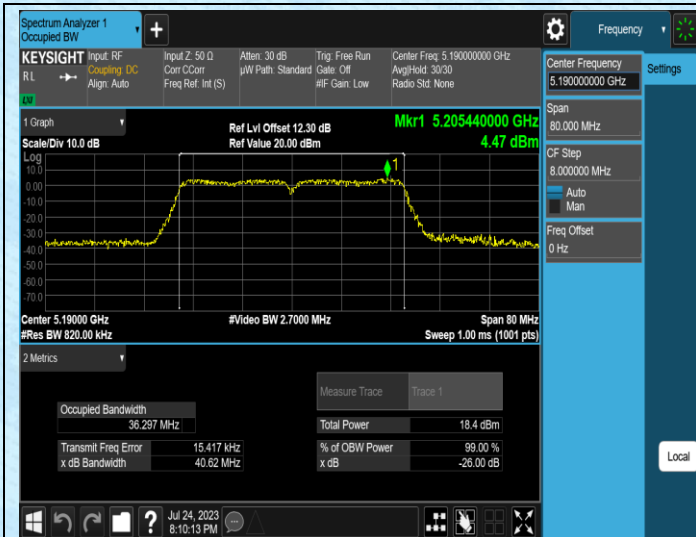
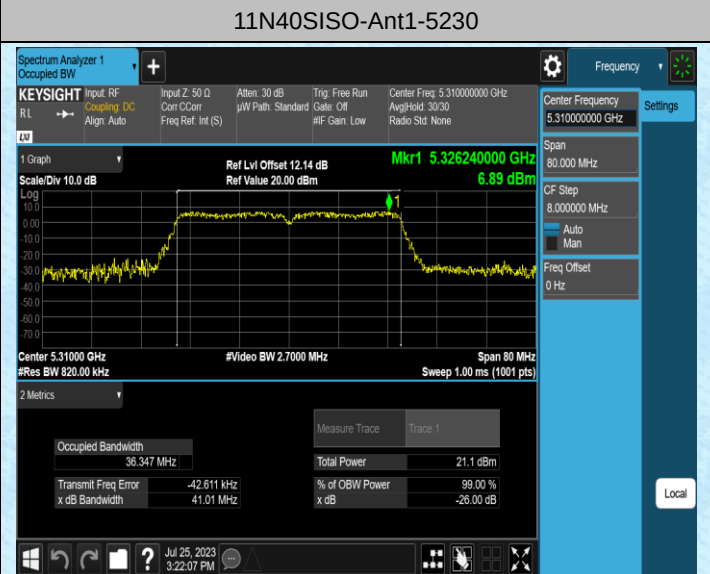
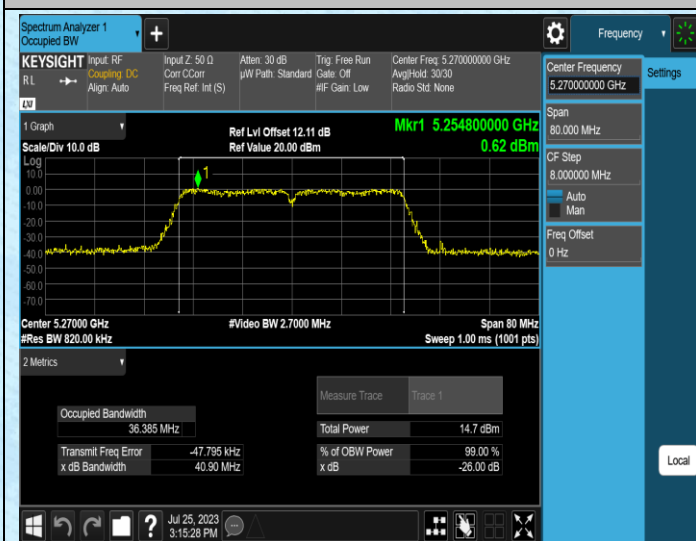
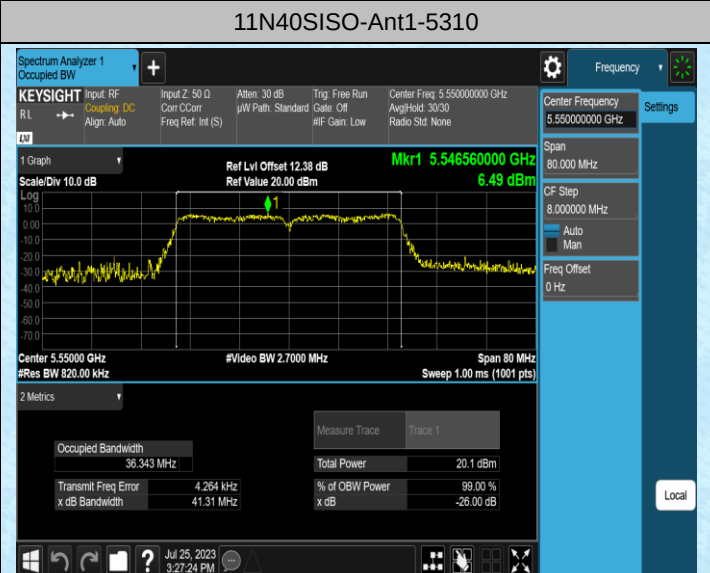
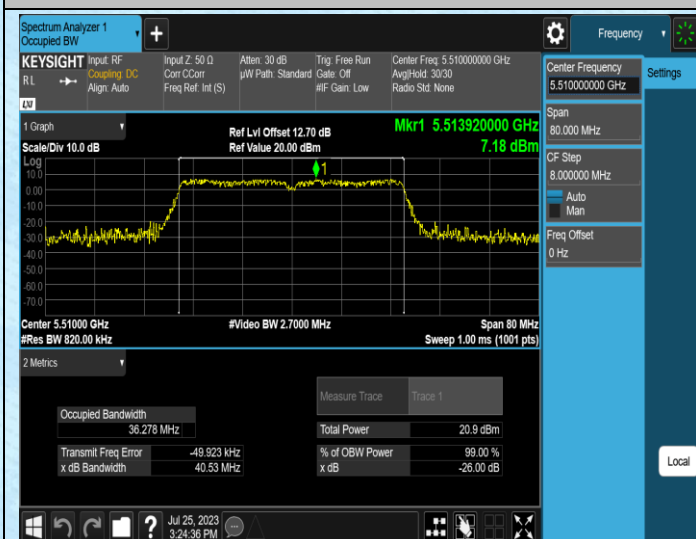




