

## **Appendix RF Test Data for 5GWIFI**

**FCC ID** : 2AAMS-D157Y

**Company** : SHENZHEN NST INDUSTRY AND TRADE CO.,LTD

**EUT** : Calendar

**Model Number** : D157Y

**Report No.** : CTA25073000502

**Reviewed By** : Eric Wang

## Appendix A1: Emission Bandwidth

### Test Result

| TestMode   | Antenna | Freq(MHz) | 26db EBW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|-----------|----------------|----------|----------|------------|---------|
| 11A        | Ant1    | 5180      | 22.120         | 5168.840 | 5190.960 | ---        | ---     |
|            |         | 5220      | 22.000         | 5209.400 | 5231.400 | ---        | ---     |
|            |         | 5240      | 21.840         | 5228.840 | 5250.680 | ---        | ---     |
|            |         | 5745      | 23.280         | 5733.160 | 5756.440 | ---        | ---     |
|            |         | 5785      | 22.960         | 5773.960 | 5796.920 | ---        | ---     |
|            |         | 5825      | 22.600         | 5813.400 | 5836.000 | ---        | ---     |
| 11N20SISO  | Ant1    | 5180      | 22.320         | 5168.880 | 5191.200 | ---        | ---     |
|            |         | 5220      | 22.040         | 5209.080 | 5231.120 | ---        | ---     |
|            |         | 5240      | 22.720         | 5228.720 | 5251.440 | ---        | ---     |
|            |         | 5745      | 22.640         | 5733.560 | 5756.200 | ---        | ---     |
|            |         | 5785      | 22.680         | 5773.960 | 5796.640 | ---        | ---     |
|            |         | 5825      | 23.120         | 5813.080 | 5836.200 | ---        | ---     |
| 11N40SISO  | Ant1    | 5190      | 42.800         | 5168.720 | 5211.520 | ---        | ---     |
|            |         | 5230      | 42.720         | 5208.720 | 5251.440 | ---        | ---     |
|            |         | 5755      | 44.640         | 5733.080 | 5777.720 | ---        | ---     |
|            |         | 5795      | 44.560         | 5773.320 | 5817.880 | ---        | ---     |
| 11AC20SISO | Ant1    | 5180      | 22.880         | 5168.480 | 5191.360 | ---        | ---     |
|            |         | 5220      | 22.520         | 5208.920 | 5231.440 | ---        | ---     |
|            |         | 5240      | 22.560         | 5228.800 | 5251.360 | ---        | ---     |
|            |         | 5745      | 23.200         | 5732.800 | 5756.000 | ---        | ---     |
|            |         | 5785      | 22.440         | 5774.120 | 5796.560 | ---        | ---     |
|            |         | 5825      | 23.360         | 5813.120 | 5836.480 | ---        | ---     |
| 11AC40SISO | Ant1    | 5190      | 43.520         | 5169.200 | 5212.720 | ---        | ---     |
|            |         | 5230      | 42.240         | 5209.200 | 5251.440 | ---        | ---     |
|            |         | 5755      | 43.680         | 5734.120 | 5777.800 | ---        | ---     |
|            |         | 5795      | 44.480         | 5773.320 | 5817.800 | ---        | ---     |
| 11AC80SISO | Ant1    | 5210      | 84.640         | 5167.920 | 5252.560 | ---        | ---     |
|            |         | 5775      | 83.680         | 5733.560 | 5817.240 | ---        | ---     |
| 11AX20SISO | Ant1    | 5180      | 22.120         | 5169.160 | 5191.280 | ---        | ---     |
|            |         | 5220      | 22.840         | 5208.600 | 5231.440 | ---        | ---     |
|            |         | 5240      | 22.920         | 5228.800 | 5251.720 | ---        | ---     |
|            |         | 5745      | 23.240         | 5733.360 | 5756.600 | ---        | ---     |
|            |         | 5785      | 23.080         | 5773.960 | 5797.040 | ---        | ---     |
|            |         | 5825      | 23.640         | 5812.840 | 5836.480 | ---        | ---     |
| 11AX40SISO | Ant1    | 5190      | 40.800         | 5169.600 | 5210.400 | ---        | ---     |
|            |         | 5230      | 42.400         | 5208.960 | 5251.360 | ---        | ---     |
|            |         | 5755      | 44.240         | 5733.400 | 5777.640 | ---        | ---     |

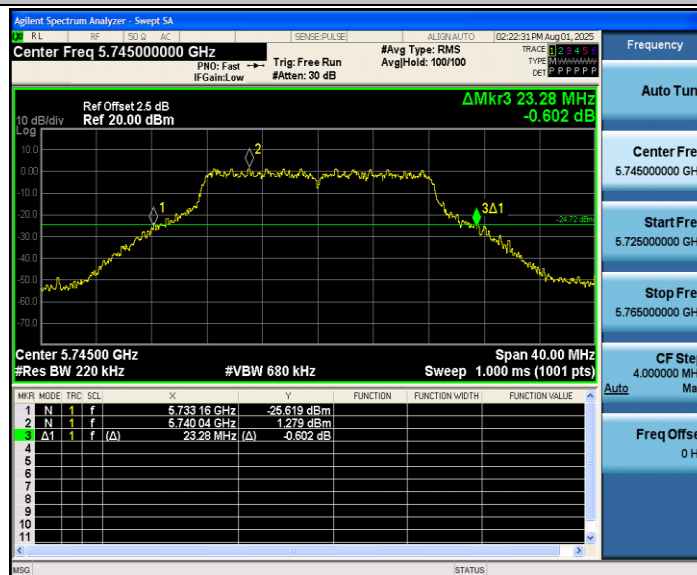
|            |      |      |        |          |          |     |     |
|------------|------|------|--------|----------|----------|-----|-----|
|            |      | 5795 | 43.680 | 5773.720 | 5817.400 | --- | --- |
| 11AX80SISO | Ant1 | 5210 | 80.800 | 5169.680 | 5250.480 | --- | --- |
|            |      | 5775 | 81.760 | 5734.360 | 5816.120 | --- | --- |

