

|                                                       |                                          |
|-------------------------------------------------------|------------------------------------------|
| <b>Case No. :</b> <u>GTS20241101002-1-04</u>          |                                          |
| <b>Ambient Condition:</b> <u>22</u> °C, <u>49</u> %RH |                                          |
| <b>According Standard:</b> ■Part15E                   |                                          |
| <b>Test Date:</b> <u>2024.12.12</u>                   | <b>Test Engineer:</b> <u>Evan ouyang</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      | 24.640            | 5487.480 | 5512.120 | ---        | ---     |
|            |         | 5580      | 25.760            | 5566.720 | 5592.480 | ---        | ---     |
|            |         | 5700      | 24.440            | 5687.600 | 5712.040 | ---        | ---     |
| 11N20SISO  | Ant1    | 5500      | 27.200            | 5486.560 | 5513.760 | ---        | ---     |
|            |         | 5580      | 27.280            | 5565.360 | 5592.640 | ---        | ---     |
|            |         | 5700      | 29.160            | 5685.240 | 5714.400 | ---        | ---     |
| 11N40SISO  | Ant1    | 5510      | 46.560            | 5486.880 | 5533.440 | ---        | ---     |
|            |         | 5590      | 51.680            | 5564.400 | 5616.080 | ---        | ---     |
|            |         | 5670      | 47.920            | 5646.400 | 5694.320 | ---        | ---     |
| 11AC20SISO | Ant1    | 5500      | 26.280            | 5487.200 | 5513.480 | ---        | ---     |
|            |         | 5580      | 26.840            | 5566.680 | 5593.520 | ---        | ---     |
|            |         | 5700      | 27.960            | 5686.800 | 5714.760 | ---        | ---     |
| 11AC40SISO | Ant1    | 5510      | 49.840            | 5483.680 | 5533.520 | ---        | ---     |
|            |         | 5590      | 47.440            | 5566.240 | 5613.680 | ---        | ---     |
|            |         | 5670      | 48.720            | 5646.000 | 5694.720 | ---        | ---     |
| 11AC80SISO | Ant1    | 5530      | 100.640           | 5476.560 | 5577.200 | ---        | ---     |
|            |         | 5610      | 107.360           | 5553.200 | 5660.560 | ---        | ---     |
| 11AX20SISO | Ant1    | 5500      | 26.000            | 5487.360 | 5513.360 | ---        | ---     |
|            |         | 5580      | 25.920            | 5567.080 | 5593.000 | ---        | ---     |
|            |         | 5700      | 26.480            | 5686.960 | 5713.440 | ---        | ---     |
| 11AX40SISO | Ant1    | 5510      | 45.520            | 5487.280 | 5532.800 | ---        | ---     |
|            |         | 5590      | 45.680            | 5567.280 | 5612.960 | ---        | ---     |
|            |         | 5670      | 45.200            | 5647.200 | 5692.400 | ---        | ---     |
| 11AX80SISO | Ant1    | 5530      | 85.600            | 5486.800 | 5572.400 | ---        | ---     |
|            |         | 5610      | 88.000            | 5566.640 | 5654.640 | ---        | ---     |

