

|                                                       |                                          |
|-------------------------------------------------------|------------------------------------------|
| <b>Case No. :</b> <u>GTS20250326027-1-04</u>          |                                          |
| <b>Ambient Condition:</b> <u>22</u> °C, <u>51</u> %RH |                                          |
| <b>According Standard:</b> ■Part15E                   |                                          |
| <b>Test Date:</b> <u>2025.6.10</u>                    | <b>Test Engineer:</b> <u>Evan ouyang</u> |

## Appendix D.1: Emission Bandwidth

### Test Result

| TestMode   | Antenna | Freq(MHz) | 26db EBW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|-----------|-------------------|----------|----------|------------|---------|
| 11A        | Ant1    | 5180      | 24.640            | 5167.560 | 5192.200 | ---        | ---     |
|            |         | 5200      | 25.400            | 5187.400 | 5212.800 | ---        | ---     |
|            |         | 5240      | 24.720            | 5226.960 | 5251.680 | ---        | ---     |
| 11N20SISO  | Ant1    | 5180      | 25.520            | 5167.440 | 5192.960 | ---        | ---     |
|            |         | 5200      | 25.360            | 5186.720 | 5212.080 | ---        | ---     |
|            |         | 5240      | 26.600            | 5227.120 | 5253.720 | ---        | ---     |
| 11N40SISO  | Ant1    | 5190      | 45.760            | 5166.880 | 5212.640 | ---        | ---     |
|            |         | 5230      | 46.160            | 5206.800 | 5252.960 | ---        | ---     |
| 11AC20SISO | Ant1    | 5180      | 26.320            | 5166.160 | 5192.480 | ---        | ---     |
|            |         | 5200      | 26.640            | 5187.000 | 5213.640 | ---        | ---     |
|            |         | 5240      | 25.960            | 5227.120 | 5253.080 | ---        | ---     |
| 11AC40SISO | Ant1    | 5190      | 46.000            | 5167.040 | 5213.040 | ---        | ---     |
|            |         | 5230      | 46.160            | 5206.400 | 5252.560 | ---        | ---     |
| 11AX20SISO | Ant1    | 5180      | 25.280            | 5167.560 | 5192.840 | ---        | ---     |
|            |         | 5200      | 26.000            | 5187.400 | 5213.400 | ---        | ---     |
|            |         | 5240      | 24.560            | 5227.520 | 5252.080 | ---        | ---     |
| 11AX40SISO | Ant1    | 5190      | 45.760            | 5167.600 | 5213.360 | ---        | ---     |
|            |         | 5230      | 45.600            | 5207.520 | 5253.120 | ---        | ---     |

Test Graphs



11A\_Ant1\_5200

Frequency

Auto Tune

Center Freq  
5.20000000 GHzStart Freq  
5.180000000 GHzStop Freq  
5.220000000 GHzCF Step  
4.000000 MHz  
Auto ManFreq Offset  
0 Hz

