

|                                                       |                                          |
|-------------------------------------------------------|------------------------------------------|
| <b>Case No. :</b> <u>CTA24103100104</u>               |                                          |
| <b>Ambient Condition:</b> <u>22</u> °C, <u>53</u> %RH |                                          |
| <b>According Standard:</b> ■Part15E                   |                                          |
| <b>Test Date:</b> <u>2024.9.10</u>                    | <b>Test Engineer:</b> <u>Lushan Kong</u> |

## Appendix F.1: Emission Bandwidth

### Test Result

| TestMode   | Antenna | Freq(MHz) | 26db EBW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|-----------|----------------|----------|----------|------------|---------|
| 11A        | Ant1    | 5500      | 24.640         | 5487.680 | 5512.320 | ---        | ---     |
|            |         | 5580      | 24.640         | 5567.560 | 5592.200 | ---        | ---     |
|            |         | 5700      | 26.920         | 5686.400 | 5713.320 | ---        | ---     |
| 11N20SISO  | Ant1    | 5500      | 26.760         | 5486.400 | 5513.160 | ---        | ---     |
|            |         | 5580      | 26.880         | 5566.800 | 5593.680 | ---        | ---     |
|            |         | 5700      | 28.880         | 5687.000 | 5715.880 | ---        | ---     |
| 11N40SISO  | Ant1    | 5510      | 48.240         | 5486.720 | 5534.960 | ---        | ---     |
|            |         | 5590      | 47.440         | 5567.360 | 5614.800 | ---        | ---     |
|            |         | 5670      | 47.600         | 5646.400 | 5694.000 | ---        | ---     |
| 11AC20SISO | Ant1    | 5500      | 26.040         | 5487.240 | 5513.280 | ---        | ---     |
|            |         | 5580      | 26.280         | 5566.800 | 5593.080 | ---        | ---     |
|            |         | 5700      | 27.040         | 5686.520 | 5713.560 | ---        | ---     |
| 11AC40SISO | Ant1    | 5510      | 46.240         | 5486.960 | 5533.200 | ---        | ---     |
|            |         | 5590      | 47.680         | 5567.040 | 5614.720 | ---        | ---     |
|            |         | 5670      | 52.480         | 5646.560 | 5699.040 | ---        | ---     |
| 11AC80SISO | Ant1    | 5530      | 113.440        | 5477.840 | 5591.280 | ---        | ---     |
|            |         | 5610      | 118.880        | 5562.320 | 5681.200 | ---        | ---     |
| 11AX20SISO | Ant1    | 5500      | 25.720         | 5487.360 | 5513.080 | ---        | ---     |
|            |         | 5580      | 25.200         | 5567.760 | 5592.960 | ---        | ---     |
|            |         | 5700      | 26.360         | 5687.520 | 5713.880 | ---        | ---     |
| 11AX40SISO | Ant1    | 5510      | 44.960         | 5488.160 | 5533.120 | ---        | ---     |
|            |         | 5590      | 45.760         | 5568.000 | 5613.760 | ---        | ---     |
|            |         | 5670      | 46.800         | 5646.560 | 5693.360 | ---        | ---     |
| 11AX80SISO | Ant1    | 5530      | 88.640         | 5486.800 | 5575.440 | ---        | ---     |
|            |         | 5610      | 86.720         | 5567.440 | 5654.160 | ---        | ---     |

