

# Test Data Appendix For 5GHz Wi-Fi

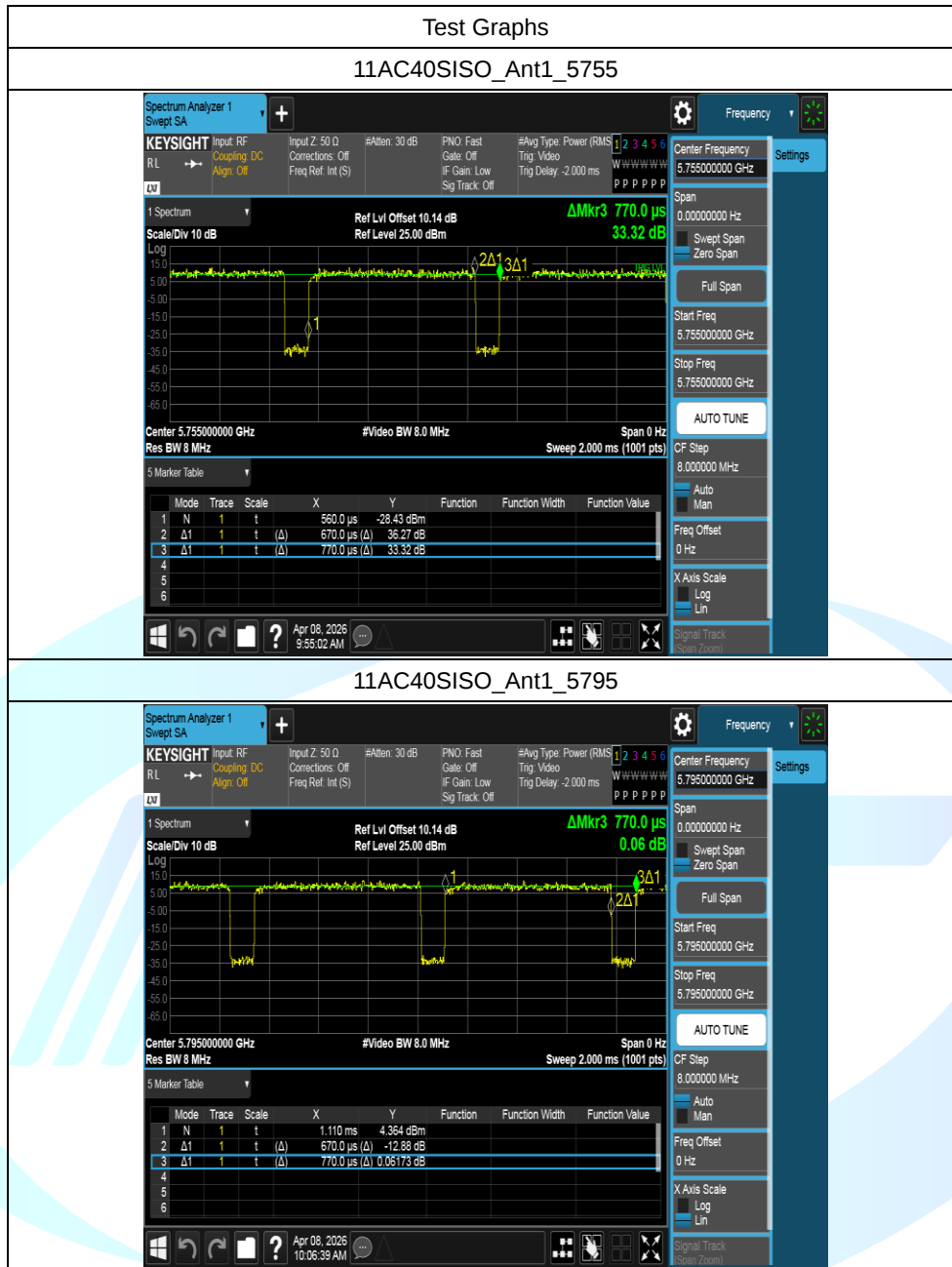
## Table of Contents

|                               |    |
|-------------------------------|----|
| Table of Contents .....       | 2  |
| Duty Cycle.....               | 3  |
| Emission Bandwidth.....       | 5  |
| Occupied Bandwidth.....       | 7  |
| -6dB Emission Bandwidth ..... | 9  |
| Conducted Output Power .....  | 11 |
| Power Spectral Density .....  | 13 |
| Frequency Stability .....     | 15 |