## Test Graphs

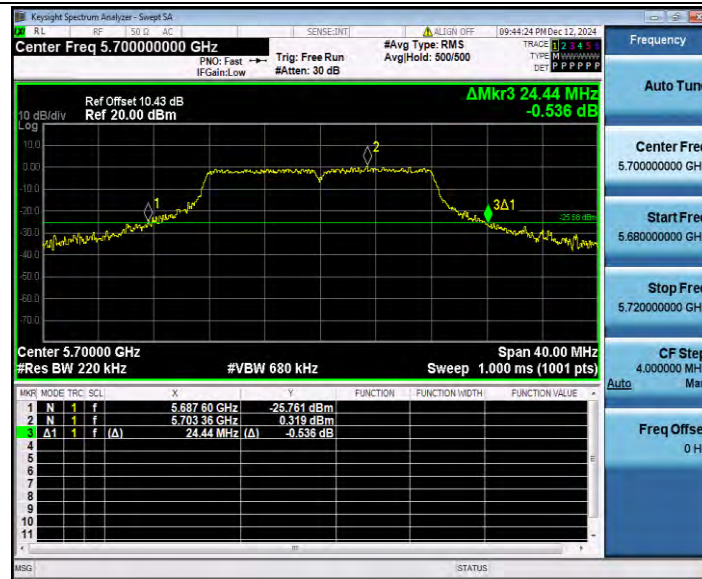
11A\_Ant1\_5500



11A\_Ant1\_5580



11A\_Ant1\_5700



11N20SISO\_Ant1\_5500



11N20SISO\_Ant1\_5580



## 11N20SISO\_Ant1\_5700



## 11N40SISO\_Ant1\_5510



## 11N40SISO\_Ant1\_5590



11N40SISO\_Ant1\_5670



11AC20SISO\_Ant1\_5500



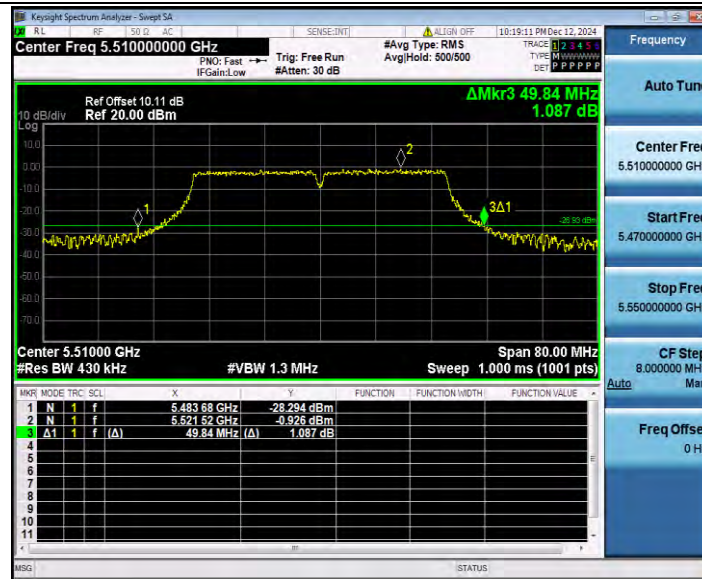
## 11AC20SISO\_Ant1\_5580



## 11AC20SISO\_Ant1\_5700



## 11AC40SISO\_Ant1\_5510



11AC40SISO\_Ant1\_5590



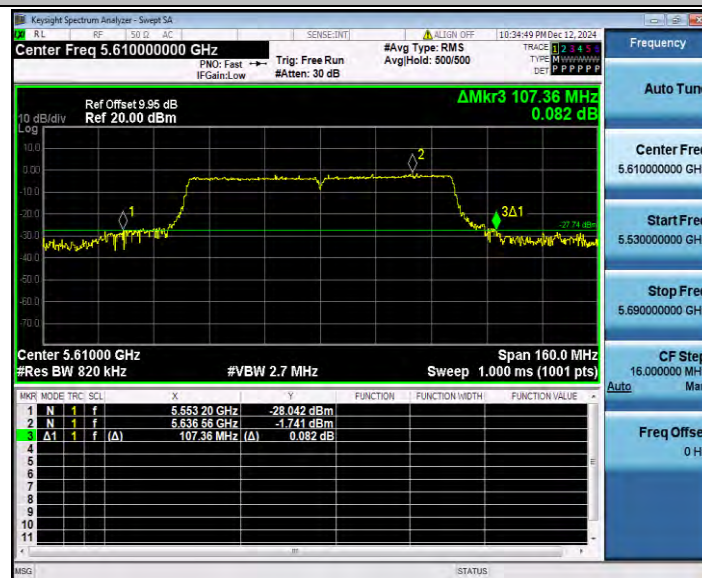
11AC40SISO\_Ant1\_5670



## 11AC80SISO\_Ant1\_5530



## 11AC80SISO\_Ant1\_5610



## 11AX20SISO\_Ant1\_5500



11AX20SISO\_Ant1\_5580



11AX20SISO\_Ant1\_5700



## 11AX40SISO\_Ant1\_5510



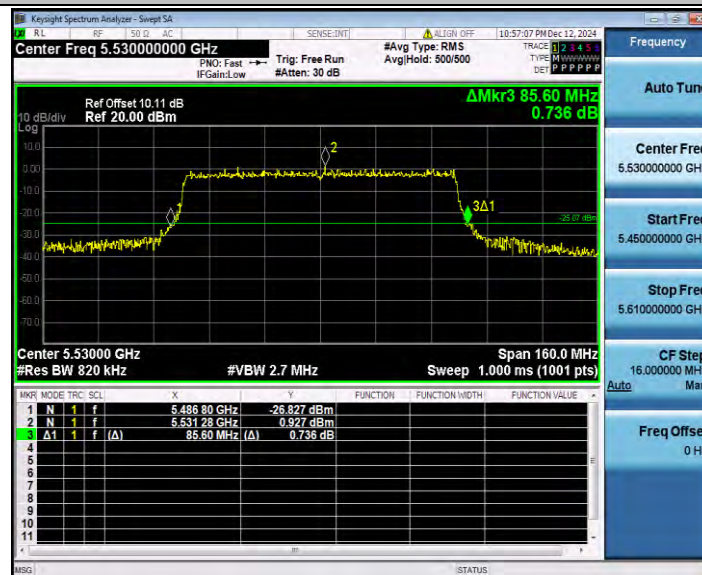
## 11AX40SISO\_Ant1\_5590



## 11AX40SISO\_Ant1\_5670



11AX80SISO\_Ant1\_5530



11AX80SISO\_Ant1\_5610

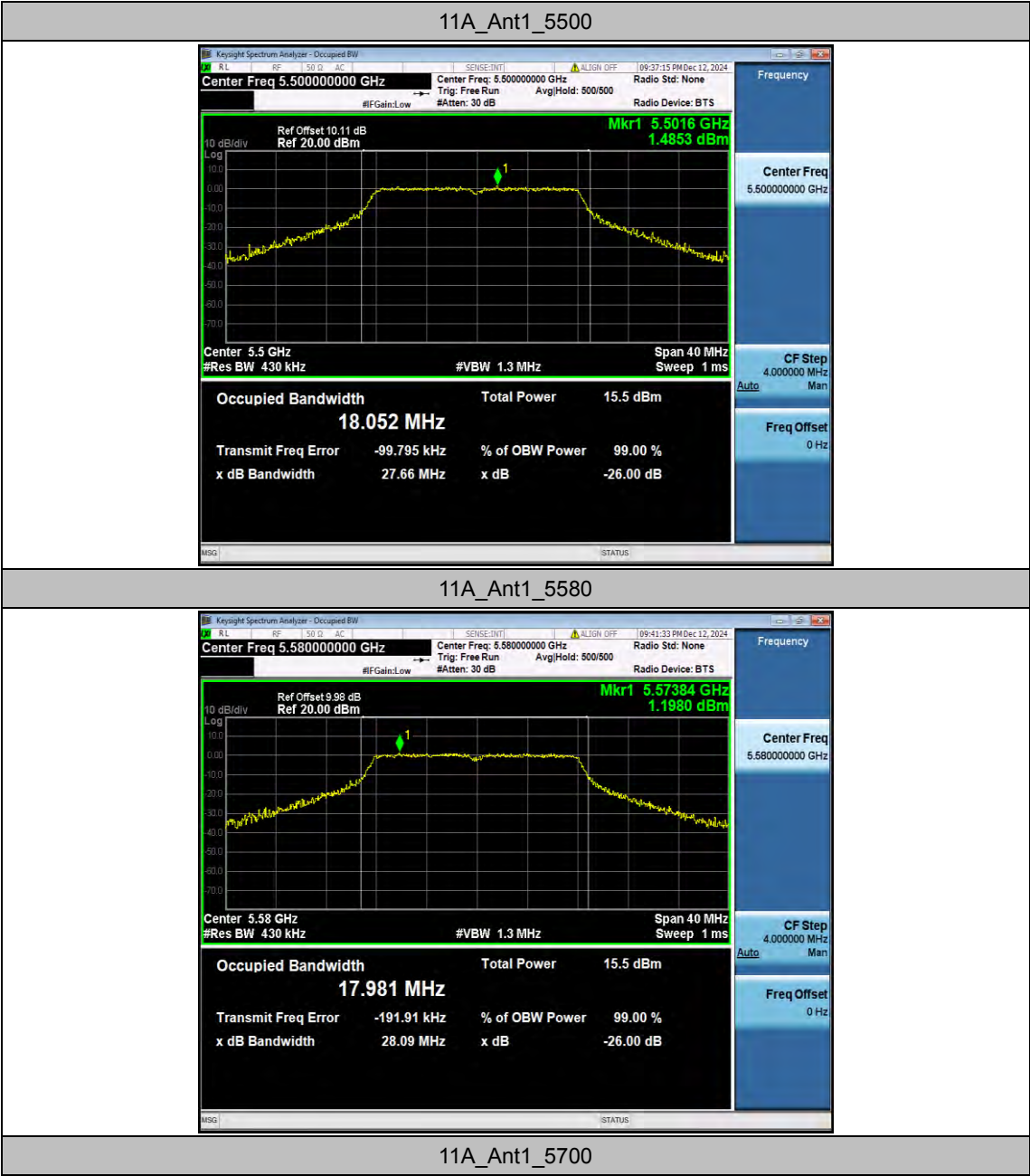


## Appendix F.2: Occupied channel bandwidth

### Test Result

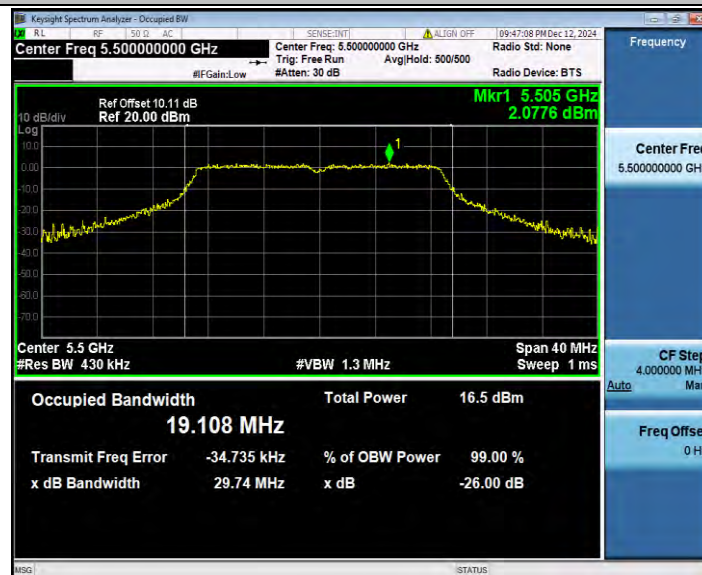
| TestMode   | Antenna | Freq(MHz) | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|------------|---------|-----------|-----------|-----------|-----------|------------|---------|
| 11A        | Ant1    | 5500      | 18.052    | 5490.8742 | 5508.9262 | ---        | ---     |
|            |         | 5580      | 17.981    | 5570.8176 | 5588.7986 | ---        | ---     |
|            |         | 5700      | 17.997    | 5690.9320 | 5708.9290 | ---        | ---     |
| 11N20SISO  | Ant1    | 5500      | 19.108    | 5490.4113 | 5509.5193 | ---        | ---     |
|            |         | 5580      | 19.045    | 5570.3446 | 5589.3896 | ---        | ---     |
|            |         | 5700      | 19.202    | 5690.4253 | 5709.6273 | ---        | ---     |
| 11N40SISO  | Ant1    | 5510      | 37.655    | 5491.2151 | 5528.8701 | ---        | ---     |
|            |         | 5590      | 37.749    | 5571.1021 | 5608.8511 | ---        | ---     |
|            |         | 5670      | 37.676    | 5651.2786 | 5688.9546 | ---        | ---     |
| 11AC20SISO | Ant1    | 5500      | 19.050    | 5490.4479 | 5509.4979 | ---        | ---     |
|            |         | 5580      | 19.083    | 5570.3255 | 5589.4085 | ---        | ---     |
|            |         | 5700      | 19.202    | 5690.4589 | 5709.6609 | ---        | ---     |
| 11AC40SISO | Ant1    | 5510      | 37.631    | 5491.2090 | 5528.8400 | ---        | ---     |
|            |         | 5590      | 37.839    | 5571.0393 | 5608.8783 | ---        | ---     |
|            |         | 5670      | 37.776    | 5651.1424 | 5688.9184 | ---        | ---     |
| 11AC80SISO | Ant1    | 5530      | 77.135    | 5491.3775 | 5568.5125 | ---        | ---     |
|            |         | 5610      | 77.651    | 5571.3677 | 5649.0187 | ---        | ---     |
| 11AX20SISO | Ant1    | 5500      | 19.693    | 5490.1886 | 5509.8816 | ---        | ---     |
|            |         | 5580      | 19.649    | 5570.1423 | 5589.7913 | ---        | ---     |
|            |         | 5700      | 19.668    | 5690.2264 | 5709.8944 | ---        | ---     |
| 11AX40SISO | Ant1    | 5510      | 38.596    | 5490.7369 | 5529.3329 | ---        | ---     |
|            |         | 5590      | 38.627    | 5570.7145 | 5609.3415 | ---        | ---     |
|            |         | 5670      | 38.611    | 5650.7256 | 5689.3366 | ---        | ---     |
| 11AX80SISO | Ant1    | 5530      | 78.196    | 5490.9137 | 5569.1097 | ---        | ---     |
|            |         | 5610      | 78.411    | 5570.8743 | 5649.2853 | ---        | ---     |

