# Appendix Test Data

| | | | |
|---|---|---|---|
| Report No.: | 1813C50041212504 | Test Sample No.: | 1-2-2 |
| Start Test Date: | 2025.02.24 | Finish Test Date: | 2025.02.25 |
| Test Engineer: | Alex Peng | Auditor: | Justin Feng |
| Temperature: | 25.3℃ | Relative Humidity: | 49% |
| Pressure: | 101kPa | | |

## Appendix A1: 26dB Bandwidth

### Test Result

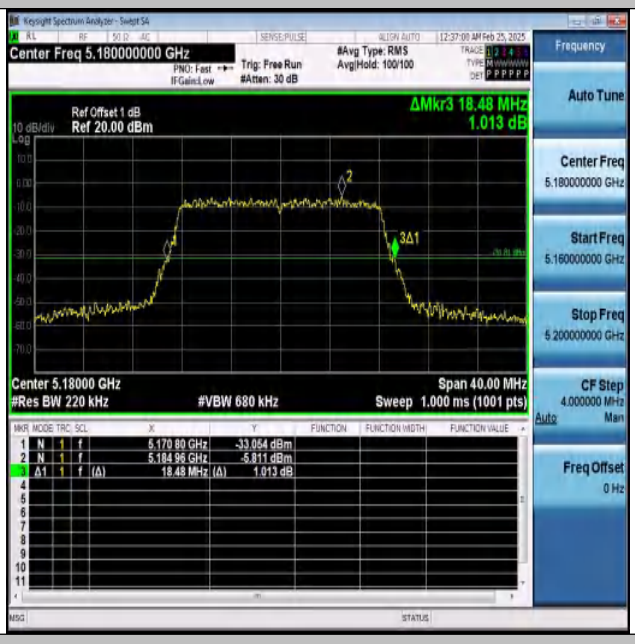
| Test Mode | Antenna | Frequency [MHz] | 26db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|---|---|---|---|---|---|---|---|
| 11A | Ant1 | 5180 | 18.120 | 5171.040 | 5189.160 | --- | --- |
| 11A | Ant2 | 5180 | 18.480 | 5170.800 | 5189.280 | --- | --- |
| 11A | Ant1 | 5200 | 18.280 | 5190.840 | 5209.120 | --- | --- |
| 11A | Ant2 | 5200 | 18.280 | 5190.800 | 5209.080 | --- | --- |
| 11A | Ant1 | 5240 | 18.360 | 5230.800 | 5249.160 | --- | --- |
| 11A | Ant2 | 5240 | 18.400 | 5230.800 | 5249.200 | --- | --- |
| 11A | Ant1 | 5745 | 18.120 | 5735.920 | 5754.040 | --- | --- |
| 11A | Ant2 | 5745 | 18.440 | 5735.760 | 5754.200 | --- | --- |
| 11A | Ant1 | 5785 | 18.200 | 5775.960 | 5794.160 | --- | --- |
| 11A | Ant2 | 5785 | 18.200 | 5775.960 | 5794.160 | --- | --- |
| 11A | Ant1 | 5825 | 18.240 | 5815.920 | 5834.160 | --- | --- |
| 11A | Ant2 | 5825 | 18.200 | 5815.880 | 5834.080 | --- | --- |
| 11N20MIMO | Ant1 | 5180 | 19.200 | 5170.280 | 5189.480 | --- | --- |
| 11N20MIMO | Ant2 | 5180 | 19.360 | 5170.200 | 5189.560 | --- | --- |
| 11N20MIMO | Ant1 | 5200 | 19.320 | 5190.240 | 5209.560 | --- | --- |
| 11N20MIMO | Ant2 | 5200 | 19.240 | 5190.240 | 5209.480 | --- | --- |
| 11N20MIMO | Ant1 | 5240 | 19.400 | 5230.200 | 5249.600 | --- | --- |
| 11N20MIMO | Ant2 | 5240 | 19.200 | 5230.360 | 5249.560 | --- | --- |
| 11N20MIMO | Ant1 | 5745 | 19.200 | 5735.360 | 5754.560 | --- | --- |
| 11N20MIMO | Ant2 | 5745 | 19.320 | 5735.320 | 5754.640 | --- | --- |
| 11N20MIMO | Ant1 | 5785 | 19.320 | 5775.240 | 5794.560 | --- | --- |
| 11N20MIMO | Ant2 | 5785 | 19.200 | 5775.320 | 5794.520 | --- | --- |
| 11N20MIMO | Ant1 | 5825 | 19.520 | 5815.200 | 5834.720 | --- | --- |
| 11N20MIMO | Ant2 | 5825 | 19.360 | 5815.320 | 5834.680 | --- | --- |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 11N40MIMO | Ant1 | 5190 | 38.640 | 5170.720 | 5209.360 | --- | --- |
| 11N40MIMO | Ant2 | 5190 | 39.280 | 5170.320 | 5209.600 | --- | --- |
| 11N40MIMO | Ant1 | 5230 | 38.480 | 5210.720 | 5249.200 | --- | --- |
| 11N40MIMO | Ant2 | 5230 | 38.880 | 5210.560 | 5249.440 | --- | --- |
| 11N40MIMO | Ant1 | 5755 | 38.640 | 5735.720 | 5774.360 | --- | --- |
| 11N40MIMO | Ant2 | 5755 | 38.320 | 5736.040 | 5774.360 | --- | --- |
| 11N40MIMO | Ant1 | 5795 | 38.720 | 5775.560 | 5814.280 | --- | --- |
| 11N40MIMO | Ant2 | 5795 | 38.880 | 5775.480 | 5814.360 | --- | --- |
| 11AC20MIMO | Ant1 | 5180 | 19.440 | 5170.200 | 5189.640 | --- | --- |
| 11AC20MIMO | Ant2 | 5180 | 19.400 | 5170.200 | 5189.600 | --- | --- |
| 11AC20MIMO | Ant1 | 5200 | 19.280 | 5190.320 | 5209.600 | --- | --- |
| 11AC20MIMO | Ant2 | 5200 | 19.280 | 5190.280 | 5209.560 | --- | --- |
| 11AC20MIMO | Ant1 | 5240 | 19.400 | 5230.280 | 5249.680 | --- | --- |
| 11AC20MIMO | Ant2 | 5240 | 19.400 | 5230.240 | 5249.640 | --- | --- |
| 11AC20MIMO | Ant1 | 5745 | 19.440 | 5735.360 | 5754.800 | --- | --- |
| 11AC20MIMO | Ant2 | 5745 | 19.440 | 5735.080 | 5754.520 | --- | --- |
| 11AC20MIMO | Ant1 | 5785 | 19.120 | 5775.360 | 5794.480 | --- | --- |
| 11AC20MIMO | Ant2 | 5785 | 19.440 | 5775.240 | 5794.680 | --- | --- |
| 11AC20MIMO | Ant1 | 5825 | 19.320 | 5815.200 | 5834.520 | --- | --- |
| 11AC20MIMO | Ant2 | 5825 | 19.360 | 5815.280 | 5834.640 | --- | --- |
| 11AC40MIMO | Ant1 | 5190 | 38.880 | 5170.480 | 5209.360 | --- | --- |
| 11AC40MIMO | Ant2 | 5190 | 38.800 | 5170.480 | 5209.280 | --- | --- |
| 11AC40MIMO | Ant1 | 5230 | 39.040 | 5210.480 | 5249.520 | --- | --- |
| 11AC40MIMO | Ant2 | 5230 | 38.880 | 5210.560 | 5249.440 | --- | --- |
| 11AC40MIMO | Ant1 | 5755 | 38.800 | 5735.640 | 5774.440 | --- | --- |
| 11AC40MIMO | Ant2 | 5755 | 38.800 | 5735.480 | 5774.280 | --- | --- |
| 11AC40MIMO | Ant1 | 5795 | 38.720 | 5775.800 | 5814.520 | --- | --- |
| 11AC40MIMO | Ant2 | 5795 | 38.880 | 5775.640 | 5814.520 | --- | --- |
| 11AC80MIMO | Ant1 | 5210 | 86.080 | 5166.640 | 5252.720 | --- | --- |
| 11AC80MIMO | Ant2 | 5210 | 84.000 | 5167.920 | 5251.920 | --- | --- |
| 11AC80MIMO | Ant1 | 5775 | 83.360 | 5732.920 | 5816.280 | --- | --- |
| 11AC80MIMO | Ant2 | 5775 | 82.560 | 5733.880 | 5816.440 | --- | --- |
| 11AX20MIMO | Ant1 | 5180 | 20.120 | 5169.880 | 5190.000 | --- | --- |
| 11AX20MIMO | Ant2 | 5180 | 20.320 | 5169.880 | 5190.200 | --- | --- |
| 11AX20MIMO | Ant1 | 5200 | 20.280 | 5189.760 | 5210.040 | --- | --- |
| 11AX20MIMO | Ant2 | 5200 | 20.040 | 5190.040 | 5210.080 | --- | --- |
| 11AX20MIMO | Ant1 | 5240 | 20.120 | 5229.840 | 5249.960 | --- | --- |
| 11AX20MIMO | Ant2 | 5240 | 20.080 | 5229.960 | 5250.040 | --- | --- |
| 11AX20MIMO | Ant1 | 5745 | 19.880 | 5734.960 | 5754.840 | --- | --- |
| 11AX20MIMO | Ant2 | 5745 | 20.080 | 5734.880 | 5754.960 | --- | --- |
| 11AX20MIMO | Ant1 | 5785 | 20.160 | 5774.920 | 5795.080 | --- | --- |
| 11AX20MIMO | Ant2 | 5785 | 20.360 | 5774.760 | 5795.120 | --- | --- |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 11AX20MIMO | Ant1 | 5825 | 20.480 | 5814.800 | 5835.280 | --- | --- |
| 11AX20MIMO | Ant2 | 5825 | 20.040 | 5814.920 | 5834.960 | --- | --- |
| 11AX40MIMO | Ant1 | 5190 | 38.480 | 5170.800 | 5209.280 | --- | --- |
| 11AX40MIMO | Ant2 | 5190 | 38.880 | 5170.640 | 5209.520 | --- | --- |
| 11AX40MIMO | Ant1 | 5230 | 38.320 | 5210.720 | 5249.040 | --- | --- |
| 11AX40MIMO | Ant2 | 5230 | 38.560 | 5210.720 | 5249.280 | --- | --- |
| 11AX40MIMO | Ant1 | 5755 | 38.720 | 5735.640 | 5774.360 | --- | --- |
| 11AX40MIMO | Ant2 | 5755 | 38.720 | 5735.720 | 5774.440 | --- | --- |
| 11AX40MIMO | Ant1 | 5795 | 38.640 | 5775.720 | 5814.360 | --- | --- |
| 11AX40MIMO | Ant2 | 5795 | 38.640 | 5775.560 | 5814.200 | --- | --- |
| 11AX80MIMO | Ant1 | 5210 | 80.480 | 5169.680 | 5250.160 | --- | --- |
| 11AX80MIMO | Ant2 | 5210 | 80.000 | 5170.000 | 5250.000 | --- | --- |
| 11AX80MIMO | Ant1 | 5775 | 79.840 | 5735.160 | 5815.000 | --- | --- |
| 11AX80MIMO | Ant2 | 5775 | 80.000 | 5735.000 | 5815.000 | --- | --- |

## Test Graphs

11A-Ant1-5180



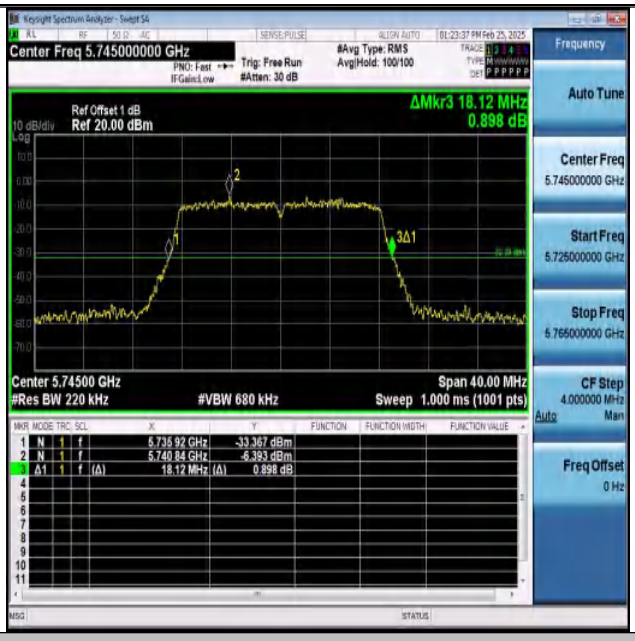

11A-Ant2-5180

11A-Ant1-5200

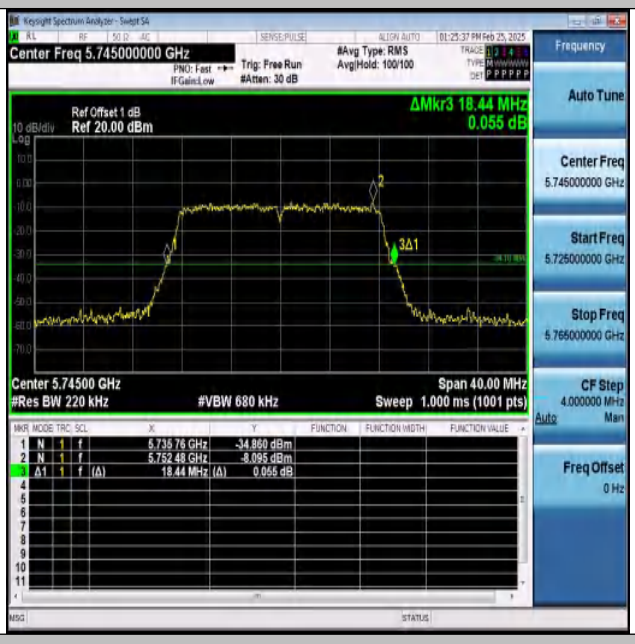
11A-Ant2-5200

11A-Ant1-5240

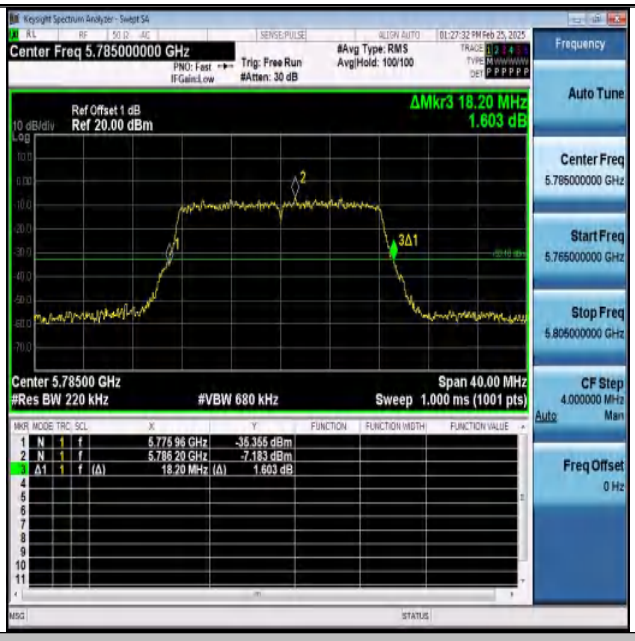
11A-Ant2-5240



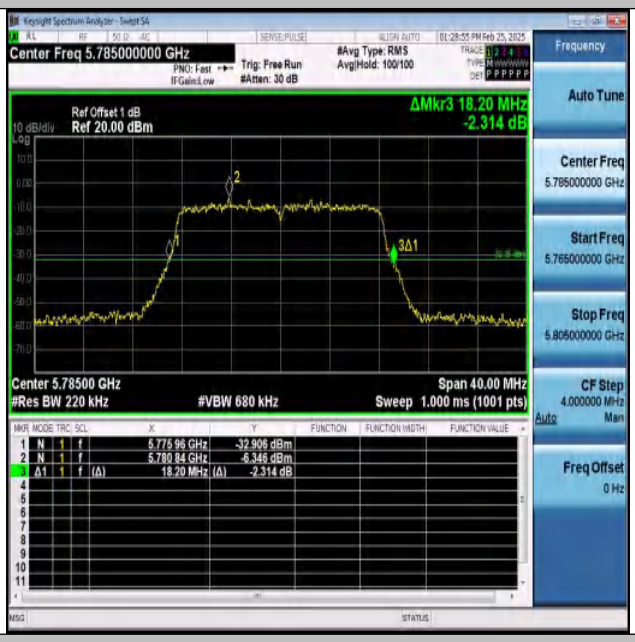

11A-Ant1-5745




11A-Ant2-5745




11A-Ant1-5785




11A-Ant2-5785

11A-Ant1-5825

11A-Ant2-5825

11N20MIMO-Ant1-5180

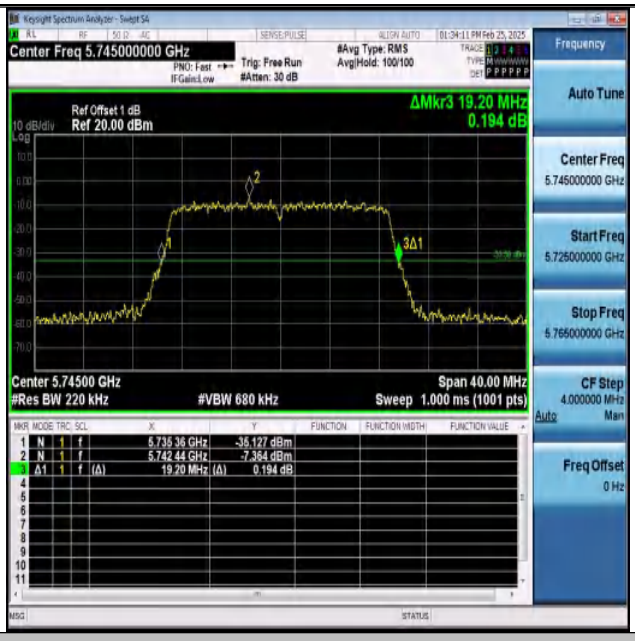
11N20MIMO-Ant2-5180

11N20MIMO-Ant1-5200

11N20MIMO-Ant2-5200

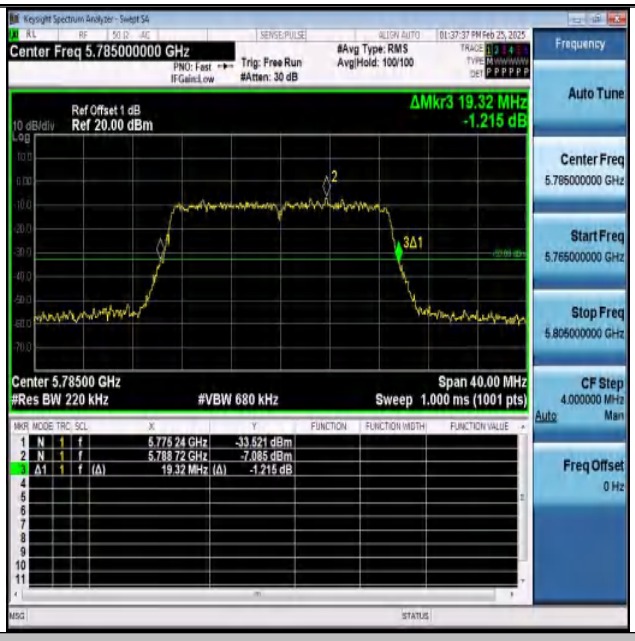
11N20MIMO-Ant1-5240

11N20MIMO-Ant2-5240



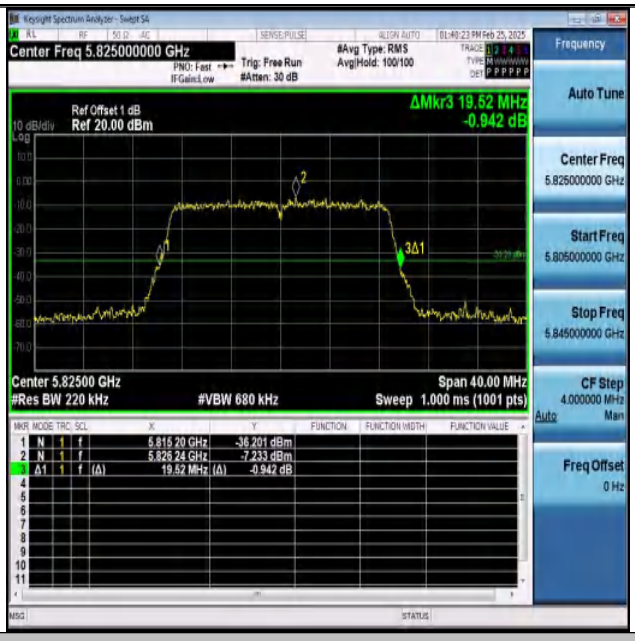

11N20MIMO-Ant1-5745

11N20MIMO-Ant2-5745




11N20MIMO-Ant1-5785

11N20MIMO-Ant2-5785

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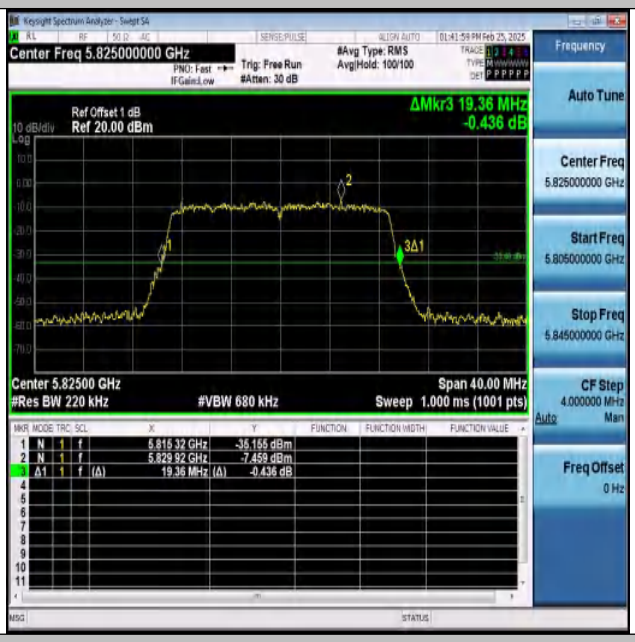


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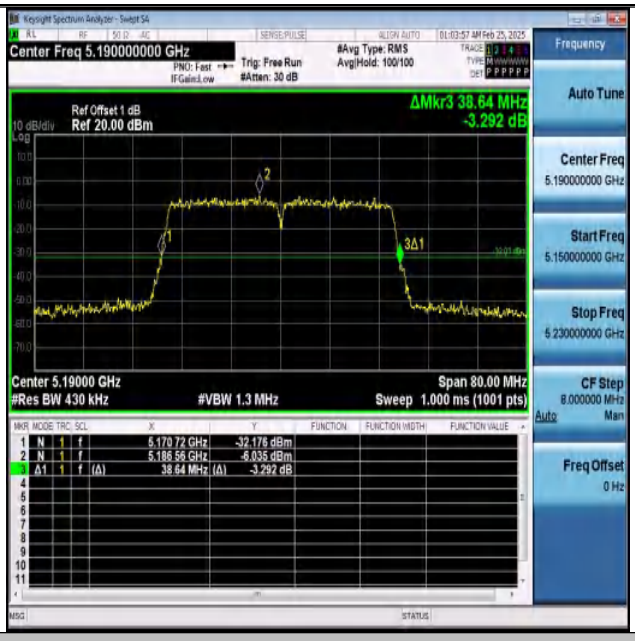
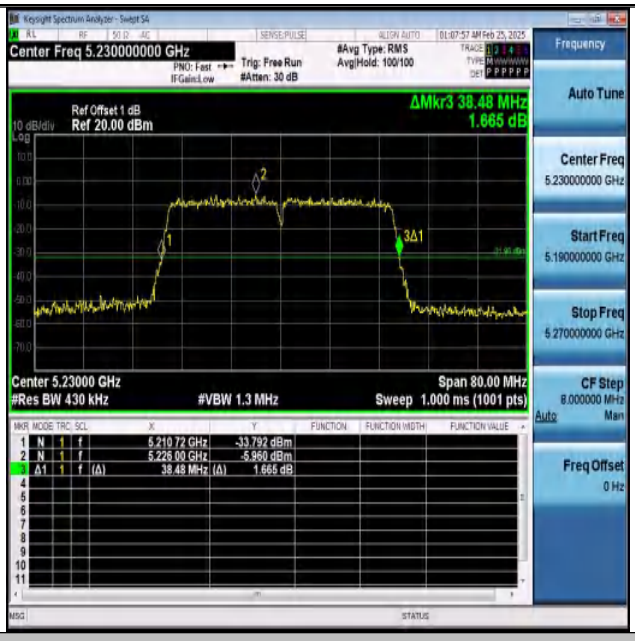
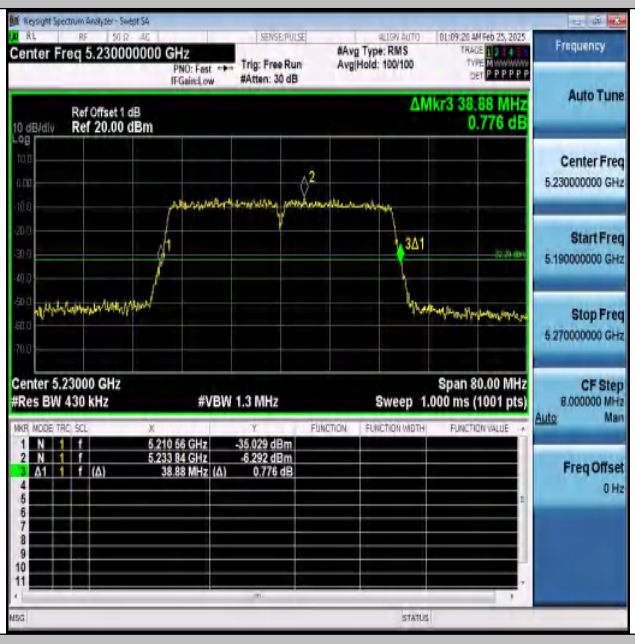



11N40MIMO-Ant1-5190

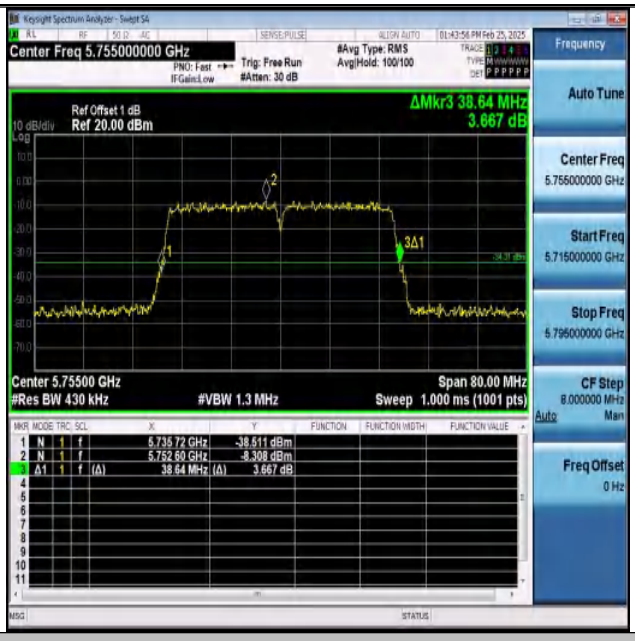
11N40MIMO-Ant2-5190



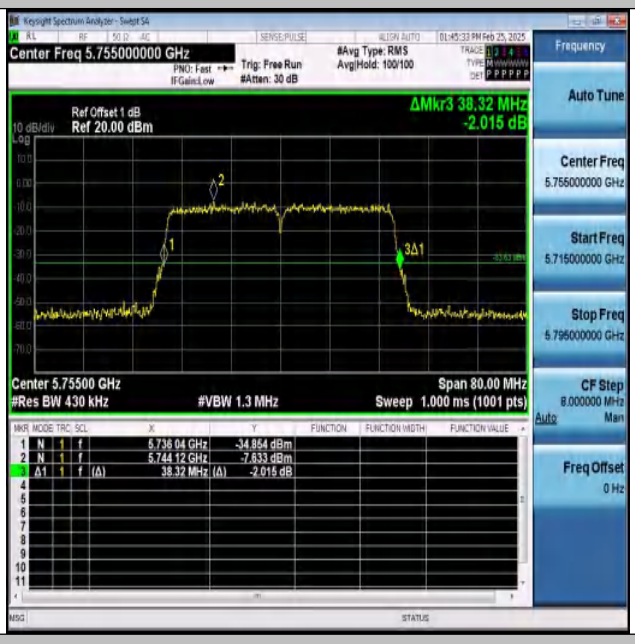

11N40MIMO-Ant1-5230




11N40MIMO-Ant2-5230




11N40MIMO-Ant1-5755




11N40MIMO-Ant2-5755

11N40MIMO-Ant1-5795

11N40MIMO-Ant2-5795

11AC20MIMO-Ant1-5180

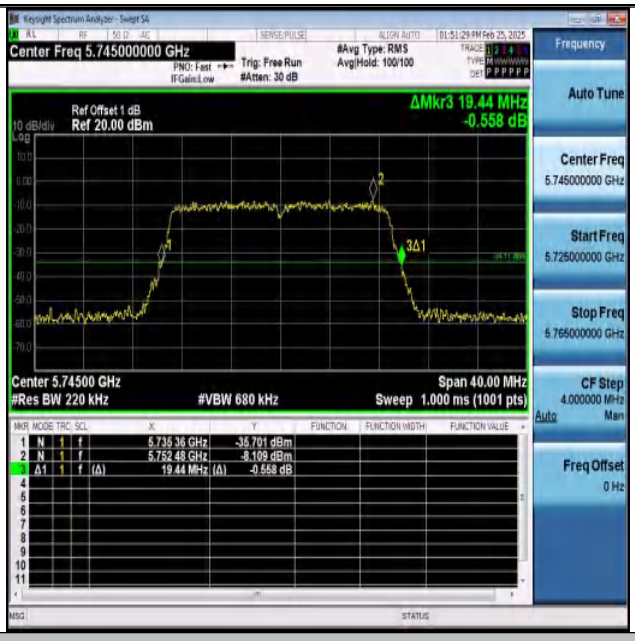
11AC20MIMO-Ant2-5180

11AC20MIMO-Ant1-5200

11AC20MIMO-Ant2-5200

11AC20MIMO-Ant1-5240

11AC20MIMO-Ant2-5240

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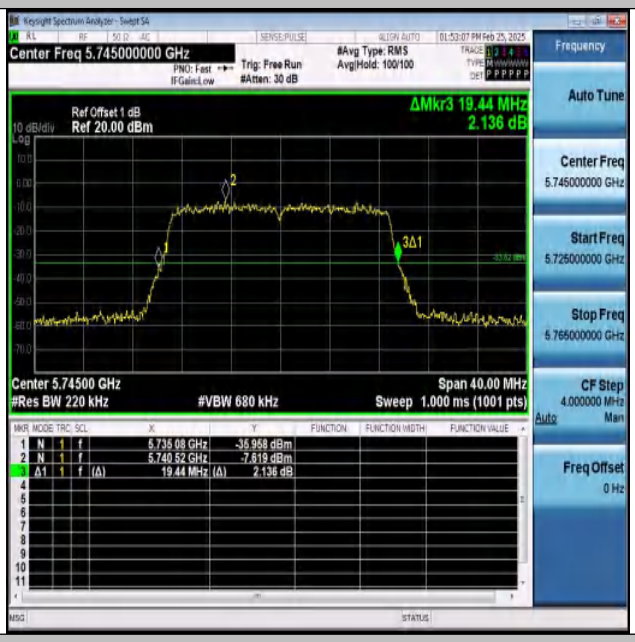
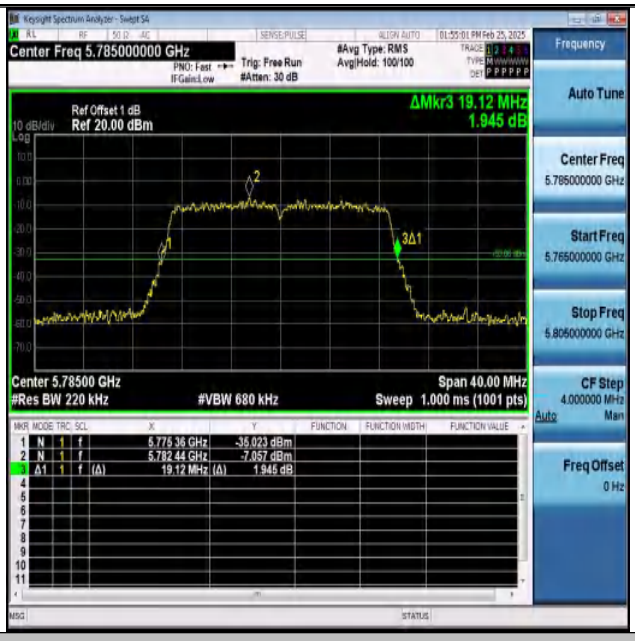
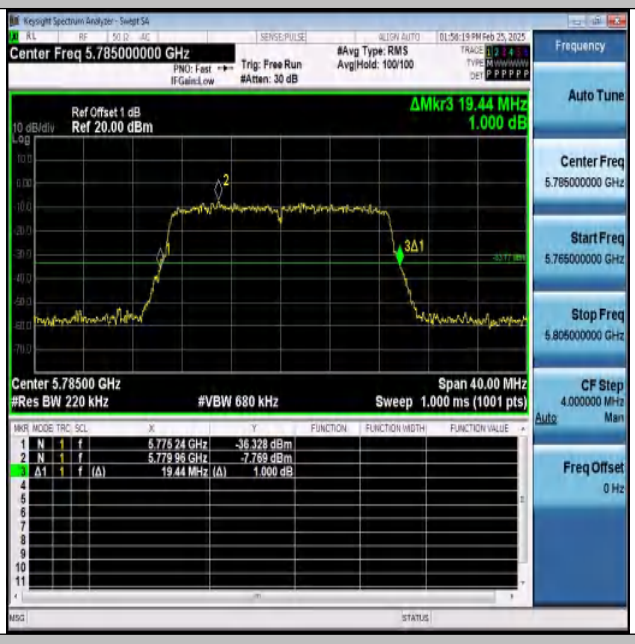



11AC20MIMO-Ant2-5745




11AC20MIMO-Ant1-5785

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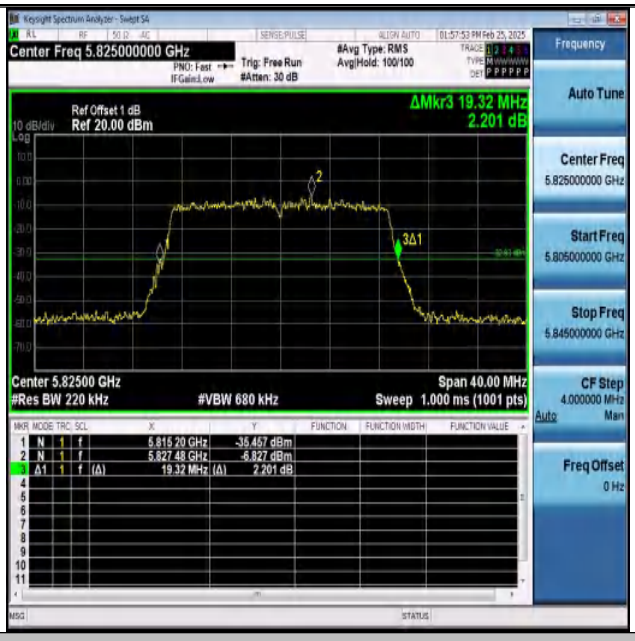
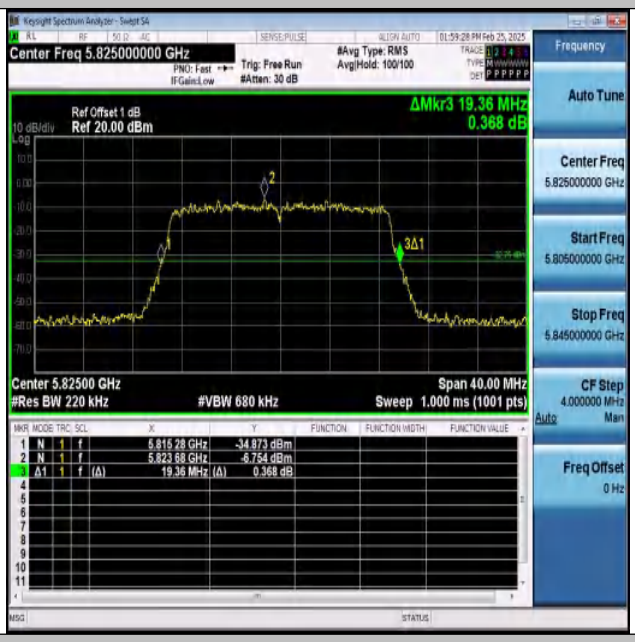



