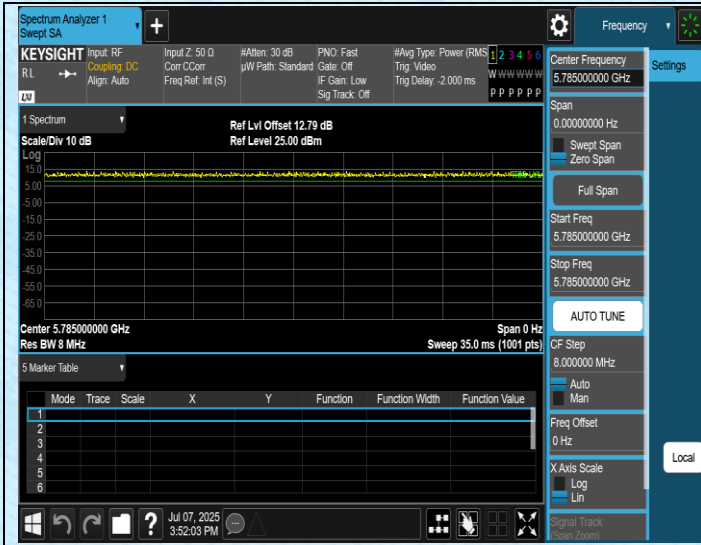
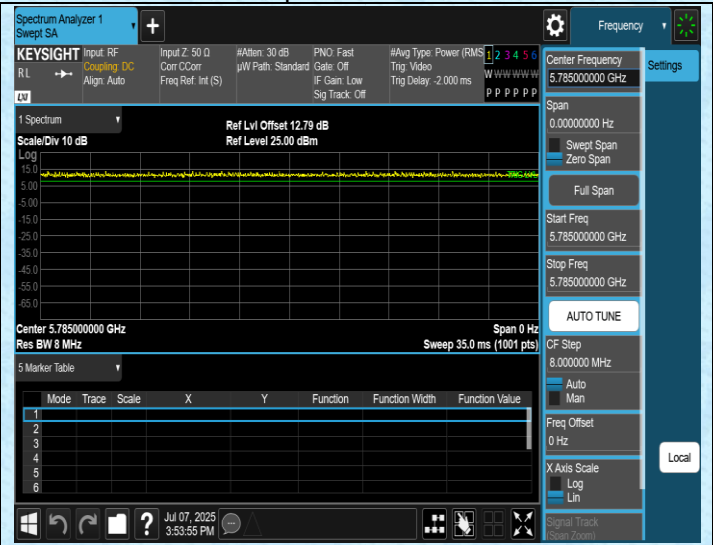
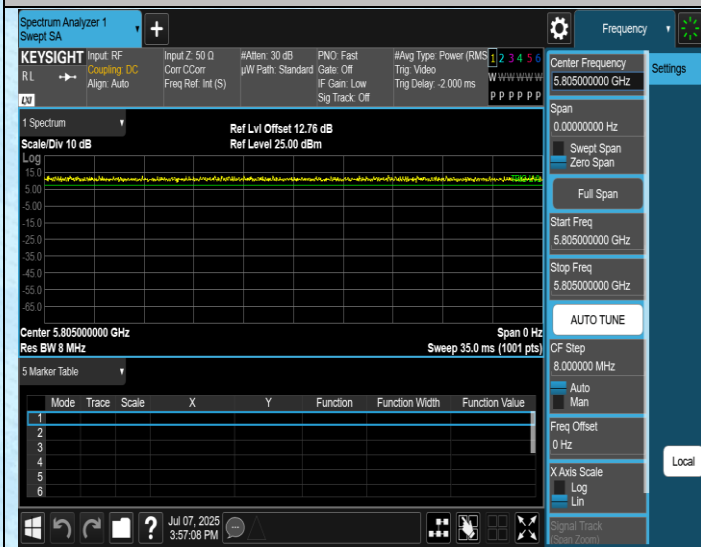




