

## Appendix Test Data

|                  |                  |                    |             |
|------------------|------------------|--------------------|-------------|
| Report No.:      | 1812C50020712501 | Test Sample No.:   | 1-2-2       |
| Start Test Date: | 2025.1.15        | Finish Test Date:  | 2025.1.21   |
| Test Engineer:   | Hu Sen Guan      | Auditor:           | Justin Feng |
| Temperature:     | 22.3°C           | Relative Humidity: | 40%         |
| Pressure:        | 101kPa           |                    |             |

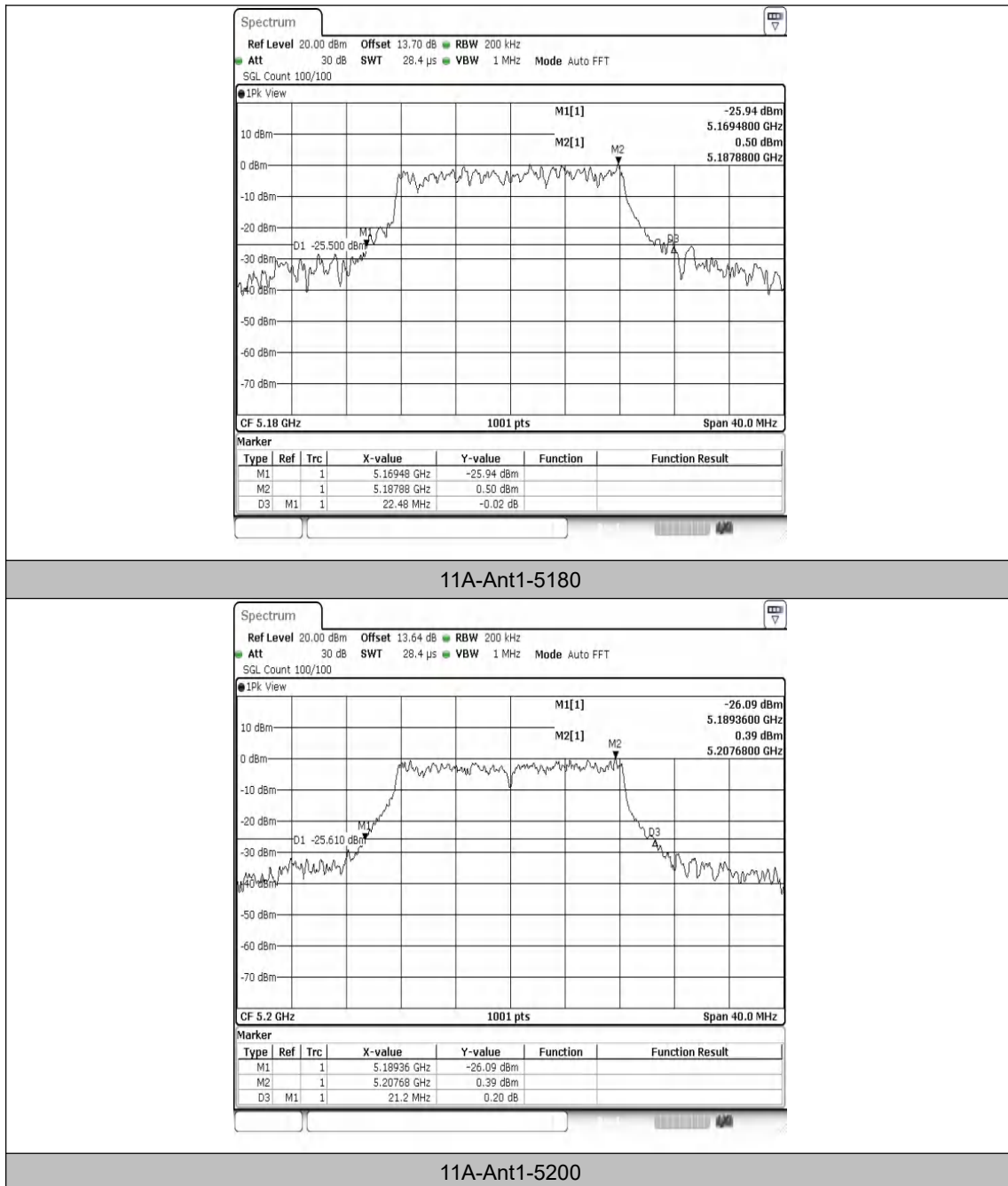
## Appendix A1: 26dB Bandwidth

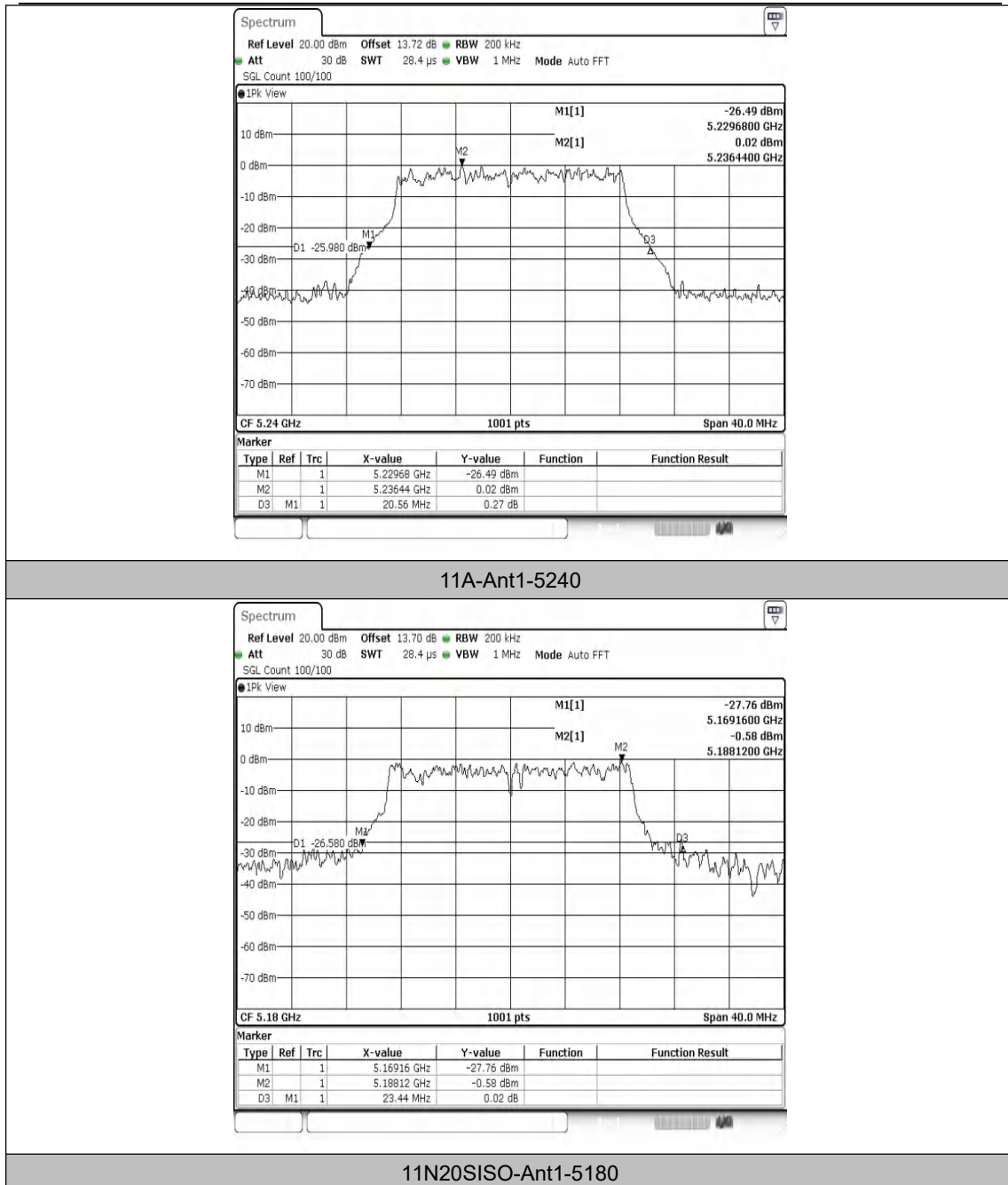
### Test Result

| Test Mode  | Antenna | Frequency[MHz] | 26db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|------------|---------|----------------|----------------|---------|---------|------------|---------|
| 11A        | Ant1    | 5180           | 22.48          | 5169.48 | 5191.96 | ---        | ---     |
| 11A        | Ant1    | 5200           | 21.20          | 5189.36 | 5210.56 | ---        | ---     |
| 11A        | Ant1    | 5240           | 20.56          | 5229.68 | 5250.24 | ---        | ---     |
| 11N20SISO  | Ant1    | 5180           | 23.44          | 5169.16 | 5192.60 | ---        | ---     |
| 11N20SISO  | Ant1    | 5200           | 20.96          | 5189.08 | 5210.04 | ---        | ---     |
| 11N20SISO  | Ant1    | 5240           | 20.20          | 5229.96 | 5250.16 | ---        | ---     |
| 11N40SISO  | Ant1    | 5190           | 39.84          | 5170.56 | 5210.40 | ---        | ---     |
| 11N40SISO  | Ant1    | 5230           | 39.28          | 5210.24 | 5249.52 | ---        | ---     |
| 11AC20SISO | Ant1    | 5180           | 22.36          | 5168.96 | 5191.32 | ---        | ---     |
| 11AC20SISO | Ant1    | 5200           | 21.24          | 5189.84 | 5211.08 | ---        | ---     |
| 11AC20SISO | Ant1    | 5240           | 21.16          | 5229.56 | 5250.72 | ---        | ---     |
| 11AC40SISO | Ant1    | 5190           | 39.76          | 5170.16 | 5209.92 | ---        | ---     |
| 11AC40SISO | Ant1    | 5230           | 39.28          | 5210.56 | 5249.84 | ---        | ---     |
| 11AC80SISO | Ant1    | 5210           | 79.20          | 5170.16 | 5249.36 | ---        | ---     |



