















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 |
| N66 | 15 | 5 | CP-QPSK | L | Outer_Full | VL | NT | -69.67 | -0.04 | PASS |
| N66 | 15 | 5 | CP-QPSK | L | Outer_Full | VN | NT | -1.89 | 0.00 | PASS |
| N66 | 15 | 5 | CP-QPSK | L | Outer_Full | VH | NT | 46.17 | 0.03 | PASS |
| N66 | 15 | 5 | CP-16QAM | L | Outer_Full | VL | NT | 62.94 | 0.04 | PASS |
| N66 | 15 | 5 | CP-16QAM | L | Outer_Full | VN | NT | 151.75 | 0.09 | PASS |
| N66 | 15 | 5 | CP-16QAM | L | Outer_Full | VH | NT | 48.35 | 0.03 | PASS |
| N66 | 15 | 5 | CP-QPSK | M | Outer_Full | VL | NT | -6.06 | 0.00 | PASS |
| N66 | 15 | 5 | CP-QPSK | M | Outer_Full | VN | NT | 2.55 | 0.00 | PASS |
| N66 | 15 | 5 | CP-QPSK | M | Outer_Full | VH | NT | -102.34 | -0.06 | PASS |
| N66 | 15 | 5 | CP-16QAM | M | Outer_Full | VL | NT | -7.97 | 0.00 | PASS |
| N66 | 15 | 5 | CP-16QAM | M | Outer_Full | VN | NT | -0.45 | 0.00 | PASS |
| N66 | 15 | 5 | CP-16QAM | M | Outer_Full | VH | NT | -101.78 | -0.06 | PASS |
| N66 | 15 | 5 | CP-QPSK | H | Outer_Full | VL | NT | 136.73 | 0.08 | PASS |
| N66 | 15 | 5 | CP-QPSK | H | Outer_Full | VN | NT | 12.84 | 0.01 | PASS |
| N66 | 15 | 5 | CP-QPSK | H | Outer_Full | VH | NT | -5.13 | 0.00 | PASS |
| N66 | 15 | 5 | CP-16QAM | H | Outer_Full | VL | NT | -1.37 | 0.00 | PASS |
| N66 | 15 | 5 | CP-16QAM | H | Outer_Full | VN | NT | -1.86 | 0.00 | PASS |
| N66 | 15 | 5 | CP-16QAM | H | Outer_Full | VH | NT | -2.10 | 0.00 | PASS |
| N66 | 15 | 10 | CP-QPSK | L | Outer_Full | VL | NT | 5.19 | 0.00 | PASS |
| N66 | 15 | 10 | CP-QPSK | L | Outer_Full | VN | NT | -11.98 | -0.01 | PASS |
| N66 | 15 | 10 | CP-QPSK | L | Outer_Full | VH | NT | -83.44 | -0.05 | PASS |
| N66 | 15 | 10 | CP-16QAM | L | Outer_Full | VL | NT | 15.74 | 0.01 | PASS |
| N66 | 15 | 10 | CP-16QAM | L | Outer_Full | VN | NT | -10.45 | -0.01 | PASS |
| N66 | 15 | 10 | CP-16QAM | L | Outer_Full | VH | NT | 6.40 | 0.00 | PASS |
| N66 | 15 | 10 | CP-QPSK | M | Outer_Full | VL | NT | -45.28 | -0.03 | PASS |
| N66 | 15 | 10 | CP-QPSK | M | Outer_Full | VN | NT | -8.12 | 0.00 | PASS |
| N66 | 15 | 10 | CP-QPSK | M | Outer_Full | VH | NT | 2.39 | 0.00 | PASS |
| N66 | 15 | 10 | CP-16QAM | M | Outer_Full | VL | NT | -4.01 | 0.00 | PASS |
| N66 | 15 | 10 | CP-16QAM | M | Outer_Full | VN | NT | 75.17 | 0.04 | PASS |
| N66 | 15 | 10 | CP-16QAM | M | Outer_Full | VH | NT | -2.20 | 0.00 | PASS |
| N66 | 15 | 10 | CP-QPSK | H | Outer_Full | VL | NT | -6.10 | 0.00 | PASS |
| N66 | 15 | 10 | CP-QPSK | H | Outer_Full | VN | NT | -37.50 | -0.02 | PASS |

| | | | | | | | | | | |
|-----|----|----|----------|---|------------|----|----|---------|-------|------|
| N66 | 15 | 10 | CP-QPSK | H | Outer_Full | VH | NT | -14.82 | -0.01 | PASS |
| N66 | 15 | 10 | CP-16QAM | H | Outer_Full | VL | NT | -21.64 | -0.01 | PASS |
| N66 | 15 | 10 | CP-16QAM | H | Outer_Full | VN | NT | -27.40 | -0.02 | PASS |
| N66 | 15 | 10 | CP-16QAM | H | Outer_Full | VH | NT | 0.62 | 0.00 | PASS |
| N66 | 15 | 15 | CP-QPSK | L | Outer_Full | VL | NT | 16.44 | 0.01 | PASS |
| N66 | 15 | 15 | CP-QPSK | L | Outer_Full | VN | NT | 26.08 | 0.02 | PASS |