NTNV-11AC20MIMO-Ant3-5785



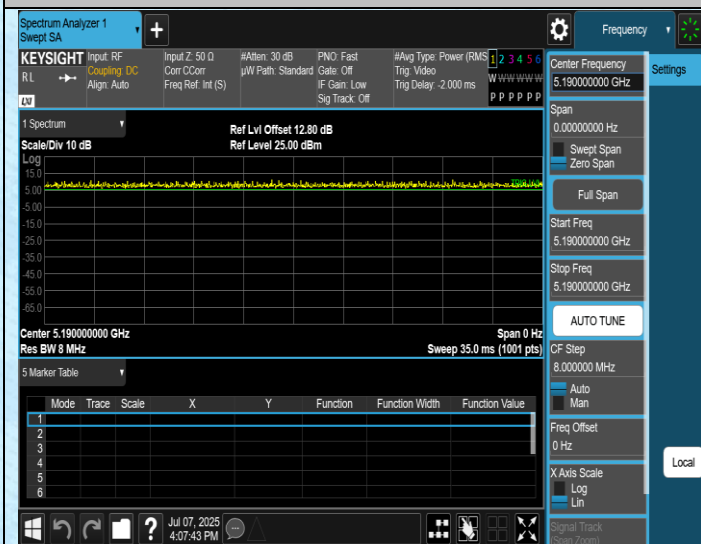
NTNV-11AC20MIMO-Ant4-5785



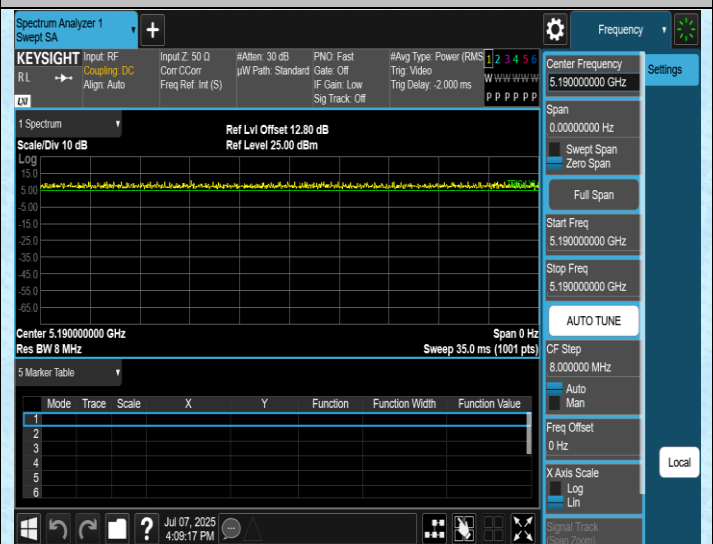
NTNV-11AC20MIMO-Ant3-5805



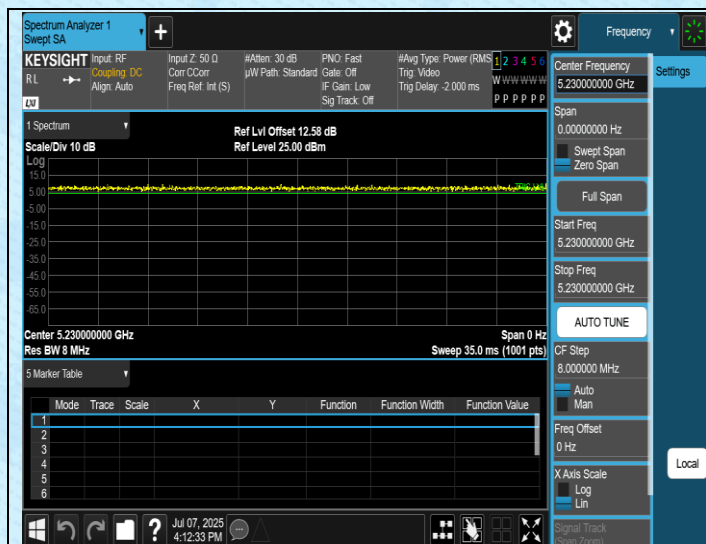
NTNV-11AC20MIMO-Ant4-5805



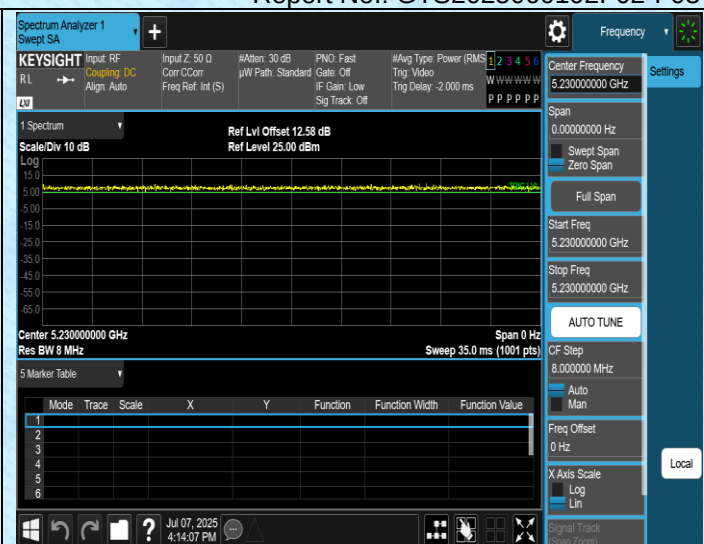
NTNV-11AC40MIMO-Ant3-5190



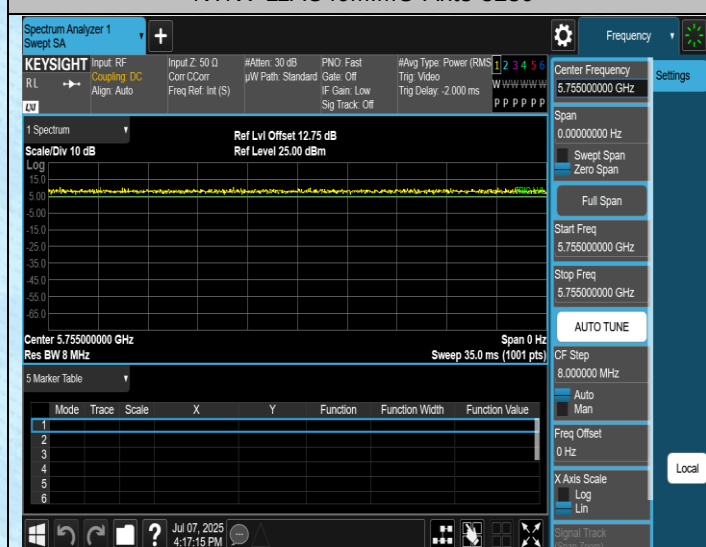
NTNV-11AC40MIMO-Ant4-5190



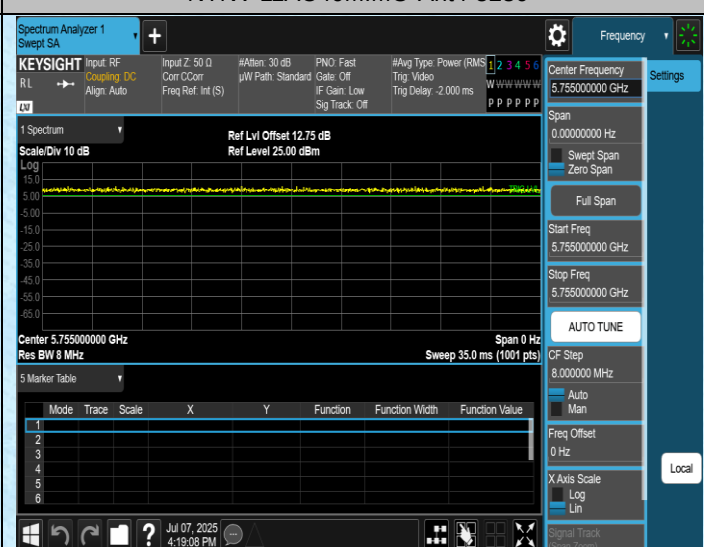
NTNV-11AC40MIMO-Ant3-5230



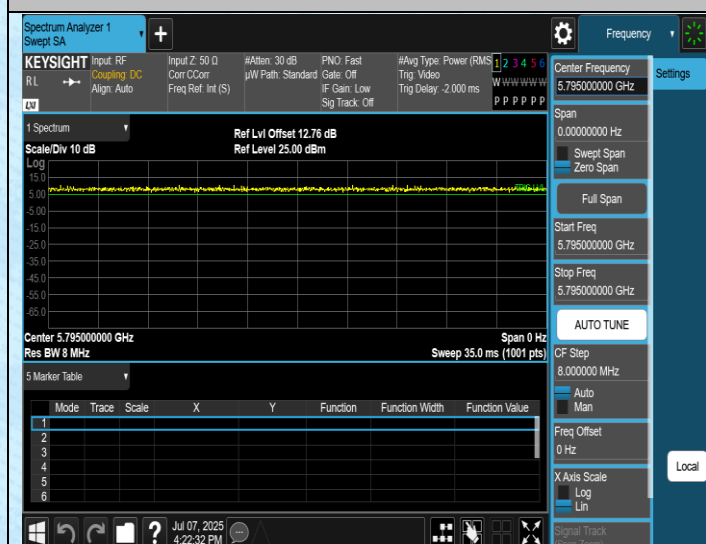
NTNV-11AC40MIMO-Ant4-5230



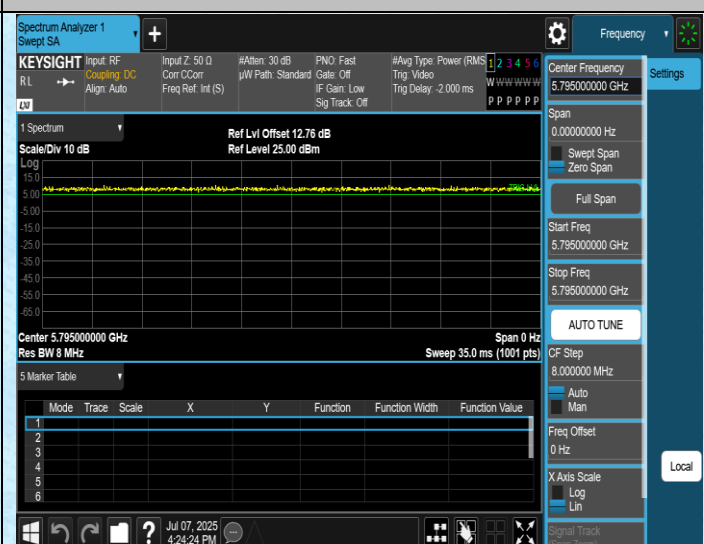
NTNV-11AC40MIMO-Ant3-5755



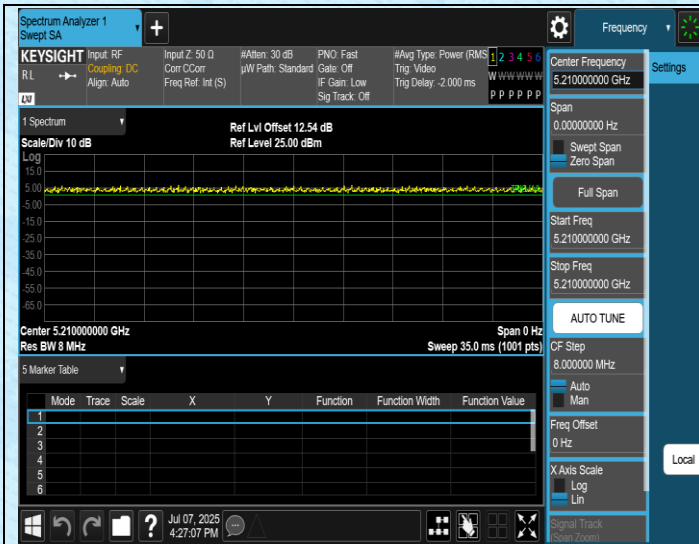
NTNV-11AC40MIMO-Ant4-5755



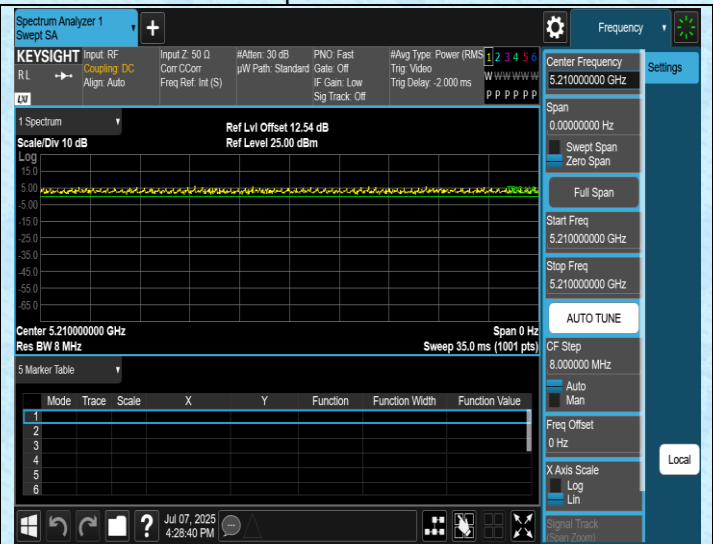
NTNV-11AC40MIMO-Ant3-5795



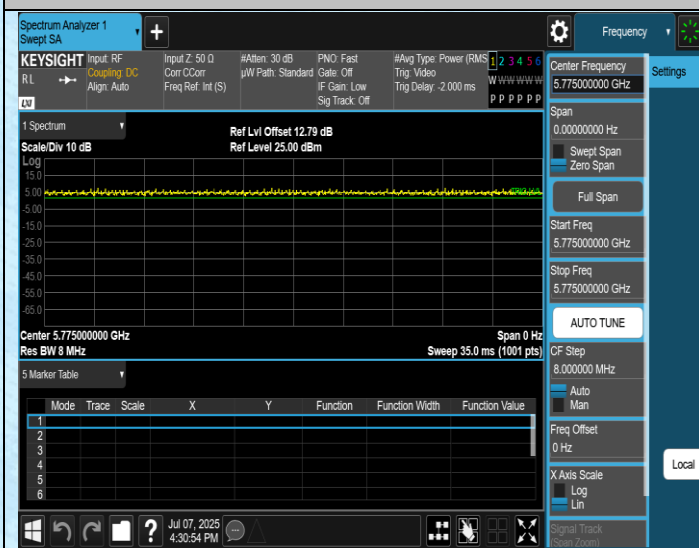
NTNV-11AC40MIMO-Ant4-5795



NTNV-11AC80MIMO-Ant3-5210



NTNV-11AC80MIMO-Ant4-5210



NTNV-11AC80MIMO-Ant3-5775



NTNV-11AC80MIMO-Ant4-5775



## AppendixC: Maximum conducted output power

### Test Result

| Test Mode  | Antenna | Frequency[MHz] | Rate | Power [dBm] | Duty Cycle [%] | DC Factor [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|------------|---------|----------------|------|-------------|----------------|-----------------|--------------|-------------|---------|
| 11AC20SISO | Ant3    | 5180           | MCS0 | 15.00       | 100.00         | 0.00            | 15.00        | ≤23.98      | PASS    |
| 11AC20SISO | Ant4    | 5180           | MCS0 | 15.20       | 100.00         | 0.00            | 15.20        | ≤23.98      | PASS    |
| 11AC20SISO | Ant3    | 5200           | MCS0 | 15.19       | 100.00         | 0.00            | 15.19        | ≤23.98      | PASS    |
| 11AC20SISO | Ant4    | 5200           | MCS0 | 14.90       | 100.00         | 0.00            | 14.90        | ≤23.98      | PASS    |
| 11AC20SISO | Ant3    | 5240           | MCS0 | 14.67       | 100.00         | 0.00            | 14.67        | ≤23.98      | PASS    |
| 11AC20SISO | Ant4    | 5240           | MCS0 | 15.36       | 100.00         | 0.00            | 15.36        | ≤23.98      | PASS    |
| 11AC20SISO | Ant3    | 5745           | MCS0 | 15.31       | 100.00         | 0.00            | 15.31        | ≤30.00      | PASS    |
| 11AC20SISO | Ant4    | 5745           | MCS0 | 15.24       | 100.00         | 0.00            | 15.24        | ≤30.00      | PASS    |
| 11AC20SISO | Ant3    | 5765           | MCS0 | 15.67       | 100.00         | 0.00            | 15.67        | ≤30.00      | PASS    |
| 11AC20SISO | Ant4    | 5765           | MCS0 | 15.27       | 100.00         | 0.00            | 15.27        | ≤30.00      | PASS    |
| 11AC20SISO | Ant3    | 5785           | MCS0 | 15.65       | 100.00         | 0.00            | 15.65        | ≤30.00      | PASS    |
| 11AC20SISO | Ant4    | 5785           | MCS0 | 14.81       | 100.00         | 0.00            | 14.81        | ≤30.00      | PASS    |
| 11AC20SISO | Ant3    | 5805           | MCS0 | 14.96       | 100.00         | 0.00            | 14.96        | ≤30.00      | PASS    |
| 11AC20SISO | Ant4    | 5805           | MCS0 | 14.67       | 100.00         | 0.00            | 14.67        | ≤30.00      | PASS    |
| 11AC40SISO | Ant3    | 5190           | MCS0 | 14.84       | 100.00         | 0.00            | 14.84        | ≤23.98      | PASS    |