Test Graphs

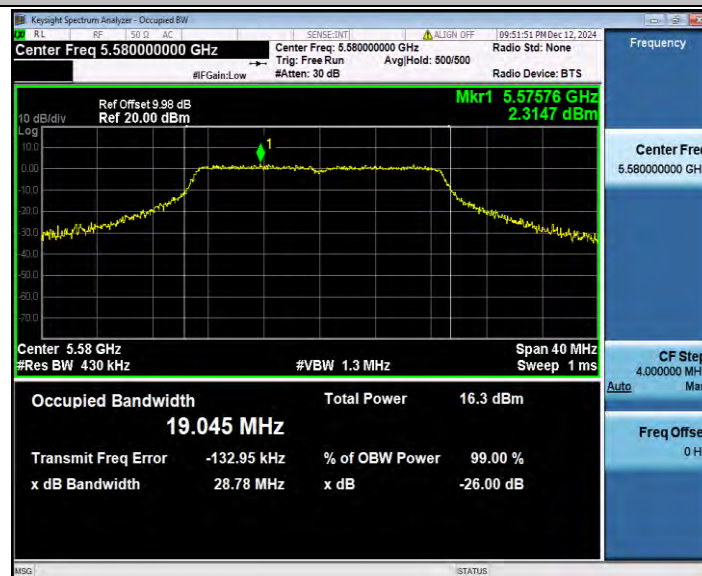




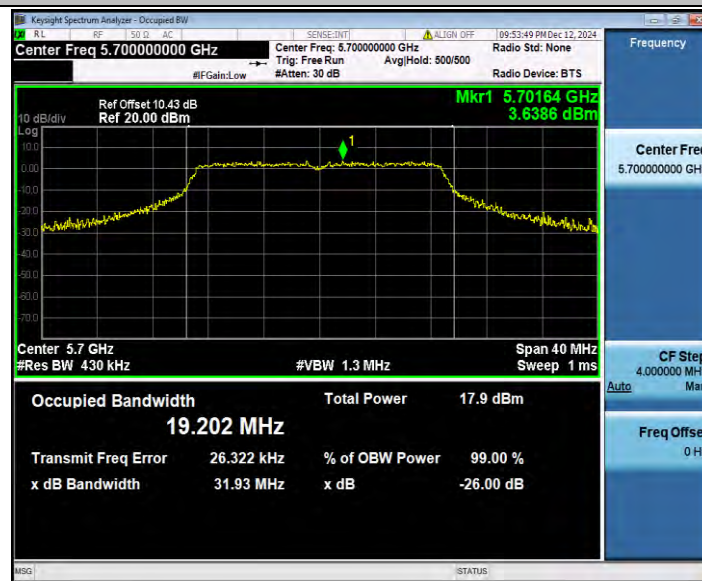
11N20SISO\_Ant1\_5500



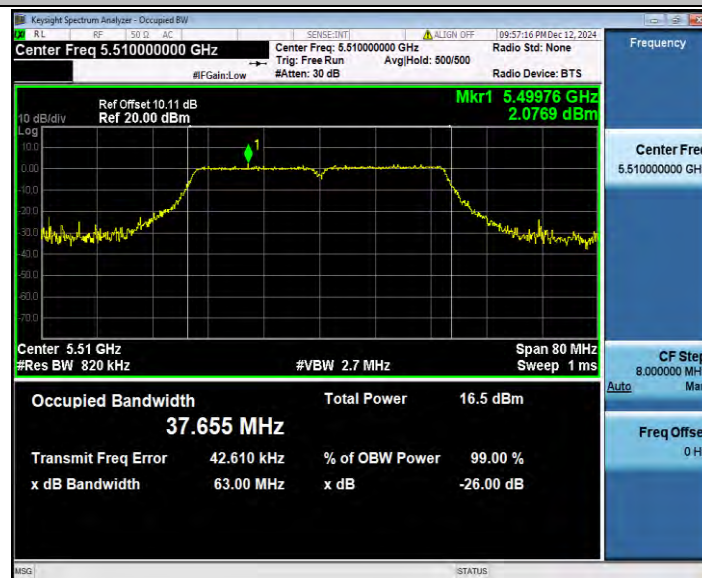
11N20SISO\_Ant1\_5580



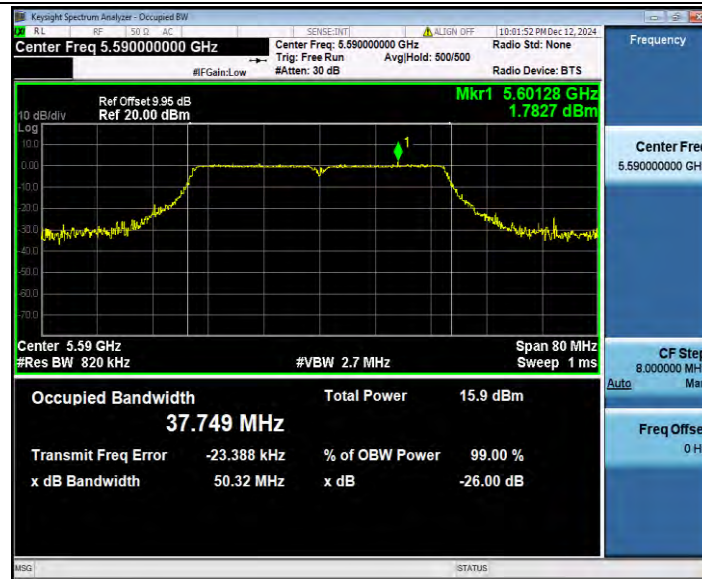
## 11N20SISO\_Ant1\_5700



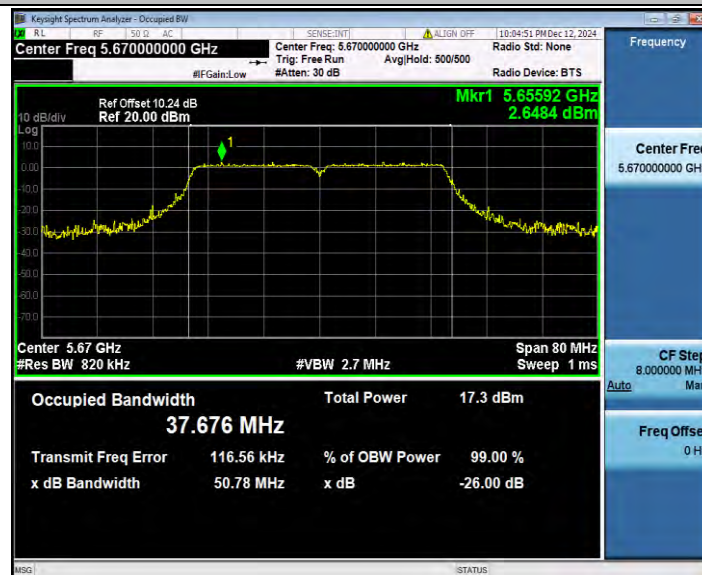
## 11N40SISO\_Ant1\_5510



## 11N40SISO\_Ant1\_5590



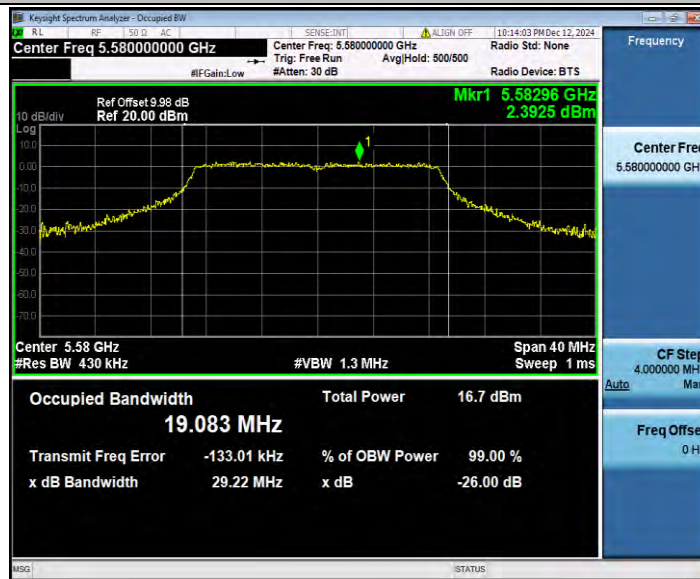
11N40SISO\_Ant1\_5670



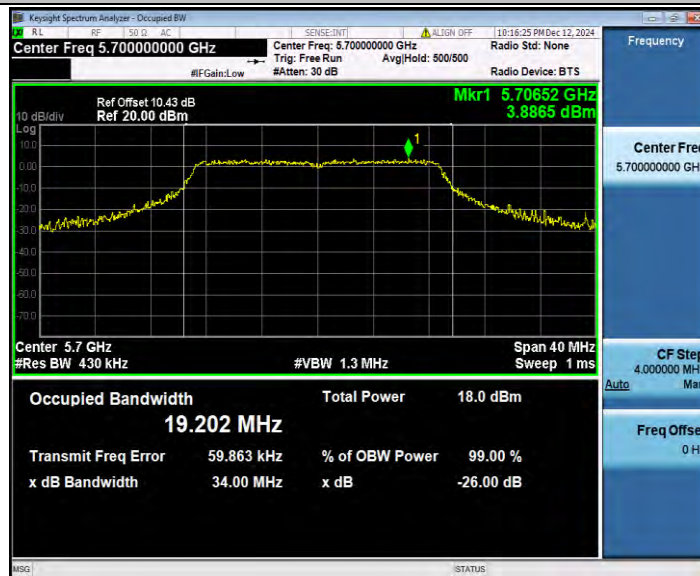
11AC20SISO\_Ant1\_5500



## 11AC20SISO\_Ant1\_5580



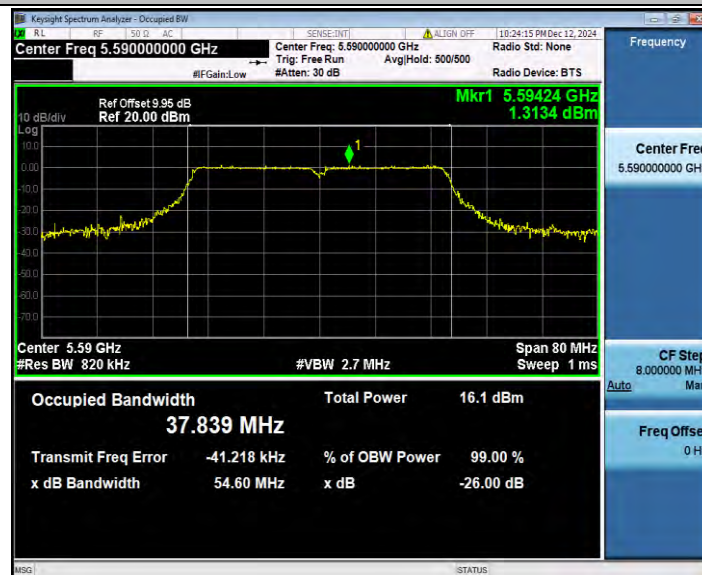
## 11AC20SISO\_Ant1\_5700



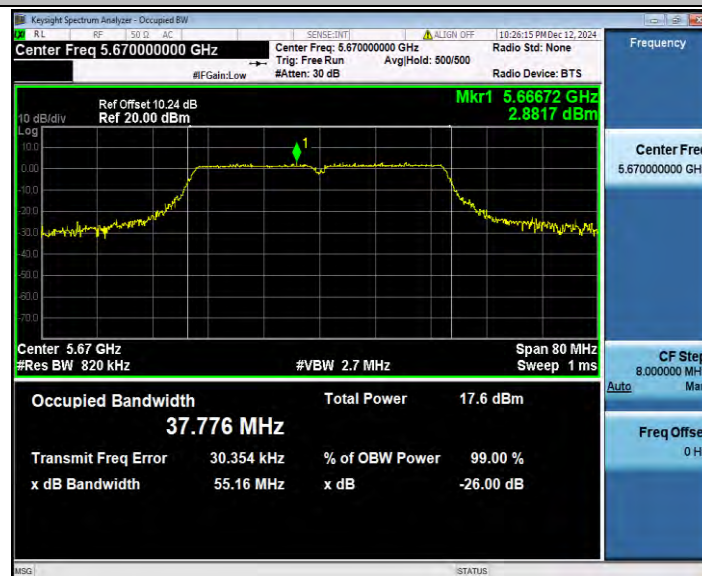
## 11AC40SISO\_Ant1\_5510



11AC40SISO\_Ant1\_5590



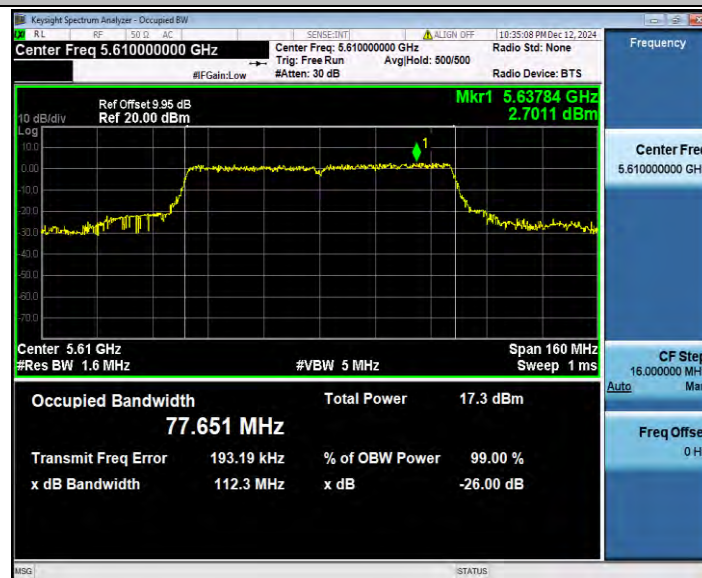
11AC40SISO\_Ant1\_5670



## 11AC80SISO\_Ant1\_5530



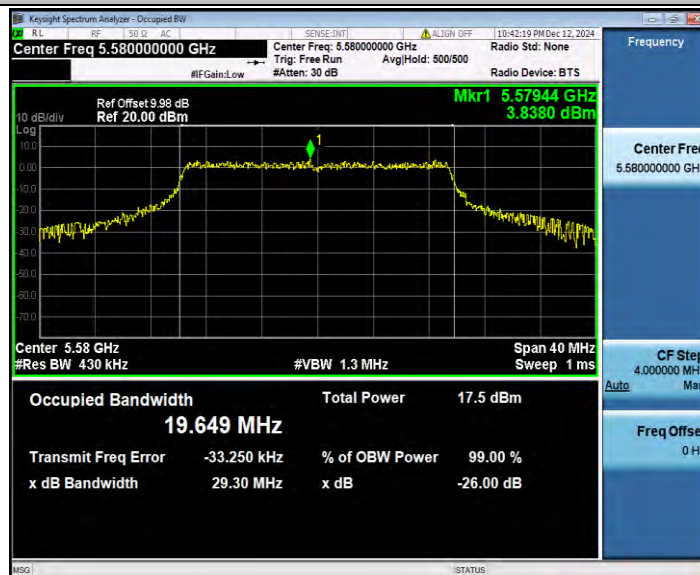
## 11AC80SISO\_Ant1\_5610



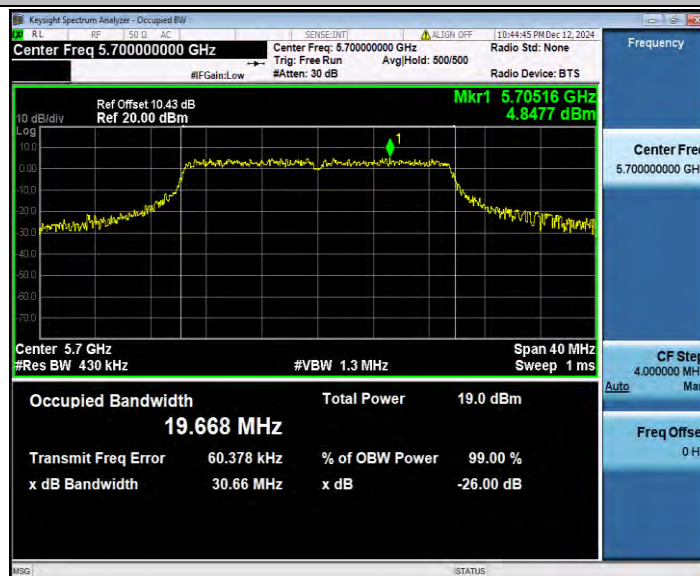
## 11AX20SISO\_Ant1\_5500



11AX20SISO\_Ant1\_5580



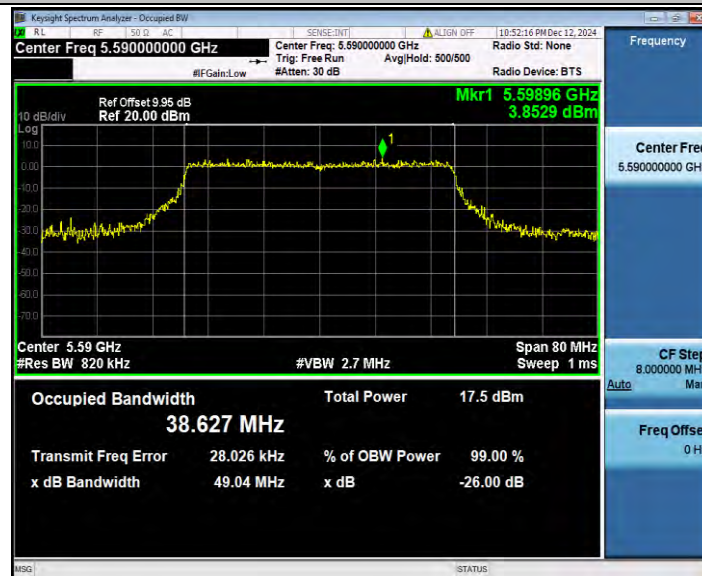
11AX20SISO\_Ant1\_5700



## 11AX40SISO\_Ant1\_5510



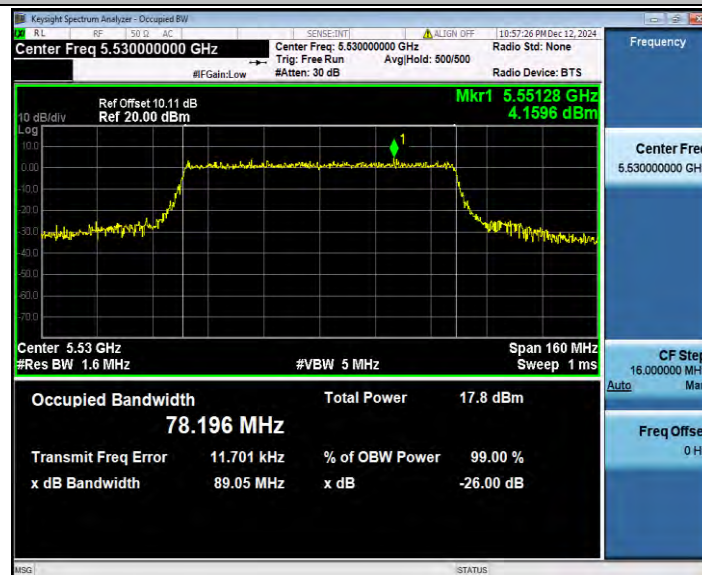
## 11AX40SISO\_Ant1\_5590



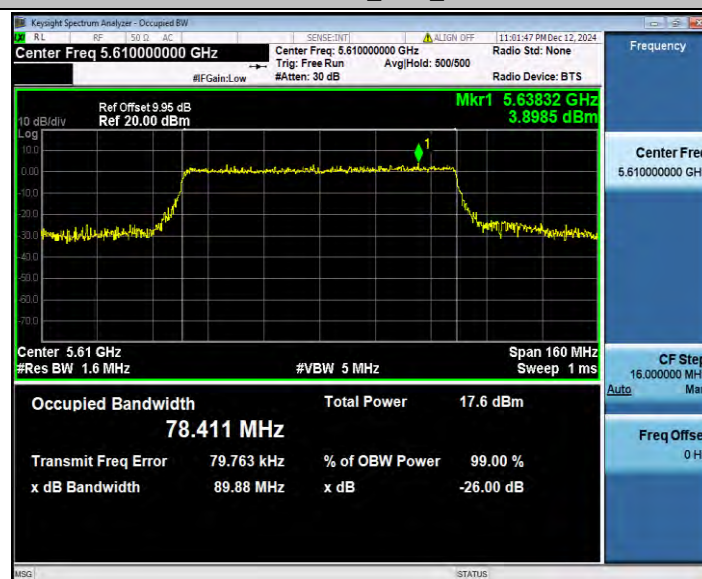
## 11AX40SISO\_Ant1\_5670



11AX80SISO\_Ant1\_5530



11AX80SISO\_Ant1\_5610

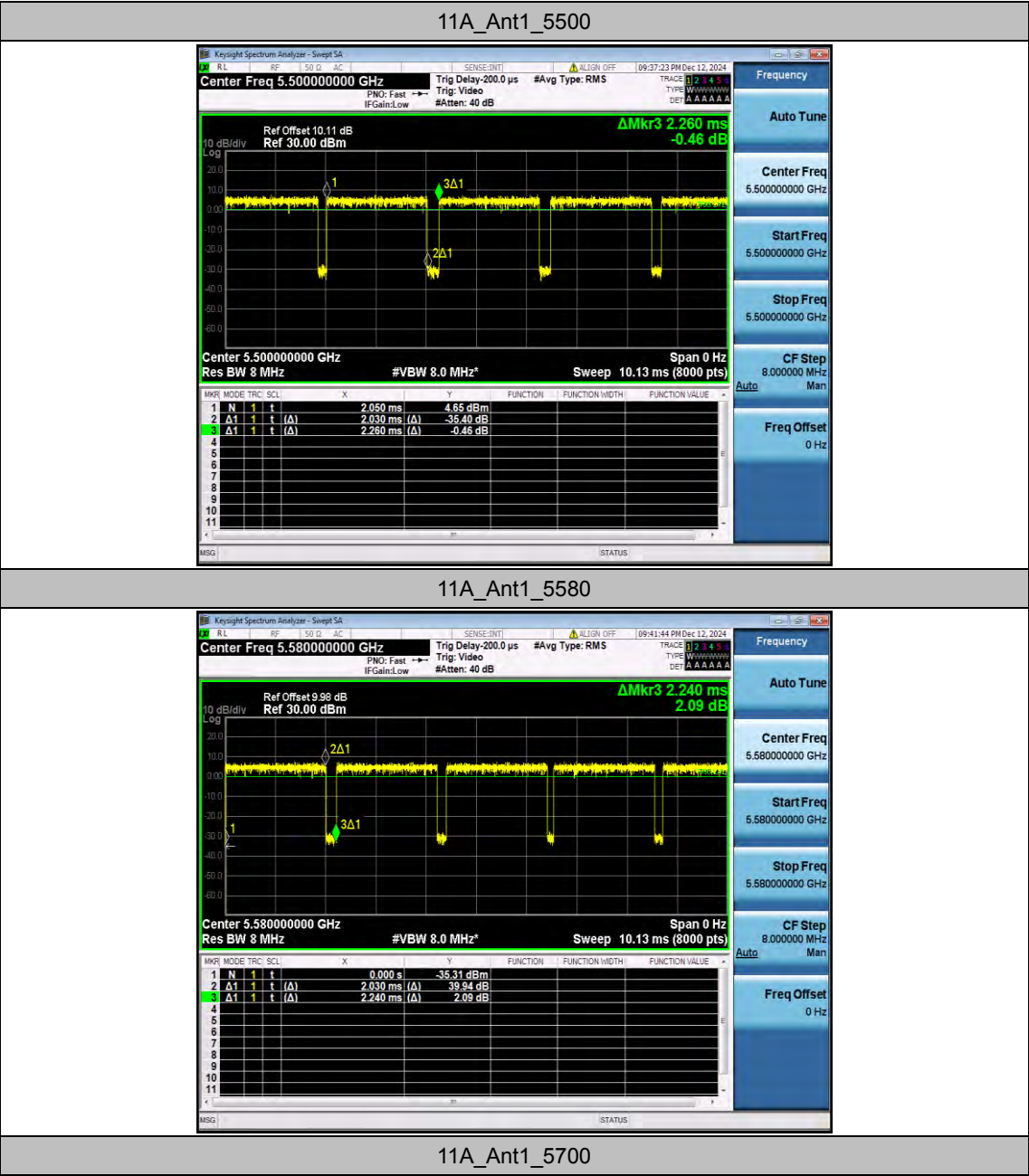


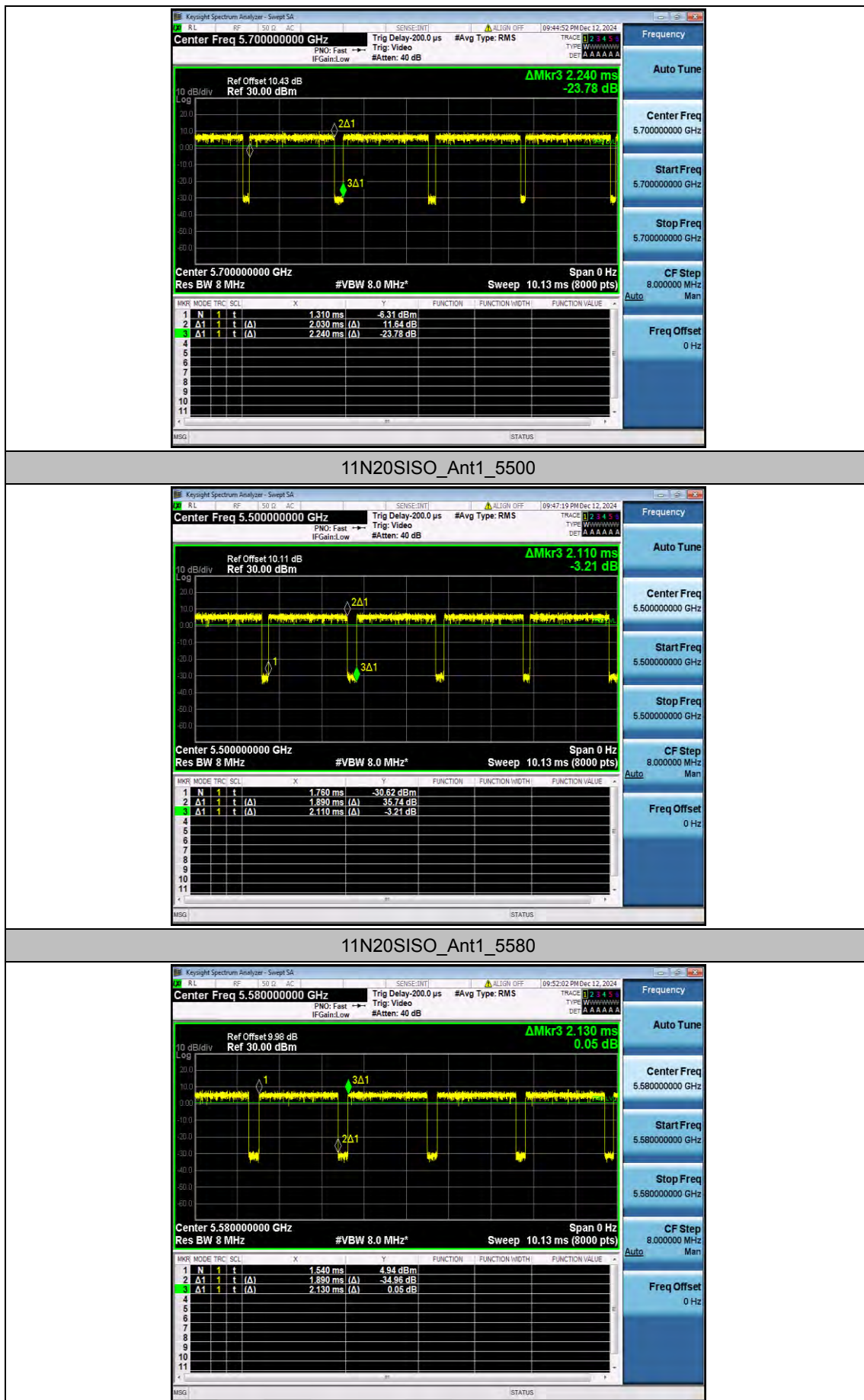
## Appendix F.3: Duty Cycle

### Test Result

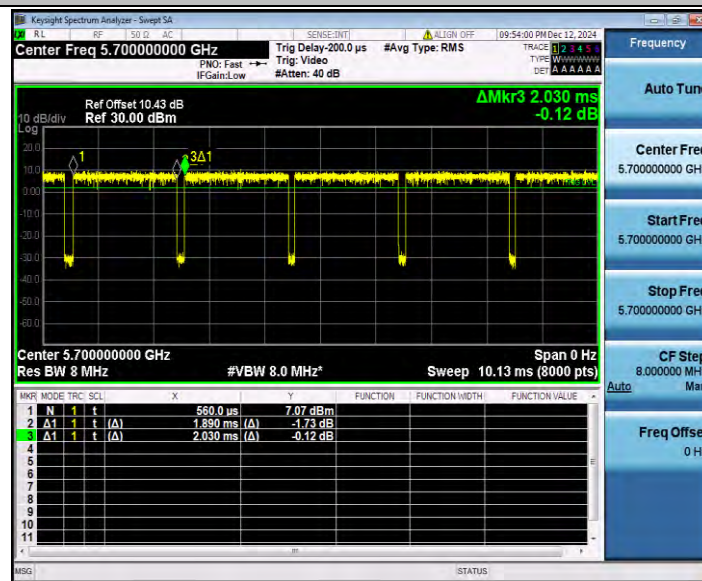
| TestMode   | Antenna | Freq(MHz) | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Duty Cycle Factor[dB] | 1/T Factor[KHz] |
|------------|---------|-----------|----------------------------|--------------------------|----------------|-----------------------|-----------------|
| 11A        | Ant1    | 5500      | 2.03                       | 2.26                     | 89.82          | 0.47                  | 0.49            |