11AC20MIMO-Ant1-5825

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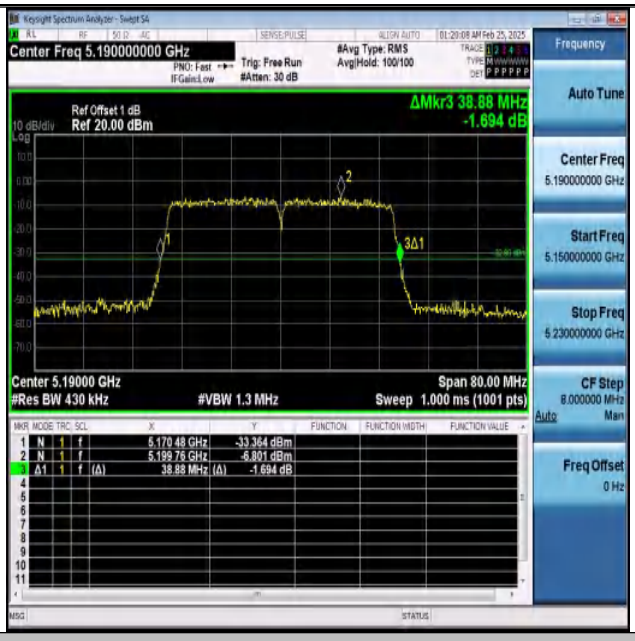


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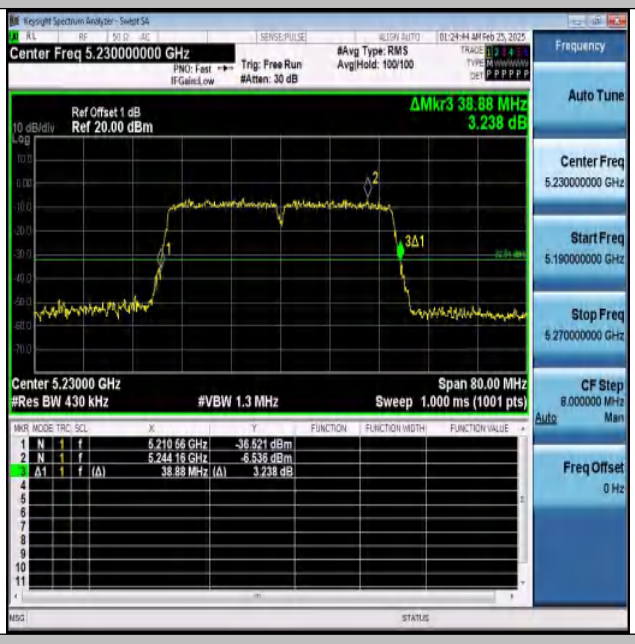
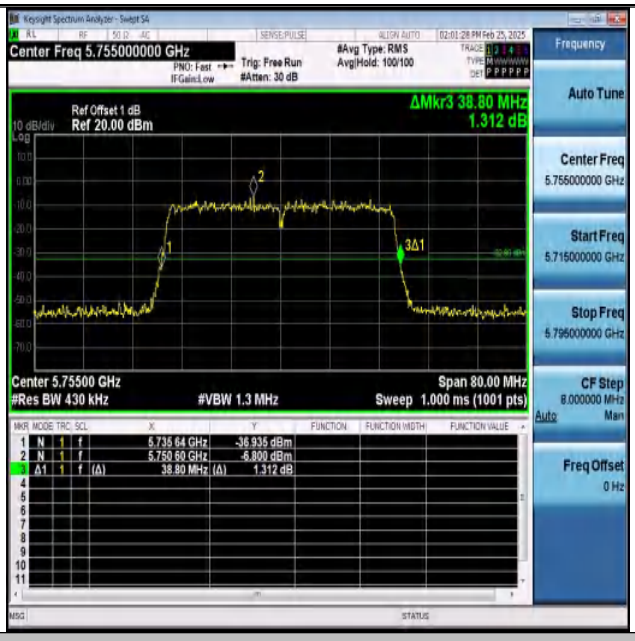
11AC40MIMO-Ant2-5190

11AC40MIMO-Ant1-5230




11AC40MIMO-Ant2-5230

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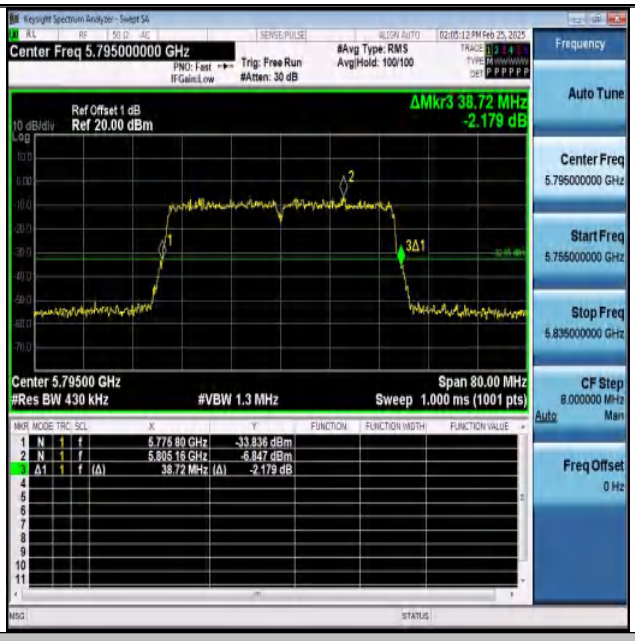
11AC40MIMO-Ant2-5755

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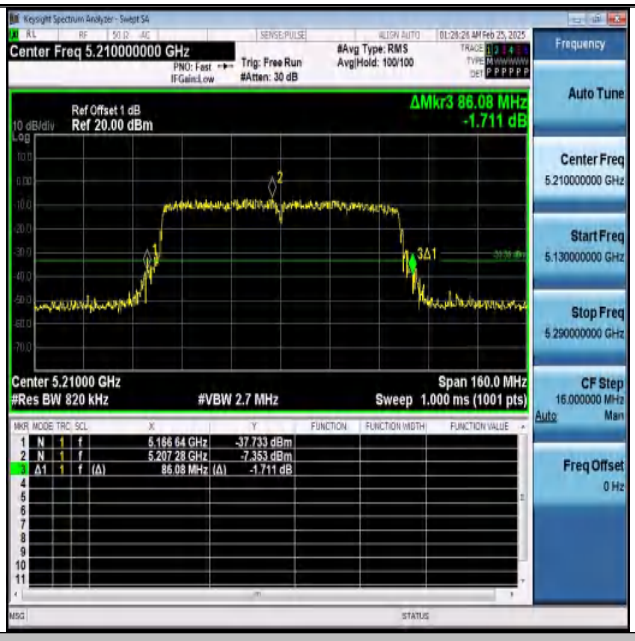
11AC40MIMO-Ant2-5795

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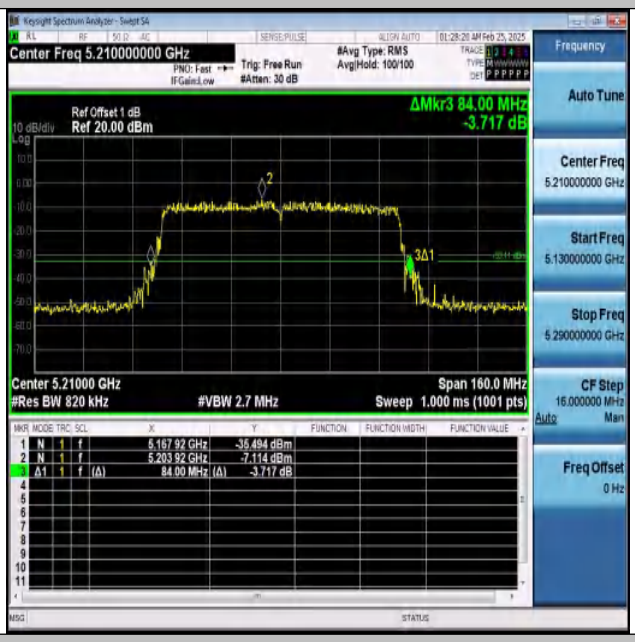


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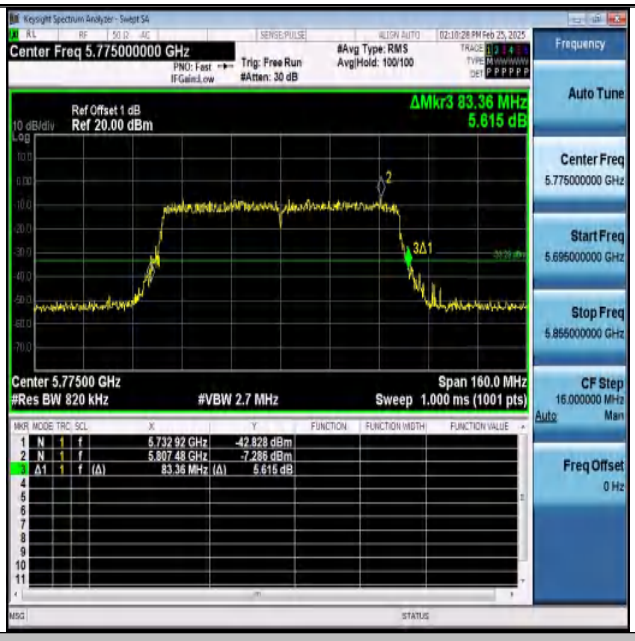


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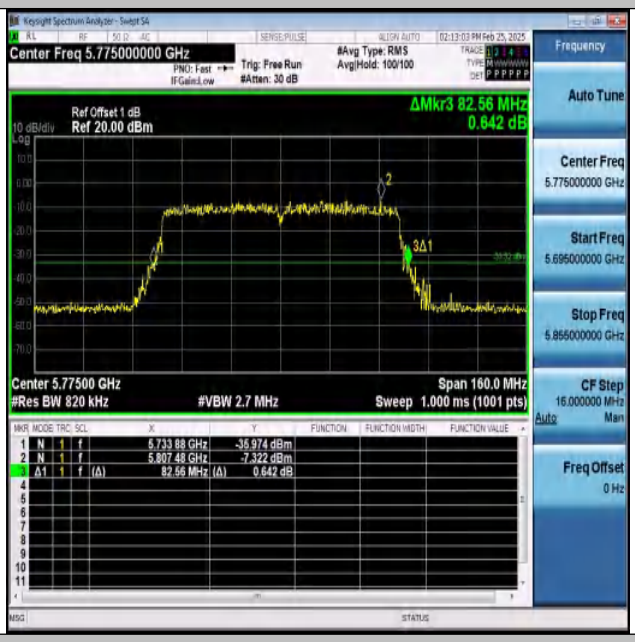


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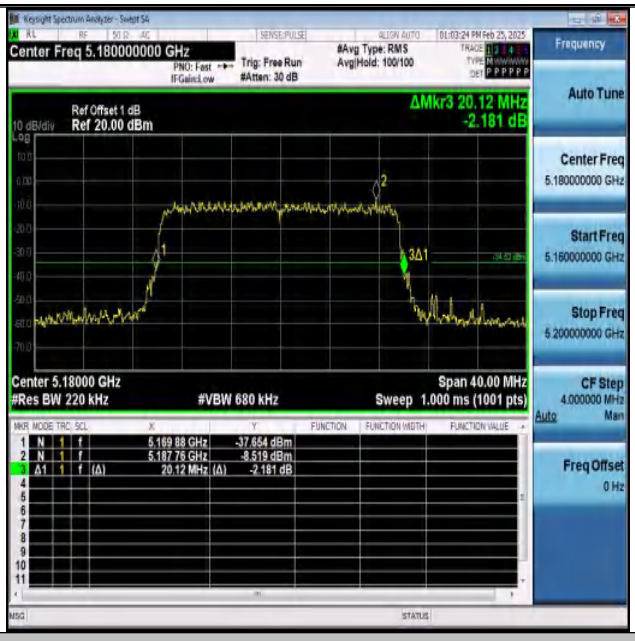


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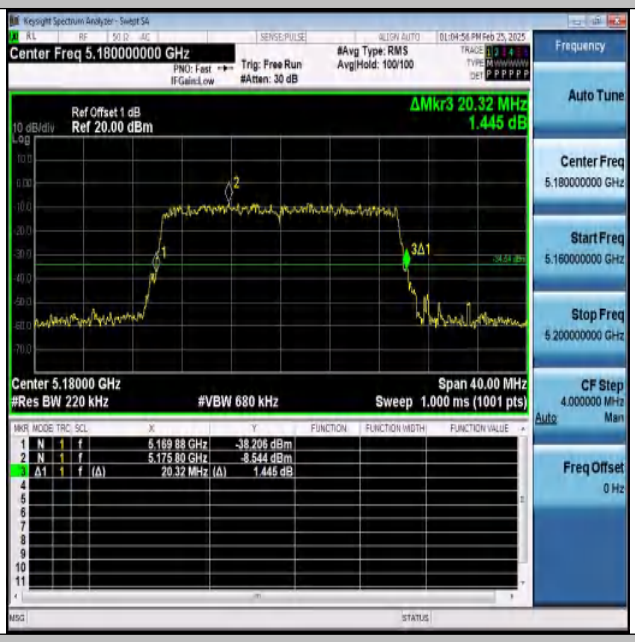
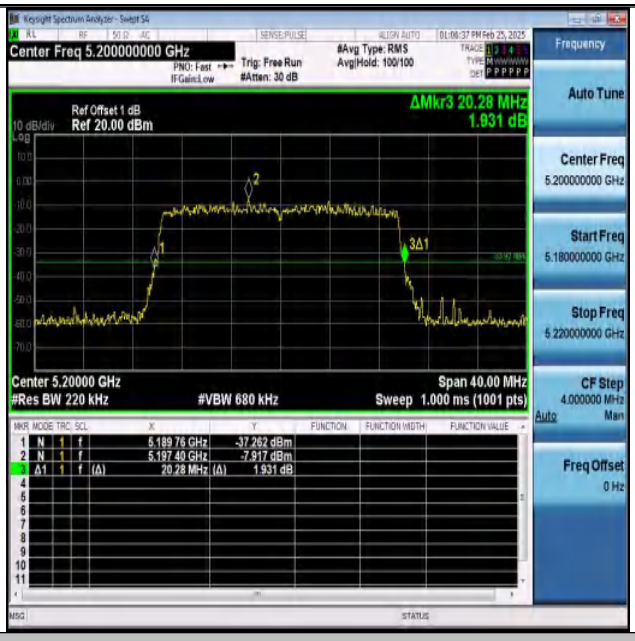
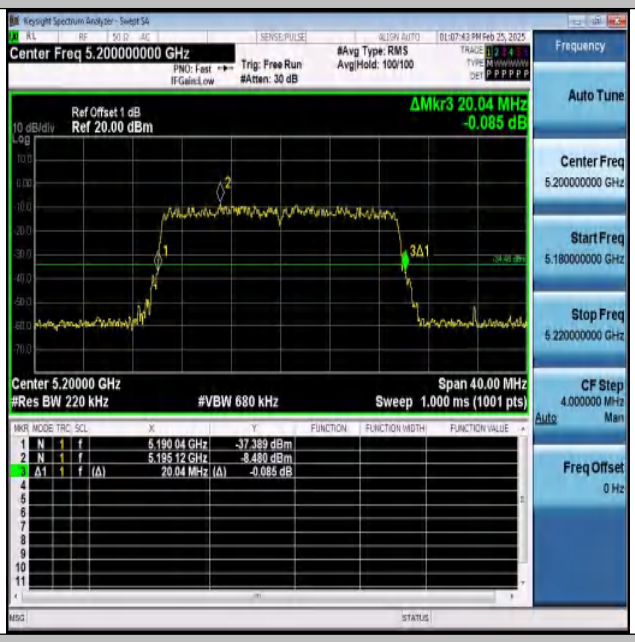


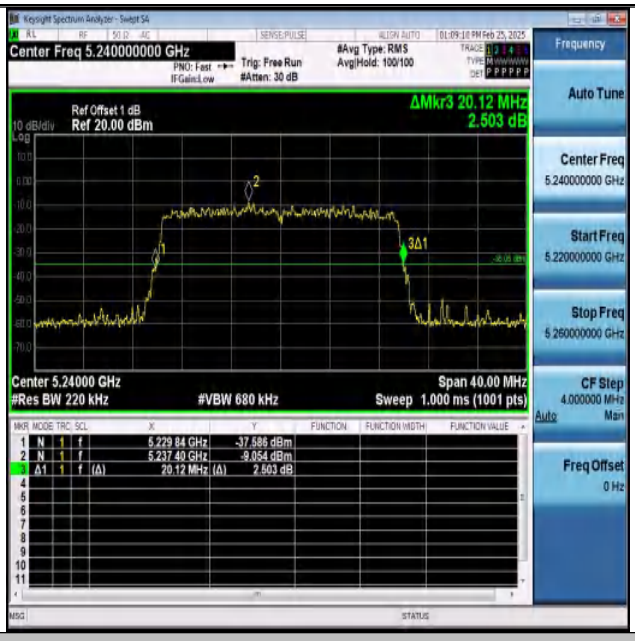

11AX20MIMO-Ant2-5180




11AX20MIMO-Ant1-5200




11AX20MIMO-Ant2-5200

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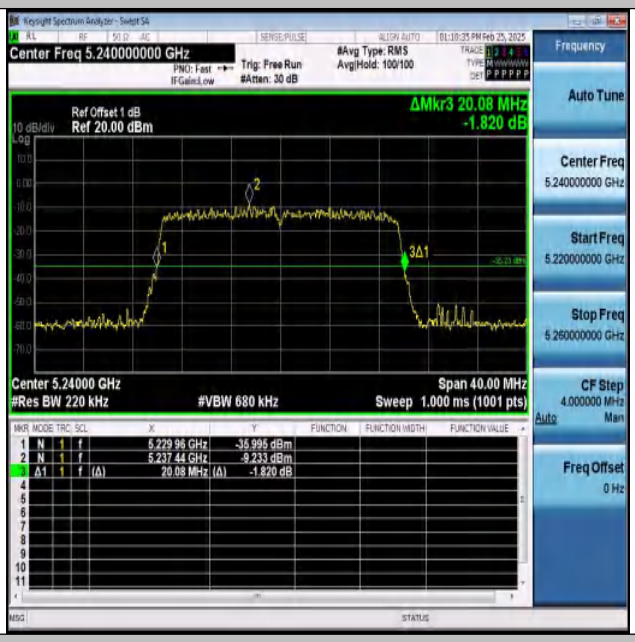


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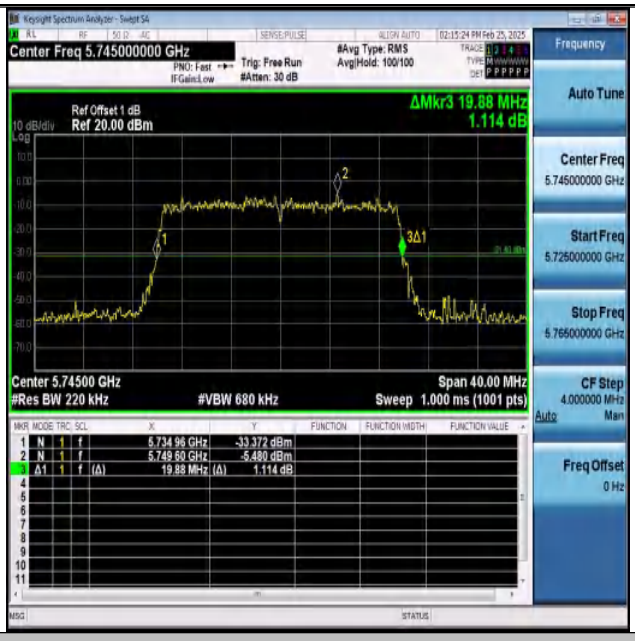
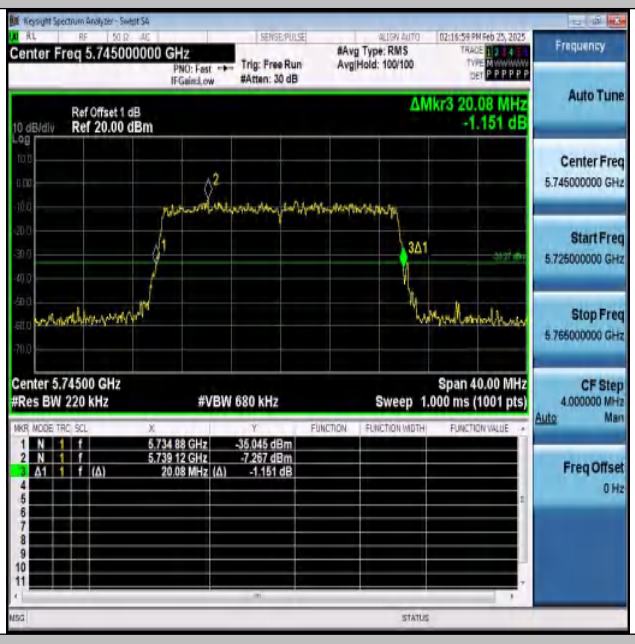



11AX20MIMO-Ant1-5745

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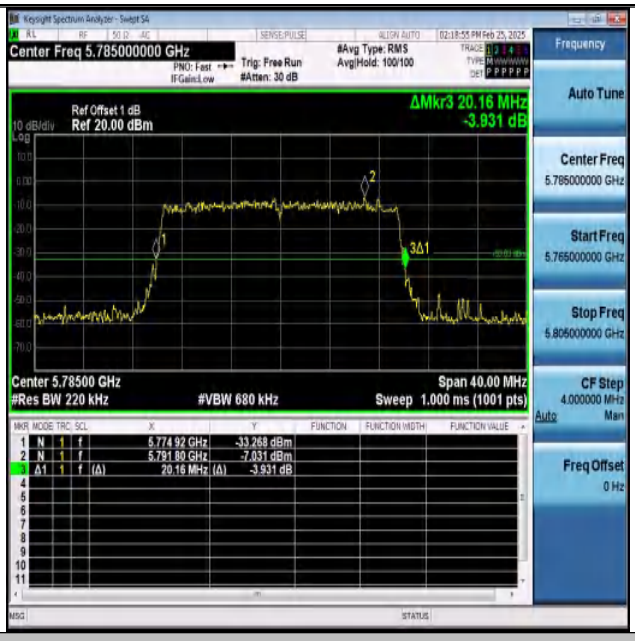


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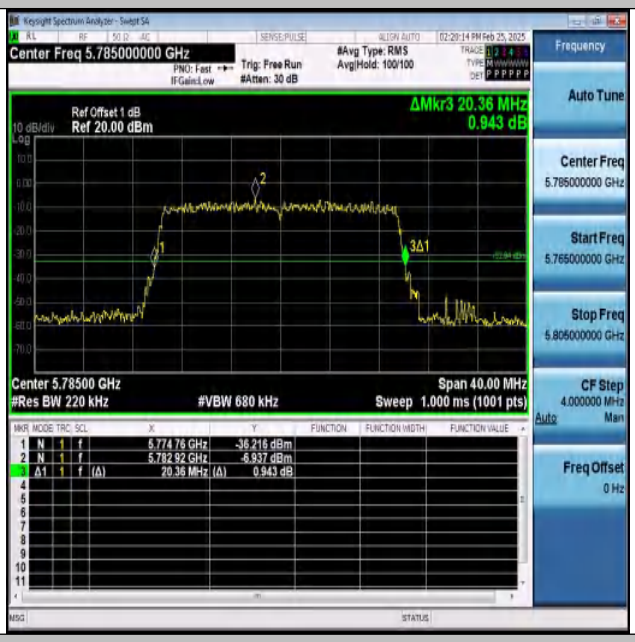


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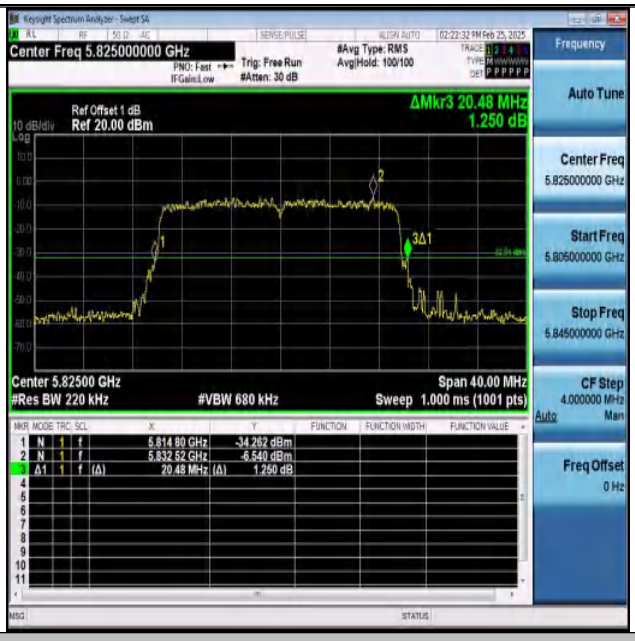
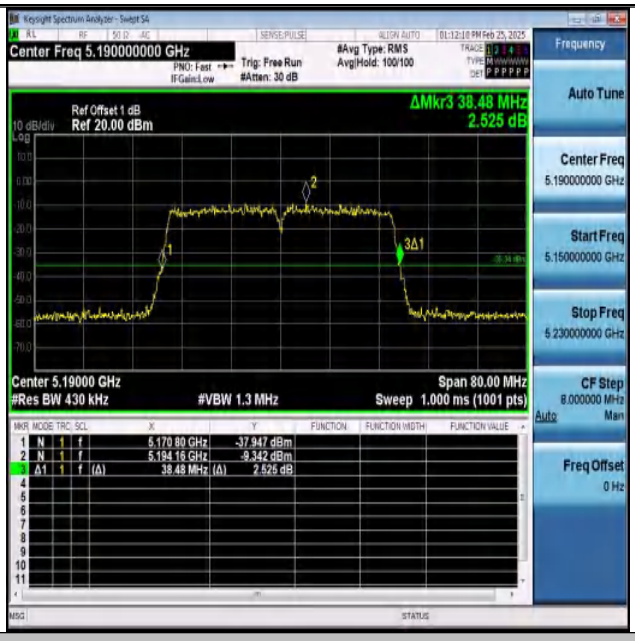



11AX20MIMO-Ant1-5825

11AX20MIMO-Ant2-5825

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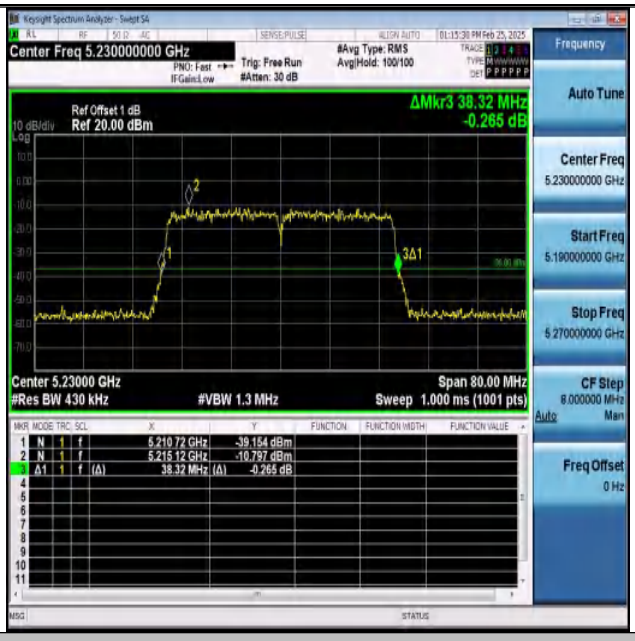
11AX40MIMO-Ant2-5190

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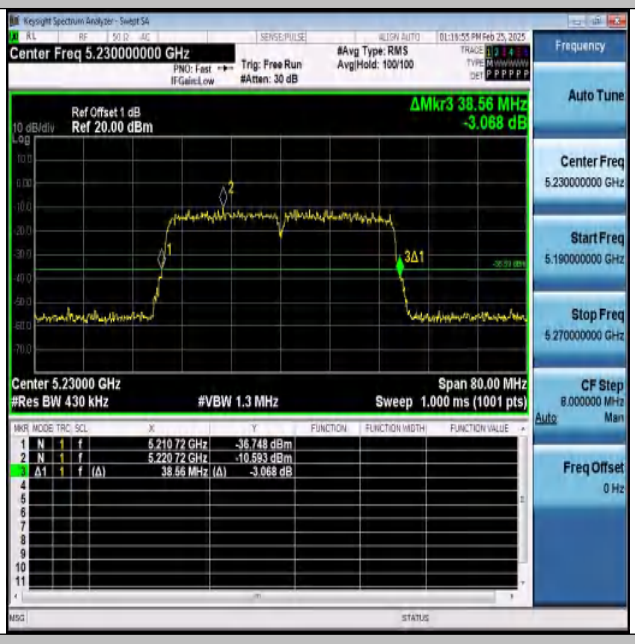


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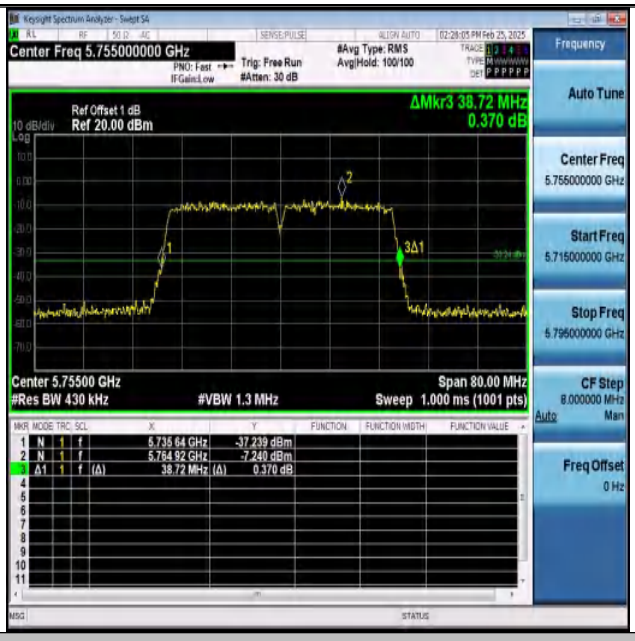
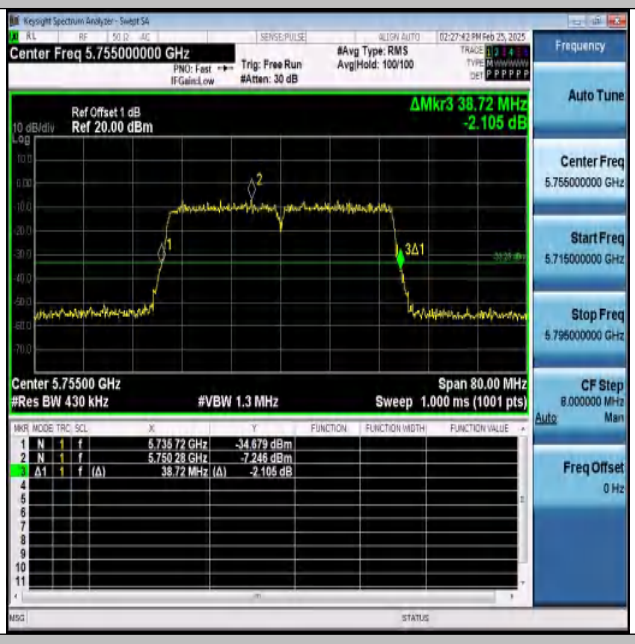



11AX40MIMO-Ant1-5755

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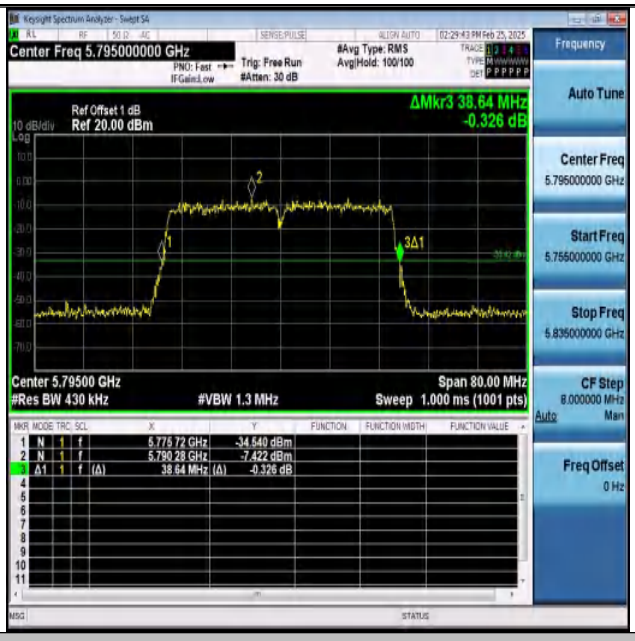
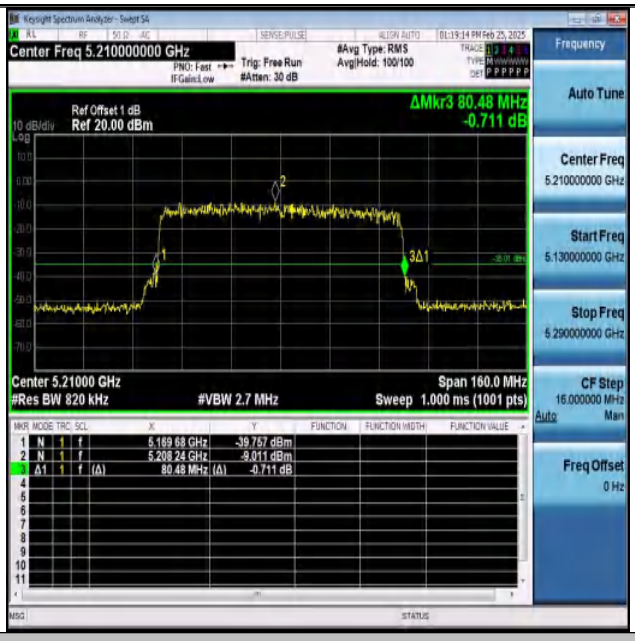
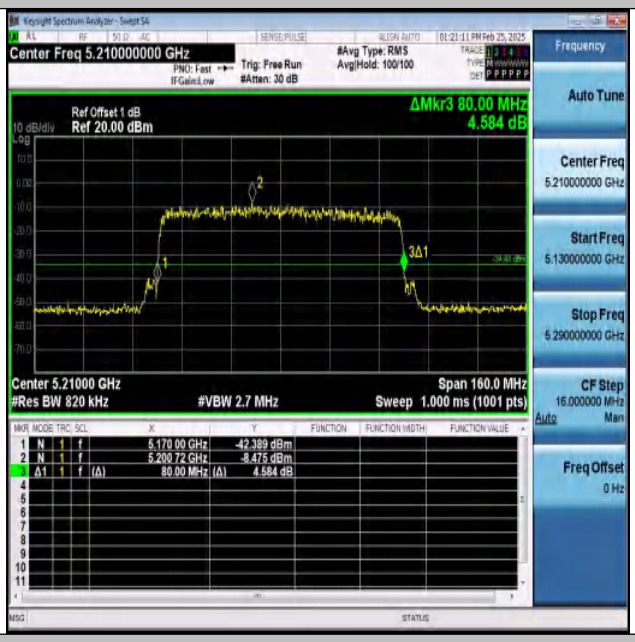