## 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

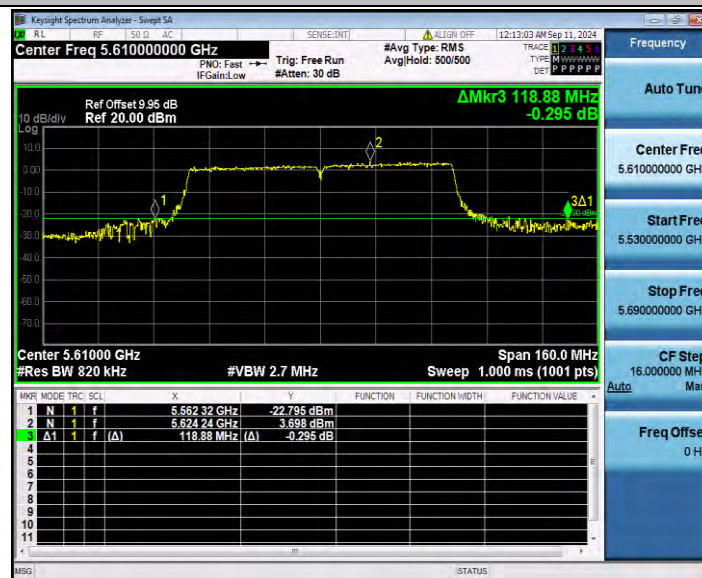




## 11AC80SISO\_Ant1\_5530



## 11AC80SISO\_Ant1\_5610



## 11AX20SISO\_Ant1\_5500





11AX20SISO\_Ant1\_5580



11AX20SISO\_Ant1\_5700



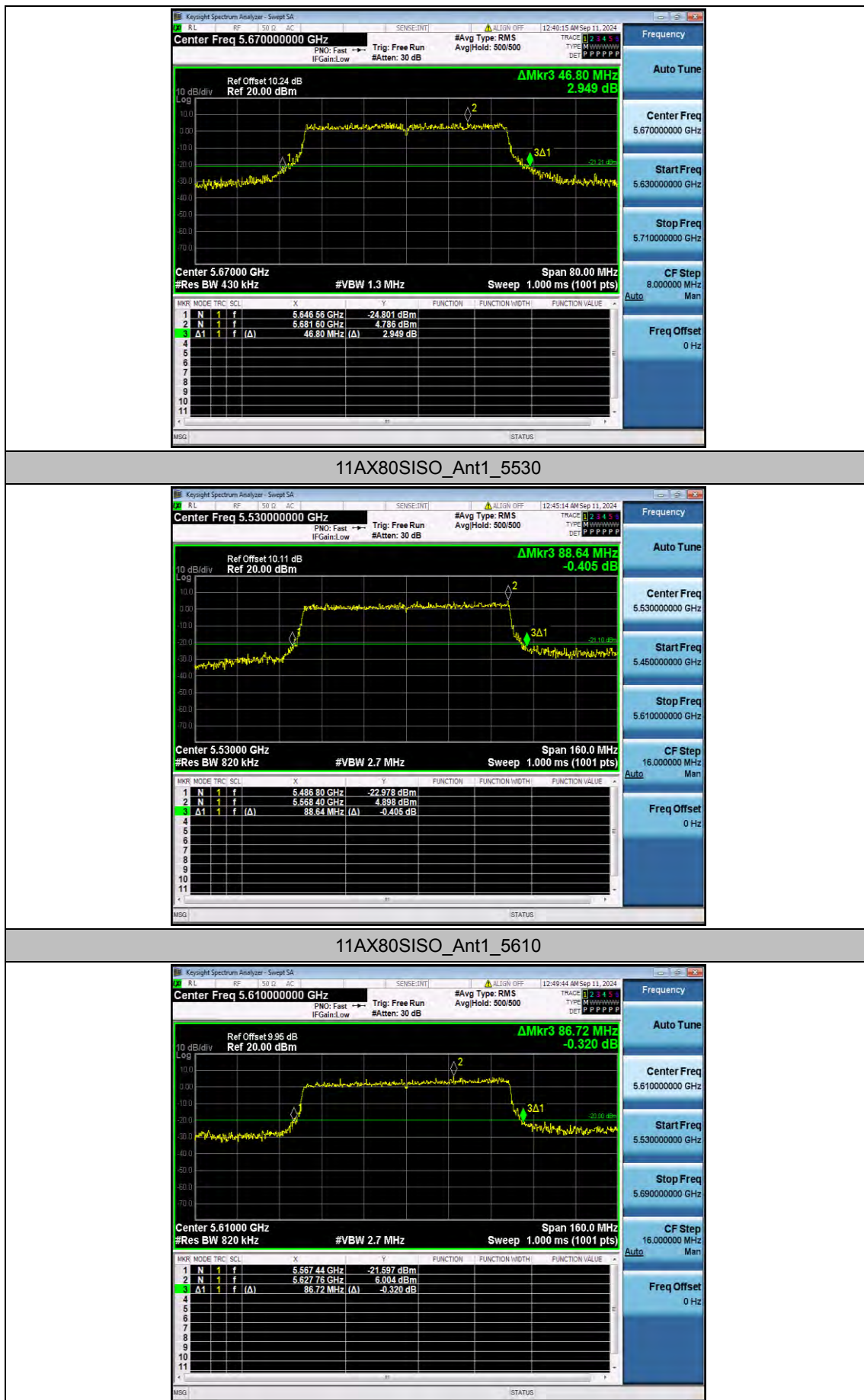
## 11AX40SISO\_Ant1\_5510



## 11AX40SISO\_Ant1\_5590



## 11AX40SISO\_Ant1\_5670



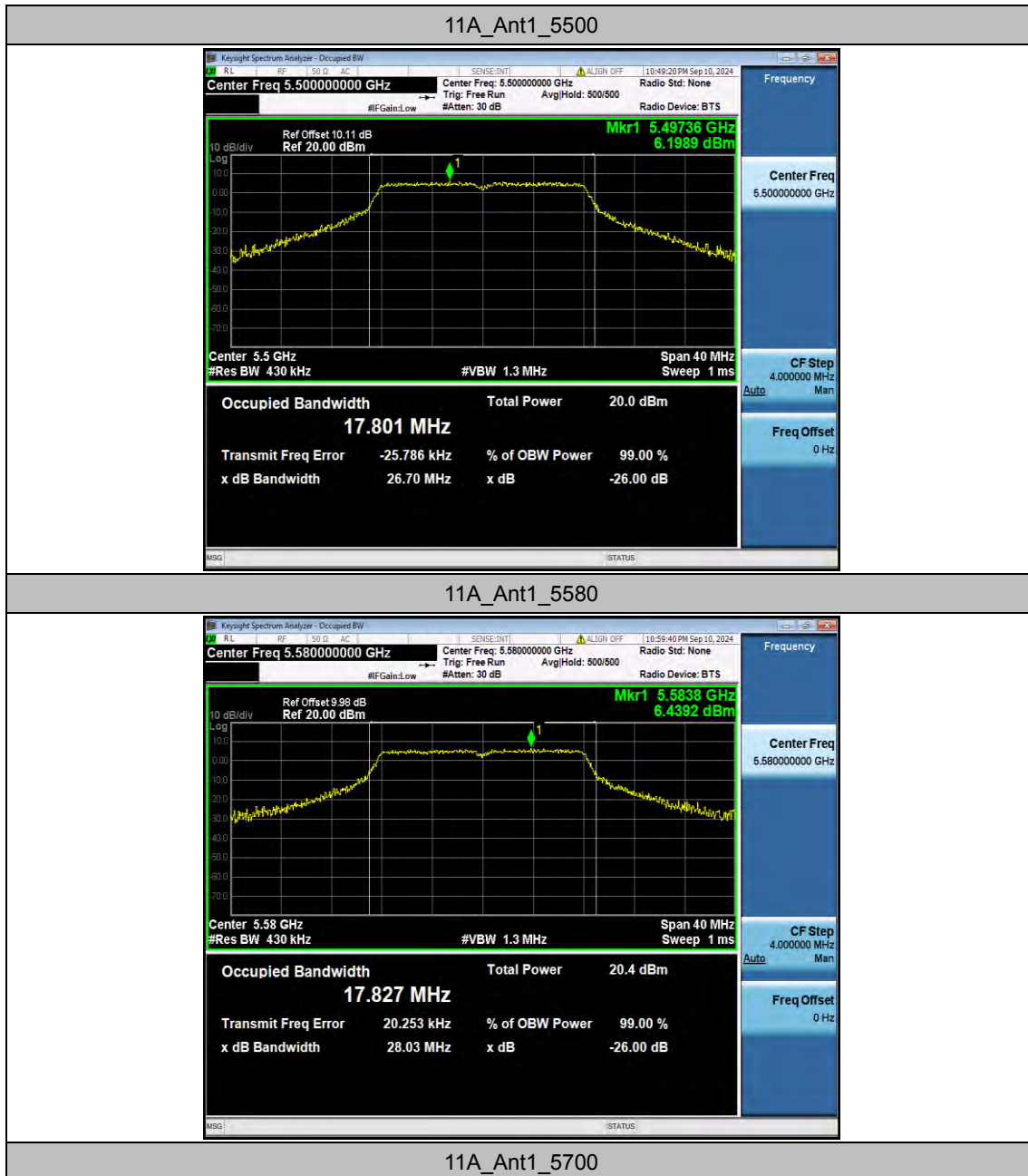
## Appendix F.2: Occupied channel bandwidth

### Test Result

| TestMode   | Antenna | Freq(MHz) | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|------------|---------|-----------|-----------|-----------|-----------|------------|---------|
| 11A        | Ant1    | 5500      | 17.801    | 5491.0737 | 5508.8747 | ---        | ---     |
|            |         | 5580      | 17.827    | 5571.1068 | 5588.9338 | ---        | ---     |
|            |         | 5700      | 17.968    | 5690.9080 | 5708.8760 | ---        | ---     |
| 11N20SISO  | Ant1    | 5500      | 19.015    | 5490.4758 | 5509.4908 | ---        | ---     |
|            |         | 5580      | 19.077    | 5570.5049 | 5589.5819 | ---        | ---     |
|            |         | 5700      | 18.984    | 5690.5472 | 5709.5312 | ---        | ---     |
| 11N40SISO  | Ant1    | 5510      | 37.520    | 5491.3125 | 5528.8325 | ---        | ---     |
|            |         | 5590      | 37.507    | 5571.4007 | 5608.9077 | ---        | ---     |
|            |         | 5670      | 37.491    | 5651.2676 | 5688.7586 | ---        | ---     |
| 11AC20SISO | Ant1    | 5500      | 18.960    | 5490.5104 | 5509.4704 | ---        | ---     |
|            |         | 5580      | 19.067    | 5570.5328 | 5589.5998 | ---        | ---     |
|            |         | 5700      | 18.955    | 5690.5573 | 5709.5123 | ---        | ---     |
| 11AC40SISO | Ant1    | 5510      | 37.621    | 5491.2663 | 5528.8873 | ---        | ---     |
|            |         | 5590      | 37.532    | 5571.3928 | 5608.9248 | ---        | ---     |
|            |         | 5670      | 37.568    | 5651.3209 | 5688.8889 | ---        | ---     |
| 11AC80SISO | Ant1    | 5530      | 77.291    | 5491.7392 | 5569.0302 | ---        | ---     |
|            |         | 5610      | 77.087    | 5571.8475 | 5648.9345 | ---        | ---     |
| 11AX20SISO | Ant1    | 5500      | 19.600    | 5490.2077 | 5509.8077 | ---        | ---     |
|            |         | 5580      | 19.694    | 5570.1637 | 5589.8577 | ---        | ---     |
|            |         | 5700      | 19.581    | 5690.1852 | 5709.7662 | ---        | ---     |
| 11AX40SISO | Ant1    | 5510      | 38.434    | 5490.7996 | 5529.2336 | ---        | ---     |
|            |         | 5590      | 38.478    | 5570.8527 | 5609.3307 | ---        | ---     |
|            |         | 5670      | 38.456    | 5650.8079 | 5689.2639 | ---        | ---     |
| 11AX80SISO | Ant1    | 5530      | 78.608    | 5490.8934 | 5569.5014 | ---        | ---     |
|            |         | 5610      | 78.214    | 5571.2281 | 5649.4421 | ---        | ---     |

