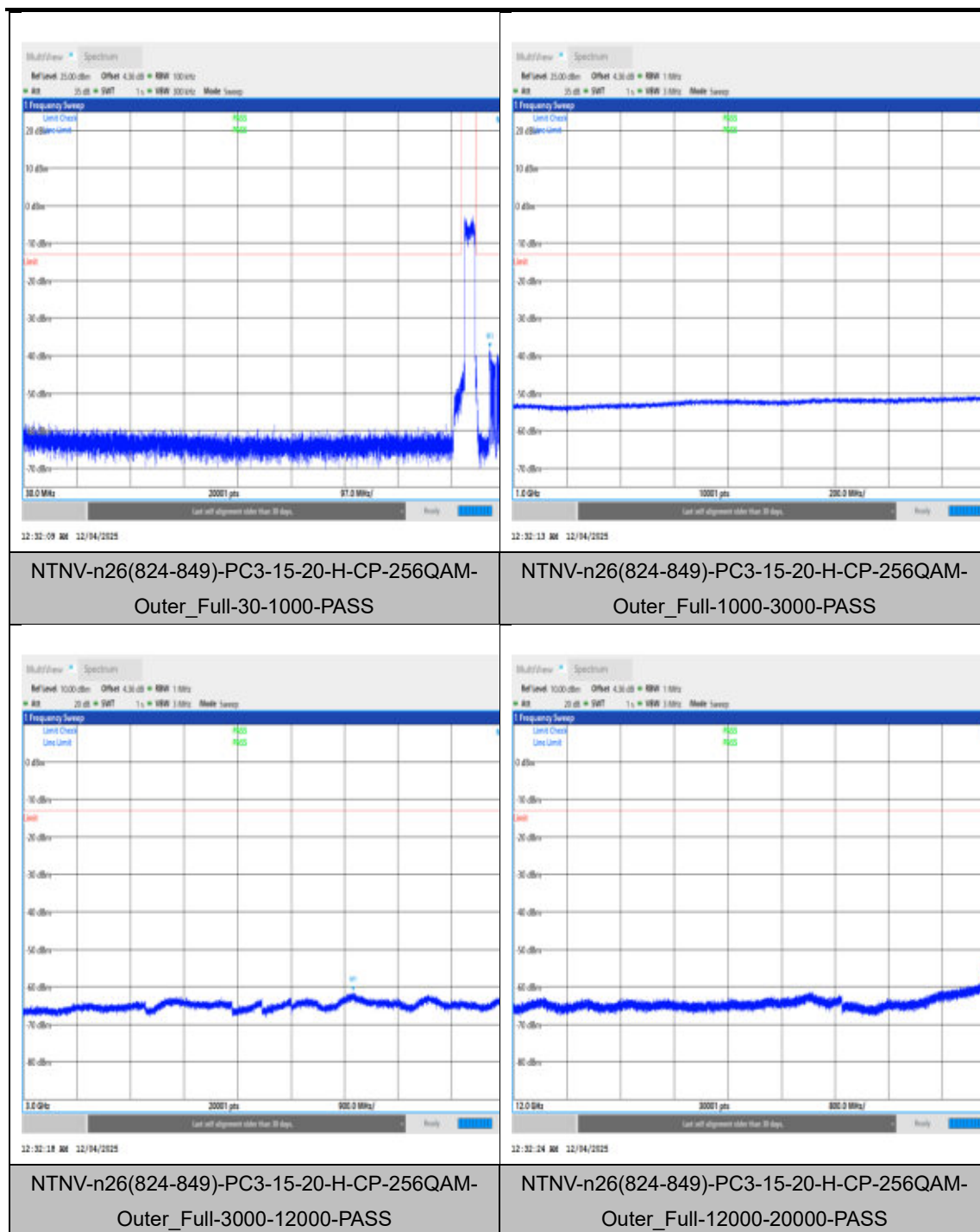




## Appendix F: Frequency Stability for SA

### Test Result

#### Frequency Error VS. Voltage

| Voltage      |           |                 |            |         |            |             |             |                |                 |         |
|--------------|-----------|-----------------|------------|---------|------------|-------------|-------------|----------------|-----------------|---------|
| Band         | SCS (kHz) | Bandwidth (MHz) | Modulation | Channel | RB Config  | Voltage (V) | Temperature | Deviation (Hz) | Deviation (ppm) | Verdict |
| n26(824-849) | 15        | 5               | DFT-BPSK   | L       | Outer_Full | VL          | NT          | -9.2           | -<br>0.011199   | PASS    |
| n26(824-849) | 15        | 5               | DFT-BPSK   | L       | Outer_Full | VN          | NT          | -8.8           | -<br>0.010712   | PASS    |
| n26(824-849) | 15        | 5               | DFT-BPSK   | L       | Outer_Full | VH          | NT          | -6.3           | -<br>0.007669   | PASS    |
| n26(824-849) | 15        | 5               | DFT-QPSK   | L       | Outer_Full | VL          | NT          | -3.2           | -<br>0.003895   | PASS    |
| n26(824-849) | 15        | 5               | DFT-QPSK   | L       | Outer_Full | VN          | NT          | -4.6           | -0.0056         | PASS    |
| n26(824-849) | 15        | 5               | DFT-QPSK   | L       | Outer_Full | VH          | NT          | -2.6           | -<br>0.003165   | PASS    |
| n26(824-849) | 15        | 5               | DFT-16QAM  | L       | Outer_Full | VL          | NT          | -4.7           | -<br>0.005721   | PASS    |
| n26(824-849) | 15        | 5               | DFT-16QAM  | L       | Outer_Full | VN          | NT          | -2.9           | -0.00353        | PASS    |
| n26(824-849) | 15        | 5               | DFT-16QAM  | L       | Outer_Full | VH          | NT          | -3.4           | -<br>0.004139   | PASS    |
| n26(824-849) | 15        | 5               | DFT-64QAM  | L       | Outer_Full | VL          | NT          | -3.3           | -<br>0.004017   | PASS    |
| n26(824-849) | 15        | 5               | DFT-64QAM  | L       | Outer_Full | VN          | NT          | -2.9           | -0.00353        | PASS    |
| n26(824-849) | 15        | 5               | DFT-64QAM  | L       | Outer_Full | VH          | NT          | -4.7           | -<br>0.005721   | PASS    |
| n26(824-849) | 15        | 5               | DFT-256QAM | L       | Outer_Full | VL          | NT          | -6.7           | -<br>0.008156   | PASS    |
| n26(824-849) | 15        | 5               | DFT-256QAM | L       | Outer_Full | VN          | NT          | -5.7           | -<br>0.006939   | PASS    |
| n26(824-849) | 15        | 5               | DFT-256QAM | L       | Outer_Full | VH          | NT          | -6.6           | -<br>0.008034   | PASS    |
| n26(824-849) | 15        | 5               | CP-QPSK    | L       | Outer_Full | VL          | NT          | -4.5           | -<br>0.005478   | PASS    |
| n26(824-849) | 15        | 5               | CP-QPSK    | L       | Outer_Full | VN          | NT          | -2.7           | -<br>0.003287   | PASS    |

