

## Appendix Test Data

|                  |                  |                    |                    |
|------------------|------------------|--------------------|--------------------|
| Report No.:      | 1819C50054312502 | Test Sample No.:   | 1-2-2              |
| Start Test Date: | 2025-05-27       | Finish Test Date:  | 2025-06-04         |
| Test Engineer:   | <i>Alex Peng</i> | Auditor:           | <i>Justin Feng</i> |
| Temperature:     | 25.3°C           | Relative Humidity: | 54%                |
| Pressure:        | 101kPa           |                    |                    |

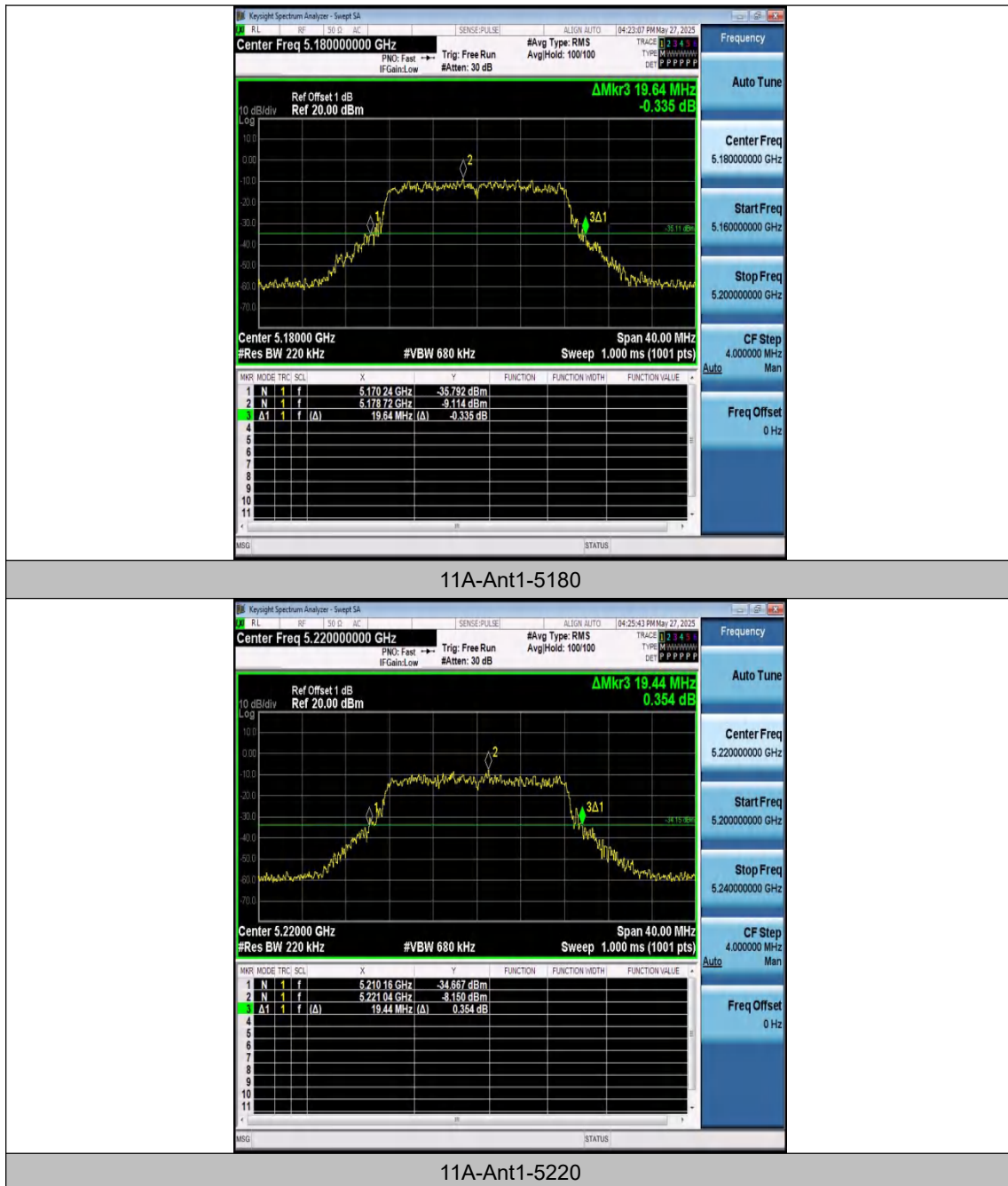
## Appendix A1: 26dB Bandwidth

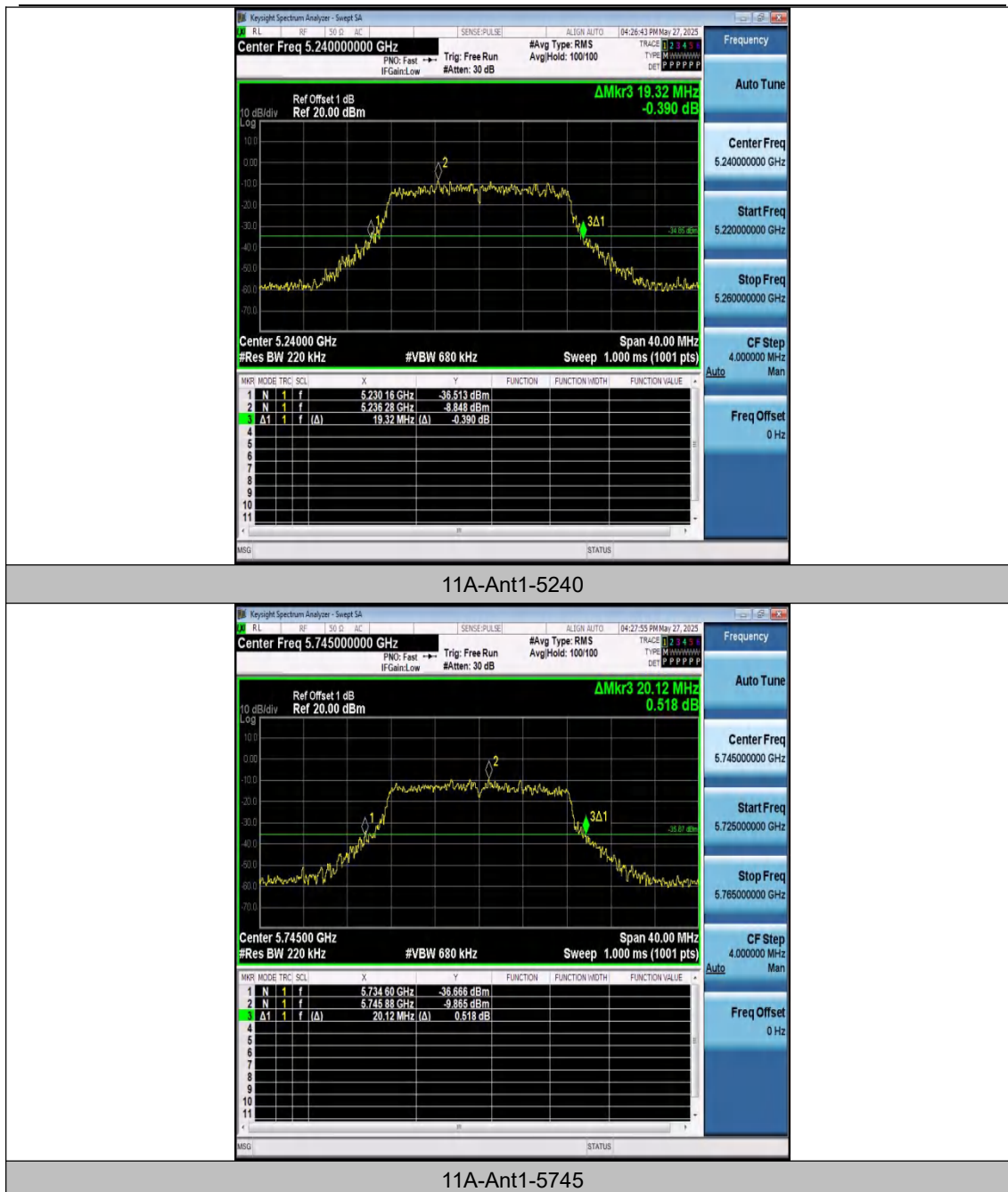
### Test Result

| Test Mode | Antenna | Frequency[MHz] | 26db EBW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|----------------|----------------|----------|----------|------------|---------|
| 11A       | Ant1    | 5180           | 19.640         | 5170.240 | 5189.880 | ---        | ---     |
| 11A       | Ant1    | 5220           | 19.440         | 5210.160 | 5229.600 | ---        | ---     |
| 11A       | Ant1    | 5240           | 19.320         | 5230.160 | 5249.480 | ---        | ---     |
| 11A       | Ant1    | 5745           | 20.120         | 5734.600 | 5754.720 | ---        | ---     |
| 11A       | Ant1    | 5785           | 20.120         | 5775.160 | 5795.280 | ---        | ---     |
| 11A       | Ant1    | 5825           | 19.920         | 5815.200 | 5835.120 | ---        | ---     |
| 11N20SISO | Ant1    | 5180           | 19.600         | 5170.080 | 5189.680 | ---        | ---     |
| 11N20SISO | Ant1    | 5220           | 20.760         | 5209.400 | 5230.160 | ---        | ---     |
| 11N20SISO | Ant1    | 5240           | 20.640         | 5229.600 | 5250.240 | ---        | ---     |
| 11N20SISO | Ant1    | 5745           | 20.240         | 5735.120 | 5755.360 | ---        | ---     |
| 11N20SISO | Ant1    | 5785           | 20.800         | 5774.640 | 5795.440 | ---        | ---     |
| 11N20SISO | Ant1    | 5825           | 19.840         | 5815.000 | 5834.840 | ---        | ---     |
| 11N40SISO | Ant1    | 5190           | 38.160         | 5171.040 | 5209.200 | ---        | ---     |
| 11N40SISO | Ant1    | 5230           | 38.320         | 5210.880 | 5249.200 | ---        | ---     |
| 11N40SISO | Ant1    | 5755           | 37.920         | 5736.040 | 5773.960 | ---        | ---     |
| 11N40SISO | Ant1    | 5795           | 38.160         | 5776.040 | 5814.200 | ---        | ---     |



## Test Graphs



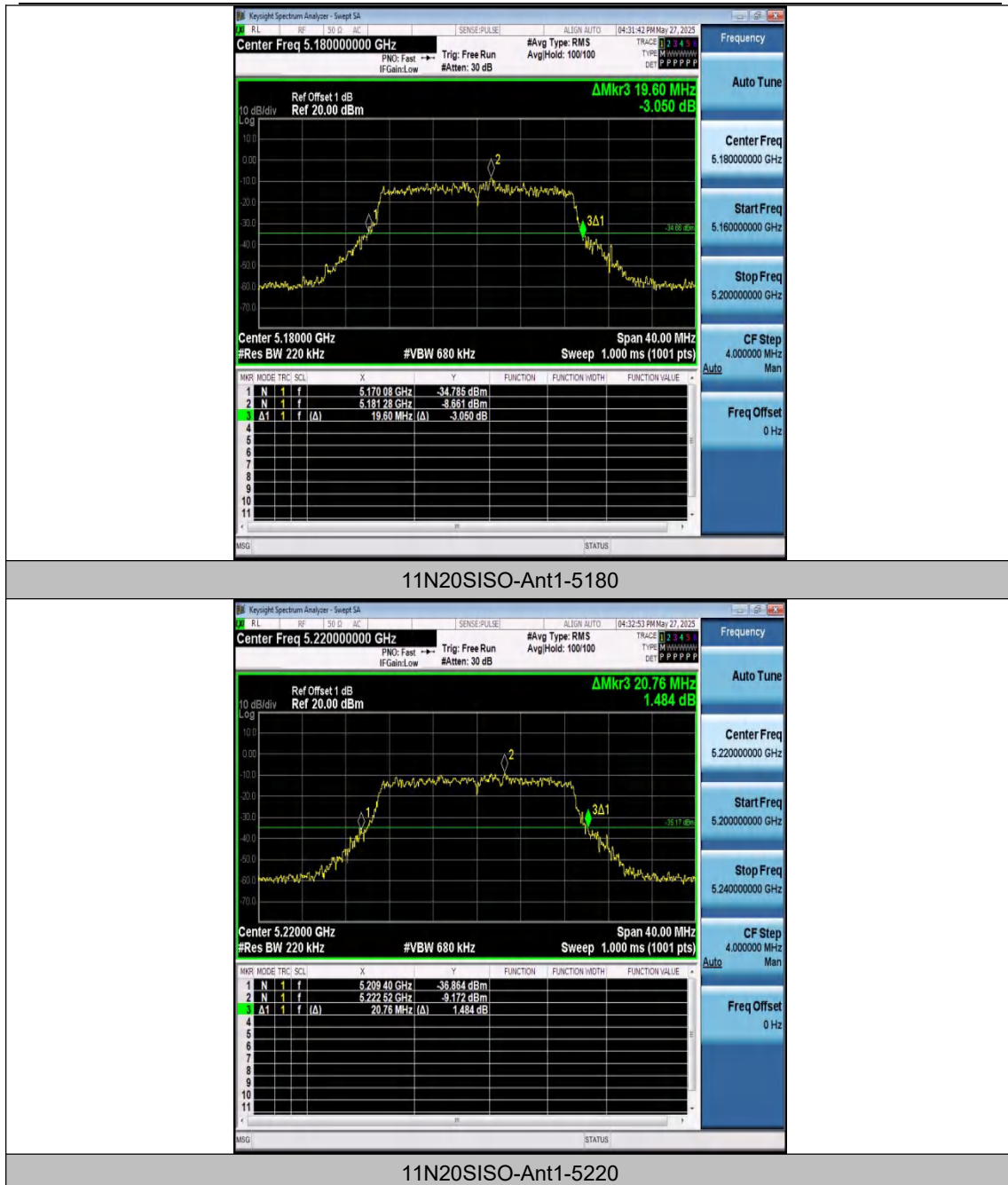


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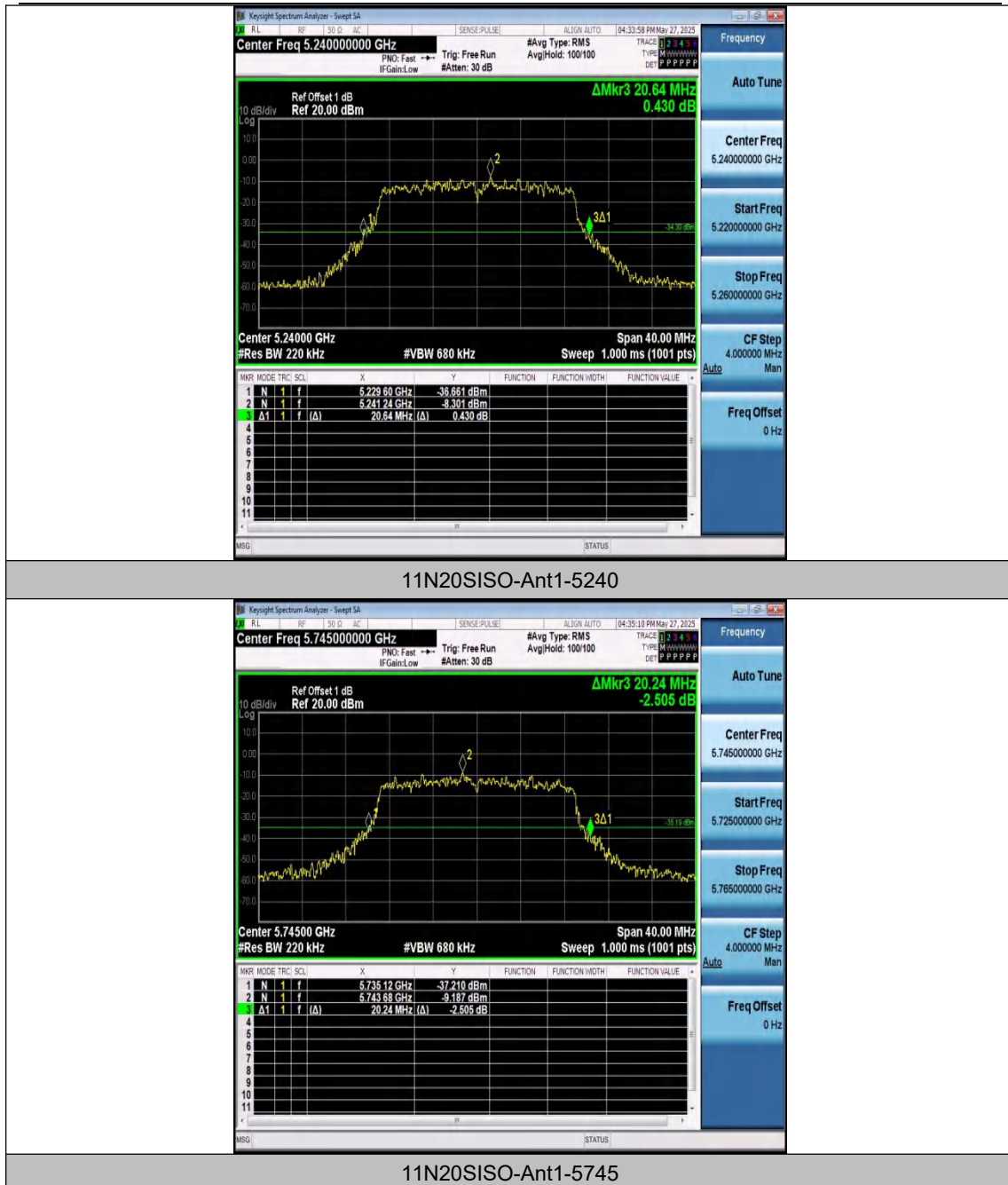
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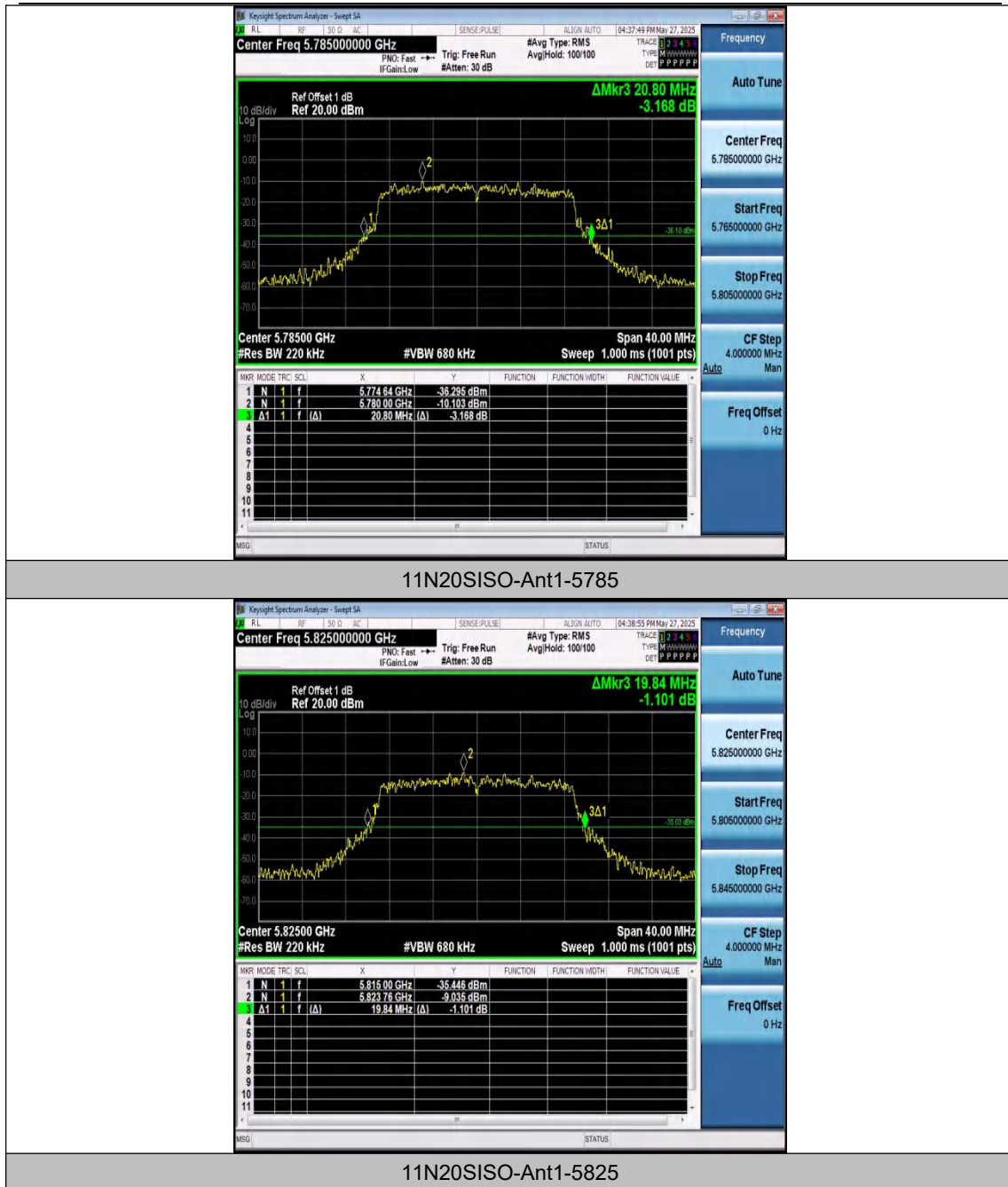




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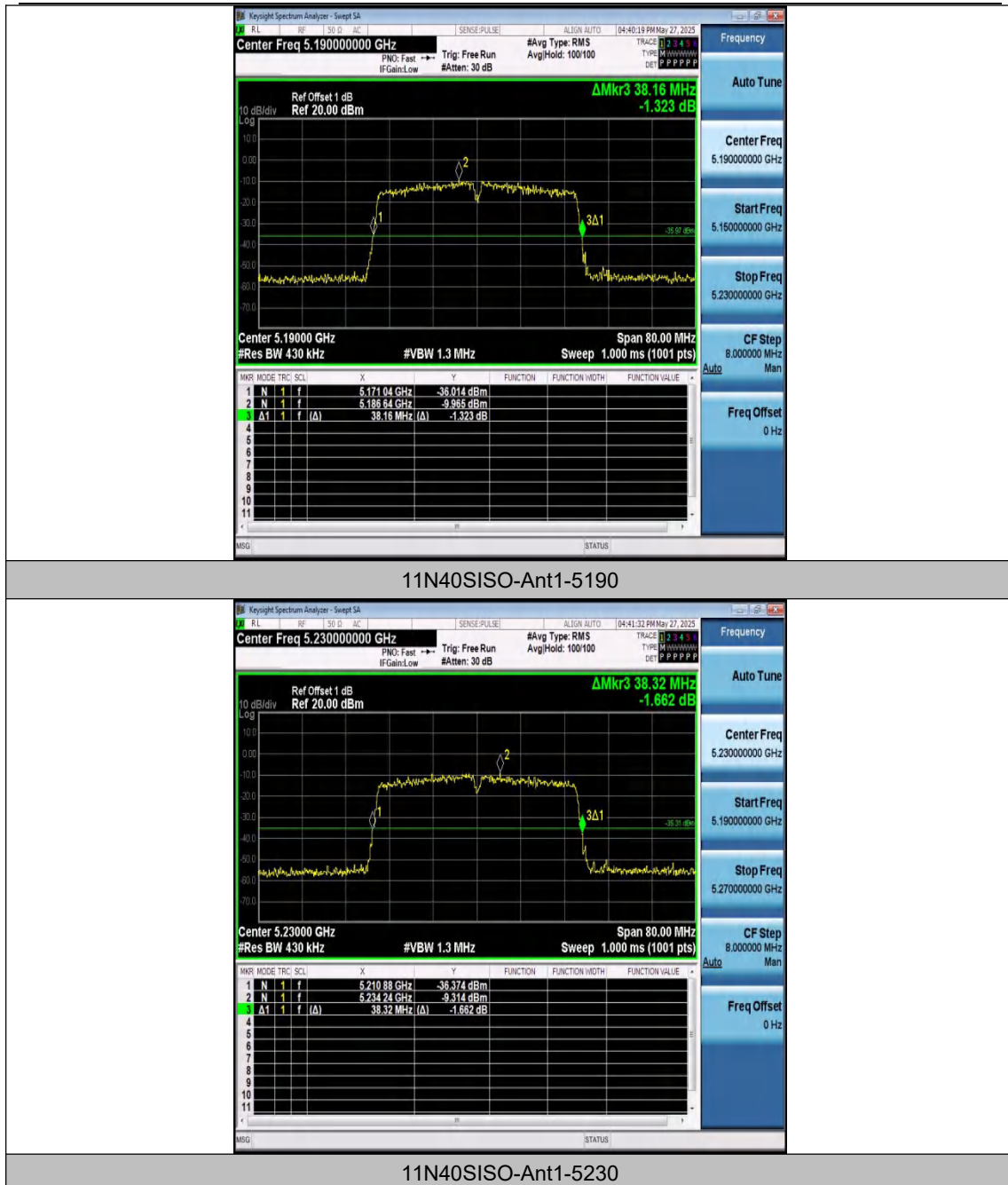
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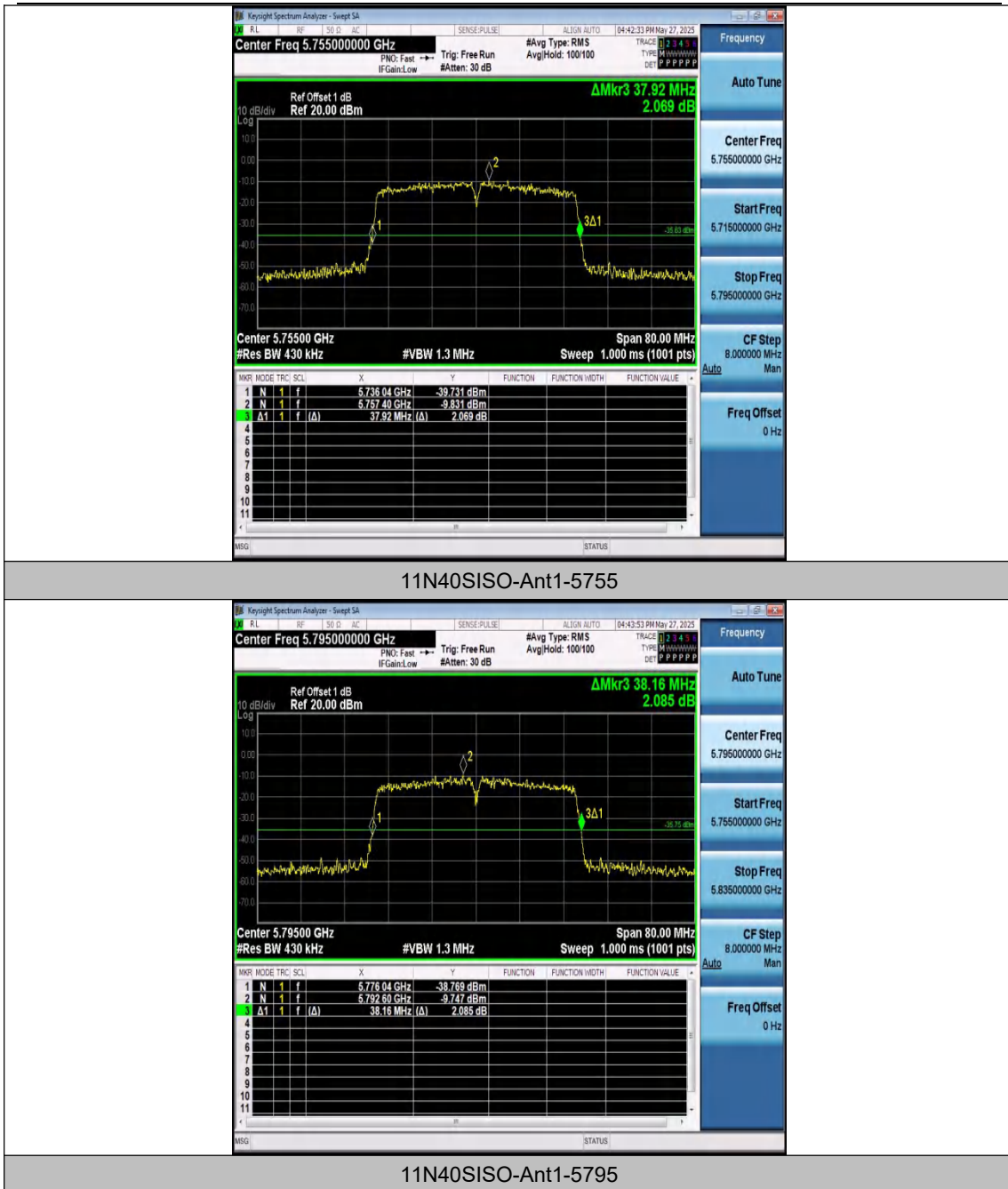