| N66 | 15 | 15 | CP-QPSK | L | Outer_Full | VH | NT | 7.92 | 0.00 | PASS |
| N66 | 15 | 15 | CP-16QAM | L | Outer_Full | VL | NT | 67.58 | 0.04 | PASS |
| N66 | 15 | 15 | CP-16QAM | L | Outer_Full | VN | NT | 81.78 | 0.05 | PASS |
| N66 | 15 | 15 | CP-16QAM | L | Outer_Full | VH | NT | 4.75 | 0.00 | PASS |
| N66 | 15 | 15 | CP-QPSK | M | Outer_Full | VL | NT | 5.11 | 0.00 | PASS |
| N66 | 15 | 15 | CP-QPSK | M | Outer_Full | VN | NT | -3.05 | 0.00 | PASS |
| N66 | 15 | 15 | CP-QPSK | M | Outer_Full | VH | NT | 4.55 | 0.00 | PASS |
| N66 | 15 | 15 | CP-16QAM | M | Outer_Full | VL | NT | 45.80 | 0.03 | PASS |
| N66 | 15 | 15 | CP-16QAM | M | Outer_Full | VN | NT | 4.46 | 0.00 | PASS |
| N66 | 15 | 15 | CP-16QAM | M | Outer_Full | VH | NT | -29.48 | -0.02 | PASS |
| N66 | 15 | 15 | CP-QPSK | H | Outer_Full | VL | NT | 3.80 | 0.00 | PASS |
| N66 | 15 | 15 | CP-QPSK | H | Outer_Full | VN | NT | -97.94 | -0.06 | PASS |
| N66 | 15 | 15 | CP-QPSK | H | Outer_Full | VH | NT | 39.99 | 0.02 | PASS |
| N66 | 15 | 15 | CP-16QAM | H | Outer_Full | VL | NT | 38.66 | 0.02 | PASS |
| N66 | 15 | 15 | CP-16QAM | H | Outer_Full | VN | NT | -6.41 | 0.00 | PASS |
| N66 | 15 | 15 | CP-16QAM | H | Outer_Full | VH | NT | 0.67 | 0.00 | PASS |
| N66 | 15 | 20 | CP-QPSK | L | Outer_Full | VL | NT | -2.16 | 0.00 | PASS |
| N66 | 15 | 20 | CP-QPSK | L | Outer_Full | VN | NT | -7.11 | 0.00 | PASS |
| N66 | 15 | 20 | CP-QPSK | L | Outer_Full | VH | NT | 33.35 | 0.02 | PASS |
| N66 | 15 | 20 | CP-16QAM | L | Outer_Full | VL | NT | 0.46 | 0.00 | PASS |
| N66 | 15 | 20 | CP-16QAM | L | Outer_Full | VN | NT | -21.33 | -0.01 | PASS |
| N66 | 15 | 20 | CP-16QAM | L | Outer_Full | VH | NT | 30.50 | 0.02 | PASS |
| N66 | 15 | 20 | CP-QPSK | M | Outer_Full | VL | NT | 5.25 | 0.00 | PASS |
| N66 | 15 | 20 | CP-QPSK | M | Outer_Full | VN | NT | -80.46 | -0.05 | PASS |
| N66 | 15 | 20 | CP-QPSK | M | Outer_Full | VH | NT | 55.93 | 0.03 | PASS |
| N66 | 15 | 20 | CP-16QAM | M | Outer_Full | VL | NT | 5.93 | 0.00 | PASS |
| N66 | 15 | 20 | CP-16QAM | M | Outer_Full | VN | NT | -10.67 | -0.01 | PASS |
| N66 | 15 | 20 | CP-16QAM | M | Outer_Full | VH | NT | 0.68 | 0.00 | PASS |
| N66 | 15 | 20 | CP-QPSK | H | Outer_Full | VL | NT | 44.40 | 0.03 | PASS |
| N66 | 15 | 20 | CP-QPSK | H | Outer_Full | VN | NT | -12.07 | -0.01 | PASS |
| N66 | 15 | 20 | CP-QPSK | H | Outer_Full | VH | NT | -141.77 | -0.08 | PASS |
| N66 | 15 | 20 | CP-16QAM | H | Outer_Full | VL | NT | 9.40 | 0.01 | PASS |
| N66 | 15 | 20 | CP-16QAM | H | Outer_Full | VN | NT | -57.21 | -0.03 | PASS |
| N66 | 15 | 20 | CP-16QAM | H | Outer_Full | VH | NT | 6.40 | 0.00 | PASS |

Frequency Error VS. Temperature

| Voltage | | | | | | | | | | |
|---------|-----|-----------|------------|---------|------------|---------|-------------|---------------|-----------------|---------|
| Band | SCS | Bandwidth | Modulation | Channel | RB Config | Voltage | Temperature | Deviation(Hz) | Deviation (ppm) | Verdict |
| N66 | 15 | 5 | CP-QPSK | L | Outer_Full | NV | -30 | 14.696124 | 0.008582 | PASS |
| N66 | 15 | 5 | CP-QPSK | L | Outer_Full | NV | -20 | -4.747660 | -0.002772 | PASS |
| N66 | 15 | 5 | CP-QPSK | L | Outer_Full | NV | -10 | 27.997738 | 0.016349 | PASS |