|              |    |    |           |   |            |    |    |      |               |      |
|--------------|----|----|-----------|---|------------|----|----|------|---------------|------|
| n26(824-849) | 15 | 5  | CP-QPSK   | L | Outer_Full | VH | NT | -3.3 | -<br>0.004017 | PASS |
| n26(824-849) | 15 | 5  | CP-16QAM  | L | Outer_Full | VL | NT | -7.1 | -<br>0.008643 | PASS |
| n26(824-849) | 15 | 5  | CP-16QAM  | L | Outer_Full | VN | NT | -8.1 | -0.00986      | PASS |
| n26(824-849) | 15 | 5  | CP-16QAM  | L | Outer_Full | VH | NT | -5.6 | -<br>0.006817 | PASS |
| n26(824-849) | 15 | 5  | CP-64QAM  | L | Outer_Full | VL | NT | -2.5 | -<br>0.003043 | PASS |
| n26(824-849) | 15 | 5  | CP-64QAM  | L | Outer_Full | VN | NT | -2.3 | -0.0028       | PASS |
| n26(824-849) | 15 | 5  | CP-64QAM  | L | Outer_Full | VH | NT | -2.4 | -<br>0.002921 | PASS |
| n26(824-849) | 15 | 5  | CP-256QAM | L | Outer_Full | VL | NT | -4.2 | -<br>0.005113 | PASS |
| n26(824-849) | 15 | 5  | CP-256QAM | L | Outer_Full | VN | NT | -2.2 | -<br>0.002678 | PASS |
| n26(824-849) | 15 | 5  | CP-256QAM | L | Outer_Full | VH | NT | -4.9 | -<br>0.005965 | PASS |
| n26(824-849) | 15 | 20 | DFT-BPSK  | H | Outer_Full | VL | NT | -1.2 | -0.00143      | PASS |
| n26(824-849) | 15 | 20 | DFT-BPSK  | H | Outer_Full | VN | NT | -0.6 | -<br>0.000715 | PASS |
| n26(824-849) | 15 | 20 | DFT-BPSK  | H | Outer_Full | VH | NT | -2.4 | -<br>0.002861 | PASS |
| n26(824-849) | 15 | 20 | DFT-QPSK  | H | Outer_Full | VL | NT | -1.9 | -<br>0.002265 | PASS |
| n26(824-849) | 15 | 20 | DFT-QPSK  | H | Outer_Full | VN | NT | -1.6 | -<br>0.001907 | PASS |
| n26(824-849) | 15 | 20 | DFT-QPSK  | H | Outer_Full | VH | NT | -0.5 | -<br>0.000596 | PASS |
| n26(824-849) | 15 | 20 | DFT-16QAM | H | Outer_Full | VL | NT | -1   | -<br>0.001192 | PASS |
| n26(824-849) | 15 | 20 | DFT-16QAM | H | Outer_Full | VN | NT | -2.7 | -<br>0.003218 | PASS |
| n26(824-849) | 15 | 20 | DFT-16QAM | H | Outer_Full | VH | NT | -0.2 | -<br>0.000238 | PASS |
| n26(824-849) | 15 | 20 | DFT-64QAM | H | Outer_Full | VL | NT | -1.7 | -<br>0.002026 | PASS |
| n26(824-849) | 15 | 20 | DFT-64QAM | H | Outer_Full | VN | NT | -2.7 | -<br>0.003218 | PASS |
| n26(824-849) | 15 | 20 | DFT-      | H | Outer_Full | VH | NT | -0.4 | -             | PASS |

