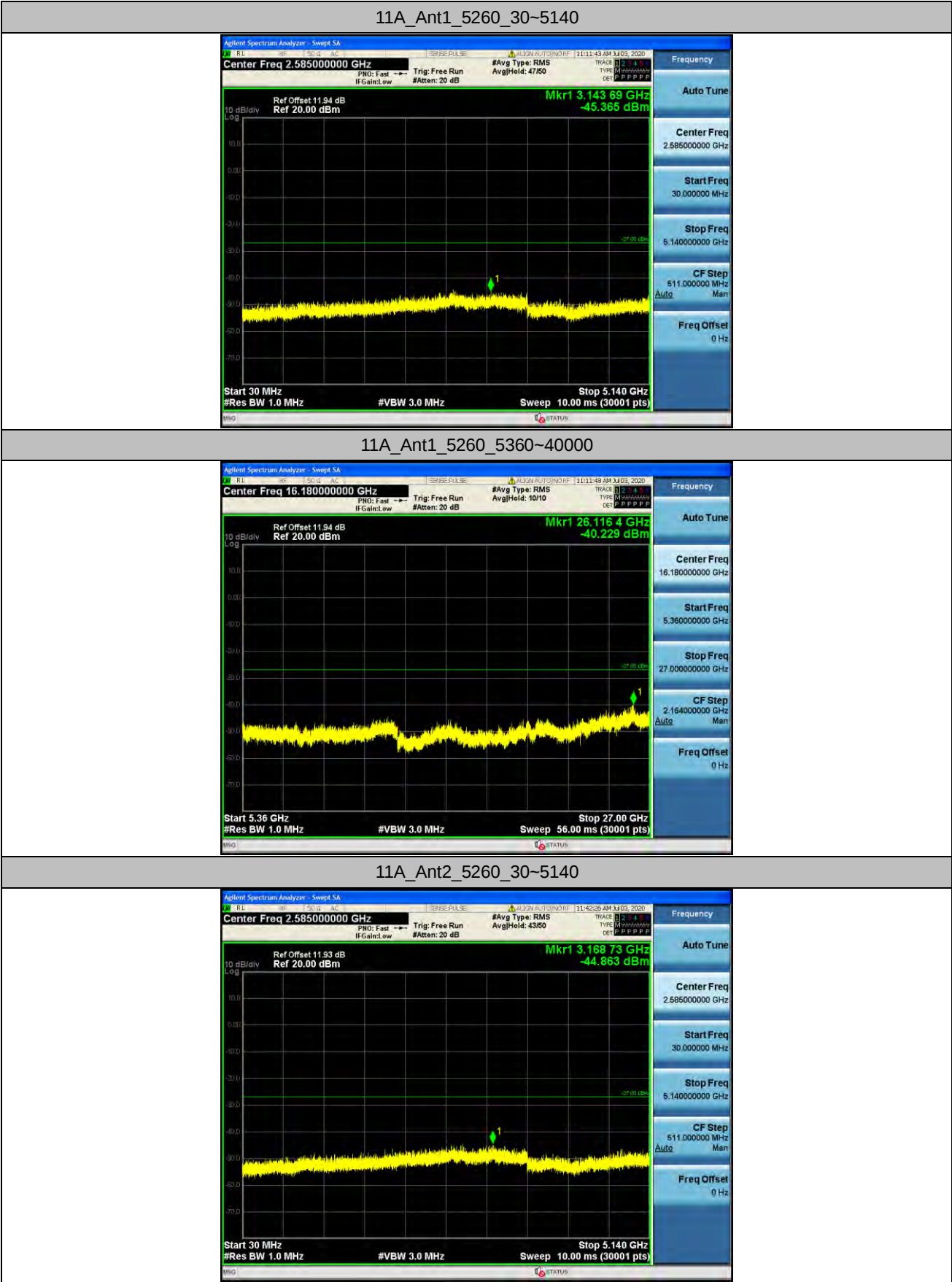


Test Graphs



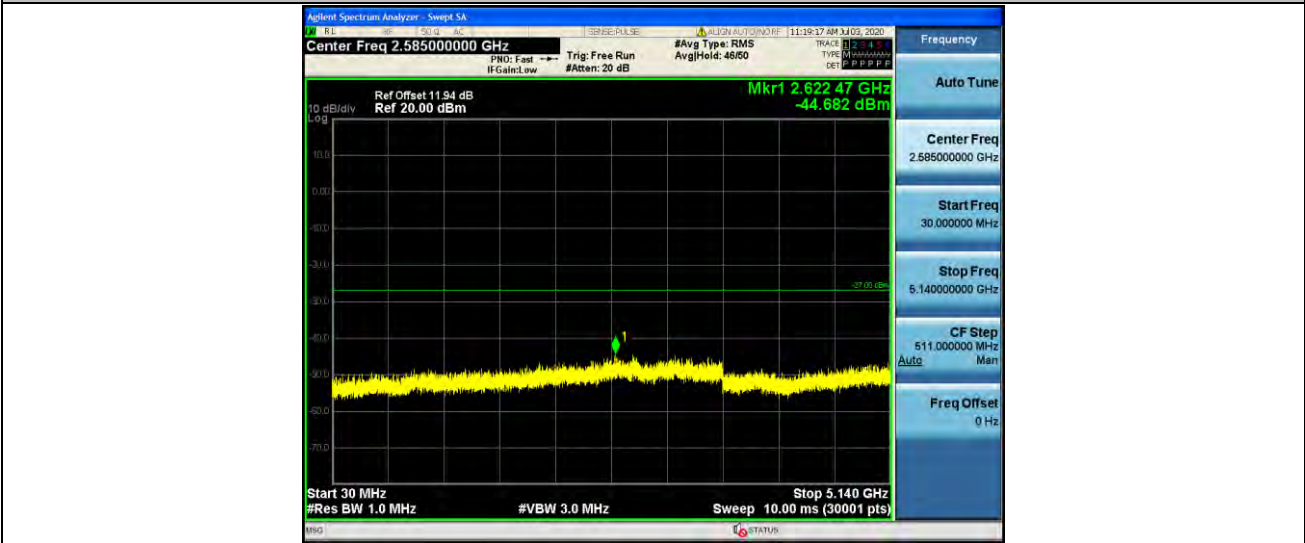




11A\_Ant2\_5280\_5360~40000



11A\_Ant1\_5320\_30~5140



11A\_Ant1\_5320\_5360~40000



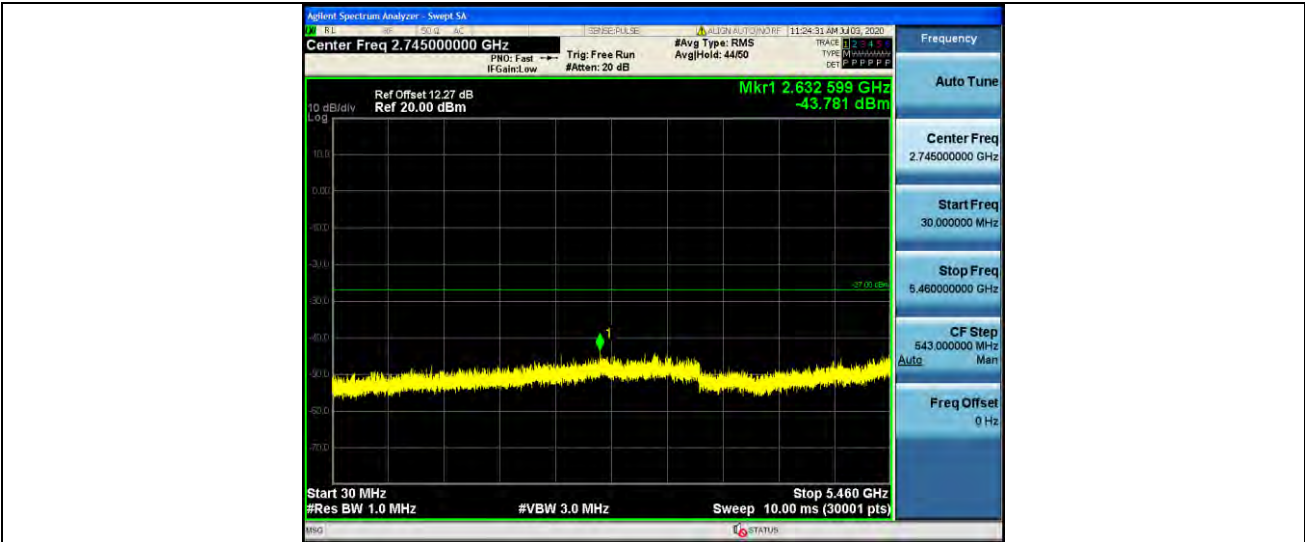
11A\_Ant2\_5320\_30~5140



11A\_Ant2\_5320\_5360~40000



11A\_Ant1\_5500\_30~5460



11A\_Ant1\_5500\_5735~40000



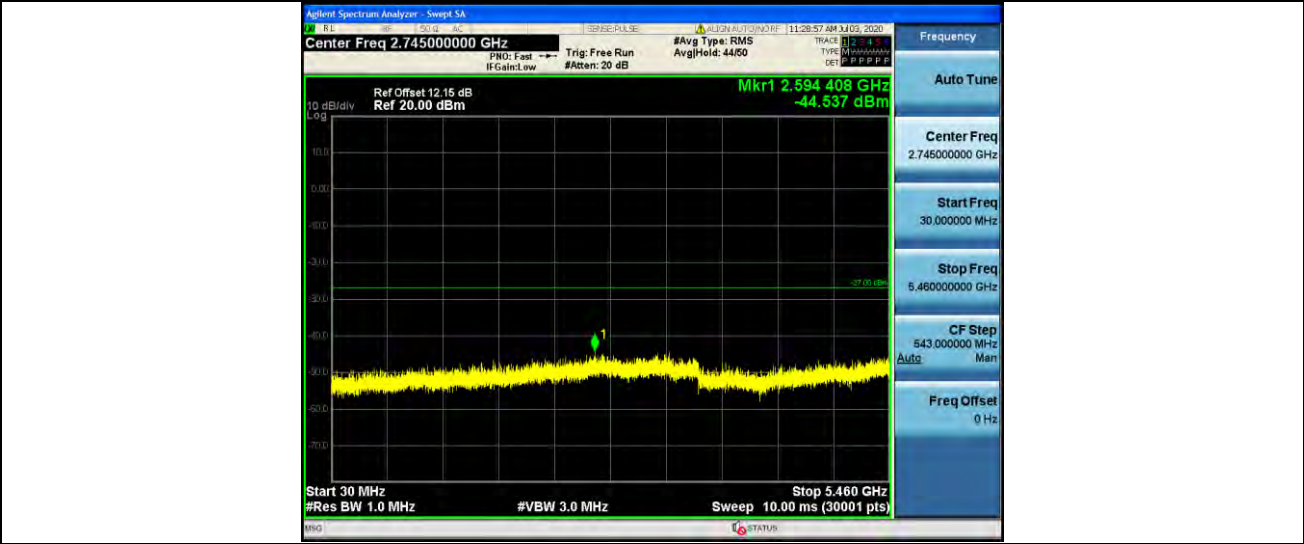
11A\_Ant2\_5500\_30~5460



11A\_Ant2\_5500\_5735~40000



11A\_Ant1\_5580\_30~5460



11A\_Ant1\_5580\_5735~40000



11A\_Ant2\_5580\_30~5460



11A\_Ant2\_5580\_5735~40000



11A\_Ant1\_5700\_30~5460



11A\_Ant1\_5700\_5735~40000



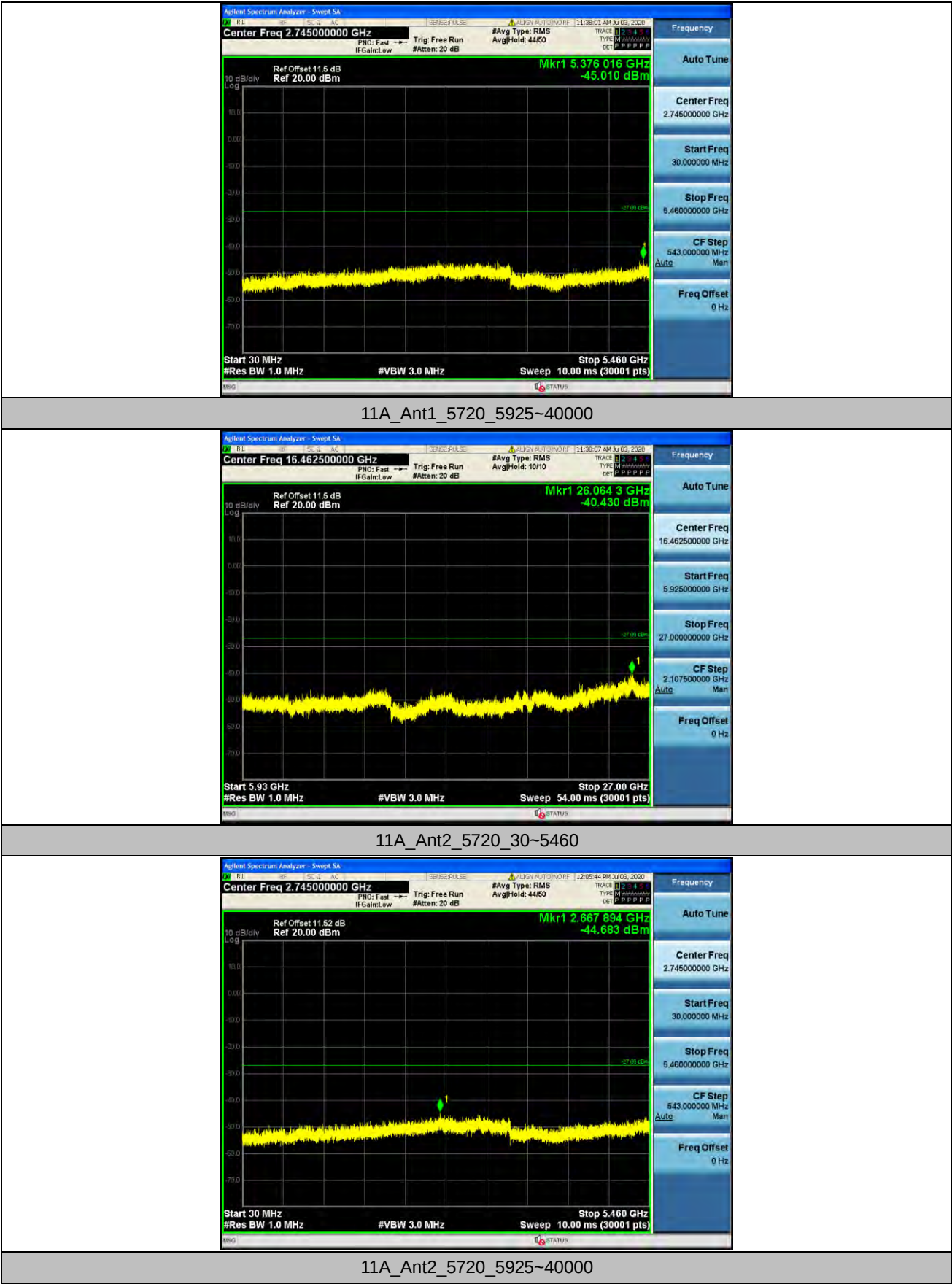
11A\_Ant2\_5700\_30~5460



11A\_Ant2\_5700\_5735~40000



11A\_Ant1\_5720\_30~5460





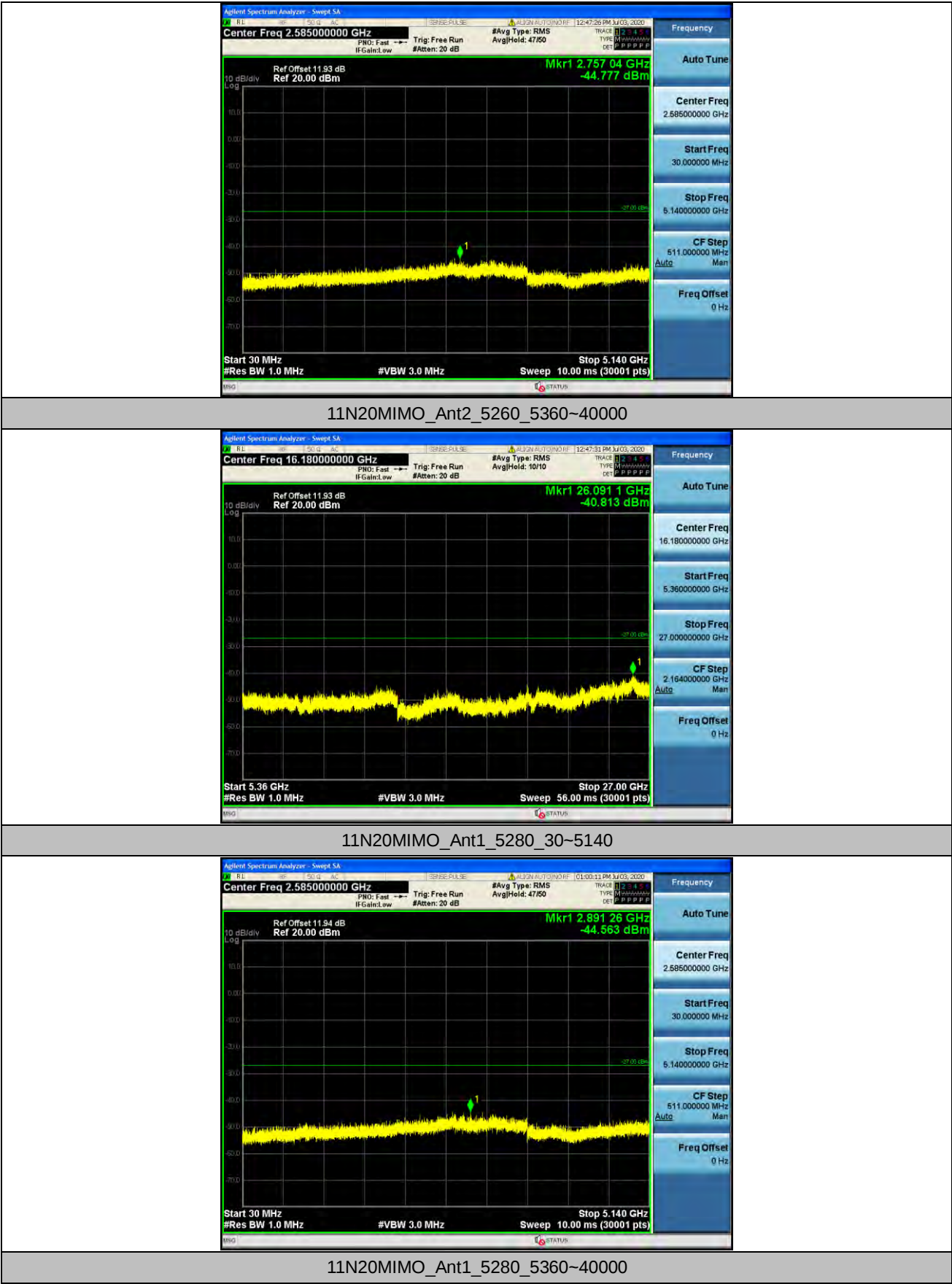
11N20MIMO\_Ant1\_5260\_30-5140



11N20MIMO\_Ant1\_5260\_5360-40000



11N20MIMO\_Ant2\_5260\_30-5140





11N20MIMO\_Ant2\_5280\_30-5140



11N20MIMO\_Ant2\_5280\_5360-40000



11N20MIMO\_Ant1\_5320\_30-5140



11N20MIMO\_Ant1\_5320\_5360~40000



11N20MIMO\_Ant2\_5320\_30~5140



11N20MIMO\_Ant2\_5320\_5360~40000



11N20MIMO\_Ant1\_5500\_30-5460



11N20MIMO\_Ant1\_5500\_5735-40000



11N20MIMO\_Ant2\_5500\_30-5460



11N20MIMO\_Ant2\_5500\_5735~40000



11N20MIMO\_Ant1\_5580\_30~5460



11N20MIMO\_Ant1\_5580\_5735~40000



11N20MIMO\_Ant2\_5580\_30-5460



11N20MIMO\_Ant2\_5580\_5735-40000



11N20MIMO\_Ant1\_5700\_30-5460