|            |         | 5580      | 2.03                       | 2.24                     | 90.63          | 0.43                  | 0.49            |
|            |         | 5700      | 2.03                       | 2.24                     | 90.63          | 0.43                  | 0.49            |
| 11N20SISO  | Ant1    | 5500      | 1.89                       | 2.11                     | 89.57          | 0.48                  | 0.53            |
|            |         | 5580      | 1.89                       | 2.13                     | 88.73          | 0.52                  | 0.53            |
|            |         | 5700      | 1.89                       | 2.03                     | 93.10          | 0.31                  | 0.53            |
| 11N40SISO  | Ant1    | 5510      | 0.93                       | 1.17                     | 79.49          | 1.00                  | 1.08            |
|            |         | 5590      | 0.93                       | 1.17                     | 79.49          | 1.00                  | 1.08            |
|            |         | 5670      | 0.93                       | 1.42                     | 65.49          | 1.84                  | 1.08            |
| 11AC20SISO | Ant1    | 5500      | 1.90                       | 2.09                     | 90.91          | 0.41                  | 0.53            |
|            |         | 5580      | 1.90                       | 2.13                     | 89.20          | 0.50                  | 0.53            |
|            |         | 5700      | 1.90                       | 2.02                     | 94.06          | 0.27                  | 0.53            |
| 11AC40SISO | Ant1    | 5510      | 0.94                       | 1.42                     | 66.20          | 1.79                  | 1.06            |