Duty Cycle

| Test Mode  | Antenna | Freq (MHz) | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|------------|---------|------------|----------------------------|--------------------------|----------------|
| 11AC40SISO | Ant1    | 5755       | 0.67                       | 0.77                     | 87.01          |
|            |         | 5795       | 0.67                       | 0.77                     | 87.01          |



Emission Bandwidth

| Test Mode  | Antenna | Freq (MHz) | 26db EBW [MHz] | FL [MHz] | FH [MHz] |
|------------|---------|------------|----------------|----------|----------|
| 11AC40SISO | Ant1    | 5755       | 39.680         | 5735.320 | 5775.000 |
|            |         | 5795       | 40.000         | 5775.080 | 5815.080 |



## Test Graphs

11AC40SISO Ant1 5755



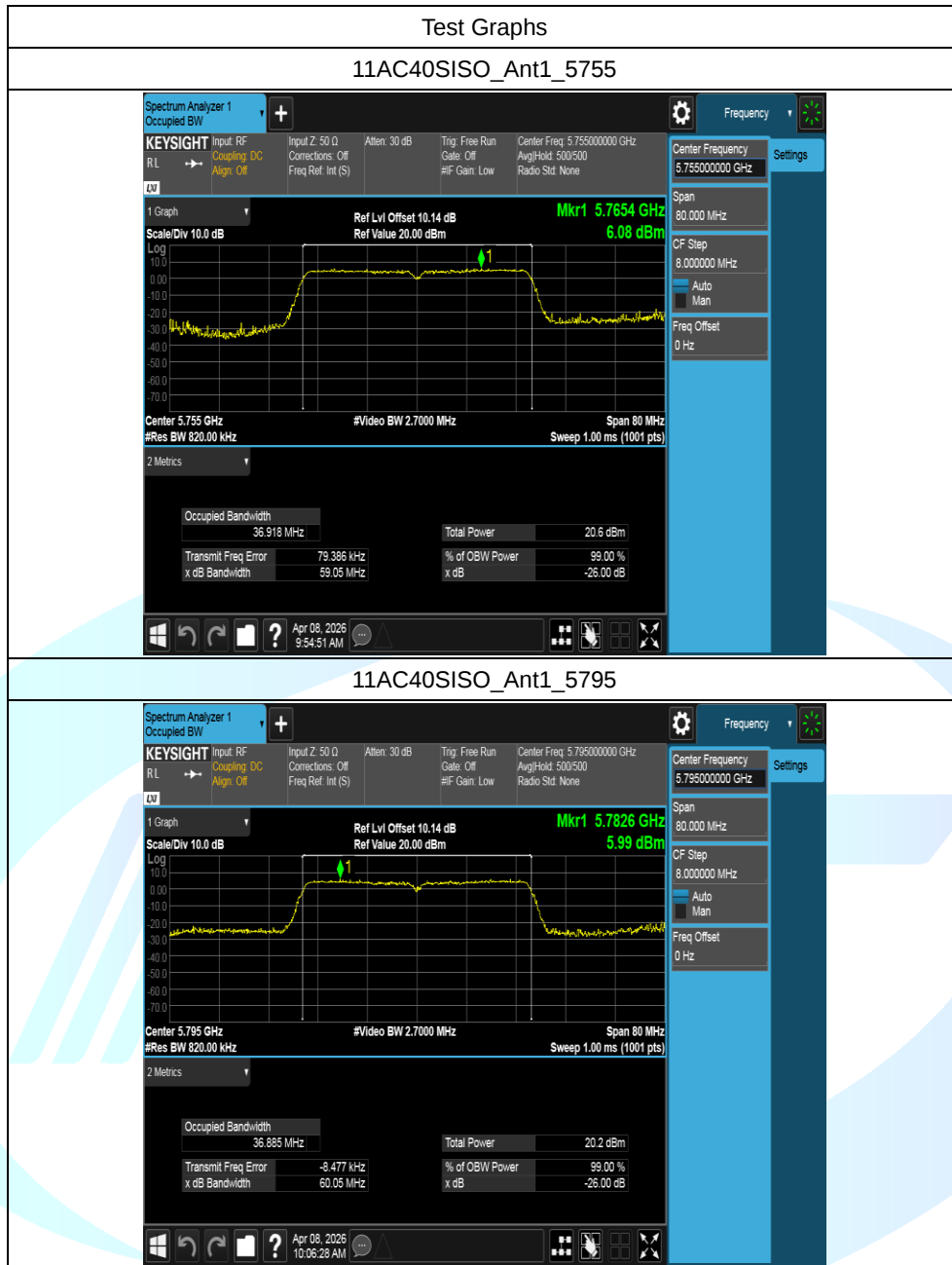
11AC40SISO Ant1 5795



## Occupied Bandwidth

| Test Mode  | Antenna | Freq (MHz) | OCB [MHz] | FL [MHz]  | FH [MHz]  |
|------------|---------|------------|-----------|-----------|-----------|
| 11AC40SISO | Ant1    | 5755       | 36.918    | 5736.6204 | 5773.5384 |
|            |         | 5795       | 36.885    | 5776.5490 | 5813.4340 |