11N20MIMO\_Ant1\_5700\_5735~40000



11N20MIMO\_Ant2\_5700\_30~5460



11N20MIMO\_Ant2\_5700\_5735~40000



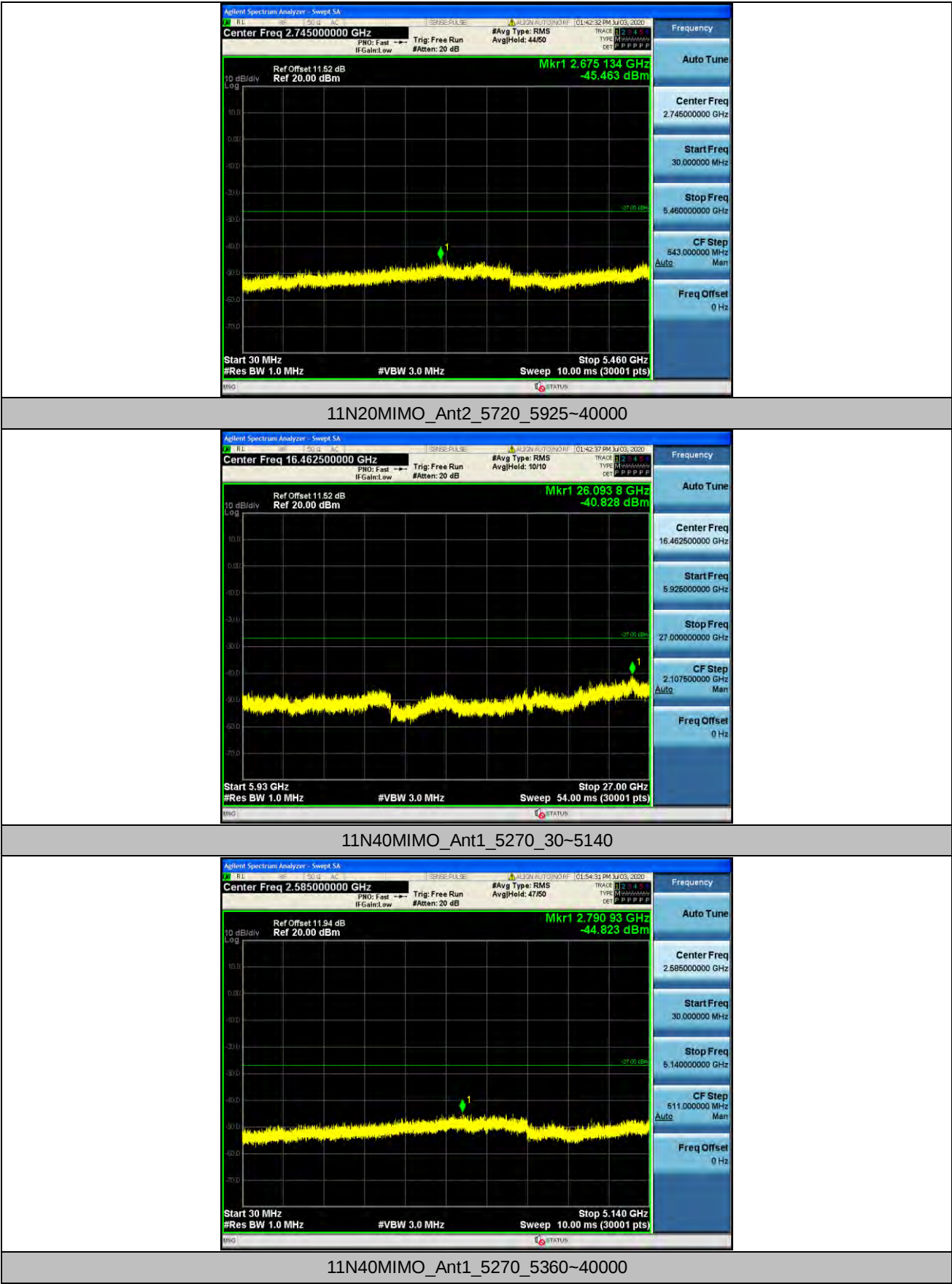
11N20MIMO\_Ant1\_5720\_30-5460



11N20MIMO\_Ant1\_5720\_5925-40000



11N20MIMO\_Ant2\_5720\_30-5460





11N40MIMO\_Ant2\_5270\_30-5140



11N40MIMO\_Ant2\_5270\_5360-40000



11N40MIMO\_Ant1\_5310\_30-5140



11N40MIMO\_Ant1\_5310\_5360~40000



11N40MIMO\_Ant2\_5310\_30~5140



11N40MIMO\_Ant2\_5310\_5360~40000



11N40MIMO\_Ant1\_5510\_30-5460



11N40MIMO\_Ant1\_5510\_5735-40000



11N40MIMO\_Ant2\_5510\_30-5460



11N40MIMO\_Ant2\_5510\_5735~40000



11N40MIMO\_Ant1\_5550\_30~5460



11N40MIMO\_Ant1\_5550\_5735~40000



11N40MIMO\_Ant2\_5550\_30-5460



11N40MIMO\_Ant2\_5550\_5735-40000



11N40MIMO\_Ant1\_5670\_30-5460



11N40MIMO\_Ant1\_5670\_5735~40000



11N40MIMO\_Ant2\_5670\_30~5460



11N40MIMO\_Ant2\_5670\_5735~40000



11N40MIMO\_Ant1\_5710\_30-5460



11N40MIMO\_Ant1\_5710\_5925-40000



11N40MIMO\_Ant2\_5710\_30-5460



11N40MIMO\_Ant2\_5710\_5925~40000



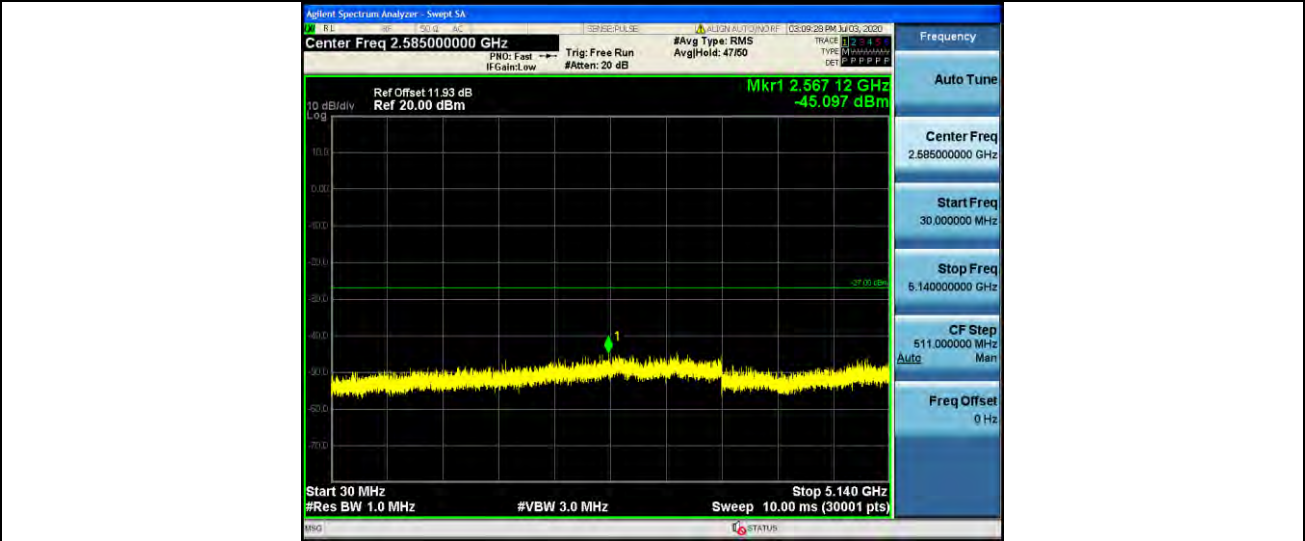
11AC20MIMO\_Ant1\_5260\_30~5140



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11AC20MIMO\_Ant2\_5260\_5360~40000



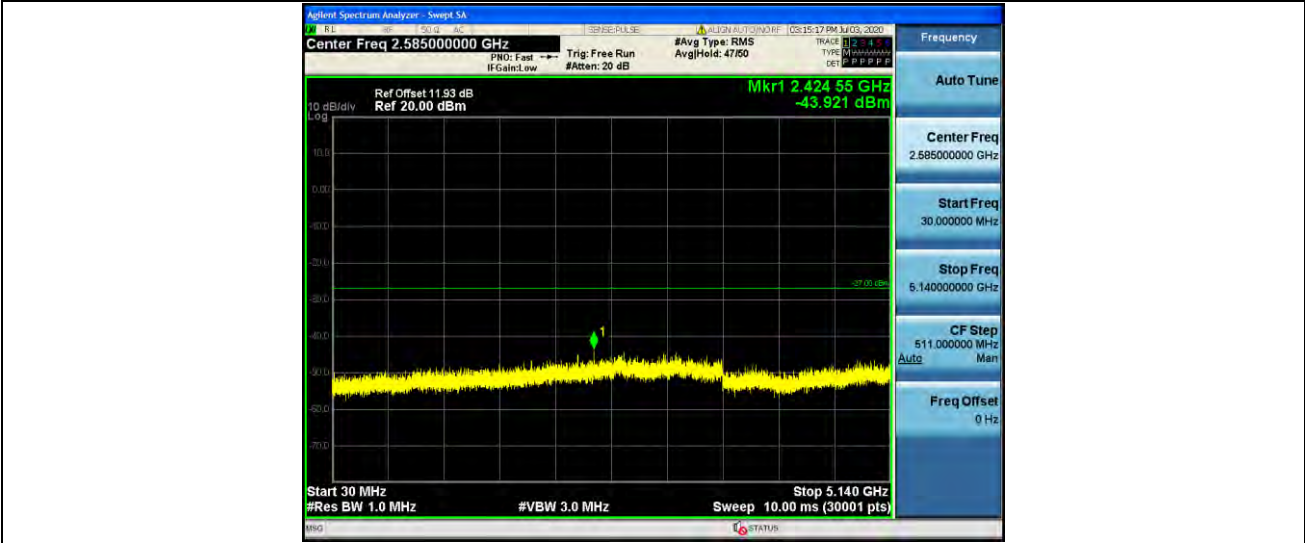
11AC20MIMO\_Ant1\_5280\_30~5140



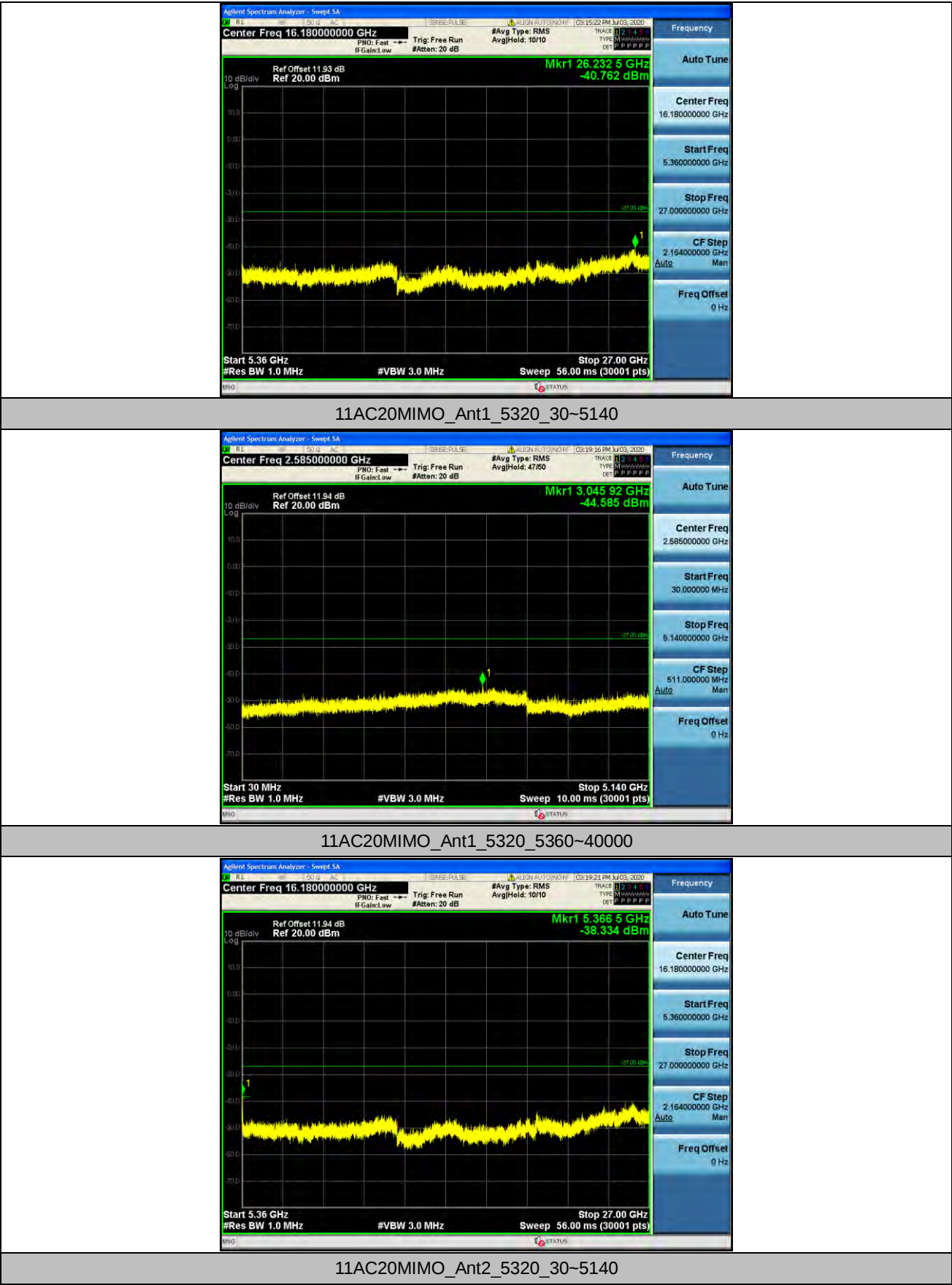
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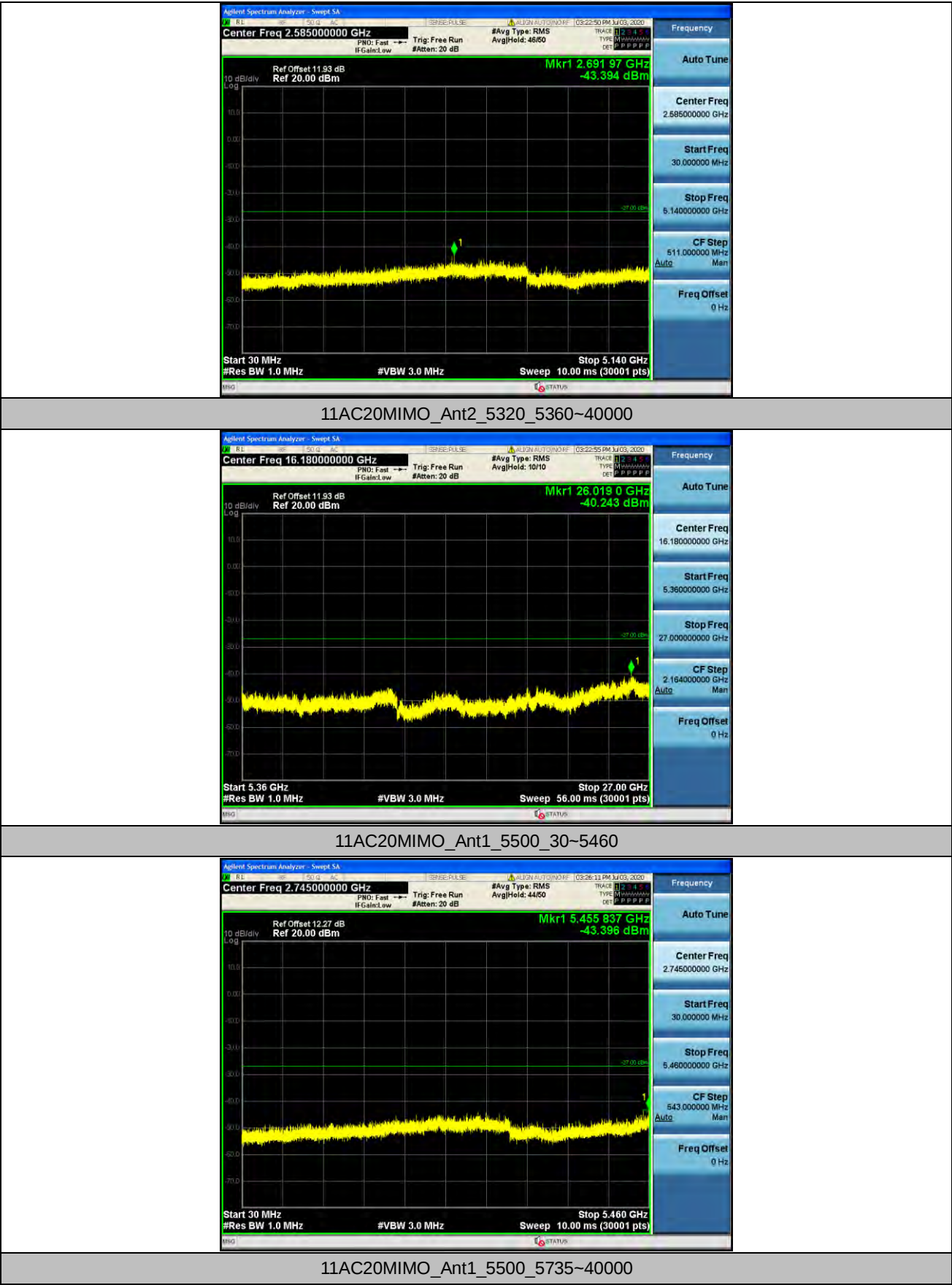


