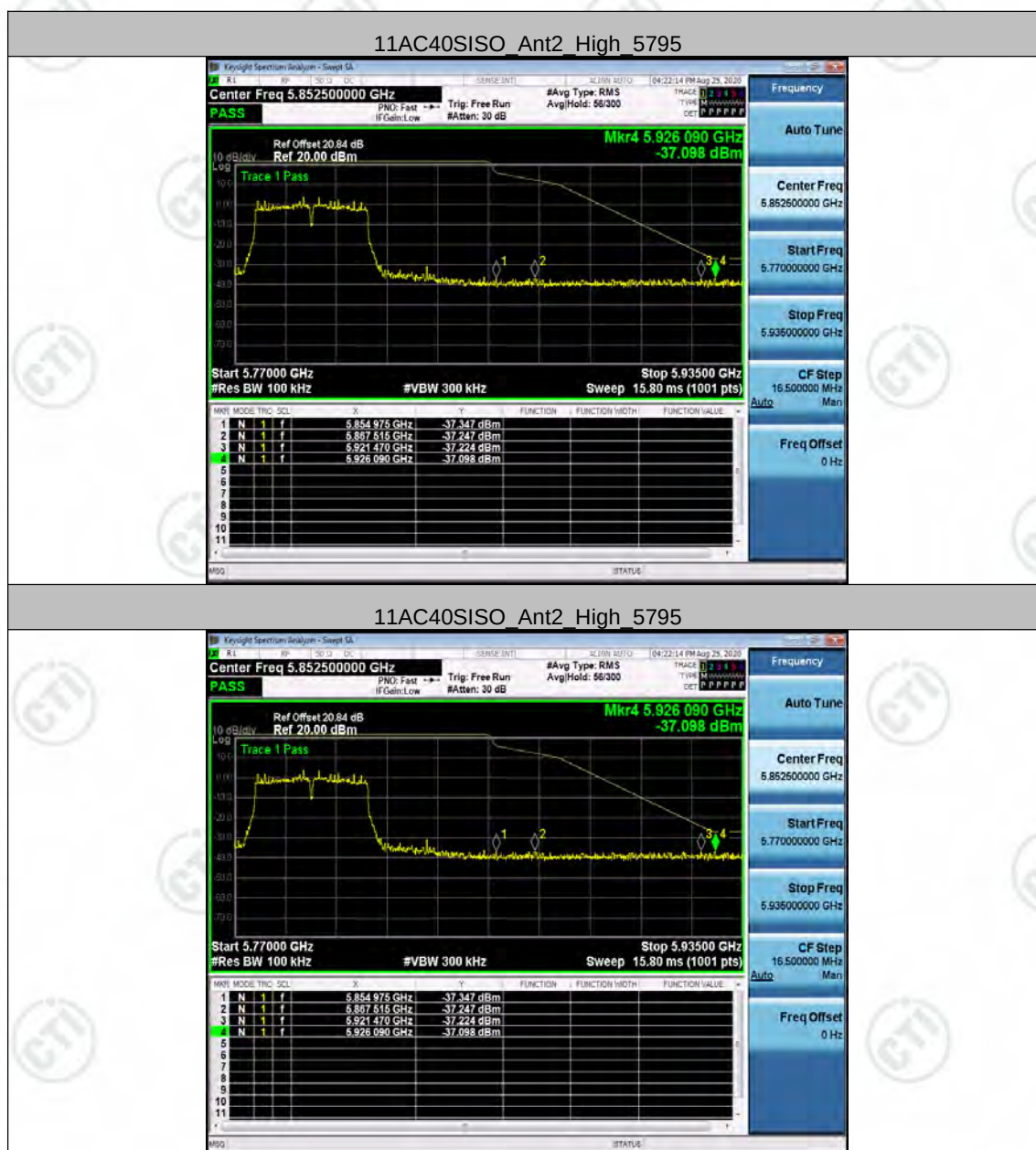




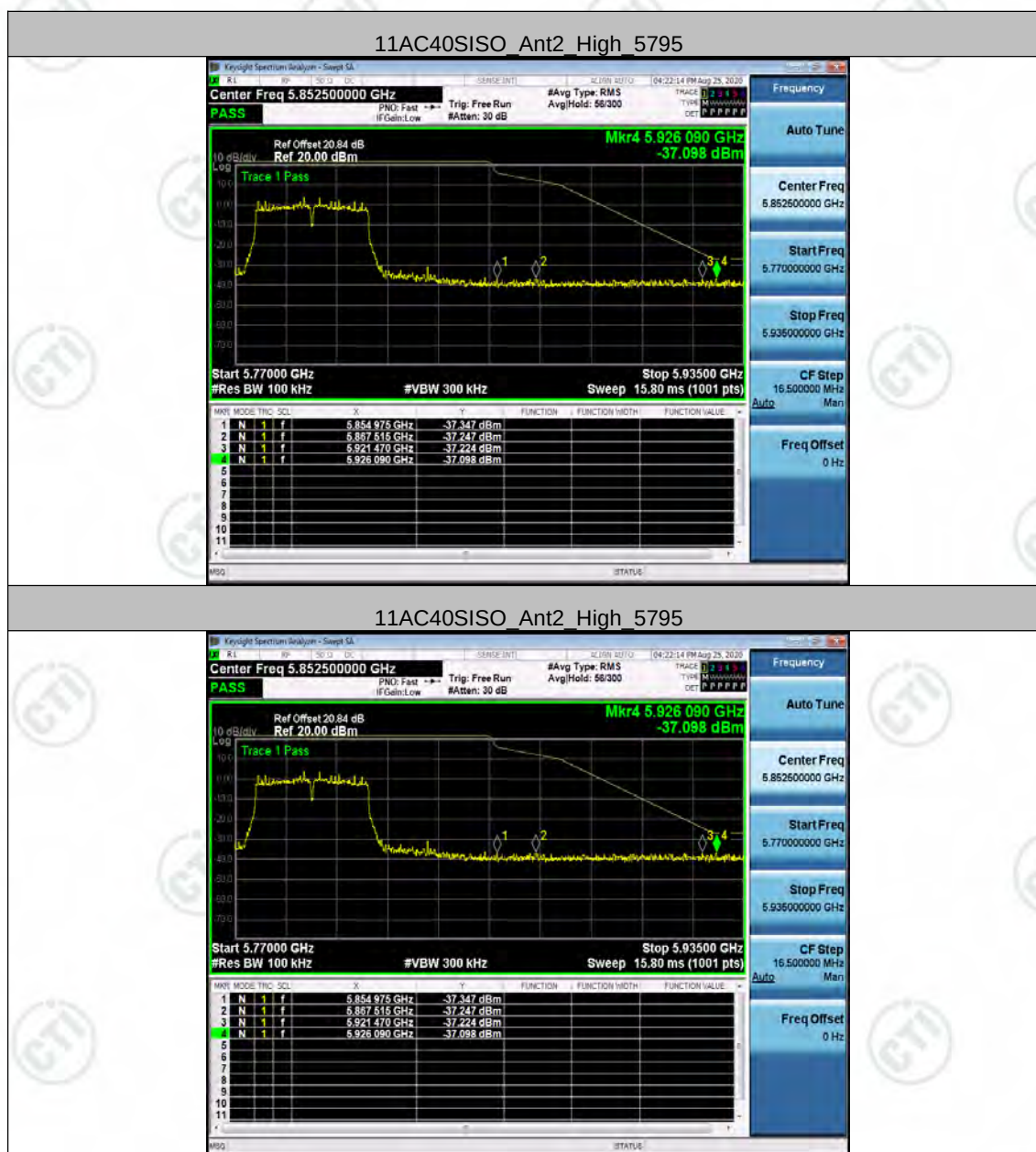


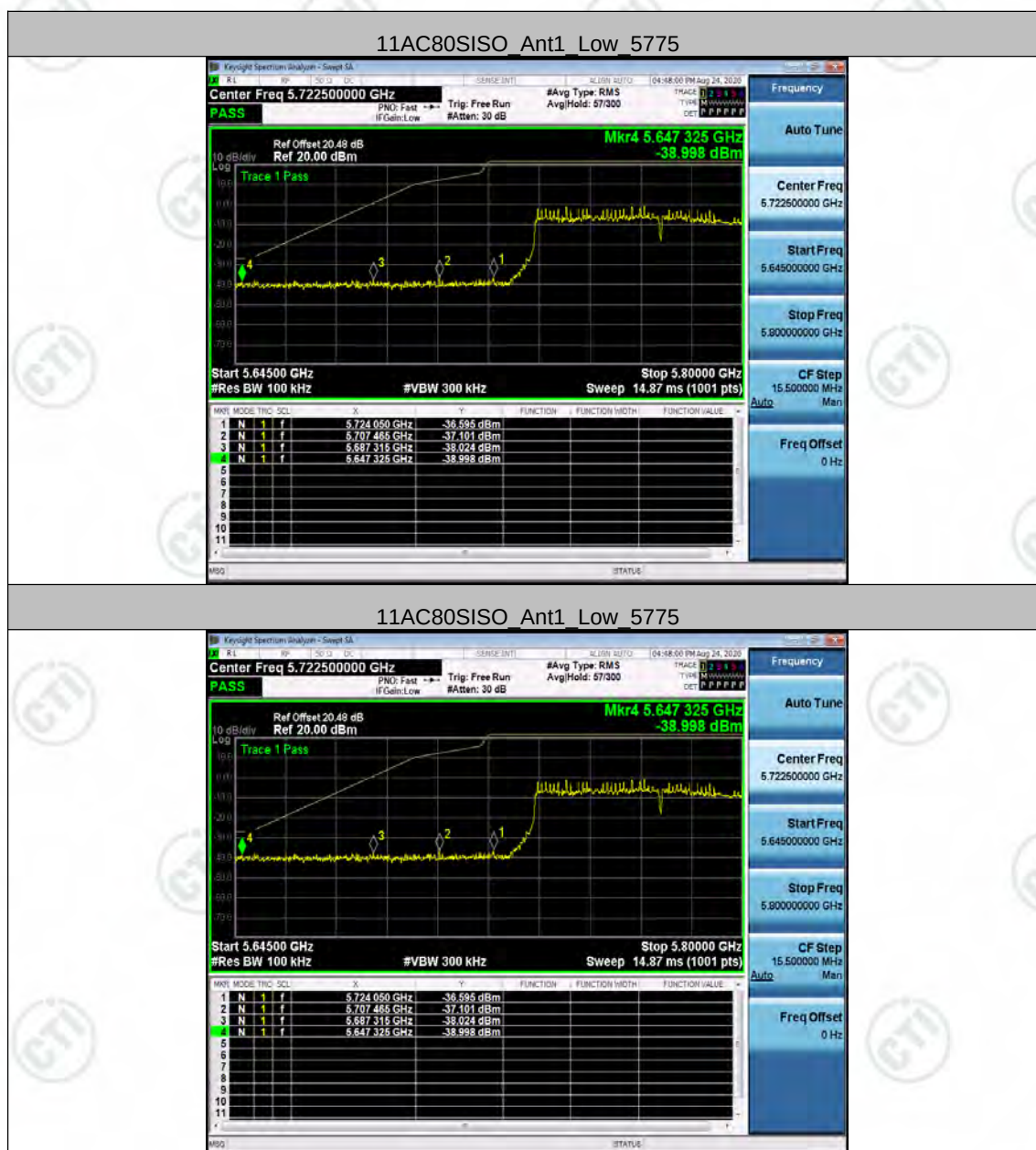




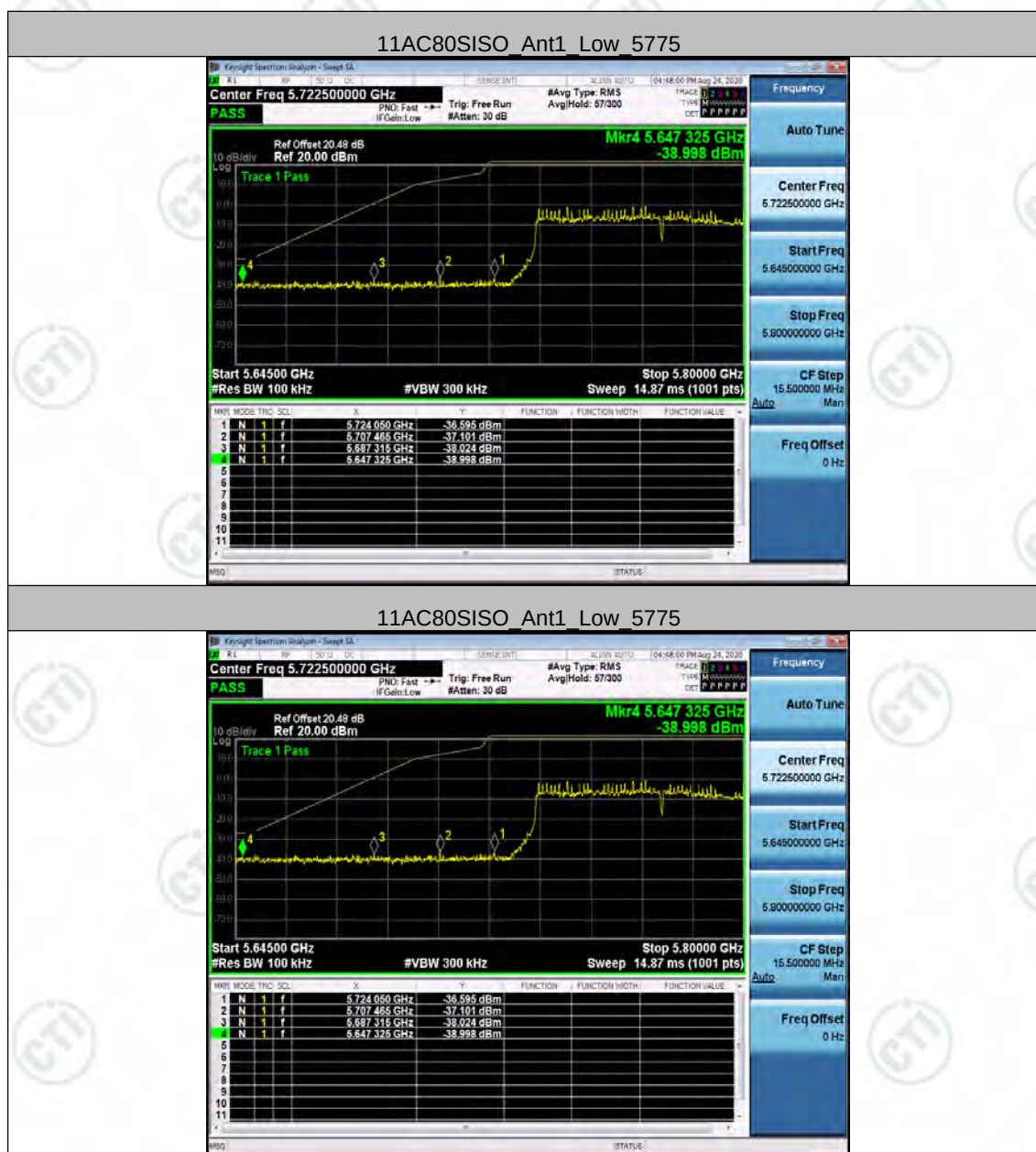


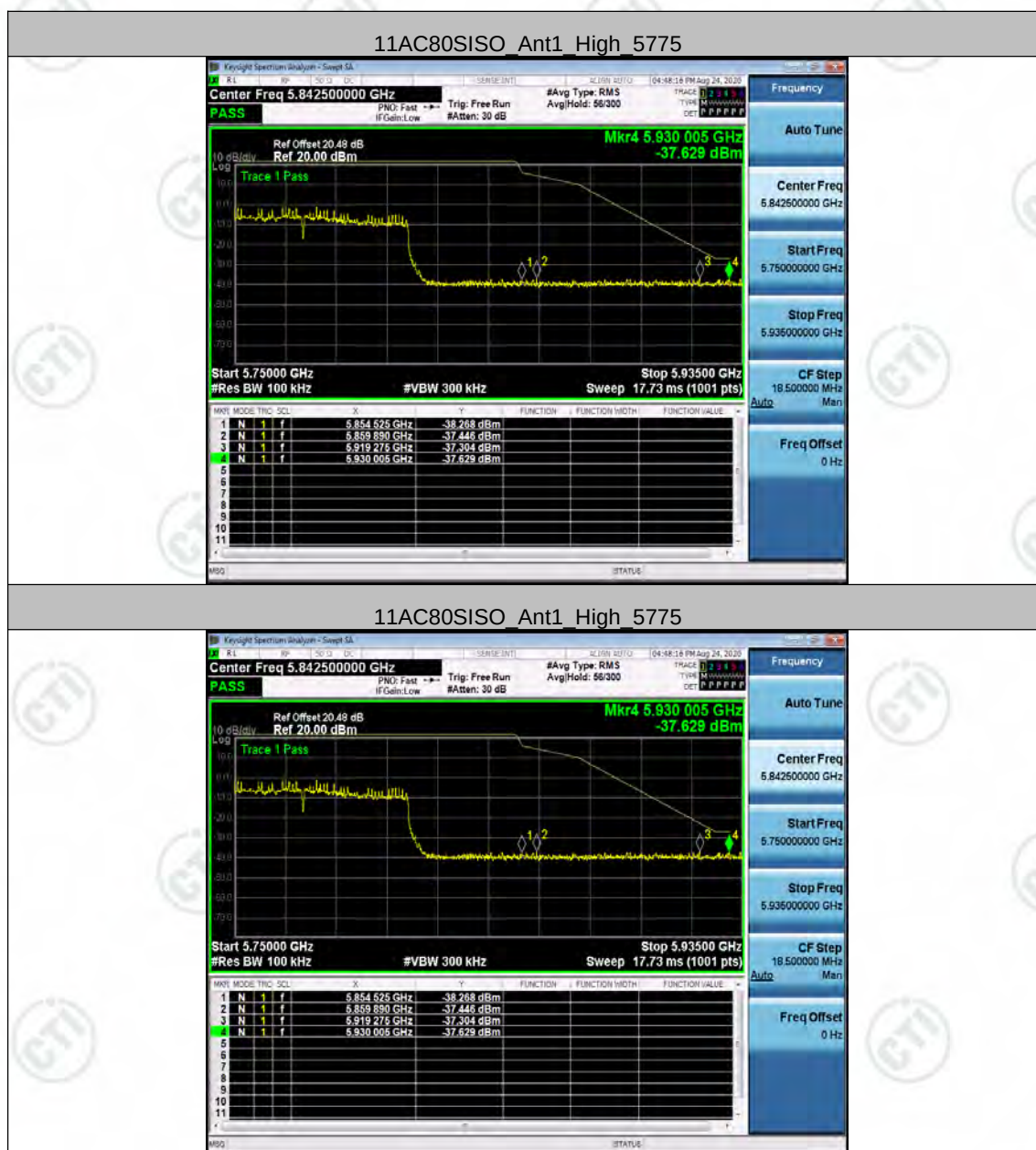




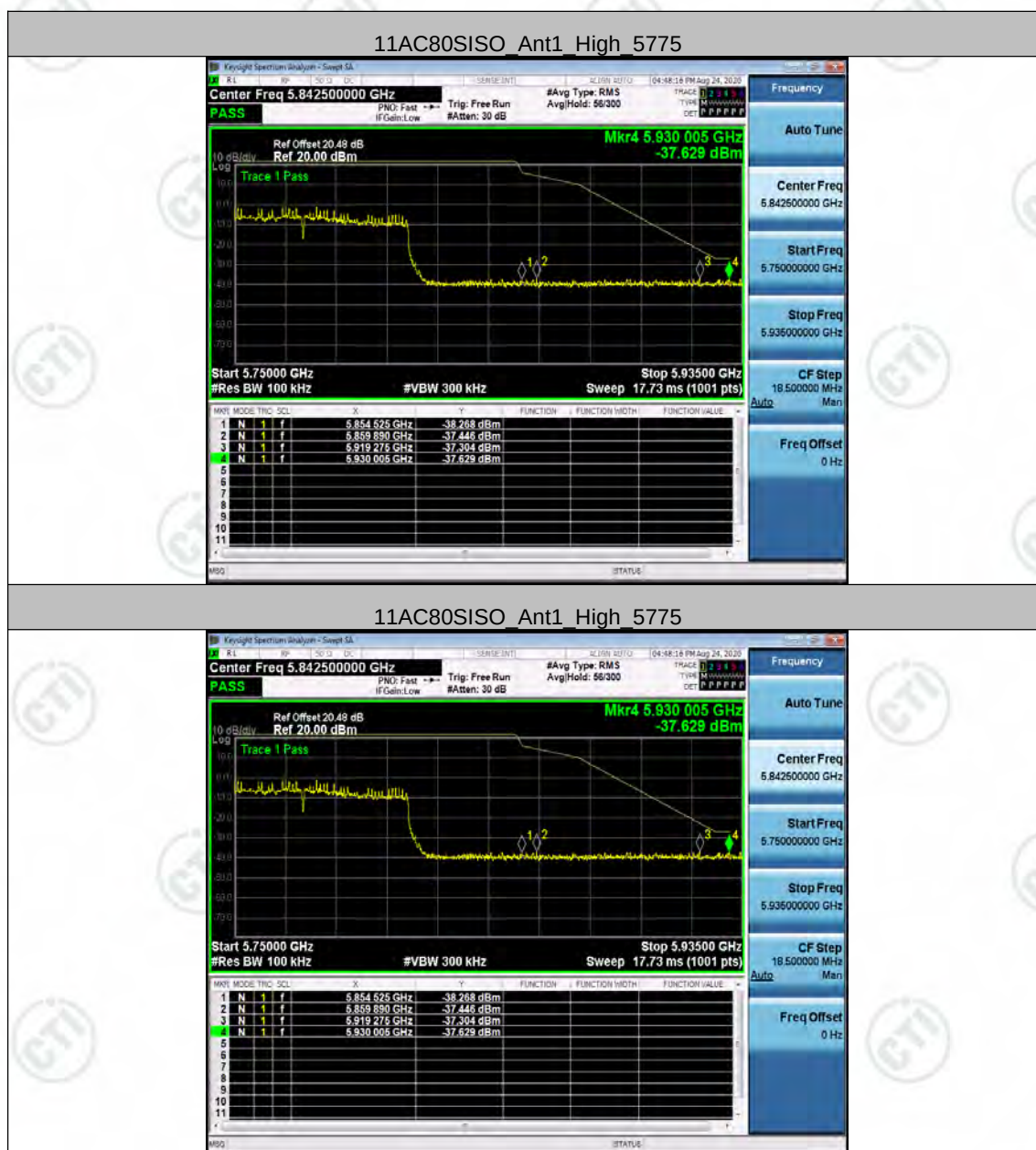


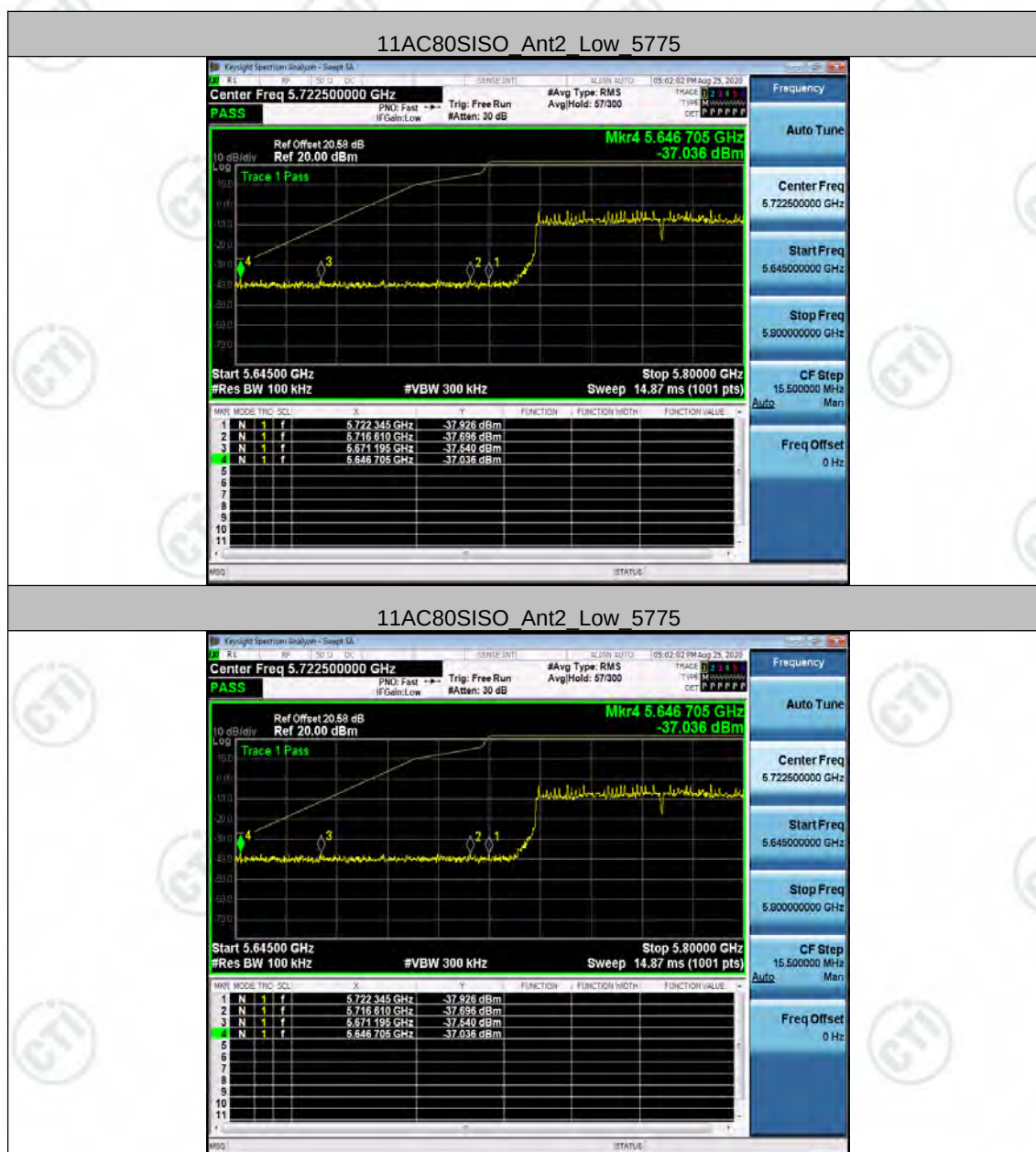




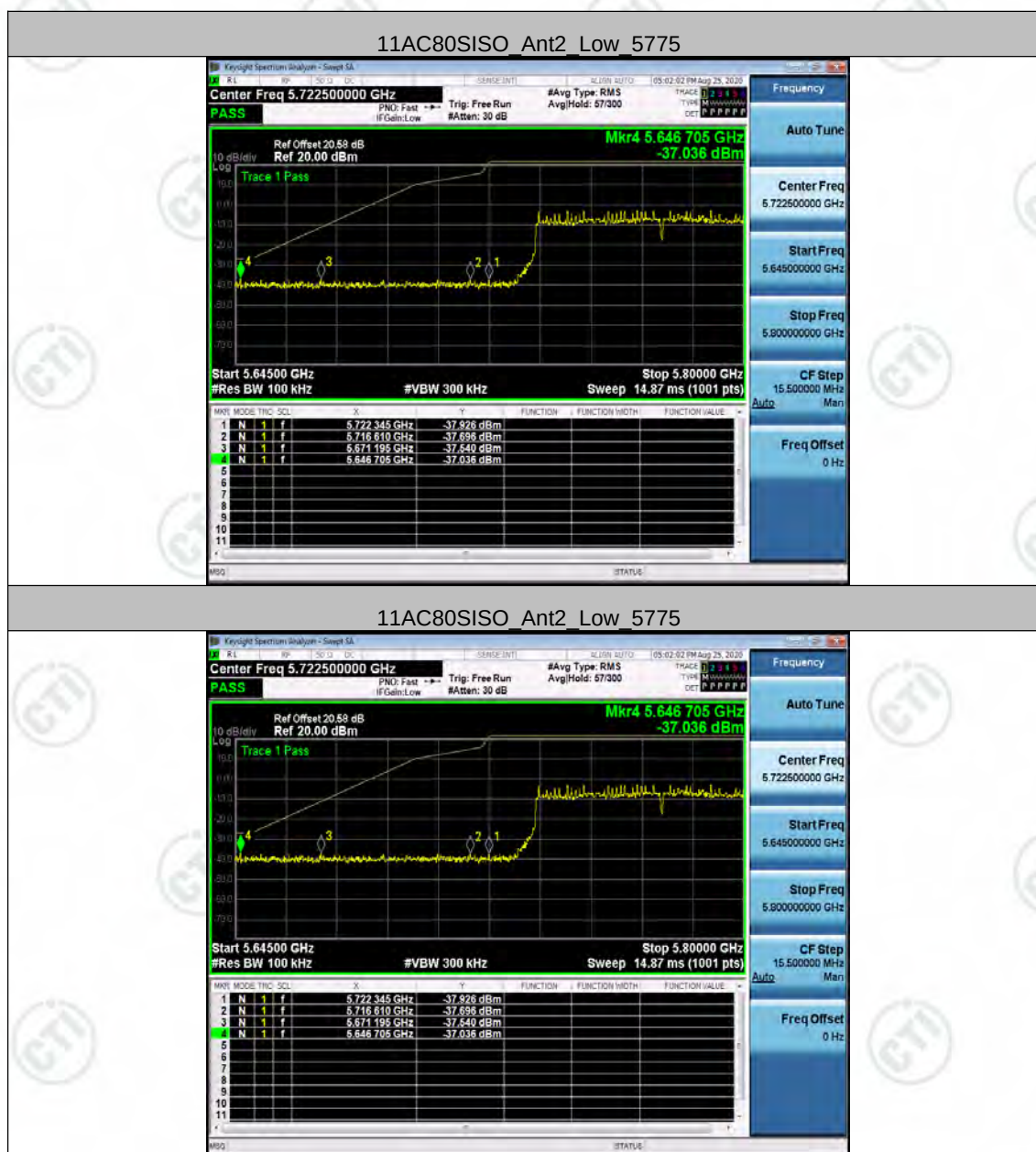


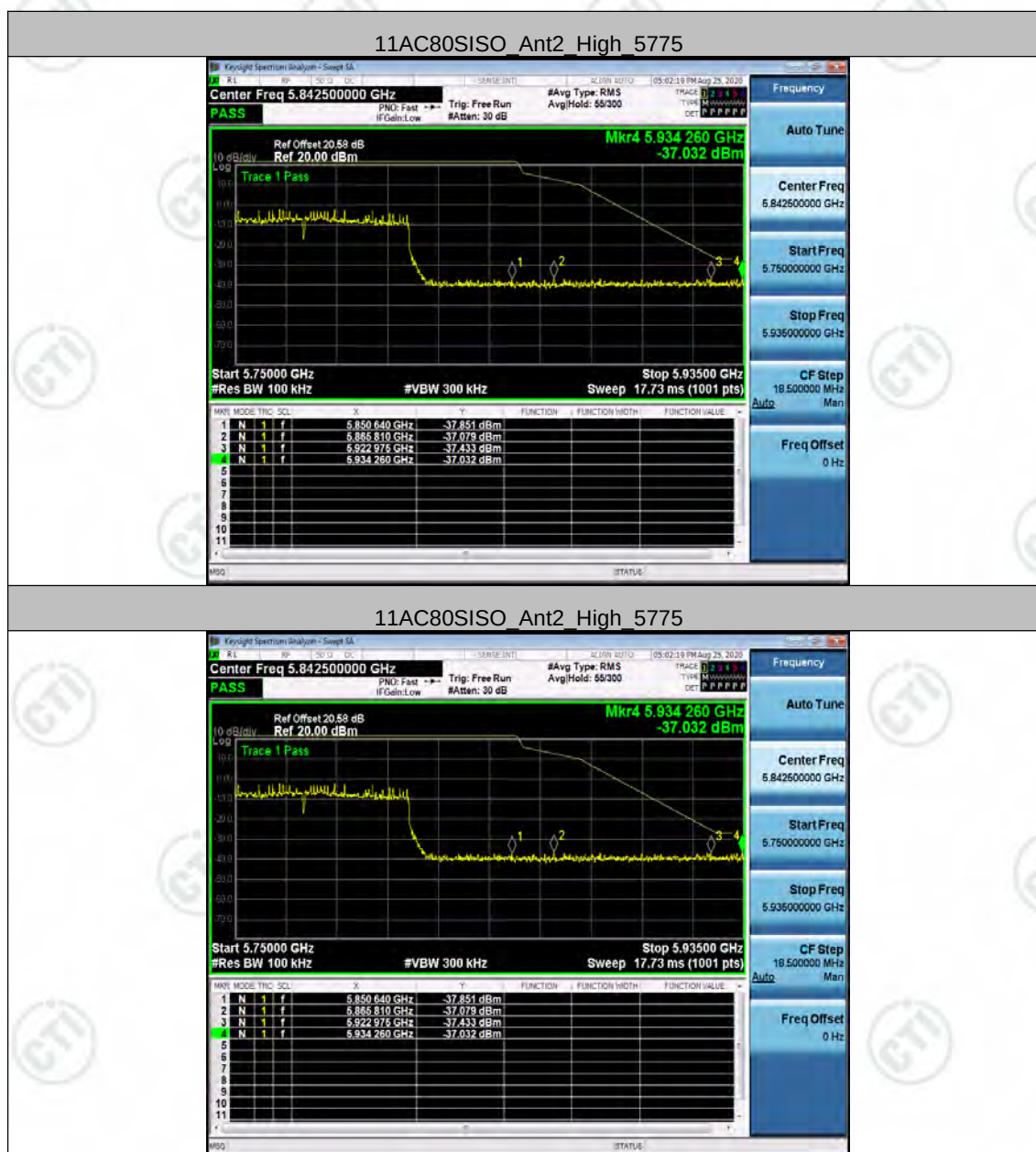




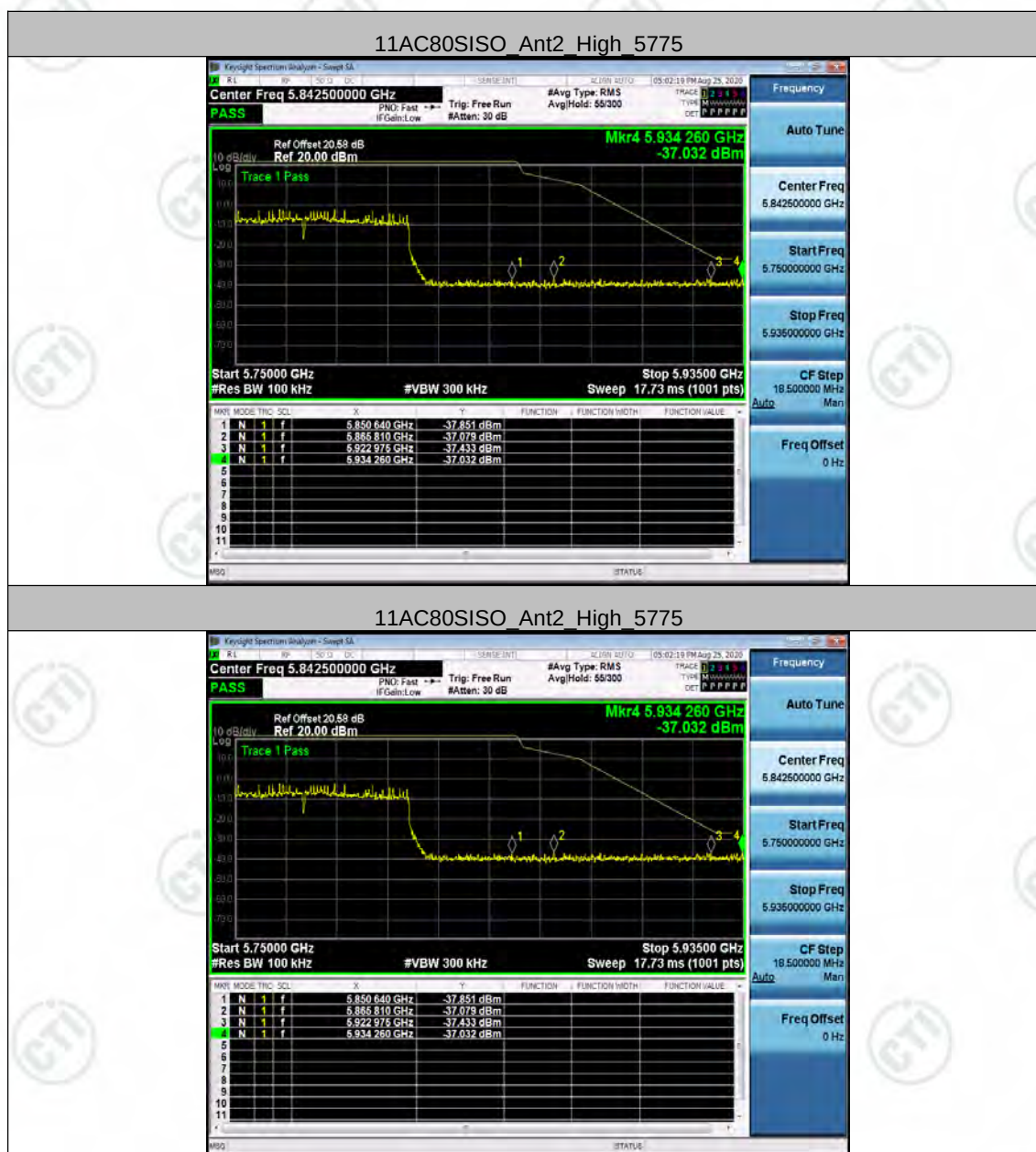












## Appendix E):Conducted Spurious Emission

### Test Result

| Test Mode | Antenna | Channel | Freq Range [MHz] | Max. Fre [MHz] | Max. Level [dBm] | Limit [dBm] | Verdict |