## Test Graphs

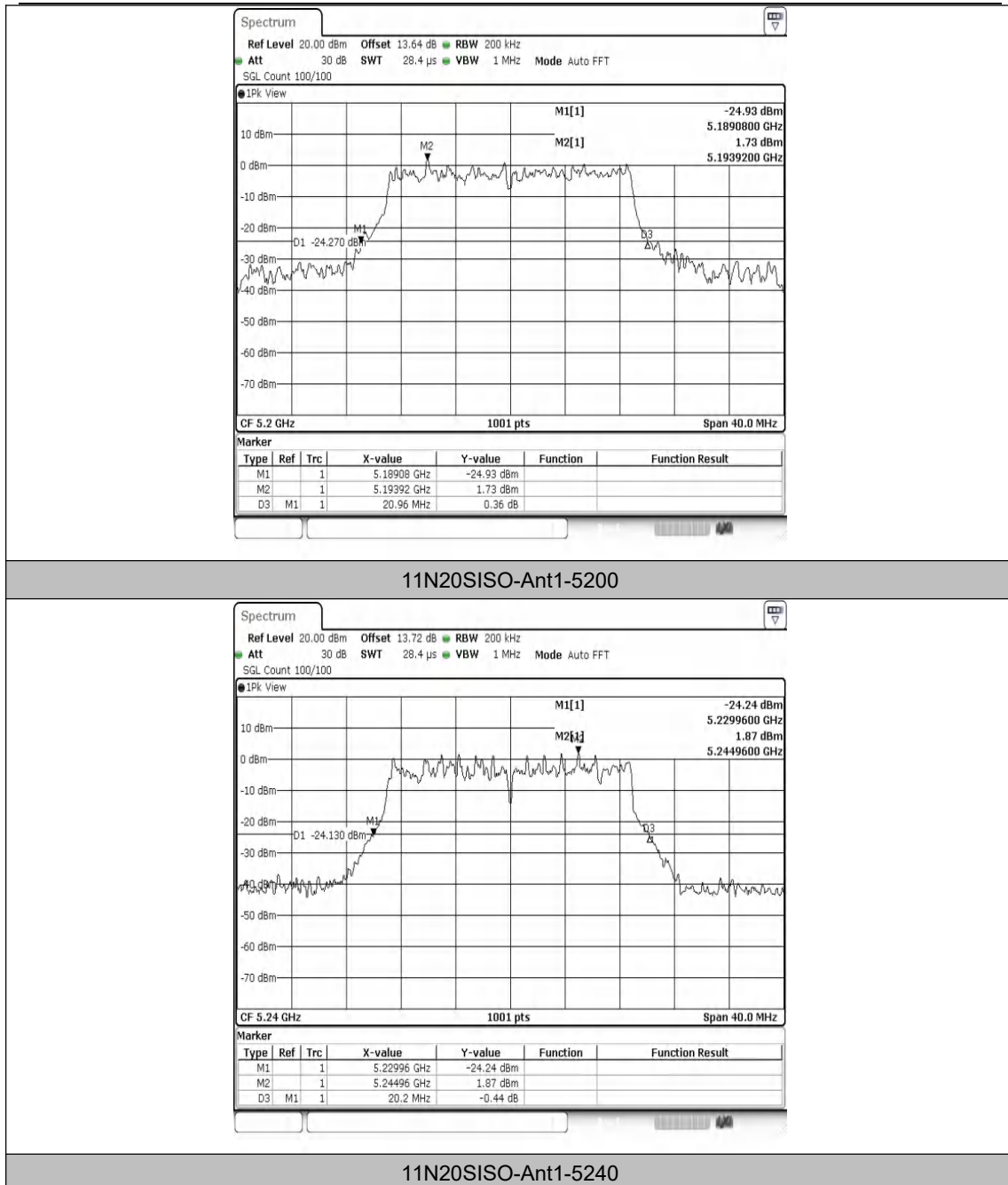


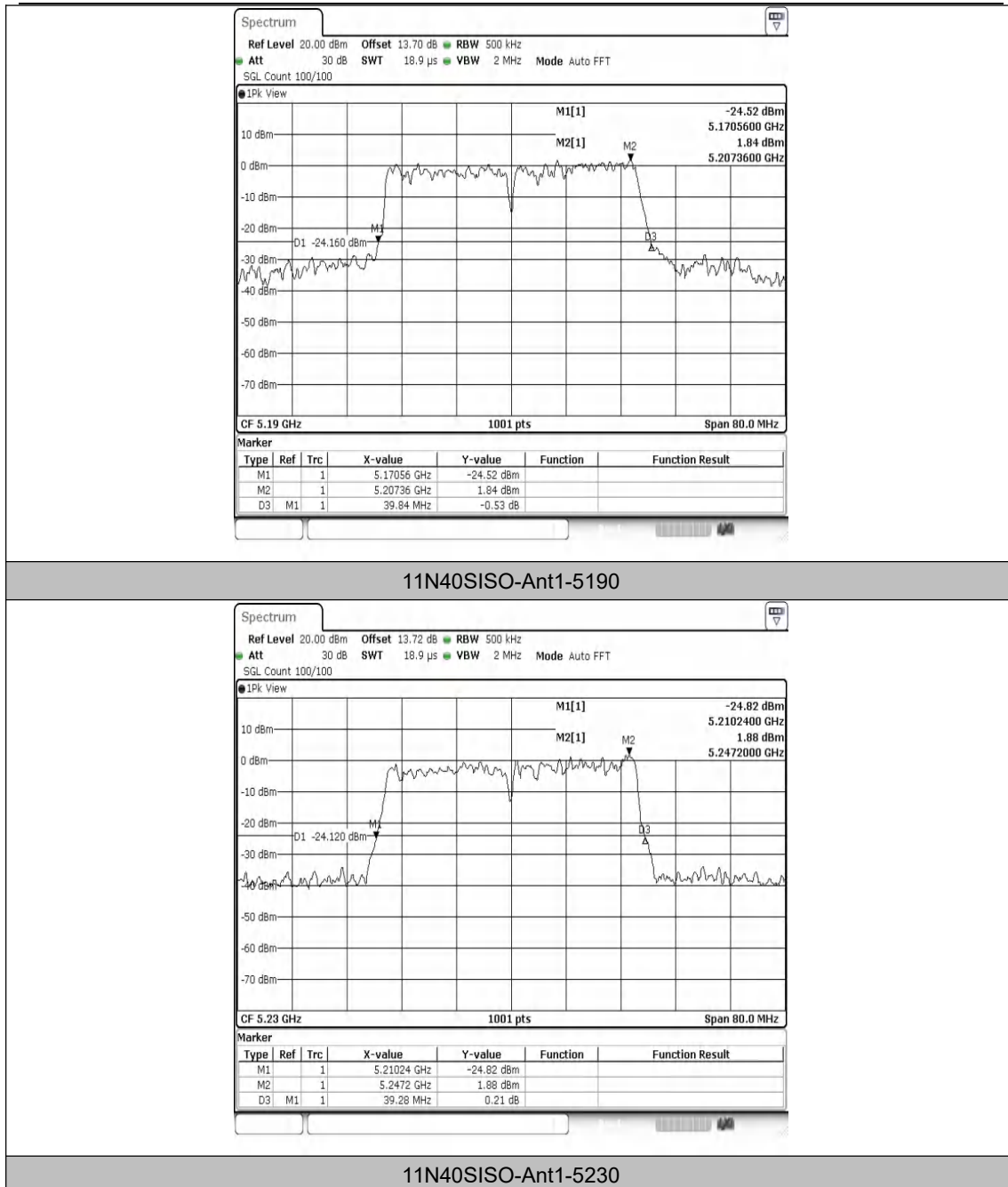


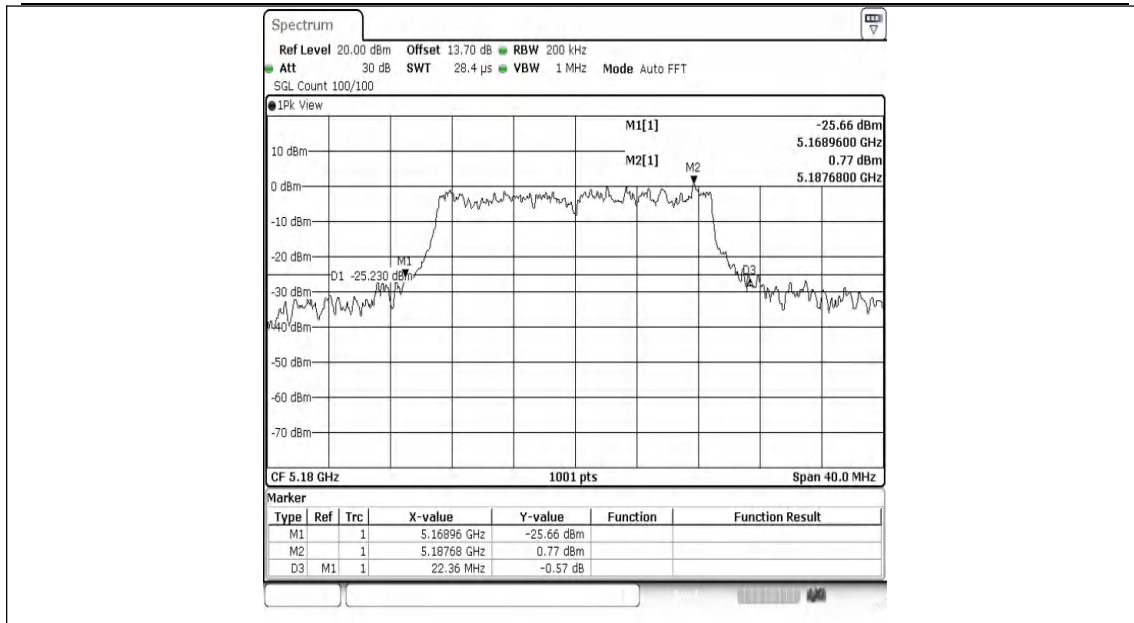
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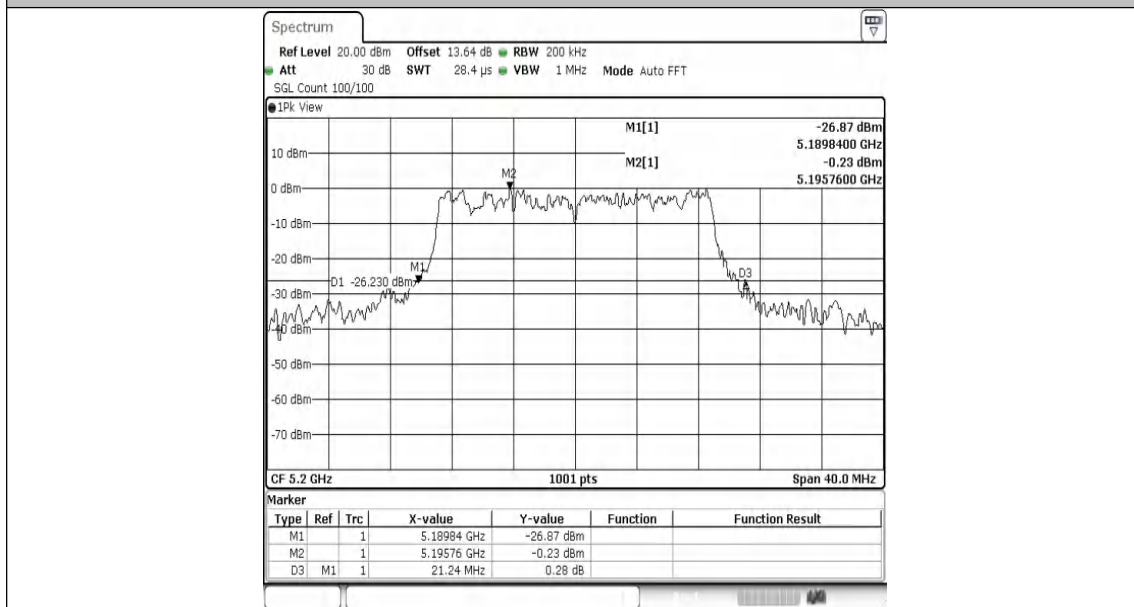
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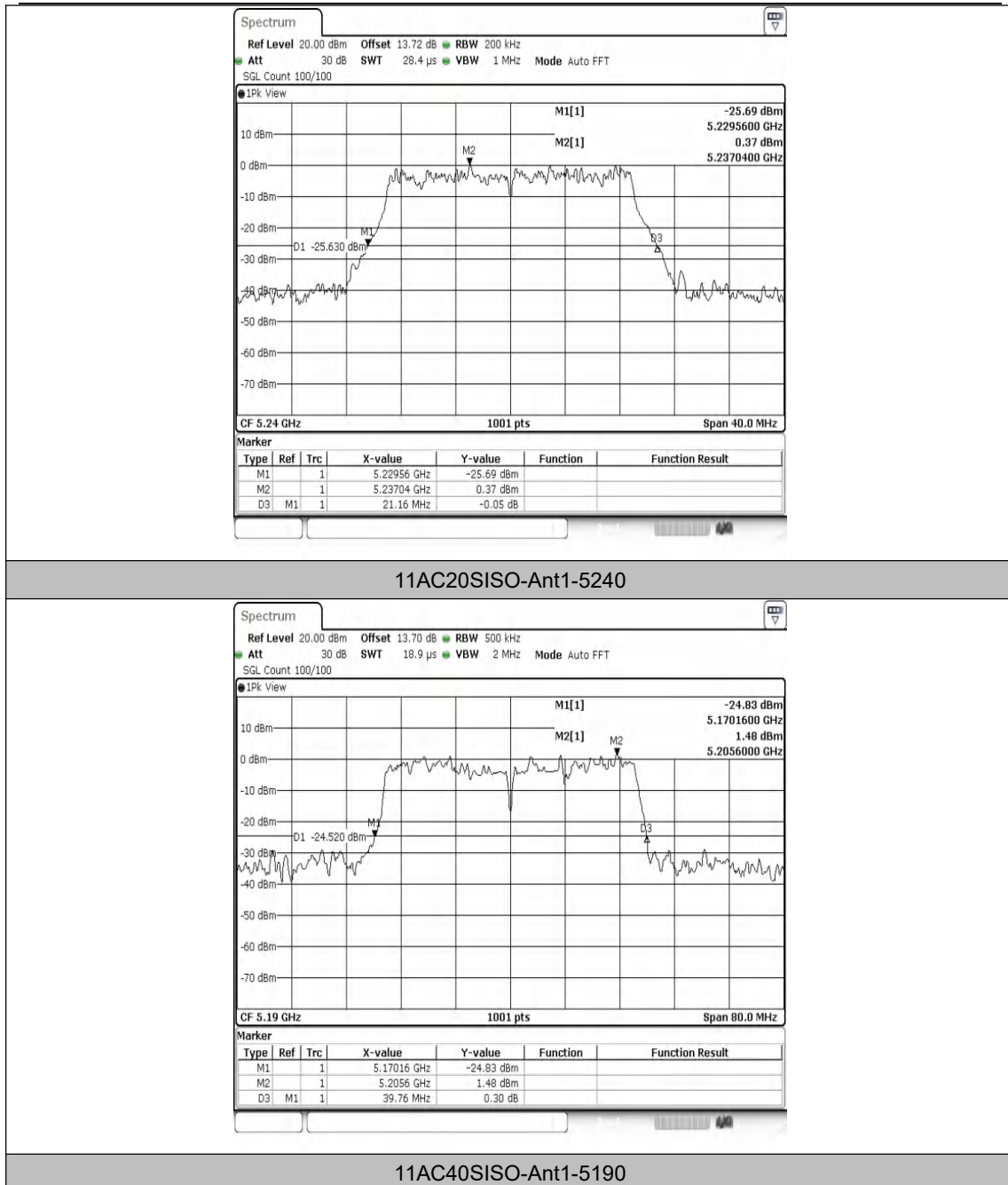




11AC20SISO-Ant1-5180



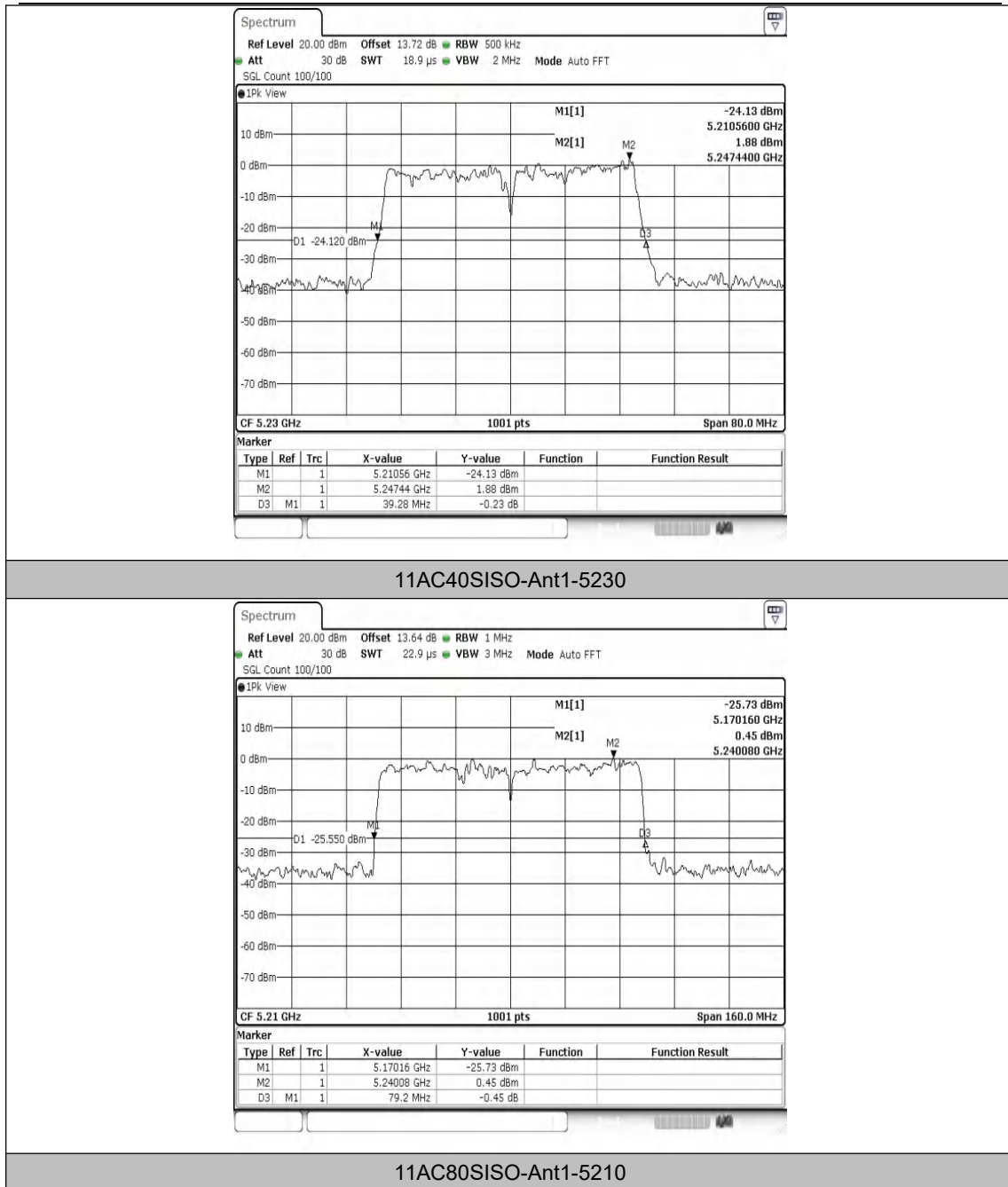
11AC20SISO-Ant1-5200



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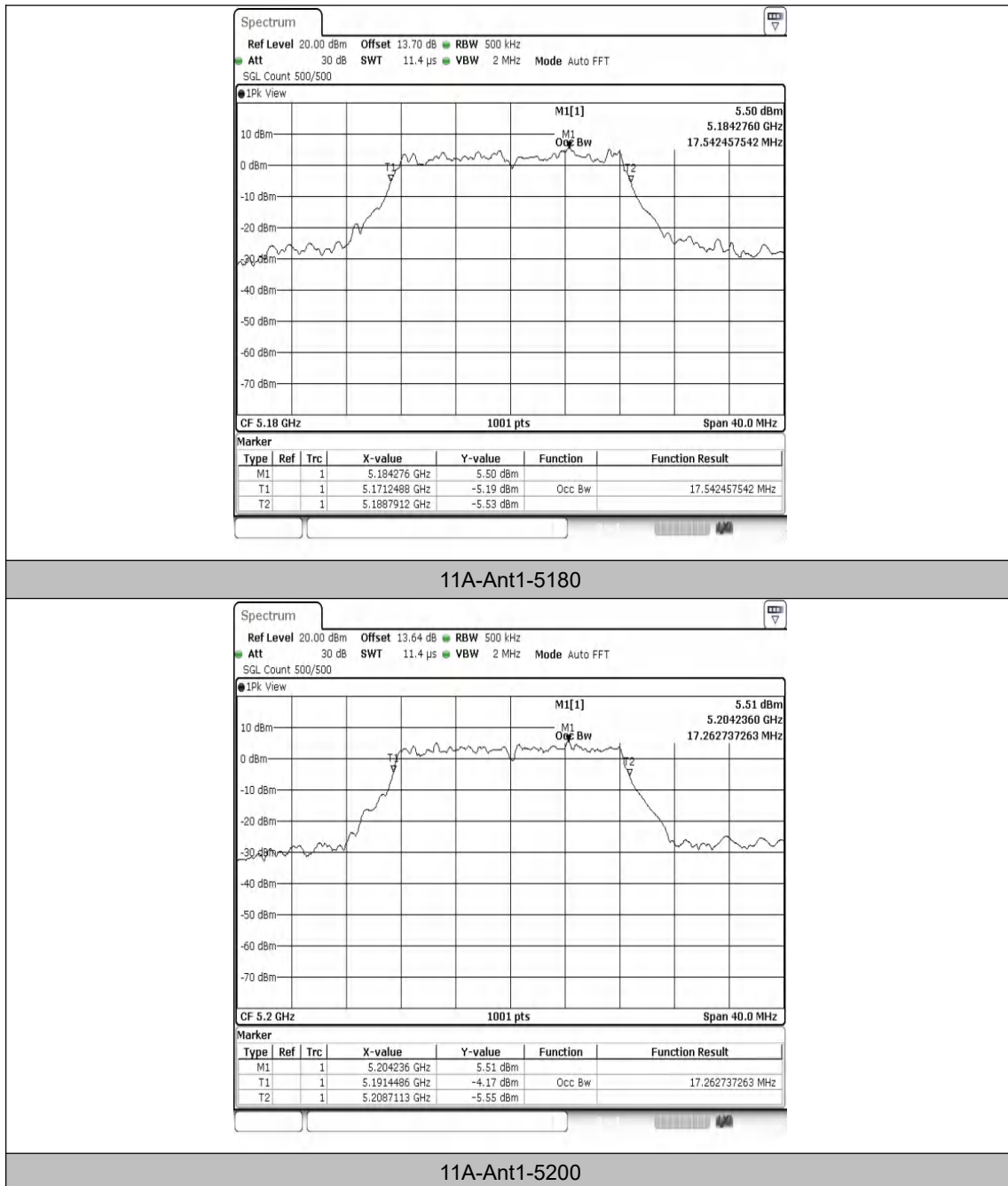
## Appendix A2: 99% Occupied Bandwidth

### Test Result

| Test Mode  | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|------------|---------|----------------|-----------|-----------|-----------|------------|---------|
| 11A        | Ant1    | 5180           | 17.542    | 5171.2488 | 5188.7912 | ---        | ---     |
| 11A        | Ant1    | 5200           | 17.263    | 5191.4486 | 5208.7113 | ---        | ---     |
| 11A        | Ant1    | 5240           | 18.102    | 5230.8092 | 5248.9111 | ---        | ---     |
| 11N20SISO  | Ant1    | 5180           | 18.501    | 5170.8092 | 5189.3107 | ---        | ---     |
| 11N20SISO  | Ant1    | 5200           | 18.462    | 5190.5694 | 5209.0310 | ---        | ---     |
| 11N20SISO  | Ant1    | 5240           | 18.102    | 5230.8092 | 5248.9111 | ---        | ---     |
| 11N40SISO  | Ant1    | 5190           | 37.003    | 5171.7782 | 5208.7812 | ---        | ---     |
| 11N40SISO  | Ant1    | 5230           | 37.003    | 5211.4585 | 5248.4615 | ---        | ---     |
| 11AC20SISO | Ant1    | 5180           | 18.222    | 5170.9291 | 5189.1508 | ---        | ---     |
| 11AC20SISO | Ant1    | 5200           | 18.462    | 5190.8492 | 5209.3107 | ---        | ---     |
| 11AC20SISO | Ant1    | 5240           | 18.741    | 5230.5295 | 5249.2707 | ---        | ---     |
| 11AC40SISO | Ant1    | 5190           | 36.603    | 5171.6983 | 5208.3017 | ---        | ---     |
| 11AC40SISO | Ant1    | 5230           | 37.003    | 5211.7782 | 5248.7812 | ---        | ---     |
| 11AC80SISO | Ant1    | 5210           | 76.244    | 5171.9580 | 5248.2018 | ---        | ---     |



