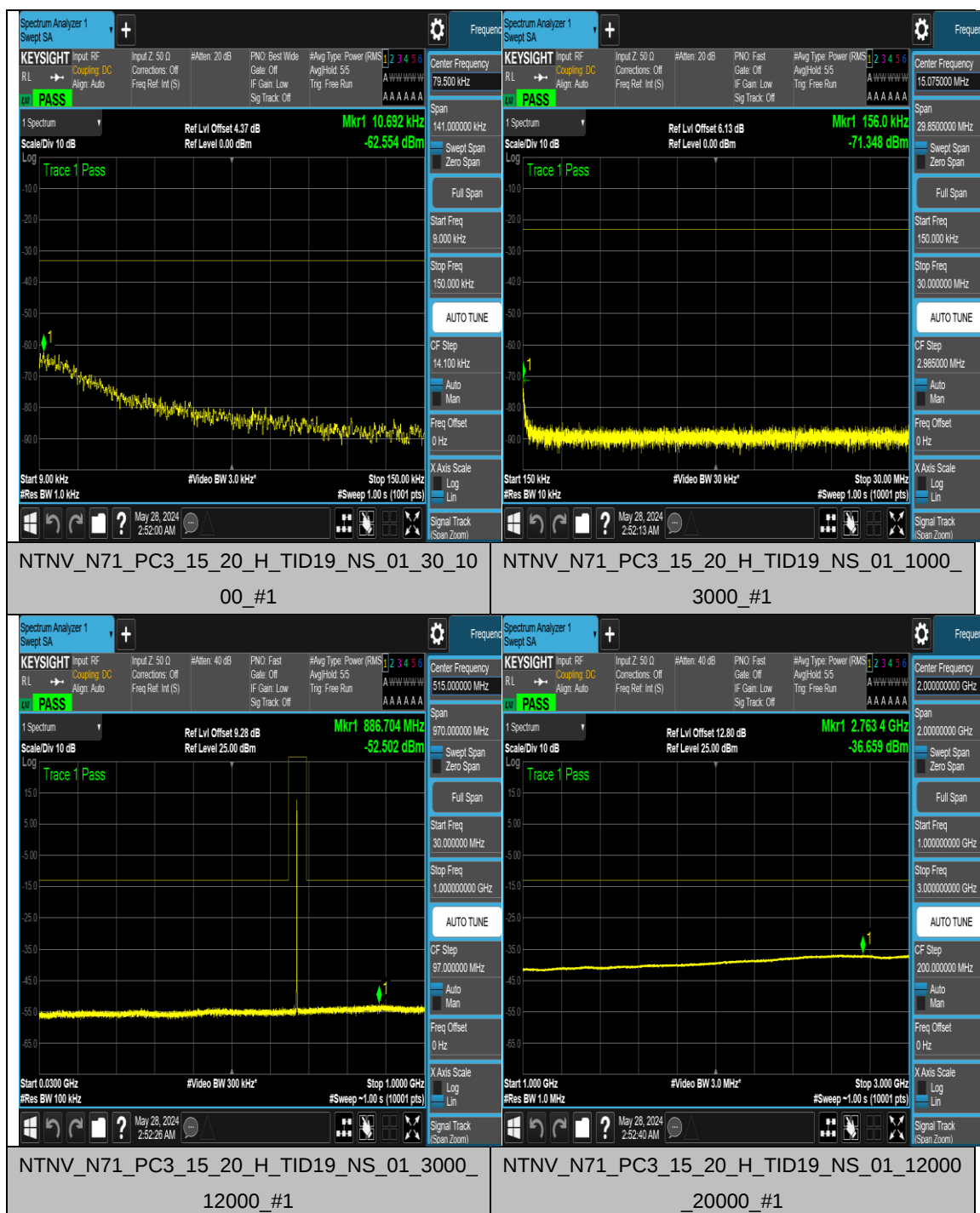
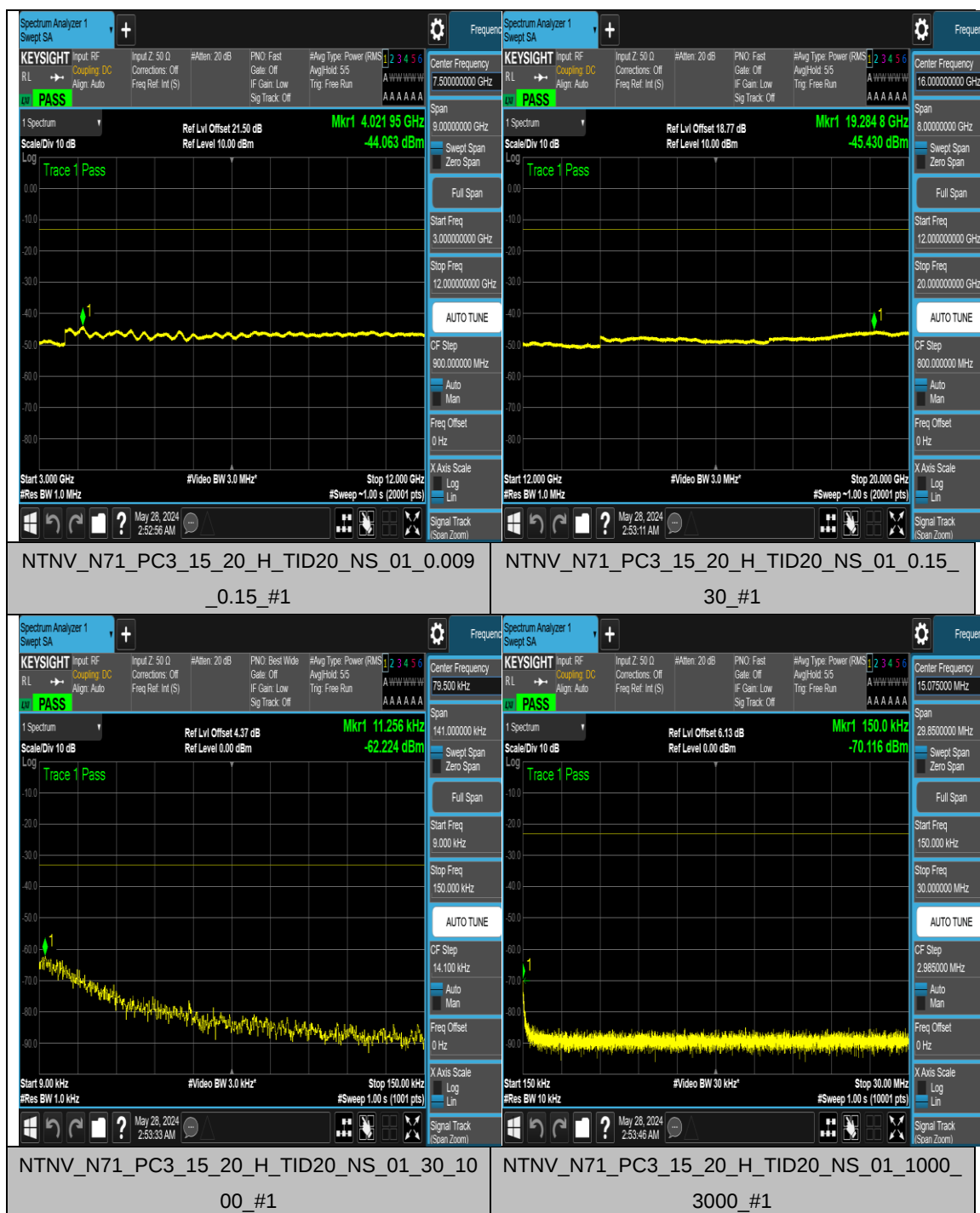








## Appendix F: Frequency Stability for SA

### Test Result

#### Frequency Error VS. Voltage

| Voltage |     |           |            |         |            |         |             |               |                 |         |
|---------|-----|-----------|------------|---------|------------|---------|-------------|---------------|-----------------|---------|
| Band    | SCS | Bandwidth | Modulation | Channel | RB Config  | Voltage | Temperature | Deviation(Hz) | Deviation (ppm) | Verdict |
| N71     | 15  | 5         | DFT-QPSK   | L       | Outer_Full | VL      | NT          | -0.17         | 0.00            | PASS    |
| N71     | 15  | 5         | DFT-QPSK   | L       | Outer_Full | VN      | NT          | -1.70         | 0.00            | PASS    |
| N71     | 15  | 5         | DFT-QPSK   | L       | Outer_Full | VH      | NT          | -0.88         | 0.00            | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | L       | Outer_Full | VL      | NT          | -0.29         | 0.00            | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | L       | Outer_Full | VN      | NT          | -0.77         | 0.00            | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | L       | Outer_Full | VH      | NT          | 0.94          | 0.00            | PASS    |
| N71     | 15  | 5         | DFT-QPSK   | M       | Outer_Full | VL      | NT          | 0.17          | 0.00            | PASS    |
| N71     | 15  | 5         | DFT-QPSK   | M       | Outer_Full | VN      | NT          | -1.39         | 0.00            | PASS    |
| N71     | 15  | 5         | DFT-QPSK   | M       | Outer_Full | VH      | NT          | -0.33         | 0.00            | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | M       | Outer_Full | VL      | NT          | -2.36         | 0.00            | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | M       | Outer_Full | VN      | NT          | -0.90         | 0.00            | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | M       | Outer_Full | VH      | NT          | -0.03         | 0.00            | PASS    |
| N71     | 15  | 5         | DFT-QPSK   | H       | Outer_Full | VL      | NT          | 0.03          | 0.00            | PASS    |
| N71     | 15  | 5         | DFT-QPSK   | H       | Outer_Full | VN      | NT          | 0.15          | 0.00            | PASS    |
| N71     | 15  | 5         | DFT-QPSK   | H       | Outer_Full | VH      | NT          | -0.11         | 0.00            | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | H       | Outer_Full | VL      | NT          | -0.26         | 0.00            | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | H       | Outer_Full | VN      | NT          | -0.48         | 0.00            | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | H       | Outer_Full | VH      | NT          | 0.94          | 0.00            | PASS    |
| N71     | 15  | 10        | DFT-QPSK   | L       | Outer_Full | VL      | NT          | 2.83          | 0.00            | PASS    |
| N71     | 15  | 10        | DFT-QPSK   | L       | Outer_Full | VN      | NT          | 2.97          | 0.00            | PASS    |
| N71     | 15  | 10        | DFT-QPSK   | L       | Outer_Full | VH      | NT          | 3.41          | 0.01            | PASS    |
| N71     | 15  | 10        | DFT-16QAM  | L       | Outer_Full | VL      | NT          | 3.75          | 0.01            | PASS    |
| N71     | 15  | 10        | DFT-16QAM  | L       | Outer_Full | VN      | NT          | 3.39          | 0.01            | PASS    |
| N71     | 15  | 10        | DFT-16QAM  | L       | Outer_Full | VH      | NT          | 1.82          | 0.00            | PASS    |