|-----------|---------|---------|------------------|----------------|------------------|-------------|---------|
| 11A       | Ant1    | 5180    | 30~5140          | 30~5140        | -39.889          | <=-27       | PASS    |
|           |         |         | 5360~40000       | 5360~40000     | -33.597          | <=-27       | PASS    |
|           | Ant2    | 5180    | 30~5140          | 30~5140        | -39.362          | <=-27       | PASS    |
|           |         |         | 5360~40000       | 5360~40000     | -33.825          | <=-27       | PASS    |
|           | Ant1    | 5200    | 30~5140          | 30~5140        | -41.578          | <=-27       | PASS    |
|           |         |         | 5360~40000       | 5360~40000     | -32.578          | <=-27       | PASS    |
|           | Ant2    | 5200    | 30~5140          | 30~5140        | -40.761          | <=-27       | PASS    |
|           |         |         | 5360~40000       | 5360~40000     | -33.381          | <=-27       | PASS    |
|           | Ant1    | 5240    | 30~5140          | 30~5140        | -41.743          | <=-27       | PASS    |
|           |         |         | 5360~40000       | 5360~40000     | -34.415          | <=-27       | PASS    |
|           | Ant2    | 5240    | 30~5140          | 30~5140        | -41.552          | <=-27       | PASS    |
|           |         |         | 5360~40000       | 5360~40000     | -33.879          | <=-27       | PASS    |
|           | Ant1    | 5260    | 30~5140          | 30~5140        | -41.283          | <=-27       | PASS    |
|           |         |         | 5360~40000       | 5360~40000     | -33.342          | <=-27       | PASS    |
|           | Ant2    | 5260    | 30~5140          | 30~5140        | -41.107          | <=-27       | PASS    |
|           |         |         | 5360~40000       | 5360~40000     | -34.616          | <=-27       | PASS    |
|           | Ant1    | 5280    | 30~5140          | 30~5140        | -41.057          | <=-27       | PASS    |
|           |         |         | 5360~40000       | 5360~40000     | -33.24           | <=-27       | PASS    |
|           | Ant2    | 5280    | 30~5140          | 30~5140        | -41.028          | <=-27       | PASS    |
|           |         |         | 5360~40000       | 5360~40000     | -34.638          | <=-27       | PASS    |