|            |         | 5590      | 0.94                       | 1.16                     | 81.03          | 0.91                  | 1.06            |
|            |         | 5670      | 0.94                       | 1.12                     | 83.93          | 0.76                  | 1.06            |
| 11AC80SISO | Ant1    | 5530      | 0.46                       | 0.95                     | 48.42          | 3.15                  | 2.17            |
|            |         | 5610      | 0.45                       | 0.66                     | 68.18          | 1.66                  | 2.22            |
| 11AX20SISO | Ant1    | 5500      | 1.46                       | 1.69                     | 86.39          | 0.64                  | 0.68            |
|            |         | 5580      | 1.46                       | 1.66                     | 87.95          | 0.56                  | 0.68            |
|            |         | 5700      | 1.46                       | 1.69                     | 86.39          | 0.64                  | 0.68            |
| 11AX40SISO | Ant1    | 5510      | 0.77                       | 1.01                     | 76.24          | 1.18                  | 1.30            |
|            |         | 5590      | 0.76                       | 1.19                     | 63.87          | 1.95                  | 1.32            |
|            |         | 5670      | 0.77                       | 0.99                     | 77.78          | 1.09                  | 1.30            |
| 11AX80SISO | Ant1    | 5530      | 0.39                       | 0.88                     | 44.32          | 3.53                  | 2.56            |
|            |         | 5610      | 0.40                       | 0.62                     | 64.52          | 1.90                  | 2.50            |