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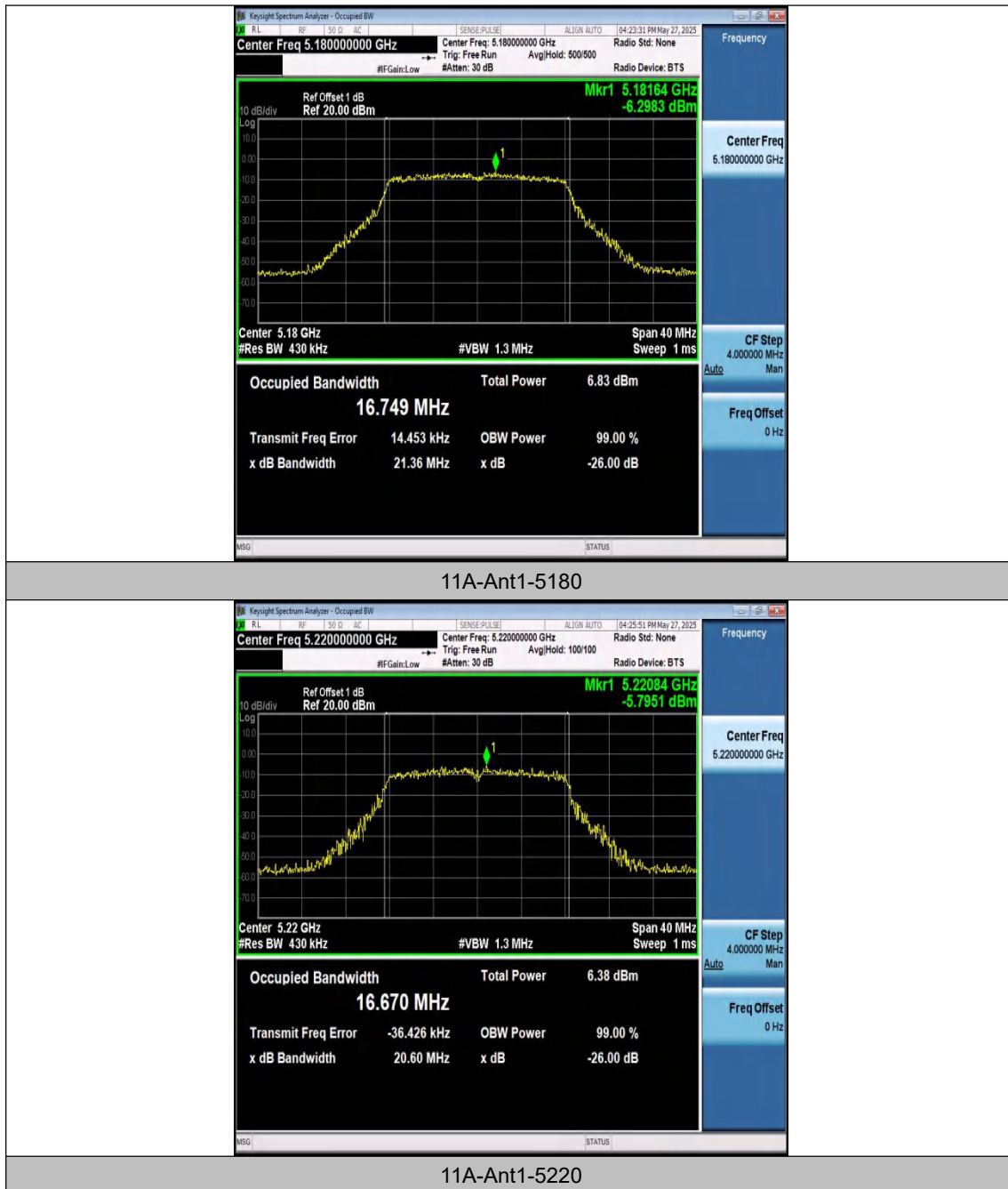
## Appendix A2: 99% Occupied Bandwidth

### Test Result

| Test Mode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|-----------|---------|----------------|-----------|-----------|-----------|------------|---------|
| 11A       | Ant1    | 5180           | 16.749    | 5171.6400 | 5188.3890 | ---        | ---     |
| 11A       | Ant1    | 5220           | 16.670    | 5211.6286 | 5228.2986 | ---        | ---     |
| 11A       | Ant1    | 5240           | 16.646    | 5231.7393 | 5248.3853 | ---        | ---     |
| 11A       | Ant1    | 5745           | 16.600    | 5736.6586 | 5753.2586 | ---        | ---     |
| 11A       | Ant1    | 5785           | 16.592    | 5776.6838 | 5793.2758 | ---        | ---     |
| 11A       | Ant1    | 5825           | 16.633    | 5816.6915 | 5833.3245 | ---        | ---     |
| 11N20SISO | Ant1    | 5180           | 17.780    | 5171.1297 | 5188.9097 | ---        | ---     |
| 11N20SISO | Ant1    | 5220           | 17.706    | 5211.1608 | 5228.8668 | ---        | ---     |
| 11N20SISO | Ant1    | 5240           | 17.848    | 5231.0216 | 5248.8696 | ---        | ---     |
| 11N20SISO | Ant1    | 5745           | 17.825    | 5736.0709 | 5753.8959 | ---        | ---     |
| 11N20SISO | Ant1    | 5785           | 17.650    | 5776.1585 | 5793.8085 | ---        | ---     |
| 11N20SISO | Ant1    | 5825           | 17.704    | 5816.0964 | 5833.8004 | ---        | ---     |
| 11N40SISO | Ant1    | 5190           | 35.720    | 5172.1536 | 5207.8736 | ---        | ---     |
| 11N40SISO | Ant1    | 5230           | 35.875    | 5212.1147 | 5247.9897 | ---        | ---     |
| 11N40SISO | Ant1    | 5755           | 35.939    | 5737.0048 | 5772.9438 | ---        | ---     |
| 11N40SISO | Ant1    | 5795           | 35.805    | 5777.0968 | 5812.9018 | ---        | ---     |



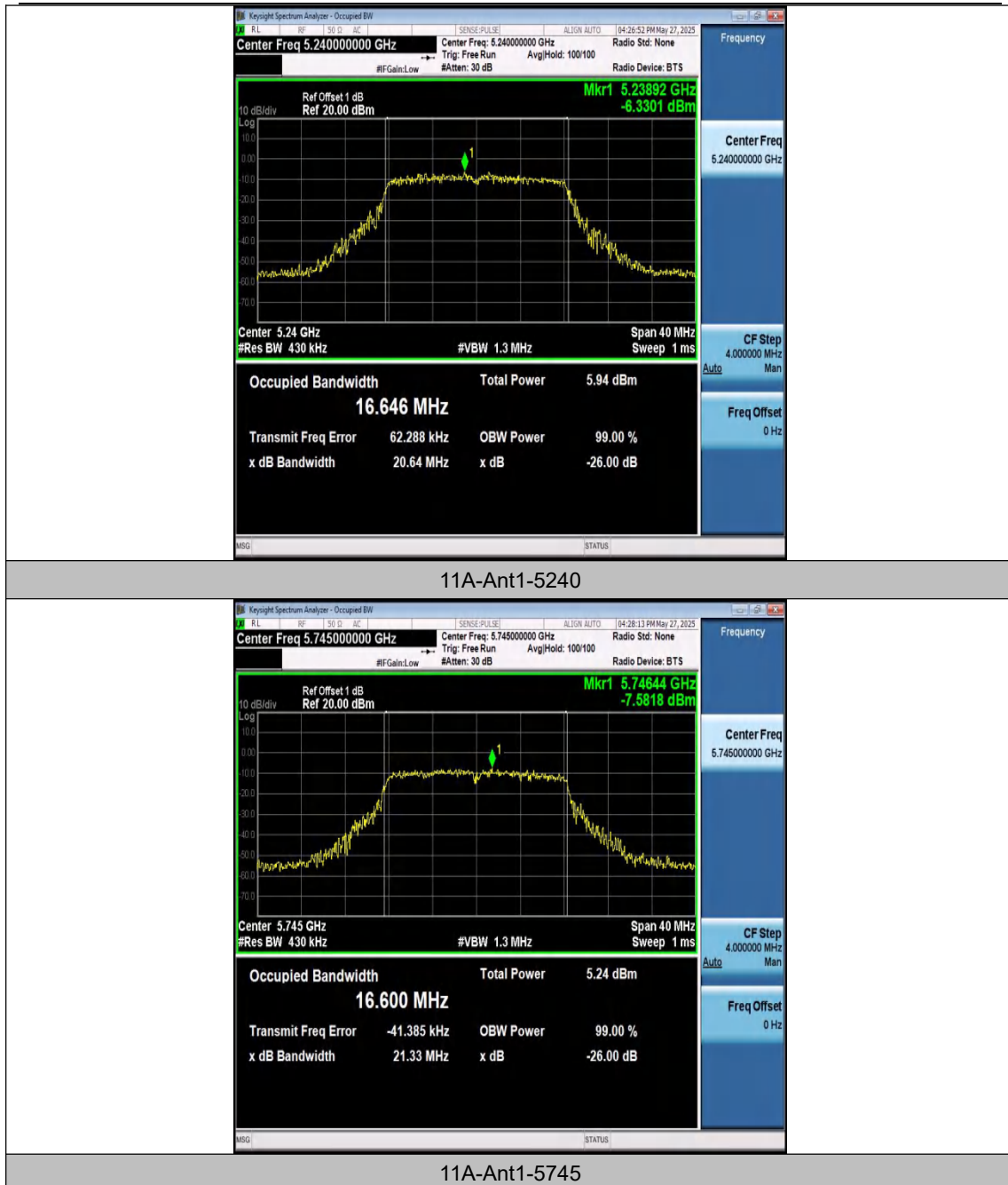
## Test Graphs



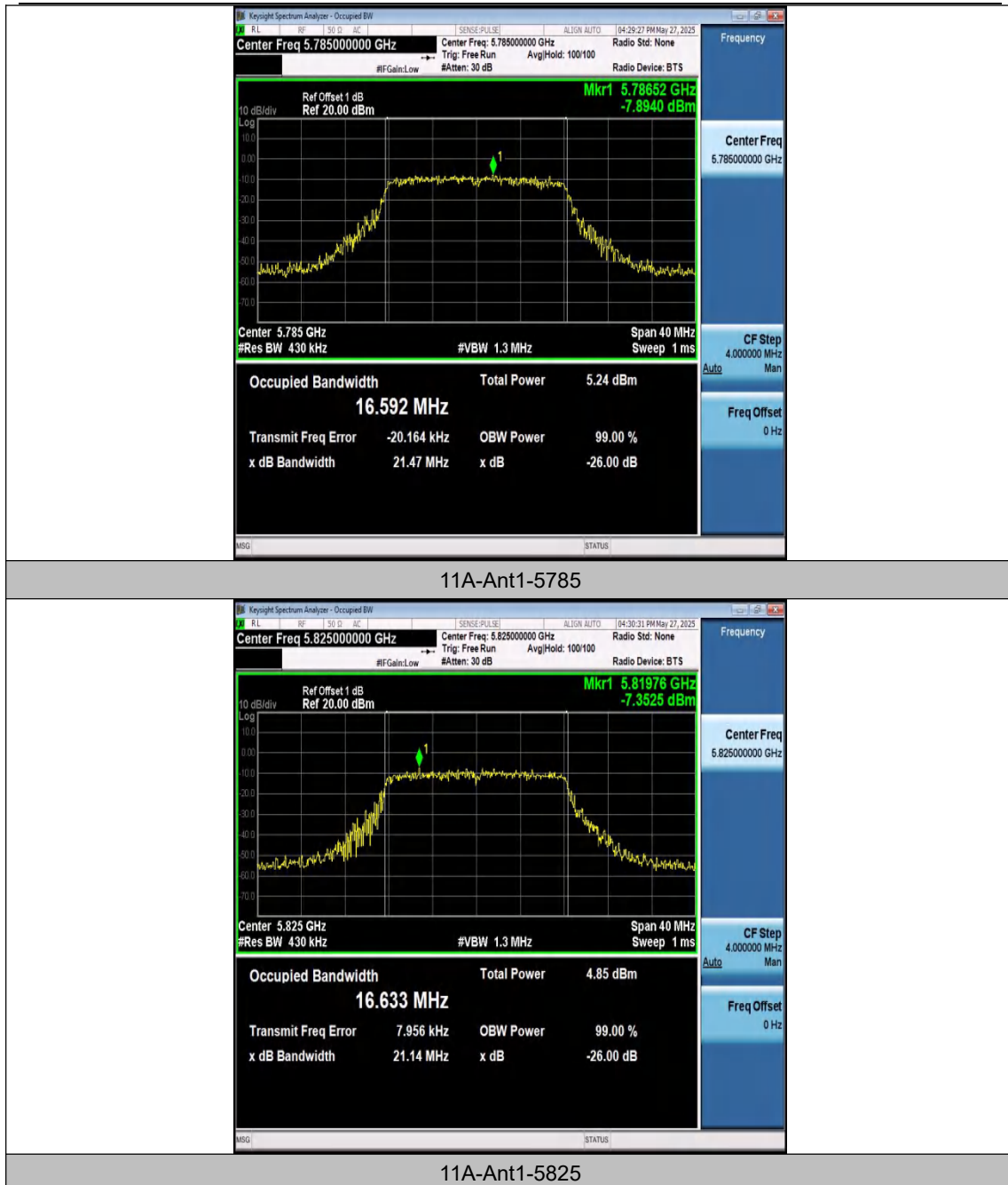
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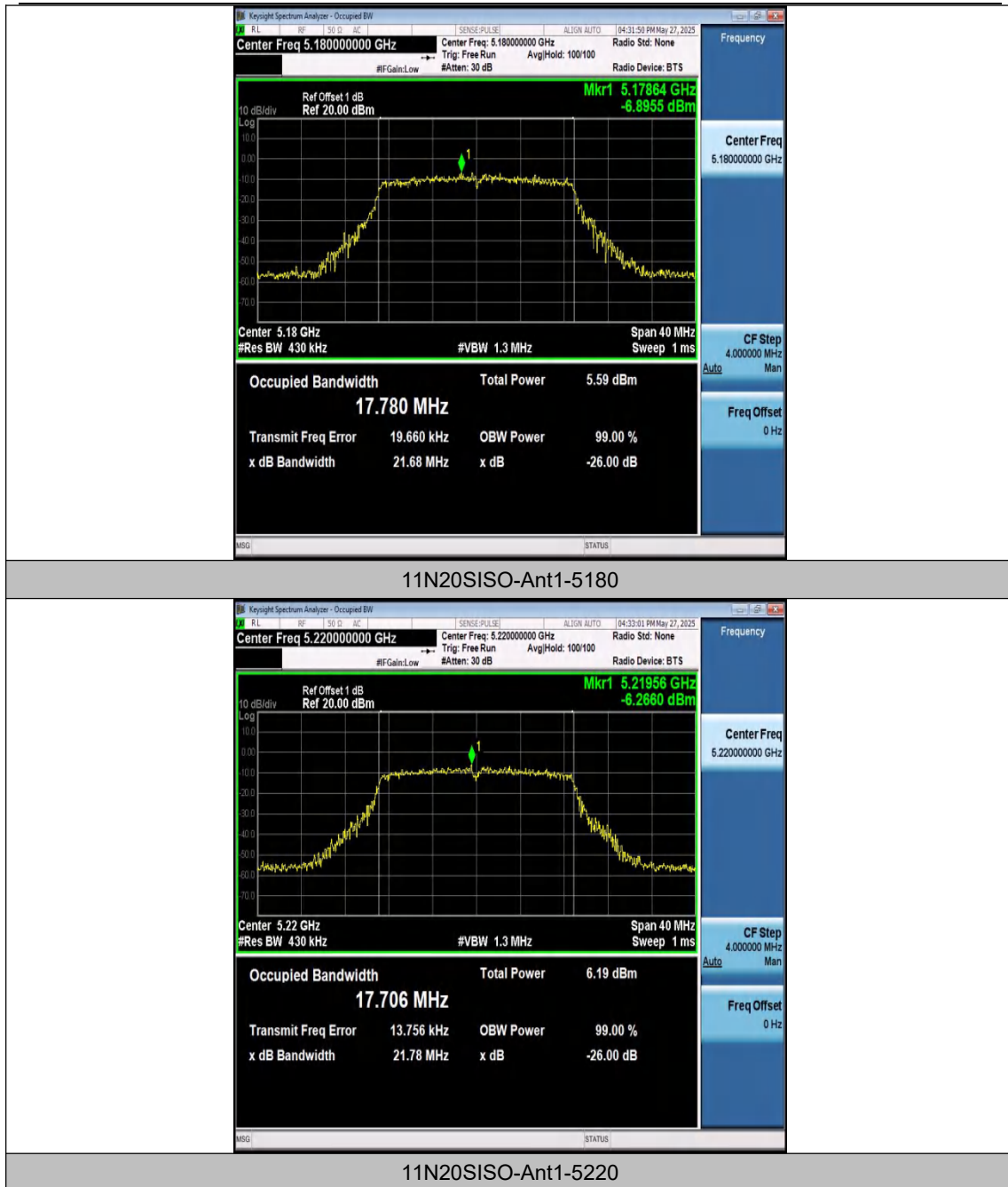
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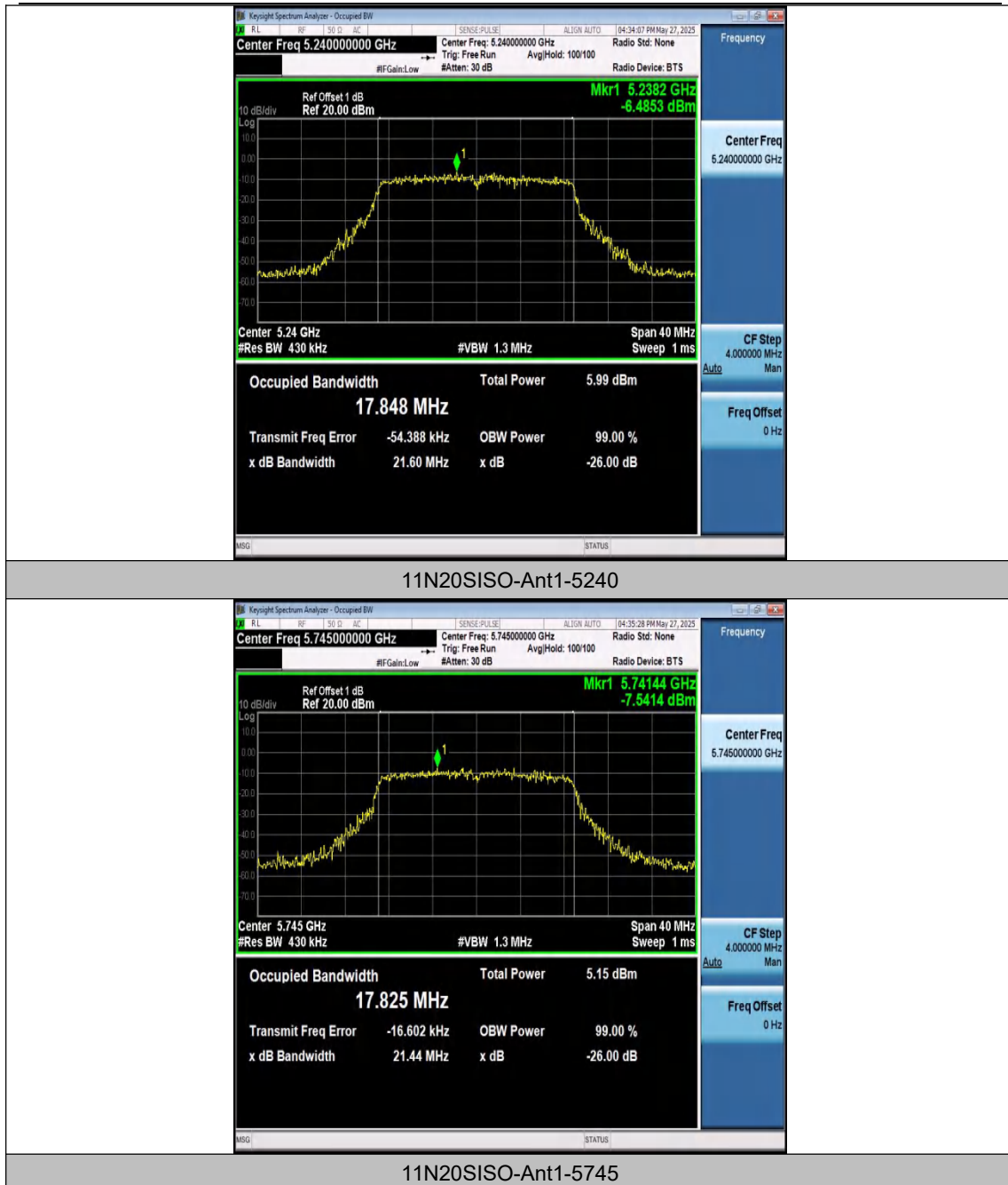


