

|                                                       |                                          |
|-------------------------------------------------------|------------------------------------------|
| <b>Case No. :</b> <u>GTS20250310021-1-14</u>          |                                          |
| <b>Ambient Condition:</b> <u>22</u> °C, <u>51</u> %RH |                                          |
| <b>According Standard:</b> ■Part15E                   |                                          |
| <b>Test Date:</b> <u>2025.5.22</u>                    | <b>Test Engineer:</b> <u>Evan ouyang</u> |

## Appendix E.1: Emission Bandwidth

### Test Result

| TestMode   | Antenna | Freq(MHz) | 26db EBW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|-----------|-------------------|----------|----------|------------|---------|
| 11A        | Ant1    | 5260      | 28.640            | 5245.160 | 5273.800 | ---        | ---     |
|            |         | 5280      | 25.080            | 5267.320 | 5292.400 | ---        | ---     |
|            |         | 5320      | 26.320            | 5306.920 | 5333.240 | ---        | ---     |
| 11N20SISO  | Ant1    | 5260      | 27.960            | 5245.480 | 5273.440 | ---        | ---     |
|            |         | 5280      | 28.920            | 5265.080 | 5294.000 | ---        | ---     |
|            |         | 5320      | 28.800            | 5306.800 | 5335.600 | ---        | ---     |
| 11N40SISO  | Ant1    | 5270      | 56.640            | 5237.840 | 5294.480 | ---        | ---     |
|            |         | 5310      | 51.920            | 5283.680 | 5335.600 | ---        | ---     |
| 11AC20SISO | Ant1    | 5260      | 31.080            | 5242.400 | 5273.480 | ---        | ---     |
|            |         | 5280      | 29.200            | 5264.560 | 5293.760 | ---        | ---     |
|            |         | 5320      | 25.640            | 5307.360 | 5333.000 | ---        | ---     |
| 11AC40SISO | Ant1    | 5270      | 46.320            | 5246.640 | 5292.960 | ---        | ---     |
|            |         | 5310      | 46.480            | 5286.800 | 5333.280 | ---        | ---     |
| 11AC80SISO | Ant1    | 5290      | 87.840            | 5246.000 | 5333.840 | ---        | ---     |
| 11AX20SISO | Ant1    | 5260      | 24.040            | 5247.960 | 5272.000 | ---        | ---     |
|            |         | 5280      | 24.080            | 5268.000 | 5292.080 | ---        | ---     |
|            |         | 5320      | 24.760            | 5308.200 | 5332.960 | ---        | ---     |
| 11AX40SISO | Ant1    | 5270      | 45.840            | 5247.200 | 5293.040 | ---        | ---     |
|            |         | 5310      | 44.880            | 5287.440 | 5332.320 | ---        | ---     |
| 11AX80SISO | Ant1    | 5290      | 86.400            | 5246.800 | 5333.200 | ---        | ---     |