11AX40MIMO-Ant1-5795

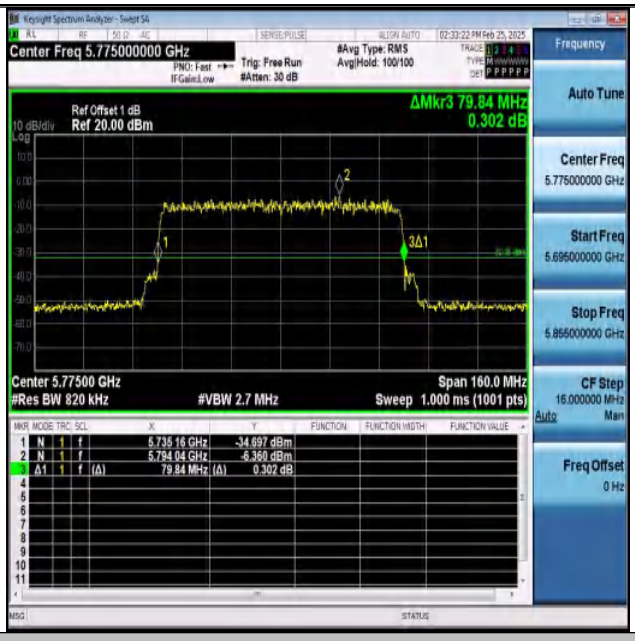
11AX40MIMO-Ant2-5795



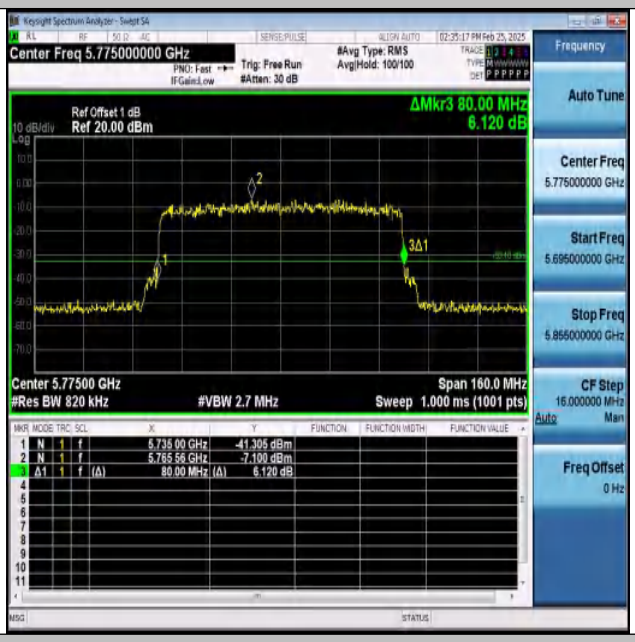

11AX80MIMO-Ant1-5210




11AX80MIMO-Ant2-5210




11AX80MIMO-Ant1-5775




11AX80MIMO-Ant2-5775

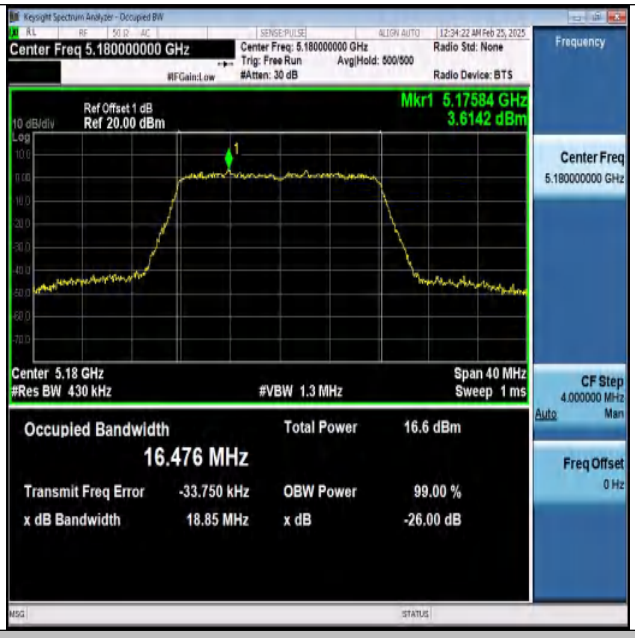
# Appendix A2: 99% Occupied Bandwidth

## Test Result

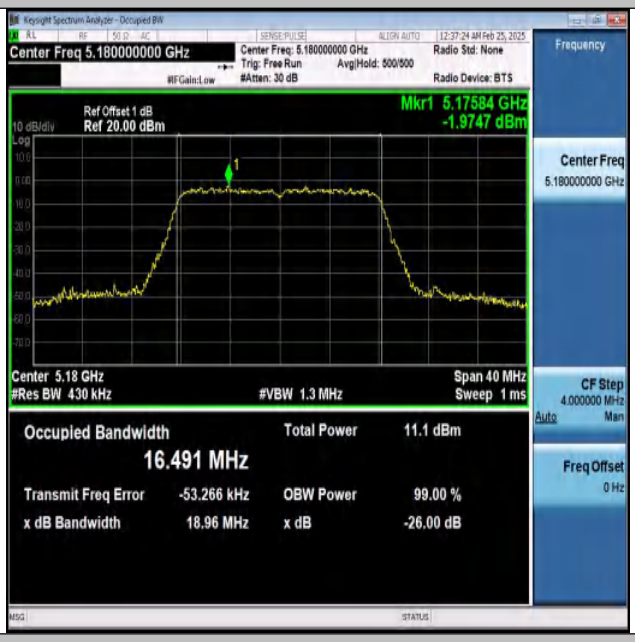
| Test Mode | Antenna | Frequency [MHz] | OCB [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|---|---|---|---|---|---|---|---|
| 11A | Ant1 | 5180 | 16.476 | 5171.7283 | 5188.2043 | --- | --- |
| 11A | Ant2 | 5180 | 16.491 | 5171.7012 | 5188.1922 | --- | --- |
| 11A | Ant1 | 5200 | 16.493 | 5191.7236 | 5208.2166 | --- | --- |
| 11A | Ant2 | 5200 | 16.480 | 5191.7237 | 5208.2037 | --- | --- |
| 11A | Ant1 | 5240 | 16.479 | 5231.7268 | 5248.2058 | --- | --- |
| 11A | Ant2 | 5240 | 16.481 | 5231.7255 | 5248.2065 | --- | --- |
| 11A | Ant1 | 5745 | 16.503 | 5736.7115 | 5753.2145 | --- | --- |
| 11A | Ant2 | 5745 | 16.510 | 5736.7159 | 5753.2259 | --- | --- |
| 11A | Ant1 | 5785 | 16.480 | 5776.7304 | 5793.2104 | --- | --- |
| 11A | Ant2 | 5785 | 16.512 | 5776.7147 | 5793.2267 | --- | --- |
| 11A | Ant1 | 5825 | 16.507 | 5816.7169 | 5833.2239 | --- | --- |
| 11A | Ant2 | 5825 | 16.496 | 5816.7271 | 5833.2231 | --- | --- |
| 11N20MIMO | Ant1 | 5180 | 17.588 | 5171.1531 | 5188.7411 | --- | --- |
| 11N20MIMO | Ant2 | 5180 | 17.608 | 5171.1313 | 5188.7393 | --- | --- |
| 11N20MIMO | Ant1 | 5200 | 17.610 | 5191.1234 | 5208.7334 | --- | --- |
| 11N20MIMO | Ant2 | 5200 | 17.595 | 5191.1398 | 5208.7348 | --- | --- |
| 11N20MIMO | Ant1 | 5240 | 17.610 | 5231.1359 | 5248.7459 | --- | --- |
| 11N20MIMO | Ant2 | 5240 | 17.612 | 5231.1379 | 5248.7499 | --- | --- |
| 11N20MIMO | Ant1 | 5745 | 17.595 | 5736.1540 | 5753.7490 | --- | --- |
| 11N20MIMO | Ant2 | 5745 | 17.606 | 5736.1491 | 5753.7551 | --- | --- |
| 11N20MIMO | Ant1 | 5785 | 17.602 | 5776.1565 | 5793.7585 | --- | --- |
| 11N20MIMO | Ant2 | 5785 | 17.596 | 5776.1430 | 5793.7390 | --- | --- |
| 11N20MIMO | Ant1 | 5825 | 17.603 | 5816.1590 | 5833.7620 | --- | --- |
| 11N20MIMO | Ant2 | 5825 | 17.596 | 5816.1602 | 5833.7562 | --- | --- |
| 11N40MIMO | Ant1 | 5190 | 36.107 | 5171.9341 | 5208.0411 | --- | --- |
| 11N40MIMO | Ant2 | 5190 | 36.059 | 5171.9421 | 5208.0011 | --- | --- |
| 11N40MIMO | Ant1 | 5230 | 36.069 | 5211.9391 | 5248.0081 | --- | --- |
| 11N40MIMO | Ant2 | 5230 | 36.063 | 5211.9576 | 5248.0206 | --- | --- |
| 11N40MIMO | Ant1 | 5755 | 36.126 | 5736.9246 | 5773.0506 | --- | --- |
| 11N40MIMO | Ant2 | 5755 | 36.082 | 5736.9953 | 5773.0773 | --- | --- |
| 11N40MIMO | Ant1 | 5795 | 36.054 | 5776.9975 | 5813.0515 | --- | --- |
| 11N40MIMO | Ant2 | 5795 | 36.089 | 5777.0059 | 5813.0949 | --- | --- |
| 11AC20MIMO | Ant1 | 5180 | 17.586 | 5171.1527 | 5188.7387 | --- | --- |
| 11AC20MIMO | Ant2 | 5180 | 17.617 | 5171.1444 | 5188.7614 | --- | --- |
| 11AC20MIMO | Ant1 | 5200 | 17.588 | 5191.1572 | 5208.7452 | --- | --- |
| 11AC20MIMO | Ant2 | 5200 | 17.605 | 5191.1328 | 5208.7378 | --- | --- |
| 11AC20MIMO | Ant1 | 5240 | 17.612 | 5231.1454 | 5248.7574 | --- | --- |
| 11AC20MIMO | Ant2 | 5240 | 17.625 | 5231.1398 | 5248.7648 | --- | --- |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 11AC20MIMO | Ant1 | 5745 | 17.601 | 5736.1568 | 5753.7578 | --- | --- |
| 11AC20MIMO | Ant2 | 5745 | 17.590 | 5736.1565 | 5753.7465 | --- | --- |
| 11AC20MIMO | Ant1 | 5785 | 17.578 | 5776.1624 | 5793.7404 | --- | --- |
| 11AC20MIMO | Ant2 | 5785 | 17.592 | 5776.1493 | 5793.7413 | --- | --- |
| 11AC20MIMO | Ant1 | 5825 | 17.597 | 5816.1653 | 5833.7623 | --- | --- |
| 11AC20MIMO | Ant2 | 5825 | 17.585 | 5816.1672 | 5833.7522 | --- | --- |
| 11AC40MIMO | Ant1 | 5190 | 36.080 | 5171.9081 | 5207.9881 | --- | --- |
| 11AC40MIMO | Ant2 | 5190 | 36.081 | 5171.9073 | 5207.9883 | --- | --- |
| 11AC40MIMO | Ant1 | 5230 | 36.100 | 5211.9133 | 5248.0133 | --- | --- |
| 11AC40MIMO | Ant2 | 5230 | 36.093 | 5211.9182 | 5248.0112 | --- | --- |
| 11AC40MIMO | Ant1 | 5755 | 36.170 | 5736.9197 | 5773.0897 | --- | --- |
| 11AC40MIMO | Ant2 | 5755 | 36.115 | 5736.9620 | 5773.0770 | --- | --- |
| 11AC40MIMO | Ant1 | 5795 | 36.087 | 5776.9721 | 5813.0591 | --- | --- |
| 11AC40MIMO | Ant2 | 5795 | 36.159 | 5776.9640 | 5813.1230 | --- | --- |
| 11AC80MIMO | Ant1 | 5210 | 76.104 | 5171.9184 | 5248.0224 | --- | --- |
| 11AC80MIMO | Ant2 | 5210 | 76.083 | 5171.9555 | 5248.0385 | --- | --- |
| 11AC80MIMO | Ant1 | 5775 | 76.008 | 5737.0907 | 5813.0987 | --- | --- |
| 11AC80MIMO | Ant2 | 5775 | 75.757 | 5737.2620 | 5813.0190 | --- | --- |
| 11AX20MIMO | Ant1 | 5180 | 18.886 | 5170.5134 | 5189.3994 | --- | --- |
| 11AX20MIMO | Ant2 | 5180 | 18.899 | 5170.5108 | 5189.4098 | --- | --- |
| 11AX20MIMO | Ant1 | 5200 | 18.917 | 5190.4937 | 5209.4107 | --- | --- |
| 11AX20MIMO | Ant2 | 5200 | 18.898 | 5190.5193 | 5209.4173 | --- | --- |
| 11AX20MIMO | Ant1 | 5240 | 18.900 | 5230.5052 | 5249.4052 | --- | --- |
| 11AX20MIMO | Ant2 | 5240 | 18.905 | 5230.5088 | 5249.4138 | --- | --- |
| 11AX20MIMO | Ant1 | 5745 | 18.964 | 5735.4553 | 5754.4193 | --- | --- |
| 11AX20MIMO | Ant2 | 5745 | 18.967 | 5735.4594 | 5754.4264 | --- | --- |
| 11AX20MIMO | Ant1 | 5785 | 18.939 | 5775.4546 | 5794.3936 | --- | --- |
| 11AX20MIMO | Ant2 | 5785 | 19.001 | 5775.4526 | 5794.4536 | --- | --- |
| 11AX20MIMO | Ant1 | 5825 | 18.963 | 5815.4558 | 5834.4188 | --- | --- |
| 11AX20MIMO | Ant2 | 5825 | 18.981 | 5815.4608 | 5834.4418 | --- | --- |
| 11AX40MIMO | Ant1 | 5190 | 36.073 | 5171.9283 | 5208.0013 | --- | --- |
| 11AX40MIMO | Ant2 | 5190 | 36.097 | 5171.9077 | 5208.0047 | --- | --- |
| 11AX40MIMO | Ant1 | 5230 | 36.061 | 5211.9260 | 5247.9870 | --- | --- |
| 11AX40MIMO | Ant2 | 5230 | 36.096 | 5211.8919 | 5247.9879 | --- | --- |
| 11AX40MIMO | Ant1 | 5755 | 36.065 | 5736.9907 | 5773.0557 | --- | --- |
| 11AX40MIMO | Ant2 | 5755 | 36.087 | 5736.9850 | 5773.0720 | --- | --- |
| 11AX40MIMO | Ant1 | 5795 | 36.042 | 5776.9987 | 5813.0407 | --- | --- |
| 11AX40MIMO | Ant2 | 5795 | 36.024 | 5777.0251 | 5813.0491 | --- | --- |
| 11AX80MIMO | Ant1 | 5210 | 76.867 | 5171.5853 | 5248.4523 | --- | --- |
| 11AX80MIMO | Ant2 | 5210 | 76.699 | 5171.6860 | 5248.3850 | --- | --- |
| 11AX80MIMO | Ant1 | 5775 | 77.005 | 5736.7164 | 5813.7214 | --- | --- |
| 11AX80MIMO | Ant2 | 5775 | 77.025 | 5736.5886 | 5813.6136 | --- | --- |

## Test Graphs




11A-Ant1-5180

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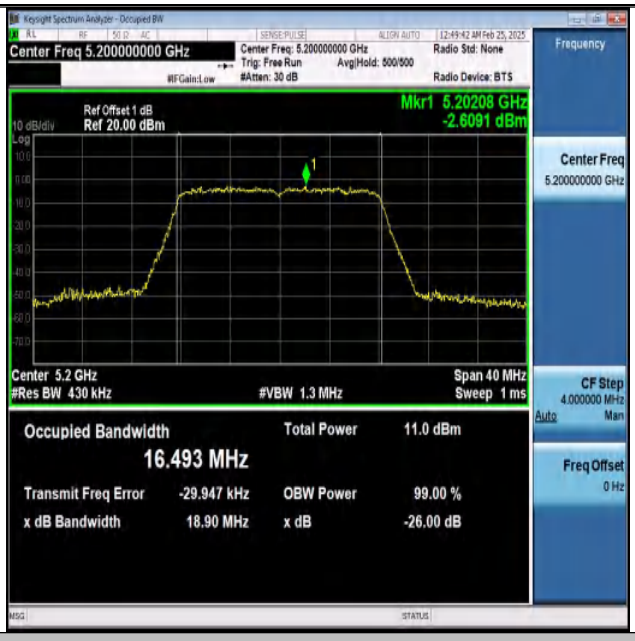


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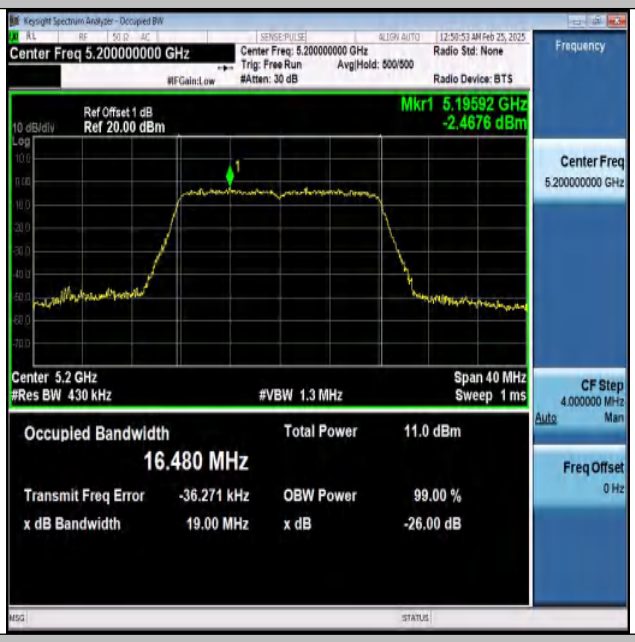


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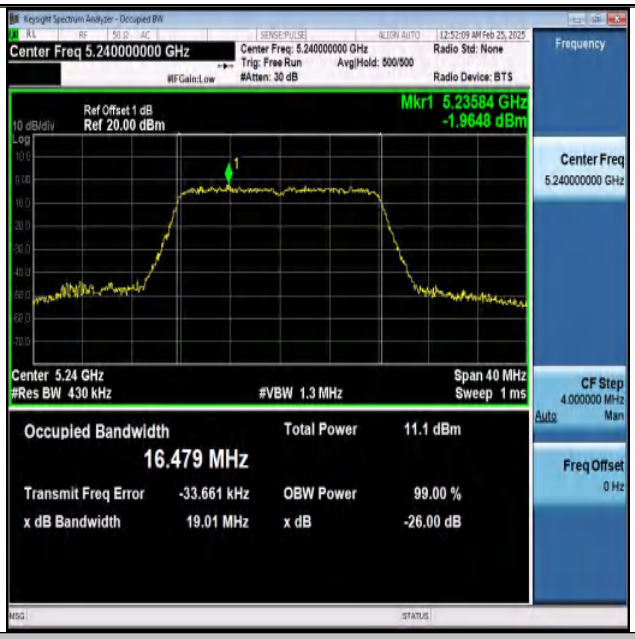


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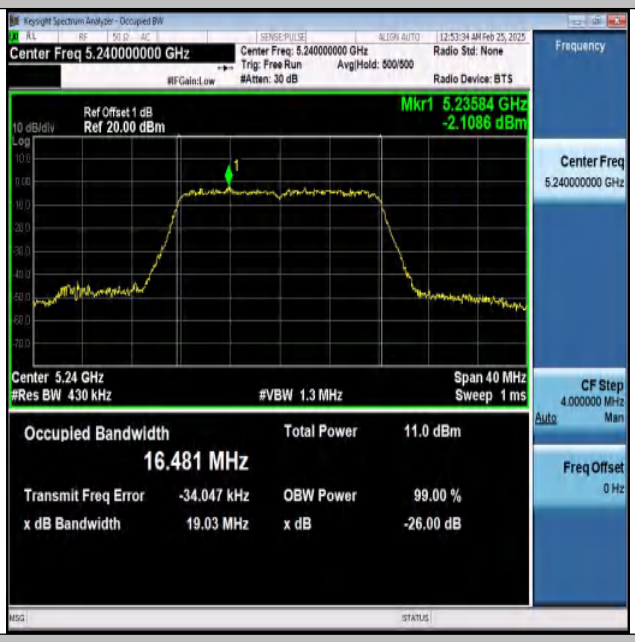


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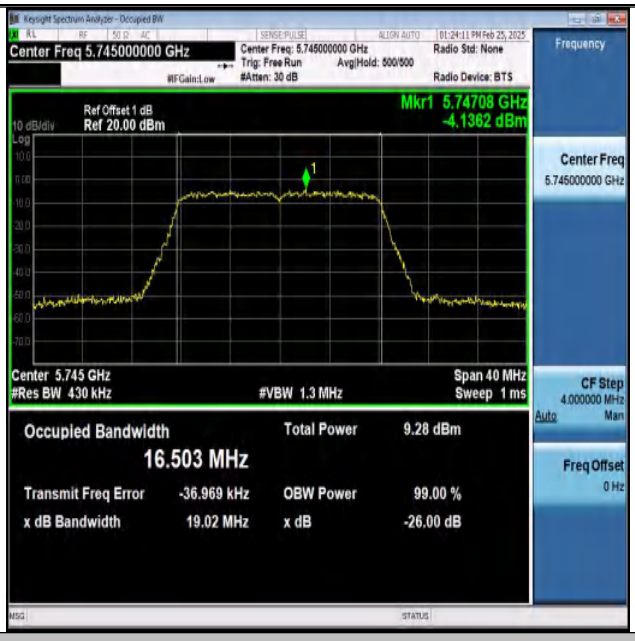


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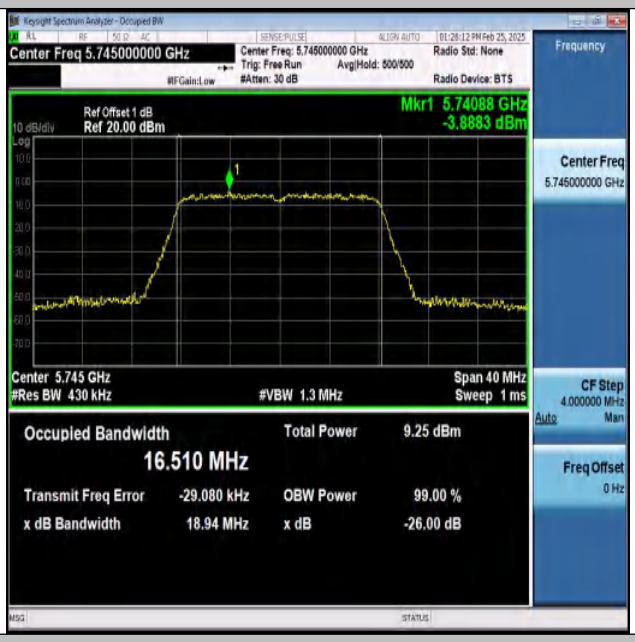


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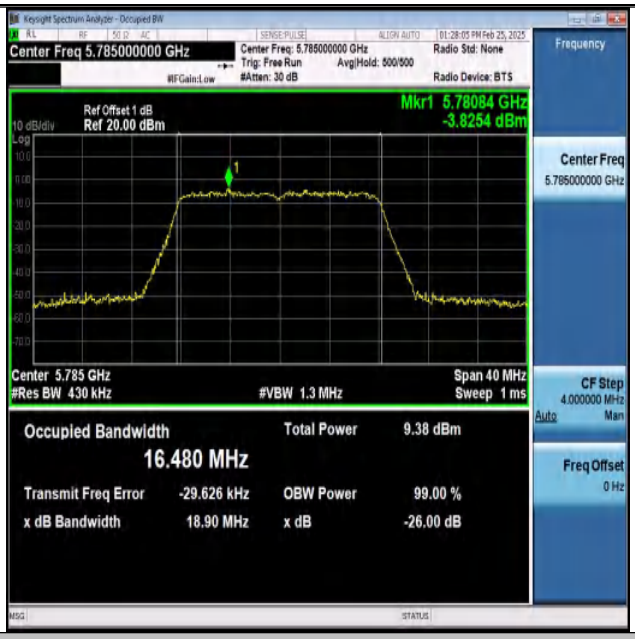


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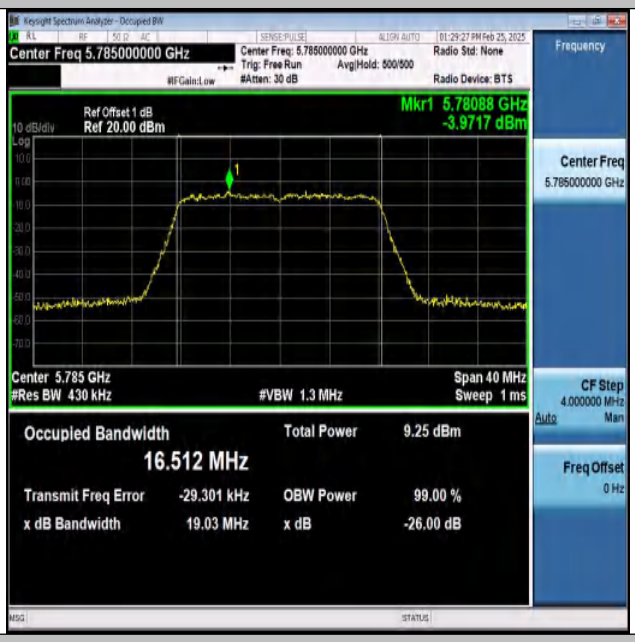


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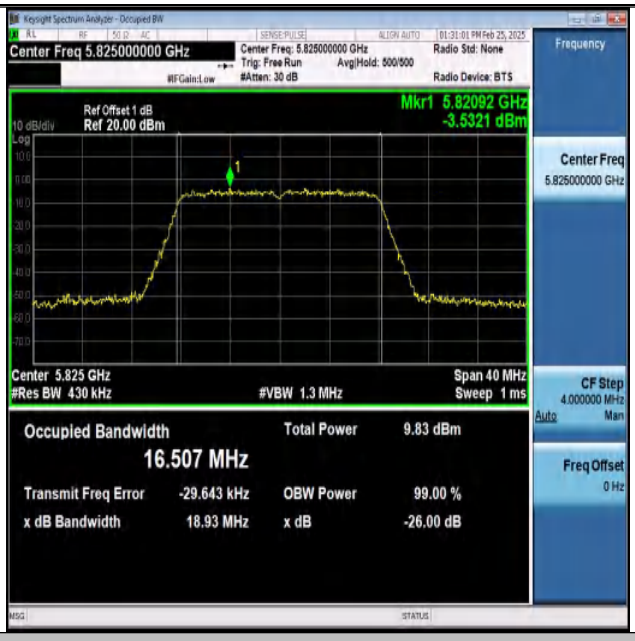


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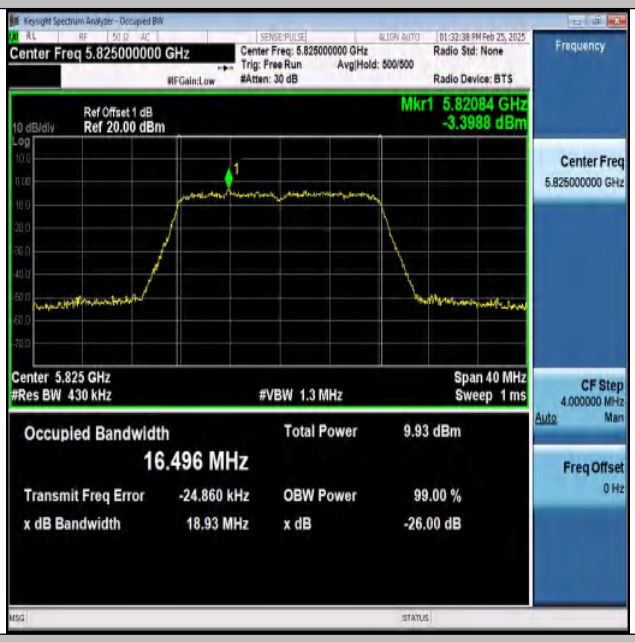


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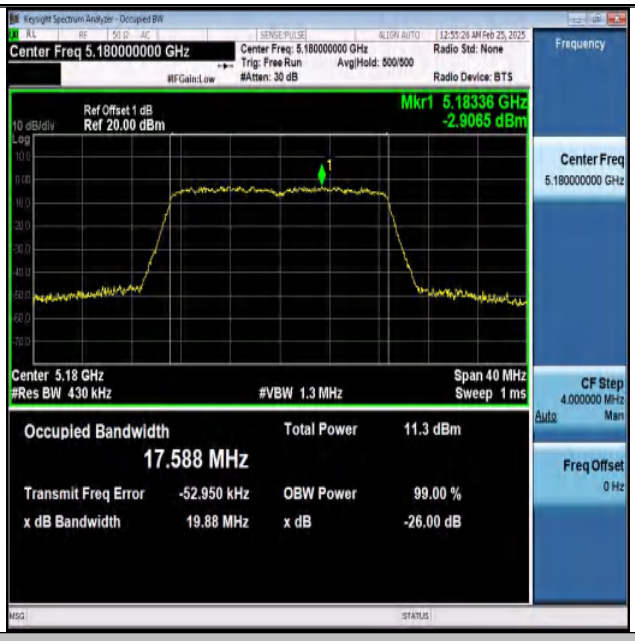
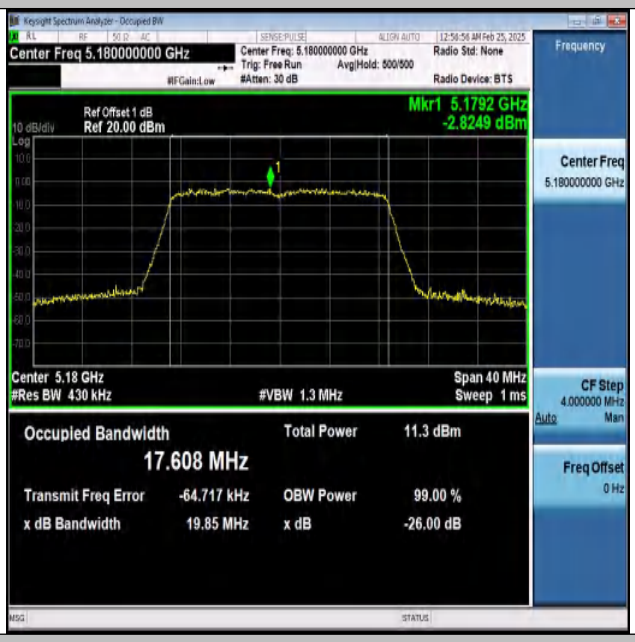



11N20MIMO-Ant1-5180

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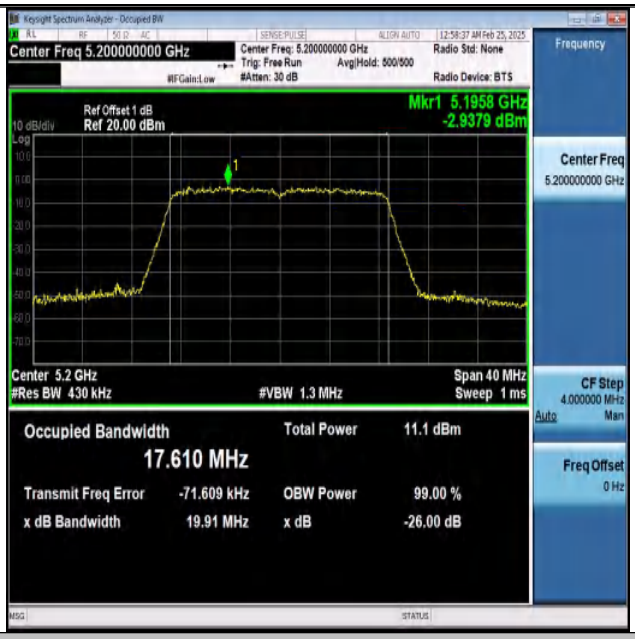


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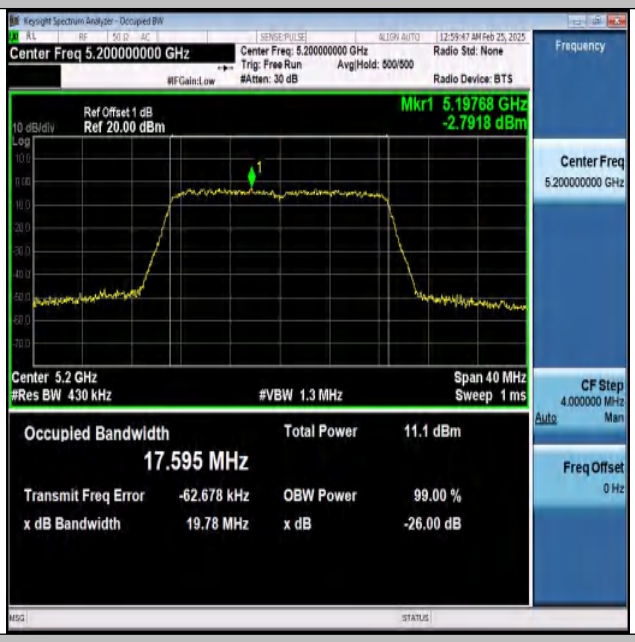
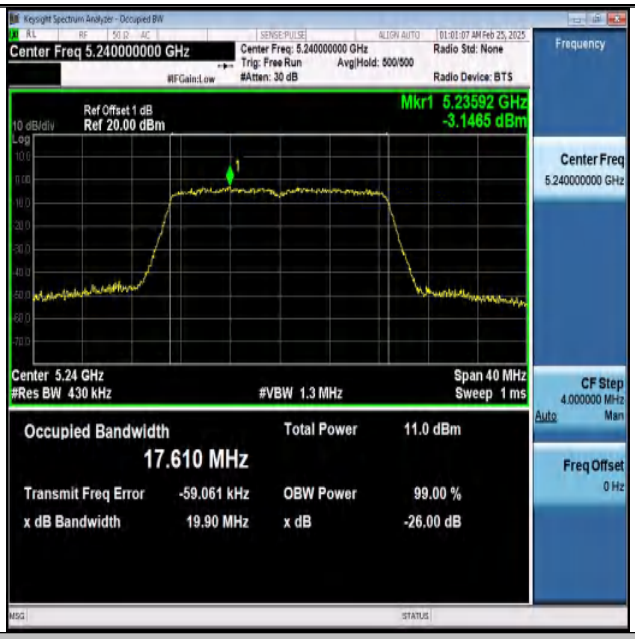
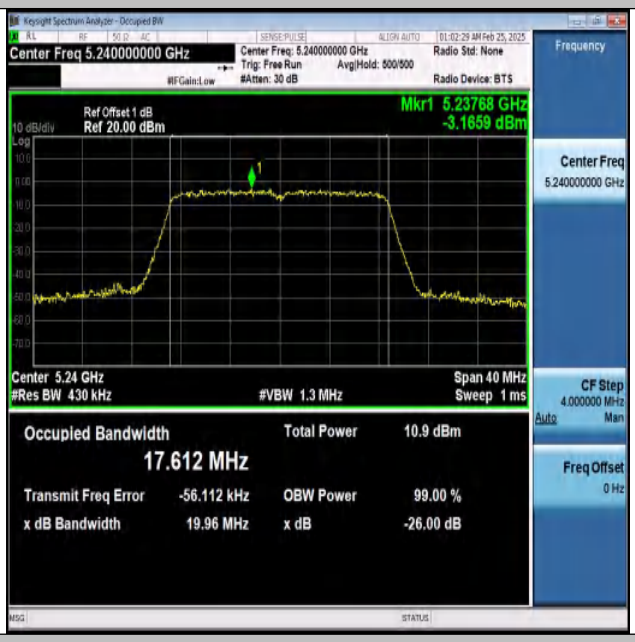