| N66 | 15 | 5 | CP-QPSK | L | Outer_Full | NV | 0 | 10.465161 | 0.006111 | PASS |
| N66 | 15 | 5 | CP-QPSK | L | Outer_Full | NV | 10 | 4.909982 | 0.002867 | PASS |
| N66 | 15 | 5 | CP-QPSK | L | Outer_Full | NV | 20 | 8.754116 | 0.005112 | PASS |
| N66 | 15 | 5 | CP-QPSK | L | Outer_Full | NV | 30 | -30.312101 | -0.017700 | PASS |
| N66 | 15 | 5 | CP-QPSK | L | Outer_Full | NV | 40 | -53.423424 | -0.031196 | PASS |
| N66 | 15 | 5 | CP-QPSK | L | Outer_Full | NV | 50 | 16.193661 | 0.009456 | PASS |
| N66 | 15 | 5 | CP-16QAM | L | Outer_Full | NV | -30 | 8.004059 | 0.004674 | PASS |
| N66 | 15 | 5 | CP-16QAM | L | Outer_Full | NV | -20 | 44.313091 | 0.025876 | PASS |
| N66 | 15 | 5 | CP-16QAM | L | Outer_Full | NV | -10 | -128.625855 | -0.075110 | PASS |
| N66 | 15 | 5 | CP-16QAM | L | Outer_Full | NV | 0 | 7.760347 | 0.004532 | PASS |
| N66 | 15 | 5 | CP-16QAM | L | Outer_Full | NV | 10 | -21.829863 | -0.012747 | PASS |
| N66 | 15 | 5 | CP-16QAM | L | Outer_Full | NV | 20 | 5.328701 | 0.003112 | PASS |
| N66 | 15 | 5 | CP-16QAM | L | Outer_Full | NV | 30 | 3.531963 | 0.002062 | PASS |
| N66 | 15 | 5 | CP-16QAM | L | Outer_Full | NV | 40 | 22.513760 | 0.013147 | PASS |
| N66 | 15 | 5 | CP-16QAM | L | Outer_Full | NV | 50 | -2.248392 | -0.001313 | PASS |
| N66 | 15 | 5 | CP-QPSK | M | Outer_Full | NV | -30 | 4.345799 | 0.002490 | PASS |
| N66 | 15 | 5 | CP-QPSK | M | Outer_Full | NV | -20 | 50.469444 | 0.028922 | PASS |
| N66 | 15 | 5 | CP-QPSK | M | Outer_Full | NV | -10 | -11.104640 | -0.006364 | PASS |
| N66 | 15 | 5 | CP-QPSK | M | Outer_Full | NV | 0 | -7.274307 | -0.004169 | PASS |
| N66 | 15 | 5 | CP-QPSK | M | Outer_Full | NV | 10 | -3.453189 | -0.001979 | PASS |
| N66 | 15 | 5 | CP-QPSK | M | Outer_Full | NV | 20 | 2.855101 | 0.001636 | PASS |
| N66 | 15 | 5 | CP-QPSK | M | Outer_Full | NV | 30 | -10.426315 | -0.005975 | PASS |
| N66 | 15 | 5 | CP-QPSK | M | Outer_Full | NV | 40 | -3.432315 | -0.001967 | PASS |
| N66 | 15 | 5 | CP-QPSK | M | Outer_Full | NV | 50 | -14.931291 | -0.008557 | PASS |
| N66 | 15 | 5 | CP-16QAM | M | Outer_Full | NV | -30 | -88.714867 | -0.050839 | PASS |
| N66 | 15 | 5 | CP-16QAM | M | Outer_Full | NV | -20 | 4.346267 | 0.002491 | PASS |
| N66 | 15 | 5 | CP-16QAM | M | Outer_Full | NV | -10 | -34.467194 | -0.019752 | PASS |
| N66 | 15 | 5 | CP-16QAM | M | Outer_Full | NV | 0 | -55.775616 | -0.031963 | PASS |
| N66 | 15 | 5 | CP-16QAM | M | Outer_Full | NV | 10 | 116.628738 | 0.066836 | PASS |
| N66 | 15 | 5 | CP-16QAM | M | Outer_Full | NV | 20 | -1.254463 | -0.000719 | PASS |
| N66 | 15 | 5 | CP-16QAM | M | Outer_Full | NV | 30 | 110.406021 | 0.063270 | PASS |
| N66 | 15 | 5 | CP-16QAM | M | Outer_Full | NV | 40 | 29.559719 | 0.016940 | PASS |
| N66 | 15 | 5 | CP-16QAM | M | Outer_Full | NV | 50 | 25.228838 | 0.014458 | PASS |

| | | | | | | | | | | |
|-----|----|----|----------|---|------------|----|-----|-------------|-----------|------|
| N66 | 15 | 5 | CP-QPSK | H | Outer_Full | NV | -30 | 16.321384 | 0.009182 | PASS |
| N66 | 15 | 5 | CP-QPSK | H | Outer_Full | NV | -20 | 6.914456 | 0.003890 | PASS |