## Test Graphs

11A\_Ant1\_5260



11A\_Ant1\_5280



11A\_Ant1\_5320



11N20SISO\_Ant1\_5260



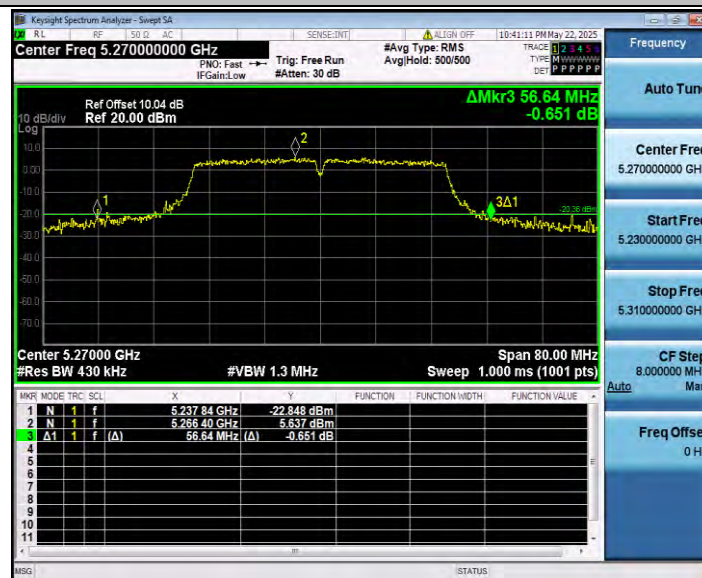
11N20SISO\_Ant1\_5280



## 11N20SISO\_Ant1\_5320



## 11N40SISO\_Ant1\_5270



## 11N40SISO\_Ant1\_5310



11AC20SISO\_Ant1\_5260



11AC20SISO\_Ant1\_5280



## 11AC20SISO\_Ant1\_5320



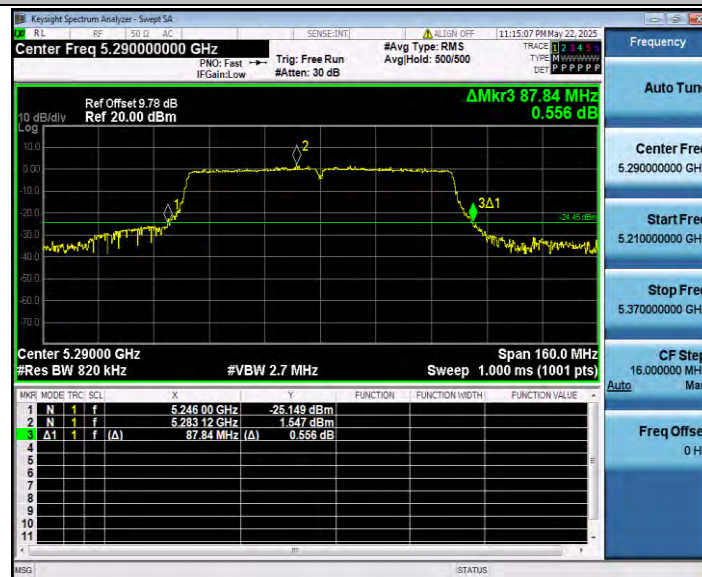
## 11AC40SISO\_Ant1\_5270



## 11AC40SISO\_Ant1\_5310



11AC80SISO\_Ant1\_5290



11AX20SISO\_Ant1\_5260



## 11AX20SISO\_Ant1\_5280



## 11AX20SISO\_Ant1\_5320



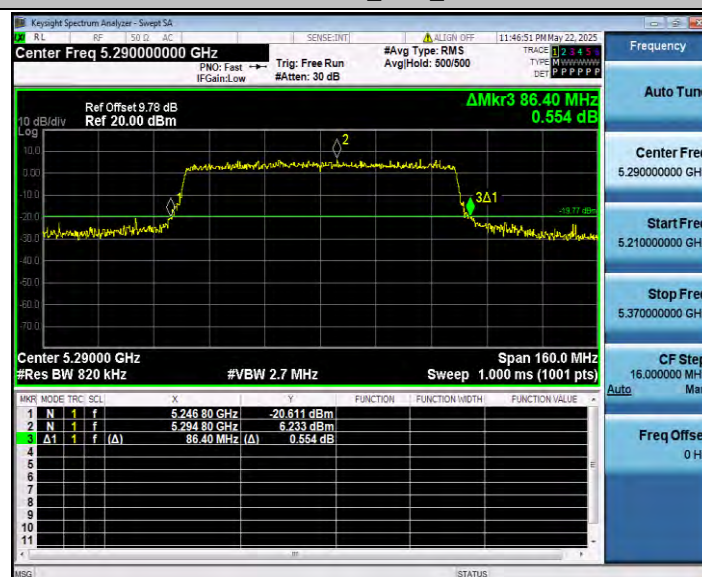
## 11AX40SISO\_Ant1\_5270



11AX40ISO\_Ant1\_5310



11AX80ISO\_Ant1\_5290



## Appendix E.2: Occupied channel bandwidth

### Test Result

| TestMode   | Antenna | Freq(MHz) | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|------------|---------|-----------|-----------|-----------|-----------|------------|---------|
| 11A        | Ant1    | 5260      | 17.729    | 5250.9863 | 5268.7153 | ---        | ---     |
|            |         | 5280      | 17.682    | 5271.0607 | 5288.7427 | ---        | ---     |
|            |         | 5320      | 17.702    | 5311.1521 | 5328.8541 | ---        | ---     |
| 11N20SISO  | Ant1    | 5260      | 19.000    | 5250.3563 | 5269.3563 | ---        | ---     |
|            |         | 5280      | 18.951    | 5270.4515 | 5289.4025 | ---        | ---     |
|            |         | 5320      | 18.836    | 5310.6242 | 5329.4602 | ---        | ---     |
| 11N40SISO  | Ant1    | 5270      | 37.628    | 5251.1131 | 5288.7411 | ---        | ---     |
|            |         | 5310      | 37.495    | 5291.3516 | 5328.8466 | ---        | ---     |
| 11AC20SISO | Ant1    | 5260      | 19.035    | 5250.3746 | 5269.4096 | ---        | ---     |
|            |         | 5280      | 18.978    | 5270.4800 | 5289.4580 | ---        | ---     |
|            |         | 5320      | 18.715    | 5310.7081 | 5329.4231 | ---        | ---     |
| 11AC40SISO | Ant1    | 5270      | 37.341    | 5251.2382 | 5288.5792 | ---        | ---     |
|            |         | 5310      | 37.348    | 5291.4305 | 5328.7785 | ---        | ---     |
| 11AC80SISO | Ant1    | 5290      | 76.416    | 5251.8337 | 5328.2497 | ---        | ---     |
| 11AX20SISO | Ant1    | 5260      | 19.417    | 5250.2629 | 5269.6799 | ---        | ---     |
|            |         | 5280      | 19.456    | 5270.2404 | 5289.6964 | ---        | ---     |
|            |         | 5320      | 19.498    | 5310.2912 | 5329.7892 | ---        | ---     |
| 11AX40SISO | Ant1    | 5270      | 38.409    | 5250.7621 | 5289.1711 | ---        | ---     |
|            |         | 5310      | 38.279    | 5290.8760 | 5329.1550 | ---        | ---     |
| 11AX80SISO | Ant1    | 5290      | 78.111    | 5251.0783 | 5329.1893 | ---        | ---     |