11A\_Ant1\_5240



11N20SISO\_Ant1\_5180



11N20SISO\_Ant1\_5200



## 11N20SISO\_Ant1\_5240



## 11N40SISO\_Ant1\_5190



## 11N40SISO\_Ant1\_5230



11AC20SISO\_Ant1\_5180



11AC20SISO\_Ant1\_5200



## 11AC20SISO\_Ant1\_5240



## 11AC40SISO\_Ant1\_5190



## 11AC40SISO\_Ant1\_5230



11AX20SISO\_Ant1\_5180



11AX20SISO\_Ant1\_5200



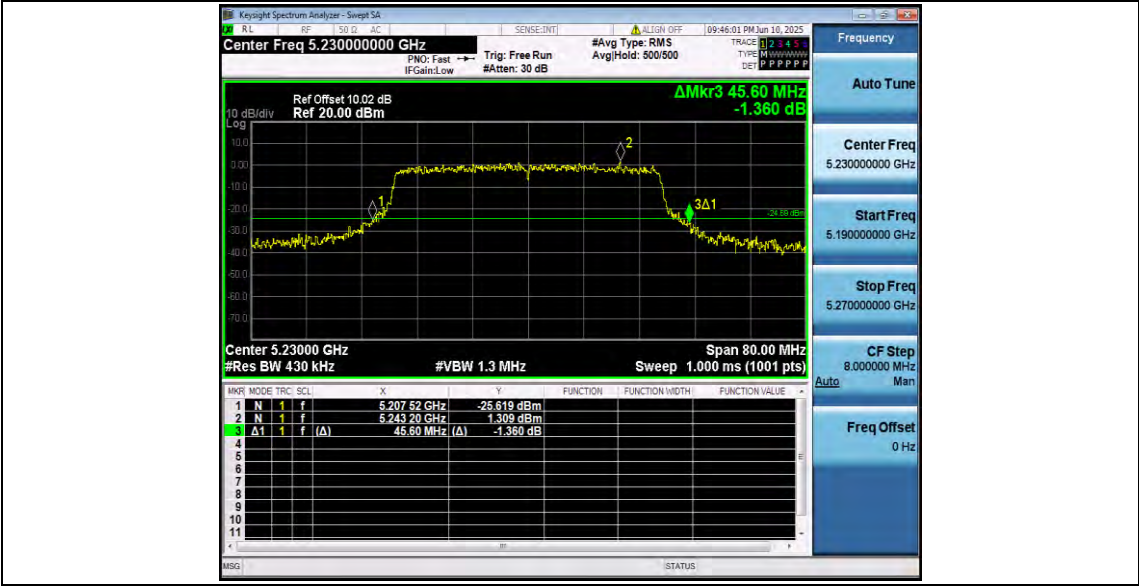
## 11AX20SISO\_Ant1\_5240



## 11AX40SISO\_Ant1\_5190



## 11AX40SISO\_Ant1\_5230

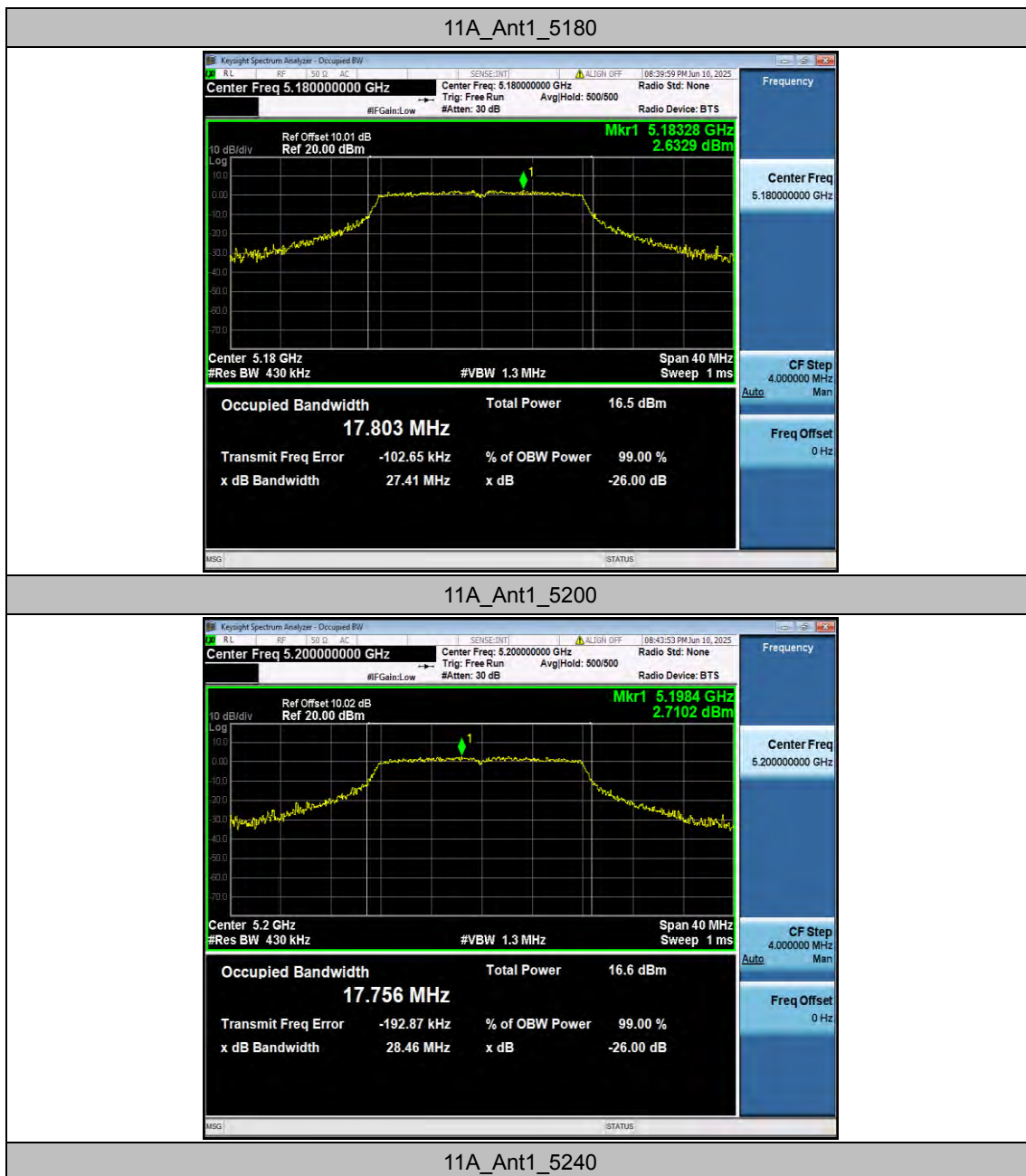


## Appendix D.2: Occupied channel bandwidth

### Test Result

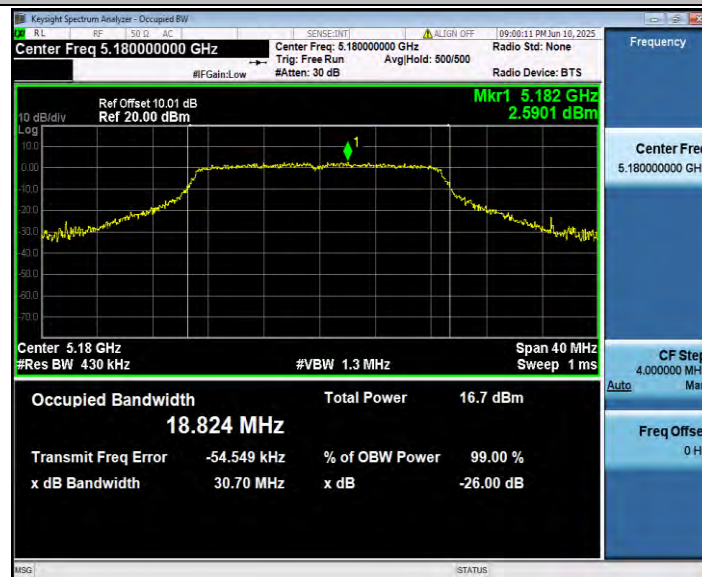
| TestMode   | Antenna | Freq(MHz) | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|------------|---------|-----------|-----------|-----------|-----------|------------|---------|
| 11A        | Ant1    | 5180      | 17.803    | 5170.9959 | 5188.7989 | ---        | ---     |
|            |         | 5200      | 17.756    | 5190.9291 | 5208.6851 | ---        | ---     |
|            |         | 5240      | 17.746    | 5230.9324 | 5248.6784 | ---        | ---     |
| 11N20SISO  | Ant1    | 5180      | 18.824    | 5170.5335 | 5189.3575 | ---        | ---     |
|            |         | 5200      | 18.774    | 5190.4980 | 5209.2720 | ---        | ---     |
|            |         | 5240      | 18.822    | 5230.4948 | 5249.3168 | ---        | ---     |
| 11N40SISO  | Ant1    | 5190      | 37.259    | 5171.2934 | 5208.5524 | ---        | ---     |
|            |         | 5230      | 37.364    | 5211.2114 | 5248.5754 | ---        | ---     |
| 11AC20SISO | Ant1    | 5180      | 18.793    | 5170.5350 | 5189.3280 | ---        | ---     |
|            |         | 5200      | 18.694    | 5190.5464 | 5209.2404 | ---        | ---     |
|            |         | 5240      | 18.870    | 5230.4223 | 5249.2923 | ---        | ---     |
| 11AC40SISO | Ant1    | 5190      | 37.272    | 5171.3124 | 5208.5844 | ---        | ---     |
|            |         | 5230      | 37.359    | 5211.2429 | 5248.6019 | ---        | ---     |
| 11AX20SISO | Ant1    | 5180      | 19.490    | 5170.2627 | 5189.7527 | ---        | ---     |
|            |         | 5200      | 19.554    | 5190.2092 | 5209.7632 | ---        | ---     |
|            |         | 5240      | 19.432    | 5230.2000 | 5249.6320 | ---        | ---     |
| 11AX40SISO | Ant1    | 5190      | 38.307    | 5170.8172 | 5209.1242 | ---        | ---     |
|            |         | 5230      | 38.273    | 5210.7501 | 5249.0231 | ---        | ---     |