| N71     | 15  | 10        | DFT-QPSK   | M       | Outer_Full | VL      | NT          | -2.04         | 0.00            | PASS    |
| N71     | 15  | 10        | DFT-QPSK   | M       | Outer_Full | VN      | NT          | -1.13         | 0.00            | PASS    |
| N71     | 15  | 10        | DFT-QPSK   | M       | Outer_Full | VH      | NT          | -1.88         | 0.00            | PASS    |
| N71     | 15  | 10        | DFT-16QAM  | M       | Outer_Full | VL      | NT          | -0.42         | 0.00            | PASS    |
| N71     | 15  | 10        | DFT-16QAM  | M       | Outer_Full | VN      | NT          | -2.44         | 0.00            | PASS    |
| N71     | 15  | 10        | DFT-16QAM  | M       | Outer_Full | VH      | NT          | -0.71         | 0.00            | PASS    |
| N71     | 15  | 10        | DFT-QPSK   | H       | Outer_Full | VL      | NT          | 0.85          | 0.00            | PASS    |
| N71     | 15  | 10        | DFT-QPSK   | H       | Outer_Full | VN      | NT          | 0.91          | 0.00            | PASS    |

|     |    |    |           |   |            |    |    |       |      |      |
|-----|----|----|-----------|---|------------|----|----|-------|------|------|
| N71 | 15 | 10 | DFT-QPSK  | H | Outer_Full | VH | NT | 1.35  | 0.00 | PASS |
| N71 | 15 | 10 | DFT-16QAM | H | Outer_Full | VL | NT | 0.81  | 0.00 | PASS |
| N71 | 15 | 10 | DFT-16QAM | H | Outer_Full | VN | NT | 0.31  | 0.00 | PASS |
| N71 | 15 | 10 | DFT-16QAM | H | Outer_Full | VH | NT | 1.29  | 0.00 | PASS |
| N71 | 15 | 15 | DFT-QPSK  | L | Outer_Full | VL | NT | 1.84  | 0.00 | PASS |
| N71 | 15 | 15 | DFT-QPSK  | L | Outer_Full | VN | NT | 1.30  | 0.00 | PASS |
| N71 | 15 | 15 | DFT-QPSK  | L | Outer_Full | VH | NT | 0.95  | 0.00 | PASS |
| N71 | 15 | 15 | DFT-16QAM | L | Outer_Full | VL | NT | 1.57  | 0.00 | PASS |
| N71 | 15 | 15 | DFT-16QAM | L | Outer_Full | VN | NT | 0.94  | 0.00 | PASS |
| N71 | 15 | 15 | DFT-16QAM | L | Outer_Full | VH | NT | 1.41  | 0.00 | PASS |
| N71 | 15 | 15 | DFT-QPSK  | M | Outer_Full | VL | NT | -1.37 | 0.00 | PASS |
| N71 | 15 | 15 | DFT-QPSK  | M | Outer_Full | VN | NT | -0.75 | 0.00 | PASS |
| N71 | 15 | 15 | DFT-QPSK  | M | Outer_Full | VH | NT | -1.42 | 0.00 | PASS |
| N71 | 15 | 15 | DFT-16QAM | M | Outer_Full | VL | NT | -0.59 | 0.00 | PASS |
| N71 | 15 | 15 | DFT-16QAM | M | Outer_Full | VN | NT | -0.65 | 0.00 | PASS |
| N71 | 15 | 15 | DFT-16QAM | M | Outer_Full | VH | NT | -2.57 | 0.00 | PASS |
| N71 | 15 | 15 | DFT-QPSK  | H | Outer_Full | VL | NT | 1.96  | 0.00 | PASS |
| N71 | 15 | 15 | DFT-QPSK  | H | Outer_Full | VN | NT | 1.97  | 0.00 | PASS |
| N71 | 15 | 15 | DFT-QPSK  | H | Outer_Full | VH | NT | 2.59  | 0.00 | PASS |
| N71 | 15 | 15 | DFT-16QAM | H | Outer_Full | VL | NT | 2.92  | 0.00 | PASS |
| N71 | 15 | 15 | DFT-16QAM | H | Outer_Full | VN | NT | 3.58  | 0.01 | PASS |
| N71 | 15 | 15 | DFT-16QAM | H | Outer_Full | VH | NT | 1.73  | 0.00 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | L | Outer_Full | VL | NT | -0.08 | 0.00 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | L | Outer_Full | VN | NT | -0.94 | 0.00 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | L | Outer_Full | VH | NT | -1.31 | 0.00 | PASS |
| N71 | 15 | 20 | DFT-16QAM | L | Outer_Full | VL | NT | -0.41 | 0.00 | PASS |
| N71 | 15 | 20 | DFT-16QAM | L | Outer_Full | VN | NT | -1.52 | 0.00 | PASS |
| N71 | 15 | 20 | DFT-16QAM | L | Outer_Full | VH | NT | -0.74 | 0.00 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | M | Outer_Full | VL | NT | -1.26 | 0.00 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | M | Outer_Full | VN | NT | -2.79 | 0.00 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | M | Outer_Full | VH | NT | -0.61 | 0.00 | PASS |
| N71 | 15 | 20 | DFT-16QAM | M | Outer_Full | VL | NT | -0.39 | 0.00 | PASS |
| N71 | 15 | 20 | DFT-16QAM | M | Outer_Full | VN | NT | -1.46 | 0.00 | PASS |
