# Appendix A : Test Result - n77-(3.45G)

## 1. Conducted Output Power

| Condition | Band | SCS (kHz) | Bandwidth (MHz) | UL Channel | RB Allocation | Modulation | Power (dBm) | GT - Lc (dB) | EIRP (dBm) | EIRP (mW) | EIRP Limit (mW) | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 24@0 | DFT_BPSK | 23.31 | -2.5 | 20.81 | 120.5 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 12@6 | DFT_BPSK | 23.87 | -2.5 | 21.37 | 137.09 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 1@1 | DFT_BPSK | 23.71 | -2.5 | 21.21 | 132.13 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 1@22 | DFT_BPSK | 23.72 | -2.5 | 21.22 | 132.43 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 24@0 | DFT_QPSK | 22.77 | -2.5 | 20.27 | 106.41 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 12@6 | DFT_QPSK | 23.8 | -2.5 | 21.3 | 134.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 1@1 | DFT_QPSK | 23.71 | -2.5 | 21.21 | 132.13 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 1@22 | DFT_QPSK | 23.7 | -2.5 | 21.2 | 131.83 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 24@0 | DFT_16QAM | 21.75 | -2.5 | 19.25 | 84.14 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 12@6 | DFT_16QAM | 22.85 | -2.5 | 20.35 | 108.39 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 1@1 | DFT_16QAM | 22.69 | -2.5 | 20.19 | 104.47 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 1@22 | DFT_16QAM | 22.71 | -2.5 | 20.21 | 104.95 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 24@0 | DFT_64QAM | 21.29 | -2.5 | 18.79 | 75.68 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 12@6 | DFT_64QAM | 21.37 | -2.5 | 18.87 | 77.09 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 1@1 | DFT_64QAM | 21.1 | -2.5 | 18.6 | 72.44 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 1@22 | DFT_64QAM | 21.1 | -2.5 | 18.6 | 72.44 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 10 | 630334 | 24@0 | DFT_256QA | 19.26 | -2. | 16.7 | 47.42 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 5 | 6 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 12@6 | DFT_256QAM | 19.26 | -2.5 | 16.76 | 47.42 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 1@1 | DFT_256QAM | 19.33 | -2.5 | 16.83 | 48.19 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 1@22 | DFT_256QAM | 19.35 | -2.5 | 16.85 | 48.42 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 24@0 | CP_QPSK | 20.7 | -2.5 | 18.2 | 66.07 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 12@6 | CP_QPSK | 22.22 | -2.5 | 19.72 | 93.76 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 1@1 | CP_QPSK | 22.2 | -2.5 | 19.7 | 93.33 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 1@22 | CP_QPSK | 22.2 | -2.5 | 19.7 | 93.33 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 24@0 | CP_16QAM | 20.72 | -2.5 | 18.22 | 66.37 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 12@6 | CP_16QAM | 21.65 | -2.5 | 19.15 | 82.22 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 1@1 | CP_16QAM | 21.87 | -2.5 | 19.37 | 86.5 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 1@22 | CP_16QAM | 21.84 | -2.5 | 19.34 | 85.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 24@0 | CP_64QAM | 20.18 | -2.5 | 17.68 | 58.61 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 12@6 | CP_64QAM | 20.28 | -2.5 | 17.78 | 59.98 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 1@1 | CP_64QAM | 20.24 | -2.5 | 17.74 | 59.43 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 1@22 | CP_64QAM | 20.24 | -2.5 | 17.74 | 59.43 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 24@0 | CP_256QAM | 17.28 | -2.5 | 14.78 | 30.06 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 12@6 | CP_256QAM | 17.4 | -2.5 | 14.9 | 30.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 1@1 | CP_256QAM | 17.45 | -2.5 | 14.95 | 31.26 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 630334 | 1@22 | CP_256QAM | 17.44 | -2.5 | 14.94 | 31.19 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 24@0 | DFT_BPSK | 23.35 | -2.5 | 20.85 | 121.62 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 12@6 | DFT_BPSK | 23.86 | -2.5 | 21.36 | 136.77 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 10 | 633334 | 1@1 | DFT_BPSK | 23.79 | -2. | 21.2 | 134.5 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 5 | 9 | 9 | 0 | |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 1@22 | DFT_BPSK | 23.78 | -2.5 | 21.28 | 134.28 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 24@0 | DFT_QPSK | 22.85 | -2.5 | 20.35 | 108.39 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 12@6 | DFT_QPSK | 23.87 | -2.5 | 21.37 | 137.09 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 1@1 | DFT_QPSK | 23.81 | -2.5 | 21.31 | 135.21 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 1@22 | DFT_QPSK | 23.81 | -2.5 | 21.31 | 135.21 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 24@0 | DFT_16QAM | 21.85 | -2.5 | 19.35 | 86.1 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 12@6 | DFT_16QAM | 22.78 | -2.5 | 20.28 | 106.66 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 1@1 | DFT_16QAM | 22.97 | -2.5 | 20.47 | 111.43 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 1@22 | DFT_16QAM | 23.02 | -2.5 | 20.52 | 112.72 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 24@0 | DFT_64QAM | 21.36 | -2.5 | 18.86 | 76.91 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 12@6 | DFT_64QAM | 21.37 | -2.5 | 18.87 | 77.09 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 1@1 | DFT_64QAM | 21.51 | -2.5 | 19.01 | 79.62 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 1@22 | DFT_64QAM | 21.5 | -2.5 | 19 | 79.43 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 24@0 | DFT_256QAM | 19.37 | -2.5 | 16.87 | 48.64 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 12@6 | DFT_256QAM | 19.32 | -2.5 | 16.82 | 48.08 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 1@1 | DFT_256QAM | 19.52 | -2.5 | 17.02 | 50.35 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 1@22 | DFT_256QAM | 19.48 | -2.5 | 16.98 | 49.89 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 24@0 | CP_QPSK | 20.79 | -2.5 | 18.29 | 67.45 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 12@6 | CP_QPSK | 22.33 | -2.5 | 19.83 | 96.16 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 1@1 | CP_QPSK | 22.3 | -2.5 | 19.8 | 95.5 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 1@22 | CP_QPSK | 22.28 | -2.5 | 19.78 | 95.06 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 10 | 633334 | 24@0 | CP_16QAM | 20.91 | -2. | 18.4 | 69.34 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 5 | 1 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 12@6 | CP_16QAM | 21.86 | -2.5 | 19.36 | 86.3 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 1@1 | CP_16QAM | 21.72 | -2.5 | 19.22 | 83.56 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 1@22 | CP_16QAM | 21.7 | -2.5 | 19.2 | 83.18 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 24@0 | CP_64QAM | 20.34 | -2.5 | 17.84 | 60.81 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 12@6 | CP_64QAM | 20.44 | -2.5 | 17.94 | 62.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 1@1 | CP_64QAM | 20.43 | -2.5 | 17.93 | 62.09 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 1@22 | CP_64QAM | 20.41 | -2.5 | 17.91 | 61.8 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 24@0 | CP_256QAM | 17.4 | -2.5 | 14.9 | 30.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 12@6 | CP_256QAM | 17.36 | -2.5 | 14.86 | 30.62 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 1@1 | CP_256QAM | 17.58 | -2.5 | 15.08 | 32.21 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 1@22 | CP_256QAM | 17.53 | -2.5 | 15.03 | 31.84 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 24@0 | DFT_BPSK | 23.7 | -2.5 | 21.2 | 131.83 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 12@6 | DFT_BPSK | 24.23 | -2.5 | 21.73 | 148.94 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 1@1 | DFT_BPSK | 24.14 | -2.5 | 21.64 | 145.88 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 1@22 | DFT_BPSK | 24.14 | -2.5 | 21.64 | 145.88 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 24@0 | DFT_QPSK | 23.19 | -2.5 | 20.69 | 117.22 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 12@6 | DFT_QPSK | 24.27 | -2.5 | 21.77 | 150.31 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 1@1 | DFT_QPSK | 24.18 | -2.5 | 21.68 | 147.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 1@22 | DFT_QPSK | 24.18 | -2.5 | 21.68 | 147.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 24@0 | DFT_16QAM | 22.21 | -2.5 | 19.71 | 93.54 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 12@6 | DFT_16QAM | 23.19 | -2.5 | 20.69 | 117.22 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 10 | 636332 | 1@1 | DFT_16QA | 23.46 | -2. | 20.9 | 124.7 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 5 | 6 | 4 | 0 | |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 1@22 | DFT_16QAM | 23.39 | -2.5 | 20.89 | 122.74 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 24@0 | DFT_64QAM | 21.68 | -2.5 | 19.18 | 82.79 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 12@6 | DFT_64QAM | 21.75 | -2.5 | 19.25 | 84.14 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 1@1 | DFT_64QAM | 21.89 | -2.5 | 19.39 | 86.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 1@22 | DFT_64QAM | 21.87 | -2.5 | 19.37 | 86.5 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 24@0 | DFT_256QAM | 19.69 | -2.5 | 17.19 | 52.36 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 12@6 | DFT_256QAM | 19.7 | -2.5 | 17.2 | 52.48 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 1@1 | DFT_256QAM | 19.89 | -2.5 | 17.39 | 54.83 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 1@22 | DFT_256QAM | 19.92 | -2.5 | 17.42 | 55.21 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 24@0 | CP_QPSK | 21.15 | -2.5 | 18.65 | 73.28 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 12@6 | CP_QPSK | 22.68 | -2.5 | 20.18 | 104.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 1@1 | CP_QPSK | 22.68 | -2.5 | 20.18 | 104.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 1@22 | CP_QPSK | 22.69 | -2.5 | 20.19 | 104.47 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 24@0 | CP_16QAM | 21.25 | -2.5 | 18.75 | 74.99 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 12@6 | CP_16QAM | 22.18 | -2.5 | 19.68 | 92.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 1@1 | CP_16QAM | 21.98 | -2.5 | 19.48 | 88.72 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 1@22 | CP_16QAM | 22.07 | -2.5 | 19.57 | 90.57 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 24@0 | CP_64QAM | 20.68 | -2.5 | 18.18 | 65.77 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 12@6 | CP_64QAM | 20.84 | -2.5 | 18.34 | 68.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 1@1 | CP_64QAM | 20.8 | -2.5 | 18.3 | 67.61 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 1@22 | CP_64QAM | 20.78 | -2.5 | 18.28 | 67.3 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 10 | 636332 | 24@0 | CP_256QA | 17.66 | -2. | 15.1 | 32.81 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 5 | 6 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 12@6 | CP_256QAM | 17.8 | -2.5 | 15.3 | 33.88 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 1@1 | CP_256QAM | 17.88 | -2.5 | 15.38 | 34.51 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 636332 | 1@22 | CP_256QAM | 17.6 | -2.5 | 15.1 | 32.36 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 36@0 | DFT_BPSK | 23.37 | -2.5 | 20.87 | 122.18 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 18@9 | DFT_BPSK | 23.89 | -2.5 | 21.39 | 137.72 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 1@1 | DFT_BPSK | 23.84 | -2.5 | 21.34 | 136.14 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 1@36 | DFT_BPSK | 23.85 | -2.5 | 21.35 | 136.46 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 36@0 | DFT_QPSK | 22.91 | -2.5 | 20.41 | 109.