## Test Graphs

11A\_Ant1\_5260



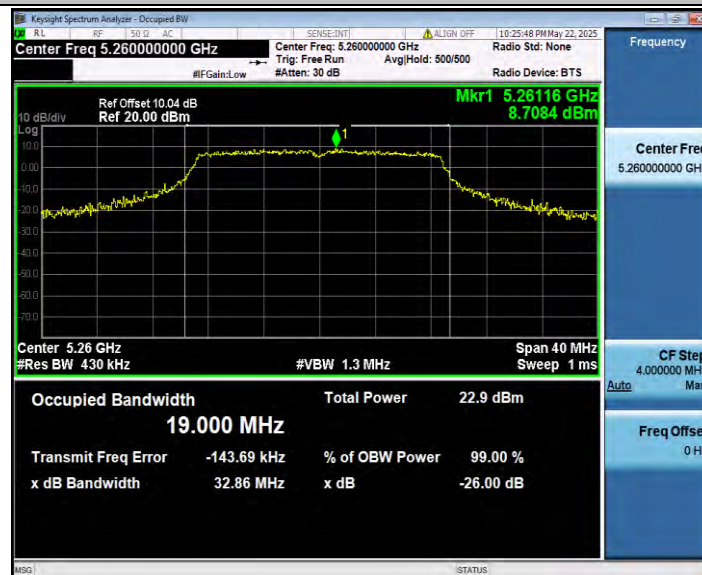
11A\_Ant1\_5280



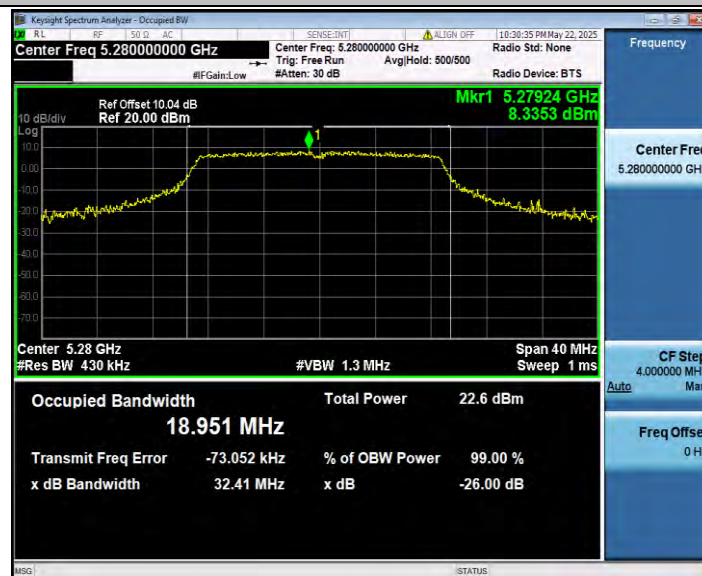
11A\_Ant1\_5320



11N20SISO\_Ant1\_5260



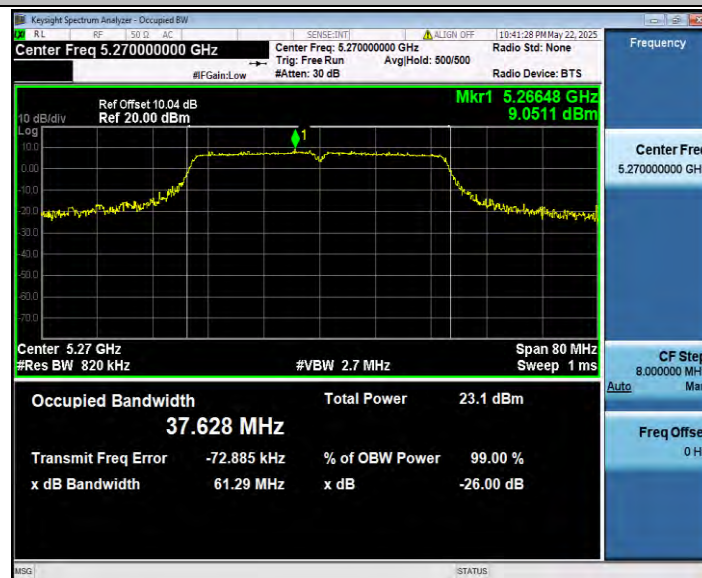
11N20SISO\_Ant1\_5280



## 11N20SISO\_Ant1\_5320



## 11N40SISO\_Ant1\_5270



## 11N40SISO\_Ant1\_5310



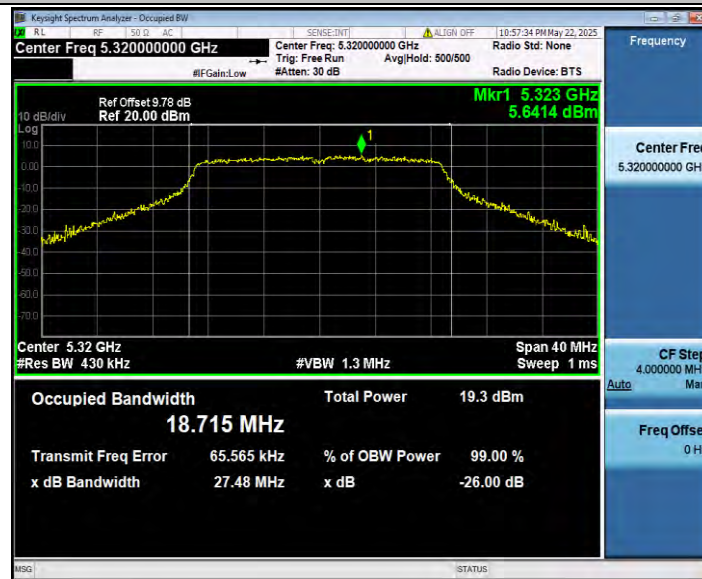
11AC20SISO\_Ant1\_5260



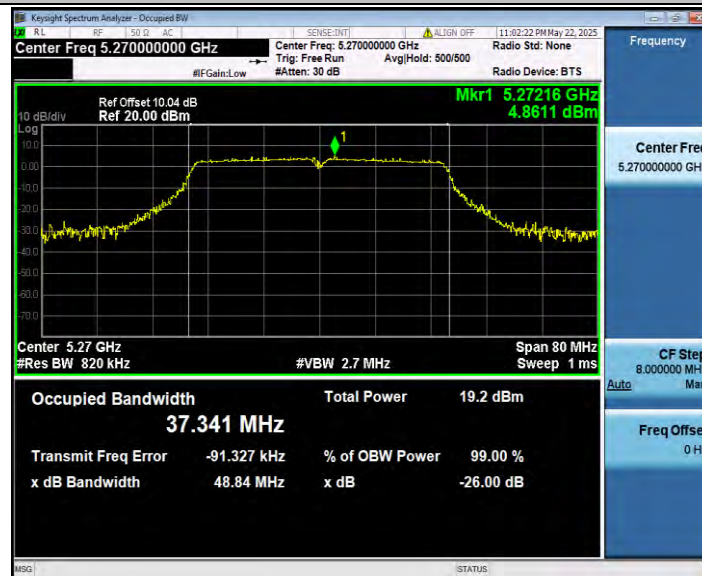
11AC20SISO\_Ant1\_5280



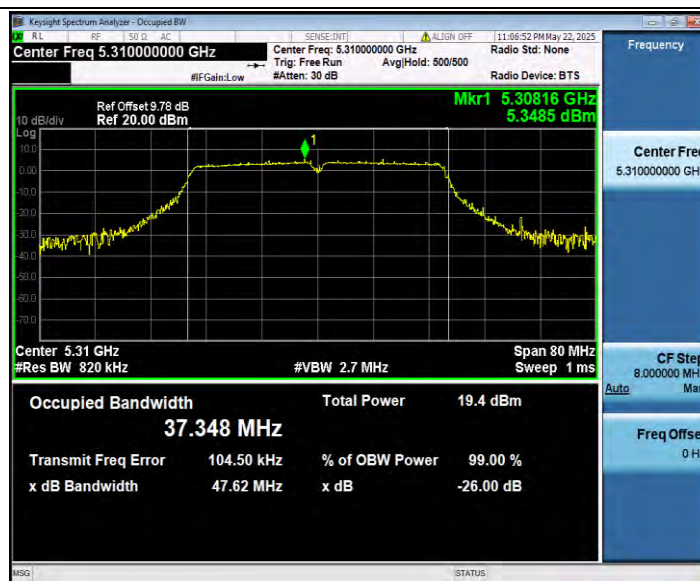
## 11AC20SISO\_Ant1\_5320



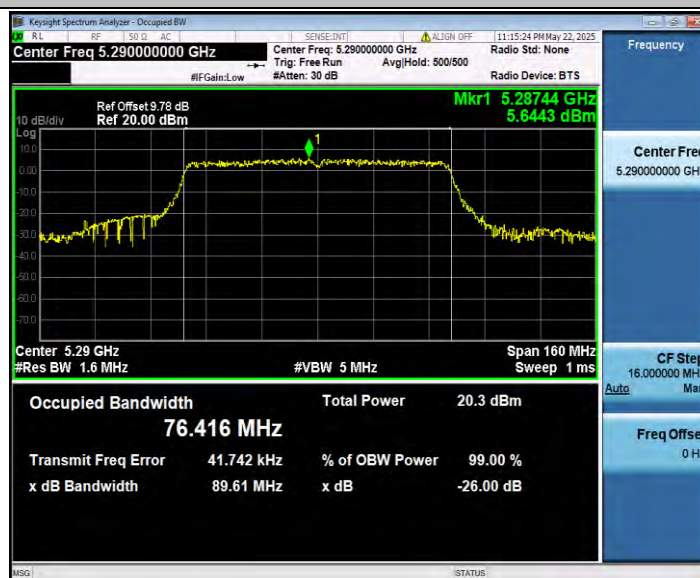
## 11AC40SISO\_Ant1\_5270



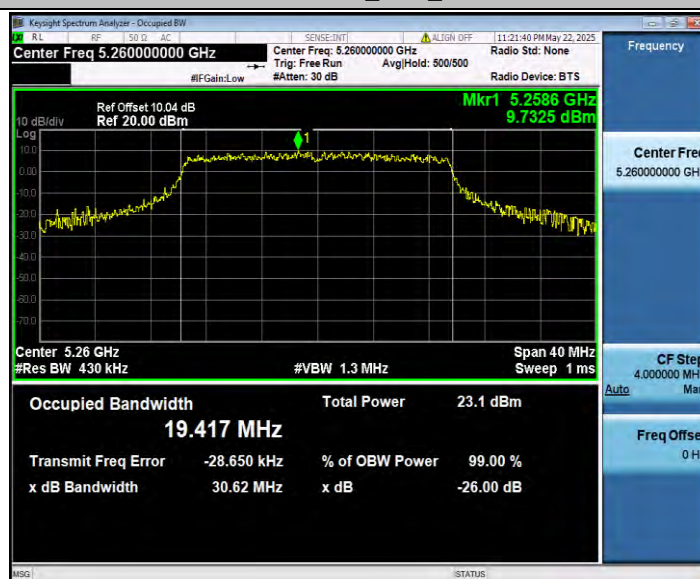
## 11AC40SISO\_Ant1\_5310



11AC80SISO\_Ant1\_5290



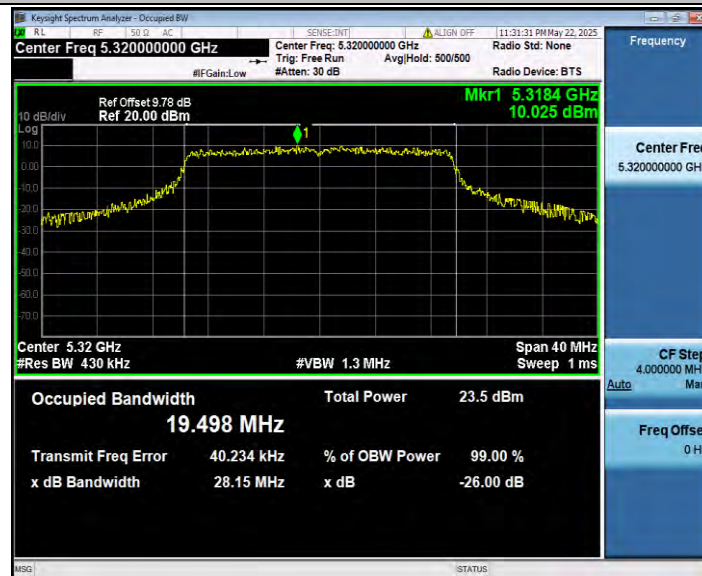
11AX20SISO\_Ant1\_5260



## 11AX20SISO\_Ant1\_5280



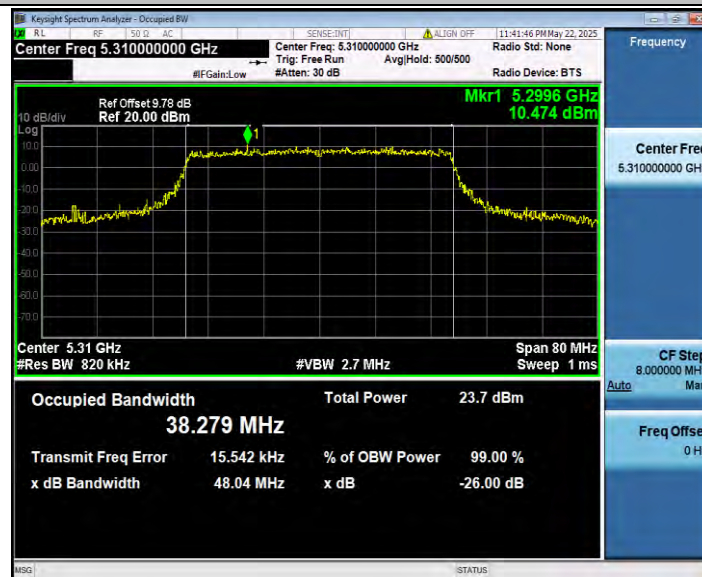
## 11AX20SISO\_Ant1\_5320



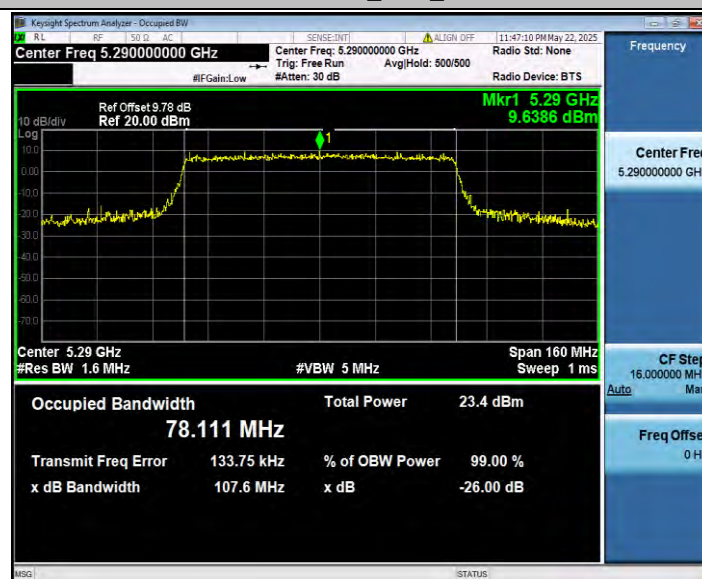
## 11AX40SISO\_Ant1\_5270



11AX40SISO\_Ant1\_5310



11AX80SISO\_Ant1\_5290



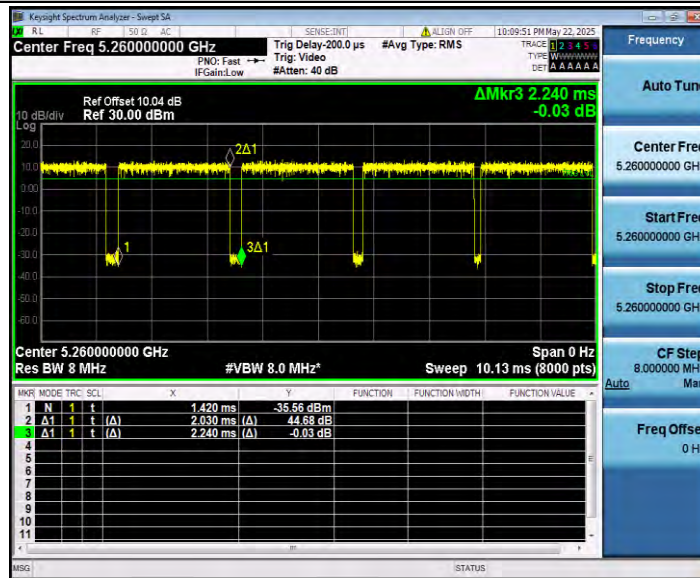
## Appendix E.3: Duty Cycle

### Test Result

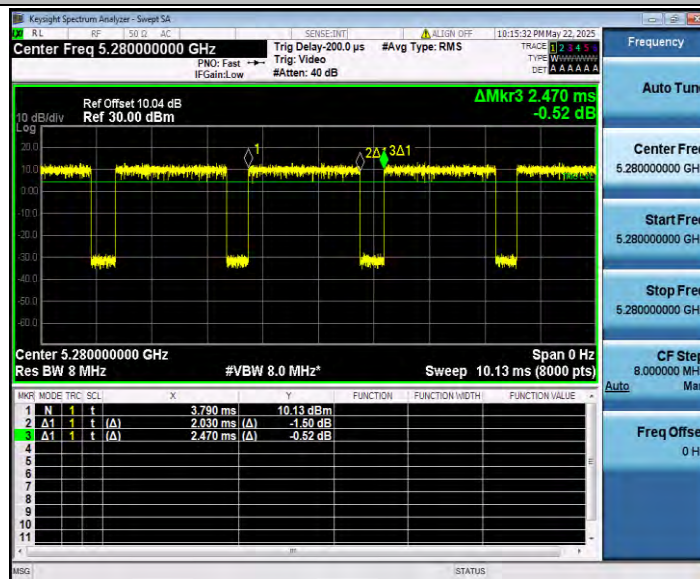
| TestMode   | Antenna | Freq(MHz) | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Duty Cycle Factor[dB] | 1/T Factor[KHz] |
|------------|---------|-----------|----------------------------|--------------------------|----------------|-----------------------|-----------------|
| 11A        | Ant1    | 5260      | 2.03                       | 2.24                     | 90.63          | 0.43                  | 0.49            |
|            |         | 5280      | 2.03                       | 2.47                     | 82.19          | 0.85                  | 0.49            |
|            |         | 5320      | 2.04                       | 2.25                     | 90.67          | 0.43                  | 0.49            |
| 11N20SISO  | Ant1    | 5260      | 1.89                       | 2.01                     | 94.03          | 0.27                  | 0.53            |
|            |         | 5280      | 1.90                       | 2.11                     | 90.05          | 0.46                  | 0.53            |