| N71 | 15 | 20 | DFT-16QAM | M | Outer_Full | VH | NT | -1.21 | 0.00 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | H | Outer_Full | VL | NT | -2.62 | 0.00 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | H | Outer_Full | VN | NT | -1.84 | 0.00 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | H | Outer_Full | VH | NT | -2.98 | 0.00 | PASS |
| N71 | 15 | 20 | DFT-16QAM | H | Outer_Full | VL | NT | -1.89 | 0.00 | PASS |
| N71 | 15 | 20 | DFT-16QAM | H | Outer_Full | VN | NT | -2.91 | 0.00 | PASS |
| N71 | 15 | 20 | DFT-16QAM | H | Outer_Full | VH | NT | -1.91 | 0.00 | PASS |

**Frequency Error VS. Temperature**

| Voltage |     |           |            |         |            |         |             |               |                 |         |
|---------|-----|-----------|------------|---------|------------|---------|-------------|---------------|-----------------|---------|
| Band    | SCS | Bandwidth | Modulation | Channel | RB Config  | Voltage | Temperature | Deviation(Hz) | Deviation (ppm) | Verdict |
| N71     | 15  | 5         | DFT-QPSK   | L       | Outer_Full | NV      | -30         | -0.104079     | -0.000156       | PASS    |
| N71     | 15  | 5         | DFT-QPSK   | L       | Outer_Full | NV      | -20         | -0.185213     | -0.000278       | PASS    |
| N71     | 15  | 5         | DFT-QPSK   | L       | Outer_Full | NV      | -10         | -0.044114     | -0.000066       | PASS    |
| N71     | 15  | 5         | DFT-QPSK   | L       | Outer_Full | NV      | 0           | -1.613709     | -0.002425       | PASS    |
| N71     | 15  | 5         | DFT-QPSK   | L       | Outer_Full | NV      | 10          | -3.646299     | -0.005479       | PASS    |
| N71     | 15  | 5         | DFT-QPSK   | L       | Outer_Full | NV      | 20          | -1.125624     | -0.001691       | PASS    |
| N71     | 15  | 5         | DFT-QPSK   | L       | Outer_Full | NV      | 30          | 0.346364      | 0.000520        | PASS    |
| N71     | 15  | 5         | DFT-QPSK   | L       | Outer_Full | NV      | 40          | 0.203809      | 0.000306        | PASS    |
| N71     | 15  | 5         | DFT-QPSK   | L       | Outer_Full | NV      | 50          | -0.996741     | -0.001498       | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | L       | Outer_Full | NV      | -30         | -1.157424     | -0.001739       | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | L       | Outer_Full | NV      | -20         | -1.394613     | -0.002096       | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | L       | Outer_Full | NV      | -10         | -1.042230     | -0.001566       | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | L       | Outer_Full | NV      | 0           | -1.259835     | -0.001893       | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | L       | Outer_Full | NV      | 10          | -1.101146     | -0.001655       | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | L       | Outer_Full | NV      | 20          | 0.508470      | 0.000764        | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | L       | Outer_Full | NV      | 30          | -1.039551     | -0.001562       | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | L       | Outer_Full | NV      | 40          | -1.126959     | -0.001693       | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | L       | Outer_Full | NV      | 50          | -1.661278     | -0.002496       | PASS    |
| N71     | 15  | 5         | DFT-QPSK   | M       | Outer_Full | NV      | -30         | -0.158459     | -0.000233       | PASS    |
| N71     | 15  | 5         | DFT-QPSK   | M       | Outer_Full | NV      | -20         | 0.022409      | 0.000033        | PASS    |
| N71     | 15  | 5         | DFT-QPSK   | M       | Outer_Full | NV      | -10         | -1.293503     | -0.001901       | PASS    |
