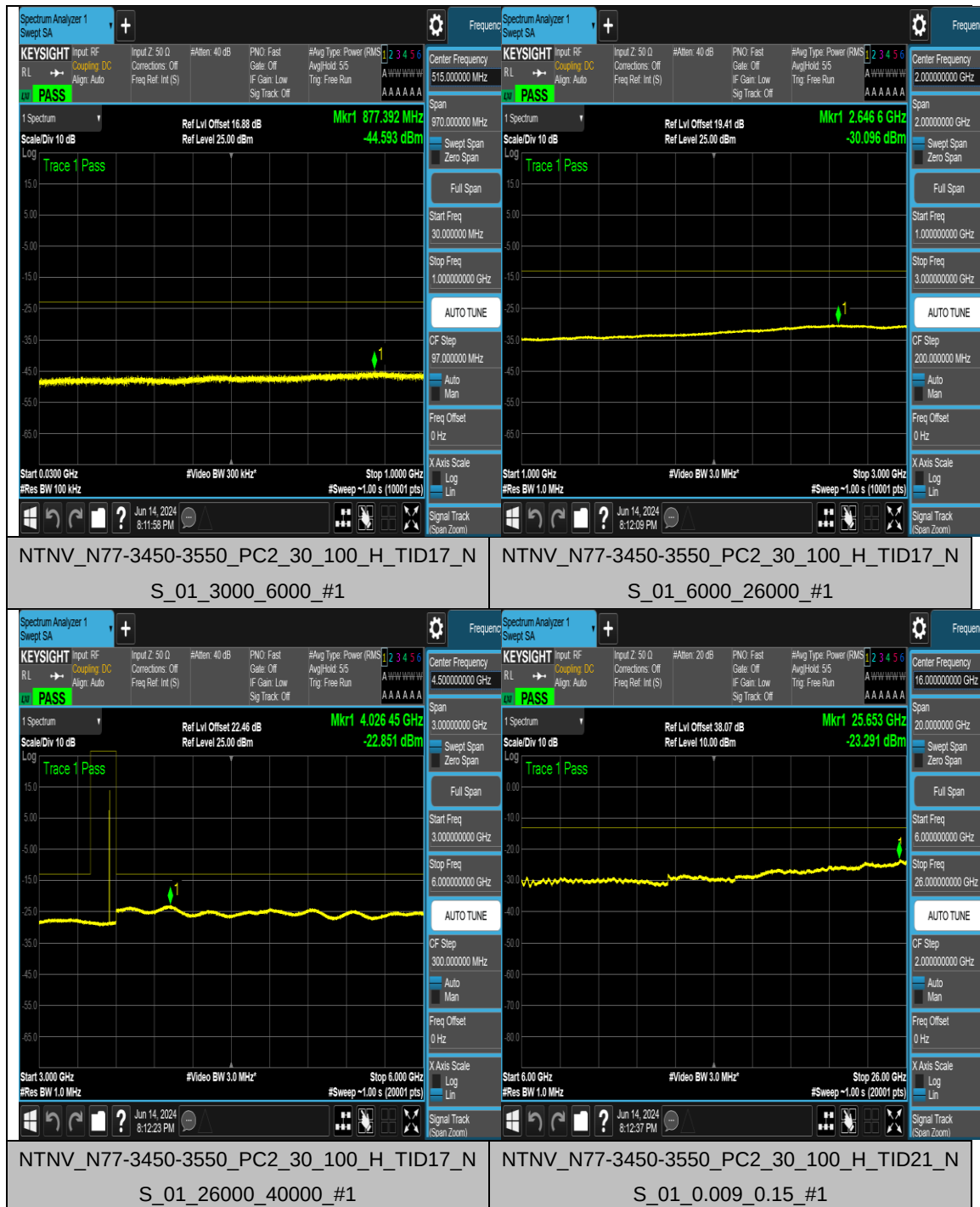
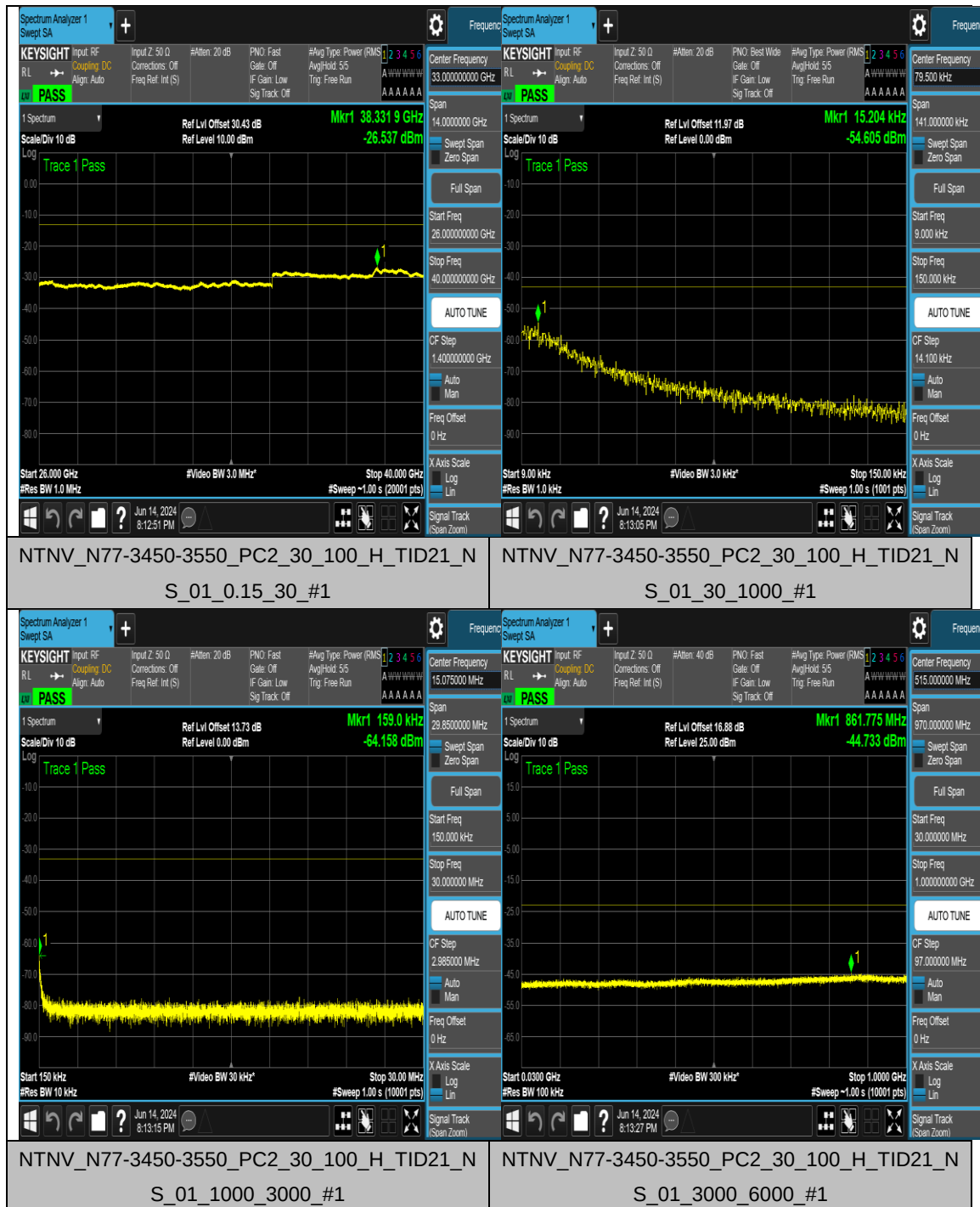
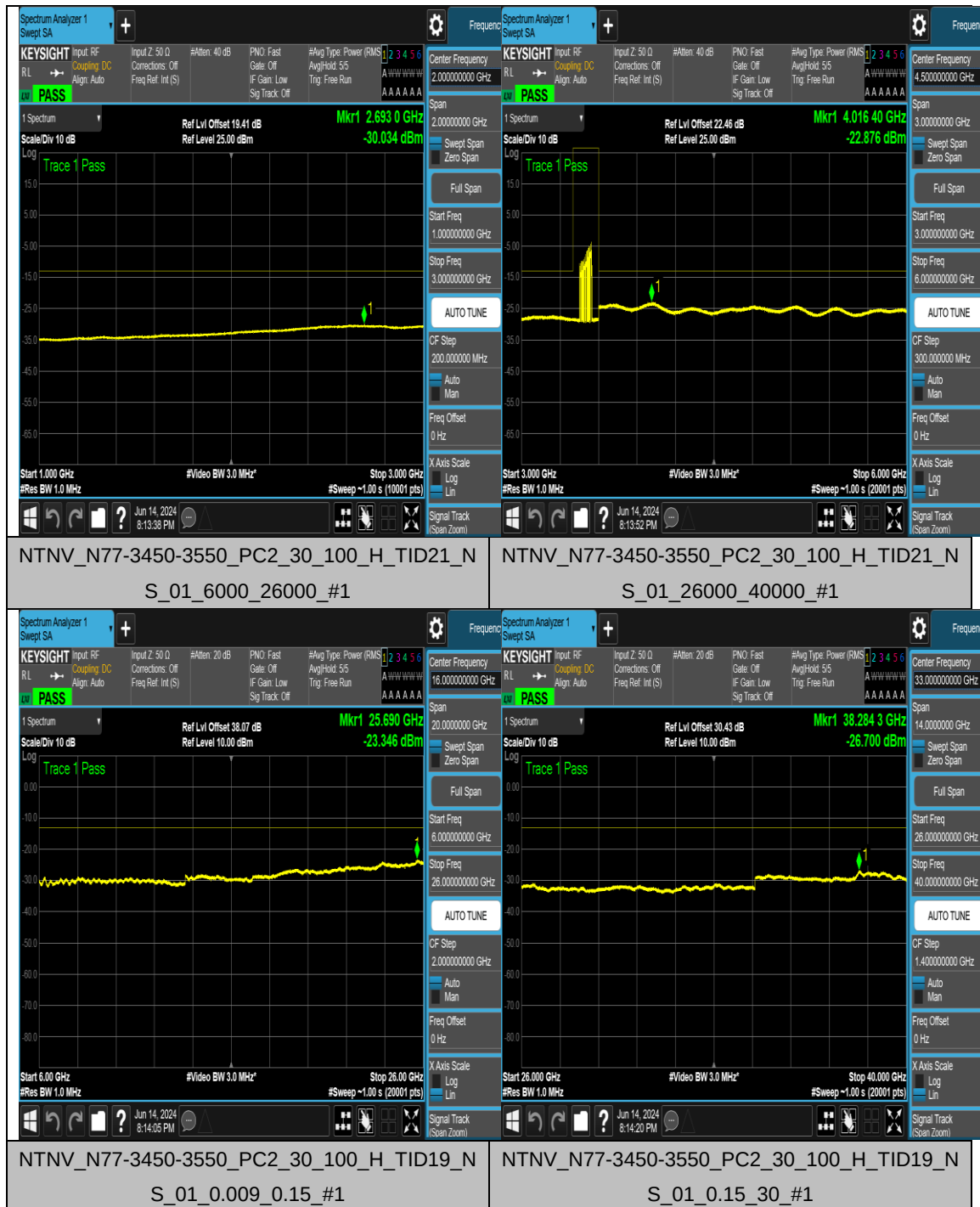