Test Graphs

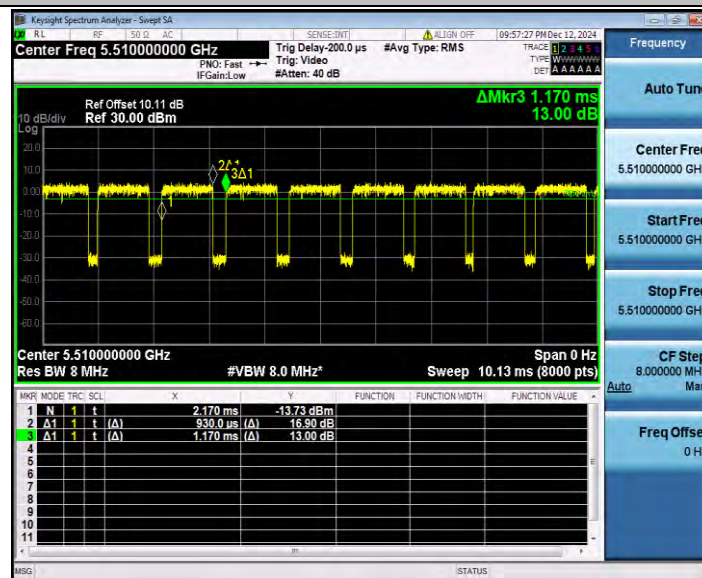




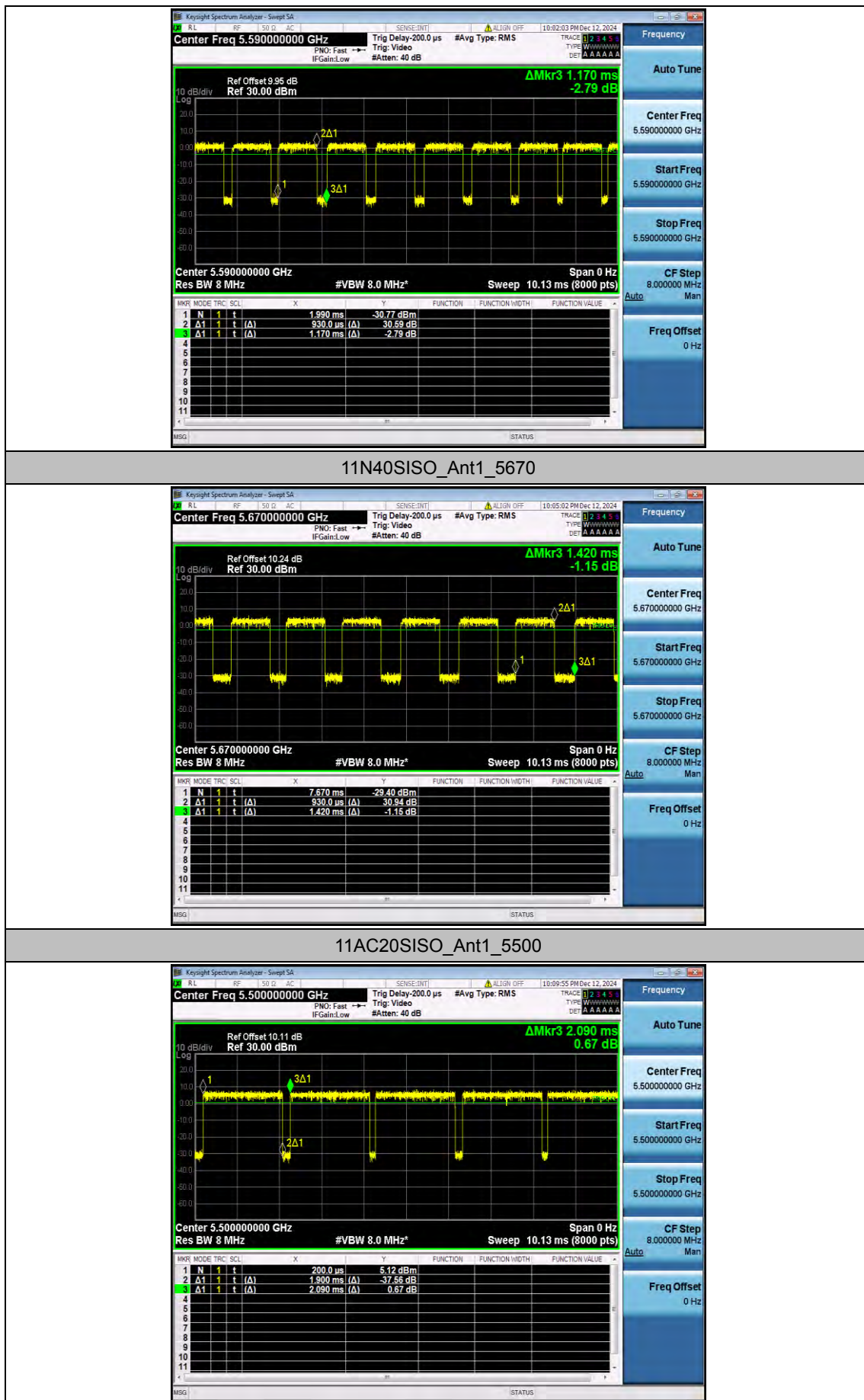
## 11N20SISO\_Ant1\_5700



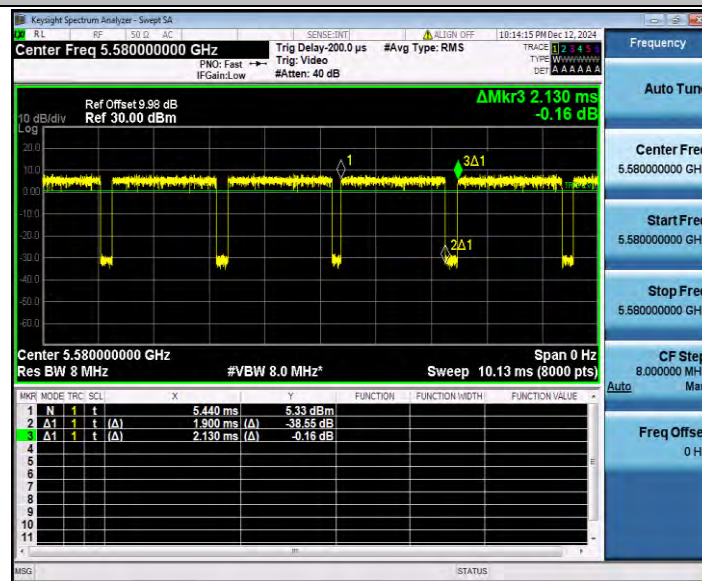
## 11N40SISO\_Ant1\_5510



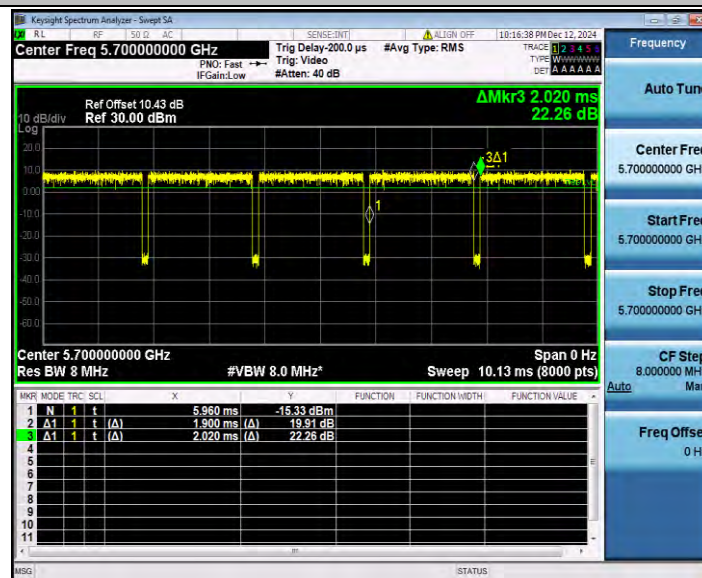
## 11N40SISO\_Ant1\_5590



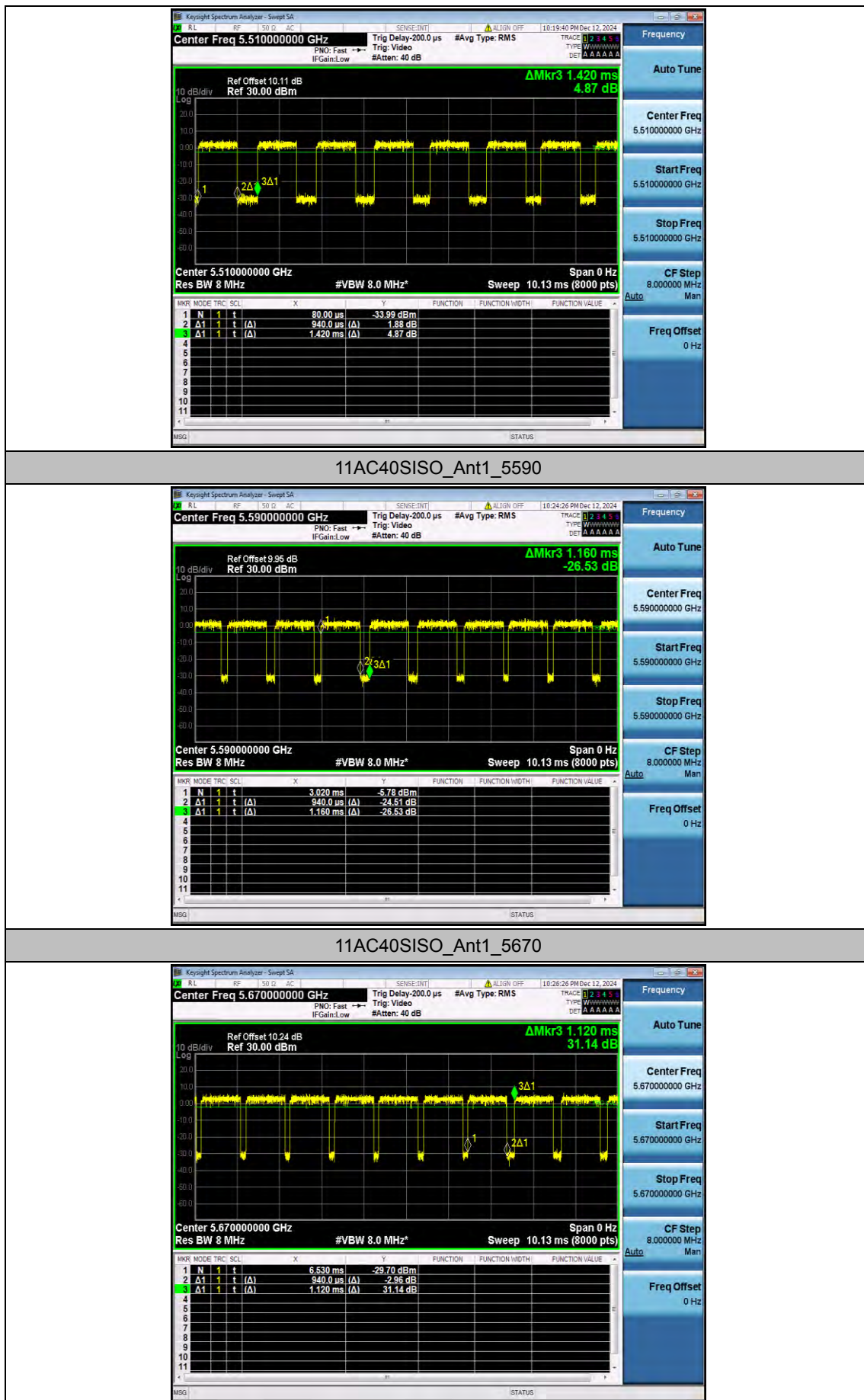
## 11AC20SISO\_Ant1\_5580

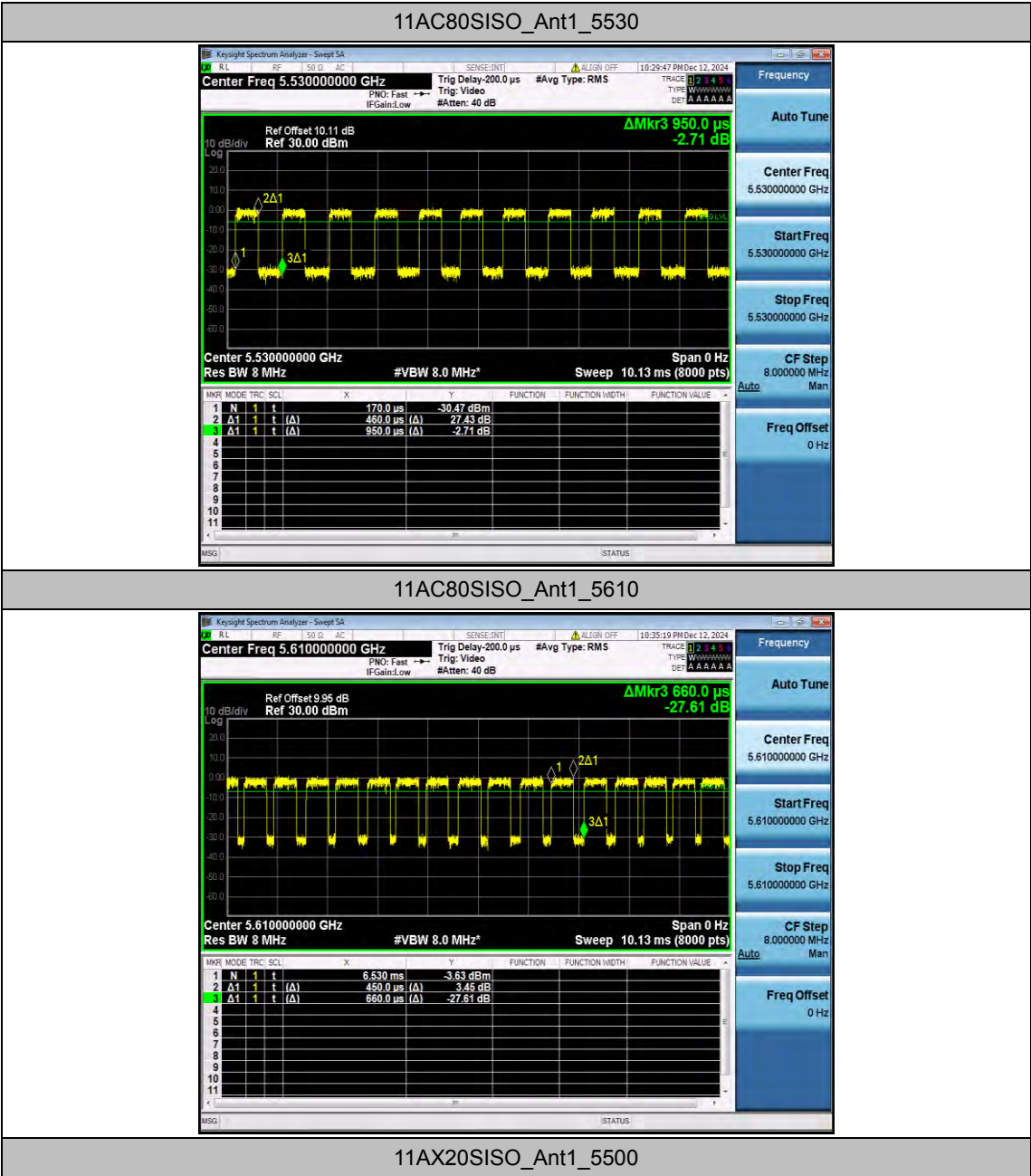


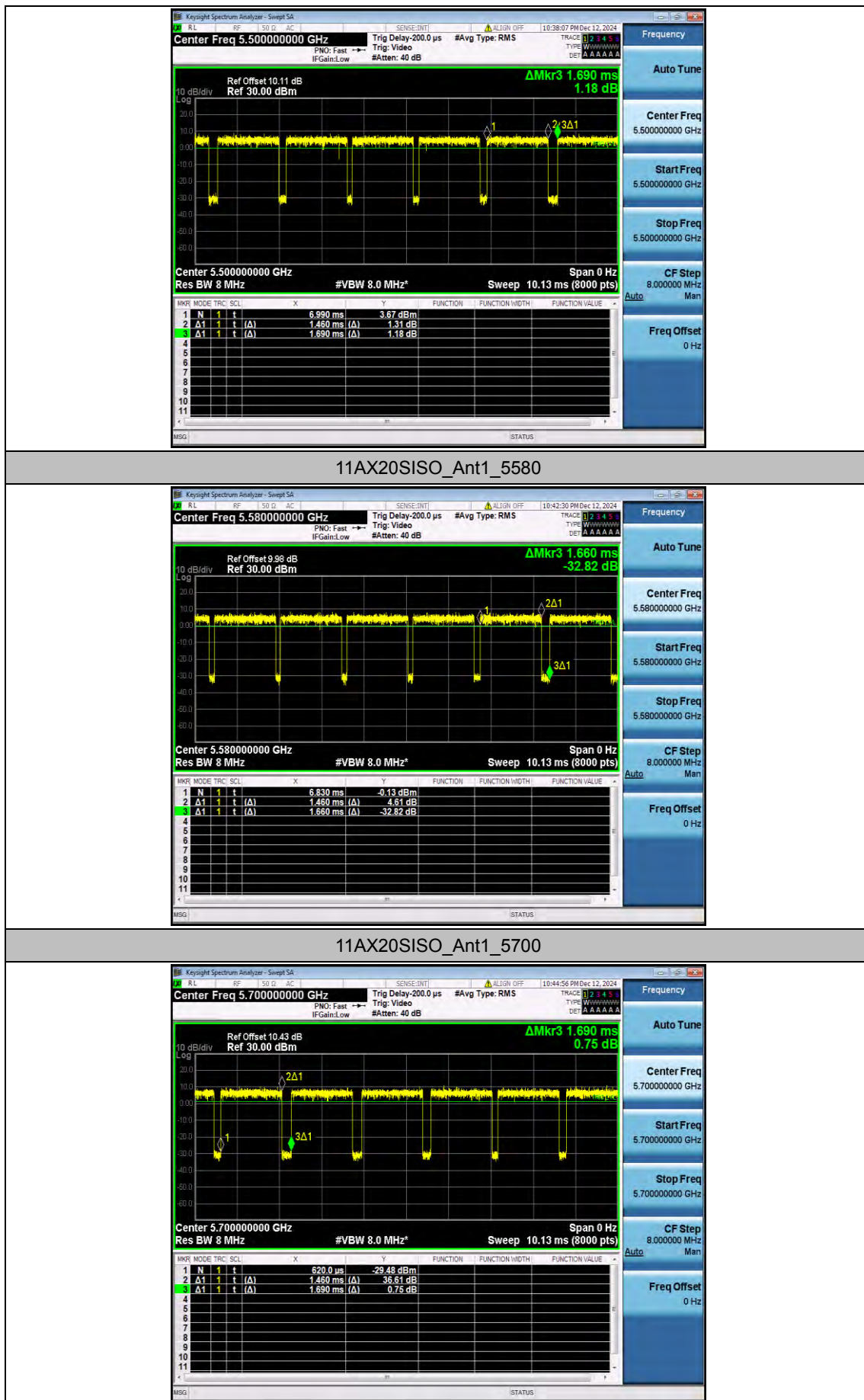
## 11AC20SISO\_Ant1\_5700

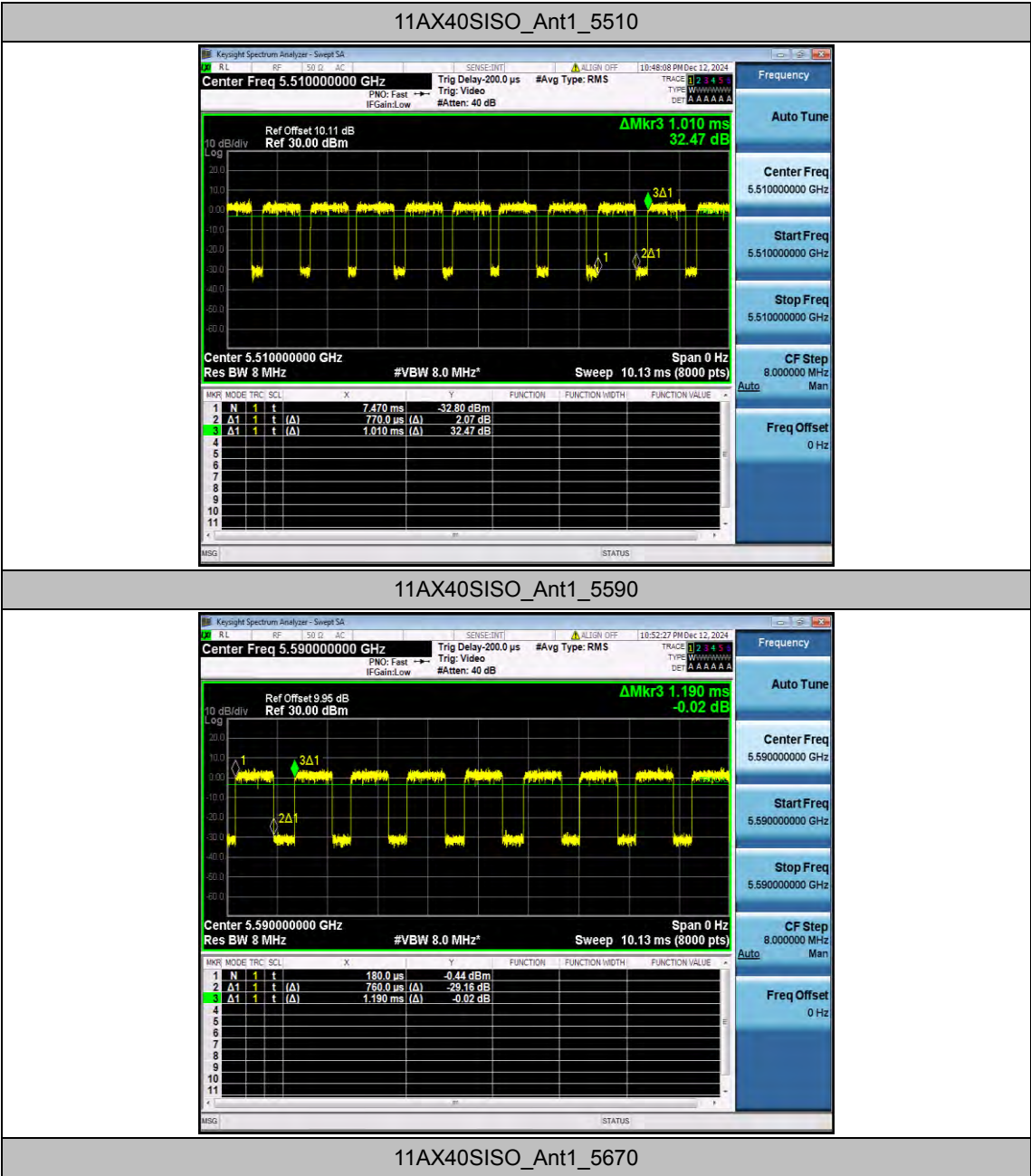


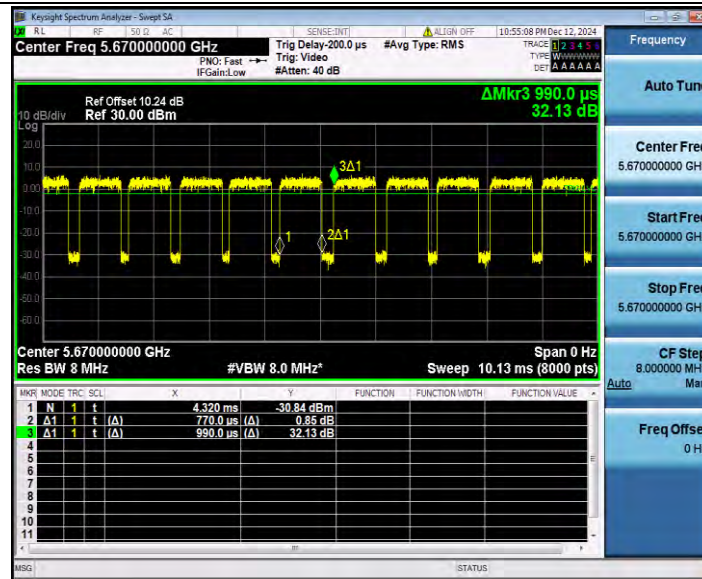
## 11AC40SISO\_Ant1\_5510



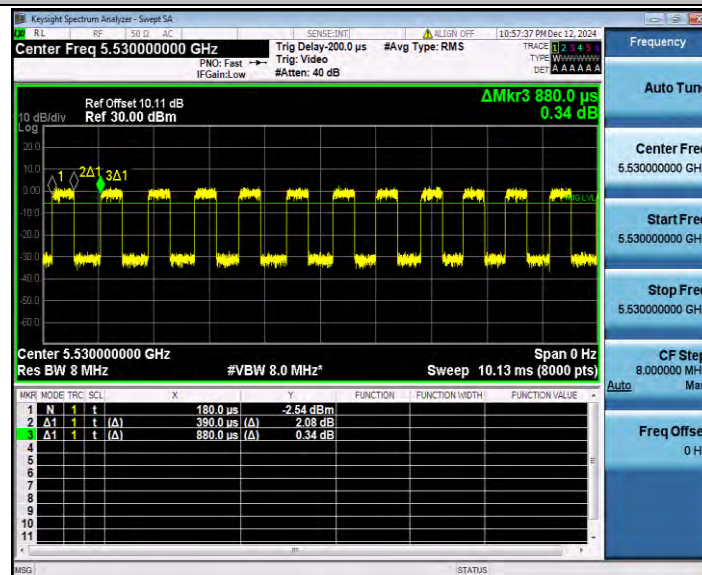




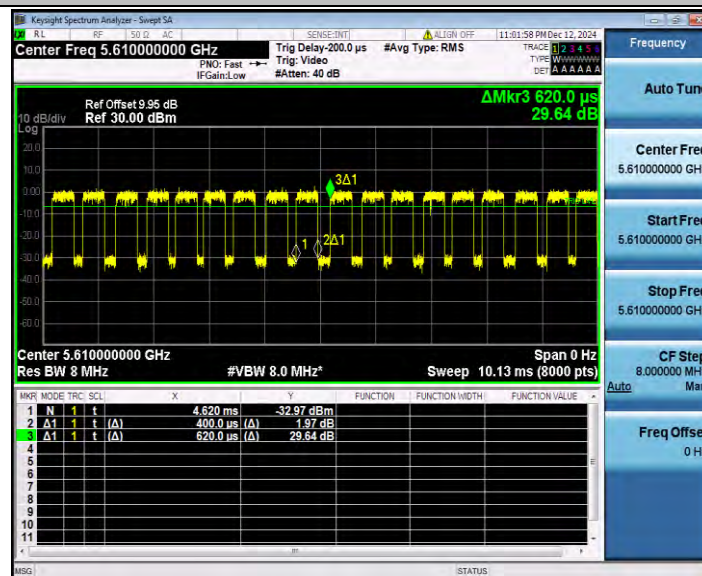




11AX80SISO\_Ant1\_5530



11AX80SISO\_Ant1\_5610



## Appendix F.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    | 5500      | 8.24                | 89.82          | 0.47            | 8.71         | ≤23.98      | PASS    |
|            |         | 5580      | 8.15                | 90.63          | 0.43            | 8.58         | ≤23.98      | PASS    |
|            |         | 5700      | 9.69                | 90.63          | 0.43            | 10.12        | ≤23.98      | PASS    |
| 11N20SISO  | Ant1    | 5500      | 9.23                | 89.57          | 0.48            | 9.71         | ≤23.98      | PASS    |
|            |         | 5580      | 9.09                | 88.73          | 0.52            | 9.61         | ≤23.98      | PASS    |
|            |         | 5700      | 10.83               | 93.10          | 0.31            | 11.14        | ≤23.98      | PASS    |
| 11N40SISO  | Ant1    | 5510      | 8.06                | 79.49          | 1.00            | 9.06         | ≤23.98      | PASS    |
|            |         | 5590      | 7.85                | 79.49          | 1.00            | 8.85         | ≤23.98      | PASS    |
|            |         | 5670      | 9.28                | 65.49          | 1.84            | 11.12        | ≤23.98      | PASS    |
| 11AC20SISO | Ant1    | 5500      | 9.39                | 90.91          | 0.41            | 9.80         | ≤23.98      | PASS    |
