

Appendix A1: Emission Bandwidth

Test Result

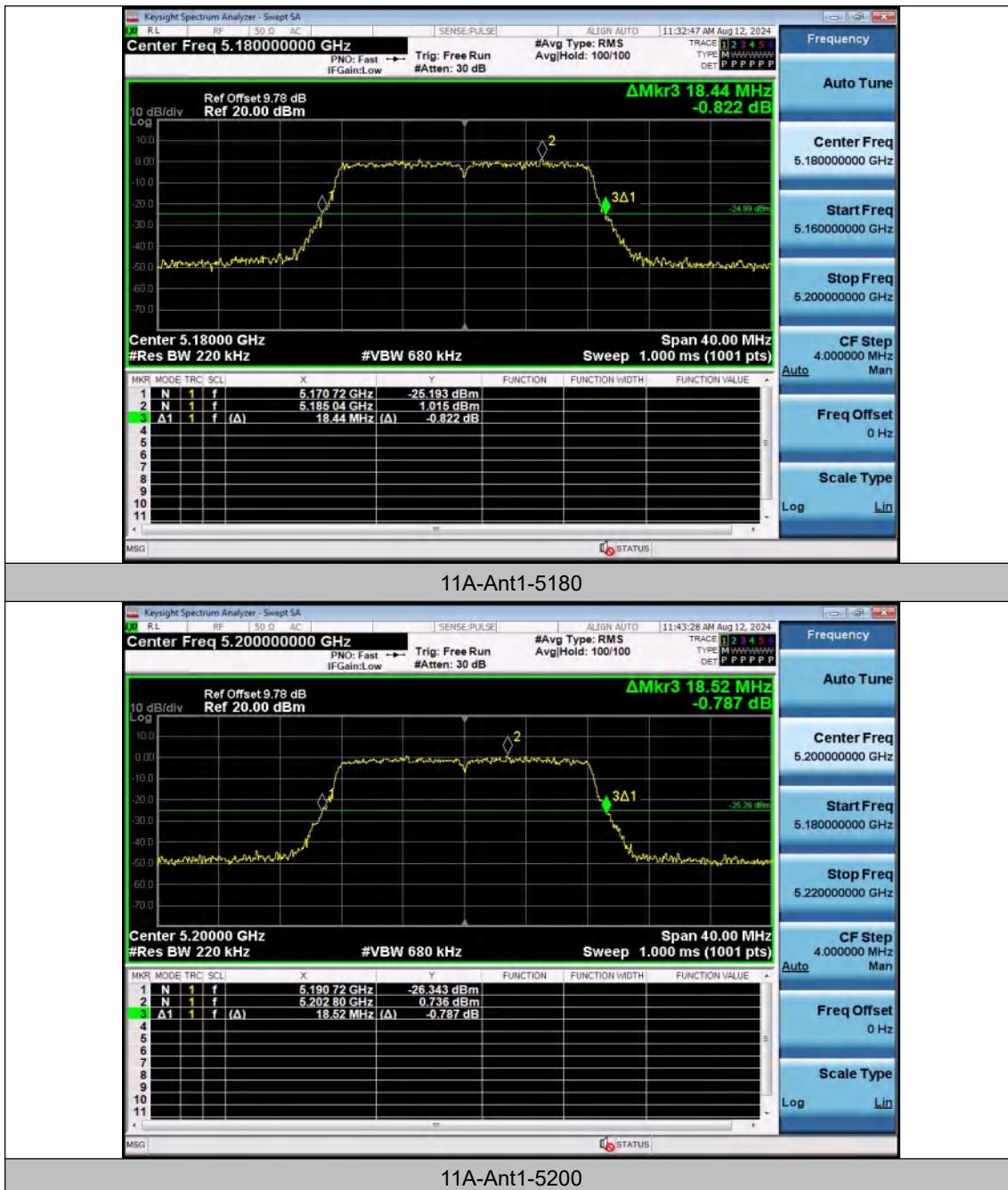
Ant 1

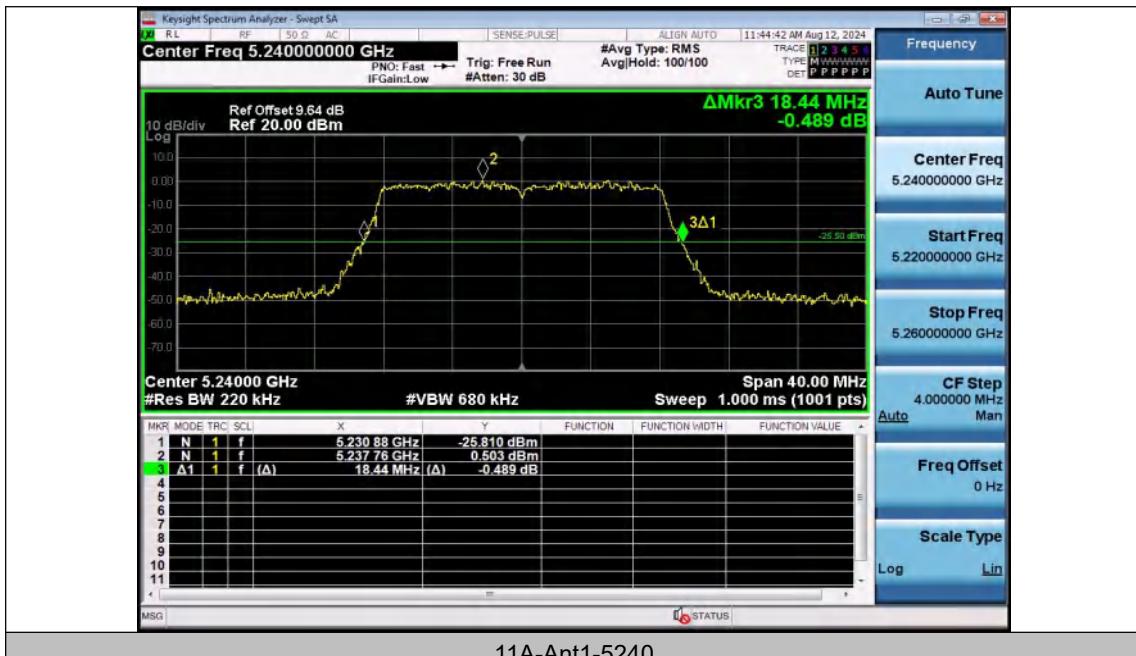
| Test Mode | Antenna | Frequency[MHz] | 26db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|------------|---------|----------------|----------------------|----------|----------|------------|---------|
| 11A | Ant1 | 5180 | 18.440 | 5170.720 | 5189.160 | --- | --- |
| 11A | Ant1 | 5200 | 18.520 | 5190.720 | 5209.240 | --- | --- |
| 11A | Ant1 | 5240 | 18.440 | 5230.880 | 5249.320 | --- | --- |
| 11A | Ant1 | 5260 | 18.440 | 5250.800 | 5269.240 | --- | --- |
| 11A | Ant1 | 5280 | 18.720 | 5270.680 | 5289.400 | --- | --- |
| 11A | Ant1 | 5320 | 18.520 | 5310.720 | 5329.240 | --- | --- |
| 11A | Ant1 | 5500 | 18.640 | 5490.680 | 5509.320 | --- | --- |
| 11A | Ant1 | 5580 | 18.640 | 5570.680 | 5589.320 | --- | --- |
| 11A | Ant1 | 5700 | 18.400 | 5690.800 | 5709.200 | --- | --- |
| 11A | Ant1 | 5745 | 18.240 | 5735.800 | 5754.040 | --- | --- |
| 11A | Ant1 | 5785 | 18.480 | 5775.760 | 5794.240 | --- | --- |
| 11A | Ant1 | 5825 | 18.480 | 5815.720 | 5834.200 | --- | --- |
| 11N20SISO | Ant1 | 5180 | 19.200 | 5170.440 | 5189.640 | --- | --- |
| 11N20SISO | Ant1 | 5200 | 19.320 | 5190.440 | 5209.760 | --- | --- |
| 11N20SISO | Ant1 | 5240 | 19.280 | 5230.440 | 5249.720 | --- | --- |
| 11N20SISO | Ant1 | 5260 | 19.400 | 5250.280 | 5269.680 | --- | --- |
| 11N20SISO | Ant1 | 5280 | 19.440 | 5270.320 | 5289.760 | --- | --- |
| 11N20SISO | Ant1 | 5320 | 19.240 | 5310.520 | 5329.760 | --- | --- |
| 11N20SISO | Ant1 | 5500 | 19.400 | 5490.360 | 5509.760 | --- | --- |
| 11N20SISO | Ant1 | 5580 | 19.160 | 5570.480 | 5589.640 | --- | --- |
| 11N20SISO | Ant1 | 5700 | 19.280 | 5690.400 | 5709.680 | --- | --- |
| 11N20SISO | Ant1 | 5745 | 19.480 | 5735.360 | 5754.840 | --- | --- |
| 11N20SISO | Ant1 | 5785 | 19.360 | 5775.240 | 5794.600 | --- | --- |
| 11N20SISO | Ant1 | 5825 | 19.360 | 5815.400 | 5834.760 | --- | --- |
| 11N40SISO | Ant1 | 5190 | 38.480 | 5170.960 | 5209.440 | --- | --- |
| 11N40SISO | Ant1 | 5230 | 38.560 | 5210.800 | 5249.360 | --- | --- |
| 11N40SISO | Ant1 | 5270 | 38.800 | 5250.720 | 5289.520 | --- | --- |
| 11N40SISO | Ant1 | 5310 | 38.720 | 5290.560 | 5329.280 | --- | --- |
| 11N40SISO | Ant1 | 5510 | 38.800 | 5490.560 | 5529.360 | --- | --- |
| 11N40SISO | Ant1 | 5550 | 38.640 | 5530.560 | 5569.200 | --- | --- |
| 11N40SISO | Ant1 | 5670 | 38.800 | 5650.640 | 5689.440 | --- | --- |
| 11N40SISO | Ant1 | 5755 | 38.560 | 5735.880 | 5774.440 | --- | --- |
| 11N40SISO | Ant1 | 5795 | 38.960 | 5775.560 | 5814.520 | --- | --- |
| 11AC20SISO | Ant1 | 5180 | 19.520 | 5170.280 | 5189.800 | --- | --- |
| 11AC20SISO | Ant1 | 5200 | 19.560 | 5190.200 | 5209.760 | --- | --- |

| | | | | | | | |
|-------------|------|--------------|---------|----------|----------|-----|-----|
| 11AC20SISO | Ant1 | 5240 | 19.480 | 5230.240 | 5249.720 | --- | --- |
| 11AC20SISO | Ant1 | 5260 | 19.400 | 5250.280 | 5269.680 | --- | --- |
| 11AC20SISO | Ant1 | 5280 | 19.320 | 5270.360 | 5289.680 | --- | --- |
| 11AC20SISO | Ant1 | 5320 | 19.360 | 5310.360 | 5329.720 | --- | --- |
| 11AC20SISO | Ant1 | 5500 | 19.600 | 5490.200 | 5509.800 | --- | --- |
| 11AC20SISO | Ant1 | 5580 | 19.400 | 5570.320 | 5589.720 | --- | --- |
| 11AC20SISO | Ant1 | 5700 | 19.440 | 5690.400 | 5709.840 | --- | --- |
| 11AC20SISO | Ant1 | 5745 | 19.440 | 5735.280 | 5754.720 | --- | --- |
| 11AC20SISO | Ant1 | 5785 | 19.360 | 5775.280 | 5794.640 | --- | --- |
| 11AC20SISO | Ant1 | 5825 | 19.400 | 5815.280 | 5834.680 | --- | --- |
| 11AC40SISO | Ant1 | 5190 | 38.720 | 5170.560 | 5209.280 | --- | --- |
| 11AC40SISO | Ant1 | 5230 | 39.280 | 5210.400 | 5249.680 | --- | --- |
| 11AC40SISO | Ant1 | 5270 | 38.640 | 5250.800 | 5289.440 | --- | --- |
| 11AC40SISO | Ant1 | 5310 | 39.120 | 5290.480 | 5329.600 | --- | --- |
| 11AC40SISO | Ant1 | 5510 | 38.720 | 5490.800 | 5529.520 | --- | --- |
| 11AC40SISO | Ant1 | 5550 | 38.880 | 5530.640 | 5569.520 | --- | --- |
| 11AC40SISO | Ant1 | 5670 | 39.120 | 5650.480 | 5689.600 | --- | --- |
| 11AC40SISO | Ant1 | 5755 | 38.560 | 5735.720 | 5774.280 | --- | --- |
| 11AC40SISO | Ant1 | 5795 | 38.720 | 5775.640 | 5814.360 | --- | --- |
| 11AC80SISO | Ant1 | 5210 | 84.160 | 5168.080 | 5252.240 | --- | --- |
| 11AC80SISO | Ant1 | 5290 | 83.680 | 5248.560 | 5332.240 | --- | --- |
| 11AC80SISO | Ant1 | 5530 | 82.240 | 5489.360 | 5571.600 | --- | --- |
| 11AC80SISO | Ant1 | 5610 | 83.360 | 5569.040 | 5652.400 | --- | --- |
| 11AC80SISO | Ant1 | 5775 | 83.360 | 5733.400 | 5816.760 | --- | --- |
| 11AC160SISO | Ant1 | 5250 | 165.120 | 5168.080 | 5333.200 | --- | --- |
| 11AC160SISO | Ant1 | 5250_UNII-1 | 81.92 | 5168.080 | 5250 | --- | --- |
| 11AC160SISO | Ant1 | 5250_UNII-2A | 83.2 | 5250 | 5333.200 | --- | --- |
| 11AC160SISO | Ant1 | 5570 | 164.160 | 5488.720 | 5652.880 | --- | --- |
| 11AX20SISO | Ant1 | 5180 | 20.160 | 5169.920 | 5190.080 | --- | --- |
| 11AX20SISO | Ant1 | 5200 | 20.160 | 5189.920 | 5210.080 | --- | --- |
| 11AX20SISO | Ant1 | 5240 | 20.040 | 5230.000 | 5250.040 | --- | --- |
| 11AX20SISO | Ant1 | 5260 | 20.320 | 5249.800 | 5270.120 | --- | --- |
| 11AX20SISO | Ant1 | 5280 | 20.120 | 5270.040 | 5290.160 | --- | --- |
| 11AX20SISO | Ant1 | 5320 | 20.080 | 5310.000 | 5330.080 | --- | --- |
| 11AX20SISO | Ant1 | 5500 | 20.400 | 5489.880 | 5510.280 | --- | --- |
| 11AX20SISO | Ant1 | 5580 | 20.360 | 5569.840 | 5590.200 | --- | --- |
| 11AX20SISO | Ant1 | 5700 | 20.160 | 5689.960 | 5710.120 | --- | --- |
| 11AX20SISO | Ant1 | 5745 | 20.200 | 5735.000 | 5755.200 | --- | --- |
| 11AX20SISO | Ant1 | 5785 | 20.320 | 5774.840 | 5795.160 | --- | --- |
| 11AX20SISO | Ant1 | 5825 | 20.440 | 5814.800 | 5835.240 | --- | --- |
| 11AX40SISO | Ant1 | 5190 | 39.920 | 5170.160 | 5210.080 | --- | --- |
| 11AX40SISO | Ant1 | 5230 | 39.680 | 5210.160 | 5249.840 | --- | --- |
| 11AX40SISO | Ant1 | 5270 | 39.680 | 5250.320 | 5290.000 | --- | --- |

| | | | | | | | |
|-------------|------|--------------|---------|----------|----------|-----|-----|
| 11AX40SISO | Ant1 | 5310 | 39.440 | 5290.320 | 5329.760 | --- | --- |
| 11AX40SISO | Ant1 | 5510 | 40.160 | 5490.000 | 5530.160 | --- | --- |
| 11AX40SISO | Ant1 | 5550 | 40.080 | 5530.000 | 5570.080 | --- | --- |
| 11AX40SISO | Ant1 | 5670 | 39.920 | 5650.160 | 5690.080 | --- | --- |
| 11AX40SISO | Ant1 | 5755 | 39.840 | 5735.160 | 5775.000 | --- | --- |
| 11AX40SISO | Ant1 | 5795 | 39.920 | 5775.160 | 5815.080 | --- | --- |
| 11AX80SISO | Ant1 | 5210 | 80.160 | 5170.160 | 5250.320 | --- | --- |
| 11AX80SISO | Ant1 | 5290 | 80.000 | 5250.160 | 5330.160 | --- | --- |
| 11AX80SISO | Ant1 | 5530 | 80.000 | 5490.160 | 5570.160 | --- | --- |
| 11AX80SISO | Ant1 | 5610 | 80.000 | 5570.160 | 5650.160 | --- | --- |
| 11AX80SISO | Ant1 | 5775 | 80.000 | 5735.160 | 5815.160 | --- | --- |
| 11AX160SISO | Ant1 | 5250 | 161.600 | 5169.360 | 5330.960 | --- | --- |
| 11AX160SISO | Ant1 | 5250_UNII-1 | 80.64 | 5169.360 | 5250 | --- | --- |
| 11AX160SISO | Ant1 | 5250_UNII-2A | 80.96 | 5250 | 5330.960 | --- | --- |
| 11AX160SISO | Ant1 | 5570 | 161.920 | 5489.680 | 5651.600 | --- | --- |