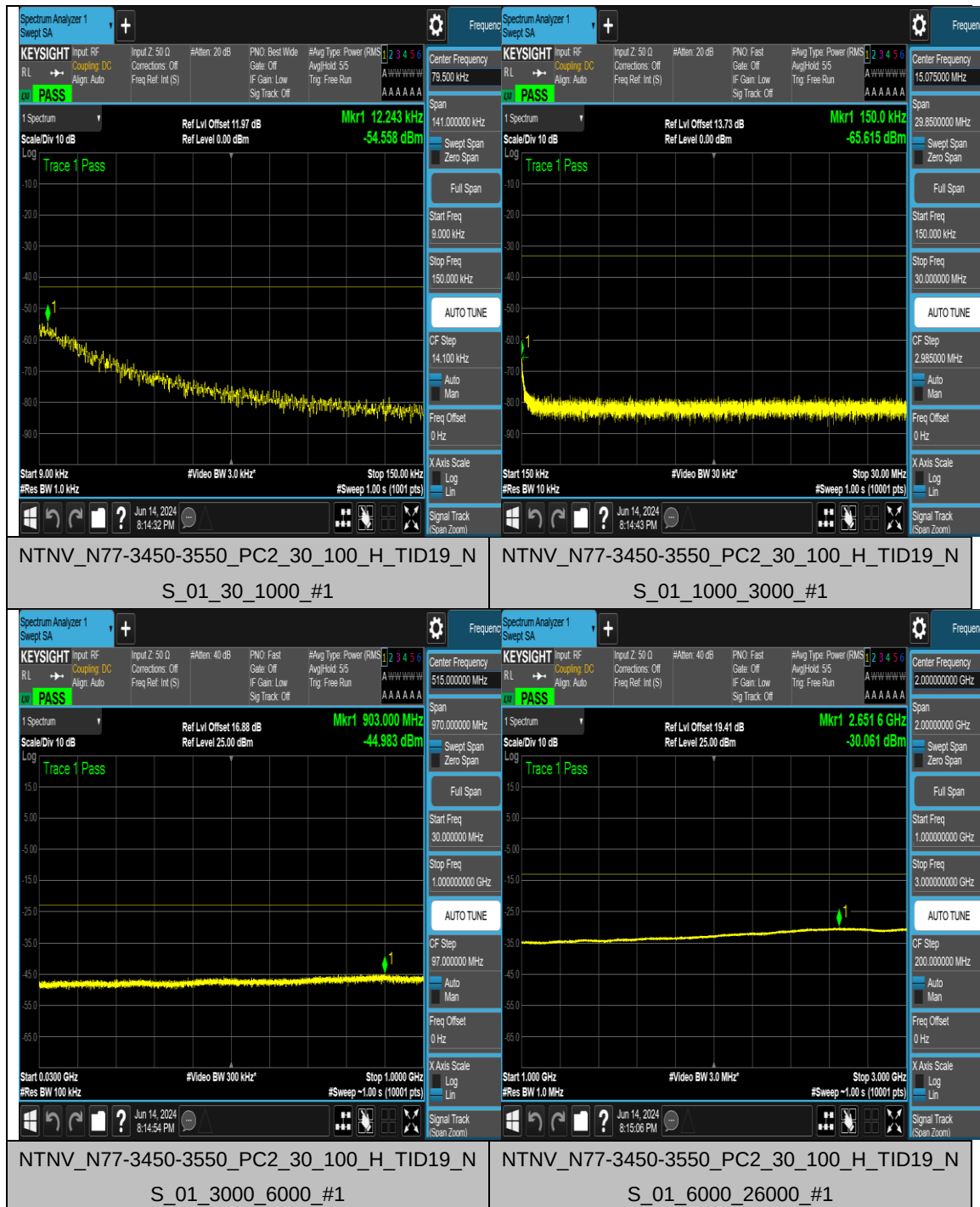
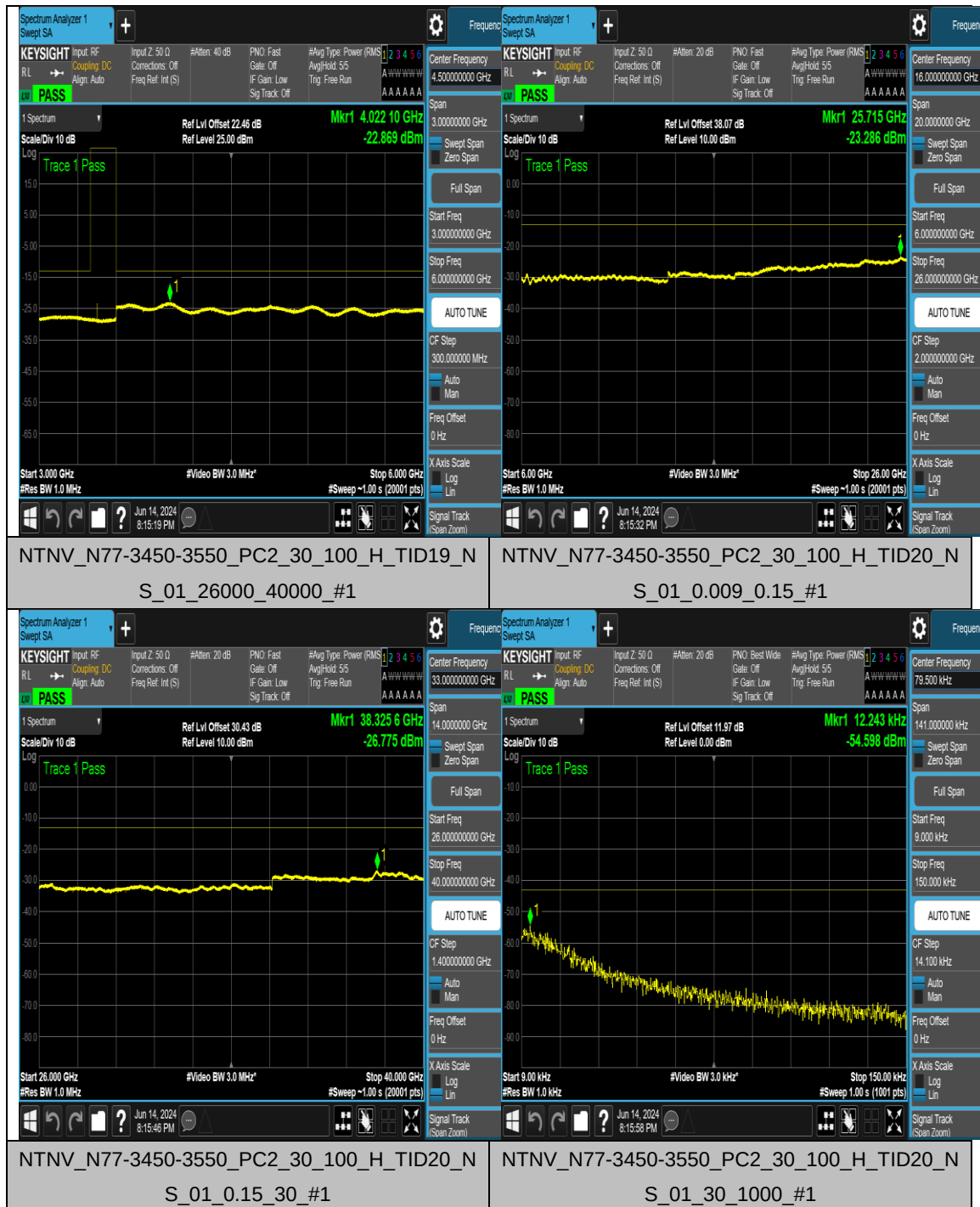