|            |         | 5580      | 9.41                | 89.20          | 0.50            | 9.91         | ≤23.98      | PASS    |
|            |         | 5700      | 10.84               | 94.06          | 0.27            | 11.11        | ≤23.98      | PASS    |
| 11AC40SISO | Ant1    | 5510      | 8.10                | 66.20          | 1.79            | 9.89         | ≤23.98      | PASS    |
|            |         | 5590      | 7.98                | 81.03          | 0.91            | 8.89         | ≤23.98      | PASS    |
|            |         | 5670      | 9.51                | 83.93          | 0.76            | 10.27        | ≤23.98      | PASS    |
| 11AC80SISO | Ant1    | 5530      | 5.97                | 48.42          | 3.15            | 9.12         | ≤23.98      | PASS    |
|            |         | 5610      | 7.08                | 68.18          | 1.66            | 8.74         | ≤23.98      | PASS    |
| 11AX20SISO | Ant1    | 5500      | 9.04                | 86.39          | 0.64            | 9.68         | ≤23.98      | PASS    |
|            |         | 5580      | 8.60                | 87.95          | 0.56            | 9.16         | ≤23.98      | PASS    |
|            |         | 5700      | 10.27               | 86.39          | 0.64            | 10.91        | ≤23.98      | PASS    |
| 11AX40SISO | Ant1    | 5510      | 8.12                | 76.24          | 1.18            | 9.30         | ≤23.98      | PASS    |
|            |         | 5590      | 7.67                | 63.87          | 1.95            | 9.62         | ≤23.98      | PASS    |
|            |         | 5670      | 9.36                | 77.78          | 1.09            | 10.45        | ≤23.98      | PASS    |
| 11AX80SISO | Ant1    | 5530      | 7.12                | 44.32          | 3.53            | 10.65        | ≤23.98      | PASS    |
|            |         | 5610      | 6.98                | 64.52          | 1.90            | 8.88         | ≤23.98      | PASS    |