|            |         | 5320      | 1.89                       | 2.33                     | 81.12          | 0.91                  | 0.53            |
| 11N40SISO  | Ant1    | 5270      | 0.93                       | 1.10                     | 84.55          | 0.73                  | 1.08            |
|            |         | 5310      | 0.94                       | 1.37                     | 68.61          | 1.64                  | 1.06            |
| 11AC20SISO | Ant1    | 5260      | 1.90                       | 2.33                     | 81.55          | 0.89                  | 0.53            |
|            |         | 5280      | 1.90                       | 2.11                     | 90.05          | 0.46                  | 0.53            |
|            |         | 5320      | 1.90                       | 2.14                     | 88.79          | 0.52                  | 0.53            |
| 11AC40SISO | Ant1    | 5270      | 0.93                       | 1.16                     | 80.17          | 0.96                  | 1.08            |
|            |         | 5310      | 0.94                       | 1.36                     | 69.12          | 1.60                  | 1.06            |
| 11AC80SISO | Ant1    | 5290      | 0.46                       | 0.69                     | 66.67          | 1.76                  | 2.17            |
| 11AX20SISO | Ant1    | 5260      | 1.46                       | 1.93                     | 75.65          | 1.21                  | 0.68            |
|            |         | 5280      | 1.46                       | 1.89                     | 77.25          | 1.12                  | 0.68            |
|            |         | 5320      | 1.47                       | 1.69                     | 86.98          | 0.61                  | 0.68            |
| 11AX40SISO | Ant1    | 5270      | 0.76                       | 1.20                     | 63.33          | 1.98                  | 1.32            |
|            |         | 5310      | 0.76                       | 0.94                     | 80.85          | 0.92                  | 1.32            |
| 11AX80SISO | Ant1    | 5290      | 0.40                       | 0.62                     | 64.52          | 1.90                  | 2.50            |

