

# Appendix A1: Emission Bandwidth

## Test Result

### Ant 1

| TestMode   | Antenna | Frequency[MHz] | 26db<br>EBW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|----------------|----------------------|----------|----------|------------|---------|
| 11A        | Ant1    | 5180           | 25.360               | 5167.920 | 5193.280 | ---        | ---     |
| 11A        | Ant1    | 5200           | 26.200               | 5186.920 | 5213.120 | ---        | ---     |
| 11A        | Ant1    | 5240           | 19.840               | 5230.080 | 5249.920 | ---        | ---     |
| 11A        | Ant1    | 5260           | 21.080               | 5249.520 | 5270.600 | ---        | ---     |
| 11A        | Ant1    | 5280           | 20.040               | 5269.920 | 5289.960 | ---        | ---     |
| 11A        | Ant1    | 5320           | 25.440               | 5306.360 | 5331.800 | ---        | ---     |
| 11A        | Ant1    | 5500           | 23.160               | 5496.840 | 5520.000 | ---        | ---     |
| 11A        | Ant1    | 5580           | 20.640               | 5569.800 | 5590.440 | ---        | ---     |
| 11A        | Ant1    | 5700           | 23.600               | 5687.240 | 5710.840 | ---        | ---     |
| 11A        | Ant1    | 5745           | 23.360               | 5734.560 | 5757.920 | ---        | ---     |
| 11A        | Ant1    | 5785           | 20.520               | 5774.680 | 5795.200 | ---        | ---     |
| 11A        | Ant1    | 5825           | 23.520               | 5812.000 | 5835.520 | ---        | ---     |
| 11N20SISO  | Ant1    | 5180           | 29.280               | 5165.520 | 5194.800 | ---        | ---     |
| 11N20SISO  | Ant1    | 5200           | 26.520               | 5186.120 | 5212.640 | ---        | ---     |
| 11N20SISO  | Ant1    | 5240           | 20.400               | 5229.840 | 5250.240 | ---        | ---     |
| 11N20SISO  | Ant1    | 5260           | 20.800               | 5249.680 | 5270.480 | ---        | ---     |
| 11N20SISO  | Ant1    | 5280           | 21.520               | 5269.240 | 5290.760 | ---        | ---     |
| 11N20SISO  | Ant1    | 5320           | 28.280               | 5305.000 | 5333.280 | ---        | ---     |
| 11N20SISO  | Ant1    | 5500           | 25.880               | 5487.040 | 5512.920 | ---        | ---     |
| 11N20SISO  | Ant1    | 5580           | 21.320               | 5569.200 | 5590.520 | ---        | ---     |
| 11N20SISO  | Ant1    | 5700           | 23.800               | 5687.160 | 5710.960 | ---        | ---     |
| 11N20SISO  | Ant1    | 5745           | 25.840               | 5734.120 | 5759.960 | ---        | ---     |
| 11N20SISO  | Ant1    | 5785           | 21.560               | 5774.160 | 5795.720 | ---        | ---     |
| 11N20SISO  | Ant1    | 5825           | 26.840               | 5809.160 | 5836.000 | ---        | ---     |
| 11N40SISO  | Ant1    | 5190           | 47.120               | 5168.560 | 5215.680 | ---        | ---     |
| 11N40SISO  | Ant1    | 5230           | 39.760               | 5210.080 | 5249.840 | ---        | ---     |
| 11N40SISO  | Ant1    | 5270           | 40.800               | 5249.840 | 5290.640 | ---        | ---     |
| 11N40SISO  | Ant1    | 5310           | 50.160               | 5280.960 | 5331.120 | ---        | ---     |
| 11N40SISO  | Ant1    | 5510           | 44.640               | 5487.840 | 5532.480 | ---        | ---     |
| 11N40SISO  | Ant1    | 5550           | 40.320               | 5529.920 | 5570.240 | ---        | ---     |
| 11N40SISO  | Ant1    | 5670           | 60.480               | 5641.360 | 5701.840 | ---        | ---     |
| 11N40SISO  | Ant1    | 5755           | 46.000               | 5734.840 | 5780.840 | ---        | ---     |
| 11N40SISO  | Ant1    | 5795           | 40.960               | 5774.440 | 5815.400 | ---        | ---     |
| 11AC20SISO | Ant1    | 5180           | 25.480               | 5167.320 | 5192.800 | ---        | ---     |
| 11AC20SISO | Ant1    | 5200           | 24.560               | 5188.320 | 5212.880 | ---        | ---     |