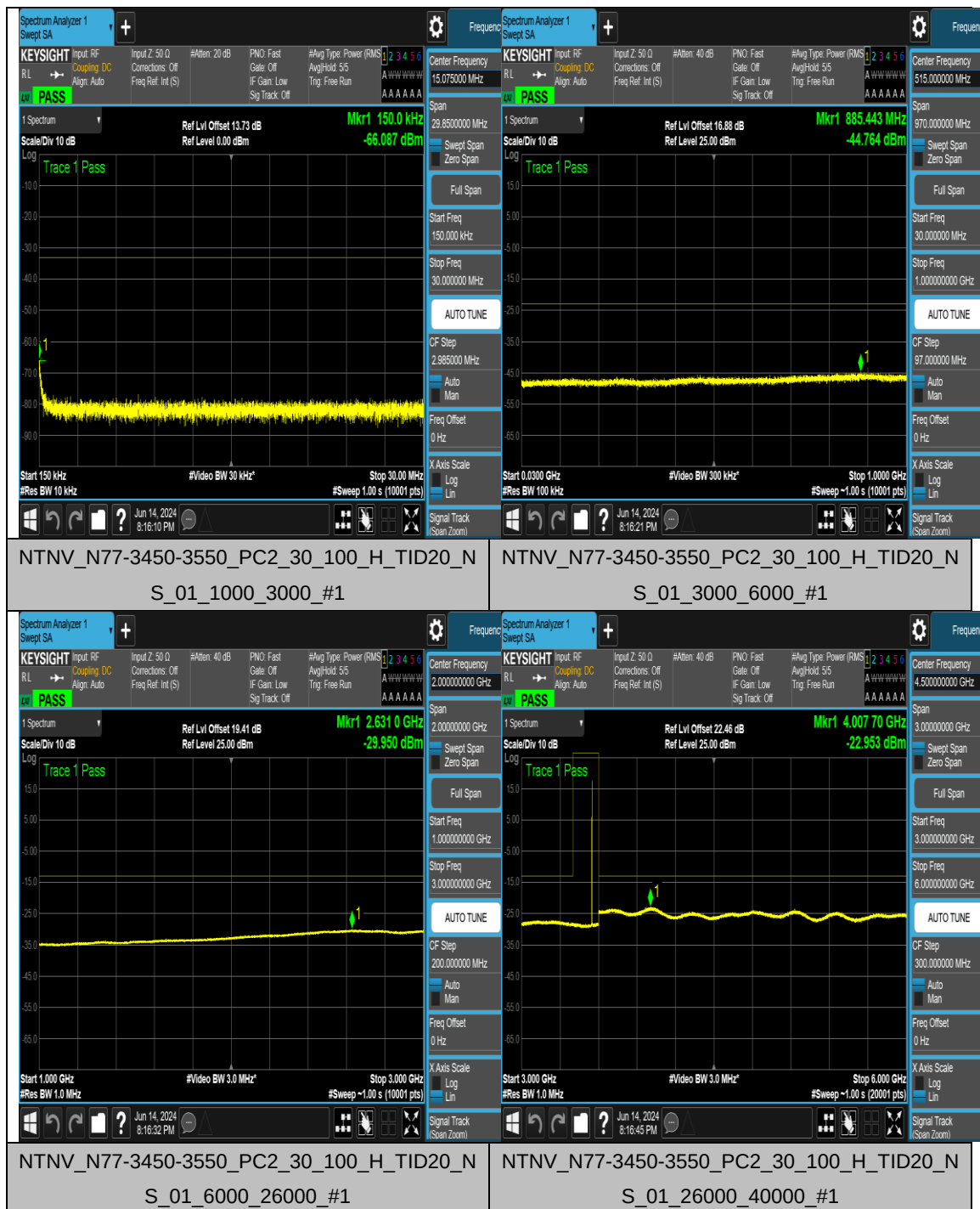


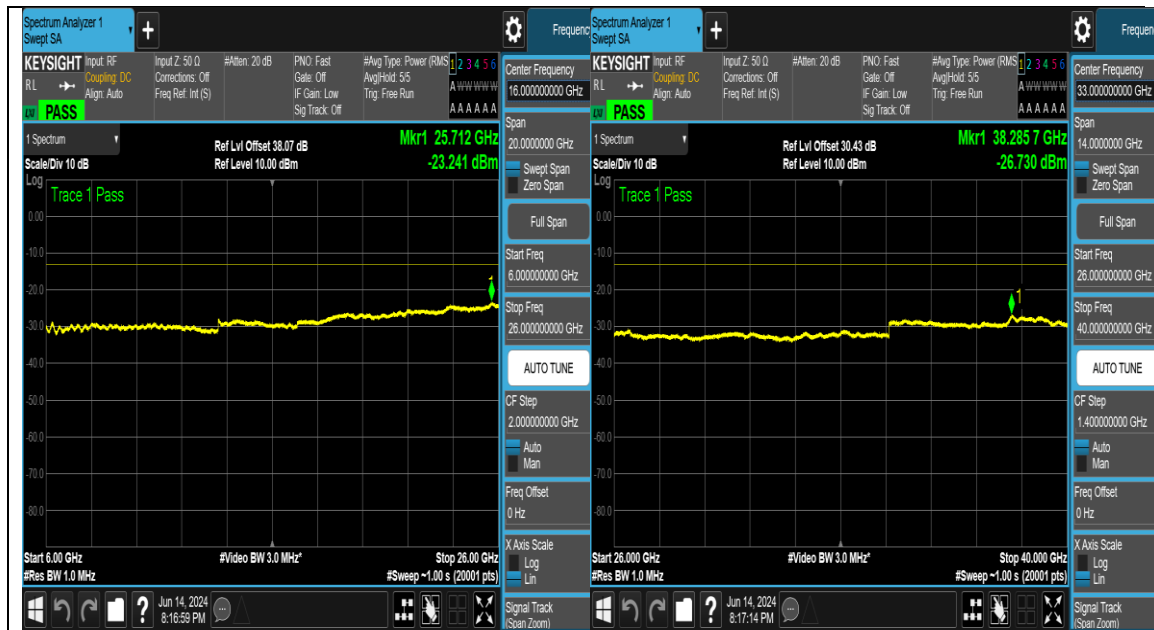












## Appendix F: Frequency Stability for SA

### Test Result

#### Frequency Error VS. Voltage

| Voltage           |     |           |            |         |            |         |             |               |                 |         |
|-------------------|-----|-----------|------------|---------|------------|---------|-------------|---------------|-----------------|---------|
| Band              | SCS | Bandwidth | Modulation | Channel | RB Config  | Voltage | Temperature | Deviation(Hz) | Deviation (ppm) | Verdict |
| N77-345<br>0-3550 | 30  | 10        | DFT-QPSK   | L       | Outer_Full | VL      | NT          | 8.000000      | 0.002315        | PASS    |
| N77-345<br>0-3550 | 30  | 10        | DFT-QPSK   | L       | Outer_Full | VN      | NT          | 9.000000      | 0.002605        | PASS    |
| N77-345<br>0-3550 | 30  | 10        | DFT-QPSK   | L       | Outer_Full | VH      | NT          | 15.000000     | 0.004342        | PASS    |
| N77-345<br>0-3550 | 30  | 10        | DFT-16QAM  | L       | Outer_Full | VL      | NT          | 10.000000     | 0.002894        | PASS    |
| N77-345<br>0-3550 | 30  | 10        | DFT-16QAM  | L       | Outer_Full | VN      | NT          | 2.000000      | 0.000579        | PASS    |
| N77-345<br>0-3550 | 30  | 10        | DFT-16QAM  | L       | Outer_Full | VH      | NT          | 4.000000      | 0.001158        | PASS    |
| N77-345<br>0-3550 | 30  | 10        | DFT-QPSK   | M       | Outer_Full | VL      | NT          | 1.000000      | 0.000286        | PASS    |
| N77-345<br>0-3550 | 30  | 10        | DFT-QPSK   | M       | Outer_Full | VN      | NT          | 8.000000      | 0.002286        | PASS    |
| N77-345<br>0-3550 | 30  | 10        | DFT-QPSK   | M       | Outer_Full | VH      | NT          | 14.000000     | 0.004000        | PASS    |
| N77-345<br>0-3550 | 30  | 10        | DFT-16QAM  | M       | Outer_Full | VL      | NT          | 11.000000     | 0.003143        | PASS    |
| N77-345<br>0-3550 | 30  | 10        | DFT-16QAM  | M       | Outer_Full | VN      | NT          | 6.000000      | 0.001714        | PASS    |
| N77-345<br>0-3550 | 30  | 10        | DFT-16QAM  | M       | Outer_Full | VH      | NT          | 2.000000      | 0.000571        | PASS    |
| N77-345<br>0-3550 | 30  | 10        | DFT-QPSK   | H       | Outer_Full | VL      | NT          | 1.000000      | 0.000282        | PASS    |
| N77-345<br>0-3550 | 30  | 10        | DFT-QPSK   | H       | Outer_Full | VN      | NT          | 14.000000     | 0.003949        | PASS    |
| N77-345<br>0-3550 | 30  | 10        | DFT-QPSK   | H       | Outer_Full | VH      | NT          | 1.000000      | 0.000282        | PASS    |
| N77-345<br>0-3550 | 30  | 10        | DFT-16QAM  | H       | Outer_Full | VL      | NT          | 7.000000      | 0.001975        | PASS    |
| N77-345           | 30  | 10        | DFT-16QAM  | H       | Outer_Full | VN      | NT          | 5.000000      | 0.001410        | PASS    |

|                   |    |    |           |   |            |    |    |           |          |      |
|-------------------|----|----|-----------|---|------------|----|----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |    |           |          |      |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | H | Outer_Full | VH | NT | 16.000000 | 0.004513 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | L | Outer_Full | VL | NT | 14.000000 | 0.004048 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | L | Outer_Full | VN | NT | 16.000000 | 0.004628 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | L | Outer_Full | VH | NT | 13.000000 | 0.003760 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | L | Outer_Full | VL | NT | 1.000000  | 0.000289 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | L | Outer_Full | VN | NT | 4.000000  | 0.001157 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | L | Outer_Full | VH | NT | 10.000000 | 0.002892 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | M | Outer_Full | VL | NT | 7.000000  | 0.002000 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | M | Outer_Full | VN | NT | 5.000000  | 0.001429 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | M | Outer_Full | VH | NT | 2.000000  | 0.000571 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | M | Outer_Full | VL | NT | 12.000000 | 0.003429 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | M | Outer_Full | VN | NT | 7.000000  | 0.002000 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | M | Outer_Full | VH | NT | 5.000000  | 0.001429 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | H | Outer_Full | VL | NT | 6.000000  | 0.001694 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | H | Outer_Full | VN | NT | 12.000000 | 0.003387 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | H | Outer_Full | VH | NT | 3.000000  | 0.000847 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | H | Outer_Full | VL | NT | 15.000000 | 0.004234 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | H | Outer_Full | VN | NT | 10.000000 | 0.002823 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | H | Outer_Full | VH | NT | 14.000000 | 0.003952 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | L | Outer_Full | VL | NT | 9.000000  | 0.002601 | PASS |
| N77-345           | 30 | 20 | DFT-QPSK  | L | Outer_Full | VN | NT | 16.000000 | 0.004624 | PASS |

|                   |    |    |           |   |            |    |    |           |          |      |
|-------------------|----|----|-----------|---|------------|----|----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |    |           |          |      |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | L | Outer_Full | VH | NT | 7.000000  | 0.002023 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | L | Outer_Full | VL | NT | 15.000000 | 0.004335 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | L | Outer_Full | VN | NT | 3.000000  | 0.000867 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | L | Outer_Full | VH | NT | 6.000000  | 0.001734 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | M | Outer_Full | VL | NT | 1.000000  | 0.000286 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | M | Outer_Full | VN | NT | 14.000000 | 0.004000 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | M | Outer_Full | VH | NT | 5.000000  | 0.001429 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | M | Outer_Full | VL | NT | 6.000000  | 0.001714 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | M | Outer_Full | VN | NT | 9.000000  | 0.002571 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | M | Outer_Full | VH | NT | 11.000000 | 0.003143 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | H | Outer_Full | VL | NT | 4.000000  | 0.001130 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | H | Outer_Full | VN | NT | 18.000000 | 0.005085 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | H | Outer_Full | VH | NT | 16.000000 | 0.004520 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | H | Outer_Full | VL | NT | 13.000000 | 0.003672 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | H | Outer_Full | VN | NT | 16.000000 | 0.004520 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | H | Outer_Full | VH | NT | 19.000000 | 0.005367 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | L | Outer_Full | VL | NT | 17.000000 | 0.004906 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | L | Outer_Full | VN | NT | 12.000000 | 0.003463 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | L | Outer_Full | VH | NT | 12.000000 | 0.003463 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | L | Outer_Full | VL | NT | 17.000000 | 0.004906 | PASS |
| N77-345           | 30 | 30 | DFT-16QAM | L | Outer_Full | VN | NT | 12.000000 | 0.003463 | PASS |

|                   |    |    |           |   |            |    |    |           |          |      |
|-------------------|----|----|-----------|---|------------|----|----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |    |           |          |      |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | L | Outer_Full | VH | NT | 11.000000 | 0.003175 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | M | Outer_Full | VL | NT | 9.000000  | 0.002571 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | M | Outer_Full | VN | NT | 19.000000 | 0.005429 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | M | Outer_Full | VH | NT | 7.000000  | 0.002000 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | M | Outer_Full | VL | NT | 1.000000  | 0.000286 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | M | Outer_Full | VN | NT | 14.000000 | 0.004000 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | M | Outer_Full | VH | NT | 4.000000  | 0.001143 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | H | Outer_Full | VL | NT | 3.000000  | 0.000849 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | H | Outer_Full | VN | NT | 10.000000 | 0.002829 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | H | Outer_Full | VH | NT | 8.000000  | 0.002263 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | H | Outer_Full | VL | NT | 15.000000 | 0.004243 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | H | Outer_Full | VN | NT | 9.000000  | 0.002546 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | H | Outer_Full | VH | NT | 8.000000  | 0.002263 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | L | Outer_Full | VL | NT | 18.000000 | 0.005187 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | L | Outer_Full | VN | NT | 18.000000 | 0.005187 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | L | Outer_Full | VH | NT | 17.000000 | 0.004899 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | L | Outer_Full | VL | NT | 16.000000 | 0.004611 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | L | Outer_Full | VN | NT | 11.000000 | 0.003170 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | L | Outer_Full | VH | NT | 14.000000 | 0.004035 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | M | Outer_Full | VL | NT | 17.000000 | 0.004857 | PASS |
| N77-345           | 30 | 40 | DFT-QPSK  | M | Outer_Full | VN | NT | 9.000000  | 0.002571 | PASS |

|                   |    |    |           |   |            |    |    |           |          |      |
|-------------------|----|----|-----------|---|------------|----|----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |    |           |          |      |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | M | Outer_Full | VH | NT | 19.000000 | 0.005429 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | M | Outer_Full | VL | NT | 5.000000  | 0.001429 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | M | Outer_Full | VN | NT | 15.000000 | 0.004286 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | M | Outer_Full | VH | NT | 18.000000 | 0.005143 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | H | Outer_Full | VL | NT | 11.000000 | 0.003116 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | H | Outer_Full | VN | NT | 15.000000 | 0.004249 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | H | Outer_Full | VH | NT | 14.000000 | 0.003966 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | H | Outer_Full | VL | NT | 6.000000  | 0.001700 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | H | Outer_Full | VN | NT | 16.000000 | 0.004533 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | H | Outer_Full | VH | NT | 15.000000 | 0.004249 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | L | Outer_Full | VL | NT | 3.000000  | 0.000863 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | L | Outer_Full | VN | NT | 8.000000  | 0.002302 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | L | Outer_Full | VH | NT | 13.000000 | 0.003741 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | L | Outer_Full | VL | NT | 19.000000 | 0.005468 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | L | Outer_Full | VN | NT | 14.000000 | 0.004028 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | L | Outer_Full | VH | NT | 9.000000  | 0.002590 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | M | Outer_Full | VL | NT | 16.000000 | 0.004571 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | M | Outer_Full | VN | NT | 18.000000 | 0.005143 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | M | Outer_Full | VH | NT | 1.000000  | 0.000286 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | M | Outer_Full | VL | NT | 19.000000 | 0.005429 | PASS |
| N77-345           | 30 | 50 | DFT-16QAM | M | Outer_Full | VN | NT | 13.000000 | 0.003714 | PASS |

|                   |    |    |           |   |            |    |    |           |          |      |
|-------------------|----|----|-----------|---|------------|----|----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |    |           |          |      |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | M | Outer_Full | VH | NT | 11.000000 | 0.003143 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | H | Outer_Full | VL | NT | 17.000000 | 0.004823 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | H | Outer_Full | VN | NT | 10.000000 | 0.002837 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | H | Outer_Full | VH | NT | 13.000000 | 0.003688 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | H | Outer_Full | VL | NT | 5.000000  | 0.001418 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | H | Outer_Full | VN | NT | 8.000000  | 0.002270 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | H | Outer_Full | VH | NT | 17.000000 | 0.004823 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | L | Outer_Full | VL | NT | 2.000000  | 0.000575 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | L | Outer_Full | VN | NT | 6.000000  | 0.001724 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | L | Outer_Full | VH | NT | 7.000000  | 0.002011 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | L | Outer_Full | VL | NT | 14.000000 | 0.004022 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | L | Outer_Full | VN | NT | 9.000000  | 0.002586 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | L | Outer_Full | VH | NT | 3.000000  | 0.000862 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | M | Outer_Full | VL | NT | 3.000000  | 0.000857 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | M | Outer_Full | VN | NT | 7.000000  | 0.002000 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | M | Outer_Full | VH | NT | 1.000000  | 0.000286 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | M | Outer_Full | VL | NT | 16.000000 | 0.004571 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | M | Outer_Full | VN | NT | 18.000000 | 0.005143 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | M | Outer_Full | VH | NT | 8.000000  | 0.002286 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | H | Outer_Full | VL | NT | 2.000000  | 0.000568 | PASS |
| N77-345           | 30 | 60 | DFT-QPSK  | H | Outer_Full | VN | NT | 16.000000 | 0.004545 | PASS |