Test Graphs





11A\_Ant1\_5745



11A\_Ant1\_5785



# 11A\_Ant1\_5825



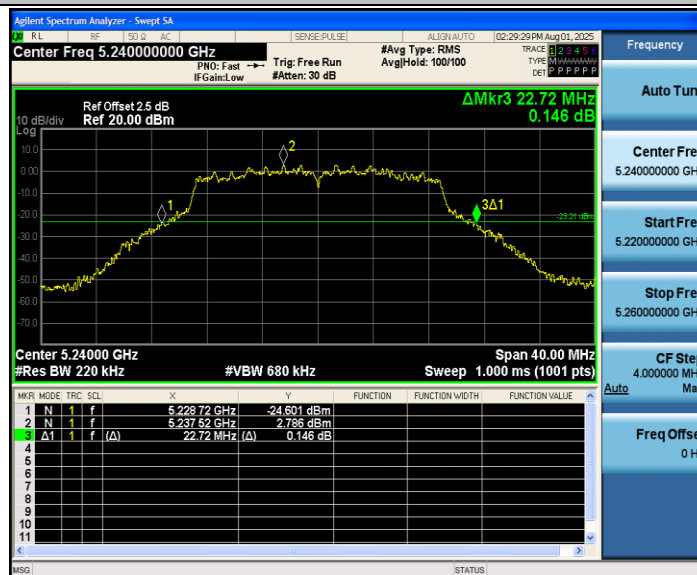
# 11N20SISO\_Ant1\_5180



# 11N20SISO\_Ant1\_5220



11N20SISO\_Ant1\_5240



11N20SISO\_Ant1\_5745



# 11N20SISO\_Ant1\_5785



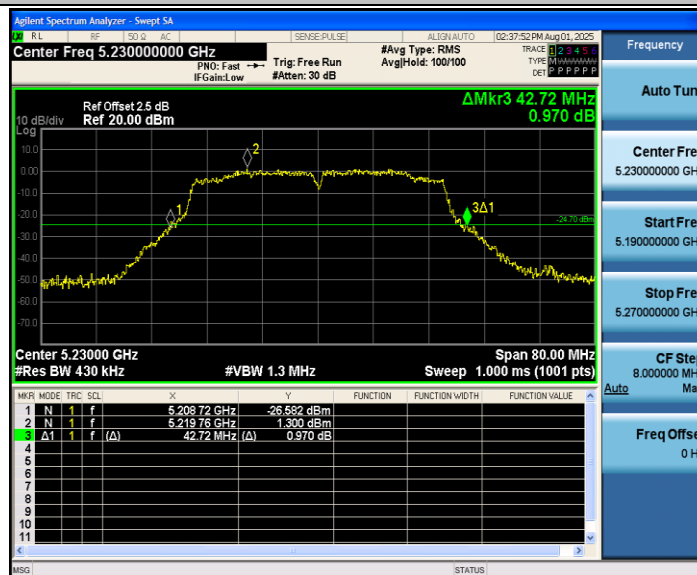
# 11N20SISO\_Ant1\_5825



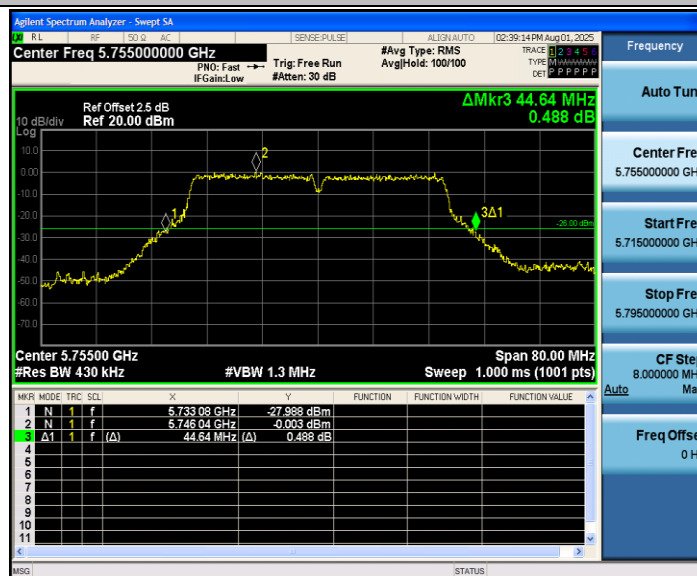
# 11N40SISO\_Ant1\_5190



11N40SISO\_Ant1\_5230



11N40SISO\_Ant1\_5755



# 11N40SISO\_Ant1\_5795



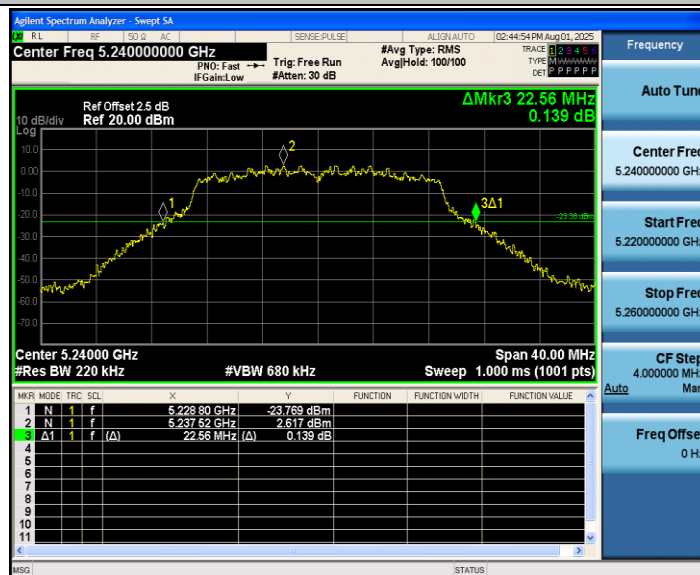
# 11AC20SISO\_Ant1\_5180



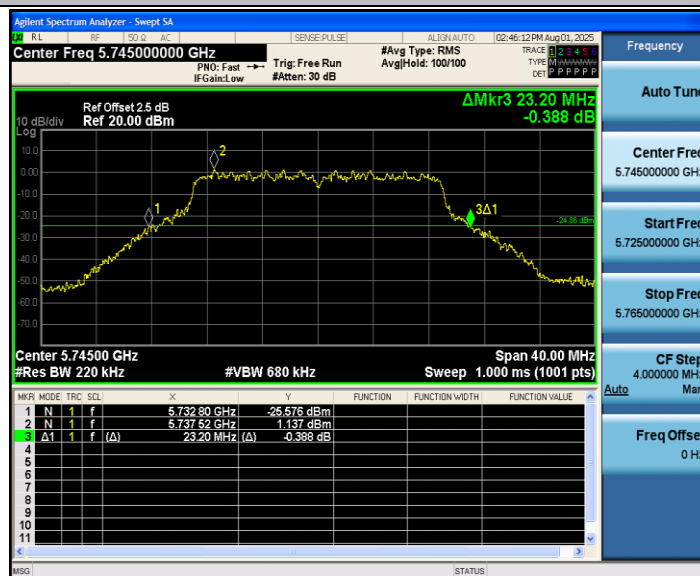
# 11AC20SISO\_Ant1\_5220



11AC20SISO\_Ant1\_5240



11AC20SISO\_Ant1\_5745



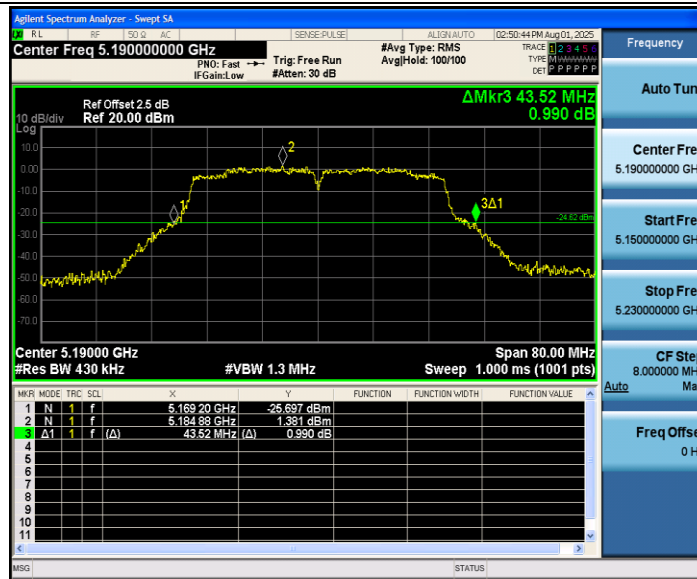
# 11AC20SISO\_Ant1\_5785



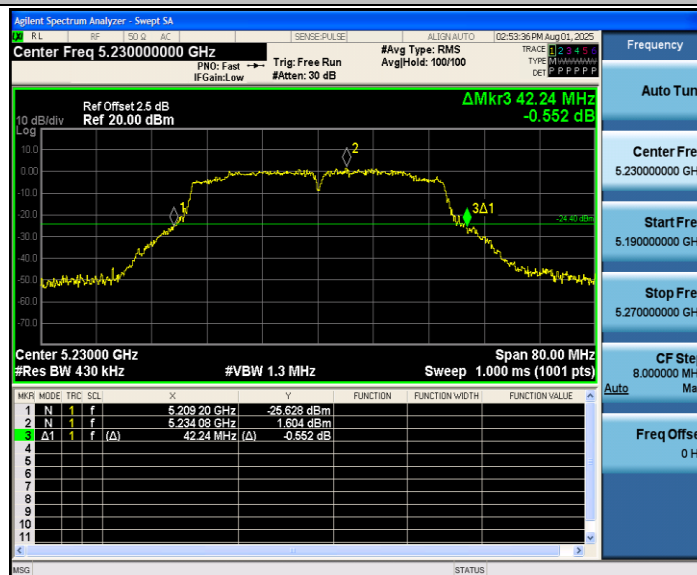
# 11AC20SISO\_Ant1\_5825



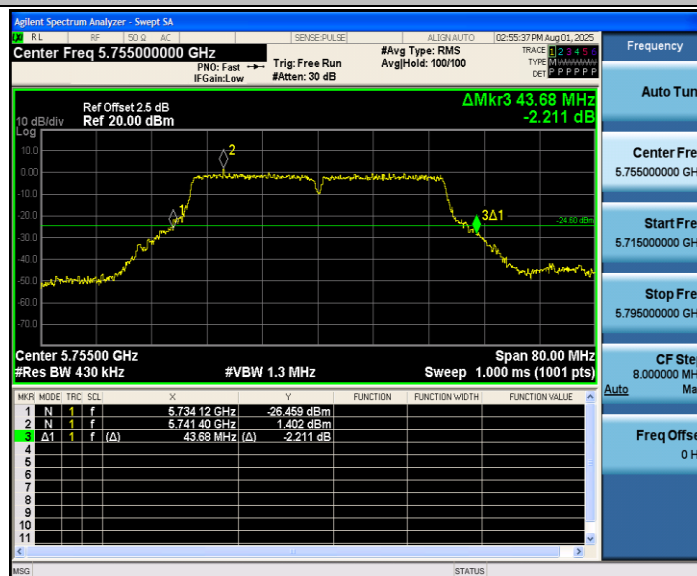
# 11AC40SISO\_Ant1\_5190



11AC40SISO\_Ant1\_5230



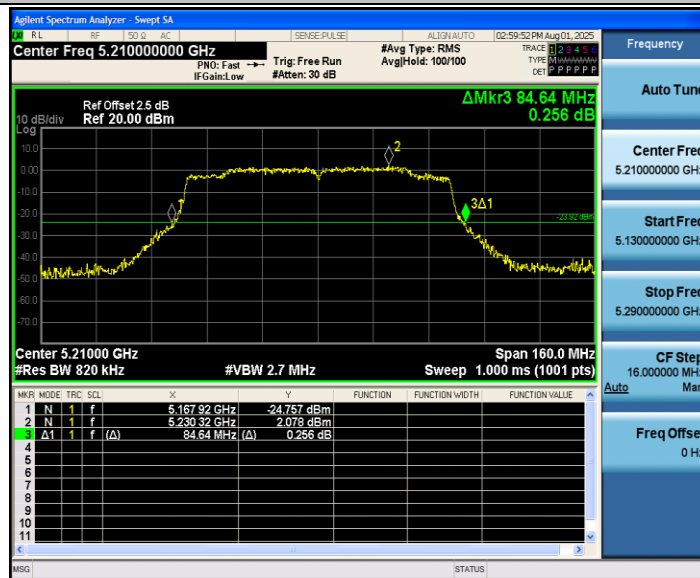
11AC40SISO\_Ant1\_5755



# 11AC40SISO\_Ant1\_5795



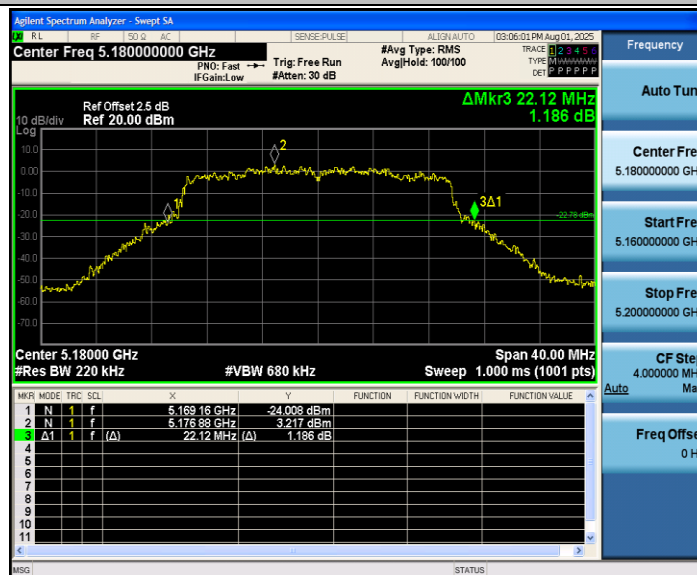
# 11AC80SISO\_Ant1\_5210



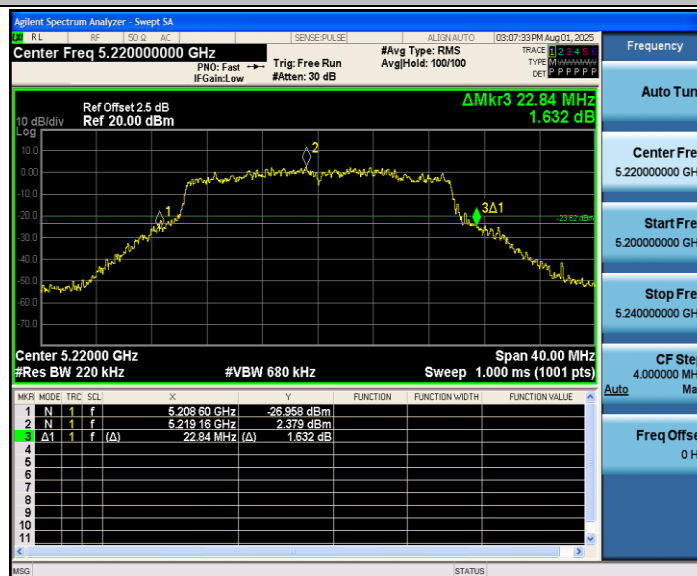
# 11AC80SISO\_Ant1\_5775



11AX20SISO\_Ant1\_5180