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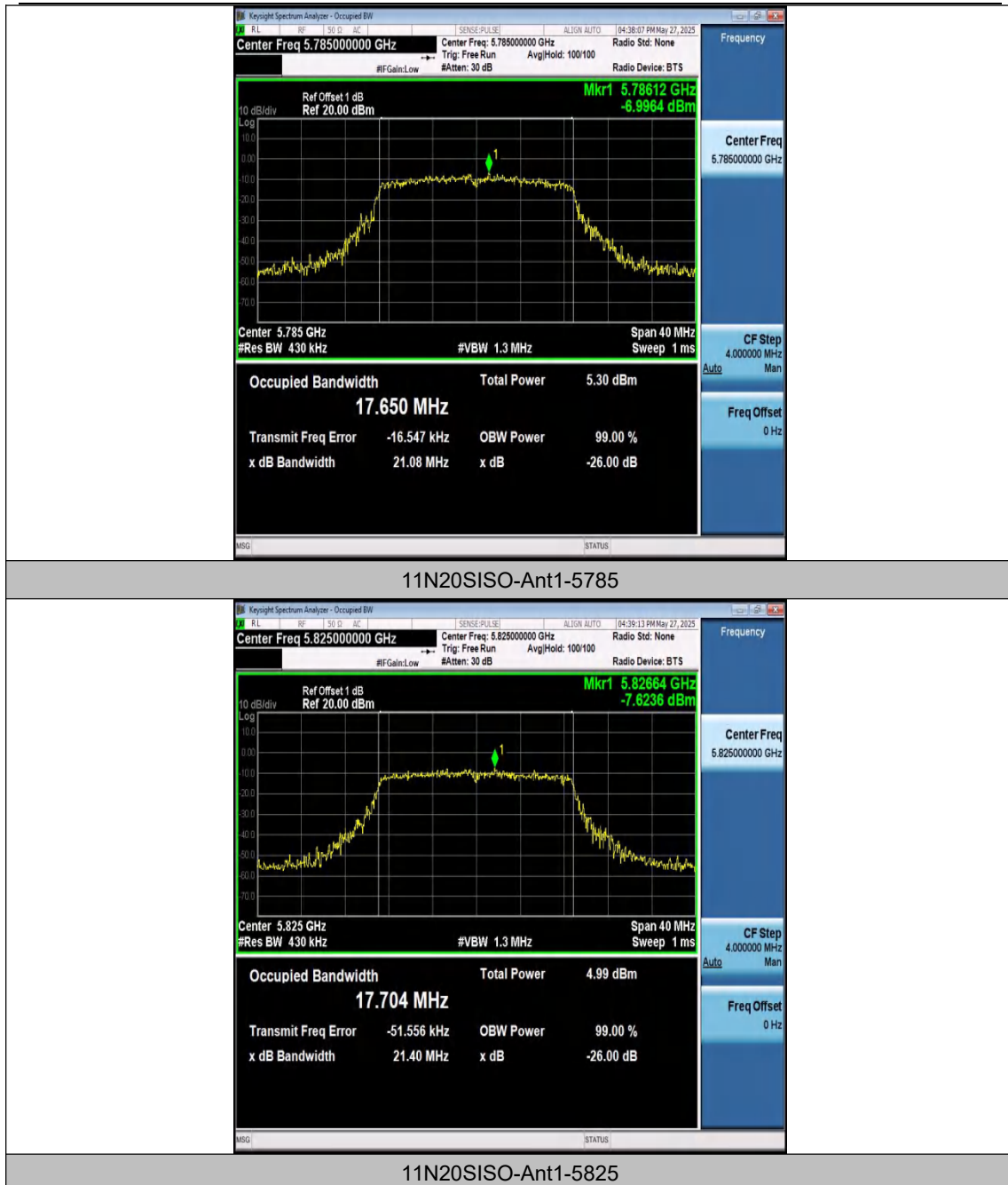


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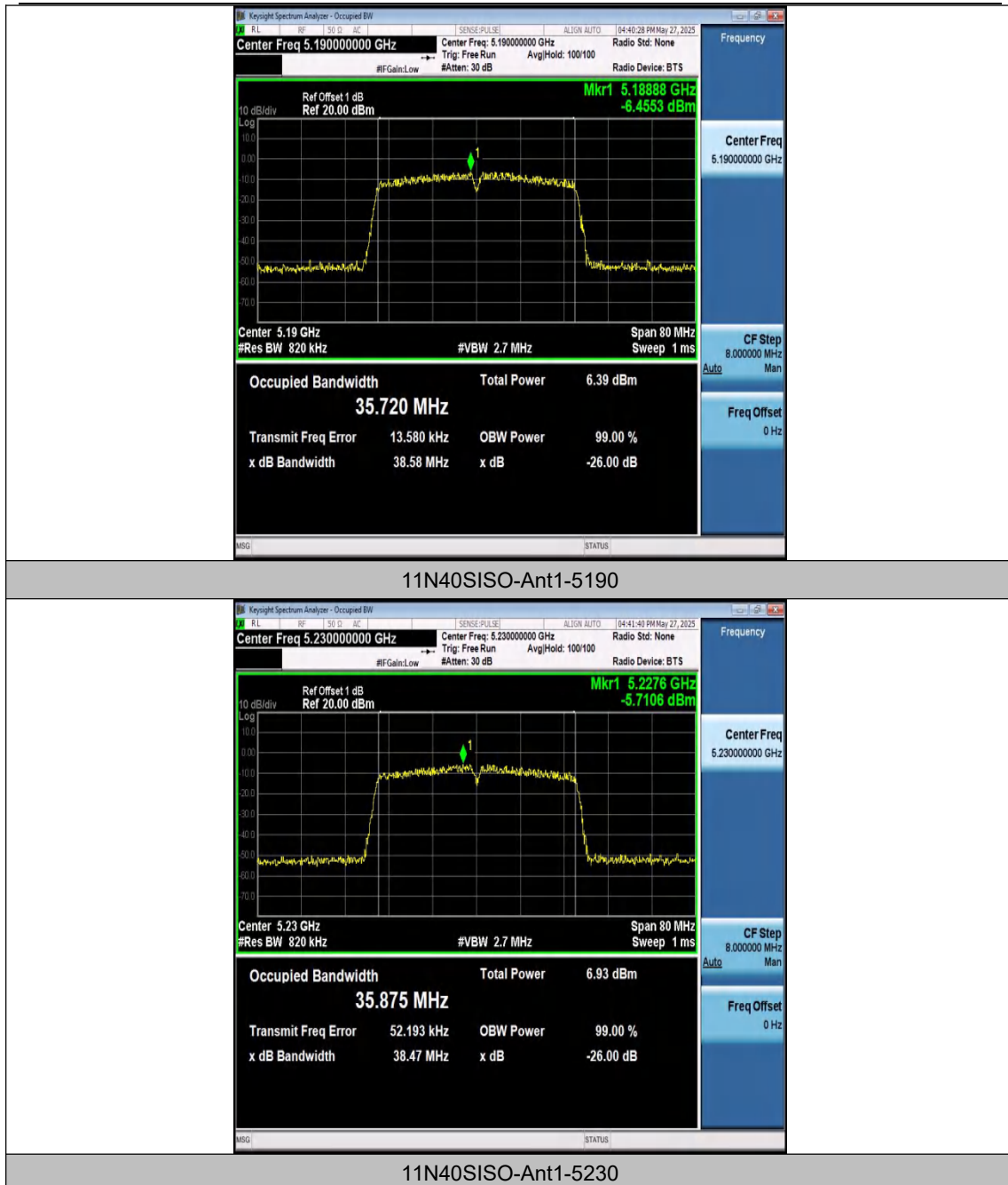


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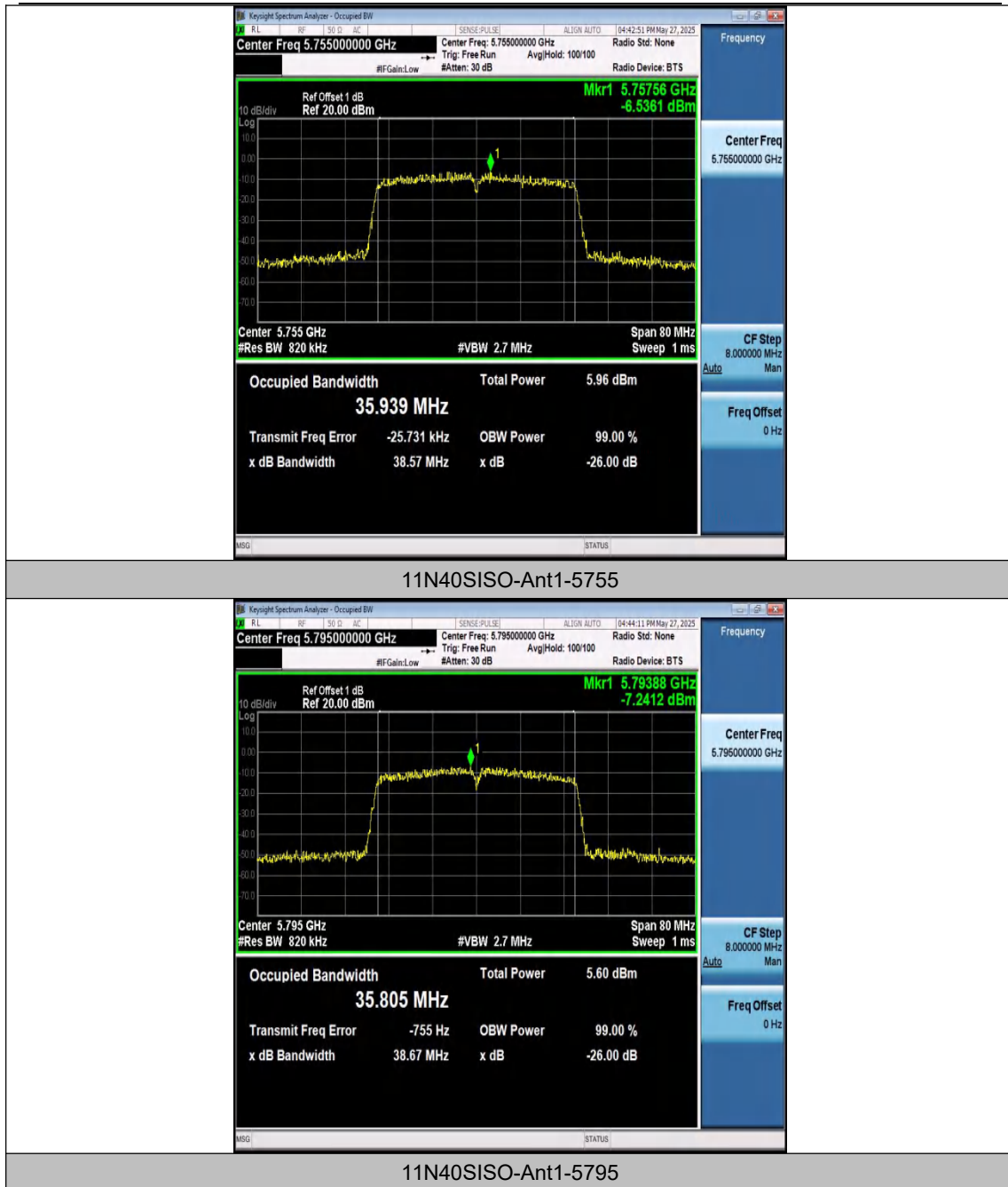
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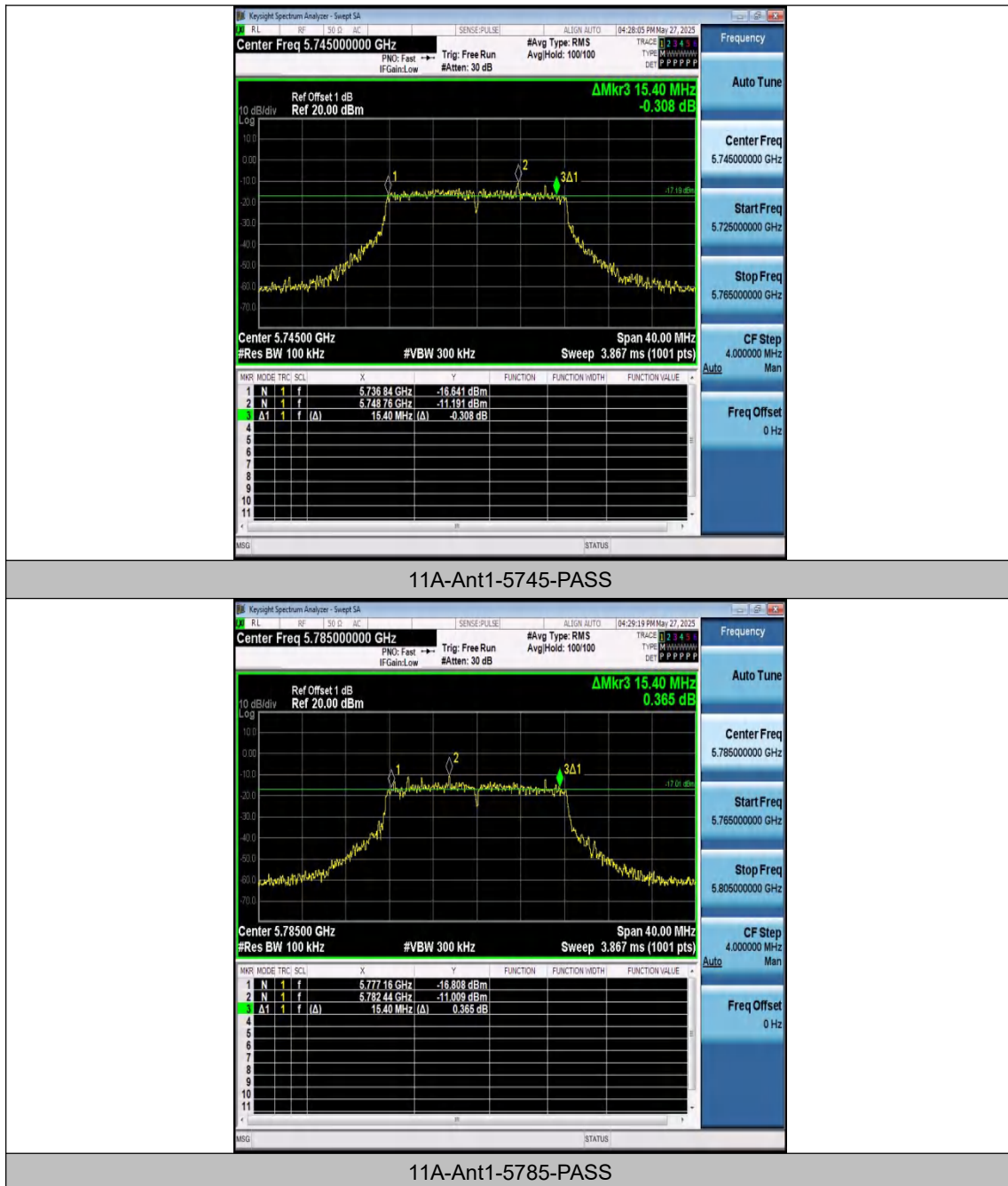
## Appendix A3: Minimum 6dB Bandwidth

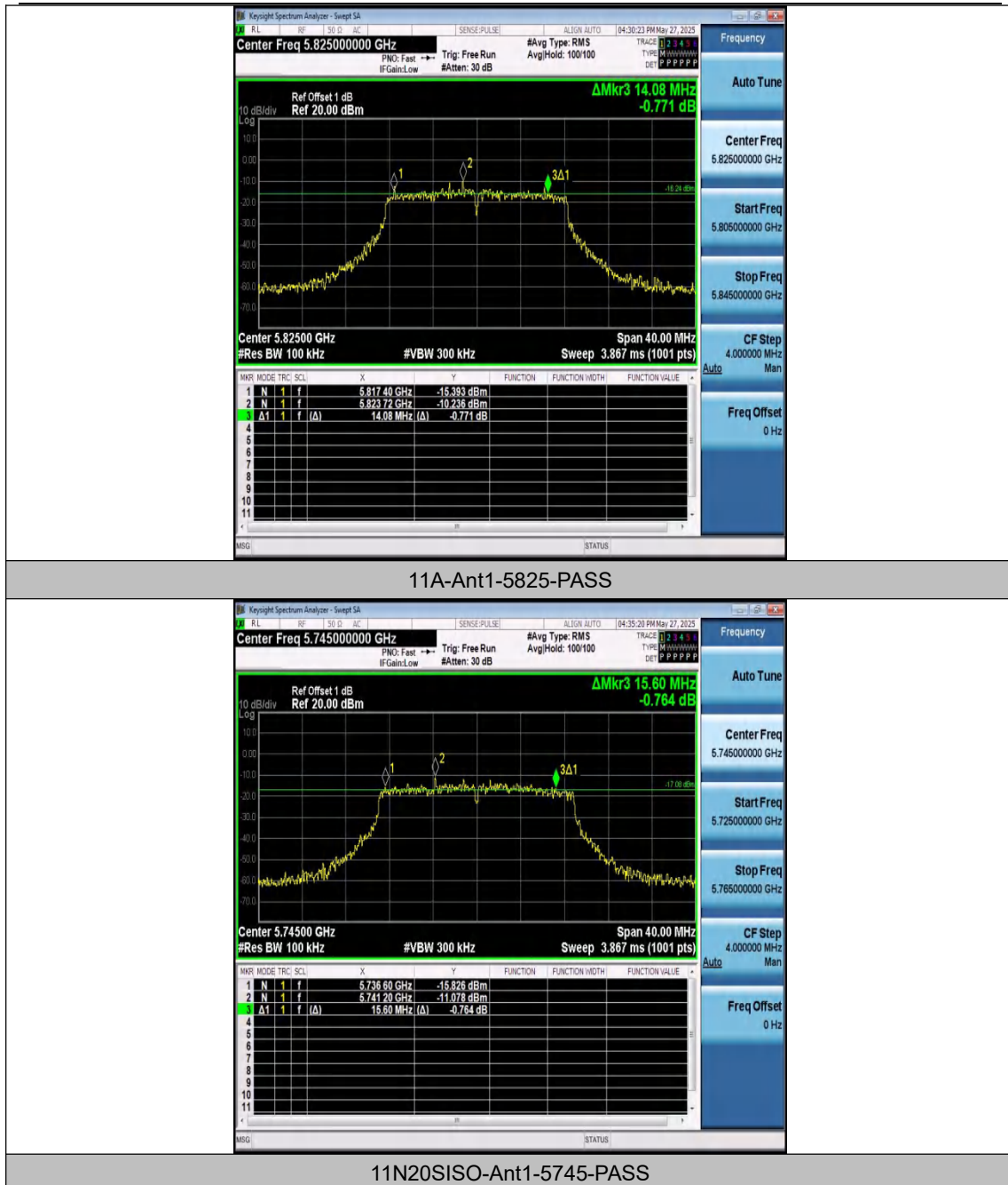
### Test Result B4

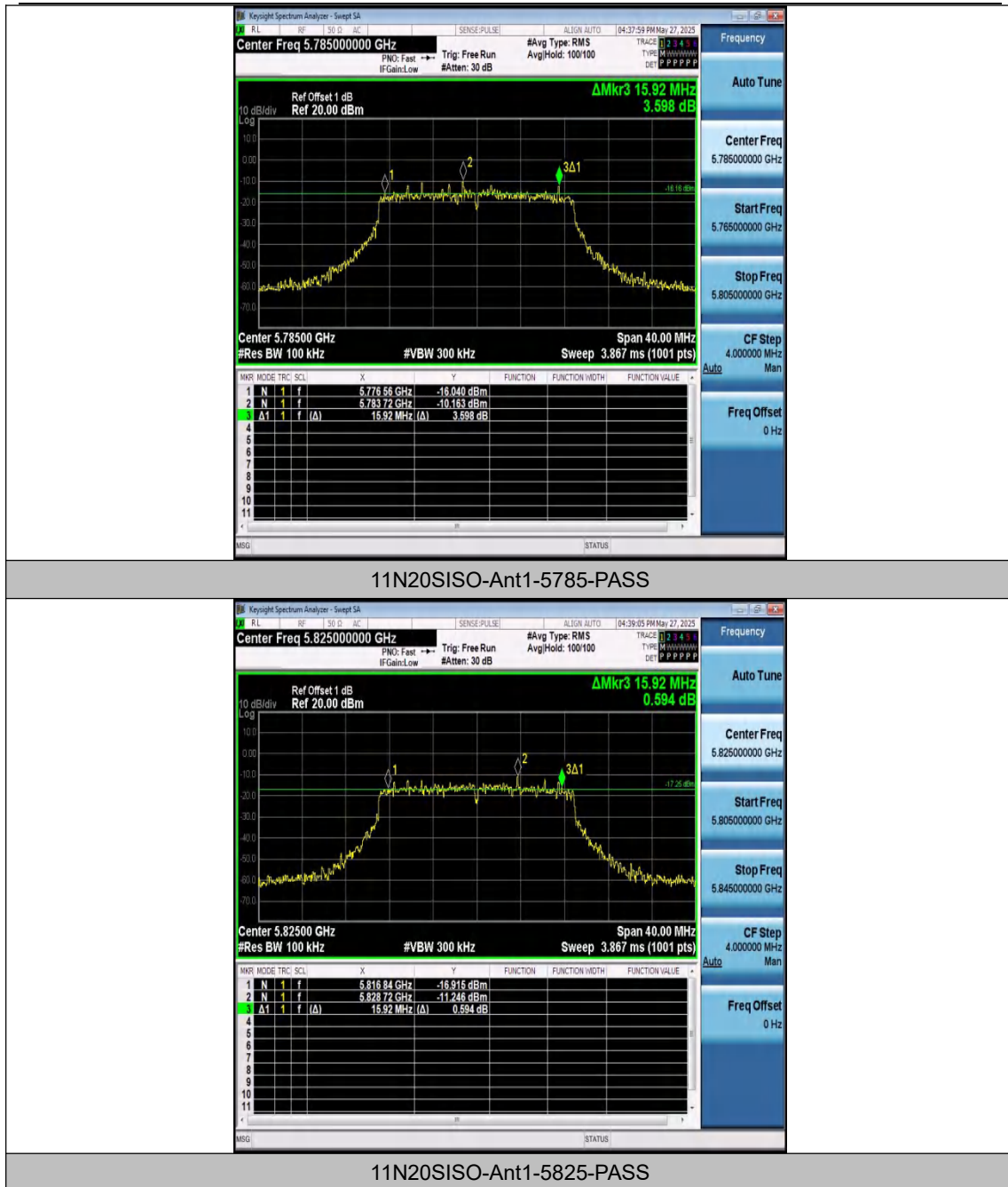
| Test Mode | Antenna | Frequency[MHz] | 6db EBW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|----------------|---------------|----------|----------|------------|---------|
| 11A       | Ant1    | 5745           | 15.400        | 5736.840 | 5752.240 | 0.5        | PASS    |
| 11A       | Ant1    | 5785           | 15.400        | 5777.160 | 5792.560 | 0.5        | PASS    |
| 11A       | Ant1    | 5825           | 14.080        | 5817.400 | 5831.480 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 5745           | 15.600        | 5736.600 | 5752.200 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 5785           | 15.920        | 5776.560 | 5792.480 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 5825           | 15.920        | 5816.840 | 5832.760 | 0.5        | PASS    |
| 11N40SISO | Ant1    | 5755           | 30.880        | 5737.480 | 5768.360 | 0.5        | PASS    |
| 11N40SISO | Ant1    | 5795           | 35.040        | 5777.400 | 5812.440 | 0.5        | PASS    |