Test Graphs





11A-Ant1-5240



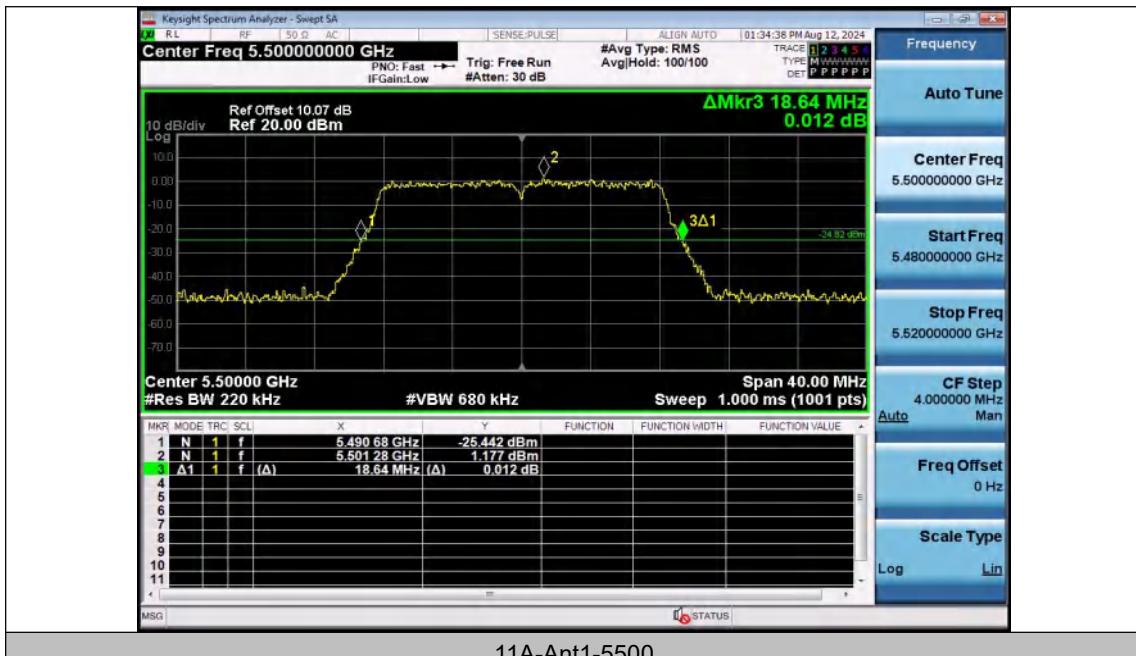
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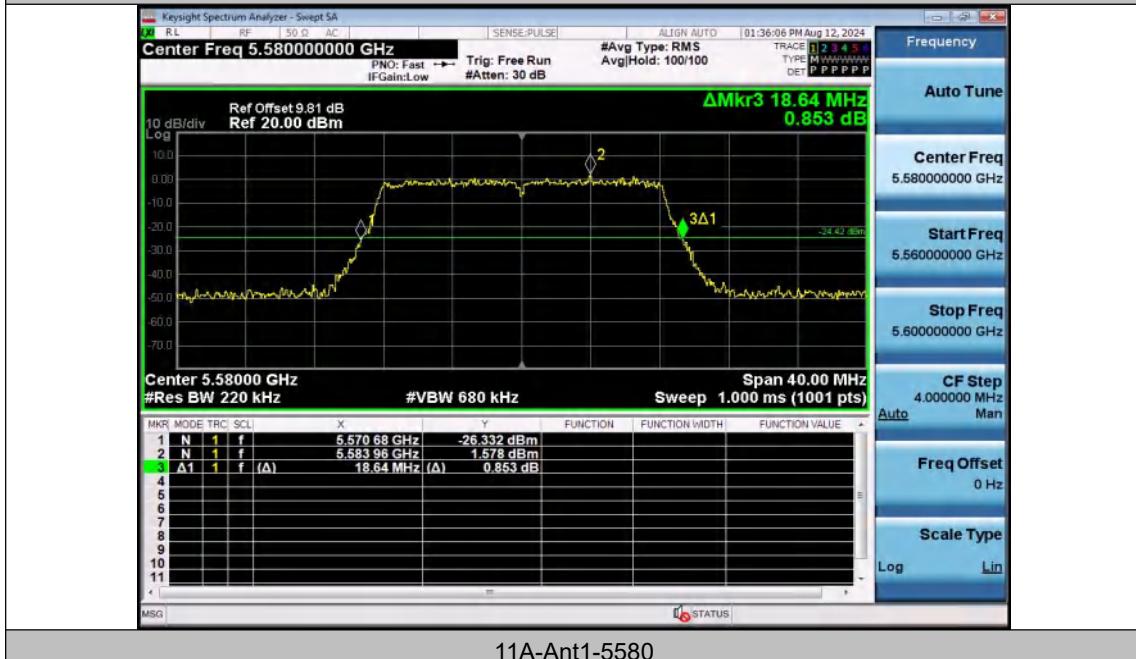
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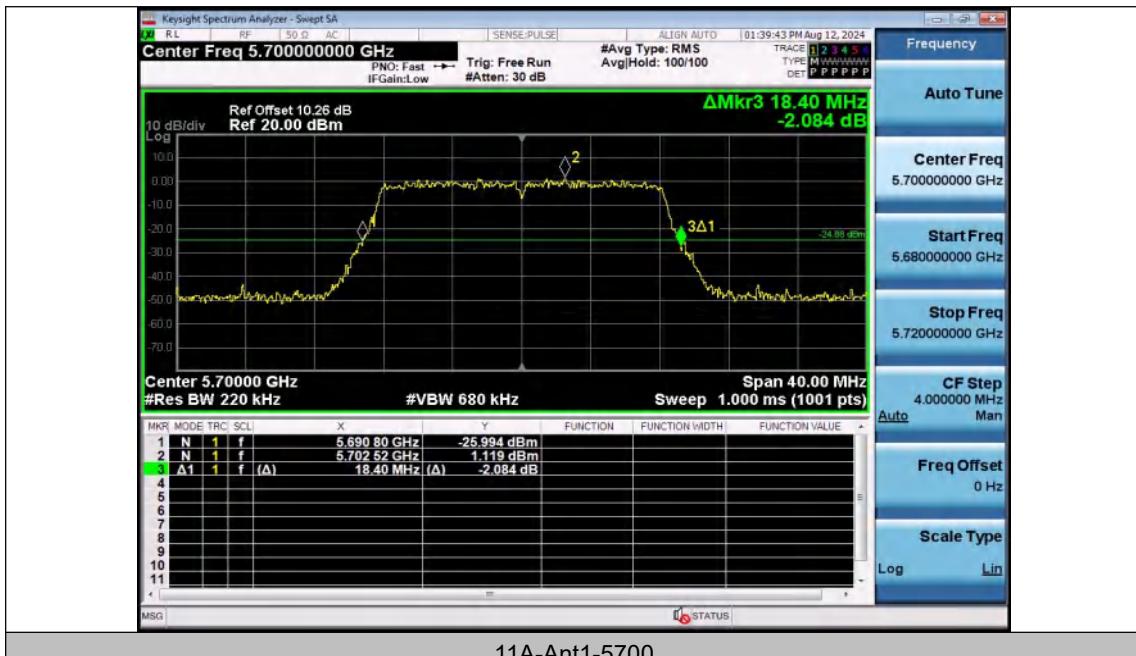
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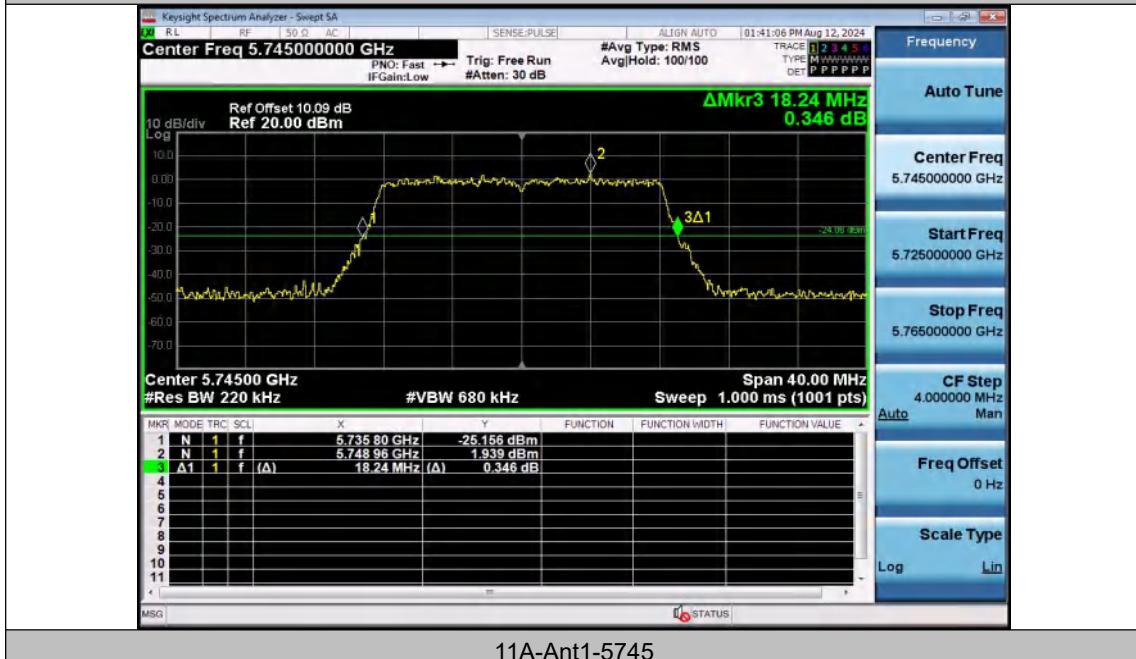
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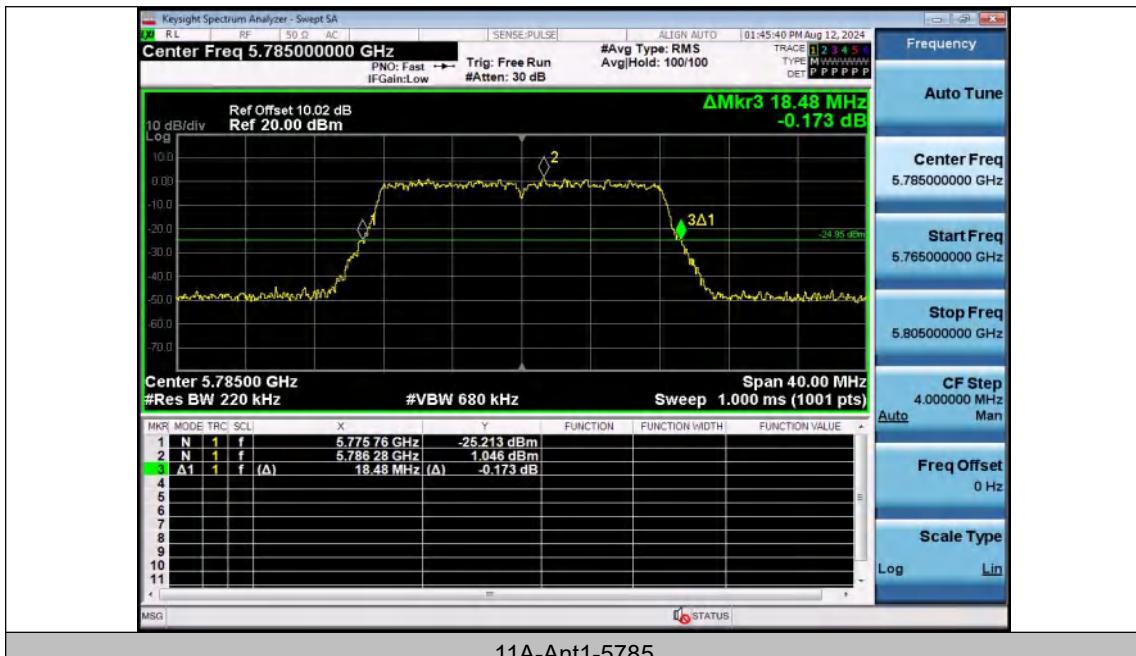
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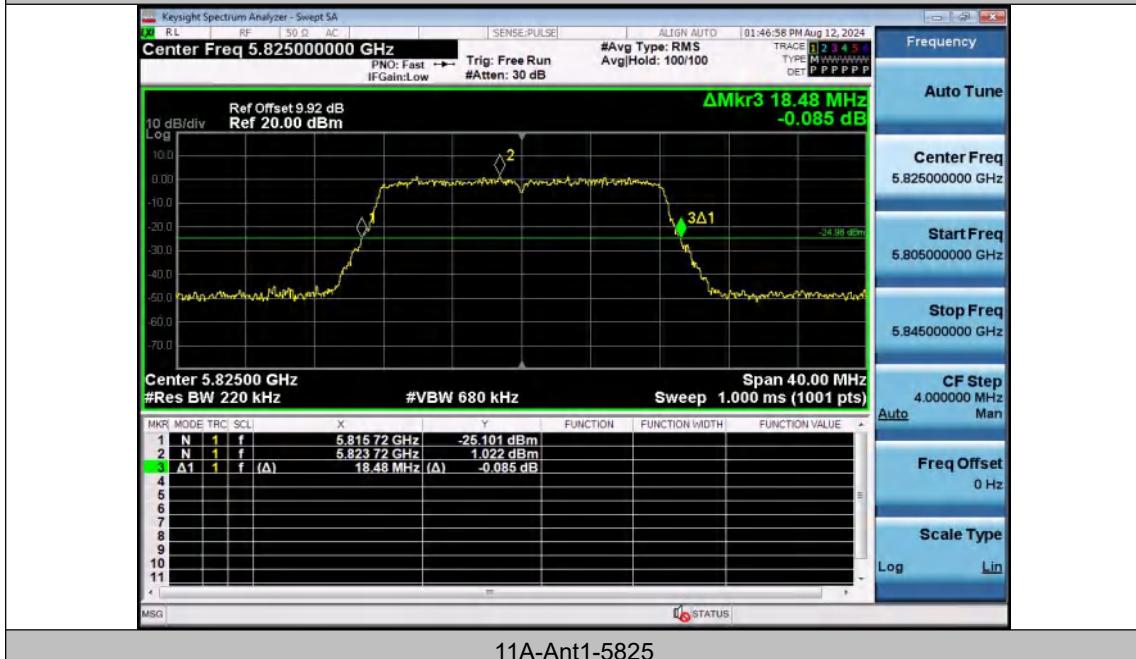
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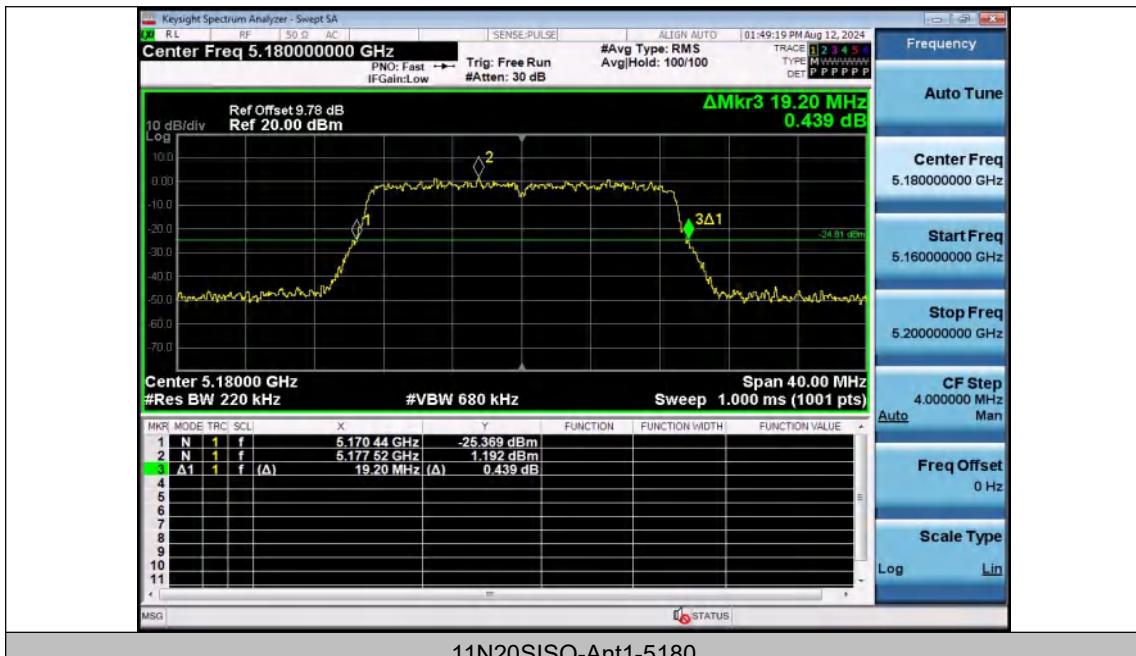
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11A-Ant1-5785



11A-Ant1-5825



11N20SISO-Ant1-5180



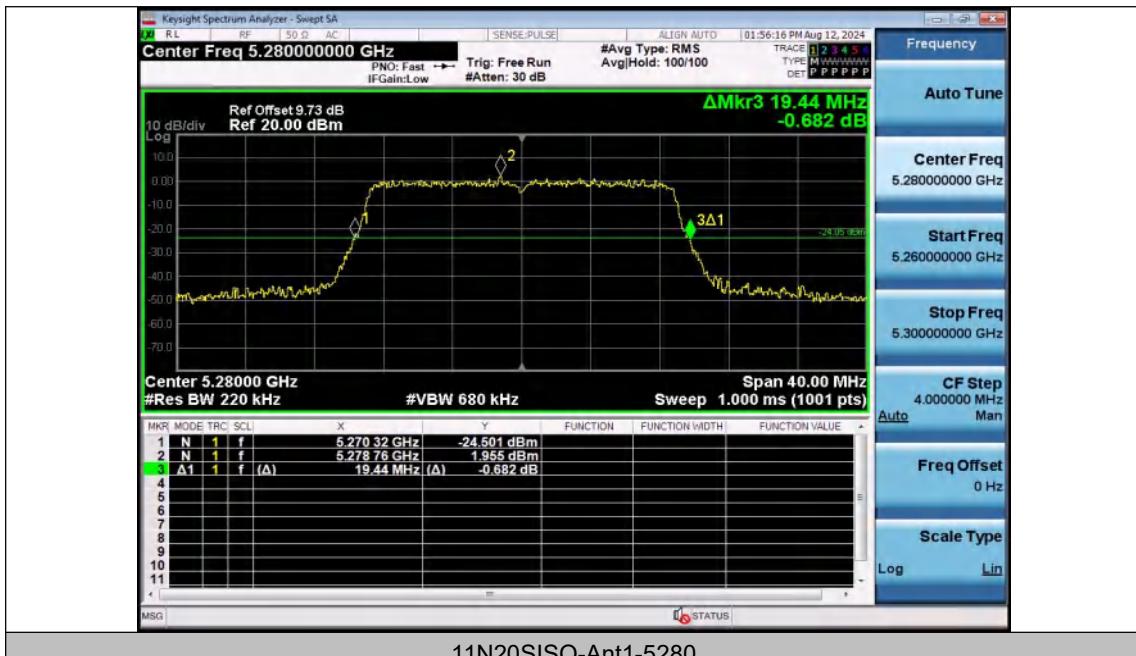
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11N20SISO-Ant1-5260