|  |      |      |            |            |         |       |      |
|--|------|------|------------|------------|---------|-------|------|
|  | Ant1 | 5320 | 30~5140    | 30~5140    | -39.989 | <=-27 | PASS |
|  |      |      | 5360~40000 | 5360~40000 | -33.825 | <=-27 | PASS |
|  | Ant2 | 5320 | 30~5140    | 30~5140    | -41.758 | <=-27 | PASS |
|  |      |      | 5360~40000 | 5360~40000 | -34.603 | <=-27 | PASS |
|  | Ant1 | 5500 | 30~5460    | 30~5460    | -40.878 | <=-27 | PASS |
|  |      |      | 5735~40000 | 5735~40000 | -33.438 | <=-27 | PASS |
|  | Ant2 | 5500 | 30~5460    | 30~5460    | -39.522 | <=-27 | PASS |
|  |      |      | 5735~40000 | 5735~40000 | -33.315 | <=-27 | PASS |
|  | Ant1 | 5580 | 30~5460    | 30~5460    | -41.237 | <=-27 | PASS |
|  |      |      | 5735~40000 | 5735~40000 | -33.226 | <=-27 | PASS |
|  | Ant2 | 5580 | 30~5460    | 30~5460    | -40.822 | <=-27 | PASS |
|  |      |      | 5735~40000 | 5735~40000 | -33.269 | <=-27 | PASS |
|  | Ant1 | 5700 | 30~5460    | 30~5460    | -40.558 | <=-27 | PASS |
|  |      |      | 5735~40000 | 5735~40000 | -32.563 | <=-27 | PASS |
|  | Ant2 | 5700 | 30~5460    | 30~5460    | -39.885 | <=-27 | PASS |
|  |      |      | 5735~40000 | 5735~40000 | -33.82  | <=-27 | PASS |
|  | Ant1 | 5745 | 30~5650    | 30~5650    | -39.734 | <=-27 | PASS |
|  |      |      | 5925~40000 | 5925~40000 | -32.219 | <=-27 | PASS |
|  | Ant2 | 5745 | 30~5650    | 30~5650    | -39.468 | <=-27 | PASS |
|  |      |      | 5925~40000 | 5925~40000 | -33.653 | <=-27 | PASS |
|  | Ant1 | 5785 | 30~5650    | 30~5650    | -39.263 | <=-27 | PASS |
|  |      |      | 5925~40000 | 5925~40000 | -32.875 | <=-27 | PASS |
|  | Ant2 | 5785 | 30~5650    | 30~5650    | -40.379 | <=-27 | PASS |
|  |      |      | 5925~40000 | 5925~40000 | -32.84  | <=-27 | PASS |

|           |      |      |            |            |         |       |      |
|-----------|------|------|------------|------------|---------|-------|------|
|           | Ant1 | 5825 | 30~5650    | 30~5650    | -37.388 | <=-27 | PASS |
|           |      |      | 5925~40000 | 5925~40000 | -32.427 | <=-27 | PASS |
|           | Ant2 | 5825 | 30~5650    | 30~5650    | -39.324 | <=-27 | PASS |
|           |      |      | 5925~40000 | 5925~40000 | -32.855 | <=-27 | PASS |
| 11N20SISO | Ant1 | 5180 | 30~5140    | 30~5140    | -40.708 | <=-27 | PASS |
|           |      |      | 5360~40000 | 5360~40000 | -33.027 | <=-27 | PASS |
|           | Ant2 | 5180 | 30~5140    | 30~5140    | -41.153 | <=-27 | PASS |
|           |      |      | 5360~40000 | 5360~40000 | -33.942 | <=-27 | PASS |
|           | Ant1 | 5200 | 30~5140    | 30~5140    | -40.413 | <=-27 | PASS |
|           |      |      | 5360~40000 | 5360~40000 | -33.293 | <=-27 | PASS |
|           | Ant2 | 5200 | 30~5140    | 30~5140    | -40.945 | <=-27 | PASS |
|           |      |      | 5360~40000 | 5360~40000 | -34.219 | <=-27 | PASS |
|           | Ant1 | 5240 | 30~5140    | 30~5140    | -41.16  | <=-27 | PASS |
|           |      |      | 5360~40000 | 5360~40000 | -32.939 | <=-27 | PASS |
|           | Ant2 | 5240 | 30~5140    | 30~5140    | -40.639 | <=-27 | PASS |
|           |      |      | 5360~40000 | 5360~40000 | -32.805 | <=-27 | PASS |
|           | Ant1 | 5260 | 30~5140    | 30~5140    | -40.974 | <=-27 | PASS |
|           |      |      | 5360~40000 | 5360~40000 | -33.081 | <=-27 | PASS |
|           | Ant2 | 5260 | 30~5140    | 30~5140    | -40.567 | <=-27 | PASS |
|           |      |      | 5360~40000 | 5360~40000 | -34.181 | <=-27 | PASS |
|           | Ant1 | 5280 | 30~5140    | 30~5140    | -41.074 | <=-27 | PASS |
|           |      |      | 5360~40000 | 5360~40000 | -33.49  | <=-27 | PASS |
|           | Ant2 | 5280 | 30~5140    | 30~5140    | -41.535 | <=-27 | PASS |
|           |      |      | 5360~40000 | 5360~40000 | -33.758 | <=-27 | PASS |



|      |      |            |            |         |       |      |
|------|------|------------|------------|---------|-------|------|
| Ant1 | 5320 | 30~5140    | 30~5140    | -41.328 | <=-27 | PASS |
|      |      | 5360~40000 | 5360~40000 | -33.145 | <=-27 | PASS |
| Ant2 | 5320 | 30~5140    | 30~5140    | -40.878 | <=-27 | PASS |
|      |      | 5360~40000 | 5360~40000 | -32.811 | <=-27 | PASS |
| Ant1 | 5500 | 30~5460    | 30~5460    | -37.022 | <=-27 | PASS |
|      |      | 5735~40000 | 5735~40000 | -32.904 | <=-27 | PASS |
| Ant2 | 5500 | 30~5460    | 30~5460    | -41.033 | <=-27 | PASS |
|      |      | 5735~40000 | 5735~40000 | -33.525 | <=-27 | PASS |
| Ant1 | 5580 | 30~5460    | 30~5460    | -40.716 | <=-27 | PASS |
|      |      | 5735~40000 | 5735~40000 | -33.706 | <=-27 | PASS |
| Ant2 | 5580 | 30~5460    | 30~5460    | -40.501 | <=-27 | PASS |
|      |      | 5735~40000 | 5735~40000 | -33.442 | <=-27 | PASS |
| Ant1 | 5700 | 30~5460    | 30~5460    | -40.366 | <=-27 | PASS |
|      |      | 5735~40000 | 5735~40000 | -33.013 | <=-27 | PASS |
| Ant2 | 5700 | 30~5460    | 30~5460    | -40.417 | <=-27 | PASS |
|      |      | 5735~40000 | 5735~40000 | -32.641 | <=-27 | PASS |
| Ant1 | 5745 | 30~5650    | 30~5650    | -39.209 | <=-27 | PASS |
|      |      | 5925~40000 | 5925~40000 | -32.544 | <=-27 | PASS |
| Ant2 | 5745 | 30~5650    | 30~5650    | -40.42  | <=-27 | PASS |
|      |      | 5925~40000 | 5925~40000 | -33.096 | <=-27 | PASS |
| Ant1 | 5785 | 30~5650    | 30~5650    | -40.307 | <=-27 | PASS |
|      |      | 5925~40000 | 5925~40000 | -31.909 | <=-27 | PASS |
| Ant2 | 5785 | 30~5650    | 30~5650    | -39.233 | <=-27 | PASS |
|      |      | 5925~40000 | 5925~40000 | -32.846 | <=-27 | PASS |