| N66 | 15 | 5 | CP-QPSK | H | Outer_Full | NV | -10 | -1.606766 | -0.000904 | PASS |
| N66 | 15 | 5 | CP-QPSK | H | Outer_Full | NV | 0 | 12.347186 | 0.006946 | PASS |
| N66 | 15 | 5 | CP-QPSK | H | Outer_Full | NV | 10 | 7.871476 | 0.004428 | PASS |
| N66 | 15 | 5 | CP-QPSK | H | Outer_Full | NV | 20 | 21.056736 | 0.011846 | PASS |
| N66 | 15 | 5 | CP-QPSK | H | Outer_Full | NV | 30 | 1.439190 | 0.000810 | PASS |
| N66 | 15 | 5 | CP-QPSK | H | Outer_Full | NV | 40 | 18.653061 | 0.010494 | PASS |
| N66 | 15 | 5 | CP-QPSK | H | Outer_Full | NV | 50 | 67.819862 | 0.038155 | PASS |
| N66 | 15 | 5 | CP-16QAM | H | Outer_Full | NV | -30 | 15.474596 | 0.008706 | PASS |
| N66 | 15 | 5 | CP-16QAM | H | Outer_Full | NV | -20 | -38.887268 | -0.021878 | PASS |
| N66 | 15 | 5 | CP-16QAM | H | Outer_Full | NV | -10 | 44.385674 | 0.024971 | PASS |
| N66 | 15 | 5 | CP-16QAM | H | Outer_Full | NV | 0 | 0.759159 | 0.000427 | PASS |
| N66 | 15 | 5 | CP-16QAM | H | Outer_Full | NV | 10 | 35.262070 | 0.019838 | PASS |
| N66 | 15 | 5 | CP-16QAM | H | Outer_Full | NV | 20 | 3.947841 | 0.002221 | PASS |
| N66 | 15 | 5 | CP-16QAM | H | Outer_Full | NV | 30 | 4.614036 | 0.002596 | PASS |
| N66 | 15 | 5 | CP-16QAM | H | Outer_Full | NV | 40 | 112.636810 | 0.063368 | PASS |
| N66 | 15 | 5 | CP-16QAM | H | Outer_Full | NV | 50 | 44.481434 | 0.025025 | PASS |
| N66 | 15 | 10 | CP-QPSK | L | Outer_Full | NV | -30 | 2.090693 | 0.001219 | PASS |
| N66 | 15 | 10 | CP-QPSK | L | Outer_Full | NV | -20 | -83.768471 | -0.048845 | PASS |
| N66 | 15 | 10 | CP-QPSK | L | Outer_Full | NV | -10 | -7.363636 | -0.004294 | PASS |
| N66 | 15 | 10 | CP-QPSK | L | Outer_Full | NV | 0 | 1.696874 | 0.000989 | PASS |
| N66 | 15 | 10 | CP-QPSK | L | Outer_Full | NV | 10 | -8.988198 | -0.005241 | PASS |
| N66 | 15 | 10 | CP-QPSK | L | Outer_Full | NV | 20 | 2.667868 | 0.001556 | PASS |
| N66 | 15 | 10 | CP-QPSK | L | Outer_Full | NV | 30 | -5.428721 | -0.003165 | PASS |
| N66 | 15 | 10 | CP-QPSK | L | Outer_Full | NV | 40 | -13.565708 | -0.007910 | PASS |
| N66 | 15 | 10 | CP-QPSK | L | Outer_Full | NV | 50 | 2.149565 | 0.001253 | PASS |
| N66 | 15 | 10 | CP-16QAM | L | Outer_Full | NV | -30 | 3.269807 | 0.001907 | PASS |
| N66 | 15 | 10 | CP-16QAM | L | Outer_Full | NV | -20 | -1.311805 | -0.000765 | PASS |
| N66 | 15 | 10 | CP-16QAM | L | Outer_Full | NV | -10 | -124.920677 | -0.072840 | PASS |
| N66 | 15 | 10 | CP-16QAM | L | Outer_Full | NV | 0 | -5.626068 | -0.003281 | PASS |
| N66 | 15 | 10 | CP-16QAM | L | Outer_Full | NV | 10 | -7.604134 | -0.004434 | PASS |
| N66 | 15 | 10 | CP-16QAM | L | Outer_Full | NV | 20 | -11.044800 | -0.006440 | PASS |
| N66 | 15 | 10 | CP-16QAM | L | Outer_Full | NV | 30 | -38.827061 | -0.022640 | PASS |
| N66 | 15 | 10 | CP-16QAM | L | Outer_Full | NV | 40 | 8.760684 | 0.005108 | PASS |
| N66 | 15 | 10 | CP-16QAM | L | Outer_Full | NV | 50 | -13.999135 | -0.008163 | PASS |
| N66 | 15 | 10 | CP-QPSK | M | Outer_Full | NV | -30 | -0.274771 | -0.000157 | PASS |
| N66 | 15 | 10 | CP-QPSK | M | Outer_Full | NV | -20 | -93.350250 | -0.053496 | PASS |
| N66 | 15 | 10 | CP-QPSK | M | Outer_Full | NV | -10 | -69.789833 | -0.039994 | PASS |