11N20SISO-Ant1-5280



11N20SISO-Ant1-5320



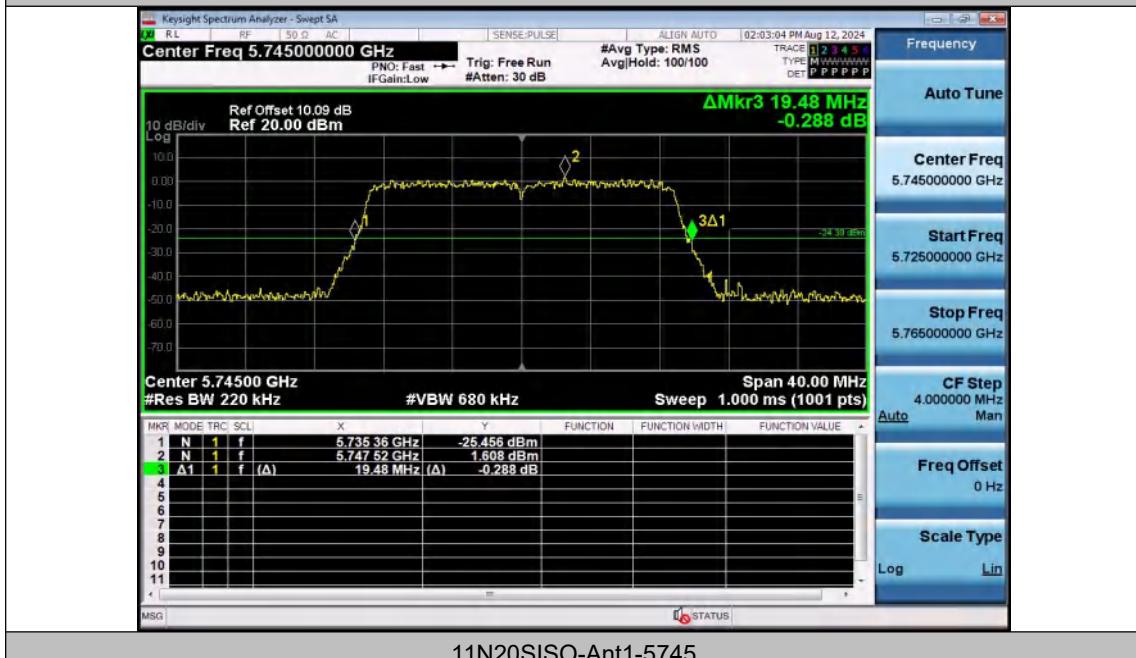
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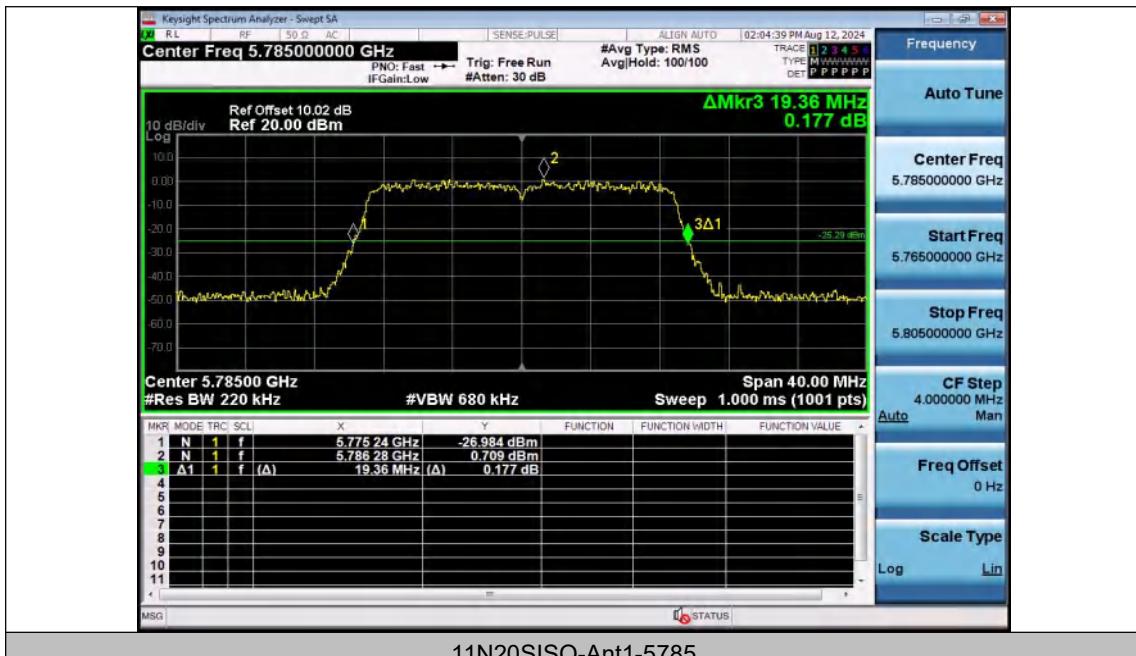
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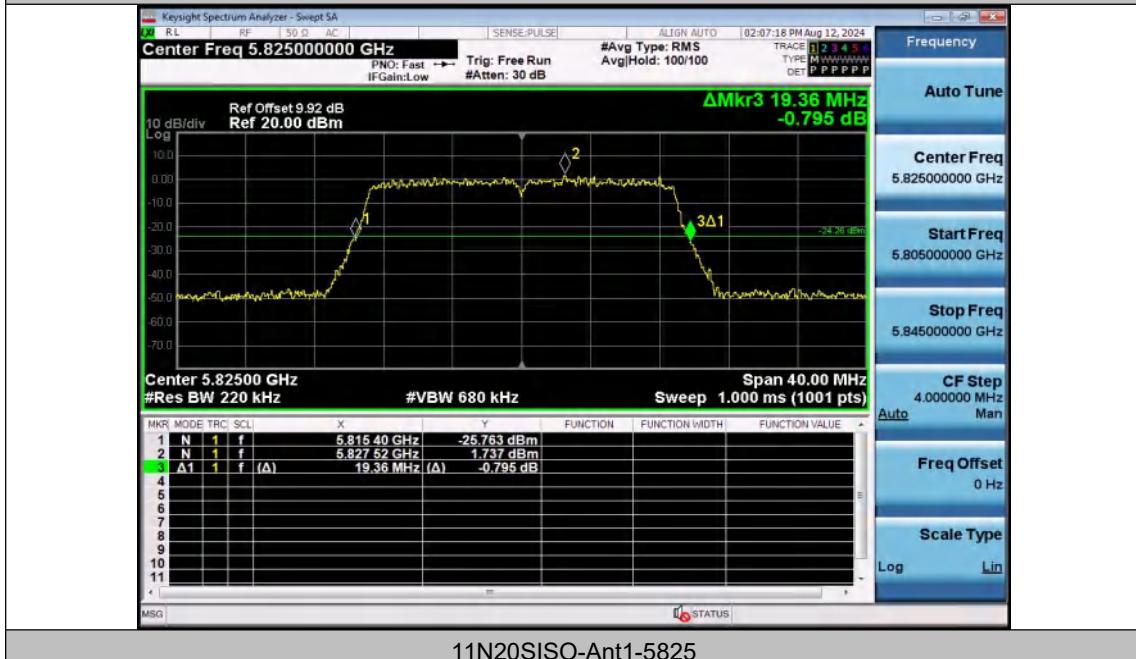
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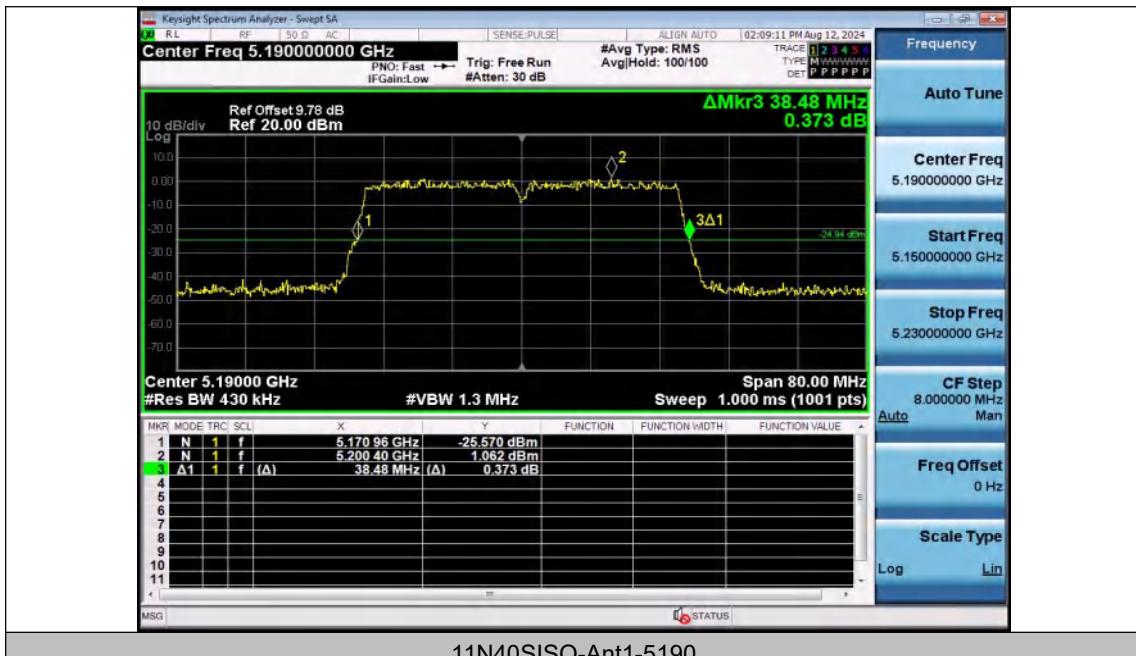
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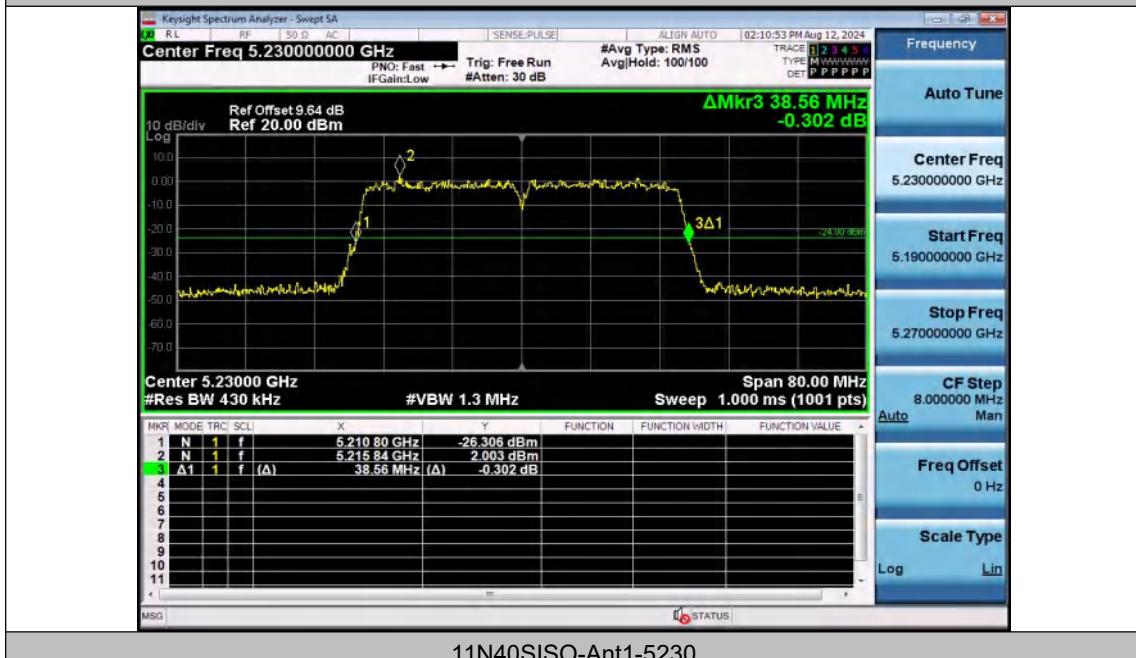
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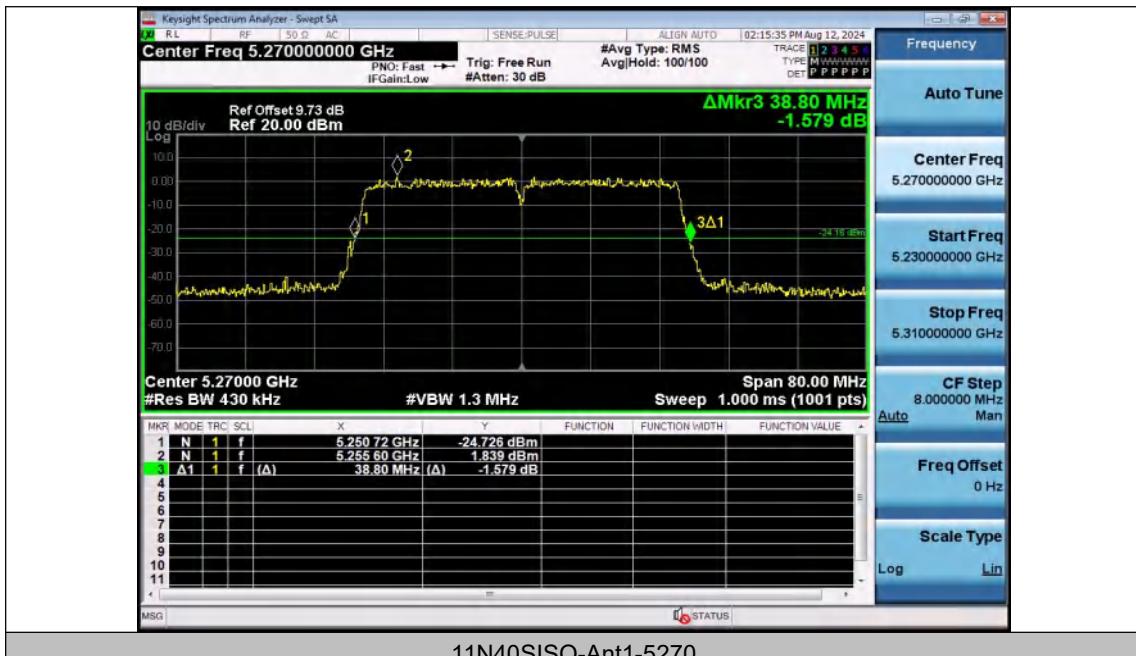
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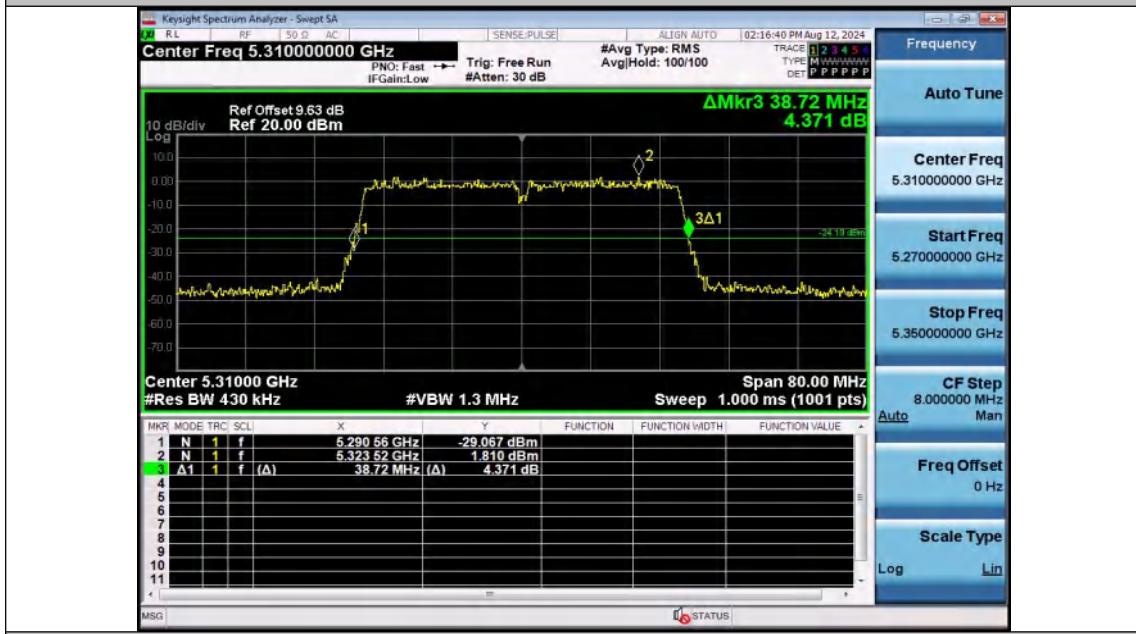
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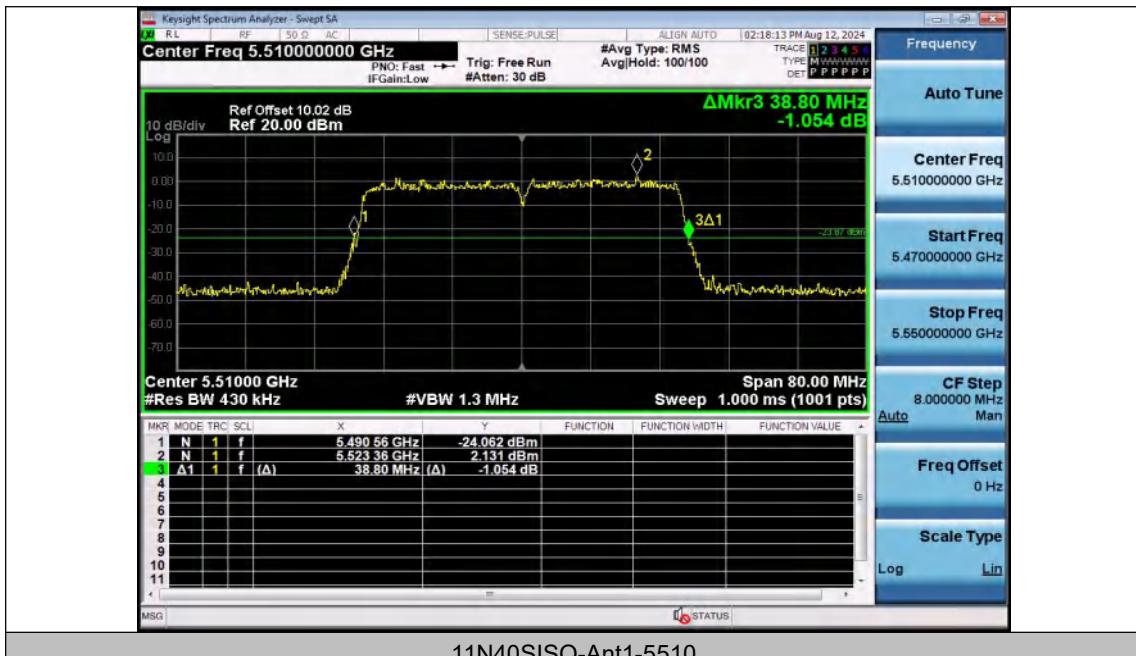
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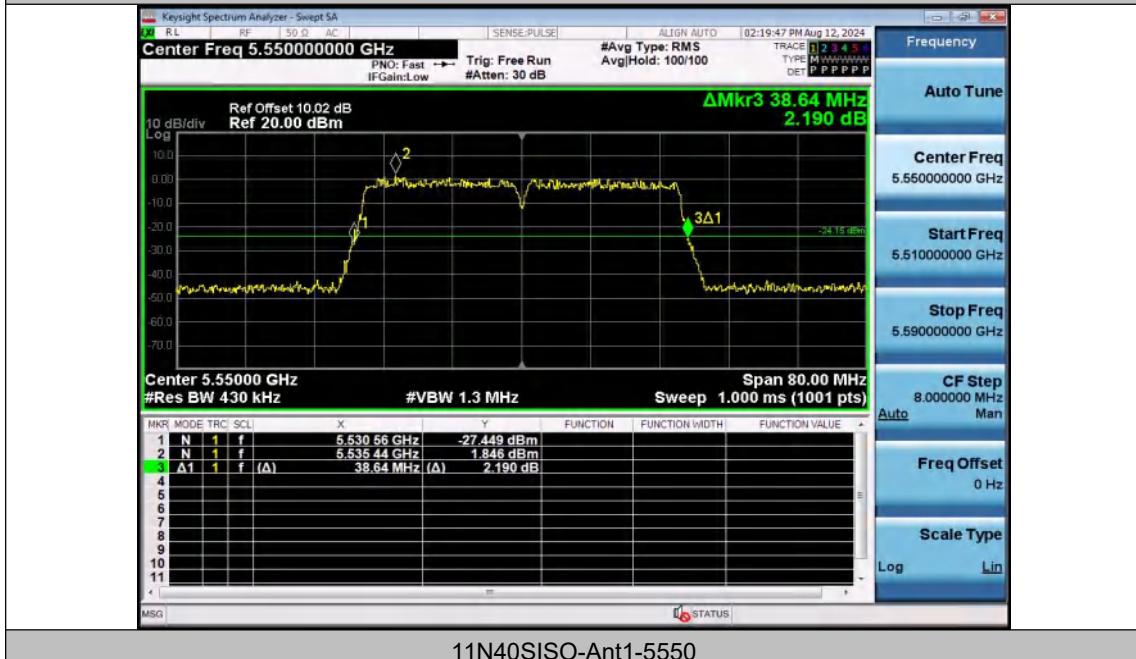
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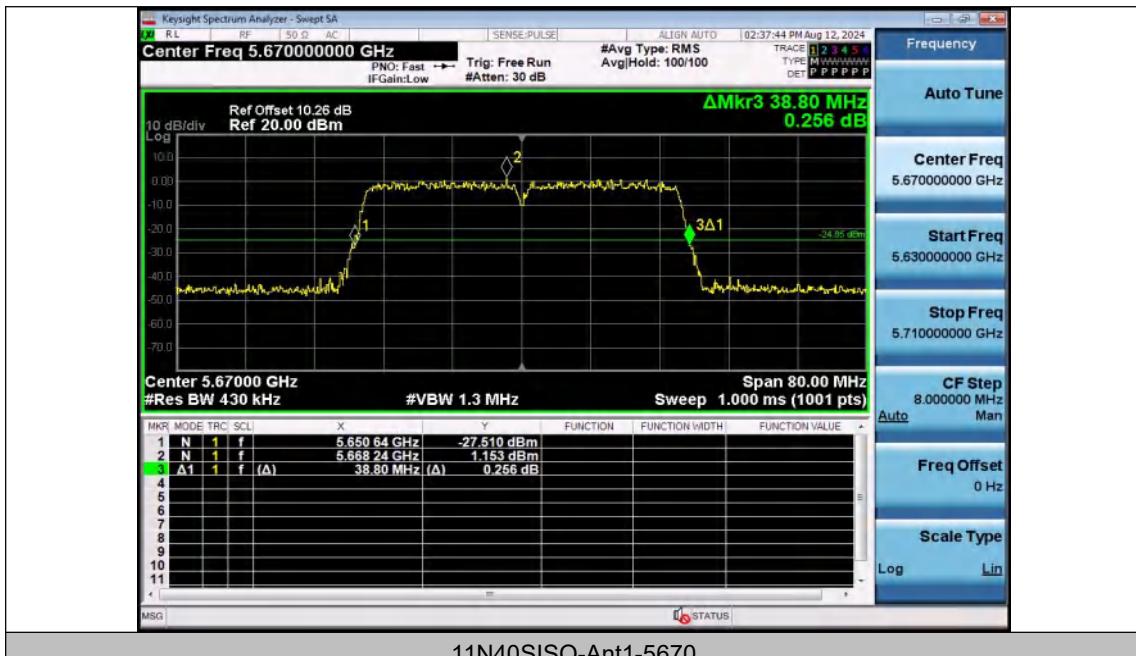
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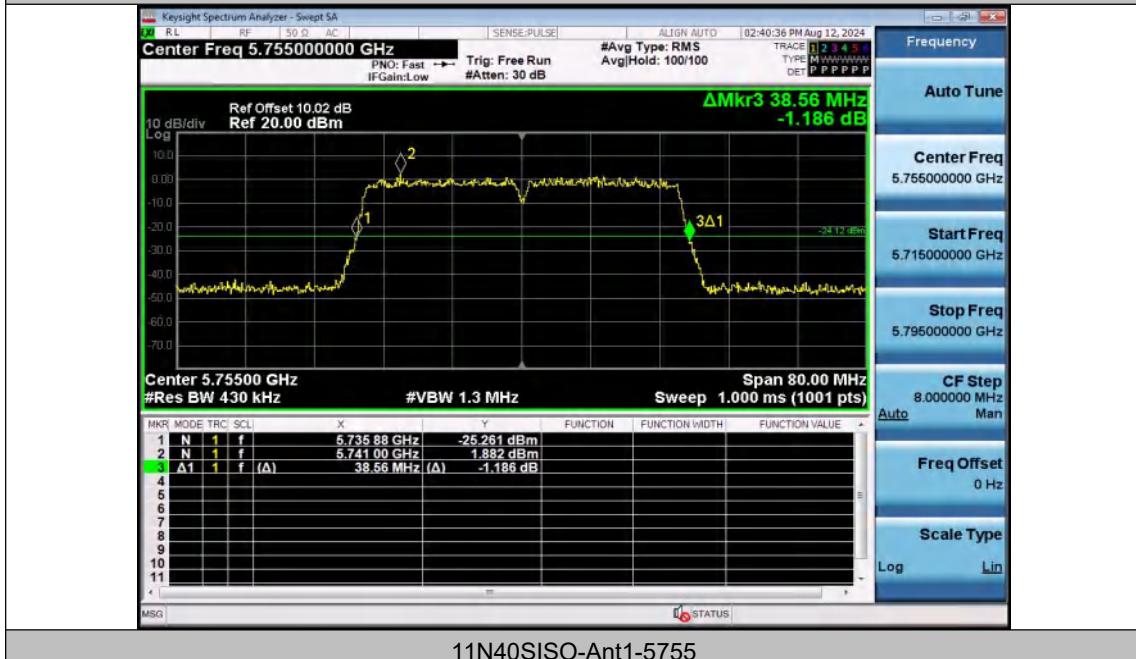
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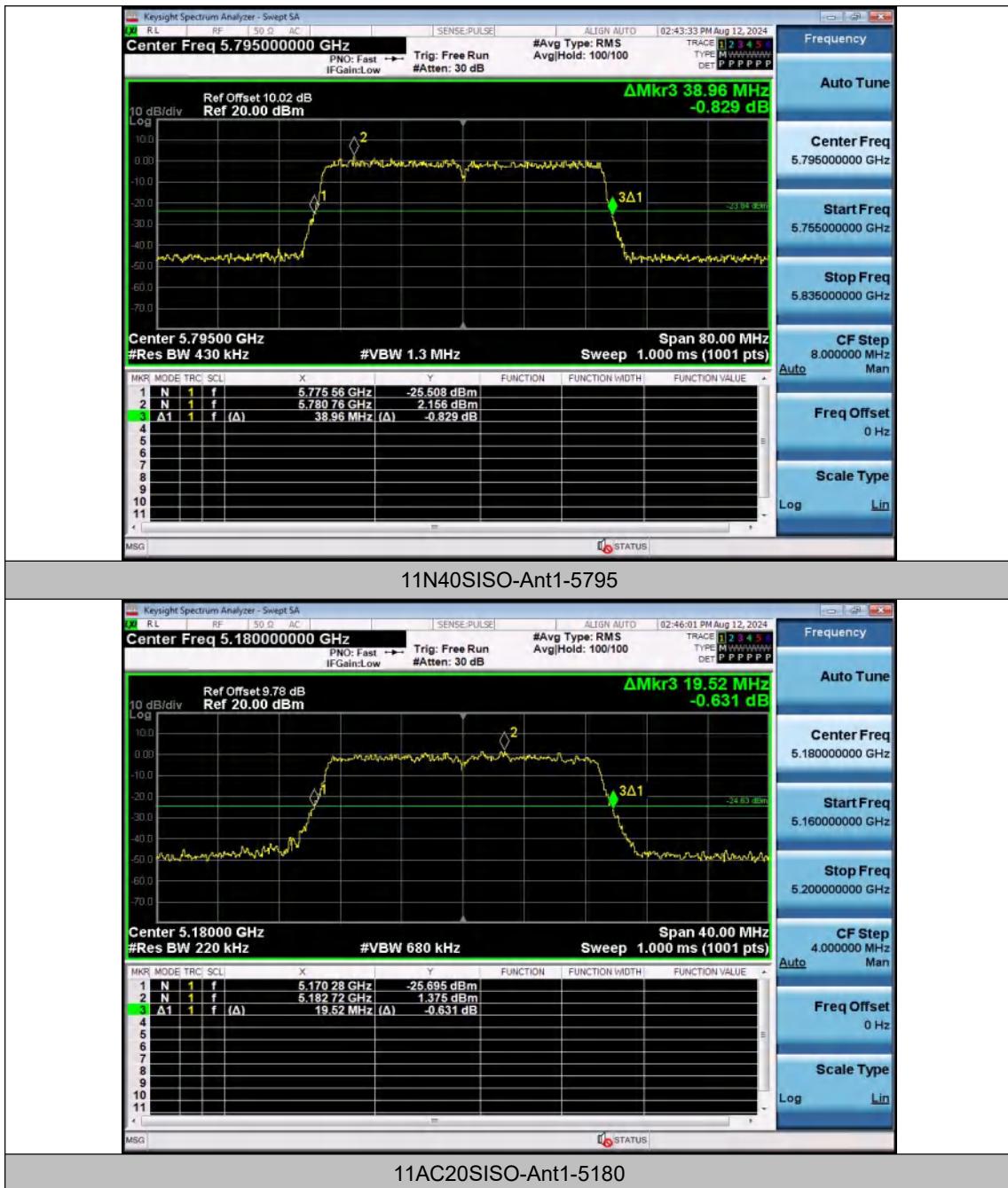
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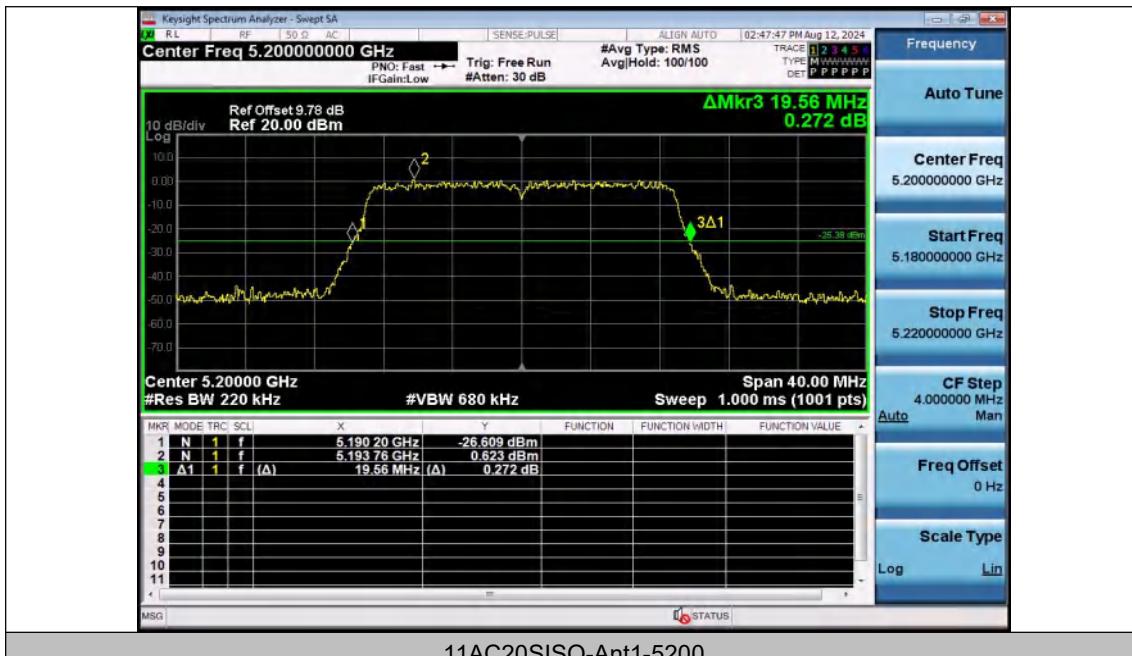