|             |      |              |         |          |          |     |     |
|-------------|------|--------------|---------|----------|----------|-----|-----|
| 11AC20SISO  | Ant1 | 5240         | 20.400  | 5229.800 | 5250.200 | --- | --- |
| 11AC20SISO  | Ant1 | 5260         | 21.200  | 5249.320 | 5270.520 | --- | --- |
| 11AC20SISO  | Ant1 | 5280         | 21.160  | 5269.480 | 5290.640 | --- | --- |
| 11AC20SISO  | Ant1 | 5320         | 26.840  | 5306.680 | 5333.520 | --- | --- |
| 11AC20SISO  | Ant1 | 5500         | 26.400  | 5487.560 | 5513.960 | --- | --- |
| 11AC20SISO  | Ant1 | 5580         | 21.600  | 5569.160 | 5590.760 | --- | --- |
| 11AC20SISO  | Ant1 | 5700         | 23.640  | 5687.560 | 5711.200 | --- | --- |
| 11AC20SISO  | Ant1 | 5745         | 23.240  | 5734.120 | 5757.360 | --- | --- |
| 11AC20SISO  | Ant1 | 5785         | 21.840  | 5774.200 | 5796.040 | --- | --- |
| 11AC20SISO  | Ant1 | 5825         | 23.840  | 5812.760 | 5836.600 | --- | --- |
| 11AC40SISO  | Ant1 | 5190         | 43.440  | 5168.720 | 5212.160 | --- | --- |
| 11AC40SISO  | Ant1 | 5230         | 40.000  | 5210.000 | 5250.000 | --- | --- |
| 11AC40SISO  | Ant1 | 5270         | 40.400  | 5249.680 | 5290.080 | --- | --- |
| 11AC40SISO  | Ant1 | 5310         | 56.320  | 5275.600 | 5331.920 | --- | --- |
| 11AC40SISO  | Ant1 | 5510         | 42.960  | 5489.440 | 5532.400 | --- | --- |
| 11AC40SISO  | Ant1 | 5550         | 40.640  | 5529.680 | 5570.320 | --- | --- |
| 11AC40SISO  | Ant1 | 5670         | 52.640  | 5642.480 | 5695.120 | --- | --- |
| 11AC40SISO  | Ant1 | 5755         | 48.400  | 5734.680 | 5783.080 | --- | --- |
| 11AC40SISO  | Ant1 | 5795         | 40.640  | 5774.360 | 5815.000 | --- | --- |
| 11AC80SISO  | Ant1 | 5210         | 80.480  | 5169.840 | 5250.320 | --- | --- |
| 11AC80SISO  | Ant1 | 5290         | 95.360  | 5234.960 | 5330.320 | --- | --- |
| 11AC80SISO  | Ant1 | 5530         | 85.280  | 5485.360 | 5570.640 | --- | --- |
| 11AC80SISO  | Ant1 | 5610         | 80.160  | 5570.000 | 5650.160 | --- | --- |
| 11AC80SISO  | Ant1 | 5775         | 80.000  | 5735.000 | 5815.000 | --- | --- |
| 11AC160SISO | Ant1 | 5250         | 161.920 | 5169.040 | 5330.960 | --- | --- |
| 11AC160SISO | Ant1 | 5250_UNII-1  | 80.96   | 5169.040 | 5250     | --- | --- |
| 11AC160SISO | Ant1 | 5250_UNII-2A | 80.96   | 5250     | 5330.960 | --- | --- |
| 11AC160SISO | Ant1 | 5570         | 161.920 | 5489.680 | 5651.600 | --- | --- |
| 11AX20SISO  | Ant1 | 5180         | 23.960  | 5168.400 | 5192.360 | --- | --- |
| 11AX20SISO  | Ant1 | 5200         | 26.480  | 5186.480 | 5212.960 | --- | --- |
| 11AX20SISO  | Ant1 | 5240         | 20.280  | 5229.840 | 5250.120 | --- | --- |
| 11AX20SISO  | Ant1 | 5260         | 21.240  | 5249.240 | 5270.480 | --- | --- |
| 11AX20SISO  | Ant1 | 5280         | 21.120  | 5269.320 | 5290.440 | --- | --- |
| 11AX20SISO  | Ant1 | 5320         | 27.120  | 5305.040 | 5332.160 | --- | --- |
| 11AX20SISO  | Ant1 | 5500         | 25.800  | 5487.080 | 5512.880 | --- | --- |
| 11AX20SISO  | Ant1 | 5580         | 21.560  | 5569.320 | 5590.880 | --- | --- |
| 11AX20SISO  | Ant1 | 5700         | 25.000  | 5685.880 | 5710.880 | --- | --- |
| 11AX20SISO  | Ant1 | 5745         | 22.800  | 5734.440 | 5757.240 | --- | --- |
| 11AX20SISO  | Ant1 | 5785         | 21.240  | 5774.240 | 5795.480 | --- | --- |
| 11AX20SISO  | Ant1 | 5825         | 23.280  | 5813.080 | 5836.360 | --- | --- |
| 11AX40SISO  | Ant1 | 5190         | 53.200  | 5166.080 | 5219.280 | --- | --- |
| 11AX40SISO  | Ant1 | 5230         | 39.840  | 5210.160 | 5250.000 | --- | --- |
| 11AX40SISO  | Ant1 | 5270         | 40.400  | 5249.840 | 5290.240 | --- | --- |