| N71     | 15  | 5         | DFT-QPSK   | M       | Outer_Full | NV      | 0           | -0.981778     | -0.001443       | PASS    |
| N71     | 15  | 5         | DFT-QPSK   | M       | Outer_Full | NV      | 10          | 0.698499      | 0.001026        | PASS    |
| N71     | 15  | 5         | DFT-QPSK   | M       | Outer_Full | NV      | 20          | -0.009846     | -0.000014       | PASS    |
| N71     | 15  | 5         | DFT-QPSK   | M       | Outer_Full | NV      | 30          | -0.171192     | -0.000252       | PASS    |
| N71     | 15  | 5         | DFT-QPSK   | M       | Outer_Full | NV      | 40          | -0.582190     | -0.000856       | PASS    |
| N71     | 15  | 5         | DFT-QPSK   | M       | Outer_Full | NV      | 50          | -1.129495     | -0.001660       | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | M       | Outer_Full | NV      | -30         | 0.542498      | 0.000797        | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | M       | Outer_Full | NV      | -20         | -0.937162     | -0.001377       | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | M       | Outer_Full | NV      | -10         | -0.762067     | -0.001120       | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | M       | Outer_Full | NV      | 0           | 0.810581      | 0.001191        | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | M       | Outer_Full | NV      | 10          | -0.062898     | -0.000092       | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | M       | Outer_Full | NV      | 20          | 0.206904      | 0.000304        | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | M       | Outer_Full | NV      | 30          | -0.456895     | -0.000671       | PASS    |
| N71     | 15  | 5         | DFT-16QAM  | M       | Outer_Full | NV      | 40          | 0.480920      | 0.000707        | PASS    |

|     |    |    |           |   |            |    |     |           |           |      |
|-----|----|----|-----------|---|------------|----|-----|-----------|-----------|------|
| N71 | 15 | 5  | DFT-16QAM | M | Outer_Full | NV | 50  | -0.866560 | -0.001273 | PASS |
| N71 | 15 | 5  | DFT-QPSK  | H | Outer_Full | NV | -30 | 0.961339  | 0.001382  | PASS |
| N71 | 15 | 5  | DFT-QPSK  | H | Outer_Full | NV | -20 | 0.785450  | 0.001129  | PASS |
| N71 | 15 | 5  | DFT-QPSK  | H | Outer_Full | NV | -10 | -0.275396 | -0.000396 | PASS |
| N71 | 15 | 5  | DFT-QPSK  | H | Outer_Full | NV | 0   | -0.424093 | -0.000610 | PASS |
| N71 | 15 | 5  | DFT-QPSK  | H | Outer_Full | NV | 10  | -0.587729 | -0.000845 | PASS |
| N71 | 15 | 5  | DFT-QPSK  | H | Outer_Full | NV | 20  | -1.746930 | -0.002512 | PASS |
| N71 | 15 | 5  | DFT-QPSK  | H | Outer_Full | NV | 30  | -0.915099 | -0.001316 | PASS |
| N71 | 15 | 5  | DFT-QPSK  | H | Outer_Full | NV | 40  | -0.182738 | -0.000263 | PASS |
| N71 | 15 | 5  | DFT-QPSK  | H | Outer_Full | NV | 50  | -0.365314 | -0.000525 | PASS |
| N71 | 15 | 5  | DFT-16QAM | H | Outer_Full | NV | -30 | -1.074704 | -0.001545 | PASS |
| N71 | 15 | 5  | DFT-16QAM | H | Outer_Full | NV | -20 | -0.603649 | -0.000868 | PASS |
| N71 | 15 | 5  | DFT-16QAM | H | Outer_Full | NV | -10 | 0.646872  | 0.000930  | PASS |
| N71 | 15 | 5  | DFT-16QAM | H | Outer_Full | NV | 0   | 0.903901  | 0.001300  | PASS |
| N71 | 15 | 5  | DFT-16QAM | H | Outer_Full | NV | 10  | 2.004628  | 0.002882  | PASS |
| N71 | 15 | 5  | DFT-16QAM | H | Outer_Full | NV | 20  | -1.219932 | -0.001754 | PASS |
| N71 | 15 | 5  | DFT-16QAM | H | Outer_Full | NV | 30  | 1.330812  | 0.001913  | PASS |
| N71 | 15 | 5  | DFT-16QAM | H | Outer_Full | NV | 40  | -0.072968 | -0.000105 | PASS |
| N71 | 15 | 5  | DFT-16QAM | H | Outer_Full | NV | 50  | 0.500774  | 0.000720  | PASS |
| N71 | 15 | 10 | DFT-QPSK  | L | Outer_Full | NV | -30 | 3.447932  | 0.005162  | PASS |