11N40SISO-Ant1-5190

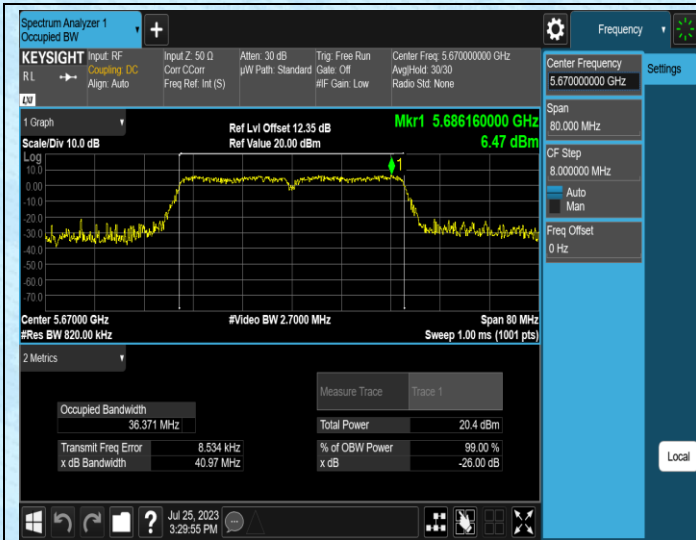


11N40SISO-Ant1-5270

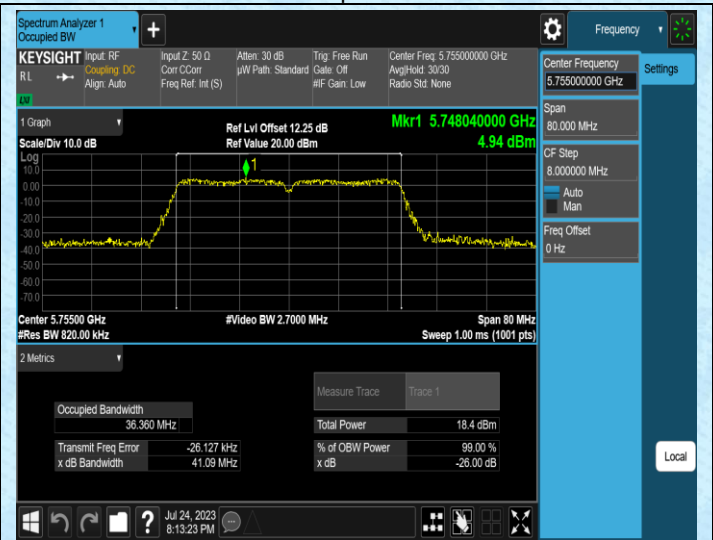


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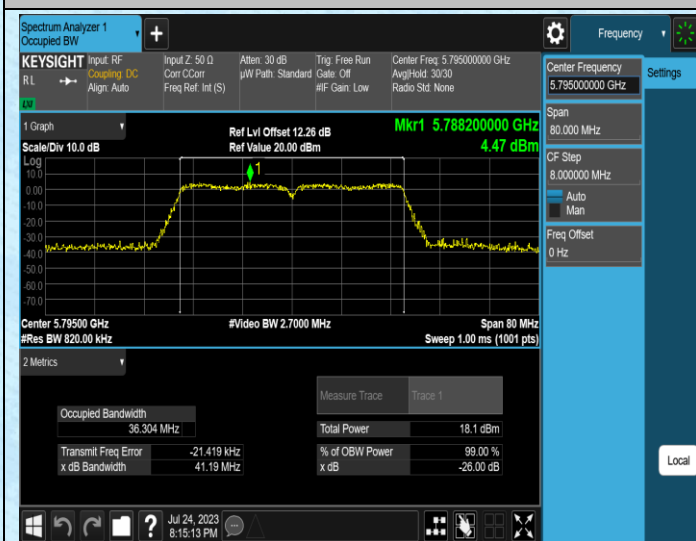
11N40SISO-Ant1-5550



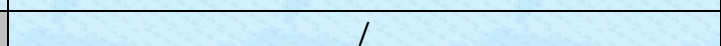
11N40SISO-Ant1-5670



11N40SISO-Ant1-5755



11N40SISO-Ant1-5795

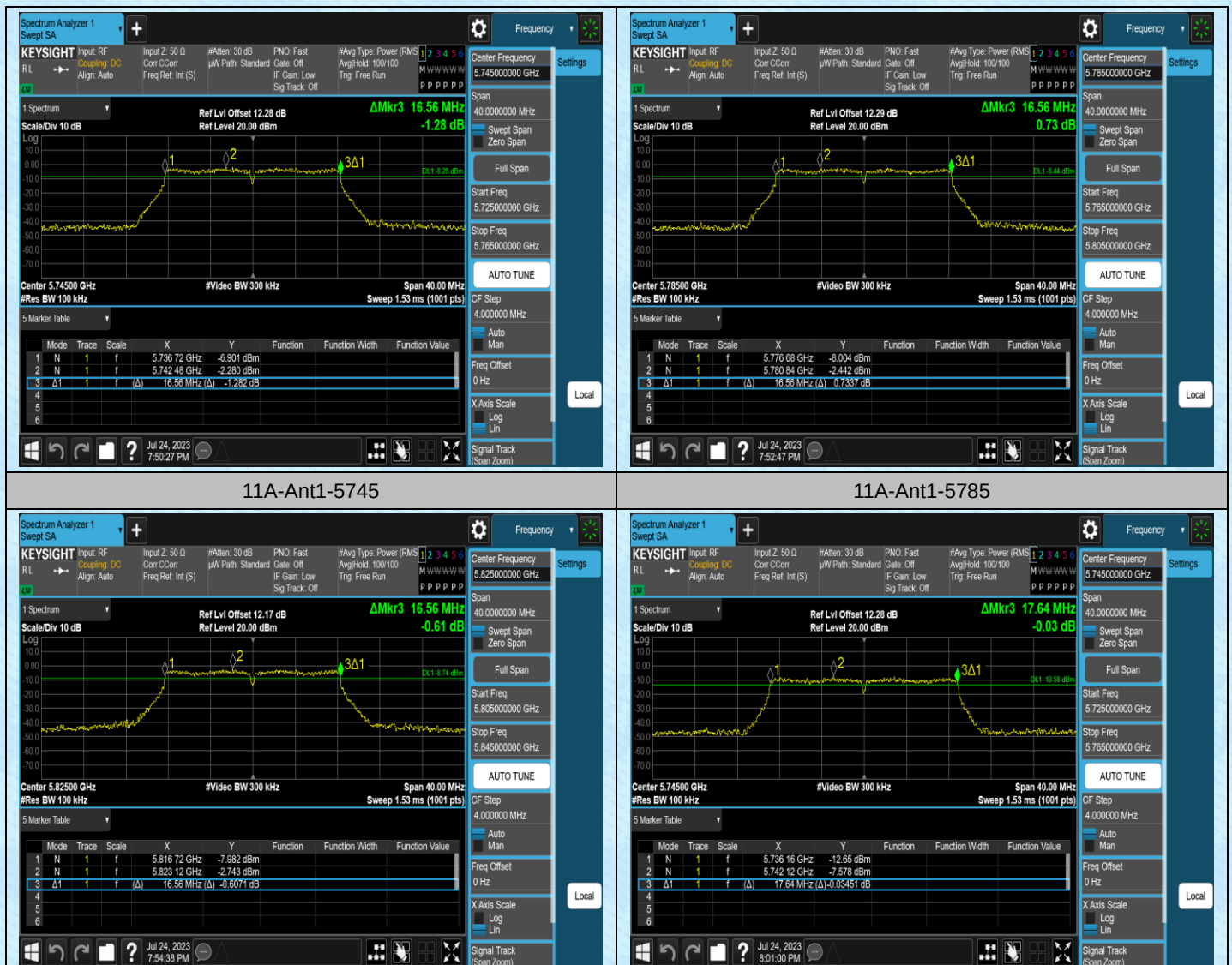


## AppendixA3: Min emission bandwidth

### Test Result B4

| Test Mode | Antenna | Frequency[MHz] | Rate  | 6db EBW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-----------|---------|----------------|-------|---------------|----------|----------|------------|---------|
| 11A       | Ant1    | 5745           | 6Mbps | 16.560        | 5736.720 | 5753.280 | 0.5        | PASS    |
| 11A       | Ant1    | 5785           | 6Mbps | 16.560        | 5776.680 | 5793.240 | 0.5        | PASS    |
| 11A       | Ant1    | 5825           | 6Mbps | 16.560        | 5816.720 | 5833.280 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 5745           | MCS0  | 17.640        | 5736.160 | 5753.800 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 5785           | MCS0  | 17.720        | 5776.120 | 5793.840 | 0.5        | PASS    |
| 11N20SISO | Ant1    | 5825           | MCS0  | 17.720        | 5816.120 | 5833.840 | 0.5        | PASS    |
| 11N40SISO | Ant1    | 5755           | MCS0  | 36.400        | 5736.760 | 5773.160 | 0.5        | PASS    |
| 11N40SISO | Ant1    | 5795           | MCS0  | 36.400        | 5776.760 | 5813.160 | 0.5        | PASS    |