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 18@9 | DFT_QPSK | 23.92 | -2.5 | 21.42 | 138.68 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 1@1 | DFT_QPSK | 23.88 | -2.5 | 21.38 | 137.4 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 1@36 | DFT_QPSK | 23.82 | -2.5 | 21.32 | 135.52 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 36@0 | DFT_16QAM | 21.91 | -2.5 | 19.41 | 87.3 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 18@9 | DFT_16QAM | 22.92 | -2.5 | 20.42 | 110.15 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 1@1 | DFT_16QAM | 23.08 | -2.5 | 20.58 | 114.29 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 1@36 | DFT_16QAM | 23.06 | -2.5 | 20.56 | 113.76 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 36@0 | DFT_64QAM | 21.39 | -2.5 | 18.89 | 77.45 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 18@9 | DFT_64QAM | 21.48 | -2.5 | 18.98 | 79.07 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 1@1 | DFT_64QAM | 21.59 | -2.5 | 19.09 | 81.1 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 1@36 | DFT_64QAM | 21.61 | -2.5 | 19.11 | 81.47 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 36@0 | DFT_256QAM | 19.37 | -2.5 | 16.87 | 48.64 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 18@9 | DFT_256QAM | 19.45 | -2.5 | 16.95 | 49.55 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 15 | 630500 | 1@1 | DFT_256QA | 19.56 | -2. | 17.0 | 50.82 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 5 | 6 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 1@36 | DFT_256QAM | 19.58 | -2.5 | 17.08 | 51.05 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 38@0 | CP_QPSK | 20.9 | -2.5 | 18.4 | 69.18 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 19@9 | CP_QPSK | 22.41 | -2.5 | 19.91 | 97.95 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 1@1 | CP_QPSK | 22.3 | -2.5 | 19.8 | 95.5 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 1@36 | CP_QPSK | 22.31 | -2.5 | 19.81 | 95.72 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 38@0 | CP_16QAM | 20.87 | -2.5 | 18.37 | 68.71 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 19@9 | CP_16QAM | 21.92 | -2.5 | 19.42 | 87.5 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 1@1 | CP_16QAM | 21.7 | -2.5 | 19.2 | 83.18 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 1@36 | CP_16QAM | 21.74 | -2.5 | 19.24 | 83.95 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 38@0 | CP_64QAM | 20.41 | -2.5 | 17.91 | 61.8 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 19@9 | CP_64QAM | 20.44 | -2.5 | 17.94 | 62.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 1@1 | CP_64QAM | 20.37 | -2.5 | 17.87 | 61.24 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 1@36 | CP_64QAM | 20.38 | -2.5 | 17.88 | 61.38 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 38@0 | CP_256QAM | 17.3 | -2.5 | 14.8 | 30.2 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 19@9 | CP_256QAM | 17.38 | -2.5 | 14.88 | 30.76 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 1@1 | CP_256QAM | 17.6 | -2.5 | 15.1 | 32.36 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 630500 | 1@36 | CP_256QAM | 17.61 | -2.5 | 15.11 | 32.43 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 36@0 | DFT_BPSK | 23.36 | -2.5 | 20.86 | 121.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 18@9 | DFT_BPSK | 23.84 | -2.5 | 21.34 | 136.14 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 1@1 | DFT_BPSK | 23.79 | -2.5 | 21.29 | 134.59 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 1@36 | DFT_BPSK | 23.76 | -2.5 | 21.26 | 133.66 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 15 | 633334 | 36@0 | DFT_QPSK | 22.87 | -2. | 20.3 | 108.8 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 5 | 7 | 9 | 0 | |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 18@9 | DFT_QPSK | 23.82 | -2.5 | 21.32 | 135.52 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 1@1 | DFT_QPSK | 23.83 | -2.5 | 21.33 | 135.83 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 1@36 | DFT_QPSK | 23.8 | -2.5 | 21.3 | 134.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 36@0 | DFT_16QAM | 21.89 | -2.5 | 19.39 | 86.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 18@9 | DFT_16QAM | 22.86 | -2.5 | 20.36 | 108.64 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 1@1 | DFT_16QAM | 23.03 | -2.5 | 20.53 | 112.98 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 1@36 | DFT_16QAM | 23.02 | -2.5 | 20.52 | 112.72 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 36@0 | DFT_64QAM | 21.37 | -2.5 | 18.87 | 77.09 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 18@9 | DFT_64QAM | 21.4 | -2.5 | 18.9 | 77.62 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 1@1 | DFT_64QAM | 21.53 | -2.5 | 19.03 | 79.98 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 1@36 | DFT_64QAM | 21.52 | -2.5 | 19.02 | 79.8 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 36@0 | DFT_256QAM | 19.3 | -2.5 | 16.8 | 47.86 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 18@9 | DFT_256QAM | 19.36 | -2.5 | 16.86 | 48.53 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 1@1 | DFT_256QAM | 19.53 | -2.5 | 17.03 | 50.47 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 1@36 | DFT_256QAM | 19.51 | -2.5 | 17.01 | 50.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 38@0 | CP_QPSK | 20.86 | -2.5 | 18.36 | 68.55 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 19@9 | CP_QPSK | 22.32 | -2.5 | 19.82 | 95.94 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 1@1 | CP_QPSK | 22.26 | -2.5 | 19.76 | 94.62 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 1@36 | CP_QPSK | 22.26 | -2.5 | 19.76 | 94.62 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 38@0 | CP_16QAM | 20.84 | -2.5 | 18.34 | 68.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 19@9 | CP_16QAM | 21.87 | -2.5 | 19.37 | 86.5 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 15 | 633334 | 1@1 | CP_16QAM | 21.74 | -2. | 19.2 | 83.95 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 5 | 4 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 1@36 | CP_16QAM | 21.75 | -2.5 | 19.25 | 84.14 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 38@0 | CP_64QAM | 20.38 | -2.5 | 17.88 | 61.38 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 19@9 | CP_64QAM | 20.36 | -2.5 | 17.86 | 61.09 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 1@1 | CP_64QAM | 20.37 | -2.5 | 17.87 | 61.24 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 1@36 | CP_64QAM | 20.33 | -2.5 | 17.83 | 60.67 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 38@0 | CP_256QAM | 17.36 | -2.5 | 14.86 | 30.62 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 19@9 | CP_256QAM | 17.3 | -2.5 | 14.8 | 30.2 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 1@1 | CP_256QAM | 17.56 | -2.5 | 15.06 | 32.06 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 1@36 | CP_256QAM | 17.53 | -2.5 | 15.03 | 31.84 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 36@0 | DFT_BPSK | 23.68 | -2.5 | 21.18 | 131.22 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 18@9 | DFT_BPSK | 24.18 | -2.5 | 21.68 | 147.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 1@1 | DFT_BPSK | 24.13 | -2.5 | 21.63 | 145.55 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 1@36 | DFT_BPSK | 24.12 | -2.5 | 21.62 | 145.21 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 36@0 | DFT_QPSK | 23.18 | -2.5 | 20.68 | 116.95 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 18@9 | DFT_QPSK | 24.16 | -2.5 | 21.66 | 146.55 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 1@1 | DFT_QPSK | 24.16 | -2.5 | 21.66 | 146.55 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 1@36 | DFT_QPSK | 24.15 | -2.5 | 21.65 | 146.22 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 36@0 | DFT_16QAM | 22.21 | -2.5 | 19.71 | 93.54 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 18@9 | DFT_16QAM | 23.18 | -2.5 | 20.68 | 116.95 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 1@1 | DFT_16QAM | 23.37 | -2.5 | 20.87 | 122.18 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 1@36 | DFT_16QAM | 23.38 | -2.5 | 20.88 | 122.46 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 15 | 636166 | 36@0 | DFT_64QA | 21.68 | -2. | 19.1 | 82.79 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 5 | 8 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 18@9 | DFT_64QAM | 21.74 | -2.5 | 19.24 | 83.95 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 1@1 | DFT_64QAM | 21.89 | -2.5 | 19.39 | 86.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 1@36 | DFT_64QAM | 21.85 | -2.5 | 19.35 | 86.1 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 36@0 | DFT_256QAM | 19.64 | -2.5 | 17.14 | 51.76 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 18@9 | DFT_256QAM | 19.73 | -2.5 | 17.23 | 52.84 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 1@1 | DFT_256QAM | 19.84 | -2.5 | 17.34 | 54.2 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 1@36 | DFT_256QAM | 19.82 | -2.5 | 17.32 | 53.95 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 38@0 | CP_QPSK | 21.14 | -2.5 | 18.64 | 73.11 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 19@9 | CP_QPSK | 22.69 | -2.5 | 20.19 | 104.47 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 1@1 | CP_QPSK | 22.61 | -2.5 | 20.11 | 102.57 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 1@36 | CP_QPSK | 22.61 | -2.5 | 20.11 | 102.57 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 38@0 | CP_16QAM | 21.12 | -2.5 | 18.62 | 72.78 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 19@9 | CP_16QAM | 22.18 | -2.5 | 19.68 | 92.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 1@1 | CP_16QAM | 22.03 | -2.5 | 19.53 | 89.74 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 1@36 | CP_16QAM | 22.06 | -2.5 | 19.56 | 90.36 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 38@0 | CP_64QAM | 20.71 | -2.5 | 18.21 | 66.22 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 19@9 | CP_64QAM | 20.69 | -2.5 | 18.19 | 65.92 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 1@1 | CP_64QAM | 20.67 | -2.5 | 18.17 | 65.61 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 1@36 | CP_64QAM | 20.66 | -2.5 | 18.16 | 65.46 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 38@0 | CP_256QAM | 17.65 | -2.5 | 15.15 | 32.73 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 19@9 | CP_256QAM | 17.61 | -2.5 | 15.11 | 32.43 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 15 | 636166 | 1@1 | CP_256QA | 17.85 | -2. | 15.3 | 34.28 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 5 | 5 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 15 | 636166 | 1@36 | CP_256QAM | 17.6 | -2.5 | 15.1 | 32.36 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 50@0 | DFT_BPSK | 23.48 | -2.5 | 20.98 | 125.31 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 25@12 | DFT_BPSK | 23.95 | -2.5 | 21.45 | 139.64 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 1@1 | DFT_BPSK | 23.88 | -2.5 | 21.38 | 137.4 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 1@49 | DFT_BPSK | 23.9 | -2.5 | 21.4 | 138.04 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 50@0 | DFT_QPSK | 22.97 | -2.5 | 20.47 | 111.43 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 25@12 | DFT_QPSK | 23.99 | -2.5 | 21.49 | 140.93 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 1@1 | DFT_QPSK | 23.9 | -2.5 | 21.4 | 138.04 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 1@49 | DFT_QPSK | 23.88 | -2.5 | 21.38 | 137.4 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 50@0 | DFT_16QAM | 21.93 | -2.5 | 19.43 | 87.7 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 25@12 | DFT_16QAM | 22.98 | -2.5 | 20.48 | 111.69 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 1@1 | DFT_16QAM | 23.1 | -2.5 | 20.6 | 114.82 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 1@49 | DFT_16QAM | 23.15 | -2.5 | 20.65 | 116.14 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 50@0 | DFT_64QAM | 21.48 | -2.5 | 18.98 | 79.07 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 25@12 | DFT_64QAM | 21.43 | -2.5 | 18.93 | 78.16 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 1@1 | DFT_64QAM | 21.62 | -2.5 | 19.12 | 81.66 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 1@49 | DFT_64QAM | 21.67 | -2.5 | 19.17 | 82.6 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 50@0 | DFT_256QAM | 19.47 | -2.5 | 16.97 | 49.77 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 25@12 | DFT_256QAM | 19.48 | -2.5 | 16.98 | 49.89 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 1@1 | DFT_256QAM | 19.62 | -2.5 | 17.12 | 51.52 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 1@49 | DFT_256QAM | 19.63 | -2.5 | 17.13 | 51.64 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 20 | 630668 | 51@0 | CP_QPSK | 20.94 | -2. | 18.4 | 69.82 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 5 | 4 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 25@12 | CP_QPSK | 22.42 | -2.5 | 19.92 | 98.17 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 1@1 | CP_QPSK | 22.33 | -2.5 | 19.83 | 96.16 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 1@49 | CP_QPSK | 22.36 | -2.5 | 19.86 | 96.83 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 51@0 | CP_16QAM | 20.96 | -2.5 | 18.46 | 70.15 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 25@12 | CP_16QAM | 21.94 | -2.5 | 19.44 | 87.