11N20MIMO-Ant2-5200




11N20MIMO-Ant1-5240

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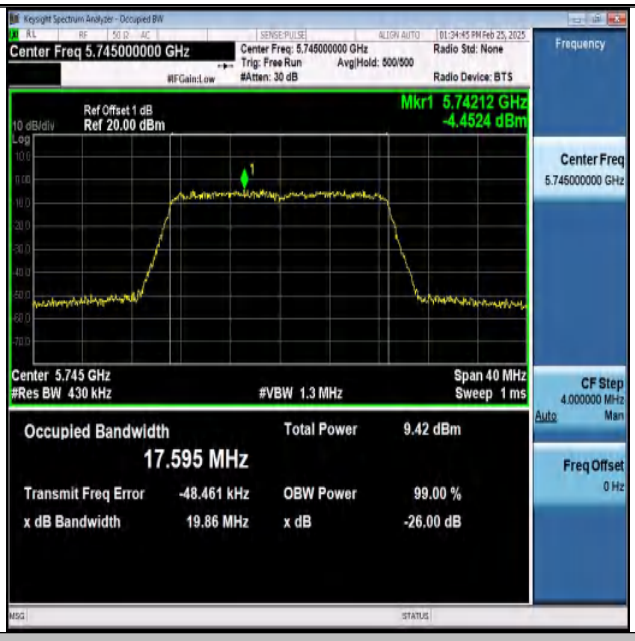
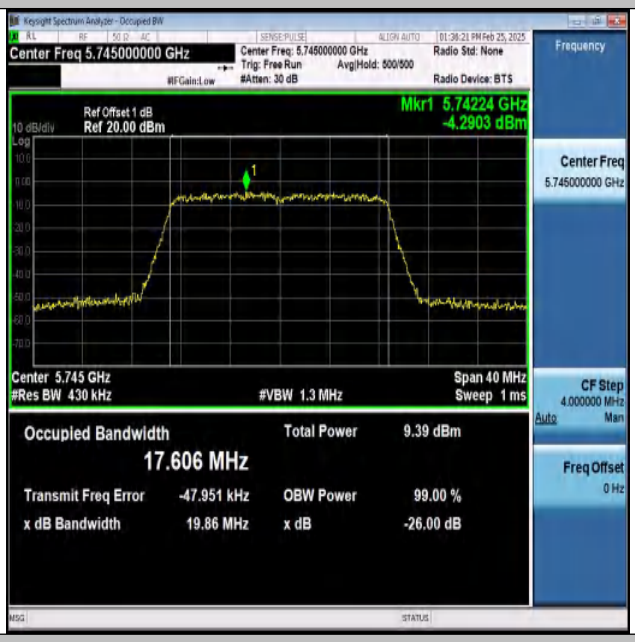



11N20MIMO-Ant1-5745

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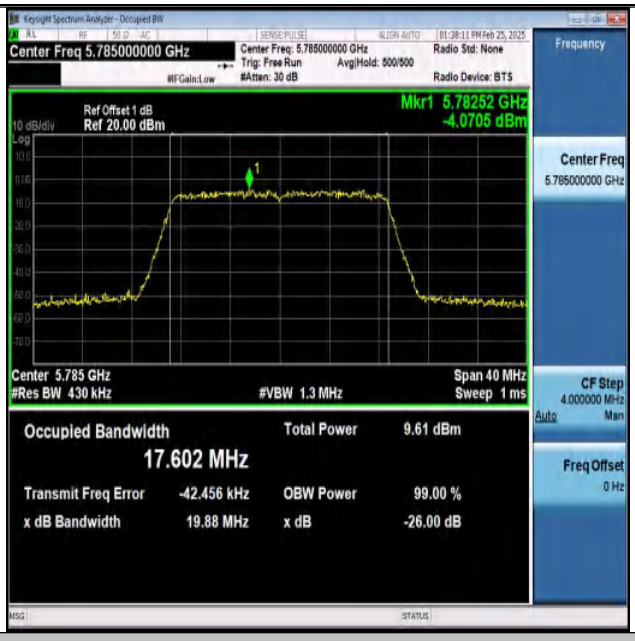
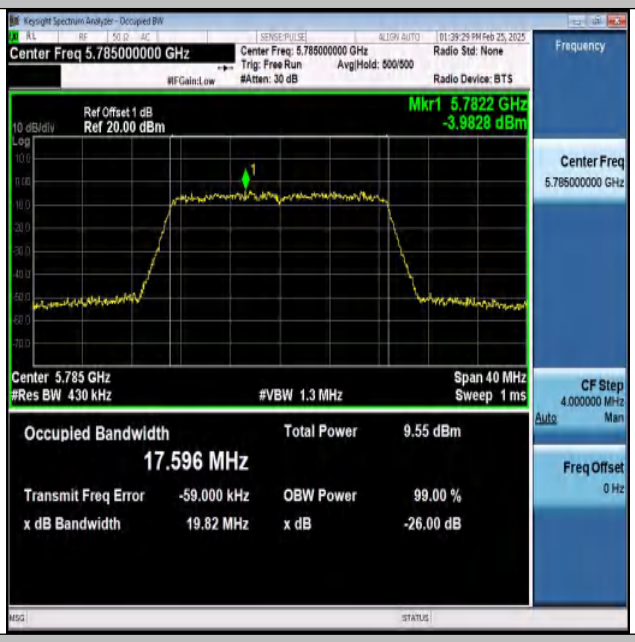



11N20MIMO-Ant1-5785

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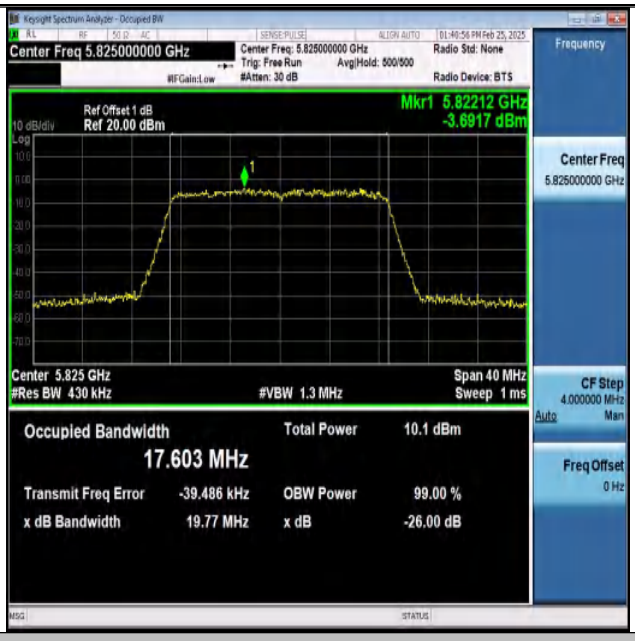
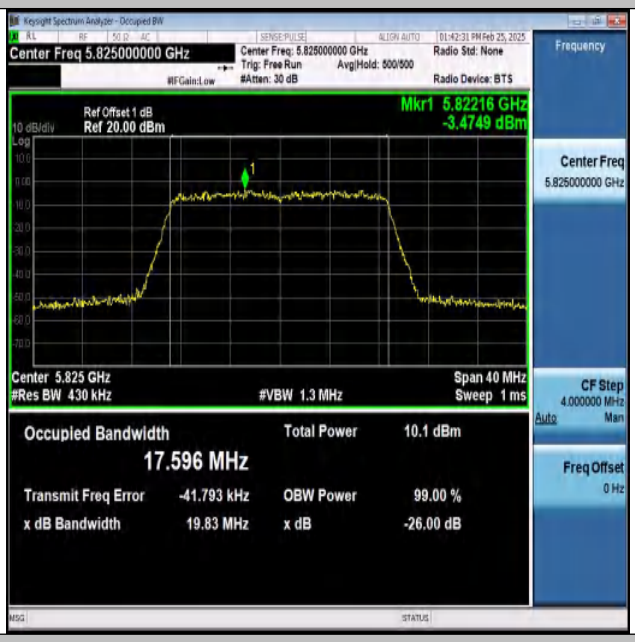



11N20MIMO-Ant1-5825

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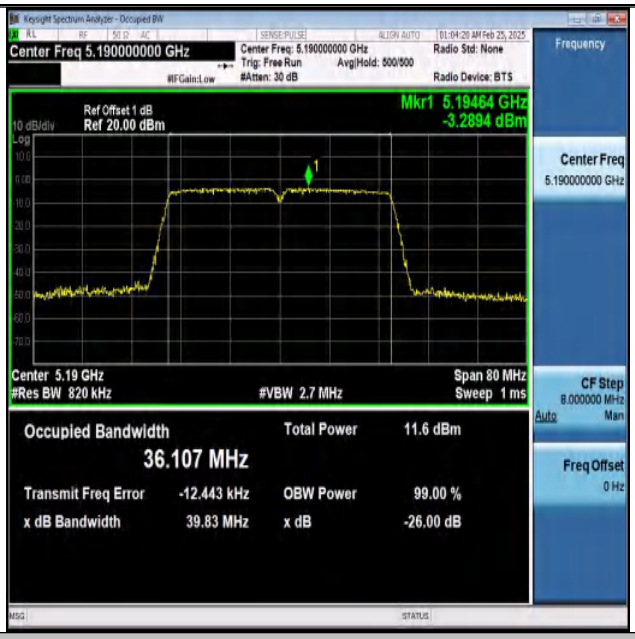
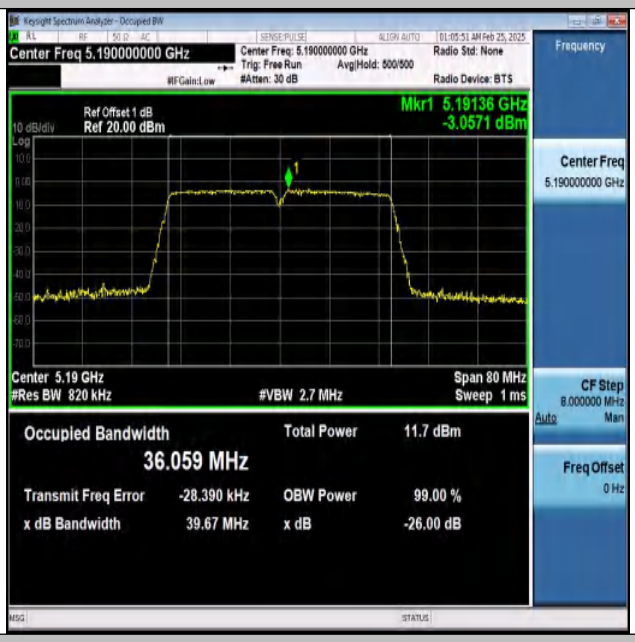



11N40MIMO-Ant1-5190

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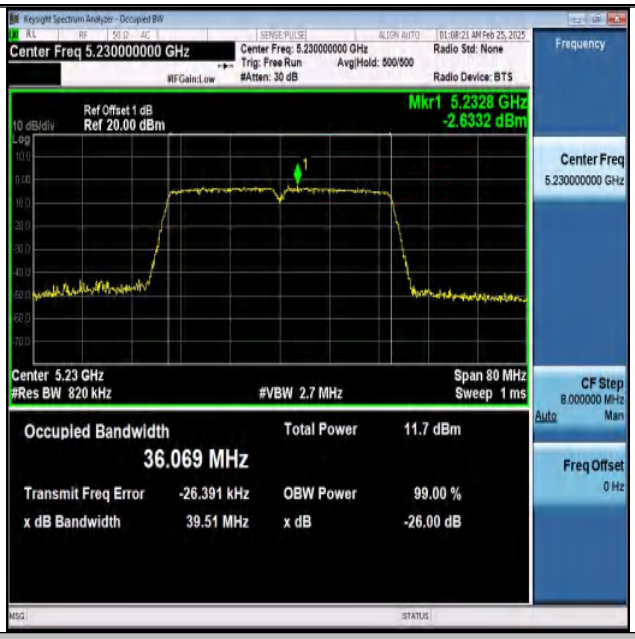
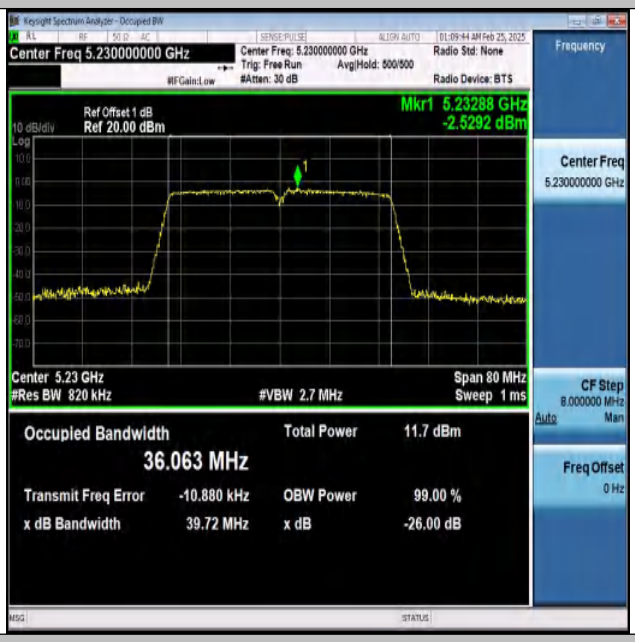



11N40MIMO-Ant1-5230

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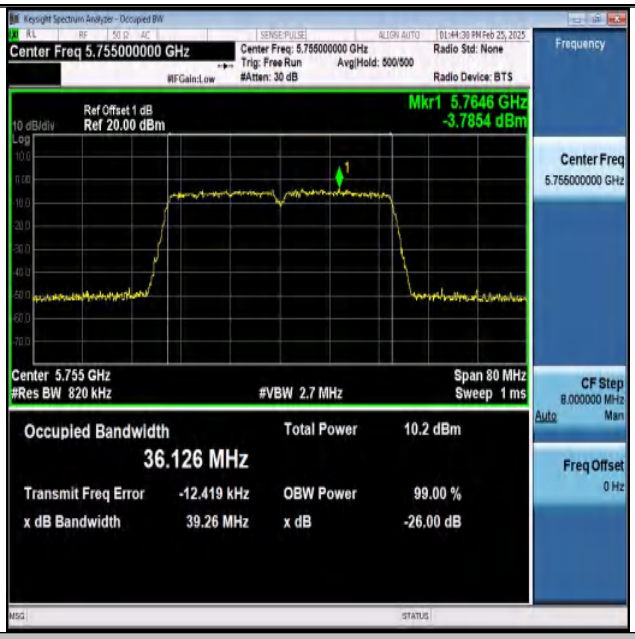
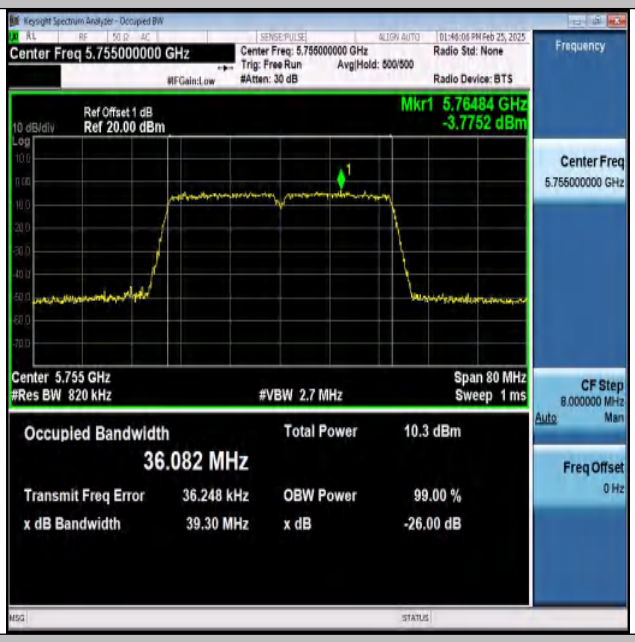



11N40MIMO-Ant1-5755

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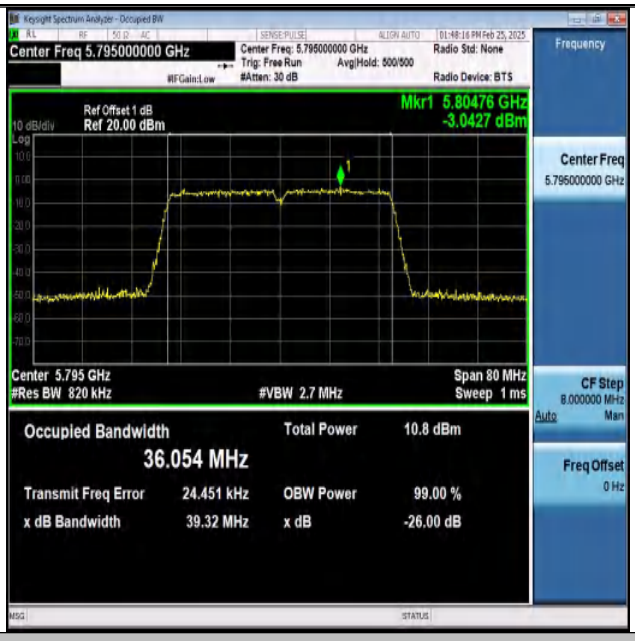
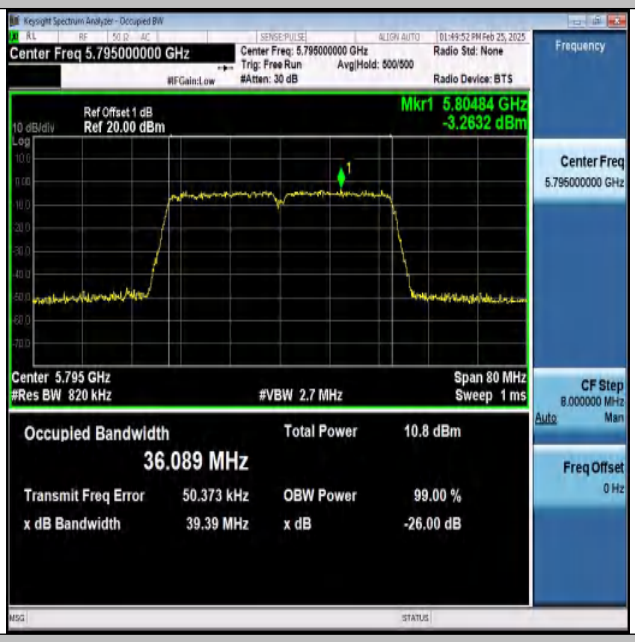



11N40MIMO-Ant1-5795

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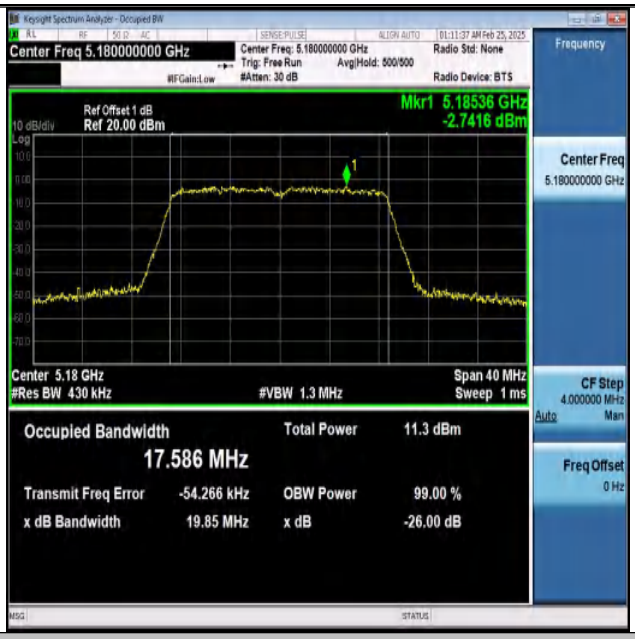
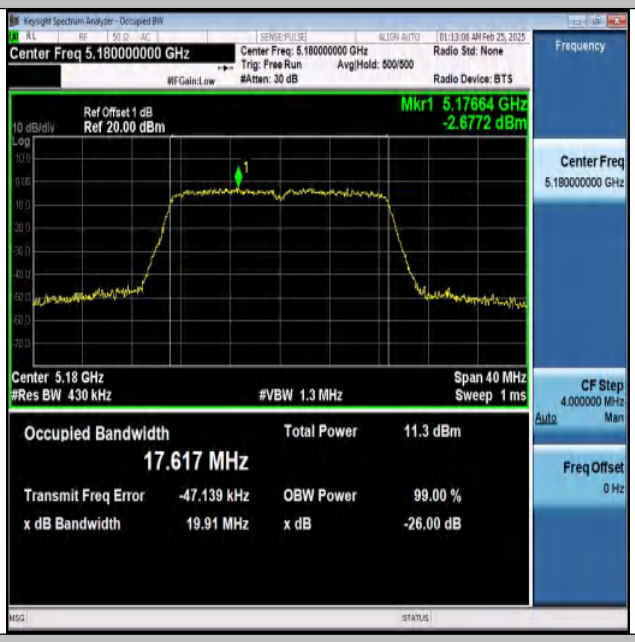



11AC20MIMO-Ant1-5180

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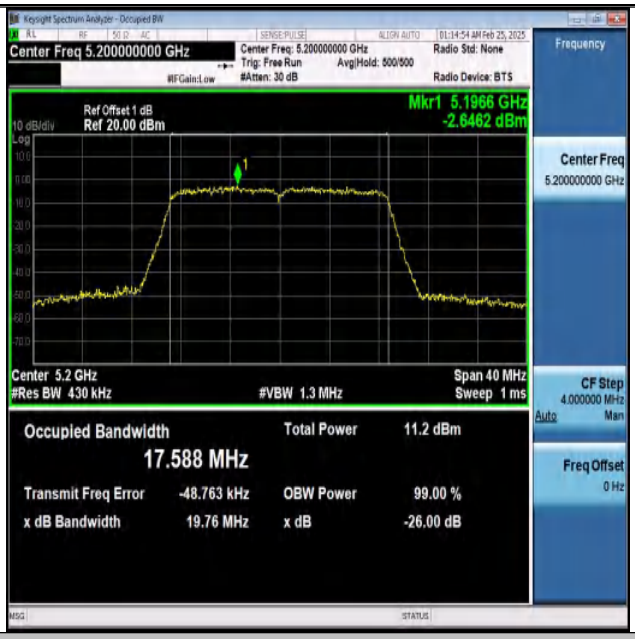


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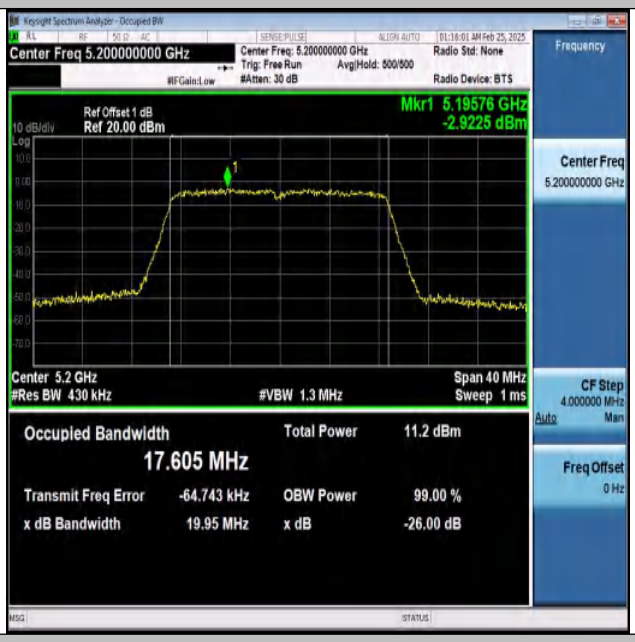


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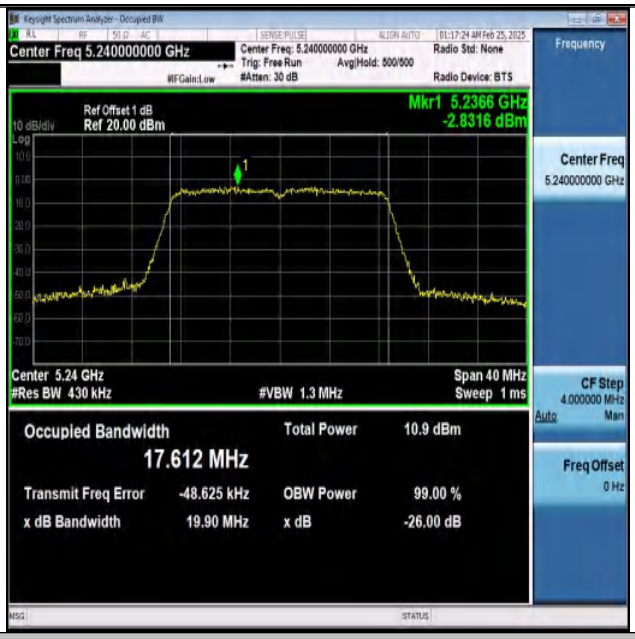
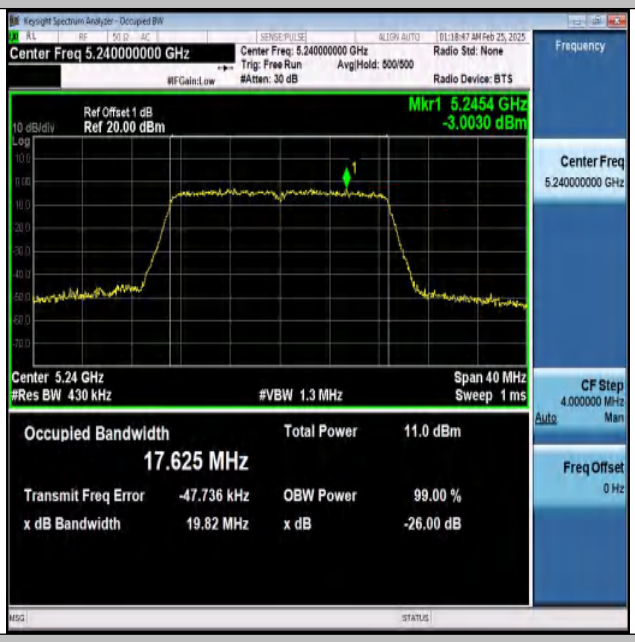



11AC20MIMO-Ant1-5240

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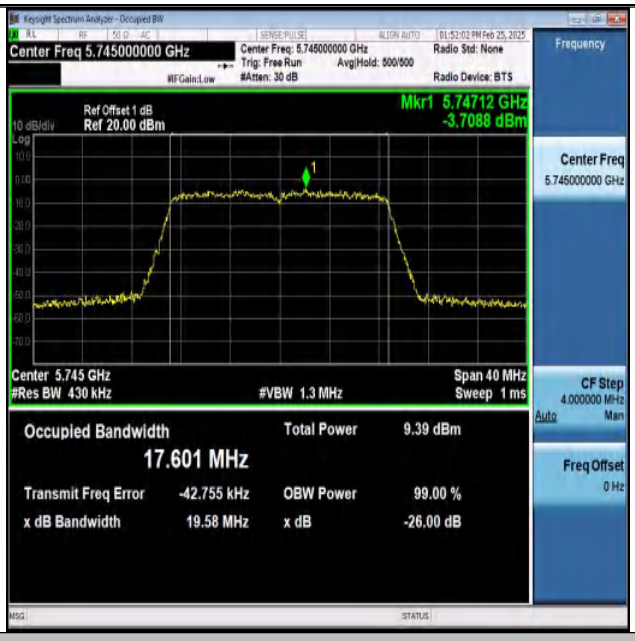


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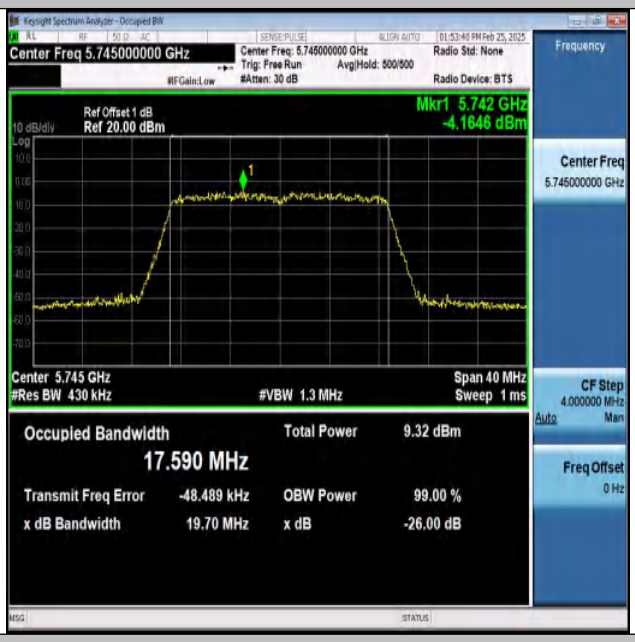


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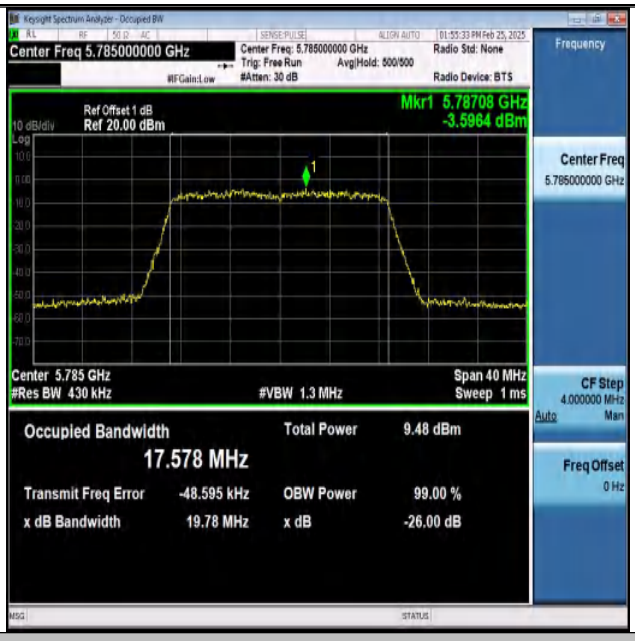
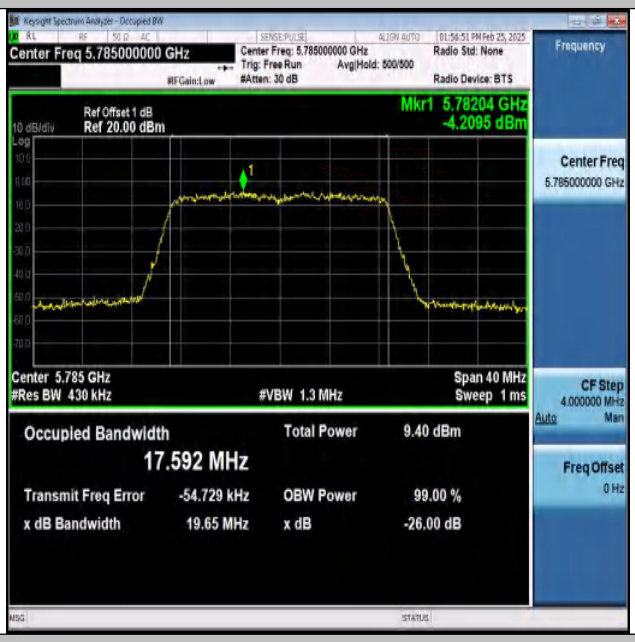



11AC20MIMO-Ant1-5785

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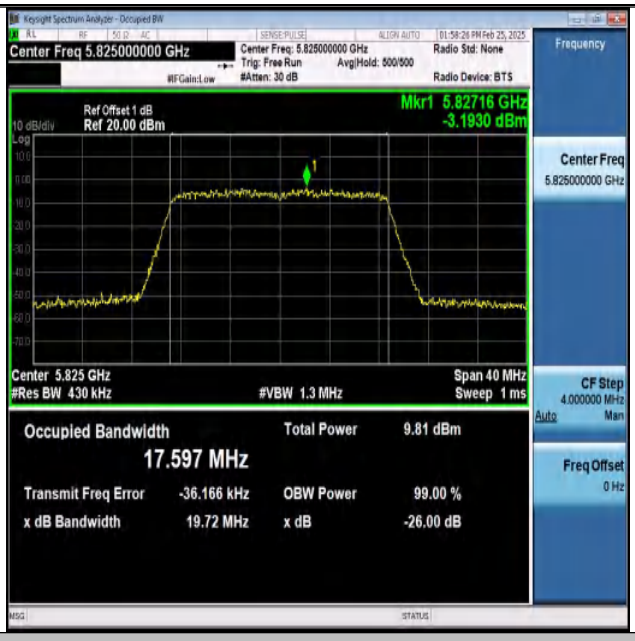


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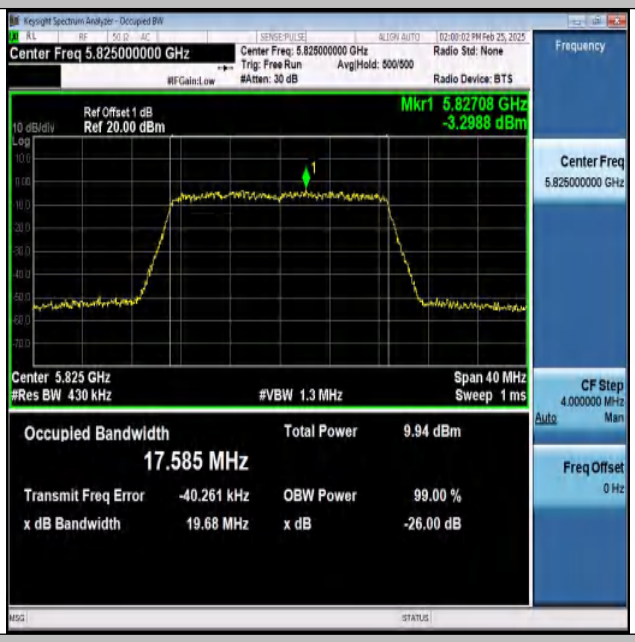