### Test Graphs B4



11A-Ant1-5825



11N20SISO-Ant1-5745



11N20SISO-Ant1-5785



11N20SISO-Ant1-5825



11N40SISO-Ant1-5755



11N40SISO-Ant1-5795



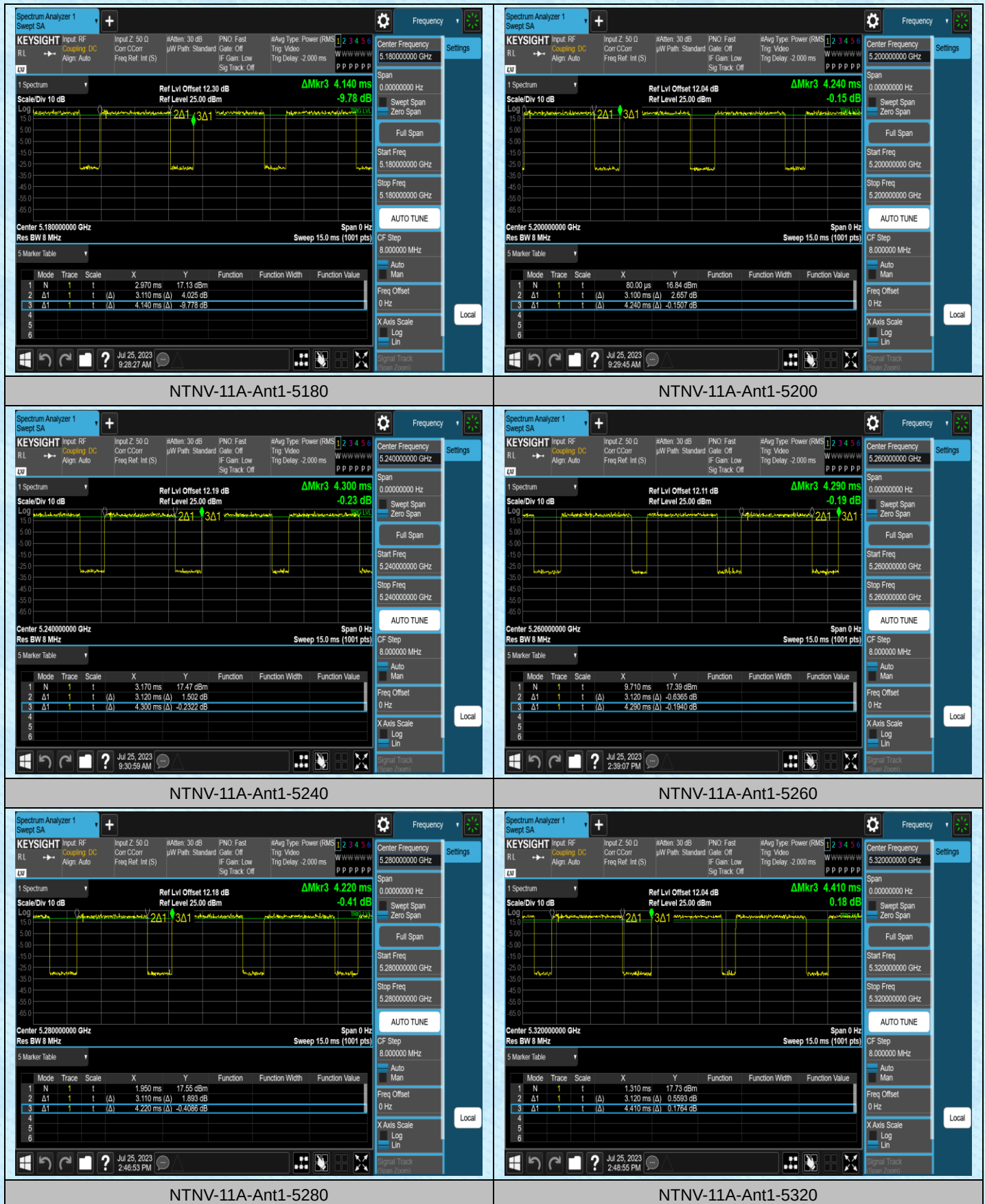


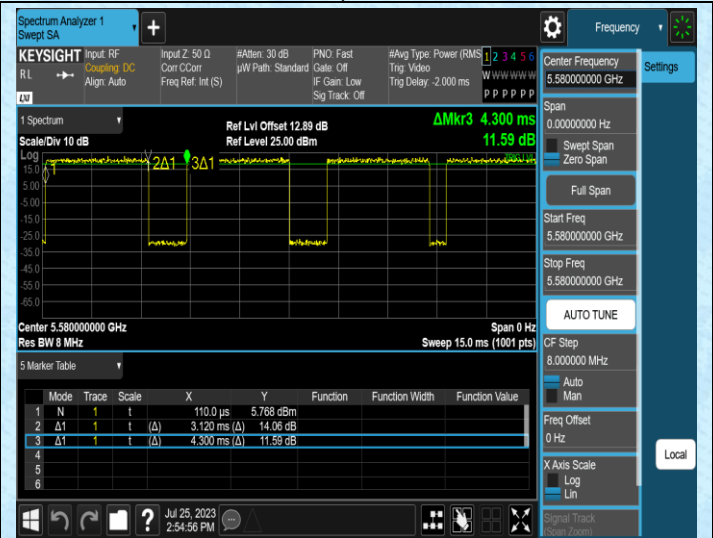
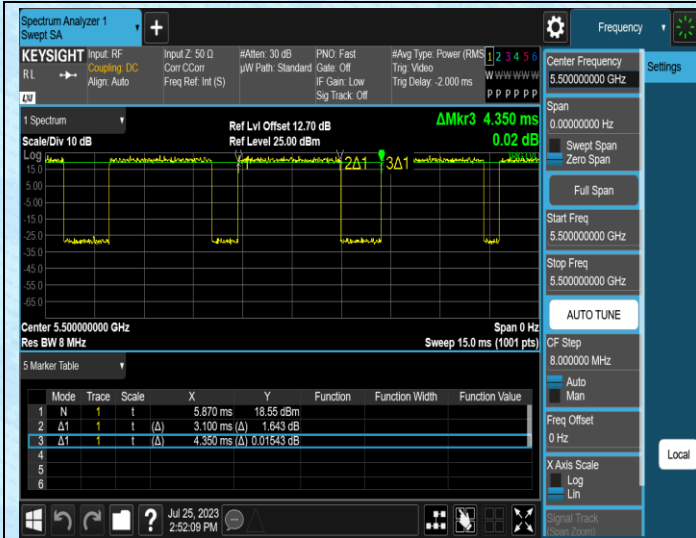
## AppendixB: Duty Cycle