## Test Graphs B4







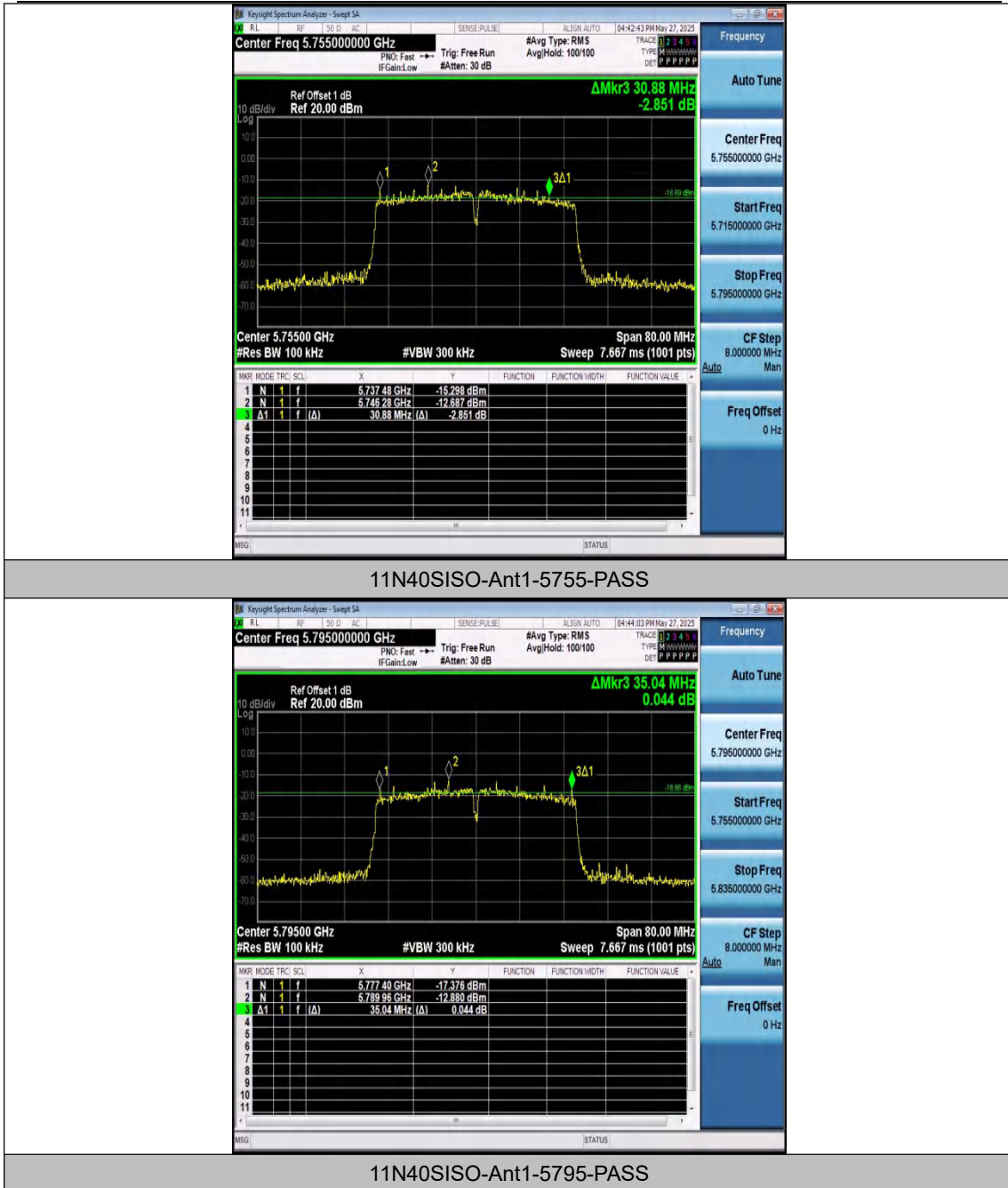
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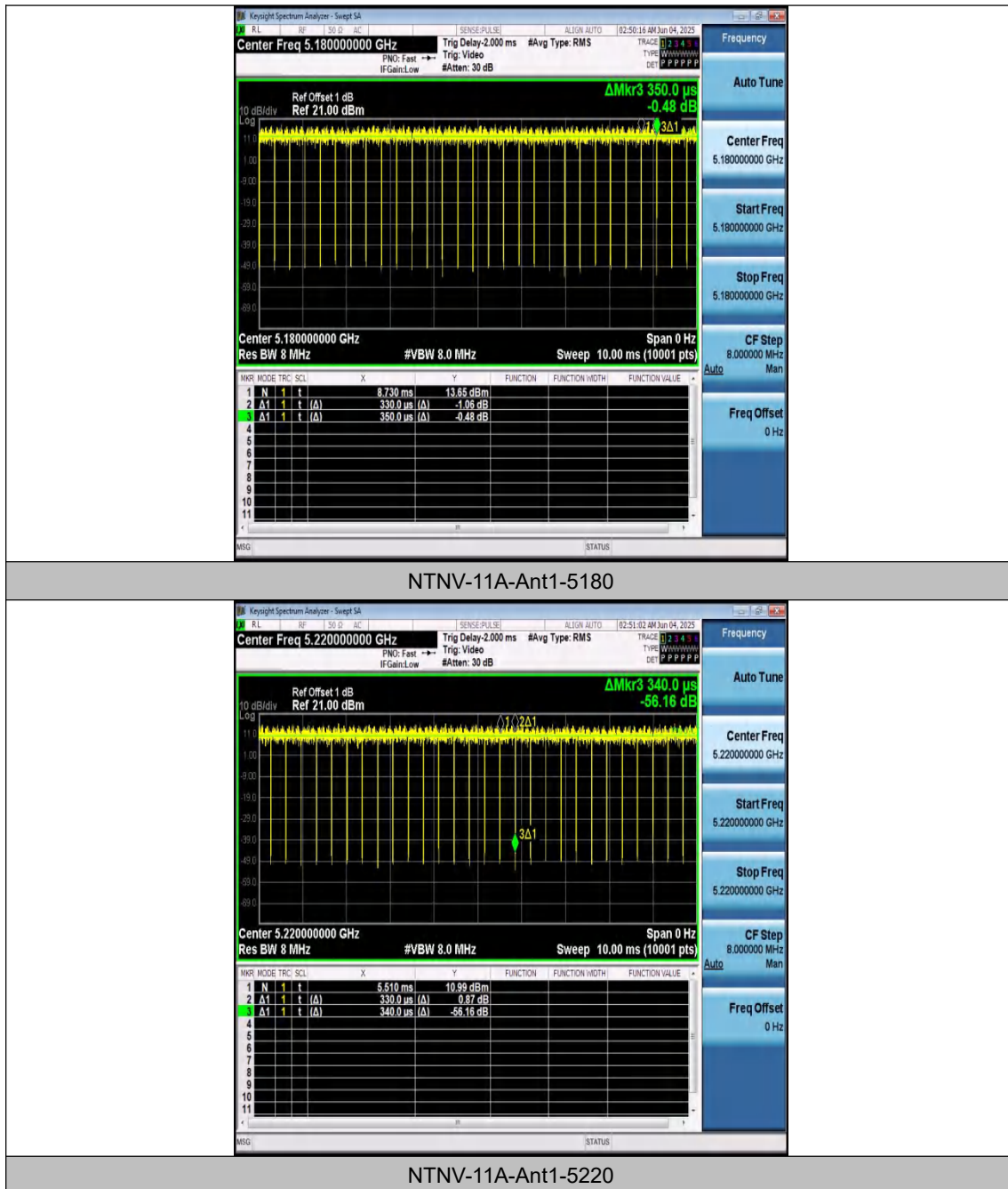
## Appendix B: Duty Cycle

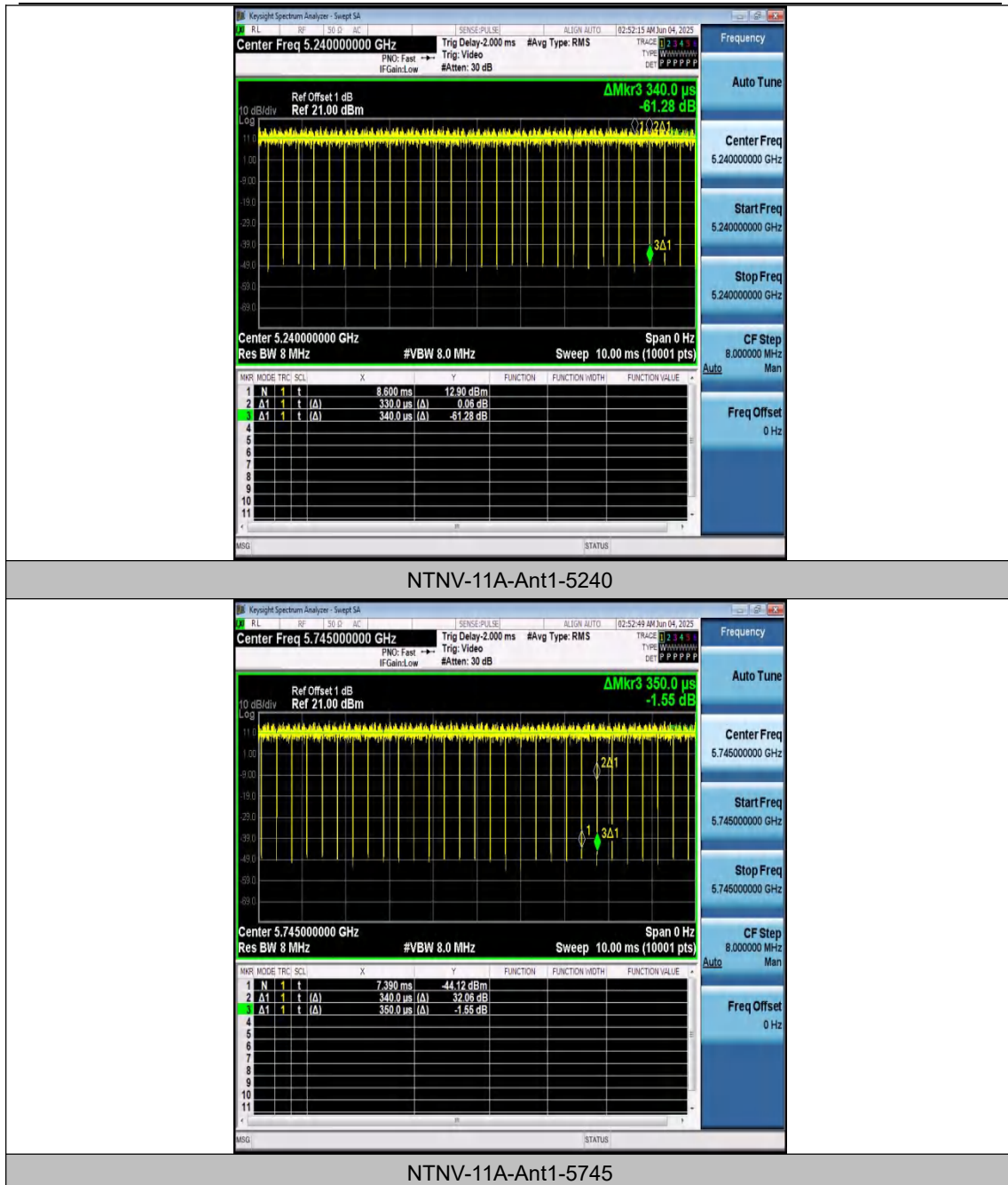
### Test Result

| Test Mode | Antenna | Frequency[MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Dc Factor [dB] | 1/T  |
|-----------|---------|----------------|----------------------------|--------------------------|----------------|----------------|------|
| 11A       | Ant1    | 5180           | 0.33                       | 0.35                     | 94.29          | 0.26           | 3.03 |
| 11A       | Ant1    | 5220           | 0.33                       | 0.34                     | 97.06          | 0.13           | 3.03 |
| 11A       | Ant1    | 5240           | 0.33                       | 0.34                     | 97.06          | 0.13           | 3.03 |
| 11A       | Ant1    | 5745           | 0.34                       | 0.35                     | 97.14          | 0.13           | 2.94 |
| 11A       | Ant1    | 5785           | 0.34                       | 0.35                     | 97.14          | 0.13           | 2.94 |
| 11A       | Ant1    | 5825           | 0.33                       | 0.35                     | 94.29          | 0.26           | 3.03 |
| 11N20SISO | Ant1    | 5180           | 0.33                       | 0.34                     | 97.06          | 0.13           | 3.03 |
| 11N20SISO | Ant1    | 5220           | 0.33                       | 0.34                     | 97.06          | 0.13           | 3.03 |
| 11N20SISO | Ant1    | 5240           | 0.33                       | 0.34                     | 97.06          | 0.13           | 3.03 |
| 11N20SISO | Ant1    | 5745           | 0.32                       | 0.34                     | 94.12          | 0.26           | 3.13 |
| 11N20SISO | Ant1    | 5785           | 0.33                       | 0.34                     | 97.06          | 0.13           | 3.03 |
| 11N20SISO | Ant1    | 5825           | 0.32                       | 0.34                     | 94.12          | 0.26           | 3.13 |
| 11N40SISO | Ant1    | 5190           | 0.18                       | 0.19                     | 94.74          | 0.23           | 5.56 |
| 11N40SISO | Ant1    | 5230           | 0.18                       | 0.19                     | 94.74          | 0.23           | 5.56 |
| 11N40SISO | Ant1    | 5755           | 0.18                       | 0.19                     | 94.74          | 0.23           | 5.56 |
| 11N40SISO | Ant1    | 5795           | 0.18                       | 0.19                     | 94.74          | 0.23           | 5.56 |

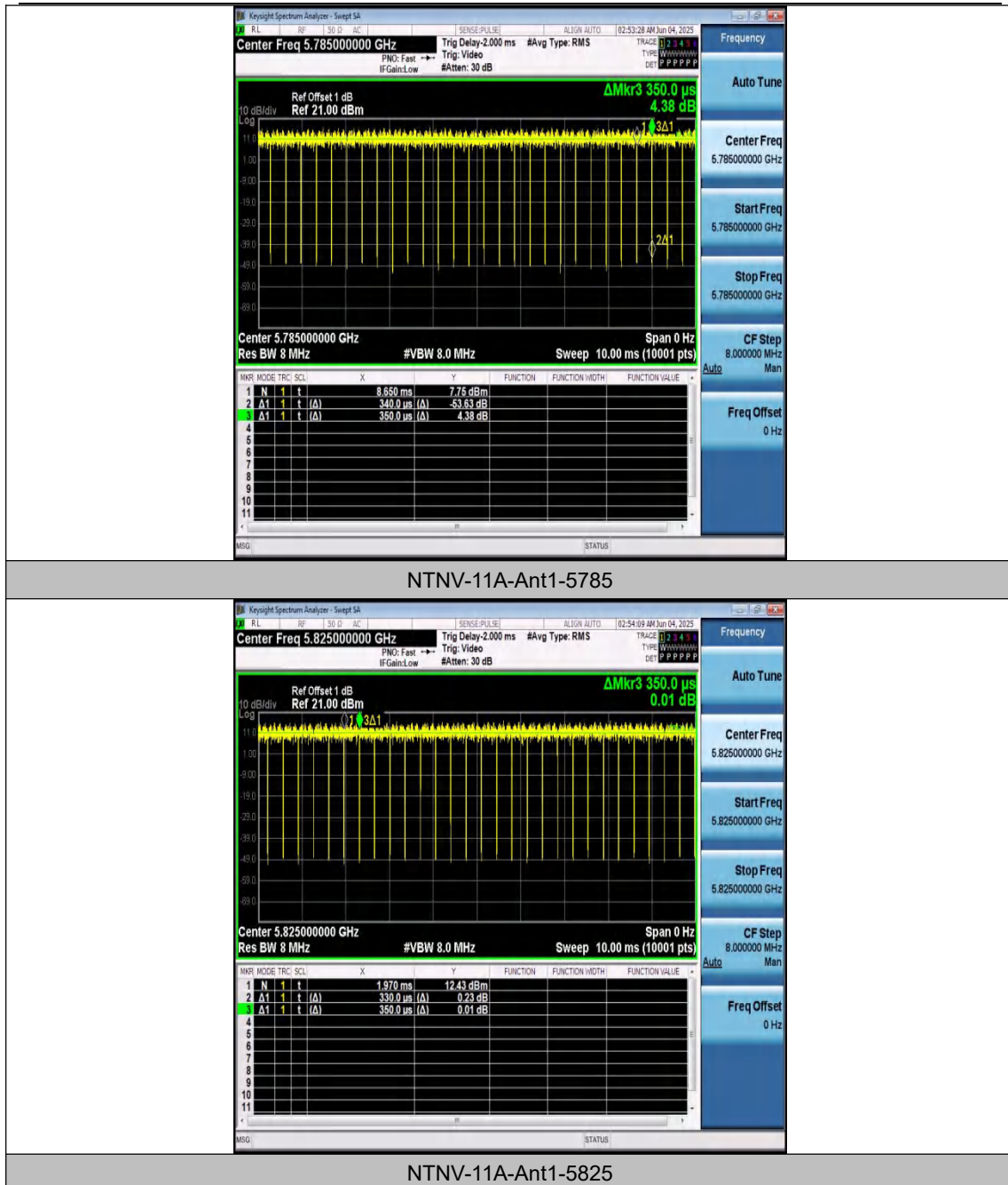


## Test Graphs







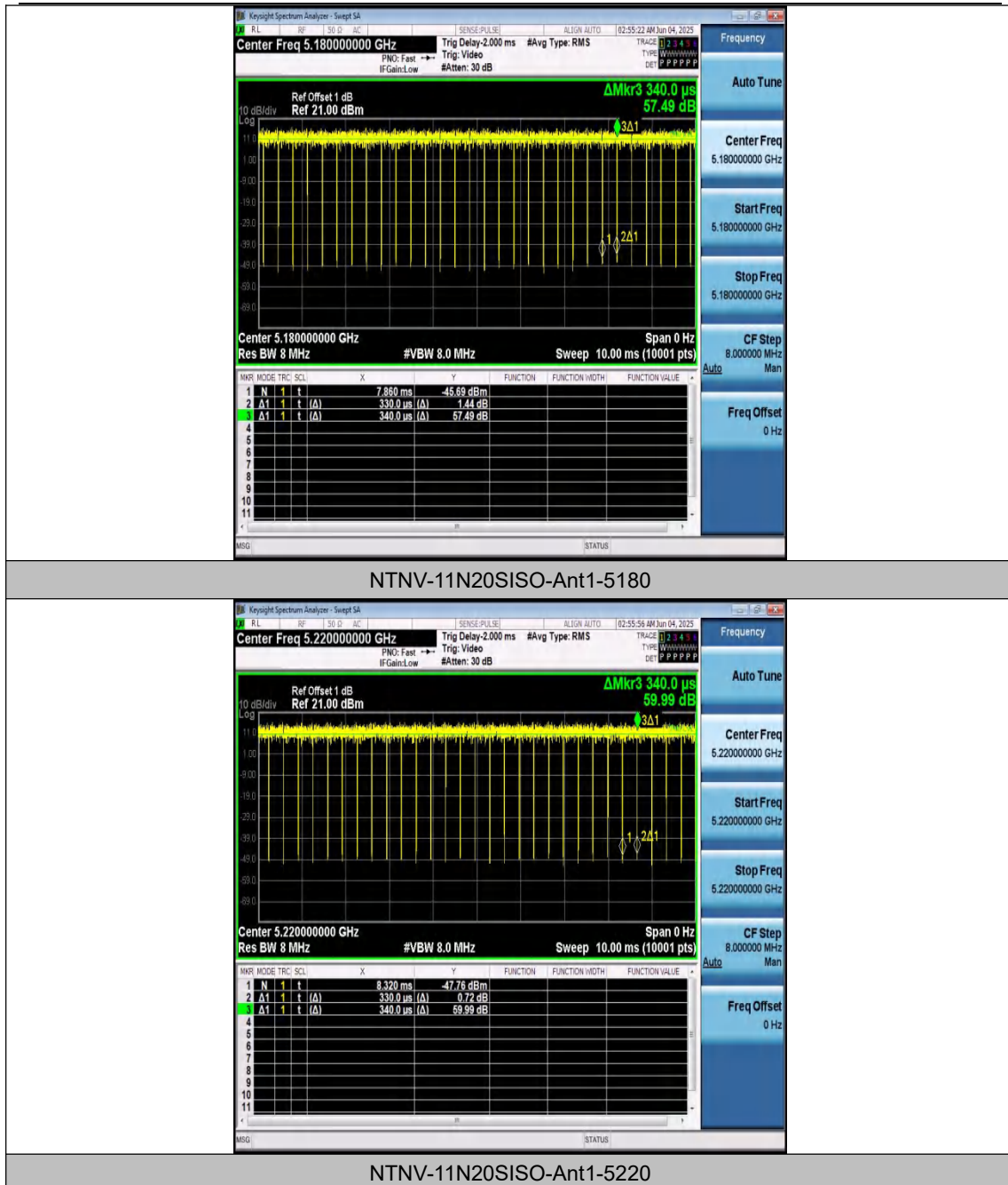


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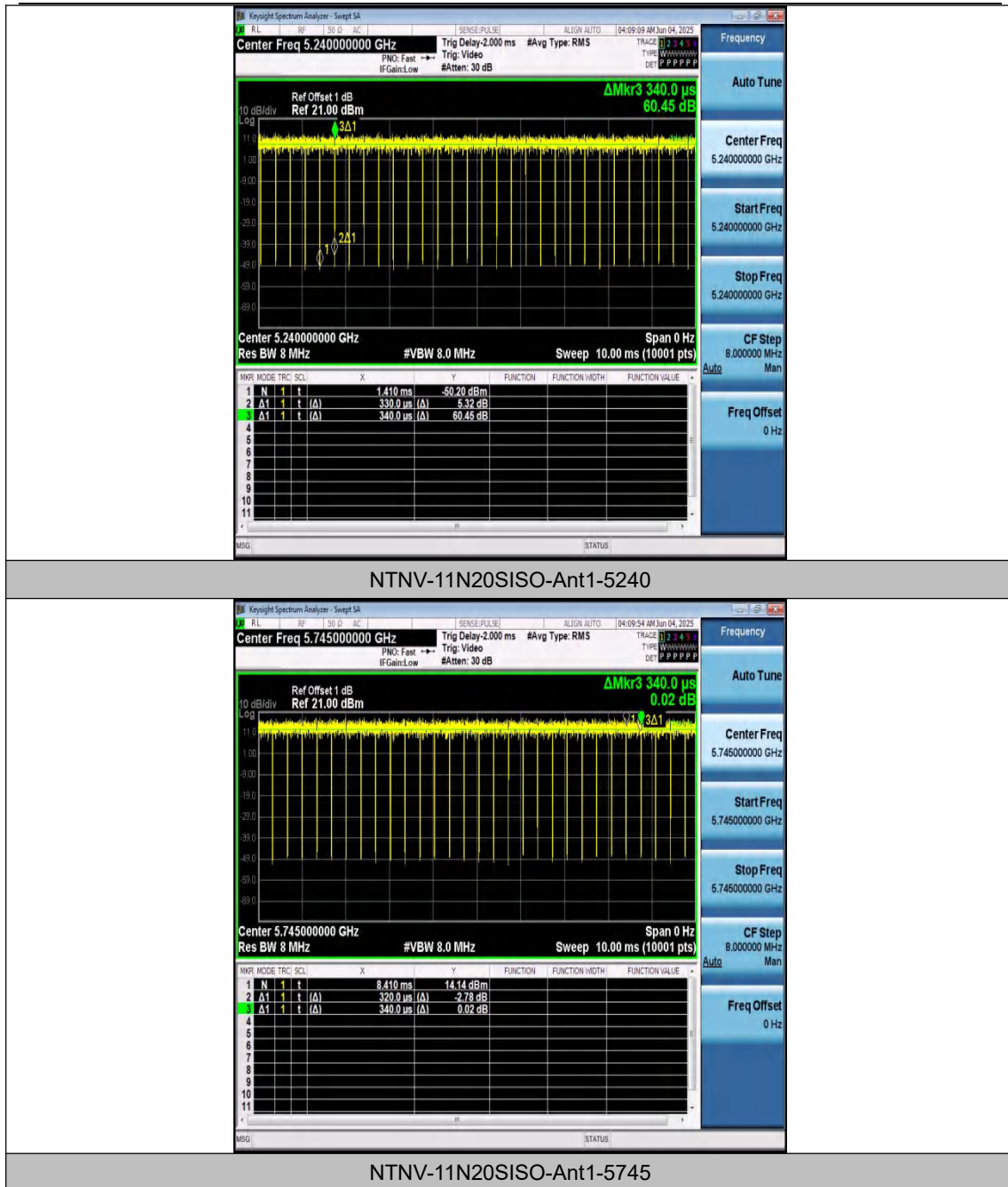




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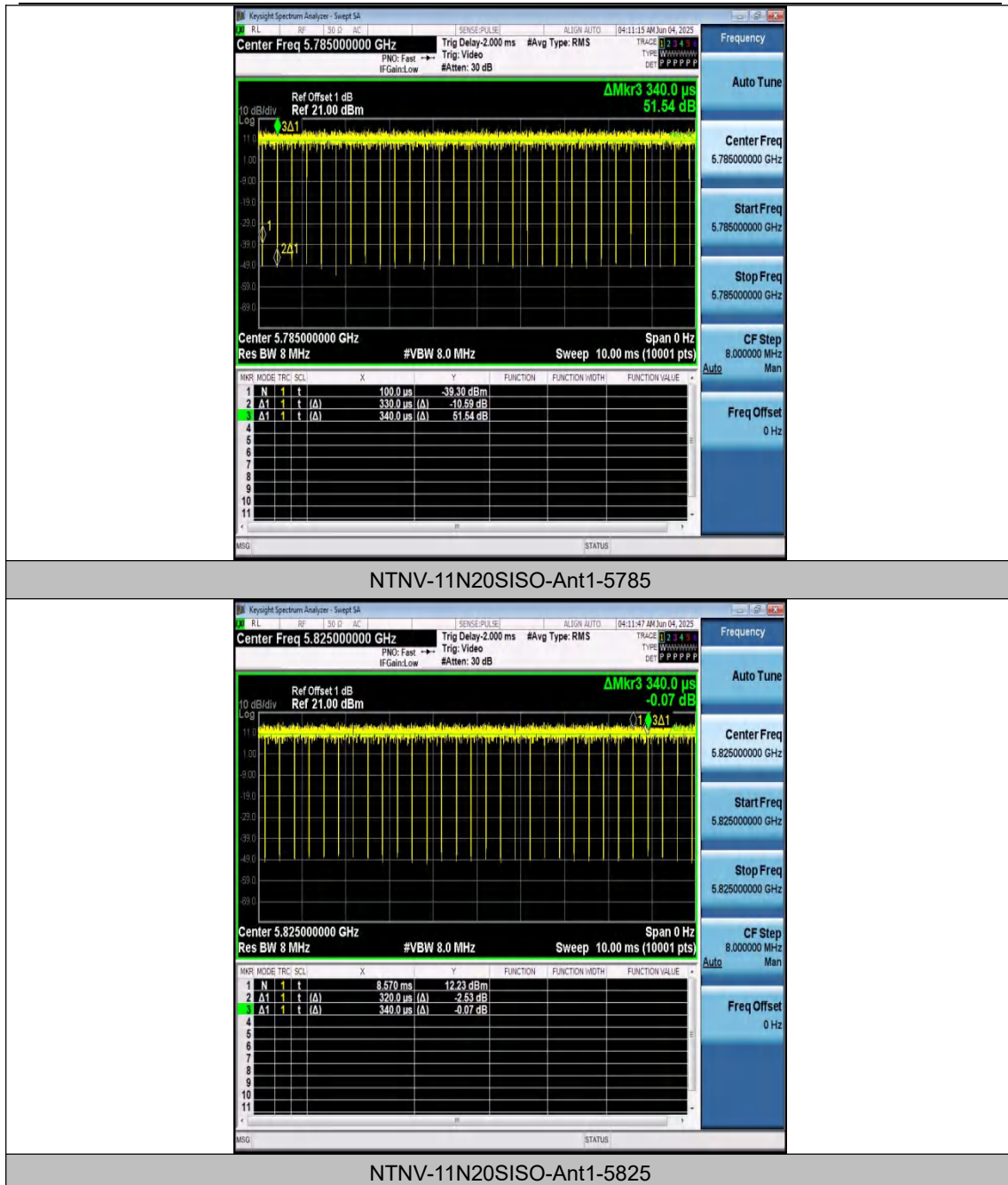