|              |    |    |            |   |            |    |    |      |               |      |
|--------------|----|----|------------|---|------------|----|----|------|---------------|------|
| 849)         |    |    | 64QAM      |   |            |    |    |      | 0.000477      |      |
| n26(824-849) | 15 | 20 | DFT-256QAM | H | Outer_Full | VL | NT | 1    | 0.001192      | PASS |
| n26(824-849) | 15 | 20 | DFT-256QAM | H | Outer_Full | VN | NT | -0.3 | -<br>0.000358 | PASS |
| n26(824-849) | 15 | 20 | DFT-256QAM | H | Outer_Full | VH | NT | -0.3 | -<br>0.000358 | PASS |
| n26(824-849) | 15 | 20 | CP-QPSK    | H | Outer_Full | VL | NT | 2.1  | 0.002503      | PASS |
| n26(824-849) | 15 | 20 | CP-QPSK    | H | Outer_Full | VN | NT | 0    | 0             | PASS |
| n26(824-849) | 15 | 20 | CP-QPSK    | H | Outer_Full | VH | NT | 0.7  | 0.000834      | PASS |
| n26(824-849) | 15 | 20 | CP-16QAM   | H | Outer_Full | VL | NT | -0.1 | -<br>0.000119 | PASS |
| n26(824-849) | 15 | 20 | CP-16QAM   | H | Outer_Full | VN | NT | 1.9  | 0.002265      | PASS |
| n26(824-849) | 15 | 20 | CP-16QAM   | H | Outer_Full | VH | NT | 1.6  | 0.001907      | PASS |
| n26(824-849) | 15 | 20 | CP-64QAM   | H | Outer_Full | VL | NT | 1.4  | 0.001669      | PASS |
| n26(824-849) | 15 | 20 | CP-64QAM   | H | Outer_Full | VN | NT | 2.7  | 0.003218      | PASS |
| n26(824-849) | 15 | 20 | CP-64QAM   | H | Outer_Full | VH | NT | -0.2 | -<br>0.000238 | PASS |
| n26(824-849) | 15 | 20 | CP-256QAM  | H | Outer_Full | VL | NT | 0.4  | 0.000477      | PASS |
| n26(824-849) | 15 | 20 | CP-256QAM  | H | Outer_Full | VN | NT | 1.2  | 0.00143       | PASS |
| n26(824-849) | 15 | 20 | CP-256QAM  | H | Outer_Full | VH | NT | 2    | 0.002384      | PASS |

### Frequency Error VS. Temperature

| Temperature  |           |                 |            |         |            |         |                  |               |                 |         |
|--------------|-----------|-----------------|------------|---------|------------|---------|------------------|---------------|-----------------|---------|
| Band         | SCS (kHz) | Bandwidth (MHz) | Modulation | Channel | RB Config  | Voltage | Temperature (°C) | Deviation(Hz) | Deviation (ppm) | Verdict |
| n26(824-849) | 15        | 5               | DFT-BPSK   | L       | Outer_Full | NV      | -30              | -6.4          | -<br>0.007791   | PASS    |
| n26(824-849) | 15        | 5               | DFT-BPSK   | L       | Outer_Full | NV      | -20              | -4.3          | -<br>0.00523    | PASS    |

|              |    |   |          |   |                |    |     |      |                   |      |
|--------------|----|---|----------|---|----------------|----|-----|------|-------------------|------|
|              |    |   |          |   |                |    |     |      | 4                 |      |
| n26(824-849) | 15 | 5 | DFT-BPSK | L | Outer_Ful<br>I | NV | -10 | -7   | -<br>0.00852<br>1 | PASS |
| n26(824-849) | 15 | 5 | DFT-BPSK | L | Outer_Ful<br>I | NV | 0   | -7.7 | -<br>0.00937<br>3 | PASS |
| n26(824-849) | 15 | 5 | DFT-BPSK | L | Outer_Ful<br>I | NV | 10  | -4.7 | -<br>0.00572<br>1 | PASS |
| n26(824-849) | 15 | 5 | DFT-BPSK | L | Outer_Ful<br>I | NV | 20  | -7.2 | -<br>0.00876<br>4 | PASS |
| n26(824-849) | 15 | 5 | DFT-BPSK | L | Outer_Ful<br>I | NV | 30  | -6.6 | -<br>0.00803<br>4 | PASS |
| n26(824-849) | 15 | 5 | DFT-BPSK | L | Outer_Ful<br>I | NV | 40  | -6.5 | -<br>0.00791<br>2 | PASS |
| n26(824-849) | 15 | 5 | DFT-BPSK | L | Outer_Ful<br>I | NV | 50  | -6.5 | -<br>0.00791<br>2 | PASS |
| n26(824-849) | 15 | 5 | DFT-QPSK | L | Outer_Ful<br>I | NV | -30 | -3.4 | -<br>0.00413<br>9 | PASS |
| n26(824-849) | 15 | 5 | DFT-QPSK | L | Outer_Ful<br>I | NV | -20 | -5.2 | -0.00633          | PASS |
| n26(824-849) | 15 | 5 | DFT-QPSK | L | Outer_Ful<br>I | NV | -10 | -6.2 | -<br>0.00754<br>7 | PASS |
| n26(824-849) | 15 | 5 | DFT-QPSK | L | Outer_Ful<br>I | NV | 0   | -4.3 | -<br>0.00523<br>4 | PASS |
| n26(824-849) | 15 | 5 | DFT-QPSK | L | Outer_Ful<br>I | NV | 10  | -3.3 | -<br>0.00401<br>7 | PASS |
| n26(824-849) | 15 | 5 | DFT-QPSK | L | Outer_Ful<br>I | NV | 20  | -2.7 | -<br>0.00328<br>7 | PASS |
| n26(824-849) | 15 | 5 | DFT-QPSK | L | Outer_Ful<br>I | NV | 30  | -4.1 | -<br>0.00499<br>1 | PASS |
| n26(824-849) | 15 | 5 | DFT-QPSK | L | Outer_Ful<br>I | NV | 40  | -5.1 | -<br>0.00620      | PASS |