| N66 | 15 | 10 | CP-QPSK | M | Outer_Full | NV | 0 | -3.294507 | -0.001888 | PASS |
| N66 | 15 | 10 | CP-QPSK | M | Outer_Full | NV | 10 | 5.290980 | 0.003032 | PASS |

| | | | | | | | | | | |
|-----|----|----|----------|---|------------|----|-----|-------------|-----------|------|
| N66 | 15 | 10 | CP-QPSK | M | Outer_Full | NV | 20 | 80.294617 | 0.046014 | PASS |
| N66 | 15 | 10 | CP-QPSK | M | Outer_Full | NV | 30 | -9.397085 | -0.005385 | PASS |
| N66 | 15 | 10 | CP-QPSK | M | Outer_Full | NV | 40 | 2.671202 | 0.001531 | PASS |
| N66 | 15 | 10 | CP-QPSK | M | Outer_Full | NV | 50 | -40.866848 | -0.023419 | PASS |
| N66 | 15 | 10 | CP-16QAM | M | Outer_Full | NV | -30 | -6.479345 | -0.003713 | PASS |
| N66 | 15 | 10 | CP-16QAM | M | Outer_Full | NV | -20 | 8.220186 | 0.004711 | PASS |
| N66 | 15 | 10 | CP-16QAM | M | Outer_Full | NV | -10 | -9.758314 | -0.005592 | PASS |
| N66 | 15 | 10 | CP-16QAM | M | Outer_Full | NV | 0 | 2.702876 | 0.001549 | PASS |
| N66 | 15 | 10 | CP-16QAM | M | Outer_Full | NV | 10 | 11.371840 | 0.006517 | PASS |
| N66 | 15 | 10 | CP-16QAM | M | Outer_Full | NV | 20 | -2.676865 | -0.001534 | PASS |
| N66 | 15 | 10 | CP-16QAM | M | Outer_Full | NV | 30 | -6.225844 | -0.003568 | PASS |
| N66 | 15 | 10 | CP-16QAM | M | Outer_Full | NV | 40 | -43.574959 | -0.024971 | PASS |
| N66 | 15 | 10 | CP-16QAM | M | Outer_Full | NV | 50 | -2.490852 | -0.001427 | PASS |
| N66 | 15 | 10 | CP-QPSK | H | Outer_Full | NV | -30 | -88.915337 | -0.050093 | PASS |
| N66 | 15 | 10 | CP-QPSK | H | Outer_Full | NV | -20 | -41.776989 | -0.023536 | PASS |
| N66 | 15 | 10 | CP-QPSK | H | Outer_Full | NV | -10 | 30.093821 | 0.016954 | PASS |
| N66 | 15 | 10 | CP-QPSK | H | Outer_Full | NV | 0 | -8.681277 | -0.004891 | PASS |
| N66 | 15 | 10 | CP-QPSK | H | Outer_Full | NV | 10 | -4.227301 | -0.002382 | PASS |
| N66 | 15 | 10 | CP-QPSK | H | Outer_Full | NV | 20 | 2.534402 | 0.001428 | PASS |
| N66 | 15 | 10 | CP-QPSK | H | Outer_Full | NV | 30 | -7.510399 | -0.004231 | PASS |
| N66 | 15 | 10 | CP-QPSK | H | Outer_Full | NV | 40 | -0.089790 | -0.000051 | PASS |
| N66 | 15 | 10 | CP-QPSK | H | Outer_Full | NV | 50 | -72.403305 | -0.040791 | PASS |
| N66 | 15 | 10 | CP-16QAM | H | Outer_Full | NV | -30 | -6.771945 | -0.003815 | PASS |
| N66 | 15 | 10 | CP-16QAM | H | Outer_Full | NV | -20 | -127.396935 | -0.071773 | PASS |
| N66 | 15 | 10 | CP-16QAM | H | Outer_Full | NV | -10 | -50.522030 | -0.028463 | PASS |
| N66 | 15 | 10 | CP-16QAM | H | Outer_Full | NV | 0 | -7.604138 | -0.004284 | PASS |
| N66 | 15 | 10 | CP-16QAM | H | Outer_Full | NV | 10 | 4.599642 | 0.002591 | PASS |
| N66 | 15 | 10 | CP-16QAM | H | Outer_Full | NV | 20 | 5.587103 | 0.003148 | PASS |
| N66 | 15 | 10 | CP-16QAM | H | Outer_Full | NV | 30 | -5.099291 | -0.002873 | PASS |
| N66 | 15 | 10 | CP-16QAM | H | Outer_Full | NV | 40 | 6.542578 | 0.003686 | PASS |
| N66 | 15 | 10 | CP-16QAM | H | Outer_Full | NV | 50 | 1.903455 | 0.001072 | PASS |
| N66 | 15 | 15 | CP-QPSK | L | Outer_Full | NV | -30 | 66.207520 | 0.038549 | PASS |
| N66 | 15 | 15 | CP-QPSK | L | Outer_Full | NV | -20 | 12.898934 | 0.007510 | PASS |