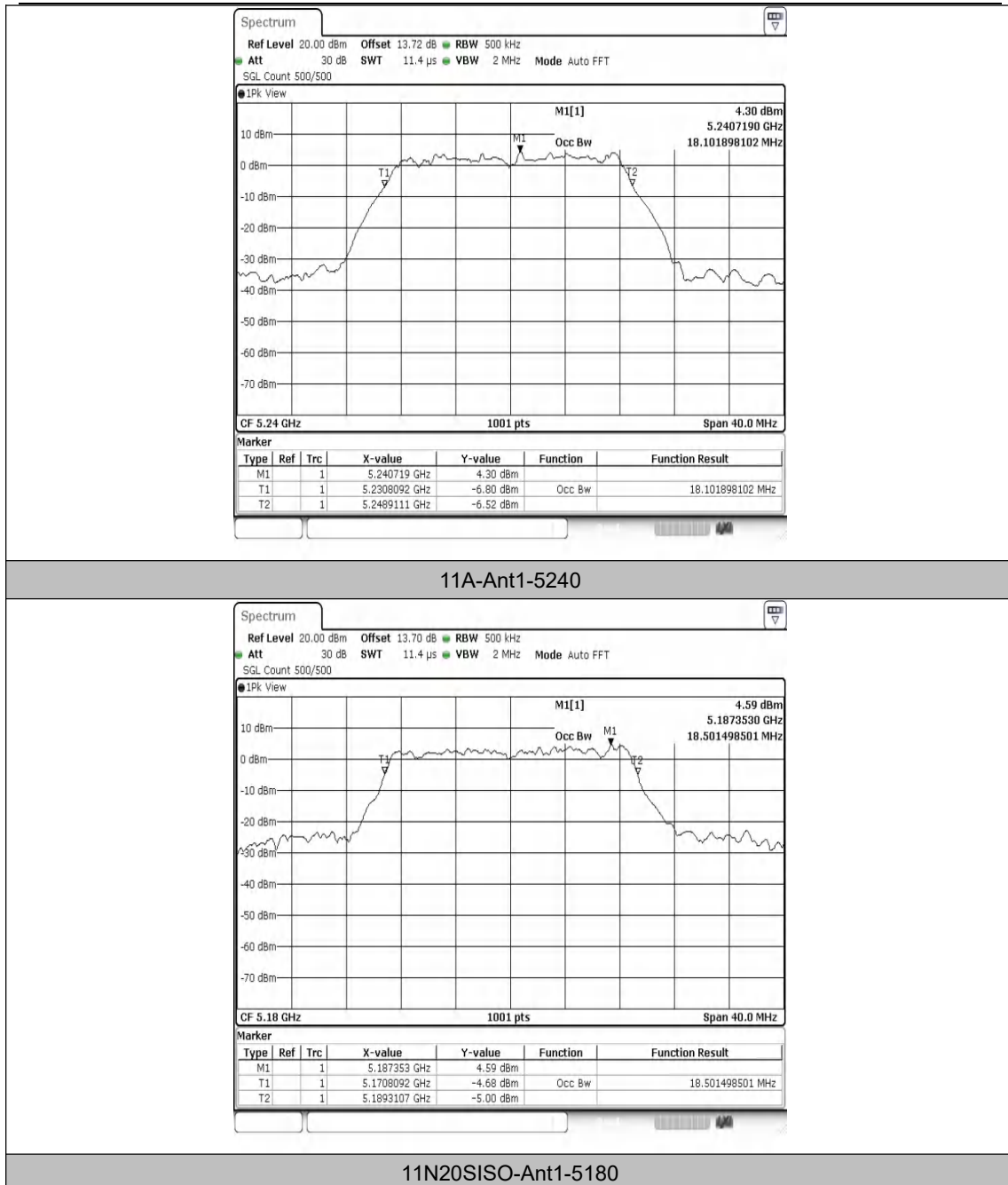
## Test Graphs

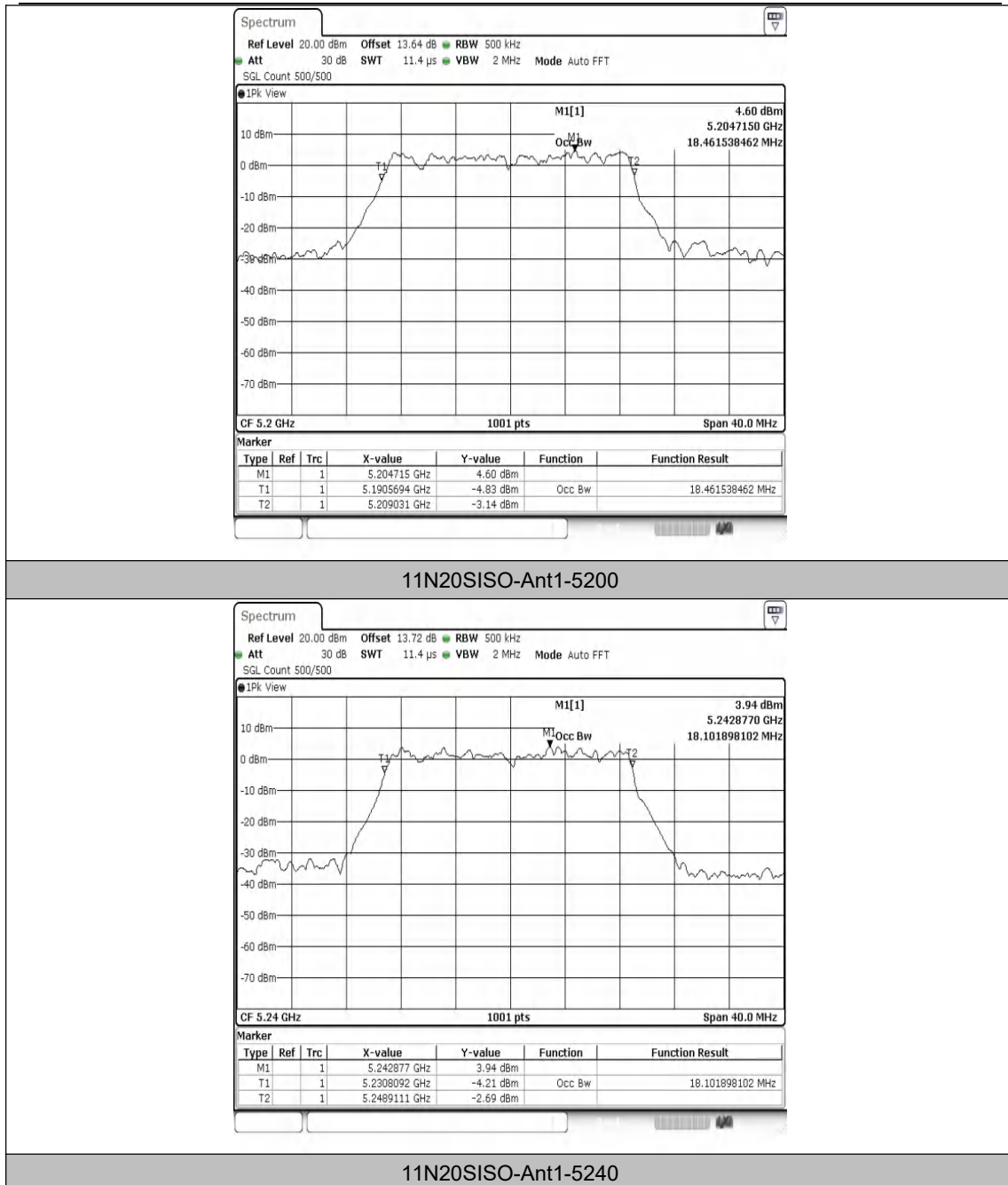


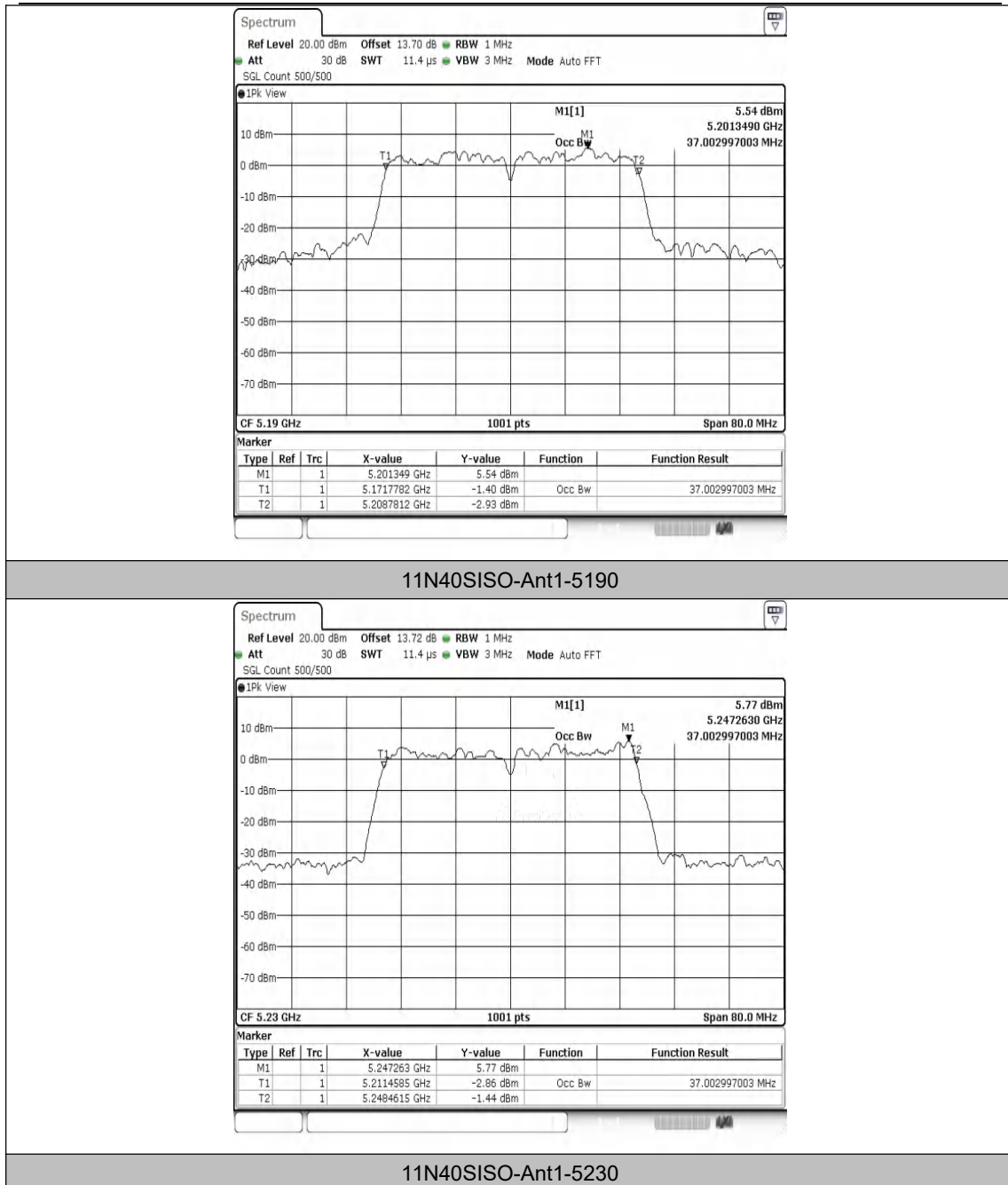
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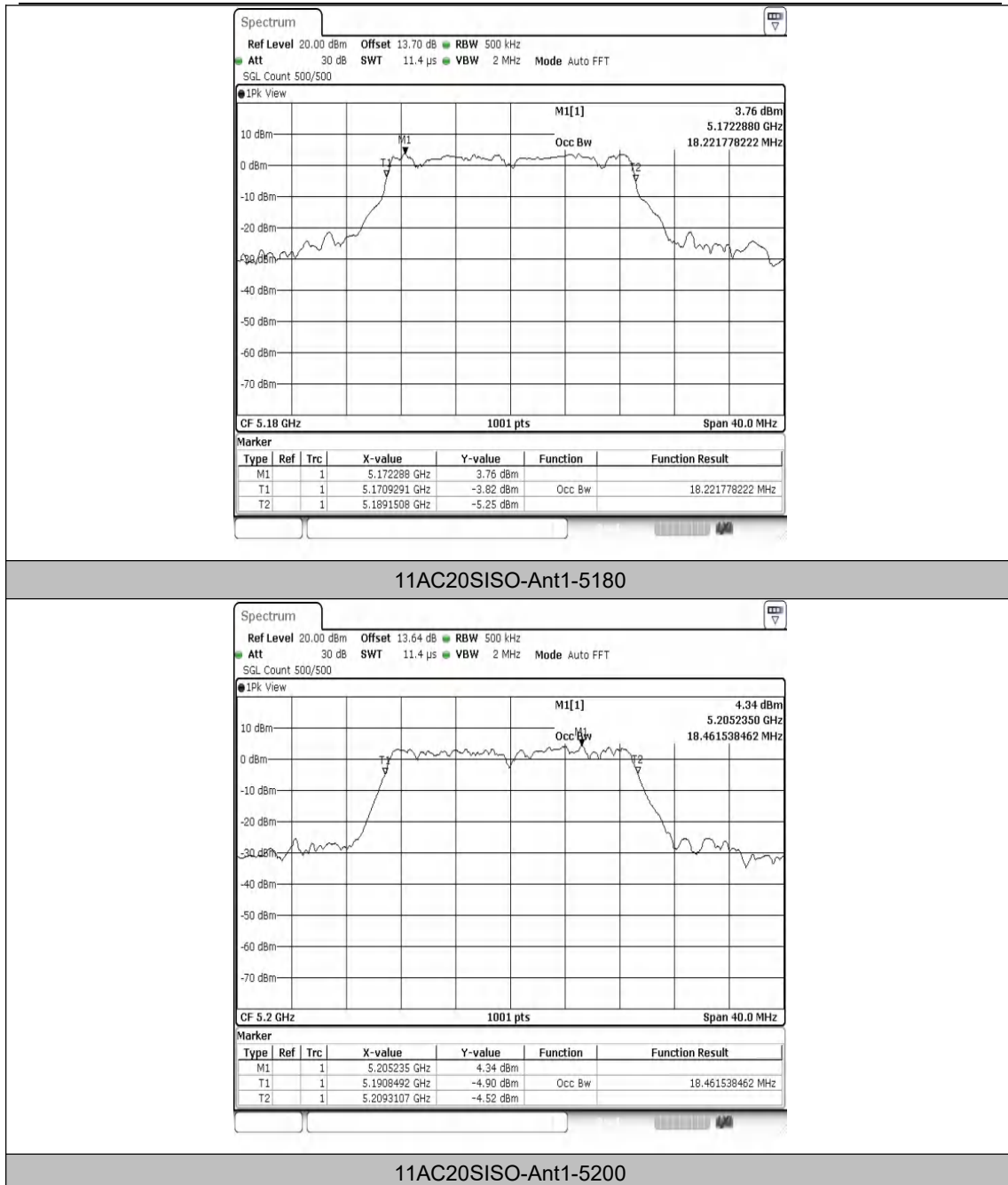
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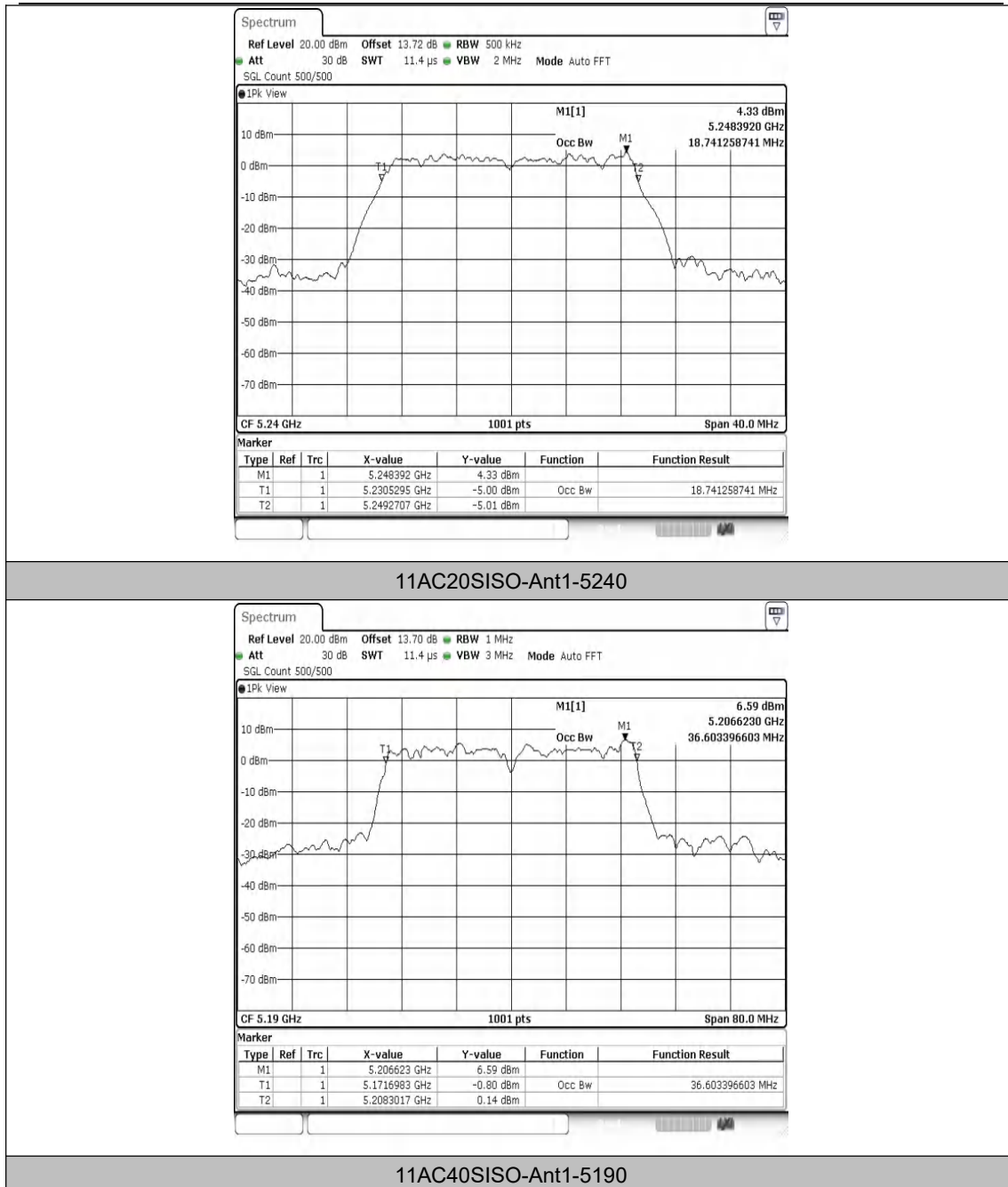
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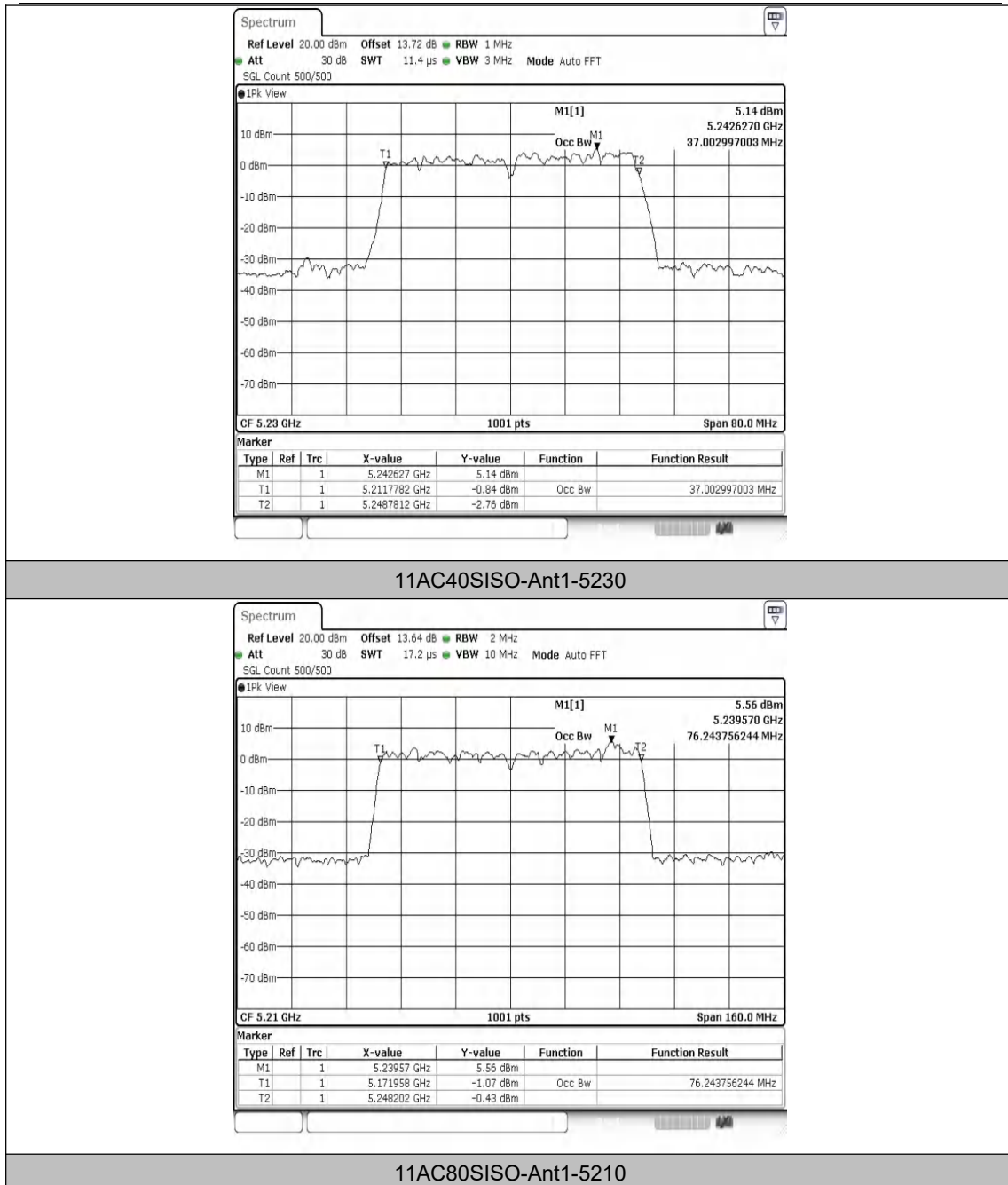




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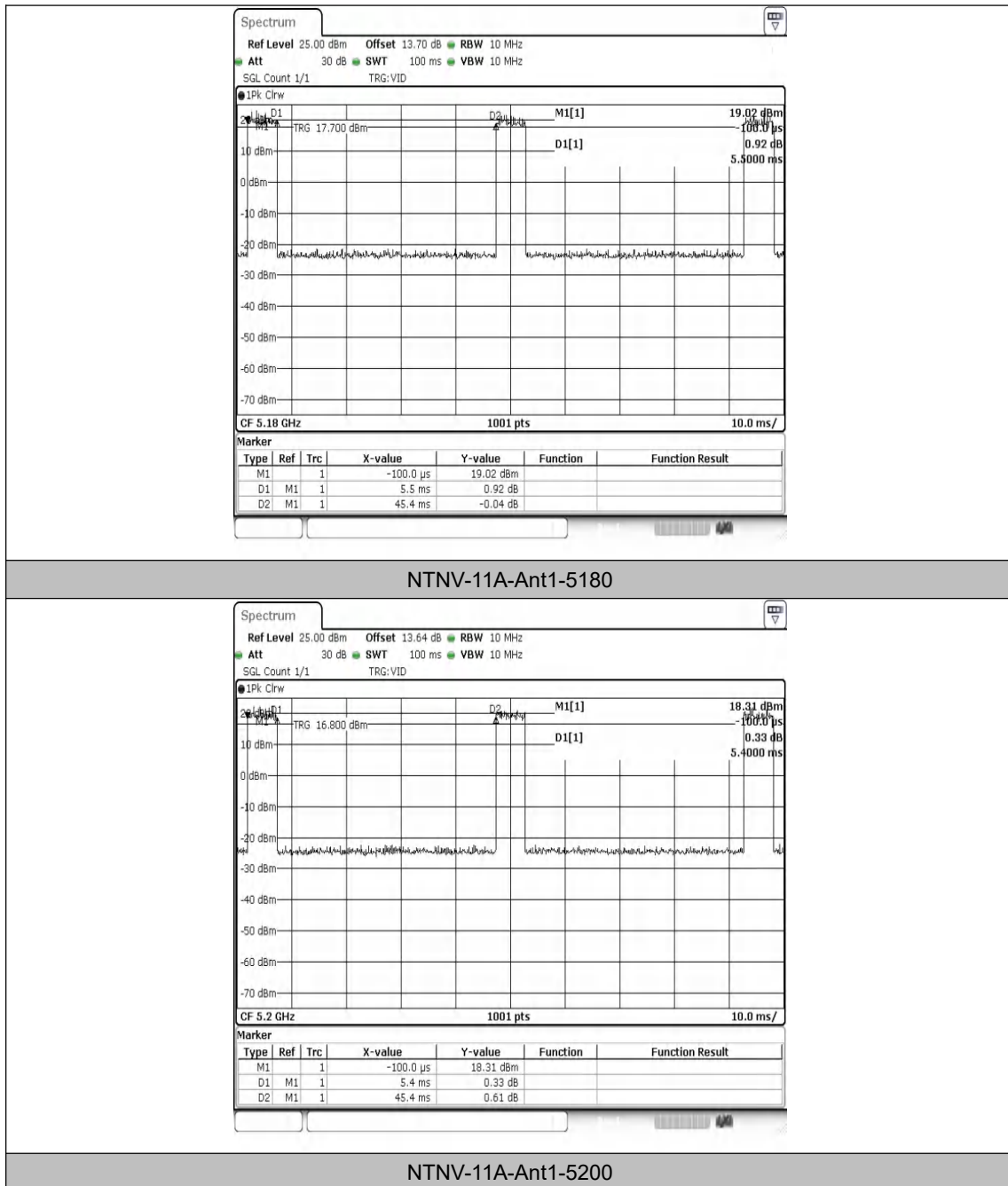
## Appendix B: Duty Cycle