| N71 | 15 | 10 | DFT-QPSK  | L | Outer_Full | NV | -20 | 3.186229  | 0.004770  | PASS |
| N71 | 15 | 10 | DFT-QPSK  | L | Outer_Full | NV | -10 | 2.677242  | 0.004008  | PASS |
| N71 | 15 | 10 | DFT-QPSK  | L | Outer_Full | NV | 0   | 2.921813  | 0.004374  | PASS |
| N71 | 15 | 10 | DFT-QPSK  | L | Outer_Full | NV | 10  | 2.454107  | 0.003674  | PASS |
| N71 | 15 | 10 | DFT-QPSK  | L | Outer_Full | NV | 20  | 3.716884  | 0.005564  | PASS |
| N71 | 15 | 10 | DFT-QPSK  | L | Outer_Full | NV | 30  | 2.363078  | 0.003538  | PASS |
| N71 | 15 | 10 | DFT-QPSK  | L | Outer_Full | NV | 40  | 2.443088  | 0.003657  | PASS |
| N71 | 15 | 10 | DFT-QPSK  | L | Outer_Full | NV | 50  | 2.763907  | 0.004138  | PASS |
| N71 | 15 | 10 | DFT-16QAM | L | Outer_Full | NV | -30 | 3.211677  | 0.004808  | PASS |
| N71 | 15 | 10 | DFT-16QAM | L | Outer_Full | NV | -20 | 2.896007  | 0.004335  | PASS |
| N71 | 15 | 10 | DFT-16QAM | L | Outer_Full | NV | -10 | 2.928181  | 0.004384  | PASS |
| N71 | 15 | 10 | DFT-16QAM | L | Outer_Full | NV | 0   | 3.275088  | 0.004903  | PASS |
| N71 | 15 | 10 | DFT-16QAM | L | Outer_Full | NV | 10  | 2.411591  | 0.003610  | PASS |
| N71 | 15 | 10 | DFT-16QAM | L | Outer_Full | NV | 20  | 3.273068  | 0.004900  | PASS |
| N71 | 15 | 10 | DFT-16QAM | L | Outer_Full | NV | 30  | 2.980008  | 0.004461  | PASS |
| N71 | 15 | 10 | DFT-16QAM | L | Outer_Full | NV | 40  | 2.738312  | 0.004099  | PASS |
| N71 | 15 | 10 | DFT-16QAM | L | Outer_Full | NV | 50  | 2.361362  | 0.003535  | PASS |
| N71 | 15 | 10 | DFT-QPSK  | M | Outer_Full | NV | -30 | -0.950608 | -0.001397 | PASS |
| N71 | 15 | 10 | DFT-QPSK  | M | Outer_Full | NV | -20 | -0.922392 | -0.001355 | PASS |
| N71 | 15 | 10 | DFT-QPSK  | M | Outer_Full | NV | -10 | -0.151945 | -0.000223 | PASS |

|     |    |    |           |   |            |    |     |           |           |      |
|-----|----|----|-----------|---|------------|----|-----|-----------|-----------|------|
| N71 | 15 | 10 | DFT-QPSK  | M | Outer_Full | NV | 0   | -0.525802 | -0.000773 | PASS |
| N71 | 15 | 10 | DFT-QPSK  | M | Outer_Full | NV | 10  | -1.581867 | -0.002325 | PASS |
| N71 | 15 | 10 | DFT-QPSK  | M | Outer_Full | NV | 20  | -0.860463 | -0.001264 | PASS |
| N71 | 15 | 10 | DFT-QPSK  | M | Outer_Full | NV | 30  | -1.462893 | -0.002150 | PASS |
| N71 | 15 | 10 | DFT-QPSK  | M | Outer_Full | NV | 40  | -1.279552 | -0.001880 | PASS |
| N71 | 15 | 10 | DFT-QPSK  | M | Outer_Full | NV | 50  | -0.098903 | -0.000145 | PASS |
| N71 | 15 | 10 | DFT-16QAM | M | Outer_Full | NV | -30 | -1.411411 | -0.002074 | PASS |
| N71 | 15 | 10 | DFT-16QAM | M | Outer_Full | NV | -20 | -1.525247 | -0.002241 | PASS |
| N71 | 15 | 10 | DFT-16QAM | M | Outer_Full | NV | -10 | -0.931921 | -0.001369 | PASS |
| N71 | 15 | 10 | DFT-16QAM | M | Outer_Full | NV | 0   | -1.071588 | -0.001575 | PASS |
| N71 | 15 | 10 | DFT-16QAM | M | Outer_Full | NV | 10  | -1.736762 | -0.002552 | PASS |
| N71 | 15 | 10 | DFT-16QAM | M | Outer_Full | NV | 20  | 0.049391  | 0.000073  | PASS |
| N71 | 15 | 10 | DFT-16QAM | M | Outer_Full | NV | 30  | -1.200018 | -0.001763 | PASS |
| N71 | 15 | 10 | DFT-16QAM | M | Outer_Full | NV | 40  | -1.242251 | -0.001825 | PASS |
| N71 | 15 | 10 | DFT-16QAM | M | Outer_Full | NV | 50  | -1.101855 | -0.001619 | PASS |
| N71 | 15 | 10 | DFT-QPSK  | H | Outer_Full | NV | -30 | 0.922336  | 0.001331  | PASS |
| N71 | 15 | 10 | DFT-QPSK  | H | Outer_Full | NV | -20 | 0.855329  | 0.001234  | PASS |
| N71 | 15 | 10 | DFT-QPSK  | H | Outer_Full | NV | -10 | 1.194530  | 0.001724  | PASS |
| N71 | 15 | 10 | DFT-QPSK  | H | Outer_Full | NV | 0   | 2.043099  | 0.002948  | PASS |
| N71 | 15 | 10 | DFT-QPSK  | H | Outer_Full | NV | 10  | 0.881831  | 0.001272  | PASS |
| N71 | 15 | 10 | DFT-QPSK  | H | Outer_Full | NV | 20  | 1.006588  | 0.001453  | PASS |