### Test Result

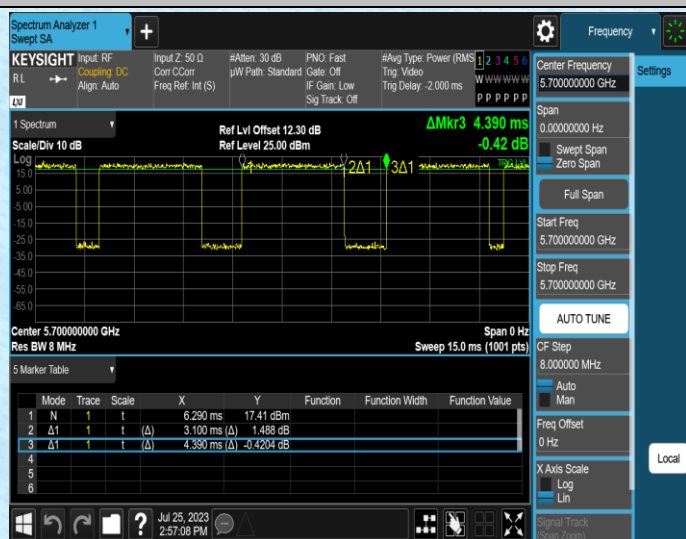
| Test Mode | Antenna | Frequency[MHz] | Rate  | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|-----------|---------|----------------|-------|----------------------------|--------------------------|----------------|
| 11A       | Ant1    | 5180           | 6Mbps | 3.11                       | 4.14                     | 75.12          |
| 11A       | Ant1    | 5200           | 6Mbps | 3.10                       | 4.24                     | 73.11          |
| 11A       | Ant1    | 5240           | 6Mbps | 3.12                       | 4.30                     | 72.56          |
| 11A       | Ant1    | 5260           | 6Mbps | 3.12                       | 4.29                     | 72.73          |
| 11A       | Ant1    | 5280           | 6Mbps | 3.11                       | 4.22                     | 73.70          |
| 11A       | Ant1    | 5320           | 6Mbps | 3.12                       | 4.41                     | 70.75          |
| 11A       | Ant1    | 5500           | 6Mbps | 3.10                       | 4.35                     | 71.26          |
| 11A       | Ant1    | 5580           | 6Mbps | 3.12                       | 4.30                     | 72.56          |
| 11A       | Ant1    | 5700           | 6Mbps | 3.10                       | 4.39                     | 70.62          |
| 11A       | Ant1    | 5745           | 6Mbps | 3.10                       | 4.18                     | 74.16          |
| 11A       | Ant1    | 5785           | 6Mbps | 3.11                       | 4.32                     | 71.99          |
| 11A       | Ant1    | 5825           | 6Mbps | 3.11                       | 4.22                     | 73.70          |
| 11N20SISO | Ant1    | 5180           | MCS0  | 4.77                       | 6.56                     | 72.71          |
| 11N20SISO | Ant1    | 5200           | MCS0  | 4.76                       | 6.29                     | 75.68          |
| 11N20SISO | Ant1    | 5240           | MCS0  | 4.77                       | 6.31                     | 75.59          |
| 11N20SISO | Ant1    | 5260           | MCS0  | 4.77                       | 6.12                     | 77.94          |
| 11N20SISO | Ant1    | 5280           | MCS0  | 4.75                       | 6.57                     | 72.30          |
| 11N20SISO | Ant1    | 5320           | MCS0  | 4.77                       | 6.30                     | 75.71          |
| 11N20SISO | Ant1    | 5500           | MCS0  | 4.77                       | 6.12                     | 77.94          |
| 11N20SISO | Ant1    | 5580           | MCS0  | 4.77                       | 6.21                     | 76.81          |
| 11N20SISO | Ant1    | 5700           | MCS0  | 4.77                       | 6.03                     | 79.10          |
| 11N20SISO | Ant1    | 5745           | MCS0  | 4.77                       | 6.11                     | 78.07          |
| 11N20SISO | Ant1    | 5785           | MCS0  | 4.77                       | 6.57                     | 72.60          |
| 11N20SISO | Ant1    | 5825           | MCS0  | 4.77                       | 6.32                     | 75.47          |
| 11N40SISO | Ant1    | 5190           | MCS0  | 2.33                       | 3.45                     | 67.54          |
| 11N40SISO | Ant1    | 5230           | MCS0  | 2.31                       | 3.50                     | 66.00          |
| 11N40SISO | Ant1    | 5270           | MCS0  | 2.33                       | 3.56                     | 65.45          |
| 11N40SISO | Ant1    | 5310           | MCS0  | 2.31                       | 3.48                     | 66.38          |
| 11N40SISO | Ant1    | 5510           | MCS0  | 2.32                       | 3.36                     | 69.05          |
| 11N40SISO | Ant1    | 5550           | MCS0  | 2.31                       | 3.51                     | 65.81          |
| 11N40SISO | Ant1    | 5670           | MCS0  | 2.31                       | 3.48                     | 66.38          |
| 11N40SISO | Ant1    | 5755           | MCS0  | 2.33                       | 3.54                     | 65.82          |
| 11N40SISO | Ant1    | 5795           | MCS0  | 2.31                       | 3.29                     | 70.21          |

## Test Graphs

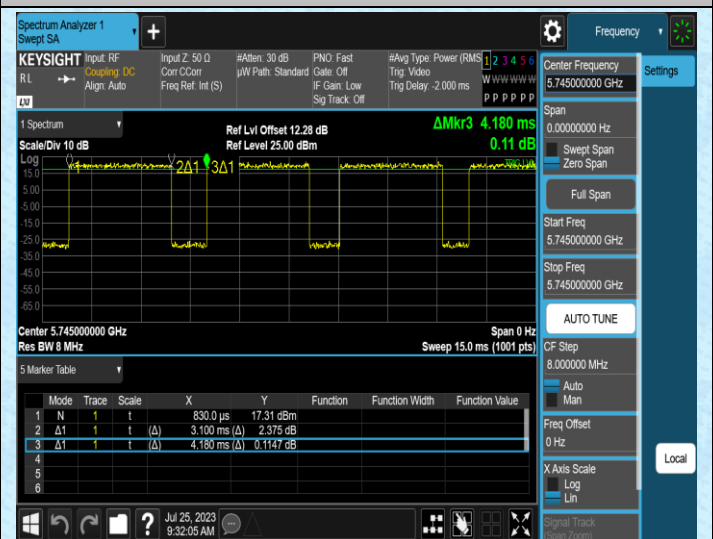




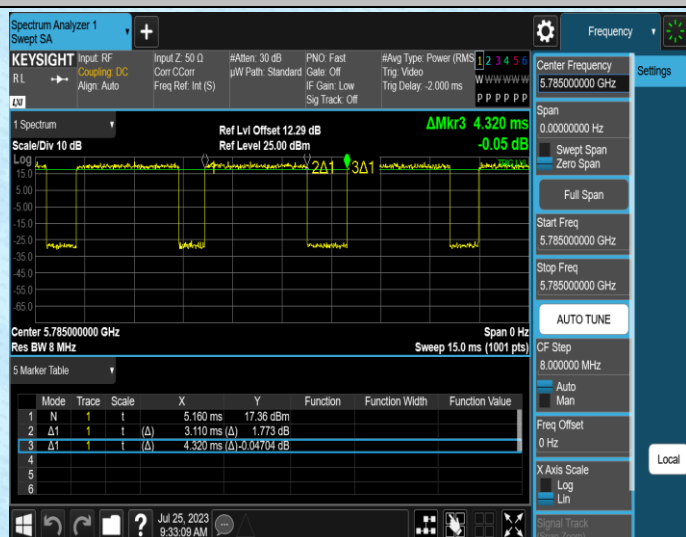
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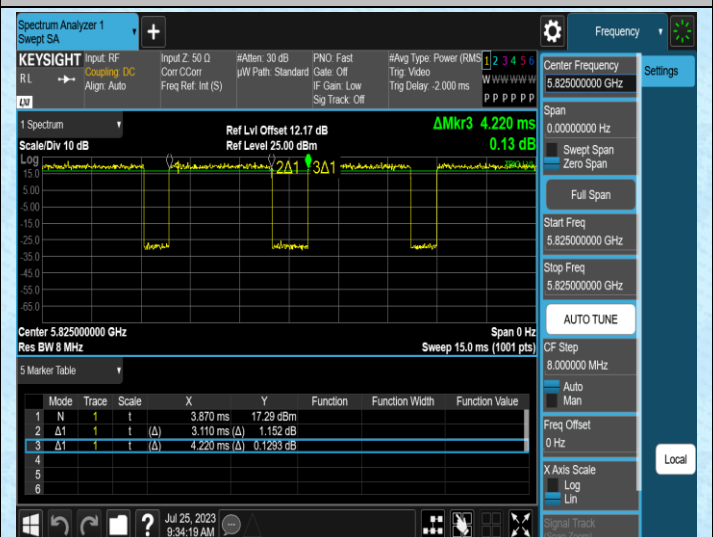
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NTNV-11A-Ant1-5700