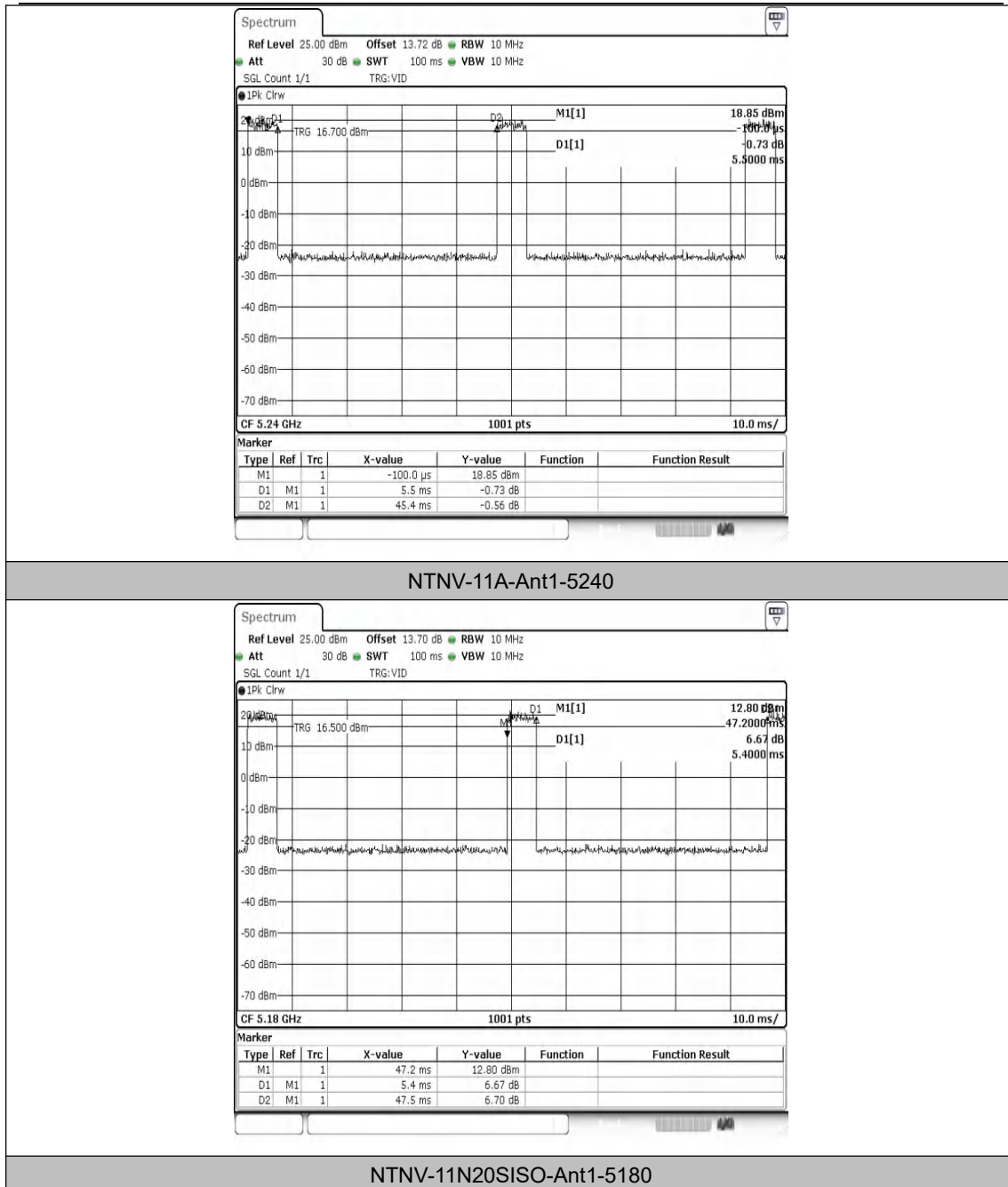
### Test Result

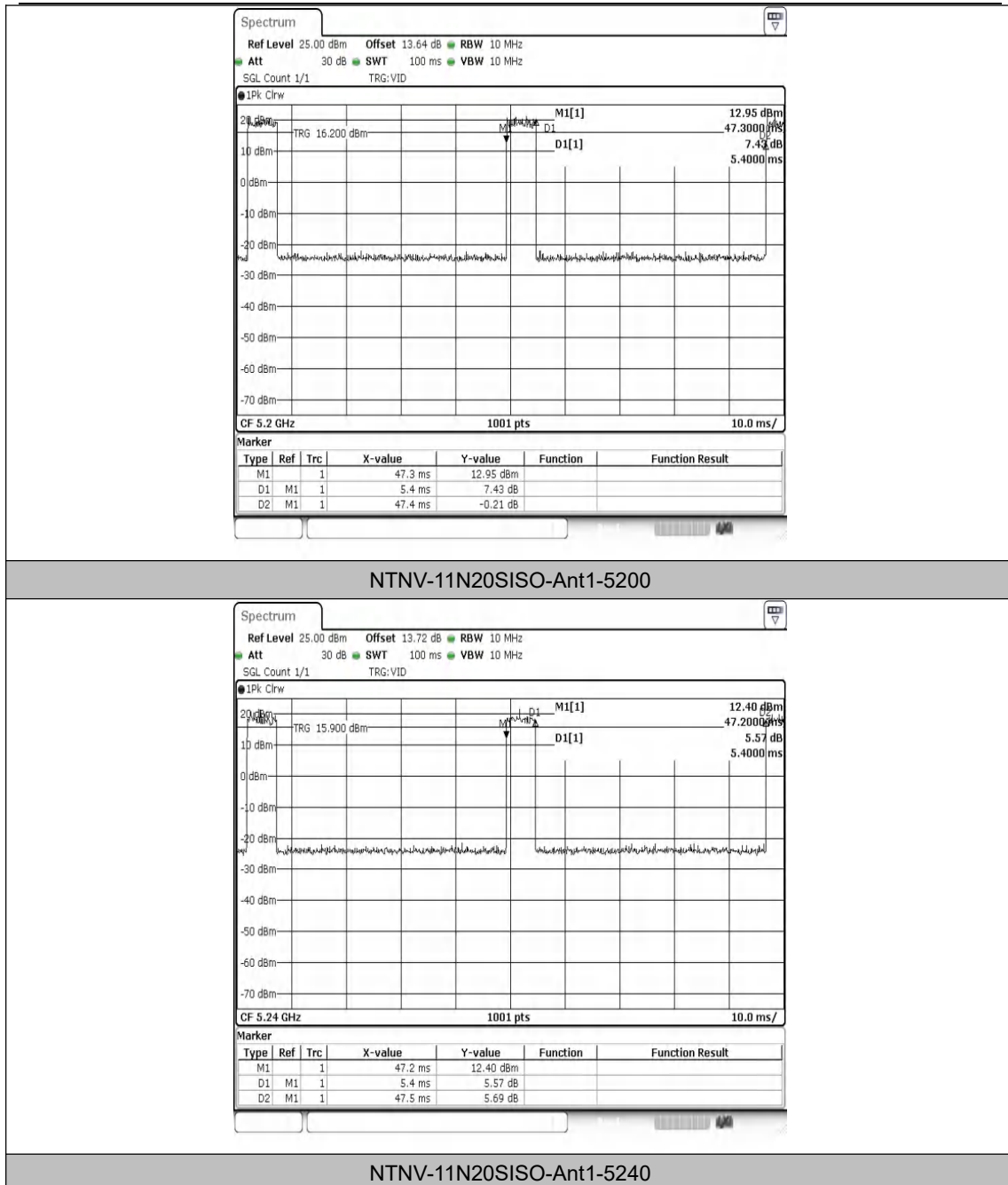
| Test Mode  | Antenna | Frequency[MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Dc Factor [dB] | 1/T  |
|------------|---------|----------------|----------------------------|--------------------------|----------------|----------------|------|
| 11A        | Ant1    | 5180           | 5.50                       | 45.40                    | 12.11          | 9.17           | 0.18 |
| 11A        | Ant1    | 5200           | 5.40                       | 45.40                    | 11.89          | 9.25           | 0.19 |
| 11A        | Ant1    | 5240           | 5.50                       | 45.40                    | 12.11          | 9.17           | 0.18 |
| 11N20SISO  | Ant1    | 5180           | 5.40                       | 47.50                    | 11.37          | 9.44           | 0.19 |
| 11N20SISO  | Ant1    | 5200           | 5.40                       | 47.40                    | 11.39          | 9.43           | 0.19 |
| 11N20SISO  | Ant1    | 5240           | 5.40                       | 47.50                    | 11.37          | 9.44           | 0.19 |
| 11N40SISO  | Ant1    | 5190           | 5.10                       | 43.50                    | 11.72          | 9.31           | 0.20 |
| 11N40SISO  | Ant1    | 5230           | 5.20                       | 47.40                    | 10.97          | 9.60           | 0.19 |
| 11AC20SISO | Ant1    | 5180           | 5.40                       | 47.40                    | 11.39          | 9.43           | 0.19 |
| 11AC20SISO | Ant1    | 5200           | 5.30                       | 47.40                    | 11.18          | 9.52           | 0.19 |
| 11AC20SISO | Ant1    | 5240           | 5.40                       | 47.40                    | 11.39          | 9.43           | 0.19 |
| 11AC40SISO | Ant1    | 5190           | 5.10                       | 47.40                    | 10.76          | 9.68           | 0.20 |
| 11AC40SISO | Ant1    | 5230           | 5.20                       | 47.40                    | 10.97          | 9.60           | 0.19 |
| 11AC80SISO | Ant1    | 5210           | 4.70                       | 47.40                    | 9.92           | 10.03          | 0.21 |