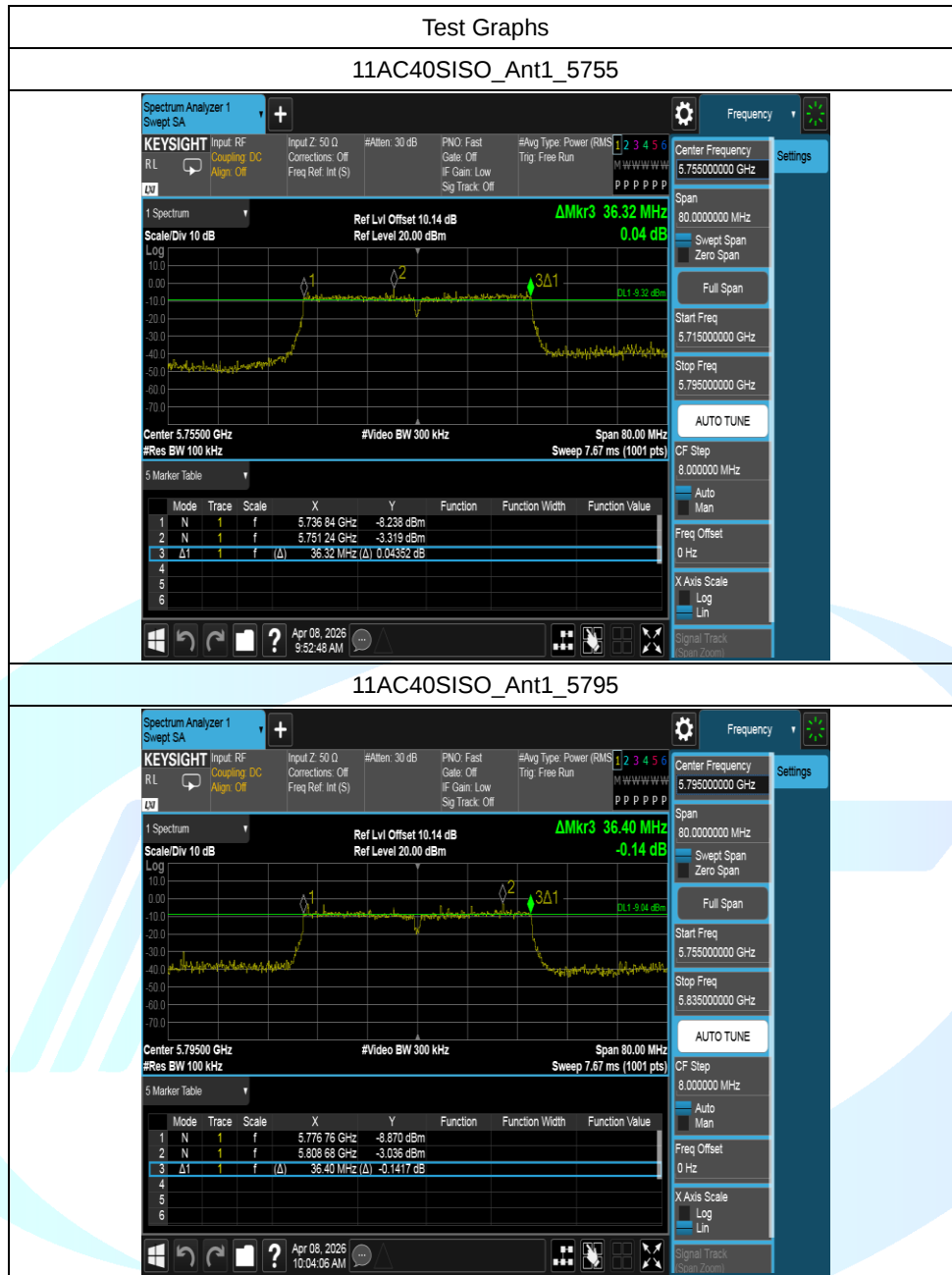




## -6dB Emission Bandwidth

| Test Mode      | Antenna | Freq (MHz) | 6db EBW [MHz] | FL [MHz] | FH [MHz] | Limit [MHz] | Verdict |
|----------------|---------|------------|---------------|----------|----------|-------------|---------|
| 11AC40SIS<br>O | Ant1    | 5755       | 36.320        | 5736.840 | 5773.160 | 0.5         | PASS    |
|                |         | 5795       | 36.400        | 5776.760 | 5813.160 | 0.5         | PASS    |