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 1@1 | CP_16QAM | 21.77 | -2.5 | 19.27 | 84.53 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 1@49 | CP_16QAM | 21.81 | -2.5 | 19.31 | 85.31 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 51@0 | CP_64QAM | 20.51 | -2.5 | 18.01 | 63.24 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 25@12 | CP_64QAM | 20.46 | -2.5 | 17.96 | 62.52 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 1@1 | CP_64QAM | 20.44 | -2.5 | 17.94 | 62.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 1@49 | CP_64QAM | 20.45 | -2.5 | 17.95 | 62.37 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 51@0 | CP_256QAM | 17.51 | -2.5 | 15.01 | 31.7 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 25@12 | CP_256QAM | 17.5 | -2.5 | 15 | 31.62 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 1@1 | CP_256QAM | 17.62 | -2.5 | 15.12 | 32.51 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 630668 | 1@49 | CP_256QAM | 17.69 | -2.5 | 15.19 | 33.04 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 50@0 | DFT_BPSK | 23.38 | -2.5 | 20.88 | 122.46 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 25@12 | DFT_BPSK | 23.88 | -2.5 | 21.38 | 137.4 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 1@1 | DFT_BPSK | 23.82 | -2.5 | 21.32 | 135.52 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 1@49 | DFT_BPSK | 23.81 | -2.5 | 21.31 | 135.21 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 50@0 | DFT_QPSK | 22.88 | -2.5 | 20.38 | 109.14 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 25@12 | DFT_QPSK | 23.85 | -2.5 | 21.35 | 136.46 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 20 | 633334 | 1@1 | DFT_QPSK | 23.86 | -2. | 21.3 | 136.7 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 5 | 6 | 7 | 0 | |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 1@49 | DFT_QPSK | 23.83 | -2.5 | 21.33 | 135.83 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 50@0 | DFT_16QAM | 21.86 | -2.5 | 19.36 | 86.3 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 25@12 | DFT_16QAM | 22.87 | -2.5 | 20.37 | 108.89 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 1@1 | DFT_16QAM | 22.98 | -2.5 | 20.48 | 111.69 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 1@49 | DFT_16QAM | 22.96 | -2.5 | 20.46 | 111.17 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 50@0 | DFT_64QAM | 21.35 | -2.5 | 18.85 | 76.74 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 25@12 | DFT_64QAM | 21.36 | -2.5 | 18.86 | 76.91 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 1@1 | DFT_64QAM | 21.41 | -2.5 | 18.91 | 77.8 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 1@49 | DFT_64QAM | 21.33 | -2.5 | 18.83 | 76.38 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 50@0 | DFT_256QAM | 19.36 | -2.5 | 16.86 | 48.53 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 25@12 | DFT_256QAM | 19.35 | -2.5 | 16.85 | 48.42 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 1@1 | DFT_256QAM | 19.35 | -2.5 | 16.85 | 48.42 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 1@49 | DFT_256QAM | 19.35 | -2.5 | 16.85 | 48.42 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 51@0 | CP_QPSK | 20.92 | -2.5 | 18.42 | 69.5 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 25@12 | CP_QPSK | 22.31 | -2.5 | 19.81 | 95.72 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 1@1 | CP_QPSK | 22.43 | -2.5 | 19.93 | 98.4 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 1@49 | CP_QPSK | 22.38 | -2.5 | 19.88 | 97.27 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 51@0 | CP_16QAM | 20.82 | -2.5 | 18.32 | 67.92 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 25@12 | CP_16QAM | 21.88 | -2.5 | 19.38 | 86.7 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 1@1 | CP_16QAM | 21.72 | -2.5 | 19.22 | 83.56 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 1@49 | CP_16QAM | 21.69 | -2.5 | 19.19 | 82.99 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 20 | 633334 | 51@0 | CP_64QAM | 20.4 | -2. | 17.9 | 61.66 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 5 | | | 0 | |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 25@12 | CP_64QAM | 20.39 | -2.5 | 17.89 | 61.52 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 1@1 | CP_64QAM | 20.3 | -2.5 | 17.8 | 60.26 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 1@49 | CP_64QAM | 20.21 | -2.5 | 17.71 | 59.02 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 51@0 | CP_256QAM | 17.43 | -2.5 | 14.93 | 31.12 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 25@12 | CP_256QAM | 17.39 | -2.5 | 14.89 | 30.83 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 1@1 | CP_256QAM | 17.59 | -2.5 | 15.09 | 32.28 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 1@49 | CP_256QAM | 17.56 | -2.5 | 15.06 | 32.06 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 50@0 | DFT_BPSK | 23.71 | -2.5 | 21.21 | 132.13 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 25@12 | DFT_BPSK | 24.18 | -2.5 | 21.68 | 147.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 1@1 | DFT_BPSK | 24.17 | -2.5 | 21.67 | 146.89 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 1@49 | DFT_BPSK | 24.15 | -2.5 | 21.65 | 146.22 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 50@0 | DFT_QPSK | 23.22 | -2.5 | 20.72 | 118.03 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 25@12 | DFT_QPSK | 24.21 | -2.5 | 21.71 | 148.25 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 1@1 | DFT_QPSK | 24.19 | -2.5 | 21.69 | 147.57 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 1@49 | DFT_QPSK | 24.14 | -2.5 | 21.64 | 145.88 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 50@0 | DFT_16QAM | 22.18 | -2.5 | 19.68 | 92.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 25@12 | DFT_16QAM | 23.2 | -2.5 | 20.7 | 117.49 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 1@1 | DFT_16QAM | 23.42 | -2.5 | 20.92 | 123.59 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 1@49 | DFT_16QAM | 23.38 | -2.5 | 20.88 | 122.46 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 50@0 | DFT_64QAM | 21.7 | -2.5 | 19.2 | 83.18 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 25@12 | DFT_64QAM | 21.64 | -2.5 | 19.14 | 82.04 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 20 | 636000 | 1@1 | DFT_64QA | 21.89 | -2. | 19.3 | 86.9 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 5 | 9 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 1@49 | DFT_64QAM | 21.89 | -2.5 | 19.39 | 86.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 50@0 | DFT_256QAM | 19.68 | -2.5 | 17.18 | 52.24 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 25@12 | DFT_256QAM | 19.72 | -2.5 | 17.22 | 52.72 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 1@1 | DFT_256QAM | 19.86 | -2.5 | 17.36 | 54.45 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 1@49 | DFT_256QAM | 19.87 | -2.5 | 17.37 | 54.58 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 51@0 | CP_QPSK | 21.15 | -2.5 | 18.65 | 73.28 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 25@12 | CP_QPSK | 22.68 | -2.5 | 20.18 | 104.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 1@1 | CP_QPSK | 22.64 | -2.5 | 20.14 | 103.28 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 1@49 | CP_QPSK | 22.6 | -2.5 | 20.1 | 102.33 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 51@0 | CP_16QAM | 21.19 | -2.5 | 18.69 | 73.96 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 25@12 | CP_16QAM | 22.21 | -2.5 | 19.71 | 93.54 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 1@1 | CP_16QAM | 22.04 | -2.5 | 19.54 | 89.95 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 1@49 | CP_16QAM | 21.98 | -2.5 | 19.48 | 88.72 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 51@0 | CP_64QAM | 20.67 | -2.5 | 18.17 | 65.61 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 25@12 | CP_64QAM | 20.76 | -2.5 | 18.26 | 66.99 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 1@1 | CP_64QAM | 20.75 | -2.5 | 18.25 | 66.83 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 1@49 | CP_64QAM | 20.71 | -2.5 | 18.21 | 66.22 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 51@0 | CP_256QAM | 17.73 | -2.5 | 15.23 | 33.34 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 25@12 | CP_256QAM | 17.73 | -2.5 | 15.23 | 33.34 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 1@1 | CP_256QAM | 17.89 | -2.5 | 15.39 | 34.59 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 636000 | 1@49 | CP_256QAM | 17.87 | -2.5 | 15.37 | 34.43 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 40 | 631334 | 100@0 | DFT_BPSK | 23.53 | -2. | 21.0 | 126.7 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 5 | 3 | 7 | 0 | |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 50@25 | DFT_BPSK | 24.03 | -2.5 | 21.53 | 142.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 1@1 | DFT_BPSK | 23.94 | -2.5 | 21.44 | 139.32 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 1@104 | DFT_BPSK | 23.9 | -2.5 | 21.4 | 138.04 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 100@0 | DFT_QPSK | 23.03 | -2.5 | 20.53 | 112.98 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 50@25 | DFT_QPSK | 24.01 | -2.5 | 21.51 | 141.58 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 1@1 | DFT_QPSK | 23.96 | -2.5 | 21.46 | 139.96 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 1@104 | DFT_QPSK | 23.95 | -2.5 | 21.45 | 139.64 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 100@0 | DFT_16QAM | 21.99 | -2.5 | 19.49 | 88.92 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 50@25 | DFT_16QAM | 23.01 | -2.5 | 20.51 | 112.46 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 1@1 | DFT_16QAM | 23.19 | -2.5 | 20.69 | 117.22 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 1@104 | DFT_16QAM | 23.15 | -2.5 | 20.65 | 116.14 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 100@0 | DFT_64QAM | 21.53 | -2.5 | 19.03 | 79.98 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 50@25 | DFT_64QAM | 21.55 | -2.5 | 19.05 | 80.35 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 1@1 | DFT_64QAM | 21.66 | -2.5 | 19.16 | 82.41 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 1@104 | DFT_64QAM | 21.63 | -2.5 | 19.13 | 81.85 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 100@0 | DFT_256QAM | 19.54 | -2.5 | 17.04 | 50.58 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 50@25 | DFT_256QAM | 19.55 | -2.5 | 17.05 | 50.7 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 1@1 | DFT_256QAM | 19.66 | -2.5 | 17.16 | 52 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 1@104 | DFT_256QAM | 19.67 | -2.5 | 17.17 | 52.12 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 106@0 | CP_QPSK | 20.99 | -2.5 | 18.49 | 70.63 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 53@26 | CP_QPSK | 22.48 | -2.5 | 19.98 | 99.54 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 40 | 631334 | 1@1 | CP_QPSK | 22.39 | -2. | 19.8 | 97.5 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 5 | 9 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 1@104 | CP_QPSK | 22.39 | -2.5 | 19.89 | 97.5 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 106@0 | CP_16QAM | 20.99 | -2.5 | 18.49 | 70.63 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 53@26 | CP_16QAM | 22 | -2.5 | 19.5 | 89.13 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 1@1 | CP_16QAM | 21.9 | -2.5 | 19.4 | 87.1 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 1@104 | CP_16QAM | 21.88 | -2.5 | 19.38 | 86.7 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 106@0 | CP_64QAM | 20.55 | -2.5 | 18.05 | 63.83 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 53@26 | CP_64QAM | 20.56 | -2.5 | 18.06 | 63.97 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 1@1 | CP_64QAM | 20.43 | -2.5 | 17.93 | 62.09 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 1@104 | CP_64QAM | 20.39 | -2.5 | 17.89 | 61.52 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 106@0 | CP_256QAM | 17.5 | -2.5 | 15 | 31.62 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 53@26 | CP_256QAM | 17.51 | -2.5 | 15.01 | 31.7 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 1@1 | CP_256QAM | 17.66 | -2.5 | 15.16 | 32.81 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 631334 | 1@104 | CP_256QAM | 17.64 | -2.5 | 15.14 | 32.66 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 100@0 | DFT_BPSK | 23.46 | -2.5 | 20.96 | 124.74 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 50@25 | DFT_BPSK | 23.95 | -2.5 | 21.45 | 139.64 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 1@1 | DFT_BPSK | 23.88 | -2.5 | 21.38 | 137.4 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 1@104 | DFT_BPSK | 23.87 | -2.5 | 21.37 | 137.09 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 100@0 | DFT_QPSK | 22.96 | -2.5 | 20.46 | 111.17 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 50@25 | DFT_QPSK | 23.93 | -2.5 | 21.43 | 139 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 