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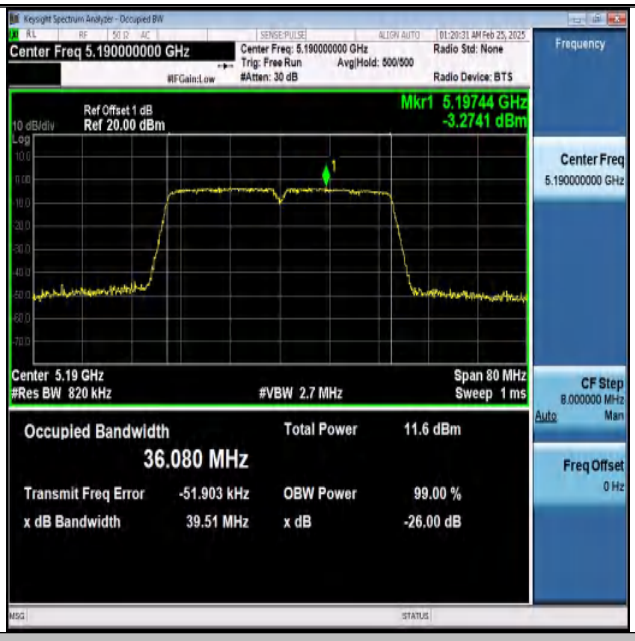
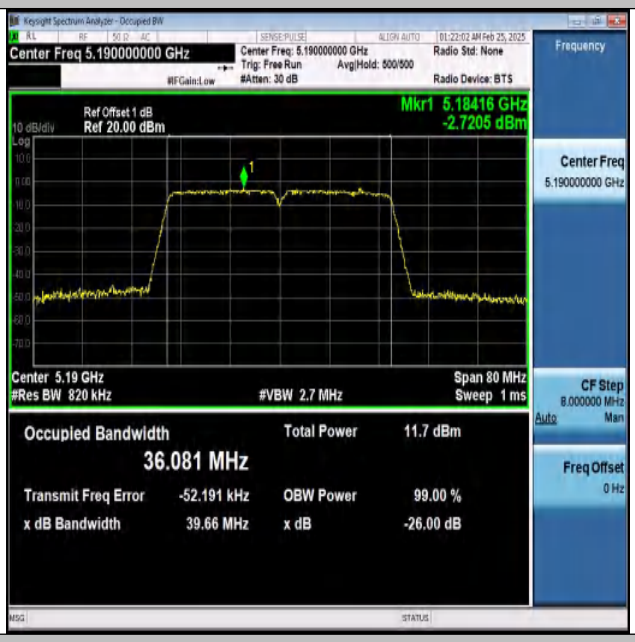



11AC40MIMO-Ant1-5190

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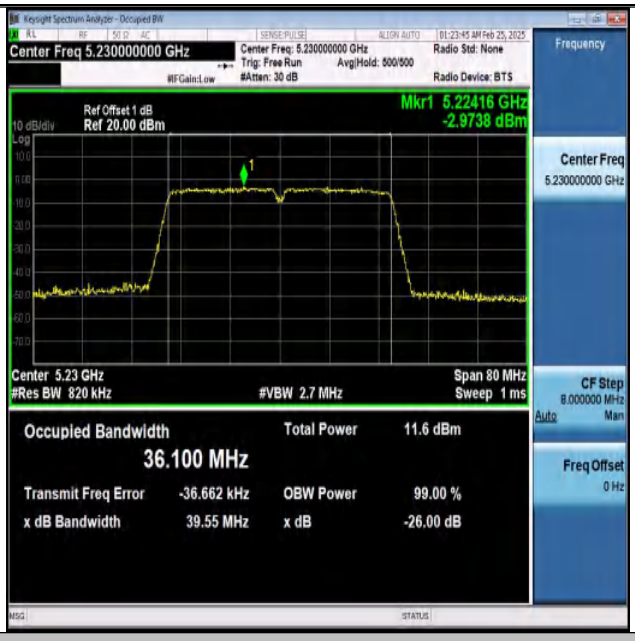
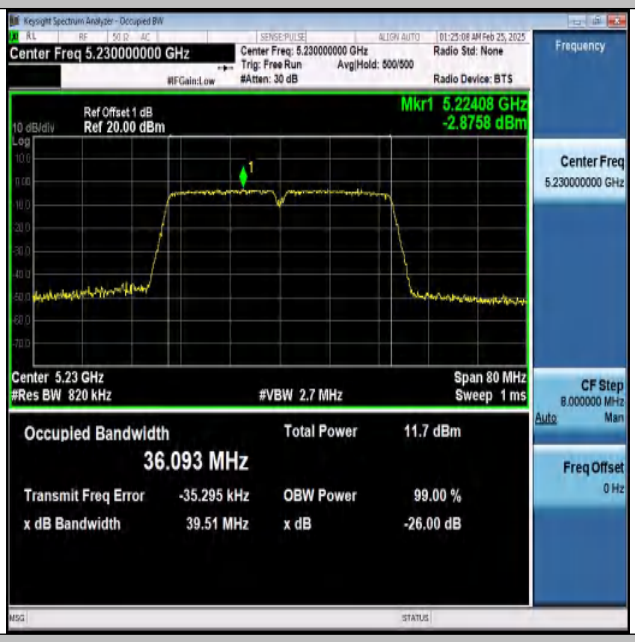



11AC40MIMO-Ant1-5230

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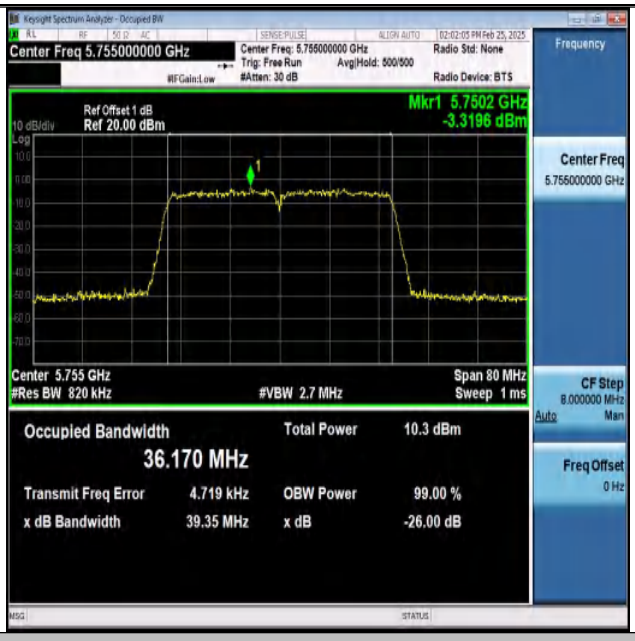


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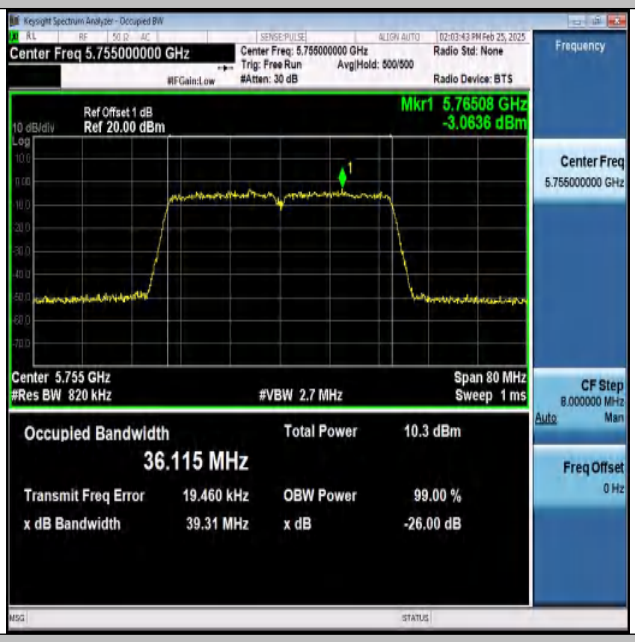


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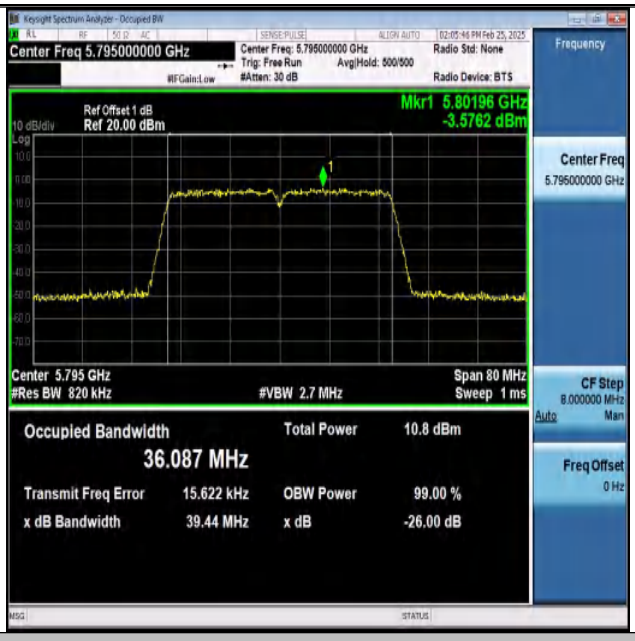
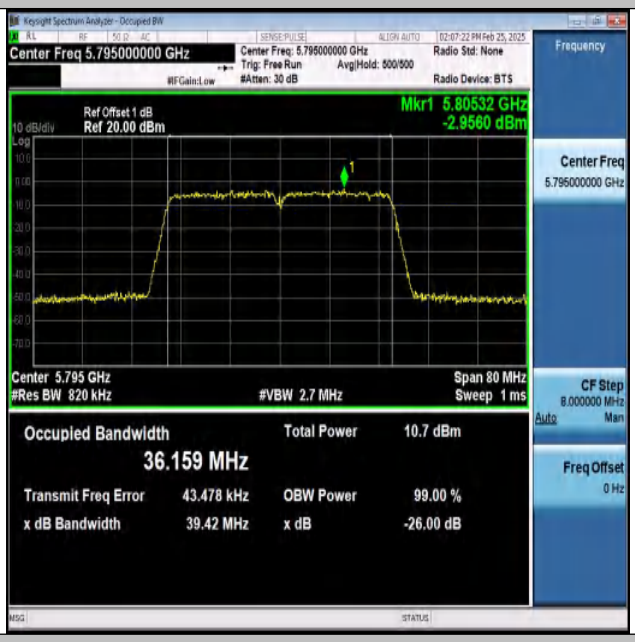



11AC40MIMO-Ant1-5795

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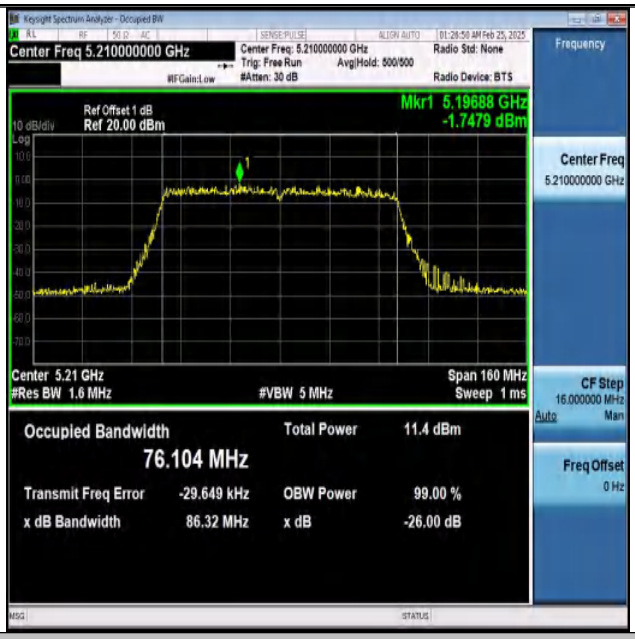
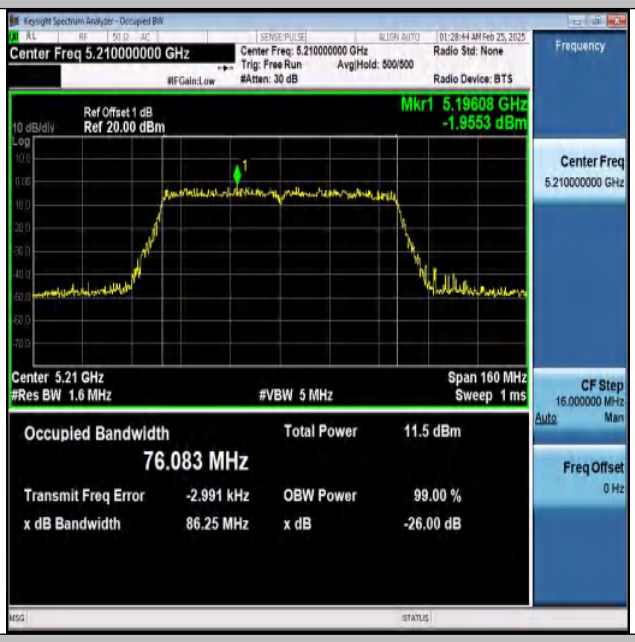



11AC80MIMO-Ant1-5210

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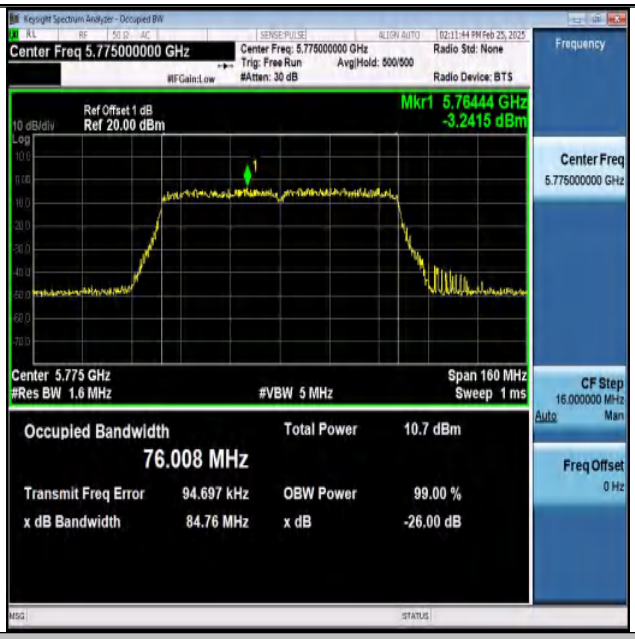


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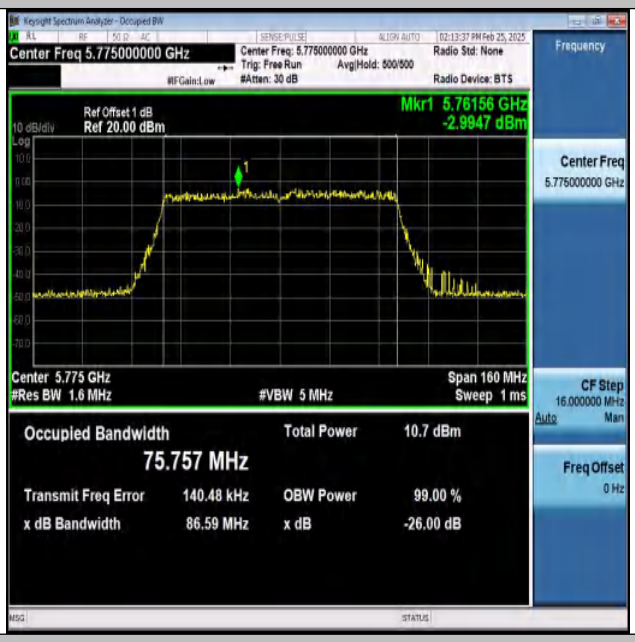


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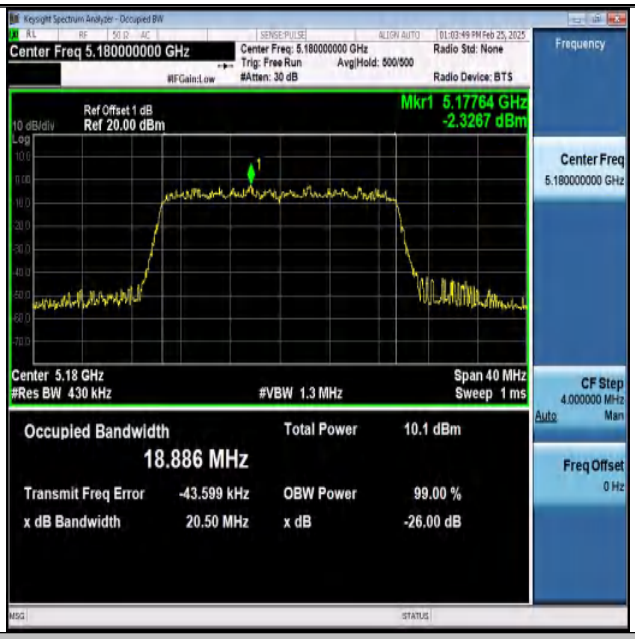


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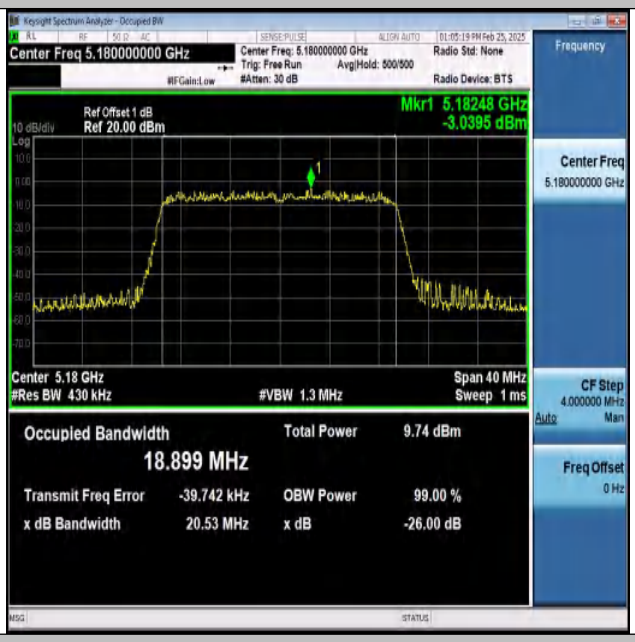


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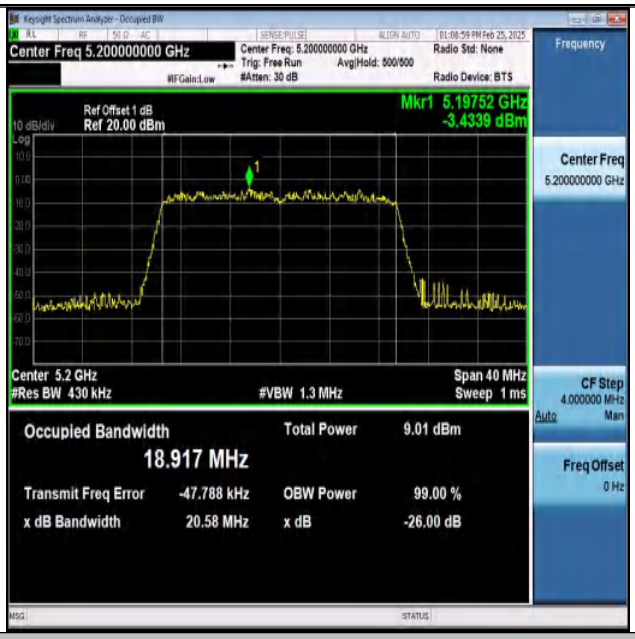


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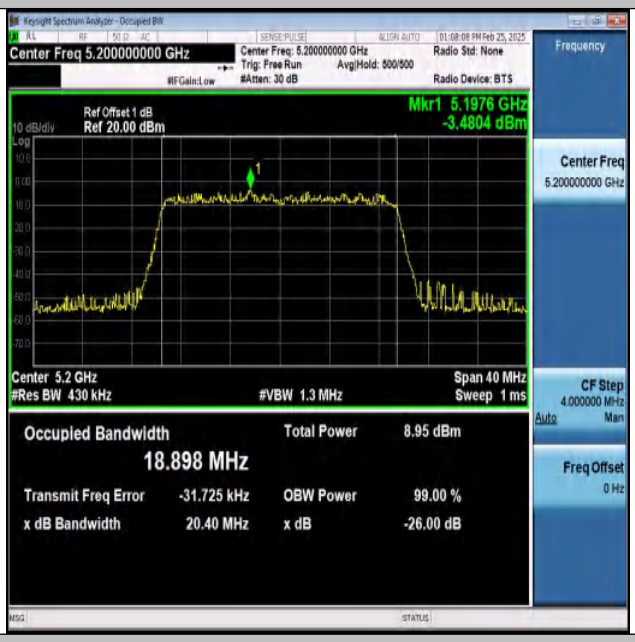


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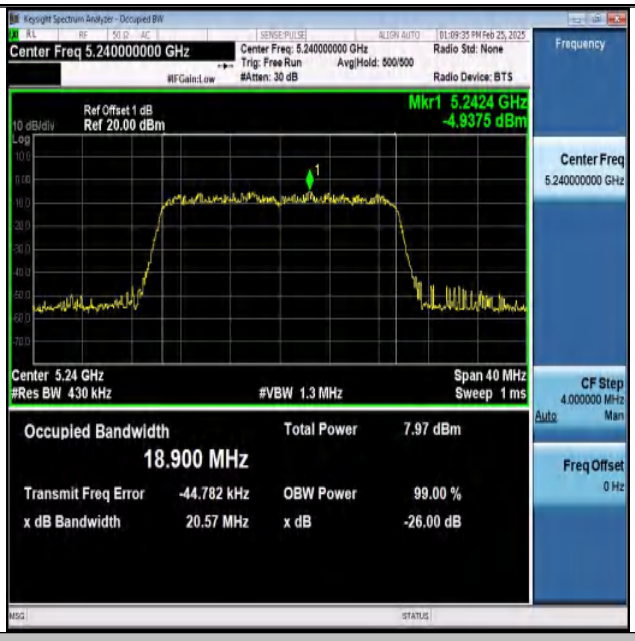


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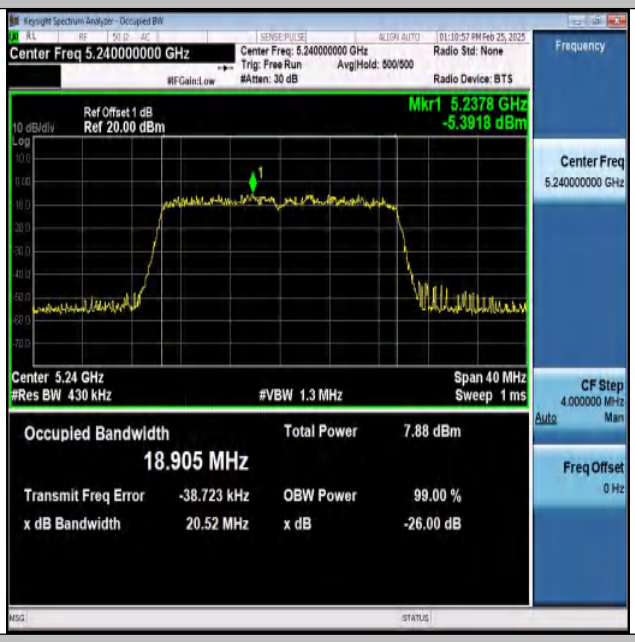


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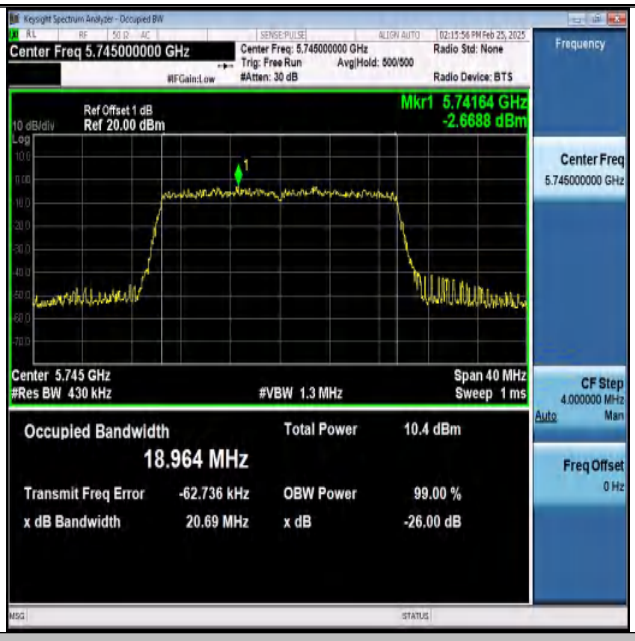


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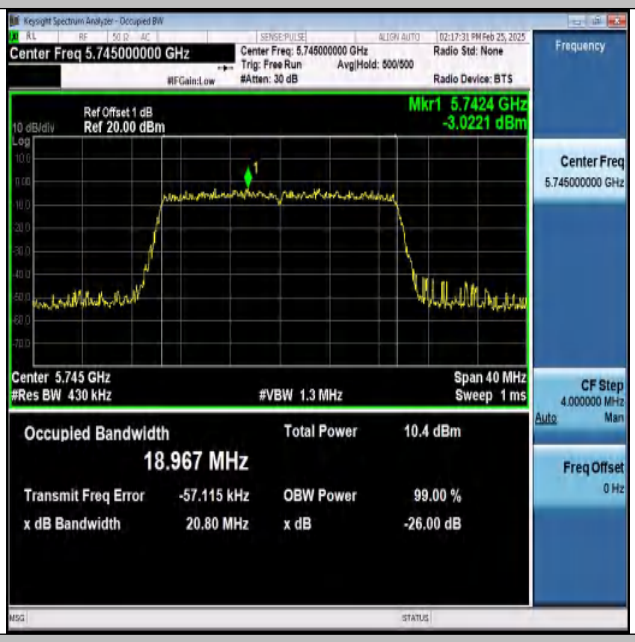
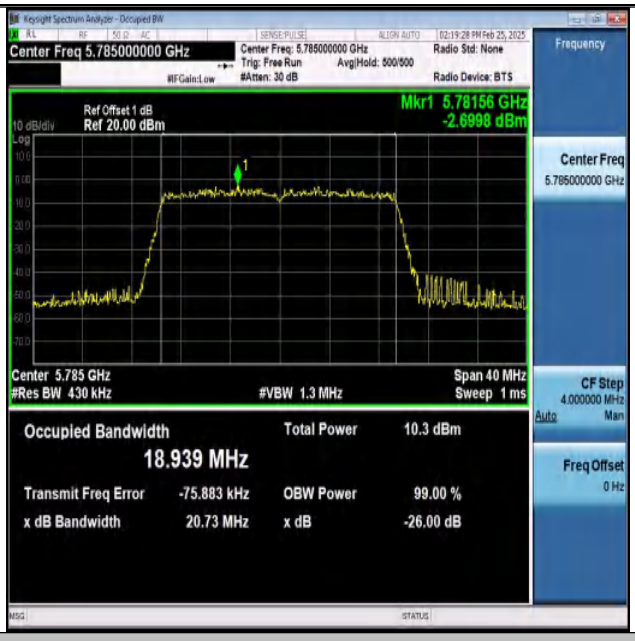



11AX20MIMO-Ant2-5745

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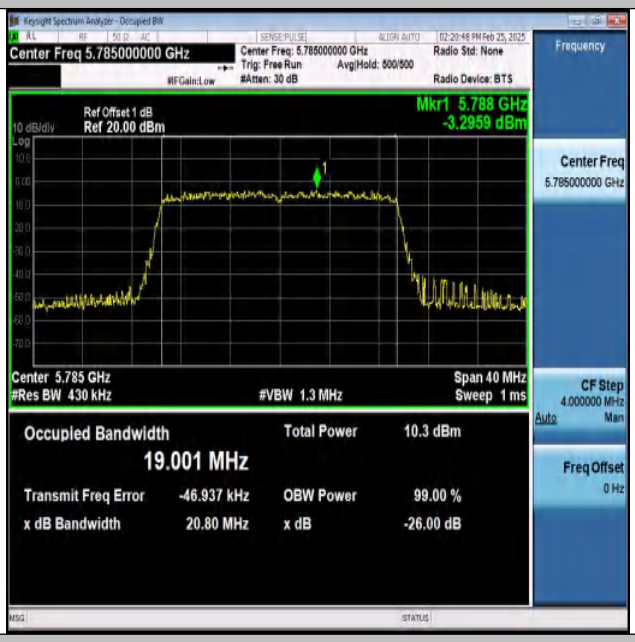


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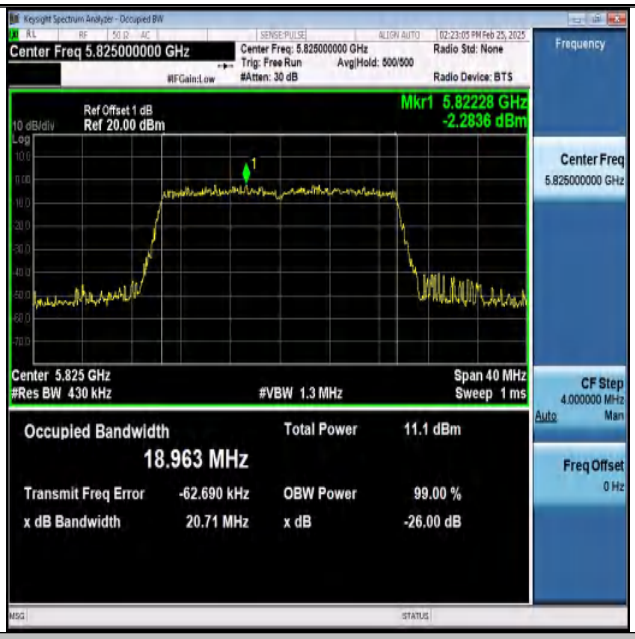


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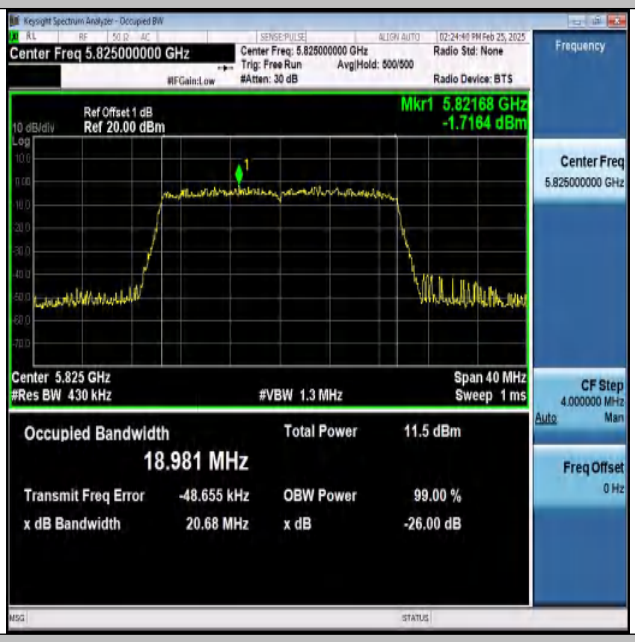
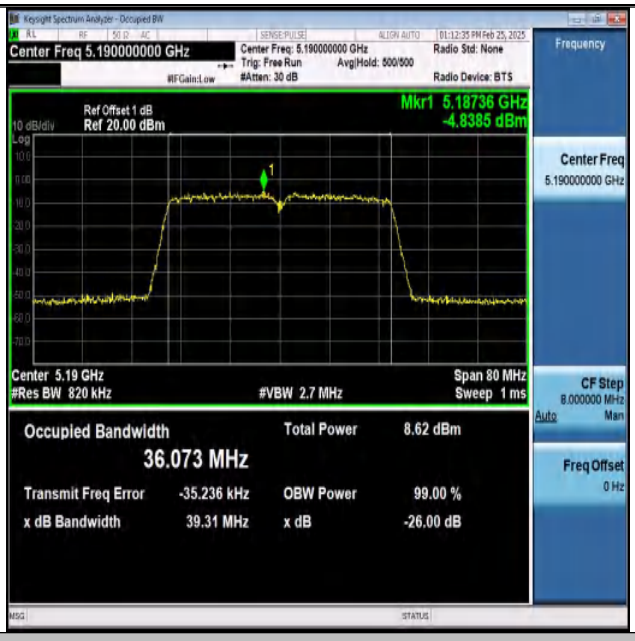



11AX20MIMO-Ant2-5825

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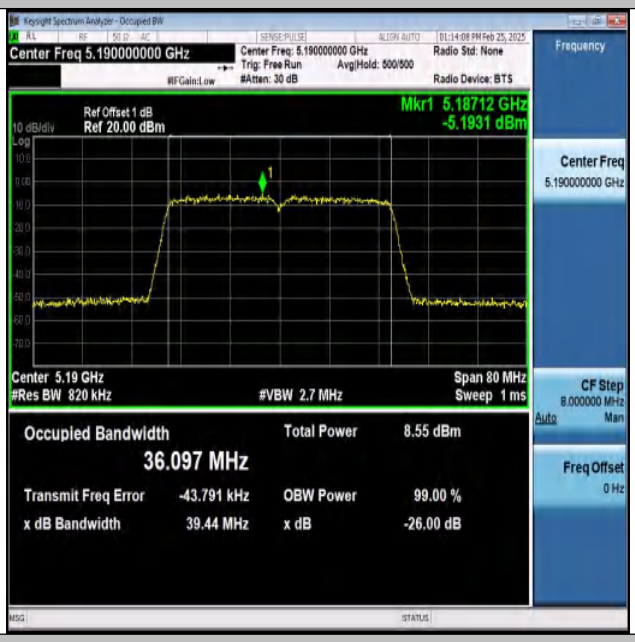


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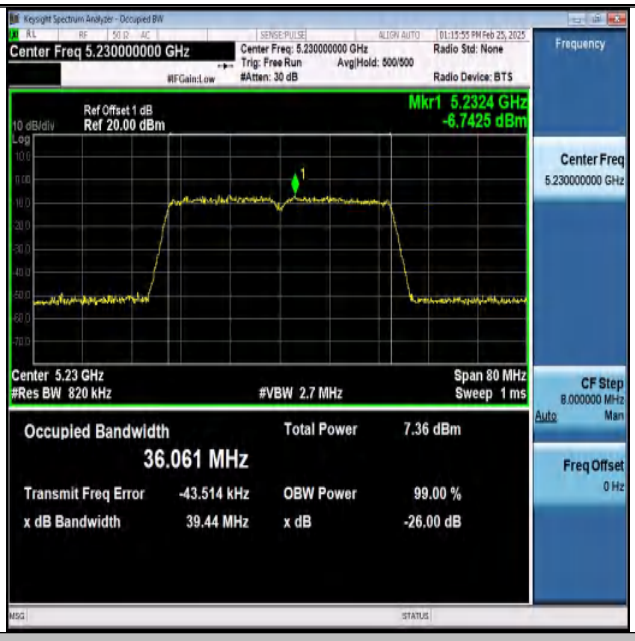


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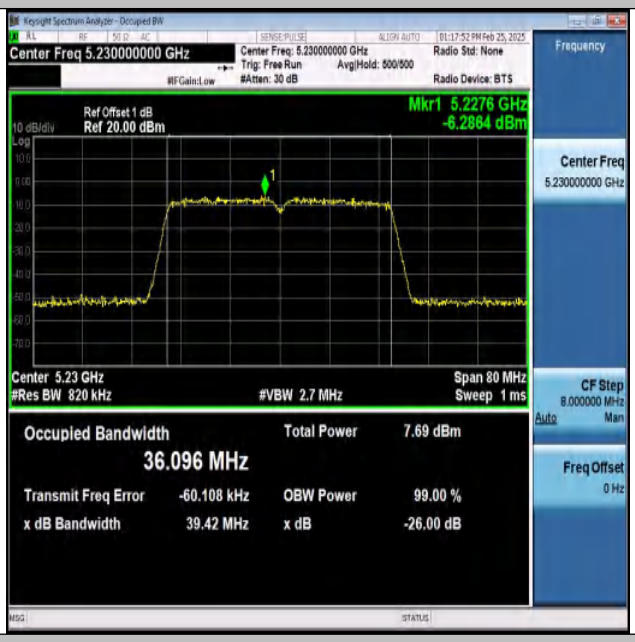