11AC20MIMO\_Ant2\_5280\_30-5140



11AC20MIMO\_Ant2\_5280\_5360-40000







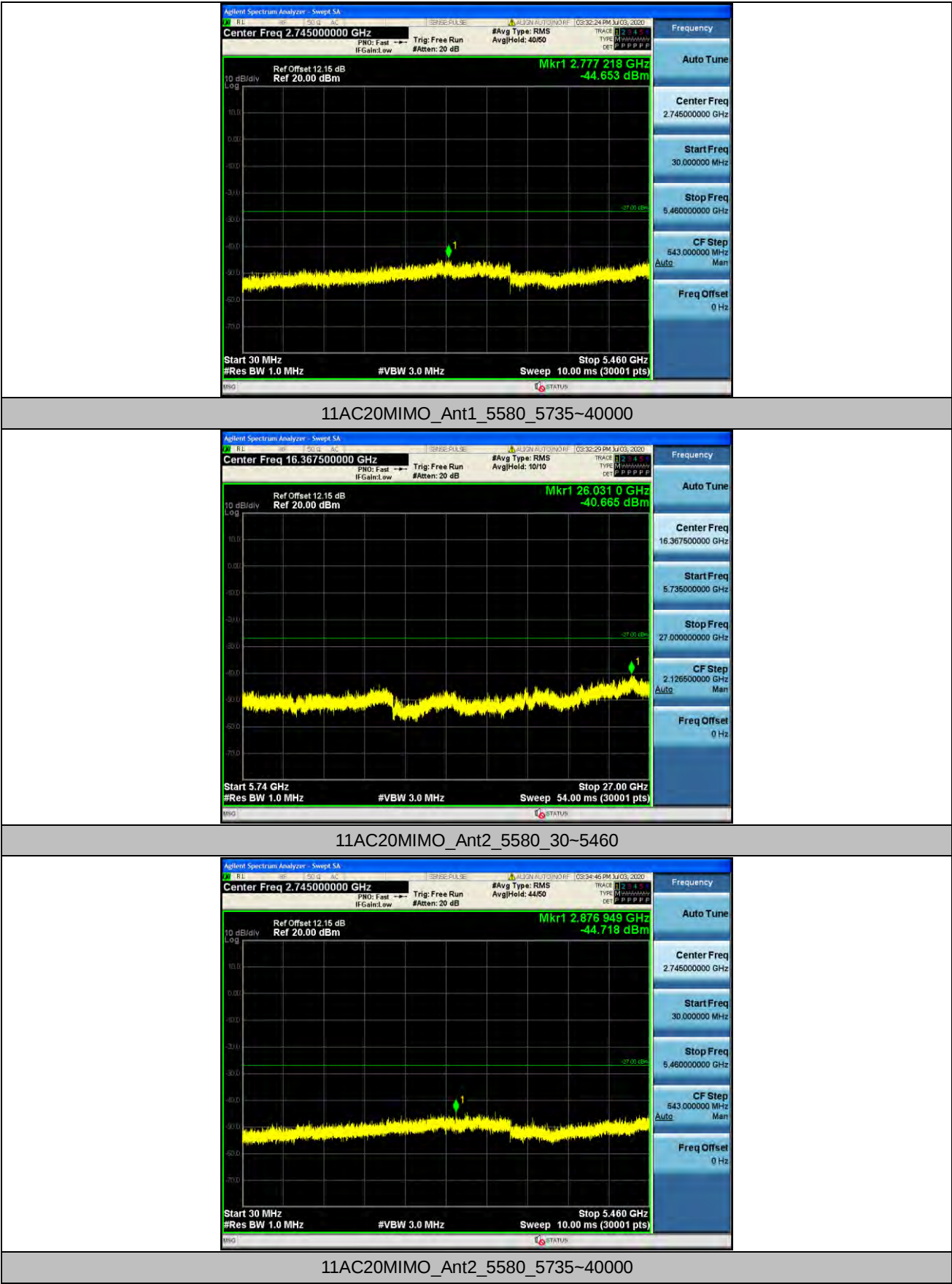
11AC20MIMO\_Ant2\_5500\_30~5460



11AC20MIMO\_Ant2\_5500\_5735~40000



11AC20MIMO\_Ant1\_5580\_30~5460





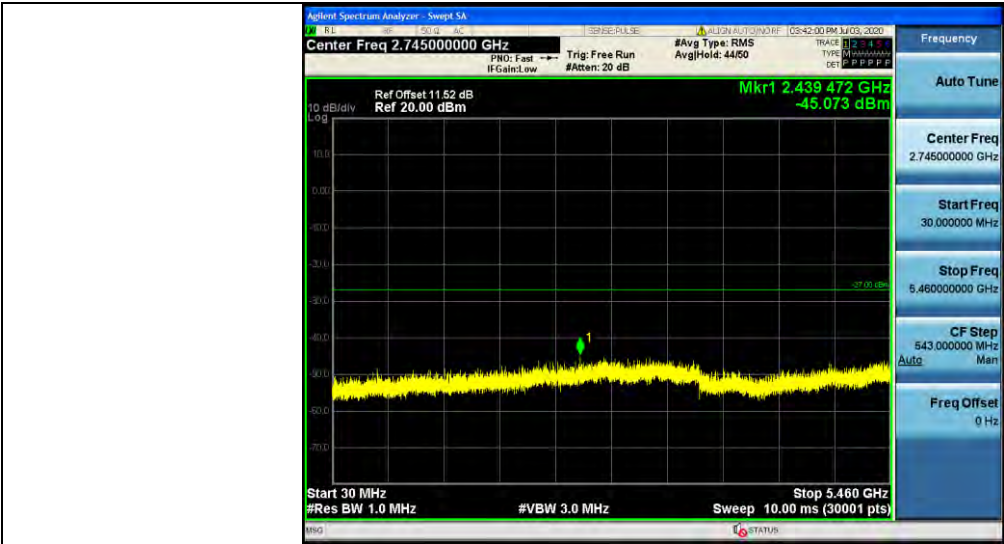
11AC20MIMO\_Ant1\_5700\_30~5460



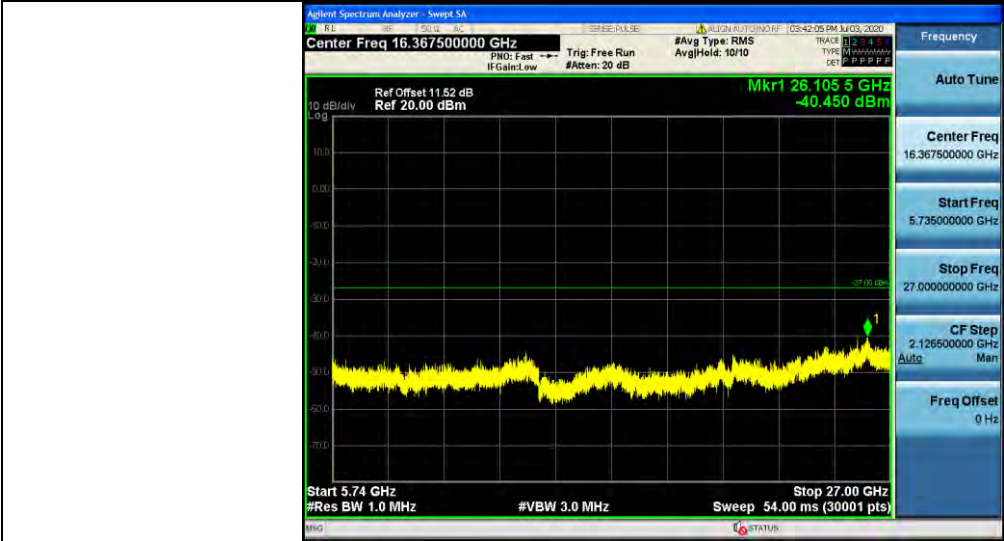
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11AC20MIMO\_Ant2\_5700\_30~5460



11AC20MIMO\_Ant2\_5700\_5735-40000



11AC20MIMO\_Ant1\_5720\_30-5460



11AC20MIMO\_Ant1\_5720\_5925-40000



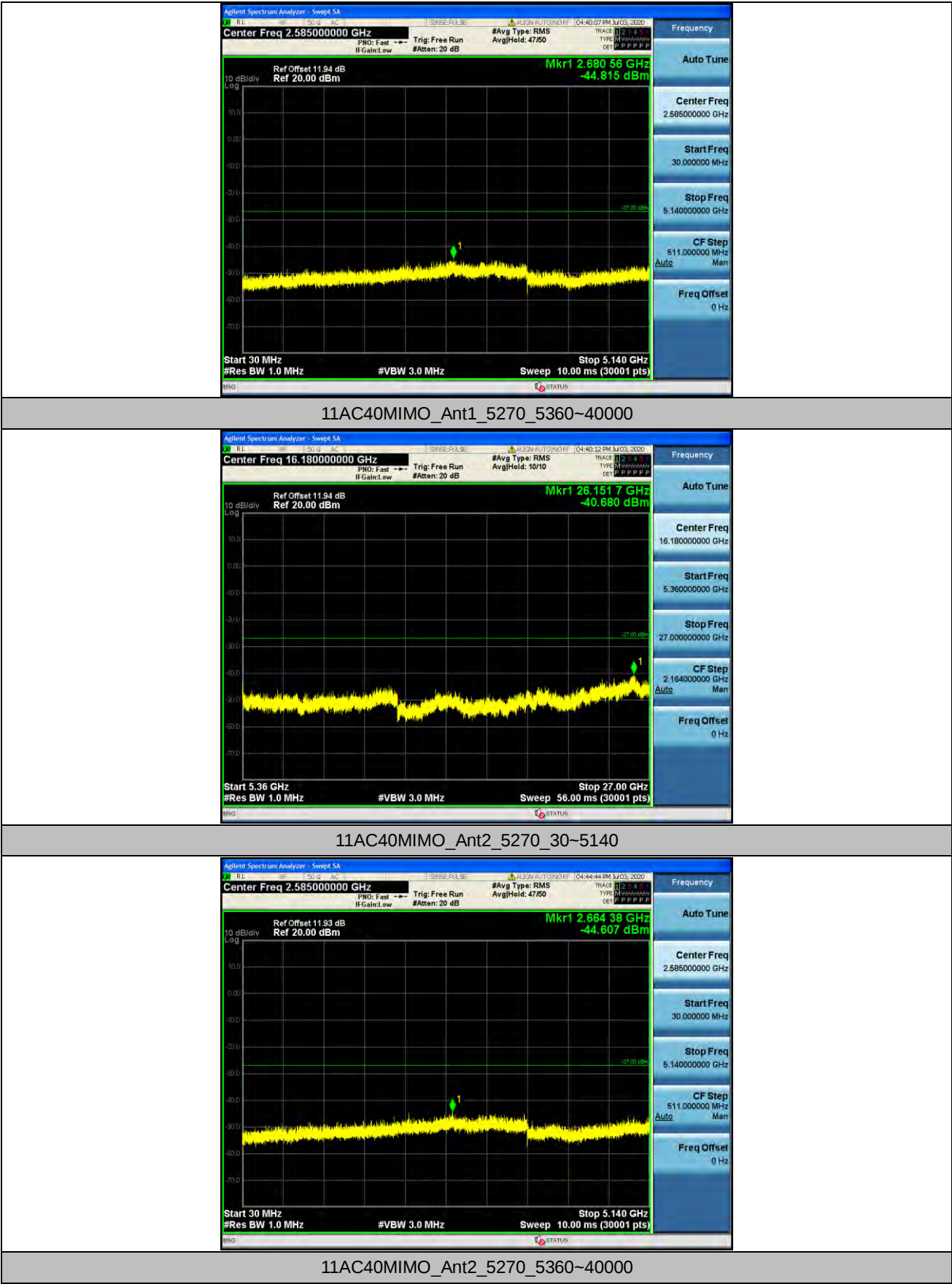
11AC20MIMO\_Ant2\_5720\_30~5460



11AC20MIMO\_Ant2\_5720\_5925~40000



11AC40MIMO\_Ant1\_5270\_30~5140





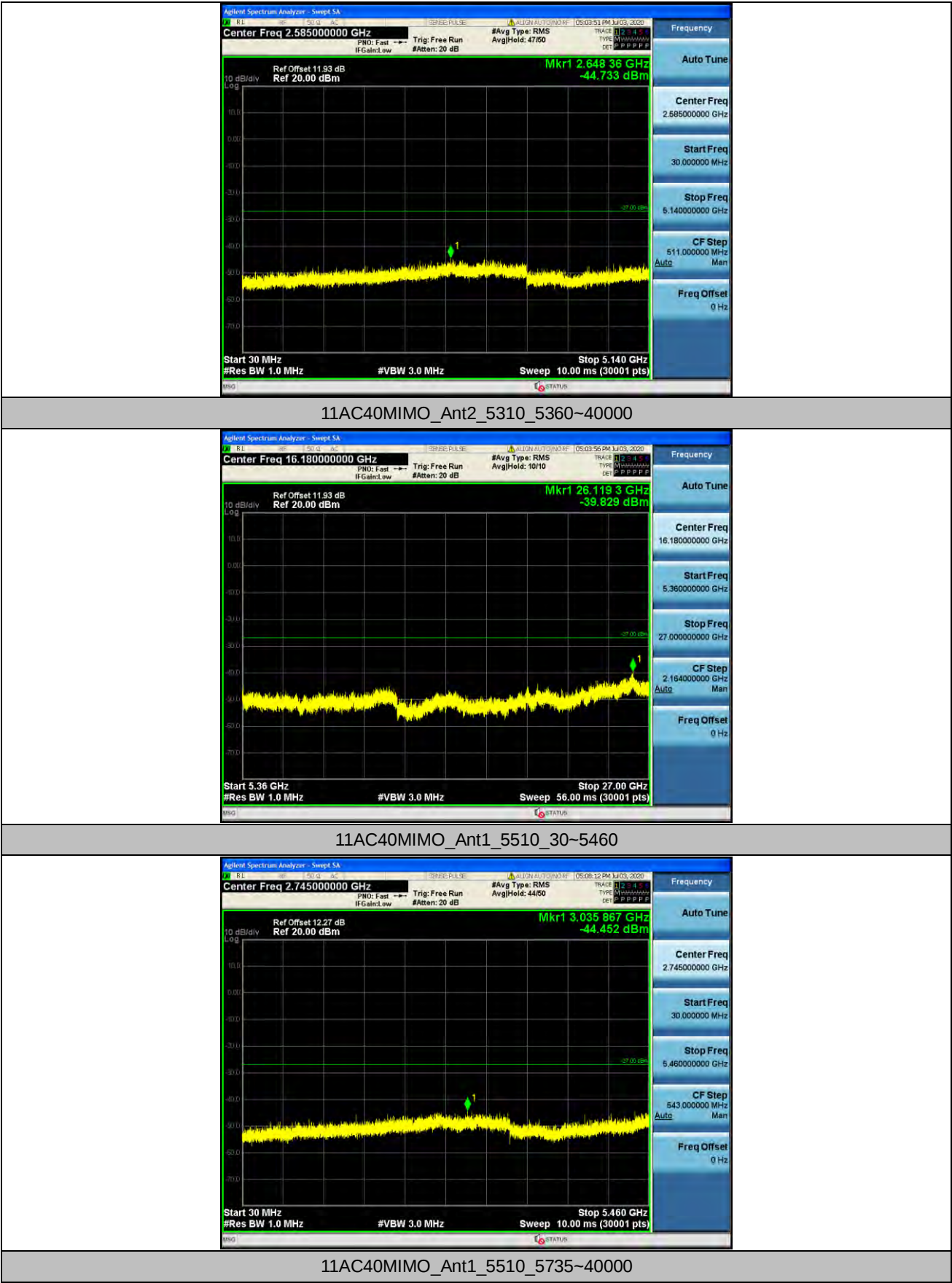
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11AC40MIMO\_Ant1\_5310\_5360~40000