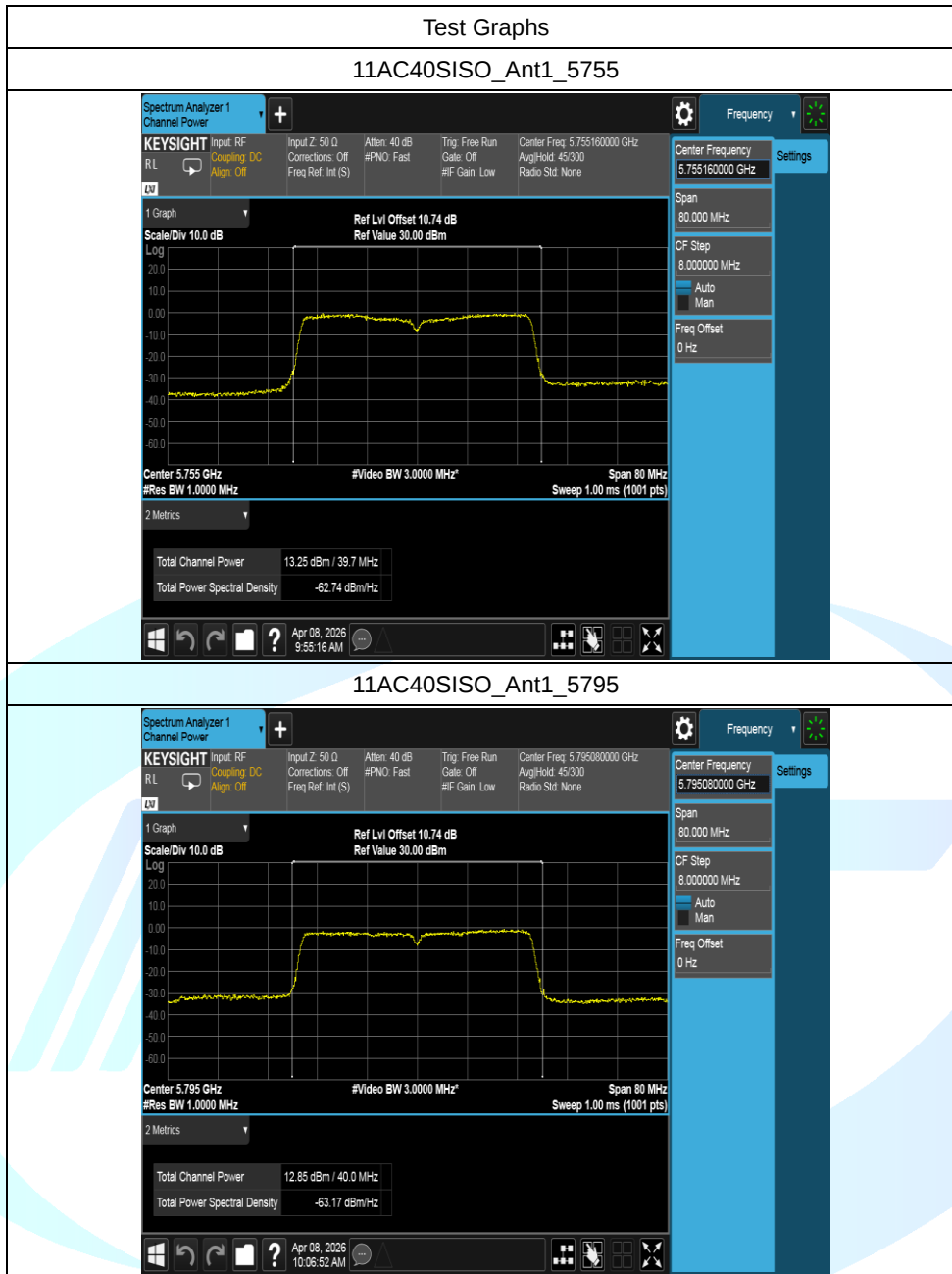




## Conducted Output Power

| Test Mode  | Antenna | Freq<br>(MHz) | Channel<br>Power<br>[dBm] | Duty<br>Cycle [%] | DC Factor<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|------------|---------|---------------|---------------------------|-------------------|--------------------|-----------------|----------------|---------|
| 11AC40SISO | Ant1    | 5755          | 13.25                     | 87.01             | 0.60               | 13.85           | ≤30.00         | PASS    |
|            |         | 5795          | 12.85                     | 87.01             | 0.60               | 13.45           | ≤30.00         | PASS    |