| 11AC40SISO | Ant4    | 5190           | MCS0 | 14.73       | 100.00         | 0.00            | 14.73        | ≤23.98      | PASS    |
| 11AC40SISO | Ant3    | 5230           | MCS0 | 14.30       | 100.00         | 0.00            | 14.30        | ≤23.98      | PASS    |
| 11AC40SISO | Ant4    | 5230           | MCS0 | 14.87       | 100.00         | 0.00            | 14.87        | ≤23.98      | PASS    |
| 11AC40SISO | Ant3    | 5755           | MCS0 | 15.12       | 100.00         | 0.00            | 15.12        | ≤30.00      | PASS    |
| 11AC40SISO | Ant4    | 5755           | MCS0 | 15.65       | 100.00         | 0.00            | 15.65        | ≤30.00      | PASS    |
| 11AC40SISO | Ant3    | 5795           | MCS0 | 14.98       | 100.00         | 0.00            | 14.98        | ≤30.00      | PASS    |
| 11AC40SISO | Ant4    | 5795           | MCS0 | 15.09       | 100.00         | 0.00            | 15.09        | ≤30.00      | PASS    |
| 11AC80SISO | Ant3    | 5210           | MCS0 | 15.25       | 100.00         | 0.00            | 15.25        | ≤23.98      | PASS    |
| 11AC80SISO | Ant4    | 5210           | MCS0 | 14.48       | 100.00         | 0.00            | 14.48        | ≤23.98      | PASS    |
| 11AC80SISO | Ant3    | 5775           | MCS0 | 15.57       | 100.00         | 0.00            | 15.57        | ≤30.00      | PASS    |
| 11AC80SISO | Ant4    | 5775           | MCS0 | 15.17       | 100.00         | 0.00            | 15.17        | ≤30.00      | PASS    |
| 11AC20MIMO | Ant3    | 5180           | MCS0 | 8.93        | 100.00         | 0.00            | 8.93         | ≤23.98      | PASS    |
| 11AC20MIMO | Ant4    | 5180           | MCS0 | 8.73        | 100.00         | 0.00            | 8.73         | ≤23.98      | PASS    |
| 11AC20MIMO | total   | 5180           | MCS0 | ---         | ---            | ---             | 11.84        | ≤23.98      | PASS    |
| 11AC20MIMO | Ant3    | 5200           | MCS0 | 9.17        | 100.00         | 0.00            | 9.17         | ≤23.98      | PASS    |
| 11AC20MIMO | Ant4    | 5200           | MCS0 | 8.36        | 100.00         | 0.00            | 8.36         | ≤23.98      | PASS    |
| 11AC20MIMO | total   | 5200           | MCS0 | ---         | ---            | ---             | 11.79        | ≤23.98      | PASS    |
| 11AC20MIMO | Ant3    | 5240           | MCS0 | 8.15        | 100.00         | 0.00            | 8.15         | ≤23.98      | PASS    |
| 11AC20MIMO | Ant4    | 5240           | MCS0 | 9.19        | 100.00         | 0.00            | 9.19         | ≤23.98      | PASS    |
| 11AC20MIMO | total   | 5240           | MCS0 | ---         | ---            | ---             | 11.71        | ≤23.98      | PASS    |
| 11AC20MIMO | Ant3    | 5745           | MCS0 | 8.96        | 100.00         | 0.00            | 8.96         | ≤30.00      | PASS    |
| 11AC20MIMO | Ant4    | 5745           | MCS0 | 9.59        | 100.00         | 0.00            | 9.59         | ≤30.00      | PASS    |
| 11AC20MIMO | total   | 5745           | MCS0 | ---         | ---            | ---             | 12.30        | ≤30.00      | PASS    |
| 11AC20MIMO | Ant3    | 5765           | MCS0 | 9.03        | 100.00         | 0.00            | 9.03         | ≤30.00      | PASS    |