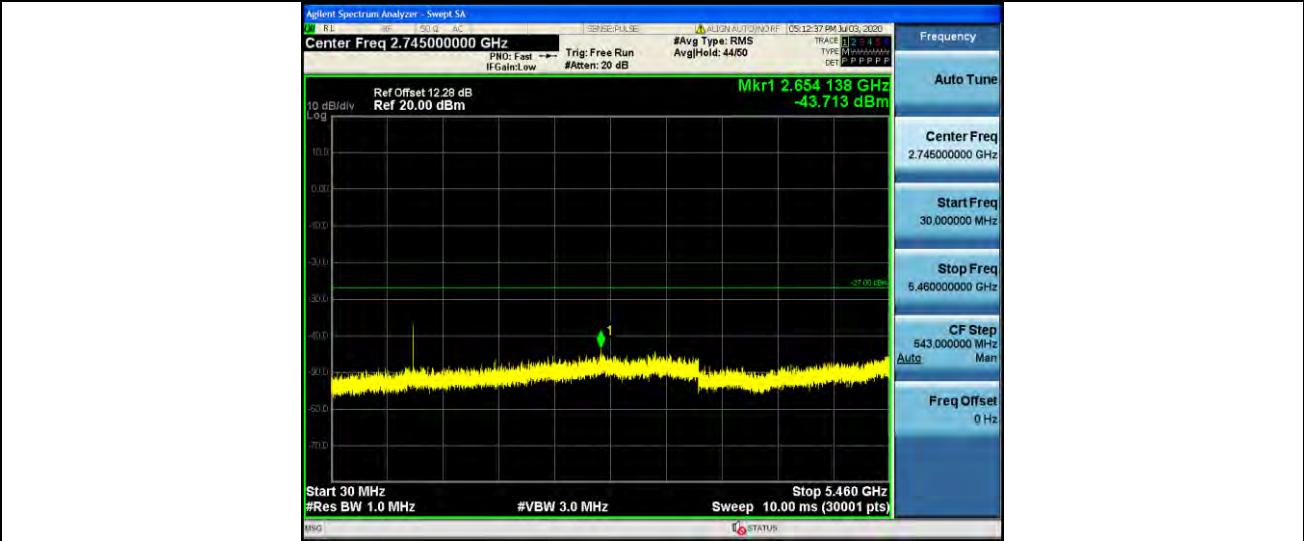


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11AC40MIMO\_Ant2\_5510\_30~5460



11AC40MIMO\_Ant2\_5510\_5735~40000



11AC40MIMO\_Ant1\_5550\_30~5460



11AC40MIMO\_Ant1\_5550\_5735-40000



11AC40MIMO\_Ant2\_5550\_30-5460



11AC40MIMO\_Ant2\_5550\_5735-40000



11AC40MIMO\_Ant1\_5670\_30~5460



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11AC40MIMO\_Ant2\_5670\_30~5460



11AC40MIMO\_Ant2\_5670\_5735-40000



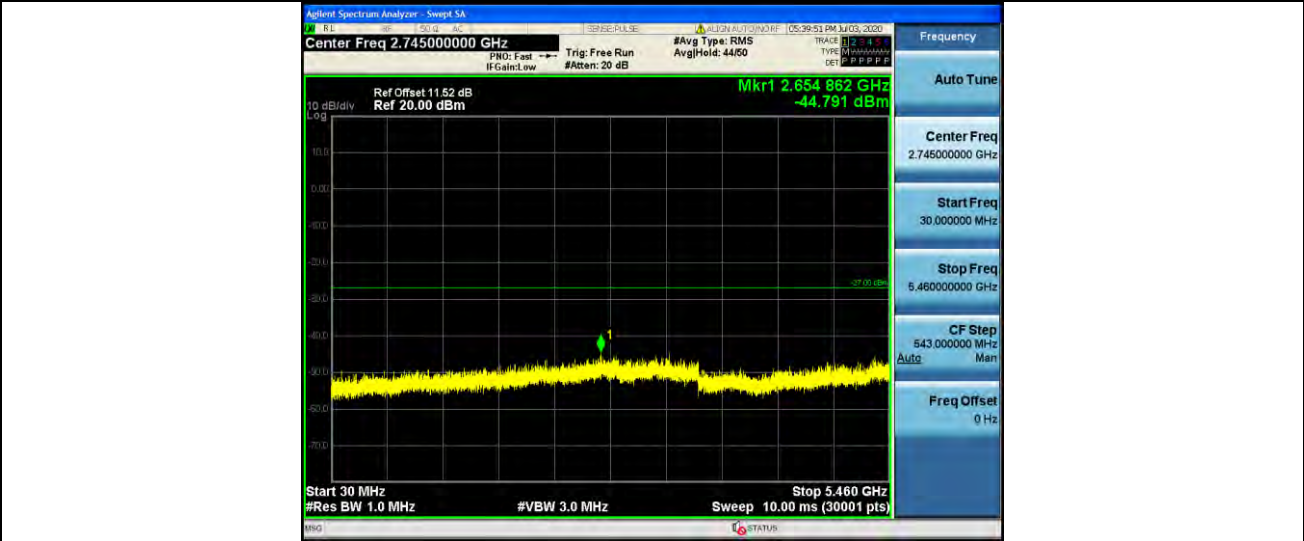
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11AC40MIMO\_Ant1\_5710\_5925-40000



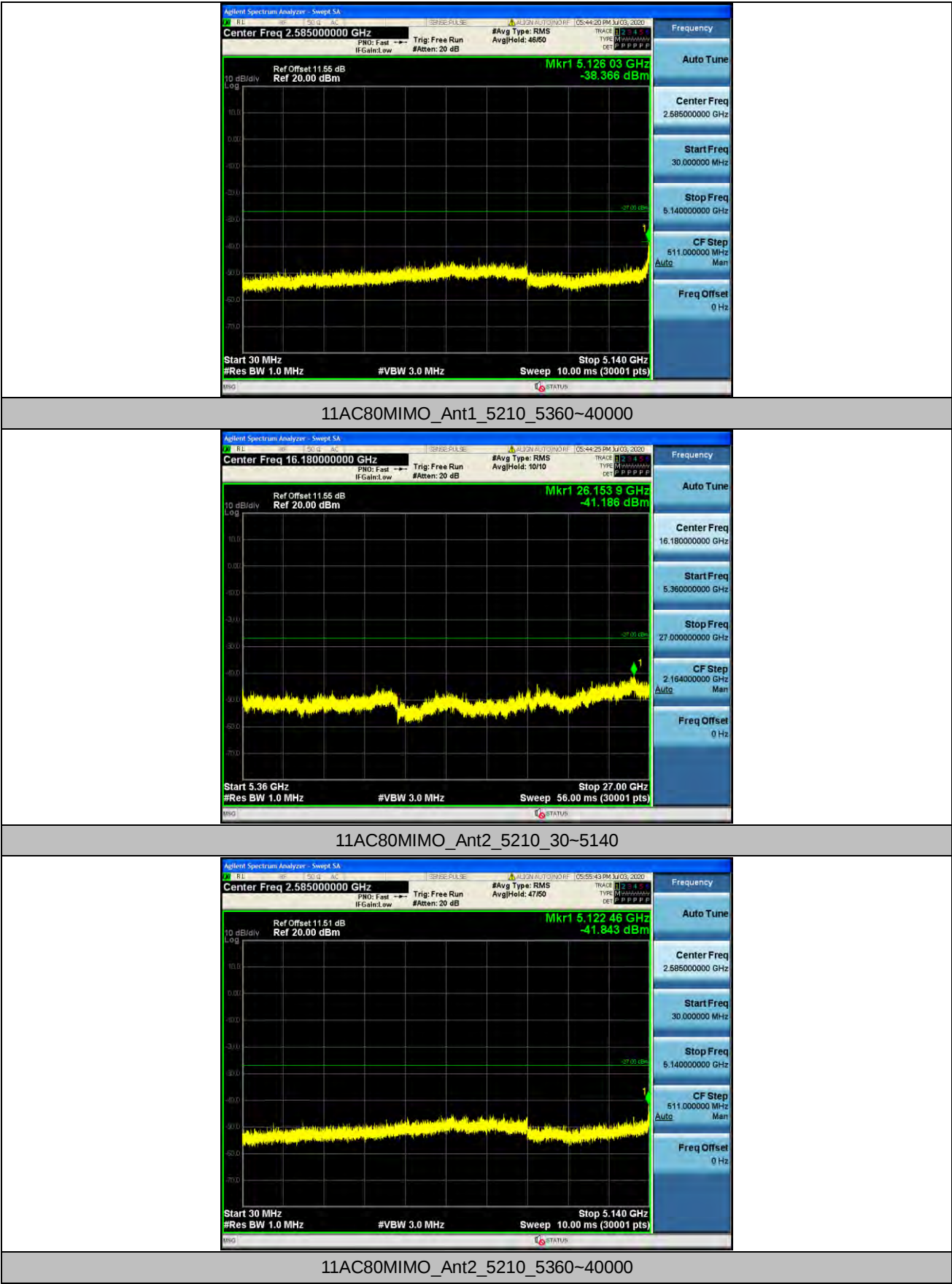
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11AC40MIMO\_Ant2\_5710\_5925~40000



11AC80MIMO\_Ant1\_5210\_30~5140





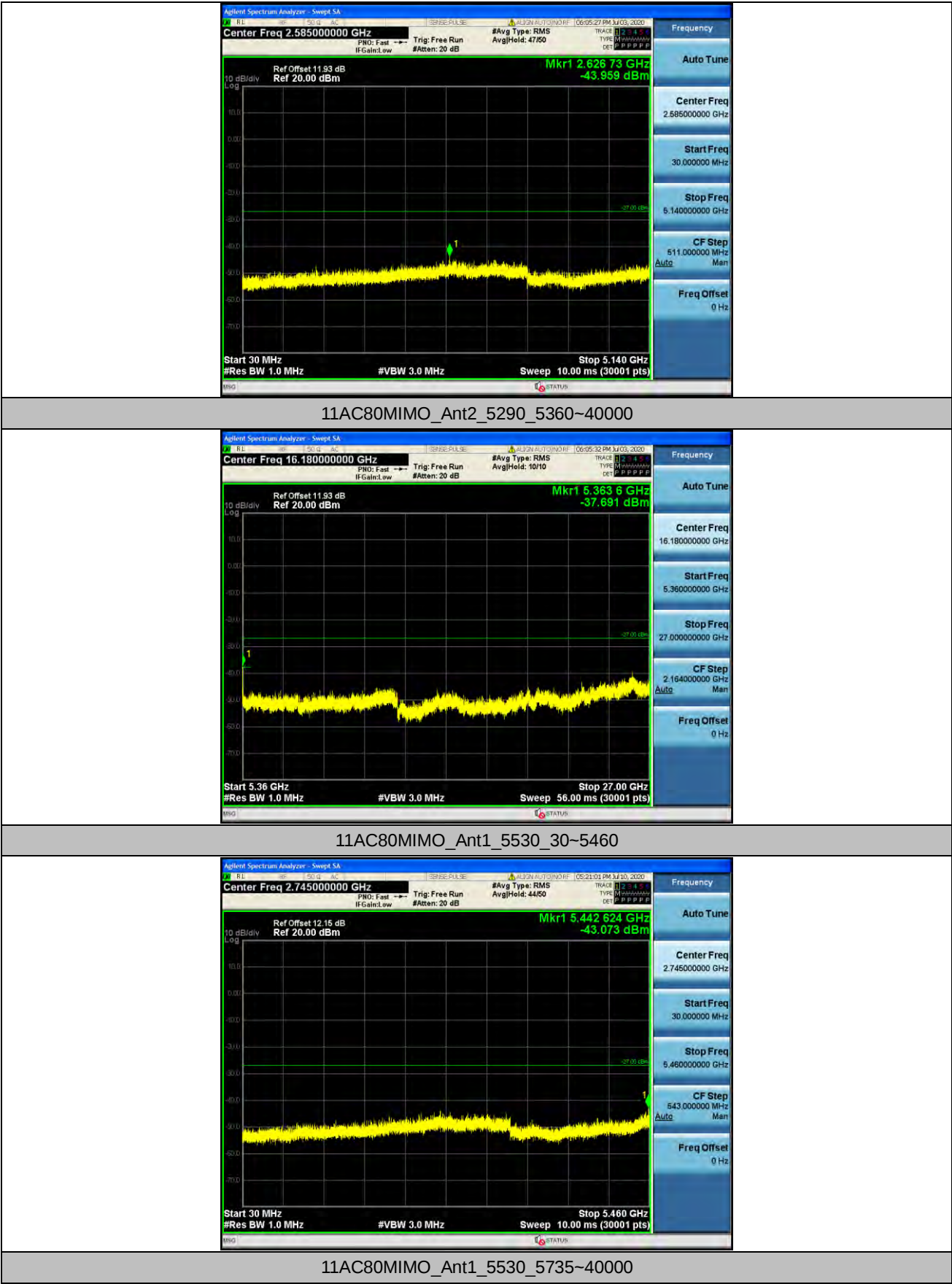
11AC80MIMO\_Ant1\_5290\_30~5140



11AC80MIMO\_Ant1\_5290\_5360~40000



11AC80MIMO\_Ant2\_5290\_30~5140





11AC80MIMO\_Ant2\_5530\_30~5460



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11AC80MIMO\_Ant1\_5610\_30~5460