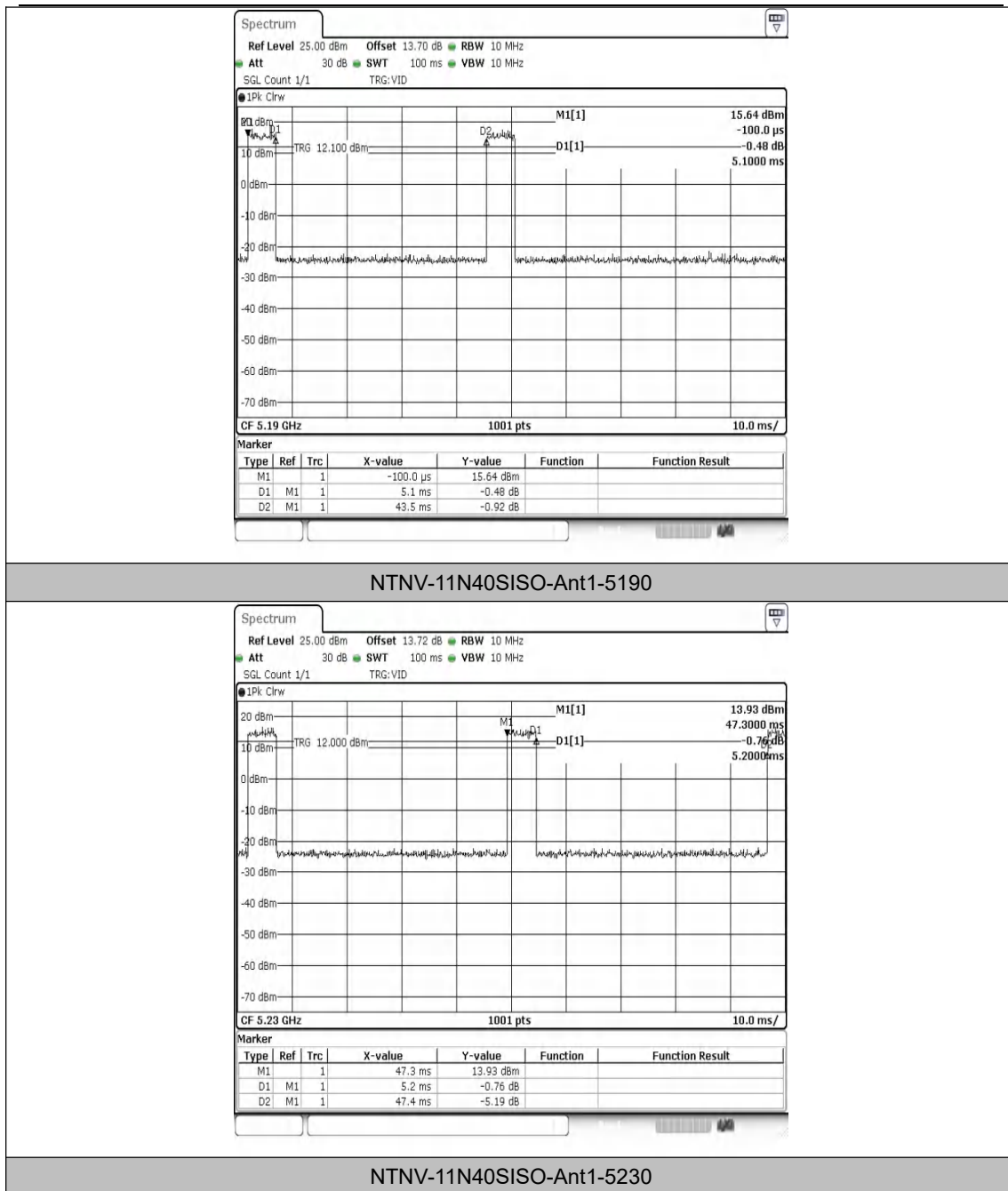


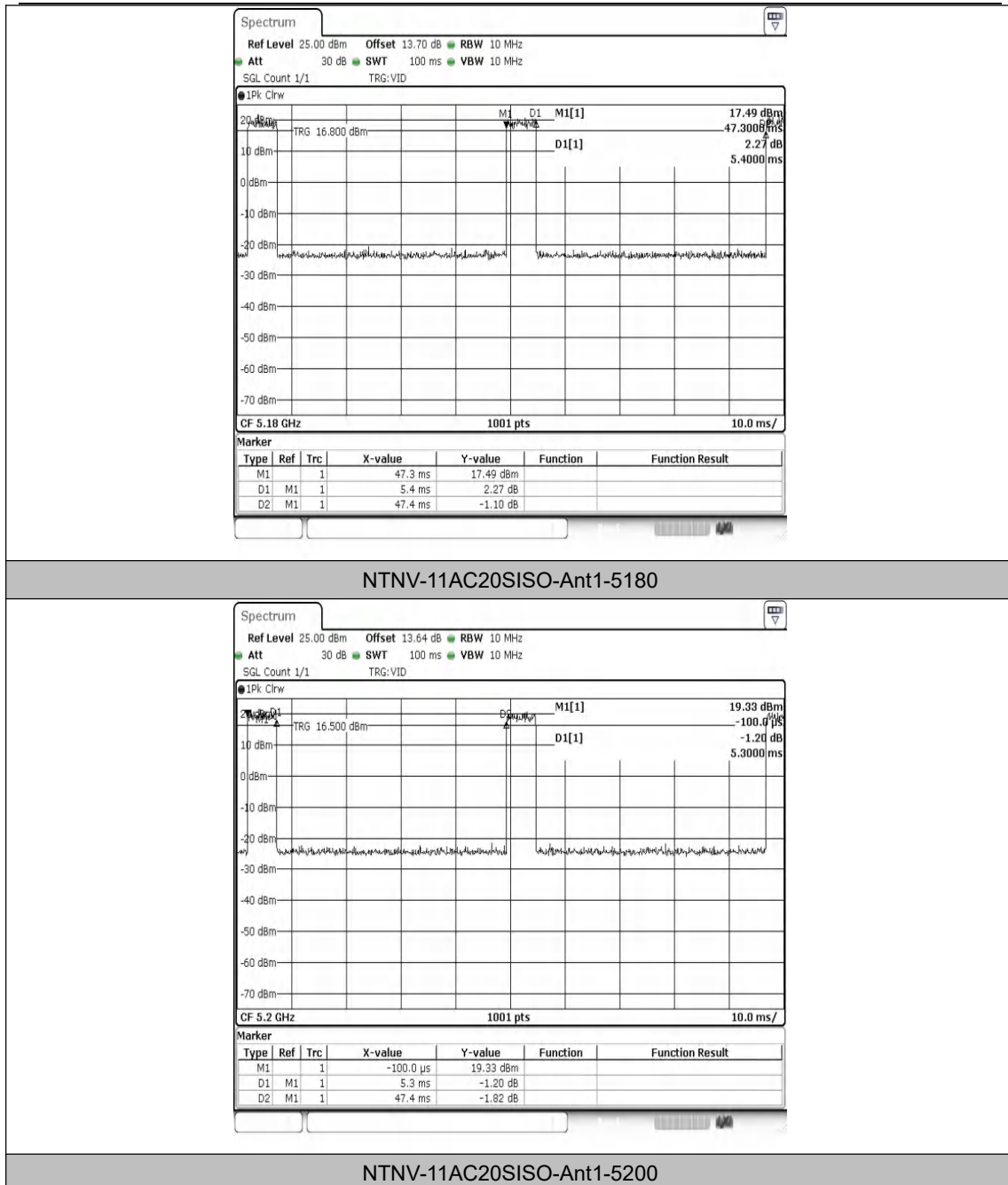
## Test Graphs

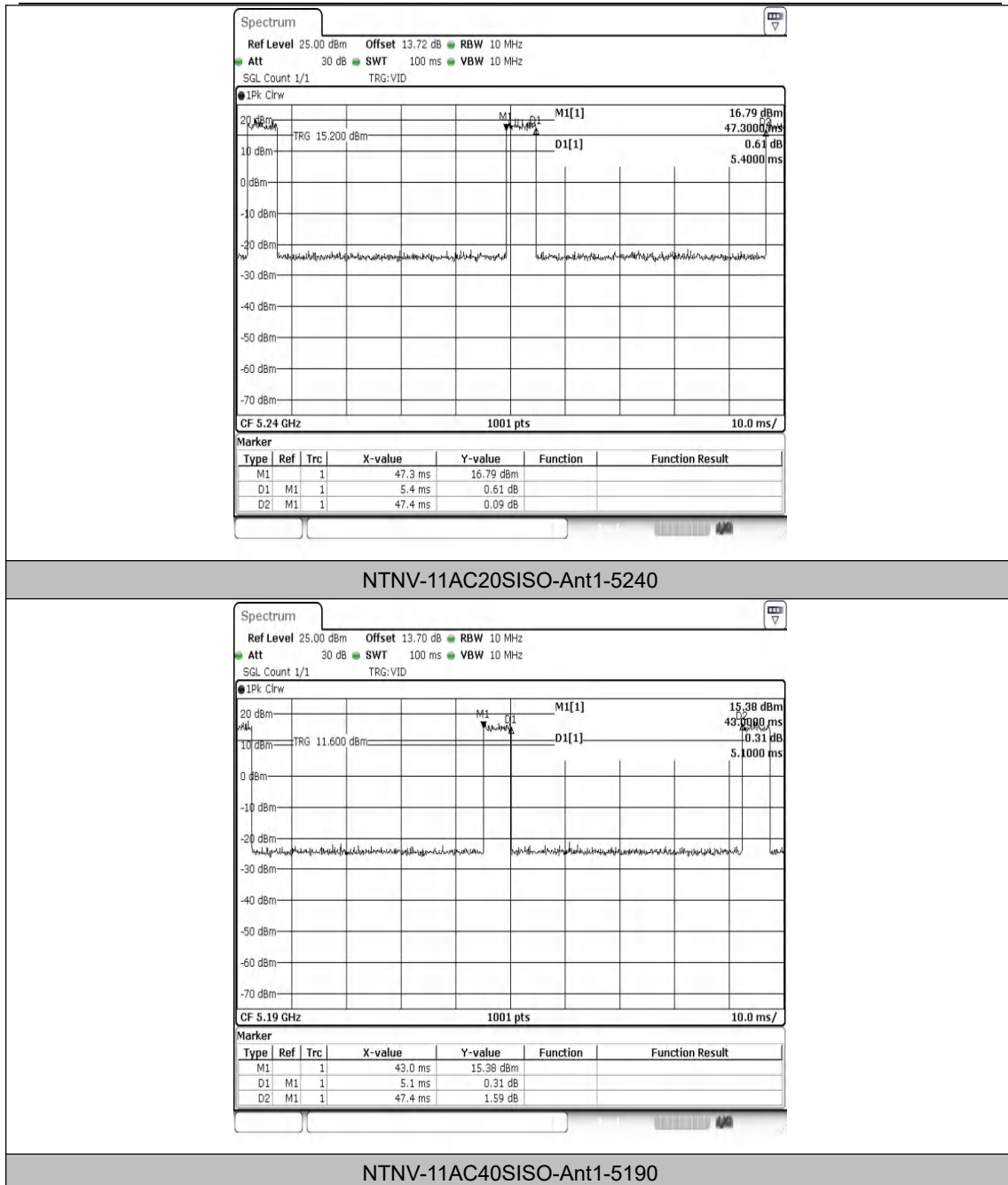


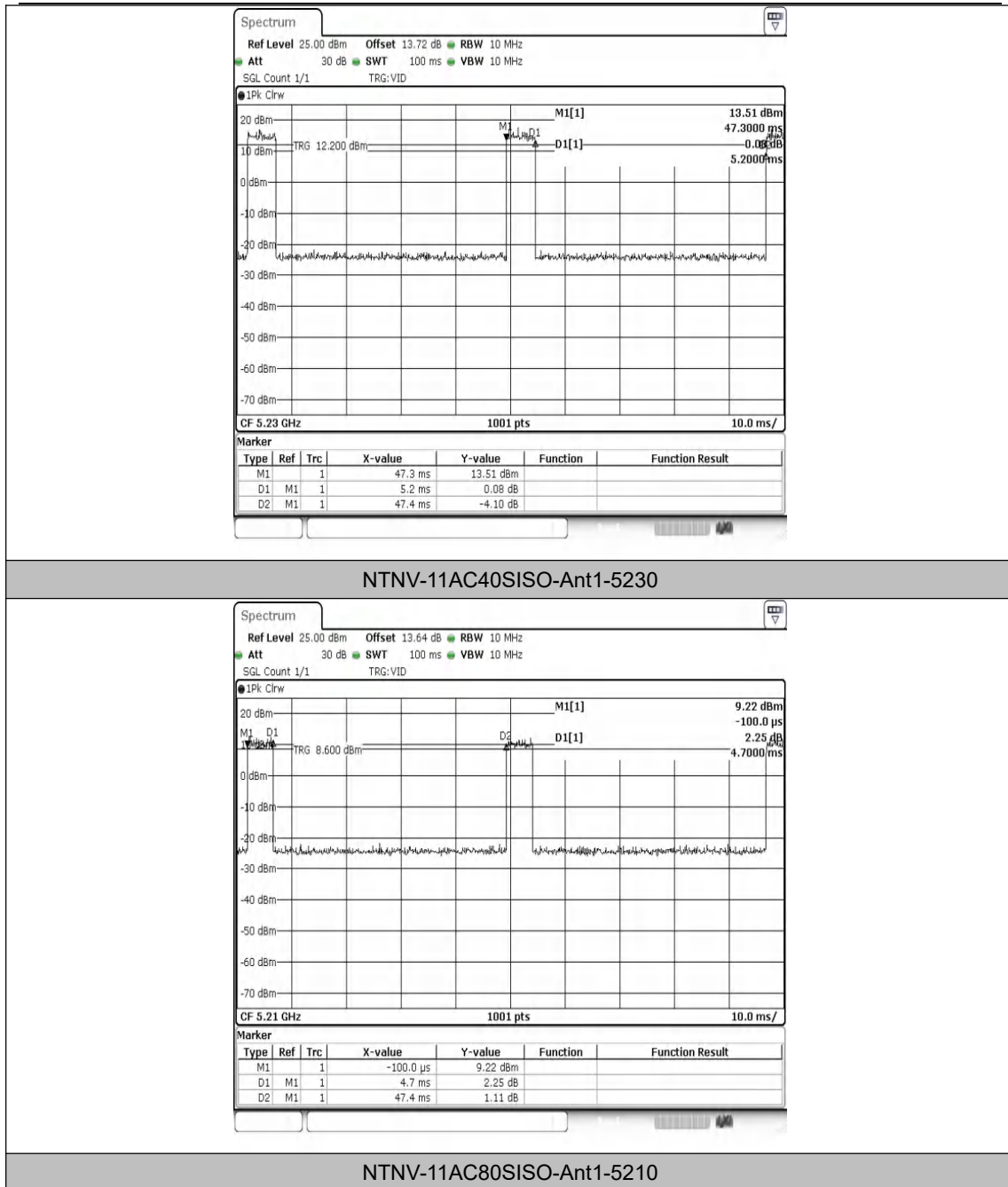












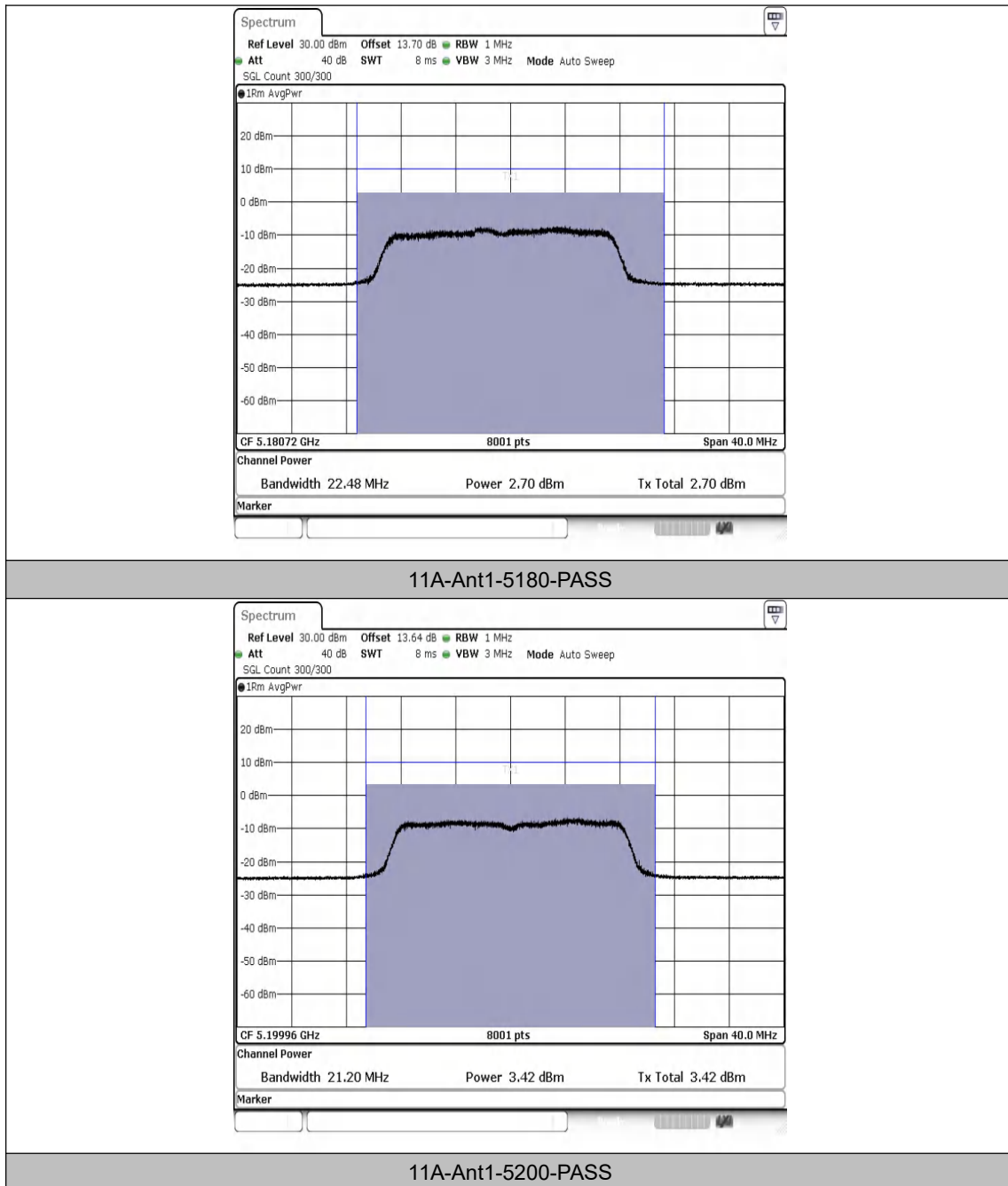
## Appendix C: Maximum Conducted Output Power

### Test Result Channel Power

| Test Mode  | Antenna | Frequency[MHz] | Channel Power [dBm] | Duty Cycle [%] | DC Factor [dB] | Result [dBm] | Limit [dBm] | Verdict |
|------------|---------|----------------|---------------------|----------------|----------------|--------------|-------------|---------|
| 11A        | Ant1    | 5180           | 2.70                | 12.11          | 9.17           | 11.87        | ≤23.98      | PASS    |
| 11A        | Ant1    | 5200           | 3.42                | 11.89          | 9.25           | 12.67        | ≤23.98      | PASS    |
| 11A        | Ant1    | 5240           | 3.72                | 12.11          | 9.17           | 12.89        | ≤23.98      | PASS    |
| 11N20SISO  | Ant1    | 5180           | 2.31                | 11.37          | 9.44           | 11.75        | ≤23.98      | PASS    |
| 11N20SISO  | Ant1    | 5200           | 3.55                | 11.39          | 9.43           | 12.98        | ≤23.98      | PASS    |
| 11N20SISO  | Ant1    | 5240           | 2.87                | 11.37          | 9.44           | 12.31        | ≤23.98      | PASS    |
| 11N40SISO  | Ant1    | 5190           | 3.48                | 11.72          | 9.31           | 12.79        | ≤23.98      | PASS    |
| 11N40SISO  | Ant1    | 5230           | 1.17                | 10.97          | 9.60           | 10.77        | ≤23.98      | PASS    |
| 11AC20SISO | Ant1    | 5180           | 3.98                | 11.39          | 9.43           | 13.41        | ≤23.98      | PASS    |
| 11AC20SISO | Ant1    | 5200           | 4.69                | 11.18          | 9.52           | <b>14.21</b> | ≤23.98      | PASS    |
| 11AC20SISO | Ant1    | 5240           | 2.87                | 11.39          | 9.43           | 12.30        | ≤23.98      | PASS    |
| 11AC40SISO | Ant1    | 5190           | 2.94                | 10.76          | 9.68           | 12.62        | ≤23.98      | PASS    |
| 11AC40SISO | Ant1    | 5230           | 1.69                | 10.97          | 9.60           | 11.29        | ≤23.98      | PASS    |
| 11AC80SISO | Ant1    | 5210           | 1.53                | 9.92           | 10.03          | 11.56        | ≤23.98      | PASS    |

Note: 1.The cable loss are compensated in the graph.

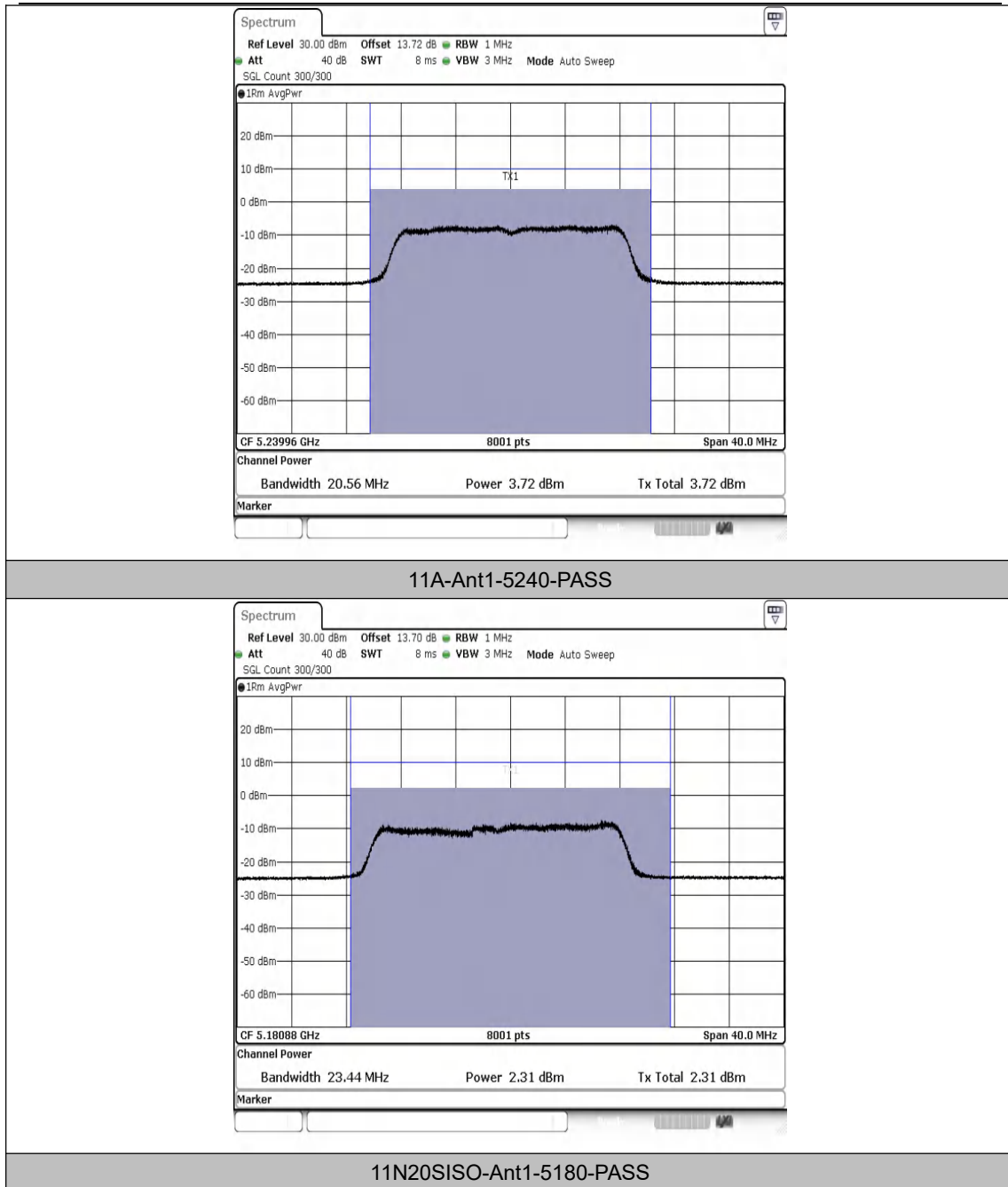
## Test Graphs Channel Power

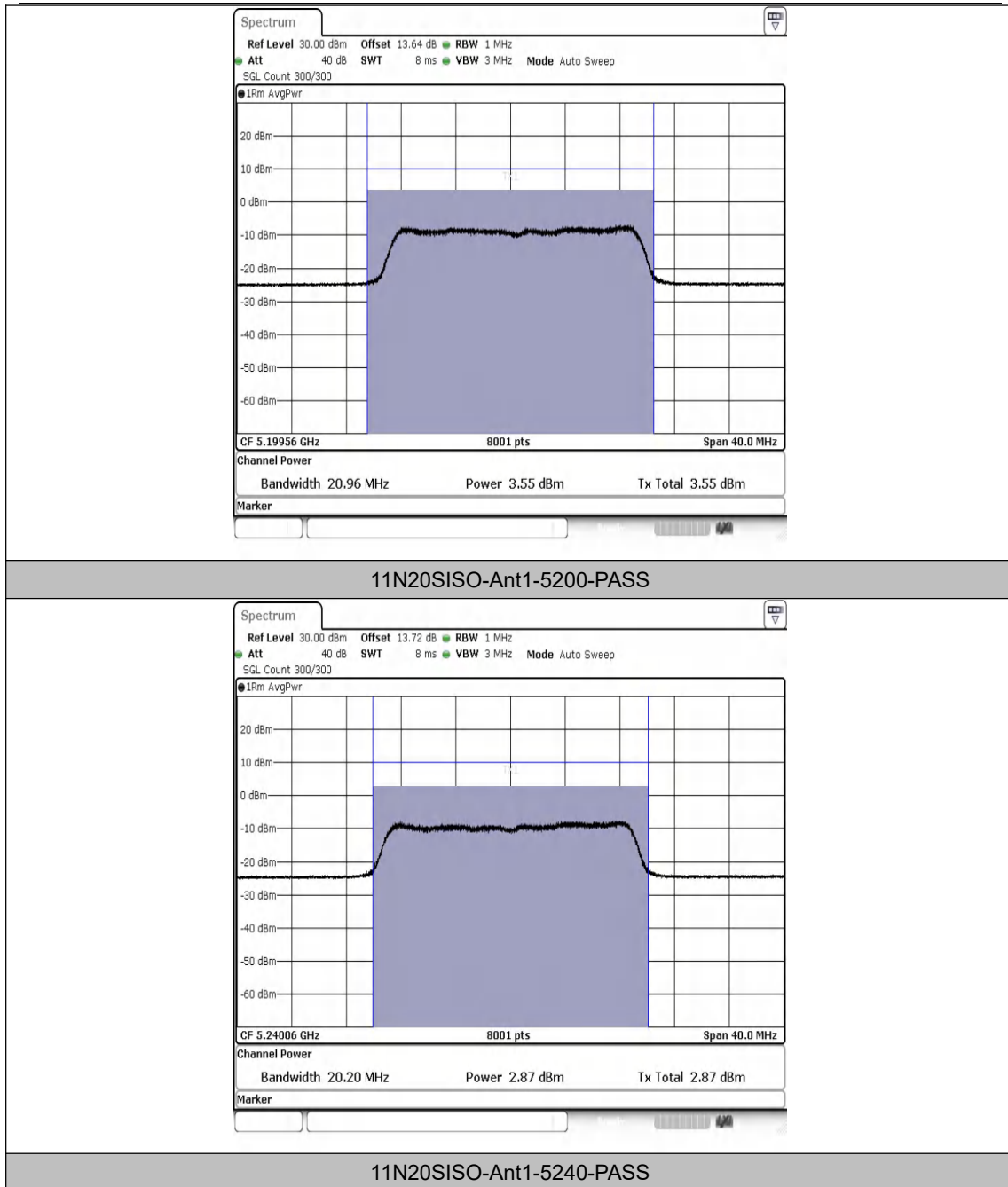


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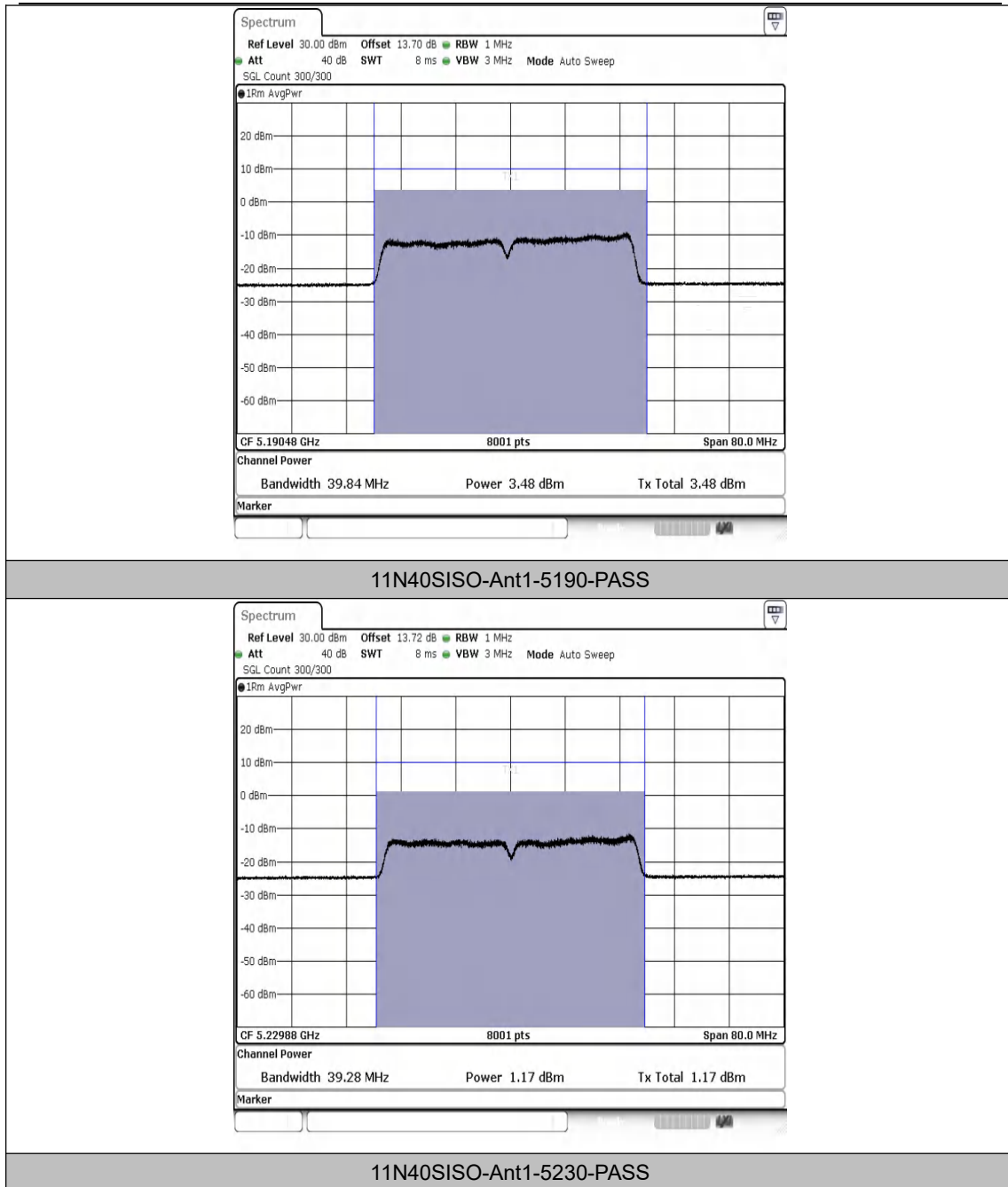