| N71 | 15 | 10 | DFT-QPSK  | H | Outer_Full | NV | 30  | 0.861929  | 0.001244  | PASS |
| N71 | 15 | 10 | DFT-QPSK  | H | Outer_Full | NV | 40  | 1.220387  | 0.001761  | PASS |
| N71 | 15 | 10 | DFT-QPSK  | H | Outer_Full | NV | 50  | 1.391384  | 0.002008  | PASS |
| N71 | 15 | 10 | DFT-16QAM | H | Outer_Full | NV | -30 | 1.244351  | 0.001796  | PASS |
| N71 | 15 | 10 | DFT-16QAM | H | Outer_Full | NV | -20 | 1.292719  | 0.001865  | PASS |
| N71 | 15 | 10 | DFT-16QAM | H | Outer_Full | NV | -10 | 2.362784  | 0.003410  | PASS |
| N71 | 15 | 10 | DFT-16QAM | H | Outer_Full | NV | 0   | -0.130411 | -0.000188 | PASS |
| N71 | 15 | 10 | DFT-16QAM | H | Outer_Full | NV | 10  | 1.824252  | 0.002632  | PASS |
| N71 | 15 | 10 | DFT-16QAM | H | Outer_Full | NV | 20  | 2.230737  | 0.003219  | PASS |
| N71 | 15 | 10 | DFT-16QAM | H | Outer_Full | NV | 30  | 1.544018  | 0.002228  | PASS |
| N71 | 15 | 10 | DFT-16QAM | H | Outer_Full | NV | 40  | 1.182119  | 0.001706  | PASS |
| N71 | 15 | 10 | DFT-16QAM | H | Outer_Full | NV | 50  | 1.125919  | 0.001625  | PASS |
| N71 | 15 | 15 | DFT-QPSK  | L | Outer_Full | NV | -30 | 1.822210  | 0.002718  | PASS |
| N71 | 15 | 15 | DFT-QPSK  | L | Outer_Full | NV | -20 | 1.785244  | 0.002663  | PASS |
| N71 | 15 | 15 | DFT-QPSK  | L | Outer_Full | NV | -10 | 1.152470  | 0.001719  | PASS |
| N71 | 15 | 15 | DFT-QPSK  | L | Outer_Full | NV | 0   | 0.827061  | 0.001233  | PASS |
| N71 | 15 | 15 | DFT-QPSK  | L | Outer_Full | NV | 10  | 1.793313  | 0.002675  | PASS |
| N71 | 15 | 15 | DFT-QPSK  | L | Outer_Full | NV | 20  | 1.449838  | 0.002162  | PASS |
| N71 | 15 | 15 | DFT-QPSK  | L | Outer_Full | NV | 30  | 1.725843  | 0.002574  | PASS |

|     |    |    |           |   |            |    |     |           |           |      |
|-----|----|----|-----------|---|------------|----|-----|-----------|-----------|------|
| N71 | 15 | 15 | DFT-QPSK  | L | Outer_Full | NV | 40  | 2.476615  | 0.003694  | PASS |
| N71 | 15 | 15 | DFT-QPSK  | L | Outer_Full | NV | 50  | 1.458654  | 0.002175  | PASS |
| N71 | 15 | 15 | DFT-16QAM | L | Outer_Full | NV | -30 | 0.919133  | 0.001371  | PASS |
| N71 | 15 | 15 | DFT-16QAM | L | Outer_Full | NV | -20 | 0.899211  | 0.001341  | PASS |
| N71 | 15 | 15 | DFT-16QAM | L | Outer_Full | NV | -10 | 1.630274  | 0.002431  | PASS |
| N71 | 15 | 15 | DFT-16QAM | L | Outer_Full | NV | 0   | 1.080113  | 0.001611  | PASS |
| N71 | 15 | 15 | DFT-16QAM | L | Outer_Full | NV | 10  | 0.623916  | 0.000931  | PASS |
| N71 | 15 | 15 | DFT-16QAM | L | Outer_Full | NV | 20  | 2.516415  | 0.003753  | PASS |
| N71 | 15 | 15 | DFT-16QAM | L | Outer_Full | NV | 30  | 2.084502  | 0.003109  | PASS |
| N71 | 15 | 15 | DFT-16QAM | L | Outer_Full | NV | 40  | 1.275766  | 0.001903  | PASS |
| N71 | 15 | 15 | DFT-16QAM | L | Outer_Full | NV | 50  | 1.281306  | 0.001911  | PASS |
| N71 | 15 | 15 | DFT-QPSK  | M | Outer_Full | NV | -30 | -2.328335 | -0.003422 | PASS |
| N71 | 15 | 15 | DFT-QPSK  | M | Outer_Full | NV | -20 | -1.103565 | -0.001622 | PASS |
| N71 | 15 | 15 | DFT-QPSK  | M | Outer_Full | NV | -10 | -0.885888 | -0.001302 | PASS |
| N71 | 15 | 15 | DFT-QPSK  | M | Outer_Full | NV | 0   | -1.552639 | -0.002282 | PASS |
| N71 | 15 | 15 | DFT-QPSK  | M | Outer_Full | NV | 10  | -1.809777 | -0.002659 | PASS |
| N71 | 15 | 15 | DFT-QPSK  | M | Outer_Full | NV | 20  | -1.758871 | -0.002585 | PASS |
| N71 | 15 | 15 | DFT-QPSK  | M | Outer_Full | NV | 30  | -2.268483 | -0.003334 | PASS |
| N71 | 15 | 15 | DFT-QPSK  | M | Outer_Full | NV | 40  | -1.725761 | -0.002536 | PASS |
| N71 | 15 | 15 | DFT-QPSK  | M | Outer_Full | NV | 50  | -2.302045 | -0.003383 | PASS |
| N71 | 15 | 15 | DFT-16QAM | M | Outer_Full | NV | -30 | -1.777223 | -0.002612 | PASS |
| N71 | 15 | 15 | DFT-16QAM | M | Outer_Full | NV | -20 | -2.677680 | -0.003935 | PASS |
| N71 | 15 | 15 | DFT-16QAM | M | Outer_Full | NV | -10 | -1.469307 | -0.002159 | PASS |