## Test Graphs





11N20SISO\_Ant1\_5180



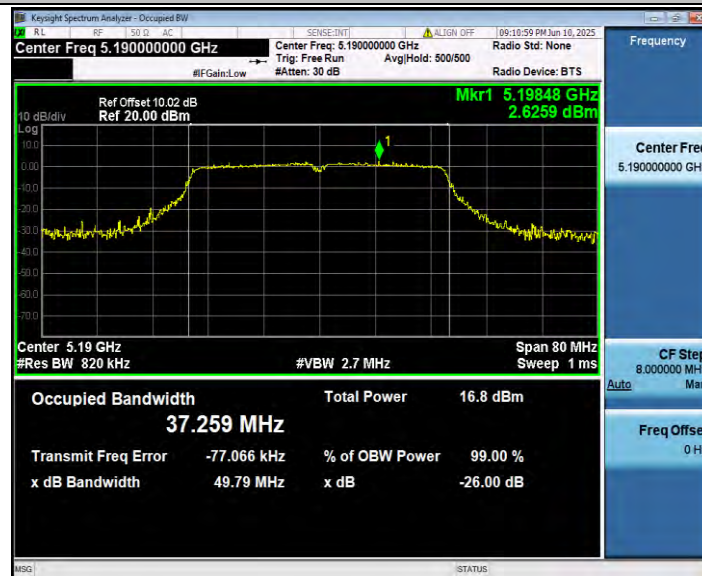
11N20SISO\_Ant1\_5200



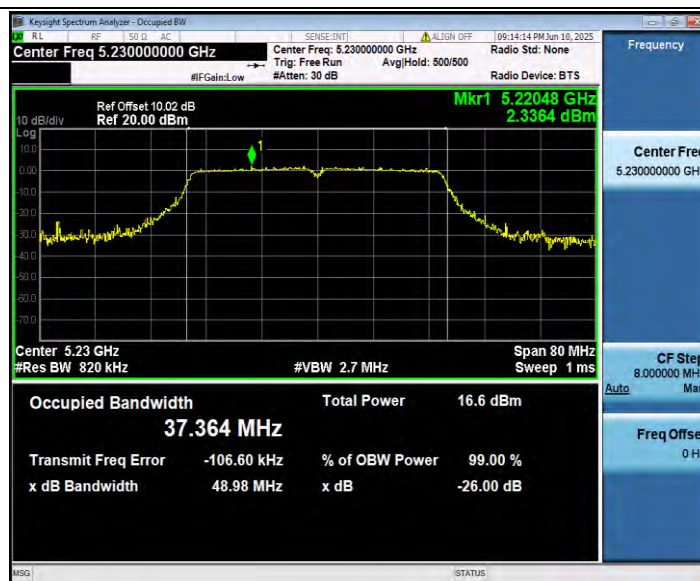
## 11N20SISO\_Ant1\_5240



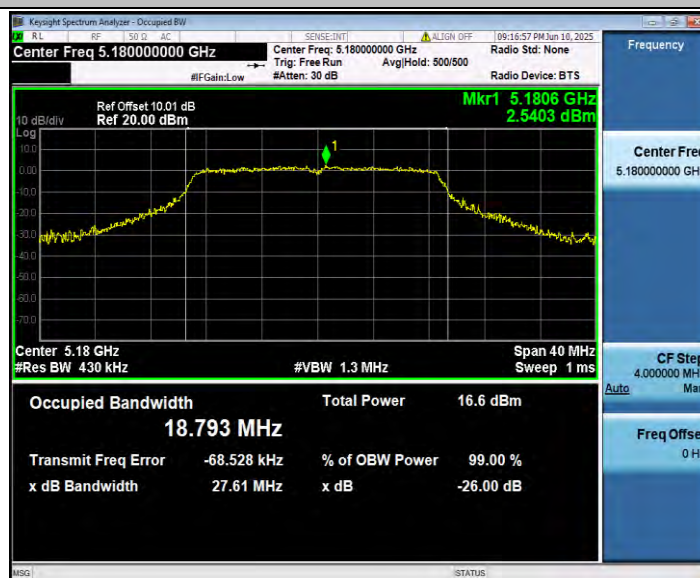
## 11N40SISO\_Ant1\_5190



## 11N40SISO\_Ant1\_5230



11AC20SISO\_Ant1\_5180



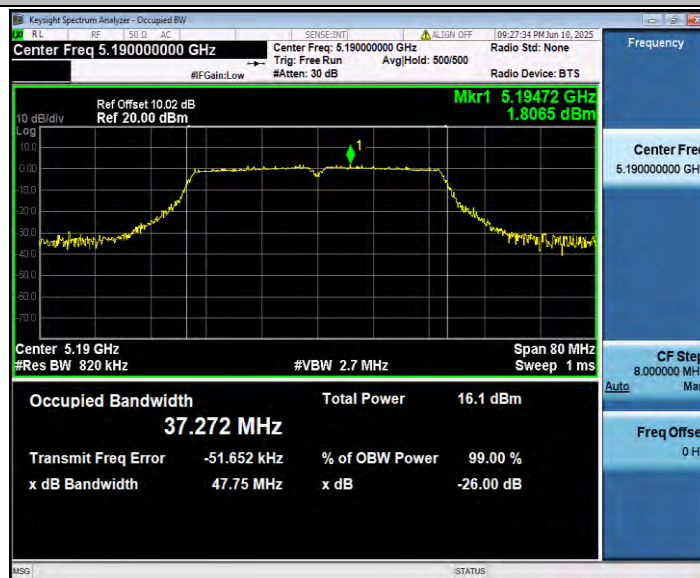
11AC20SISO\_Ant1\_5200



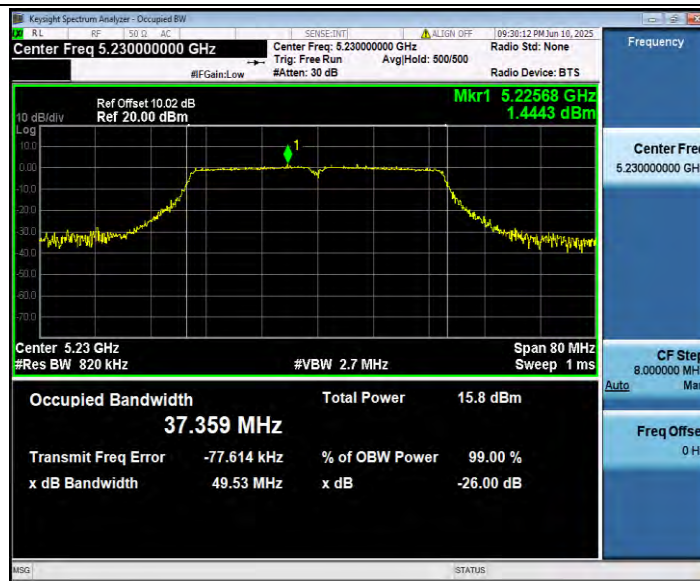
## 11AC20SISO\_Ant1\_5240



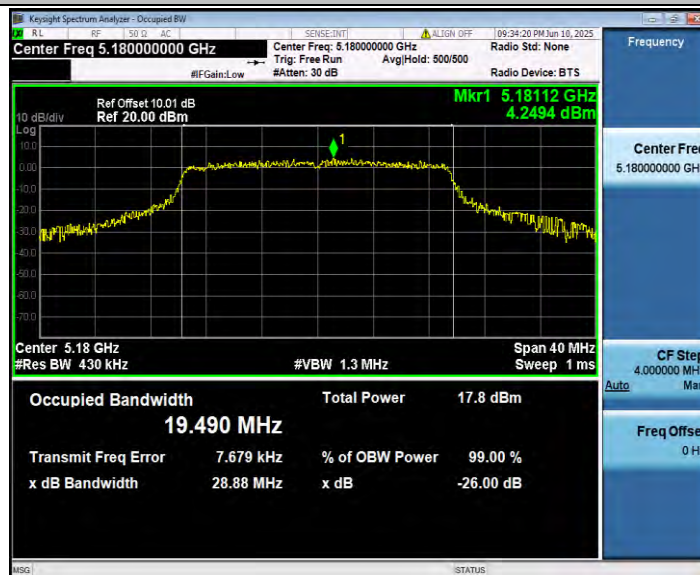
## 11AC40SISO\_Ant1\_5190



## 11AC40SISO\_Ant1\_5230



11AX20SISO\_Ant1\_5180



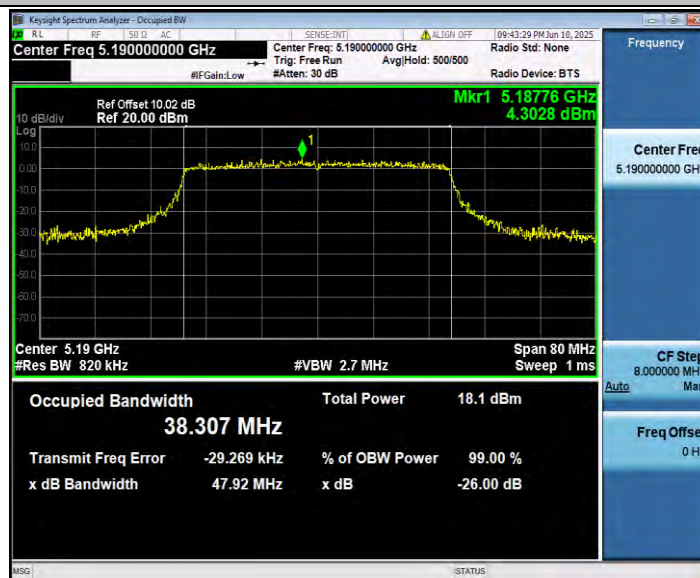
11AX20SISO\_Ant1\_5200



## 11AX20SISO\_Ant1\_5240



## 11AX40SISO\_Ant1\_5190



## 11AX40SISO\_Ant1\_5230

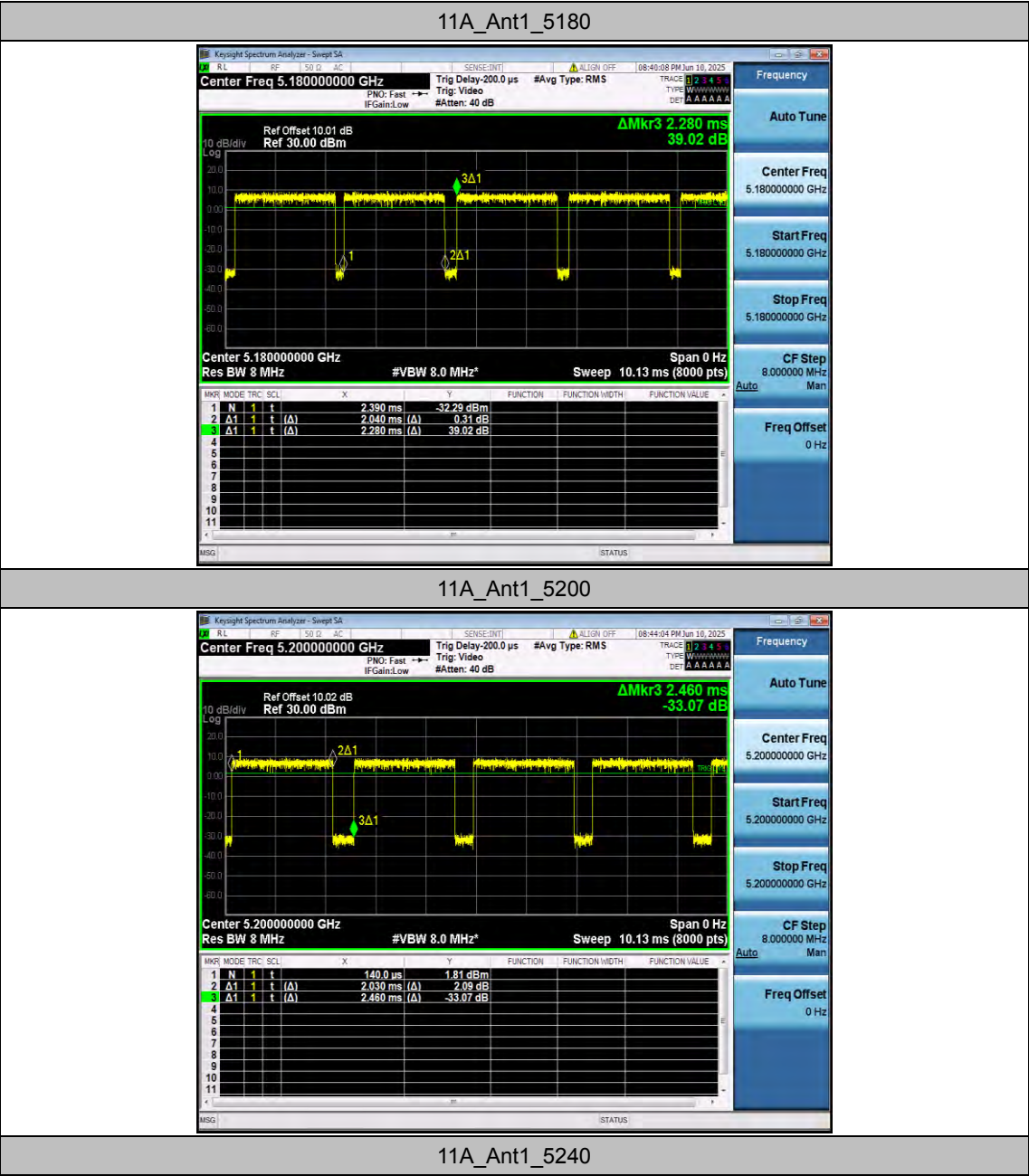


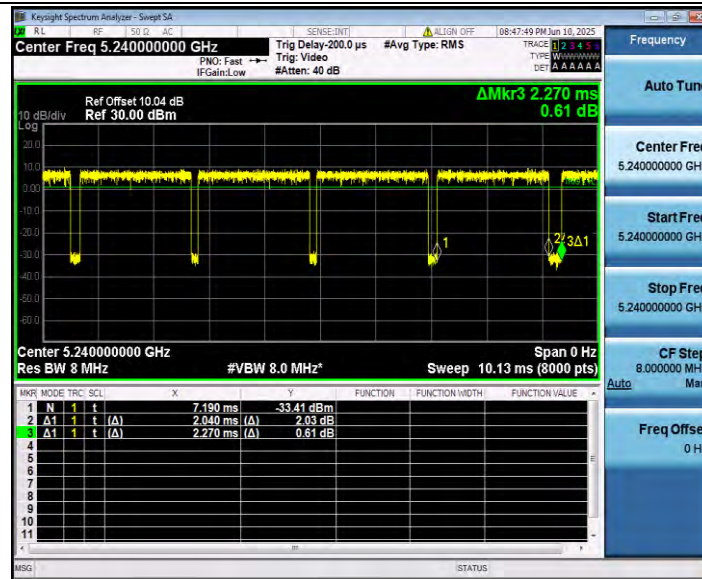
## Appendix D.3: Duty Cycle

### Test Result

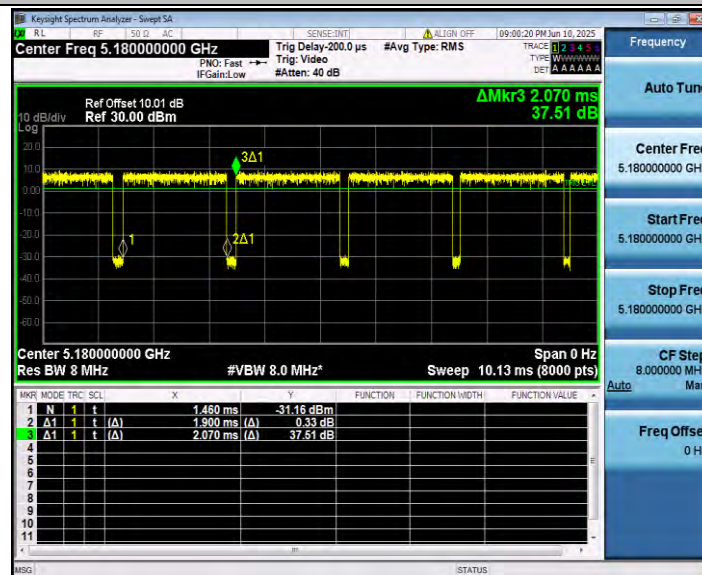
| TestMode   | Antenna | Freq(MHz) | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Duty Cycle Factor[dB] | 1/T Factor[KHz] |
|------------|---------|-----------|----------------------------|--------------------------|----------------|-----------------------|-----------------|
| 11A        | Ant1    | 5180      | 2.04                       | 2.28                     | 89.47          | 0.48                  | 0.49            |
|            |         | 5200      | 2.03                       | 2.46                     | 82.52          | 0.83                  | 0.49            |
|            |         | 5240      | 2.04                       | 2.27                     | 89.87          | 0.46                  | 0.49            |
| 11N20SISO  | Ant1    | 5180      | 1.90                       | 2.07                     | 91.79          | 0.37                  | 0.53            |
|            |         | 5200      | 1.89                       | 2.06                     | 91.75          | 0.37                  | 0.53            |