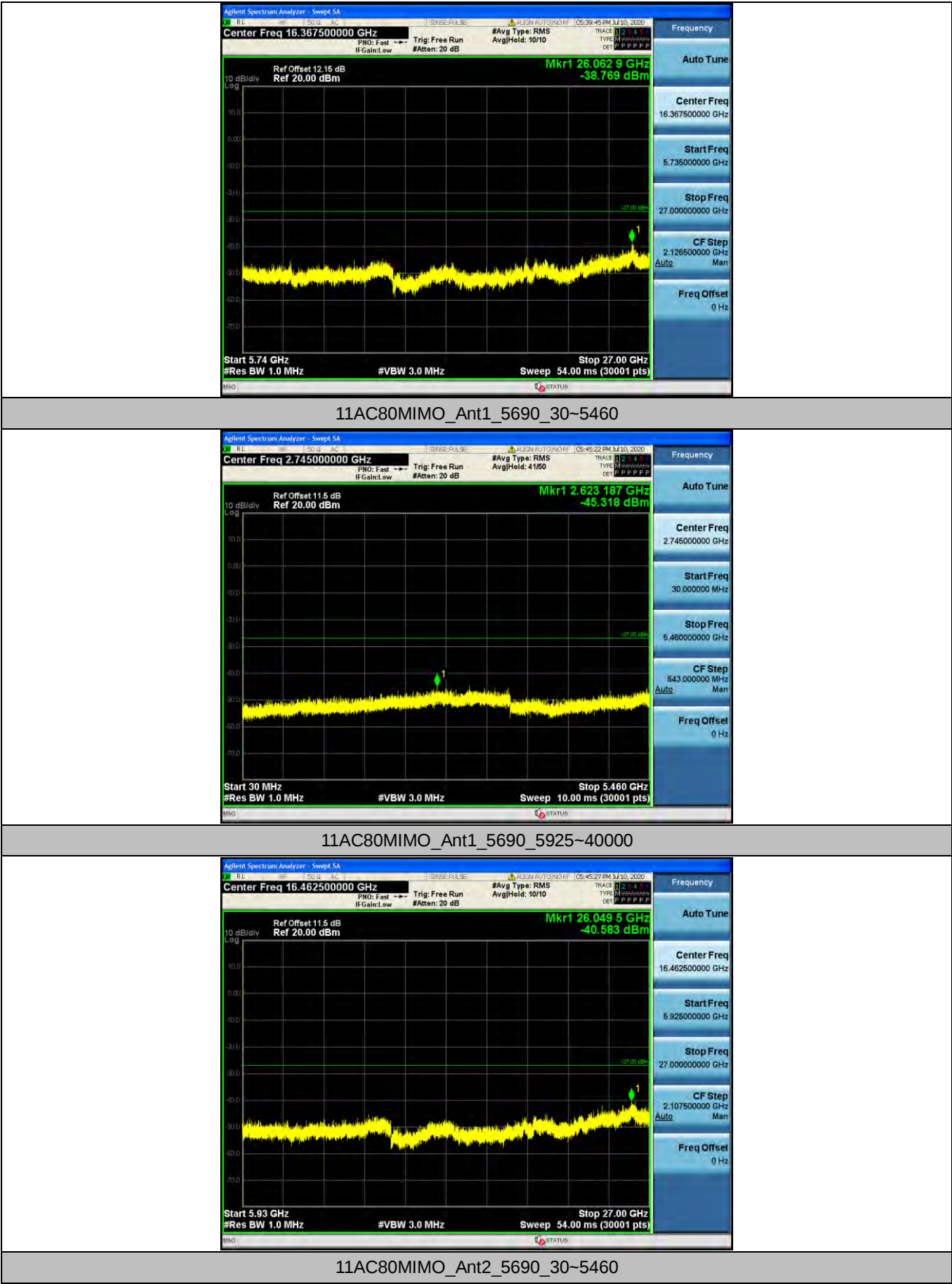
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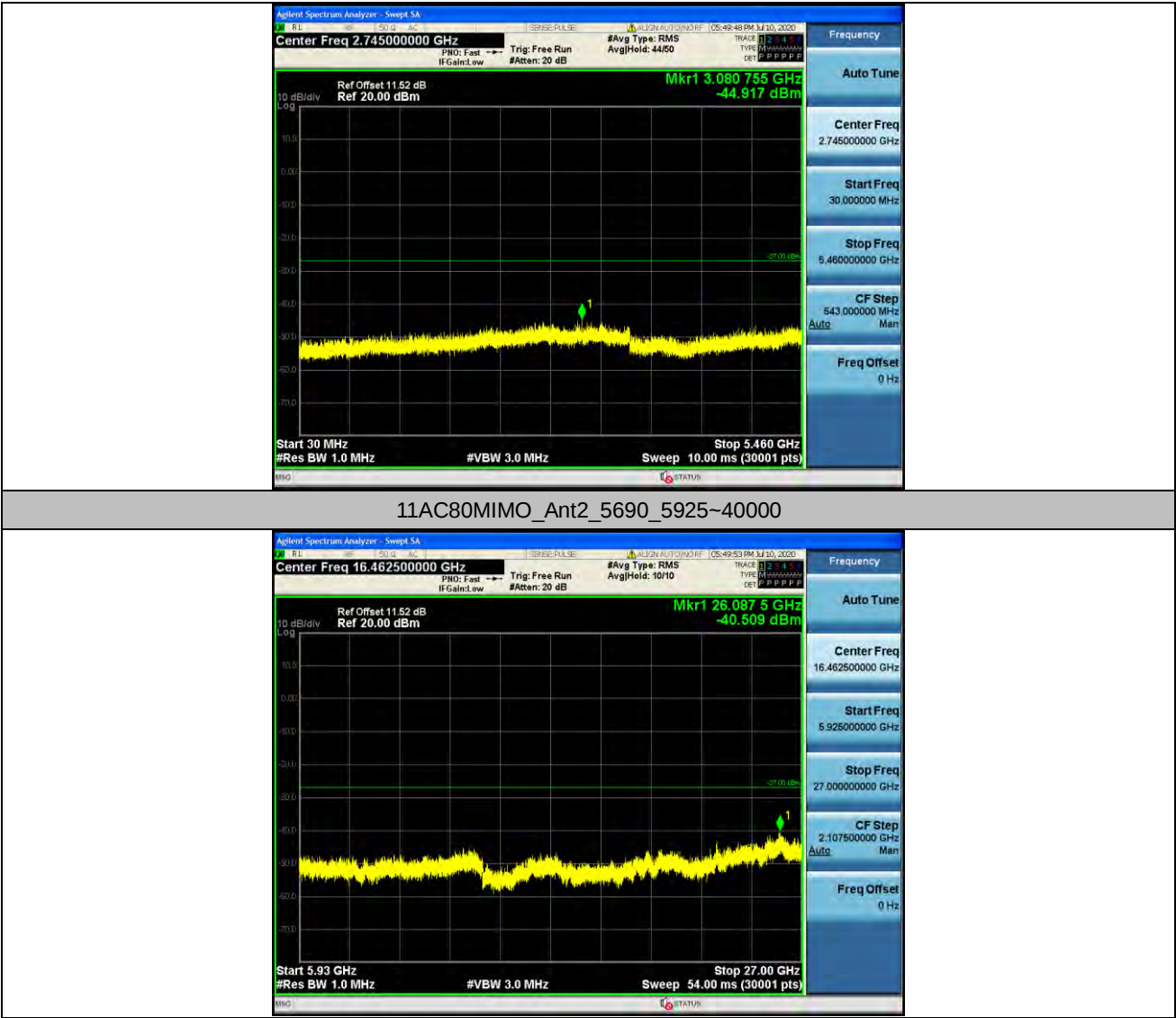


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11AC80MIMO\_Ant2\_5610\_5735-40000





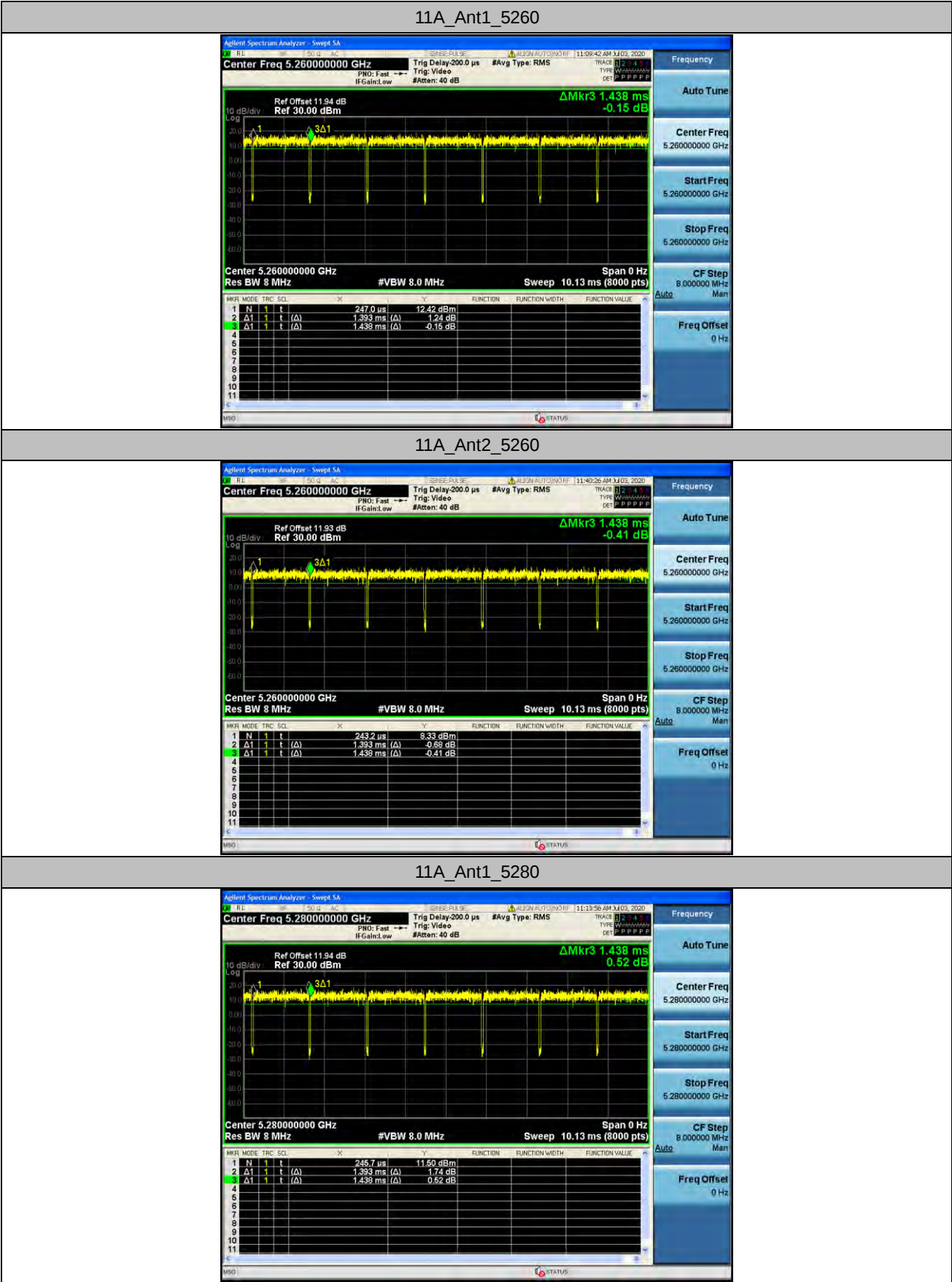
## Appendix F: Duty Cycle

### Test Result

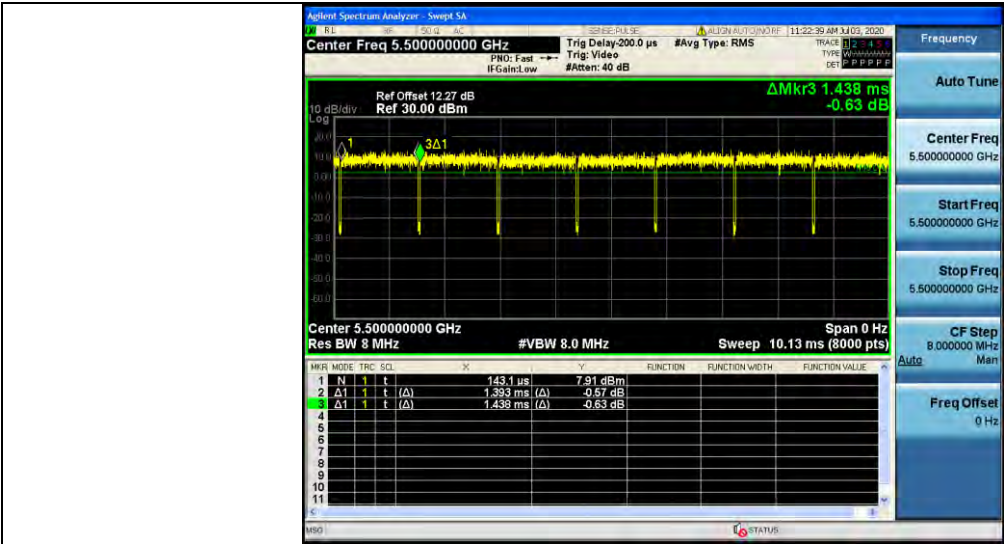
| TestMode  | Antenna | Channel | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|-----------|---------|---------|----------------------------|--------------------------|----------------|
| 11A       | Ant1    | 5260    | 1.39                       | 1.44                     | 96.92          |
|           | Ant2    | 5260    | 1.39                       | 1.44                     | 96.92          |
|           | Ant1    | 5280    | 1.39                       | 1.44                     | 96.92          |
|           | Ant2    | 5280    | 1.39                       | 1.44                     | 96.92          |
|           | Ant1    | 5320    | 1.39                       | 1.44                     | 97.00          |
|           | Ant2    | 5320    | 1.39                       | 1.44                     | 96.92          |
|           | Ant1    | 5500    | 1.39                       | 1.44                     | 96.92          |
|           | Ant2    | 5500    | 1.39                       | 1.44                     | 96.92          |
|           | Ant1    | 5580    | 1.39                       | 1.44                     | 96.92          |
|           | Ant2    | 5580    | 1.39                       | 1.44                     | 97.00          |
|           | Ant1    | 5700    | 1.39                       | 1.44                     | 96.92          |
|           | Ant2    | 5700    | 1.39                       | 1.44                     | 97.00          |
|           | Ant1    | 5720    | 1.39                       | 1.44                     | 96.92          |
|           | Ant2    | 5720    | 1.39                       | 1.44                     | 97.00          |
| 11N20MIMO | Ant1    | 5260    | 0.16                       | 0.21                     | 79.01          |
|           | Ant2    | 5260    | 0.16                       | 0.21                     | 78.40          |
|           | Ant1    | 5280    | 0.16                       | 0.21                     | 78.40          |
|           | Ant2    | 5280    | 0.16                       | 0.21                     | 79.01          |
|           | Ant1    | 5320    | 0.16                       | 0.21                     | 79.01          |
|           | Ant2    | 5320    | 0.16                       | 0.21                     | 78.40          |
|           | Ant1    | 5500    | 0.16                       | 0.21                     | 79.01          |
|           | Ant2    | 5500    | 0.16                       | 0.21                     | 78.40          |
|           | Ant1    | 5580    | 0.16                       | 0.21                     | 78.53          |
|           | Ant2    | 5580    | 0.16                       | 0.21                     | 79.01          |
|           | Ant1    | 5700    | 0.16                       | 0.21                     | 79.01          |
|           | Ant2    | 5700    | 0.16                       | 0.21                     | 78.40          |
|           | Ant1    | 5720    | 0.16                       | 0.21                     | 79.01          |
|           | Ant2    | 5720    | 0.16                       | 0.21                     | 78.40          |
| 11N40MIMO | Ant1    | 5270    | 0.10                       | 0.14                     | 69.37          |
|           | Ant2    | 5270    | 0.10                       | 0.14                     | 69.64          |
|           | Ant1    | 5310    | 0.10                       | 0.14                     | 68.75          |
|           | Ant2    | 5310    | 0.10                       | 0.14                     | 68.75          |
|           | Ant1    | 5510    | 0.10                       | 0.14                     | 69.37          |
|           | Ant2    | 5510    | 0.10                       | 0.14                     | 69.37          |
|           | Ant1    | 5550    | 0.10                       | 0.14                     | 68.75          |
|           | Ant2    | 5550    | 0.10                       | 0.14                     | 68.75          |
|           | Ant1    | 5670    | 0.10                       | 0.14                     | 69.37          |

|            |      |      |      |      |       |
|------------|------|------|------|------|-------|
|            | Ant2 | 5670 | 0.10 | 0.14 | 69.37 |
|            | Ant1 | 5710 | 0.10 | 0.14 | 69.37 |
|            | Ant2 | 5710 | 0.10 | 0.14 | 68.75 |
| 11AC20MIMO | Ant1 | 5260 | 0.15 | 0.19 | 77.18 |
|            | Ant2 | 5260 | 0.15 | 0.19 | 77.18 |
|            | Ant1 | 5280 | 0.15 | 0.19 | 77.18 |
|            | Ant2 | 5280 | 0.15 | 0.19 | 76.67 |
|            | Ant1 | 5320 | 0.15 | 0.19 | 77.18 |
|            | Ant2 | 5320 | 0.15 | 0.19 | 76.67 |
|            | Ant1 | 5500 | 0.15 | 0.19 | 76.67 |
|            | Ant2 | 5500 | 0.15 | 0.19 | 77.18 |
|            | Ant1 | 5580 | 0.15 | 0.19 | 77.18 |
|            | Ant2 | 5580 | 0.15 | 0.19 | 77.18 |
|            | Ant1 | 5700 | 0.15 | 0.19 | 77.18 |
|            | Ant2 | 5700 | 0.15 | 0.19 | 77.18 |
|            | Ant1 | 5720 | 0.15 | 0.19 | 77.18 |
|            | Ant2 | 5720 | 0.15 | 0.19 | 77.18 |
| 11AC40MIMO | Ant1 | 5270 | 0.09 | 0.13 | 66.67 |
|            | Ant2 | 5270 | 0.09 | 0.13 | 66.67 |
|            | Ant1 | 5310 | 0.08 | 0.13 | 65.69 |
|            | Ant2 | 5310 | 0.08 | 0.13 | 65.69 |
|            | Ant1 | 5510 | 0.09 | 0.13 | 66.02 |
|            | Ant2 | 5510 | 0.09 | 0.13 | 66.67 |
|            | Ant1 | 5550 | 0.09 | 0.13 | 66.67 |
|            | Ant2 | 5550 | 0.08 | 0.13 | 65.69 |
|            | Ant1 | 5670 | 0.08 | 0.13 | 65.69 |
|            | Ant2 | 5670 | 0.08 | 0.13 | 65.69 |
|            | Ant1 | 5710 | 0.09 | 0.13 | 66.67 |
|            | Ant2 | 5710 | 0.08 | 0.13 | 65.69 |
| 11AC80MIMO | Ant1 | 5210 | 0.06 | 0.11 | 59.04 |
|            | Ant2 | 5210 | 0.06 | 0.10 | 64.00 |
|            | Ant1 | 5290 | 0.06 | 0.11 | 57.83 |
|            | Ant2 | 5290 | 0.06 | 0.11 | 60.24 |
|            | Ant1 | 5530 | 0.06 | 0.11 | 59.04 |
|            | Ant2 | 5530 | 0.06 | 0.11 | 59.04 |
|            | Ant1 | 5610 | 0.06 | 0.10 | 59.76 |
|            | Ant2 | 5610 | 0.06 | 0.10 | 59.76 |
|            | Ant1 | 5690 | 0.06 | 0.10 | 58.54 |
|            | Ant2 | 5690 | 0.06 | 0.11 | 59.04 |