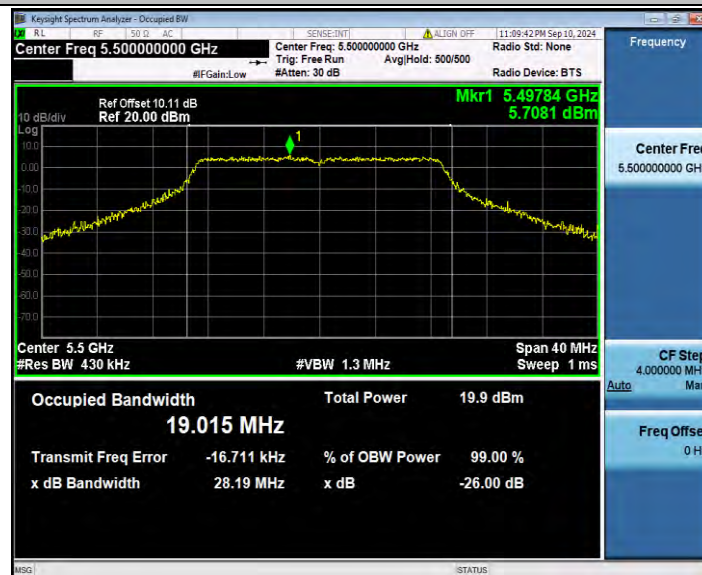


## Test Graphs

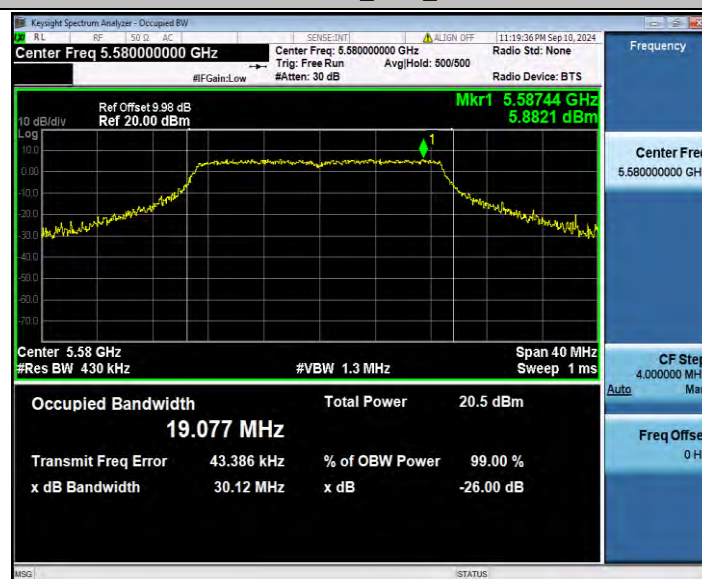




11N20SISO\_Ant1\_5500



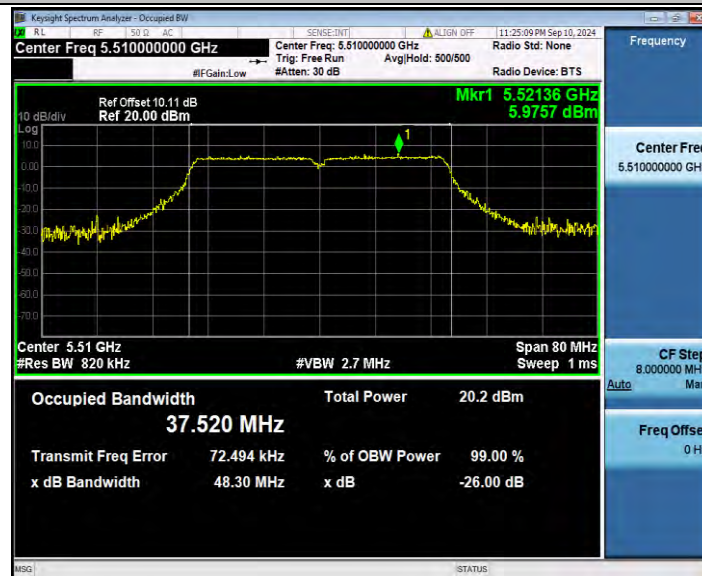
11N20SISO\_Ant1\_5580



## 11N20SISO\_Ant1\_5700



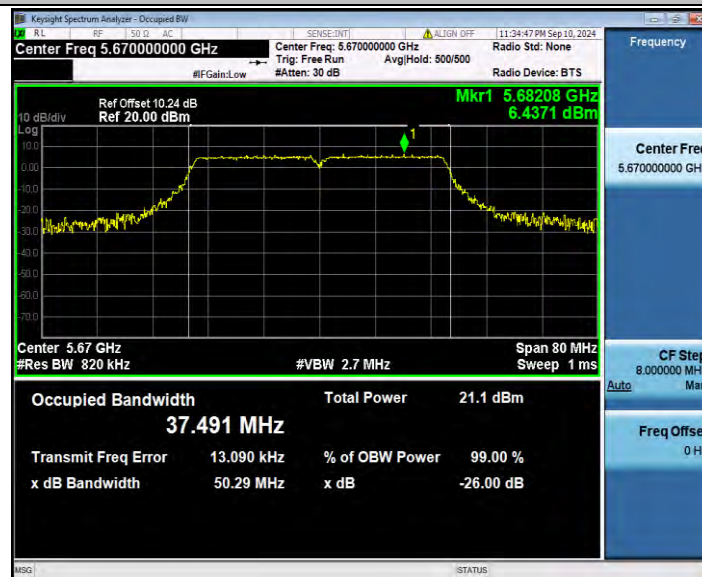
## 11N40SISO\_Ant1\_5510



## 11N40SISO\_Ant1\_5590



11N40SISO\_Ant1\_5670



11AC20SISO\_Ant1\_5500

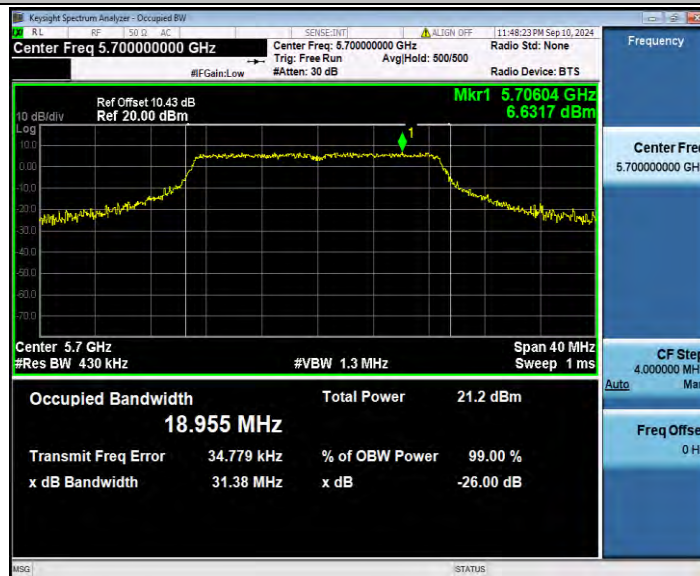




## 11AC20SISO\_Ant1\_5580



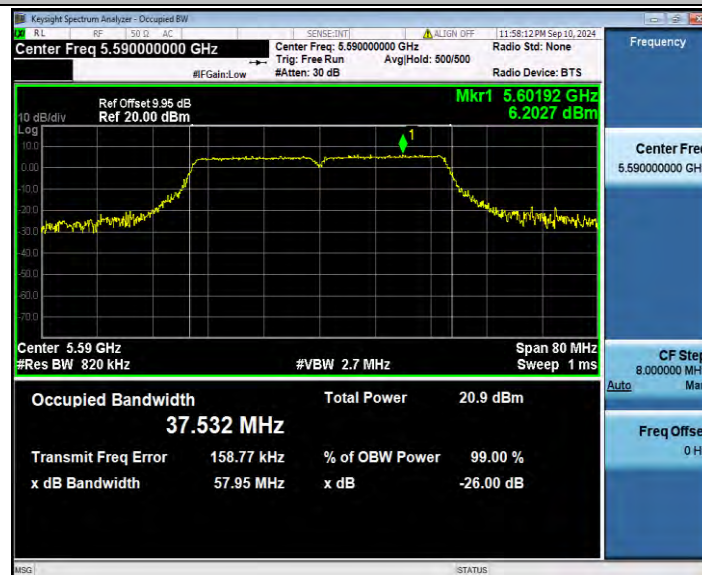
## 11AC20SISO\_Ant1\_5700



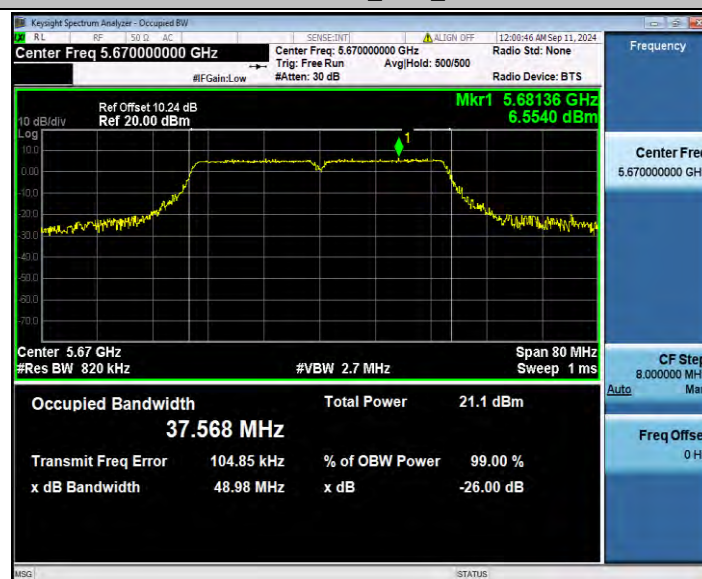