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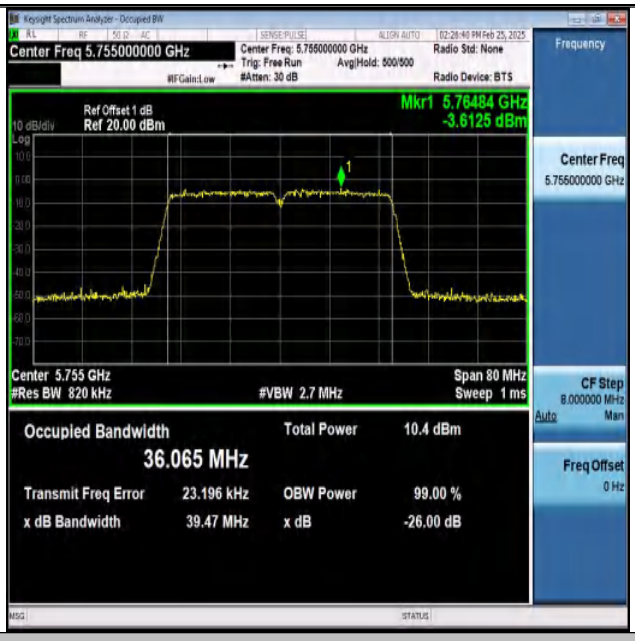
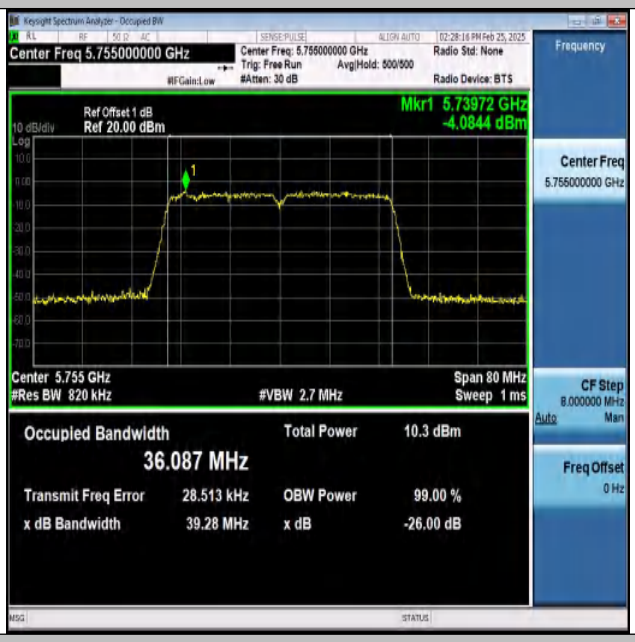



11AX40MIMO-Ant1-5755

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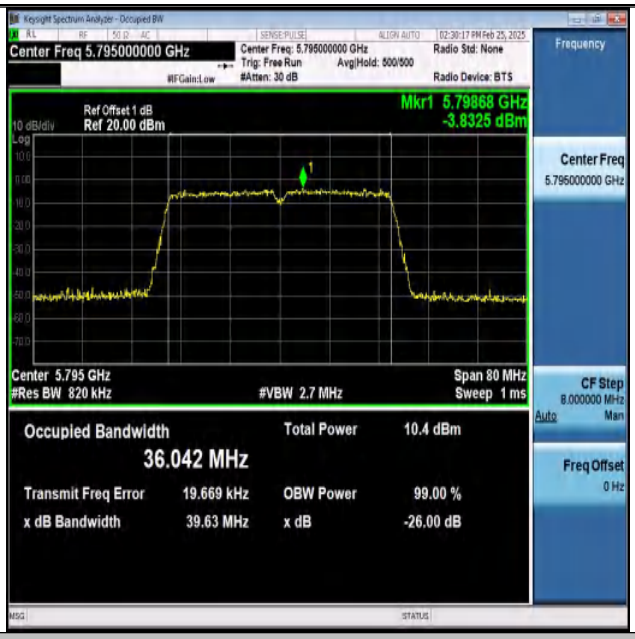
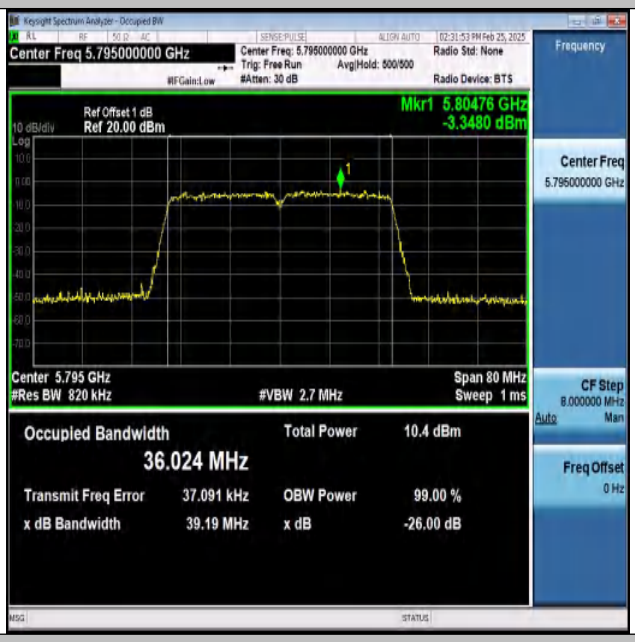



11AX40MIMO-Ant1-5795

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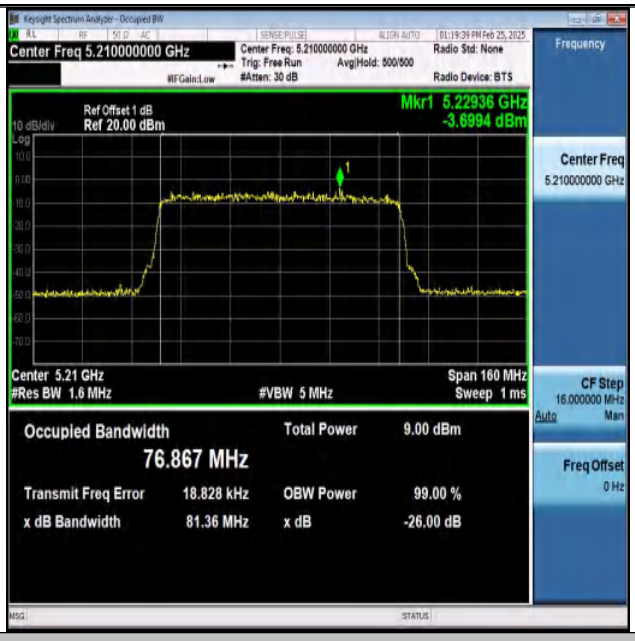
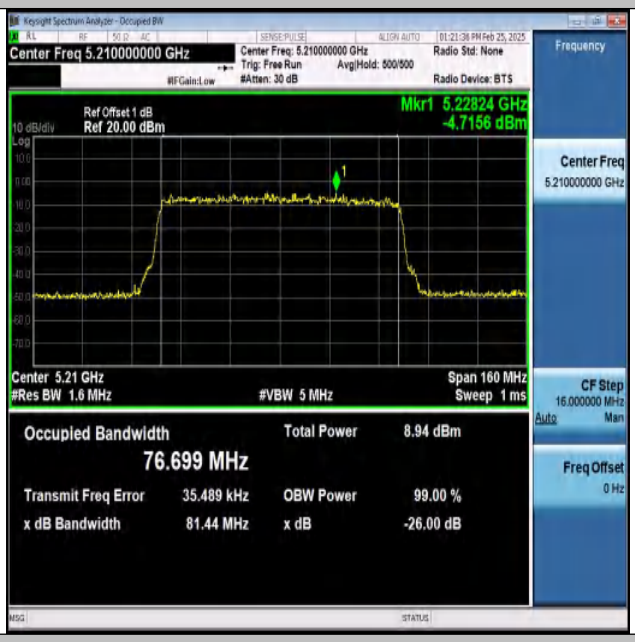
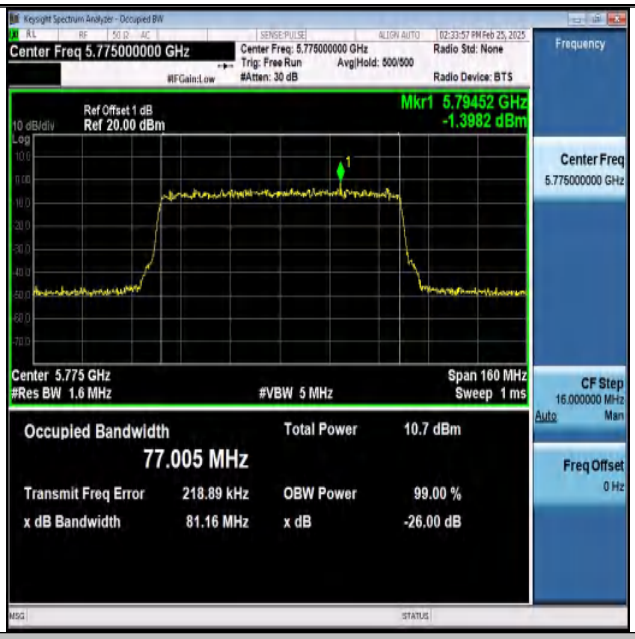


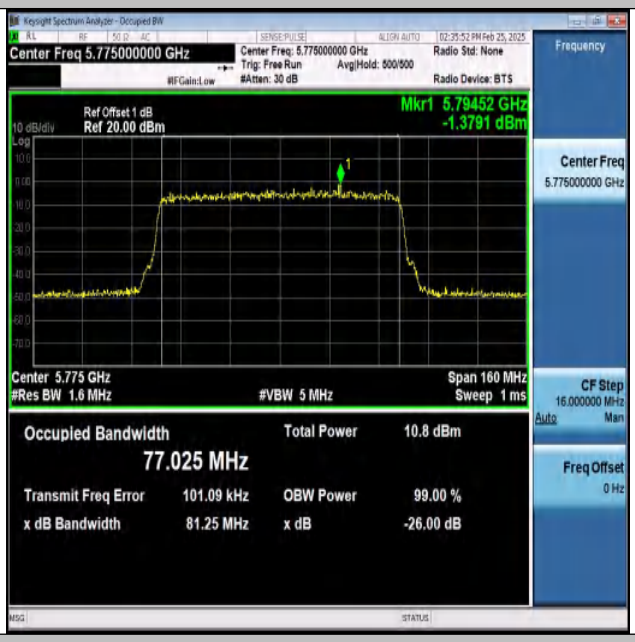

11AX80MIMO-Ant1-5210




11AX80MIMO-Ant2-5210




11AX80MIMO-Ant1-5775




11AX80MIMO-Ant2-5775

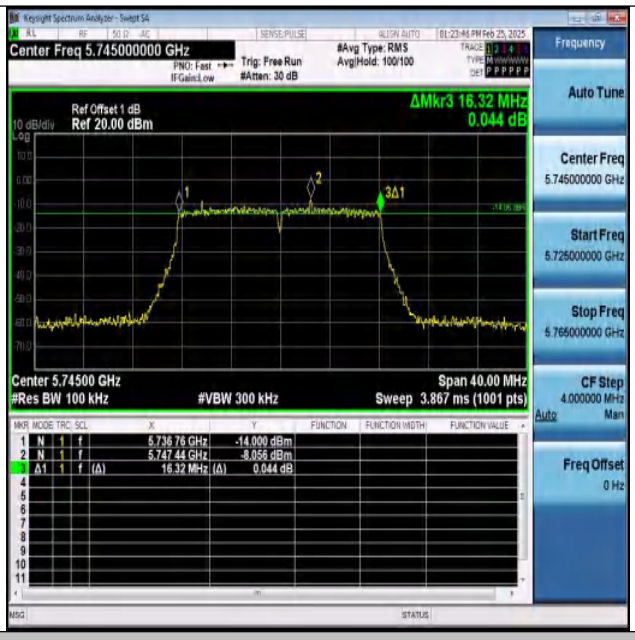
# Appendix A3: Minimum 6dB Bandwidth

## Test Result B4

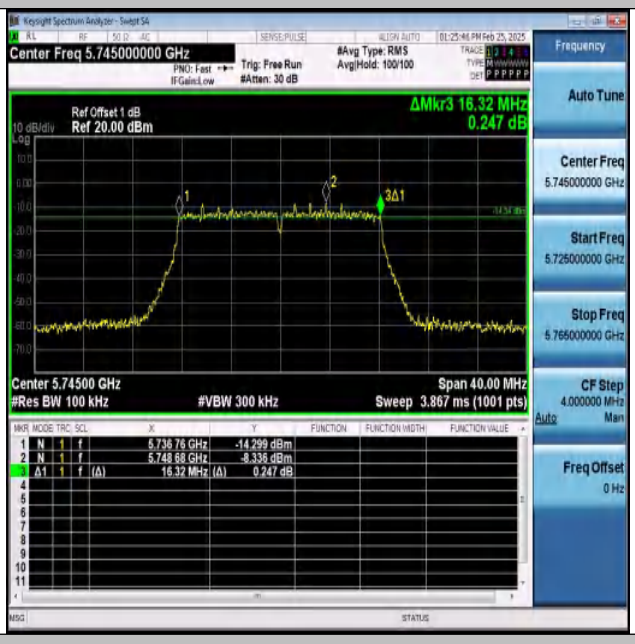
| Test Mode | Antenna | Frequency [MHz] | 6db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|---|---|---|---|---|---|---|---|
| 11A | Ant1 | 5745 | 16.320 | 5736.760 | 5753.080 | 0.5 | PASS |
| 11A | Ant2 | 5745 | 16.320 | 5736.760 | 5753.080 | 0.5 | PASS |
| 11A | Ant1 | 5785 | 16.080 | 5777.000 | 5793.080 | 0.5 | PASS |
| 11A | Ant2 | 5785 | 16.320 | 5776.760 | 5793.080 | 0.5 | PASS |
| 11A | Ant1 | 5825 | 16.080 | 5817.000 | 5833.080 | 0.5 | PASS |
| 11A | Ant2 | 5825 | 16.320 | 5816.760 | 5833.080 | 0.5 | PASS |
| 11N20MIMO | Ant1 | 5745 | 17.040 | 5736.400 | 5753.440 | 0.5 | PASS |
| 11N20MIMO | Ant2 | 5745 | 17.560 | 5736.160 | 5753.720 | 0.5 | PASS |
| 11N20MIMO | Ant1 | 5785 | 17.320 | 5776.360 | 5793.680 | 0.5 | PASS |
| 11N20MIMO | Ant2 | 5785 | 16.840 | 5776.560 | 5793.400 | 0.5 | PASS |
| 11N20MIMO | Ant1 | 5825 | 17.280 | 5816.400 | 5833.680 | 0.5 | PASS |
| 11N20MIMO | Ant2 | 5825 | 17.360 | 5816.320 | 5833.680 | 0.5 | PASS |
| 11N40MIMO | Ant1 | 5755 | 35.760 | 5737.160 | 5772.920 | 0.5 | PASS |
| 11N40MIMO | Ant2 | 5755 | 36.160 | 5736.840 | 5773.000 | 0.5 | PASS |
| 11N40MIMO | Ant1 | 5795 | 36.320 | 5776.840 | 5813.160 | 0.5 | PASS |
| 11N40MIMO | Ant2 | 5795 | 33.840 | 5778.840 | 5812.680 | 0.5 | PASS |
| 11AC20MIMO | Ant1 | 5745 | 17.400 | 5736.280 | 5753.680 | 0.5 | PASS |
| 11AC20MIMO | Ant2 | 5745 | 17.000 | 5736.320 | 5753.320 | 0.5 | PASS |
| 11AC20MIMO | Ant1 | 5785 | 17.360 | 5776.320 | 5793.680 | 0.5 | PASS |
| 11AC20MIMO | Ant2 | 5785 | 17.120 | 5776.320 | 5793.440 | 0.5 | PASS |
| 11AC20MIMO | Ant1 | 5825 | 17.400 | 5816.280 | 5833.680 | 0.5 | PASS |
| 11AC20MIMO | Ant2 | 5825 | 17.600 | 5816.120 | 5833.720 | 0.5 | PASS |
| 11AC40MIMO | Ant1 | 5755 | 35.520 | 5737.160 | 5772.680 | 0.5 | PASS |
| 11AC40MIMO | Ant2 | 5755 | 35.600 | 5737.000 | 5772.600 | 0.5 | PASS |
| 11AC40MIMO | Ant1 | 5795 | 35.280 | 5777.400 | 5812.680 | 0.5 | PASS |
| 11AC40MIMO | Ant2 | 5795 | 36.160 | 5777.000 | 5813.160 | 0.5 | PASS |
| 11AC80MIMO | Ant1 | 5775 | 75.360 | 5737.400 | 5812.760 | 0.5 | PASS |
| 11AC80MIMO | Ant2 | 5775 | 74.560 | 5737.400 | 5811.960 | 0.5 | PASS |
| 11AX20MIMO | Ant1 | 5745 | 18.880 | 5735.480 | 5754.360 | 0.5 | PASS |
| 11AX20MIMO | Ant2 | 5745 | 18.160 | 5735.680 | 5753.840 | 0.5 | PASS |
| 11AX20MIMO | Ant1 | 5785 | 18.040 | 5776.000 | 5794.040 | 0.5 | PASS |
| 11AX20MIMO | Ant2 | 5785 | 17.520 | 5776.280 | 5793.800 | 0.5 | PASS |
| 11AX20MIMO | Ant1 | 5825 | 17.520 | 5816.040 | 5833.560 | 0.5 | PASS |
| 11AX20MIMO | Ant2 | 5825 | 18.200 | 5815.520 | 5833.720 | 0.5 | PASS |
| 11AX40MIMO | Ant1 | 5755 | 35.840 | 5737.000 | 5772.840 | 0.5 | PASS |
| 11AX40MIMO | Ant2 | 5755 | 36.000 | 5737.000 | 5773.000 | 0.5 | PASS |
| 11AX40MIMO | Ant1 | 5795 | 35.920 | 5777.000 | 5812.920 | 0.5 | PASS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 11AX40MIMO | Ant2 | 5795 | 35.200 | 5777.560 | 5812.760 | 0.5 | PASS |
| 11AX80MIMO | Ant1 | 5775 | 76.320 | 5736.440 | 5812.760 | 0.5 | PASS |
| 11AX80MIMO | Ant2 | 5775 | 75.040 | 5737.400 | 5812.440 | 0.5 | PASS |

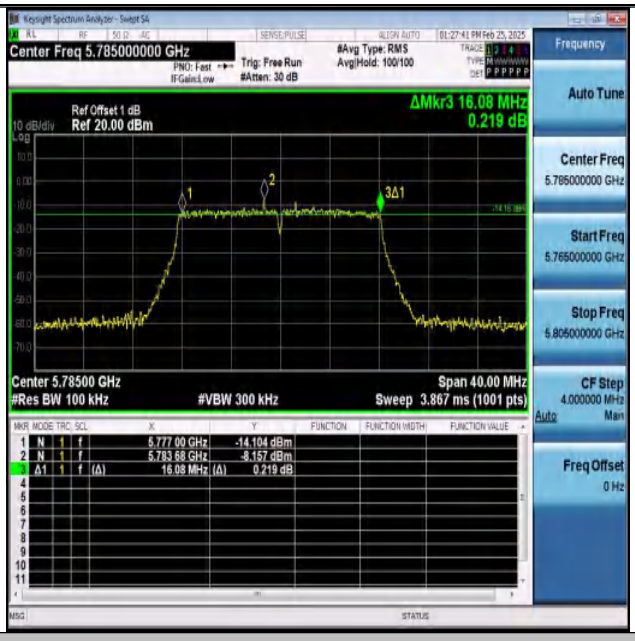
## Test Graphs B4



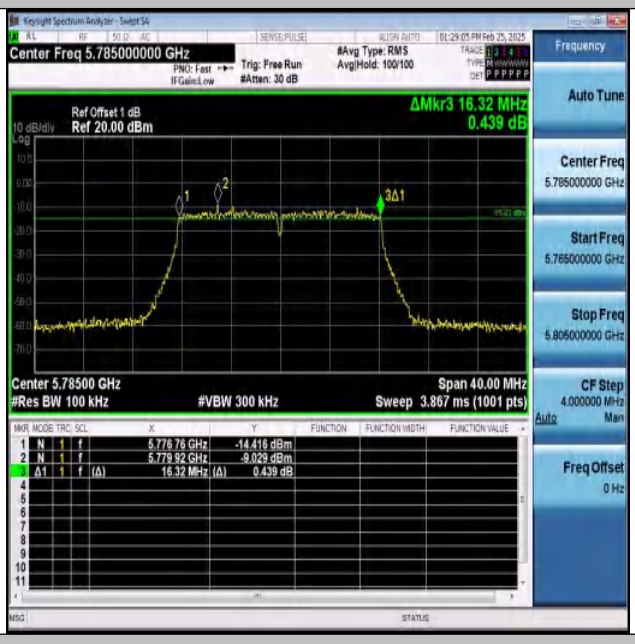

11A-Ant1-5745-PASS



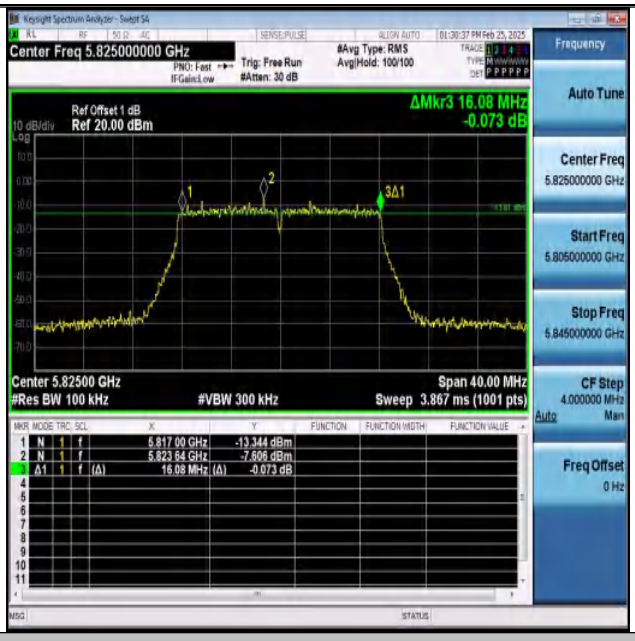

11A-Ant2-5745-PASS



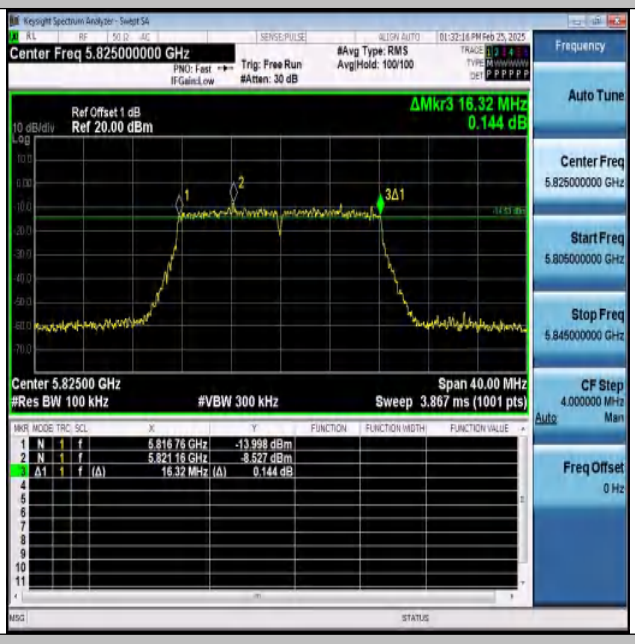

11A-Ant1-5785-PASS




11A-Ant2-5785-PASS




11A-Ant1-5825-PASS

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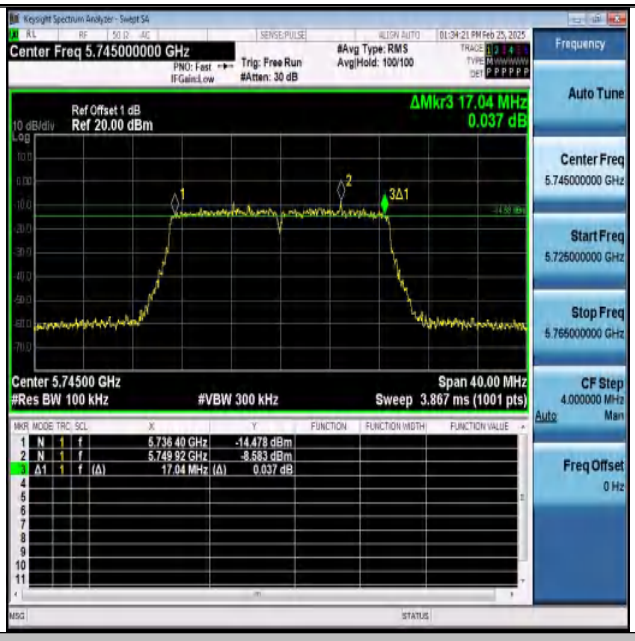
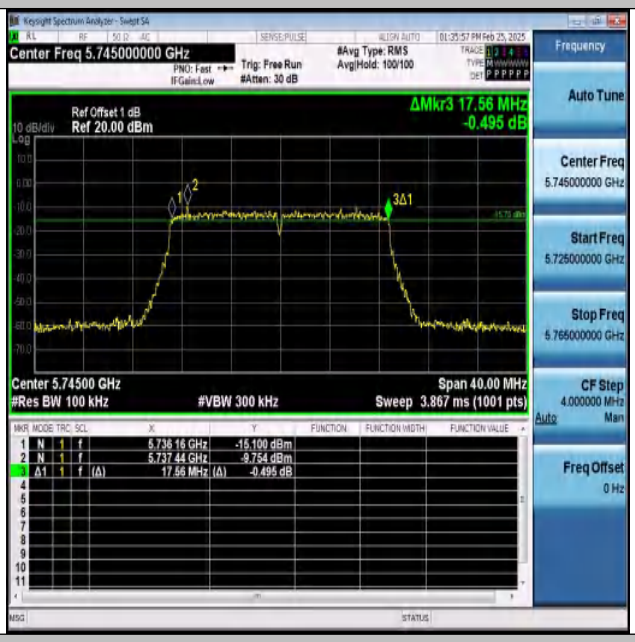
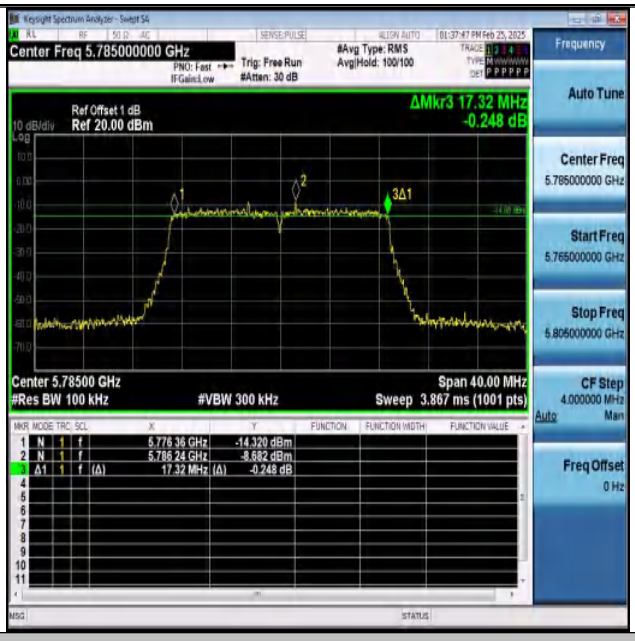


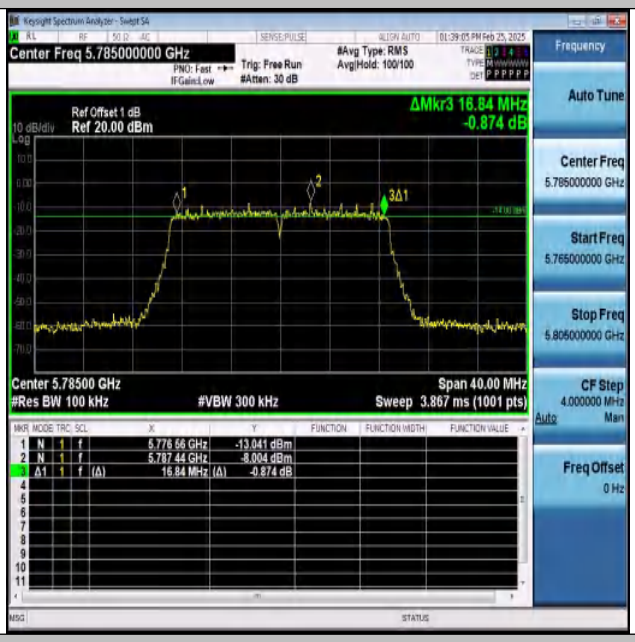

11N20MIMO-Ant1-5745-PASS




11N20MIMO-Ant2-5745-PASS




11N20MIMO-Ant1-5785-PASS

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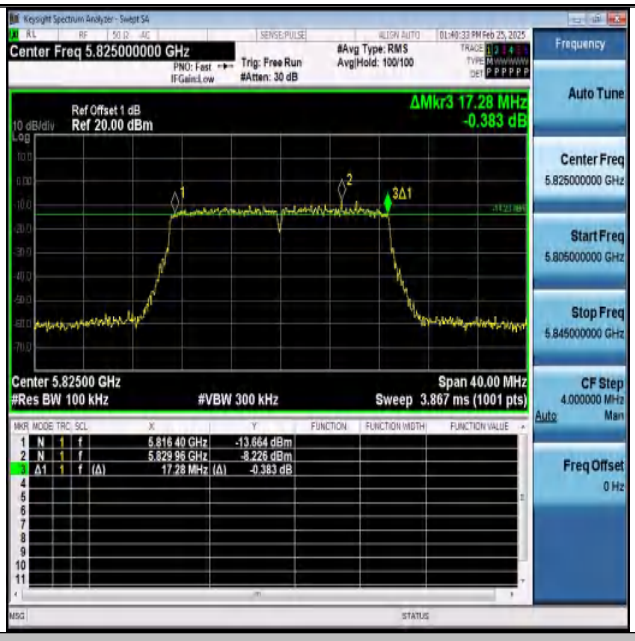
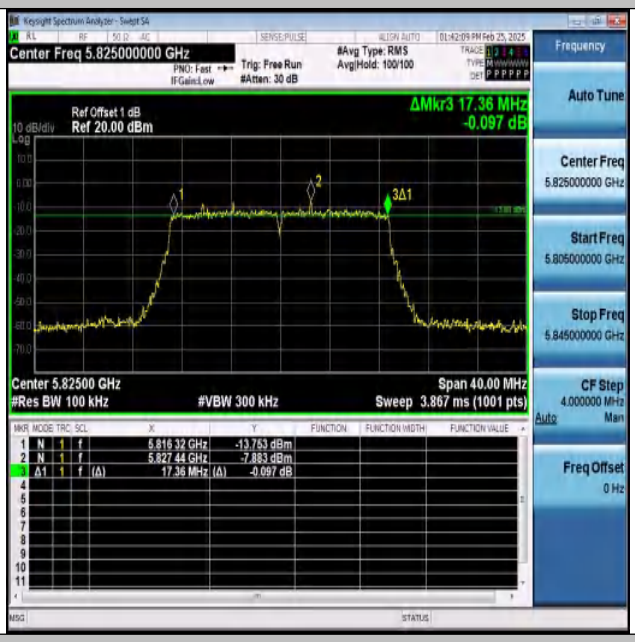
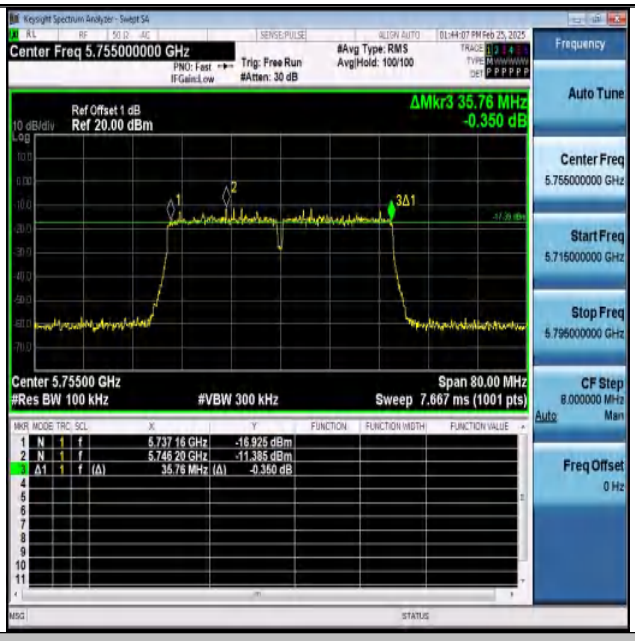


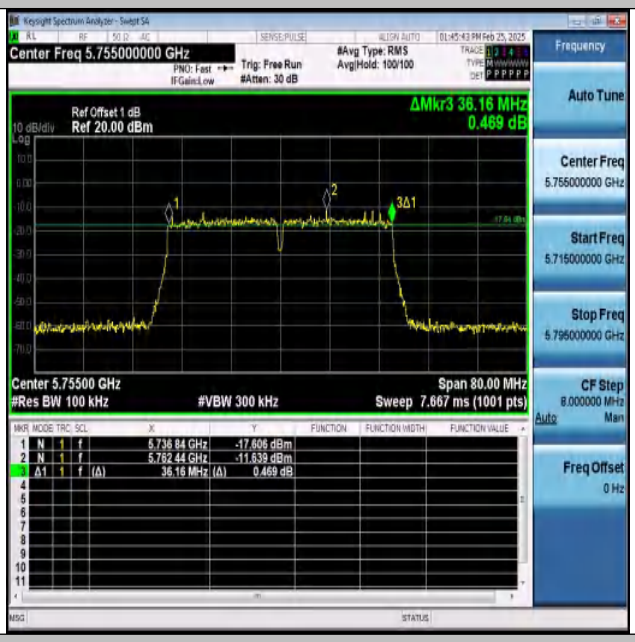

11N20MIMO-Ant1-5825-PASS



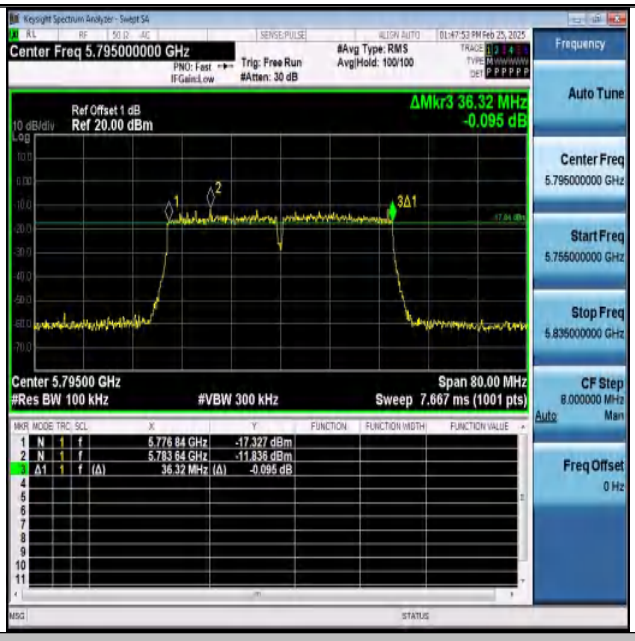

11N20MIMO-Ant2-5825-PASS




11N40MIMO-Ant1-5755-PASS




11N40MIMO-Ant2-5755-PASS

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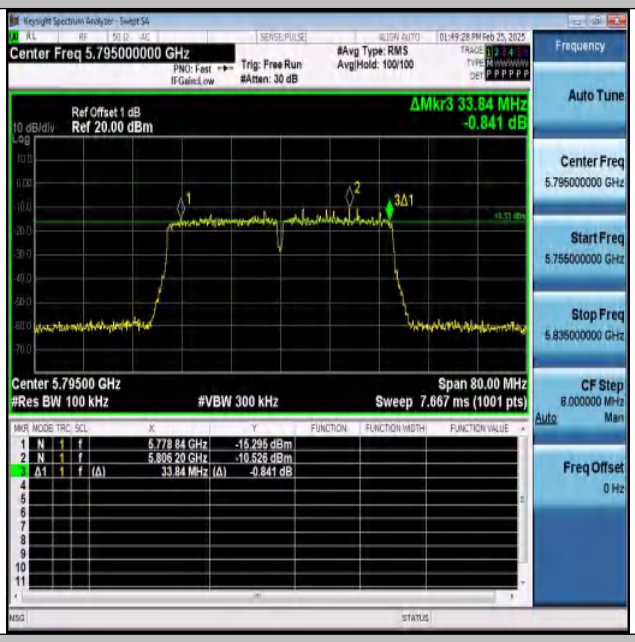