| N66 | 15 | 15 | CP-QPSK | L | Outer_Full | NV | -10 | -64.099190 | -0.037321 | PASS |
| N66 | 15 | 15 | CP-QPSK | L | Outer_Full | NV | 0 | 11.795528 | 0.006868 | PASS |
| N66 | 15 | 15 | CP-QPSK | L | Outer_Full | NV | 10 | 14.246482 | 0.008295 | PASS |
| N66 | 15 | 15 | CP-QPSK | L | Outer_Full | NV | 20 | -99.248726 | -0.057787 | PASS |
| N66 | 15 | 15 | CP-QPSK | L | Outer_Full | NV | 30 | 1.298212 | 0.000756 | PASS |
| N66 | 15 | 15 | CP-QPSK | L | Outer_Full | NV | 40 | 6.626017 | 0.003858 | PASS |
| N66 | 15 | 15 | CP-QPSK | L | Outer_Full | NV | 50 | 13.715869 | 0.007986 | PASS |
| N66 | 15 | 15 | CP-16QAM | L | Outer_Full | NV | -30 | 4.713036 | 0.002744 | PASS |

| | | | | | | | | | | |
|-----|----|----|----------|---|------------|----|-----|------------|-----------|------|
| N66 | 15 | 15 | CP-16QAM | L | Outer_Full | NV | -20 | -4.356457 | -0.002537 | PASS |
| N66 | 15 | 15 | CP-16QAM | L | Outer_Full | NV | -10 | 6.269342 | 0.003650 | PASS |
| N66 | 15 | 15 | CP-16QAM | L | Outer_Full | NV | 0 | 47.611042 | 0.027721 | PASS |
| N66 | 15 | 15 | CP-16QAM | L | Outer_Full | NV | 10 | 12.153096 | 0.007076 | PASS |
| N66 | 15 | 15 | CP-16QAM | L | Outer_Full | NV | 20 | -54.123924 | -0.031513 | PASS |
| N66 | 15 | 15 | CP-16QAM | L | Outer_Full | NV | 30 | -7.316177 | -0.004260 | PASS |
| N66 | 15 | 15 | CP-16QAM | L | Outer_Full | NV | 40 | 9.971355 | 0.005806 | PASS |
| N66 | 15 | 15 | CP-16QAM | L | Outer_Full | NV | 50 | 3.031809 | 0.001765 | PASS |
| N66 | 15 | 15 | CP-QPSK | M | Outer_Full | NV | -30 | -2.637256 | -0.001511 | PASS |
| N66 | 15 | 15 | CP-QPSK | M | Outer_Full | NV | -20 | -60.606266 | -0.034731 | PASS |
| N66 | 15 | 15 | CP-QPSK | M | Outer_Full | NV | -10 | -2.879928 | -0.001650 | PASS |
| N66 | 15 | 15 | CP-QPSK | M | Outer_Full | NV | 0 | 0.995857 | 0.000571 | PASS |
| N66 | 15 | 15 | CP-QPSK | M | Outer_Full | NV | 10 | -64.668335 | -0.037059 | PASS |
| N66 | 15 | 15 | CP-QPSK | M | Outer_Full | NV | 20 | 32.880157 | 0.018842 | PASS |
| N66 | 15 | 15 | CP-QPSK | M | Outer_Full | NV | 30 | 2.665569 | 0.001528 | PASS |
| N66 | 15 | 15 | CP-QPSK | M | Outer_Full | NV | 40 | 10.914977 | 0.006255 | PASS |
| N66 | 15 | 15 | CP-QPSK | M | Outer_Full | NV | 50 | -37.590218 | -0.021542 | PASS |
| N66 | 15 | 15 | CP-16QAM | M | Outer_Full | NV | -30 | 147.575760 | 0.084571 | PASS |
| N66 | 15 | 15 | CP-16QAM | M | Outer_Full | NV | -20 | 19.747822 | 0.011317 | PASS |
| N66 | 15 | 15 | CP-16QAM | M | Outer_Full | NV | -10 | -1.676133 | -0.000961 | PASS |
| N66 | 15 | 15 | CP-16QAM | M | Outer_Full | NV | 0 | -7.132769 | -0.004088 | PASS |
| N66 | 15 | 15 | CP-16QAM | M | Outer_Full | NV | 10 | -13.603540 | -0.007796 | PASS |
| N66 | 15 | 15 | CP-16QAM | M | Outer_Full | NV | 20 | 20.413549 | 0.011698 | PASS |
| N66 | 15 | 15 | CP-16QAM | M | Outer_Full | NV | 30 | -2.829651 | -0.001622 | PASS |
| N66 | 15 | 15 | CP-16QAM | M | Outer_Full | NV | 40 | -7.194384 | -0.004123 | PASS |
| N66 | 15 | 15 | CP-16QAM | M | Outer_Full | NV | 50 | -11.905391 | -0.006823 | PASS |
| N66 | 15 | 15 | CP-QPSK | H | Outer_Full | NV | -30 | -12.793799 | -0.007218 | PASS |
| N66 | 15 | 15 | CP-QPSK | H | Outer_Full | NV | -20 | -2.386836 | -0.001347 | PASS |