|            |       |      |      |       |        |      |       |        |      |
|------------|-------|------|------|-------|--------|------|-------|--------|------|
| 11AC20MIMO | Ant4  | 5765 | MCS0 | 9.66  | 100.00 | 0.00 | 9.66  | ≤30.00 | PASS |
| 11AC20MIMO | total | 5765 | MCS0 | ---   | ---    | ---  | 12.37 | ≤30.00 | PASS |
| 11AC20MIMO | Ant3  | 5785 | MCS0 | 9.34  | 100.00 | 0.00 | 9.34  | ≤30.00 | PASS |
| 11AC20MIMO | Ant4  | 5785 | MCS0 | 9.15  | 100.00 | 0.00 | 9.15  | ≤30.00 | PASS |
| 11AC20MIMO | total | 5785 | MCS0 | ---   | ---    | ---  | 12.26 | ≤30.00 | PASS |
| 11AC20MIMO | Ant3  | 5805 | MCS0 | 8.41  | 100.00 | 0.00 | 8.41  | ≤30.00 | PASS |
| 11AC20MIMO | Ant4  | 5805 | MCS0 | 8.91  | 100.00 | 0.00 | 8.91  | ≤30.00 | PASS |
| 11AC20MIMO | total | 5805 | MCS0 | ---   | ---    | ---  | 11.68 | ≤30.00 | PASS |
| 11AC40MIMO | Ant3  | 5190 | MCS0 | 9.52  | 100.00 | 0.00 | 9.52  | ≤23.98 | PASS |
| 11AC40MIMO | Ant4  | 5190 | MCS0 | 9.09  | 100.00 | 0.00 | 9.09  | ≤23.98 | PASS |
| 11AC40MIMO | total | 5190 | MCS0 | ---   | ---    | ---  | 12.32 | ≤23.98 | PASS |
| 11AC40MIMO | Ant3  | 5230 | MCS0 | 8.99  | 100.00 | 0.00 | 8.99  | ≤23.98 | PASS |
| 11AC40MIMO | Ant4  | 5230 | MCS0 | 9.50  | 100.00 | 0.00 | 9.50  | ≤23.98 | PASS |
| 11AC40MIMO | total | 5230 | MCS0 | ---   | ---    | ---  | 12.26 | ≤23.98 | PASS |
| 11AC40MIMO | Ant3  | 5755 | MCS0 | 9.76  | 100.00 | 0.00 | 9.76  | ≤30.00 | PASS |
| 11AC40MIMO | Ant4  | 5755 | MCS0 | 10.31 | 100.00 | 0.00 | 10.31 | ≤30.00 | PASS |
| 11AC40MIMO | total | 5755 | MCS0 | ---   | ---    | ---  | 13.05 | ≤30.00 | PASS |
| 11AC40MIMO | Ant3  | 5795 | MCS0 | 9.46  | 100.00 | 0.00 | 9.46  | ≤30.00 | PASS |
| 11AC40MIMO | Ant4  | 5795 | MCS0 | 9.63  | 100.00 | 0.00 | 9.63  | ≤30.00 | PASS |
| 11AC40MIMO | total | 5795 | MCS0 | ---   | ---    | ---  | 12.56 | ≤30.00 | PASS |
| 11AC80MIMO | Ant3  | 5210 | MCS0 | 8.79  | 100.00 | 0.00 | 8.79  | ≤23.98 | PASS |
| 11AC80MIMO | Ant4  | 5210 | MCS0 | 8.81  | 100.00 | 0.00 | 8.81  | ≤23.98 | PASS |
| 11AC80MIMO | total | 5210 | MCS0 | ---   | ---    | ---  | 11.81 | ≤23.98 | PASS |
| 11AC80MIMO | Ant3  | 5775 | MCS0 | 9.25  | 100.00 | 0.00 | 9.25  | ≤30.00 | PASS |
| 11AC80MIMO | Ant4  | 5775 | MCS0 | 9.61  | 100.00 | 0.00 | 9.61  | ≤30.00 | PASS |
| 11AC80MIMO | total | 5775 | MCS0 | ---   | ---    | ---  | 12.44 | ≤30.00 | PASS |

Note: The Duty Cycle Factor is compensated in the graph.