## 11AC40SISO\_Ant1\_5510



11AC40SISO\_Ant1\_5590



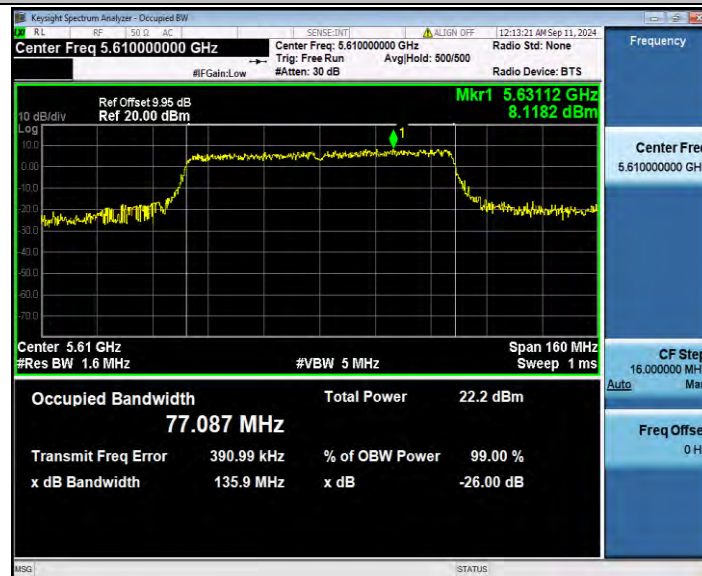
11AC40SISO\_Ant1\_5670



## 11AC80SISO\_Ant1\_5530



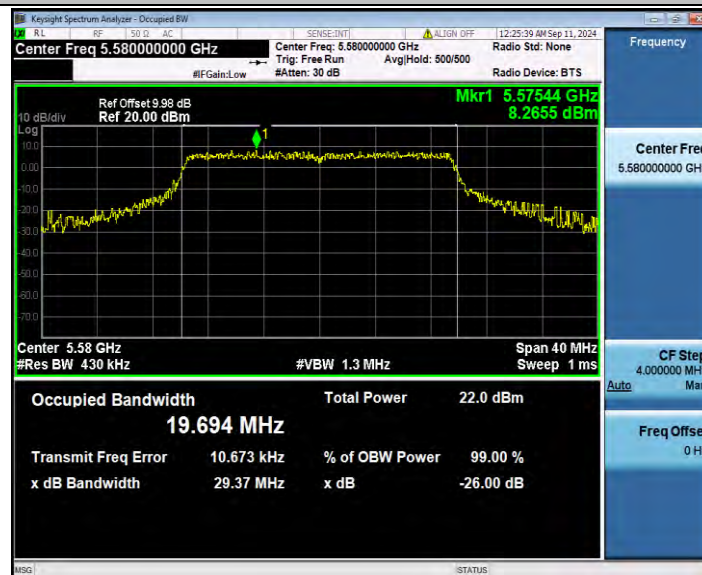
## 11AC80SISO\_Ant1\_5610



## 11AX20SISO\_Ant1\_5500



11AX20SISO\_Ant1\_5580

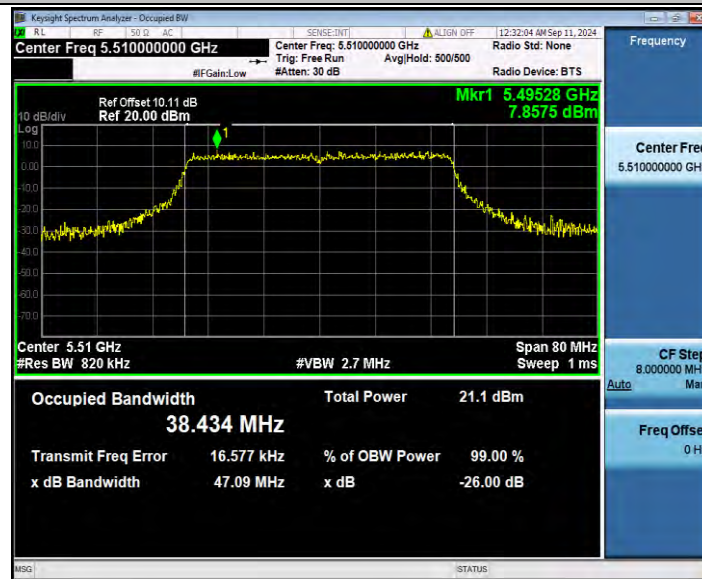


11AX20SISO\_Ant1\_5700

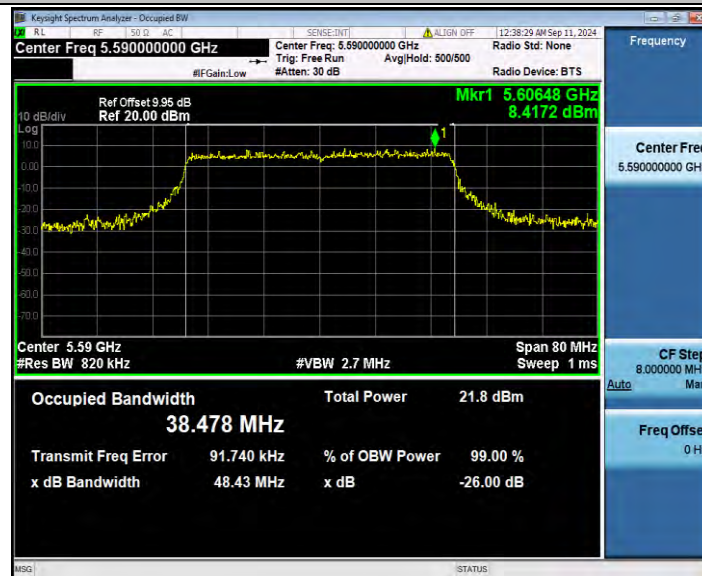




## 11AX40SISO\_Ant1\_5510



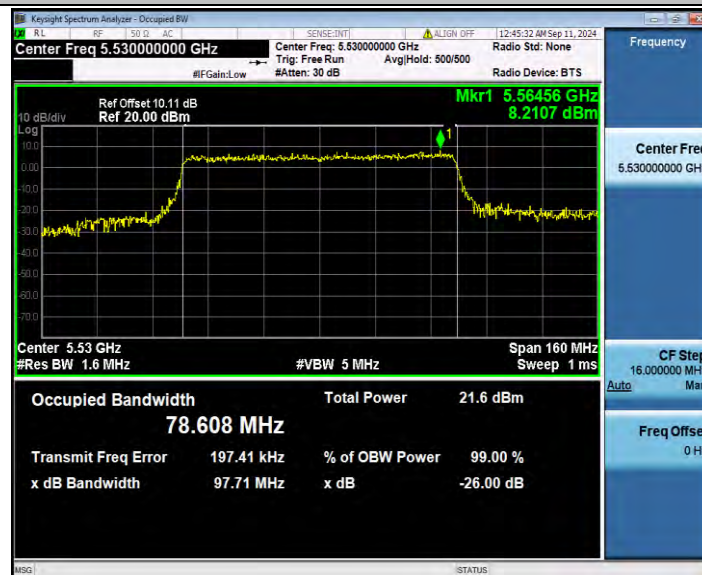
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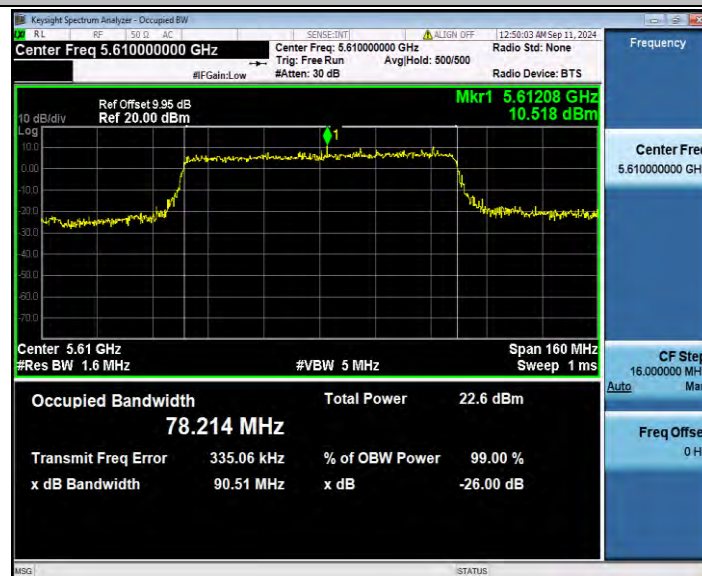
## 11AX40SISO\_Ant1\_5670