|             |      |              |         |          |          |     |     |
|-------------|------|--------------|---------|----------|----------|-----|-----|
| 11AX40SISO  | Ant1 | 5310         | 56.880  | 5276.800 | 5333.680 | --- | --- |
| 11AX40SISO  | Ant1 | 5510         | 51.920  | 5487.520 | 5539.440 | --- | --- |
| 11AX40SISO  | Ant1 | 5550         | 40.320  | 5530.160 | 5570.480 | --- | --- |
| 11AX40SISO  | Ant1 | 5670         | 64.080  | 5638.880 | 5702.960 | --- | --- |
| 11AX40SISO  | Ant1 | 5755         | 45.920  | 5734.520 | 5780.440 | --- | --- |
| 11AX40SISO  | Ant1 | 5795         | 41.040  | 5774.600 | 5815.640 | --- | --- |
| 11AX80SISO  | Ant1 | 5210         | 93.600  | 5165.680 | 5259.280 | --- | --- |
| 11AX80SISO  | Ant1 | 5290         | 99.680  | 5230.160 | 5329.840 | --- | --- |
| 11AX80SISO  | Ant1 | 5530         | 97.120  | 5489.040 | 5586.160 | --- | --- |
| 11AX80SISO  | Ant1 | 5610         | 79.520  | 5570.320 | 5649.840 | --- | --- |
| 11AX80SISO  | Ant1 | 5775         | 79.360  | 5735.320 | 5814.680 | --- | --- |
| 11AX160SISO | Ant1 | 5250         | 161.280 | 5169.360 | 5330.640 | --- | --- |
| 11AX160SISO | Ant1 | 5250_UNII-1  | 80.64   | 5169.360 | 5250     | --- | --- |
| 11AX160SISO | Ant1 | 5250_UNII-2A | 80.64   | 5250     | 5330.640 | --- | --- |
| 11AX160SISO | Ant1 | 5570         | 165.760 | 5490.000 | 5655.760 | --- | --- |