## Test Graphs

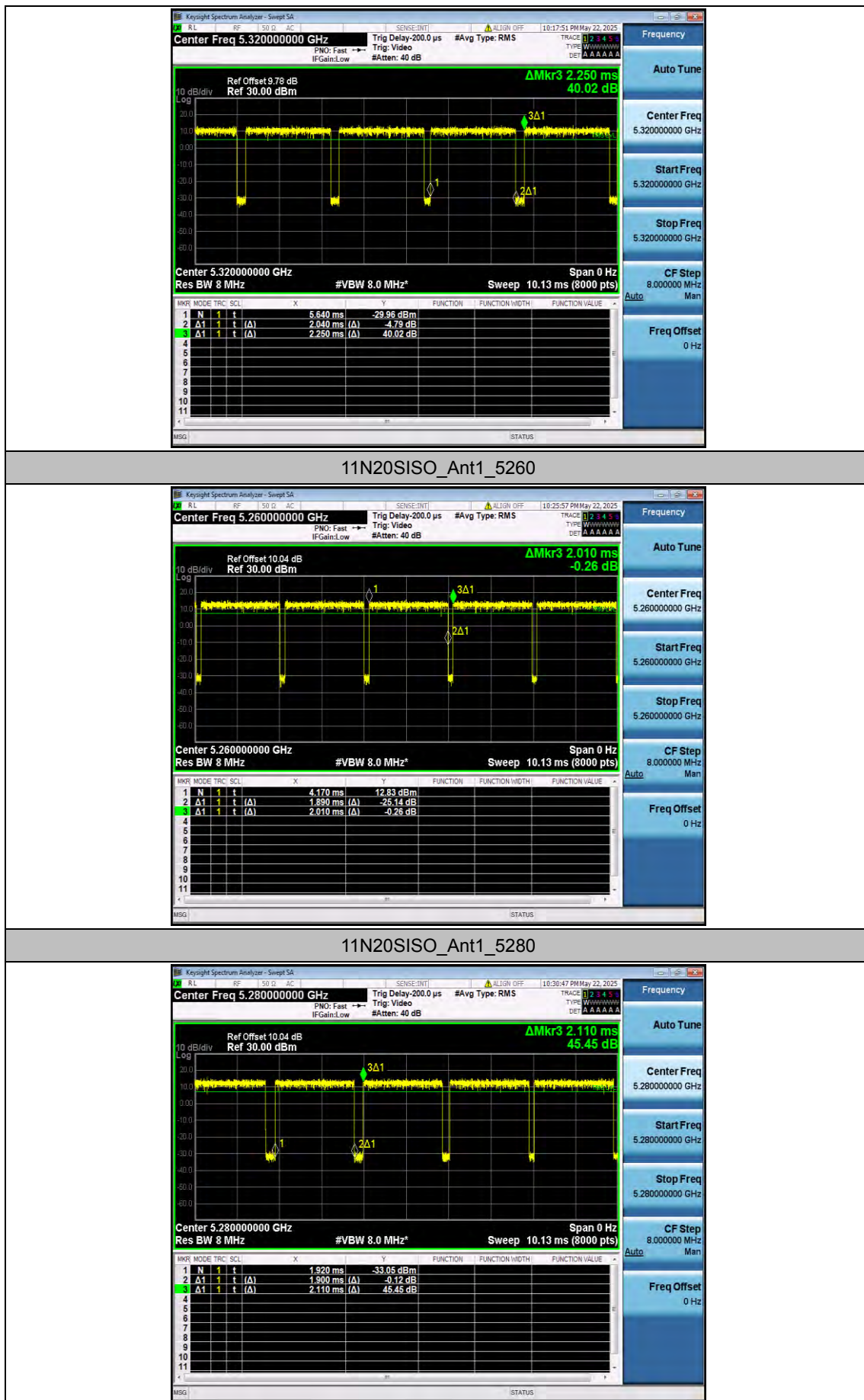
11A\_Ant1\_5260



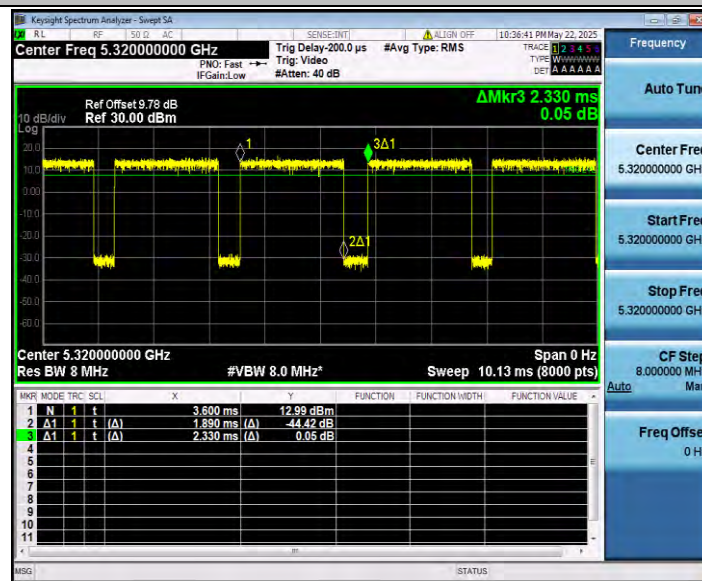
11A\_Ant1\_5280



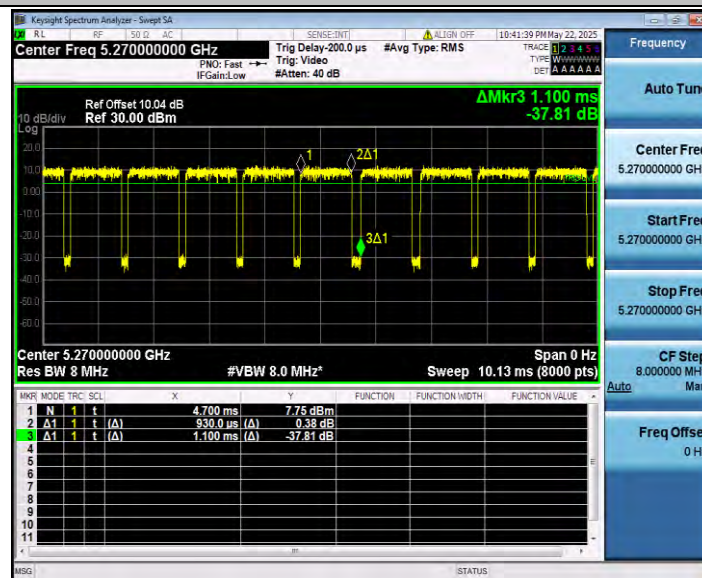
11A\_Ant1\_5320



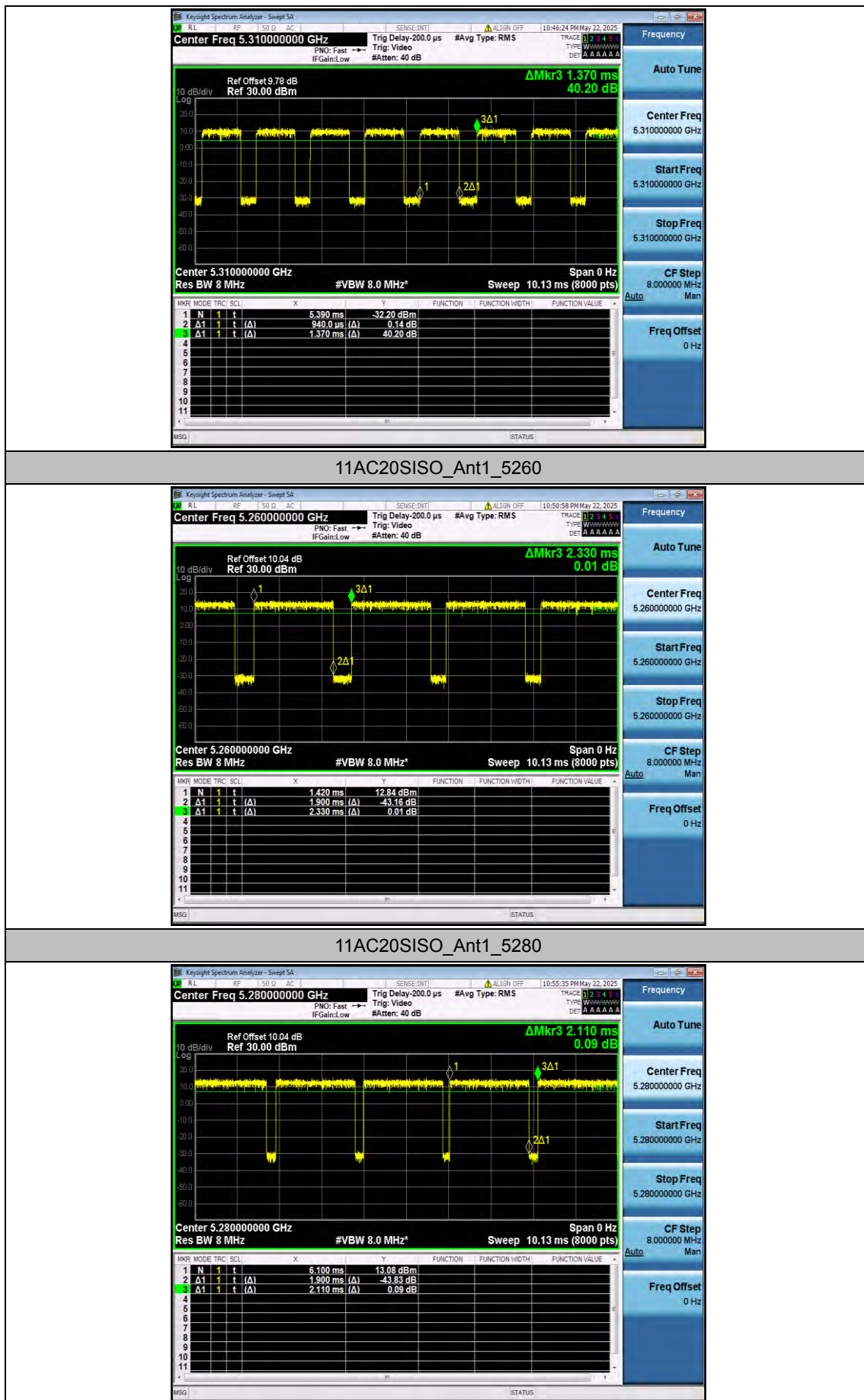
## 11N20SISO\_Ant1\_5320

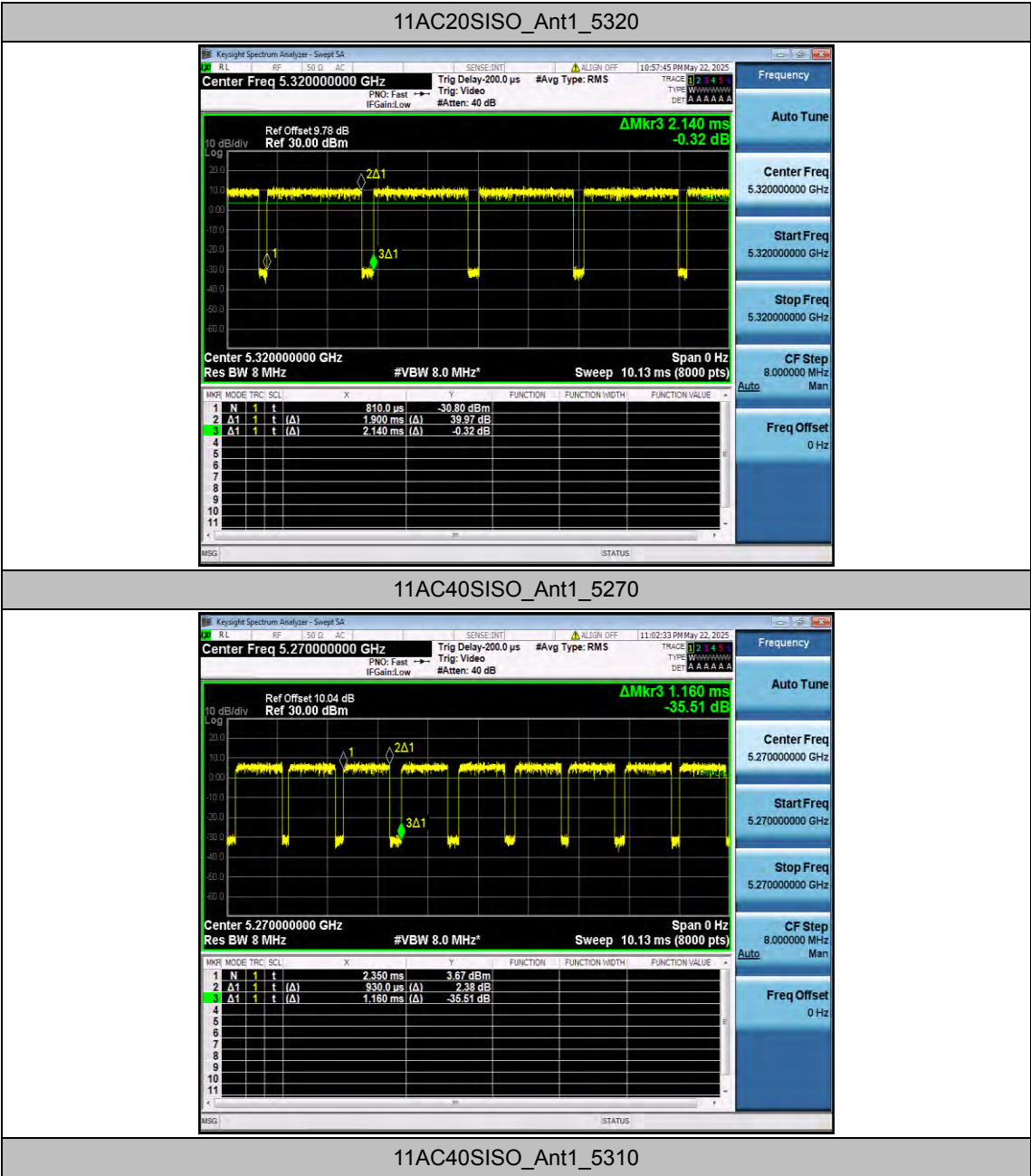


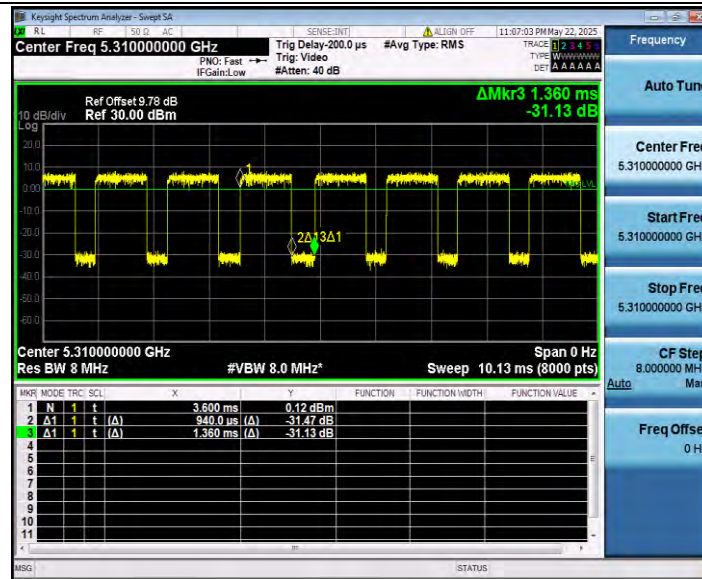
## 11N40SISO\_Ant1\_5270



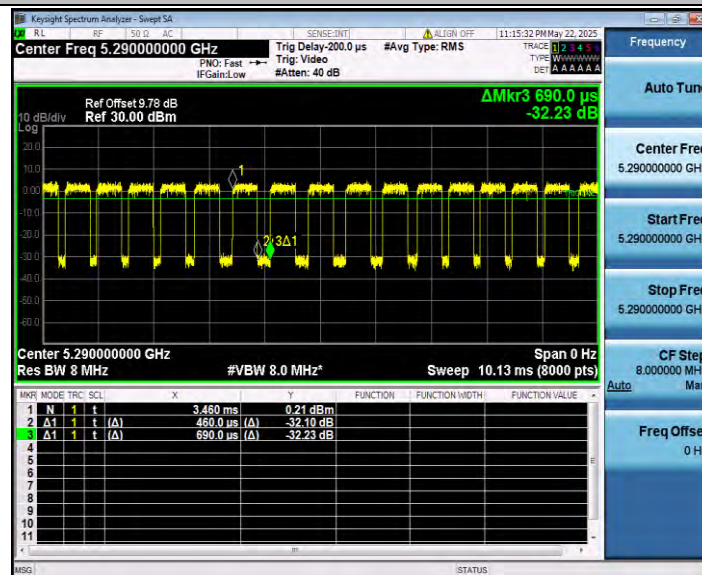
## 11N40SISO\_Ant1\_5310



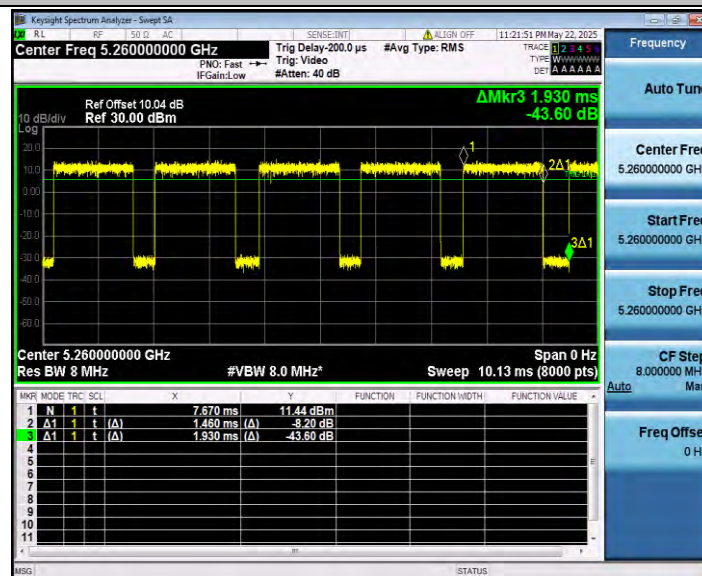




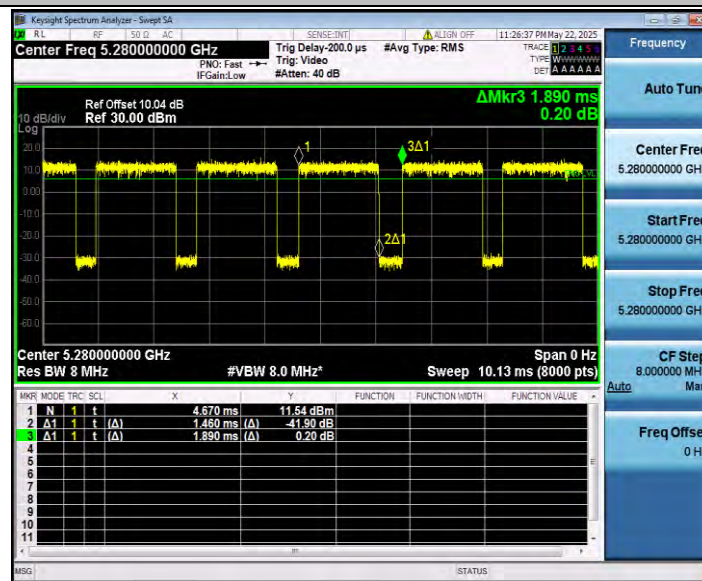
11AC80SISO\_Ant1\_5290



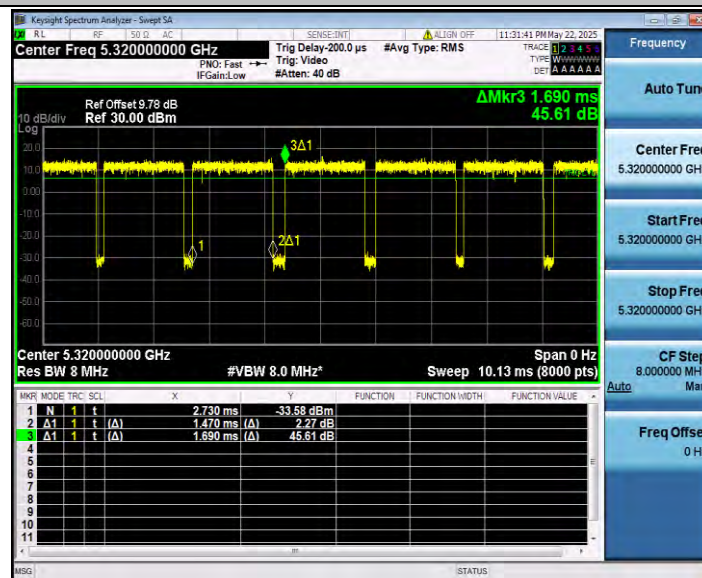
11AX20SISO\_Ant1\_5260



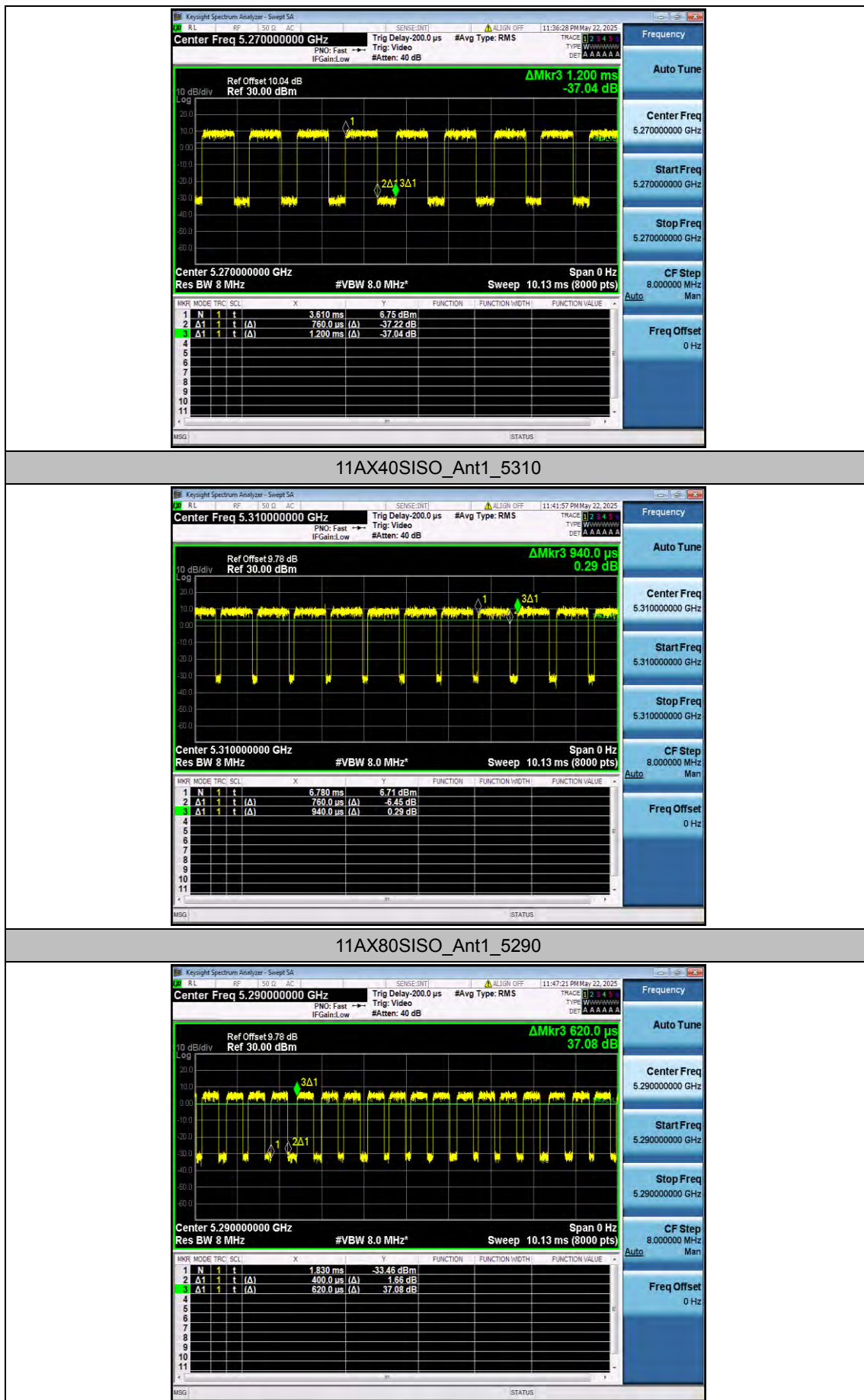
## 11AX20SISO\_Ant1\_5280



## 11AX20SISO\_Ant1\_5320



## 11AX40SISO\_Ant1\_5270



## Appendix E.4: Maximum conducted output power

### Test Result Channel Power

| Test Mode  | Antenna | Freq(MHz) | Channel Power [dBm] | Duty Cycle [%] | DC Factor [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|------------|---------|-----------|---------------------|----------------|-----------------|--------------|-------------|---------|
| 11A        | Ant1    | 5260      | 12.80               | 90.63          | 0.43            | 13.23        | ≤23.98      | PASS    |
|            |         | 5280      | 12.43               | 82.19          | 0.85            | 13.28        | ≤23.98      | PASS    |
|            |         | 5320      | 13.04               | 90.67          | 0.43            | 13.47        | ≤23.98      | PASS    |
| 11N20SISO  | Ant1    | 5260      | 15.21               | 94.03          | 0.27            | 15.48        | ≤23.98      | PASS    |
|            |         | 5280      | 15.41               | 90.05          | 0.46            | 15.87        | ≤23.98      | PASS    |
|            |         | 5320      | 15.80               | 81.12          | 0.91            | 16.71        | ≤23.98      | PASS    |