11AX20SISO\_Ant1\_5220



# 11AX20SISO\_Ant1\_5240



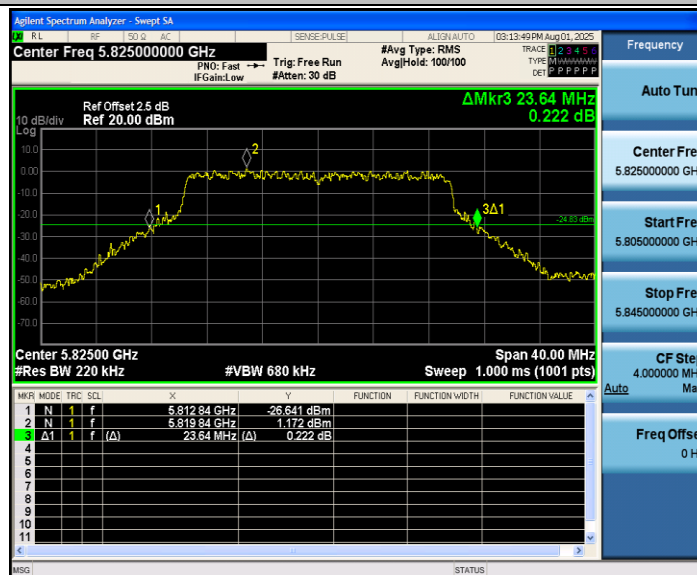
# 11AX20SISO\_Ant1\_5745



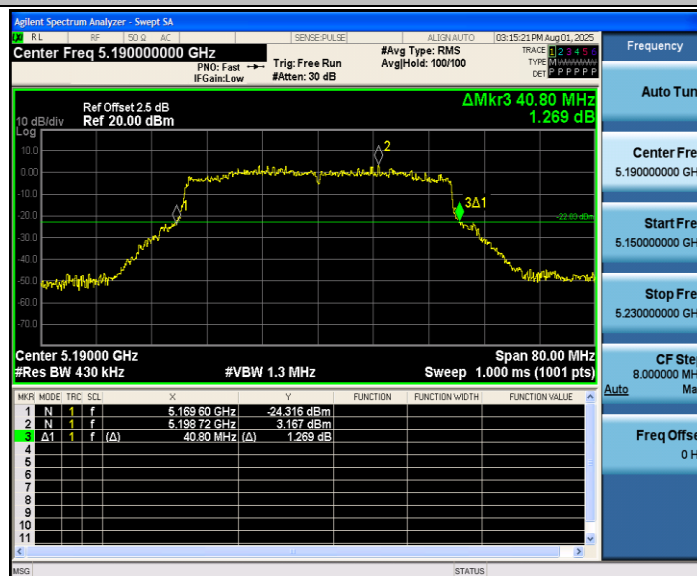
# 11AX20SISO\_Ant1\_5785



11AX20SISO\_Ant1\_5825



11AX40SISO\_Ant1\_5190



# 11AX40SISO\_Ant1\_5230



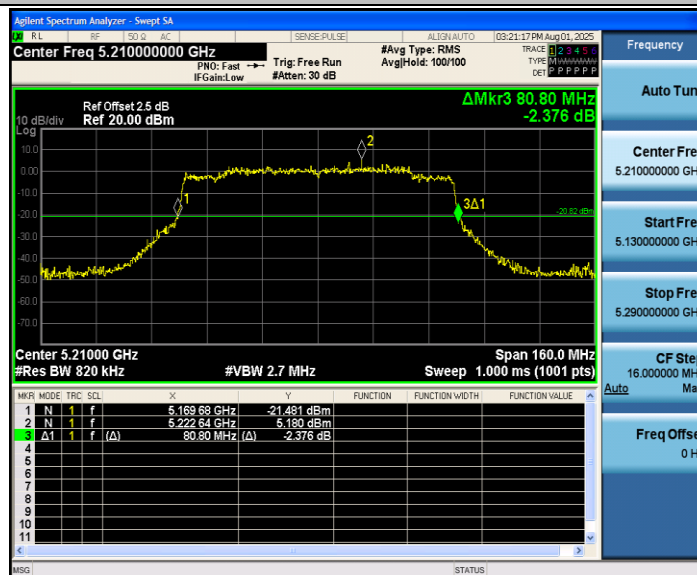
# 11AX40SISO\_Ant1\_5755



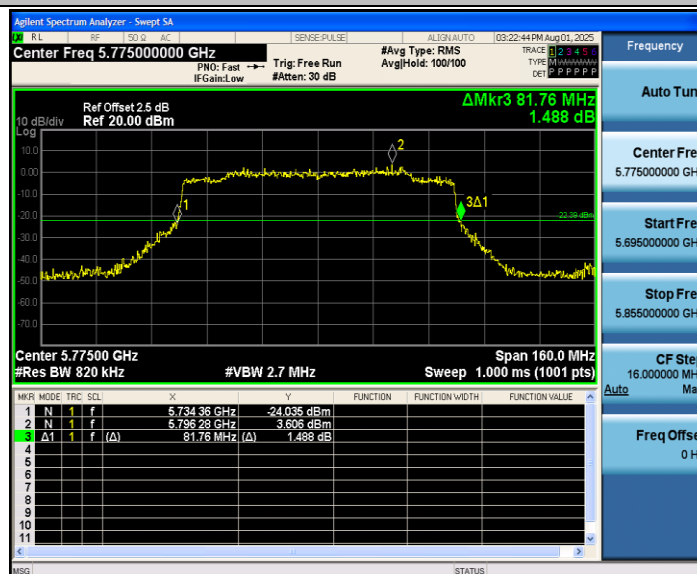
# 11AX40SISO\_Ant1\_5795



11AX80SISO\_Ant1\_5210



11AX80SISO\_Ant1\_5775





## Appendix A2: Occupied channel bandwidth

### Test Result

| TestMode   | Antenna | Freq(MHz) | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|------------|---------|-----------|-----------|-----------|-----------|------------|---------|
| 11A        | Ant1    | 5180      | 16.998    | 5171.4898 | 5188.4878 | ---        | ---     |
|            |         | 5220      | 16.923    | 5211.6588 | 5228.5818 | ---        | ---     |
|            |         | 5240      | 16.949    | 5231.5559 | 5248.5049 | ---        | ---     |
|            |         | 5745      | 17.291    | 5736.3434 | 5753.6344 | ---        | ---     |
|            |         | 5785      | 17.377    | 5776.4533 | 5793.8303 | ---        | ---     |