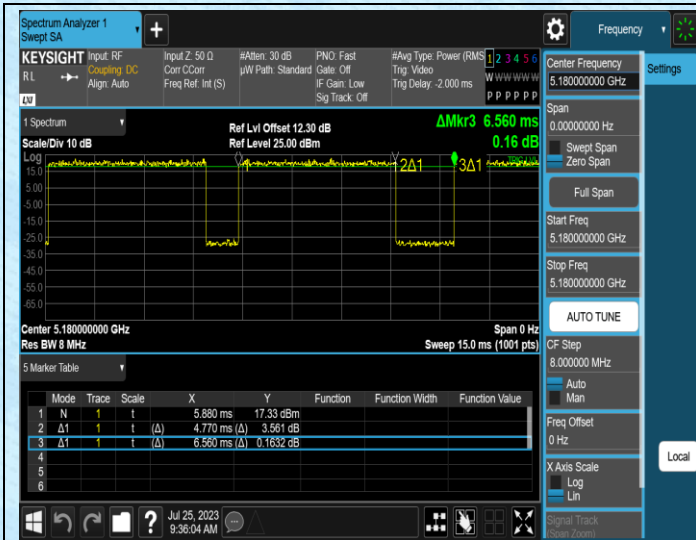
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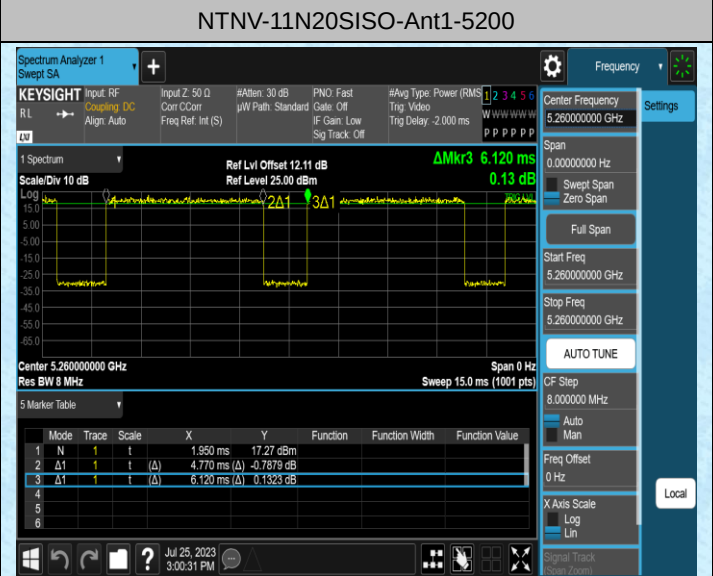
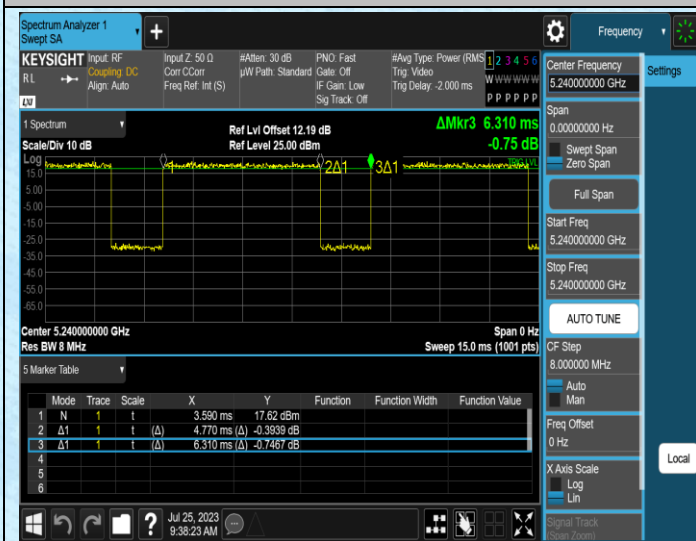
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NTNV-11A-Ant1-5825

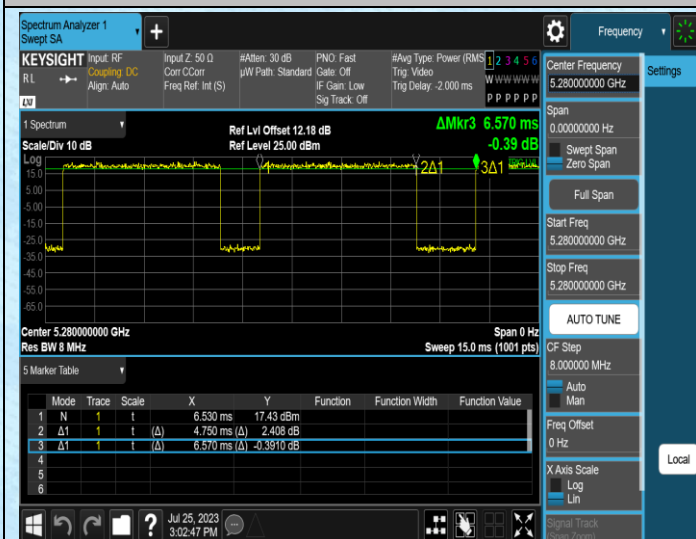




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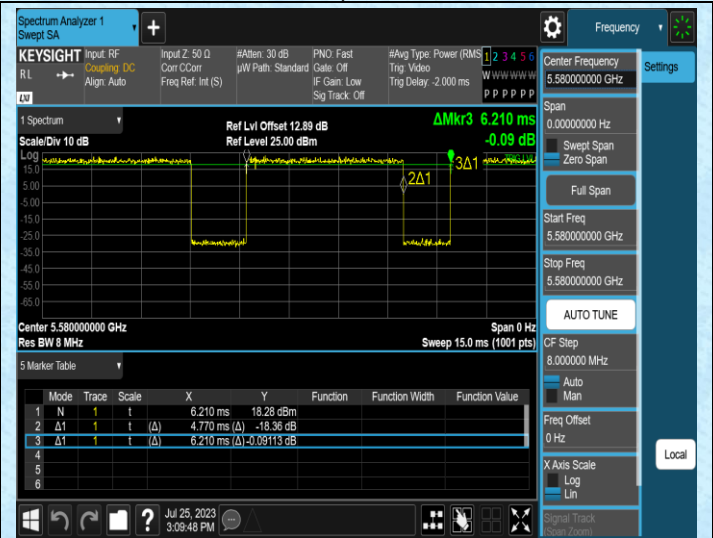
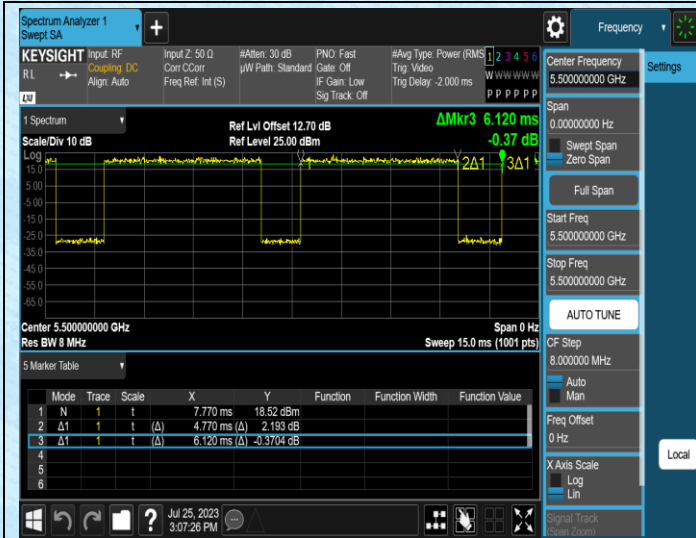
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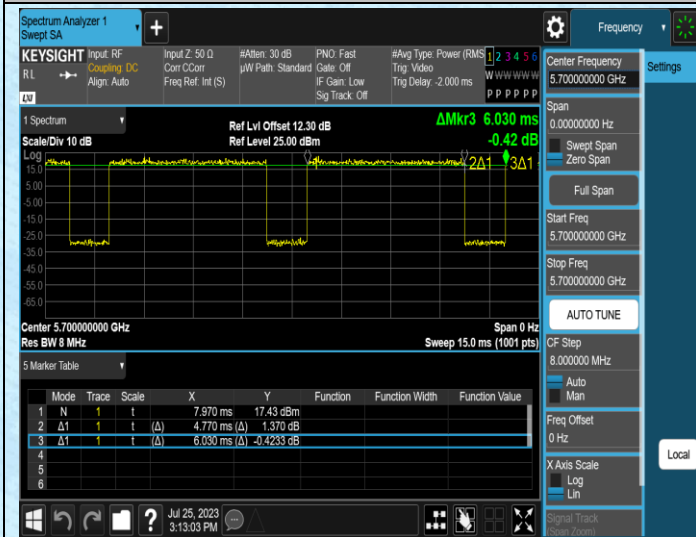
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NTNV-11N20SISO-Ant1-5320