|            |         | 5240      | 1.90                       | 2.11                     | 90.05          | 0.46                  | 0.53            |
| 11N40SISO  | Ant1    | 5190      | 0.93                       | 1.15                     | 80.87          | 0.92                  | 1.08            |
|            |         | 5230      | 0.93                       | 1.11                     | 83.78          | 0.77                  | 1.08            |
| 11AC20SISO | Ant1    | 5180      | 1.90                       | 2.37                     | 80.17          | 0.96                  | 0.53            |
|            |         | 5200      | 1.90                       | 2.02                     | 94.06          | 0.27                  | 0.53            |
|            |         | 5240      | 1.90                       | 2.13                     | 89.20          | 0.50                  | 0.53            |
| 11AC40SISO | Ant1    | 5190      | 0.94                       | 1.11                     | 84.68          | 0.72                  | 1.06            |
|            |         | 5230      | 0.94                       | 1.37                     | 68.61          | 1.64                  | 1.06            |
| 11AX20SISO | Ant1    | 5180      | 1.46                       | 1.67                     | 87.43          | 0.58                  | 0.68            |
|            |         | 5200      | 1.47                       | 1.83                     | 80.33          | 0.95                  | 0.68            |
|            |         | 5240      | 1.46                       | 1.63                     | 89.57          | 0.48                  | 0.68            |
| 11AX40SISO | Ant1    | 5190      | 0.76                       | 1.00                     | 76.00          | 1.19                  | 1.32            |
|            |         | 5230      | 0.76                       | 0.93                     | 81.72          | 0.88                  | 1.32            |