11AX80SISO\_Ant1\_5530



11AX80SISO\_Ant1\_5610

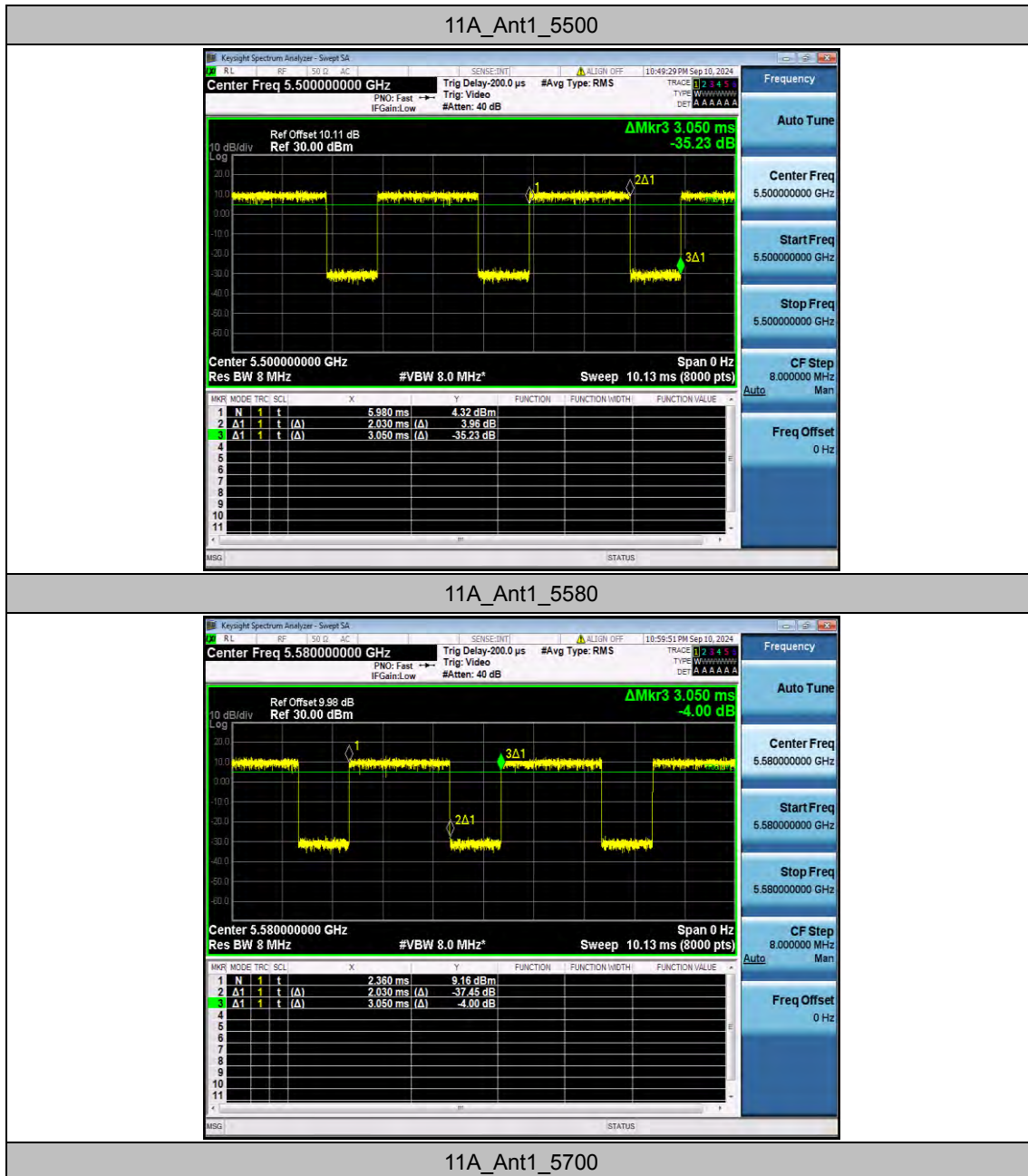


## Appendix F.3: Duty Cycle

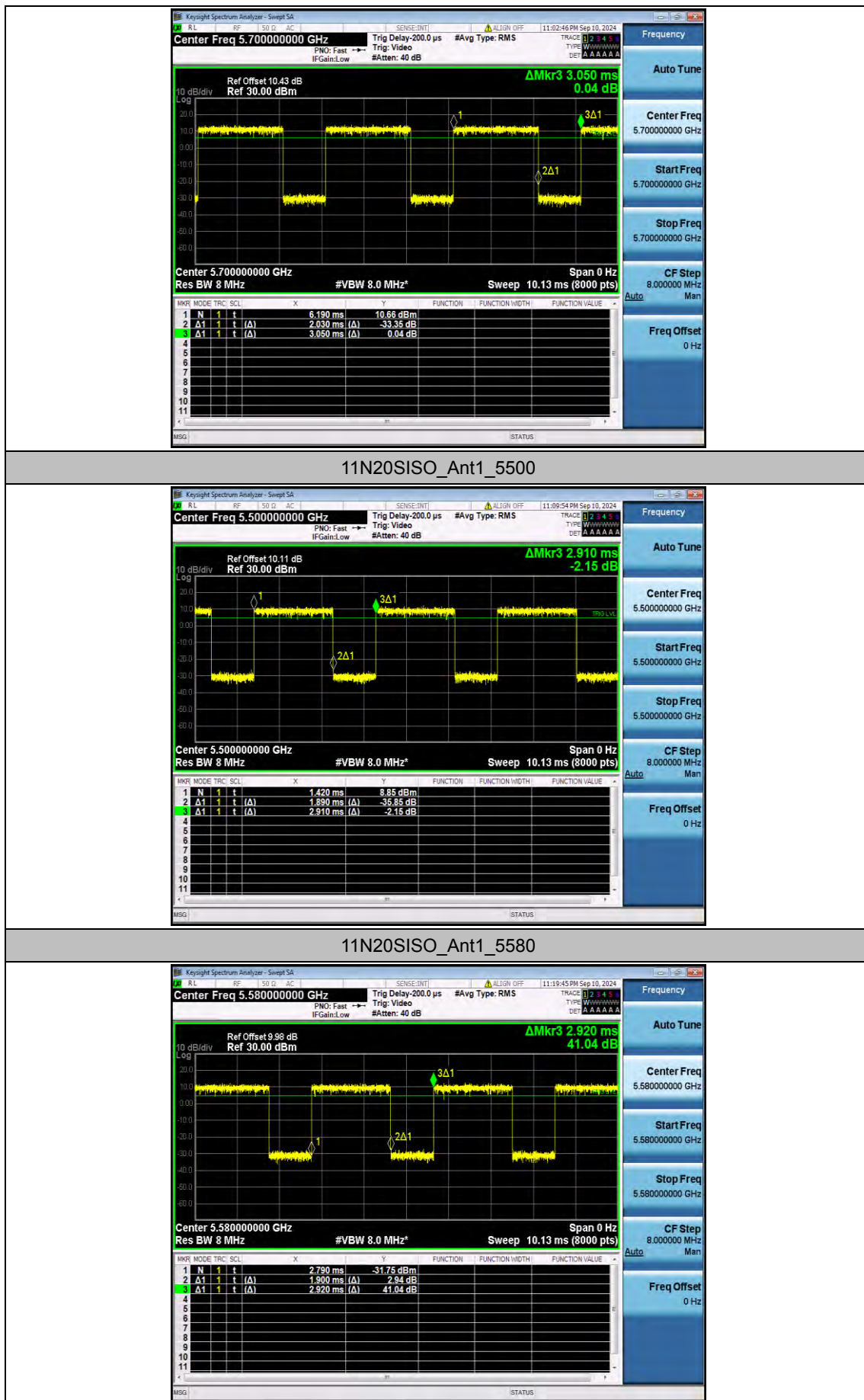
### Test Result

| 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                       | 3.05                     | 66.56          | 1.77                  | 0.49            |
|            |         | 5580      | 2.03                       | 3.05                     | 66.56          | 1.77                  | 0.49            |
|            |         | 5700      | 2.03                       | 3.05                     | 66.56          | 1.77                  | 0.49            |
| 11N20SISO  | Ant1    | 5500      | 1.89                       | 2.91                     | 64.95          | 1.87                  | 0.53            |
|            |         | 5580      | 1.90                       | 2.92                     | 65.07          | 1.87                  | 0.53            |
|            |         | 5700      | 1.89                       | 2.91                     | 64.95          | 1.87                  | 0.53            |
| 11N40SISO  | Ant1    | 5510      | 0.93                       | 1.95                     | 47.69          | 3.22                  | 1.08            |
|            |         | 5590      | 0.94                       | 1.96                     | 47.96          | 3.19                  | 1.06            |
|            |         | 5670      | 0.93                       | 1.96                     | 47.45          | 3.24                  | 1.08            |
| 11AC20SISO | Ant1    | 5500      | 1.90                       | 2.92                     | 65.07          | 1.87                  | 0.53            |
|            |         | 5580      | 1.90                       | 2.92                     | 65.07          | 1.87                  | 0.53            |
|            |         | 5700      | 1.90                       | 2.92                     | 65.07          | 1.87                  | 0.53            |
| 11AC40SISO | Ant1    | 5510      | 0.94                       | 1.96                     | 47.96          | 3.19                  | 1.06            |
|            |         | 5590      | 0.94                       | 1.96                     | 47.96          | 3.19                  | 1.06            |
|            |         | 5670      | 0.93                       | 1.95                     | 47.69          | 3.22                  | 1.08            |
| 11AC80SISO | Ant1    | 5530      | 0.45                       | 1.47                     | 30.61          | 5.14                  | 2.22            |
|            |         | 5610      | 0.45                       | 1.47                     | 30.61          | 5.14                  | 2.22            |
| 11AX20SISO | Ant1    | 5500      | 1.45                       | 2.48                     | 58.47          | 2.33                  | 0.69            |
|            |         | 5580      | 1.46                       | 2.48                     | 58.87          | 2.30                  | 0.68            |
|            |         | 5700      | 1.46                       | 2.48                     | 58.87          | 2.30                  | 0.68            |
| 11AX40SISO | Ant1    | 5510      | 0.76                       | 1.78                     | 42.70          | 3.70                  | 1.32            |
|            |         | 5590      | 0.76                       | 1.78                     | 42.70          | 3.70                  | 1.32            |
|            |         | 5670      | 0.76                       | 1.78                     | 42.70          | 3.70                  | 1.32            |
| 11AX80SISO | Ant1    | 5530      | 0.39                       | 1.41                     | 27.66          | 5.58                  | 2.56            |
|            |         | 5610      | 0.40                       | 1.42                     | 28.17          | 5.50                  | 2.50            |