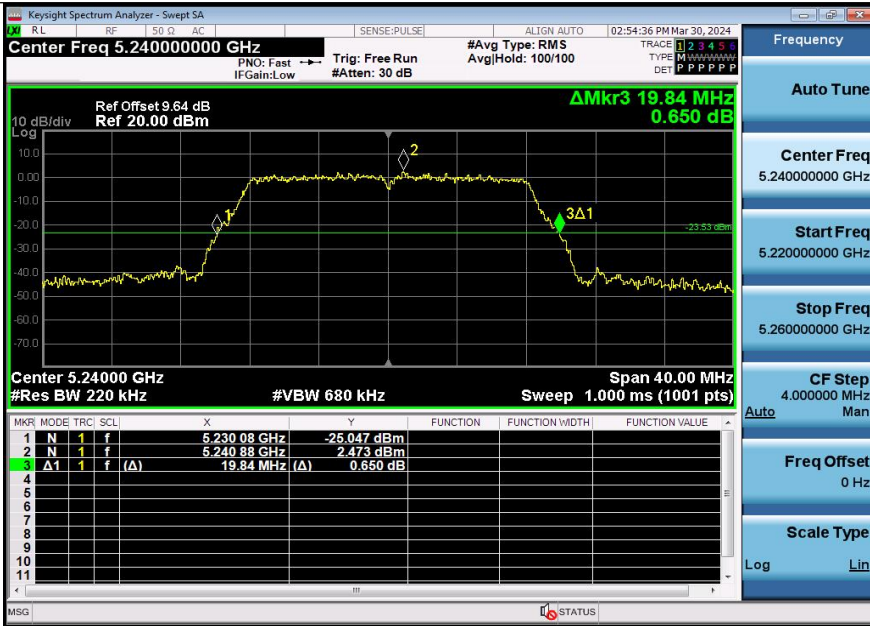
# Test Graphs



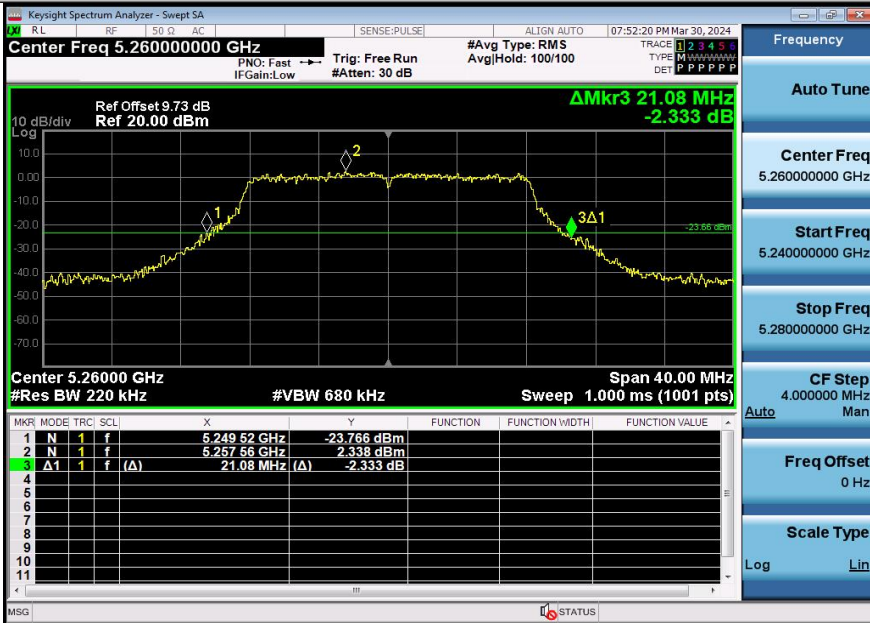
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11A-Ant1-5200



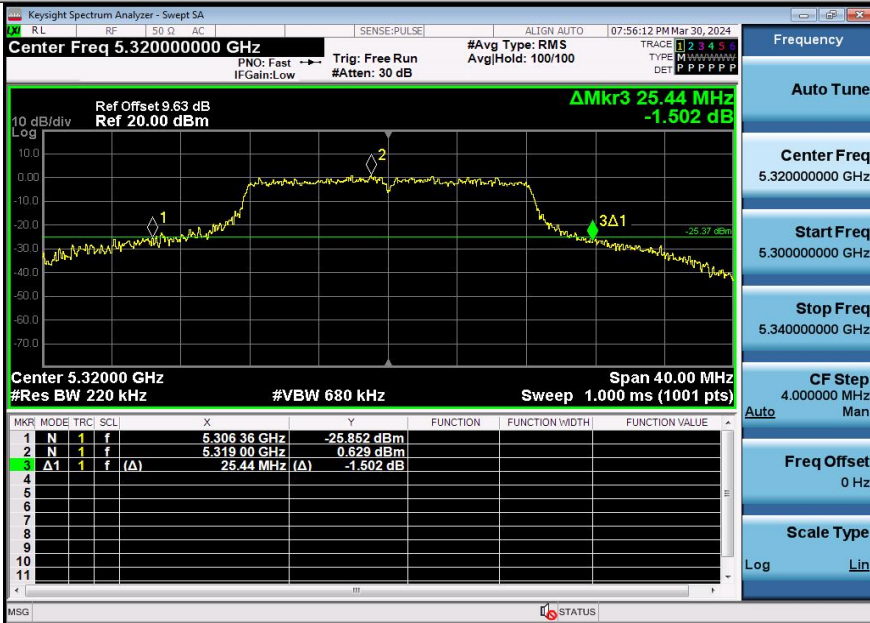
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11A-Ant1-5260