|              |    |   |           |   |                |    |     |      |                   |      |
|--------------|----|---|-----------|---|----------------|----|-----|------|-------------------|------|
|              |    |   |           |   |                |    |     |      | 8                 |      |
| n26(824-849) | 15 | 5 | DFT-QPSK  | L | Outer_Ful<br>I | NV | 50  | -5.5 | -<br>0.00669<br>5 | PASS |
| n26(824-849) | 15 | 5 | DFT-16QAM | L | Outer_Ful<br>I | NV | -30 | -2.7 | -<br>0.00328<br>7 | PASS |
| n26(824-849) | 15 | 5 | DFT-16QAM | L | Outer_Ful<br>I | NV | -20 | -3.5 | -0.00426          | PASS |
| n26(824-849) | 15 | 5 | DFT-16QAM | L | Outer_Ful<br>I | NV | -10 | -1.4 | -<br>0.00170<br>4 | PASS |
| n26(824-849) | 15 | 5 | DFT-16QAM | L | Outer_Ful<br>I | NV | 0   | -4.9 | -<br>0.00596<br>5 | PASS |
| n26(824-849) | 15 | 5 | DFT-16QAM | L | Outer_Ful<br>I | NV | 10  | -5.4 | -<br>0.00657<br>3 | PASS |
| n26(824-849) | 15 | 5 | DFT-16QAM | L | Outer_Ful<br>I | NV | 20  | -5.3 | -<br>0.00645<br>2 | PASS |
| n26(824-849) | 15 | 5 | DFT-16QAM | L | Outer_Ful<br>I | NV | 30  | -4.4 | -<br>0.00535<br>6 | PASS |
| n26(824-849) | 15 | 5 | DFT-16QAM | L | Outer_Ful<br>I | NV | 40  | -5.1 | -<br>0.00620<br>8 | PASS |
| n26(824-849) | 15 | 5 | DFT-16QAM | L | Outer_Ful<br>I | NV | 50  | -2.6 | -<br>0.00316<br>5 | PASS |
| n26(824-849) | 15 | 5 | DFT-64QAM | L | Outer_Ful<br>I | NV | -30 | -4.6 | -0.0056           | PASS |
| n26(824-849) | 15 | 5 | DFT-64QAM | L | Outer_Ful<br>I | NV | -20 | -3.6 | -<br>0.00438<br>2 | PASS |
| n26(824-849) | 15 | 5 | DFT-64QAM | L | Outer_Ful<br>I | NV | -10 | -3.3 | -<br>0.00401<br>7 | PASS |
| n26(824-849) | 15 | 5 | DFT-64QAM | L | Outer_Ful<br>I | NV | 0   | -4.7 | -<br>0.00572<br>1 | PASS |
| n26(824-849) | 15 | 5 | DFT-64QAM | L | Outer_Ful<br>I | NV | 10  | -6.9 | -<br>0.00839<br>9 | PASS |

|              |    |   |            |   |                |    |     |      |                   |      |
|--------------|----|---|------------|---|----------------|----|-----|------|-------------------|------|
| n26(824-849) | 15 | 5 | DFT-64QAM  | L | Outer_Ful<br>I | NV | 20  | -6.2 | -<br>0.00754<br>7 | PASS |
| n26(824-849) | 15 | 5 | DFT-64QAM  | L | Outer_Ful<br>I | NV | 30  | -5.6 | -<br>0.00681<br>7 | PASS |
| n26(824-849) | 15 | 5 | DFT-64QAM  | L | Outer_Ful<br>I | NV | 40  | -2.7 | -<br>0.00328<br>7 | PASS |
| n26(824-849) | 15 | 5 | DFT-64QAM  | L | Outer_Ful<br>I | NV | 50  | -4.3 | -<br>0.00523<br>4 | PASS |
| n26(824-849) | 15 | 5 | DFT-256QAM | L | Outer_Ful<br>I | NV | -30 | -5.6 | -<br>0.00681<br>7 | PASS |
| n26(824-849) | 15 | 5 | DFT-256QAM | L | Outer_Ful<br>I | NV | -20 | -5   | -<br>0.00608<br>6 | PASS |
| n26(824-849) | 15 | 5 | DFT-256QAM | L | Outer_Ful<br>I | NV | -10 | -6.4 | -<br>0.00779<br>1 | PASS |
| n26(824-849) | 15 | 5 | DFT-256QAM | L | Outer_Ful<br>I | NV | 0   | -6.6 | -<br>0.00803<br>4 | PASS |
| n26(824-849) | 15 | 5 | DFT-256QAM | L | Outer_Ful<br>I | NV | 10  | -7.2 | -<br>0.00876<br>4 | PASS |
| n26(824-849) | 15 | 5 | DFT-256QAM | L | Outer_Ful<br>I | NV | 20  | -6.7 | -<br>0.00815<br>6 | PASS |
| n26(824-849) | 15 | 5 | DFT-256QAM | L | Outer_Ful<br>I | NV | 30  | -6.8 | -<br>0.00827<br>8 | PASS |
| n26(824-849) | 15 | 5 | DFT-256QAM | L | Outer_Ful<br>I | NV | 40  | -6.5 | -<br>0.00791<br>2 | PASS |
| n26(824-849) | 15 | 5 | DFT-256QAM | L | Outer_Ful<br>I | NV | 50  | -7.2 | -<br>0.00876<br>4 | PASS |
| n26(824-849) | 15 | 5 | CP-QPSK    | L | Outer_Ful<br>I | NV | -30 | -4.7 | -<br>0.00572<br>1 | PASS |
| n26(824-849) | 15 | 5 | CP-QPSK    | L | Outer_Ful<br>I | NV | -20 | -5.1 | -<br>0.00620      | PASS |