## AppendixD: Maximum power spectral density

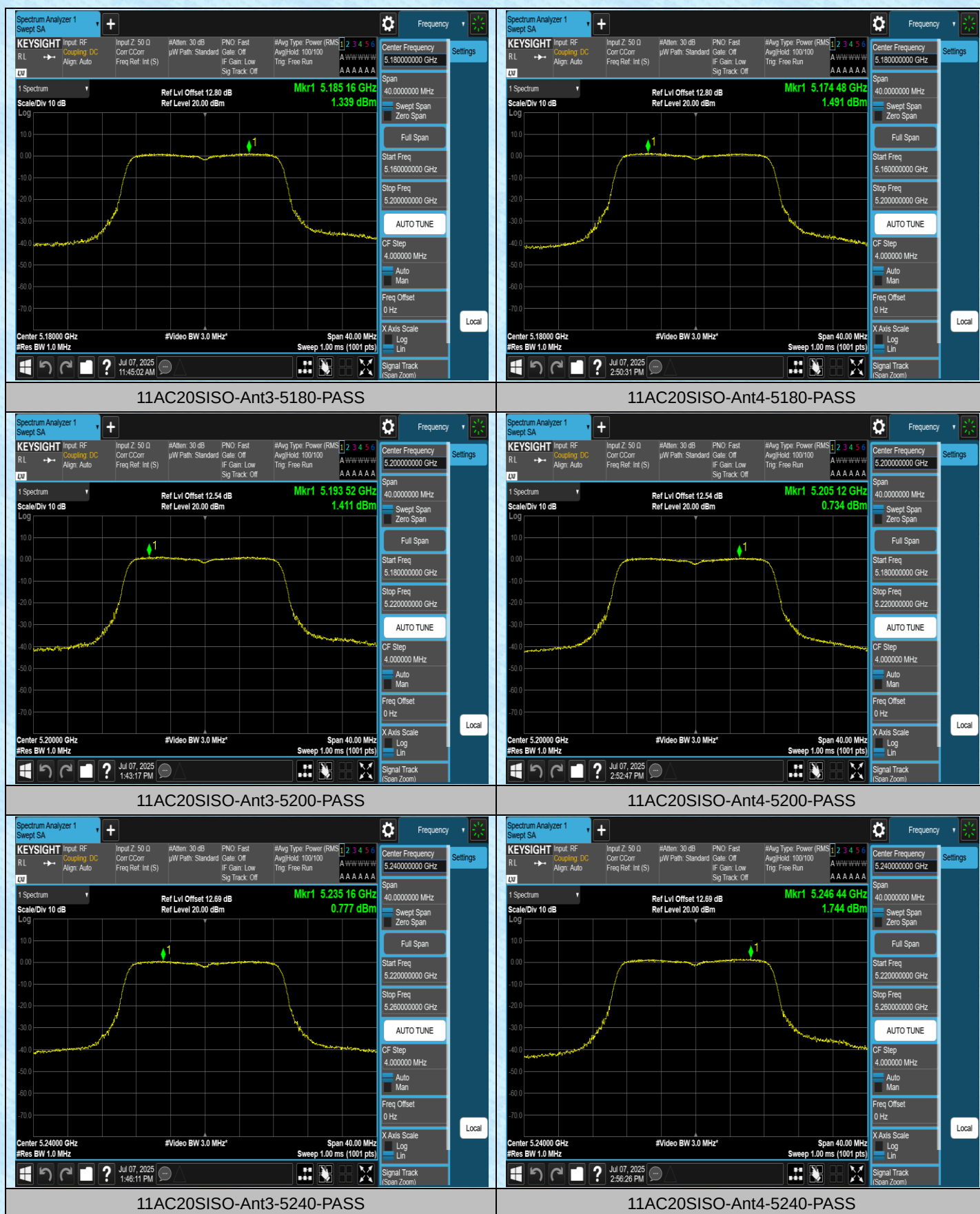
### Test Result

| Test Mode  | Antenna | Frequency[MHz] | Rate | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|----------------|------|------------------|----------------|---------|
| 11AC20SISO | Ant3    | 5180           | MCS0 | 1.34             | ≤11.00         | PASS    |
| 11AC20SISO | Ant4    | 5180           | MCS0 | 1.49             | ≤11.00         | PASS    |
| 11AC20SISO | Ant3    | 5200           | MCS0 | 1.41             | ≤11.00         | PASS    |
| 11AC20SISO | Ant4    | 5200           | MCS0 | 0.73             | ≤11.00         | PASS    |
| 11AC20SISO | Ant3    | 5240           | MCS0 | 0.78             | ≤11.00         | PASS    |
| 11AC20SISO | Ant4    | 5240           | MCS0 | 1.74             | ≤11.00         | PASS    |
| 11AC20SISO | Ant3    | 5745           | MCS0 | -0.96            | ≤30.00         | PASS    |
| 11AC20SISO | Ant4    | 5745           | MCS0 | -0.21            | ≤30.00         | PASS    |
| 11AC20SISO | Ant3    | 5765           | MCS0 | -0.75            | ≤30.00         | PASS    |
| 11AC20SISO | Ant4    | 5765           | MCS0 | -0.85            | ≤30.00         | PASS    |
| 11AC20SISO | Ant3    | 5785           | MCS0 | -1.06            | ≤30.00         | PASS    |
| 11AC20SISO | Ant4    | 5785           | MCS0 | -1.46            | ≤30.00         | PASS    |
| 11AC20SISO | Ant3    | 5805           | MCS0 | -1.22            | ≤30.00         | PASS    |
| 11AC20SISO | Ant4    | 5805           | MCS0 | -1.84            | ≤30.00         | PASS    |
| 11AC40SISO | Ant3    | 5190           | MCS0 | -2.27            | ≤11.00         | PASS    |
| 11AC40SISO | Ant4    | 5190           | MCS0 | -2.22            | ≤11.00         | PASS    |
| 11AC40SISO | Ant3    | 5230           | MCS0 | -2.73            | ≤11.00         | PASS    |
| 11AC40SISO | Ant4    | 5230           | MCS0 | -1.94            | ≤11.00         | PASS    |
| 11AC40SISO | Ant3    | 5755           | MCS0 | -3.87            | ≤30.00         | PASS    |
| 11AC40SISO | Ant4    | 5755           | MCS0 | -4.26            | ≤30.00         | PASS    |
| 11AC40SISO | Ant3    | 5795           | MCS0 | -4.85            | ≤30.00         | PASS    |
| 11AC40SISO | Ant4    | 5795           | MCS0 | -4.52            | ≤30.00         | PASS    |
| 11AC80SISO | Ant3    | 5210           | MCS0 | -4.15            | ≤11.00         | PASS    |
| 11AC80SISO | Ant4    | 5210           | MCS0 | -4.83            | ≤11.00         | PASS    |
| 11AC80SISO | Ant3    | 5775           | MCS0 | -6.63            | ≤30.00         | PASS    |
| 11AC80SISO | Ant4    | 5775           | MCS0 | -6.97            | ≤30.00         | PASS    |
| 11AC20MIMO | Ant3    | 5180           | MCS0 | -2.12            | ≤11.00         | PASS    |
| 11AC20MIMO | Ant4    | 5180           | MCS0 | -3.81            | ≤11.00         | PASS    |
| 11AC20MIMO | total   | 5180           | MCS0 | 0.13             | ≤11.00         | PASS    |
| 11AC20MIMO | Ant3    | 5200           | MCS0 | -4.69            | ≤11.00         | PASS    |
| 11AC20MIMO | Ant4    | 5200           | MCS0 | -5.70            | ≤11.00         | PASS    |
| 11AC20MIMO | total   | 5200           | MCS0 | -2.16            | ≤11.00         | PASS    |
| 11AC20MIMO | Ant3    | 5240           | MCS0 | -5.27            | ≤11.00         | PASS    |
| 11AC20MIMO | Ant4    | 5240           | MCS0 | -4.16            | ≤11.00         | PASS    |
| 11AC20MIMO | total   | 5240           | MCS0 | -1.67            | ≤11.00         | PASS    |
| 11AC20MIMO | Ant3    | 5745           | MCS0 | -7.41            | ≤30.00         | PASS    |
| 11AC20MIMO | Ant4    | 5745           | MCS0 | -6.74            | ≤30.00         | PASS    |
| 11AC20MIMO | total   | 5745           | MCS0 | -4.05            | ≤30.00         | PASS    |
| 11AC20MIMO | Ant3    | 5765           | MCS0 | -6.84            | ≤30.00         | PASS    |
| 11AC20MIMO | Ant4    | 5765           | MCS0 | -6.21            | ≤30.00         | PASS    |

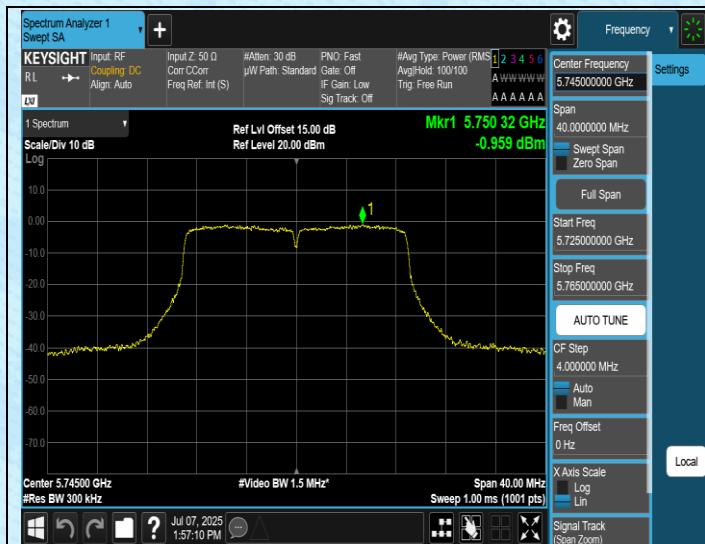
|            |       |      |      |        |        |      |
|------------|-------|------|------|--------|--------|------|
| 11AC20MIMO | total | 5765 | MCS0 | -3.50  | ≤30.00 | PASS |
| 11AC20MIMO | Ant3  | 5785 | MCS0 | -7.25  | ≤30.00 | PASS |
| 11AC20MIMO | Ant4  | 5785 | MCS0 | -7.05  | ≤30.00 | PASS |
| 11AC20MIMO | total | 5785 | MCS0 | -4.14  | ≤30.00 | PASS |
| 11AC20MIMO | Ant3  | 5805 | MCS0 | -7.95  | ≤30.00 | PASS |
| 11AC20MIMO | Ant4  | 5805 | MCS0 | -7.52  | ≤30.00 | PASS |
| 11AC20MIMO | total | 5805 | MCS0 | -4.72  | ≤30.00 | PASS |
| 11AC40MIMO | Ant3  | 5190 | MCS0 | -7.37  | ≤11.00 | PASS |
| 11AC40MIMO | Ant4  | 5190 | MCS0 | -7.90  | ≤11.00 | PASS |
| 11AC40MIMO | total | 5190 | MCS0 | -4.62  | ≤11.00 | PASS |
| 11AC40MIMO | Ant3  | 5230 | MCS0 | -7.81  | ≤11.00 | PASS |
| 11AC40MIMO | Ant4  | 5230 | MCS0 | -7.14  | ≤11.00 | PASS |
| 11AC40MIMO | total | 5230 | MCS0 | -4.45  | ≤11.00 | PASS |
| 11AC40MIMO | Ant3  | 5755 | MCS0 | -9.86  | ≤30.00 | PASS |
| 11AC40MIMO | Ant4  | 5755 | MCS0 | -9.36  | ≤30.00 | PASS |
| 11AC40MIMO | total | 5755 | MCS0 | -6.59  | ≤30.00 | PASS |
| 11AC40MIMO | Ant3  | 5795 | MCS0 | -10.19 | ≤30.00 | PASS |
| 11AC40MIMO | Ant4  | 5795 | MCS0 | -10.12 | ≤30.00 | PASS |
| 11AC40MIMO | total | 5795 | MCS0 | -7.14  | ≤30.00 | PASS |
| 11AC80MIMO | Ant3  | 5210 | MCS0 | -10.65 | ≤11.00 | PASS |
| 11AC80MIMO | Ant4  | 5210 | MCS0 | -10.54 | ≤11.00 | PASS |
| 11AC80MIMO | total | 5210 | MCS0 | -7.58  | ≤11.00 | PASS |
| 11AC80MIMO | Ant3  | 5775 | MCS0 | -12.48 | ≤30.00 | PASS |
| 11AC80MIMO | Ant4  | 5775 | MCS0 | -12.17 | ≤30.00 | PASS |
| 11AC80MIMO | total | 5775 | MCS0 | -9.31  | ≤30.00 | PASS |

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.  
2.The Duty Cycle Factorand RBW Factor is compensated in the graph.