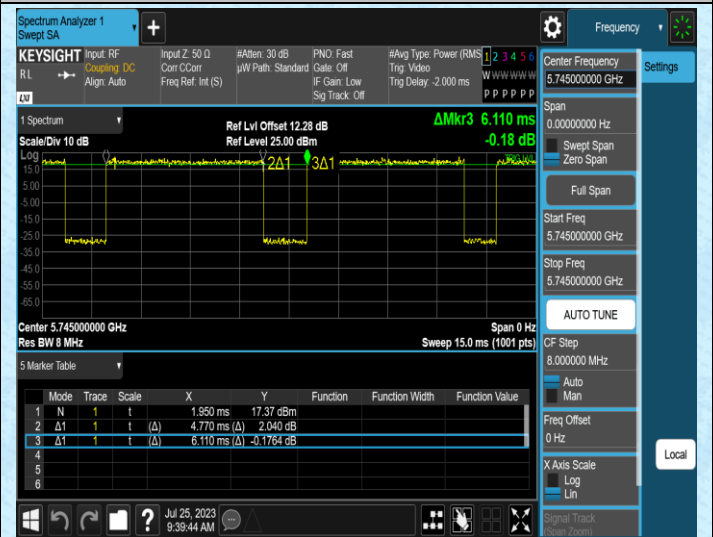




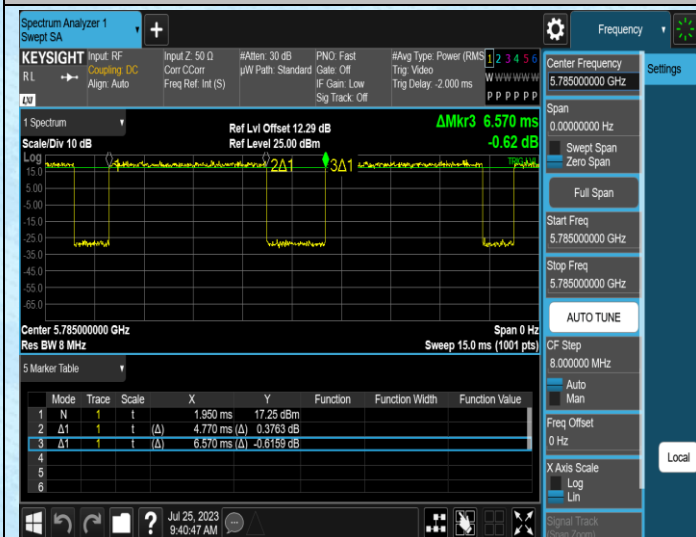
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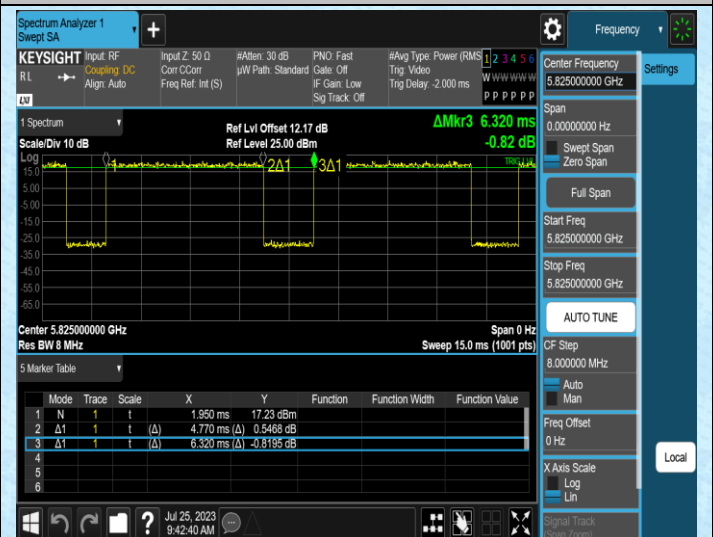
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NTNV-11N20SISO-Ant1-5700

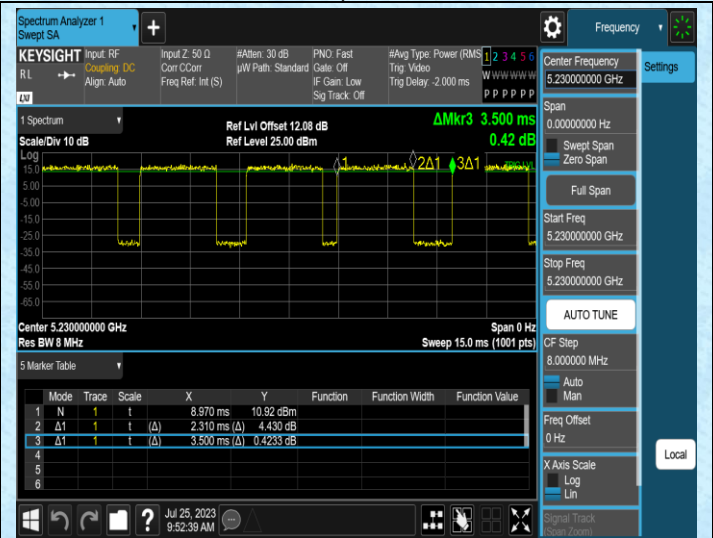
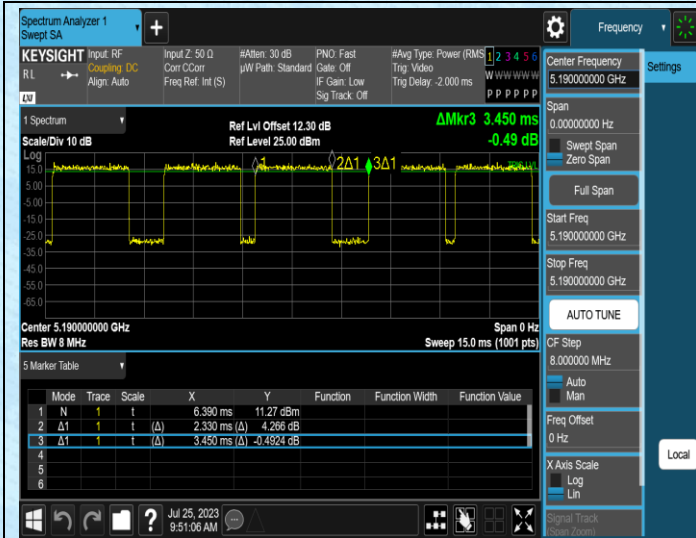