|              |    |   |          |   |                |    |     |      |                   |      |
|--------------|----|---|----------|---|----------------|----|-----|------|-------------------|------|
|              |    |   |          |   |                |    |     |      | 8                 |      |
| n26(824-849) | 15 | 5 | CP-QPSK  | L | Outer_Ful<br>I | NV | -10 | -2.7 | -<br>0.00328<br>7 | PASS |
| n26(824-849) | 15 | 5 | CP-QPSK  | L | Outer_Ful<br>I | NV | 0   | -6   | -<br>0.00730<br>4 | PASS |
| n26(824-849) | 15 | 5 | CP-QPSK  | L | Outer_Ful<br>I | NV | 10  | -7.4 | -<br>0.00900<br>8 | PASS |
| n26(824-849) | 15 | 5 | CP-QPSK  | L | Outer_Ful<br>I | NV | 20  | -5.7 | -<br>0.00693<br>9 | PASS |
| n26(824-849) | 15 | 5 | CP-QPSK  | L | Outer_Ful<br>I | NV | 30  | -6.8 | -<br>0.00827<br>8 | PASS |
| n26(824-849) | 15 | 5 | CP-QPSK  | L | Outer_Ful<br>I | NV | 40  | -3.9 | -<br>0.00474<br>7 | PASS |
| n26(824-849) | 15 | 5 | CP-QPSK  | L | Outer_Ful<br>I | NV | 50  | -3.7 | -<br>0.00450<br>4 | PASS |
| n26(824-849) | 15 | 5 | CP-16QAM | L | Outer_Ful<br>I | NV | -30 | -6.7 | -<br>0.00815<br>6 | PASS |
| n26(824-849) | 15 | 5 | CP-16QAM | L | Outer_Ful<br>I | NV | -20 | -6.6 | -<br>0.00803<br>4 | PASS |
| n26(824-849) | 15 | 5 | CP-16QAM | L | Outer_Ful<br>I | NV | -10 | -7.6 | -<br>0.00925<br>1 | PASS |
| n26(824-849) | 15 | 5 | CP-16QAM | L | Outer_Ful<br>I | NV | 0   | -7.8 | -<br>0.00949<br>5 | PASS |
| n26(824-849) | 15 | 5 | CP-16QAM | L | Outer_Ful<br>I | NV | 10  | -5.5 | -<br>0.00669<br>5 | PASS |
| n26(824-849) | 15 | 5 | CP-16QAM | L | Outer_Ful<br>I | NV | 20  | -3.6 | -<br>0.00438<br>2 | PASS |
| n26(824-849) | 15 | 5 | CP-16QAM | L | Outer_Ful<br>I | NV | 30  | -4.4 | -<br>0.00535<br>6 | PASS |
| n26(824-849) | 15 | 5 | CP-      | L | Outer_Ful      | NV | 40  | -7.5 | -0.00913          | PASS |

|                  |    |   |               |   |                |    |     |      |                   |      |
|------------------|----|---|---------------|---|----------------|----|-----|------|-------------------|------|
| -849)            |    |   | 16QAM         |   | I              |    |     |      |                   |      |
| n26(824<br>-849) | 15 | 5 | CP-<br>16QAM  | L | Outer_Ful<br>I | NV | 50  | -6.2 | -<br>0.00754<br>7 | PASS |
| n26(824<br>-849) | 15 | 5 | CP-<br>64QAM  | L | Outer_Ful<br>I | NV | -30 | -4.4 | -<br>0.00535<br>6 | PASS |
| n26(824<br>-849) | 15 | 5 | CP-<br>64QAM  | L | Outer_Ful<br>I | NV | -20 | -2.1 | -<br>0.00255<br>6 | PASS |
| n26(824<br>-849) | 15 | 5 | CP-<br>64QAM  | L | Outer_Ful<br>I | NV | -10 | -2.4 | -<br>0.00292<br>1 | PASS |
| n26(824<br>-849) | 15 | 5 | CP-<br>64QAM  | L | Outer_Ful<br>I | NV | 0   | -2.4 | -<br>0.00292<br>1 | PASS |
| n26(824<br>-849) | 15 | 5 | CP-<br>64QAM  | L | Outer_Ful<br>I | NV | 10  | -2.3 | -0.0028           | PASS |
| n26(824<br>-849) | 15 | 5 | CP-<br>64QAM  | L | Outer_Ful<br>I | NV | 20  | -1.6 | -<br>0.00194<br>8 | PASS |
| n26(824<br>-849) | 15 | 5 | CP-<br>64QAM  | L | Outer_Ful<br>I | NV | 30  | -1.4 | -<br>0.00170<br>4 | PASS |
| n26(824<br>-849) | 15 | 5 | CP-<br>64QAM  | L | Outer_Ful<br>I | NV | 40  | -1.1 | -<br>0.00133<br>9 | PASS |
| n26(824<br>-849) | 15 | 5 | CP-<br>64QAM  | L | Outer_Ful<br>I | NV | 50  | -1   | -<br>0.00121<br>7 | PASS |
| n26(824<br>-849) | 15 | 5 | CP-<br>256QAM | L | Outer_Ful<br>I | NV | -30 | -4.1 | -<br>0.00499<br>1 | PASS |
| n26(824<br>-849) | 15 | 5 | CP-<br>256QAM | L | Outer_Ful<br>I | NV | -20 | -4.7 | -<br>0.00572<br>1 | PASS |
| n26(824<br>-849) | 15 | 5 | CP-<br>256QAM | L | Outer_Ful<br>I | NV | -10 | -3.8 | -<br>0.00462<br>6 | PASS |
| n26(824<br>-849) | 15 | 5 | CP-<br>256QAM | L | Outer_Ful<br>I | NV | 0   | -3.7 | -<br>0.00450<br>4 | PASS |
| n26(824<br>-849) | 15 | 5 | CP-<br>256QAM | L | Outer_Ful<br>I | NV | 10  | -3.7 | -<br>0.00450      | PASS |