|            |         | 5825      | 17.279    | 5816.3632 | 5833.6422 | ---        | ---     |
| 11N20SISO  | Ant1    | 5180      | 18.004    | 5170.9916 | 5188.9956 | ---        | ---     |
|            |         | 5220      | 17.989    | 5211.1009 | 5229.0899 | ---        | ---     |
|            |         | 5240      | 17.951    | 5231.0266 | 5248.9776 | ---        | ---     |
|            |         | 5745      | 18.376    | 5735.8060 | 5754.1820 | ---        | ---     |
|            |         | 5785      | 18.341    | 5775.9058 | 5794.2468 | ---        | ---     |
|            |         | 5825      | 18.331    | 5815.8070 | 5834.1380 | ---        | ---     |
| 11N40SISO  | Ant1    | 5190      | 36.232    | 5171.9609 | 5208.1929 | ---        | ---     |
|            |         | 5230      | 36.136    | 5212.0002 | 5248.1362 | ---        | ---     |
|            |         | 5755      | 36.830    | 5736.6531 | 5773.4831 | ---        | ---     |
|            |         | 5795      | 36.637    | 5776.7866 | 5813.4236 | ---        | ---     |
| 11AC20SISO | Ant1    | 5180      | 18.024    | 5170.9687 | 5188.9927 | ---        | ---     |