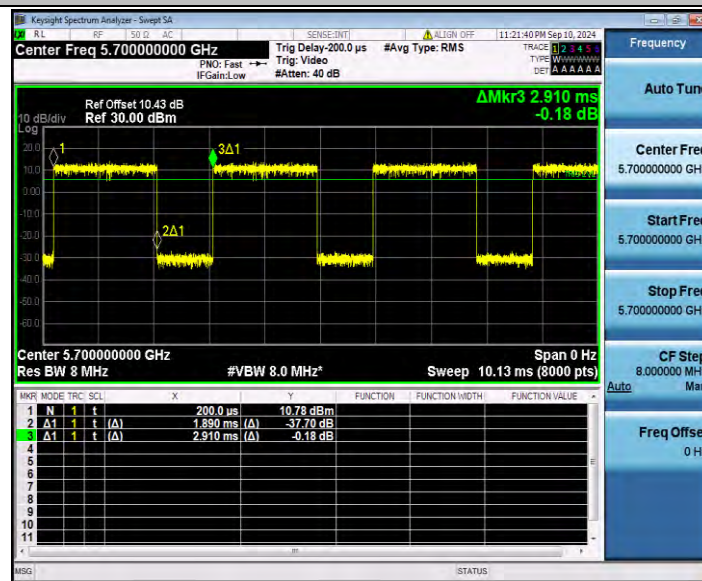
## Test Graphs



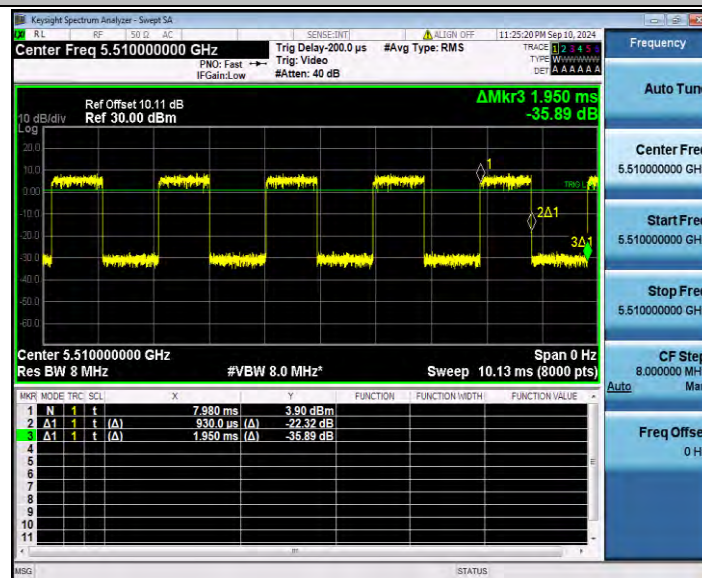




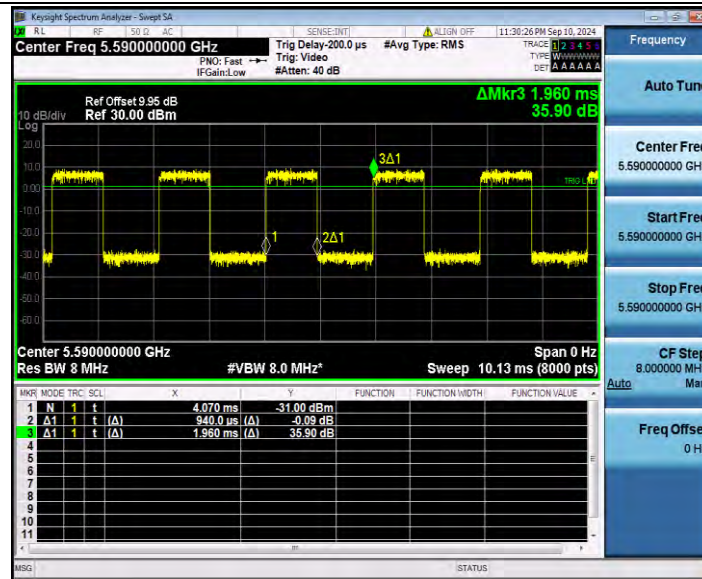
## 11N20SISO\_Ant1\_5700



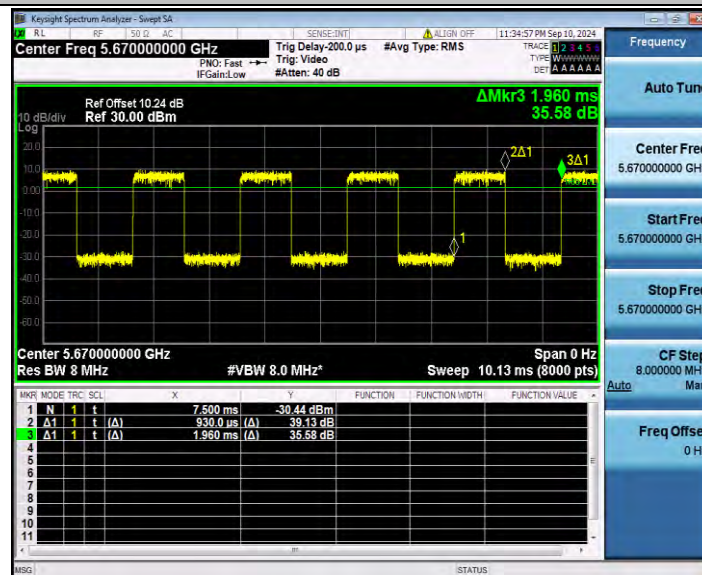
## 11N40SISO\_Ant1\_5510



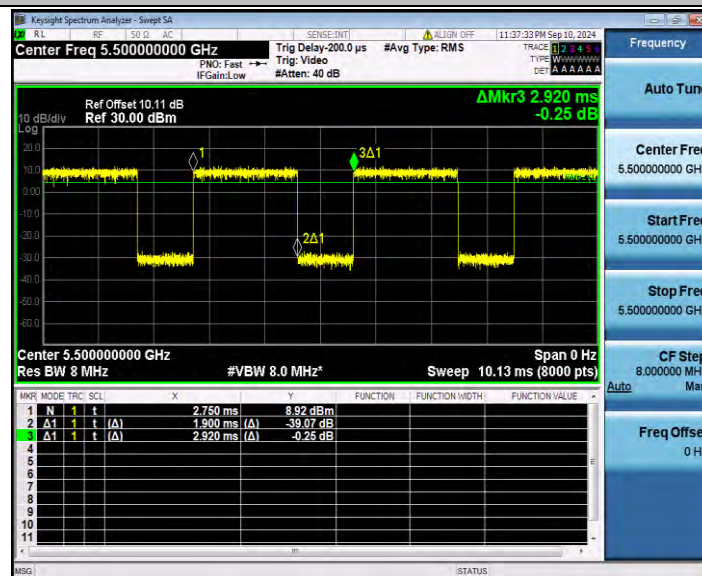
## 11N40SISO\_Ant1\_5590



11N40SISO\_Ant1\_5670

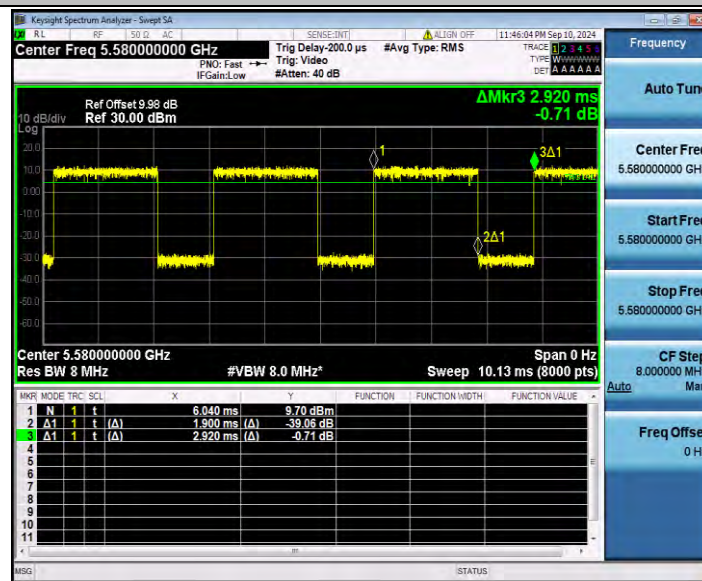