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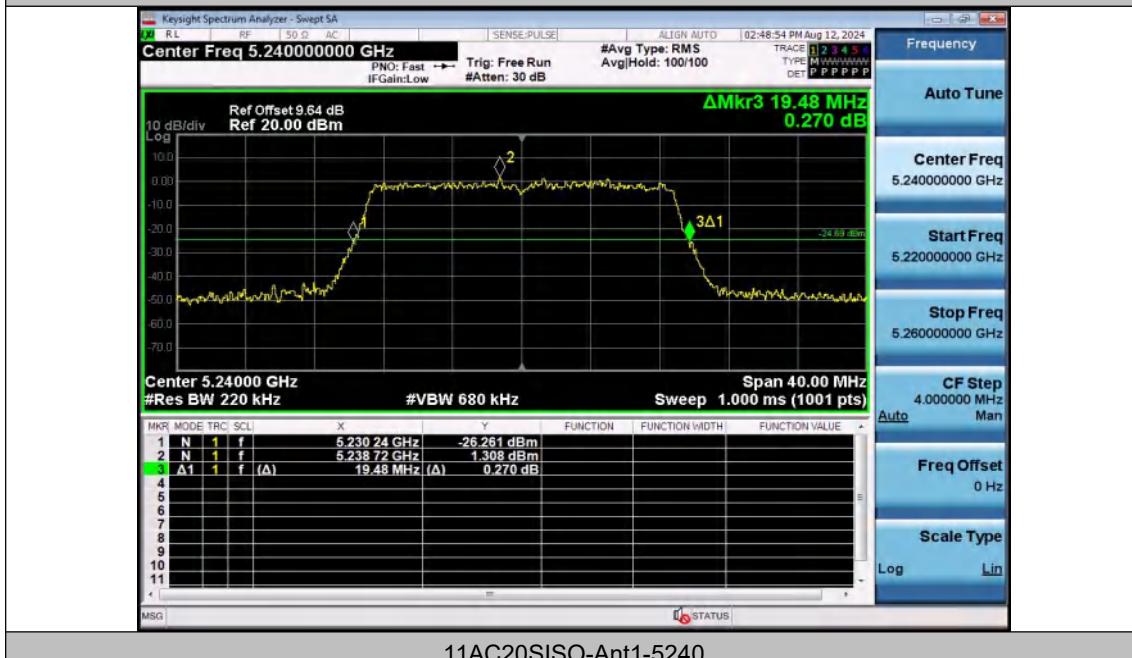


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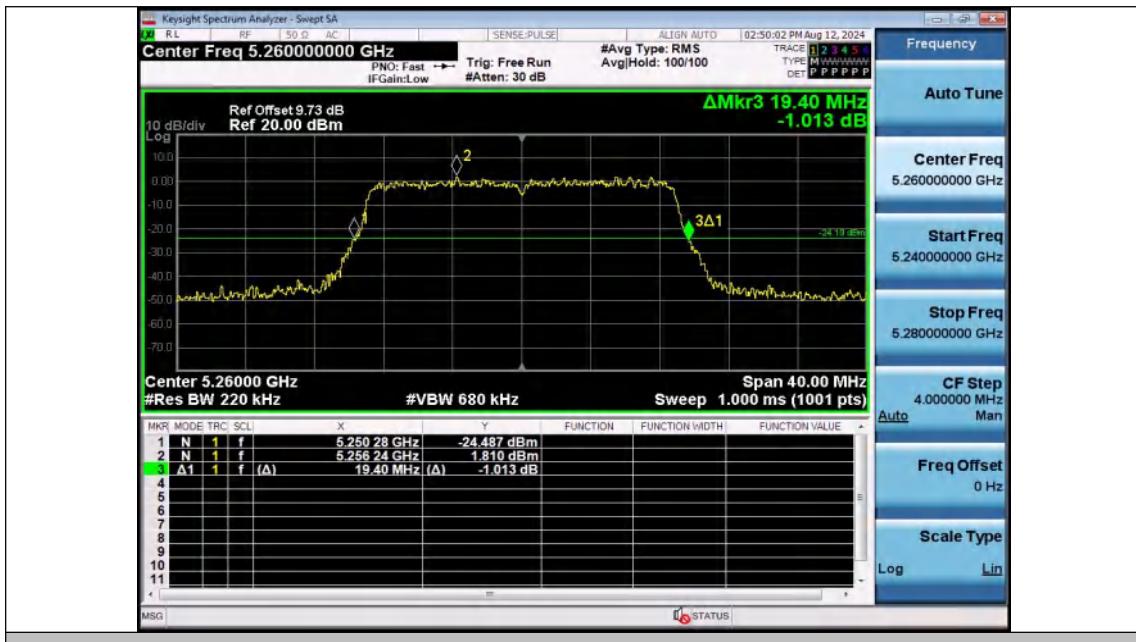