| 11N40SISO  | Ant1    | 5270      | 15.16               | 84.55          | 0.73            | 15.89        | ≤23.98      | PASS    |
|            |         | 5310      | 14.53               | 68.61          | 1.64            | 16.17        | ≤23.98      | PASS    |
| 11AC20SISO | Ant1    | 5260      | 15.33               | 81.55          | 0.89            | 16.22        | ≤23.98      | PASS    |
|            |         | 5280      | 15.49               | 90.05          | 0.46            | 15.95        | ≤23.98      | PASS    |
|            |         | 5320      | 12.04               | 88.79          | 0.52            | 12.56        | ≤23.98      | PASS    |
| 11AC40SISO | Ant1    | 5270      | 10.86               | 80.17          | 0.96            | 11.82        | ≤23.98      | PASS    |
|            |         | 5310      | 10.83               | 69.12          | 1.60            | 12.43        | ≤23.98      | PASS    |
| 11AC80SISO | Ant1    | 5290      | 9.68                | 66.67          | 1.76            | 11.44        | ≤23.98      | PASS    |
| 11AX20SISO | Ant1    | 5260      | 13.51               | 75.65          | 1.21            | 14.72        | ≤23.98      | PASS    |
|            |         | 5280      | 14.32               | 77.25          | 1.12            | 15.44        | ≤23.98      | PASS    |
|            |         | 5320      | 14.33               | 86.98          | 0.61            | 14.94        | ≤23.98      | PASS    |
| 11AX40SISO | Ant1    | 5270      | 13.87               | 63.33          | 1.98            | 15.85        | ≤23.98      | PASS    |
|            |         | 5310      | 14.05               | 80.85          | 0.92            | 14.97        | ≤23.98      | PASS    |
| 11AX80SISO | Ant1    | 5290      | 12.92               | 64.52          | 1.90            | 14.82        | ≤23.98      | PASS    |