11AC20SISO\_Ant1\_5500

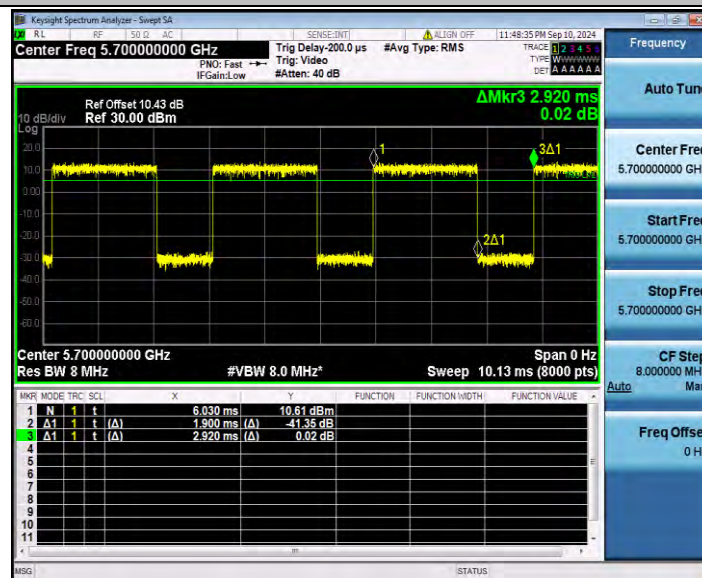




## 11AC20SISO\_Ant1\_5580

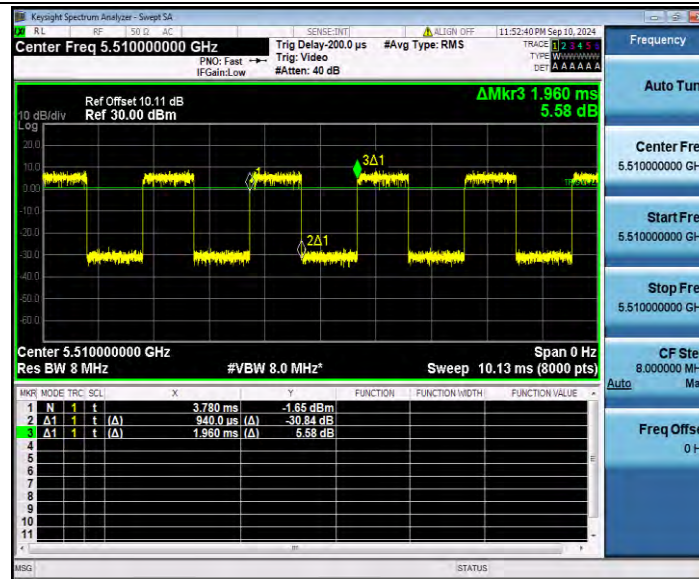


## 11AC20SISO\_Ant1\_5700

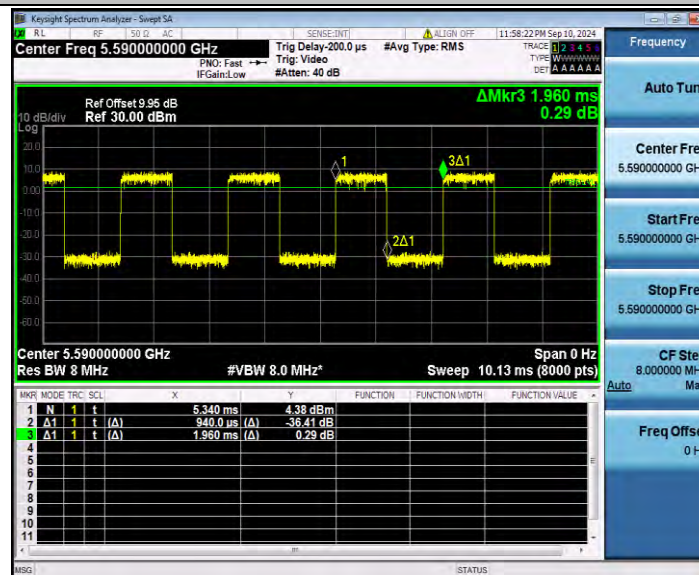


## 11AC40SISO\_Ant1\_5510

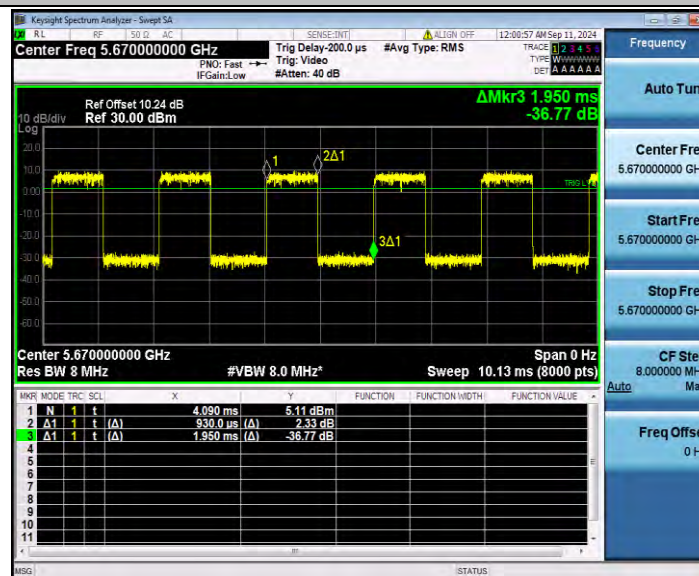




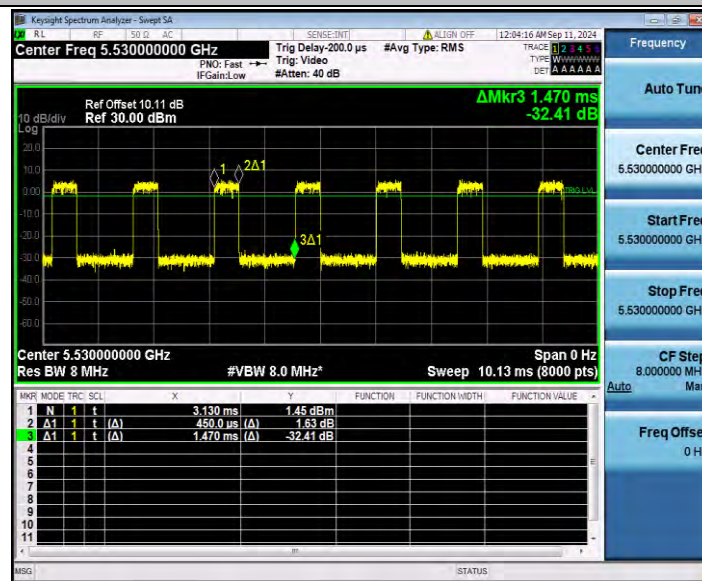
11AC40SISO\_Ant1\_5590