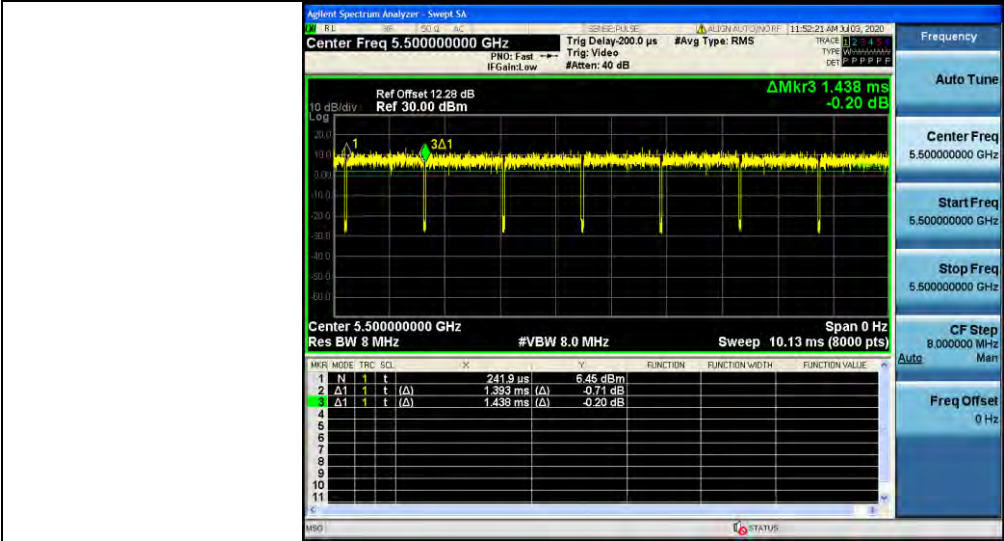
Test Graphs



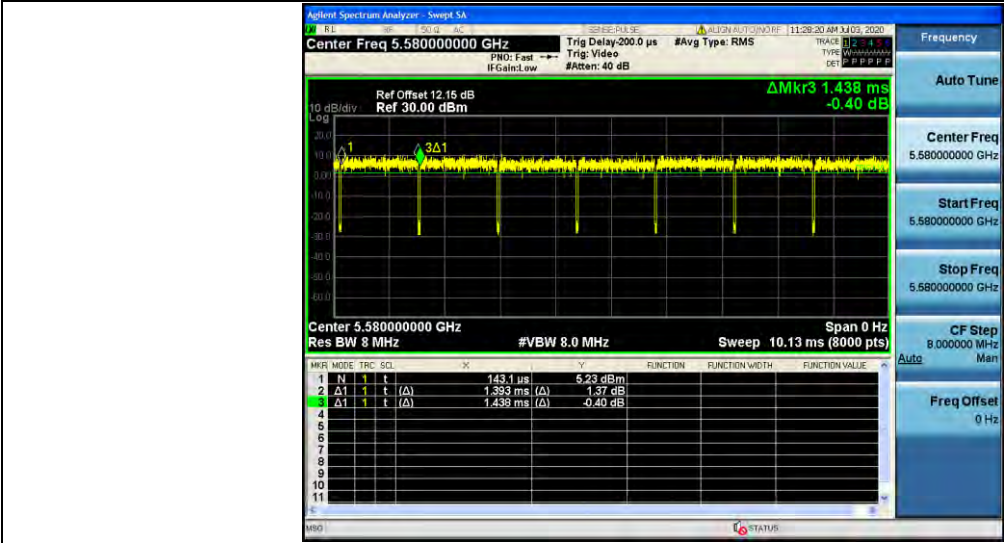




11A\_Ant2\_5500

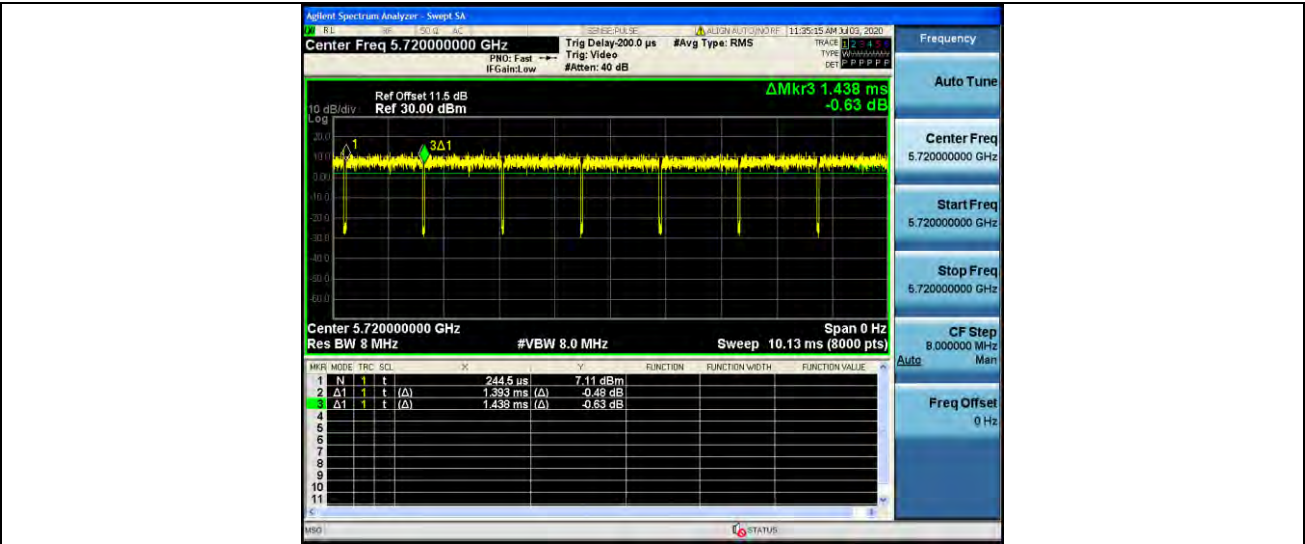


11A\_Ant1\_5580

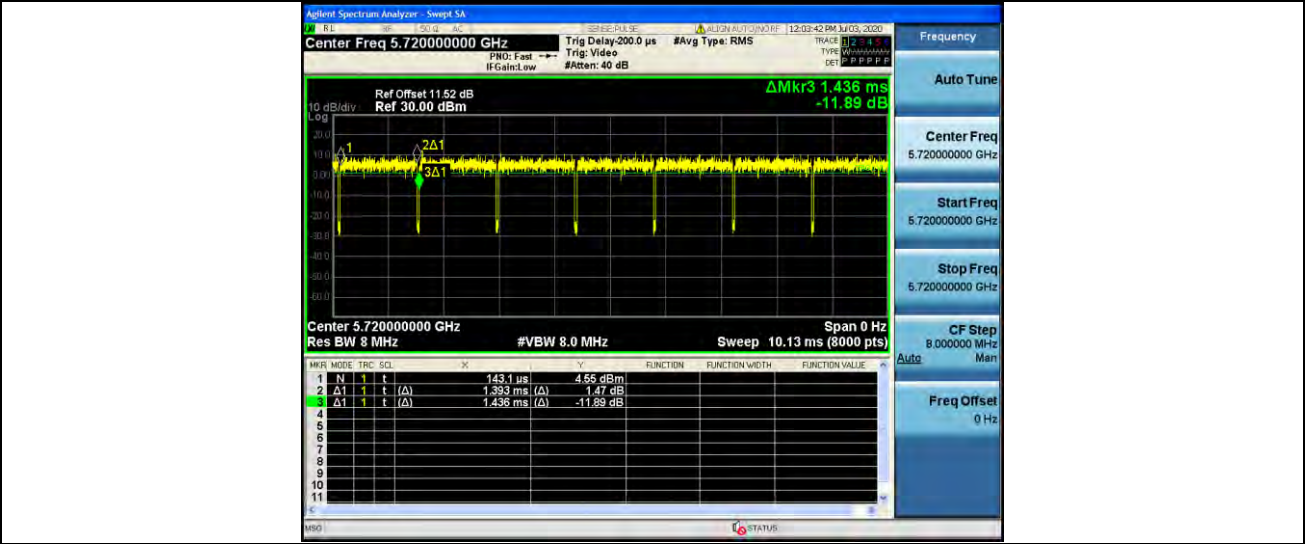


11A\_Ant2\_5580

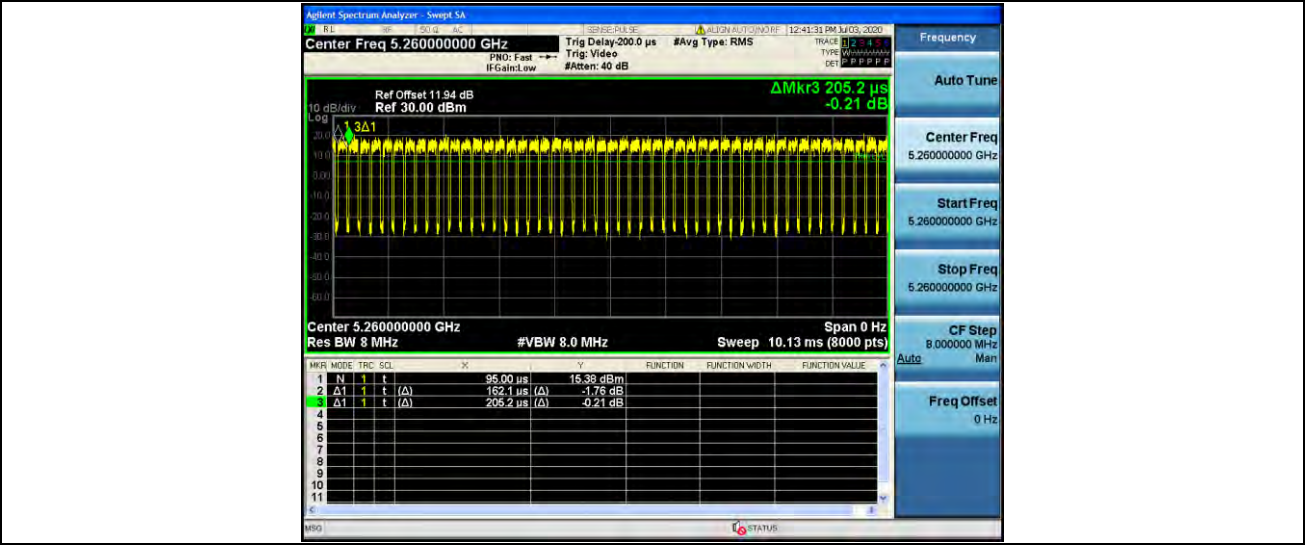




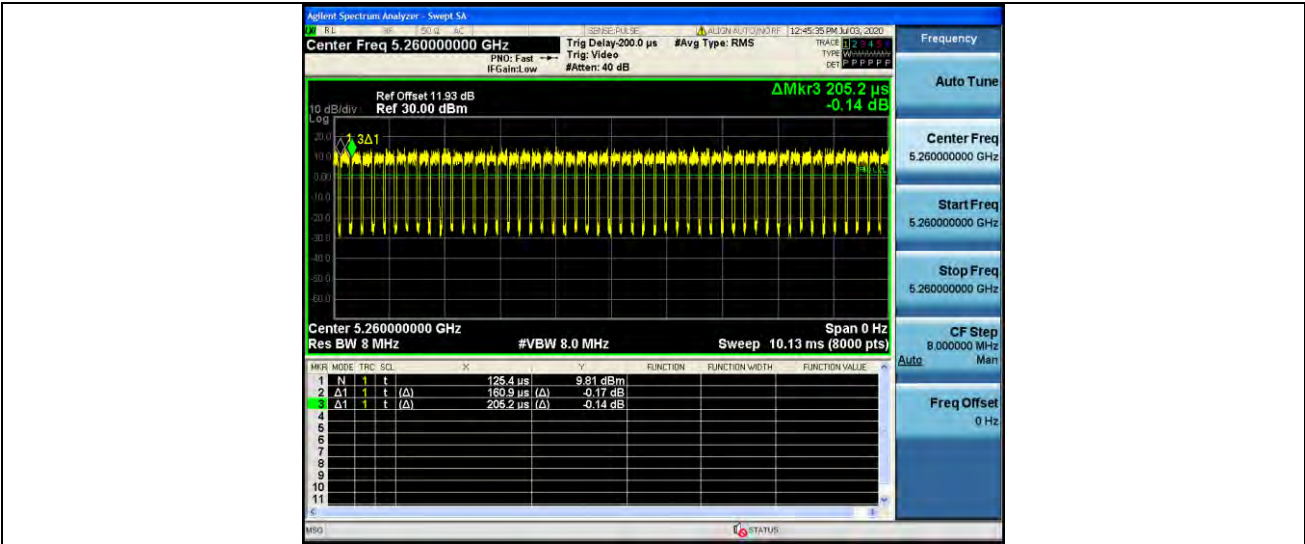
11A\_Ant2\_5720



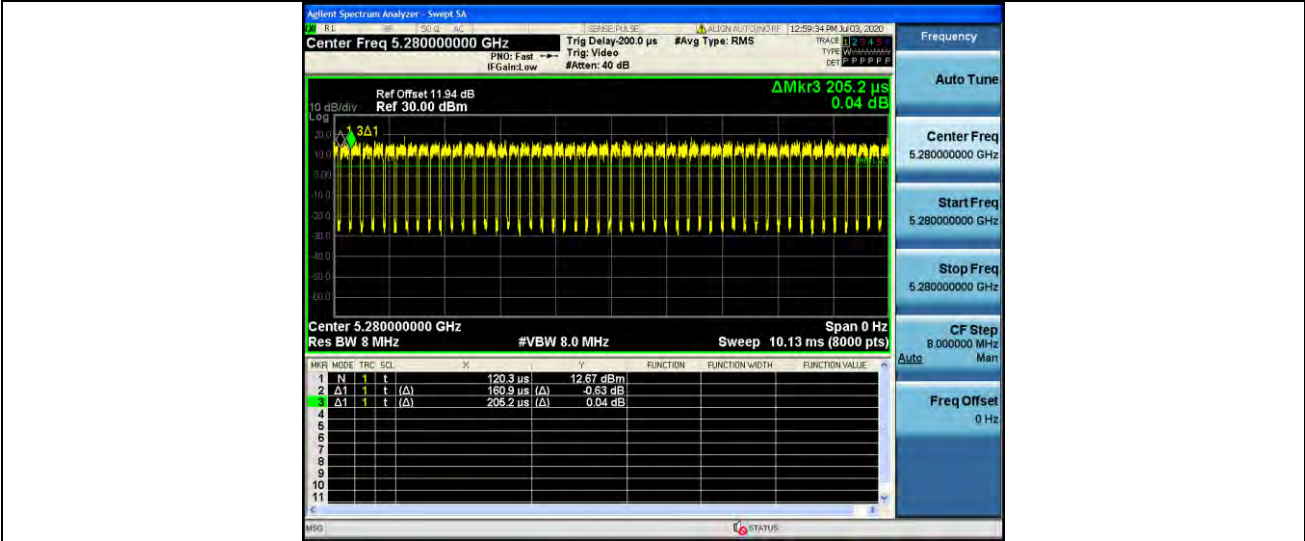
11N20MIMO\_Ant1\_5260



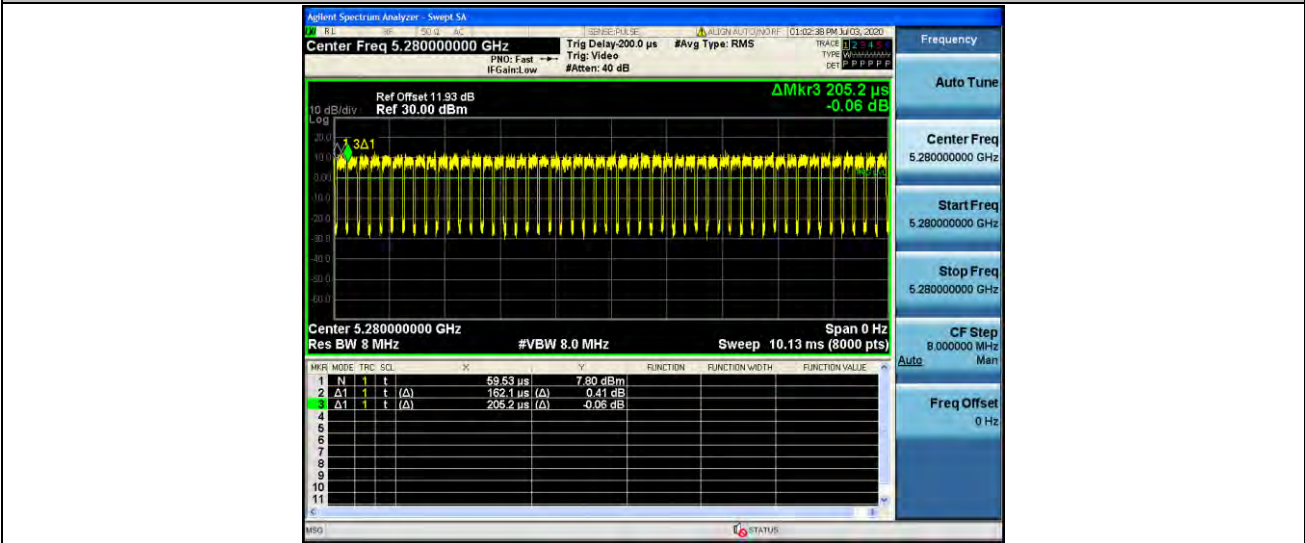
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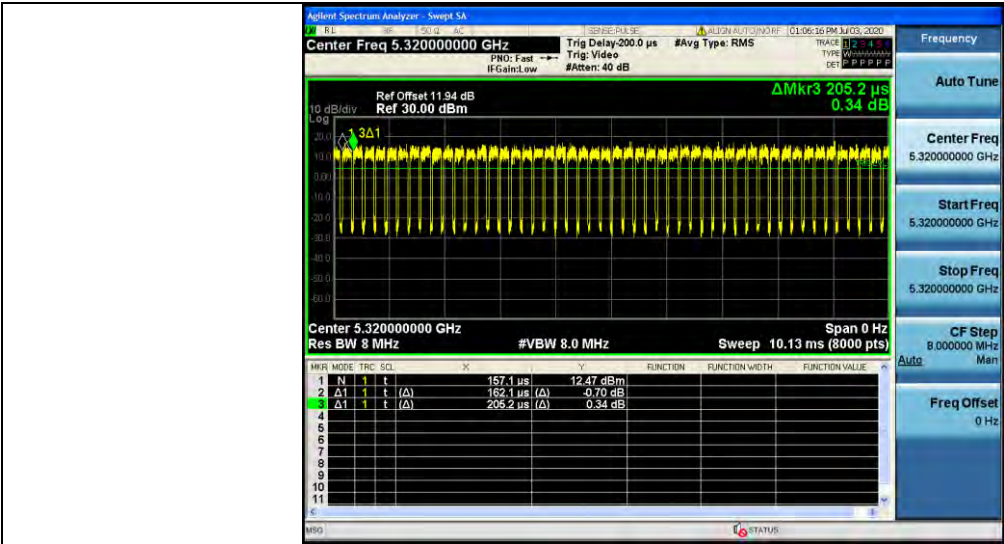
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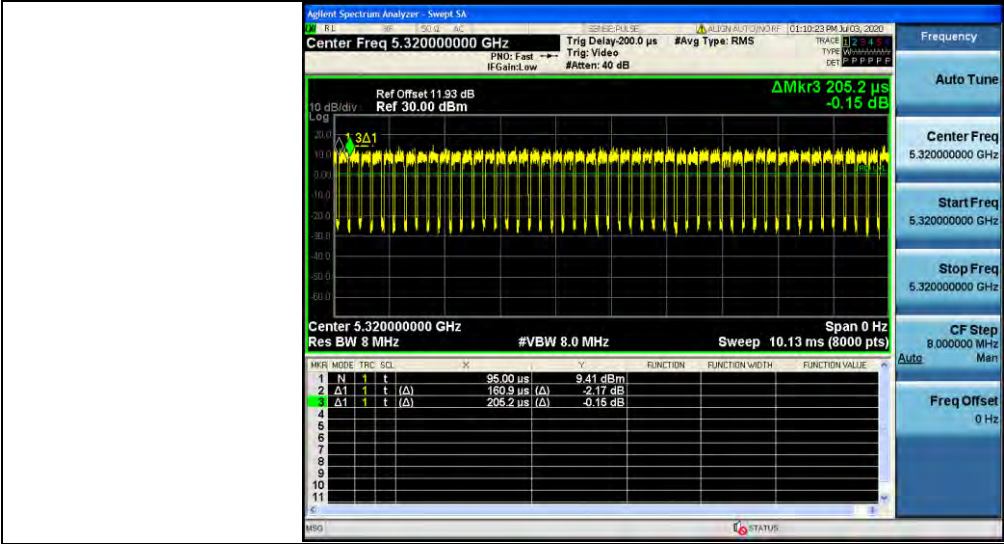
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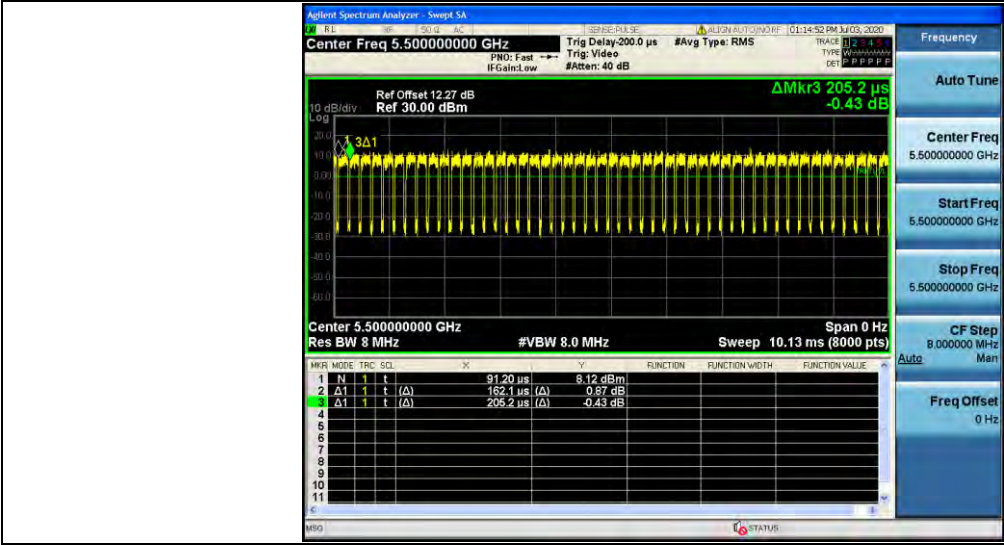
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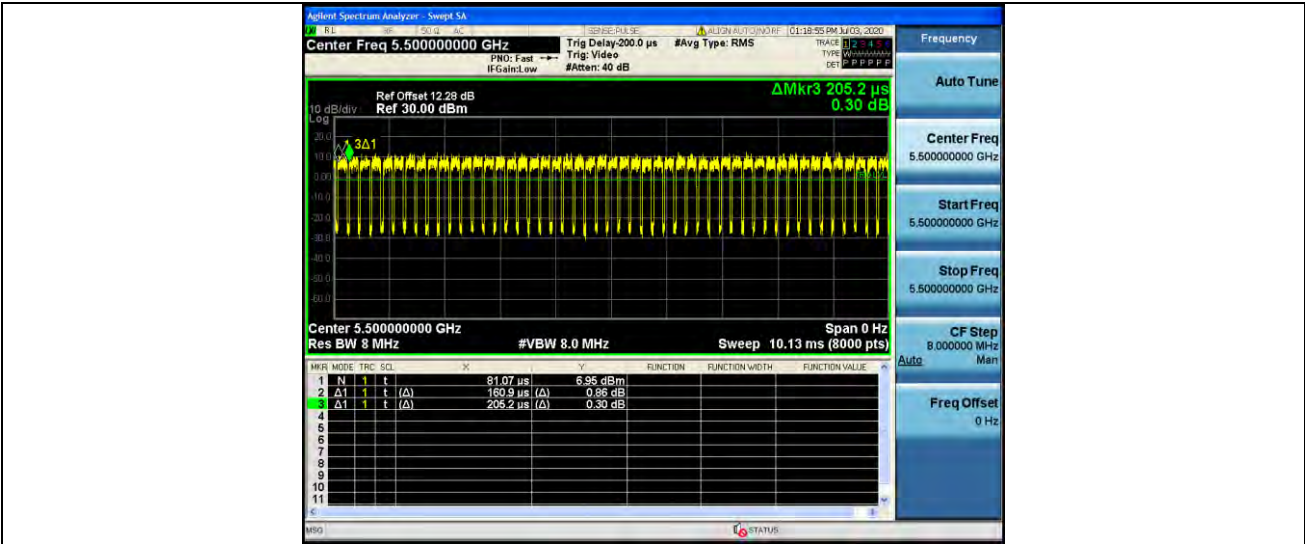