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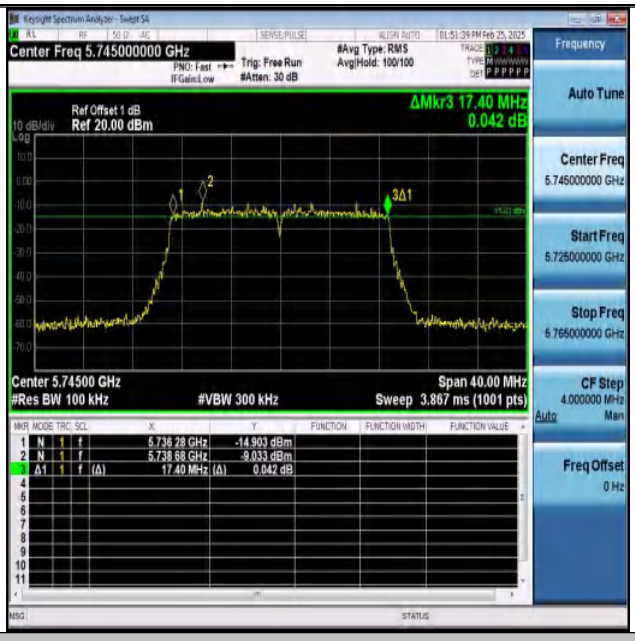
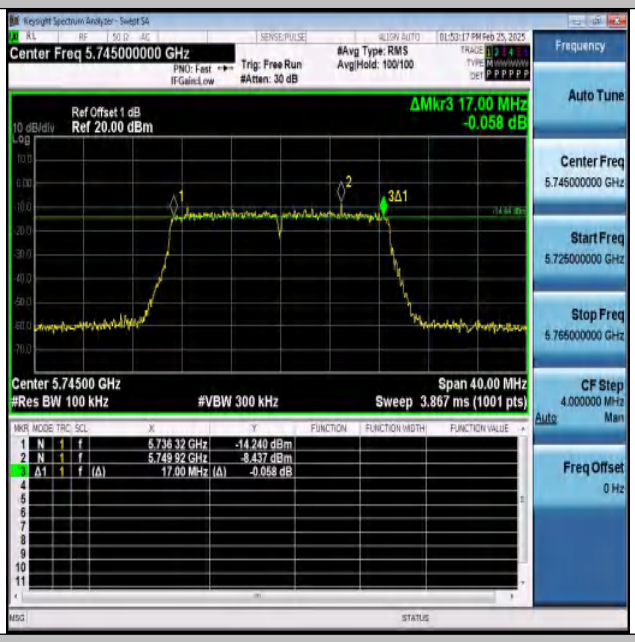



11AC20MIMO-Ant1-5745-PASS

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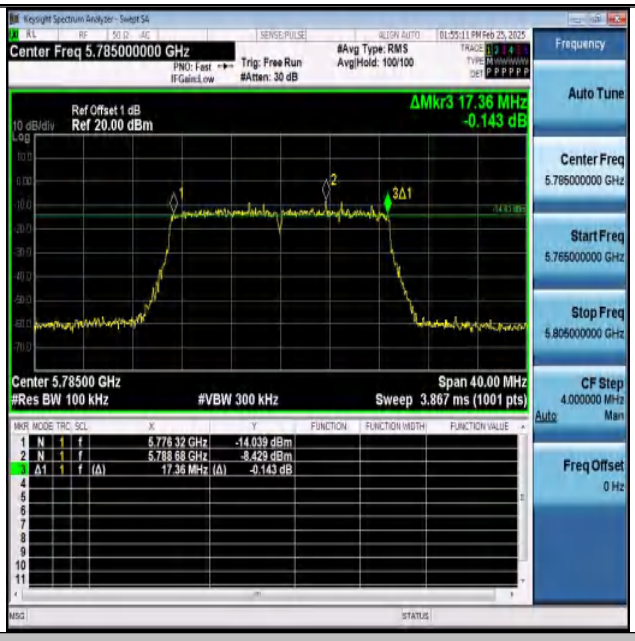


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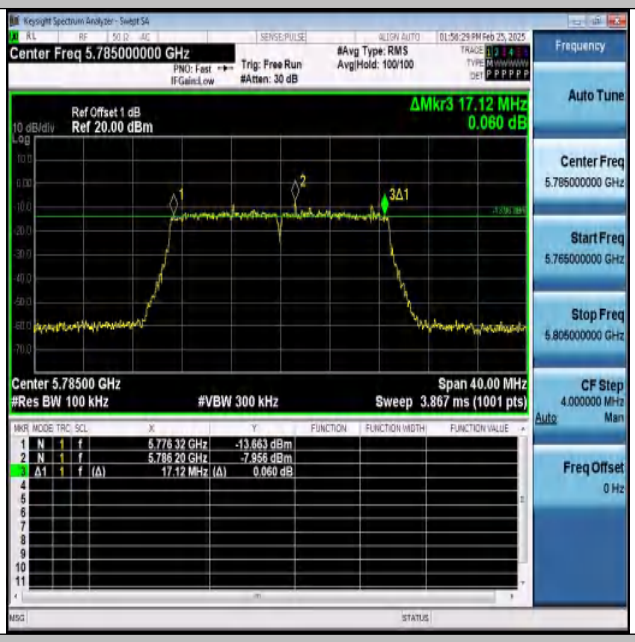


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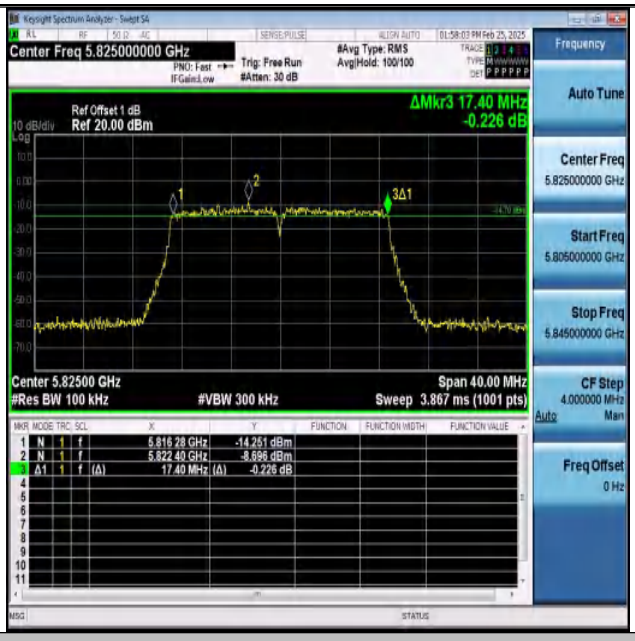
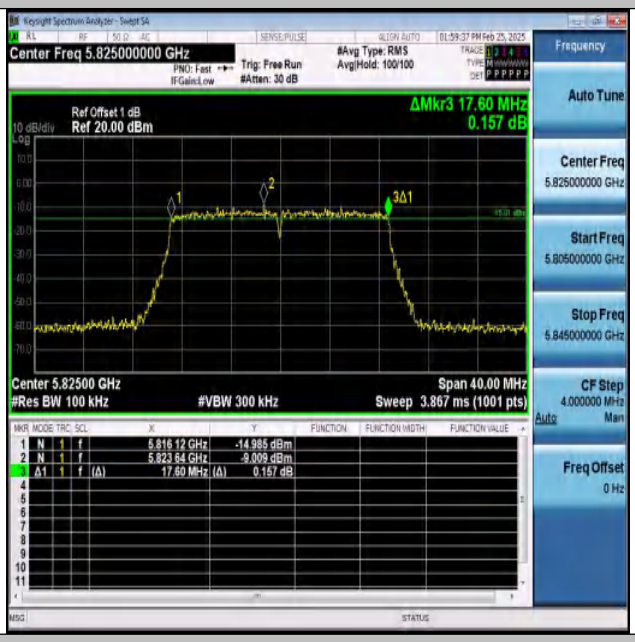
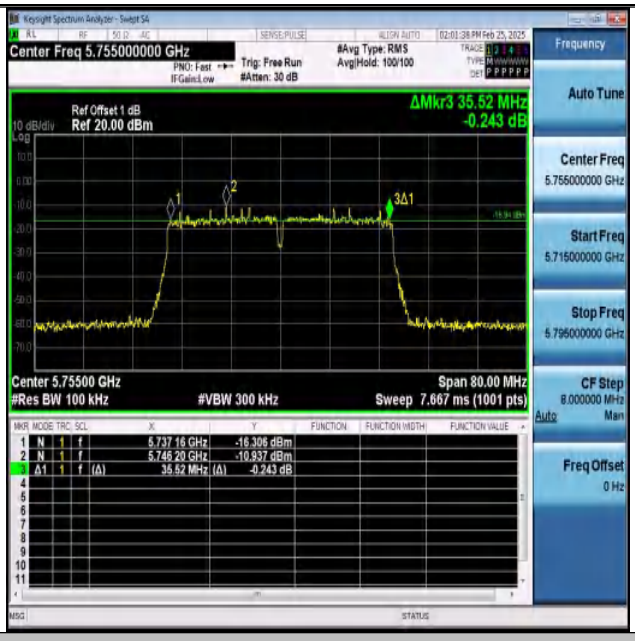


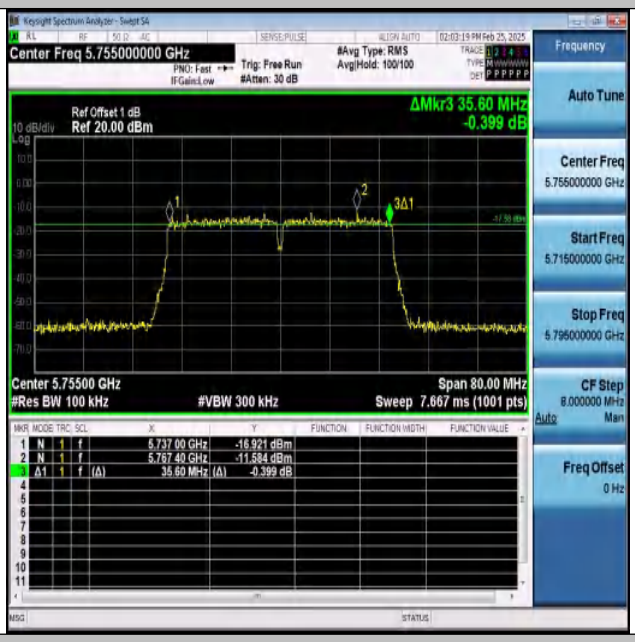

11AC20MIMO-Ant1-5825-PASS



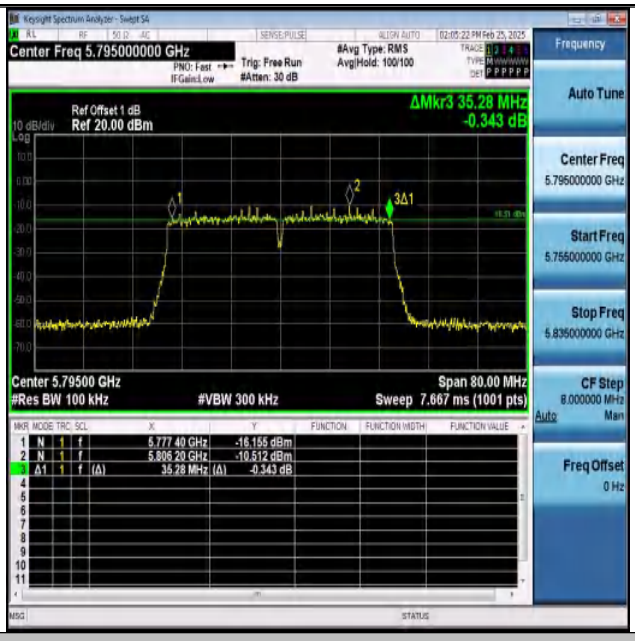

11AC20MIMO-Ant2-5825-PASS



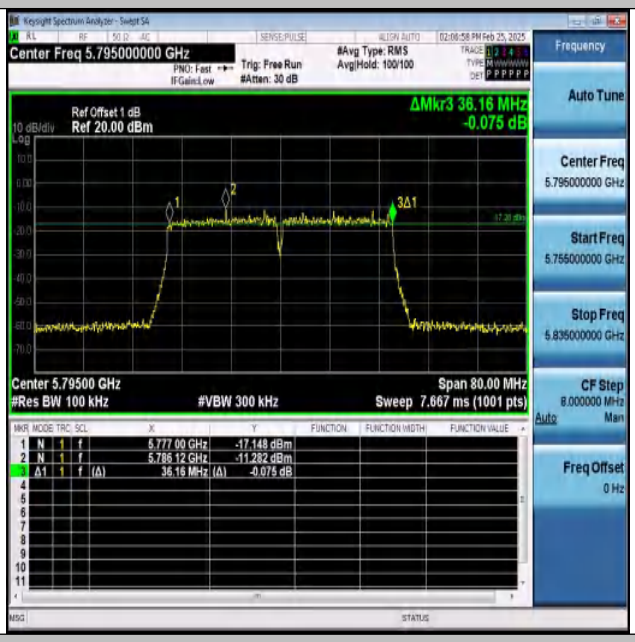

11AC40MIMO-Ant1-5755-PASS




11AC40MIMO-Ant2-5755-PASS




11AC40MIMO-Ant1-5795-PASS

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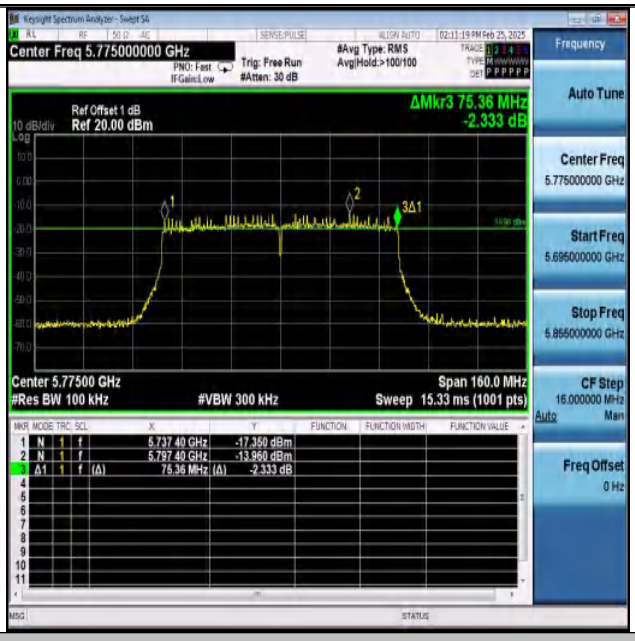
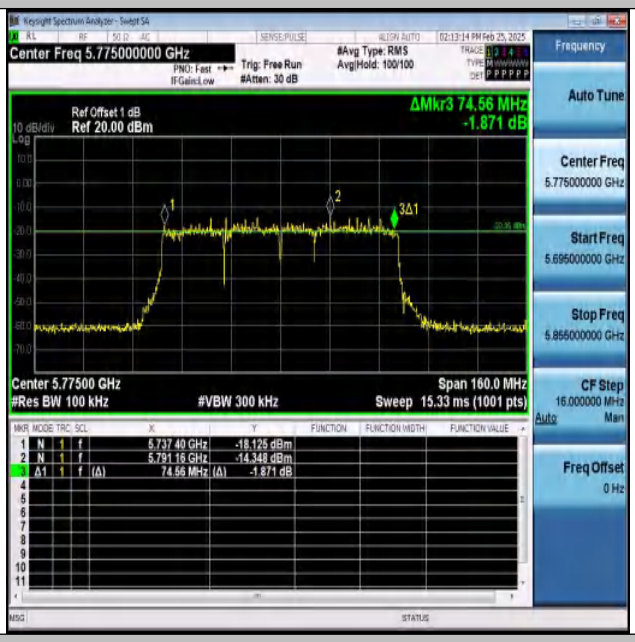
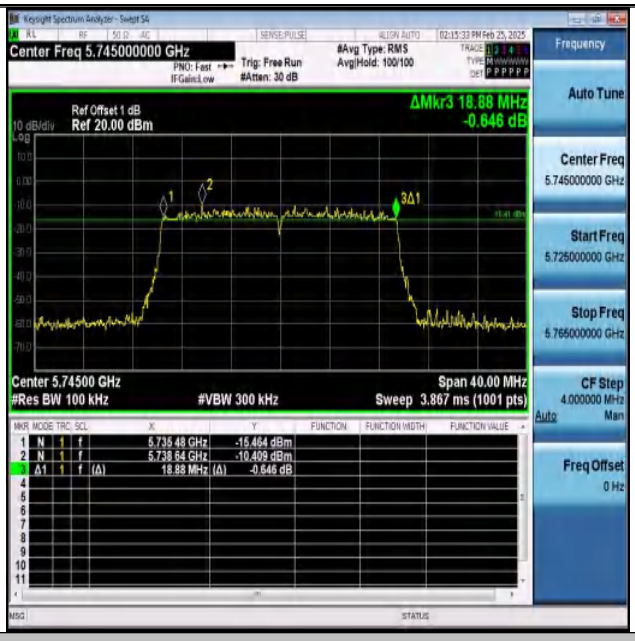


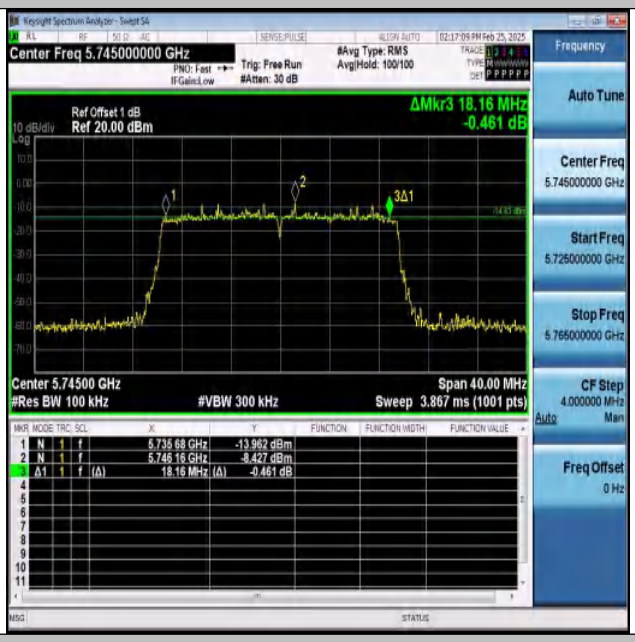

11AC80MIMO-Ant1-5775-PASS



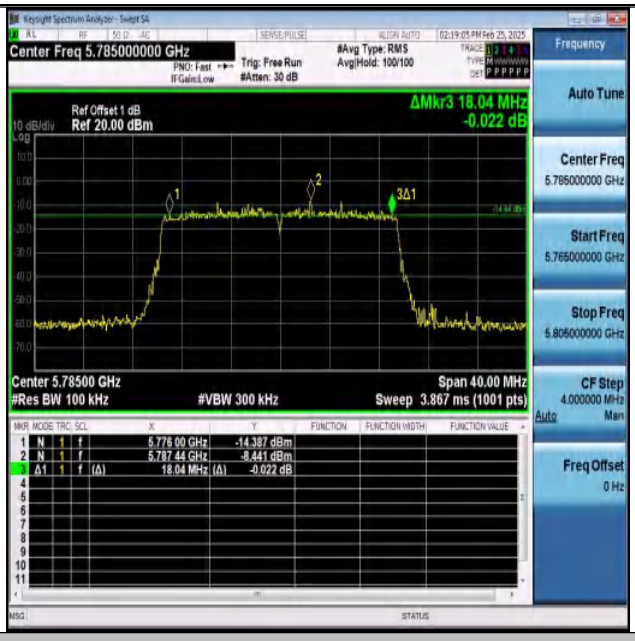

11AC80MIMO-Ant2-5775-PASS



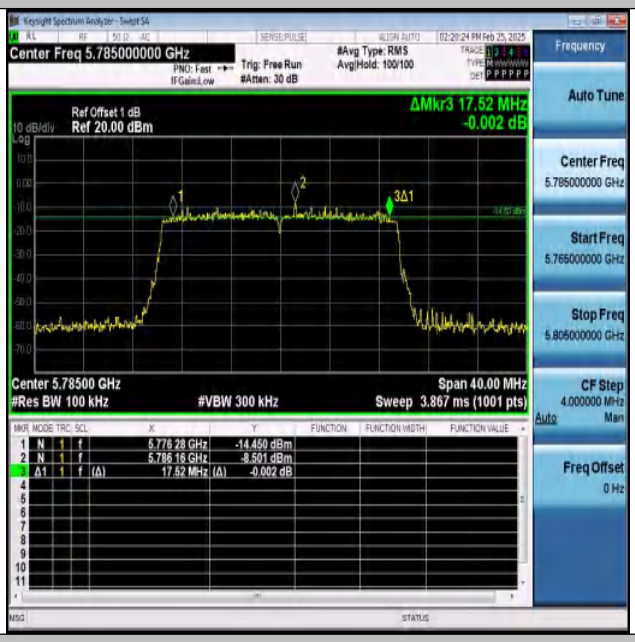

11AX20MIMO-Ant1-5745-PASS




11AX20MIMO-Ant2-5745-PASS




11AX20MIMO-Ant1-5785-PASS

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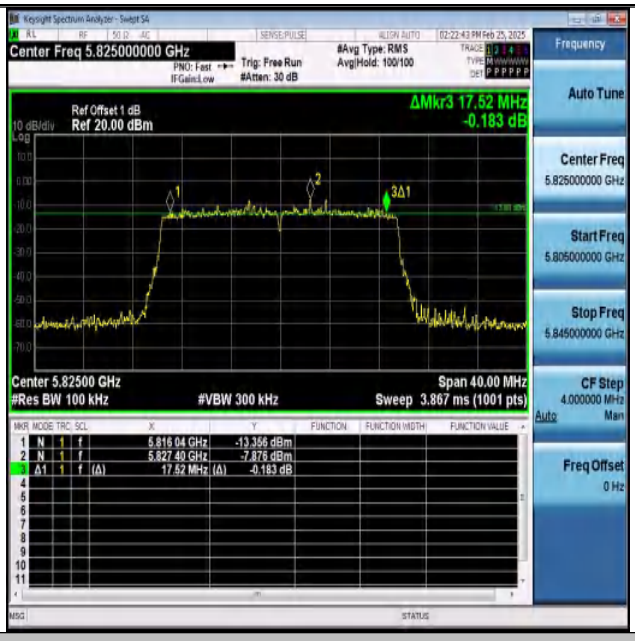
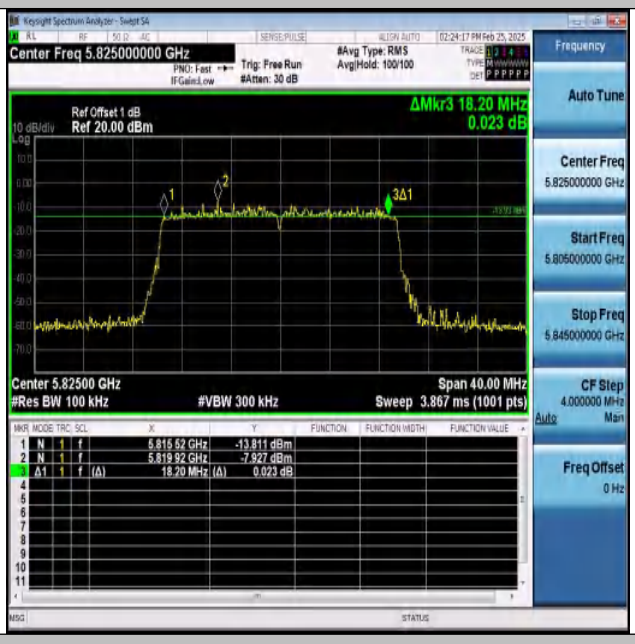
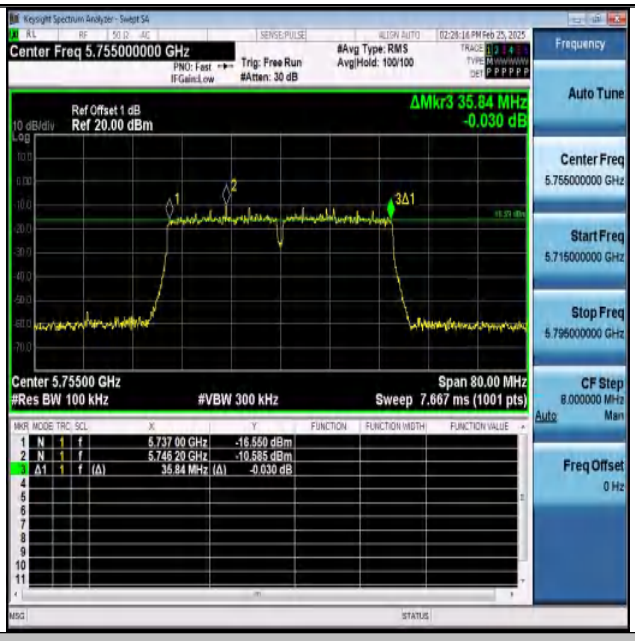


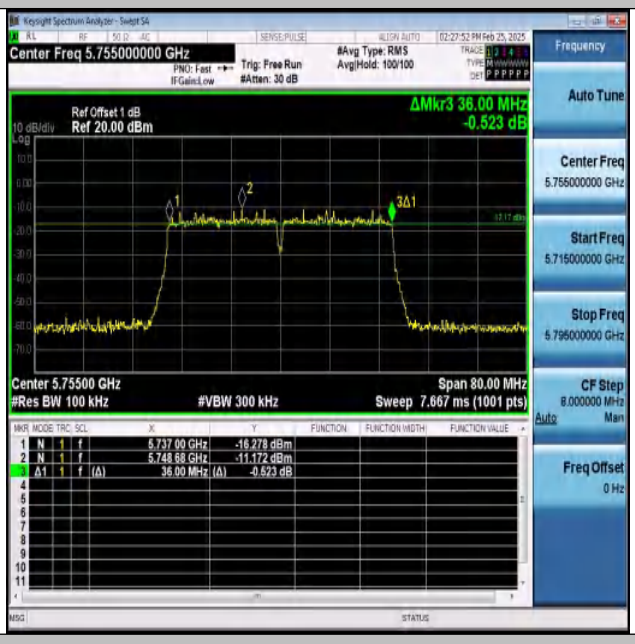

11AX20MIMO-Ant1-5825-PASS



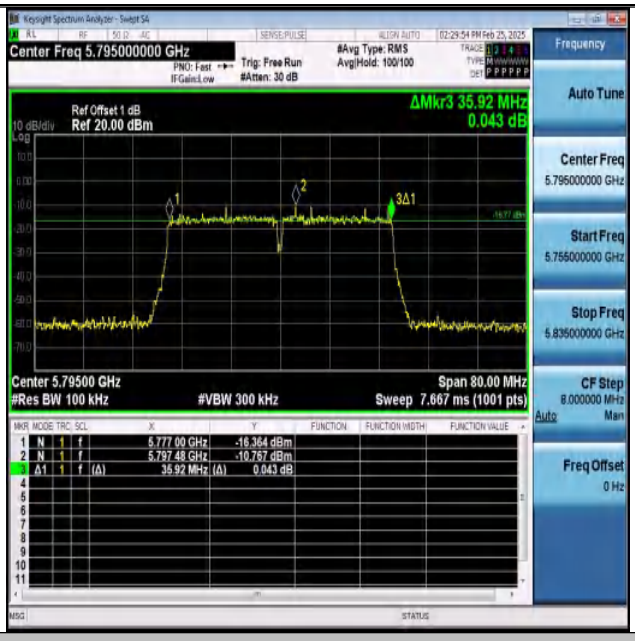

11AX20MIMO-Ant2-5825-PASS



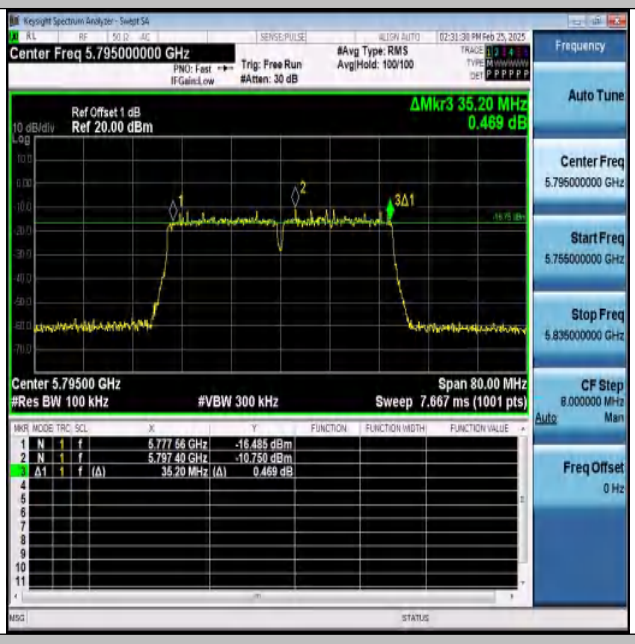

11AX40MIMO-Ant1-5755-PASS



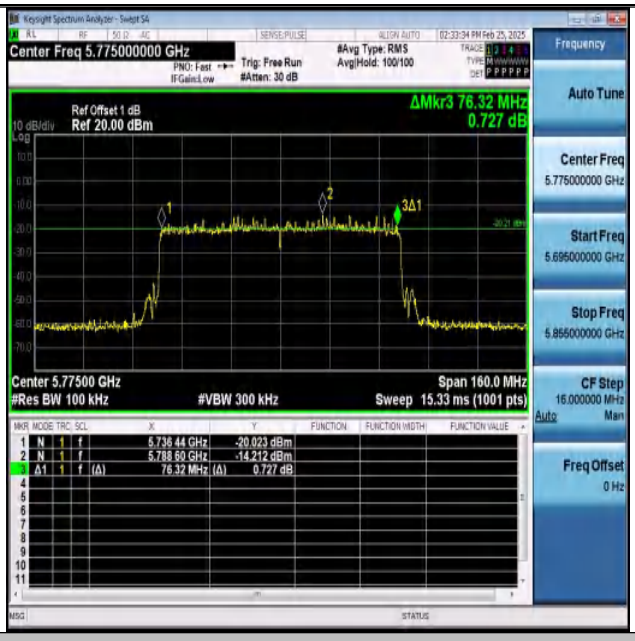

11AX40MIMO-Ant2-5755-PASS



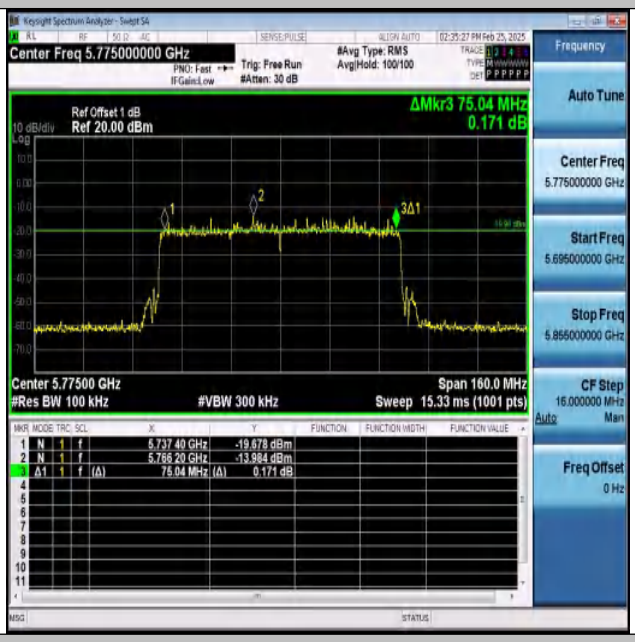

11AX40MIMO-Ant1-5795-PASS




11AX40MIMO-Ant2-5795-PASS




11AX80MIMO-Ant1-5775-PASS




11AX80MIMO-Ant2-5775-PASS

# Appendix B: Duty Cycle

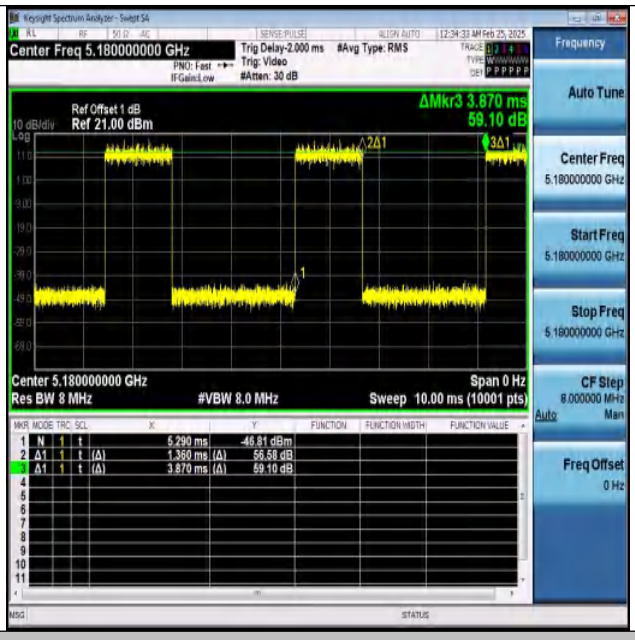
## Test Result

| Test Mode | Antenna | Frequency [MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Dc Factor [%] | 1/T |
|---|---|---|---|---|---|---|---|
| 11A | Ant1 | 5180 | 1.36 | 3.87 | 35.14 | 4.54 | 0.74 |
| 11A | Ant2 | 5180 | 1.36 | 3.86 | 35.23 | 4.53 | 0.74 |
| 11A | Ant1 | 5200 | 1.36 | 3.86 | 35.23 | 4.53 | 0.74 |
| 11A | Ant2 | 5200 | 1.36 | 3.86 | 35.23 | 4.53 | 0.74 |
| 11A | Ant1 | 5240 | 1.36 | 3.86 | 35.23 | 4.53 | 0.74 |
| 11A | Ant2 | 5240 | 1.36 | 3.86 | 35.23 | 4.53 | 0.74 |
| 11A | Ant1 | 5745 | 1.36 | 3.86 | 35.23 | 4.53 | 0.74 |
| 11A | Ant2 | 5745 | 1.36 | 3.86 | 35.23 | 4.53 | 0.74 |
| 11A | Ant1 | 5785 | 1.36 | 3.86 | 35.23 | 4.53 | 0.74 |
| 11A | Ant2 | 5785 | 1.36 | 3.86 | 35.23 | 4.53 | 0.74 |
| 11A | Ant1 | 5825 | 1.36 | 3.87 | 35.14 | 4.54 | 0.74 |
| 11A | Ant2 | 5825 | 1.36 | 3.86 | 35.23 | 4.53 | 0.74 |
| 11N20MIMO | Ant1 | 5180 | 1.27 | 3.78 | 33.60 | 4.74 | 0.79 |
| 11N20MIMO | Ant2 | 5180 | 1.27 | 3.77 | 33.69 | 4.72 | 0.79 |
| 11N20MIMO | Ant1 | 5200 | 1.27 | 3.77 | 33.69 | 4.72 | 0.79 |
| 11N20MIMO | Ant2 | 5200 | 1.27 | 3.77 | 33.69 | 4.72 | 0.79 |
| 11N20MIMO | Ant1 | 5240 | 1.27 | 3.77 | 33.69 | 4.72 | 0.79 |
| 11N20MIMO | Ant2 | 5240 | 1.28 | 3.78 | 33.86 | 4.70 | 0.78 |
| 11N20MIMO | Ant1 | 5745 | 1.15 | 3.65 | 31.51 | 5.02 | 0.87 |
| 11N20MIMO | Ant2 | 5745 | 1.15 | 3.65 | 31.51 | 5.02 | 0.87 |
| 11N20MIMO | Ant1 | 5785 | 1.15 | 3.65 | 31.51 | 5.02 | 0.87 |
| 11N20MIMO | Ant2 | 5785 | 1.15 | 3.65 | 31.51 | 5.02 | 0.87 |
| 11N20MIMO | Ant1 | 5825 | 1.15 | 3.65 | 31.51 | 5.02 | 0.87 |
| 11N20MIMO | Ant2 | 5825 | 1.15 | 3.65 | 31.51 | 5.02 | 0.87 |
| 11N40MIMO | Ant1 | 5190 | 0.64 | 3.14 | 20.38 | 6.91 | 1.56 |
| 11N40MIMO | Ant2 | 5190 | 0.63 | 3.13 | 20.13 | 6.96 | 1.59 |
| 11N40MIMO | Ant1 | 5230 | 0.63 | 3.13 | 20.13 | 6.96 | 1.59 |
| 11N40MIMO | Ant2 | 5230 | 0.63 | 3.13 | 20.13 | 6.96 | 1.59 |
| 11N40MIMO | Ant1 | 5755 | 0.57 | 3.08 | 18.51 | 7.33 | 1.75 |
| 11N40MIMO | Ant2 | 5755 | 0.57 | 3.08 | 18.51 | 7.33 | 1.75 |
| 11N40MIMO | Ant1 | 5795 | 0.57 | 3.08 | 18.51 | 7.33 | 1.75 |
| 11N40MIMO | Ant2 | 5795 | 0.57 | 3.08 | 18.51 | 7.33 | 1.75 |
| 11AC20MIMO | Ant1 | 5180 | 1.28 | 3.78 | 33.86 | 4.70 | 0.78 |
| 11AC20MIMO | Ant2 | 5180 | 1.28 | 3.78 | 33.86 | 4.70 | 0.78 |
| 11AC20MIMO | Ant1 | 5200 | 1.28 | 3.78 | 33.86 | 4.70 | 0.78 |
| 11AC20MIMO | Ant2 | 5200 | 1.27 | 3.78 | 33.60 | 4.74 | 0.79 |
| 11AC20MIMO | Ant1 | 5240 | 1.28 | 3.78 | 33.86 | 4.70 | 0.78 |