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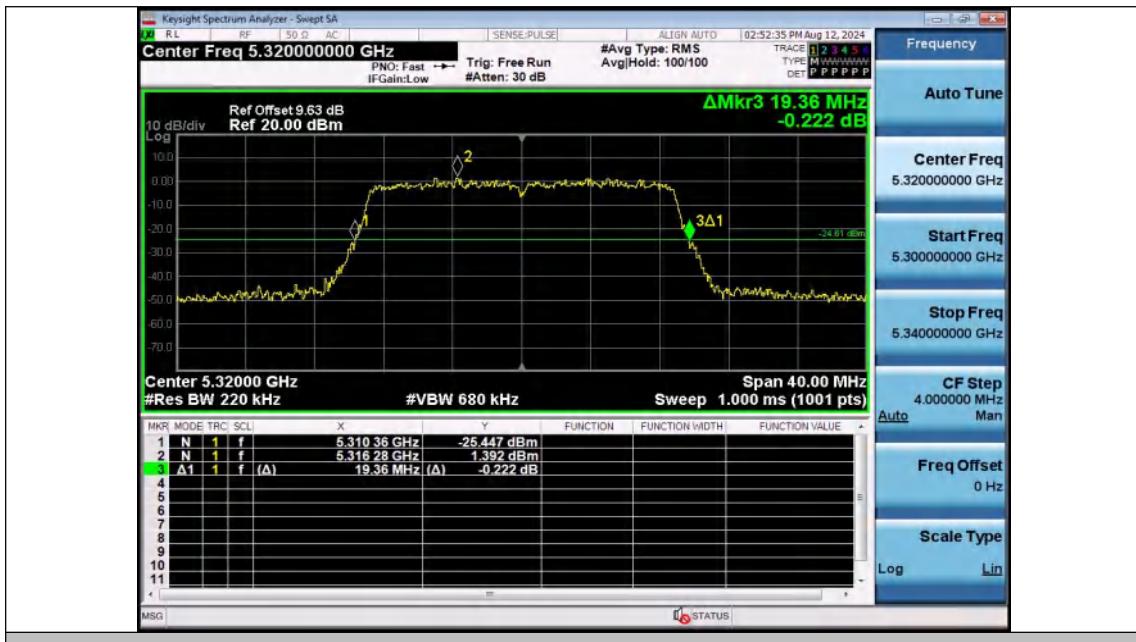
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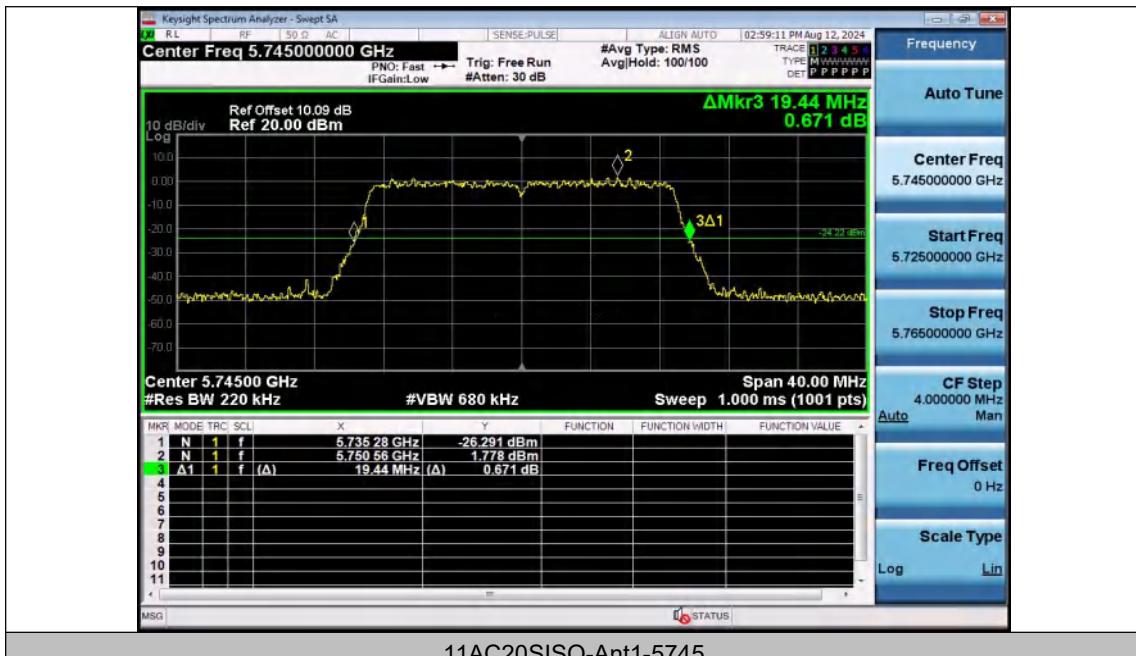
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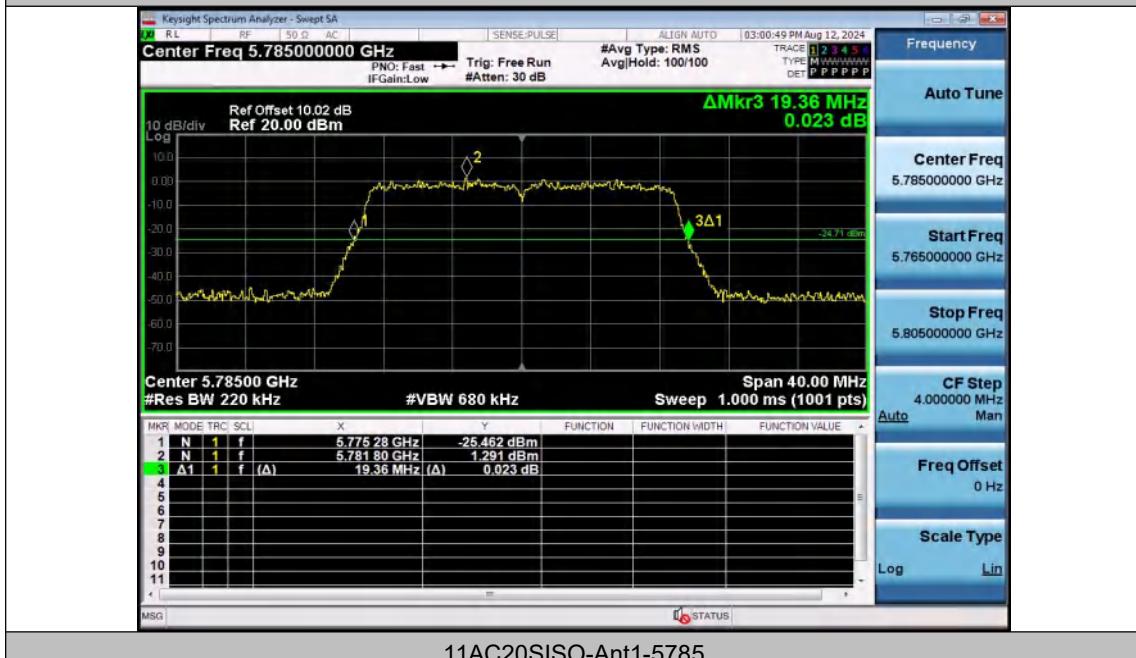
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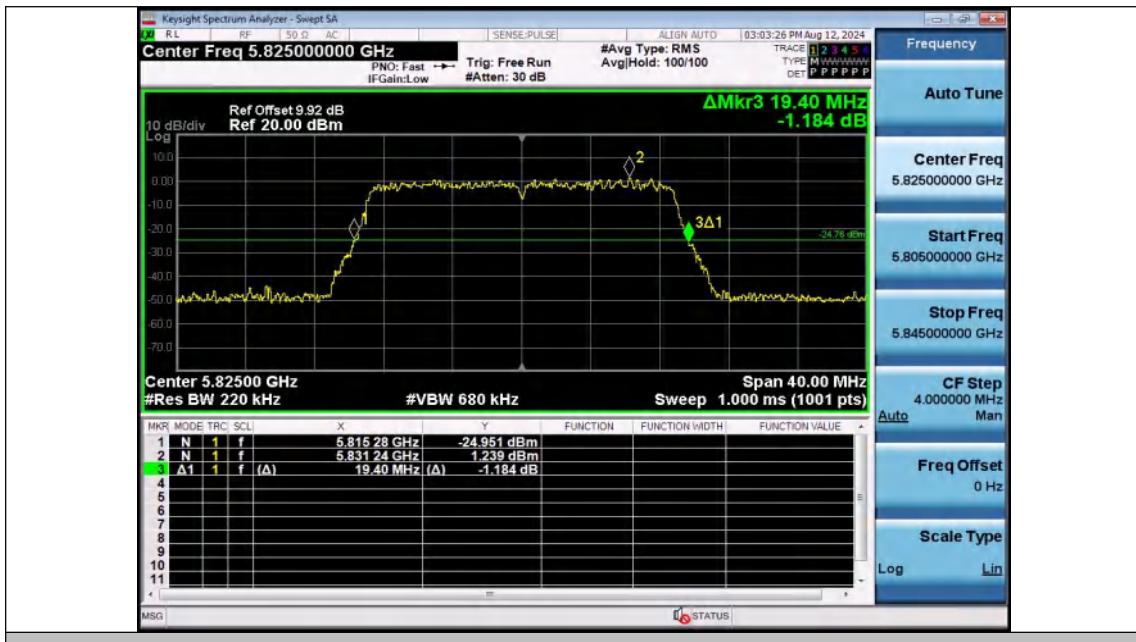




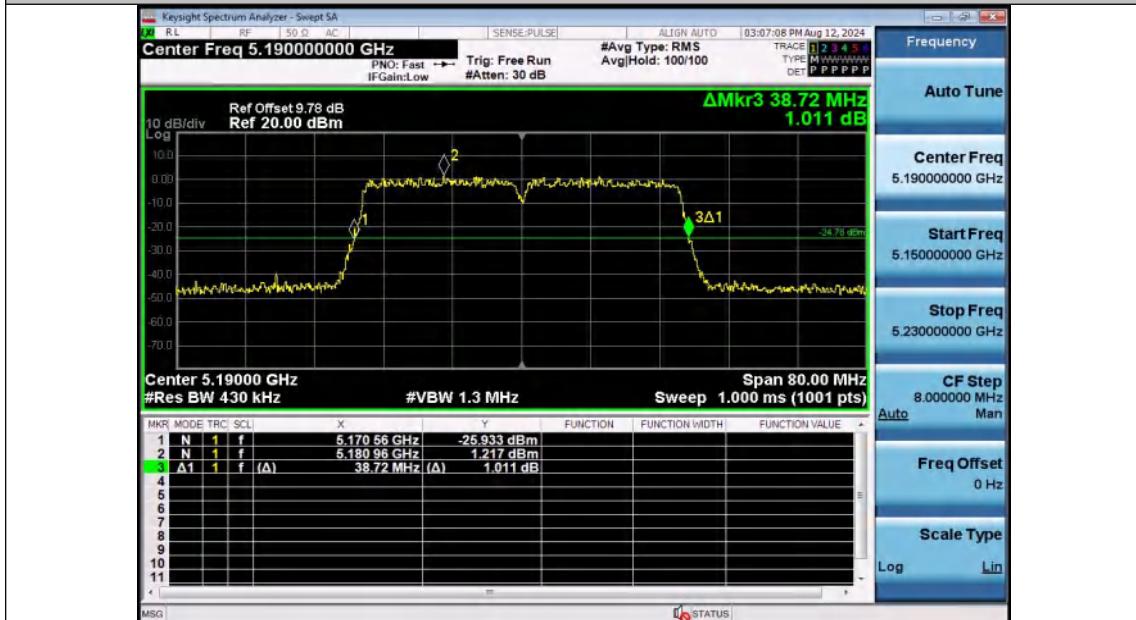
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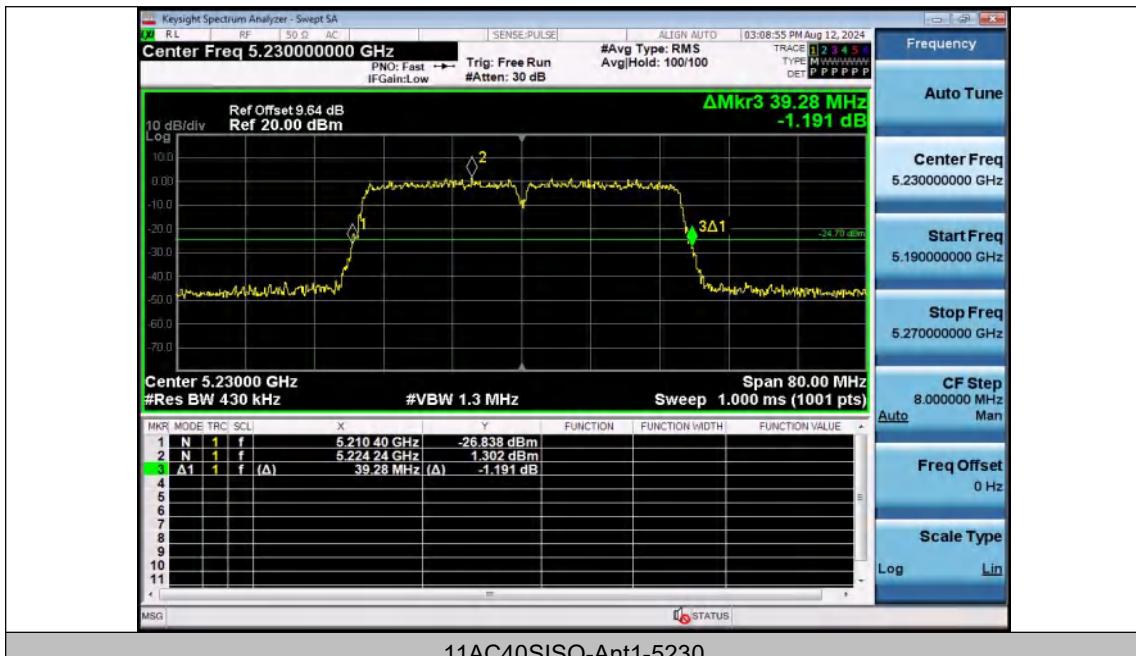
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11AC20SISO-Ant1-5825

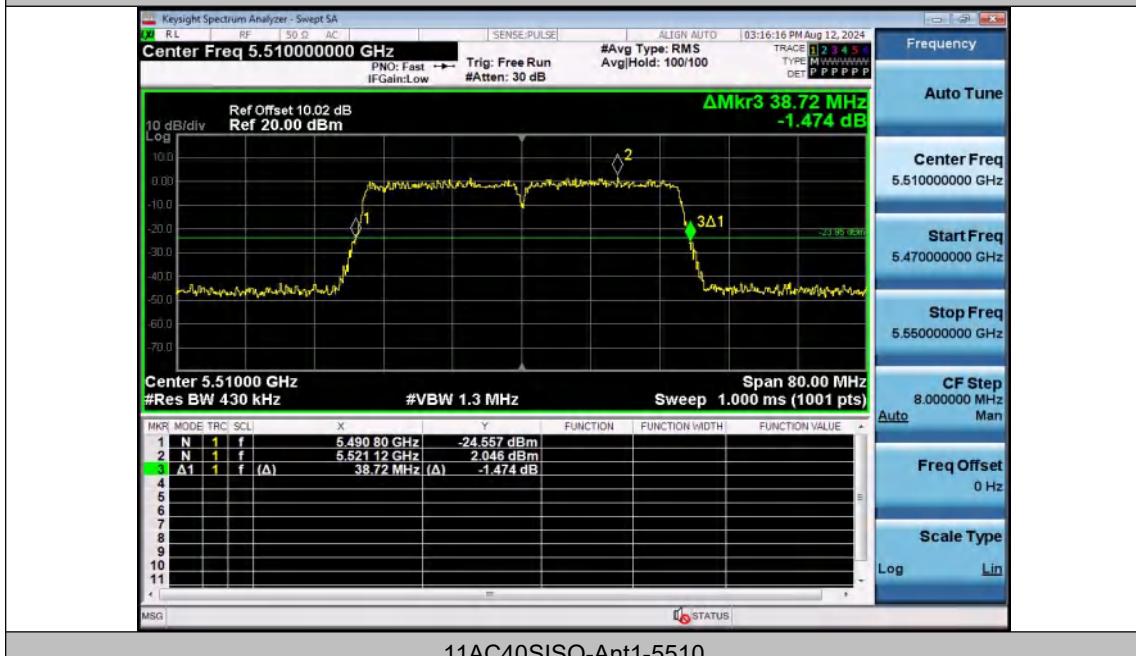


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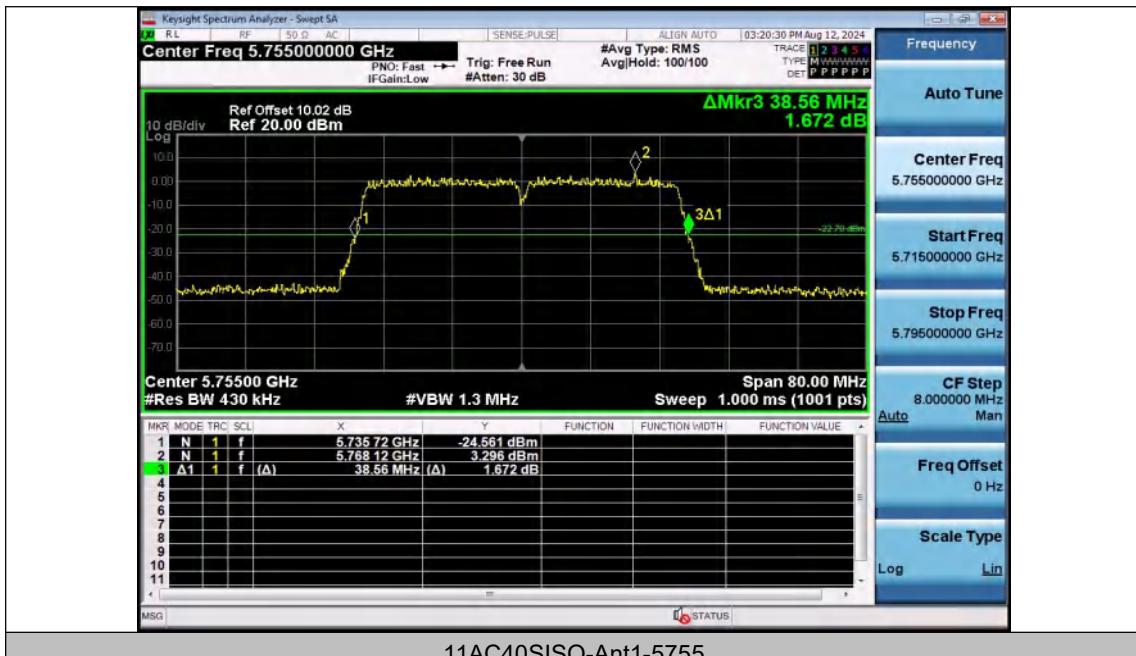


11AC40SISO-Ant1-5310



11AC40SISO-Ant1-5510





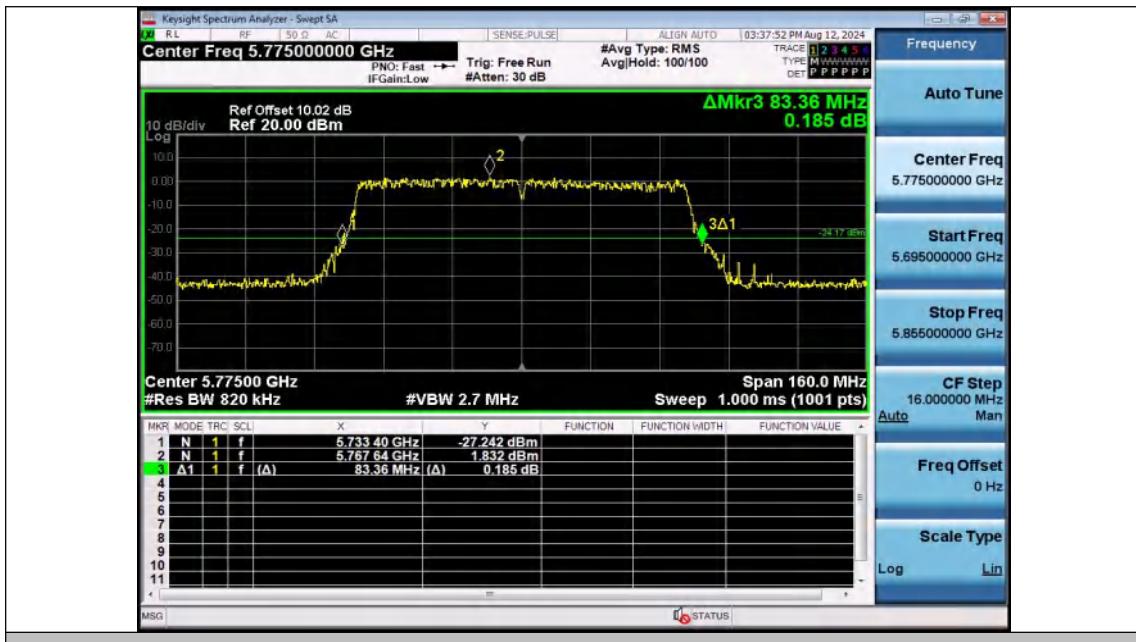


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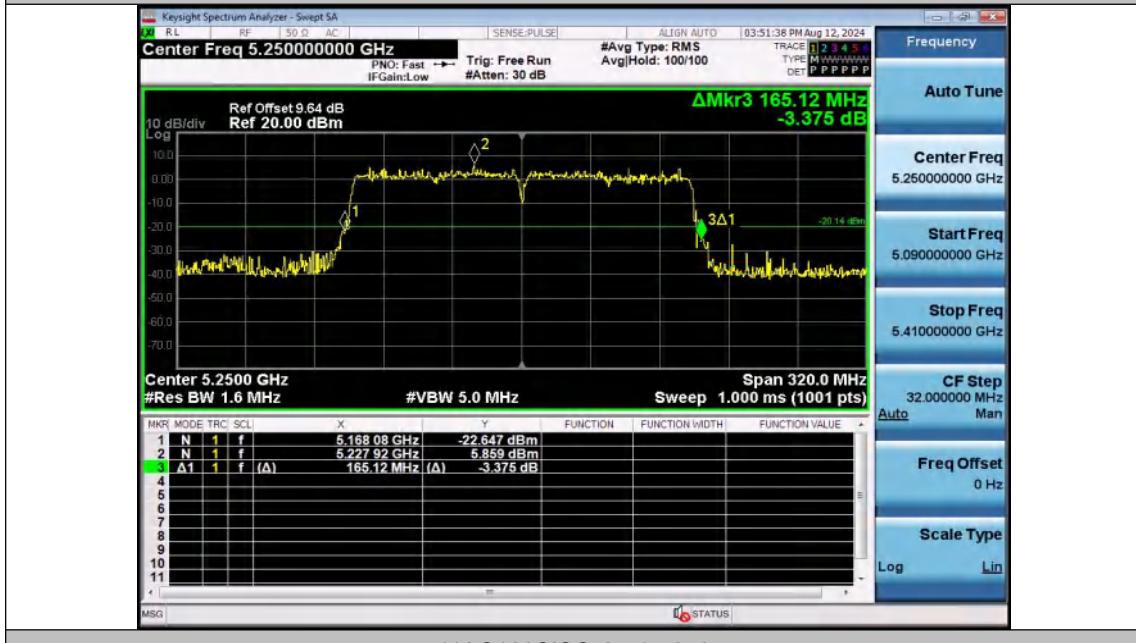