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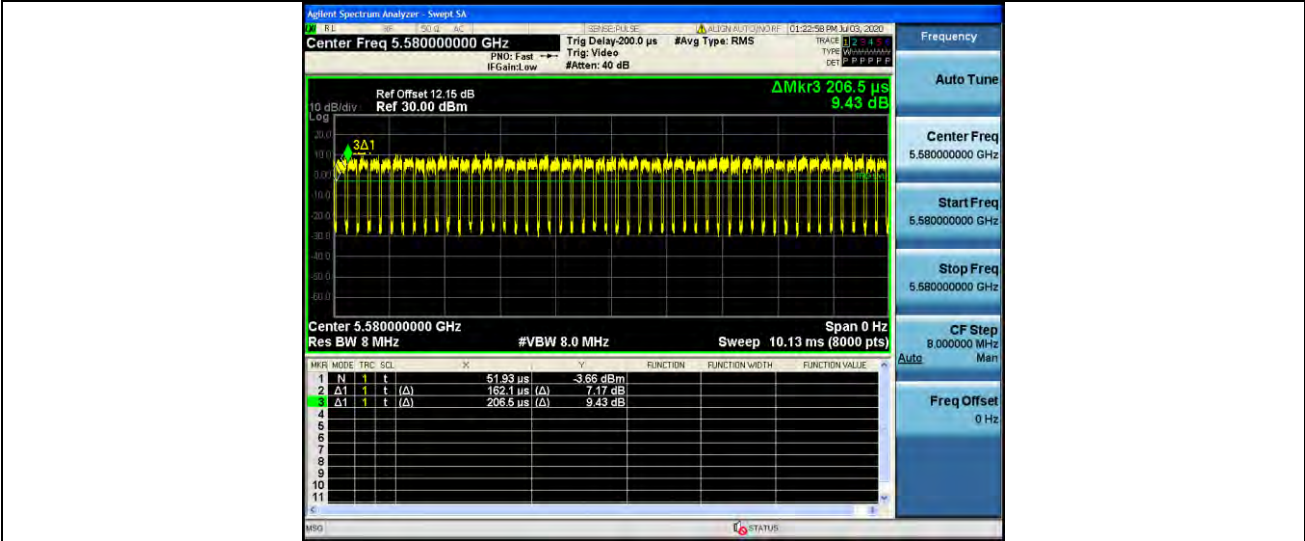
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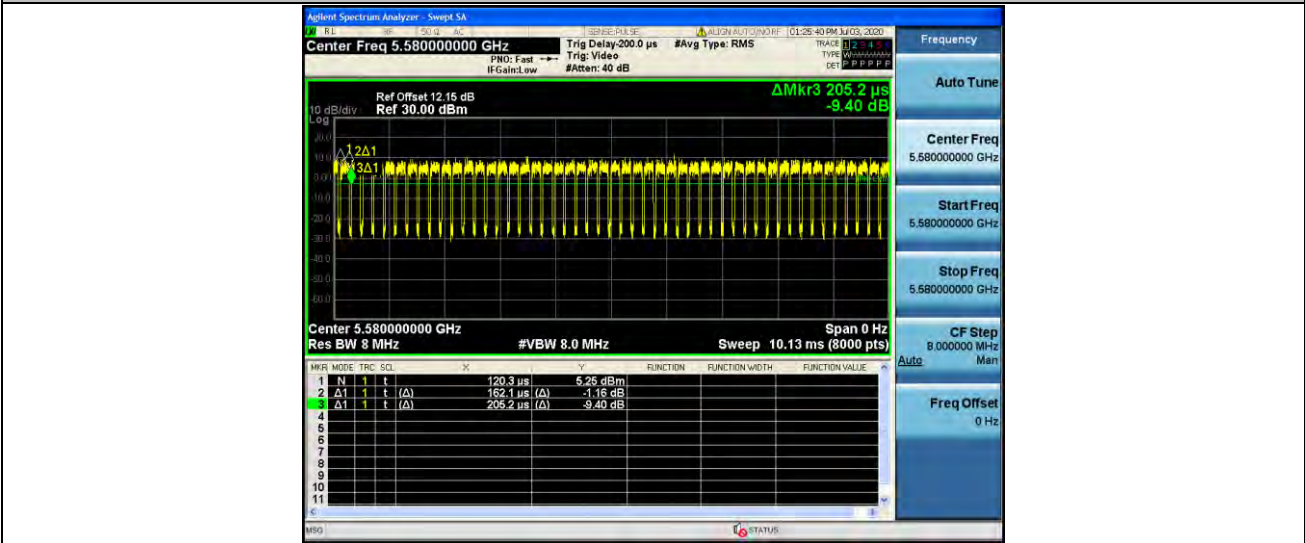
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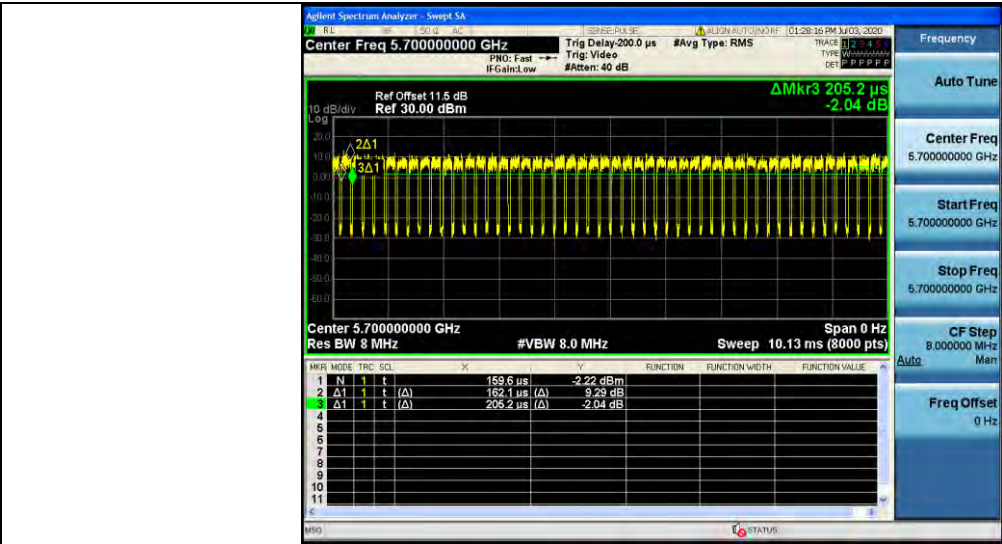
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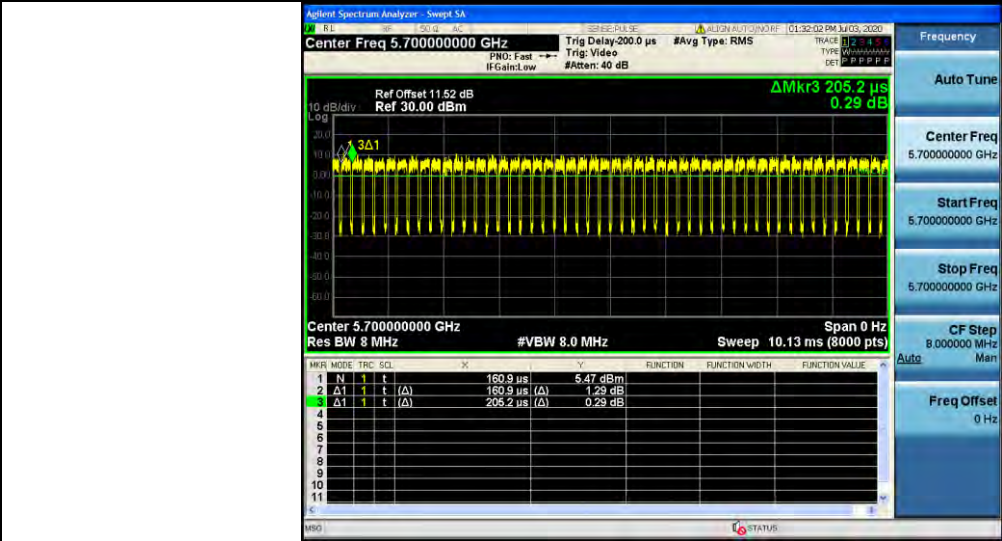
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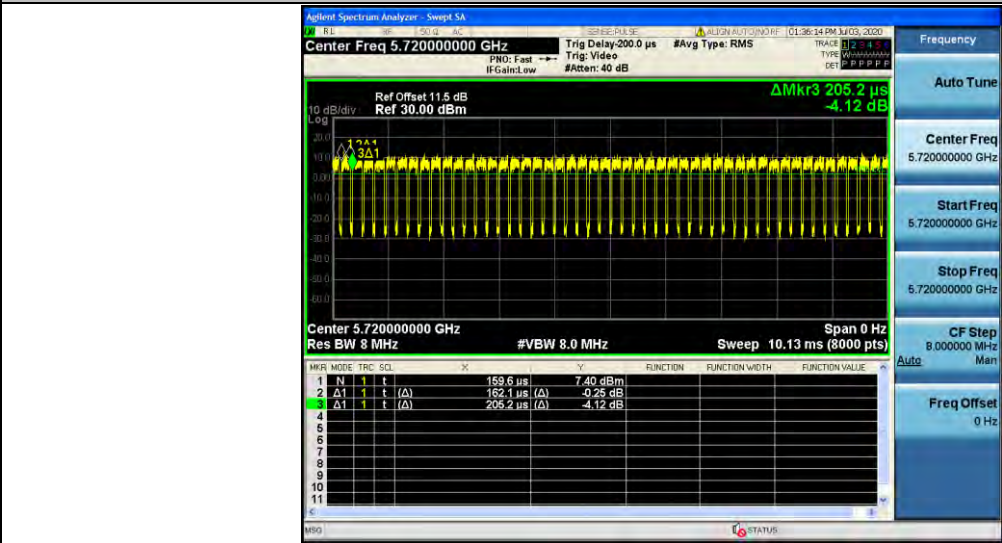
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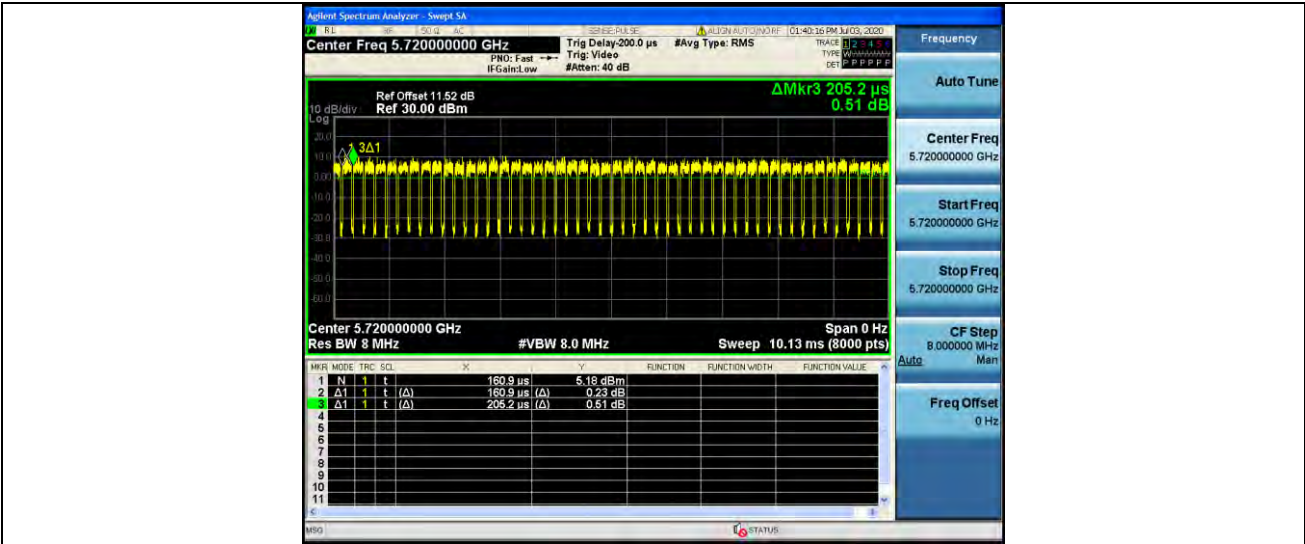
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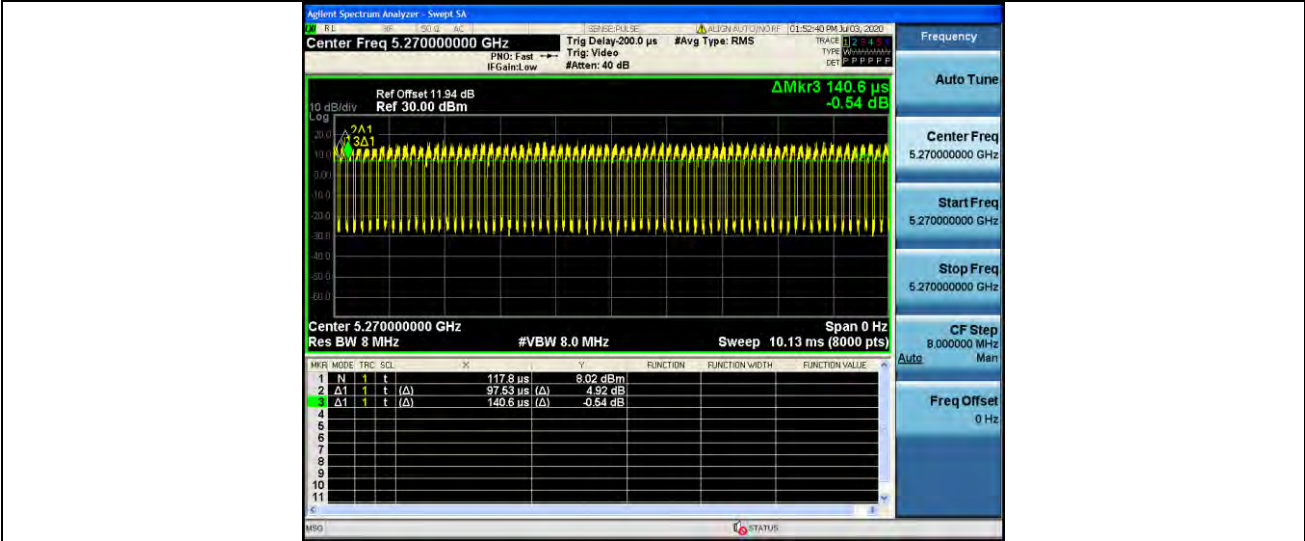
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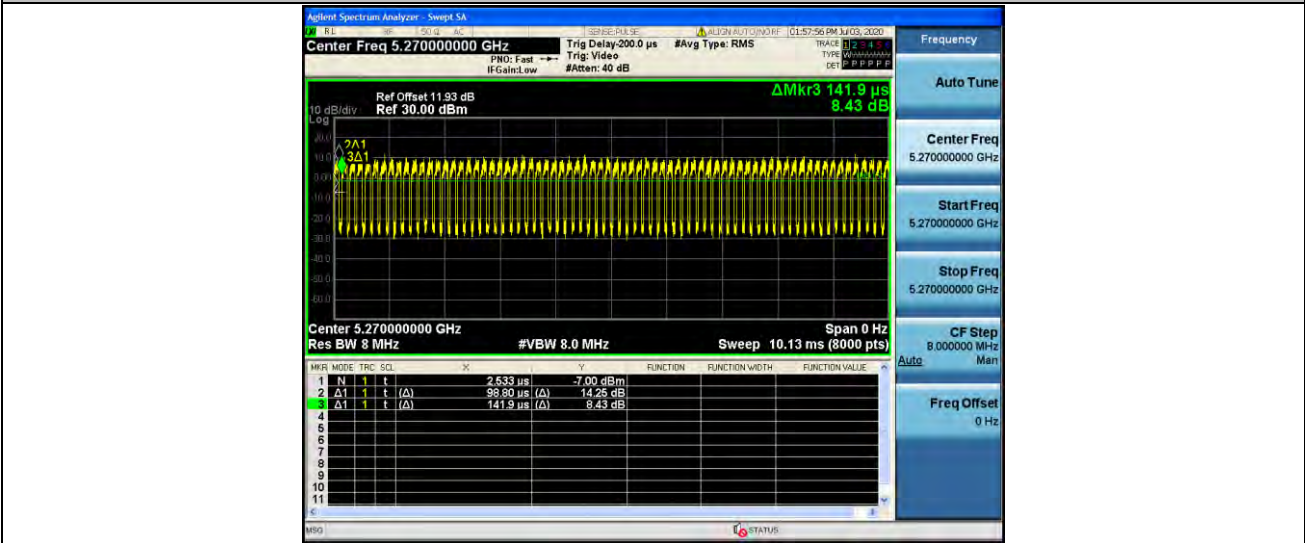
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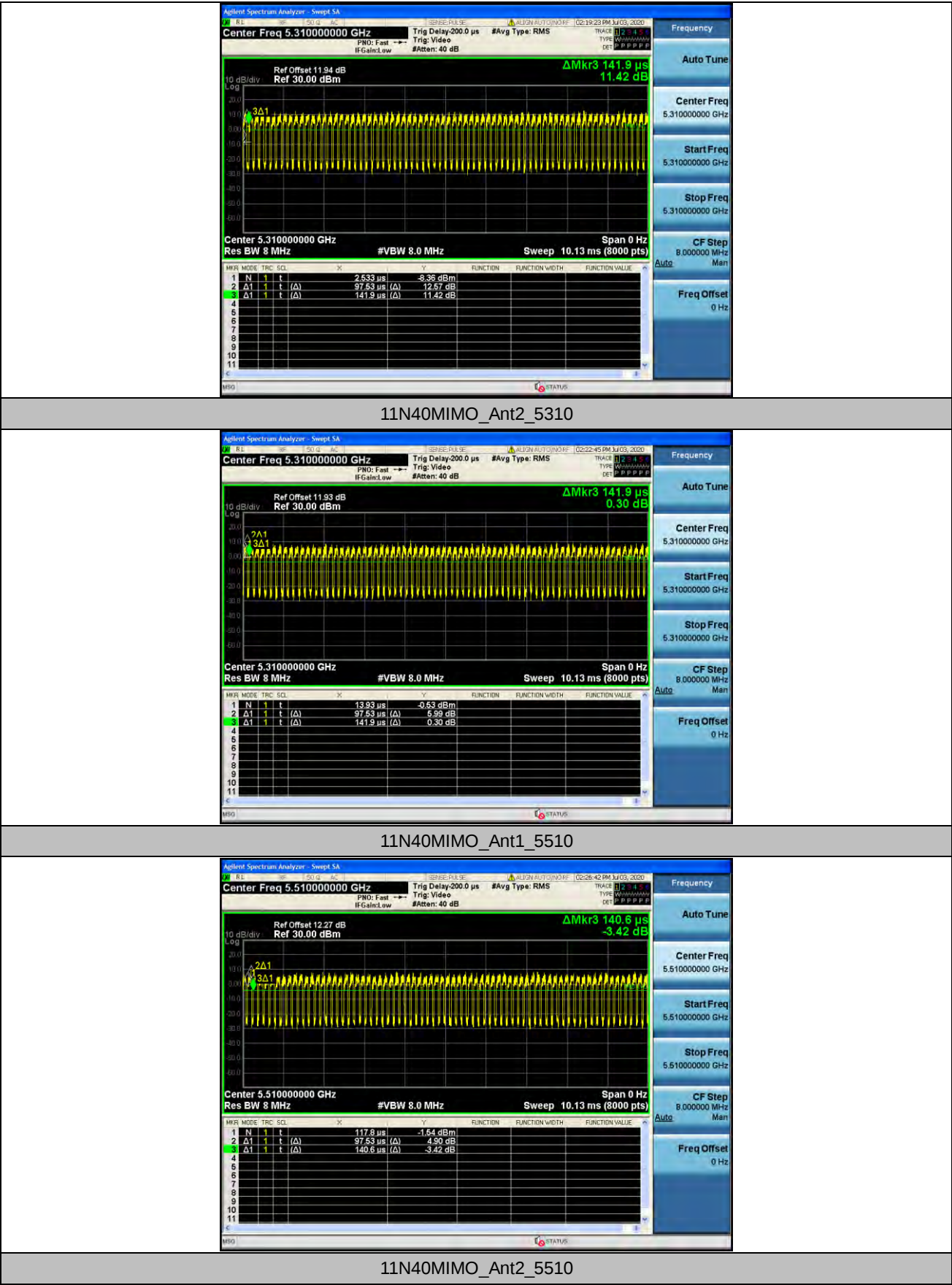
11N40MIMO\_Ant1\_5270