|                   |    |    |           |   |            |    |    |           |          |      |
|-------------------|----|----|-----------|---|------------|----|----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |    |           |          |      |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | H | Outer_Full | VH | NT | 15.000000 | 0.004261 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | H | Outer_Full | VL | NT | 15.000000 | 0.004261 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | H | Outer_Full | VN | NT | 10.000000 | 0.002841 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | H | Outer_Full | VH | NT | 1.000000  | 0.000284 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | L | Outer_Full | VL | NT | 17.000000 | 0.004878 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | L | Outer_Full | VN | NT | 15.000000 | 0.004304 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | L | Outer_Full | VH | NT | 15.000000 | 0.004304 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | L | Outer_Full | VL | NT | 7.000000  | 0.002009 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | L | Outer_Full | VN | NT | 18.000000 | 0.005165 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | L | Outer_Full | VH | NT | 14.000000 | 0.004016 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | M | Outer_Full | VL | NT | 5.000000  | 0.001429 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | M | Outer_Full | VN | NT | 1.000000  | 0.000286 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | M | Outer_Full | VH | NT | 7.000000  | 0.002000 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | M | Outer_Full | VL | NT | 18.000000 | 0.005143 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | M | Outer_Full | VN | NT | 16.000000 | 0.004571 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | M | Outer_Full | VH | NT | 3.000000  | 0.000857 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | H | Outer_Full | VL | NT | 12.000000 | 0.003414 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | H | Outer_Full | VN | NT | 13.000000 | 0.003698 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | H | Outer_Full | VH | NT | 15.000000 | 0.004267 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | H | Outer_Full | VL | NT | 9.000000  | 0.002560 | PASS |
| N77-345           | 30 | 70 | DFT-16QAM | H | Outer_Full | VN | NT | 13.000000 | 0.003698 | PASS |

|                   |    |    |           |   |            |    |    |           |          |      |
|-------------------|----|----|-----------|---|------------|----|----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |    |           |          |      |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | H | Outer_Full | VH | NT | 4.000000  | 0.001138 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | L | Outer_Full | VL | NT | 3.000000  | 0.000860 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | L | Outer_Full | VN | NT | 13.000000 | 0.003725 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | L | Outer_Full | VH | NT | 6.000000  | 0.001719 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | L | Outer_Full | VL | NT | 5.000000  | 0.001433 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | L | Outer_Full | VN | NT | 19.000000 | 0.005444 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | L | Outer_Full | VH | NT | 2.000000  | 0.000573 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | M | Outer_Full | VL | NT | 4.000000  | 0.001143 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | M | Outer_Full | VN | NT | 18.000000 | 0.005143 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | M | Outer_Full | VH | NT | 16.000000 | 0.004571 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | M | Outer_Full | VL | NT | 3.000000  | 0.000857 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | M | Outer_Full | VN | NT | 14.000000 | 0.004000 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | M | Outer_Full | VH | NT | 4.000000  | 0.001143 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | H | Outer_Full | VL | NT | 6.000000  | 0.001709 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | H | Outer_Full | VN | NT | 15.000000 | 0.004274 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | H | Outer_Full | VH | NT | 14.000000 | 0.003989 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | H | Outer_Full | VL | NT | 19.000000 | 0.005413 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | H | Outer_Full | VN | NT | 4.000000  | 0.001140 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | H | Outer_Full | VH | NT | 11.000000 | 0.003134 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-QPSK  | L | Outer_Full | VL | NT | 12.000000 | 0.003433 | PASS |
| N77-345           | 30 | 90 | DFT-QPSK  | L | Outer_Full | VN | NT | 3.000000  | 0.000858 | PASS |

|                   |    |     |           |   |            |    |    |           |          |      |
|-------------------|----|-----|-----------|---|------------|----|----|-----------|----------|------|
| 0-3550            |    |     |           |   |            |    |    |           |          |      |
| N77-345<br>0-3550 | 30 | 90  | DFT-QPSK  | L | Outer_Full | VH | NT | 13.000000 | 0.003720 | PASS |
| N77-345<br>0-3550 | 30 | 90  | DFT-16QAM | L | Outer_Full | VL | NT | 18.000000 | 0.005150 | PASS |
| N77-345<br>0-3550 | 30 | 90  | DFT-16QAM | L | Outer_Full | VN | NT | 12.000000 | 0.003433 | PASS |
| N77-345<br>0-3550 | 30 | 90  | DFT-16QAM | L | Outer_Full | VH | NT | 11.000000 | 0.003147 | PASS |
| N77-345<br>0-3550 | 30 | 90  | DFT-QPSK  | M | Outer_Full | VL | NT | 19.000000 | 0.005429 | PASS |
| N77-345<br>0-3550 | 30 | 90  | DFT-QPSK  | M | Outer_Full | VN | NT | 14.000000 | 0.004000 | PASS |
| N77-345<br>0-3550 | 30 | 90  | DFT-QPSK  | M | Outer_Full | VH | NT | 12.000000 | 0.003429 | PASS |
| N77-345<br>0-3550 | 30 | 90  | DFT-16QAM | M | Outer_Full | VL | NT | 7.000000  | 0.002000 | PASS |
| N77-345<br>0-3550 | 30 | 90  | DFT-16QAM | M | Outer_Full | VN | NT | 9.000000  | 0.002571 | PASS |
| N77-345<br>0-3550 | 30 | 90  | DFT-16QAM | M | Outer_Full | VH | NT | 8.000000  | 0.002286 | PASS |
| N77-345<br>0-3550 | 30 | 90  | DFT-QPSK  | H | Outer_Full | VL | NT | 5.000000  | 0.001427 | PASS |
| N77-345<br>0-3550 | 30 | 90  | DFT-QPSK  | H | Outer_Full | VN | NT | 6.000000  | 0.001712 | PASS |
| N77-345<br>0-3550 | 30 | 90  | DFT-QPSK  | H | Outer_Full | VH | NT | 9.000000  | 0.002568 | PASS |
| N77-345<br>0-3550 | 30 | 90  | DFT-16QAM | H | Outer_Full | VL | NT | 12.000000 | 0.003424 | PASS |
| N77-345<br>0-3550 | 30 | 90  | DFT-16QAM | H | Outer_Full | VN | NT | 5.000000  | 0.001427 | PASS |
| N77-345<br>0-3550 | 30 | 90  | DFT-16QAM | H | Outer_Full | VH | NT | 8.000000  | 0.002282 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | L | Outer_Full | VL | NT | 15.000000 | 0.004286 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | L | Outer_Full | VN | NT | 13.000000 | 0.003714 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | L | Outer_Full | VH | NT | 5.000000  | 0.001429 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | L | Outer_Full | VL | NT | 15.000000 | 0.004286 | PASS |
| N77-345           | 30 | 100 | DFT-16QAM | L | Outer_Full | VN | NT | 19.000000 | 0.005429 | PASS |

|                   |    |     |           |   |            |    |    |           |          |      |
|-------------------|----|-----|-----------|---|------------|----|----|-----------|----------|------|
| 0-3550            |    |     |           |   |            |    |    |           |          |      |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | L | Outer_Full | VH | NT | 7.000000  | 0.002000 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | M | Outer_Full | VL | NT | 17.000000 | 0.004857 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | M | Outer_Full | VN | NT | 3.000000  | 0.000857 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | M | Outer_Full | VH | NT | 2.000000  | 0.000571 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | M | Outer_Full | VL | NT | 1.000000  | 0.000286 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | M | Outer_Full | VN | NT | 19.000000 | 0.005429 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | M | Outer_Full | VH | NT | 6.000000  | 0.001714 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | H | Outer_Full | VL | NT | 8.000000  | 0.002286 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | H | Outer_Full | VN | NT | 6.000000  | 0.001714 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | H | Outer_Full | VH | NT | 16.000000 | 0.004571 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | H | Outer_Full | VL | NT | 1.000000  | 0.000286 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | H | Outer_Full | VN | NT | 1.000000  | 0.000286 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | H | Outer_Full | VH | NT | 7.000000  | 0.002000 | PASS |

**Frequency Error VS. Temperature**

| Voltage           |     |           |            |         |            |         |             |               |                 |         |
|-------------------|-----|-----------|------------|---------|------------|---------|-------------|---------------|-----------------|---------|
| Band              | SCS | Bandwidth | Modulation | Channel | RB Config  | Voltage | Temperature | Deviation(Hz) | Deviation (ppm) | Verdict |
| N77-345<br>0-3550 | 30  | 10        | DFT-QPSK   | L       | Outer_Full | NV      | -30         | 10.000000     | 0.002894        | PASS    |
| N77-345<br>0-3550 | 30  | 10        | DFT-QPSK   | L       | Outer_Full | NV      | -20         | 13.000000     | 0.003763        | PASS    |
| N77-345<br>0-3550 | 30  | 10        | DFT-QPSK   | L       | Outer_Full | NV      | -10         | 3.000000      | 0.000868        | PASS    |
| N77-345<br>0-3550 | 30  | 10        | DFT-QPSK   | L       | Outer_Full | NV      | 0           | 2.000000      | 0.000579        | PASS    |
| N77-345           | 30  | 10        | DFT-QPSK   | L       | Outer_Full | NV      | 10          | 2.000000      | 0.000579        | PASS    |

|                   |    |    |           |   |            |    |     |           |          |      |
|-------------------|----|----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 10 | DFT-QPSK  | L | Outer_Full | NV | 20  | 11.000000 | 0.003184 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-QPSK  | L | Outer_Full | NV | 30  | 11.000000 | 0.003184 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-QPSK  | L | Outer_Full | NV | 40  | 17.000000 | 0.004920 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-QPSK  | L | Outer_Full | NV | 50  | 4.000000  | 0.001158 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | L | Outer_Full | NV | -30 | 6.000000  | 0.001737 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | L | Outer_Full | NV | -20 | 8.000000  | 0.002315 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | L | Outer_Full | NV | -10 | 11.000000 | 0.003184 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | L | Outer_Full | NV | 0   | 17.000000 | 0.004920 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | L | Outer_Full | NV | 10  | 1.000000  | 0.000289 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | L | Outer_Full | NV | 20  | 7.000000  | 0.002026 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | L | Outer_Full | NV | 30  | 19.000000 | 0.005499 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | L | Outer_Full | NV | 40  | 19.000000 | 0.005499 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | L | Outer_Full | NV | 50  | 18.000000 | 0.005210 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-QPSK  | M | Outer_Full | NV | -30 | 17.000000 | 0.004857 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-QPSK  | M | Outer_Full | NV | -20 | 12.000000 | 0.003429 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-QPSK  | M | Outer_Full | NV | -10 | 6.000000  | 0.001714 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-QPSK  | M | Outer_Full | NV | 0   | 18.000000 | 0.005143 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-QPSK  | M | Outer_Full | NV | 10  | 12.000000 | 0.003429 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-QPSK  | M | Outer_Full | NV | 20  | 3.000000  | 0.000857 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-QPSK  | M | Outer_Full | NV | 30  | 8.000000  | 0.002286 | PASS |
| N77-345           | 30 | 10 | DFT-QPSK  | M | Outer_Full | NV | 40  | 2.000000  | 0.000571 | PASS |

|                   |    |    |           |   |            |    |     |           |          |      |
|-------------------|----|----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 10 | DFT-QPSK  | M | Outer_Full | NV | 50  | 7.000000  | 0.002000 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | M | Outer_Full | NV | -30 | 11.000000 | 0.003143 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | M | Outer_Full | NV | -20 | 14.000000 | 0.004000 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | M | Outer_Full | NV | -10 | 1.000000  | 0.000286 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | M | Outer_Full | NV | 0   | 1.000000  | 0.000286 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | M | Outer_Full | NV | 10  | 10.000000 | 0.002857 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | M | Outer_Full | NV | 20  | 15.000000 | 0.004286 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | M | Outer_Full | NV | 30  | 14.000000 | 0.004000 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | M | Outer_Full | NV | 40  | 7.000000  | 0.002000 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | M | Outer_Full | NV | 50  | 13.000000 | 0.003714 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-QPSK  | H | Outer_Full | NV | -30 | 14.000000 | 0.003949 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-QPSK  | H | Outer_Full | NV | -20 | 14.000000 | 0.003949 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-QPSK  | H | Outer_Full | NV | -10 | 3.000000  | 0.000846 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-QPSK  | H | Outer_Full | NV | 0   | 3.000000  | 0.000846 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-QPSK  | H | Outer_Full | NV | 10  | 2.000000  | 0.000564 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-QPSK  | H | Outer_Full | NV | 20  | 8.000000  | 0.002257 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-QPSK  | H | Outer_Full | NV | 30  | 6.000000  | 0.001693 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-QPSK  | H | Outer_Full | NV | 40  | 16.000000 | 0.004513 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-QPSK  | H | Outer_Full | NV | 50  | 7.000000  | 0.001975 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | H | Outer_Full | NV | -30 | 19.000000 | 0.005360 | PASS |
| N77-345           | 30 | 10 | DFT-16QAM | H | Outer_Full | NV | -20 | 12.000000 | 0.003385 | PASS |