| N71 | 15 | 15 | DFT-16QAM | M | Outer_Full | NV | 0   | -1.272370 | -0.001870 | PASS |
| N71 | 15 | 15 | DFT-16QAM | M | Outer_Full | NV | 10  | -0.715127 | -0.001051 | PASS |
| N71 | 15 | 15 | DFT-16QAM | M | Outer_Full | NV | 20  | -0.048268 | -0.000071 | PASS |
| N71 | 15 | 15 | DFT-16QAM | M | Outer_Full | NV | 30  | -1.725482 | -0.002536 | PASS |
| N71 | 15 | 15 | DFT-16QAM | M | Outer_Full | NV | 40  | -1.668439 | -0.002452 | PASS |
| N71 | 15 | 15 | DFT-16QAM | M | Outer_Full | NV | 50  | -1.369298 | -0.002012 | PASS |
| N71 | 15 | 15 | DFT-QPSK  | H | Outer_Full | NV | -30 | 2.127795  | 0.003082  | PASS |
| N71 | 15 | 15 | DFT-QPSK  | H | Outer_Full | NV | -20 | 2.459970  | 0.003563  | PASS |
| N71 | 15 | 15 | DFT-QPSK  | H | Outer_Full | NV | -10 | 1.444809  | 0.002092  | PASS |
| N71 | 15 | 15 | DFT-QPSK  | H | Outer_Full | NV | 0   | 1.643081  | 0.002380  | PASS |
| N71 | 15 | 15 | DFT-QPSK  | H | Outer_Full | NV | 10  | 2.011606  | 0.002913  | PASS |
| N71 | 15 | 15 | DFT-QPSK  | H | Outer_Full | NV | 20  | 2.743534  | 0.003973  | PASS |
| N71 | 15 | 15 | DFT-QPSK  | H | Outer_Full | NV | 30  | 1.647233  | 0.002386  | PASS |
| N71 | 15 | 15 | DFT-QPSK  | H | Outer_Full | NV | 40  | 3.004054  | 0.004351  | PASS |
| N71 | 15 | 15 | DFT-QPSK  | H | Outer_Full | NV | 50  | 3.401685  | 0.004926  | PASS |
| N71 | 15 | 15 | DFT-16QAM | H | Outer_Full | NV | -30 | 2.535662  | 0.003672  | PASS |
| N71 | 15 | 15 | DFT-16QAM | H | Outer_Full | NV | -20 | 3.368336  | 0.004878  | PASS |

|     |    |    |           |   |            |    |     |           |           |      |
|-----|----|----|-----------|---|------------|----|-----|-----------|-----------|------|
| N71 | 15 | 15 | DFT-16QAM | H | Outer_Full | NV | -10 | 2.459246  | 0.003562  | PASS |
| N71 | 15 | 15 | DFT-16QAM | H | Outer_Full | NV | 0   | 2.624566  | 0.003801  | PASS |
| N71 | 15 | 15 | DFT-16QAM | H | Outer_Full | NV | 10  | 3.115565  | 0.004512  | PASS |
| N71 | 15 | 15 | DFT-16QAM | H | Outer_Full | NV | 20  | 2.577415  | 0.003733  | PASS |
| N71 | 15 | 15 | DFT-16QAM | H | Outer_Full | NV | 30  | 2.364795  | 0.003425  | PASS |
| N71 | 15 | 15 | DFT-16QAM | H | Outer_Full | NV | 40  | 2.358662  | 0.003416  | PASS |
| N71 | 15 | 15 | DFT-16QAM | H | Outer_Full | NV | 50  | 2.578275  | 0.003734  | PASS |
| N71 | 15 | 20 | DFT-QPSK  | L | Outer_Full | NV | -30 | -0.752549 | -0.001118 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | L | Outer_Full | NV | -20 | -1.913754 | -0.002844 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | L | Outer_Full | NV | -10 | -1.106873 | -0.001645 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | L | Outer_Full | NV | 0   | -0.281399 | -0.000418 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | L | Outer_Full | NV | 10  | -1.142711 | -0.001698 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | L | Outer_Full | NV | 20  | -1.160459 | -0.001724 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | L | Outer_Full | NV | 30  | -0.927027 | -0.001377 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | L | Outer_Full | NV | 40  | -1.825310 | -0.002712 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | L | Outer_Full | NV | 50  | -2.575756 | -0.003827 | PASS |
| N71 | 15 | 20 | DFT-16QAM | L | Outer_Full | NV | -30 | -0.521608 | -0.000775 | PASS |
| N71 | 15 | 20 | DFT-16QAM | L | Outer_Full | NV | -20 | -1.113078 | -0.001654 | PASS |
| N71 | 15 | 20 | DFT-16QAM | L | Outer_Full | NV | -10 | -2.035833 | -0.003025 | PASS |
| N71 | 15 | 20 | DFT-16QAM | L | Outer_Full | NV | 0   | -1.716718 | -0.002551 | PASS |
| N71 | 15 | 20 | DFT-16QAM | L | Outer_Full | NV | 10  | -0.946308 | -0.001406 | PASS |
| N71 | 15 | 20 | DFT-16QAM | L | Outer_Full | NV | 20  | -0.907651 | -0.001349 | PASS |
| N71 | 15 | 20 | DFT-16QAM | L | Outer_Full | NV | 30  | -1.509163 | -0.002242 | PASS |