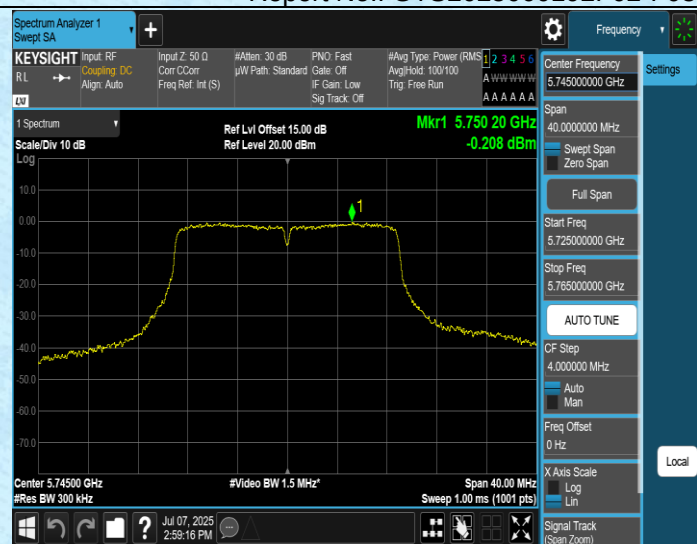
## Test Graphs



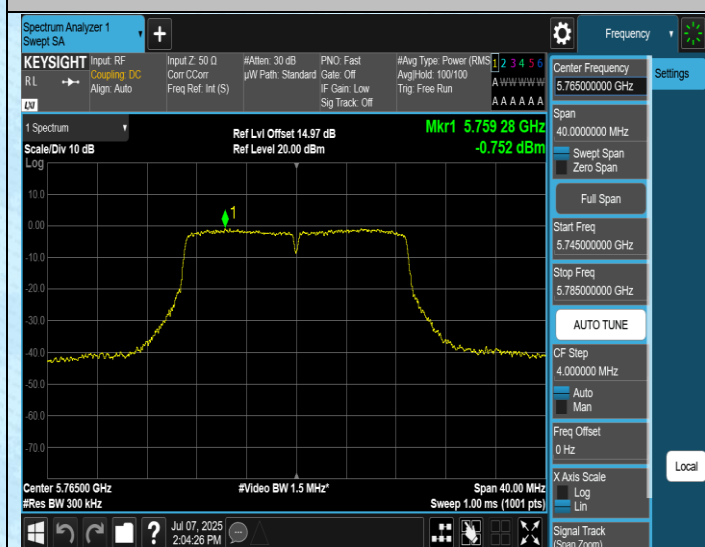




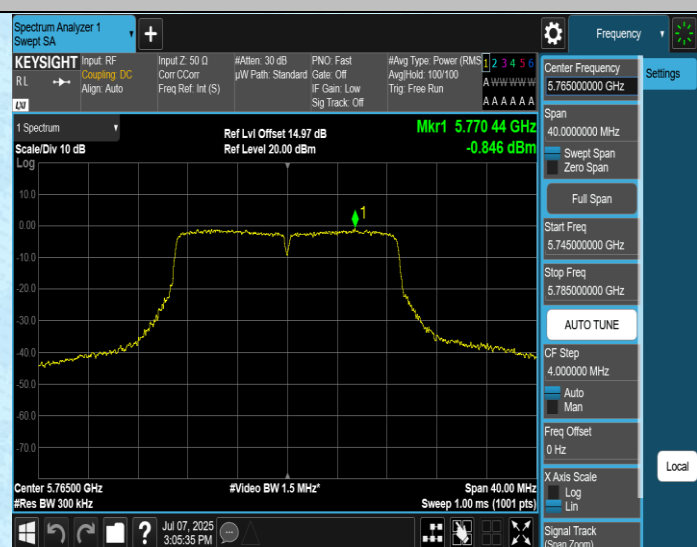
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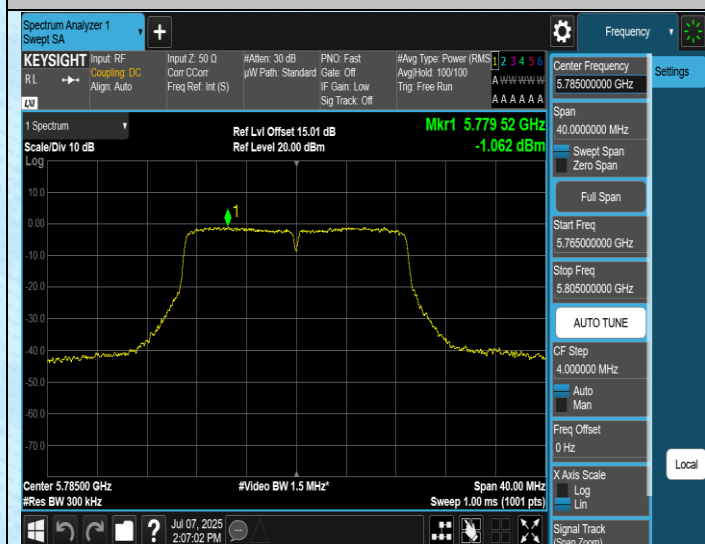
11AC20SISO-Ant4-5745-PASS



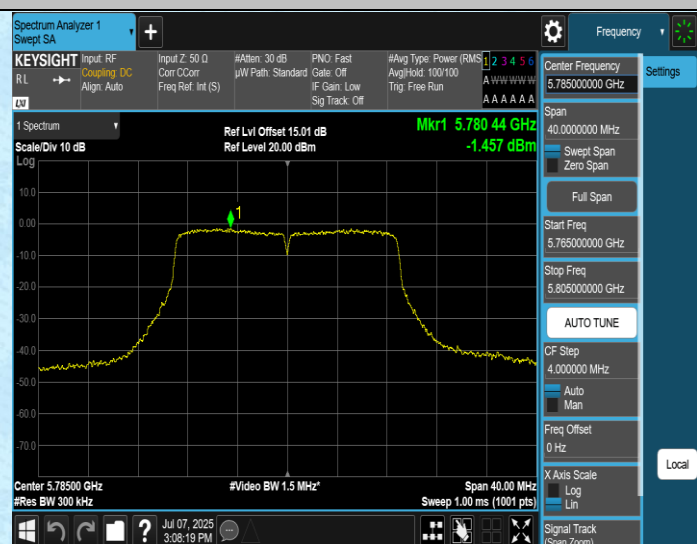
11AC20SISO-Ant3-5765-PASS



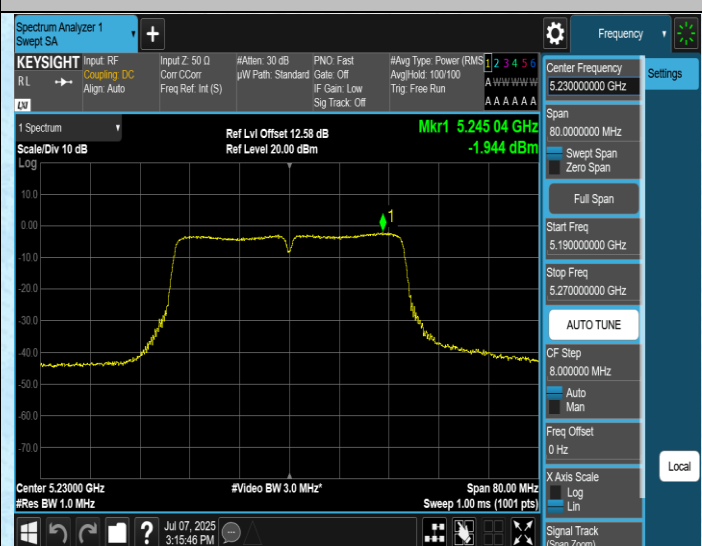
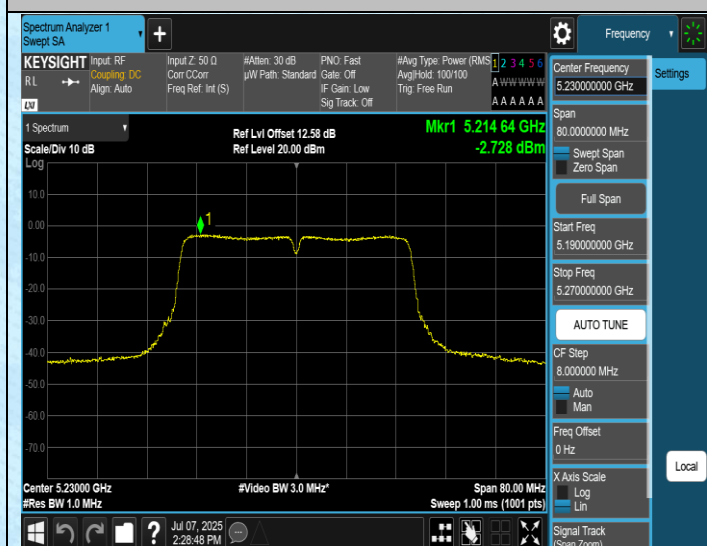
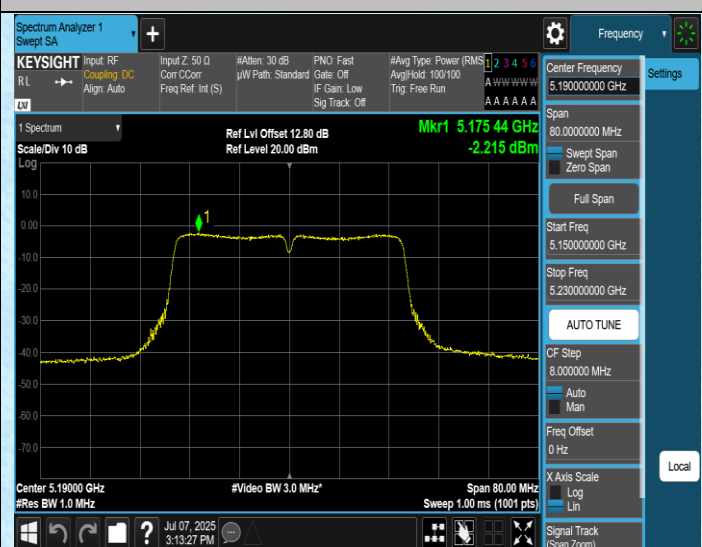
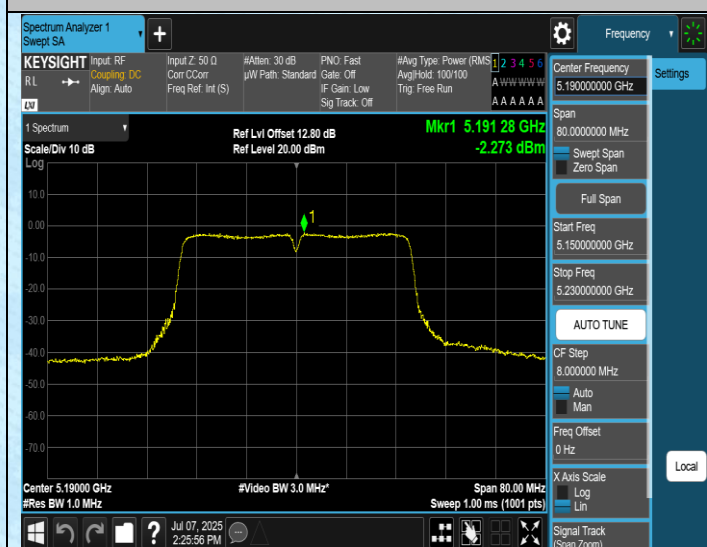
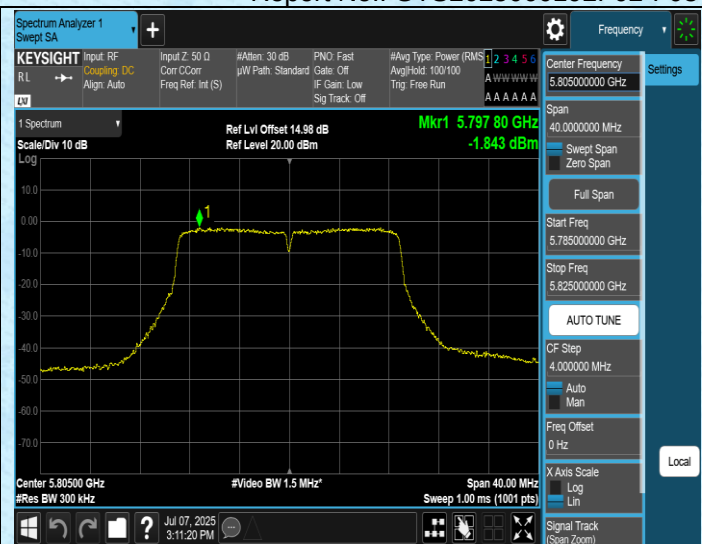
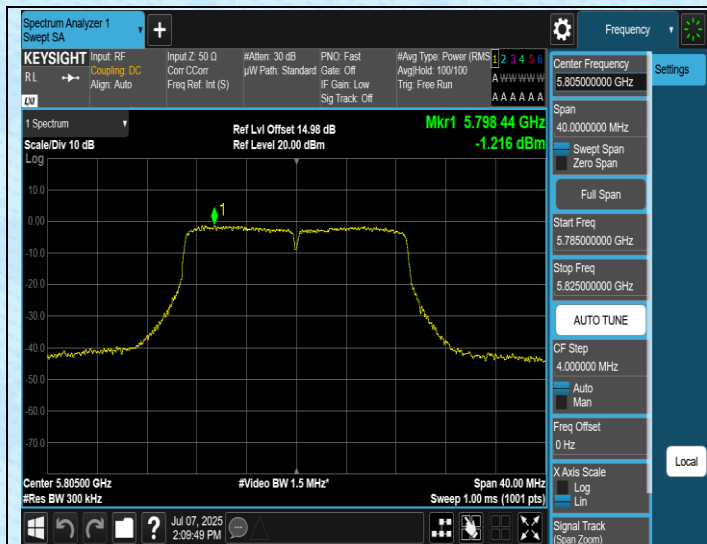
11AC20SISO-Ant4-5765-PASS