|                   |    |    |           |   |            |    |     |           |          |      |
|-------------------|----|----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | H | Outer_Full | NV | -10 | 12.000000 | 0.003385 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | H | Outer_Full | NV | 0   | 18.000000 | 0.005078 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | H | Outer_Full | NV | 10  | 5.000000  | 0.001410 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | H | Outer_Full | NV | 20  | 3.000000  | 0.000846 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | H | Outer_Full | NV | 30  | 6.000000  | 0.001693 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | H | Outer_Full | NV | 40  | 9.000000  | 0.002539 | PASS |
| N77-345<br>0-3550 | 30 | 10 | DFT-16QAM | H | Outer_Full | NV | 50  | 8.000000  | 0.002257 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | L | Outer_Full | NV | -30 | 16.000000 | 0.004628 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | L | Outer_Full | NV | -20 | 6.000000  | 0.001735 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | L | Outer_Full | NV | -10 | 12.000000 | 0.003471 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | L | Outer_Full | NV | 0   | 12.000000 | 0.003471 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | L | Outer_Full | NV | 10  | 11.000000 | 0.003181 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | L | Outer_Full | NV | 20  | 2.000000  | 0.000578 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | L | Outer_Full | NV | 30  | 1.000000  | 0.000289 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | L | Outer_Full | NV | 40  | 2.000000  | 0.000578 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | L | Outer_Full | NV | 50  | 8.000000  | 0.002314 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | L | Outer_Full | NV | -30 | 2.000000  | 0.000578 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | L | Outer_Full | NV | -20 | 8.000000  | 0.002314 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | L | Outer_Full | NV | -10 | 17.000000 | 0.004917 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | L | Outer_Full | NV | 0   | 11.000000 | 0.003181 | PASS |
| N77-345           | 30 | 15 | DFT-16QAM | L | Outer_Full | NV | 10  | 11.000000 | 0.003181 | PASS |

|                   |    |    |           |   |            |    |     |           |          |      |
|-------------------|----|----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | L | Outer_Full | NV | 20  | 16.000000 | 0.004628 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | L | Outer_Full | NV | 30  | 7.000000  | 0.002025 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | L | Outer_Full | NV | 40  | 6.000000  | 0.001735 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | L | Outer_Full | NV | 50  | 16.000000 | 0.004628 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | M | Outer_Full | NV | -30 | 5.000000  | 0.001429 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | M | Outer_Full | NV | -20 | 11.000000 | 0.003143 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | M | Outer_Full | NV | -10 | 18.000000 | 0.005143 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | M | Outer_Full | NV | 0   | 2.000000  | 0.000571 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | M | Outer_Full | NV | 10  | 5.000000  | 0.001429 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | M | Outer_Full | NV | 20  | 4.000000  | 0.001143 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | M | Outer_Full | NV | 30  | 7.000000  | 0.002000 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | M | Outer_Full | NV | 40  | 13.000000 | 0.003714 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | M | Outer_Full | NV | 50  | 13.000000 | 0.003714 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | M | Outer_Full | NV | -30 | 11.000000 | 0.003143 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | M | Outer_Full | NV | -20 | 11.000000 | 0.003143 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | M | Outer_Full | NV | -10 | 16.000000 | 0.004571 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | M | Outer_Full | NV | 0   | 7.000000  | 0.002000 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | M | Outer_Full | NV | 10  | 13.000000 | 0.003714 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | M | Outer_Full | NV | 20  | 13.000000 | 0.003714 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | M | Outer_Full | NV | 30  | 12.000000 | 0.003429 | PASS |
| N77-345           | 30 | 15 | DFT-16QAM | M | Outer_Full | NV | 40  | 3.000000  | 0.000857 | PASS |

|                   |    |    |           |   |            |    |     |           |          |      |
|-------------------|----|----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | M | Outer_Full | NV | 50  | 8.000000  | 0.002286 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | H | Outer_Full | NV | -30 | 2.000000  | 0.000565 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | H | Outer_Full | NV | -20 | 5.000000  | 0.001411 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | H | Outer_Full | NV | -10 | 14.000000 | 0.003952 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | H | Outer_Full | NV | 0   | 15.000000 | 0.004234 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | H | Outer_Full | NV | 10  | 6.000000  | 0.001694 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | H | Outer_Full | NV | 20  | 9.000000  | 0.002541 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | H | Outer_Full | NV | 30  | 14.000000 | 0.003952 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | H | Outer_Full | NV | 40  | 17.000000 | 0.004799 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-QPSK  | H | Outer_Full | NV | 50  | 11.000000 | 0.003105 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | H | Outer_Full | NV | -30 | 1.000000  | 0.000282 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | H | Outer_Full | NV | -20 | 1.000000  | 0.000282 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | H | Outer_Full | NV | -10 | 10.000000 | 0.002823 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | H | Outer_Full | NV | 0   | 17.000000 | 0.004799 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | H | Outer_Full | NV | 10  | 16.000000 | 0.004517 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | H | Outer_Full | NV | 20  | 12.000000 | 0.003387 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | H | Outer_Full | NV | 30  | 11.000000 | 0.003105 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | H | Outer_Full | NV | 40  | 11.000000 | 0.003105 | PASS |
| N77-345<br>0-3550 | 30 | 15 | DFT-16QAM | H | Outer_Full | NV | 50  | 17.000000 | 0.004799 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | L | Outer_Full | NV | -30 | 6.000000  | 0.001734 | PASS |
| N77-345           | 30 | 20 | DFT-QPSK  | L | Outer_Full | NV | -20 | 11.000000 | 0.003179 | PASS |

|                   |    |    |           |   |            |    |     |           |          |      |
|-------------------|----|----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | L | Outer_Full | NV | -10 | 14.000000 | 0.004046 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | L | Outer_Full | NV | 0   | 9.000000  | 0.002601 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | L | Outer_Full | NV | 10  | 18.000000 | 0.005202 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | L | Outer_Full | NV | 20  | 12.000000 | 0.003468 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | L | Outer_Full | NV | 30  | 12.000000 | 0.003468 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | L | Outer_Full | NV | 40  | 15.000000 | 0.004335 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | L | Outer_Full | NV | 50  | 2.000000  | 0.000578 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | L | Outer_Full | NV | -30 | 15.000000 | 0.004335 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | L | Outer_Full | NV | -20 | 2.000000  | 0.000578 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | L | Outer_Full | NV | -10 | 14.000000 | 0.004046 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | L | Outer_Full | NV | 0   | 5.000000  | 0.001445 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | L | Outer_Full | NV | 10  | 10.000000 | 0.002890 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | L | Outer_Full | NV | 20  | 16.000000 | 0.004624 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | L | Outer_Full | NV | 30  | 9.000000  | 0.002601 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | L | Outer_Full | NV | 40  | 6.000000  | 0.001734 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | L | Outer_Full | NV | 50  | 5.000000  | 0.001445 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | M | Outer_Full | NV | -30 | 4.000000  | 0.001143 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | M | Outer_Full | NV | -20 | 3.000000  | 0.000857 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | M | Outer_Full | NV | -10 | 1.000000  | 0.000286 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | M | Outer_Full | NV | 0   | 4.000000  | 0.001143 | PASS |
| N77-345           | 30 | 20 | DFT-QPSK  | M | Outer_Full | NV | 10  | 6.000000  | 0.001714 | PASS |

|                   |    |    |           |   |            |    |     |           |          |      |
|-------------------|----|----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | M | Outer_Full | NV | 20  | 4.000000  | 0.001143 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | M | Outer_Full | NV | 30  | 9.000000  | 0.002571 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | M | Outer_Full | NV | 40  | 15.000000 | 0.004286 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | M | Outer_Full | NV | 50  | 3.000000  | 0.000857 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | M | Outer_Full | NV | -30 | 10.000000 | 0.002857 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | M | Outer_Full | NV | -20 | 1.000000  | 0.000286 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | M | Outer_Full | NV | -10 | 6.000000  | 0.001714 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | M | Outer_Full | NV | 0   | 6.000000  | 0.001714 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | M | Outer_Full | NV | 10  | 15.000000 | 0.004286 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | M | Outer_Full | NV | 20  | 15.000000 | 0.004286 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | M | Outer_Full | NV | 30  | 2.000000  | 0.000571 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | M | Outer_Full | NV | 40  | 15.000000 | 0.004286 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | M | Outer_Full | NV | 50  | 2.000000  | 0.000571 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | H | Outer_Full | NV | -30 | 15.000000 | 0.004237 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | H | Outer_Full | NV | -20 | 3.000000  | 0.000847 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | H | Outer_Full | NV | -10 | 9.000000  | 0.002542 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | H | Outer_Full | NV | 0   | 19.000000 | 0.005367 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | H | Outer_Full | NV | 10  | 9.000000  | 0.002542 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | H | Outer_Full | NV | 20  | 12.000000 | 0.003390 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | H | Outer_Full | NV | 30  | 18.000000 | 0.005085 | PASS |
| N77-345           | 30 | 20 | DFT-QPSK  | H | Outer_Full | NV | 40  | 15.000000 | 0.004237 | PASS |

|                   |    |    |           |   |            |    |     |           |          |      |
|-------------------|----|----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 20 | DFT-QPSK  | H | Outer_Full | NV | 50  | 14.000000 | 0.003955 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | H | Outer_Full | NV | -30 | 9.000000  | 0.002542 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | H | Outer_Full | NV | -20 | 9.000000  | 0.002542 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | H | Outer_Full | NV | -10 | 18.000000 | 0.005085 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | H | Outer_Full | NV | 0   | 13.000000 | 0.003672 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | H | Outer_Full | NV | 10  | 4.000000  | 0.001130 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | H | Outer_Full | NV | 20  | 4.000000  | 0.001130 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | H | Outer_Full | NV | 30  | 10.000000 | 0.002825 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | H | Outer_Full | NV | 40  | 8.000000  | 0.002260 | PASS |
| N77-345<br>0-3550 | 30 | 20 | DFT-16QAM | H | Outer_Full | NV | 50  | 18.000000 | 0.005085 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | L | Outer_Full | NV | -30 | 14.000000 | 0.004040 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | L | Outer_Full | NV | -20 | 14.000000 | 0.004040 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | L | Outer_Full | NV | -10 | 1.000000  | 0.000289 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | L | Outer_Full | NV | 0   | 11.000000 | 0.003175 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | L | Outer_Full | NV | 10  | 16.000000 | 0.004618 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | L | Outer_Full | NV | 20  | 7.000000  | 0.002020 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | L | Outer_Full | NV | 30  | 13.000000 | 0.003752 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | L | Outer_Full | NV | 40  | 18.000000 | 0.005195 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | L | Outer_Full | NV | 50  | 4.000000  | 0.001154 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | L | Outer_Full | NV | -30 | 10.000000 | 0.002886 | PASS |
| N77-345           | 30 | 30 | DFT-16QAM | L | Outer_Full | NV | -20 | 17.000000 | 0.004906 | PASS |