1@1 | DFT_QPSK | 23.93 | -2.5 | 21.43 | 139 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 1@104 | DFT_QPSK | 23.87 | -2.5 | 21.37 | 137.09 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 40 | 633334 | 100@0 | DFT_16QA | 21.94 | -2. | 19.4 | 87.9 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 5 | 4 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 50@25 | DFT_16QAM | 22.92 | -2.5 | 20.42 | 110.15 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 1@1 | DFT_16QAM | 23.15 | -2.5 | 20.65 | 116.14 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 1@104 | DFT_16QAM | 23.12 | -2.5 | 20.62 | 115.35 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 100@0 | DFT_64QAM | 21.45 | -2.5 | 18.95 | 78.52 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 50@25 | DFT_64QAM | 21.47 | -2.5 | 18.97 | 78.89 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 1@1 | DFT_64QAM | 21.65 | -2.5 | 19.15 | 82.22 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 1@104 | DFT_64QAM | 21.59 | -2.5 | 19.09 | 81.1 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 100@0 | DFT_256QAM | 19.47 | -2.5 | 16.97 | 49.77 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 50@25 | DFT_256QAM | 19.47 | -2.5 | 16.97 | 49.77 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 1@1 | DFT_256QAM | 19.67 | -2.5 | 17.17 | 52.12 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 1@104 | DFT_256QAM | 19.6 | -2.5 | 17.1 | 51.29 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 106@0 | CP_QPSK | 20.9 | -2.5 | 18.4 | 69.18 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 53@26 | CP_QPSK | 22.39 | -2.5 | 19.89 | 97.5 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 1@1 | CP_QPSK | 22.4 | -2.5 | 19.9 | 97.72 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 1@104 | CP_QPSK | 22.32 | -2.5 | 19.82 | 95.94 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 106@0 | CP_16QAM | 20.92 | -2.5 | 18.42 | 69.5 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 53@26 | CP_16QAM | 21.89 | -2.5 | 19.39 | 86.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 1@1 | CP_16QAM | 21.86 | -2.5 | 19.36 | 86.3 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 1@104 | CP_16QAM | 21.84 | -2.5 | 19.34 | 85.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 106@0 | CP_64QAM | 20.48 | -2.5 | 17.98 | 62.81 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 53@26 | CP_64QAM | 20.46 | -2.5 | 17.96 | 62.52 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 40 | 633334 | 1@1 | CP_64QAM | 20.53 | -2. | 18.0 | 63.53 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 5 | 3 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 1@104 | CP_64QAM | 20.46 | -2.5 | 17.96 | 62.52 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 106@0 | CP_256QAM | 17.45 | -2.5 | 14.95 | 31.26 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 53@26 | CP_256QAM | 17.42 | -2.5 | 14.92 | 31.05 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 1@1 | CP_256QAM | 17.67 | -2.5 | 15.17 | 32.89 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 1@104 | CP_256QAM | 17.64 | -2.5 | 15.14 | 32.66 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 100@0 | DFT_BPSK | 23.55 | -2.5 | 21.05 | 127.35 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 50@25 | DFT_BPSK | 24.04 | -2.5 | 21.54 | 142.56 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 1@1 | DFT_BPSK | 24.05 | -2.5 | 21.55 | 142.89 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 1@104 | DFT_BPSK | 23.95 | -2.5 | 21.45 | 139.64 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 100@0 | DFT_QPSK | 23.05 | -2.5 | 20.55 | 113.5 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 50@25 | DFT_QPSK | 24.06 | -2.5 | 21.56 | 143.22 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 1@1 | DFT_QPSK | 24.07 | -2.5 | 21.57 | 143.55 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 1@104 | DFT_QPSK | 23.98 | -2.5 | 21.48 | 140.6 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 100@0 | DFT_16QAM | 22.04 | -2.5 | 19.54 | 89.95 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 50@25 | DFT_16QAM | 23.04 | -2.5 | 20.54 | 113.24 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 1@1 | DFT_16QAM | 23.33 | -2.5 | 20.83 | 121.06 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 1@104 | DFT_16QAM | 23.23 | -2.5 | 20.73 | 118.3 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 100@0 | DFT_64QAM | 21.56 | -2.5 | 19.06 | 80.54 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 50@25 | DFT_64QAM | 21.59 | -2.5 | 19.09 | 81.1 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 1@1 | DFT_64QAM | 21.77 | -2.5 | 19.27 | 84.53 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 1@104 | DFT_64QAM | 21.71 | -2.5 | 19.21 | 83.37 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 40 | 635332 | 100@0 | DFT_256QA | 19.55 | -2. | 17.0 | 50.7 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 5 | 5 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 50@25 | DFT_256QAM | 19.63 | -2.5 | 17.13 | 51.64 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 1@1 | DFT_256QAM | 19.77 | -2.5 | 17.27 | 53.33 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 1@104 | DFT_256QAM | 19.64 | -2.5 | 17.14 | 51.76 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 106@0 | CP_QPSK | 21.02 | -2.5 | 18.52 | 71.12 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 53@26 | CP_QPSK | 22.51 | -2.5 | 20.01 | 100.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 1@1 | CP_QPSK | 22.5 | -2.5 | 20 | 100 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 1@104 | CP_QPSK | 22.39 | -2.5 | 19.89 | 97.5 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 106@0 | CP_16QAM | 21.05 | -2.5 | 18.55 | 71.61 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 53@26 | CP_16QAM | 22.05 | -2.5 | 19.55 | 90.16 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 1@1 | CP_16QAM | 21.93 | -2.5 | 19.43 | 87.7 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 1@104 | CP_16QAM | 21.86 | -2.5 | 19.36 | 86.3 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 106@0 | CP_64QAM | 20.56 | -2.5 | 18.06 | 63.97 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 53@26 | CP_64QAM | 20.55 | -2.5 | 18.05 | 63.83 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 1@1 | CP_64QAM | 20.56 | -2.5 | 18.06 | 63.97 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 1@104 | CP_64QAM | 20.5 | -2.5 | 18 | 63.1 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 106@0 | CP_256QAM | 17.55 | -2.5 | 15.05 | 31.99 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 53@26 | CP_256QAM | 17.54 | -2.5 | 15.04 | 31.92 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 1@1 | CP_256QAM | 17.78 | -2.5 | 15.28 | 33.73 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 635332 | 1@104 | CP_256QAM | 17.69 | -2.5 | 15.19 | 33.04 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 128@0 | DFT_BPSK | 23.52 | -2.5 | 21.02 | 126.47 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 64@32 | DFT_BPSK | 24.07 | -2.5 | 21.57 | 143.55 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 50 | 631668 | 1@1 | DFT_BPSK | 23.9 | -2. | 21.4 | 138.0 | 100 | PASS |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 5 | | 4 | 0 | |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 1@131 | DFT_BPSK | 23.85 | -2.5 | 21.35 | 136.46 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 128@0 | DFT_QPSK | 23.03 | -2.5 | 20.53 | 112.98 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 64@32 | DFT_QPSK | 24.06 | -2.5 | 21.56 | 143.22 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 1@1 | DFT_QPSK | 23.9 | -2.5 | 21.4 | 138.04 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 1@131 | DFT_QPSK | 23.86 | -2.5 | 21.36 | 136.77 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 128@0 | DFT_16QAM | 21.98 | -2.5 | 19.48 | 88.72 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 64@32 | DFT_16QAM | 23.04 | -2.5 | 20.54 | 113.24 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 1@1 | DFT_16QAM | 23.17 | -2.5 | 20.67 | 116.68 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 1@131 | DFT_16QAM | 23.05 | -2.5 | 20.55 | 113.5 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 128@0 | DFT_64QAM | 21.53 | -2.5 | 19.03 | 79.98 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 64@32 | DFT_64QAM | 21.58 | -2.5 | 19.08 | 80.91 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 1@1 | DFT_64QAM | 21.59 | -2.5 | 19.09 | 81.1 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 1@131 | DFT_64QAM | 21.55 | -2.5 | 19.05 | 80.35 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 128@0 | DFT_256QAM | 19.53 | -2.5 | 17.03 | 50.47 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 64@32 | DFT_256QAM | 19.53 | -2.5 | 17.03 | 50.47 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 1@1 | DFT_256QAM | 19.62 | -2.5 | 17.12 | 51.52 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 1@131 | DFT_256QAM | 19.57 | -2.5 | 17.07 | 50.93 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 133@0 | CP_QPSK | 20.98 | -2.5 | 18.48 | 70.47 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 67@33 | CP_QPSK | 22.5 | -2.5 | 20 | 100 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 1@1 | CP_QPSK | 22.35 | -2.5 | 19.85 | 96.61 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 1@131 | CP_QPSK | 22.27 | -2.5 | 19.77 | 94.84 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 50 | 631668 | 133@0 | CP_16QAM | 20.98 | -2. | 18.4 | 70.47 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 5 | 8 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 67@33 | CP_16QAM | 22.03 | -2.5 | 19.53 | 89.74 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 1@1 | CP_16QAM | 21.81 | -2.5 | 19.31 | 85.31 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 1@131 | CP_16QAM | 21.77 | -2.5 | 19.27 | 84.53 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 133@0 | CP_64QAM | 20.47 | -2.5 | 17.97 | 62.66 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 67@33 | CP_64QAM | 20.55 | -2.5 | 18.05 | 63.83 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 1@1 | CP_64QAM | 20.47 | -2.5 | 17.97 | 62.66 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 1@131 | CP_64QAM | 20.43 | -2.5 | 17.93 | 62.09 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 133@0 | CP_256QAM | 17.8 | -2.5 | 15.3 | 33.88 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 67@33 | CP_256QAM | 17.55 | -2.5 | 15.05 | 31.99 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 1@1 | CP_256QAM | 17.66 | -2.5 | 15.16 | 32.81 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 631668 | 1@131 | CP_256QAM | 17.57 | -2.5 | 15.07 | 32.14 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 128@0 | DFT_BPSK | 23.5 | -2.5 | 21 | 125.89 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 64@32 | DFT_BPSK | 23.97 | -2.5 | 21.47 | 140.28 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 1@1 | DFT_BPSK | 23.9 | -2.5 | 21.4 | 138.04 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 1@131 | DFT_BPSK | 23.81 | -2.5 | 21.31 | 135.21 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 128@0 | DFT_QPSK | 23 | -2.5 | 20.5 | 112.2 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 64@32 | DFT_QPSK | 23.98 | -2.5 | 21.48 | 140.6 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 1@1 | DFT_QPSK | 23.93 | -2.5 | 21.43 | 139 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 1@131 | DFT_QPSK | 23.84 | -2.5 | 21.34 | 136.14 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 128@0 | DFT_16QAM | 21.95 | -2.5 | 19.45 | 88.1 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 64@32 | DFT_16QAM | 22.97 | -2.5 | 20.47 | 111.43 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 50 | 633334 | 1@1 | DFT_16QA | 23.23 | -2. | 20.7 | 118.3 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 5 | 3 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 1@131 | DFT_16QAM | 23.14 | -2.5 | 20.64 | 115.88 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 128@0 | DFT_64QAM | 21.52 | -2.5 | 19.02 | 79.8 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 64@32 | DFT_64QAM | 21.46 | -2.5 | 18.96 | 78.7 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 1@1 | DFT_64QAM | 21.64 | -2.5 | 19.14 | 82.04 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 1@131 | DFT_64QAM | 21.59 | -2.5 | 19.09 | 81.1 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 128@0 | DFT_256QAM | 19.54 | -2.5 | 17.04 | 50.58 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 64@32 | DFT_256QAM | 19.5 | -2.5 | 17 | 50.12 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 1@1 | DFT_256QAM | 19.66 | -2.5 | 17.16 | 52 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 1@131 | DFT_256QAM | 19.57 | -2.5 | 17.07 | 50.93 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 133@0 | CP_QPSK | 20.94 | -2.5 | 18.44 | 69.82 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 67@33 | CP_QPSK | 22.38 | -2.5 | 19.88 | 97.27 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 1@1 | CP_QPSK | 22.38 | -2.5 | 19.88 | 97.27 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 1@131 | CP_QPSK | 22.28 | -2.5 | 19.78 | 95.06 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 133@0 | CP_16QAM | 20.96 | -2.5 | 18.46 | 70.15 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 67@33 | CP_16QAM | 21.93 | -2.5 | 19.43 | 87.7 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 1@1 | CP_16QAM | 21.84 | -2.5 | 19.34 | 85.