|           |      |      |            |            |         |       |      |
|-----------|------|------|------------|------------|---------|-------|------|
|           | Ant1 | 5825 | 30~5650    | 30~5650    | -39.256 | <=-27 | PASS |
|           |      |      | 5925~40000 | 5925~40000 | -32.242 | <=-27 | PASS |
|           | Ant2 | 5825 | 30~5650    | 30~5650    | -40.132 | <=-27 | PASS |
|           |      |      | 5925~40000 | 5925~40000 | -32.496 | <=-27 | PASS |
| 11N40SISO | Ant1 | 5190 | 30~5140    | 30~5140    | -34.786 | <=-27 | PASS |
|           |      |      | 5360~40000 | 5360~40000 | -33     | <=-27 | PASS |
|           | Ant2 | 5190 | 30~5140    | 30~5140    | -36.493 | <=-27 | PASS |
|           |      |      | 5360~40000 | 5360~40000 | -34.091 | <=-27 | PASS |
|           | Ant1 | 5230 | 30~5140    | 30~5140    | -41.056 | <=-27 | PASS |
|           |      |      | 5360~40000 | 5360~40000 | -33.548 | <=-27 | PASS |
|           | Ant2 | 5230 | 30~5140    | 30~5140    | -40.973 | <=-27 | PASS |
|           |      |      | 5360~40000 | 5360~40000 | -33.826 | <=-27 | PASS |
|           | Ant1 | 5270 | 30~5140    | 30~5140    | -41.379 | <=-27 | PASS |
|           |      |      | 5360~40000 | 5360~40000 | -33.832 | <=-27 | PASS |
|           | Ant2 | 5270 | 30~5140    | 30~5140    | -40.351 | <=-27 | PASS |
|           |      |      | 5360~40000 | 5360~40000 | -33.617 | <=-27 | PASS |
|           | Ant1 | 5310 | 30~5140    | 30~5140    | -41.741 | <=-27 | PASS |
|           |      |      | 5360~40000 | 5360~40000 | -32.667 | <=-27 | PASS |
|           | Ant2 | 5310 | 30~5140    | 30~5140    | -40.777 | <=-27 | PASS |
|           |      |      | 5360~40000 | 5360~40000 | -33.1   | <=-27 | PASS |
|           | Ant1 | 5510 | 30~5460    | 30~5460    | -32.841 | <=-27 | PASS |
|           |      |      | 5735~40000 | 5735~40000 | -33.34  | <=-27 | PASS |
|           | Ant2 | 5510 | 30~5460    | 30~5460    | -36.936 | <=-27 | PASS |
|           |      |      | 5735~40000 | 5735~40000 | -32.769 | <=-27 | PASS |



|            |      |      |            |            |         |       |      |
|------------|------|------|------------|------------|---------|-------|------|
| 11AC20SISO | Ant1 | 5550 | 30~5460    | 30~5460    | -41.067 | <=-27 | PASS |
|            |      |      | 5735~40000 | 5735~40000 | -32.488 | <=-27 | PASS |
|            | Ant2 | 5550 | 30~5460    | 30~5460    | -40.205 | <=-27 | PASS |
|            |      |      | 5735~40000 | 5735~40000 | -33.33  | <=-27 | PASS |
|            | Ant1 | 5670 | 30~5460    | 30~5460    | -39.419 | <=-27 | PASS |
|            |      |      | 5735~40000 | 5735~40000 | -32.771 | <=-27 | PASS |
|            | Ant2 | 5670 | 30~5460    | 30~5460    | -40.416 | <=-27 | PASS |
|            |      |      | 5735~40000 | 5735~40000 | -33.771 | <=-27 | PASS |
|            | Ant1 | 5755 | 30~5650    | 30~5650    | -39.039 | <=-27 | PASS |
|            |      |      | 5925~40000 | 5925~40000 | -32.832 | <=-27 | PASS |
|            | Ant2 | 5755 | 30~5650    | 30~5650    | -39.804 | <=-27 | PASS |
|            |      |      | 5925~40000 | 5925~40000 | -33.042 | <=-27 | PASS |
|            | Ant1 | 5795 | 30~5650    | 30~5650    | -39.83  | <=-27 | PASS |
|            |      |      | 5925~40000 | 5925~40000 | -32.824 | <=-27 | PASS |
|            | Ant2 | 5795 | 30~5650    | 30~5650    | -40.243 | <=-27 | PASS |
|            |      |      | 5925~40000 | 5925~40000 | -32.675 | <=-27 | PASS |
|            | Ant1 | 5180 | 30~5140    | 30~5140    | -40.666 | <=-27 | PASS |
|            |      |      | 5360~40000 | 5360~40000 | -33.986 | <=-27 | PASS |
|            | Ant2 | 5180 | 30~5140    | 30~5140    | -40.571 | <=-27 | PASS |
|            |      |      | 5360~40000 | 5360~40000 | -33.643 | <=-27 | PASS |
|            | Ant1 | 5200 | 30~5140    | 30~5140    | -40.12  | <=-27 | PASS |
|            |      |      | 5360~40000 | 5360~40000 | -33.974 | <=-27 | PASS |
|            | Ant2 | 5200 | 30~5140    | 30~5140    | -40.801 | <=-27 | PASS |
|            |      |      | 5360~40000 | 5360~40000 | -33.405 | <=-27 | PASS |

|      |      |            |            |         |       |      |
|------|------|------------|------------|---------|-------|------|
| Ant1 | 5240 | 30~5140    | 30~5140    | -41.482 | <=-27 | PASS |
|      |      | 5360~40000 | 5360~40000 | -34.36  | <=-27 | PASS |
| Ant2 | 5240 | 30~5140    | 30~5140    | -41.092 | <=-27 | PASS |
|      |      | 5360~40000 | 5360~40000 | -34.416 | <=-27 | PASS |
| Ant1 | 5260 | 30~5140    | 30~5140    | -40.619 | <=-27 | PASS |
|      |      | 5360~40000 | 5360~40000 | -32.983 | <=-27 | PASS |
| Ant2 | 5260 | 30~5140    | 30~5140    | -40.962 | <=-27 | PASS |
|      |      | 5360~40000 | 5360~40000 | -33.105 | <=-27 | PASS |
| Ant1 | 5280 | 30~5140    | 30~5140    | -41.43  | <=-27 | PASS |
|      |      | 5360~40000 | 5360~40000 | -34.413 | <=-27 | PASS |
| Ant2 | 5280 | 30~5140    | 30~5140    | -40.999 | <=-27 | PASS |
|      |      | 5360~40000 | 5360~40000 | -34.327 | <=-27 | PASS |
| Ant1 | 5320 | 30~5140    | 30~5140    | -39.661 | <=-27 | PASS |
|      |      | 5360~40000 | 5360~40000 | -34.292 | <=-27 | PASS |
| Ant2 | 5320 | 30~5140    | 30~5140    | -41.535 | <=-27 | PASS |
|      |      | 5360~40000 | 5360~40000 | -34.017 | <=-27 | PASS |
| Ant1 | 5500 | 30~5460    | 30~5460    | -41.032 | <=-27 | PASS |
|      |      | 5735~40000 | 5735~40000 | -33.918 | <=-27 | PASS |
| Ant2 | 5500 | 30~5460    | 30~5460    | -41.188 | <=-27 | PASS |
|      |      | 5735~40000 | 5735~40000 | -33.427 | <=-27 | PASS |
| Ant1 | 5580 | 30~5460    | 30~5460    | -40.727 | <=-27 | PASS |
|      |      | 5735~40000 | 5735~40000 | -33.426 | <=-27 | PASS |
| Ant2 | 5580 | 30~5460    | 30~5460    | -40.716 | <=-27 | PASS |
|      |      | 5735~40000 | 5735~40000 | -33.254 | <=-27 | PASS |