## Appendix E.5: Maximum power spectral density

### Test Result

| TestMode   | Antenna | Freq(MHz) | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|-----------|------------------|----------------|---------|
| 11A        | Ant1    | 5260      | 2.25             | ≤11.00         | PASS    |
|            |         | 5280      | 2.29             | ≤11.00         | PASS    |
|            |         | 5320      | 2.47             | ≤11.00         | PASS    |
| 11N20SISO  | Ant1    | 5260      | 4.63             | ≤11.00         | PASS    |
|            |         | 5280      | 4.52             | ≤11.00         | PASS    |
|            |         | 5320      | 5.53             | ≤11.00         | PASS    |
| 11N40SISO  | Ant1    | 5270      | 1.54             | ≤11.00         | PASS    |
|            |         | 5310      | 2.74             | ≤11.00         | PASS    |
| 11AC20SISO | Ant1    | 5260      | 5.23             | ≤11.00         | PASS    |
|            |         | 5280      | 4.64             | ≤11.00         | PASS    |
|            |         | 5320      | 1.31             | ≤11.00         | PASS    |
| 11AC40SISO | Ant1    | 5270      | -2.04            | ≤11.00         | PASS    |
|            |         | 5310      | -1.74            | ≤11.00         | PASS    |
| 11AC80SISO | Ant1    | 5290      | -5.25            | ≤11.00         | PASS    |
| 11AX20SISO | Ant1    | 5260      | 4.01             | ≤11.00         | PASS    |
|            |         | 5280      | 4.09             | ≤11.00         | PASS    |
|            |         | 5320      | 4.17             | ≤11.00         | PASS    |
| 11AX40SISO | Ant1    | 5270      | 1.53             | ≤11.00         | PASS    |
|            |         | 5310      | -0.40            | ≤11.00         | PASS    |
| 11AX80SISO | Ant1    | 5290      | -3.52            | ≤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