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 1@131 | CP_16QAM | 21.77 | -2.5 | 19.27 | 84.53 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 133@0 | CP_64QAM | 20.45 | -2.5 | 17.95 | 62.37 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 67@33 | CP_64QAM | 20.45 | -2.5 | 17.95 | 62.37 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 1@1 | CP_64QAM | 20.48 | -2.5 | 17.98 | 62.81 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 1@131 | CP_64QAM | 20.37 | -2.5 | 17.87 | 61.24 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 50 | 633334 | 133@0 | CP_256QA | 17.51 | -2. | 15.0 | 31.7 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 5 | 1 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 67@33 | CP_256QAM | 17.45 | -2.5 | 14.95 | 31.26 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 1@1 | CP_256QAM | 17.65 | -2.5 | 15.15 | 32.73 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 1@131 | CP_256QAM | 17.57 | -2.5 | 15.07 | 32.14 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 128@0 | DFT_BPSK | 23.58 | -2.5 | 21.08 | 128.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 64@32 | DFT_BPSK | 24.09 | -2.5 | 21.59 | 144.21 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 1@1 | DFT_BPSK | 23.93 | -2.5 | 21.43 | 139 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 1@131 | DFT_BPSK | 23.87 | -2.5 | 21.37 | 137.09 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 128@0 | DFT_QPSK | 23.05 | -2.5 | 20.55 | 113.5 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 64@32 | DFT_QPSK | 24.07 | -2.5 | 21.57 | 143.55 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 1@1 | DFT_QPSK | 23.94 | -2.5 | 21.44 | 139.32 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 1@131 | DFT_QPSK | 23.91 | -2.5 | 21.41 | 138.36 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 128@0 | DFT_16QAM | 22.03 | -2.5 | 19.53 | 89.74 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 64@32 | DFT_16QAM | 23.07 | -2.5 | 20.57 | 114.02 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 1@1 | DFT_16QAM | 23.25 | -2.5 | 20.75 | 118.85 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 1@131 | DFT_16QAM | 23.27 | -2.5 | 20.77 | 119.4 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 128@0 | DFT_64QAM | 21.6 | -2.5 | 19.1 | 81.28 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 64@32 | DFT_64QAM | 21.57 | -2.5 | 19.07 | 80.72 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 1@1 | DFT_64QAM | 21.71 | -2.5 | 19.21 | 83.37 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 1@131 | DFT_64QAM | 21.61 | -2.5 | 19.11 | 81.47 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 128@0 | DFT_256QAM | 19.59 | -2.5 | 17.09 | 51.17 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 64@32 | DFT_256QAM | 19.56 | -2.5 | 17.06 | 50.82 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 50 | 635000 | 1@1 | DFT_256QA | 19.68 | -2. | 17.1 | 52.24 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 5 | 8 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 1@131 | DFT_256QAM | 19.63 | -2.5 | 17.13 | 51.64 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 133@0 | CP_QPSK | 21.04 | -2.5 | 18.54 | 71.45 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 67@33 | CP_QPSK | 22.53 | -2.5 | 20.03 | 100.69 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 1@1 | CP_QPSK | 22.37 | -2.5 | 19.87 | 97.05 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 1@131 | CP_QPSK | 22.36 | -2.5 | 19.86 | 96.83 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 133@0 | CP_16QAM | 21.03 | -2.5 | 18.53 | 71.29 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 67@33 | CP_16QAM | 22.04 | -2.5 | 19.54 | 89.95 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 1@1 | CP_16QAM | 21.86 | -2.5 | 19.36 | 86.3 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 1@131 | CP_16QAM | 21.86 | -2.5 | 19.36 | 86.3 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 133@0 | CP_64QAM | 20.52 | -2.5 | 18.02 | 63.39 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 67@33 | CP_64QAM | 20.57 | -2.5 | 18.07 | 64.12 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 1@1 | CP_64QAM | 20.48 | -2.5 | 17.98 | 62.81 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 1@131 | CP_64QAM | 20.49 | -2.5 | 17.99 | 62.95 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 133@0 | CP_256QAM | 17.55 | -2.5 | 15.05 | 31.99 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 67@33 | CP_256QAM | 17.56 | -2.5 | 15.06 | 32.06 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 1@1 | CP_256QAM | 17.67 | -2.5 | 15.17 | 32.89 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 635000 | 1@131 | CP_256QAM | 17.67 | -2.5 | 15.17 | 32.89 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 162@0 | DFT_BPSK | 23.49 | -2.5 | 20.99 | 125.6 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 81@40 | DFT_BPSK | 24.02 | -2.5 | 21.52 | 141.91 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 1@1 | DFT_BPSK | 23.9 | -2.5 | 21.4 | 138.04 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 1@160 | DFT_BPSK | 23.85 | -2.5 | 21.35 | 136.46 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 60 | 632000 | 162@0 | DFT_QPSK | 22.99 | -2. | 20.4 | 111.9 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 5 | 9 | 4 | 0 | |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 81@40 | DFT_QPSK | 24 | -2.5 | 21.5 | 141.25 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 1@1 | DFT_QPSK | 23.93 | -2.5 | 21.43 | 139 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 1@160 | DFT_QPSK | 23.88 | -2.5 | 21.38 | 137.4 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 162@0 | DFT_16QAM | 21.97 | -2.5 | 19.47 | 88.51 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 81@40 | DFT_16QAM | 23.03 | -2.5 | 20.53 | 112.98 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 1@1 | DFT_16QAM | 23.18 | -2.5 | 20.68 | 116.95 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 1@160 | DFT_16QAM | 23.11 | -2.5 | 20.61 | 115.08 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 162@0 | DFT_64QAM | 21.51 | -2.5 | 19.01 | 79.62 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 81@40 | DFT_64QAM | 21.52 | -2.5 | 19.02 | 79.8 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 1@1 | DFT_64QAM | 21.61 | -2.5 | 19.11 | 81.47 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 1@160 | DFT_64QAM | 21.55 | -2.5 | 19.05 | 80.35 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 162@0 | DFT_256QAM | 19.5 | -2.5 | 17 | 50.12 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 81@40 | DFT_256QAM | 19.53 | -2.5 | 17.03 | 50.47 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 1@1 | DFT_256QAM | 19.61 | -2.5 | 17.11 | 51.4 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 1@160 | DFT_256QAM | 19.56 | -2.5 | 17.06 | 50.82 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 162@0 | CP_QPSK | 20.96 | -2.5 | 18.46 | 70.15 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 81@40 | CP_QPSK | 22.45 | -2.5 | 19.95 | 98.86 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 1@1 | CP_QPSK | 22.36 | -2.5 | 19.86 | 96.83 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 1@160 | CP_QPSK | 22.32 | -2.5 | 19.82 | 95.94 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 162@0 | CP_16QAM | 20.99 | -2.5 | 18.49 | 70.63 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 81@40 | CP_16QAM | 21.99 | -2.5 | 19.49 | 88.92 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 60 | 632000 | 1@1 | CP_16QAM | 21.81 | -2. | 19.3 | 85.31 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 5 | 1 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 1@160 | CP_16QAM | 21.78 | -2.5 | 19.28 | 84.72 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 162@0 | CP_64QAM | 20.48 | -2.5 | 17.98 | 62.81 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 81@40 | CP_64QAM | 20.54 | -2.5 | 18.04 | 63.68 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 1@1 | CP_64QAM | 20.5 | -2.5 | 18 | 63.1 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 1@160 | CP_64QAM | 20.44 | -2.5 | 17.94 | 62.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 162@0 | CP_256QAM | 17.51 | -2.5 | 15.01 | 31.7 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 81@40 | CP_256QAM | 17.5 | -2.5 | 15 | 31.62 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 1@1 | CP_256QAM | 17.66 | -2.5 | 15.16 | 32.81 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 632000 | 1@160 | CP_256QAM | 17.58 | -2.5 | 15.08 | 32.21 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 162@0 | DFT_BPSK | 23.44 | -2.5 | 20.94 | 124.17 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 81@40 | DFT_BPSK | 23.93 | -2.5 | 21.43 | 139 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 1@1 | DFT_BPSK | 23.91 | -2.5 | 21.41 | 138.36 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 1@160 | DFT_BPSK | 23.78 | -2.5 | 21.28 | 134.28 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 162@0 | DFT_QPSK | 22.94 | -2.5 | 20.44 | 110.66 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 81@40 | DFT_QPSK | 23.92 | -2.5 | 21.42 | 138.68 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 1@1 | DFT_QPSK | 23.9 | -2.5 | 21.4 | 138.04 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 1@160 | DFT_QPSK | 23.83 | -2.5 | 21.33 | 135.83 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 162@0 | DFT_16QAM | 21.92 | -2.5 | 19.42 | 87.5 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 81@40 | DFT_16QAM | 22.92 | -2.5 | 20.42 | 110.15 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 1@1 | DFT_16QAM | 23.15 | -2.5 | 20.65 | 116.14 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 1@160 | DFT_16QAM | 23.08 | -2.5 | 20.58 | 114.29 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 60 | 633334 | 162@0 | DFT_64QA | 21.41 | -2. | 18.9 | 77.8 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 5 | 1 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 81@40 | DFT_64QAM | 21.4 | -2.5 | 18.9 | 77.62 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 1@1 | DFT_64QAM | 21.58 | -2.5 | 19.08 | 80.91 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 1@160 | DFT_64QAM | 21.46 | -2.5 | 18.96 | 78.7 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 162@0 | DFT_256QAM | 19.44 | -2.5 | 16.94 | 49.43 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 81@40 | DFT_256QAM | 19.41 | -2.5 | 16.91 | 49.09 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 1@1 | DFT_256QAM | 19.59 | -2.5 | 17.09 | 51.17 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 1@160 | DFT_256QAM | 19.51 | -2.5 | 17.01 | 50.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 162@0 | CP_QPSK | 20.88 | -2.5 | 18.38 | 68.87 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 81@40 | CP_QPSK | 22.34 | -2.5 | 19.84 | 96.38 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 1@1 | CP_QPSK | 22.38 | -2.5 | 19.88 | 97.27 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 1@160 | CP_QPSK | 22.29 | -2.5 | 19.79 | 95.28 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 162@0 | CP_16QAM | 20.9 | -2.5 | 18.4 | 69.18 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 81@40 | CP_16QAM | 21.84 | -2.5 | 19.34 | 85.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 1@1 | CP_16QAM | 21.88 | -2.5 | 19.38 | 86.7 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 1@160 | CP_16QAM | 21.82 | -2.5 | 19.32 | 85.51 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 162@0 | CP_64QAM | 20.44 | -2.5 | 17.94 | 62.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 81@40 | CP_64QAM | 20.44 | -2.5 | 17.94 | 62.