|            |      |      |            |            |         |       |      |
|------------|------|------|------------|------------|---------|-------|------|
| 11AC40SISO | Ant1 | 5700 | 30~5460    | 30~5460    | -40.144 | <=-27 | PASS |
|            |      |      | 5735~40000 | 5735~40000 | -33.449 | <=-27 | PASS |
|            | Ant2 | 5700 | 30~5460    | 30~5460    | -40.997 | <=-27 | PASS |
|            |      |      | 5735~40000 | 5735~40000 | -33.415 | <=-27 | PASS |
|            | Ant1 | 5745 | 30~5650    | 30~5650    | -40.131 | <=-27 | PASS |
|            |      |      | 5925~40000 | 5925~40000 | -33.25  | <=-27 | PASS |
|            | Ant2 | 5745 | 30~5650    | 30~5650    | -39.841 | <=-27 | PASS |
|            |      |      | 5925~40000 | 5925~40000 | -32.072 | <=-27 | PASS |
|            | Ant1 | 5785 | 30~5650    | 30~5650    | -39.609 | <=-27 | PASS |
|            |      |      | 5925~40000 | 5925~40000 | -33.035 | <=-27 | PASS |
|            | Ant2 | 5785 | 30~5650    | 30~5650    | -39.798 | <=-27 | PASS |
|            |      |      | 5925~40000 | 5925~40000 | -32.257 | <=-27 | PASS |
|            | Ant1 | 5825 | 30~5650    | 30~5650    | -39.665 | <=-27 | PASS |
|            |      |      | 5925~40000 | 5925~40000 | -32.864 | <=-27 | PASS |
|            | Ant2 | 5825 | 30~5650    | 30~5650    | -39.283 | <=-27 | PASS |
|            |      |      | 5925~40000 | 5925~40000 | -31.041 | <=-27 | PASS |
|            | Ant1 | 5190 | 30~5140    | 30~5140    | -36.567 | <=-27 | PASS |
|            |      |      | 5360~40000 | 5360~40000 | -33.74  | <=-27 | PASS |
|            | Ant2 | 5190 | 30~5140    | 30~5140    | -37.024 | <=-27 | PASS |
|            |      |      | 5360~40000 | 5360~40000 | -33.609 | <=-27 | PASS |
|            | Ant1 | 5230 | 30~5140    | 30~5140    | -41.046 | <=-27 | PASS |
|            |      |      | 5360~40000 | 5360~40000 | -33.806 | <=-27 | PASS |
|            | Ant2 | 5230 | 30~5140    | 30~5140    | -40.948 | <=-27 | PASS |
|            |      |      | 5360~40000 | 5360~40000 | -33.255 | <=-27 | PASS |

|      |      |            |            |         |       |      |
|------|------|------------|------------|---------|-------|------|
| Ant1 | 5270 | 30~5140    | 30~5140    | -39.37  | <=-27 | PASS |
|      |      | 5360~40000 | 5360~40000 | -34.388 | <=-27 | PASS |
| Ant2 | 5270 | 30~5140    | 30~5140    | -41.163 | <=-27 | PASS |
|      |      | 5360~40000 | 5360~40000 | -33.413 | <=-27 | PASS |
| Ant1 | 5310 | 30~5140    | 30~5140    | -40.16  | <=-27 | PASS |
|      |      | 5360~40000 | 5360~40000 | -33.911 | <=-27 | PASS |
| Ant2 | 5310 | 30~5140    | 30~5140    | -41.443 | <=-27 | PASS |
|      |      | 5360~40000 | 5360~40000 | -33.784 | <=-27 | PASS |
| Ant1 | 5510 | 30~5460    | 30~5460    | -35.694 | <=-27 | PASS |
|      |      | 5735~40000 | 5735~40000 | -33.656 | <=-27 | PASS |
| Ant2 | 5510 | 30~5460    | 30~5460    | -38.725 | <=-27 | PASS |
|      |      | 5735~40000 | 5735~40000 | -33.225 | <=-27 | PASS |
| Ant1 | 5550 | 30~5460    | 30~5460    | -40.279 | <=-27 | PASS |
|      |      | 5735~40000 | 5735~40000 | -33.062 | <=-27 | PASS |
| Ant2 | 5550 | 30~5460    | 30~5460    | -39.692 | <=-27 | PASS |
|      |      | 5735~40000 | 5735~40000 | -33.396 | <=-27 | PASS |
| Ant1 | 5670 | 30~5460    | 30~5460    | -39.883 | <=-27 | PASS |
|      |      | 5735~40000 | 5735~40000 | -32.805 | <=-27 | PASS |
| Ant2 | 5670 | 30~5460    | 30~5460    | -40.423 | <=-27 | PASS |
|      |      | 5735~40000 | 5735~40000 | -32.617 | <=-27 | PASS |
| Ant1 | 5755 | 30~5650    | 30~5650    | -39.762 | <=-27 | PASS |
|      |      | 5925~40000 | 5925~40000 | -33.098 | <=-27 | PASS |
| Ant2 | 5755 | 30~5650    | 30~5650    | -39.955 | <=-27 | PASS |
|      |      | 5925~40000 | 5925~40000 | -32.572 | <=-27 | PASS |



|            |      |      |            |            |         |       |      |
|------------|------|------|------------|------------|---------|-------|------|
|            | Ant1 | 5795 | 30~5650    | 30~5650    | -39.424 | <=-27 | PASS |
|            |      |      | 5925~40000 | 5925~40000 | -31.761 | <=-27 | PASS |
|            | Ant2 | 5795 | 30~5650    | 30~5650    | -39.666 | <=-27 | PASS |
|            |      |      | 5925~40000 | 5925~40000 | -32.212 | <=-27 | PASS |
| 11AC80SISO | Ant1 | 5210 | 30~5140    | 30~5140    | -38.896 | <=-27 | PASS |
|            |      |      | 5360~40000 | 5360~40000 | -33.833 | <=-27 | PASS |
|            | Ant2 | 5210 | 30~5140    | 30~5140    | -40.774 | <=-27 | PASS |
|            |      |      | 5360~40000 | 5360~40000 | -33.058 | <=-27 | PASS |
|            | Ant1 | 5290 | 30~5140    | 30~5140    | -41.647 | <=-27 | PASS |
|            |      |      | 5360~40000 | 5360~40000 | -33.908 | <=-27 | PASS |
|            | Ant2 | 5290 | 30~5140    | 30~5140    | -40.492 | <=-27 | PASS |
|            |      |      | 5360~40000 | 5360~40000 | -33.388 | <=-27 | PASS |
|            | Ant1 | 5530 | 30~5460    | 30~5460    | -39.256 | <=-27 | PASS |
|            |      |      | 5735~40000 | 5735~40000 | -33.608 | <=-27 | PASS |
|            | Ant2 | 5530 | 30~5460    | 30~5460    | -36.627 | <=-27 | PASS |
|            |      |      | 5735~40000 | 5735~40000 | -33.176 | <=-27 | PASS |
|            | Ant1 | 5610 | 30~5460    | 30~5460    | -40.904 | <=-27 | PASS |
|            |      |      | 5735~40000 | 5735~40000 | -33.689 | <=-27 | PASS |
|            | Ant2 | 5610 | 30~5460    | 30~5460    | -40.404 | <=-27 | PASS |
|            |      |      | 5735~40000 | 5735~40000 | -32.578 | <=-27 | PASS |
|            | Ant1 | 5775 | 30~5650    | 30~5650    | -39.665 | <=-27 | PASS |
|            |      |      | 5925~40000 | 5925~40000 | -33.008 | <=-27 | PASS |
|            | Ant2 | 5775 | 30~5650    | 30~5650    | -39.98  | <=-27 | PASS |
|            |      |      | 5925~40000 | 5925~40000 | -32.899 | <=-27 | PASS |

|           |      |      |            |            |         |       |      |
|-----------|------|------|------------|------------|---------|-------|------|
| 11N20MIMO | Ant1 | 5180 | 30~5140    | 30~5140    | -40.875 | <=-27 | PASS |
|           |      |      | 5360~40000 | 5360~40000 | -33.753 | <=-27 | PASS |
|           | Ant2 | 5180 | 30~5140    | 30~5140    | -39.938 | <=-27 | PASS |
|           |      |      | 5360~40000 | 5360~40000 | -33.033 | <=-27 | PASS |
|           | Ant1 | 5200 | 30~5140    | 30~5140    | -40.94  | <=-27 | PASS |
|           |      |      | 5360~40000 | 5360~40000 | -33.879 | <=-27 | PASS |
|           |      | 5785 | 30~5650    | 30~5650    | -39.357 | <=-27 | PASS |
|           |      |      | 5925~40000 | 5925~40000 | -32.097 | <=-27 | PASS |

## Test Graphs