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11A-Ant1-5320



11A-Ant1-5500



11A-Ant1-5580



11A-Ant1-5700

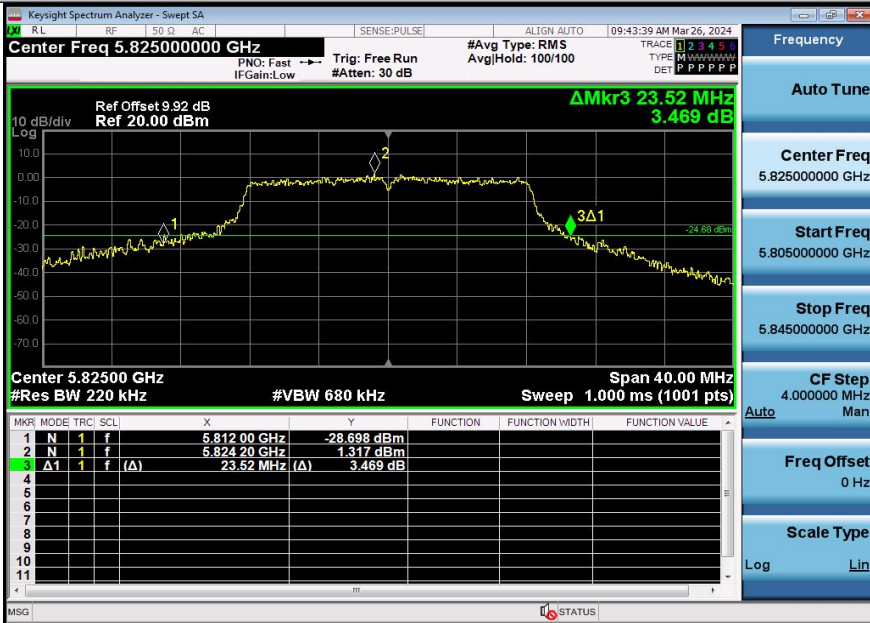


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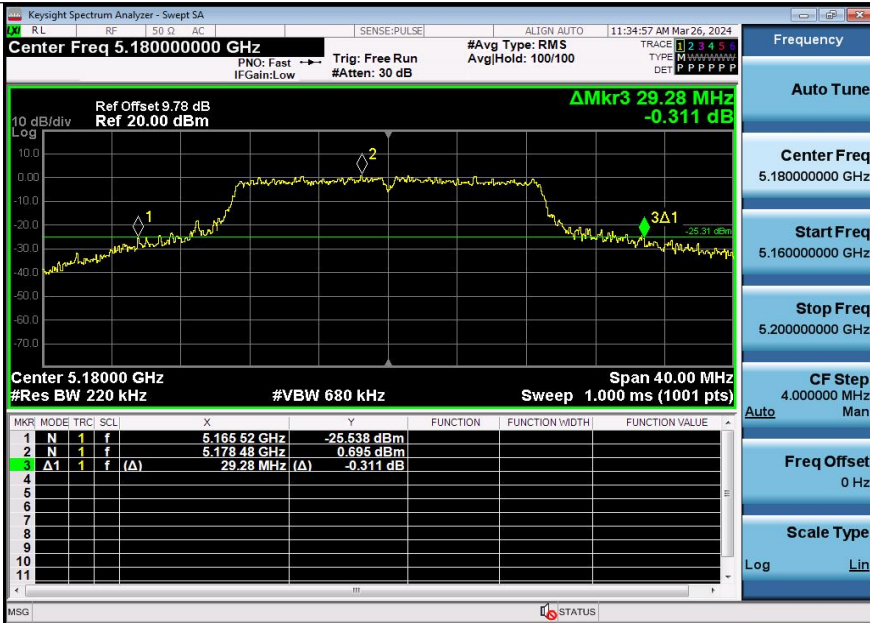