|                   |    |    |           |   |            |    |     |           |          |      |
|-------------------|----|----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | L | Outer_Full | NV | -10 | 12.000000 | 0.003463 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | L | Outer_Full | NV | 0   | 10.000000 | 0.002886 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | L | Outer_Full | NV | 10  | 10.000000 | 0.002886 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | L | Outer_Full | NV | 20  | 16.000000 | 0.004618 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | L | Outer_Full | NV | 30  | 7.000000  | 0.002020 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | L | Outer_Full | NV | 40  | 10.000000 | 0.002886 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | L | Outer_Full | NV | 50  | 13.000000 | 0.003752 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | M | Outer_Full | NV | -30 | 9.000000  | 0.002571 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | M | Outer_Full | NV | -20 | 7.000000  | 0.002000 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | M | Outer_Full | NV | -10 | 9.000000  | 0.002571 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | M | Outer_Full | NV | 0   | 14.000000 | 0.004000 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | M | Outer_Full | NV | 10  | 2.000000  | 0.000571 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | M | Outer_Full | NV | 20  | 8.000000  | 0.002286 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | M | Outer_Full | NV | 30  | 11.000000 | 0.003143 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | M | Outer_Full | NV | 40  | 17.000000 | 0.004857 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | M | Outer_Full | NV | 50  | 15.000000 | 0.004286 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | M | Outer_Full | NV | -30 | 15.000000 | 0.004286 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | M | Outer_Full | NV | -20 | 6.000000  | 0.001714 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | M | Outer_Full | NV | -10 | 12.000000 | 0.003429 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | M | Outer_Full | NV | 0   | 7.000000  | 0.002000 | PASS |
| N77-345           | 30 | 30 | DFT-16QAM | M | Outer_Full | NV | 10  | 12.000000 | 0.003429 | PASS |

|                   |    |    |           |   |            |    |     |           |          |      |
|-------------------|----|----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | M | Outer_Full | NV | 20  | 10.000000 | 0.002857 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | M | Outer_Full | NV | 30  | 1.000000  | 0.000286 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | M | Outer_Full | NV | 40  | 7.000000  | 0.002000 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | M | Outer_Full | NV | 50  | 7.000000  | 0.002000 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | H | Outer_Full | NV | -30 | 17.000000 | 0.004809 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | H | Outer_Full | NV | -20 | 3.000000  | 0.000849 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | H | Outer_Full | NV | -10 | 6.000000  | 0.001697 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | H | Outer_Full | NV | 0   | 19.000000 | 0.005375 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | H | Outer_Full | NV | 10  | 6.000000  | 0.001697 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | H | Outer_Full | NV | 20  | 12.000000 | 0.003395 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | H | Outer_Full | NV | 30  | 7.000000  | 0.001980 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | H | Outer_Full | NV | 40  | 5.000000  | 0.001414 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-QPSK  | H | Outer_Full | NV | 50  | 19.000000 | 0.005375 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | H | Outer_Full | NV | -30 | 10.000000 | 0.002829 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | H | Outer_Full | NV | -20 | 17.000000 | 0.004809 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | H | Outer_Full | NV | -10 | 4.000000  | 0.001132 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | H | Outer_Full | NV | 0   | 2.000000  | 0.000566 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | H | Outer_Full | NV | 10  | 12.000000 | 0.003395 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | H | Outer_Full | NV | 20  | 11.000000 | 0.003112 | PASS |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | H | Outer_Full | NV | 30  | 18.000000 | 0.005092 | PASS |
| N77-345           | 30 | 30 | DFT-16QAM | H | Outer_Full | NV | 40  | 4.000000  | 0.001132 | PASS |

|                   |    |    |           |   |            |    |     |           |          |      |
|-------------------|----|----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 30 | DFT-16QAM | H | Outer_Full | NV | 50  | 9.000000  | 0.002546 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | L | Outer_Full | NV | -30 | 16.000000 | 0.004611 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | L | Outer_Full | NV | -20 | 14.000000 | 0.004035 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | L | Outer_Full | NV | -10 | 5.000000  | 0.001441 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | L | Outer_Full | NV | 0   | 11.000000 | 0.003170 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | L | Outer_Full | NV | 10  | 4.000000  | 0.001153 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | L | Outer_Full | NV | 20  | 10.000000 | 0.002882 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | L | Outer_Full | NV | 30  | 8.000000  | 0.002305 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | L | Outer_Full | NV | 40  | 15.000000 | 0.004323 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | L | Outer_Full | NV | 50  | 5.000000  | 0.001441 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | L | Outer_Full | NV | -30 | 13.000000 | 0.003746 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | L | Outer_Full | NV | -20 | 8.000000  | 0.002305 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | L | Outer_Full | NV | -10 | 14.000000 | 0.004035 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | L | Outer_Full | NV | 0   | 14.000000 | 0.004035 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | L | Outer_Full | NV | 10  | 1.000000  | 0.000288 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | L | Outer_Full | NV | 20  | 6.000000  | 0.001729 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | L | Outer_Full | NV | 30  | 11.000000 | 0.003170 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | L | Outer_Full | NV | 40  | 18.000000 | 0.005187 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | L | Outer_Full | NV | 50  | 5.000000  | 0.001441 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | M | Outer_Full | NV | -30 | 6.000000  | 0.001714 | PASS |
| N77-345           | 30 | 40 | DFT-QPSK  | M | Outer_Full | NV | -20 | 4.000000  | 0.001143 | PASS |

|                   |    |    |           |   |            |    |     |           |          |      |
|-------------------|----|----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | M | Outer_Full | NV | -10 | 10.000000 | 0.002857 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | M | Outer_Full | NV | 0   | 12.000000 | 0.003429 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | M | Outer_Full | NV | 10  | 17.000000 | 0.004857 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | M | Outer_Full | NV | 20  | 1.000000  | 0.000286 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | M | Outer_Full | NV | 30  | 3.000000  | 0.000857 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | M | Outer_Full | NV | 40  | 3.000000  | 0.000857 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | M | Outer_Full | NV | 50  | 9.000000  | 0.002571 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | M | Outer_Full | NV | -30 | 17.000000 | 0.004857 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | M | Outer_Full | NV | -20 | 8.000000  | 0.002286 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | M | Outer_Full | NV | -10 | 14.000000 | 0.004000 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | M | Outer_Full | NV | 0   | 18.000000 | 0.005143 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | M | Outer_Full | NV | 10  | 15.000000 | 0.004286 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | M | Outer_Full | NV | 20  | 13.000000 | 0.003714 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | M | Outer_Full | NV | 30  | 16.000000 | 0.004571 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | M | Outer_Full | NV | 40  | 3.000000  | 0.000857 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | M | Outer_Full | NV | 50  | 10.000000 | 0.002857 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | H | Outer_Full | NV | -30 | 4.000000  | 0.001133 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | H | Outer_Full | NV | -20 | 4.000000  | 0.001133 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | H | Outer_Full | NV | -10 | 10.000000 | 0.002833 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | H | Outer_Full | NV | 0   | 17.000000 | 0.004816 | PASS |
| N77-345           | 30 | 40 | DFT-QPSK  | H | Outer_Full | NV | 10  | 17.000000 | 0.004816 | PASS |

|                   |    |    |           |   |            |    |     |           |          |      |
|-------------------|----|----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | H | Outer_Full | NV | 20  | 9.000000  | 0.002550 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | H | Outer_Full | NV | 30  | 14.000000 | 0.003966 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | H | Outer_Full | NV | 40  | 14.000000 | 0.003966 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-QPSK  | H | Outer_Full | NV | 50  | 1.000000  | 0.000283 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | H | Outer_Full | NV | -30 | 2.000000  | 0.000567 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | H | Outer_Full | NV | -20 | 12.000000 | 0.003399 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | H | Outer_Full | NV | -10 | 12.000000 | 0.003399 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | H | Outer_Full | NV | 0   | 18.000000 | 0.005099 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | H | Outer_Full | NV | 10  | 2.000000  | 0.000567 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | H | Outer_Full | NV | 20  | 8.000000  | 0.002266 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | H | Outer_Full | NV | 30  | 13.000000 | 0.003683 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | H | Outer_Full | NV | 40  | 17.000000 | 0.004816 | PASS |
| N77-345<br>0-3550 | 30 | 40 | DFT-16QAM | H | Outer_Full | NV | 50  | 4.000000  | 0.001133 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | L | Outer_Full | NV | -30 | 19.000000 | 0.005468 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | L | Outer_Full | NV | -20 | 14.000000 | 0.004028 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | L | Outer_Full | NV | -10 | 19.000000 | 0.005468 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | L | Outer_Full | NV | 0   | 11.000000 | 0.003165 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | L | Outer_Full | NV | 10  | 5.000000  | 0.001439 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | L | Outer_Full | NV | 20  | 4.000000  | 0.001151 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | L | Outer_Full | NV | 30  | 17.000000 | 0.004892 | PASS |
| N77-345           | 30 | 50 | DFT-QPSK  | L | Outer_Full | NV | 40  | 18.000000 | 0.005180 | PASS |

|                   |    |    |           |   |            |    |     |           |          |      |
|-------------------|----|----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | L | Outer_Full | NV | 50  | 5.000000  | 0.001439 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | L | Outer_Full | NV | -30 | 3.000000  | 0.000863 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | L | Outer_Full | NV | -20 | 3.000000  | 0.000863 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | L | Outer_Full | NV | -10 | 9.000000  | 0.002590 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | L | Outer_Full | NV | 0   | 19.000000 | 0.005468 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | L | Outer_Full | NV | 10  | 5.000000  | 0.001439 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | L | Outer_Full | NV | 20  | 4.000000  | 0.001151 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | L | Outer_Full | NV | 30  | 9.000000  | 0.002590 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | L | Outer_Full | NV | 40  | 16.000000 | 0.004604 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | L | Outer_Full | NV | 50  | 3.000000  | 0.000863 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | M | Outer_Full | NV | -30 | 17.000000 | 0.004857 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | M | Outer_Full | NV | -20 | 4.000000  | 0.001143 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | M | Outer_Full | NV | -10 | 4.000000  | 0.001143 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | M | Outer_Full | NV | 0   | 14.000000 | 0.004000 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | M | Outer_Full | NV | 10  | 19.000000 | 0.005429 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | M | Outer_Full | NV | 20  | 11.000000 | 0.003143 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | M | Outer_Full | NV | 30  | 17.000000 | 0.004857 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | M | Outer_Full | NV | 40  | 18.000000 | 0.005143 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | M | Outer_Full | NV | 50  | 2.000000  | 0.000571 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | M | Outer_Full | NV | -30 | 10.000000 | 0.002857 | PASS |
| N77-345           | 30 | 50 | DFT-16QAM | M | Outer_Full | NV | -20 | 1.000000  | 0.000286 | PASS |

|                   |    |    |           |   |            |    |     |           |          |      |
|-------------------|----|----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | M | Outer_Full | NV | -10 | 4.000000  | 0.001143 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | M | Outer_Full | NV | 0   | 2.000000  | 0.000571 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | M | Outer_Full | NV | 10  | 12.000000 | 0.003429 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | M | Outer_Full | NV | 20  | 17.000000 | 0.004857 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | M | Outer_Full | NV | 30  | 16.000000 | 0.004571 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | M | Outer_Full | NV | 40  | 3.000000  | 0.000857 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | M | Outer_Full | NV | 50  | 9.000000  | 0.002571 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | H | Outer_Full | NV | -30 | 3.000000  | 0.000851 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | H | Outer_Full | NV | -20 | 3.000000  | 0.000851 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | H | Outer_Full | NV | -10 | 8.000000  | 0.002270 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | H | Outer_Full | NV | 0   | 18.000000 | 0.005106 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | H | Outer_Full | NV | 10  | 3.000000  | 0.000851 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | H | Outer_Full | NV | 20  | 9.000000  | 0.002553 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | H | Outer_Full | NV | 30  | 14.000000 | 0.003972 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | H | Outer_Full | NV | 40  | 14.000000 | 0.003972 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-QPSK  | H | Outer_Full | NV | 50  | 19.000000 | 0.005390 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | H | Outer_Full | NV | -30 | 11.000000 | 0.003121 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | H | Outer_Full | NV | -20 | 17.000000 | 0.004823 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | H | Outer_Full | NV | -10 | 19.000000 | 0.005390 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | H | Outer_Full | NV | 0   | 6.000000  | 0.001702 | PASS |
| N77-345           | 30 | 50 | DFT-16QAM | H | Outer_Full | NV | 10  | 12.000000 | 0.003404 | PASS |