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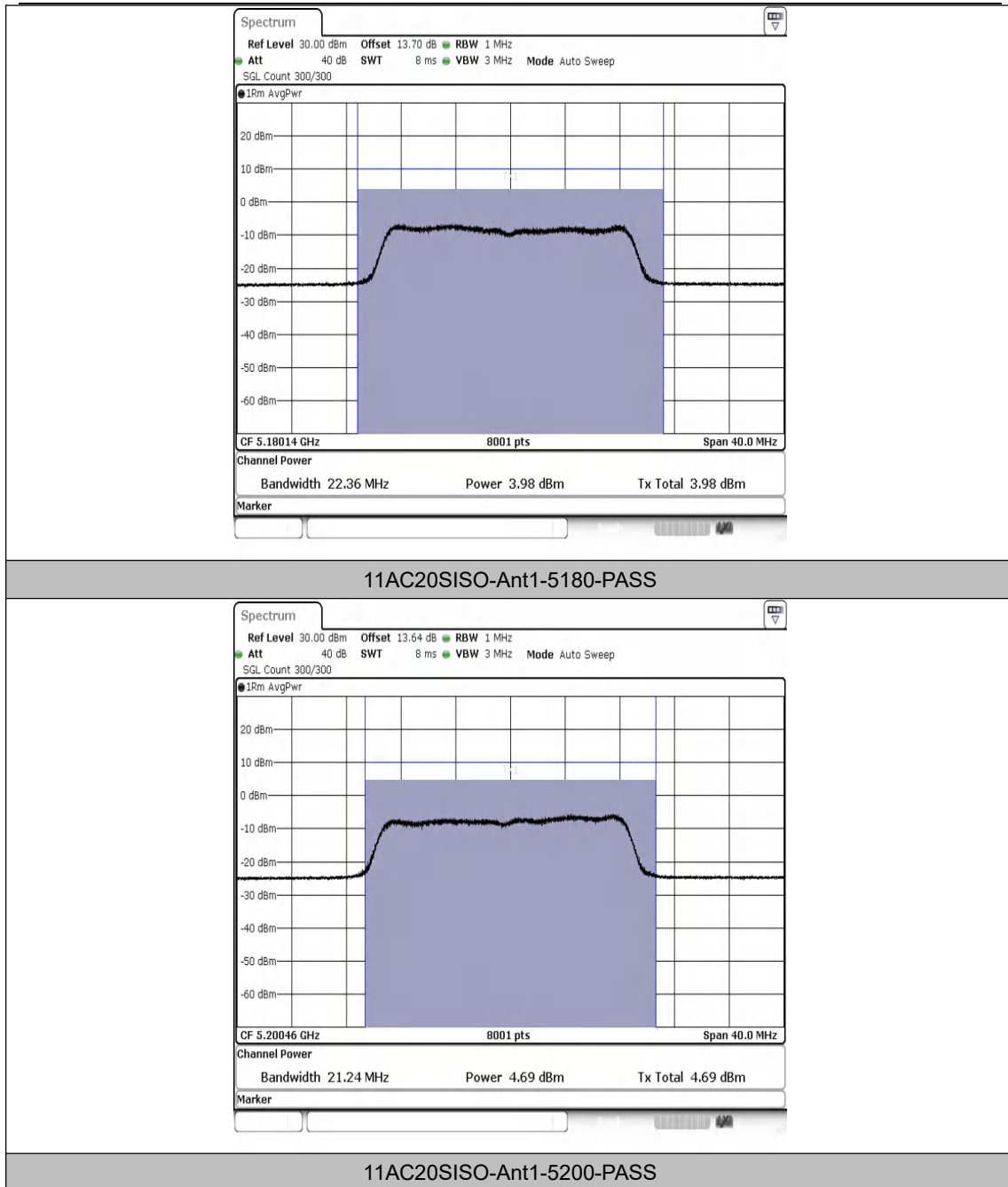
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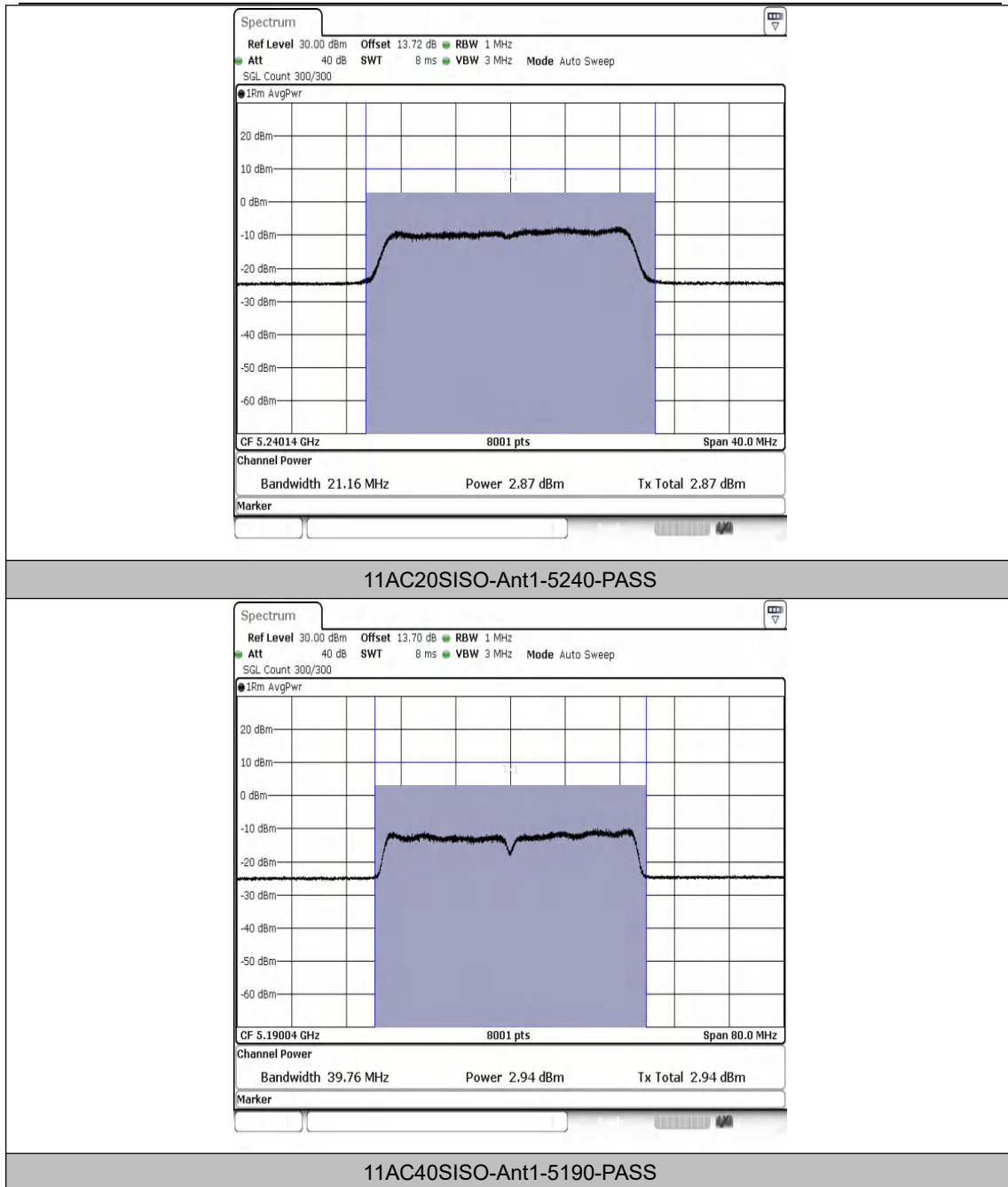
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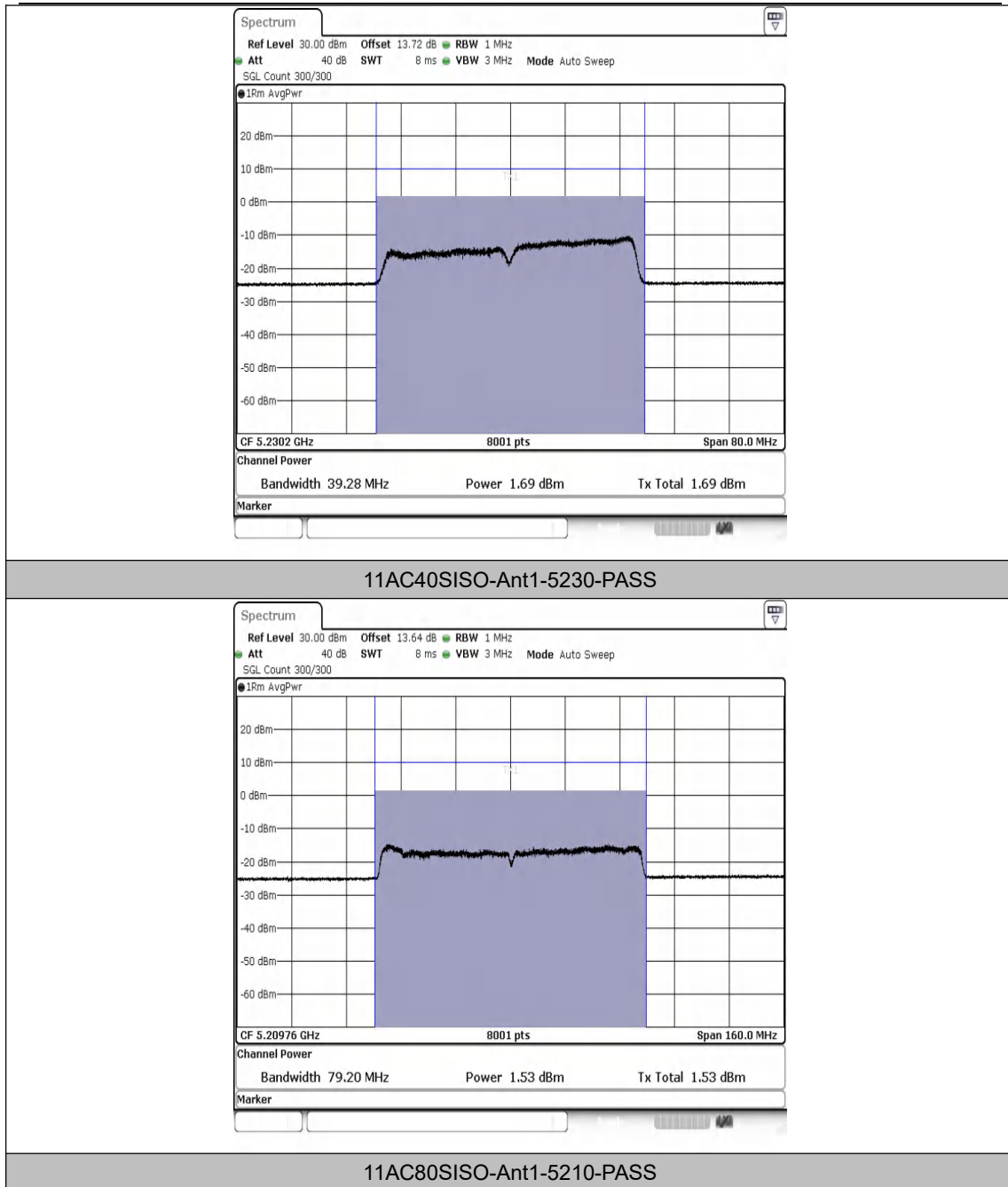
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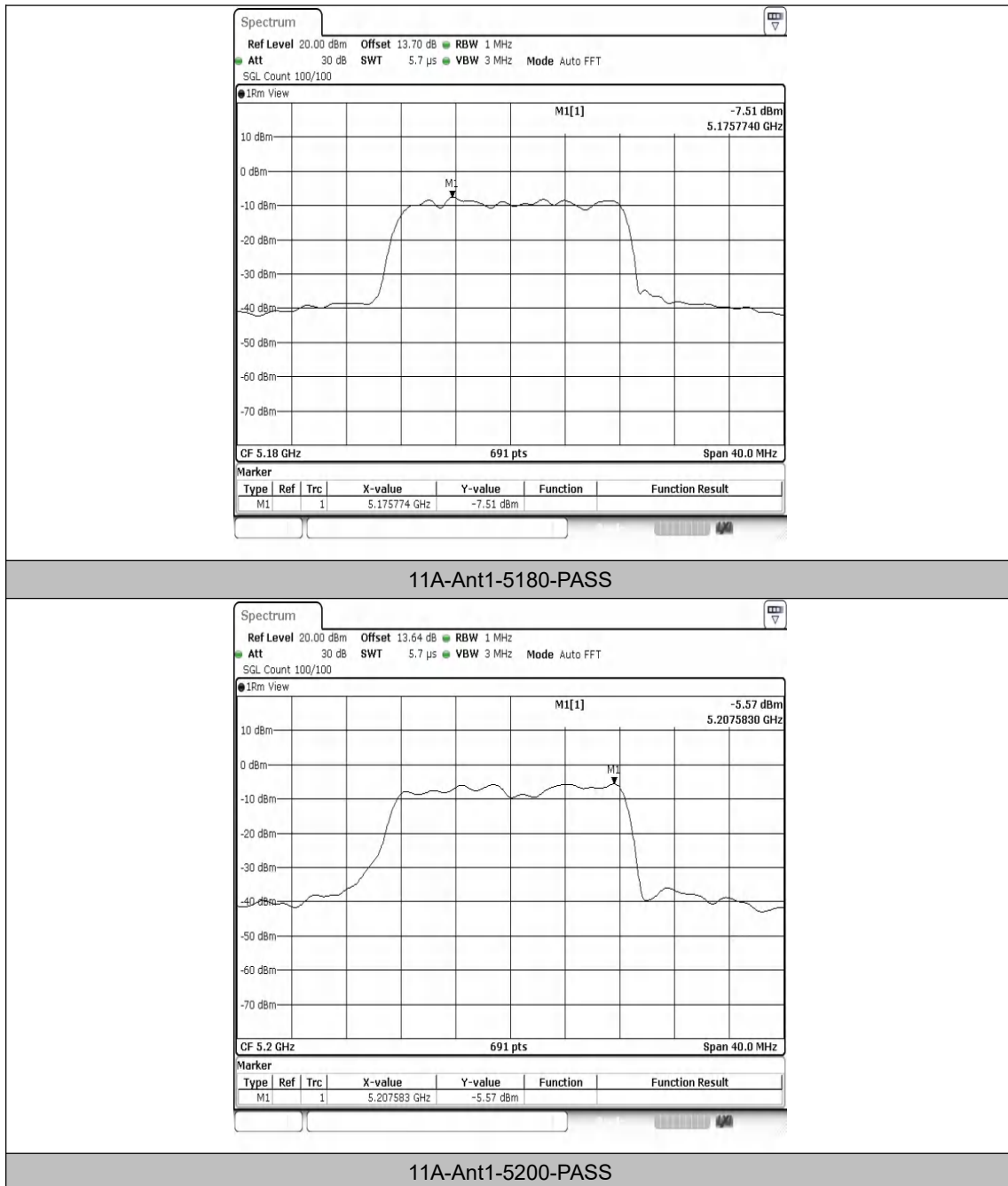
## Appendix D: Maximum Power Spectral Density

### Test Result

| Test Mode  | Antenna | Frequency [MHz] | Reading Result[dBm/MHz] | DC Factor [dB] | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|-----------------|-------------------------|----------------|------------------|----------------|---------|
| 11A        | Ant1    | 5180            | -7.51                   | 9.17           | 1.66             | ≤11.00         | PASS    |
| 11A        | Ant1    | 5200            | -5.57                   | 9.25           | 3.68             | ≤11.00         | PASS    |
| 11A        | Ant1    | 5240            | -7.57                   | 9.17           | 1.60             | ≤11.00         | PASS    |
| 11N20SISO  | Ant1    | 5180            | -6.95                   | 9.44           | 2.49             | ≤11.00         | PASS    |
| 11N20SISO  | Ant1    | 5200            | -6.83                   | 9.43           | 2.60             | ≤11.00         | PASS    |
| 11N20SISO  | Ant1    | 5240            | -8.97                   | 9.44           | 0.47             | ≤11.00         | PASS    |
| 11N40SISO  | Ant1    | 5190            | -9.77                   | 9.31           | -0.46            | ≤11.00         | PASS    |
| 11N40SISO  | Ant1    | 5230            | -9.45                   | 9.60           | 0.15             | ≤11.00         | PASS    |
| 11AC20SISO | Ant1    | 5180            | -6.69                   | 9.43           | 2.74             | ≤11.00         | PASS    |
| 11AC20SISO | Ant1    | 5200            | -7.07                   | 9.52           | 2.45             | ≤11.00         | PASS    |
| 11AC20SISO | Ant1    | 5240            | -6.69                   | 9.43           | 2.74             | ≤11.00         | PASS    |
| 11AC40SISO | Ant1    | 5190            | -8.7                    | 9.68           | 0.98             | ≤11.00         | PASS    |
| 11AC40SISO | Ant1    | 5230            | -9.86                   | 9.60           | -0.26            | ≤11.00         | PASS    |
| 11AC80SISO | Ant1    | 5210            | -13.32                  | 10.03          | -3.29            | ≤11.00         | PASS    |

Note: 1.The cable loss are compensated in the graph.