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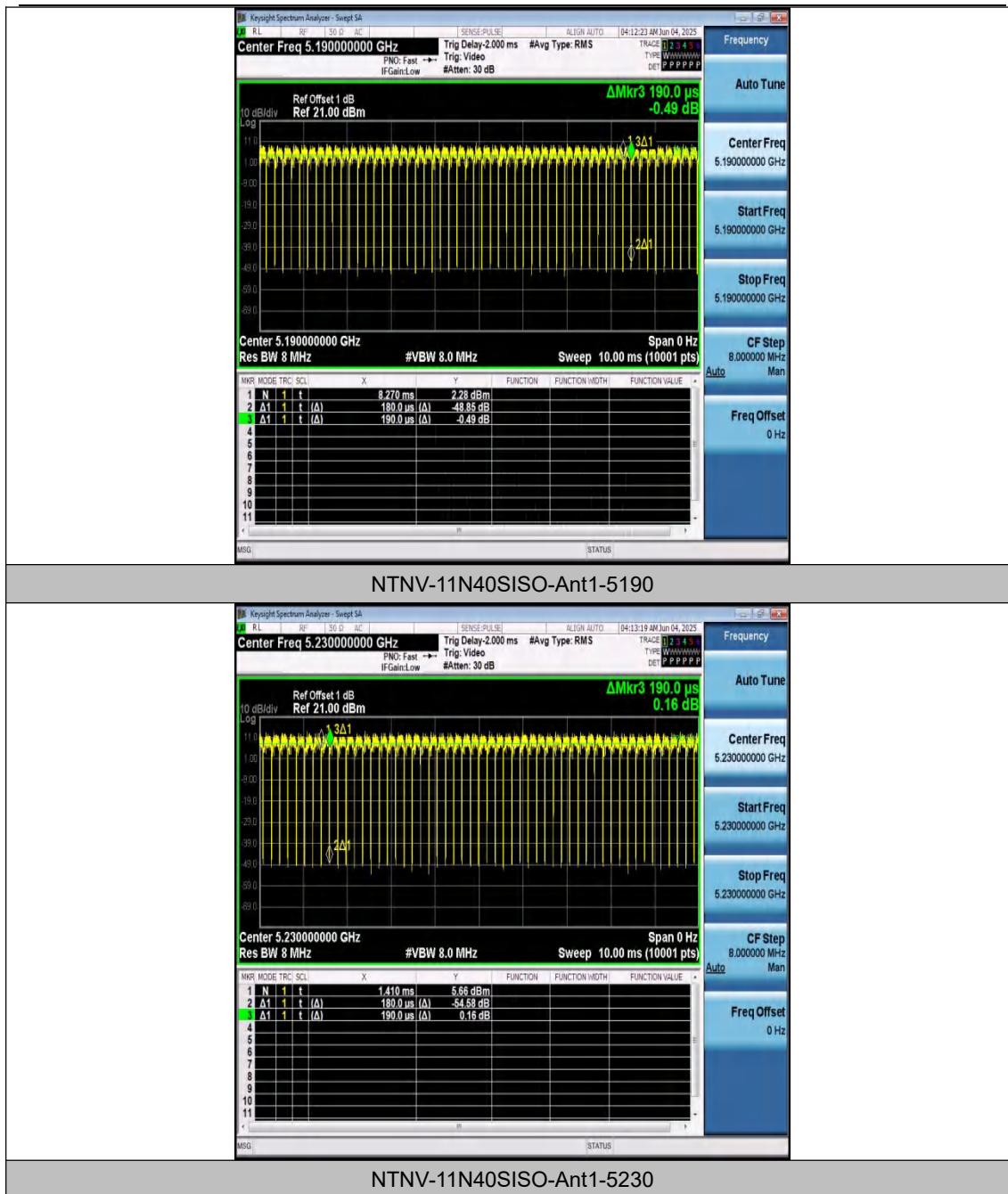
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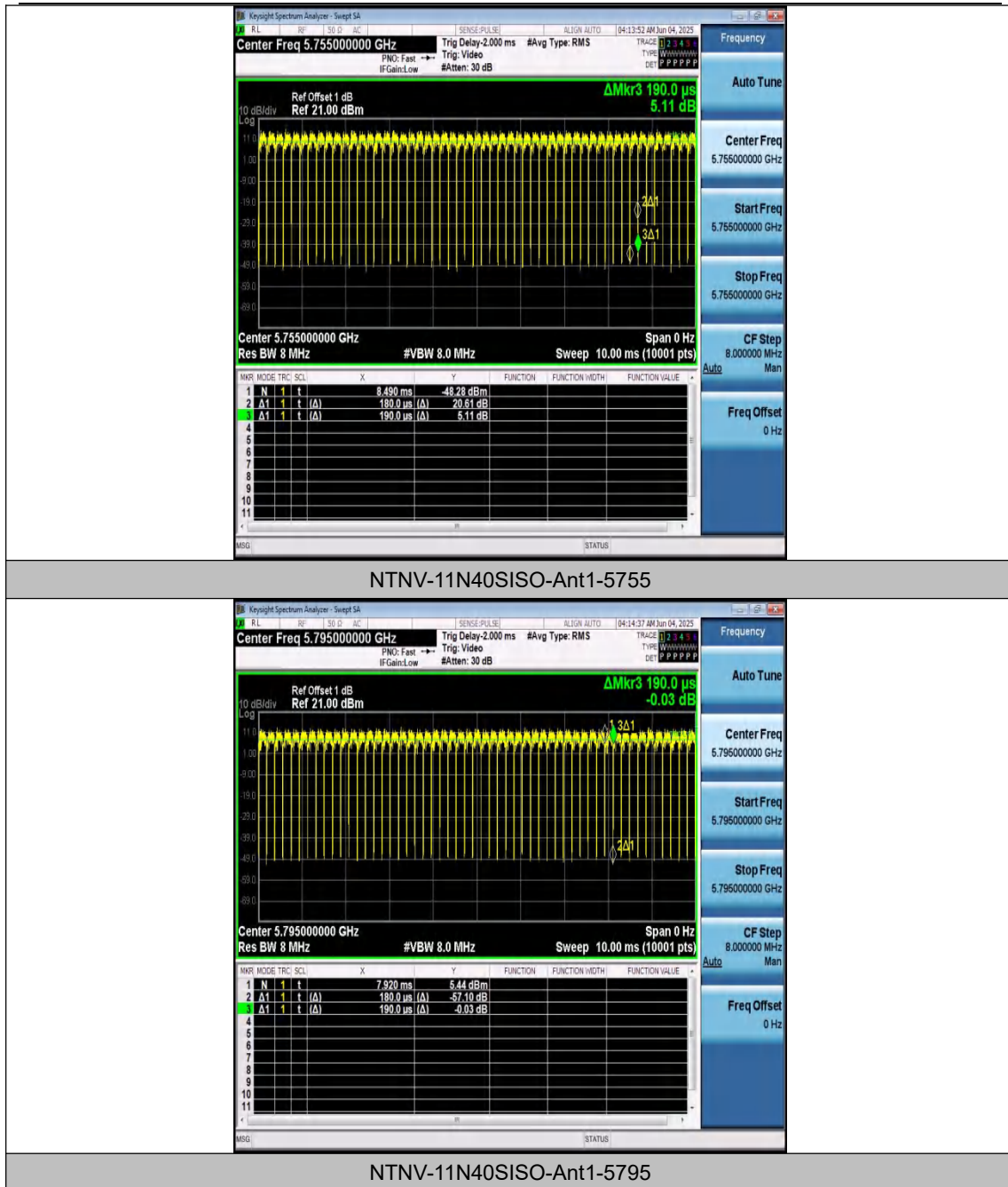
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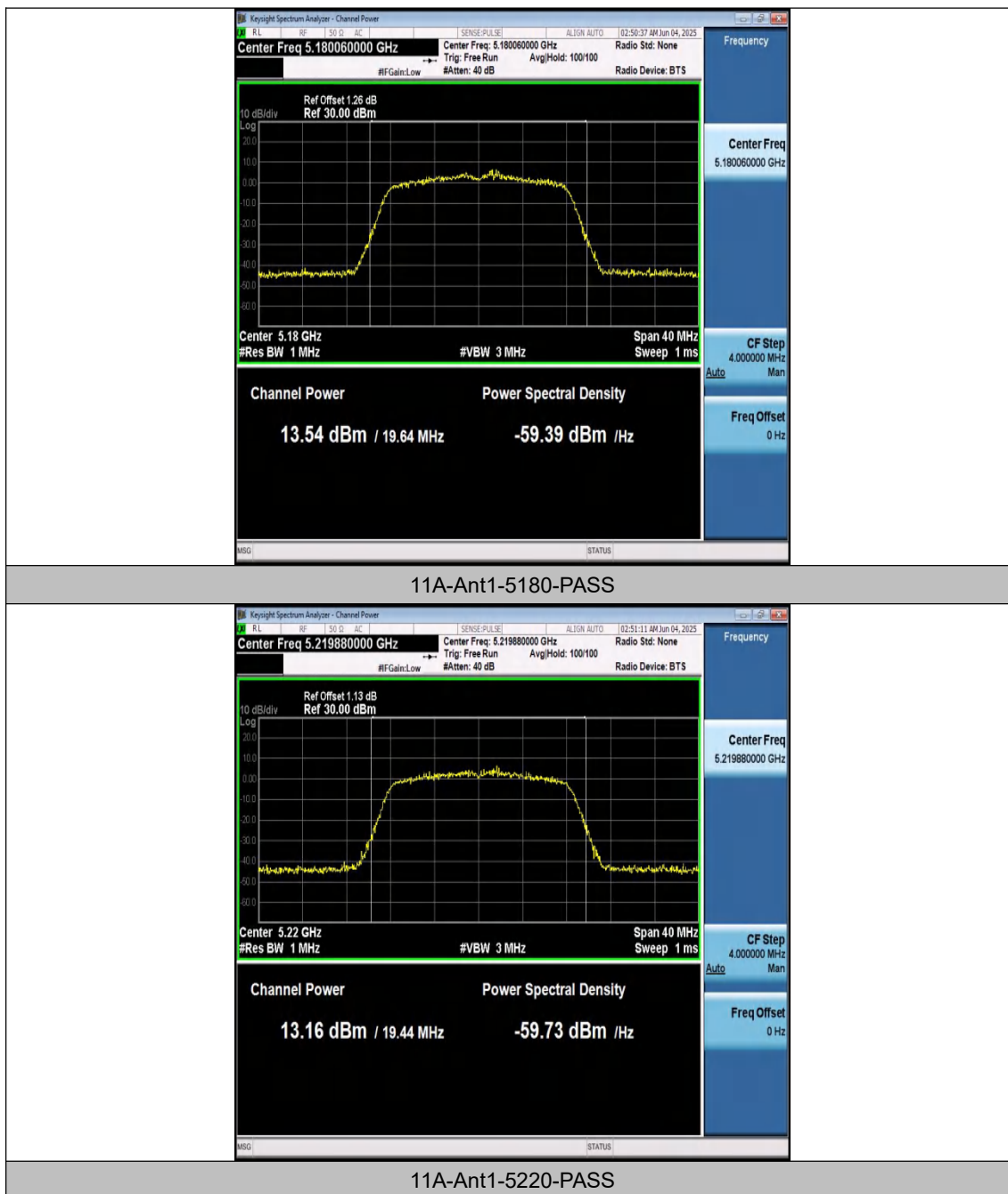
## Appendix C: Maximum Conducted Output Power

### 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           | 13.28               | 94.29          | 0.26           | 13.54        | ≤23.98      | PASS    |
| 11A       | Ant1    | 5220           | 13.03               | 97.06          | 0.13           | 13.16        | ≤23.98      | PASS    |
| 11A       | Ant1    | 5240           | 14.14               | 97.06          | 0.13           | <b>14.27</b> | ≤23.98      | PASS    |
| 11A       | Ant1    | 5745           | 14.06               | 97.14          | 0.13           | 14.19        | ≤30.00      | PASS    |
| 11A       | Ant1    | 5785           | 13.91               | 97.14          | 0.13           | 14.04        | ≤30.00      | PASS    |
| 11A       | Ant1    | 5825           | 14.02               | 94.29          | 0.26           | <b>14.28</b> | ≤30.00      | PASS    |
| 11N20SISO | Ant1    | 5180           | 13.76               | 97.06          | 0.13           | 13.89        | ≤23.98      | PASS    |
| 11N20SISO | Ant1    | 5220           | 13.50               | 97.06          | 0.13           | 13.63        | ≤23.98      | PASS    |
| 11N20SISO | Ant1    | 5240           | 13.28               | 97.06          | 0.13           | 13.41        | ≤23.98      | PASS    |
| 11N20SISO | Ant1    | 5745           | 13.61               | 94.12          | 0.26           | 13.87        | ≤30.00      | PASS    |
| 11N20SISO | Ant1    | 5785           | 13.70               | 97.06          | 0.13           | 13.83        | ≤30.00      | PASS    |
| 11N20SISO | Ant1    | 5825           | 13.85               | 94.12          | 0.26           | 14.11        | ≤30.00      | PASS    |
| 11N40SISO | Ant1    | 5190           | 13.38               | 94.74          | 0.23           | 13.61        | ≤23.98      | PASS    |
| 11N40SISO | Ant1    | 5230           | 13.96               | 94.74          | 0.23           | 14.19        | ≤23.98      | PASS    |
| 11N40SISO | Ant1    | 5755           | 13.79               | 94.74          | 0.23           | 14.02        | ≤30.00      | PASS    |
| 11N40SISO | Ant1    | 5795           | 13.86               | 94.74          | 0.23           | 14.09        | ≤30.00      | PASS    |