| N66 | 15 | 15 | CP-QPSK | H | Outer_Full | NV | -10 | 60.438175 | 0.034098 | PASS |
| N66 | 15 | 15 | CP-QPSK | H | Outer_Full | NV | 0 | -20.328970 | -0.011469 | PASS |
| N66 | 15 | 15 | CP-QPSK | H | Outer_Full | NV | 10 | 65.060020 | 0.036705 | PASS |
| N66 | 15 | 15 | CP-QPSK | H | Outer_Full | NV | 20 | 151.339264 | 0.085382 | PASS |
| N66 | 15 | 15 | CP-QPSK | H | Outer_Full | NV | 30 | -5.350858 | -0.003019 | PASS |
| N66 | 15 | 15 | CP-QPSK | H | Outer_Full | NV | 40 | -0.687161 | -0.000388 | PASS |
| N66 | 15 | 15 | CP-QPSK | H | Outer_Full | NV | 50 | 4.383509 | 0.002473 | PASS |
| N66 | 15 | 15 | CP-16QAM | H | Outer_Full | NV | -30 | -9.132710 | -0.005152 | PASS |
| N66 | 15 | 15 | CP-16QAM | H | Outer_Full | NV | -20 | -1.452111 | -0.000819 | PASS |
| N66 | 15 | 15 | CP-16QAM | H | Outer_Full | NV | -10 | -12.740311 | -0.007188 | PASS |
| N66 | 15 | 15 | CP-16QAM | H | Outer_Full | NV | 0 | -3.199823 | -0.001805 | PASS |
| N66 | 15 | 15 | CP-16QAM | H | Outer_Full | NV | 10 | -25.160288 | -0.014195 | PASS |
| N66 | 15 | 15 | CP-16QAM | H | Outer_Full | NV | 20 | -1.866262 | -0.001053 | PASS |

| | | | | | | | | | | |
|-----|----|----|----------|---|------------|----|-----|------------|-----------|------|
| N66 | 15 | 15 | CP-16QAM | H | Outer_Full | NV | 30 | -10.459673 | -0.005901 | PASS |
| N66 | 15 | 15 | CP-16QAM | H | Outer_Full | NV | 40 | 0.252425 | 0.000142 | PASS |
| N66 | 15 | 15 | CP-16QAM | H | Outer_Full | NV | 50 | -8.407137 | -0.004743 | PASS |
| N66 | 15 | 20 | CP-QPSK | L | Outer_Full | NV | -30 | -9.458969 | -0.005499 | PASS |
| N66 | 15 | 20 | CP-QPSK | L | Outer_Full | NV | -20 | -12.703819 | -0.007386 | PASS |
| N66 | 15 | 20 | CP-QPSK | L | Outer_Full | NV | -10 | -13.186847 | -0.007667 | PASS |
| N66 | 15 | 20 | CP-QPSK | L | Outer_Full | NV | 0 | -11.252694 | -0.006542 | PASS |
| N66 | 15 | 20 | CP-QPSK | L | Outer_Full | NV | 10 | -8.392533 | -0.004879 | PASS |
| N66 | 15 | 20 | CP-QPSK | L | Outer_Full | NV | 20 | -1.754646 | -0.001020 | PASS |
| N66 | 15 | 20 | CP-QPSK | L | Outer_Full | NV | 30 | -14.453035 | -0.008403 | PASS |
| N66 | 15 | 20 | CP-QPSK | L | Outer_Full | NV | 40 | -76.960762 | -0.044745 | PASS |
| N66 | 15 | 20 | CP-QPSK | L | Outer_Full | NV | 50 | -20.296293 | -0.011800 | PASS |
| N66 | 15 | 20 | CP-16QAM | L | Outer_Full | NV | -30 | -2.336546 | -0.001358 | PASS |
| N66 | 15 | 20 | CP-16QAM | L | Outer_Full | NV | -20 | -11.246311 | -0.006539 | PASS |
| N66 | 15 | 20 | CP-16QAM | L | Outer_Full | NV | -10 | -30.388924 | -0.017668 | PASS |
| N66 | 15 | 20 | CP-16QAM | L | Outer_Full | NV | 0 | -7.748633 | -0.004505 | PASS |
| N66 | 15 | 20 | CP-16QAM | L | Outer_Full | NV | 10 | -17.046846 | -0.009911 | PASS |
| N66 | 15 | 20 | CP-16QAM | L | Outer_Full | NV | 20 | -83.061066 | -0.048291 | PASS |
| N66 | 15 | 20 | CP-16QAM | L | Outer_Full | NV | 30 | -11.163736 | -0.006491 | PASS |
| N66 | 15 | 20 | CP-16QAM | L | Outer_Full | NV | 40 | 43.369129 | 0.025215 | PASS |
| N66 | 15 | 20 | CP-16QAM | L | Outer_Full | NV | 50 | 0.820631 | 0.000477 | PASS |
| N66 | 15 | 20 | CP-QPSK | M | Outer_Full | NV | -30 | -98.817551 | -0.056629 | PASS |