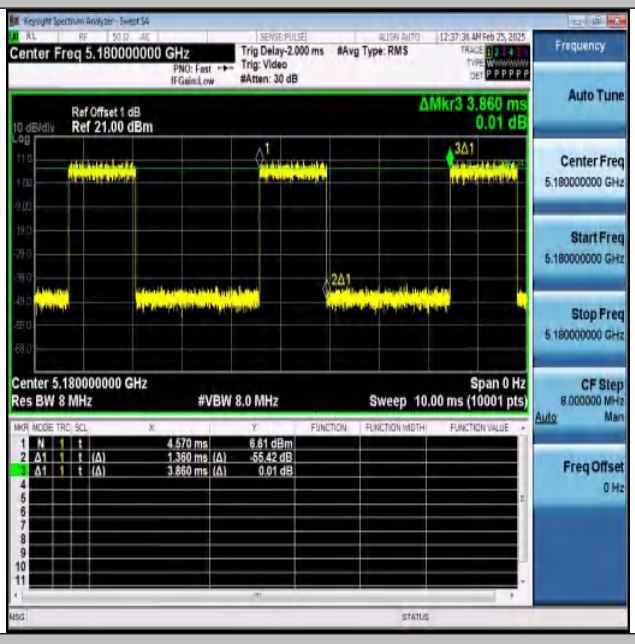
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 11AC20MIMO | Ant2 | 5240 | 1.28 | 3.78 | 33.86 | 4.70 | 0.78 |
| 11AC20MIMO | Ant1 | 5745 | 1.15 | 3.66 | 31.42 | 5.03 | 0.87 |
| 11AC20MIMO | Ant2 | 5745 | 1.15 | 3.65 | 31.51 | 5.02 | 0.87 |
| 11AC20MIMO | Ant1 | 5785 | 1.15 | 3.65 | 31.51 | 5.02 | 0.87 |
| 11AC20MIMO | Ant2 | 5785 | 1.15 | 3.65 | 31.51 | 5.02 | 0.87 |
| 11AC20MIMO | Ant1 | 5825 | 1.15 | 3.65 | 31.51 | 5.02 | 0.87 |
| 11AC20MIMO | Ant2 | 5825 | 1.15 | 3.66 | 31.42 | 5.03 | 0.87 |
| 11AC40MIMO | Ant1 | 5190 | 0.63 | 3.14 | 20.06 | 6.98 | 1.59 |
| 11AC40MIMO | Ant2 | 5190 | 0.64 | 3.14 | 20.38 | 6.91 | 1.56 |
| 11AC40MIMO | Ant1 | 5230 | 0.64 | 3.14 | 20.38 | 6.91 | 1.56 |
| 11AC40MIMO | Ant2 | 5230 | 0.64 | 3.14 | 20.38 | 6.91 | 1.56 |
| 11AC40MIMO | Ant1 | 5755 | 0.58 | 3.08 | 18.83 | 7.25 | 1.72 |
| 11AC40MIMO | Ant2 | 5755 | 0.58 | 3.08 | 18.83 | 7.25 | 1.72 |
| 11AC40MIMO | Ant1 | 5795 | 0.58 | 3.08 | 18.83 | 7.25 | 1.72 |
| 11AC40MIMO | Ant2 | 5795 | 0.58 | 3.08 | 18.83 | 7.25 | 1.72 |
| 11AC80MIMO | Ant1 | 5210 | 0.32 | 2.82 | 11.35 | 9.45 | 3.13 |
| 11AC80MIMO | Ant2 | 5210 | 0.32 | 2.82 | 11.35 | 9.45 | 3.13 |
| 11AC80MIMO | Ant1 | 5775 | 0.29 | 2.79 | 10.39 | 9.83 | 3.45 |
| 11AC80MIMO | Ant2 | 5775 | 0.29 | 2.79 | 10.39 | 9.83 | 3.45 |
| 11AX20MIMO | Ant1 | 5180 | 0.99 | 3.49 | 28.37 | 5.47 | 1.01 |
| 11AX20MIMO | Ant2 | 5180 | 0.99 | 3.50 | 28.29 | 5.48 | 1.01 |
| 11AX20MIMO | Ant1 | 5200 | 0.99 | 3.50 | 28.29 | 5.48 | 1.01 |
| 11AX20MIMO | Ant2 | 5200 | 0.99 | 3.50 | 28.29 | 5.48 | 1.01 |
| 11AX20MIMO | Ant1 | 5240 | 0.99 | 3.50 | 28.29 | 5.48 | 1.01 |
| 11AX20MIMO | Ant2 | 5240 | 0.99 | 3.49 | 28.37 | 5.47 | 1.01 |
| 11AX20MIMO | Ant1 | 5745 | 0.99 | 3.49 | 28.37 | 5.47 | 1.01 |
| 11AX20MIMO | Ant2 | 5745 | 0.99 | 3.49 | 28.37 | 5.47 | 1.01 |
| 11AX20MIMO | Ant1 | 5785 | 0.98 | 3.48 | 28.16 | 5.50 | 1.02 |
| 11AX20MIMO | Ant2 | 5785 | 0.98 | 3.49 | 28.08 | 5.52 | 1.02 |
| 11AX20MIMO | Ant1 | 5825 | 0.99 | 3.49 | 28.37 | 5.47 | 1.01 |
| 11AX20MIMO | Ant2 | 5825 | 0.98 | 3.49 | 28.08 | 5.52 | 1.02 |
| 11AX40MIMO | Ant1 | 5190 | 0.57 | 3.08 | 18.51 | 7.33 | 1.75 |
| 11AX40MIMO | Ant2 | 5190 | 0.57 | 3.08 | 18.51 | 7.33 | 1.75 |
| 11AX40MIMO | Ant1 | 5230 | 0.57 | 3.08 | 18.51 | 7.33 | 1.75 |
| 11AX40MIMO | Ant2 | 5230 | 0.57 | 3.08 | 18.51 | 7.33 | 1.75 |
| 11AX40MIMO | Ant1 | 5755 | 0.57 | 3.08 | 18.51 | 7.33 | 1.75 |
| 11AX40MIMO | Ant2 | 5755 | 0.57 | 3.08 | 18.51 | 7.33 | 1.75 |
| 11AX40MIMO | Ant1 | 5795 | 0.57 | 3.08 | 18.51 | 7.33 | 1.75 |
| 11AX40MIMO | Ant2 | 5795 | 0.57 | 3.08 | 18.51 | 7.33 | 1.75 |
| 11AX80MIMO | Ant1 | 5210 | 0.28 | 2.79 | 10.04 | 9.98 | 3.57 |
| 11AX80MIMO | Ant2 | 5210 | 0.28 | 2.78 | 10.07 | 9.97 | 3.57 |
| 11AX80MIMO | Ant1 | 5775 | 0.28 | 2.78 | 10.07 | 9.97 | 3.57 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 11AX80MIMO | Ant2 | 5775 | 0.27 | 2.78 | 9.71 | 10.13 | 3.70 |

## Test Graphs




NTNV-11A-Ant1-5180

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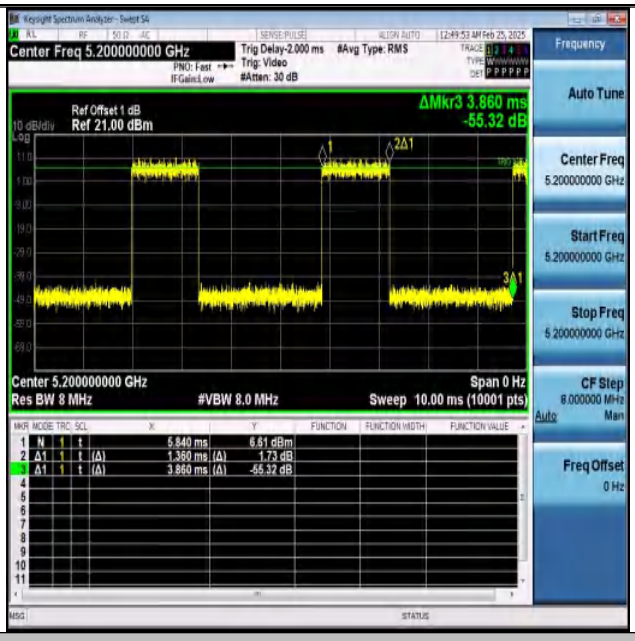


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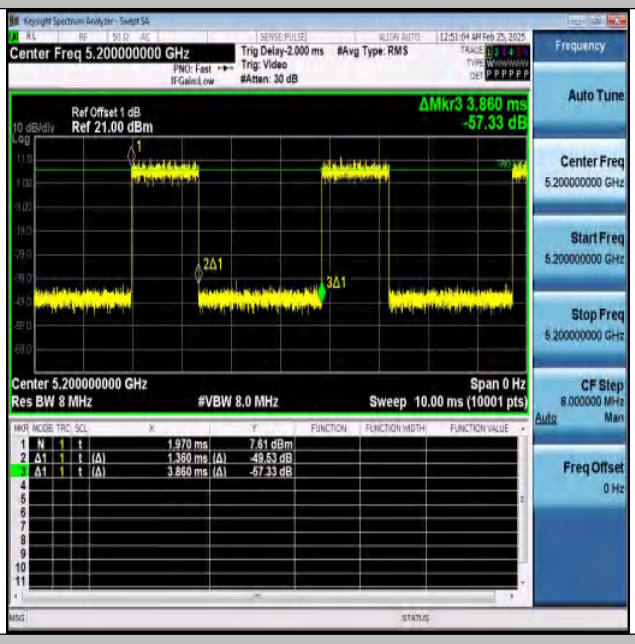


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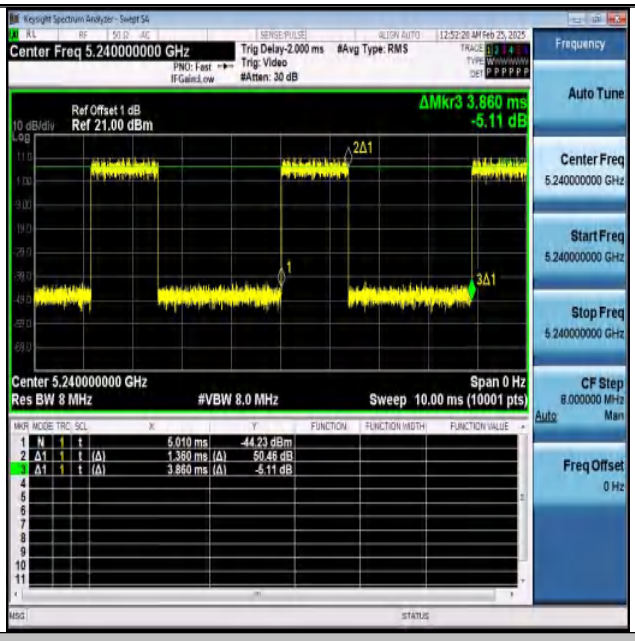


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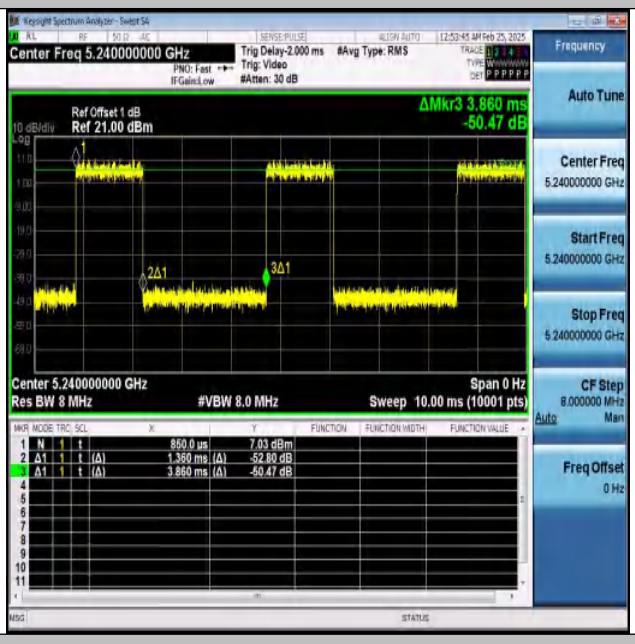


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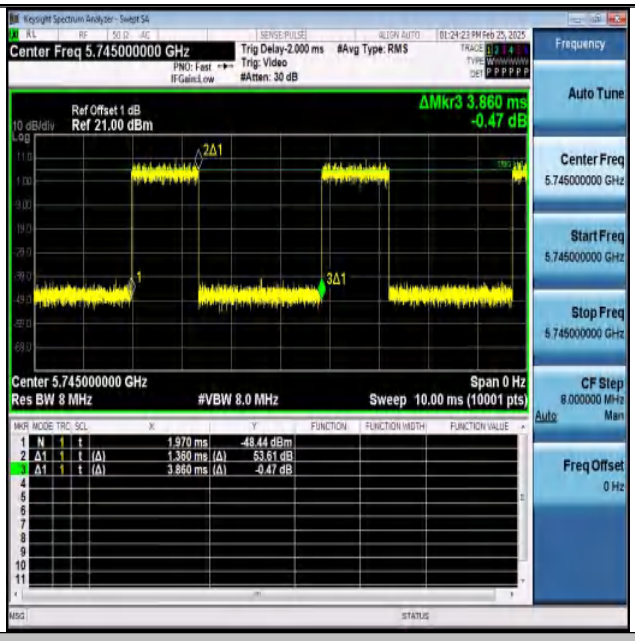


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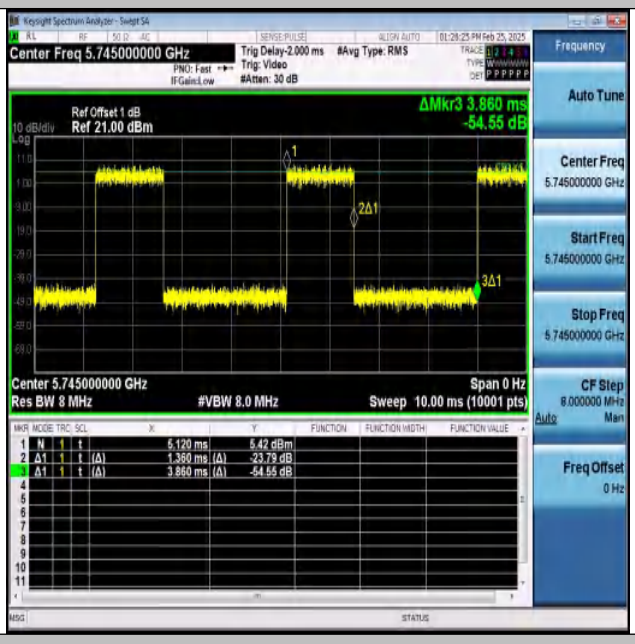


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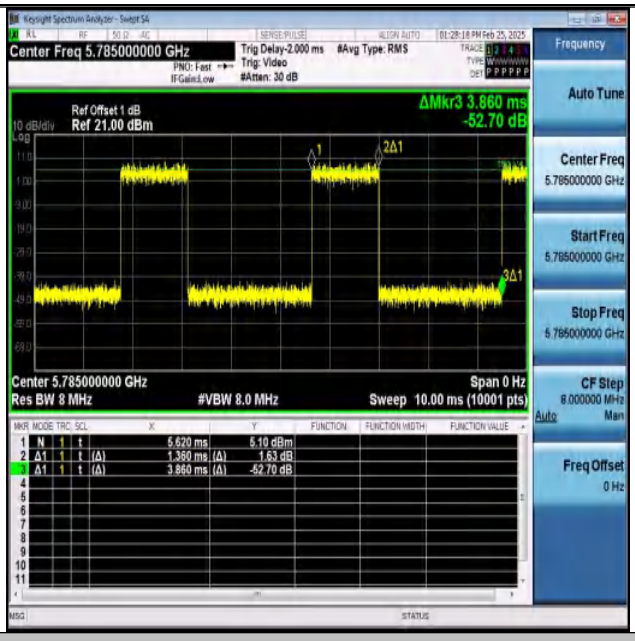


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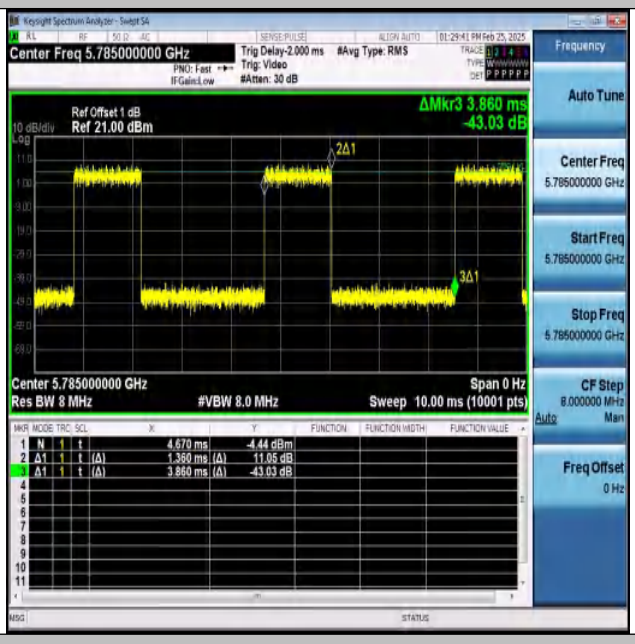


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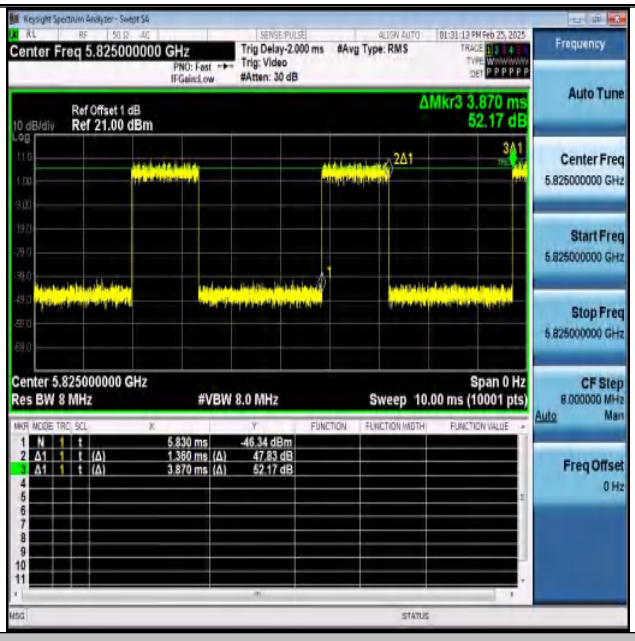


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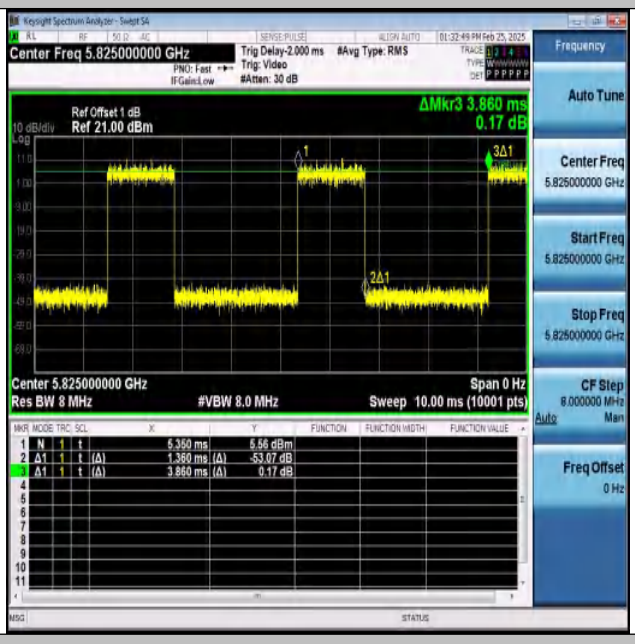


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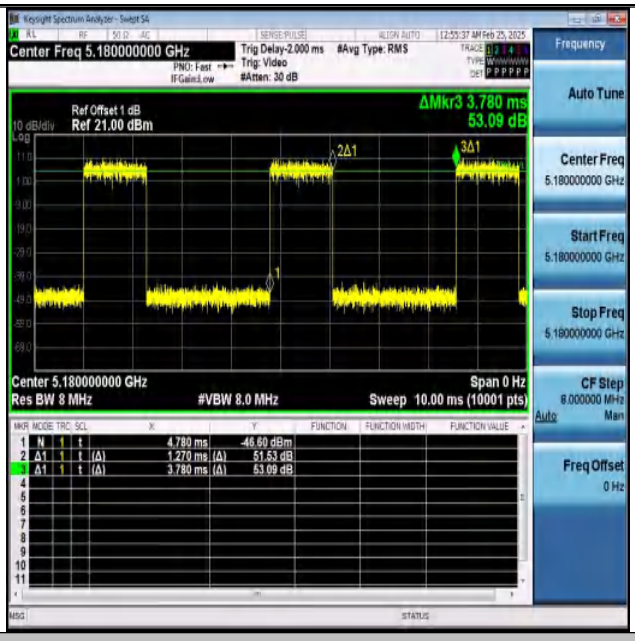
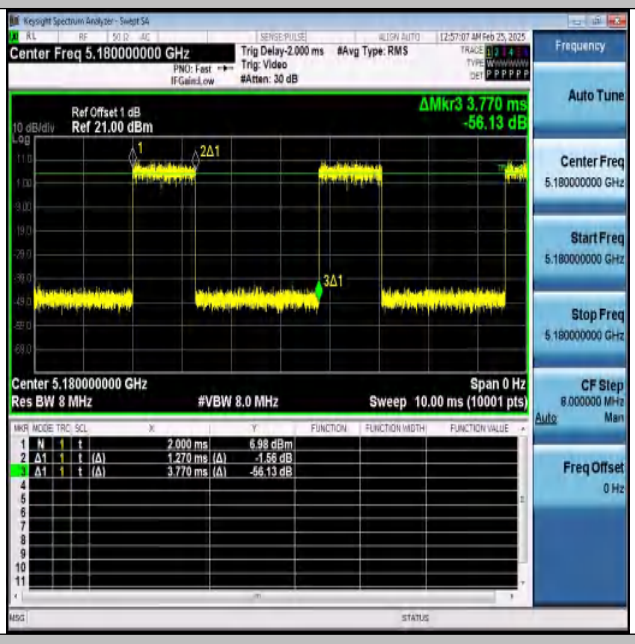



NTNV-11N20MIMO-Ant1-5180

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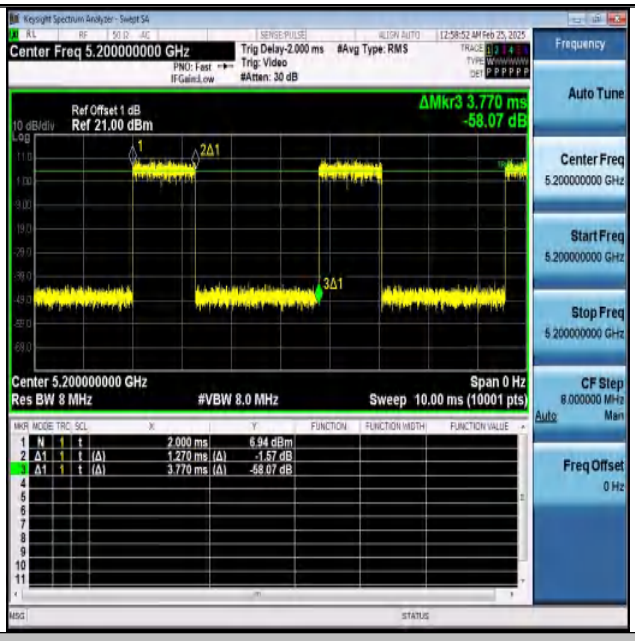


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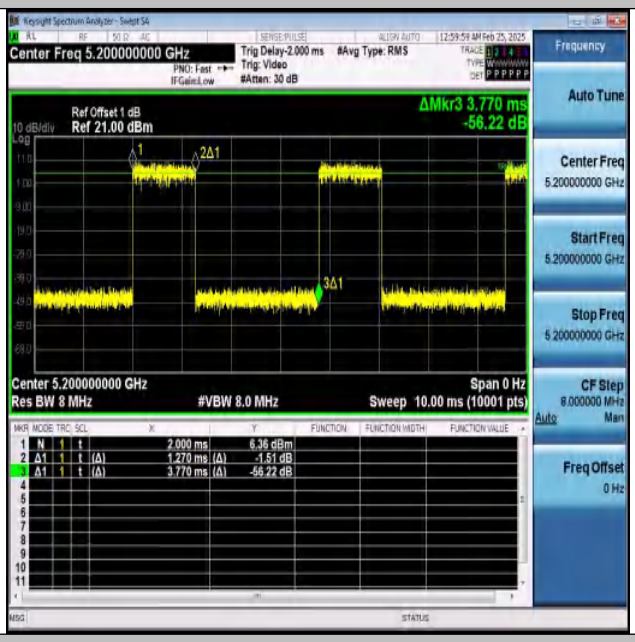
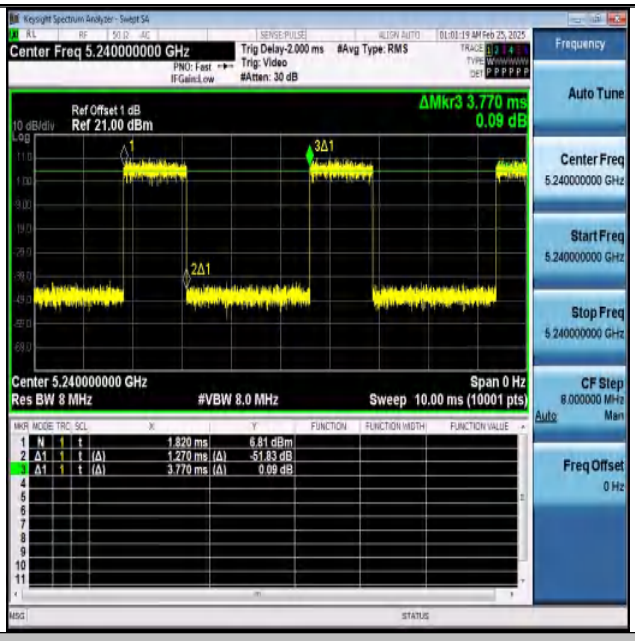



NTNV-11N20MIMO-Ant2-5200

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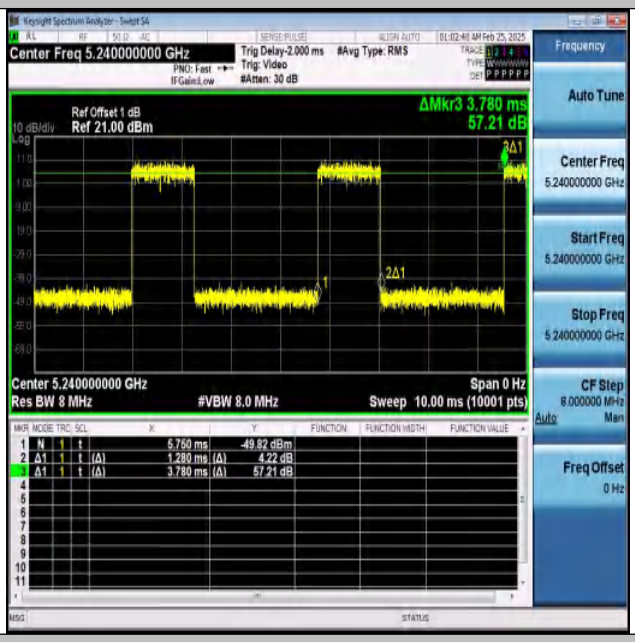


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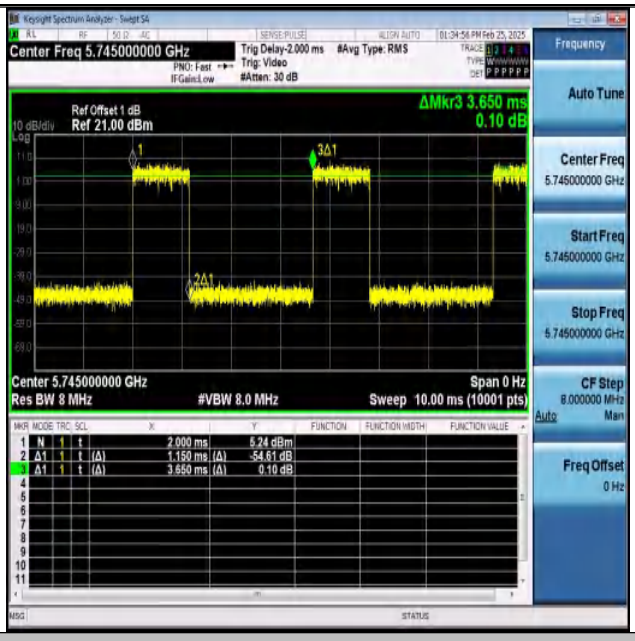
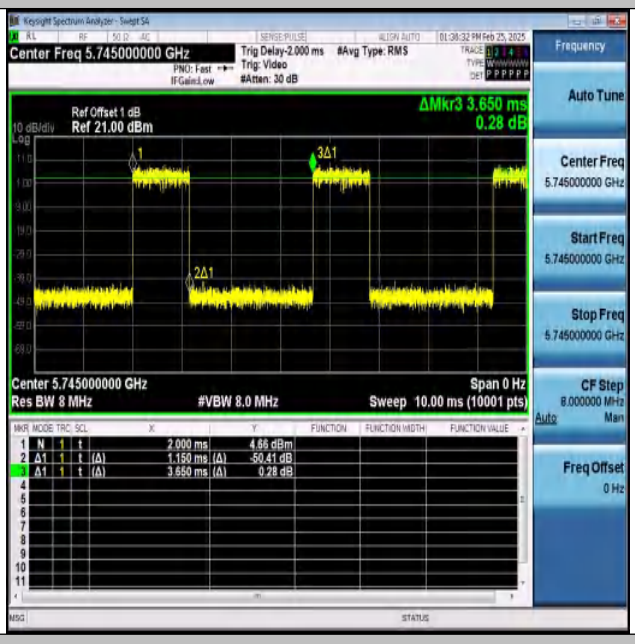



NTNV-11N20MIMO-Ant1-5745

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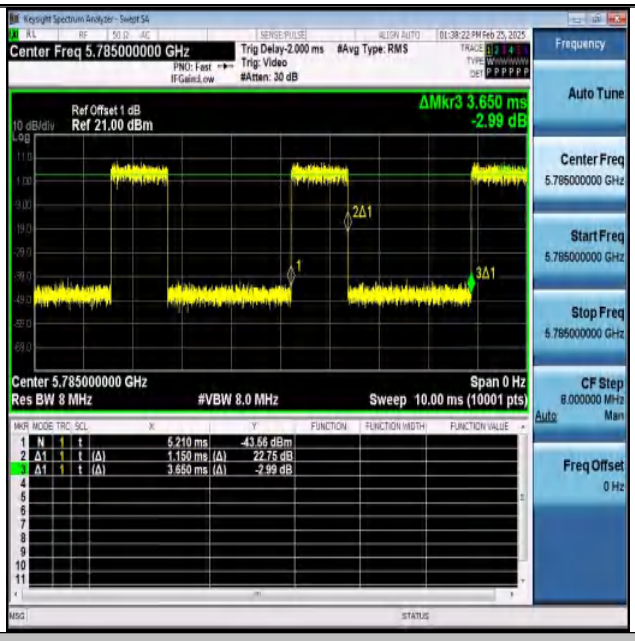
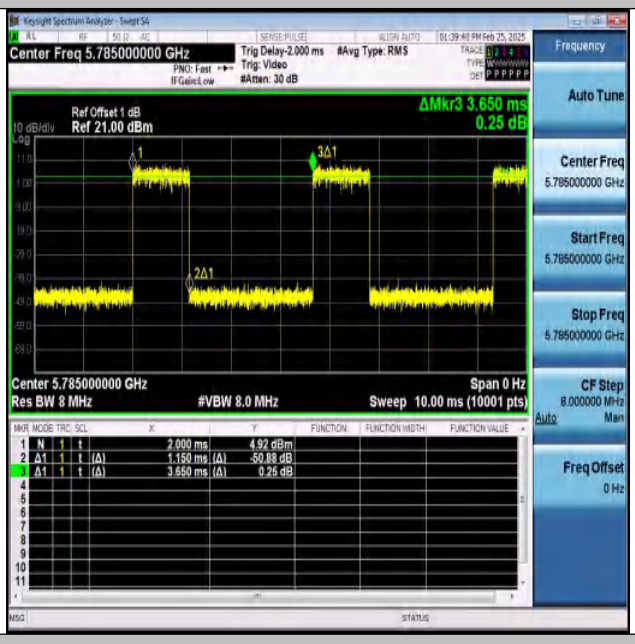



NTNV-11N20MIMO-Ant1-5785




NTNV-11N20MIMO-Ant2-5785