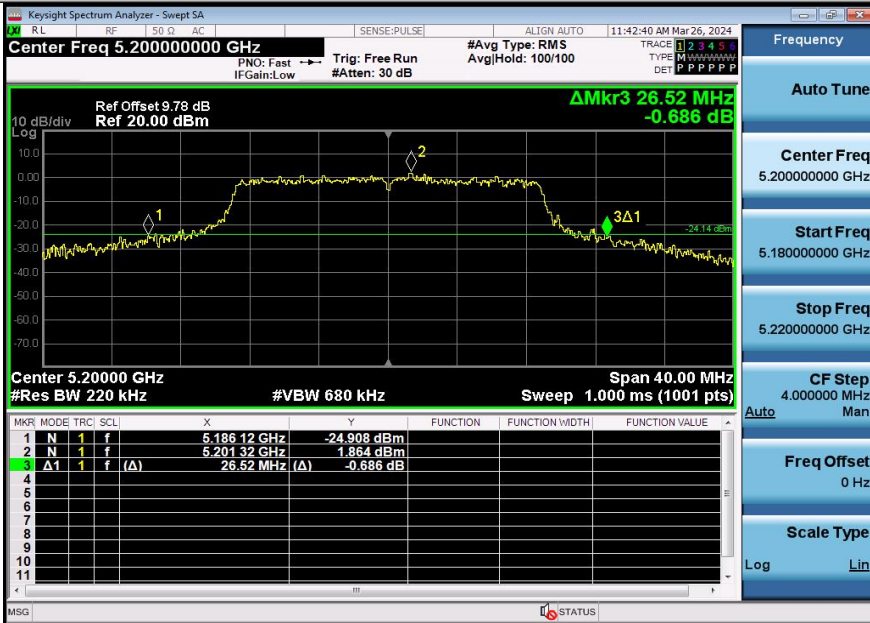
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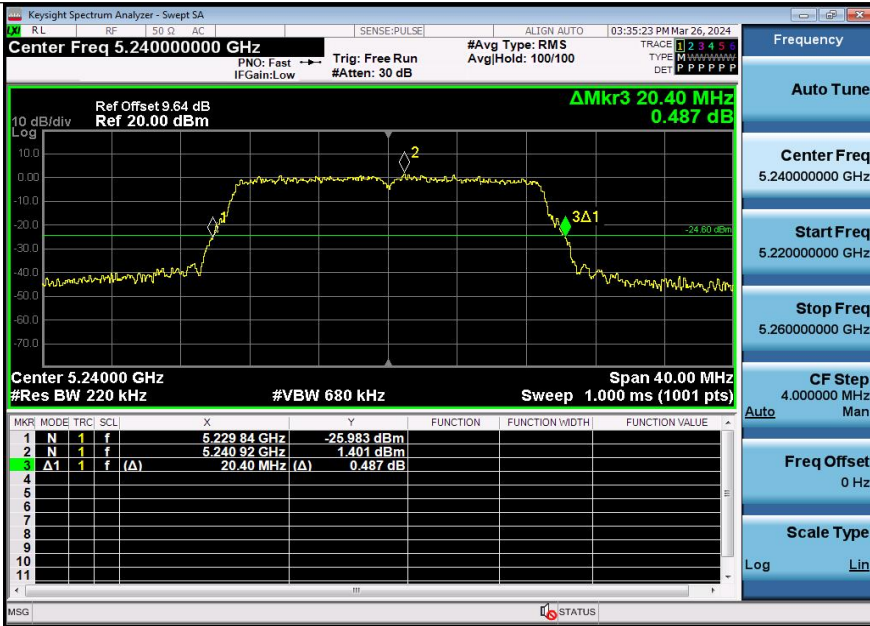
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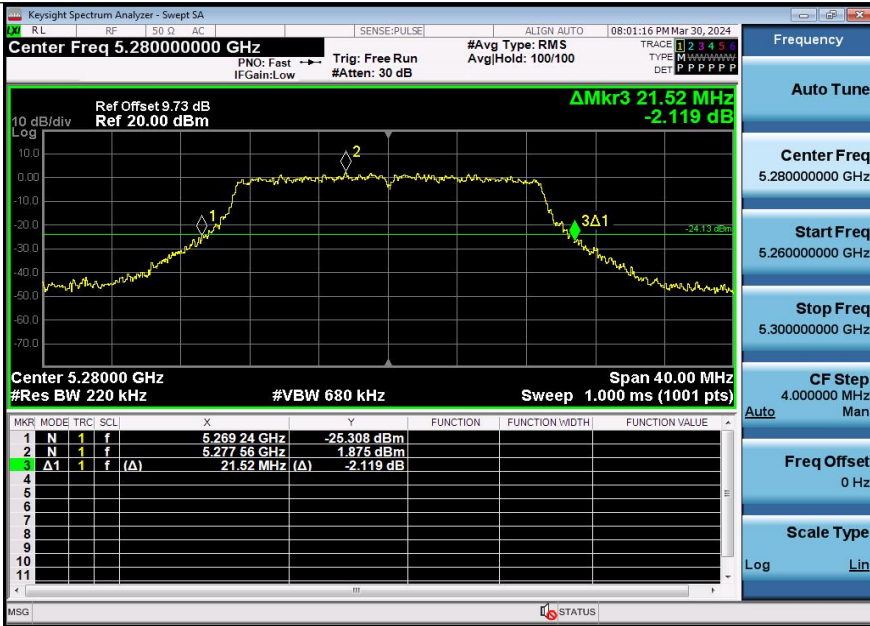
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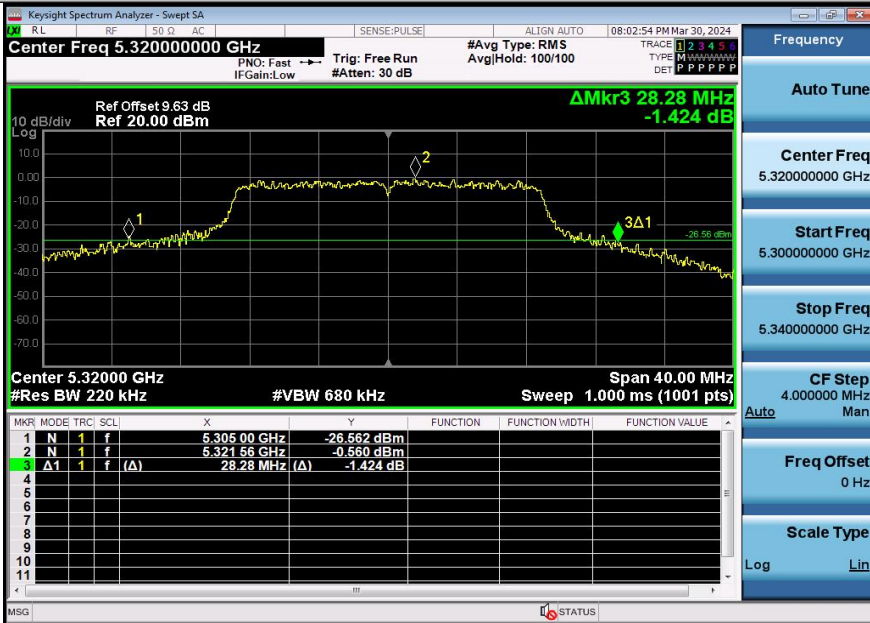
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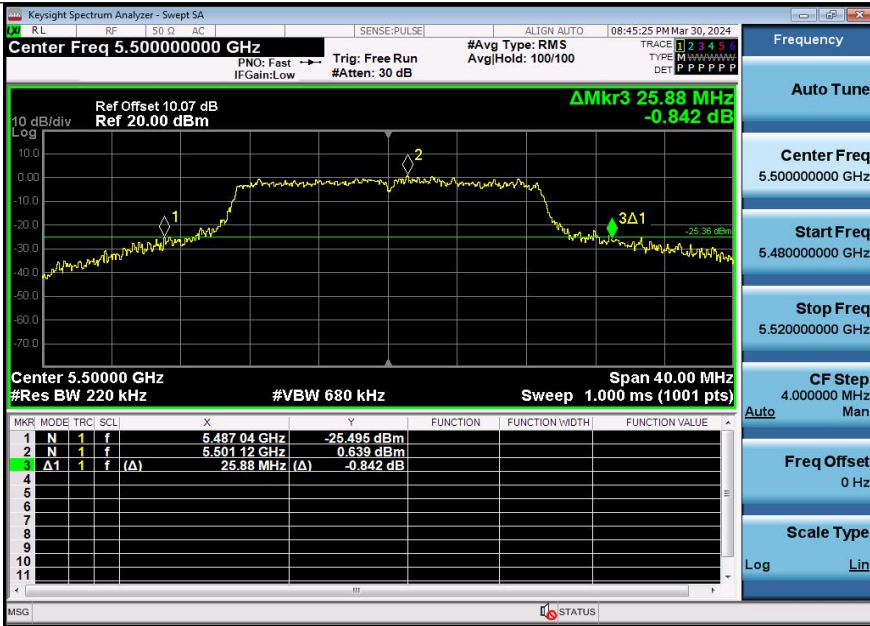
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11N20SISO-Ant1-5280