| N66 | 15 | 20 | CP-QPSK | M | Outer_Full | NV | -20 | 21.387653 | 0.012257 | PASS |
| N66 | 15 | 20 | CP-QPSK | M | Outer_Full | NV | -10 | 11.722620 | 0.006718 | PASS |
| N66 | 15 | 20 | CP-QPSK | M | Outer_Full | NV | 0 | -44.490784 | -0.025496 | PASS |
| N66 | 15 | 20 | CP-QPSK | M | Outer_Full | NV | 10 | 8.838857 | 0.005065 | PASS |
| N66 | 15 | 20 | CP-QPSK | M | Outer_Full | NV | 20 | 6.280823 | 0.003599 | PASS |
| N66 | 15 | 20 | CP-QPSK | M | Outer_Full | NV | 30 | -7.186707 | -0.004118 | PASS |
| N66 | 15 | 20 | CP-QPSK | M | Outer_Full | NV | 40 | 33.548122 | 0.019225 | PASS |
| N66 | 15 | 20 | CP-QPSK | M | Outer_Full | NV | 50 | 11.448024 | 0.006560 | PASS |
| N66 | 15 | 20 | CP-16QAM | M | Outer_Full | NV | -30 | -63.482880 | -0.036380 | PASS |
| N66 | 15 | 20 | CP-16QAM | M | Outer_Full | NV | -20 | 5.443796 | 0.003120 | PASS |
| N66 | 15 | 20 | CP-16QAM | M | Outer_Full | NV | -10 | -2.074569 | -0.001189 | PASS |
| N66 | 15 | 20 | CP-16QAM | M | Outer_Full | NV | 0 | -8.242838 | -0.004724 | PASS |
| N66 | 15 | 20 | CP-16QAM | M | Outer_Full | NV | 10 | -28.275866 | -0.016204 | PASS |
| N66 | 15 | 20 | CP-16QAM | M | Outer_Full | NV | 20 | -85.219078 | -0.048836 | PASS |
| N66 | 15 | 20 | CP-16QAM | M | Outer_Full | NV | 30 | -28.111052 | -0.016109 | PASS |
| N66 | 15 | 20 | CP-16QAM | M | Outer_Full | NV | 40 | -9.758842 | -0.005592 | PASS |
| N66 | 15 | 20 | CP-16QAM | M | Outer_Full | NV | 50 | -24.532949 | -0.014059 | PASS |
| N66 | 15 | 20 | CP-QPSK | H | Outer_Full | NV | -30 | -5.122759 | -0.002894 | PASS |
| N66 | 15 | 20 | CP-QPSK | H | Outer_Full | NV | -20 | 4.125290 | 0.002331 | PASS |

| | | | | | | | | | | |
|-----|----|----|----------|---|------------|----|-----|-------------|-----------|------|
| N66 | 15 | 20 | CP-QPSK | H | Outer_Full | NV | -10 | -0.971094 | -0.000549 | PASS |
| N66 | 15 | 20 | CP-QPSK | H | Outer_Full | NV | 0 | 51.746681 | 0.029235 | PASS |
| N66 | 15 | 20 | CP-QPSK | H | Outer_Full | NV | 10 | -3.611131 | -0.002040 | PASS |
| N66 | 15 | 20 | CP-QPSK | H | Outer_Full | NV | 20 | -3.296409 | -0.001862 | PASS |
| N66 | 15 | 20 | CP-QPSK | H | Outer_Full | NV | 30 | 22.312811 | 0.012606 | PASS |
| N66 | 15 | 20 | CP-QPSK | H | Outer_Full | NV | 40 | 107.286652 | 0.060614 | PASS |
| N66 | 15 | 20 | CP-QPSK | H | Outer_Full | NV | 50 | 7.874304 | 0.004449 | PASS |
| N66 | 15 | 20 | CP-16QAM | H | Outer_Full | NV | -30 | 12.566352 | 0.007100 | PASS |
| N66 | 15 | 20 | CP-16QAM | H | Outer_Full | NV | -20 | 2.745475 | 0.001551 | PASS |
| N66 | 15 | 20 | CP-16QAM | H | Outer_Full | NV | -10 | -21.247530 | -0.012004 | PASS |
| N66 | 15 | 20 | CP-16QAM | H | Outer_Full | NV | 0 | -10.186362 | -0.005755 | PASS |
| N66 | 15 | 20 | CP-16QAM | H | Outer_Full | NV | 10 | -7.079015 | -0.003999 | PASS |
| N66 | 15 | 20 | CP-16QAM | H | Outer_Full | NV | 20 | 2.774519 | 0.001568 | PASS |
| N66 | 15 | 20 | CP-16QAM | H | Outer_Full | NV | 30 | -102.884293 | -0.058127 | PASS |
| N66 | 15 | 20 | CP-16QAM | H | Outer_Full | NV | 40 | 4.518577 | 0.002553 | PASS |
| N66 | 15 | 20 | CP-16QAM | H | Outer_Full | NV | 50 | 70.598915 | 0.039886 | PASS |