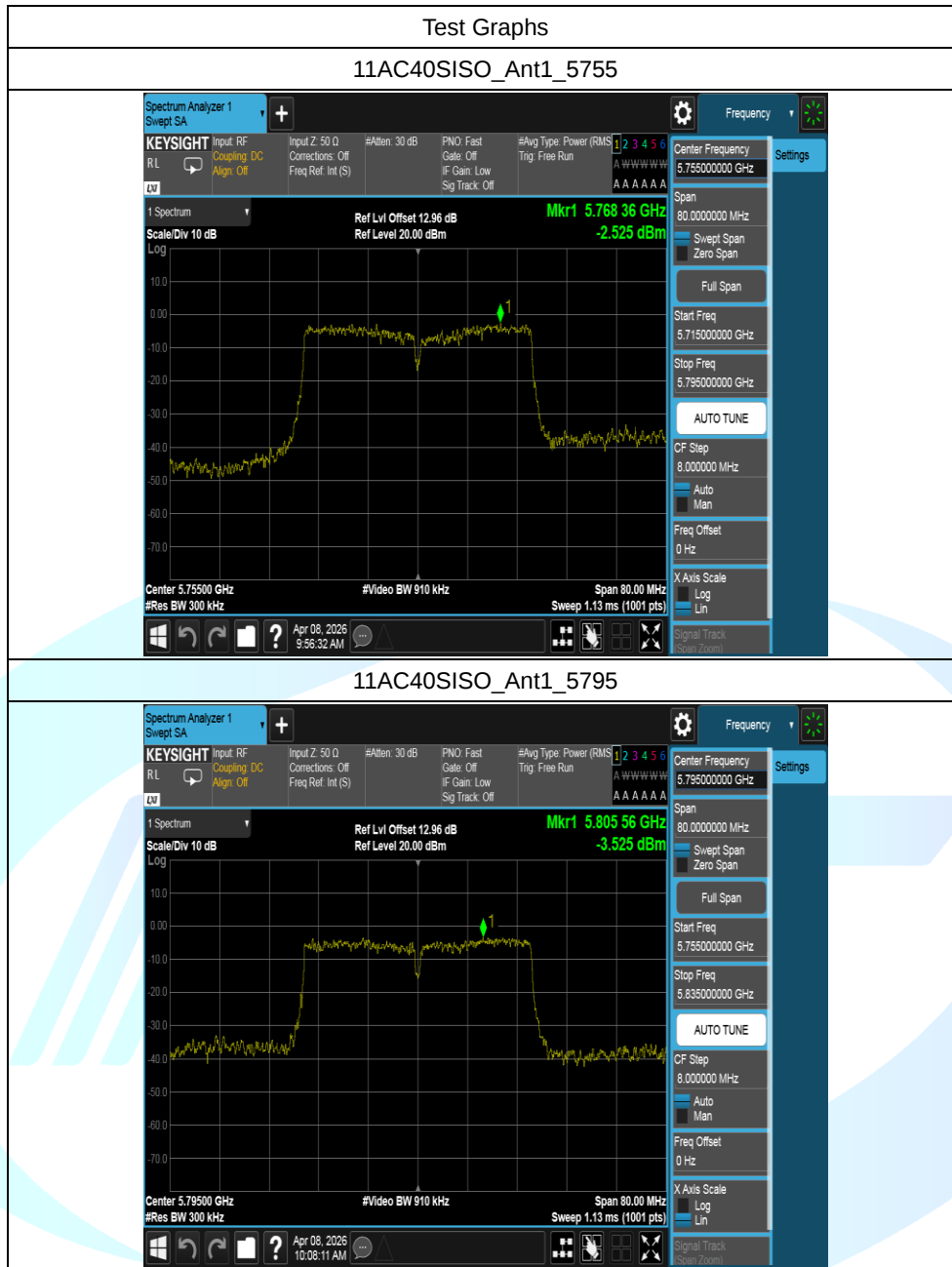
## Power Spectral Density

| Test Mode  | Antenna | Freq (MHz) | Result [dBm/MHz] | Limit [dBm/MHz] | Verdict |
|------------|---------|------------|------------------|-----------------|---------|
| 11AC40SISO | Ant1    | 5755       | -2.53            | ≤30.00          | PASS    |
|            |         | 5795       | -3.53            | ≤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 Factor and RBW Factor is compensated in the graph.





## Frequency Stability

| Frequency Stability vs Voltage |         |            |               |                  |                |                 |             |         |
|--------------------------------|---------|------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Test Mode                      | Antenna | Freq (MHz) | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 11AC40SISO                     | Ant1    | 5755       | NV            | NT               | -40000.00      | -6.950478       | 20          | PASS    |
|                                |         |            | LV            | NT               | -40000.00      | -6.950478       | 20          | PASS    |
|                                |         |            | HV            | NT               | -40000.00      | -6.950478       | 20          | PASS    |
|                                |         | 5795       | NV            | NT               | -40000.00      | -6.902502       | 20          | PASS    |
|                                |         |            | LV            | NT               | -40000.00      | -6.902502       | 20          | PASS    |
|                                |         |            | HV            | NT               | -40000.00      | -6.902502       | 20          | PASS    |

| Frequency Stability vs. Temperature |         |            |               |                  |                |                 |             |         |
|-------------------------------------|---------|------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Test Mode                           | Antenna | Freq (MHz) | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| 11AC40SISO                          | Ant1    | 5755       | NV            | -30              | -40000.00      | -6.950478       | 20          | PASS    |
|                                     |         |            | NV            | -20              | -40000.00      | -6.950478       | 20          | PASS    |