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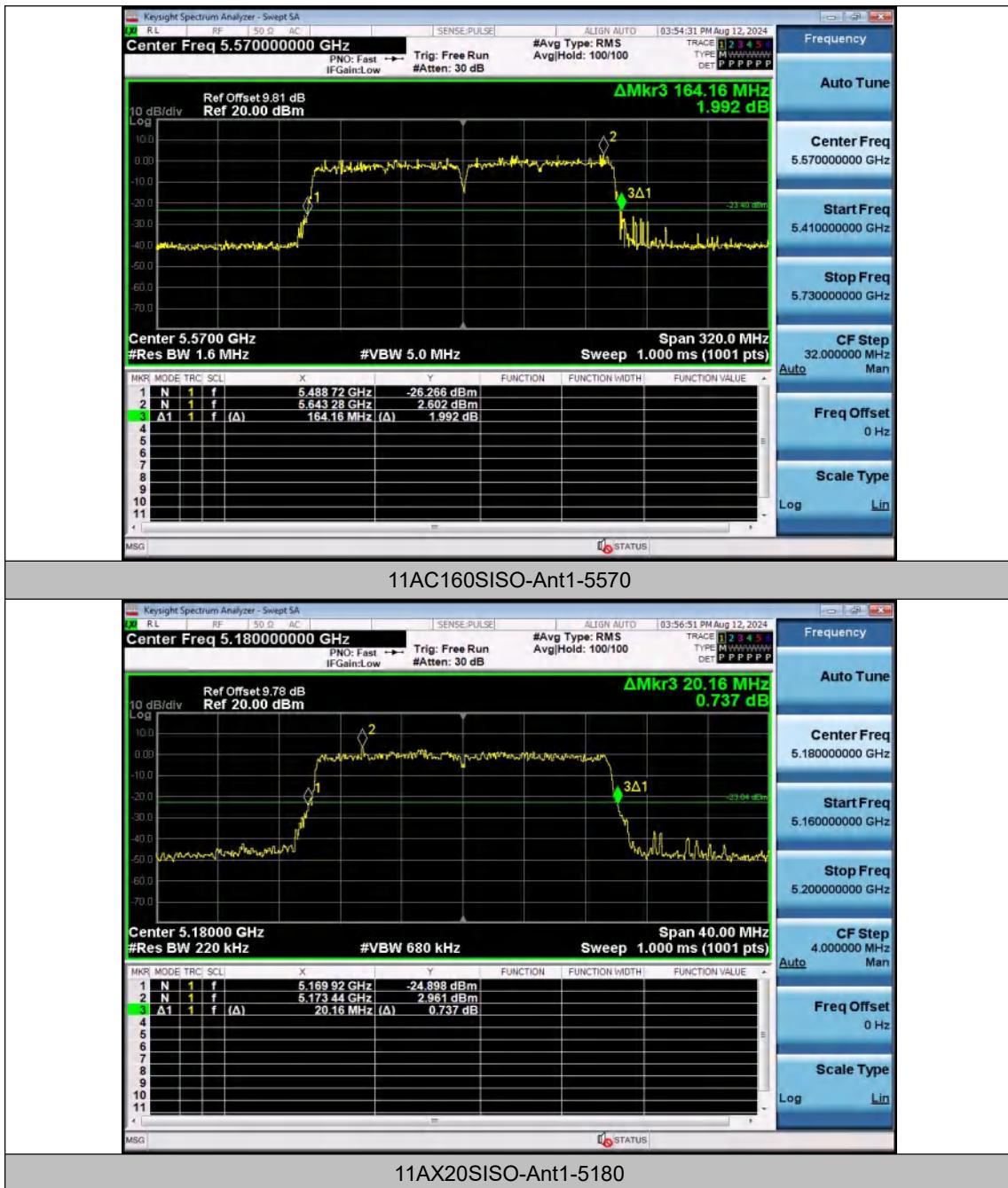




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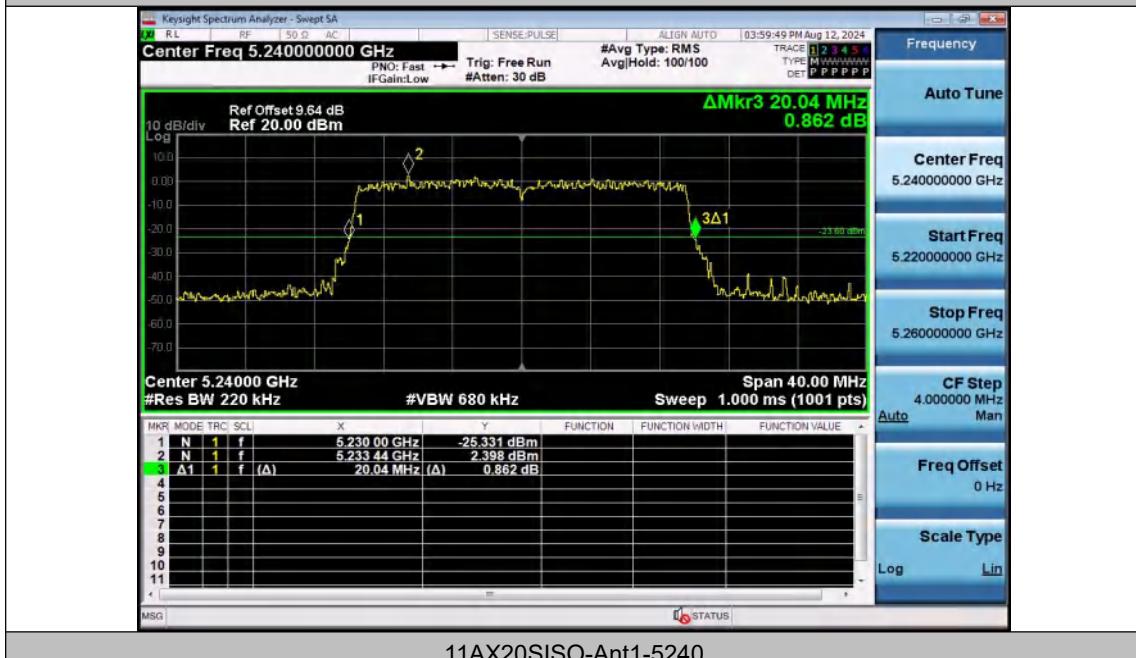


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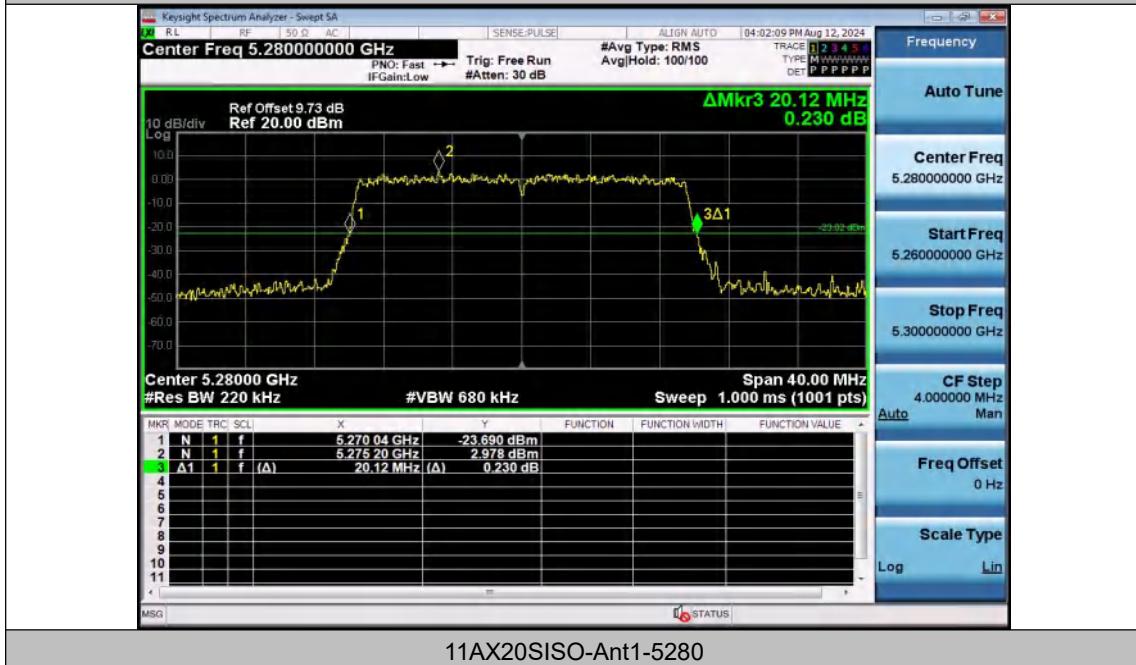
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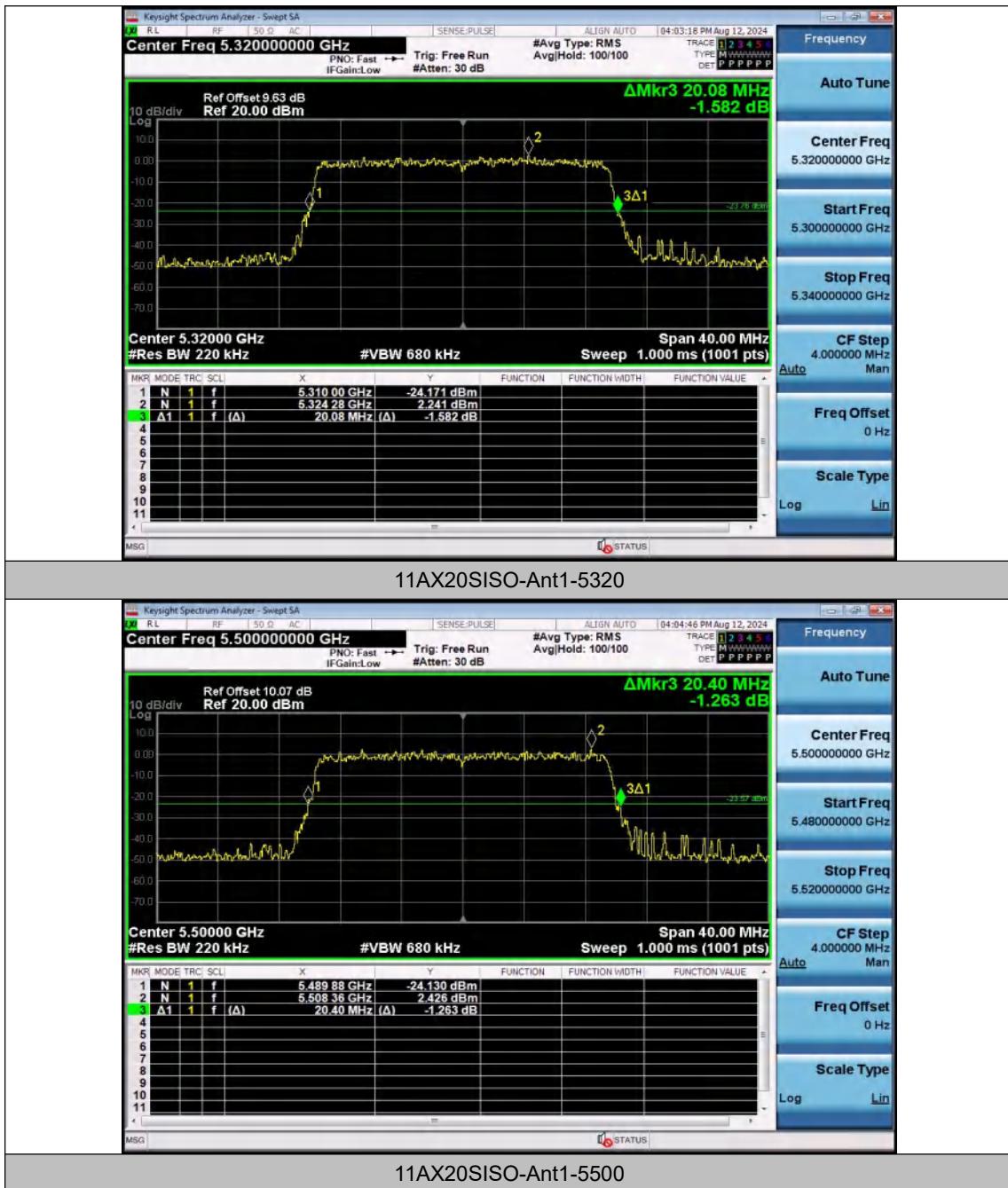
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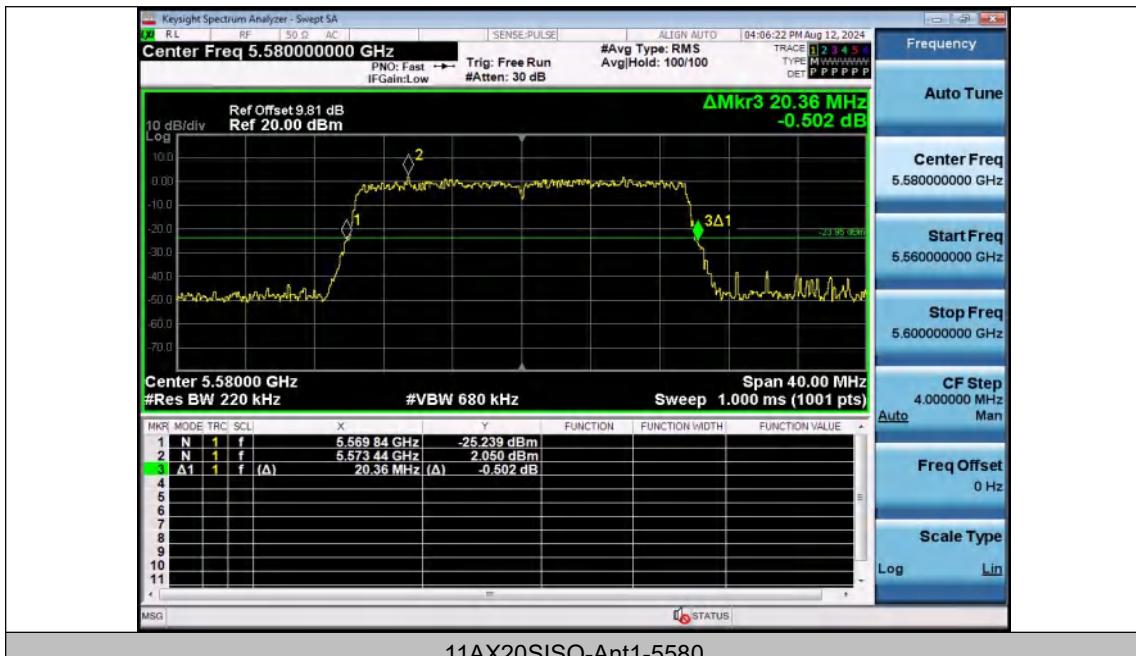


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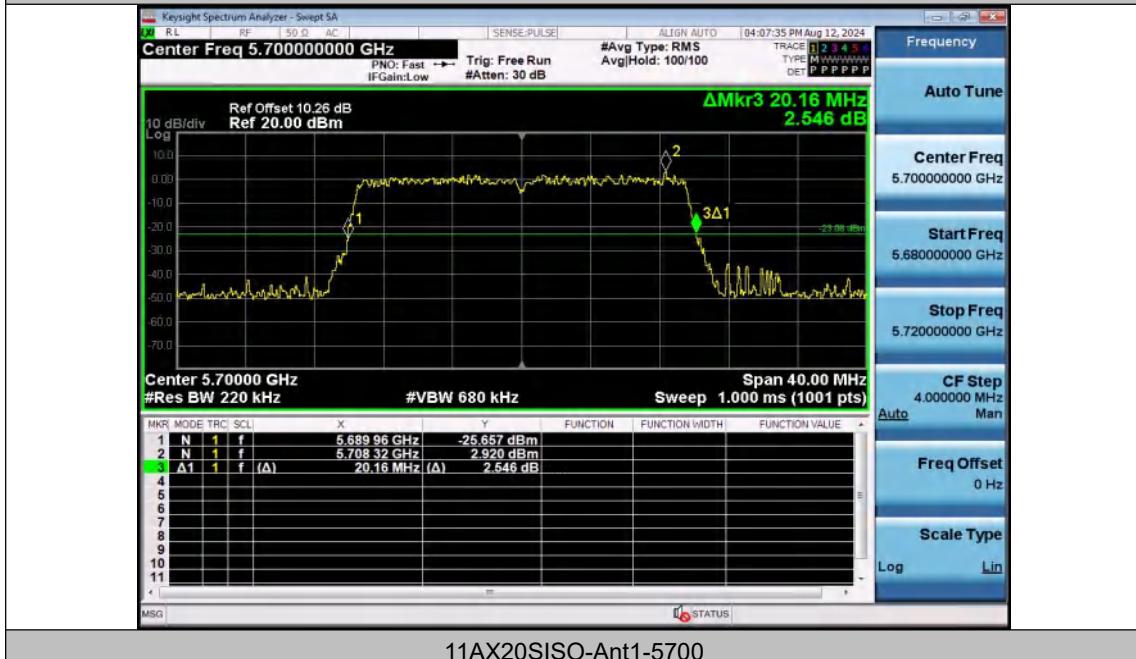


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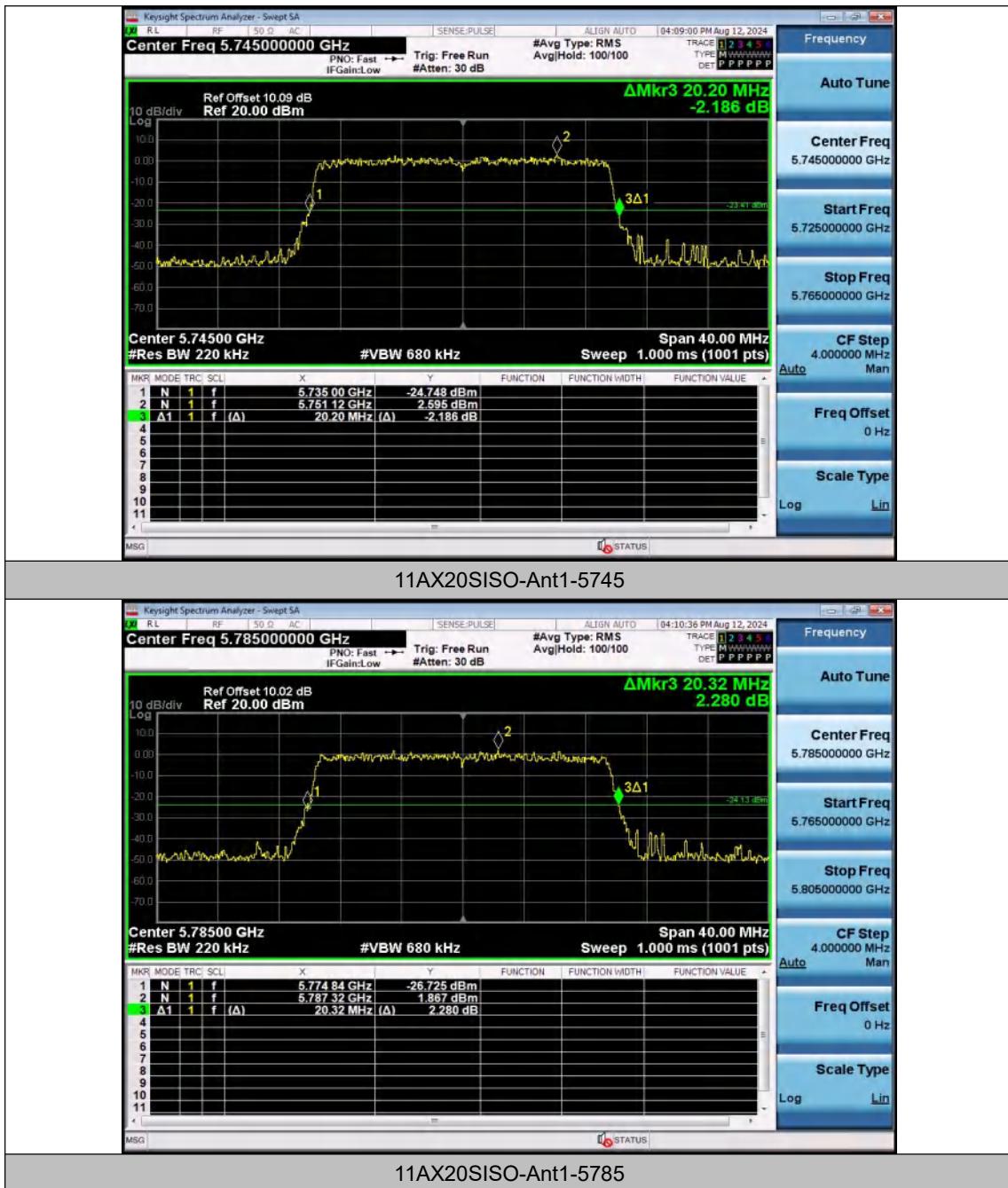