11N20SISO-Ant1-5320



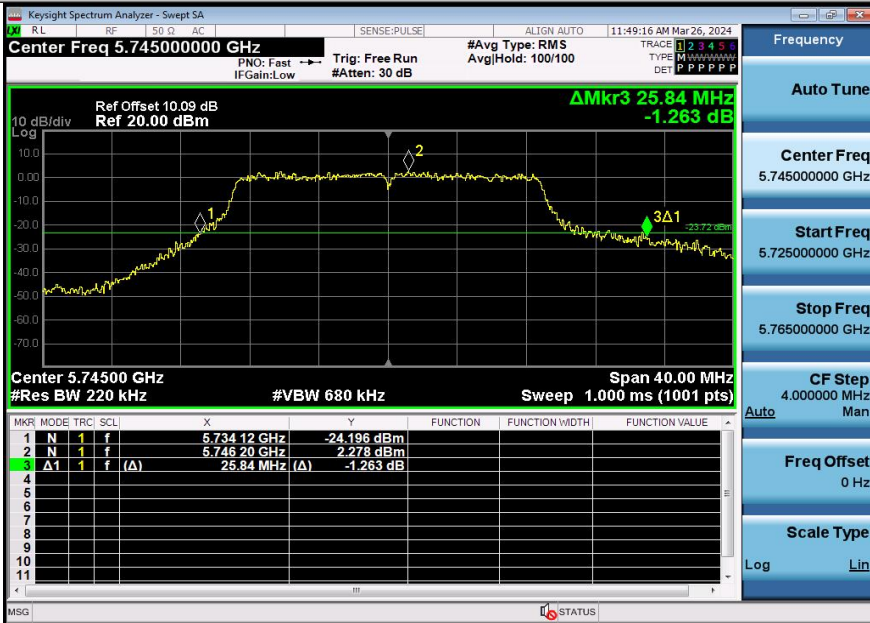
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11N20SISO-Ant1-5580