|            |         | 5220      | 18.000    | 5211.1174 | 5229.1174 | ---        | ---     |
|            |         | 5240      | 17.935    | 5231.0518 | 5248.9868 | ---        | ---     |
|            |         | 5745      | 18.322    | 5735.7981 | 5754.1201 | ---        | ---     |
|            |         | 5785      | 18.316    | 5775.9525 | 5794.2685 | ---        | ---     |
|            |         | 5825      | 18.331    | 5815.8257 | 5834.1567 | ---        | ---     |
| 11AC40SISO | Ant1    | 5190      | 36.251    | 5171.9399 | 5208.1909 | ---        | ---     |
|            |         | 5230      | 36.080    | 5212.0638 | 5248.1438 | ---        | ---     |
|            |         | 5755      | 36.826    | 5736.6414 | 5773.4674 | ---        | ---     |
|            |         | 5795      | 36.551    | 5776.8467 | 5813.3977 | ---        | ---     |
| 11AC80SISO | Ant1    | 5210      | 75.138    | 5172.5020 | 5247.6400 | ---        | ---     |
|            |         | 5775      | 75.302    | 5737.4584 | 5812.7604 | ---        | ---     |
| 11AX20SISO | Ant1    | 5180      | 19.032    | 5170.4901 | 5189.5221 | ---        | ---     |
|            |         | 5220      | 19.027    | 5210.5403 | 5229.5673 | ---        | ---     |
|            |         | 5240      | 18.957    | 5230.5592 | 5249.5162 | ---        | ---     |
|            |         | 5745      | 19.220    | 5735.4017 | 5754.6217 | ---        | ---     |
|            |         | 5785      | 19.229    | 5775.4556 | 5794.6846 | ---        | ---     |
|            |         | 5825      | 19.179    | 5815.4217 | 5834.6007 | ---        | ---     |
| 11AX40SISO | Ant1    | 5190      | 37.678    | 5171.2566 | 5208.9346 | ---        | ---     |
|            |         | 5230      | 37.585    | 5211.3303 | 5248.9153 | ---        | ---     |
|            |         | 5755      | 38.127    | 5736.0280 | 5774.1550 | ---        | ---     |

|            |      |      |        |           |           |     |     |
|------------|------|------|--------|-----------|-----------|-----|-----|
|            |      | 5795 | 37.991 | 5776.0993 | 5814.0903 | --- | --- |
| 11AX80SISO | Ant1 | 5210 | 76.715 | 5171.7098 | 5248.4248 | --- | --- |
|            |      | 5775 | 76.883 | 5736.6725 | 5813.5555 | --- | --- |