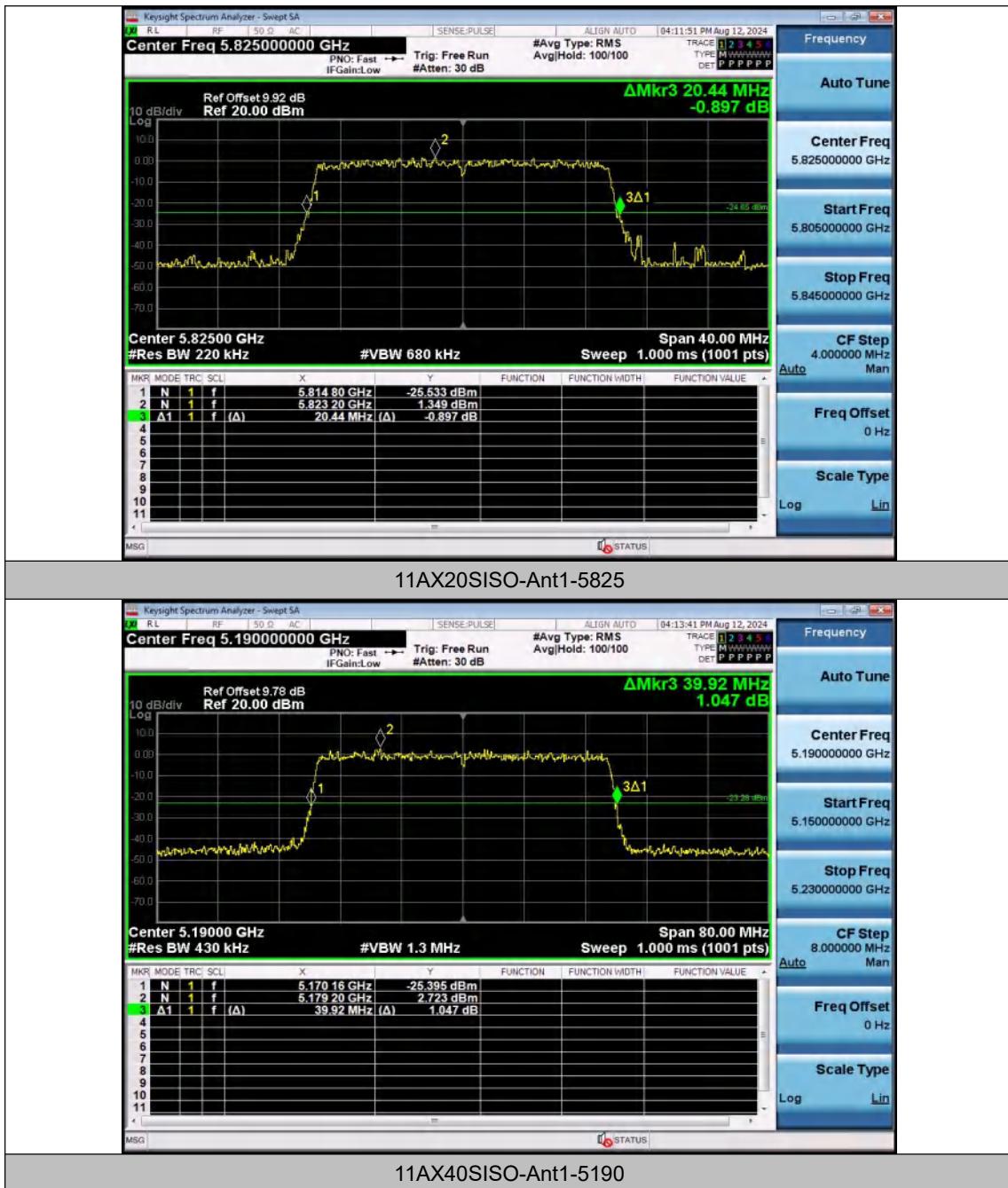


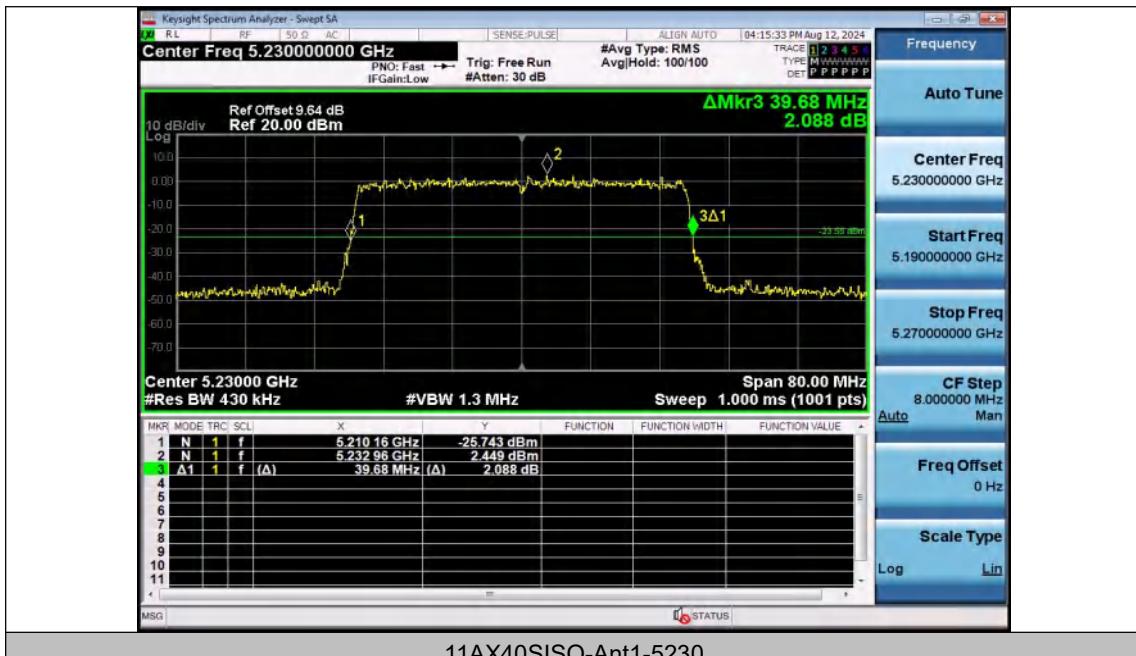
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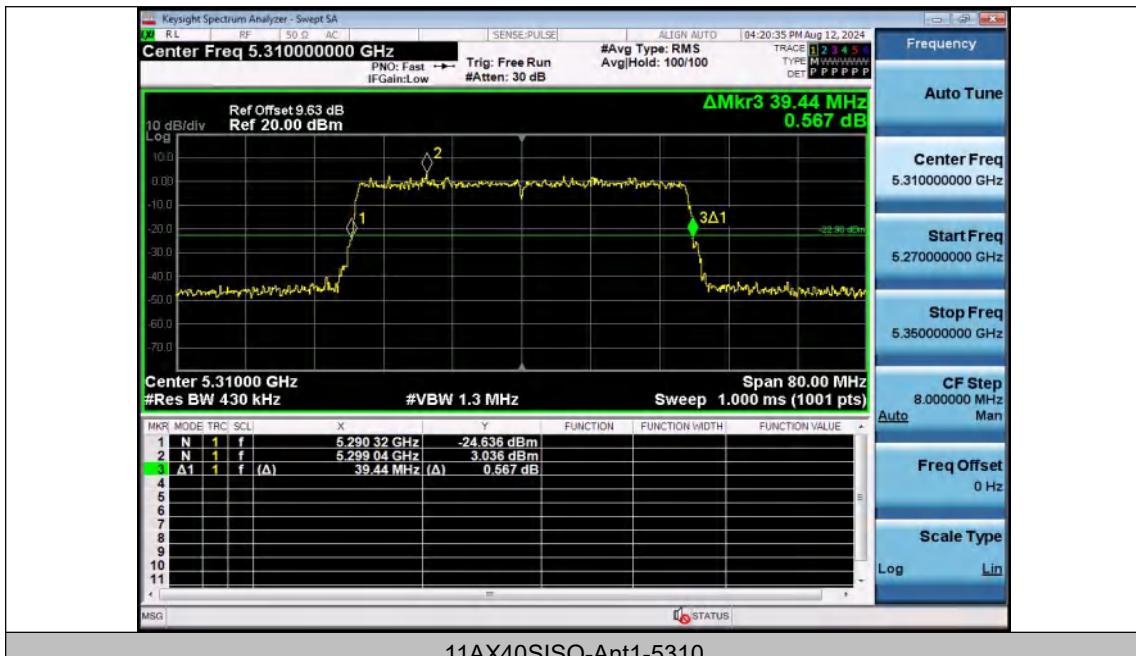


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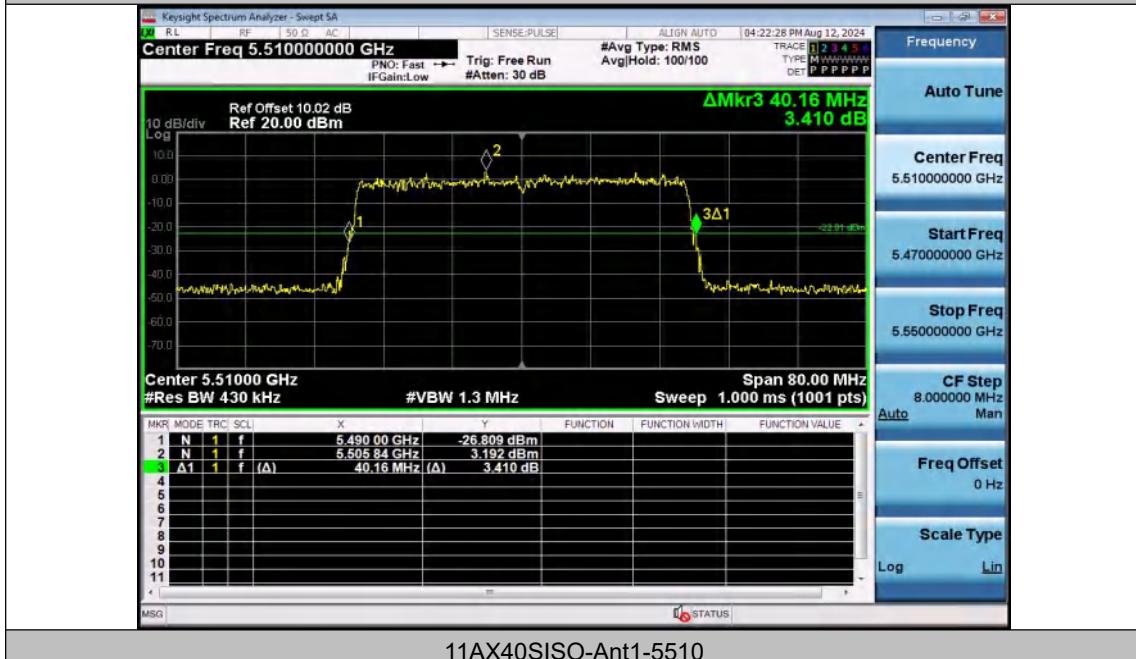




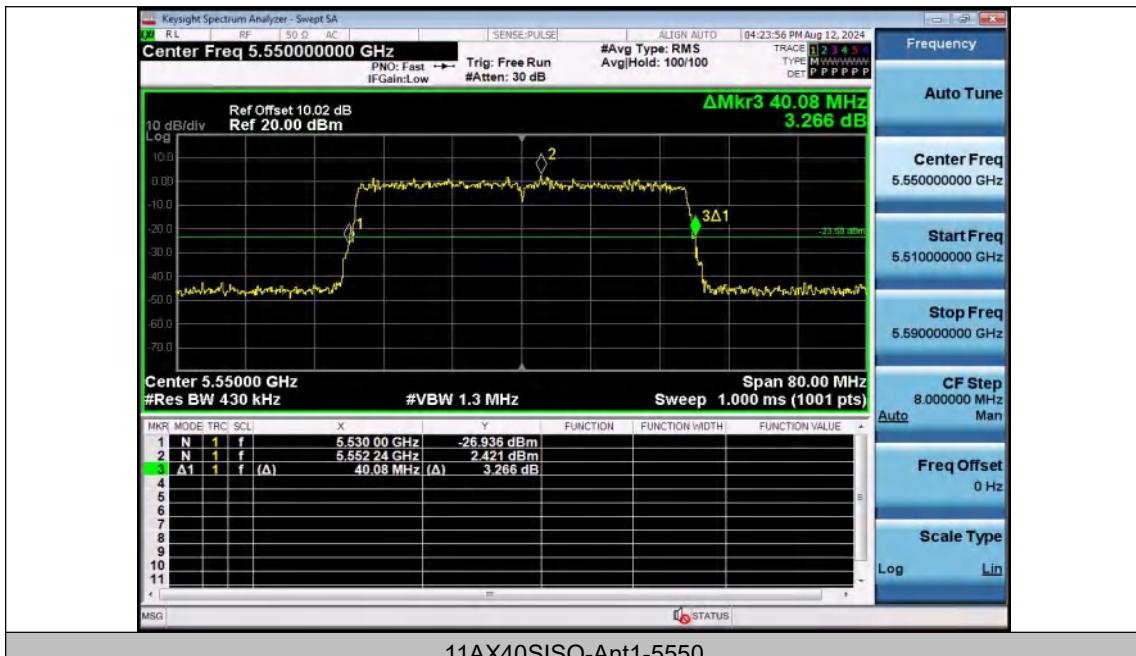




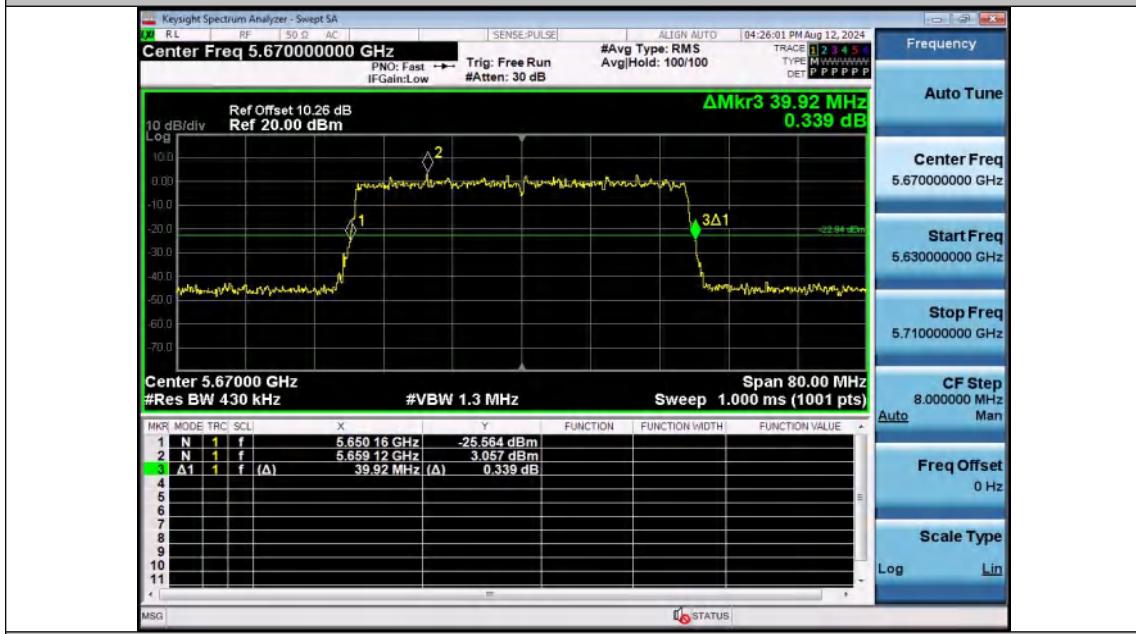
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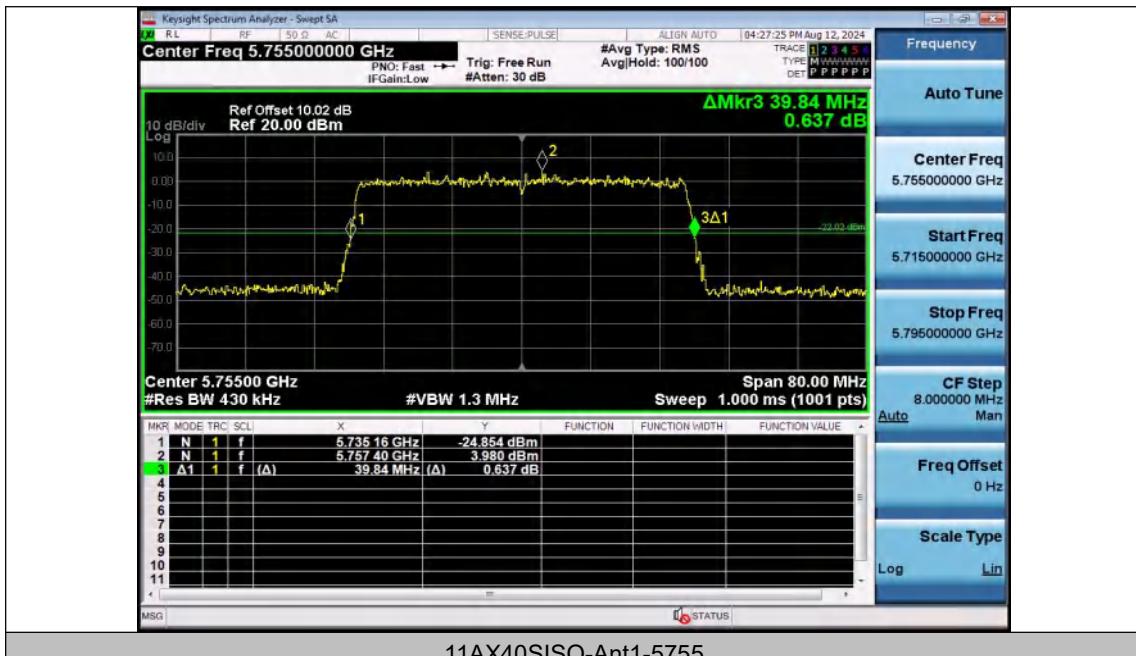
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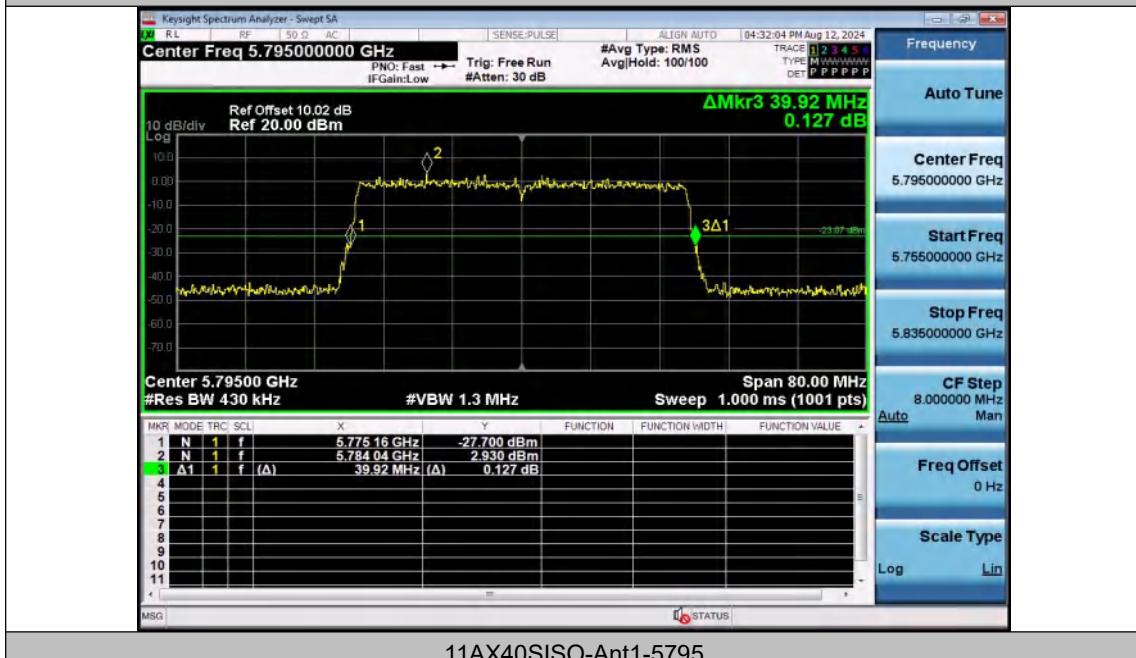
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11AX40SISO-Ant1-5670