Test Graphs

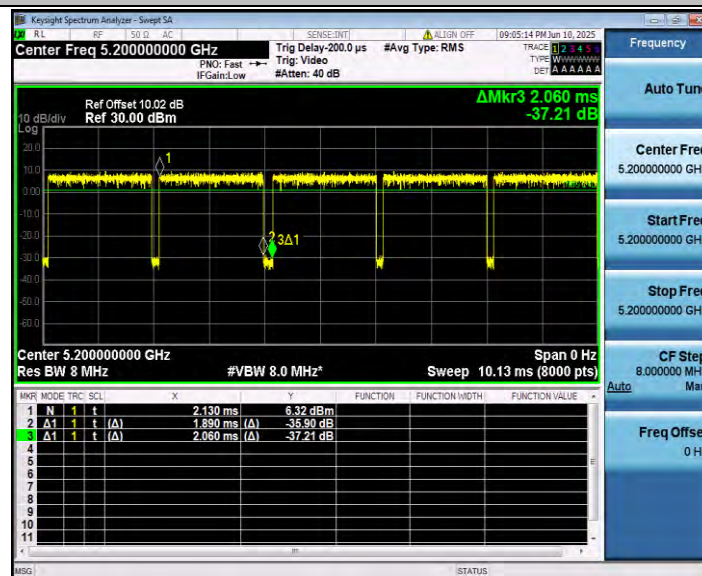




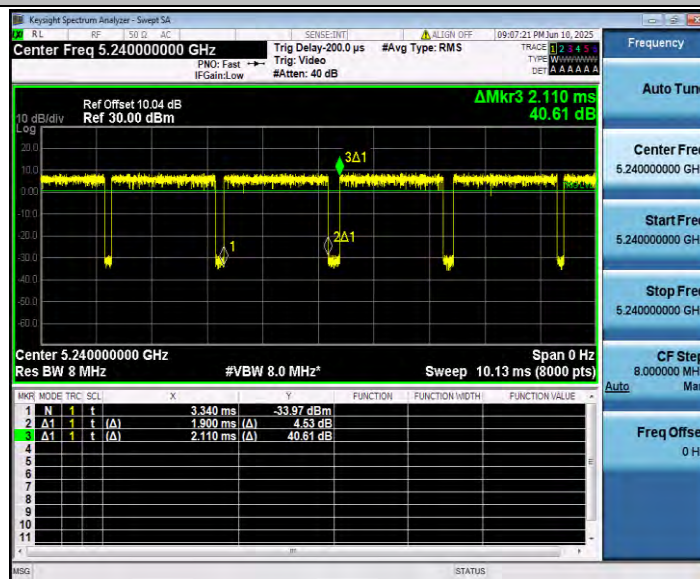
11N20SISO\_Ant1\_5180



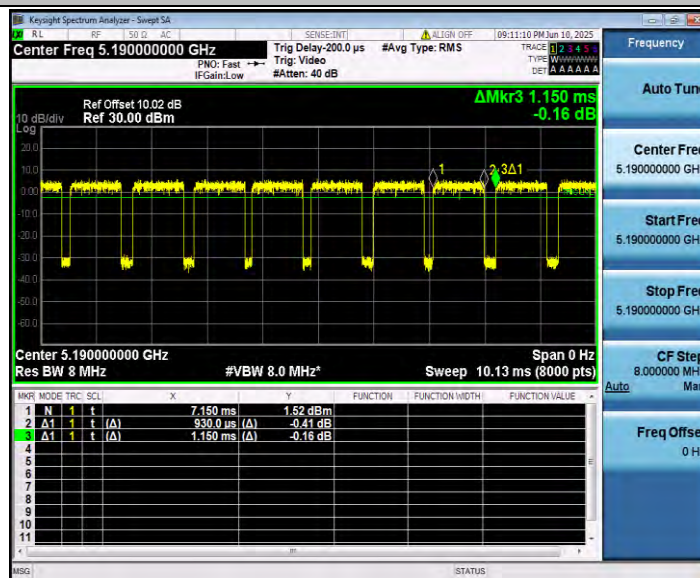
11N20SISO\_Ant1\_5200



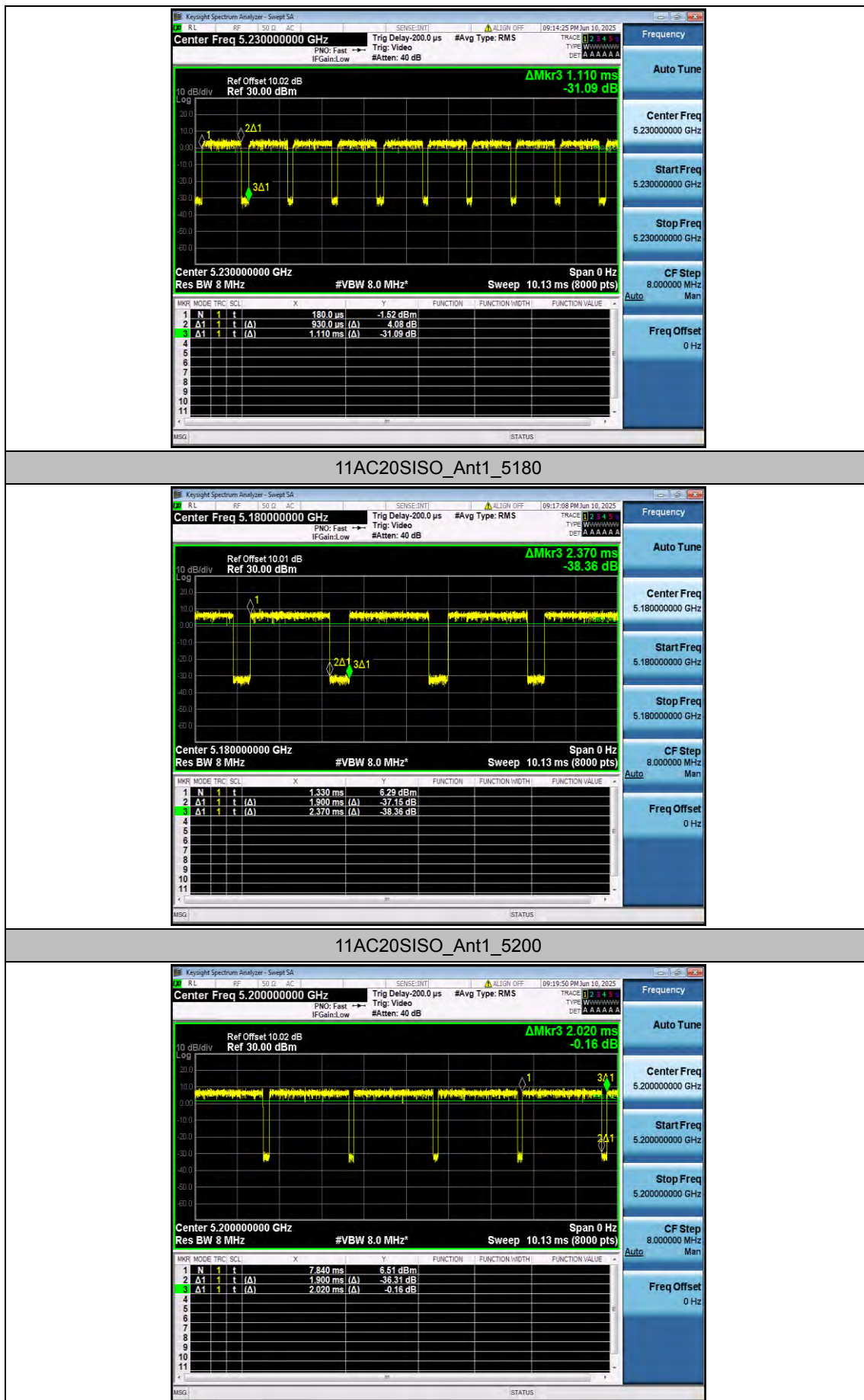
## 11N20SISO\_Ant1\_5240



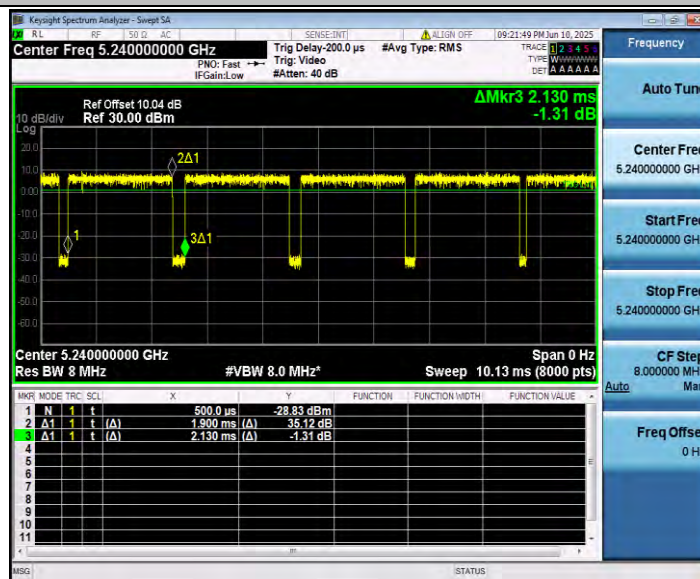
## 11N40SISO\_Ant1\_5190



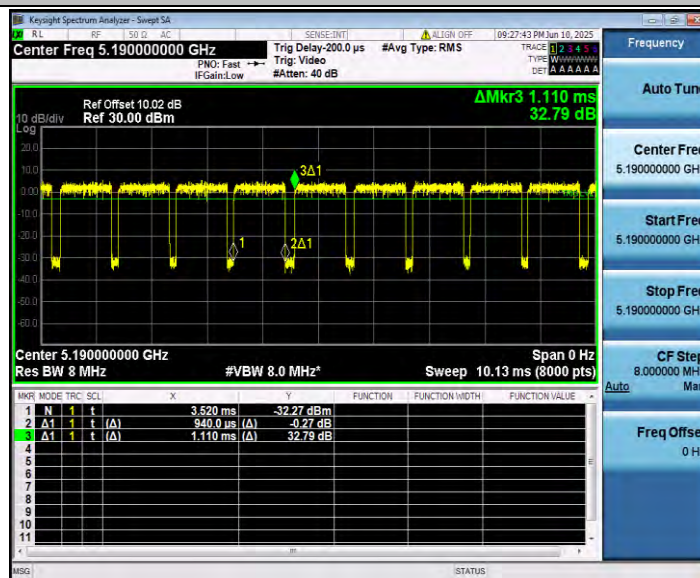
## 11N40SISO\_Ant1\_5230



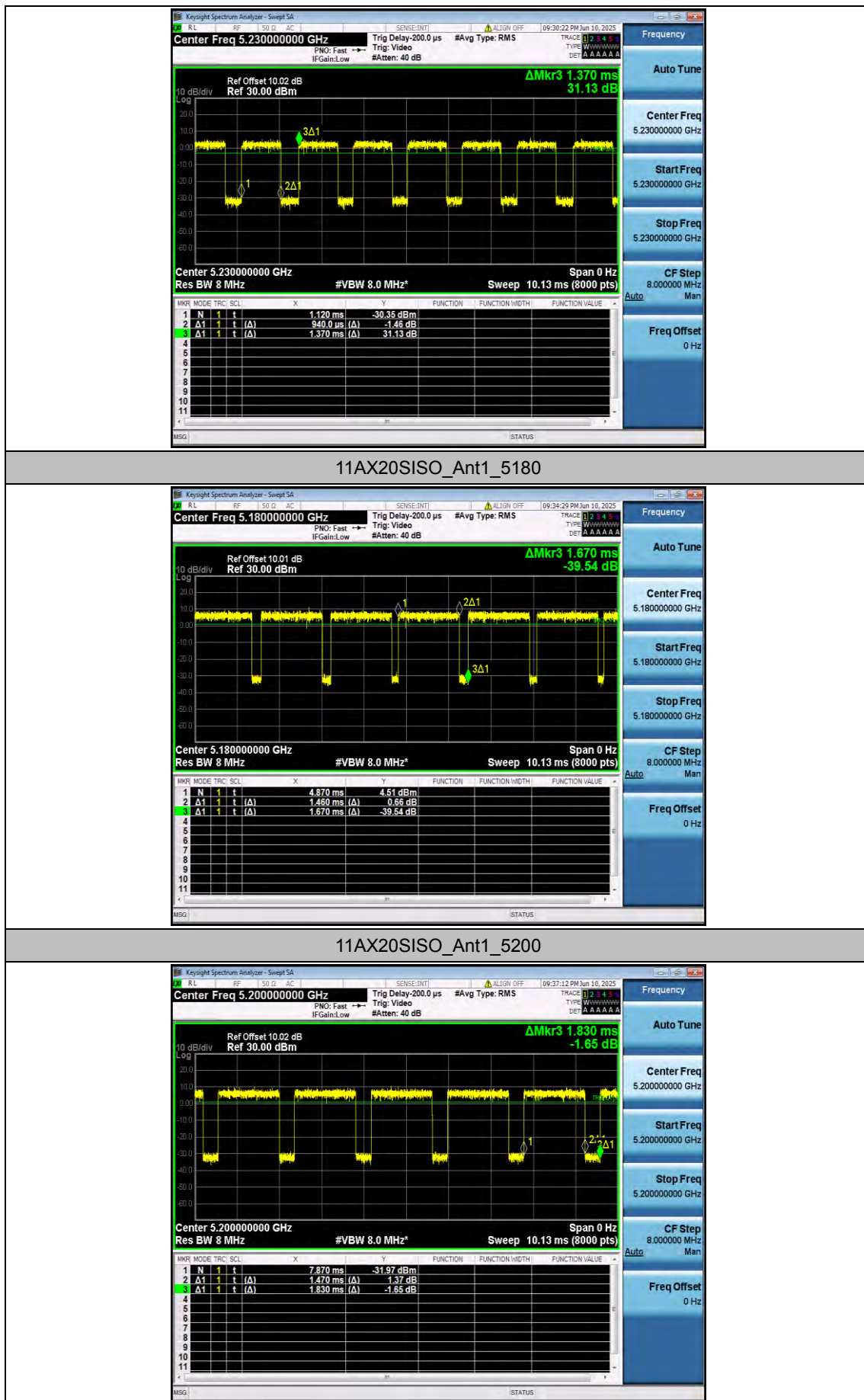
## 11AC20SISO\_Ant1\_5240

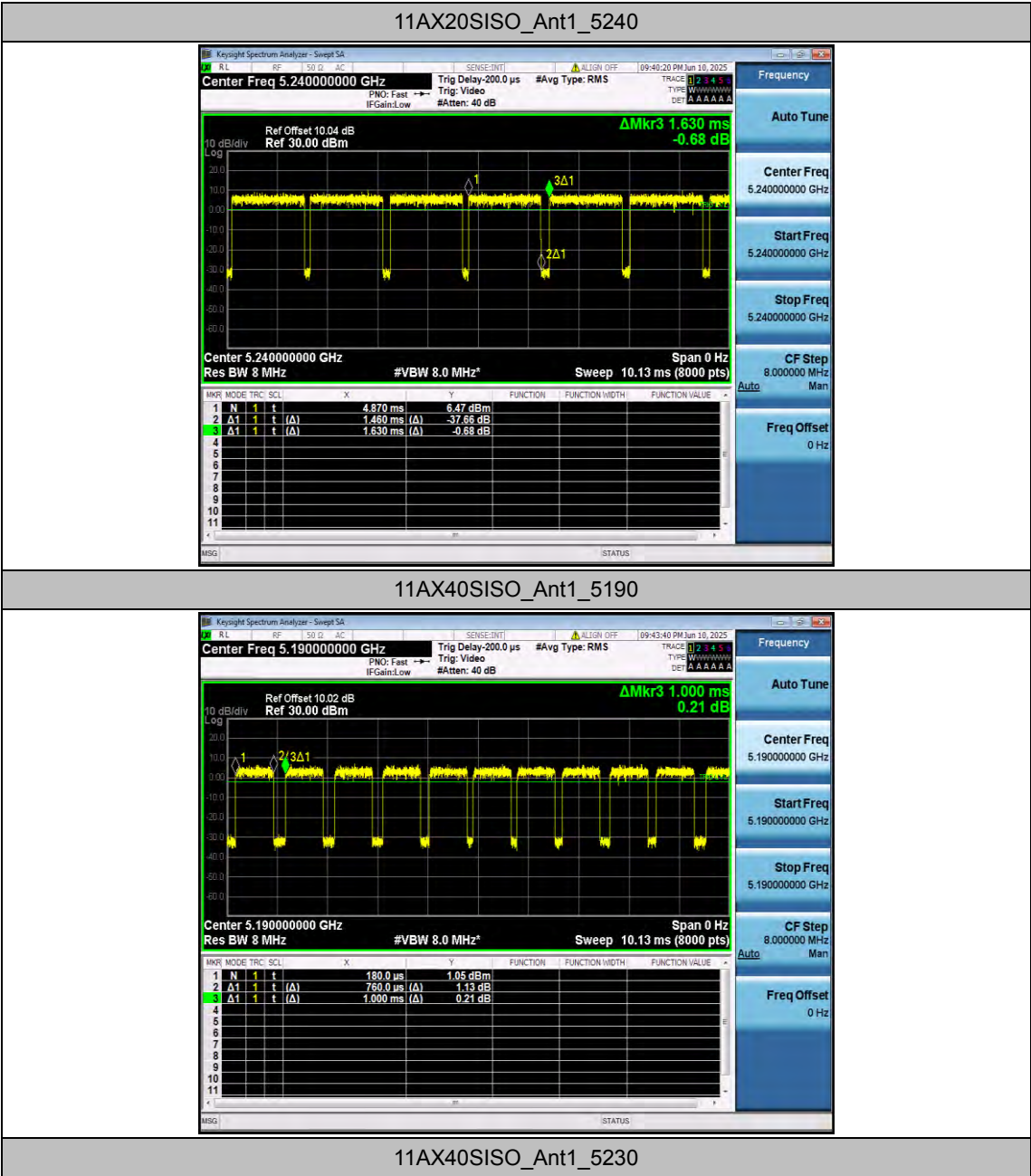


## 11AC40SISO\_Ant1\_5190



## 11AC40SISO\_Ant1\_5230







## Appendix D.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    | 5180      | 9.39                | 89.47          | 0.48            | 9.87         | ≤23.98      | PASS    |
|                |         | 5200      | 9.53                | 82.52          | 0.83            | 10.36        | ≤23.98      | PASS    |
|                |         | 5240      | 9.14                | 89.87          | 0.46            | 9.60         | ≤23.98      | PASS    |
| 11N20SIS<br>O  | Ant1    | 5180      | 9.47                | 91.79          | 0.37            | 9.84         | ≤23.98      | PASS    |
|                |         | 5200      | 9.50                | 91.75          | 0.37            | 9.87         | ≤23.98      | PASS    |
|                |         | 5240      | 8.97                | 90.05          | 0.46            | 9.43         | ≤23.98      | PASS    |
| 11N40SIS<br>O  | Ant1    | 5190      | 8.75                | 80.87          | 0.92            | 9.67         | ≤23.98      | PASS    |