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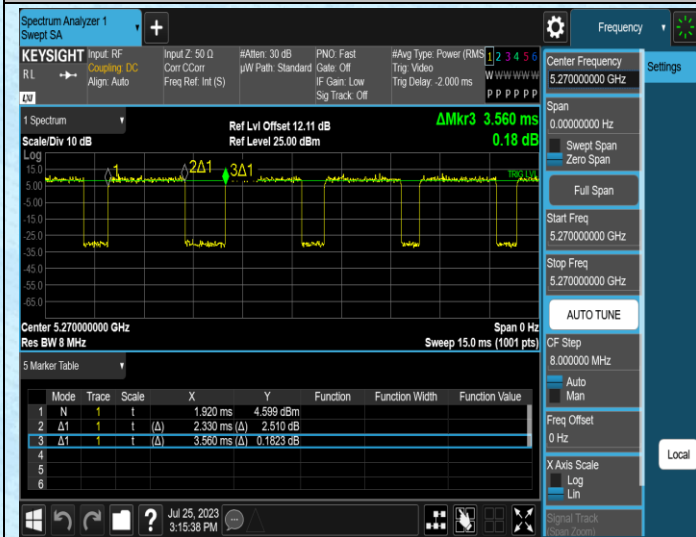


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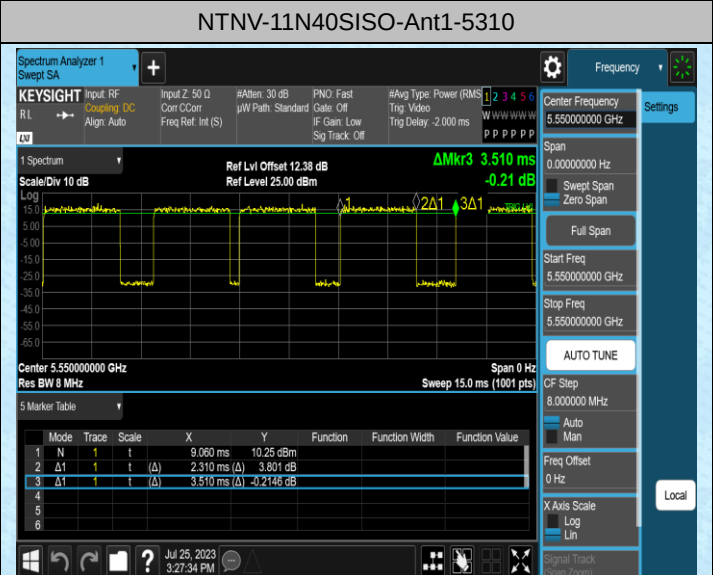
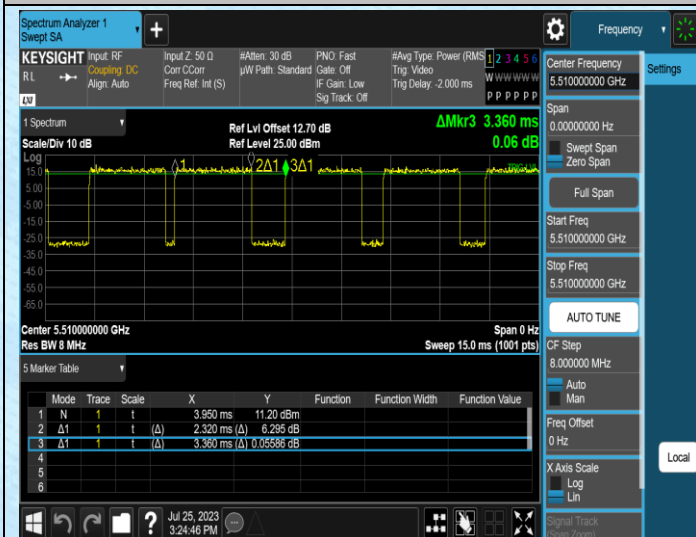
NTNV-11N20SISO-Ant1-5825