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

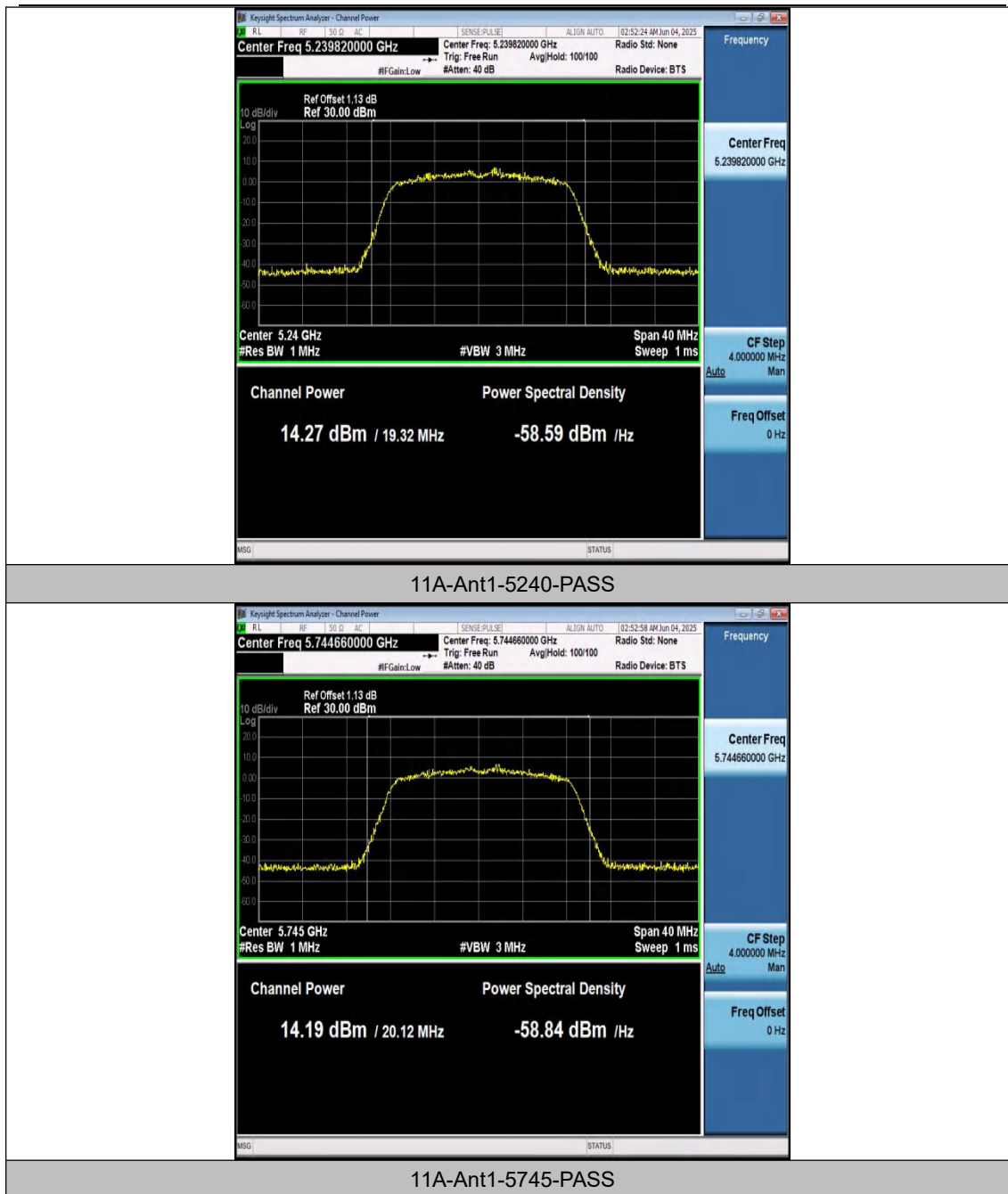
## Test Graphs Channel Power

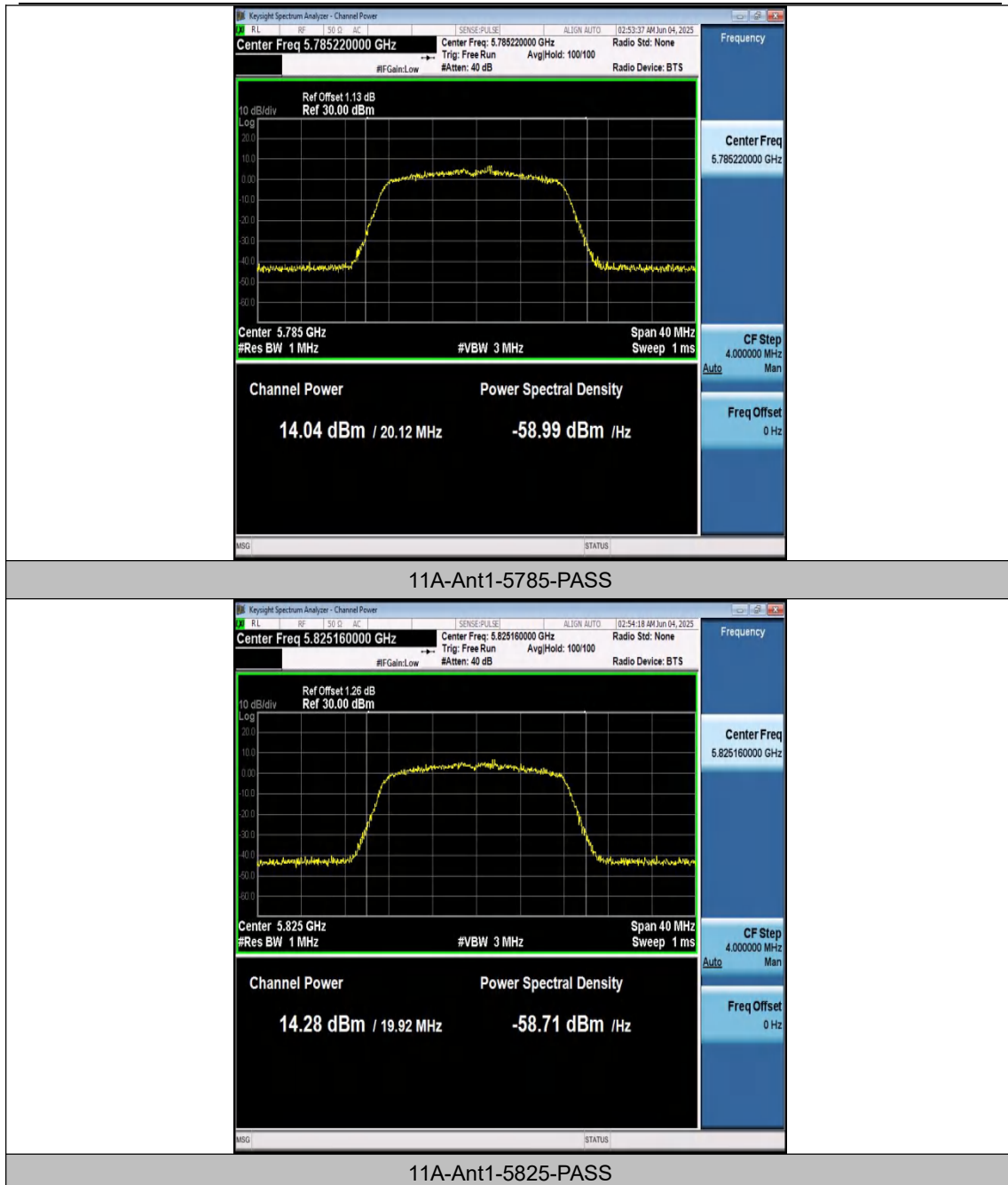


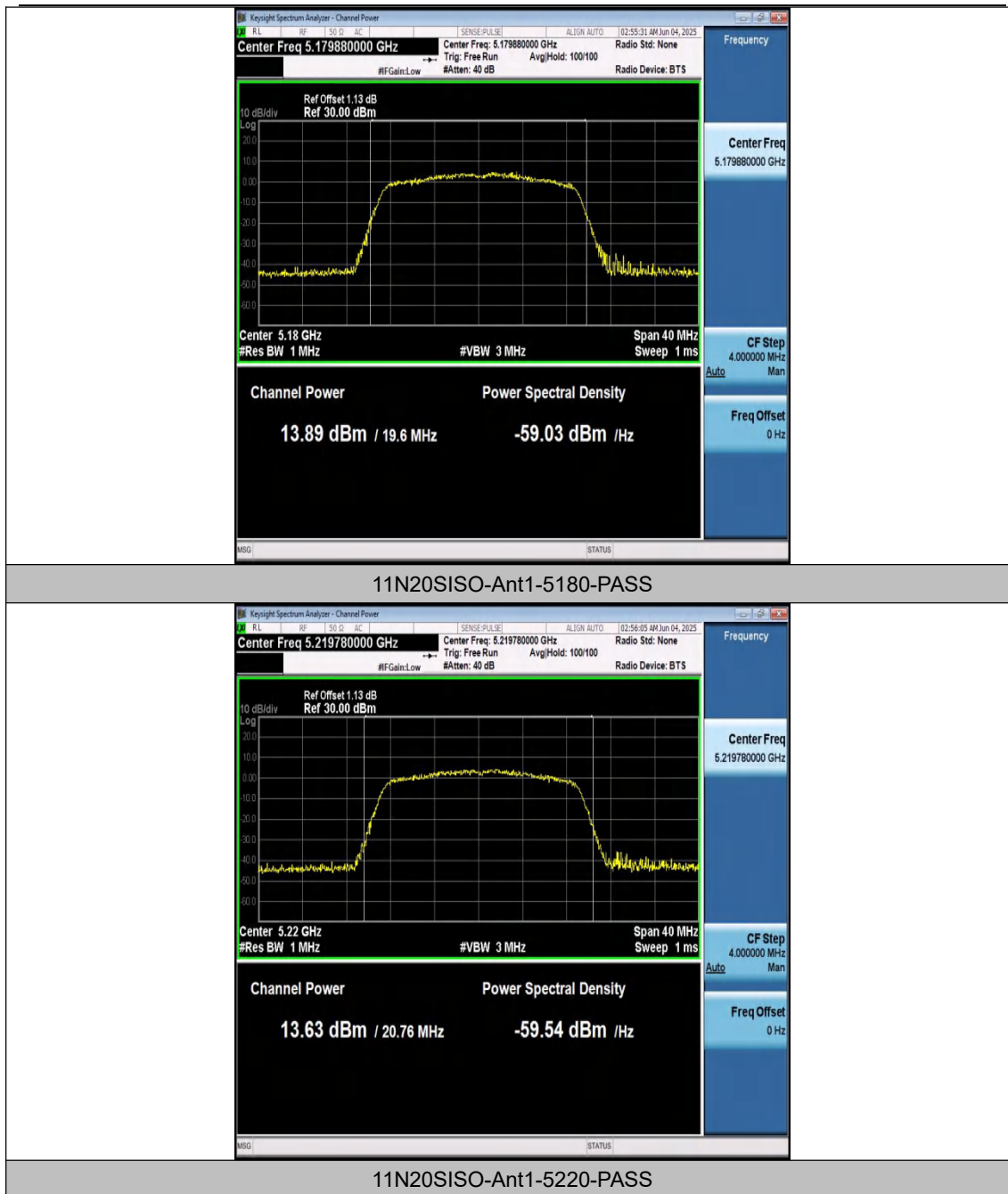
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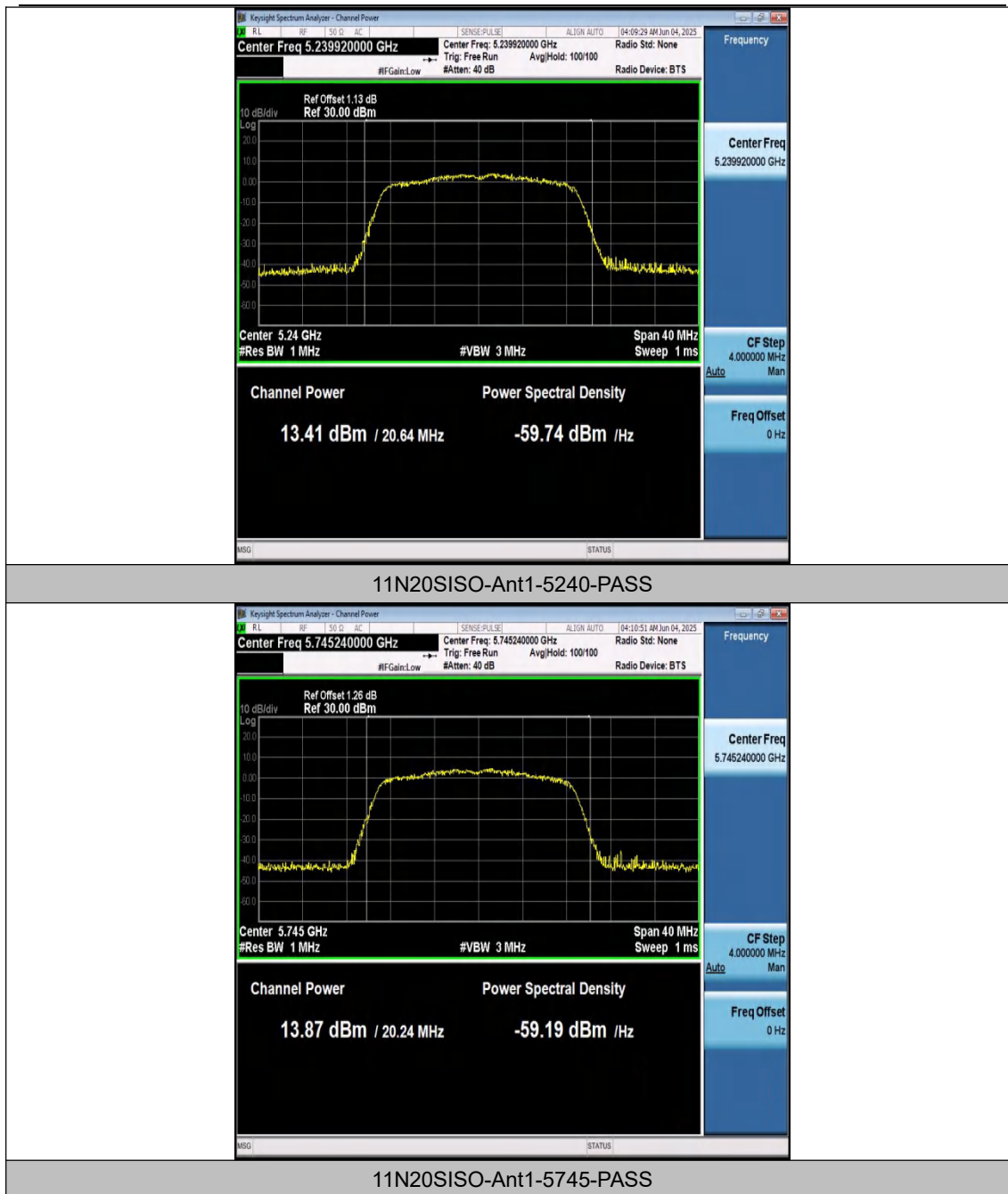
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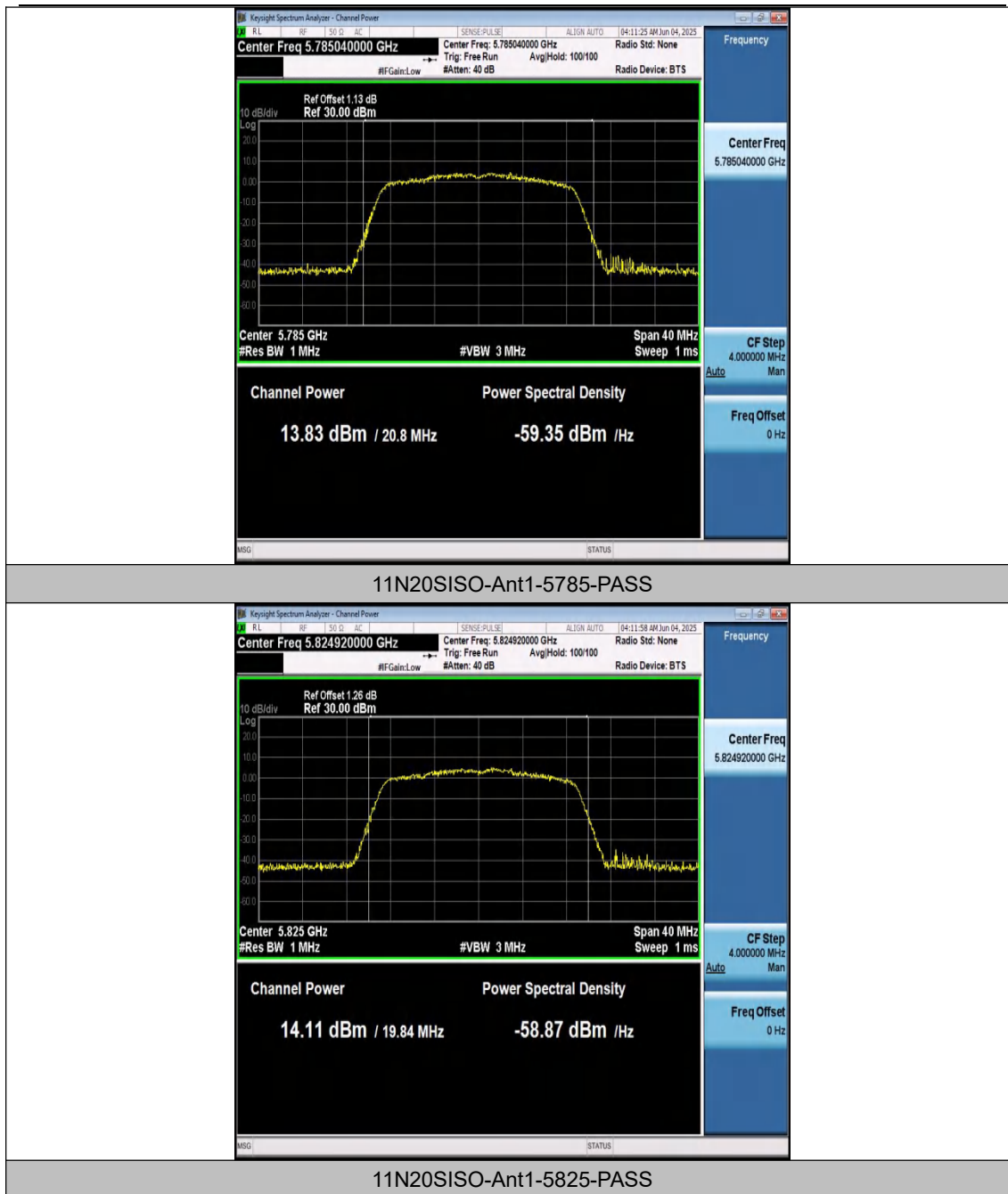


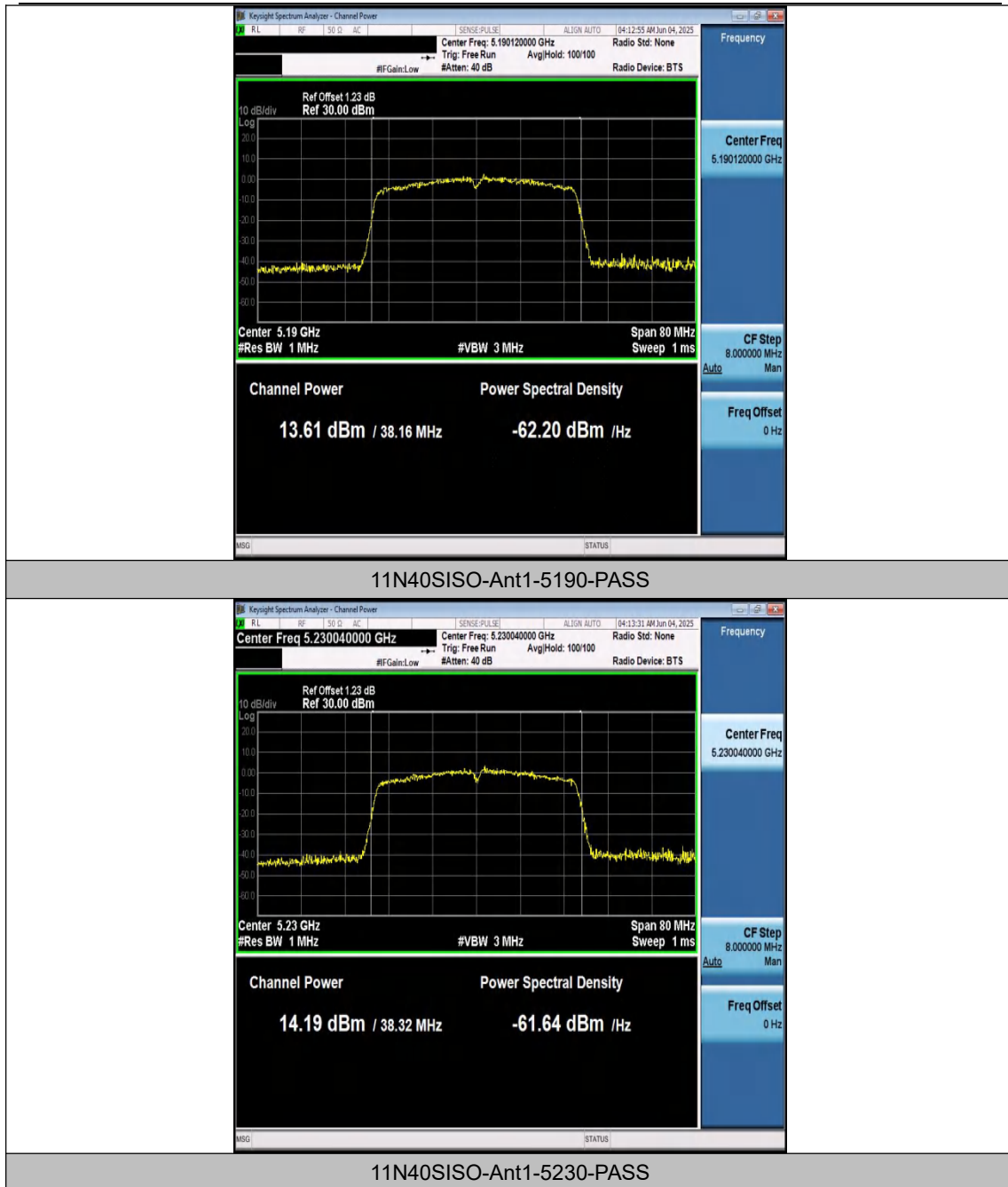








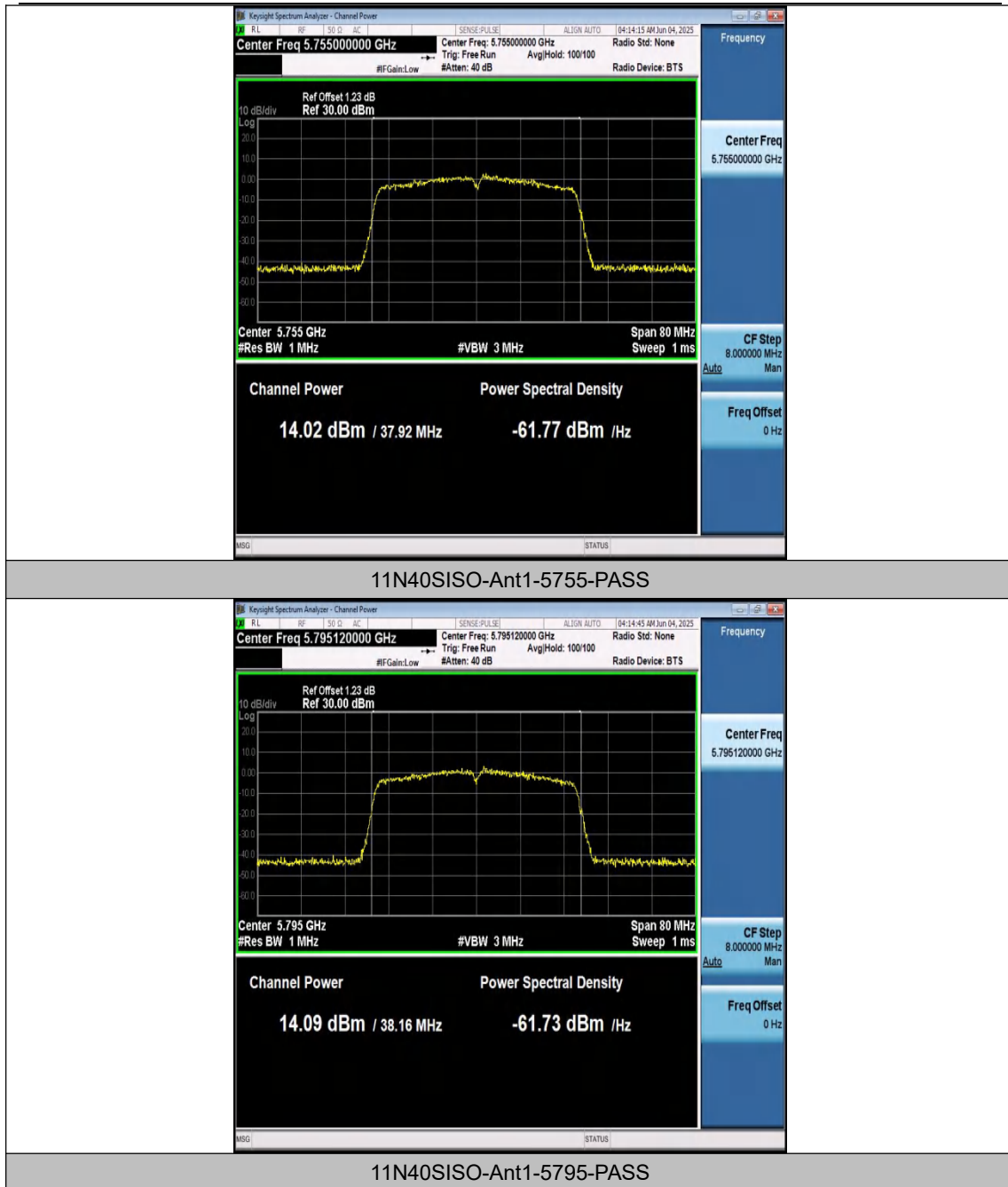




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## Appendix D: Maximum Power Spectral Density

### Test Result B1

| Test Mode | Antenna | Frequency [MHz] | Reading Result [dBm/MHz] | DC Factor [dBm] | Result [dBm] | Limit [dBm/MHz] | Verdict |
|-----------|---------|-----------------|--------------------------|-----------------|--------------|-----------------|---------|
| 11A       | Ant1    | 5180            | -1.07                    | 0.26            | -0.81        | ≤10.00          | PASS    |
| 11A       | Ant1    | 5220            | -1.40                    | 0.13            | -1.27        | ≤10.00          | PASS    |
| 11A       | Ant1    | 5240            | -0.12                    | 0.13            | 0.01         | ≤10.00          | PASS    |
| 11N20SISO | Ant1    | 5180            | -0.59                    | 0.13            | -0.46        | ≤10.00          | PASS    |
| 11N20SISO | Ant1    | 5220            | -4.00                    | 0.13            | -3.87        | ≤10.00          | PASS    |
| 11N20SISO | Ant1    | 5240            | -1.26                    | 0.13            | -1.13        | ≤10.00          | PASS    |
| 11N40SISO | Ant1    | 5190            | -3.98                    | 0.23            | -3.75        | ≤10.00          | PASS    |
| 11N40SISO | Ant1    | 5230            | -3.40                    | 0.23            | -3.17        | ≤10.00          | PASS    |

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

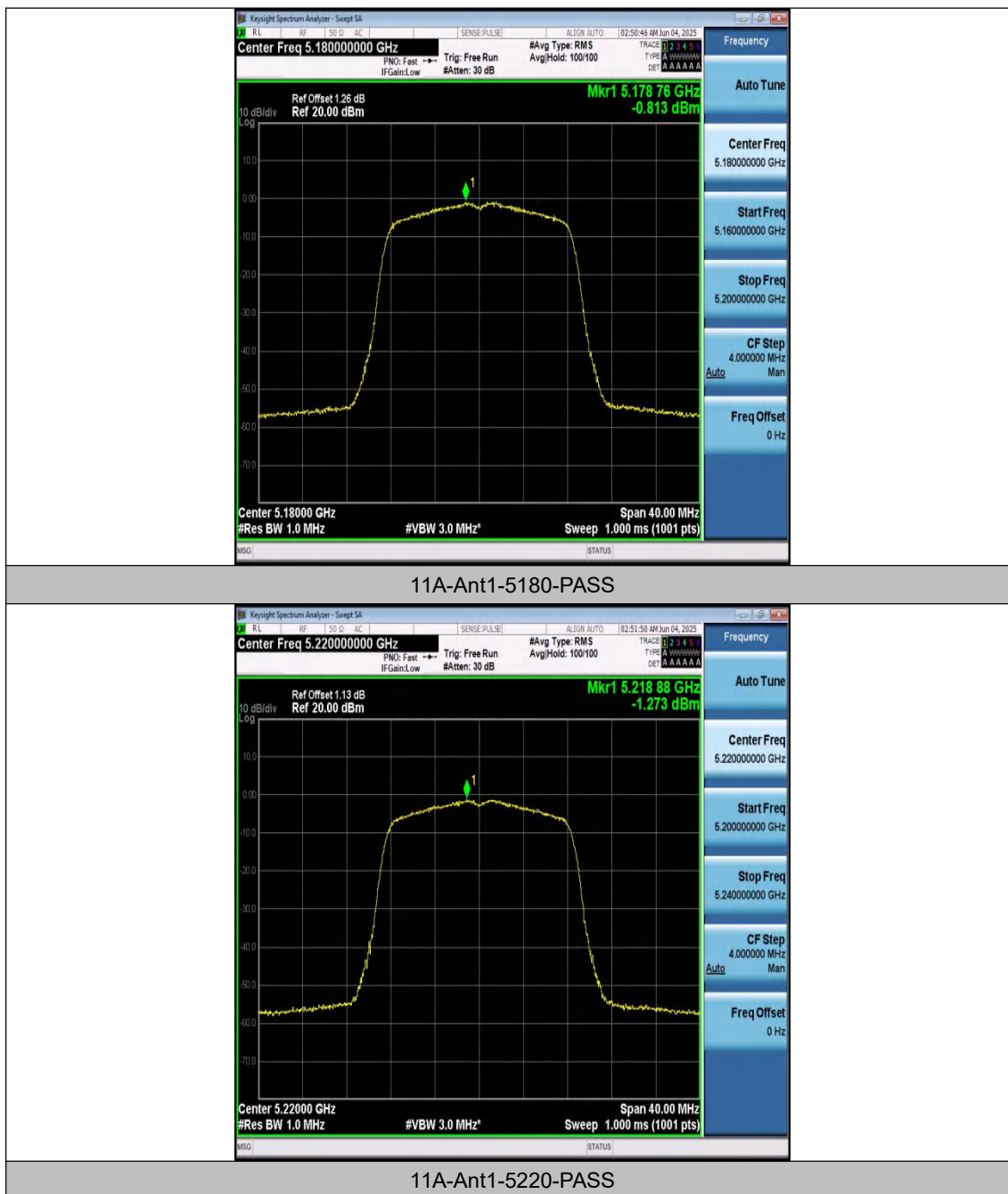
### Test Result B4

| Test Mode | Antenna | Frequency [MHz] | Reading Result[dBm/500KHz] | DC Factor [dBm] | Result [dBm/500KHz] | Limit [dBm/500KHz] | Verdict |
|-----------|---------|-----------------|----------------------------|-----------------|---------------------|--------------------|---------|
| 11A       | Ant1    | 5745            | -3.19                      | 0.13            | -3.15               | ≤30.00             | PASS    |
| 11A       | Ant1    | 5785            | -3.36                      | 0.13            | -3.32               | ≤30.00             | PASS    |
| 11A       | Ant1    | 5825            | -3.35                      | 0.26            | -3.18               | ≤30.00             | PASS    |
| 11N20SISO | Ant1    | 5745            | -3.33                      | 0.26            | -3.16               | ≤30.00             | PASS    |
| 11N20SISO | Ant1    | 5785            | -3.20                      | 0.13            | -3.16               | ≤30.00             | PASS    |
| 11N20SISO | Ant1    | 5825            | -3.27                      | 0.26            | -3.10               | ≤30.00             | PASS    |
| 11N40SISO | Ant1    | 5755            | -6.10                      | 0.23            | -5.96               | ≤30.00             | PASS    |
| 11N40SISO | Ant1    | 5795            | -6.24                      | 0.23            | -6.10               | ≤30.00             | PASS    |