|                |         | 5230      | 8.71                | 83.78          | 0.77            | 9.48         | ≤23.98      | PASS    |
| 11AC20SIS<br>O | Ant1    | 5180      | 9.43                | 80.17          | 0.96            | 10.39        | ≤23.98      | PASS    |
|                |         | 5200      | 9.55                | 94.06          | 0.27            | 9.82         | ≤23.98      | PASS    |
|                |         | 5240      | 8.99                | 89.20          | 0.50            | 9.49         | ≤23.98      | PASS    |
| 11AC40SIS<br>O | Ant1    | 5190      | 8.09                | 84.68          | 0.72            | 8.81         | ≤23.98      | PASS    |
|                |         | 5230      | 7.89                | 68.61          | 1.64            | 9.53         | ≤23.98      | PASS    |
| 11AX20SIS<br>O | Ant1    | 5180      | 8.97                | 87.43          | 0.58            | 9.55         | ≤23.98      | PASS    |
|                |         | 5200      | 9.15                | 80.33          | 0.95            | 10.10        | ≤23.98      | PASS    |
|                |         | 5240      | 8.85                | 89.57          | 0.48            | 9.33         | ≤23.98      | PASS    |
| 11AX40SIS<br>O | Ant1    | 5190      | 8.73                | 76.00          | 1.19            | 9.92         | ≤23.98      | PASS    |
|                |         | 5230      | 8.43                | 81.72          | 0.88            | 9.31         | ≤23.98      | PASS    |

## Appendix D.5: Maximum power spectral density

### Test Result

| TestMode   | Antenna | Freq(MHz) | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|-----------|------------------|----------------|---------|