|                   |    |    |           |   |            |    |     |           |          |      |
|-------------------|----|----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | H | Outer_Full | NV | 20  | 8.000000  | 0.002270 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | H | Outer_Full | NV | 30  | 18.000000 | 0.005106 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | H | Outer_Full | NV | 40  | 1.000000  | 0.000284 | PASS |
| N77-345<br>0-3550 | 30 | 50 | DFT-16QAM | H | Outer_Full | NV | 50  | 6.000000  | 0.001702 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | L | Outer_Full | NV | -30 | 10.000000 | 0.002874 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | L | Outer_Full | NV | -20 | 17.000000 | 0.004885 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | L | Outer_Full | NV | -10 | 10.000000 | 0.002874 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | L | Outer_Full | NV | 0   | 7.000000  | 0.002011 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | L | Outer_Full | NV | 10  | 13.000000 | 0.003736 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | L | Outer_Full | NV | 20  | 18.000000 | 0.005172 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | L | Outer_Full | NV | 30  | 2.000000  | 0.000575 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | L | Outer_Full | NV | 40  | 8.000000  | 0.002299 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | L | Outer_Full | NV | 50  | 13.000000 | 0.003736 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | L | Outer_Full | NV | -30 | 5.000000  | 0.001437 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | L | Outer_Full | NV | -20 | 15.000000 | 0.004310 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | L | Outer_Full | NV | -10 | 2.000000  | 0.000575 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | L | Outer_Full | NV | 0   | 19.000000 | 0.005460 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | L | Outer_Full | NV | 10  | 7.000000  | 0.002011 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | L | Outer_Full | NV | 20  | 17.000000 | 0.004885 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | L | Outer_Full | NV | 30  | 15.000000 | 0.004310 | PASS |
| N77-345           | 30 | 60 | DFT-16QAM | L | Outer_Full | NV | 40  | 19.000000 | 0.005460 | PASS |

|                   |    |    |           |   |            |    |     |           |          |      |
|-------------------|----|----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | L | Outer_Full | NV | 50  | 6.000000  | 0.001724 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | M | Outer_Full | NV | -30 | 4.000000  | 0.001143 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | M | Outer_Full | NV | -20 | 4.000000  | 0.001143 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | M | Outer_Full | NV | -10 | 16.000000 | 0.004571 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | M | Outer_Full | NV | 0   | 14.000000 | 0.004000 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | M | Outer_Full | NV | 10  | 2.000000  | 0.000571 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | M | Outer_Full | NV | 20  | 4.000000  | 0.001143 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | M | Outer_Full | NV | 30  | 2.000000  | 0.000571 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | M | Outer_Full | NV | 40  | 5.000000  | 0.001429 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | M | Outer_Full | NV | 50  | 7.000000  | 0.002000 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | M | Outer_Full | NV | -30 | 6.000000  | 0.001714 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | M | Outer_Full | NV | -20 | 13.000000 | 0.003714 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | M | Outer_Full | NV | -10 | 1.000000  | 0.000286 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | M | Outer_Full | NV | 0   | 7.000000  | 0.002000 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | M | Outer_Full | NV | 10  | 5.000000  | 0.001429 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | M | Outer_Full | NV | 20  | 12.000000 | 0.003429 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | M | Outer_Full | NV | 30  | 18.000000 | 0.005143 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | M | Outer_Full | NV | 40  | 16.000000 | 0.004571 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | M | Outer_Full | NV | 50  | 16.000000 | 0.004571 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | H | Outer_Full | NV | -30 | 5.000000  | 0.001420 | PASS |
| N77-345           | 30 | 60 | DFT-QPSK  | H | Outer_Full | NV | -20 | 19.000000 | 0.005398 | PASS |

|                   |    |    |           |   |            |    |     |           |          |      |
|-------------------|----|----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | H | Outer_Full | NV | -10 | 6.000000  | 0.001705 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | H | Outer_Full | NV | 0   | 6.000000  | 0.001705 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | H | Outer_Full | NV | 10  | 19.000000 | 0.005398 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | H | Outer_Full | NV | 20  | 10.000000 | 0.002841 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | H | Outer_Full | NV | 30  | 4.000000  | 0.001136 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | H | Outer_Full | NV | 40  | 9.000000  | 0.002557 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-QPSK  | H | Outer_Full | NV | 50  | 12.000000 | 0.003409 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | H | Outer_Full | NV | -30 | 6.000000  | 0.001705 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | H | Outer_Full | NV | -20 | 5.000000  | 0.001420 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | H | Outer_Full | NV | -10 | 14.000000 | 0.003976 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | H | Outer_Full | NV | 0   | 1.000000  | 0.000284 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | H | Outer_Full | NV | 10  | 15.000000 | 0.004261 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | H | Outer_Full | NV | 20  | 15.000000 | 0.004261 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | H | Outer_Full | NV | 30  | 1.000000  | 0.000284 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | H | Outer_Full | NV | 40  | 8.000000  | 0.002273 | PASS |
| N77-345<br>0-3550 | 30 | 60 | DFT-16QAM | H | Outer_Full | NV | 50  | 13.000000 | 0.003693 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | L | Outer_Full | NV | -30 | 5.000000  | 0.001435 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | L | Outer_Full | NV | -20 | 5.000000  | 0.001435 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | L | Outer_Full | NV | -10 | 17.000000 | 0.004878 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | L | Outer_Full | NV | 0   | 3.000000  | 0.000861 | PASS |
| N77-345           | 30 | 70 | DFT-QPSK  | L | Outer_Full | NV | 10  | 1.000000  | 0.000287 | PASS |

|                   |    |    |           |   |            |    |     |           |          |      |
|-------------------|----|----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | L | Outer_Full | NV | 20  | 19.000000 | 0.005452 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | L | Outer_Full | NV | 30  | 14.000000 | 0.004016 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | L | Outer_Full | NV | 40  | 1.000000  | 0.000287 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | L | Outer_Full | NV | 50  | 3.000000  | 0.000861 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | L | Outer_Full | NV | -30 | 7.000000  | 0.002009 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | L | Outer_Full | NV | -20 | 13.000000 | 0.003730 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | L | Outer_Full | NV | -10 | 6.000000  | 0.001722 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | L | Outer_Full | NV | 0   | 1.000000  | 0.000287 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | L | Outer_Full | NV | 10  | 14.000000 | 0.004016 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | L | Outer_Full | NV | 20  | 5.000000  | 0.001435 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | L | Outer_Full | NV | 30  | 10.000000 | 0.002869 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | L | Outer_Full | NV | 40  | 12.000000 | 0.003443 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | L | Outer_Full | NV | 50  | 11.000000 | 0.003156 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | M | Outer_Full | NV | -30 | 13.000000 | 0.003714 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | M | Outer_Full | NV | -20 | 8.000000  | 0.002286 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | M | Outer_Full | NV | -10 | 1.000000  | 0.000286 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | M | Outer_Full | NV | 0   | 2.000000  | 0.000571 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | M | Outer_Full | NV | 10  | 12.000000 | 0.003429 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | M | Outer_Full | NV | 20  | 12.000000 | 0.003429 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | M | Outer_Full | NV | 30  | 6.000000  | 0.001714 | PASS |
| N77-345           | 30 | 70 | DFT-QPSK  | M | Outer_Full | NV | 40  | 10.000000 | 0.002857 | PASS |

|                   |    |    |           |   |            |    |     |           |          |      |
|-------------------|----|----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | M | Outer_Full | NV | 50  | 1.000000  | 0.000286 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | M | Outer_Full | NV | -30 | 4.000000  | 0.001143 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | M | Outer_Full | NV | -20 | 14.000000 | 0.004000 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | M | Outer_Full | NV | -10 | 16.000000 | 0.004571 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | M | Outer_Full | NV | 0   | 15.000000 | 0.004286 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | M | Outer_Full | NV | 10  | 15.000000 | 0.004286 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | M | Outer_Full | NV | 20  | 3.000000  | 0.000857 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | M | Outer_Full | NV | 30  | 9.000000  | 0.002571 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | M | Outer_Full | NV | 40  | 14.000000 | 0.004000 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | M | Outer_Full | NV | 50  | 3.000000  | 0.000857 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | H | Outer_Full | NV | -30 | 8.000000  | 0.002276 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | H | Outer_Full | NV | -20 | 14.000000 | 0.003983 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | H | Outer_Full | NV | -10 | 12.000000 | 0.003414 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | H | Outer_Full | NV | 0   | 15.000000 | 0.004267 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | H | Outer_Full | NV | 10  | 13.000000 | 0.003698 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | H | Outer_Full | NV | 20  | 13.000000 | 0.003698 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | H | Outer_Full | NV | 30  | 1.000000  | 0.000284 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | H | Outer_Full | NV | 40  | 7.000000  | 0.001991 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-QPSK  | H | Outer_Full | NV | 50  | 13.000000 | 0.003698 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | H | Outer_Full | NV | -30 | 13.000000 | 0.003698 | PASS |
| N77-345           | 30 | 70 | DFT-16QAM | H | Outer_Full | NV | -20 | 8.000000  | 0.002276 | PASS |

|                   |    |    |           |   |            |    |     |           |          |      |
|-------------------|----|----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | H | Outer_Full | NV | -10 | 8.000000  | 0.002276 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | H | Outer_Full | NV | 0   | 15.000000 | 0.004267 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | H | Outer_Full | NV | 10  | 2.000000  | 0.000569 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | H | Outer_Full | NV | 20  | 7.000000  | 0.001991 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | H | Outer_Full | NV | 30  | 7.000000  | 0.001991 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | H | Outer_Full | NV | 40  | 14.000000 | 0.003983 | PASS |
| N77-345<br>0-3550 | 30 | 70 | DFT-16QAM | H | Outer_Full | NV | 50  | 7.000000  | 0.001991 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | L | Outer_Full | NV | -30 | 1.000000  | 0.000287 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | L | Outer_Full | NV | -20 | 8.000000  | 0.002292 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | L | Outer_Full | NV | -10 | 5.000000  | 0.001433 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | L | Outer_Full | NV | 0   | 3.000000  | 0.000860 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | L | Outer_Full | NV | 10  | 3.000000  | 0.000860 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | L | Outer_Full | NV | 20  | 10.000000 | 0.002865 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | L | Outer_Full | NV | 30  | 3.000000  | 0.000860 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | L | Outer_Full | NV | 40  | 3.000000  | 0.000860 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | L | Outer_Full | NV | 50  | 13.000000 | 0.003725 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | L | Outer_Full | NV | -30 | 12.000000 | 0.003438 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | L | Outer_Full | NV | -20 | 12.000000 | 0.003438 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | L | Outer_Full | NV | -10 | 13.000000 | 0.003725 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | L | Outer_Full | NV | 0   | 16.000000 | 0.004585 | PASS |
| N77-345           | 30 | 80 | DFT-16QAM | L | Outer_Full | NV | 10  | 2.000000  | 0.000573 | PASS |

|                   |    |    |           |   |            |    |     |           |          |      |
|-------------------|----|----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | L | Outer_Full | NV | 20  | 9.000000  | 0.002579 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | L | Outer_Full | NV | 30  | 16.000000 | 0.004585 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | L | Outer_Full | NV | 40  | 7.000000  | 0.002006 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | L | Outer_Full | NV | 50  | 5.000000  | 0.001433 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | M | Outer_Full | NV | -30 | 3.000000  | 0.000857 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | M | Outer_Full | NV | -20 | 1.000000  | 0.000286 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | M | Outer_Full | NV | -10 | 8.000000  | 0.002286 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | M | Outer_Full | NV | 0   | 2.000000  | 0.000571 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | M | Outer_Full | NV | 10  | 15.000000 | 0.004286 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | M | Outer_Full | NV | 20  | 13.000000 | 0.003714 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | M | Outer_Full | NV | 30  | 2.000000  | 0.000571 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | M | Outer_Full | NV | 40  | 19.000000 | 0.005429 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | M | Outer_Full | NV | 50  | 11.000000 | 0.003143 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | M | Outer_Full | NV | -30 | 2.000000  | 0.000571 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | M | Outer_Full | NV | -20 | 8.000000  | 0.002286 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | M | Outer_Full | NV | -10 | 11.000000 | 0.003143 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | M | Outer_Full | NV | 0   | 16.000000 | 0.004571 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | M | Outer_Full | NV | 10  | 16.000000 | 0.004571 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | M | Outer_Full | NV | 20  | 16.000000 | 0.004571 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | M | Outer_Full | NV | 30  | 3.000000  | 0.000857 | PASS |
| N77-345           | 30 | 80 | DFT-16QAM | M | Outer_Full | NV | 40  | 5.000000  | 0.001429 | PASS |