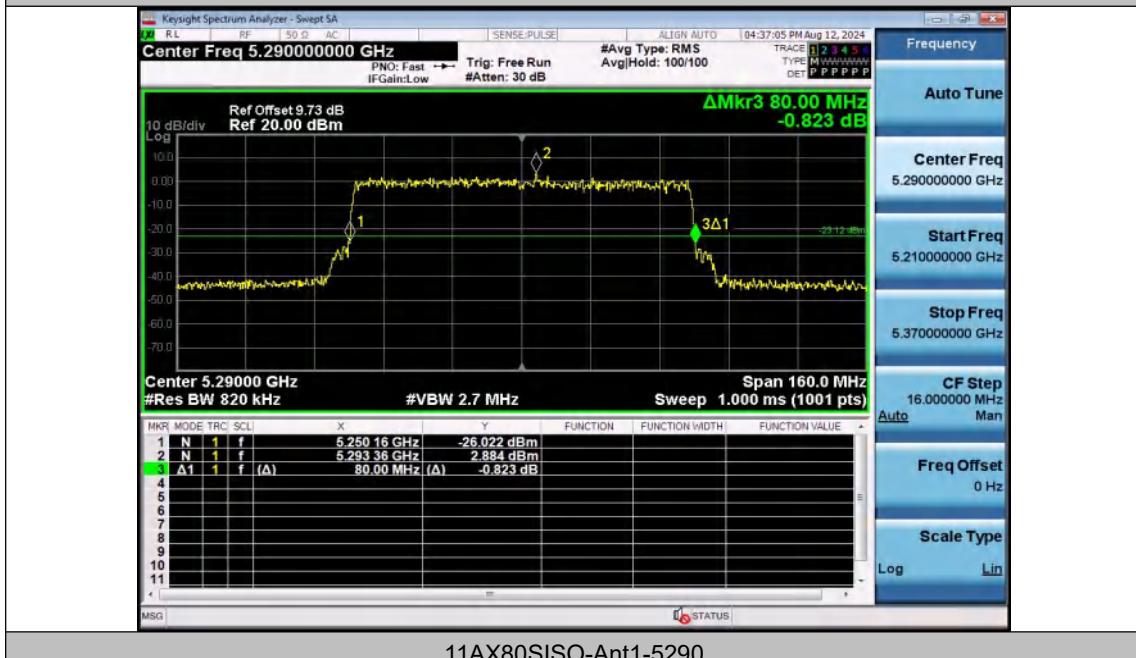
11AX40SISO-Ant1-5755



11AX40SISO-Ant1-5795



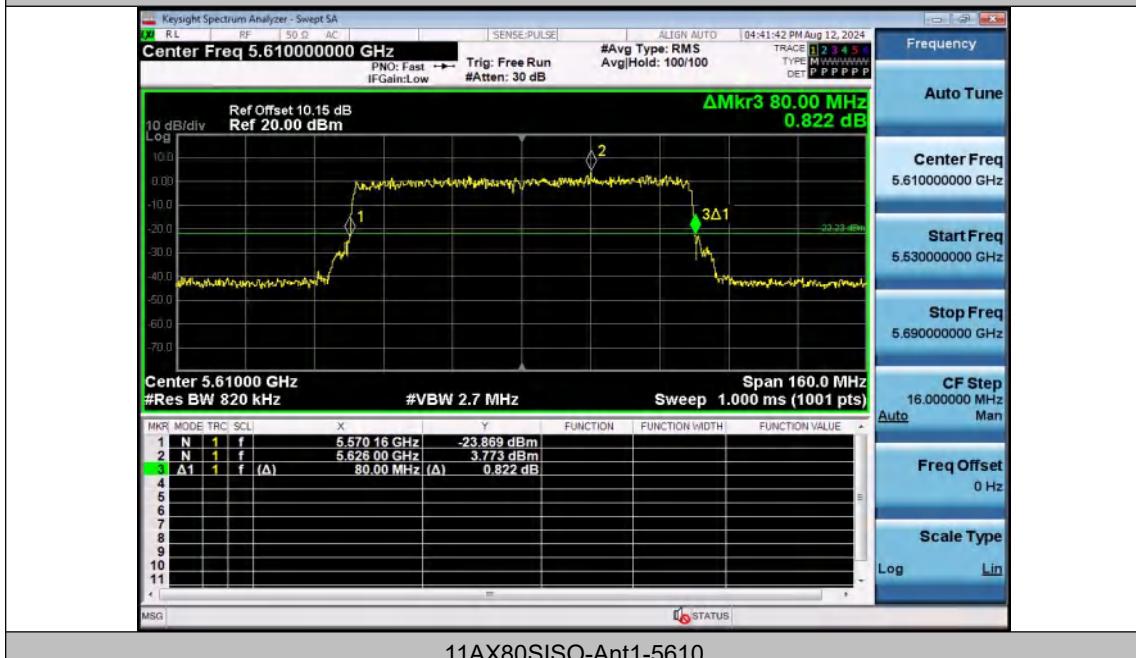
11AX80SISO-Ant1-5210



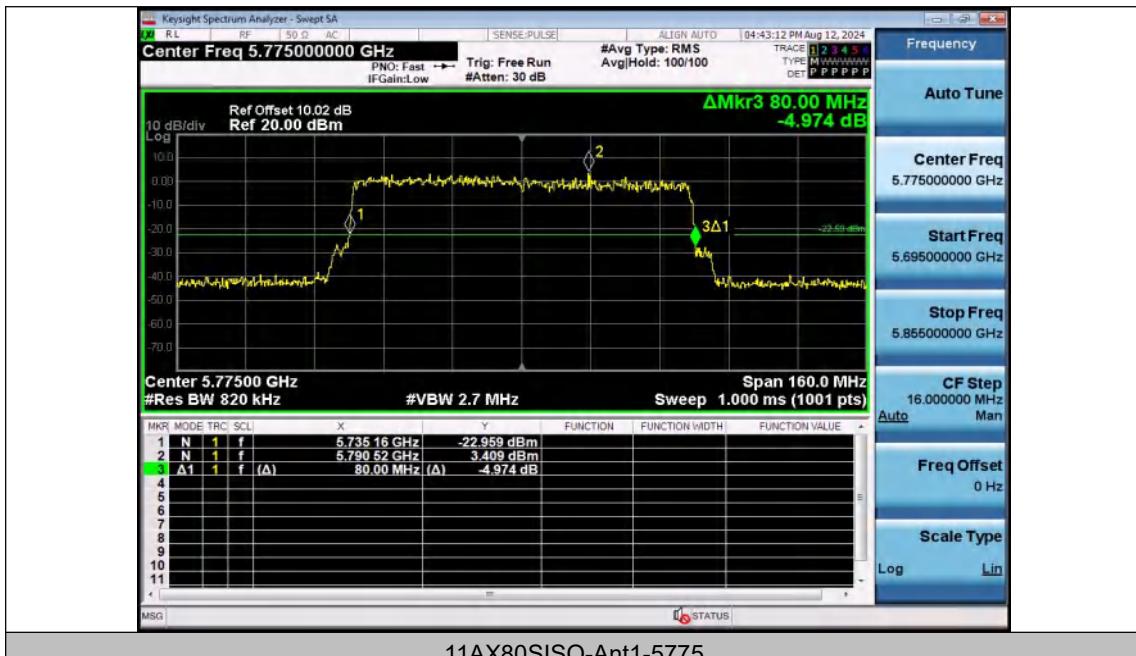
11AX80SISO-Ant1-5290



11AX80SISO-Ant1-5530



11AX80SISO-Ant1-5610



11AX80SISO-Ant1-5775



11AX160SISO-Ant1-5250



Ant 2

| Test Mode | Antenna | Frequency[MHz] | 26db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|------------|---------|----------------|----------------------|----------|----------|------------|---------|
| 11A | Ant2 | 5180 | 18.400 | 5170.800 | 5189.200 | --- | --- |
| 11A | Ant2 | 5200 | 18.480 | 5190.720 | 5209.200 | --- | --- |
| 11A | Ant2 | 5240 | 18.520 | 5230.800 | 5249.320 | --- | --- |
| 11A | Ant2 | 5260 | 18.480 | 5250.840 | 5269.320 | --- | --- |
| 11A | Ant2 | 5280 | 18.400 | 5270.840 | 5289.240 | --- | --- |
| 11A | Ant2 | 5320 | 18.560 | 5310.840 | 5329.400 | --- | --- |
| 11A | Ant2 | 5500 | 18.320 | 5490.760 | 5509.080 | --- | --- |
| 11A | Ant2 | 5580 | 18.560 | 5570.720 | 5589.280 | --- | --- |
| 11A | Ant2 | 5700 | 18.480 | 5690.720 | 5709.200 | --- | --- |
| 11A | Ant2 | 5745 | 18.560 | 5735.760 | 5754.320 | --- | --- |
| 11A | Ant2 | 5785 | 18.560 | 5775.680 | 5794.240 | --- | --- |
| 11A | Ant2 | 5825 | 18.320 | 5815.800 | 5834.120 | --- | --- |
| 11N20SISO | Ant2 | 5180 | 19.520 | 5170.240 | 5189.760 | --- | --- |
| 11N20SISO | Ant2 | 5200 | 19.360 | 5190.400 | 5209.760 | --- | --- |
| 11N20SISO | Ant2 | 5240 | 19.320 | 5230.280 | 5249.600 | --- | --- |
| 11N20SISO | Ant2 | 5260 | 19.440 | 5250.240 | 5269.680 | --- | --- |
| 11N20SISO | Ant2 | 5280 | 19.400 | 5270.280 | 5289.680 | --- | --- |
| 11N20SISO | Ant2 | 5320 | 19.440 | 5310.280 | 5329.720 | --- | --- |
| 11N20SISO | Ant2 | 5500 | 19.320 | 5490.360 | 5509.680 | --- | --- |
| 11N20SISO | Ant2 | 5580 | 19.440 | 5570.320 | 5589.760 | --- | --- |
| 11N20SISO | Ant2 | 5700 | 19.280 | 5690.400 | 5709.680 | --- | --- |
| 11N20SISO | Ant2 | 5745 | 19.440 | 5735.280 | 5754.720 | --- | --- |
| 11N20SISO | Ant2 | 5785 | 19.400 | 5775.320 | 5794.720 | --- | --- |
| 11N20SISO | Ant2 | 5825 | 19.360 | 5815.280 | 5834.640 | --- | --- |
| 11N40SISO | Ant2 | 5190 | 38.960 | 5170.640 | 5209.600 | --- | --- |
| 11N40SISO | Ant2 | 5230 | 39.040 | 5210.320 | 5249.360 | --- | --- |
| 11N40SISO | Ant2 | 5270 | 38.960 | 5250.560 | 5289.520 | --- | --- |
| 11N40SISO | Ant2 | 5310 | 38.720 | 5290.720 | 5329.440 | --- | --- |
| 11N40SISO | Ant2 | 5510 | 39.040 | 5490.560 | 5529.600 | --- | --- |
| 11N40SISO | Ant2 | 5550 | 38.640 | 5530.640 | 5569.280 | --- | --- |
| 11N40SISO | Ant2 | 5670 | 38.480 | 5650.800 | 5689.280 | --- | --- |
| 11N40SISO | Ant2 | 5755 | 38.960 | 5735.640 | 5774.600 | --- | --- |
| 11N40SISO | Ant2 | 5795 | 39.120 | 5775.480 | 5814.600 | --- | --- |
| 11AC20SISO | Ant2 | 5180 | 19.280 | 5170.400 | 5189.680 | --- | --- |
| 11AC20SISO | Ant2 | 5200 | 19.400 | 5190.280 | 5209.680 | --- | --- |
| 11AC20SISO | Ant2 | 5240 | 19.240 | 5230.400 | 5249.640 | --- | --- |
| 11AC20SISO | Ant2 | 5260 | 19.280 | 5250.400 | 5269.680 | --- | --- |

| | | | | | | | |
|-------------|------|--------------|---------|----------|----------|-----|-----|
| 11AC20SISO | Ant2 | 5280 | 19.480 | 5270.320 | 5289.800 | --- | --- |
| 11AC20SISO | Ant2 | 5320 | 19.360 | 5310.360 | 5329.720 | --- | --- |
| 11AC20SISO | Ant2 | 5500 | 19.560 | 5490.160 | 5509.720 | --- | --- |
| 11AC20SISO | Ant2 | 5580 | 19.440 | 5570.320 | 5589.760 | --- | --- |
| 11AC20SISO | Ant2 | 5700 | 19.440 | 5690.360 | 5709.800 | --- | --- |
| 11AC20SISO | Ant2 | 5745 | 19.320 | 5735.400 | 5754.720 | --- | --- |
| 11AC20SISO | Ant2 | 5785 | 19.400 | 5775.240 | 5794.640 | --- | --- |
| 11AC20SISO | Ant2 | 5825 | 19.360 | 5815.360 | 5834.720 | --- | --- |
| 11AC40SISO | Ant2 | 5190 | 38.800 | 5170.640 | 5209.440 | --- | --- |
| 11AC40SISO | Ant2 | 5230 | 38.320 | 5210.800 | 5249.120 | --- | --- |
| 11AC40SISO | Ant2 | 5270 | 38.800 | 5250.640 | 5289.440 | --- | --- |
| 11AC40SISO | Ant2 | 5310 | 38.720 | 5290.720 | 5329.440 | --- | --- |
| 11AC40SISO | Ant2 | 5510 | 38.480 | 5490.880 | 5529.360 | --- | --- |
| 11AC40SISO | Ant2 | 5550 | 38.640 | 5530.800 | 5569.440 | --- | --- |
| 11AC40SISO | Ant2 | 5670 | 38.800 | 5650.560 | 5689.360 | --- | --- |
| 11AC40SISO | Ant2 | 5755 | 38.800 | 5735.720 | 5774.520 | --- | --- |
| 11AC40SISO | Ant2 | 5795 | 38.880 | 5775.640 | 5814.520 | --- | --- |
| 11AC80SISO | Ant2 | 5210 | 83.840 | 5168.560 | 5252.400 | --- | --- |
| 11AC80SISO | Ant2 | 5290 | 84.480 | 5248.080 | 5332.560 | --- | --- |
| 11AC80SISO | Ant2 | 5530 | 83.680 | 5487.920 | 5571.600 | --- | --- |
| 11AC80SISO | Ant2 | 5610 | 83.680 | 5568.080 | 5651.760 | --- | --- |
| 11AC80SISO | Ant2 | 5775 | 83.360 | 5733.880 | 5817.240 | --- | --- |
| 11AC160SISO | Ant2 | 5250 | 165.440 | 5167.440 | 5332.880 | --- | --- |
| 11AC160SISO | Ant2 | 5250_UNII-1 | 82.56 | 5167.440 | 5250 | --- | --- |
| 11AC160SISO | Ant2 | 5250_UNII-2A | 82.88 | 5250 | 5332.880 | --- | --- |
| 11AC160SISO | Ant2 | 5570 | 167.040 | 5486.160 | 5653.200 | --- | --- |
| 11AX20SISO | Ant2 | 5180 | 20.160 | 5169.880 | 5190.040 | --- | --- |
| 11AX20SISO | Ant2 | 5200 | 20.400 | 5189.800 | 5210.200 | --- | --- |
| 11AX20SISO | Ant2 | 5240 | 20.000 | 5229.960 | 5249.960 | --- | --- |
| 11AX20SISO | Ant2 | 5260 | 20.280 | 5249.920 | 5270.200 | --- | --- |
| 11AX20SISO | Ant2 | 5280 | 20.120 | 5269.880 | 5290.000 | --- | --- |
| 11AX20SISO | Ant2 | 5320 | 20.080 | 5310.000 | 5330.080 | --- | --- |
| 11AX20SISO | Ant2 | 5500 | 20.240 | 5489.840 | 5510.080 | --- | --- |
| 11AX20SISO | Ant2 | 5580 | 20.080 | 5569.920 | 5590.000 | --- | --- |
| 11AX20SISO | Ant2 | 5700 | 20.120 | 5689.960 | 5710.080 | --- | --- |
| 11AX20SISO | Ant2 | 5745 | 20.320 | 5734.880 | 5755.200 | --- | --- |
| 11AX20SISO | Ant2 | 5785 | 20.080 | 5774.920 | 5795.000 | --- | --- |
| 11AX20SISO | Ant2 | 5825 | 20.320 | 5814.880 | 5835.200 | --- | --- |
| 11AX40SISO | Ant2 | 5190 | 39.760 | 5170.400 | 5210.160 | --- | --- |
| 11AX40SISO | Ant2 | 5230 | 39.760 | 5210.240 | 5250.000 | --- | --- |
| 11AX40SISO | Ant2 | 5270 | 39.600 | 5250.400 | 5290.000 | --- | --- |
| 11AX40SISO | Ant2 | 5310 | 39.600 | 5290.240 | 5329.840 | --- | --- |
| 11AX40SISO | Ant2 | 5510 | 40.000 | 5490.080 | 5530.080 | --- | --- |