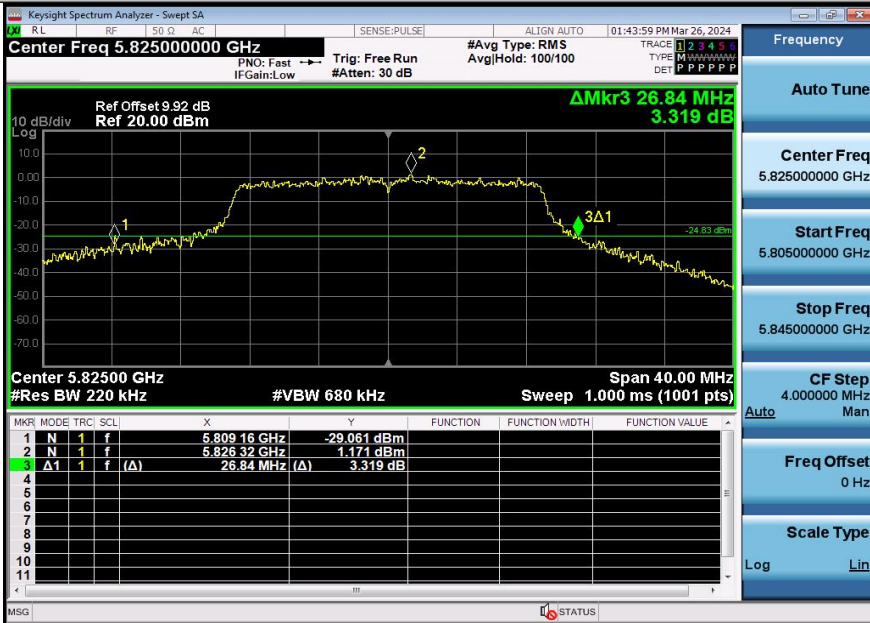
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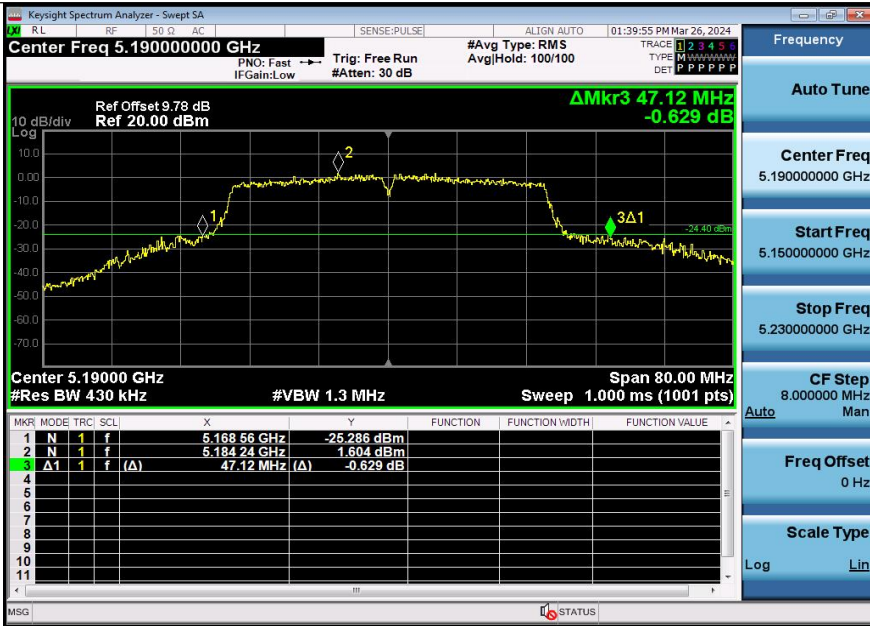
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11N20SISO-Ant1-5785



11N20SISO-Ant1-5825

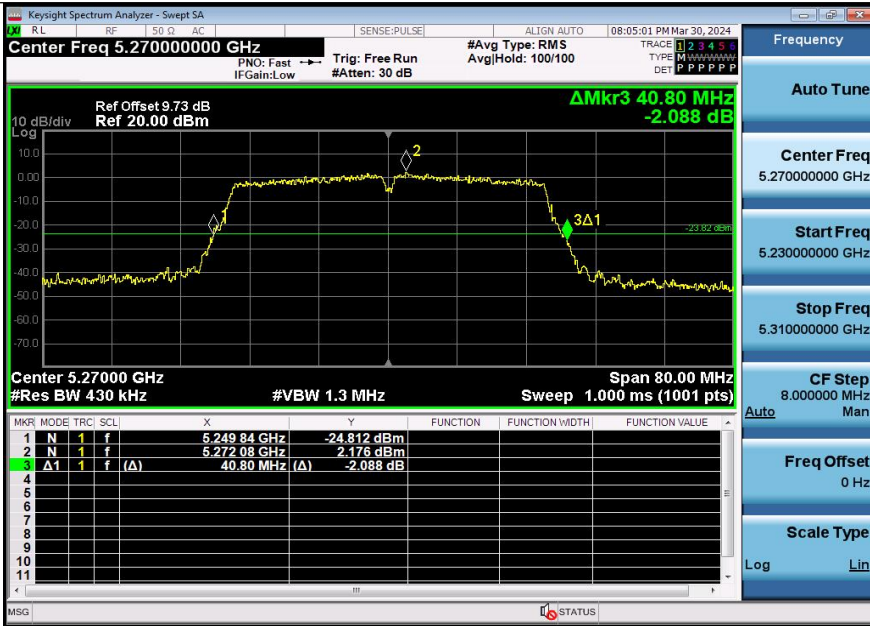


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11N40SISO-Ant1-5230





11N40SISO-Ant1-5270



11N40SISO-Ant1-5310