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 1@1 | CP_64QAM | 20.49 | -2.5 | 17.99 | 62.95 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 1@160 | CP_64QAM | 20.38 | -2.5 | 17.88 | 61.38 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 162@0 | CP_256QAM | 17.6 | -2.5 | 15.1 | 32.36 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 81@40 | CP_256QAM | 17.37 | -2.5 | 14.87 | 30.69 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 60 | 633334 | 1@1 | CP_256QA | 17.67 | -2. | 15.1 | 32.89 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 5 | 7 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 1@160 | CP_256QAM | 17.56 | -2.5 | 15.06 | 32.06 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 162@0 | DFT_BPSK | 23.52 | -2.5 | 21.02 | 126.47 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 81@40 | DFT_BPSK | 24.01 | -2.5 | 21.51 | 141.58 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 1@1 | DFT_BPSK | 23.98 | -2.5 | 21.48 | 140.6 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 1@160 | DFT_BPSK | 23.88 | -2.5 | 21.38 | 137.4 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 162@0 | DFT_QPSK | 23.05 | -2.5 | 20.55 | 113.5 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 81@40 | DFT_QPSK | 24 | -2.5 | 21.5 | 141.25 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 1@1 | DFT_QPSK | 24 | -2.5 | 21.5 | 141.25 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 1@160 | DFT_QPSK | 23.92 | -2.5 | 21.42 | 138.68 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 162@0 | DFT_16QAM | 22.01 | -2.5 | 19.51 | 89.33 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 81@40 | DFT_16QAM | 22.98 | -2.5 | 20.48 | 111.69 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 1@1 | DFT_16QAM | 23.28 | -2.5 | 20.78 | 119.67 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 1@160 | DFT_16QAM | 23.17 | -2.5 | 20.67 | 116.68 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 162@0 | DFT_64QAM | 21.54 | -2.5 | 19.04 | 80.17 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 81@40 | DFT_64QAM | 21.49 | -2.5 | 18.99 | 79.25 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 1@1 | DFT_64QAM | 21.68 | -2.5 | 19.18 | 82.79 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 1@160 | DFT_64QAM | 21.55 | -2.5 | 19.05 | 80.35 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 162@0 | DFT_256QAM | 19.53 | -2.5 | 17.03 | 50.47 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 81@40 | DFT_256QAM | 19.53 | -2.5 | 17.03 | 50.47 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 1@1 | DFT_256QAM | 19.71 | -2.5 | 17.21 | 52.6 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 1@160 | DFT_256QAM | 19.61 | -2.5 | 17.11 | 51.4 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 60 | 634666 | 162@0 | CP_QPSK | 20.98 | -2. | 18.4 | 70.47 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 5 | 8 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 81@40 | CP_QPSK | 22.44 | -2.5 | 19.94 | 98.63 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 1@1 | CP_QPSK | 22.44 | -2.5 | 19.94 | 98.63 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 1@160 | CP_QPSK | 22.37 | -2.5 | 19.87 | 97.05 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 162@0 | CP_16QAM | 20.99 | -2.5 | 18.49 | 70.63 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 81@40 | CP_16QAM | 21.94 | -2.5 | 19.44 | 87.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 1@1 | CP_16QAM | 21.85 | -2.5 | 19.35 | 86.1 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 1@160 | CP_16QAM | 21.82 | -2.5 | 19.32 | 85.51 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 162@0 | CP_64QAM | 20.51 | -2.5 | 18.01 | 63.24 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 81@40 | CP_64QAM | 20.51 | -2.5 | 18.01 | 63.24 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 1@1 | CP_64QAM | 20.57 | -2.5 | 18.07 | 64.12 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 1@160 | CP_64QAM | 20.45 | -2.5 | 17.95 | 62.37 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 162@0 | CP_256QAM | 17.52 | -2.5 | 15.02 | 31.77 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 81@40 | CP_256QAM | 17.51 | -2.5 | 15.01 | 31.7 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 1@1 | CP_256QAM | 17.72 | -2.5 | 15.22 | 33.27 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 634666 | 1@160 | CP_256QAM | 17.56 | -2.5 | 15.06 | 32.06 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 180@0 | DFT_BPSK | 23.42 | -2.5 | 20.92 | 123.59 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 90@45 | DFT_BPSK | 23.93 | -2.5 | 21.43 | 139 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 1@1 | DFT_BPSK | 23.77 | -2.5 | 21.27 | 133.97 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 1@187 | DFT_BPSK | 23.68 | -2.5 | 21.18 | 131.22 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 180@0 | DFT_QPSK | 22.88 | -2.5 | 20.38 | 109.14 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 90@45 | DFT_QPSK | 23.92 | -2.5 | 21.42 | 138.68 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 70 | 632334 | 1@1 | DFT_QPSK | 23.78 | -2. | 21.2 | 134.2 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 5 | 8 | 8 | 0 | |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 1@187 | DFT_QPSK | 23.71 | -2.5 | 21.21 | 132.13 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 180@0 | DFT_16QAM | 21.89 | -2.5 | 19.39 | 86.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 90@45 | DFT_16QAM | 22.92 | -2.5 | 20.42 | 110.15 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 1@1 | DFT_16QAM | 23.09 | -2.5 | 20.59 | 114.55 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 1@187 | DFT_16QAM | 23.03 | -2.5 | 20.53 | 112.98 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 180@0 | DFT_64QAM | 21.41 | -2.5 | 18.91 | 77.8 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 90@45 | DFT_64QAM | 21.41 | -2.5 | 18.91 | 77.8 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 1@1 | DFT_64QAM | 21.49 | -2.5 | 18.99 | 79.25 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 1@187 | DFT_64QAM | 21.37 | -2.5 | 18.87 | 77.09 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 180@0 | DFT_256QAM | 19.42 | -2.5 | 16.92 | 49.2 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 90@45 | DFT_256QAM | 19.47 | -2.5 | 16.97 | 49.77 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 1@1 | DFT_256QAM | 19.46 | -2.5 | 16.96 | 49.66 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 1@187 | DFT_256QAM | 19.4 | -2.5 | 16.9 | 48.98 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 189@0 | CP_QPSK | 20.87 | -2.5 | 18.37 | 68.71 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 95@47 | CP_QPSK | 22.35 | -2.5 | 19.85 | 96.61 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 1@1 | CP_QPSK | 22.2 | -2.5 | 19.7 | 93.33 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 1@187 | CP_QPSK | 22.17 | -2.5 | 19.67 | 92.68 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 189@0 | CP_16QAM | 20.88 | -2.5 | 18.38 | 68.87 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 95@47 | CP_16QAM | 21.86 | -2.5 | 19.36 | 86.3 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 1@1 | CP_16QAM | 21.66 | -2.5 | 19.16 | 82.41 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 1@187 | CP_16QAM | 21.61 | -2.5 | 19.11 | 81.47 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 70 | 632334 | 189@0 | CP_64QAM | 20.39 | -2. | 17.8 | 61.52 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 5 | 9 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 95@47 | CP_64QAM | 20.43 | -2.5 | 17.93 | 62.09 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 1@1 | CP_64QAM | 20.34 | -2.5 | 17.84 | 60.81 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 1@187 | CP_64QAM | 20.28 | -2.5 | 17.78 | 59.98 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 189@0 | CP_256QAM | 17.42 | -2.5 | 14.92 | 31.05 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 95@47 | CP_256QAM | 17.43 | -2.5 | 14.93 | 31.12 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 1@1 | CP_256QAM | 17.49 | -2.5 | 14.99 | 31.55 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 632334 | 1@187 | CP_256QAM | 17.39 | -2.5 | 14.89 | 30.83 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 180@0 | DFT_BPSK | 23.43 | -2.5 | 20.93 | 123.88 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 90@45 | DFT_BPSK | 23.92 | -2.5 | 21.42 | 138.68 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 1@1 | DFT_BPSK | 23.83 | -2.5 | 21.33 | 135.83 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 1@187 | DFT_BPSK | 23.68 | -2.5 | 21.18 | 131.22 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 180@0 | DFT_QPSK | 22.91 | -2.5 | 20.41 | 109.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 90@45 | DFT_QPSK | 23.89 | -2.5 | 21.39 | 137.72 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 1@1 | DFT_QPSK | 23.84 | -2.5 | 21.34 | 136.14 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 1@187 | DFT_QPSK | 23.7 | -2.5 | 21.2 | 131.83 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 180@0 | DFT_16QAM | 21.93 | -2.5 | 19.43 | 87.7 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 90@45 | DFT_16QAM | 22.94 | -2.5 | 20.44 | 110.66 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 1@1 | DFT_16QAM | 23.11 | -2.5 | 20.61 | 115.08 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 1@187 | DFT_16QAM | 22.95 | -2.5 | 20.45 | 110.92 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 180@0 | DFT_64QAM | 21.44 | -2.5 | 18.94 | 78.34 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 90@45 | DFT_64QAM | 21.42 | -2.5 | 18.92 | 77.98 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 70 | 633334 | 1@1 | DFT_64QA | 21.5 | -2. | 19 | 79.43 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 5 | | | 0 | |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 1@187 | DFT_64QAM | 21.34 | -2.5 | 18.84 | 76.56 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 180@0 | DFT_256QAM | 19.42 | -2.5 | 16.92 | 49.2 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 90@45 | DFT_256QAM | 19.45 | -2.5 | 16.95 | 49.55 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 1@1 | DFT_256QAM | 19.51 | -2.5 | 17.01 | 50.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 1@187 | DFT_256QAM | 19.33 | -2.5 | 16.83 | 48.19 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 189@0 | CP_QPSK | 20.89 | -2.5 | 18.39 | 69.02 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 95@47 | CP_QPSK | 22.37 | -2.5 | 19.87 | 97.05 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 1@1 | CP_QPSK | 22.28 | -2.5 | 19.78 | 95.06 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 1@187 | CP_QPSK | 22.14 | -2.5 | 19.64 | 92.04 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 189@0 | CP_16QAM | 20.92 | -2.5 | 18.42 | 69.5 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 95@47 | CP_16QAM | 21.89 | -2.5 | 19.39 | 86.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 1@1 | CP_16QAM | 21.71 | -2.5 | 19.21 | 83.37 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 1@187 | CP_16QAM | 21.56 | -2.5 | 19.06 | 80.54 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 189@0 | CP_64QAM | 20.41 | -2.5 | 17.91 | 61.8 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 95@47 | CP_64QAM | 20.44 | -2.5 | 17.94 | 62.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 1@1 | CP_64QAM | 20.39 | -2.5 | 17.89 | 61.52 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 1@187 | CP_64QAM | 20.24 | -2.5 | 17.74 | 59.43 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 189@0 | CP_256QAM | 17.44 | -2.5 | 14.94 | 31.19 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 95@47 | CP_256QAM | 17.42 | -2.5 | 14.92 | 31.05 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 1@1 | CP_256QAM | 17.61 | -2.5 | 15.11 | 32.43 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 1@187 | CP_256QAM | 17.41 | -2.5 | 14.91 | 30.97 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 70 | 634332 | 180@0 | DFT_BPSK | 23.53 | -2. | 21.0 | 126.7 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 5 | 3 | 7 | 0 | |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 90@45 | DFT_BPSK | 24.03 | -2.5 | 21.53 | 142.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 1@1 | DFT_BPSK | 24 | -2.5 | 21.5 | 141.25 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 1@187 | DFT_BPSK | 23.71 | -2.5 | 21.21 | 132.13 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 180@0 | DFT_QPSK | 23.01 | -2.5 | 20.51 | 112.46 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 90@45 | DFT_QPSK | 24.03 | -2.5 | 21.53 | 142.