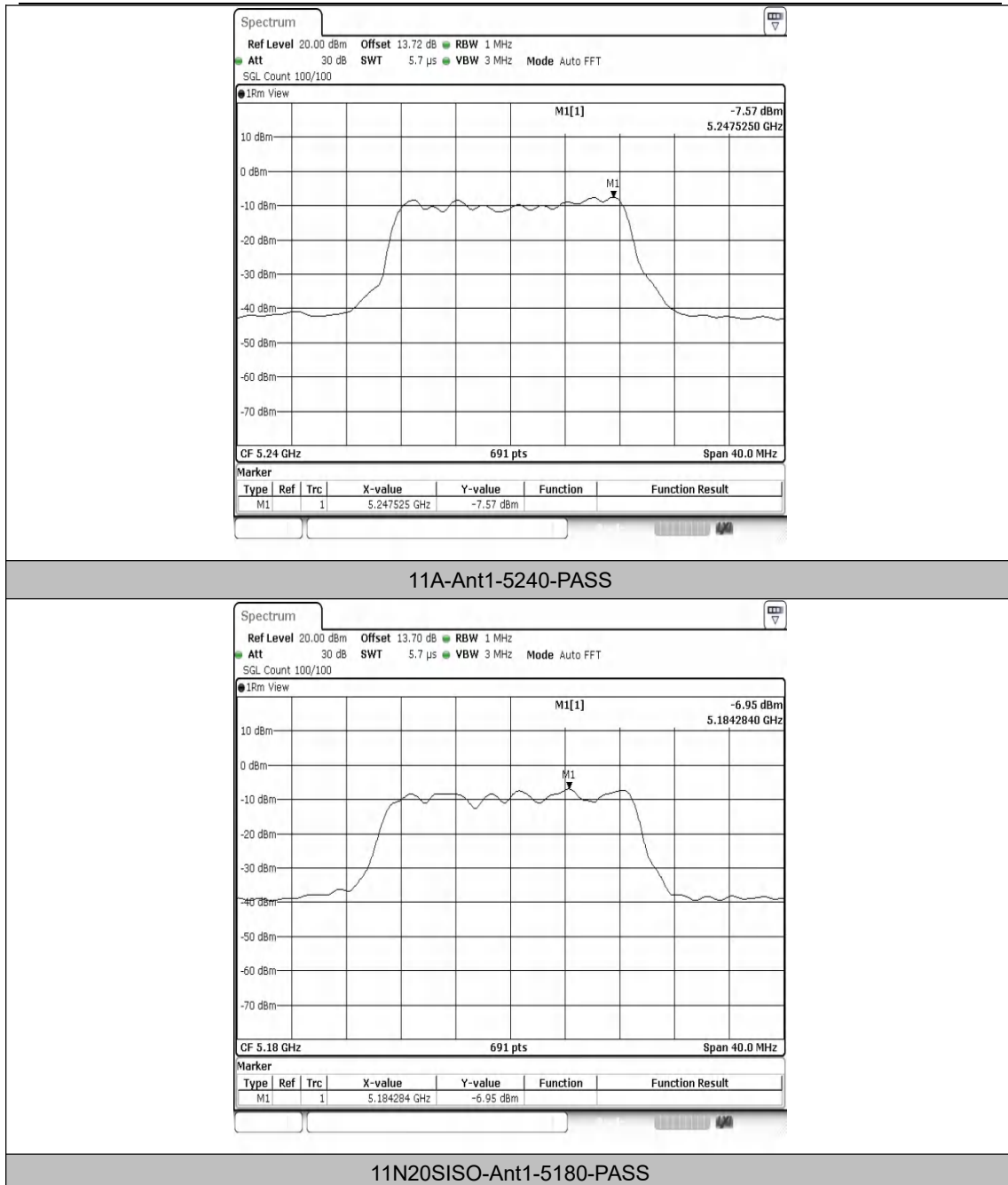
## Test Graphs

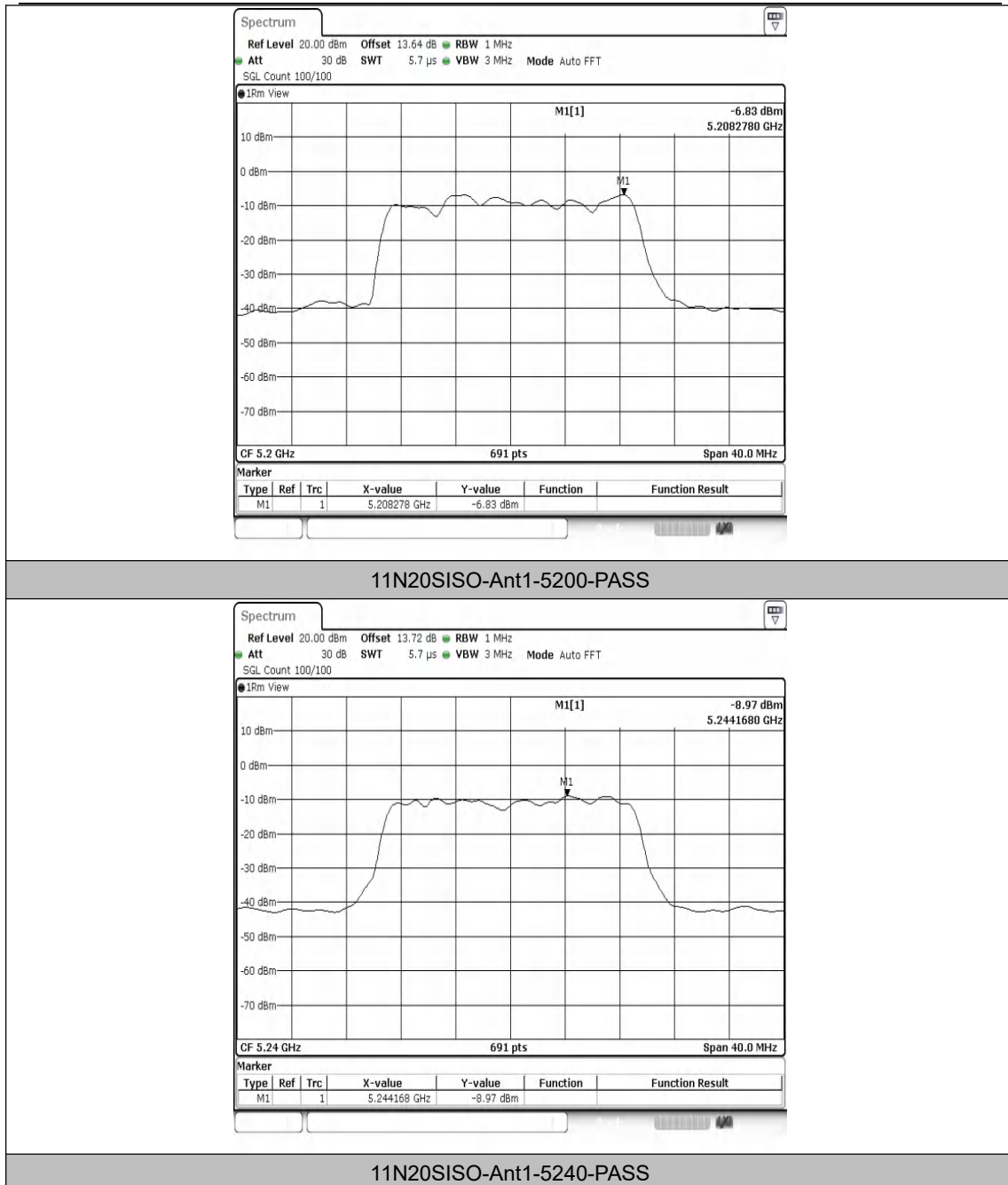


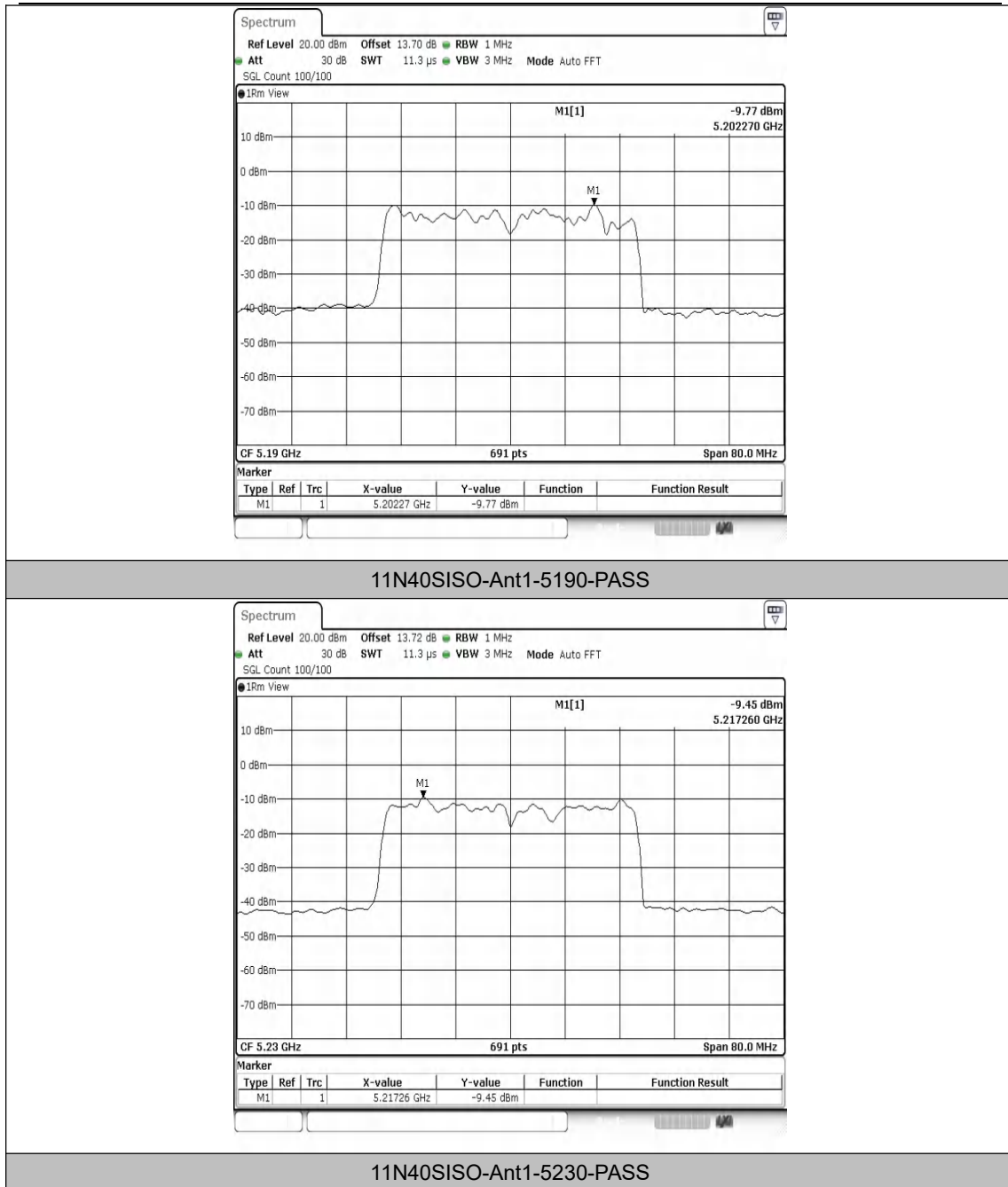
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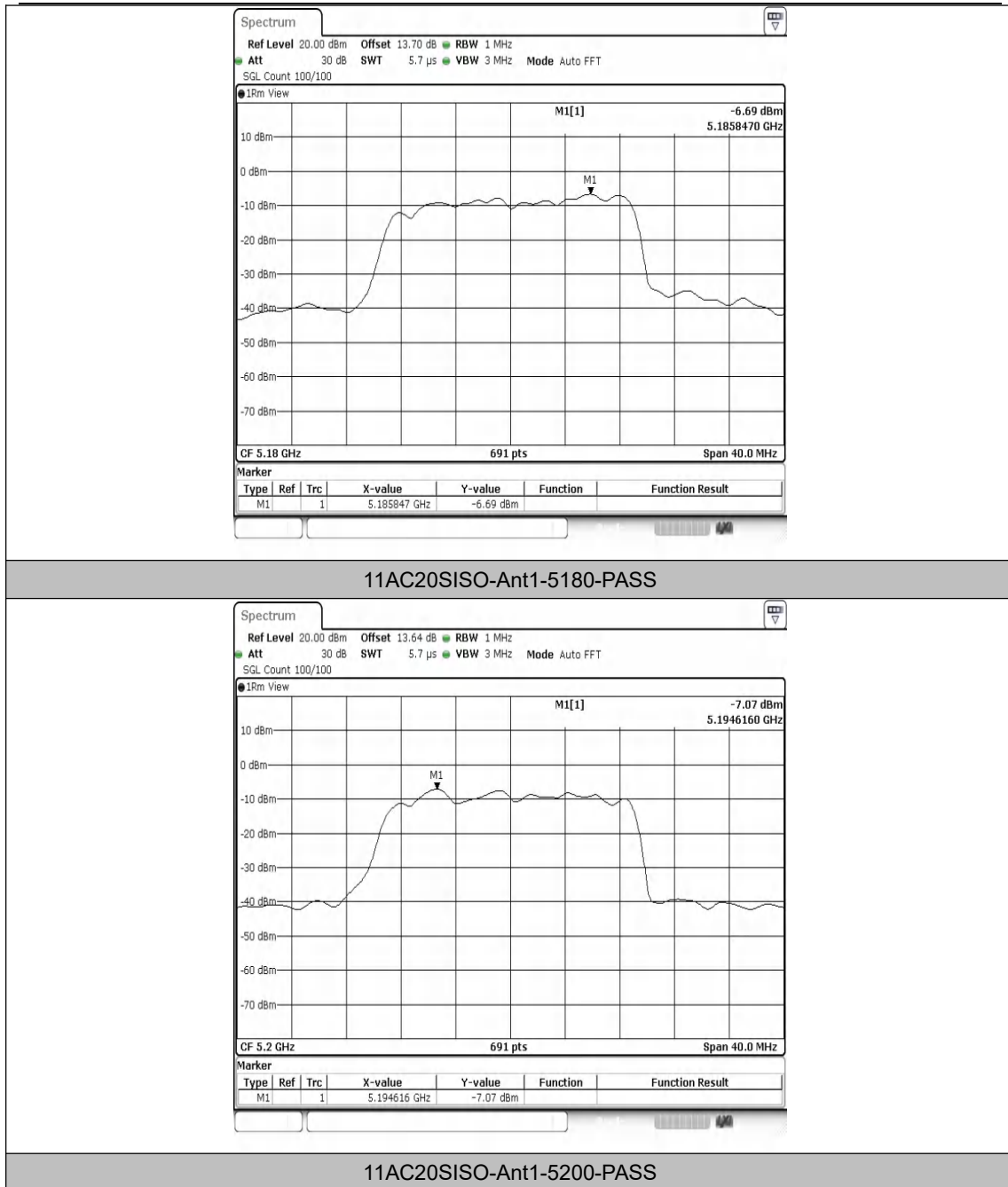
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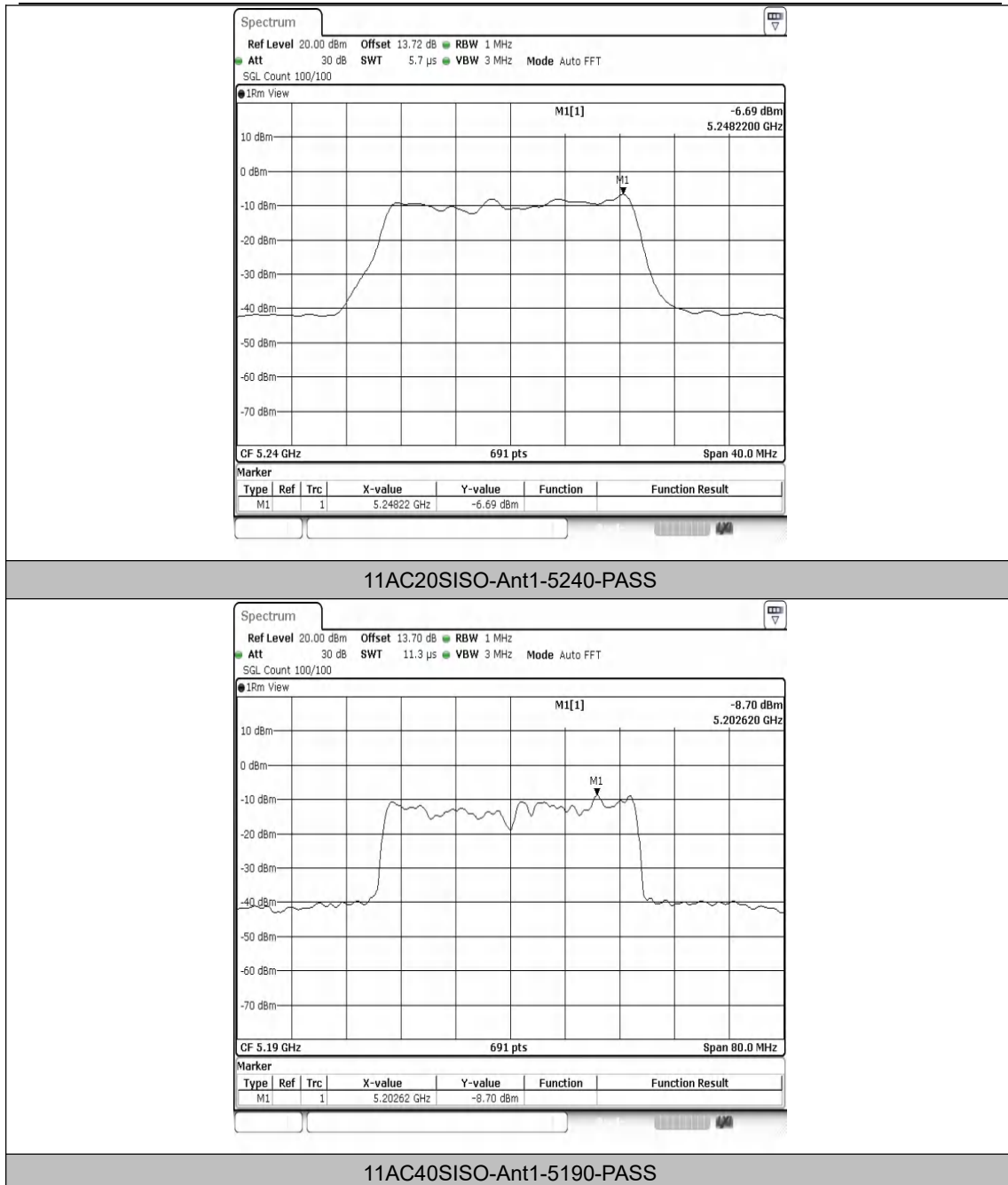


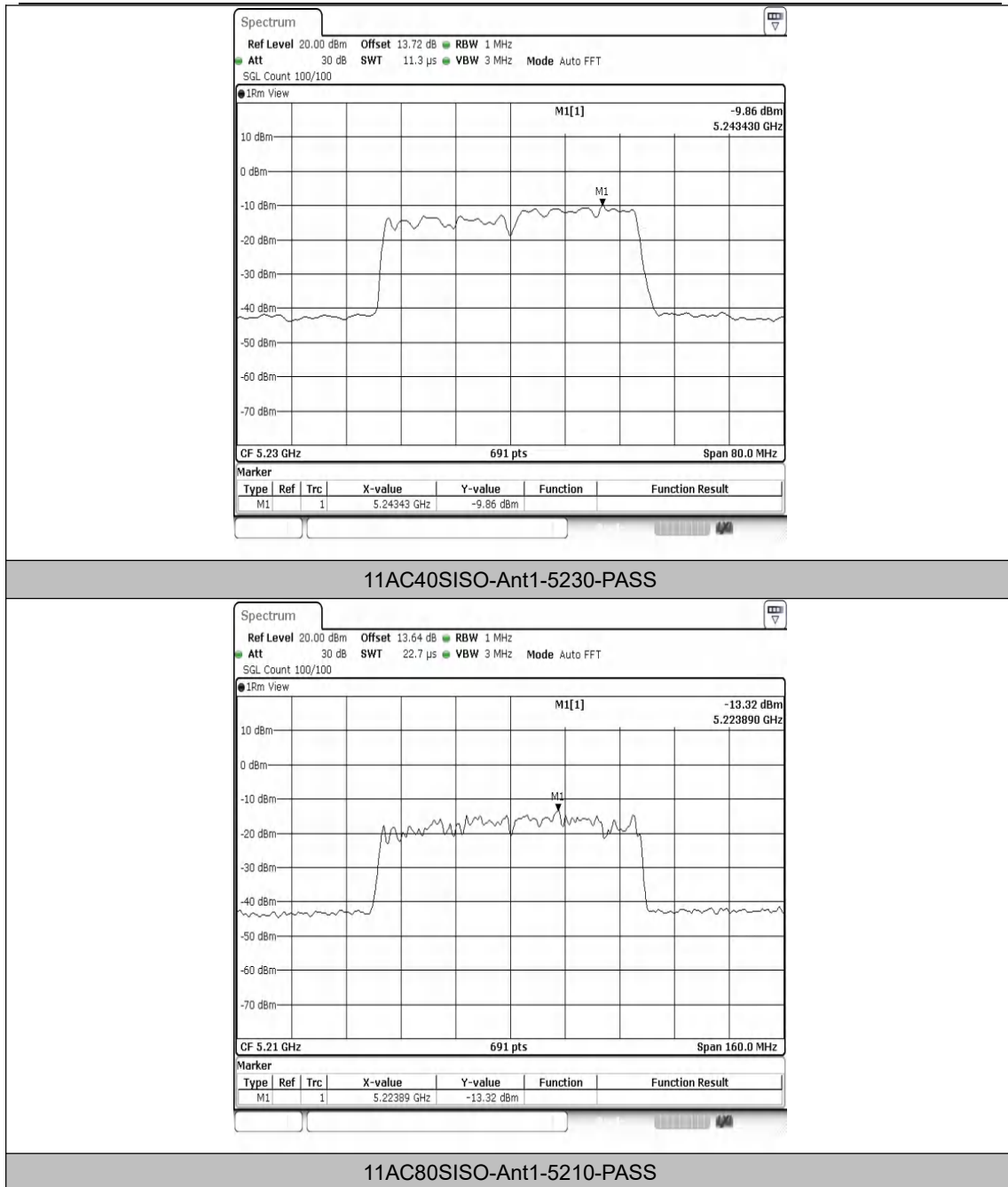


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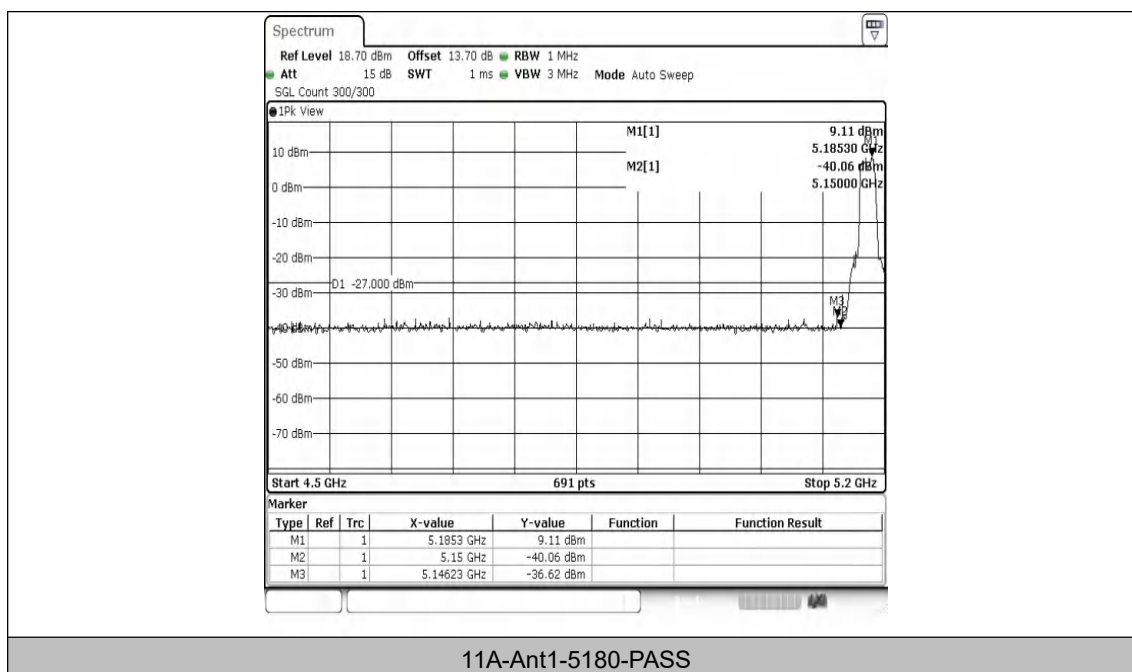
## Appendix E: Band edge measurements