## Test Graphs

11A\_Ant1\_5180



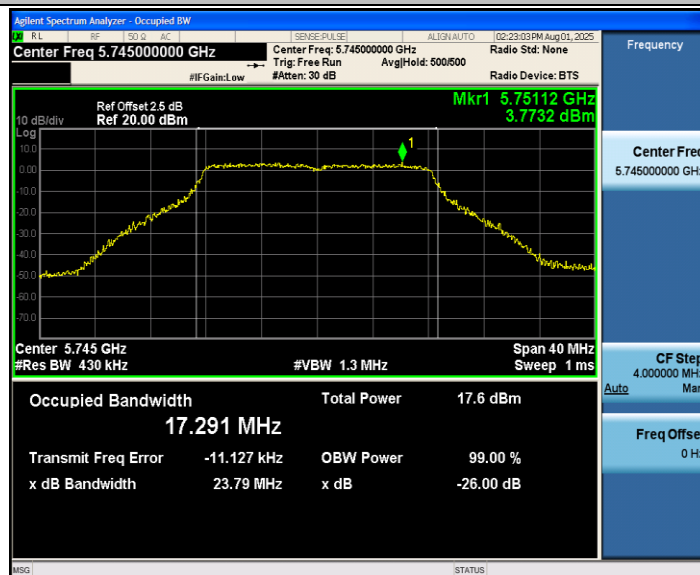
11A\_Ant1\_5220



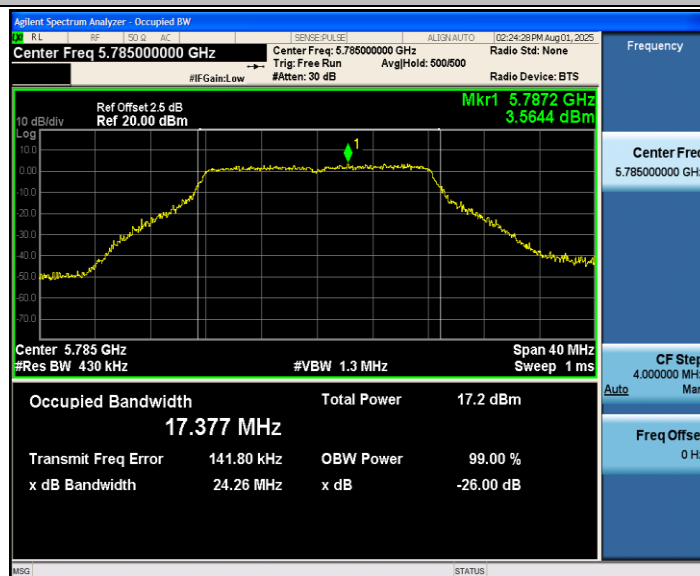
11A\_Ant1\_5240



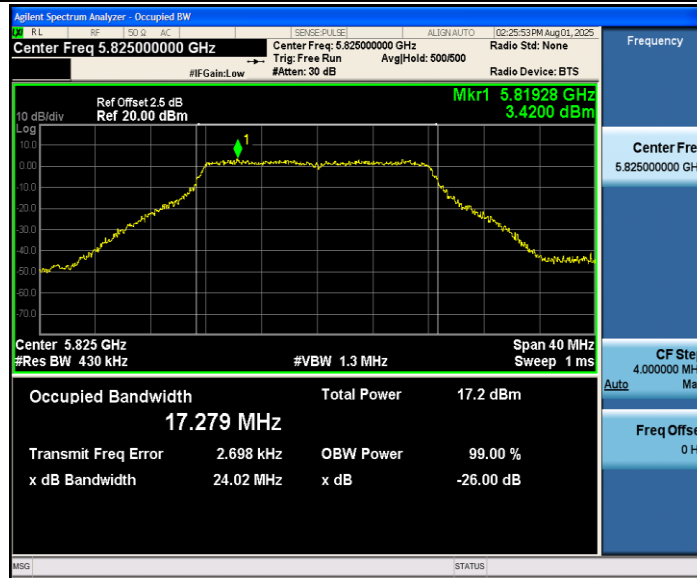
11A\_Ant1\_5745



11A\_Ant1\_5785



# 11A\_Ant1\_5825



# 11N20SISO\_Ant1\_5180



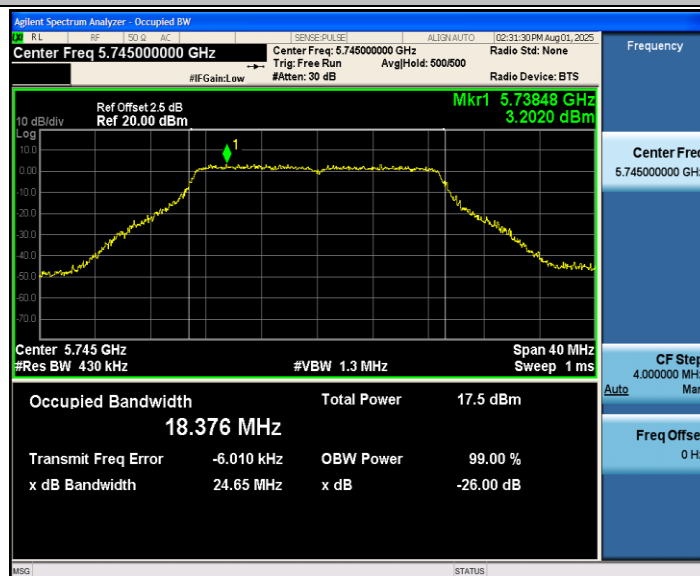
# 11N20SISO\_Ant1\_5220



11N20SISO\_Ant1\_5240



11N20SISO\_Ant1\_5745



### 11N20SISO\_Ant1\_5785



### 11N20SISO\_Ant1\_5825



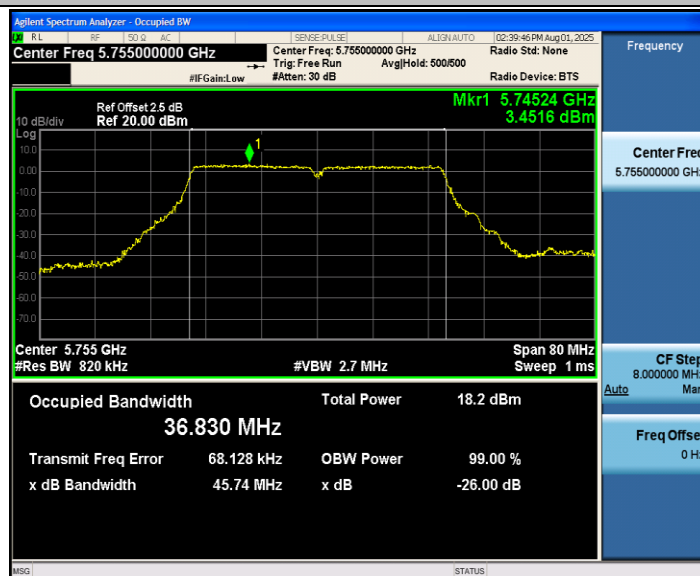