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 1@1 | DFT_QPSK | 24.02 | -2.5 | 21.52 | 141.91 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 1@187 | DFT_QPSK | 23.75 | -2.5 | 21.25 | 133.35 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 180@0 | DFT_16QAM | 22.03 | -2.5 | 19.53 | 89.74 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 90@45 | DFT_16QAM | 23.04 | -2.5 | 20.54 | 113.24 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 1@1 | DFT_16QAM | 23.34 | -2.5 | 20.84 | 121.34 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 1@187 | DFT_16QAM | 23.08 | -2.5 | 20.58 | 114.29 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 180@0 | DFT_64QAM | 21.55 | -2.5 | 19.05 | 80.35 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 90@45 | DFT_64QAM | 21.55 | -2.5 | 19.05 | 80.35 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 1@1 | DFT_64QAM | 21.72 | -2.5 | 19.22 | 83.56 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 1@187 | DFT_64QAM | 21.42 | -2.5 | 18.92 | 77.98 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 180@0 | DFT_256QAM | 19.54 | -2.5 | 17.04 | 50.58 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 90@45 | DFT_256QAM | 19.55 | -2.5 | 17.05 | 50.7 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 1@1 | DFT_256QAM | 19.7 | -2.5 | 17.2 | 52.48 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 1@187 | DFT_256QAM | 19.44 | -2.5 | 16.94 | 49.43 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 189@0 | CP_QPSK | 21.01 | -2.5 | 18.51 | 70.96 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 95@47 | CP_QPSK | 22.47 | -2.5 | 19.97 | 99.31 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 70 | 634332 | 1@1 | CP_QPSK | 22.47 | -2. | 19.9 | 99.31 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 5 | 7 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 1@187 | CP_QPSK | 22.17 | -2.5 | 19.67 | 92.68 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 189@0 | CP_16QAM | 21.02 | -2.5 | 18.52 | 71.12 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 95@47 | CP_16QAM | 21.99 | -2.5 | 19.49 | 88.92 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 1@1 | CP_16QAM | 21.9 | -2.5 | 19.4 | 87.1 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 1@187 | CP_16QAM | 21.66 | -2.5 | 19.16 | 82.41 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 189@0 | CP_64QAM | 20.5 | -2.5 | 18 | 63.1 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 95@47 | CP_64QAM | 20.53 | -2.5 | 18.03 | 63.53 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 1@1 | CP_64QAM | 20.56 | -2.5 | 18.06 | 63.97 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 1@187 | CP_64QAM | 20.33 | -2.5 | 17.83 | 60.67 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 189@0 | CP_256QAM | 17.55 | -2.5 | 15.05 | 31.99 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 95@47 | CP_256QAM | 17.51 | -2.5 | 15.01 | 31.7 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 1@1 | CP_256QAM | 17.73 | -2.5 | 15.23 | 33.34 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 634332 | 1@187 | CP_256QAM | 17.45 | -2.5 | 14.95 | 31.26 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 216@0 | DFT_BPSK | 23.36 | -2.5 | 20.86 | 121.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 108@54 | DFT_BPSK | 23.91 | -2.5 | 21.41 | 138.36 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 1@1 | DFT_BPSK | 23.78 | -2.5 | 21.28 | 134.28 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 1@215 | DFT_BPSK | 23.61 | -2.5 | 21.11 | 129.12 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 216@0 | DFT_QPSK | 22.85 | -2.5 | 20.35 | 108.39 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 108@54 | DFT_QPSK | 23.88 | -2.5 | 21.38 | 137.4 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 1@1 | DFT_QPSK | 23.78 | -2.5 | 21.28 | 134.28 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 1@215 | DFT_QPSK | 23.66 | -2.5 | 21.16 | 130.62 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 80 | 632668 | 216@0 | DFT_16QA | 21.86 | -2. | 19.3 | 86.3 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 5 | 6 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 108@54 | DFT_16QAM | 22.87 | -2.5 | 20.37 | 108.89 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 1@1 | DFT_16QAM | 23.01 | -2.5 | 20.51 | 112.46 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 1@215 | DFT_16QAM | 22.88 | -2.5 | 20.38 | 109.14 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 216@0 | DFT_64QAM | 21.37 | -2.5 | 18.87 | 77.09 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 108@54 | DFT_64QAM | 21.38 | -2.5 | 18.88 | 77.27 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 1@1 | DFT_64QAM | 21.47 | -2.5 | 18.97 | 78.89 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 1@215 | DFT_64QAM | 21.34 | -2.5 | 18.84 | 76.56 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 216@0 | DFT_256QAM | 19.38 | -2.5 | 16.88 | 48.75 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 108@54 | DFT_256QAM | 19.4 | -2.5 | 16.9 | 48.98 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 1@1 | DFT_256QAM | 19.51 | -2.5 | 17.01 | 50.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 1@215 | DFT_256QAM | 19.38 | -2.5 | 16.88 | 48.75 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 217@0 | CP_QPSK | 20.81 | -2.5 | 18.31 | 67.76 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 109@54 | CP_QPSK | 22.32 | -2.5 | 19.82 | 95.94 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 1@1 | CP_QPSK | 22.21 | -2.5 | 19.71 | 93.54 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 1@215 | CP_QPSK | 22.05 | -2.5 | 19.55 | 90.16 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 217@0 | CP_16QAM | 20.85 | -2.5 | 18.35 | 68.39 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 109@54 | CP_16QAM | 21.81 | -2.5 | 19.31 | 85.31 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 1@1 | CP_16QAM | 21.7 | -2.5 | 19.2 | 83.18 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 1@215 | CP_16QAM | 21.58 | -2.5 | 19.08 | 80.91 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 217@0 | CP_64QAM | 20.3 | -2.5 | 17.8 | 60.26 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 109@54 | CP_64QAM | 20.35 | -2.5 | 17.85 | 60.95 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 80 | 632668 | 1@1 | CP_64QAM | 20.34 | -2. | 17.8 | 60.81 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 5 | 4 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 1@215 | CP_64QAM | 20.18 | -2.5 | 17.68 | 58.61 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 217@0 | CP_256QAM | 17.42 | -2.5 | 14.92 | 31.05 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 109@54 | CP_256QAM | 17.36 | -2.5 | 14.86 | 30.62 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 1@1 | CP_256QAM | 17.51 | -2.5 | 15.01 | 31.7 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 632668 | 1@215 | CP_256QAM | 17.35 | -2.5 | 14.85 | 30.55 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 216@0 | DFT_BPSK | 23.36 | -2.5 | 20.86 | 121.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 108@54 | DFT_BPSK | 23.89 | -2.5 | 21.39 | 137.72 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 1@1 | DFT_BPSK | 23.78 | -2.5 | 21.28 | 134.28 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 1@215 | DFT_BPSK | 23.57 | -2.5 | 21.07 | 127.94 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 216@0 | DFT_QPSK | 22.86 | -2.5 | 20.36 | 108.64 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 108@54 | DFT_QPSK | 23.88 | -2.5 | 21.38 | 137.4 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 1@1 | DFT_QPSK | 23.79 | -2.5 | 21.29 | 134.59 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 1@215 | DFT_QPSK | 23.62 | -2.5 | 21.12 | 129.42 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 216@0 | DFT_16QAM | 21.85 | -2.5 | 19.35 | 86.1 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 108@54 | DFT_16QAM | 22.88 | -2.5 | 20.38 | 109.14 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 1@1 | DFT_16QAM | 23.02 | -2.5 | 20.52 | 112.72 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 1@215 | DFT_16QAM | 22.87 | -2.5 | 20.37 | 108.89 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 216@0 | DFT_64QAM | 21.36 | -2.5 | 18.86 | 76.91 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 108@54 | DFT_64QAM | 21.36 | -2.5 | 18.86 | 76.91 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 1@1 | DFT_64QAM | 21.48 | -2.5 | 18.98 | 79.07 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 1@215 | DFT_64QAM | 21.33 | -2.5 | 18.83 | 76.38 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 80 | 633334 | 216@0 | DFT_256QA | 19.4 | -2. | 16.9 | 48.98 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 5 | | | 0 | |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 108@54 | DFT_256QAM | 19.43 | -2.5 | 16.93 | 49.32 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 1@1 | DFT_256QAM | 19.49 | -2.5 | 16.99 | 50 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 1@215 | DFT_256QAM | 19.32 | -2.5 | 16.82 | 48.08 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 217@0 | CP_QPSK | 20.84 | -2.5 | 18.34 | 68.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 109@54 | CP_QPSK | 22.34 | -2.5 | 19.84 | 96.38 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 1@1 | CP_QPSK | 22.23 | -2.5 | 19.73 | 93.97 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 1@215 | CP_QPSK | 22.05 | -2.5 | 19.55 | 90.16 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 217@0 | CP_16QAM | 20.85 | -2.5 | 18.35 | 68.39 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 109@54 | CP_16QAM | 21.81 | -2.5 | 19.31 | 85.31 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 1@1 | CP_16QAM | 21.7 | -2.5 | 19.2 | 83.18 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 1@215 | CP_16QAM | 21.52 | -2.5 | 19.02 | 79.8 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 217@0 | CP_64QAM | 20.35 | -2.5 | 17.85 | 60.95 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 109@54 | CP_64QAM | 20.35 | -2.5 | 17.85 | 60.95 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 1@1 | CP_64QAM | 20.35 | -2.5 | 17.85 | 60.95 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 1@215 | CP_64QAM | 20.17 | -2.5 | 17.67 | 58.48 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 217@0 | CP_256QAM | 17.43 | -2.5 | 14.93 | 31.12 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 109@54 | CP_256QAM | 17.37 | -2.5 | 14.87 | 30.69 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 1@1 | CP_256QAM | 17.52 | -2.5 | 15.02 | 31.77 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 1@215 | CP_256QAM | 17.3 | -2.5 | 14.8 | 30.2 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 216@0 | DFT_BPSK | 23.44 | -2.5 | 20.94 | 124.17 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 108@54 | DFT_BPSK | 23.99 | -2.5 | 21.49 | 140.93 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 80 | 634000 | 1@1 | DFT_BPSK | 23.95 | -2. | 21.4 | 139.6 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 5 | 5 | 4 | 0 | |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 1@215 | DFT_BPSK | 23.66 | -2.5 | 21.16 | 130.62 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 216@0 | DFT_QPSK | 22.95 | -2.5 | 20.45 | 110.92 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 108@54 | DFT_QPSK | 23.95 | -2.5 | 21.45 | 139.64 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 1@1 | DFT_QPSK | 23.97 | -2.5 | 21.47 | 140.28 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 1@215 | DFT_QPSK | 23.7 | -2.5 | 21.2 | 131.83 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 216@0 | DFT_16QAM | 21.91 | -2.5 | 19.41 | 87.3 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 108@54 | DFT_16QAM | 22.94 | -2.5 | 20.44 | 110.66 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 1@1 | DFT_16QAM | 23.2 | -2.5 | 20.7 | 117.49 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 1@215 | DFT_16QAM | 23.01 | -2.5 | 20.51 | 112.46 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 216@0 | DFT_64QAM | 21.44 | -2.5 | 18.94 | 78.34 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 108@54 | DFT_64QAM | 21.47 | -2.5 | 18.97 | 78.89 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 1@1 | DFT_64QAM | 21.65 | -2.5 | 19.15 | 82.22 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 1@215 | DFT_64QAM | 21.36 | -2.5 | 18.86 | 76.91 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 216@0 | DFT_256QAM | 19.51 | -2.5 | 17.01 | 50.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 108@54 | DFT_256QAM | 19.51 | -2.5 | 17.01 | 50.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 1@1 | DFT_256QAM | 19.7 | -2.5 | 17.2 | 52.48 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 1@215 | DFT_256QAM | 19.43 | -2.5 | 16.93 | 49.32 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 217@0 | CP_QPSK | 20.92 | -2.5 | 18.42 | 69.5 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 109@54 | CP_QPSK | 22.4 | -2.5 | 19.9 | 97.72 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 1@1 | CP_QPSK | 22.38 | -2.5 | 19.88 | 97.27 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 1@215 | CP_QPSK | 22.12 | -2.5 | 19.62 | 91.62 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 80 | 634000 | 217@0 | CP_16QAM | 20.94 | -2. | 18.4 | 69.82 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 5 | 4 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 109@54 | CP_16QAM | 21.89 | -2.5 | 19.39 | 86.