|              |    |    |           |   |                |    |     |      |                   |      |
|--------------|----|----|-----------|---|----------------|----|-----|------|-------------------|------|
|              |    |    |           |   |                |    |     |      | 4                 |      |
| n26(824-849) | 15 | 5  | CP-256QAM | L | Outer_Ful<br>I | NV | 20  | -3.2 | -<br>0.00389<br>5 | PASS |
| n26(824-849) | 15 | 5  | CP-256QAM | L | Outer_Ful<br>I | NV | 30  | -1.4 | -<br>0.00170<br>4 | PASS |
| n26(824-849) | 15 | 5  | CP-256QAM | L | Outer_Ful<br>I | NV | 40  | -2.7 | -<br>0.00328<br>7 | PASS |
| n26(824-849) | 15 | 5  | CP-256QAM | L | Outer_Ful<br>I | NV | 50  | -4   | -<br>0.00486<br>9 | PASS |
| n26(824-849) | 15 | 20 | DFT-BPSK  | H | Outer_Ful<br>I | NV | -30 | -1.8 | -<br>0.00214<br>5 | PASS |
| n26(824-849) | 15 | 20 | DFT-BPSK  | H | Outer_Ful<br>I | NV | -20 | -4.3 | -<br>0.00512<br>5 | PASS |
| n26(824-849) | 15 | 20 | DFT-BPSK  | H | Outer_Ful<br>I | NV | -10 | -1.9 | -<br>0.00226<br>5 | PASS |
| n26(824-849) | 15 | 20 | DFT-BPSK  | H | Outer_Ful<br>I | NV | 0   | -1.6 | -<br>0.00190<br>7 | PASS |
| n26(824-849) | 15 | 20 | DFT-BPSK  | H | Outer_Ful<br>I | NV | 10  | -0.3 | -<br>0.00035<br>8 | PASS |
| n26(824-849) | 15 | 20 | DFT-BPSK  | H | Outer_Ful<br>I | NV | 20  | -0.2 | -<br>0.00023<br>8 | PASS |
| n26(824-849) | 15 | 20 | DFT-BPSK  | H | Outer_Ful<br>I | NV | 30  | -3.8 | -<br>0.00452<br>9 | PASS |
| n26(824-849) | 15 | 20 | DFT-BPSK  | H | Outer_Ful<br>I | NV | 40  | -0.2 | -<br>0.00023<br>8 | PASS |
| n26(824-849) | 15 | 20 | DFT-BPSK  | H | Outer_Ful<br>I | NV | 50  | -1.5 | -<br>0.00178<br>8 | PASS |
| n26(824-849) | 15 | 20 | DFT-QPSK  | H | Outer_Ful<br>I | NV | -30 | -2.5 | -0.00298          | PASS |
| n26(824-849) | 15 | 20 | DFT-QPSK  | H | Outer_Ful<br>I | NV | -20 | -2.2 | -<br>0.00262      | PASS |

|              |    |    |           |   |                |    |     |      |                   |      |
|--------------|----|----|-----------|---|----------------|----|-----|------|-------------------|------|
|              |    |    |           |   |                |    |     |      | 2                 |      |
| n26(824-849) | 15 | 20 | DFT-QPSK  | H | Outer_Ful<br>I | NV | -10 | -0.7 | -<br>0.00083<br>4 | PASS |
| n26(824-849) | 15 | 20 | DFT-QPSK  | H | Outer_Ful<br>I | NV | 0   | -1.8 | -<br>0.00214<br>5 | PASS |
| n26(824-849) | 15 | 20 | DFT-QPSK  | H | Outer_Ful<br>I | NV | 10  | -1.3 | -<br>0.00154<br>9 | PASS |
| n26(824-849) | 15 | 20 | DFT-QPSK  | H | Outer_Ful<br>I | NV | 20  | -0.7 | -<br>0.00083<br>4 | PASS |
| n26(824-849) | 15 | 20 | DFT-QPSK  | H | Outer_Ful<br>I | NV | 30  | -1.7 | -<br>0.00202<br>6 | PASS |
| n26(824-849) | 15 | 20 | DFT-QPSK  | H | Outer_Ful<br>I | NV | 40  | -2.7 | -<br>0.00321<br>8 | PASS |
| n26(824-849) | 15 | 20 | DFT-QPSK  | H | Outer_Ful<br>I | NV | 50  | -0.6 | -<br>0.00071<br>5 | PASS |
| n26(824-849) | 15 | 20 | DFT-16QAM | H | Outer_Ful<br>I | NV | -30 | -3.7 | -0.00441          | PASS |
| n26(824-849) | 15 | 20 | DFT-16QAM | H | Outer_Ful<br>I | NV | -20 | -1.9 | -<br>0.00226<br>5 | PASS |
| n26(824-849) | 15 | 20 | DFT-16QAM | H | Outer_Ful<br>I | NV | -10 | 0.5  | 0.00059<br>6      | PASS |
| n26(824-849) | 15 | 20 | DFT-16QAM | H | Outer_Ful<br>I | NV | 0   | -3.3 | -<br>0.00393<br>3 | PASS |
| n26(824-849) | 15 | 20 | DFT-16QAM | H | Outer_Ful<br>I | NV | 10  | -0.7 | -<br>0.00083<br>4 | PASS |
| n26(824-849) | 15 | 20 | DFT-16QAM | H | Outer_Ful<br>I | NV | 20  | -0.3 | -<br>0.00035<br>8 | PASS |
| n26(824-849) | 15 | 20 | DFT-16QAM | H | Outer_Ful<br>I | NV | 30  | 0.2  | 0.00023<br>8      | PASS |
| n26(824-849) | 15 | 20 | DFT-16QAM | H | Outer_Ful<br>I | NV | 40  | -3.1 | -<br>0.00369<br>5 | PASS |