|                   |    |    |           |   |            |    |     |           |          |      |
|-------------------|----|----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | M | Outer_Full | NV | 50  | 12.000000 | 0.003429 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | H | Outer_Full | NV | -30 | 19.000000 | 0.005413 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | H | Outer_Full | NV | -20 | 5.000000  | 0.001425 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | H | Outer_Full | NV | -10 | 18.000000 | 0.005128 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | H | Outer_Full | NV | 0   | 9.000000  | 0.002564 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | H | Outer_Full | NV | 10  | 15.000000 | 0.004274 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | H | Outer_Full | NV | 20  | 18.000000 | 0.005128 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | H | Outer_Full | NV | 30  | 9.000000  | 0.002564 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | H | Outer_Full | NV | 40  | 6.000000  | 0.001709 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-QPSK  | H | Outer_Full | NV | 50  | 2.000000  | 0.000570 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | H | Outer_Full | NV | -30 | 1.000000  | 0.000285 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | H | Outer_Full | NV | -20 | 7.000000  | 0.001994 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | H | Outer_Full | NV | -10 | 12.000000 | 0.003419 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | H | Outer_Full | NV | 0   | 17.000000 | 0.004843 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | H | Outer_Full | NV | 10  | 15.000000 | 0.004274 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | H | Outer_Full | NV | 20  | 17.000000 | 0.004843 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | H | Outer_Full | NV | 30  | 16.000000 | 0.004558 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | H | Outer_Full | NV | 40  | 6.000000  | 0.001709 | PASS |
| N77-345<br>0-3550 | 30 | 80 | DFT-16QAM | H | Outer_Full | NV | 50  | 5.000000  | 0.001425 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-QPSK  | L | Outer_Full | NV | -30 | 7.000000  | 0.002003 | PASS |
| N77-345           | 30 | 90 | DFT-QPSK  | L | Outer_Full | NV | -20 | 13.000000 | 0.003720 | PASS |

|                   |    |    |           |   |            |    |     |           |          |      |
|-------------------|----|----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 90 | DFT-QPSK  | L | Outer_Full | NV | -10 | 5.000000  | 0.001431 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-QPSK  | L | Outer_Full | NV | 0   | 17.000000 | 0.004864 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-QPSK  | L | Outer_Full | NV | 10  | 19.000000 | 0.005436 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-QPSK  | L | Outer_Full | NV | 20  | 17.000000 | 0.004864 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-QPSK  | L | Outer_Full | NV | 30  | 7.000000  | 0.002003 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-QPSK  | L | Outer_Full | NV | 40  | 13.000000 | 0.003720 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-QPSK  | L | Outer_Full | NV | 50  | 1.000000  | 0.000286 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-16QAM | L | Outer_Full | NV | -30 | 2.000000  | 0.000572 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-16QAM | L | Outer_Full | NV | -20 | 14.000000 | 0.004006 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-16QAM | L | Outer_Full | NV | -10 | 12.000000 | 0.003433 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-16QAM | L | Outer_Full | NV | 0   | 8.000000  | 0.002289 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-16QAM | L | Outer_Full | NV | 10  | 6.000000  | 0.001717 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-16QAM | L | Outer_Full | NV | 20  | 8.000000  | 0.002289 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-16QAM | L | Outer_Full | NV | 30  | 6.000000  | 0.001717 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-16QAM | L | Outer_Full | NV | 40  | 11.000000 | 0.003147 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-16QAM | L | Outer_Full | NV | 50  | 18.000000 | 0.005150 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-QPSK  | M | Outer_Full | NV | -30 | 18.000000 | 0.005143 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-QPSK  | M | Outer_Full | NV | -20 | 4.000000  | 0.001143 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-QPSK  | M | Outer_Full | NV | -10 | 11.000000 | 0.003143 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-QPSK  | M | Outer_Full | NV | 0   | 18.000000 | 0.005143 | PASS |
| N77-345           | 30 | 90 | DFT-QPSK  | M | Outer_Full | NV | 10  | 11.000000 | 0.003143 | PASS |

|                   |    |    |           |   |            |    |     |           |          |      |
|-------------------|----|----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |    |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 90 | DFT-QPSK  | M | Outer_Full | NV | 20  | 7.000000  | 0.002000 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-QPSK  | M | Outer_Full | NV | 30  | 9.000000  | 0.002571 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-QPSK  | M | Outer_Full | NV | 40  | 15.000000 | 0.004286 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-QPSK  | M | Outer_Full | NV | 50  | 10.000000 | 0.002857 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-16QAM | M | Outer_Full | NV | -30 | 18.000000 | 0.005143 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-16QAM | M | Outer_Full | NV | -20 | 12.000000 | 0.003429 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-16QAM | M | Outer_Full | NV | -10 | 17.000000 | 0.004857 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-16QAM | M | Outer_Full | NV | 0   | 3.000000  | 0.000857 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-16QAM | M | Outer_Full | NV | 10  | 6.000000  | 0.001714 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-16QAM | M | Outer_Full | NV | 20  | 4.000000  | 0.001143 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-16QAM | M | Outer_Full | NV | 30  | 7.000000  | 0.002000 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-16QAM | M | Outer_Full | NV | 40  | 8.000000  | 0.002286 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-16QAM | M | Outer_Full | NV | 50  | 3.000000  | 0.000857 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-QPSK  | H | Outer_Full | NV | -30 | 5.000000  | 0.001427 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-QPSK  | H | Outer_Full | NV | -20 | 4.000000  | 0.001141 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-QPSK  | H | Outer_Full | NV | -10 | 17.000000 | 0.004850 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-QPSK  | H | Outer_Full | NV | 0   | 14.000000 | 0.003994 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-QPSK  | H | Outer_Full | NV | 10  | 16.000000 | 0.004565 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-QPSK  | H | Outer_Full | NV | 20  | 2.000000  | 0.000571 | PASS |
| N77-345<br>0-3550 | 30 | 90 | DFT-QPSK  | H | Outer_Full | NV | 30  | 9.000000  | 0.002568 | PASS |
| N77-345           | 30 | 90 | DFT-QPSK  | H | Outer_Full | NV | 40  | 16.000000 | 0.004565 | PASS |

|                   |    |     |           |   |            |    |     |           |          |      |
|-------------------|----|-----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |     |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 90  | DFT-QPSK  | H | Outer_Full | NV | 50  | 9.000000  | 0.002568 | PASS |
| N77-345<br>0-3550 | 30 | 90  | DFT-16QAM | H | Outer_Full | NV | -30 | 11.000000 | 0.003138 | PASS |
| N77-345<br>0-3550 | 30 | 90  | DFT-16QAM | H | Outer_Full | NV | -20 | 5.000000  | 0.001427 | PASS |
| N77-345<br>0-3550 | 30 | 90  | DFT-16QAM | H | Outer_Full | NV | -10 | 17.000000 | 0.004850 | PASS |
| N77-345<br>0-3550 | 30 | 90  | DFT-16QAM | H | Outer_Full | NV | 0   | 16.000000 | 0.004565 | PASS |
| N77-345<br>0-3550 | 30 | 90  | DFT-16QAM | H | Outer_Full | NV | 10  | 11.000000 | 0.003138 | PASS |
| N77-345<br>0-3550 | 30 | 90  | DFT-16QAM | H | Outer_Full | NV | 20  | 11.000000 | 0.003138 | PASS |
| N77-345<br>0-3550 | 30 | 90  | DFT-16QAM | H | Outer_Full | NV | 30  | 6.000000  | 0.001712 | PASS |
| N77-345<br>0-3550 | 30 | 90  | DFT-16QAM | H | Outer_Full | NV | 40  | 17.000000 | 0.004850 | PASS |
| N77-345<br>0-3550 | 30 | 90  | DFT-16QAM | H | Outer_Full | NV | 50  | 5.000000  | 0.001427 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | L | Outer_Full | NV | -30 | 11.000000 | 0.003143 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | L | Outer_Full | NV | -20 | 9.000000  | 0.002571 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | L | Outer_Full | NV | -10 | 14.000000 | 0.004000 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | L | Outer_Full | NV | 0   | 19.000000 | 0.005429 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | L | Outer_Full | NV | 10  | 13.000000 | 0.003714 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | L | Outer_Full | NV | 20  | 7.000000  | 0.002000 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | L | Outer_Full | NV | 30  | 5.000000  | 0.001429 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | L | Outer_Full | NV | 40  | 16.000000 | 0.004571 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | L | Outer_Full | NV | 50  | 9.000000  | 0.002571 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | L | Outer_Full | NV | -30 | 17.000000 | 0.004857 | PASS |
| N77-345           | 30 | 100 | DFT-16QAM | L | Outer_Full | NV | -20 | 8.000000  | 0.002286 | PASS |

|                   |    |     |           |   |            |    |     |           |          |      |
|-------------------|----|-----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |     |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | L | Outer_Full | NV | -10 | 6.000000  | 0.001714 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | L | Outer_Full | NV | 0   | 2.000000  | 0.000571 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | L | Outer_Full | NV | 10  | 3.000000  | 0.000857 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | L | Outer_Full | NV | 20  | 10.000000 | 0.002857 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | L | Outer_Full | NV | 30  | 14.000000 | 0.004000 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | L | Outer_Full | NV | 40  | 2.000000  | 0.000571 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | L | Outer_Full | NV | 50  | 9.000000  | 0.002571 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | M | Outer_Full | NV | -30 | 1.000000  | 0.000286 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | M | Outer_Full | NV | -20 | 18.000000 | 0.005143 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | M | Outer_Full | NV | -10 | 6.000000  | 0.001714 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | M | Outer_Full | NV | 0   | 1.000000  | 0.000286 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | M | Outer_Full | NV | 10  | 2.000000  | 0.000571 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | M | Outer_Full | NV | 20  | 7.000000  | 0.002000 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | M | Outer_Full | NV | 30  | 6.000000  | 0.001714 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | M | Outer_Full | NV | 40  | 11.000000 | 0.003143 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | M | Outer_Full | NV | 50  | 17.000000 | 0.004857 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | M | Outer_Full | NV | -30 | 11.000000 | 0.003143 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | M | Outer_Full | NV | -20 | 6.000000  | 0.001714 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | M | Outer_Full | NV | -10 | 19.000000 | 0.005429 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | M | Outer_Full | NV | 0   | 14.000000 | 0.004000 | PASS |
| N77-345           | 30 | 100 | DFT-16QAM | M | Outer_Full | NV | 10  | 2.000000  | 0.000571 | PASS |

|                   |    |     |           |   |            |    |     |           |          |      |
|-------------------|----|-----|-----------|---|------------|----|-----|-----------|----------|------|
| 0-3550            |    |     |           |   |            |    |     |           |          |      |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | M | Outer_Full | NV | 20  | 1.000000  | 0.000286 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | M | Outer_Full | NV | 30  | 18.000000 | 0.005143 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | M | Outer_Full | NV | 40  | 16.000000 | 0.004571 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | M | Outer_Full | NV | 50  | 7.000000  | 0.002000 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | H | Outer_Full | NV | -30 | 13.000000 | 0.003714 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | H | Outer_Full | NV | -20 | 1.000000  | 0.000286 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | H | Outer_Full | NV | -10 | 18.000000 | 0.005143 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | H | Outer_Full | NV | 0   | 15.000000 | 0.004286 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | H | Outer_Full | NV | 10  | 15.000000 | 0.004286 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | H | Outer_Full | NV | 20  | 1.000000  | 0.000286 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | H | Outer_Full | NV | 30  | 15.000000 | 0.004286 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | H | Outer_Full | NV | 40  | 5.000000  | 0.001429 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-QPSK  | H | Outer_Full | NV | 50  | 14.000000 | 0.004000 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | H | Outer_Full | NV | -30 | 7.000000  | 0.002000 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | H | Outer_Full | NV | -20 | 11.000000 | 0.003143 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | H | Outer_Full | NV | -10 | 9.000000  | 0.002571 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | H | Outer_Full | NV | 0   | 14.000000 | 0.004000 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | H | Outer_Full | NV | 10  | 2.000000  | 0.000571 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | H | Outer_Full | NV | 20  | 4.000000  | 0.001143 | PASS |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | H | Outer_Full | NV | 30  | 13.000000 | 0.003714 | PASS |
| N77-345           | 30 | 100 | DFT-16QAM | H | Outer_Full | NV | 40  | 7.000000  | 0.002000 | PASS |

|                   |    |     |           |   |            |    |    |          |          |      |
|-------------------|----|-----|-----------|---|------------|----|----|----------|----------|------|
| 0-3550            |    |     |           |   |            |    |    |          |          |      |
| N77-345<br>0-3550 | 30 | 100 | DFT-16QAM | H | Outer_Full | NV | 50 | 6.000000 | 0.001714 | PASS |