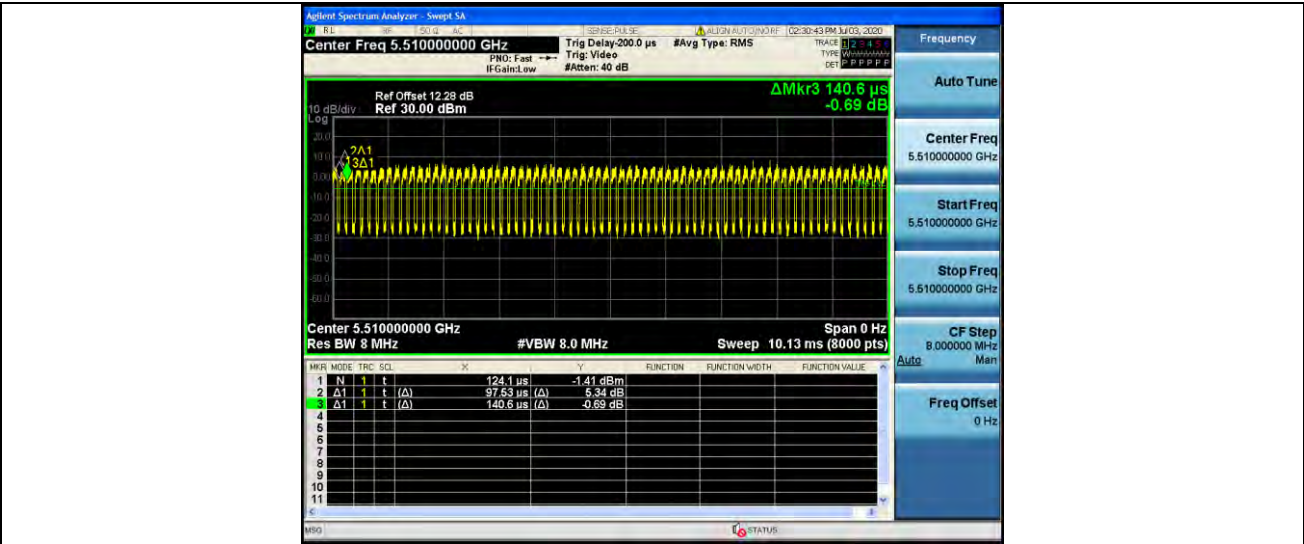


11N40MIMO\_Ant2\_5270

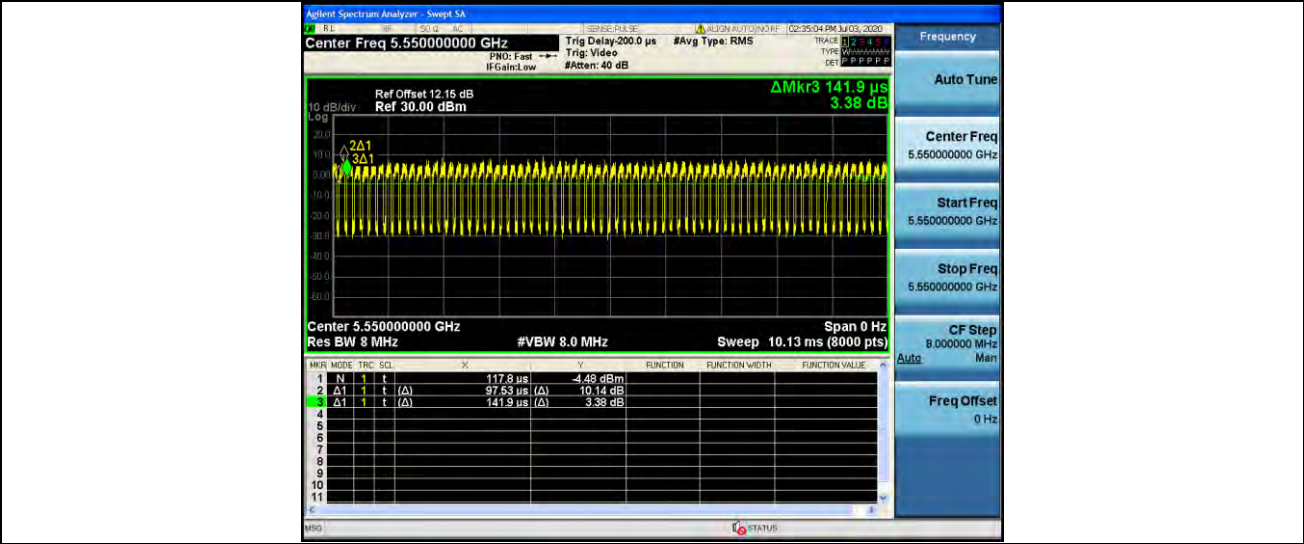


11N40MIMO\_Ant1\_5310

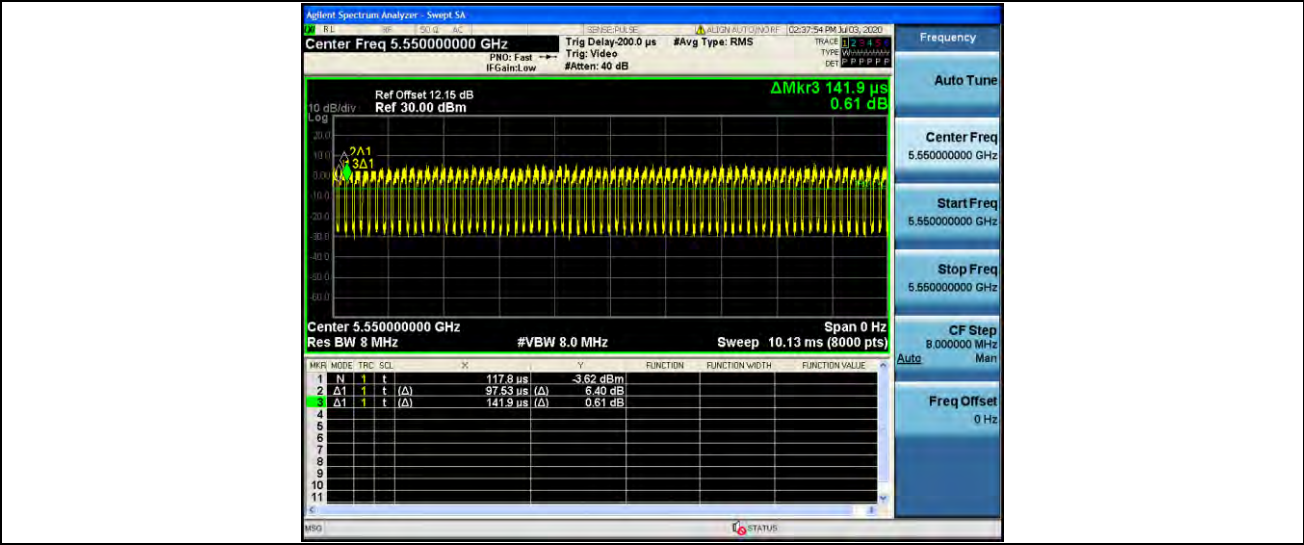




11N40MIMO\_Ant1\_5550



11N40MIMO\_Ant2\_5550



11N40MIMO\_Ant1\_5670