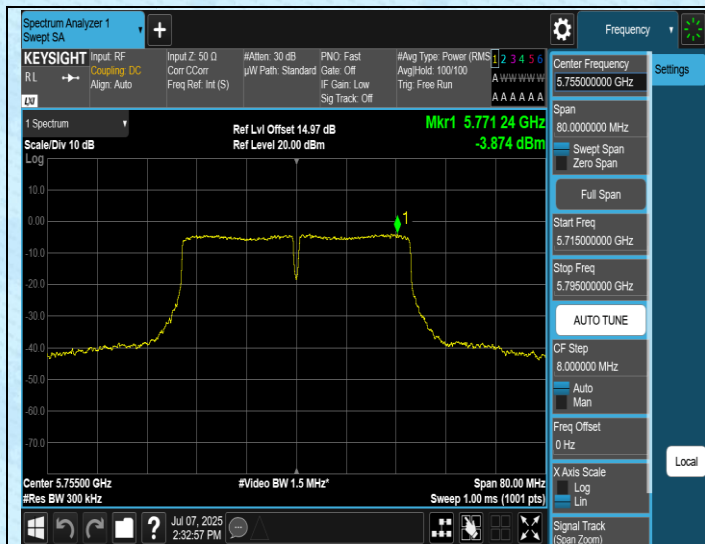


11AC20SISO-Ant3-5785-PASS



11AC20SISO-Ant4-5785-PASS

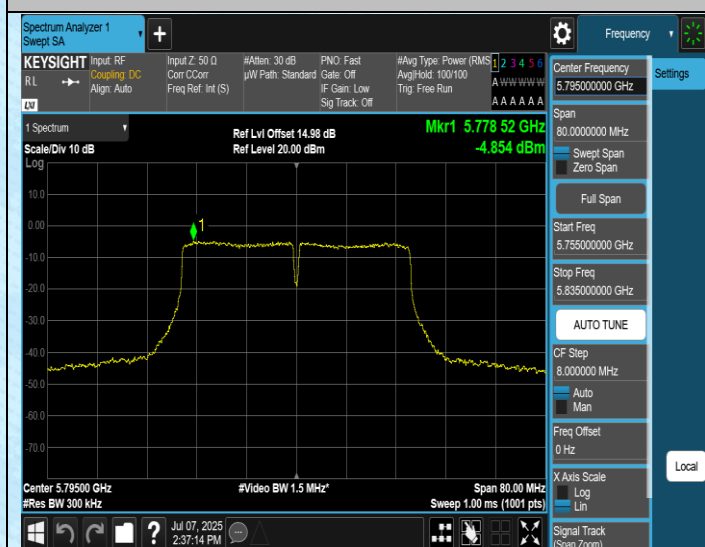




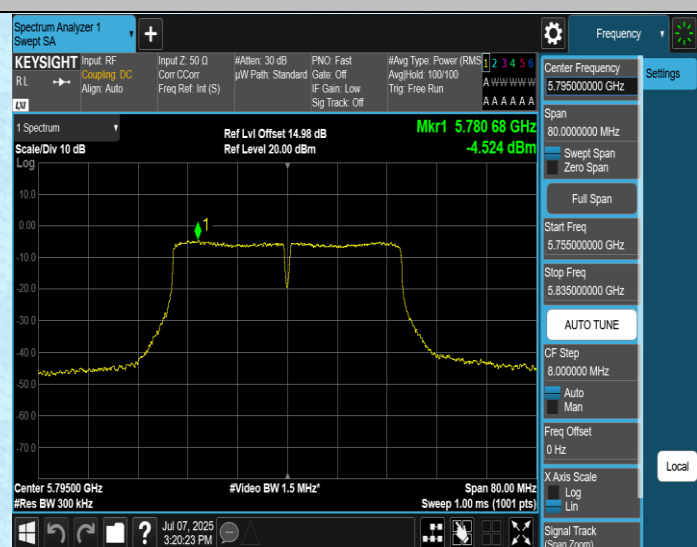
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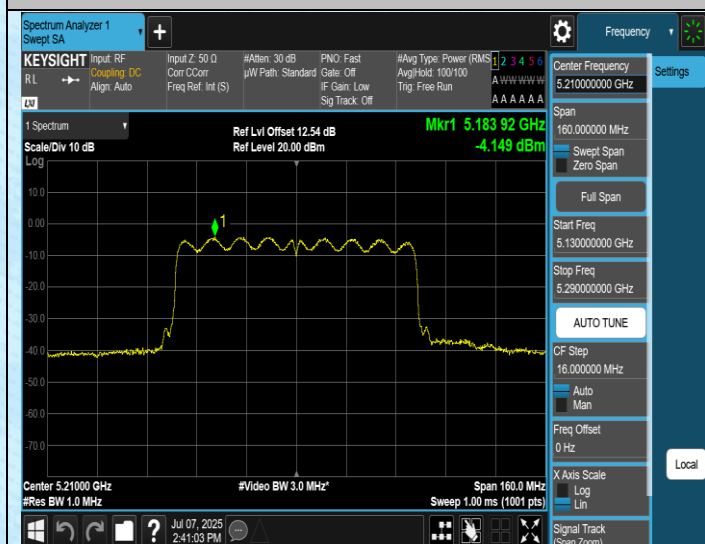
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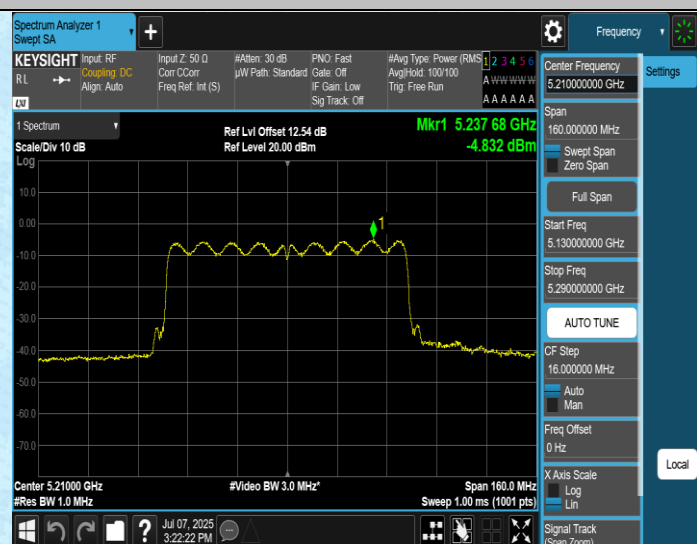
11AC40SISO-Ant3-5795-PASS