|              |    |    |            |   |                |    |     |      |                   |      |
|--------------|----|----|------------|---|----------------|----|-----|------|-------------------|------|
| n26(824-849) | 15 | 20 | DFT-16QAM  | H | Outer_Ful<br>I | NV | 50  | -1.5 | -<br>0.00178<br>8 | PASS |
| n26(824-849) | 15 | 20 | DFT-64QAM  | H | Outer_Ful<br>I | NV | -30 | -3   | -<br>0.00357<br>6 | PASS |
| n26(824-849) | 15 | 20 | DFT-64QAM  | H | Outer_Ful<br>I | NV | -20 | -0.5 | -<br>0.00059<br>6 | PASS |
| n26(824-849) | 15 | 20 | DFT-64QAM  | H | Outer_Ful<br>I | NV | -10 | -0.9 | -<br>0.00107<br>3 | PASS |
| n26(824-849) | 15 | 20 | DFT-64QAM  | H | Outer_Ful<br>I | NV | 0   | 1.5  | 0.00178<br>8      | PASS |
| n26(824-849) | 15 | 20 | DFT-64QAM  | H | Outer_Ful<br>I | NV | 10  | -2.6 | -<br>0.00309<br>9 | PASS |
| n26(824-849) | 15 | 20 | DFT-64QAM  | H | Outer_Ful<br>I | NV | 20  | -0.3 | -<br>0.00035<br>8 | PASS |
| n26(824-849) | 15 | 20 | DFT-64QAM  | H | Outer_Ful<br>I | NV | 30  | -2.5 | -0.00298          | PASS |
| n26(824-849) | 15 | 20 | DFT-64QAM  | H | Outer_Ful<br>I | NV | 40  | -0.6 | -<br>0.00071<br>5 | PASS |
| n26(824-849) | 15 | 20 | DFT-64QAM  | H | Outer_Ful<br>I | NV | 50  | 0.3  | 0.00035<br>8      | PASS |
| n26(824-849) | 15 | 20 | DFT-256QAM | H | Outer_Ful<br>I | NV | -30 | -1.2 | -0.00143          | PASS |
| n26(824-849) | 15 | 20 | DFT-256QAM | H | Outer_Ful<br>I | NV | -20 | 0.7  | 0.00083<br>4      | PASS |
| n26(824-849) | 15 | 20 | DFT-256QAM | H | Outer_Ful<br>I | NV | -10 | -1.4 | -<br>0.00166<br>9 | PASS |
| n26(824-849) | 15 | 20 | DFT-256QAM | H | Outer_Ful<br>I | NV | 0   | 0    | 0                 | PASS |
| n26(824-849) | 15 | 20 | DFT-256QAM | H | Outer_Ful<br>I | NV | 10  | -1.8 | -<br>0.00214<br>5 | PASS |
| n26(824-849) | 15 | 20 | DFT-256QAM | H | Outer_Ful<br>I | NV | 20  | 1.8  | 0.00214<br>5      | PASS |
| n26(824-849) | 15 | 20 | DFT-256QAM | H | Outer_Ful<br>I | NV | 30  | 0.4  | 0.00047<br>7      | PASS |