NTNV-11N40SISO-Ant1-5190

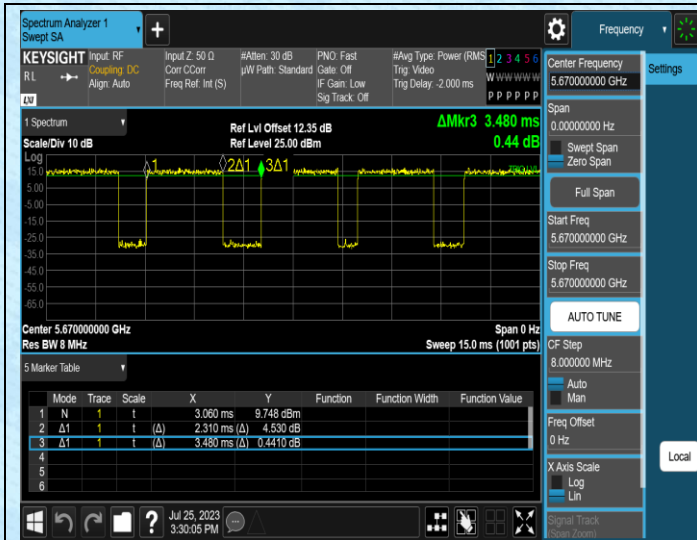


NTNV-11N40SISO-Ant1-5270

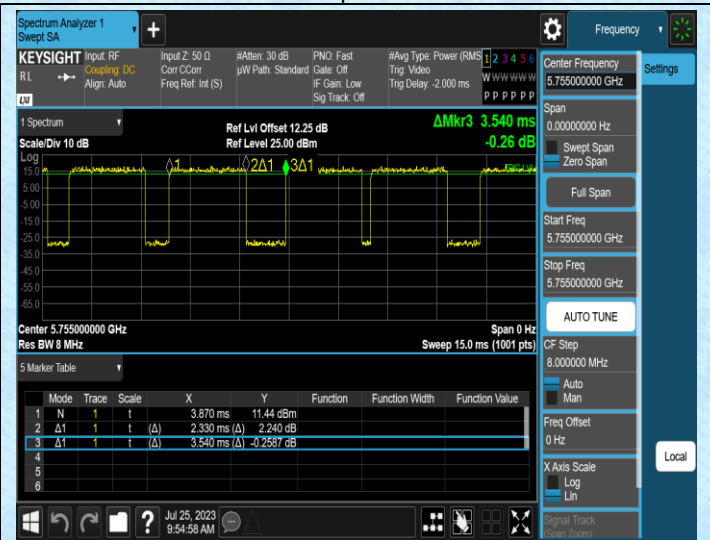


NTNV-11N40SISO-Ant1-5510

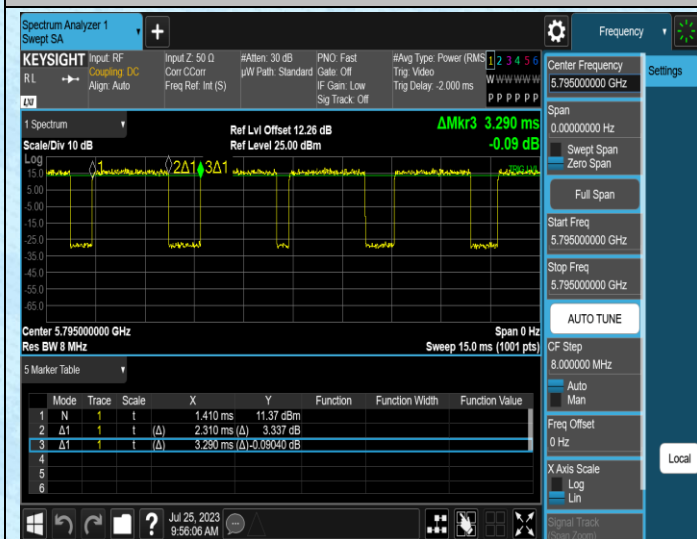
NTNV-11N40SISO-Ant1-5550



NTNV-11N40SISO-Ant1-5670



NTNV-11N40SISO-Ant1-5755



NTNV-11N40SISO-Ant1-5795



## AppendixC: Maximum conducted output power

### Test Result Channel Power

| Test Mode | Antenna | Frequency [MHz] | Rate  | Channel Power [dBm] | Duty Cycle [%] | DC Factor [dBm] | Result [dBm] | Limit [dBm] | Gain [dBi] | EIRP [dBm] | EIRP Limit [dBm] | Verdict |
|-----------|---------|-----------------|-------|---------------------|----------------|-----------------|--------------|-------------|------------|------------|------------------|---------|
| 11A       | Ant1    | 5180            | 6Mbps | 16.11               | 75.12          | 1.24            | 17.35        | ≤23.98      | 1.50       | 18.85      | ---              | PASS    |
| 11A       | Ant1    | 5200            | 6Mbps | 16.06               | 73.11          | 1.36            | 17.42        | ≤23.98      | 1.50       | 18.92      | ---              | PASS    |
| 11A       | Ant1    | 5240            | 6Mbps | 16.28               | 72.56          | 1.39            | 17.67        | ≤23.98      | 1.50       | 19.17      | ---              | PASS    |
| 11A       | Ant1    | 5260            | 6Mbps | 16.50               | 72.73          | 1.38            | 17.88        | ≤23.98      | 1.50       | 19.38      | ≤26.99           | PASS    |
| 11A       | Ant1    | 5280            | 6Mbps | 16.53               | 73.70          | 1.33            | 17.86        | ≤23.98      | 1.50       | 19.36      | ≤26.99           | PASS    |
| 11A       | Ant1    | 5320            | 6Mbps | 16.55               | 70.75          | 1.50            | 18.05        | ≤23.98      | 1.50       | 19.55      | ≤26.99           | PASS    |
| 11A       | Ant1    | 5500            | 6Mbps | 16.69               | 71.26          | 1.47            | 18.16        | ≤23.98      | 1.50       | 19.66      | ≤26.99           | PASS    |
| 11A       | Ant1    | 5580            | 6Mbps | 16.57               | 72.56          | 1.39            | 17.96        | ≤23.98      | 1.50       | 19.46      | ≤26.99           | PASS    |
| 11A       | Ant1    | 5700            | 6Mbps | 16.22               | 70.62          | 1.51            | 17.73        | ≤23.98      | 1.50       | 19.23      | ≤26.99           | PASS    |
| 11A       | Ant1    | 5745            | 6Mbps | 16.12               | 74.16          | 1.30            | 17.42        | ≤30.00      | 1.50       | 18.92      | ---              | PASS    |
| 11A       | Ant1    | 5785            | 6Mbps | 15.80               | 71.99          | 1.43            | 17.23        | ≤30.00      | 1.50       | 18.73      | ---              | PASS    |
| 11A       | Ant1    | 5825            | 6Mbps | 15.66               | 73.70          | 1.33            | 16.99        | ≤30.00      | 1.50       | 18.49      | ---              | PASS    |
| 11N20SISO | Ant1    | 5180            | MCS0  | 16.34               | 72.71          | 1.38            | 17.72        | ≤23.98      | 1.50       | 19.22      | ---              | PASS    |
| 11N20SISO | Ant1    | 5200            | MCS0  | 16.35               | 75.68          | 1.21            | 17.56        | ≤23.98      | 1.50       | 19.06      | ---              | PASS    |
| 11N20SISO | Ant1    | 5240            | MCS0  | 16.55               | 75.59          | 1.22            | 17.77        | ≤23.98      | 1.50       | 19.27      | ---              | PASS    |
| 11N20SISO | Ant1    | 5260            | MCS0  | 16.75               | 77.94          | 1.08            | 17.83        | ≤23.98      | 1.50       | 19.33      | ≤26.99           | PASS    |
| 11N20SISO | Ant1    | 5280            | MCS0  | 16.81               | 72.30          | 1.41            | 18.22        | ≤23.98      | 1.50       | 19.72      | ≤26.99           | PASS    |
| 11N20SISO | Ant1    | 5320            | MCS0  | 16.79               | 75.71          | 1.21            | 18.00        | ≤23.98      | 1.50       | 19.50      | ≤26.99           | PASS    |
| 11N20SISO | Ant1    | 5500            | MCS0  | 16.92               | 77.94          | 1.08            | 18.00        | ≤23.98      | 1.50       | 19.50      | ≤26.99           | PASS    |
| 11N20SISO | Ant1    | 5580            | MCS0  | 16.79               | 76.81          | 1.15            | 17.94        | ≤23.98      | 1.50       | 19.44      | ≤26.99           | PASS    |
| 11N20SISO | Ant1    | 5700            | MCS0  | 16.45               | 79.63          | 0.99            | 17.44        | ≤23.98      | 1.50       | 18.94      | ≤26.99           | PASS    |
| 11N20SISO | Ant1    | 5745            | MCS0  | 16.35               | 78.07          | 1.08            | 17.43        | ≤30.00      | 1.50       | 18.93      | ---              | PASS    |
| 11N20SISO | Ant1    | 5785            | MCS0  | 16.05               | 72.60          | 1.39            | 17.44        | ≤30.00      | 1.50       | 18.94      | ---              | PASS    |
| 11N20SISO | Ant1    | 5825            | MCS0  | 15.89               | 75.47          | 1.22            | 17.11        | ≤30.00      | 1.50       | 18.61      | ---              | PASS    |
| 11N40SISO | Ant1    | 5190            | MCS0  | 16.31               | 67.54          | 1.70            | 18.01        | ≤23.98      | 1.50       | 19.51      | ---              | PASS    |
| 11N40SISO | Ant1    | 5230            | MCS0  | 16.52               | 66.00          | 1.80            | 18.32        | ≤23.98      | 1.50       | 19.82      | ---              | PASS    |
| 11N40SISO | Ant1    | 5270            | MCS0  | 15.95               | 65.45          | 1.84            | 17.79        | ≤23.98      | 1.50       | 19.29      | ≤26.99           | PASS    |
| 11N40SISO | Ant1    | 5310            | MCS0  | 16.01               | 66.38          | 1.78            | 17.79        | ≤23.98      | 1.50       | 19.29      | ≤26.99           | PASS    |
| 11N40SISO | Ant1    | 5510            | MCS0  | 16.08               | 69.05          | 1.61            | 17.69        | ≤23.98      | 1.50       | 19.19      | ≤26.99           | PASS    |
| 11N40SISO | Ant1    | 5550            | MCS0  | 15.89               | 65.81          | 1.82            | 17.71        | ≤23.98      | 1.50       | 19.21      | ≤26.99           | PASS    |
| 11N40SISO | Ant1    | 5670            | MCS0  | 15.43               | 66.38          | 1.78            | 17.21        | ≤23.98      | 1.50       | 18.71      | ≤26.99           | PASS    |
| 11N40SISO | Ant1    | 5755            | MCS0  | 16.34               | 65.82          | 1.82            | 18.16        | ≤30.00      | 1.50       | 19.66      | ---              | PASS    |
| 11N40SISO | Ant1    | 5795            | MCS0  | 16.00               | 70.21          | 1.54            | 17.54        | ≤30.00      | 1.50       | 19.04      | ---              | PASS    |