### 11N40SISO\_Ant1\_5190



11N40SISO\_Ant1\_5230



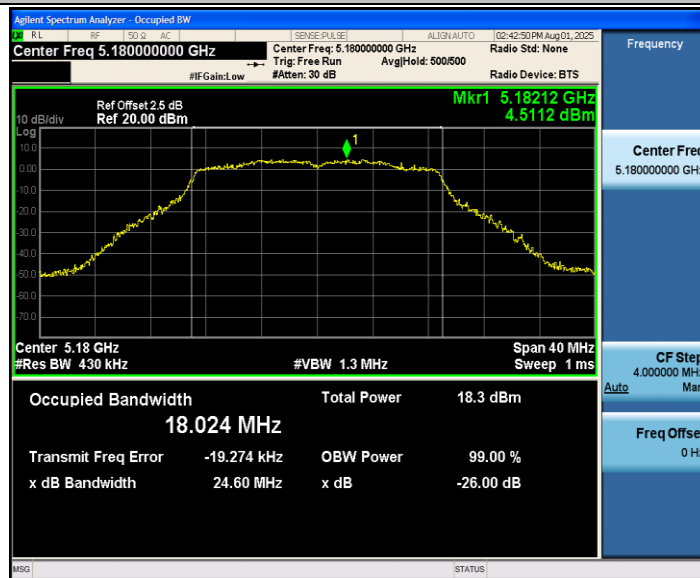
11N40SISO\_Ant1\_5755



### 11N40SISO\_Ant1\_5795



### 11AC20SISO\_Ant1\_5180



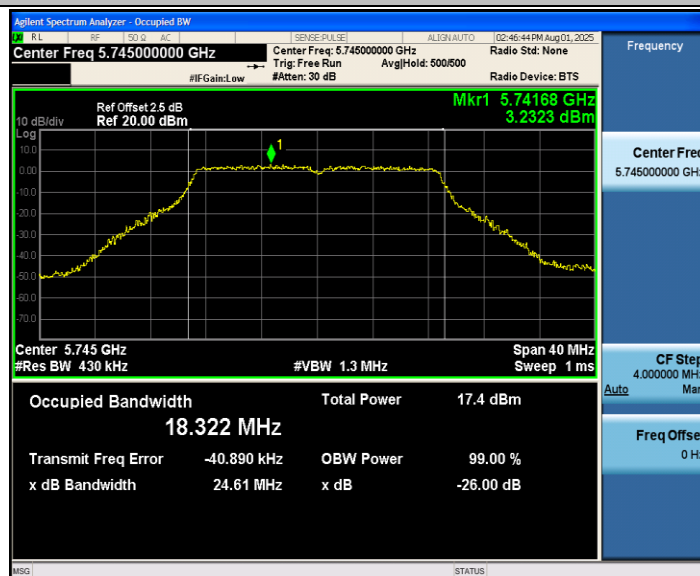
### 11AC20SISO\_Ant1\_5220



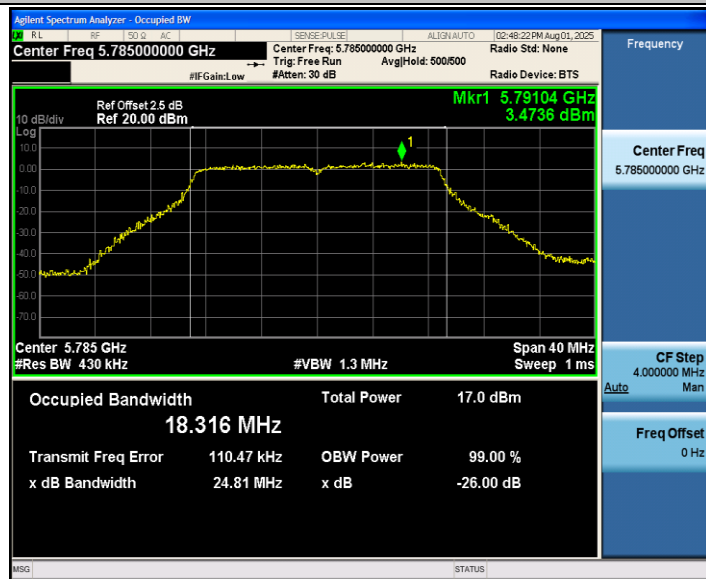
11AC20SISO\_Ant1\_5240



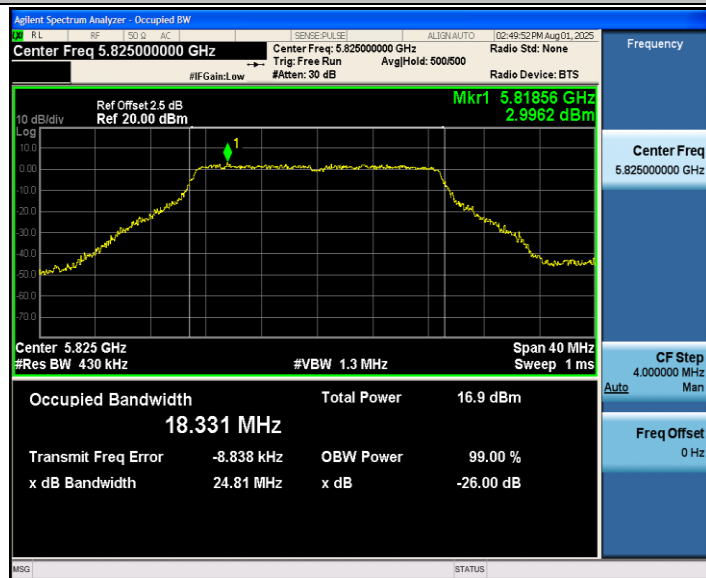
11AC20SISO\_Ant1\_5745



11AC20SISO\_Ant1\_5785



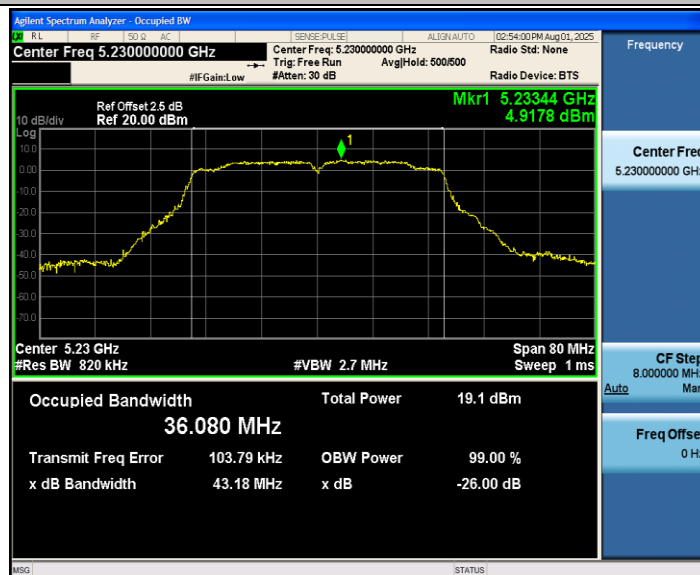
11AC20SISO\_Ant1\_5825



11AC40SISO\_Ant1\_5190



11AC40SISO\_Ant1\_5230



11AC40SISO\_Ant1\_5755