|              |    |    |            |   |                |    |     |      |                   |      |
|--------------|----|----|------------|---|----------------|----|-----|------|-------------------|------|
| n26(824-849) | 15 | 20 | DFT-256QAM | H | Outer_Ful<br>I | NV | 40  | 1.4  | 0.00166<br>9      | PASS |
| n26(824-849) | 15 | 20 | DFT-256QAM | H | Outer_Ful<br>I | NV | 50  | -0.1 | -<br>0.00011<br>9 | PASS |
| n26(824-849) | 15 | 20 | CP-QPSK    | H | Outer_Ful<br>I | NV | -30 | 0.2  | 0.00023<br>8      | PASS |
| n26(824-849) | 15 | 20 | CP-QPSK    | H | Outer_Ful<br>I | NV | -20 | 0.6  | 0.00071<br>5      | PASS |
| n26(824-849) | 15 | 20 | CP-QPSK    | H | Outer_Ful<br>I | NV | -10 | 0.2  | 0.00023<br>8      | PASS |
| n26(824-849) | 15 | 20 | CP-QPSK    | H | Outer_Ful<br>I | NV | 0   | 0.2  | 0.00023<br>8      | PASS |
| n26(824-849) | 15 | 20 | CP-QPSK    | H | Outer_Ful<br>I | NV | 10  | 0    | 0                 | PASS |
| n26(824-849) | 15 | 20 | CP-QPSK    | H | Outer_Ful<br>I | NV | 20  | 0    | 0                 | PASS |
| n26(824-849) | 15 | 20 | CP-QPSK    | H | Outer_Ful<br>I | NV | 30  | 3    | 0.00357<br>6      | PASS |
| n26(824-849) | 15 | 20 | CP-QPSK    | H | Outer_Ful<br>I | NV | 40  | 0.4  | 0.00047<br>7      | PASS |
| n26(824-849) | 15 | 20 | CP-QPSK    | H | Outer_Ful<br>I | NV | 50  | -1.3 | -<br>0.00154<br>9 | PASS |
| n26(824-849) | 15 | 20 | CP-16QAM   | H | Outer_Ful<br>I | NV | -30 | 2.5  | 0.00298           | PASS |
| n26(824-849) | 15 | 20 | CP-16QAM   | H | Outer_Ful<br>I | NV | -20 | -0.2 | -<br>0.00023<br>8 | PASS |
| n26(824-849) | 15 | 20 | CP-16QAM   | H | Outer_Ful<br>I | NV | -10 | 0.3  | 0.00035<br>8      | PASS |
| n26(824-849) | 15 | 20 | CP-16QAM   | H | Outer_Ful<br>I | NV | 0   | 2.7  | 0.00321<br>8      | PASS |
| n26(824-849) | 15 | 20 | CP-16QAM   | H | Outer_Ful<br>I | NV | 10  | 0.2  | 0.00023<br>8      | PASS |
| n26(824-849) | 15 | 20 | CP-16QAM   | H | Outer_Ful<br>I | NV | 20  | 1.6  | 0.00190<br>7      | PASS |
| n26(824-849) | 15 | 20 | CP-16QAM   | H | Outer_Ful<br>I | NV | 30  | 0.8  | 0.00095<br>4      | PASS |
| n26(824-849) | 15 | 20 | CP-16QAM   | H | Outer_Ful<br>I | NV | 40  | -0.4 | -<br>0.00047<br>7 | PASS |
| n26(824-849) | 15 | 20 | CP-        | H | Outer_Ful      | NV | 50  | -0.9 | -                 | PASS |

|                  |    |    |               |   |                |    |     |      |                   |      |
|------------------|----|----|---------------|---|----------------|----|-----|------|-------------------|------|
| -849)            |    |    | 16QAM         |   | I              |    |     |      | 0.00107<br>3      |      |
| n26(824<br>-849) | 15 | 20 | CP-<br>64QAM  | H | Outer_Ful<br>I | NV | -30 | 0.9  | 0.00107<br>3      | PASS |
| n26(824<br>-849) | 15 | 20 | CP-<br>64QAM  | H | Outer_Ful<br>I | NV | -20 | 0.9  | 0.00107<br>3      | PASS |
| n26(824<br>-849) | 15 | 20 | CP-<br>64QAM  | H | Outer_Ful<br>I | NV | -10 | -1.7 | -<br>0.00202<br>6 | PASS |
| n26(824<br>-849) | 15 | 20 | CP-<br>64QAM  | H | Outer_Ful<br>I | NV | 0   | 0.5  | 0.00059<br>6      | PASS |
| n26(824<br>-849) | 15 | 20 | CP-<br>64QAM  | H | Outer_Ful<br>I | NV | 10  | 2.4  | 0.00286<br>1      | PASS |
| n26(824<br>-849) | 15 | 20 | CP-<br>64QAM  | H | Outer_Ful<br>I | NV | 20  | 0.2  | 0.00023<br>8      | PASS |
| n26(824<br>-849) | 15 | 20 | CP-<br>64QAM  | H | Outer_Ful<br>I | NV | 30  | 1.3  | 0.00154<br>9      | PASS |
| n26(824<br>-849) | 15 | 20 | CP-<br>64QAM  | H | Outer_Ful<br>I | NV | 40  | 1.4  | 0.00166<br>9      | PASS |
| n26(824<br>-849) | 15 | 20 | CP-<br>64QAM  | H | Outer_Ful<br>I | NV | 50  | 0.5  | 0.00059<br>6      | PASS |
| n26(824<br>-849) | 15 | 20 | CP-<br>256QAM | H | Outer_Ful<br>I | NV | -30 | 0.1  | 0.00011<br>9      | PASS |
| n26(824<br>-849) | 15 | 20 | CP-<br>256QAM | H | Outer_Ful<br>I | NV | -20 | -0.8 | -<br>0.00095<br>4 | PASS |
| n26(824<br>-849) | 15 | 20 | CP-<br>256QAM | H | Outer_Ful<br>I | NV | -10 | 1.1  | 0.00131<br>1      | PASS |
| n26(824<br>-849) | 15 | 20 | CP-<br>256QAM | H | Outer_Ful<br>I | NV | 0   | -0.5 | -<br>0.00059<br>6 | PASS |
| n26(824<br>-849) | 15 | 20 | CP-<br>256QAM | H | Outer_Ful<br>I | NV | 10  | 1.7  | 0.00202<br>6      | PASS |
| n26(824<br>-849) | 15 | 20 | CP-<br>256QAM | H | Outer_Ful<br>I | NV | 20  | -0.5 | -<br>0.00059<br>6 | PASS |
| n26(824<br>-849) | 15 | 20 | CP-<br>256QAM | H | Outer_Ful<br>I | NV | 30  | 0.6  | 0.00071<br>5      | PASS |
| n26(824<br>-849) | 15 | 20 | CP-<br>256QAM | H | Outer_Ful<br>I | NV | 40  | 2.3  | 0.00274<br>1      | PASS |
| n26(824<br>-849) | 15 | 20 | CP-<br>256QAM | H | Outer_Ful<br>I | NV | 50  | 0    | 0                 | PASS |