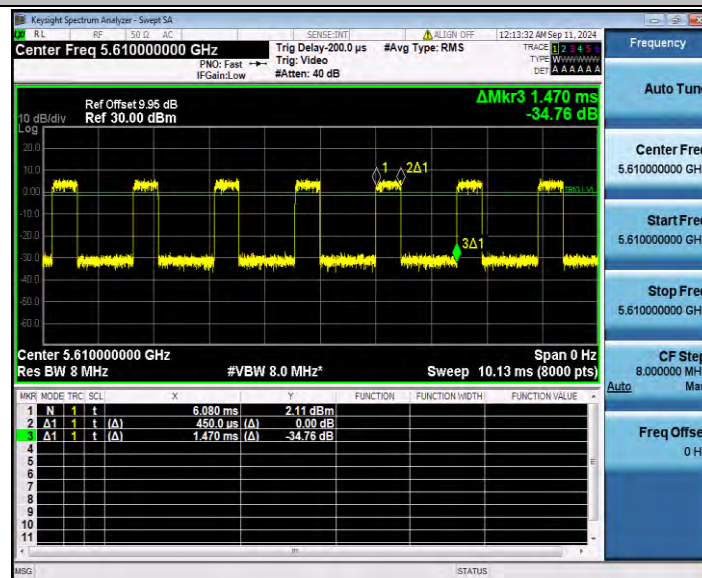
11AC40SISO\_Ant1\_5670



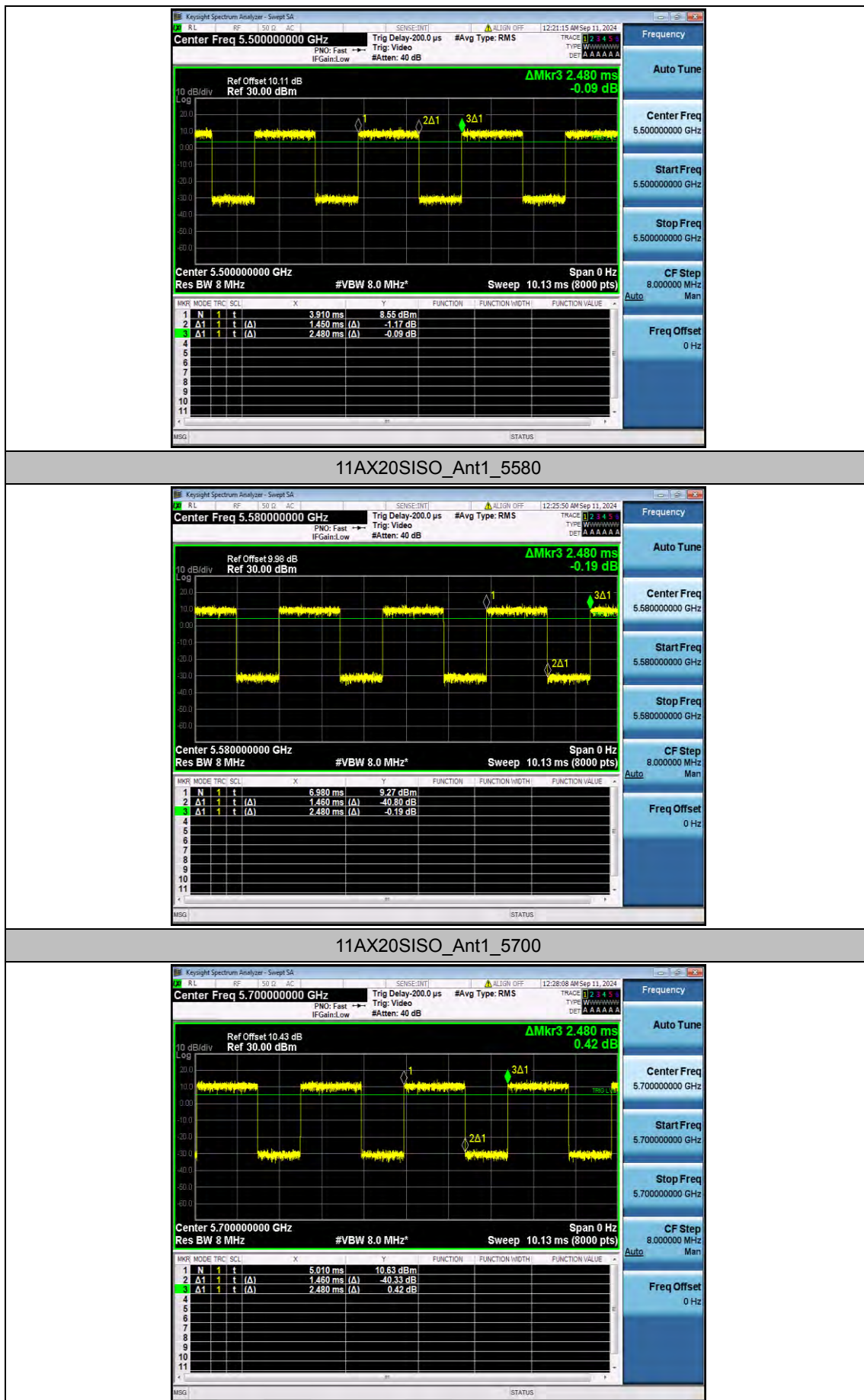
## 11AC80SISO\_Ant1\_5530



## 11AC80SISO\_Ant1\_5610

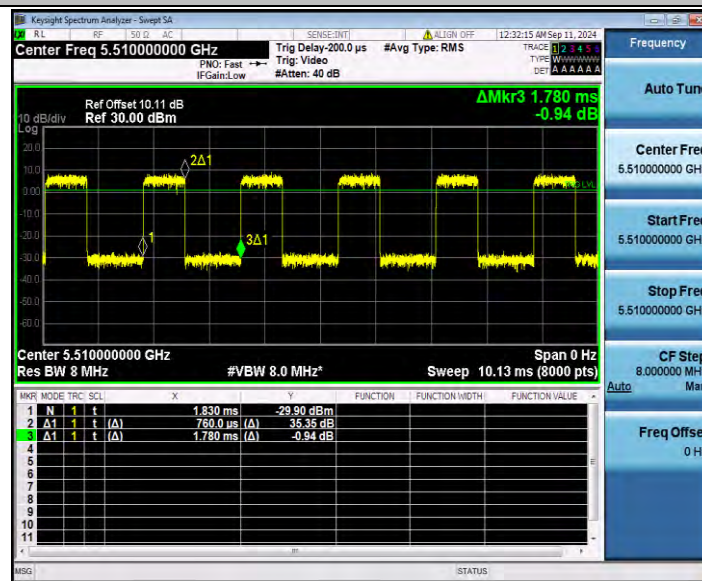


## 11AX20SISO\_Ant1\_5500

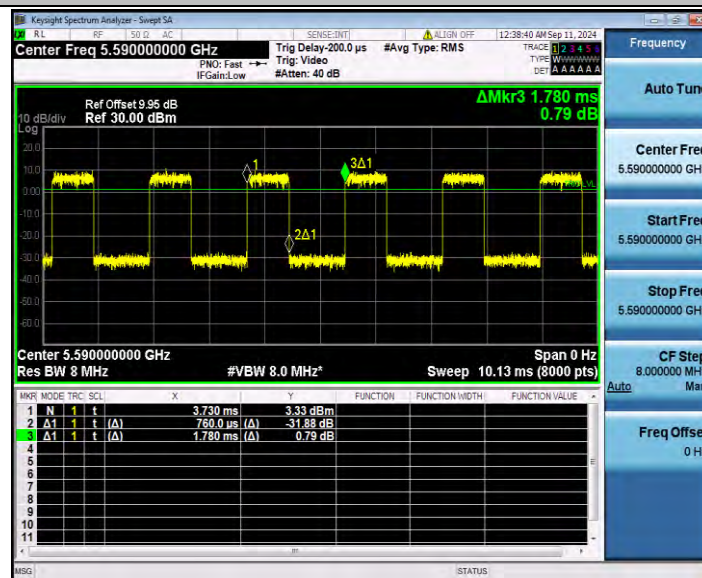




## 11AX40SISO\_Ant1\_5510



## 11AX40SISO\_Ant1\_5590



## 11AX40SISO\_Ant1\_5670