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



## Test Graphs B1

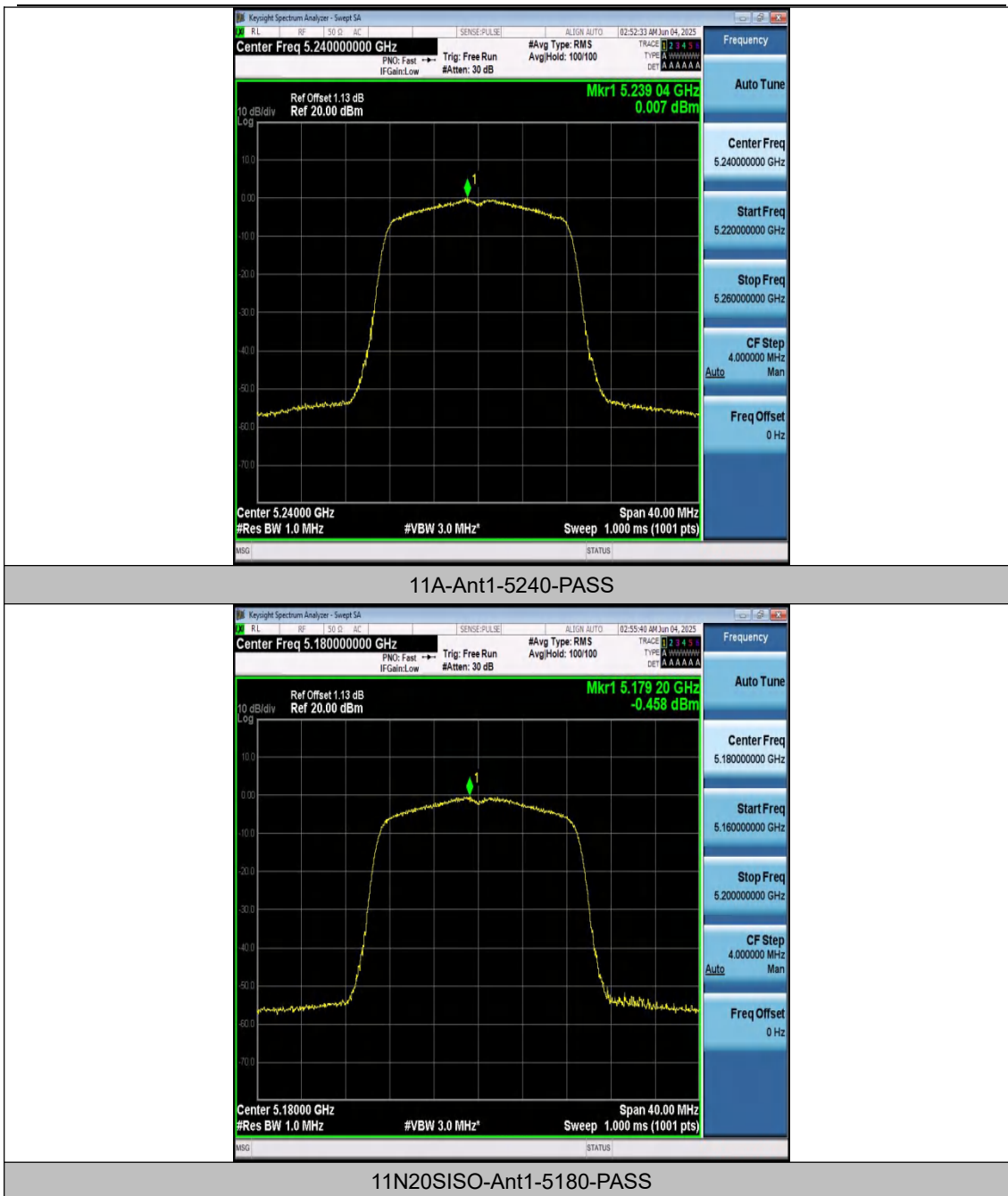


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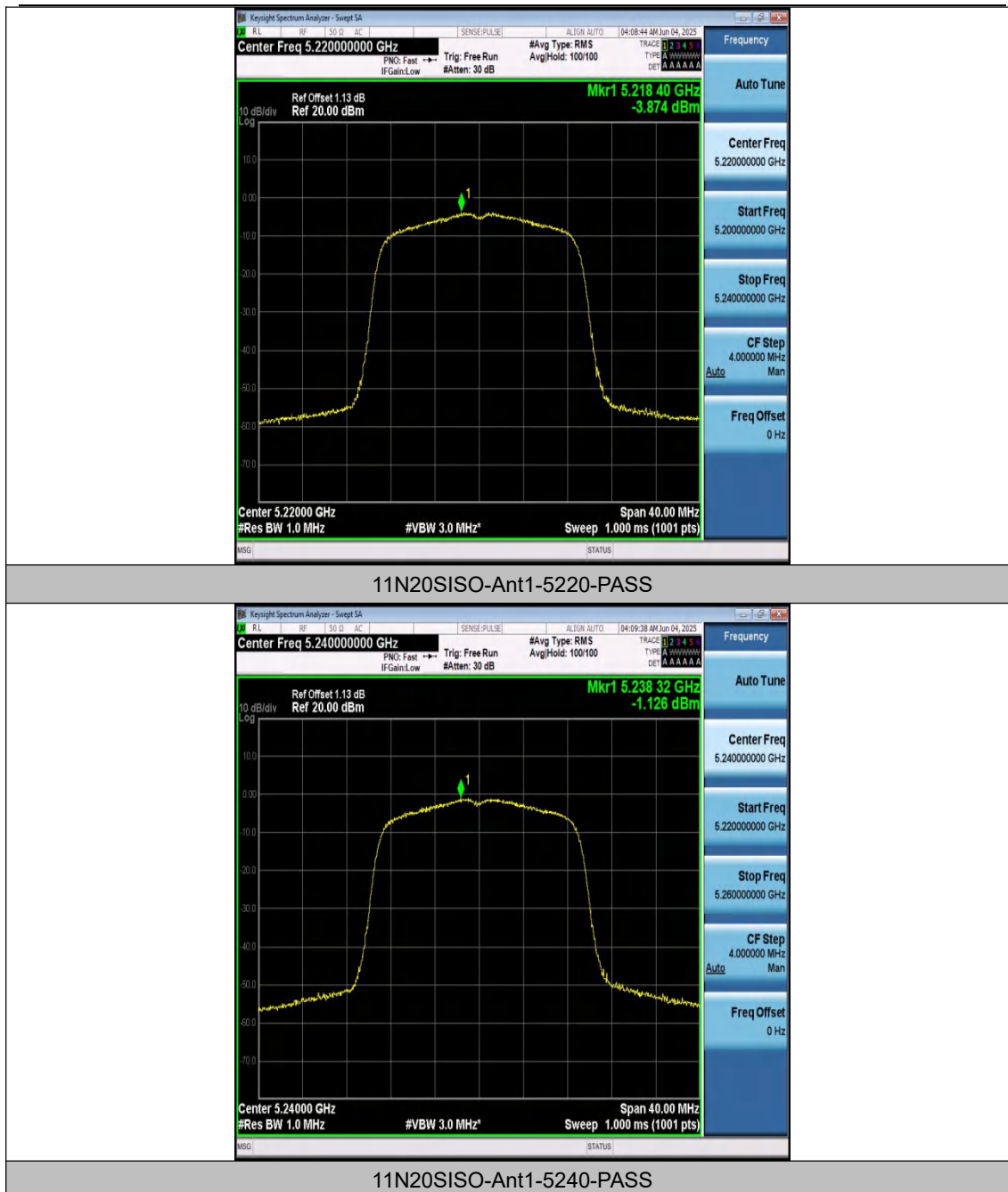
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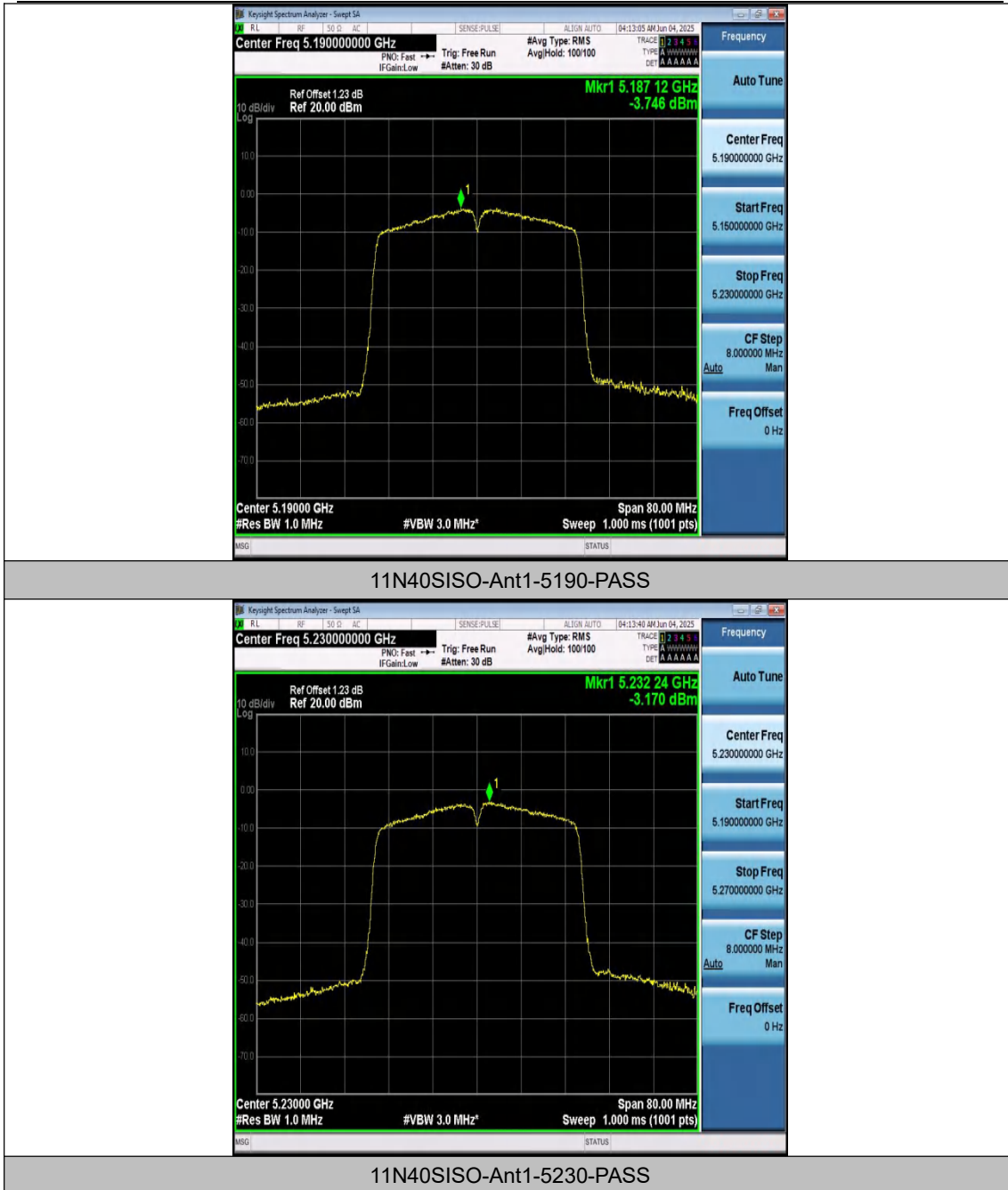
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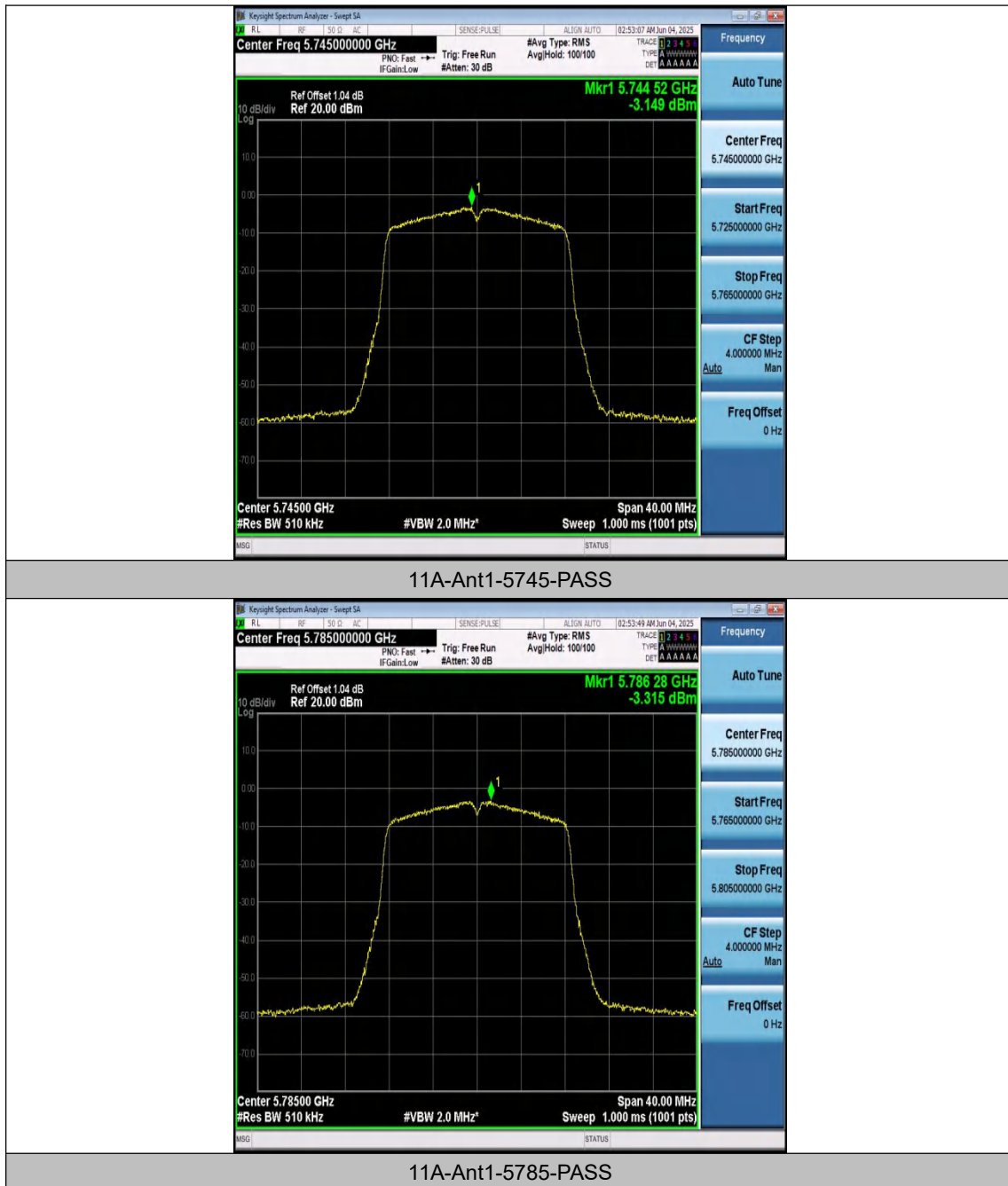
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## Test GraphsB4

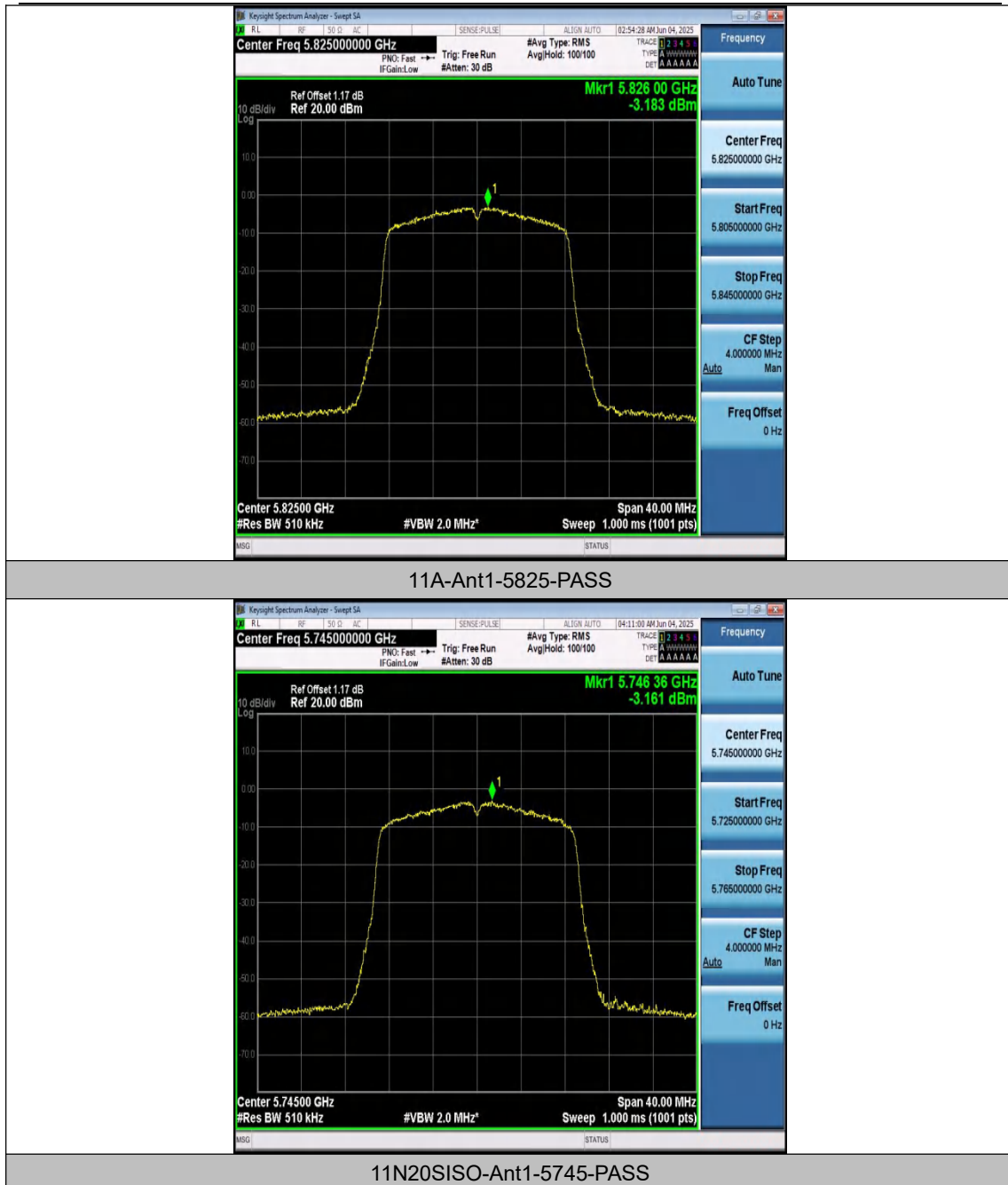


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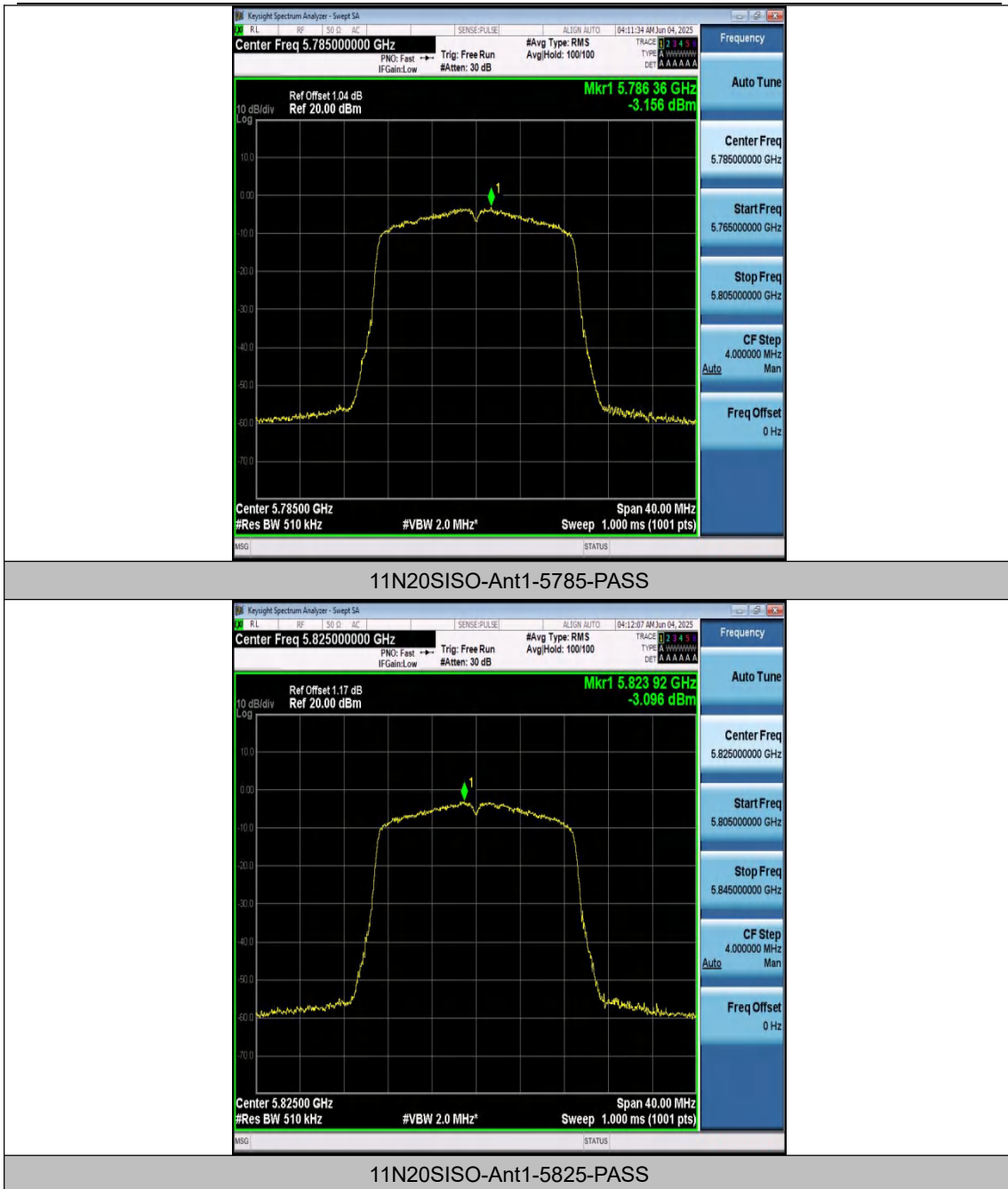




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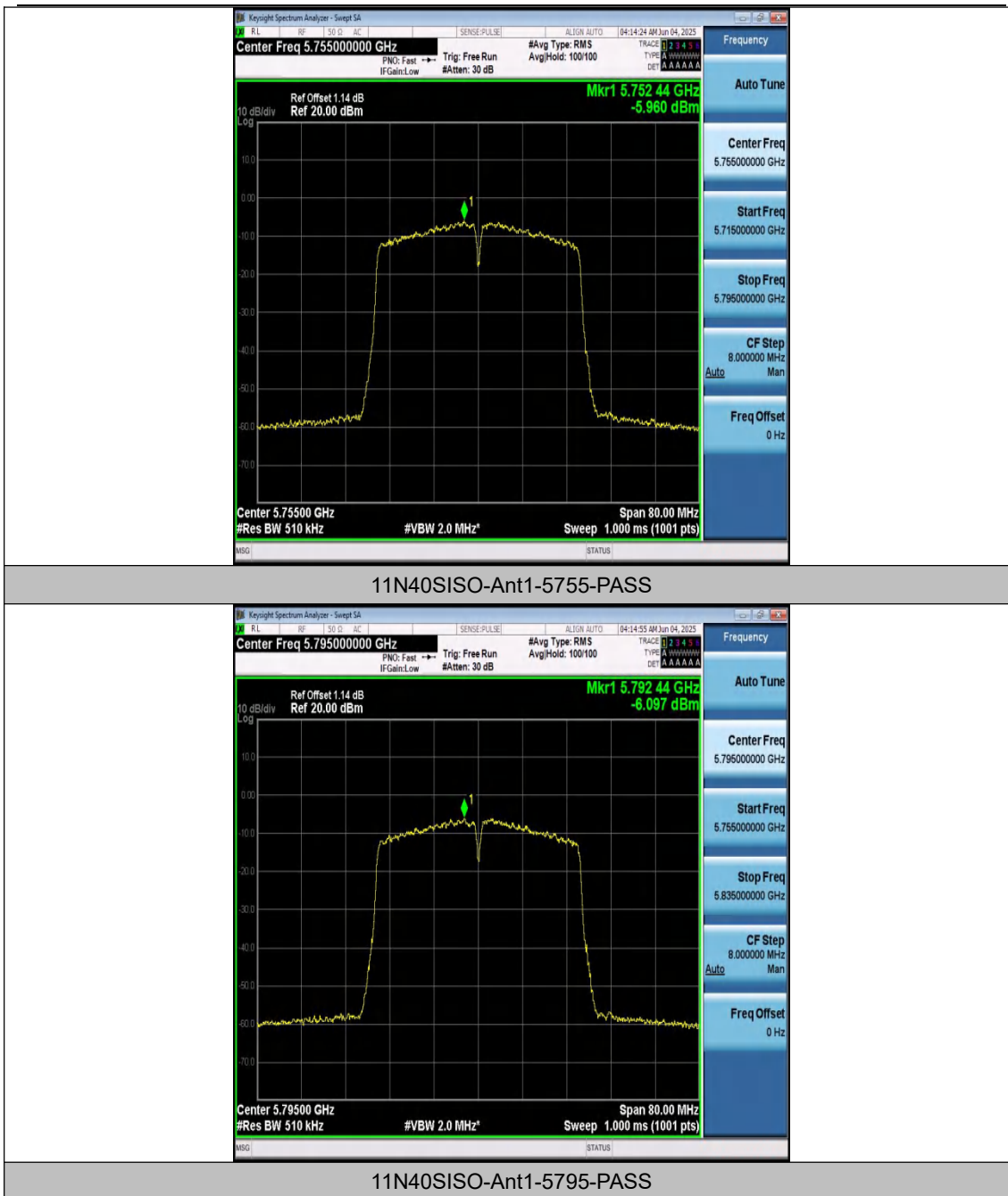


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## Appendix E: Band edge measurements

### Test Result B1

| Test Mode | Antenna | ChName | Frequency[MHz] | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|--------|----------------|-------------|------------|---------|
| 11A       | Ant1    | Low    | 5180           | -47.95      | ≤-27       | PASS    |
| 11A       | Ant1    | High   | 5240           | -49.17      | ≤-27       | PASS    |
| 11N20SISO | Ant1    | Low    | 5180           | -48.49      | ≤-27       | PASS    |
| 11N20SISO | Ant1    | High   | 5240           | -49.49      | ≤-27       | PASS    |
| 11N40SISO | Ant1    | Low    | 5190           | -48.99      | ≤-27       | PASS    |
| 11N40SISO | Ant1    | High   | 5230           | -49.48      | ≤-27       | PASS    |

Note: 1. The margin plus the antenna gain also meets the limit.

2. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

### Test Result B4

| Test Mode | Antenna | Ch. Name | Frequency [MHz] | FreqRange [MHz] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|----------|-----------------|-----------------|--------------|-------------|---------|
| 11A       | Ant1    | Low      | 5745            | 5720~5725       | -51.07       | ≤15.82      | PASS    |
| 11A       | Ant1    | Low      | 5745            | 5700~5720       | -49.94       | ≤10.09      | PASS    |
| 11A       | Ant1    | Low      | 5745            | 5650~5700       | -49.95       | ≤-26.02     | PASS    |
| 11A       | Ant1    | Low      | 5745            | 5760~5650       | -49.08       | ≤-27        | PASS    |
| 11A       | Ant1    | High     | 5825            | 5850~5855       | -50.47       | ≤16.03      | PASS    |
| 11A       | Ant1    | High     | 5825            | 5855~5875       | -49.5        | ≤10.13      | PASS    |
| 11A       | Ant1    | High     | 5825            | 5875~5925       | -49.27       | ≤-25.41     | PASS    |
| 11A       | Ant1    | High     | 5825            | 5925~5935       | -49.75       | ≤-27        | PASS    |
| 11N20SISO | Ant1    | Low      | 5745            | 5720~5725       | -49.21       | ≤16.87      | PASS    |
| 11N20SISO | Ant1    | Low      | 5745            | 5700~5720       | -49.78       | ≤10.22      | PASS    |
| 11N20SISO | Ant1    | Low      | 5745            | 5650~5700       | -50.74       | ≤-26.36     | PASS    |
| 11N20SISO | Ant1    | Low      | 5745            | 5760~5650       | -49.81       | ≤-27        | PASS    |
| 11N20SISO | Ant1    | High     | 5825            | 5850~5855       | -51.44       | ≤16.03      | PASS    |
| 11N20SISO | Ant1    | High     | 5825            | 5855~5875       | -49.63       | ≤10.66      | PASS    |
| 11N20SISO | Ant1    | High     | 5825            | 5875~5925       | -50.72       | ≤-26.41     | PASS    |
| 11N20SISO | Ant1    | High     | 5825            | 5925~5935       | -49.82       | ≤-27        | PASS    |
| 11N40SISO | Ant1    | Low      | 5755            | 5720~5725       | -46.39       | ≤16.66      | PASS    |
| 11N40SISO | Ant1    | Low      | 5755            | 5700~5720       | -48.88       | ≤10.21      | PASS    |
| 11N40SISO | Ant1    | Low      | 5755            | 5650~5700       | -50.35       | ≤-26.60     | PASS    |
| 11N40SISO | Ant1    | Low      | 5755            | 5780~5650       | -49.75       | ≤-27        | PASS    |
| 11N40SISO | Ant1    | High     | 5795            | 5850~5855       | -51.02       | ≤15.66      | PASS    |
| 11N40SISO | Ant1    | High     | 5795            | 5855~5875       | -50.64       | ≤10.29      | PASS    |



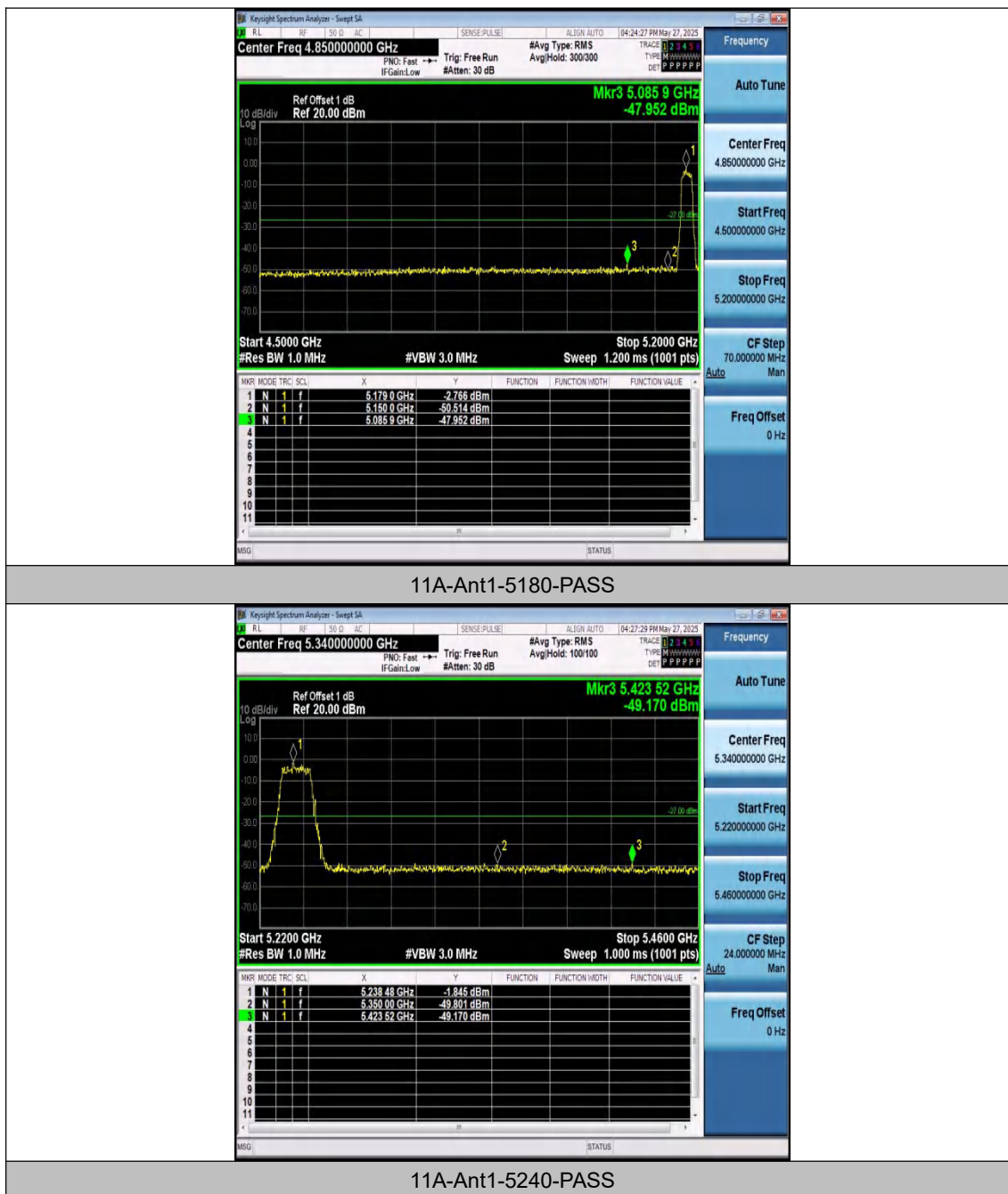
|           |      |      |      |           |        |               |      |
|-----------|------|------|------|-----------|--------|---------------|------|
| 11N40SISO | Ant1 | High | 5795 | 5875~5925 | -51.31 | $\leq -26.83$ | PASS |
| 11N40SISO | Ant1 | High | 5795 | 5925~5935 | -49.69 | $\leq -27$    | PASS |

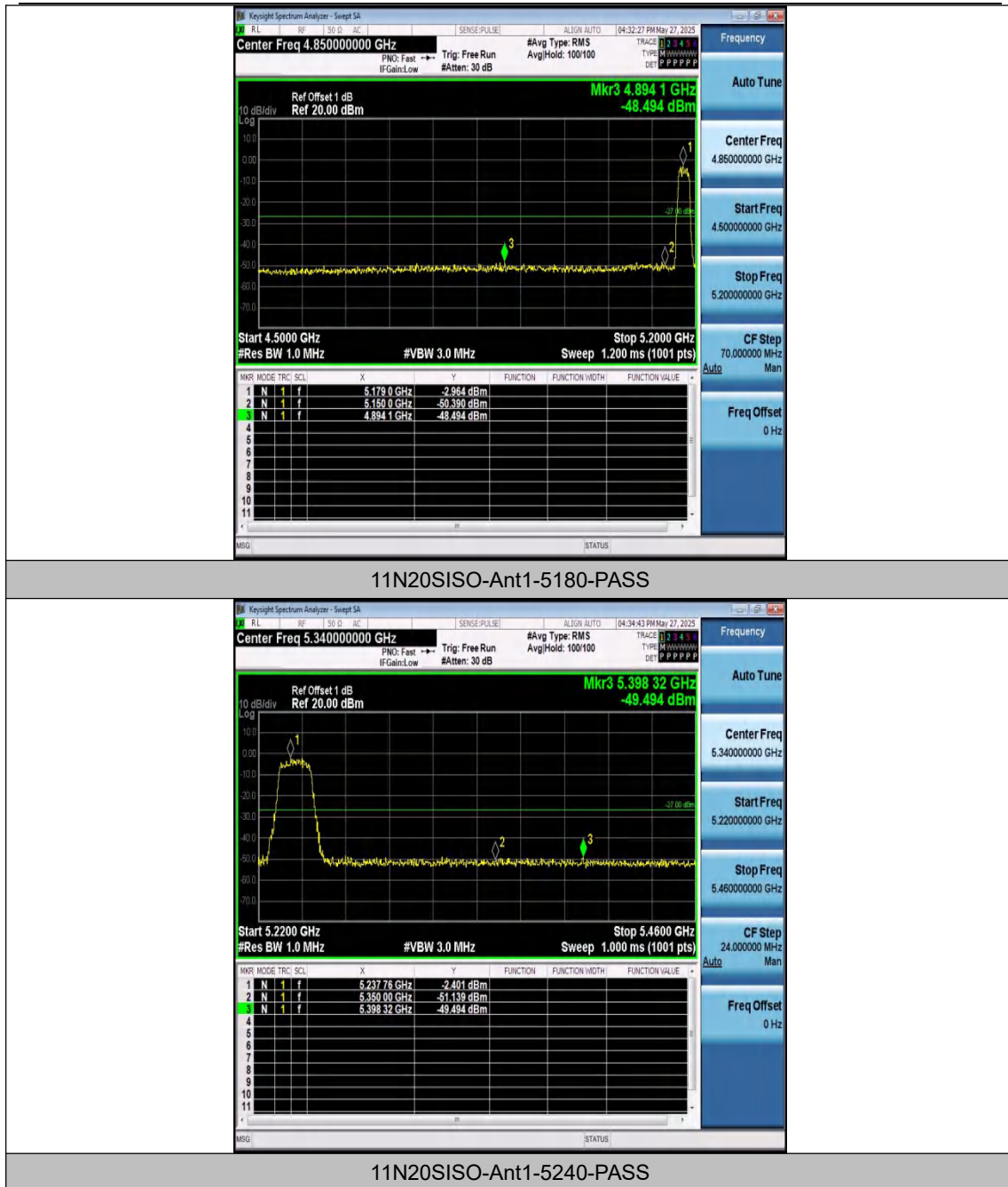
Note: The margin plus the antenna gain also meets the limit.

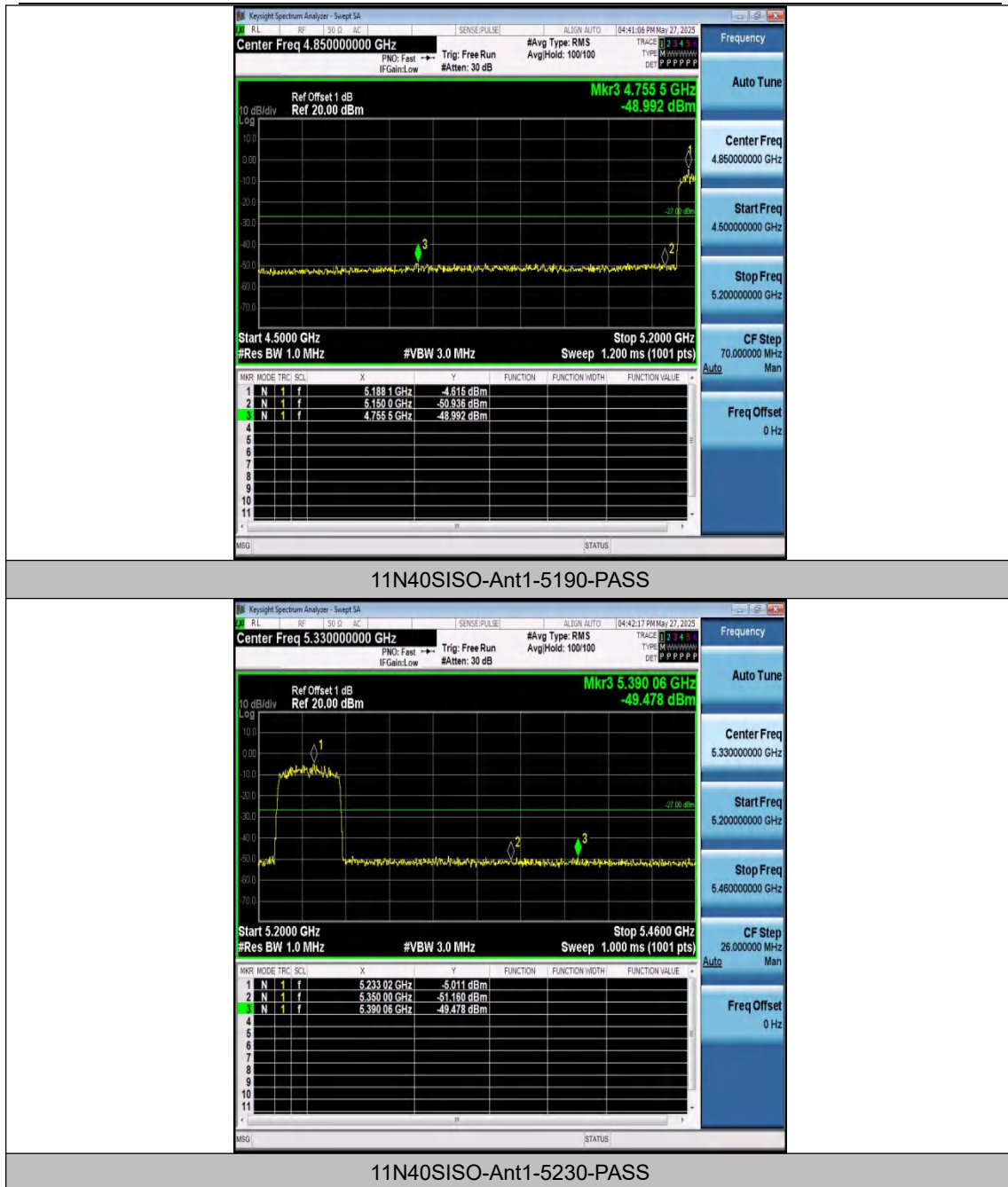




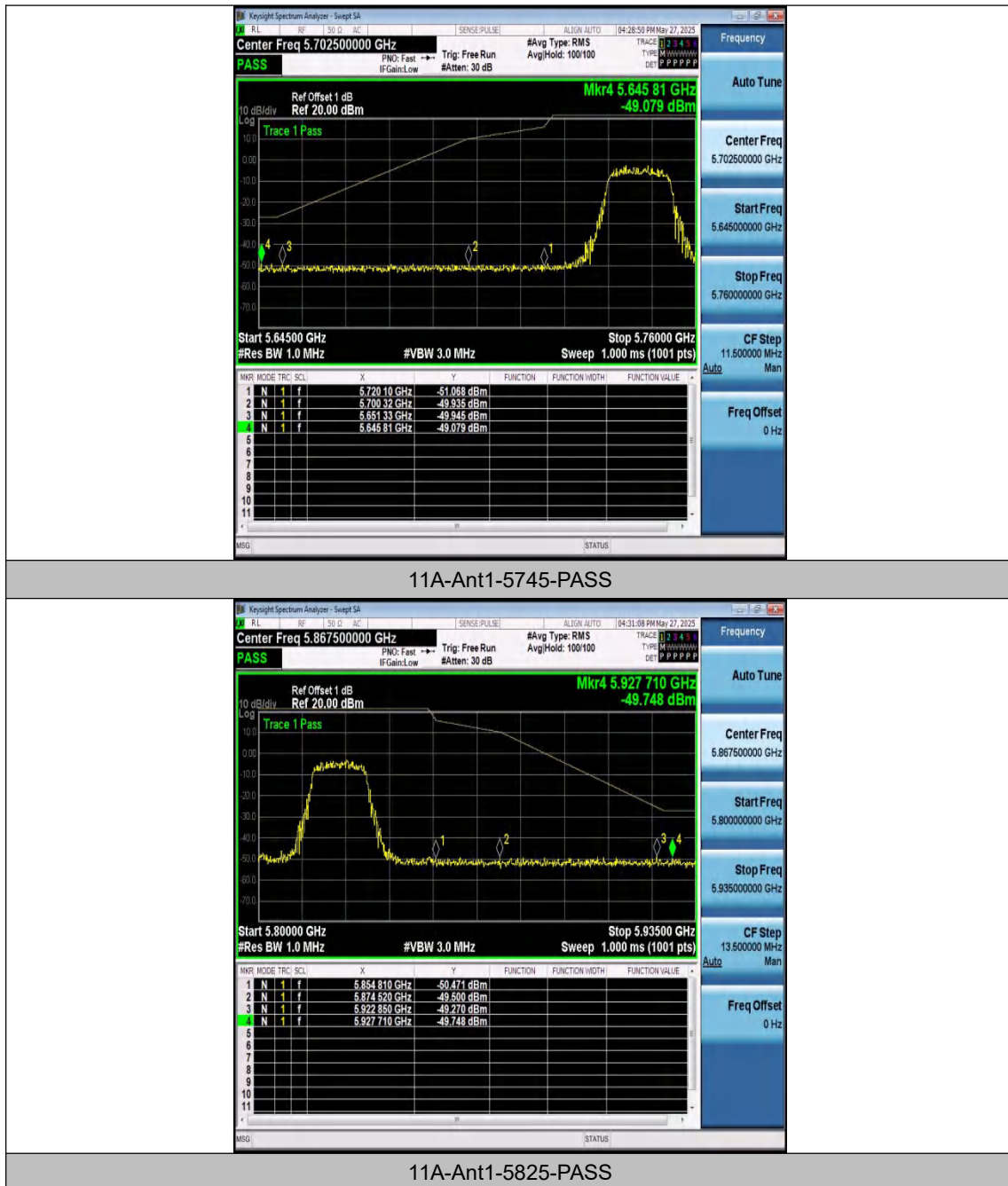
## Test Graphs B1



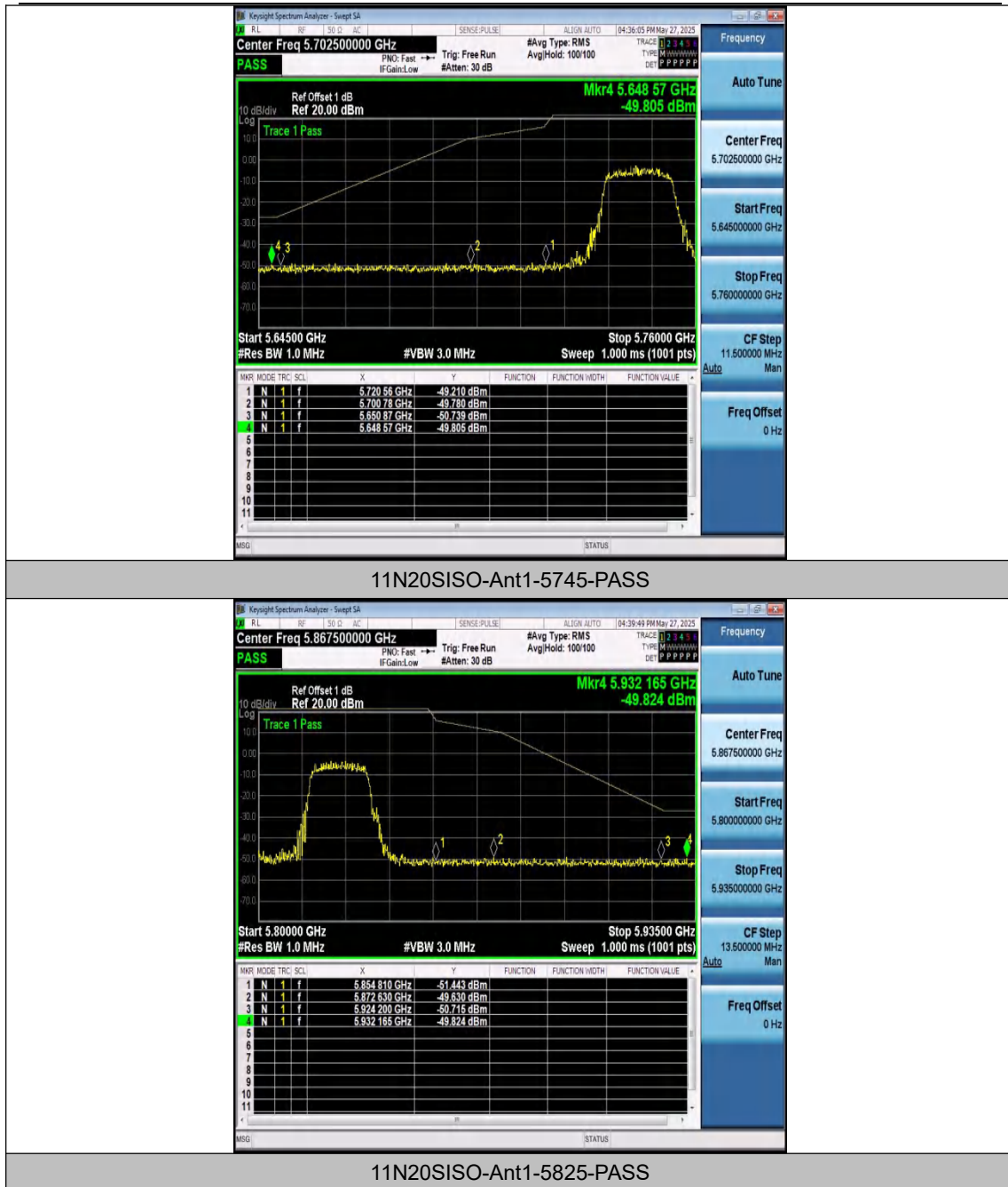




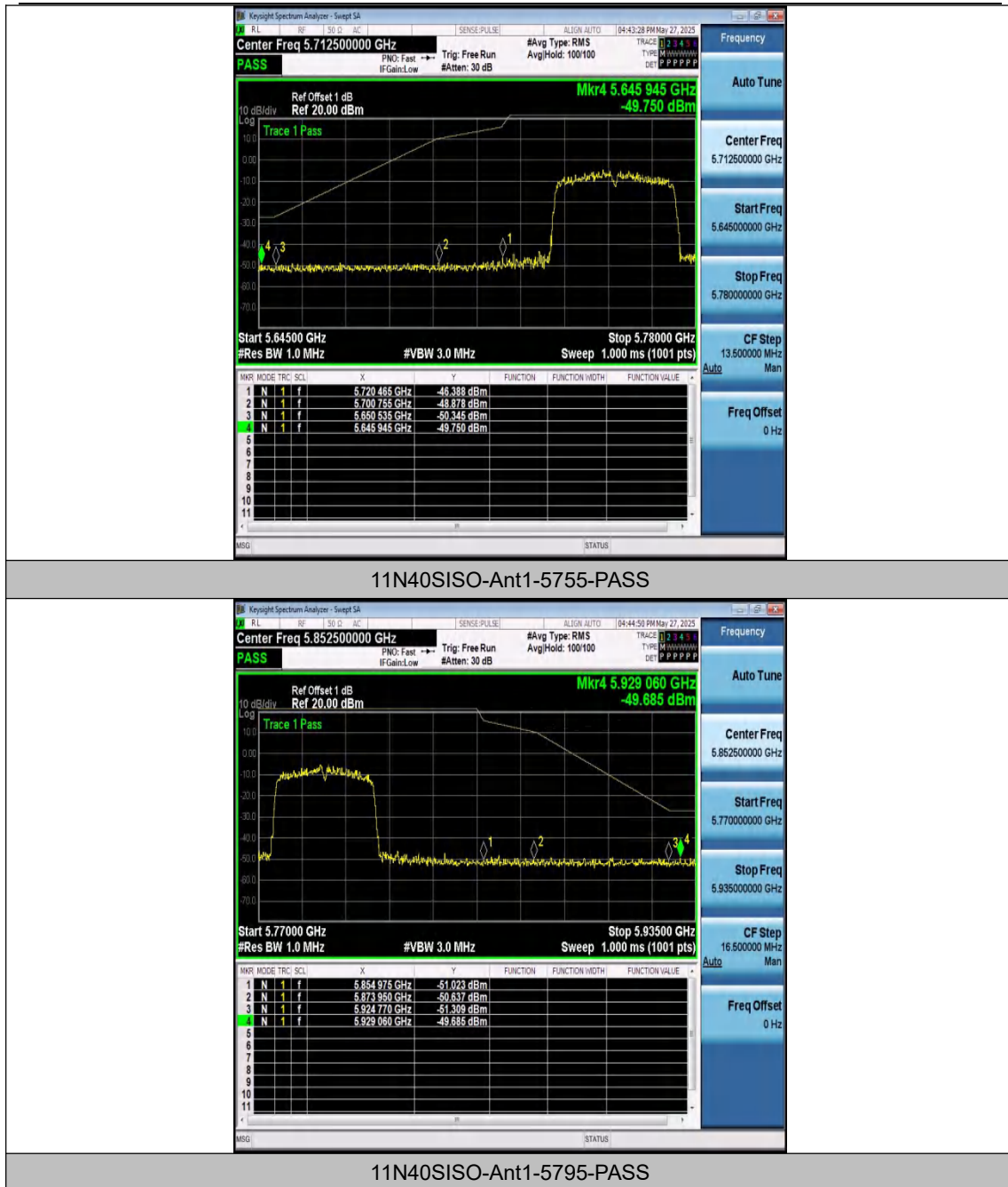
## Test Graphs B4











---End---