|                                     |         |            | NV            | -10              | -40000.00      | -6.950478       | 20          | PASS    |
|                                     |         |            | NV            | 0                | 0.00           | 0.000000        | 20          | PASS    |
|                                     |         |            | NV            | 10               | -40000.00      | -6.950478       | 20          | PASS    |
|                                     |         |            | NV            | 20               | -40000.00      | -6.950478       | 20          | PASS    |
|                                     |         |            | NV            | 30               | -40000.00      | -6.950478       | 20          | PASS    |
|                                     |         |            | NV            | 40               | -40000.00      | -6.950478       | 20          | PASS    |
|                                     |         |            | NV            | 50               | -40000.00      | -6.950478       | 20          | PASS    |
|                                     |         | 5795       | NV            | -30              | -40000.00      | -6.902502       | 20          | PASS    |
|                                     |         |            | NV            | -20              | -40000.00      | -6.902502       | 20          | PASS    |
|                                     |         |            | NV            | -10              | -40000.00      | -6.902502       | 20          | PASS    |
|                                     |         |            | NV            | 0                | -40000.00      | -6.902502       | 20          | PASS    |
|                                     |         |            | NV            | 10               | -40000.00      | -6.902502       | 20          | PASS    |
|                                     |         |            | NV            | 20               | -80000.00      | -13.805004      | 20          | PASS    |
|                                     |         |            | NV            | 30               | -40000.00      | -6.902502       | 20          | PASS    |
|                                     |         |            | NV            | 40               | -40000.00      | -6.902502       | 20          | PASS    |
|                                     |         |            | NV            | 50               | -40000.00      | -6.902502       | 20          | PASS    |

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