11AC40SISO-Ant4-5795-PASS

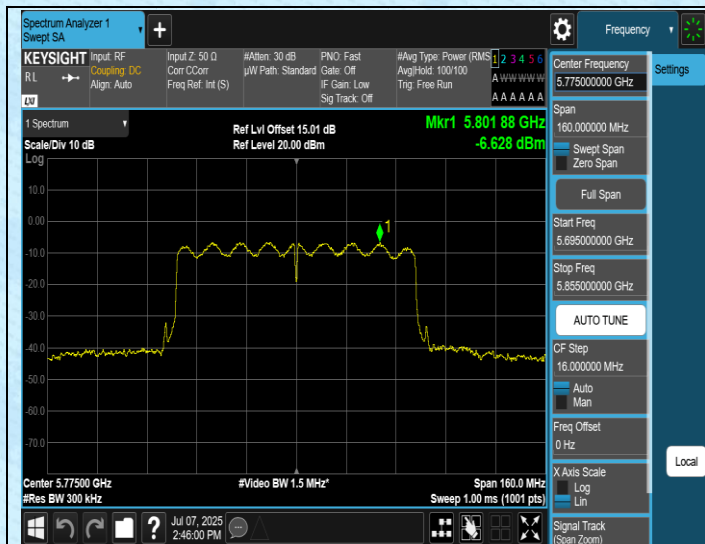


11AC80SISO-Ant3-5210-PASS

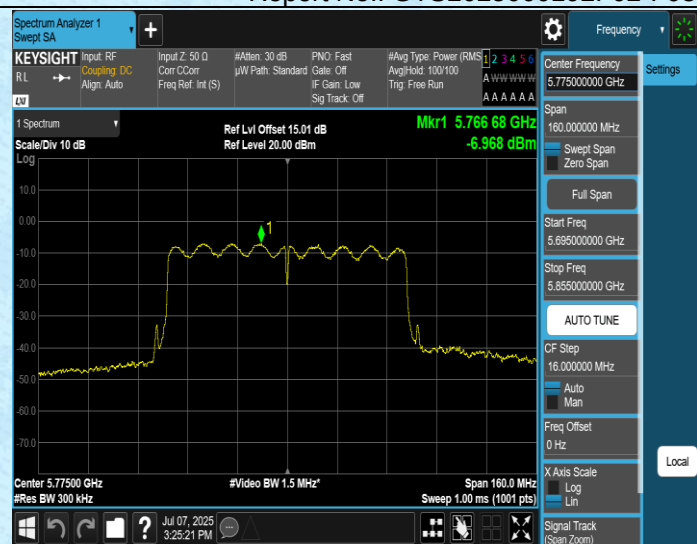


11AC80SISO-Ant4-5210-PASS

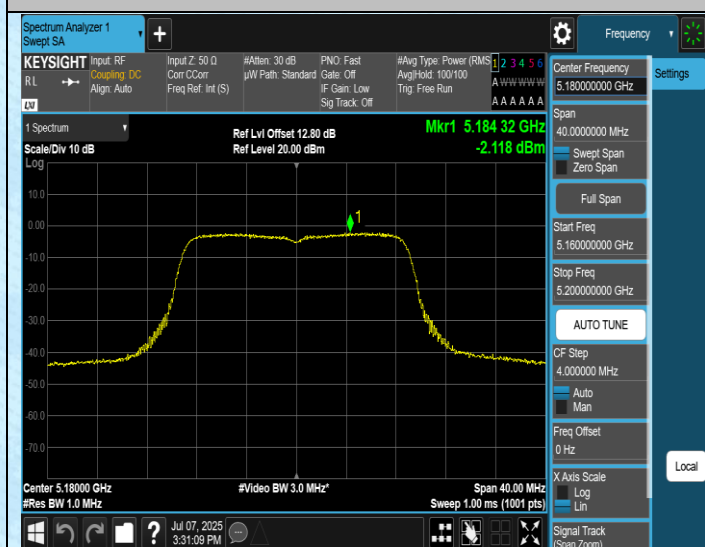




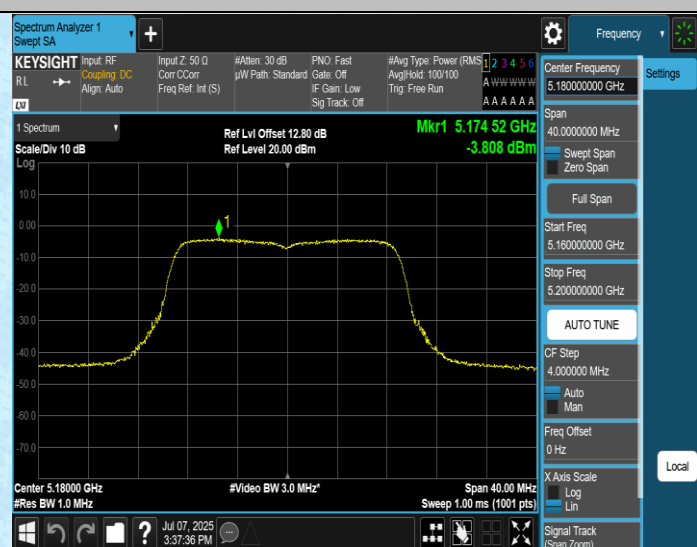
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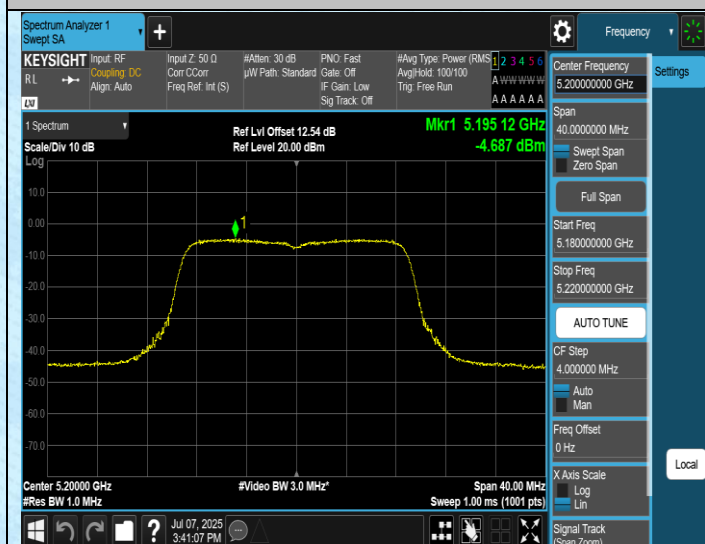
11AC80SISO-Ant4-5775-PASS



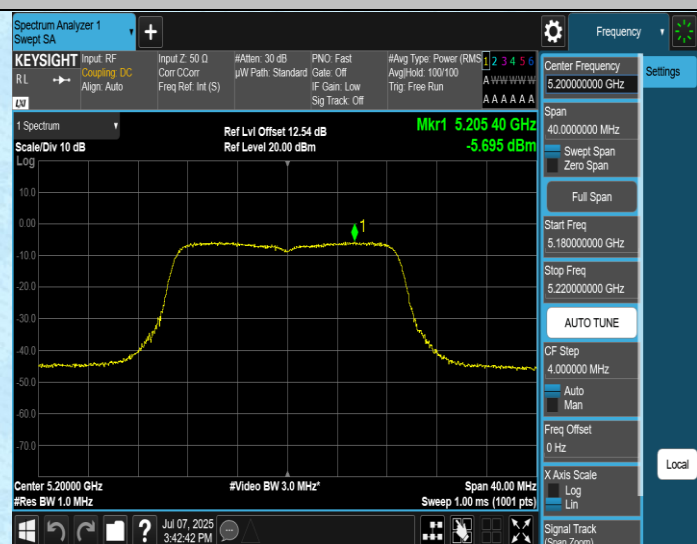
11AC20MIMO-Ant3-5180-PASS



11AC20MIMO-Ant4-5180-PASS



11AC20MIMO-Ant3-5200-PASS



11AC20MIMO-Ant4-5200-PASS