## Appendix F.5: Maximum power spectral density

### Test Result

| TestMode   | Antenna | Freq(MHz) | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|-----------|------------------|----------------|---------|
| 11A        | Ant1    | 5500      | -3.11            | ≤11.00         | PASS    |
|            |         | 5580      | -3.01            | ≤11.00         | PASS    |
|            |         | 5700      | -1.38            | ≤11.00         | PASS    |
| 11N20SISO  | Ant1    | 5500      | -2.35            | ≤11.00         | PASS    |
|            |         | 5580      | -2.38            | ≤11.00         | PASS    |
|            |         | 5700      | -0.88            | ≤11.00         | PASS    |
| 11N40SISO  | Ant1    | 5510      | -5.28            | ≤11.00         | PASS    |
|            |         | 5590      | -5.74            | ≤11.00         | PASS    |
|            |         | 5670      | -3.56            | ≤11.00         | PASS    |
| 11AC20SISO | Ant1    | 5500      | -2.38            | ≤11.00         | PASS    |
|            |         | 5580      | -2.10            | ≤11.00         | PASS    |
|            |         | 5700      | -0.95            | ≤11.00         | PASS    |
| 11AC40SISO | Ant1    | 5510      | -4.18            | ≤11.00         | PASS    |
|            |         | 5590      | -5.78            | ≤11.00         | PASS    |
|            |         | 5670      | -4.32            | ≤11.00         | PASS    |
| 11AC80SISO | Ant1    | 5530      | -6.48            | ≤11.00         | PASS    |
|            |         | 5610      | -7.75            | ≤11.00         | PASS    |
| 11AX20SISO | Ant1    | 5500      | -2.83            | ≤11.00         | PASS    |
|            |         | 5580      | -3.04            | ≤11.00         | PASS    |
|            |         | 5700      | -1.33            | ≤11.00         | PASS    |
| 11AX40SISO | Ant1    | 5510      | -5.77            | ≤11.00         | PASS    |
|            |         | 5590      | -5.67            | ≤11.00         | PASS    |
|            |         | 5670      | -5.12            | ≤11.00         | PASS    |
| 11AX80SISO | Ant1    | 5530      | -6.56            | ≤11.00         | PASS    |
|            |         | 5610      | -7.95            | ≤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\_5500



11A\_Ant1\_5580



11A\_Ant1\_5700



11N20SISO\_Ant1\_5500



11N20SISO\_Ant1\_5580



## 11N20SISO\_Ant1\_5700



## 11N40SISO\_Ant1\_5510



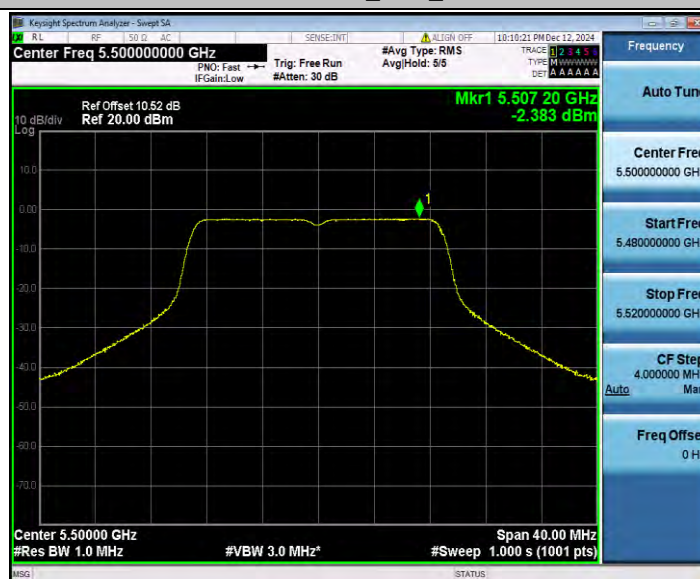
## 11N40SISO\_Ant1\_5590

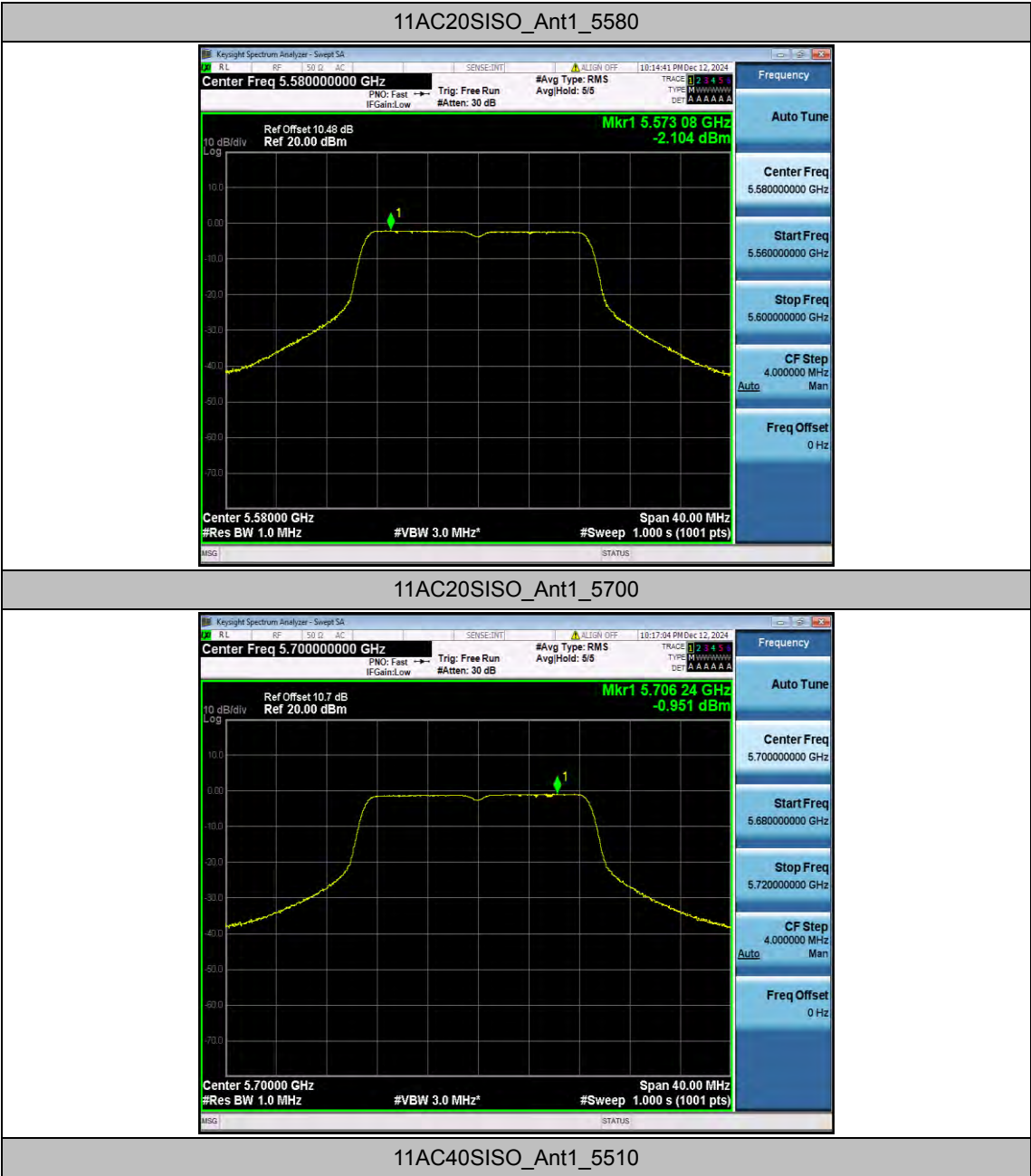


11N40SISO\_Ant1\_5670



11AC20SISO\_Ant1\_5500







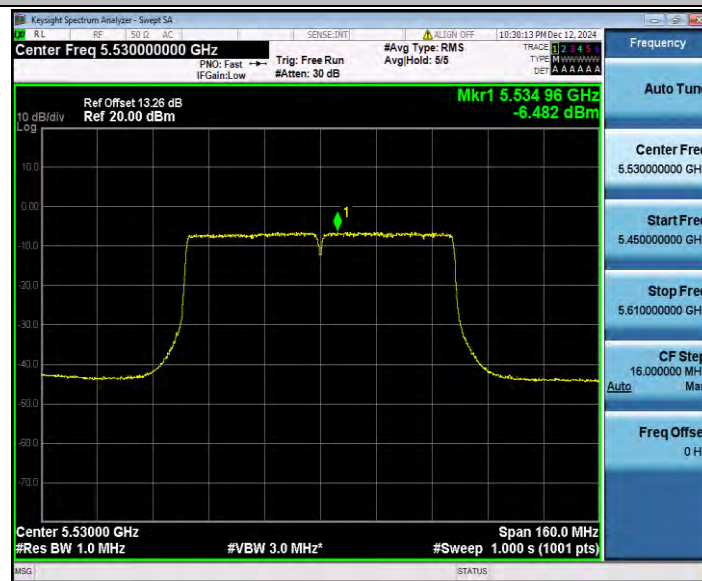
11AC40SISO\_Ant1\_5590



11AC40SISO\_Ant1\_5670



11AC80SISO\_Ant1\_5530



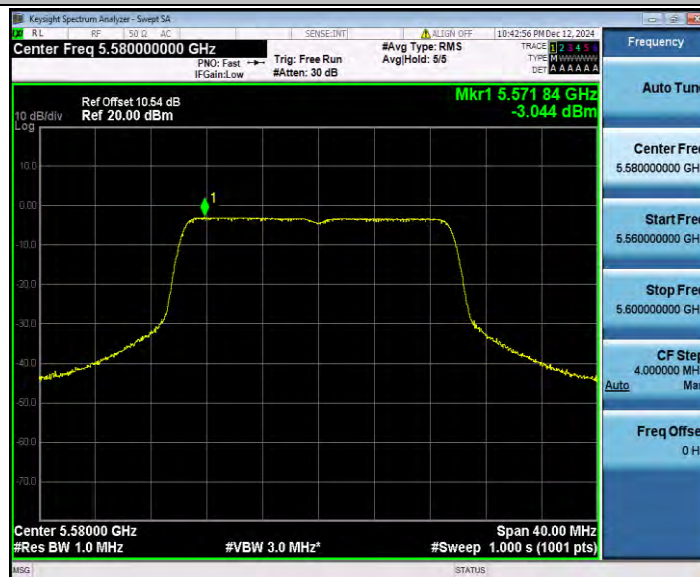
11AC80SISO\_Ant1\_5610



11AX20SISO\_Ant1\_5500



11AX20SISO\_Ant1\_5580



11AX20SISO\_Ant1\_5700



## 11AX40SISO\_Ant1\_5510



## 11AX40SISO\_Ant1\_5590



## 11AX40SISO\_Ant1\_5670



11AX80SISO\_Ant1\_5530



11AX80SISO\_Ant1\_5610