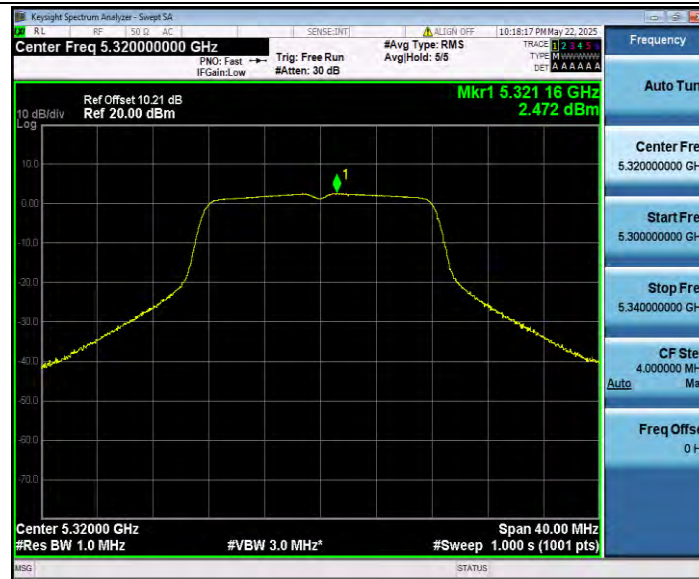
11A\_Ant1\_5260



11A\_Ant1\_5280



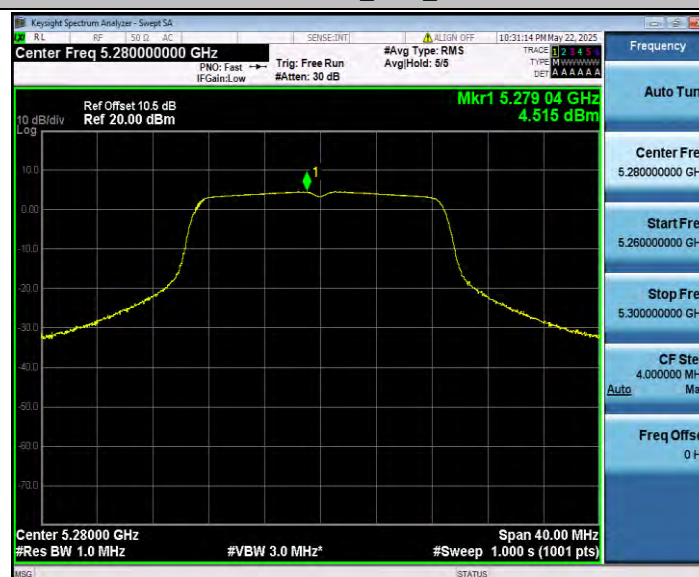
11A\_Ant1\_5320



11N20SISO\_Ant1\_5260



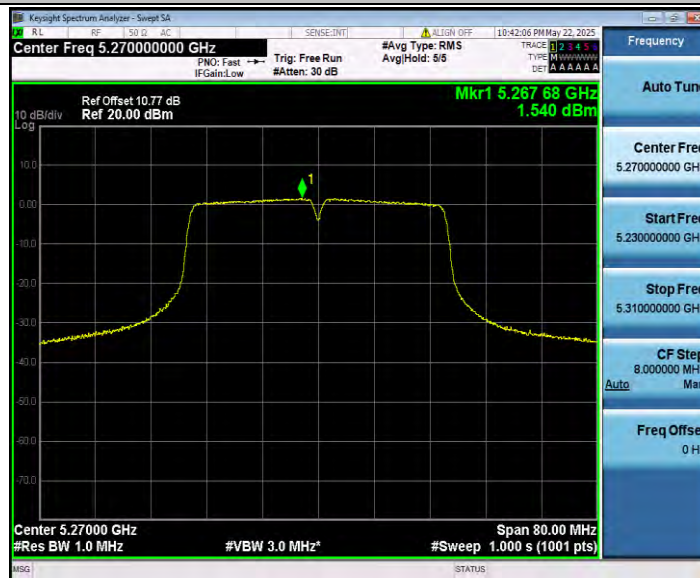
11N20SISO\_Ant1\_5280



## 11N20SISO\_Ant1\_5320



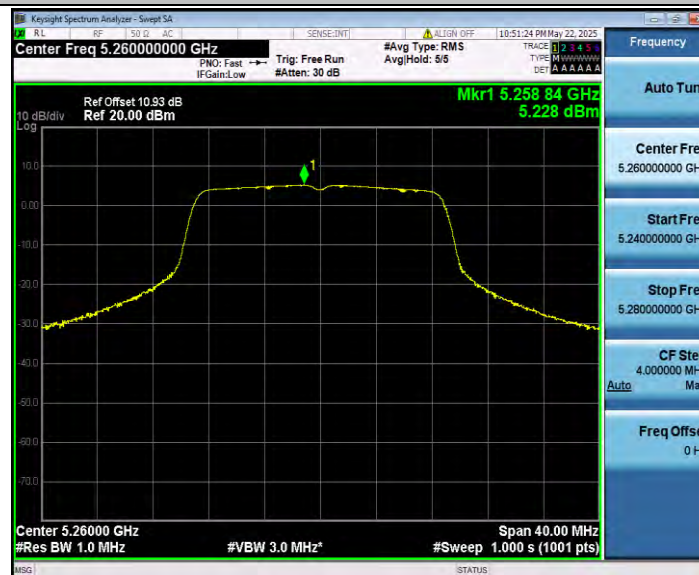
## 11N40SISO\_Ant1\_5270



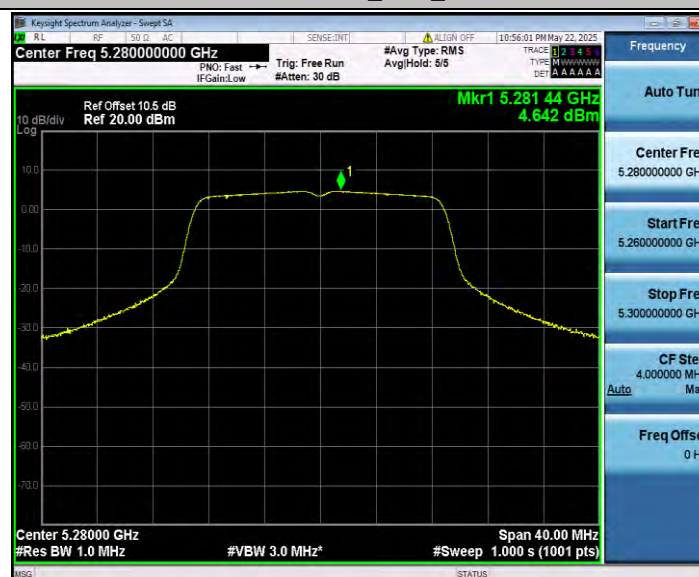
## 11N40SISO\_Ant1\_5310



11AC20SISO\_Ant1\_5260



11AC20SISO\_Ant1\_5280



## 11AC20SISO\_Ant1\_5320



## 11AC40SISO\_Ant1\_5270



## 11AC40SISO\_Ant1\_5310



11AC80SISO\_Ant1\_5290



11AX20SISO\_Ant1\_5260



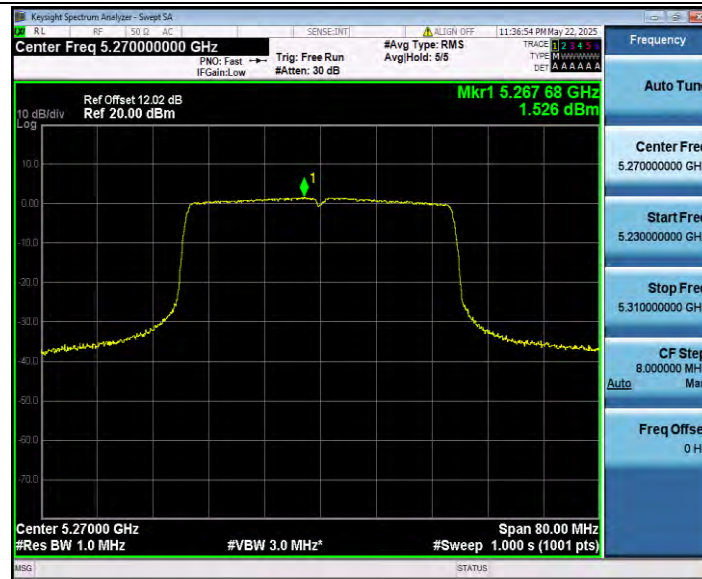
## 11AX20SISO\_Ant1\_5280



## 11AX20SISO\_Ant1\_5320



## 11AX40SISO\_Ant1\_5270



11AX40SISO\_Ant1\_5310



11AX80SISO\_Ant1\_5290