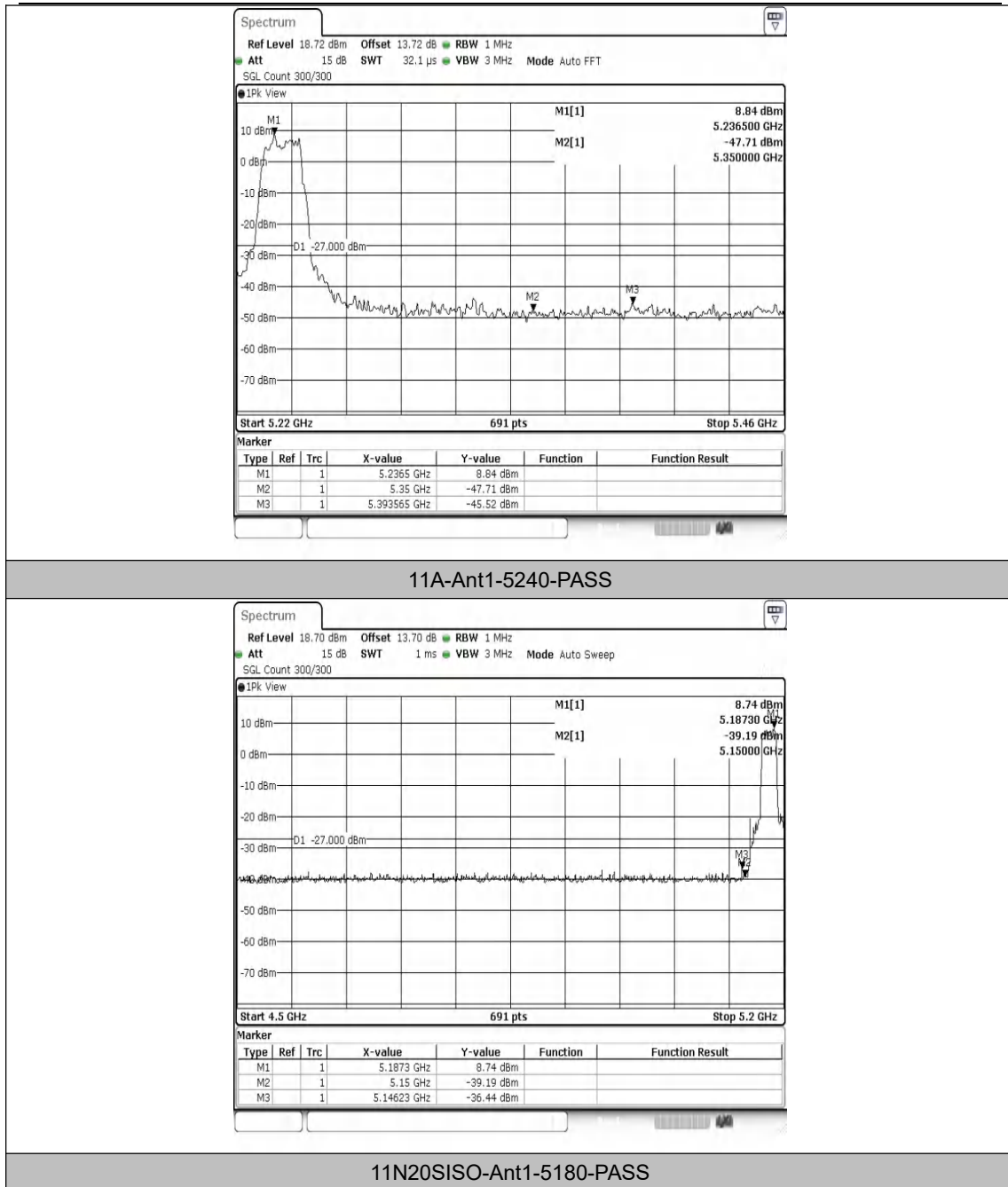
### Test Result B1

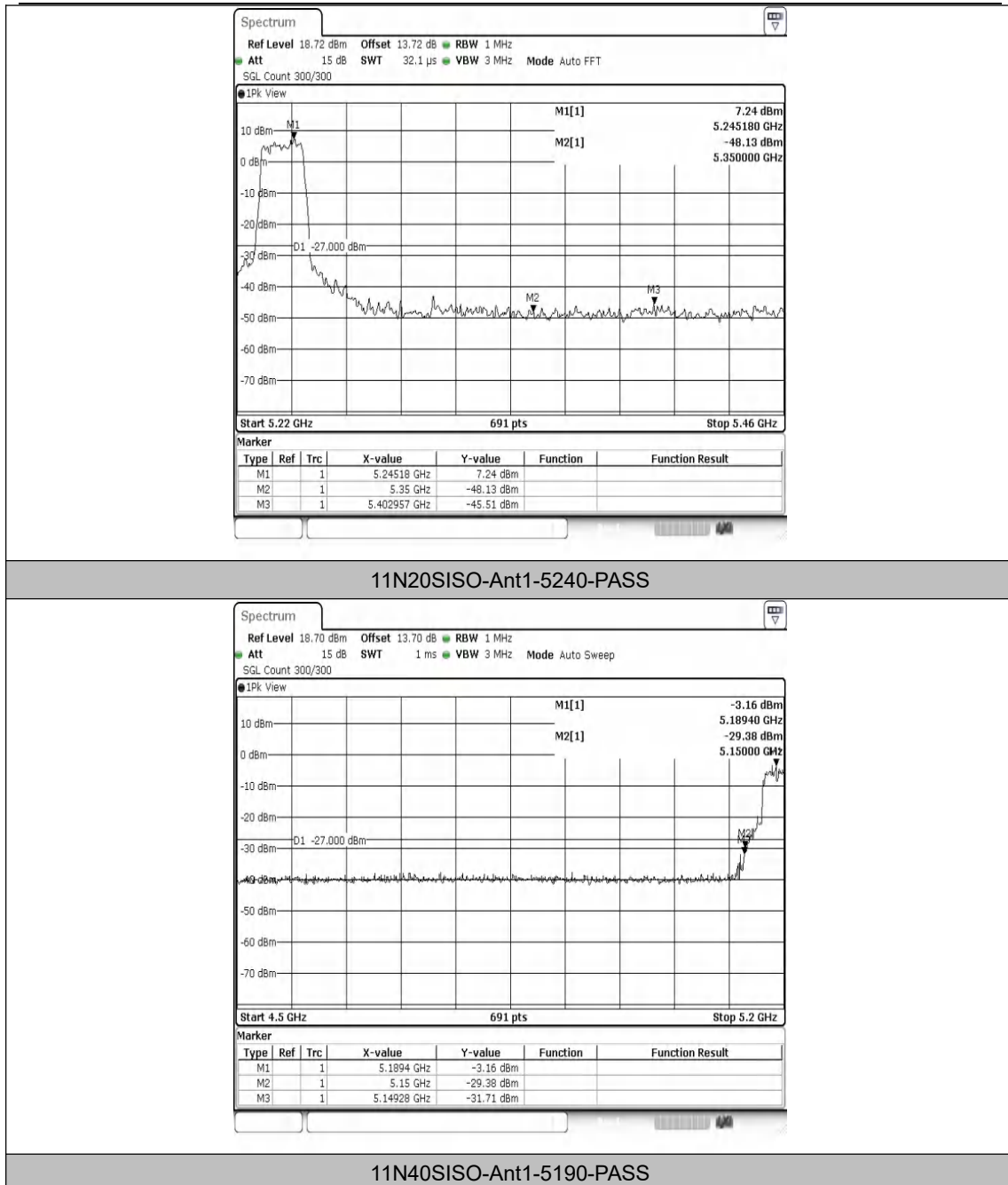
| Test Mode  | Antenna | ChName | Frequency[MHz] | Result[dBm] | Limit[dBm] | Verdict |
|------------|---------|--------|----------------|-------------|------------|---------|
| 11A        | Ant1    | Low    | 5180           | -36.62      | ≤-27       | PASS    |
| 11A        | Ant1    | High   | 5240           | -45.52      | ≤-27       | PASS    |
| 11N20SISO  | Ant1    | Low    | 5180           | -36.44      | ≤-27       | PASS    |
| 11N20SISO  | Ant1    | High   | 5240           | -45.51      | ≤-27       | PASS    |
| 11N40SISO  | Ant1    | Low    | 5190           | -31.71      | ≤-27       | PASS    |
| 11N40SISO  | Ant1    | High   | 5230           | -45.6       | ≤-27       | PASS    |
| 11AC20SISO | Ant1    | Low    | 5180           | -36.08      | ≤-27       | PASS    |
| 11AC20SISO | Ant1    | High   | 5240           | -45.53      | ≤-27       | PASS    |
| 11AC40SISO | Ant1    | Low    | 5190           | -31.4       | ≤-27       | PASS    |
| 11AC40SISO | Ant1    | High   | 5230           | -45.81      | ≤-27       | PASS    |
| 11AC80SISO | Ant1    | Low    | 5210           | -38.03      | ≤-27       | PASS    |
| 11AC80SISO | Ant1    | High   | 5210           | -46.23      | ≤-27       | PASS    |

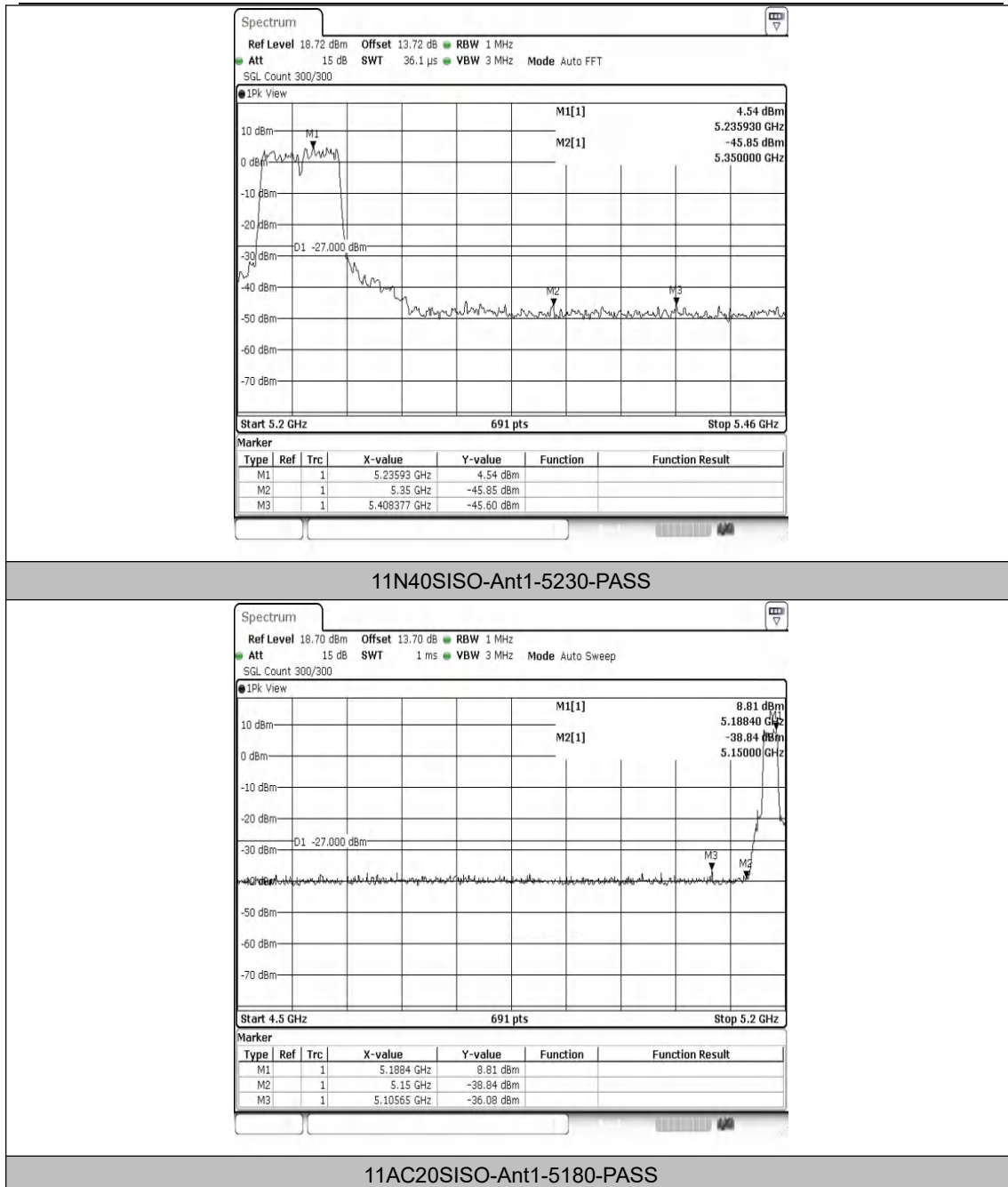
Note: The margin is at least greater than the antenna gain plus the cable loss.

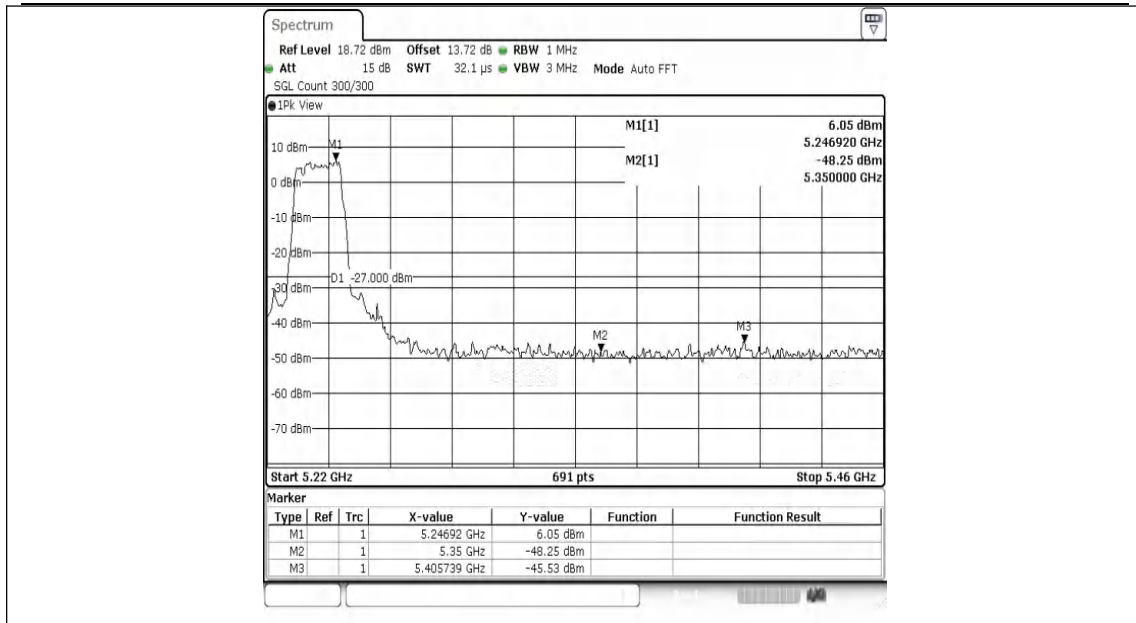
### Test Graphs B1



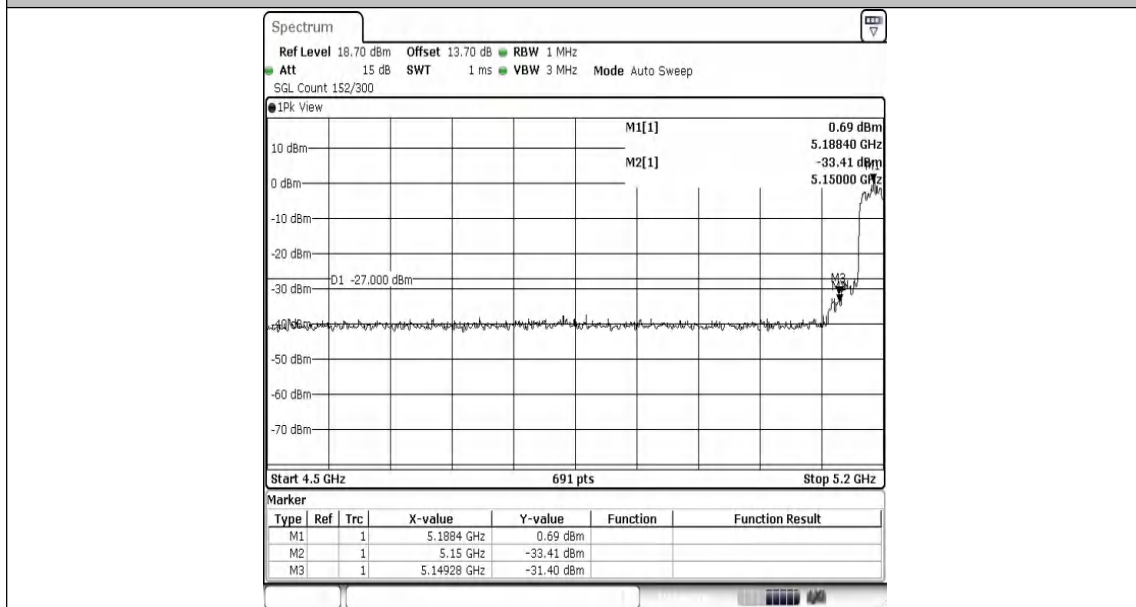




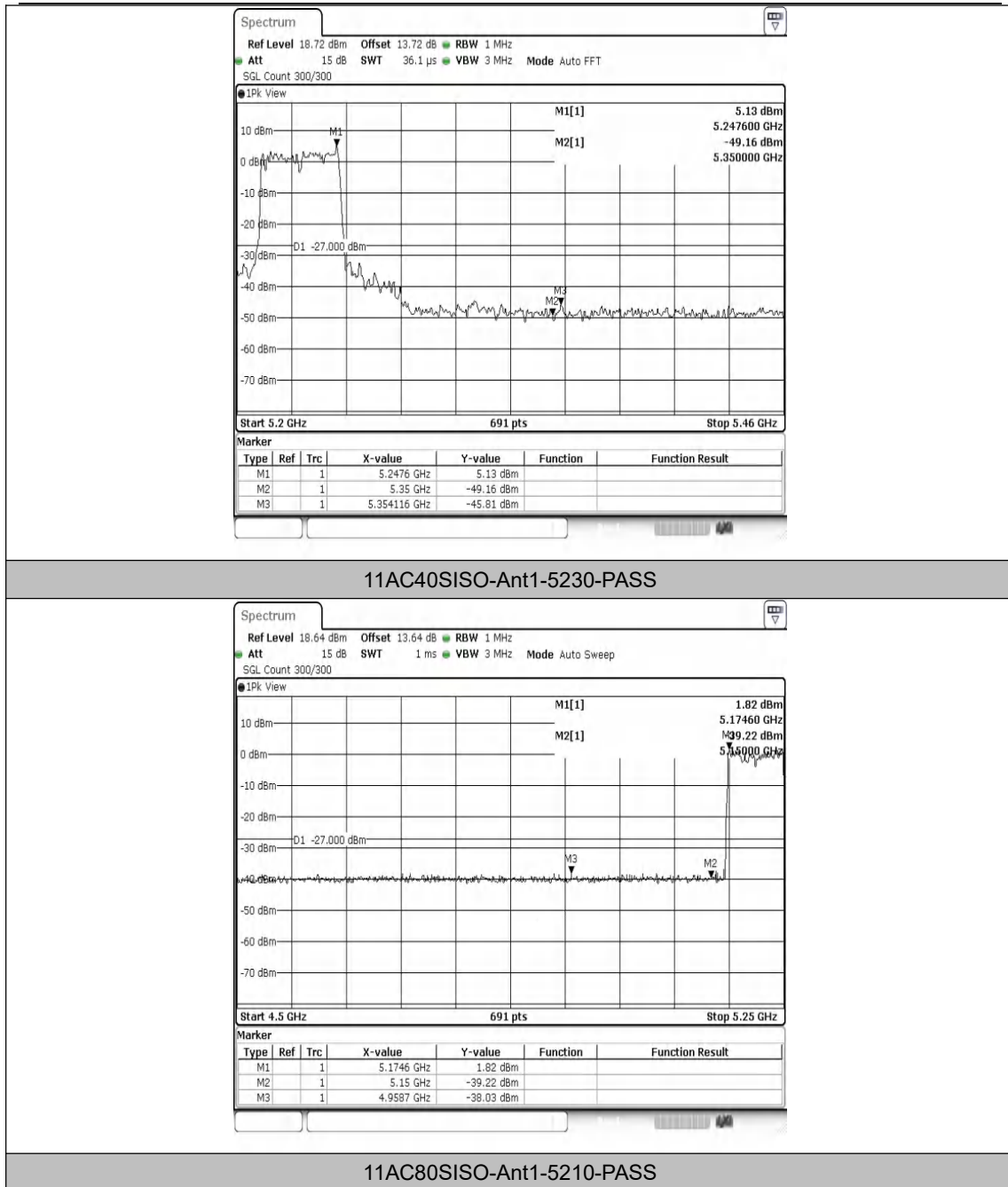


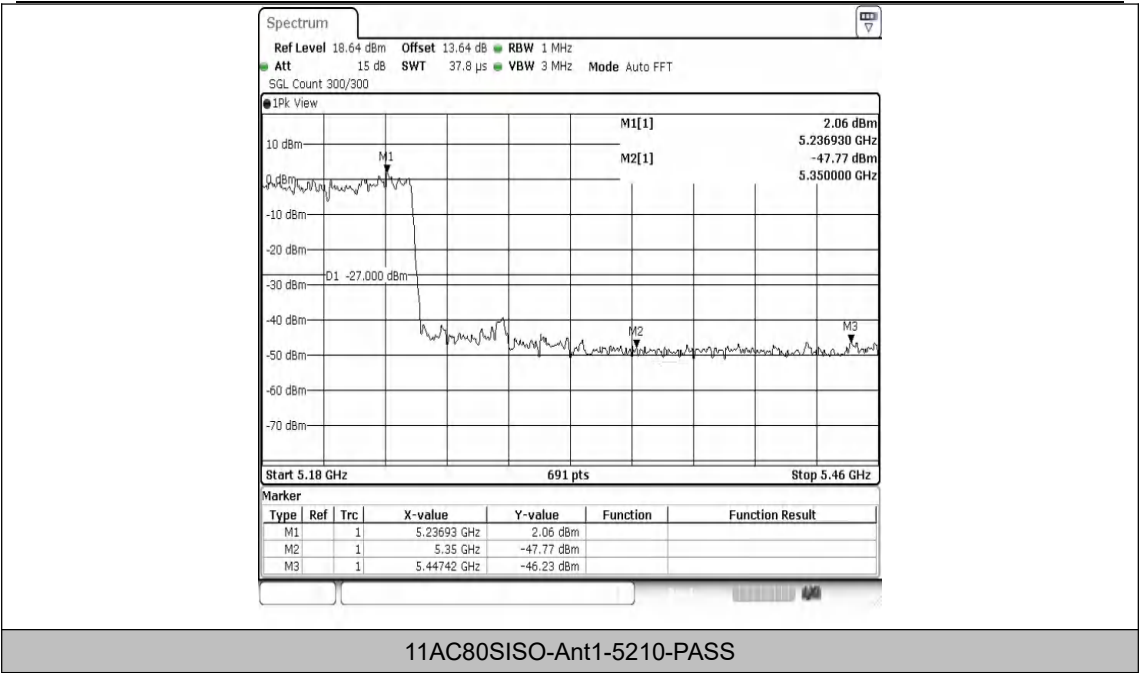


11AC20SISO-Ant1-5240-PASS



11AC40SISO-Ant1-5190-PASS





---End---