| 11A        | Ant1    | 5180      | -1.31            | ≤11.00         | PASS    |
|            |         | 5200      | -0.65            | ≤11.00         | PASS    |
|            |         | 5240      | -1.38            | ≤11.00         | PASS    |
| 11N20SISO  | Ant1    | 5180      | -1.51            | ≤11.00         | PASS    |
|            |         | 5200      | -1.45            | ≤11.00         | PASS    |
|            |         | 5240      | -1.84            | ≤11.00         | PASS    |
| 11N40SISO  | Ant1    | 5190      | -4.46            | ≤11.00         | PASS    |
|            |         | 5230      | -4.88            | ≤11.00         | PASS    |
| 11AC20SISO | Ant1    | 5180      | -1.06            | ≤11.00         | PASS    |
|            |         | 5200      | -1.45            | ≤11.00         | PASS    |
|            |         | 5240      | -1.72            | ≤11.00         | PASS    |
| 11AC40SISO | Ant1    | 5190      | -5.41            | ≤11.00         | PASS    |
|            |         | 5230      | -4.75            | ≤11.00         | PASS    |
| 11AX20SISO | Ant1    | 5180      | -1.76            | ≤11.00         | PASS    |
|            |         | 5200      | -1.42            | ≤11.00         | PASS    |
|            |         | 5240      | -2.29            | ≤11.00         | PASS    |
| 11AX40SISO | Ant1    | 5190      | -4.60            | ≤11.00         | PASS    |
|            |         | 5230      | -5.31            | ≤11.00         | PASS    |