| N71 | 15 | 20 | DFT-16QAM | L | Outer_Full | NV | 40  | 0.132540  | 0.000197  | PASS |
| N71 | 15 | 20 | DFT-16QAM | L | Outer_Full | NV | 50  | -1.878301 | -0.002791 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | M | Outer_Full | NV | -30 | -1.893313 | -0.002782 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | M | Outer_Full | NV | -20 | -1.650878 | -0.002426 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | M | Outer_Full | NV | -10 | -0.904716 | -0.001329 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | M | Outer_Full | NV | 0   | -1.165492 | -0.001713 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | M | Outer_Full | NV | 10  | -2.286163 | -0.003360 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | M | Outer_Full | NV | 20  | -0.260389 | -0.000383 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | M | Outer_Full | NV | 30  | -1.891330 | -0.002779 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | M | Outer_Full | NV | 40  | -1.434008 | -0.002107 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | M | Outer_Full | NV | 50  | -0.974052 | -0.001431 | PASS |
| N71 | 15 | 20 | DFT-16QAM | M | Outer_Full | NV | -30 | -1.827598 | -0.002686 | PASS |
| N71 | 15 | 20 | DFT-16QAM | M | Outer_Full | NV | -20 | -1.504037 | -0.002210 | PASS |
| N71 | 15 | 20 | DFT-16QAM | M | Outer_Full | NV | -10 | -2.582650 | -0.003795 | PASS |
| N71 | 15 | 20 | DFT-16QAM | M | Outer_Full | NV | 0   | -0.678574 | -0.000997 | PASS |
| N71 | 15 | 20 | DFT-16QAM | M | Outer_Full | NV | 10  | -2.528218 | -0.003715 | PASS |
| N71 | 15 | 20 | DFT-16QAM | M | Outer_Full | NV | 20  | -1.055114 | -0.001550 | PASS |

|     |    |    |           |   |            |    |     |           |           |      |
|-----|----|----|-----------|---|------------|----|-----|-----------|-----------|------|
| N71 | 15 | 20 | DFT-16QAM | M | Outer_Full | NV | 30  | -2.763443 | -0.004061 | PASS |
| N71 | 15 | 20 | DFT-16QAM | M | Outer_Full | NV | 40  | -2.024506 | -0.002975 | PASS |
| N71 | 15 | 20 | DFT-16QAM | M | Outer_Full | NV | 50  | -2.282337 | -0.003354 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | H | Outer_Full | NV | -30 | -3.241027 | -0.004711 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | H | Outer_Full | NV | -20 | -2.682603 | -0.003899 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | H | Outer_Full | NV | -10 | -2.032467 | -0.002954 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | H | Outer_Full | NV | 0   | -2.172572 | -0.003158 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | H | Outer_Full | NV | 10  | -1.781227 | -0.002589 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | H | Outer_Full | NV | 20  | -2.681427 | -0.003897 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | H | Outer_Full | NV | 30  | -0.950352 | -0.001381 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | H | Outer_Full | NV | 40  | -1.493849 | -0.002171 | PASS |
| N71 | 15 | 20 | DFT-QPSK  | H | Outer_Full | NV | 50  | -2.184783 | -0.003176 | PASS |
| N71 | 15 | 20 | DFT-16QAM | H | Outer_Full | NV | -30 | -1.969864 | -0.002863 | PASS |
| N71 | 15 | 20 | DFT-16QAM | H | Outer_Full | NV | -20 | -3.373772 | -0.004904 | PASS |
| N71 | 15 | 20 | DFT-16QAM | H | Outer_Full | NV | -10 | -2.049403 | -0.002979 | PASS |
| N71 | 15 | 20 | DFT-16QAM | H | Outer_Full | NV | 0   | -1.408140 | -0.002047 | PASS |
| N71 | 15 | 20 | DFT-16QAM | H | Outer_Full | NV | 10  | -1.475284 | -0.002144 | PASS |
| N71 | 15 | 20 | DFT-16QAM | H | Outer_Full | NV | 20  | -1.738771 | -0.002527 | PASS |
| N71 | 15 | 20 | DFT-16QAM | H | Outer_Full | NV | 30  | -2.294993 | -0.003336 | PASS |
| N71 | 15 | 20 | DFT-16QAM | H | Outer_Full | NV | 40  | -2.889619 | -0.004200 | PASS |
| N71 | 15 | 20 | DFT-16QAM | H | Outer_Full | NV | 50  | -1.438741 | -0.002091 | PASS |