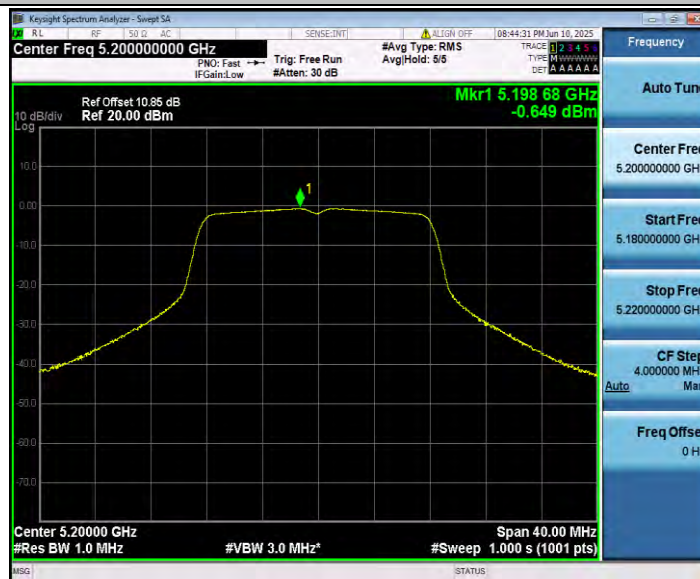
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.  
 2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

## Test Graphs

11A\_Ant1\_5180



11A\_Ant1\_5200



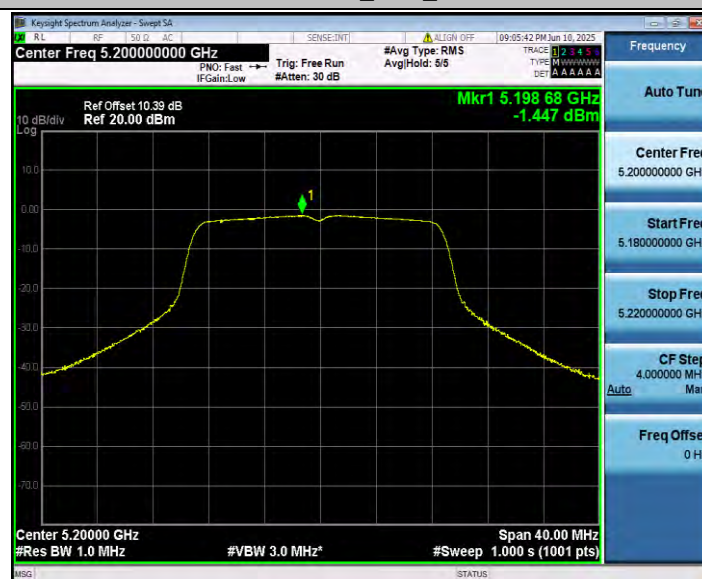
11A\_Ant1\_5240



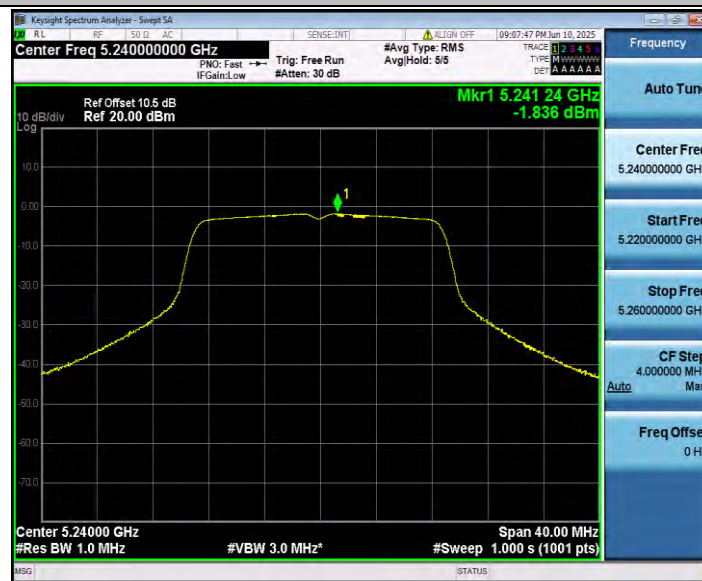
11N20SISO\_Ant1\_5180



11N20SISO\_Ant1\_5200



11N20SISO\_Ant1\_5240



11N40SISO\_Ant1\_5190



11N40SISO\_Ant1\_5230



11AC20SISO\_Ant1\_5180



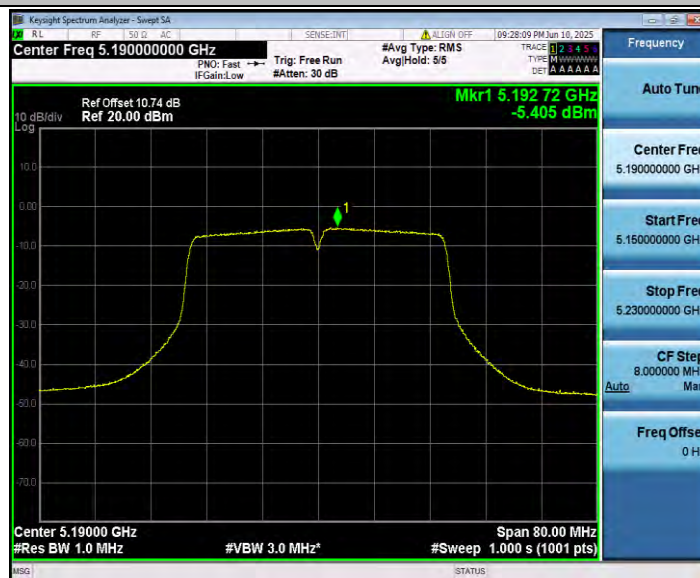
11AC20SISO\_Ant1\_5200



## 11AC20SISO\_Ant1\_5240



## 11AC40SISO\_Ant1\_5190



## 11AC40SISO\_Ant1\_5230



11AX20SISO\_Ant1\_5180



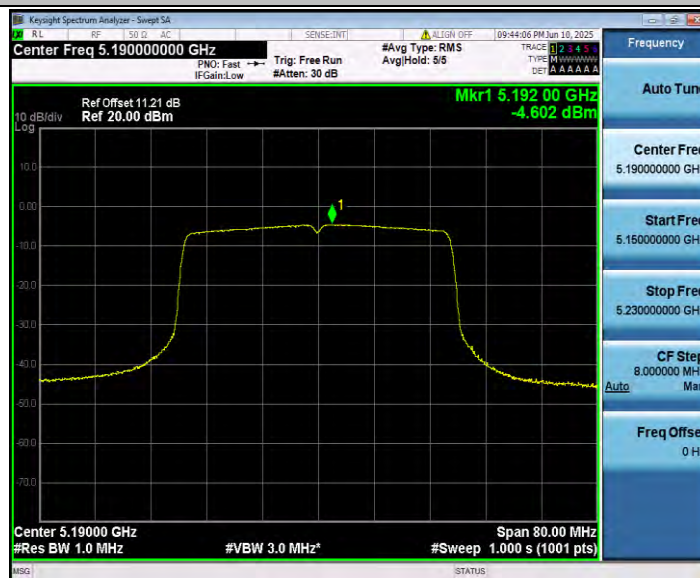
11AX20SISO\_Ant1\_5200



## 11AX20SISO\_Ant1\_5240



## 11AX40SISO\_Ant1\_5190



## 11AX40SISO\_Ant1\_5230