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 1@1 | CP_16QAM | 21.89 | -2.5 | 19.39 | 86.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 1@215 | CP_16QAM | 21.62 | -2.5 | 19.12 | 81.66 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 217@0 | CP_64QAM | 20.42 | -2.5 | 17.92 | 61.94 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 109@54 | CP_64QAM | 20.43 | -2.5 | 17.93 | 62.09 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 1@1 | CP_64QAM | 20.55 | -2.5 | 18.05 | 63.83 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 1@215 | CP_64QAM | 20.25 | -2.5 | 17.75 | 59.57 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 217@0 | CP_256QAM | 17.49 | -2.5 | 14.99 | 31.55 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 109@54 | CP_256QAM | 17.45 | -2.5 | 14.95 | 31.26 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 1@1 | CP_256QAM | 17.72 | -2.5 | 15.22 | 33.27 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 634000 | 1@215 | CP_256QAM | 17.38 | -2.5 | 14.88 | 30.76 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 243@0 | DFT_BPSK | 23.3 | -2.5 | 20.8 | 120.23 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 120@60 | DFT_BPSK | 23.84 | -2.5 | 21.34 | 136.14 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 1@1 | DFT_BPSK | 23.65 | -2.5 | 21.15 | 130.32 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 1@243 | DFT_BPSK | 23.49 | -2.5 | 20.99 | 125.6 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 243@0 | DFT_QPSK | 22.79 | -2.5 | 20.29 | 106.91 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 120@60 | DFT_QPSK | 23.84 | -2.5 | 21.34 | 136.14 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 1@1 | DFT_QPSK | 23.66 | -2.5 | 21.16 | 130.62 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 1@243 | DFT_QPSK | 23.52 | -2.5 | 21.02 | 126.47 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 243@0 | DFT_16QAM | 21.75 | -2.5 | 19.25 | 84.14 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 120@60 | DFT_16QAM | 22.82 | -2.5 | 20.32 | 107.65 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 90 | 633000 | 1@1 | DFT_16QA | 22.92 | -2. | 20.4 | 110.1 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 5 | 2 | 5 | 0 | |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 1@243 | DFT_16QAM | 22.81 | -2.5 | 20.31 | 107.4 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 243@0 | DFT_64QAM | 21.29 | -2.5 | 18.79 | 75.68 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 120@60 | DFT_64QAM | 21.33 | -2.5 | 18.83 | 76.38 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 1@1 | DFT_64QAM | 21.36 | -2.5 | 18.86 | 76.91 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 1@243 | DFT_64QAM | 21.24 | -2.5 | 18.74 | 74.82 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 243@0 | DFT_256QAM | 19.27 | -2.5 | 16.77 | 47.53 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 120@60 | DFT_256QAM | 19.37 | -2.5 | 16.87 | 48.64 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 1@1 | DFT_256QAM | 19.38 | -2.5 | 16.88 | 48.75 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 1@243 | DFT_256QAM | 19.23 | -2.5 | 16.73 | 47.1 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 245@0 | CP_QPSK | 20.72 | -2.5 | 18.22 | 66.37 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 123@61 | CP_QPSK | 22.22 | -2.5 | 19.72 | 93.76 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 1@1 | CP_QPSK | 22.09 | -2.5 | 19.59 | 90.99 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 1@243 | CP_QPSK | 21.94 | -2.5 | 19.44 | 87.9 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 245@0 | CP_16QAM | 20.75 | -2.5 | 18.25 | 66.83 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 123@61 | CP_16QAM | 21.79 | -2.5 | 19.29 | 84.92 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 1@1 | CP_16QAM | 21.57 | -2.5 | 19.07 | 80.72 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 1@243 | CP_16QAM | 21.49 | -2.5 | 18.99 | 79.25 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 245@0 | CP_64QAM | 20.24 | -2.5 | 17.74 | 59.43 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 123@61 | CP_64QAM | 20.34 | -2.5 | 17.84 | 60.81 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 1@1 | CP_64QAM | 20.24 | -2.5 | 17.74 | 59.43 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 1@243 | CP_64QAM | 20.08 | -2.5 | 17.58 | 57.28 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 90 | 633000 | 245@0 | CP_256QA | 17.3 | -2. | 14.8 | 30.2 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 5 | | | 0 | |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 123@61 | CP_256QAM | 17.32 | -2.5 | 14.82 | 30.34 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 1@1 | CP_256QAM | 17.41 | -2.5 | 14.91 | 30.97 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633000 | 1@243 | CP_256QAM | 17.2 | -2.5 | 14.7 | 29.51 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 243@0 | DFT_BPSK | 23.34 | -2.5 | 20.84 | 121.34 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 120@60 | DFT_BPSK | 23.87 | -2.5 | 21.37 | 137.09 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 1@1 | DFT_BPSK | 23.7 | -2.5 | 21.2 | 131.83 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 1@243 | DFT_BPSK | 23.5 | -2.5 | 21 | 125.89 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 243@0 | DFT_QPSK | 22.83 | -2.5 | 20.33 | 107.89 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 120@60 | DFT_QPSK | 23.85 | -2.5 | 21.35 | 136.46 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 1@1 | DFT_QPSK | 23.7 | -2.5 | 21.2 | 131.83 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 1@243 | DFT_QPSK | 23.54 | -2.5 | 21.04 | 127.06 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 243@0 | DFT_16QAM | 21.82 | -2.5 | 19.32 | 85.51 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 120@60 | DFT_16QAM | 22.83 | -2.5 | 20.33 | 107.89 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 1@1 | DFT_16QAM | 22.93 | -2.5 | 20.43 | 110.41 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 1@243 | DFT_16QAM | 22.77 | -2.5 | 20.27 | 106.41 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 243@0 | DFT_64QAM | 21.34 | -2.5 | 18.84 | 76.56 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 120@60 | DFT_64QAM | 21.39 | -2.5 | 18.89 | 77.45 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 1@1 | DFT_64QAM | 21.45 | -2.5 | 18.95 | 78.52 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 1@243 | DFT_64QAM | 21.27 | -2.5 | 18.77 | 75.34 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 243@0 | DFT_256QAM | 19.36 | -2.5 | 16.86 | 48.53 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 120@60 | DFT_256QAM | 19.39 | -2.5 | 16.89 | 48.87 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 90 | 633334 | 1@1 | DFT_256QA | 19.45 | -2. | 16.9 | 49.55 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 5 | 5 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 1@243 | DFT_256QAM | 19.26 | -2.5 | 16.76 | 47.42 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 245@0 | CP_QPSK | 20.78 | -2.5 | 18.28 | 67.3 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 123@61 | CP_QPSK | 22.27 | -2.5 | 19.77 | 94.84 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 1@1 | CP_QPSK | 22.17 | -2.5 | 19.67 | 92.68 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 1@243 | CP_QPSK | 21.97 | -2.5 | 19.47 | 88.51 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 245@0 | CP_16QAM | 20.8 | -2.5 | 18.3 | 67.61 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 123@61 | CP_16QAM | 21.81 | -2.5 | 19.31 | 85.31 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 1@1 | CP_16QAM | 21.61 | -2.5 | 19.11 | 81.47 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 1@243 | CP_16QAM | 21.46 | -2.5 | 18.96 | 78.7 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 245@0 | CP_64QAM | 20.28 | -2.5 | 17.78 | 59.98 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 123@61 | CP_64QAM | 20.35 | -2.5 | 17.85 | 60.95 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 1@1 | CP_64QAM | 20.29 | -2.5 | 17.79 | 60.12 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 1@243 | CP_64QAM | 20.13 | -2.5 | 17.63 | 57.94 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 245@0 | CP_256QAM | 17.31 | -2.5 | 14.81 | 30.27 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 123@61 | CP_256QAM | 17.32 | -2.5 | 14.82 | 30.34 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 1@1 | CP_256QAM | 17.3 | -2.5 | 14.8 | 30.2 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 1@243 | CP_256QAM | 17.28 | -2.5 | 14.78 | 30.06 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 243@0 | DFT_BPSK | 23.37 | -2.5 | 20.87 | 122.18 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 120@60 | DFT_BPSK | 23.88 | -2.5 | 21.38 | 137.4 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 1@1 | DFT_BPSK | 23.74 | -2.5 | 21.24 | 133.05 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 1@243 | DFT_BPSK | 23.53 | -2.5 | 21.03 | 126.77 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 90 | 633666 | 243@0 | DFT_QPSK | 22.84 | -2. | 20.3 | 108.1 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 5 | 4 | 4 | 0 | |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 120@60 | DFT_QPSK | 23.86 | -2.5 | 21.36 | 136.77 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 1@1 | DFT_QPSK | 23.75 | -2.5 | 21.25 | 133.35 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 1@243 | DFT_QPSK | 23.55 | -2.5 | 21.05 | 127.35 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 243@0 | DFT_16QAM | 21.8 | -2.5 | 19.3 | 85.11 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 120@60 | DFT_16QAM | 22.83 | -2.5 | 20.33 | 107.89 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 1@1 | DFT_16QAM | 22.99 | -2.5 | 20.49 | 111.94 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 1@243 | DFT_16QAM | 22.85 | -2.5 | 20.35 | 108.39 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 243@0 | DFT_64QAM | 21.36 | -2.5 | 18.86 | 76.91 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 120@60 | DFT_64QAM | 21.39 | -2.5 | 18.89 | 77.45 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 1@1 | DFT_64QAM | 21.46 | -2.5 | 18.96 | 78.7 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 1@243 | DFT_64QAM | 21.26 | -2.5 | 18.76 | 75.16 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 243@0 | DFT_256QAM | 19.35 | -2.5 | 16.85 | 48.42 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 120@60 | DFT_256QAM | 19.41 | -2.5 | 16.91 | 49.09 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 1@1 | DFT_256QAM | 19.48 | -2.5 | 16.98 | 49.89 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 1@243 | DFT_256QAM | 19.28 | -2.5 | 16.78 | 47.64 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 245@0 | CP_QPSK | 20.78 | -2.5 | 18.28 | 67.3 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 123@61 | CP_QPSK | 22.28 | -2.5 | 19.78 | 95.06 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 1@1 | CP_QPSK | 22.22 | -2.5 | 19.72 | 93.76 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 1@243 | CP_QPSK | 22.05 | -2.5 | 19.55 | 90.16 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 245@0 | CP_16QAM | 20.81 | -2.5 | 18.31 | 67.76 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 123@61 | CP_16QAM | 21.82 | -2.5 | 19.32 | 85.51 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 90 | 633666 | 1@1 | CP_16QAM | 21.65 | -2. | 19.1 | 82.22 | 100 | PASS |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 5 | 5 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 1@243 | CP_16QAM | 21.58 | -2.5 | 19.08 | 80.91 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 245@0 | CP_64QAM | 20.29 | -2.5 | 17.79 | 60.12 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 123@61 | CP_64QAM | 20.36 | -2.5 | 17.86 | 61.09 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 1@1 | CP_64QAM | 20.34 | -2.5 | 17.84 | 60.81 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 1@243 | CP_64QAM | 20.22 | -2.5 | 17.72 | 59.16 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 245@0 | CP_256QAM | 17.33 | -2.5 | 14.83 | 30.41 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 123@61 | CP_256QAM | 17.32 | -2.5 | 14.82 | 30.34 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 1@1 | CP_256QAM | 17.44 | -2.5 | 14.94 | 31.19 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633666 | 1@243 | CP_256QAM | 17.34 | -2.5 | 14.84 | 30.48 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | 23.28 | -2.5 | 20.78 | 119.67 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 135@67 | DFT_BPSK | 23.83 | -2.5 | 21.33 | 135.83 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 1@1 | DFT_BPSK | 23.66 | -2.5 | 21.16 | 130.62 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 1@271 | DFT_BPSK | 23.43 | -2.5 | 20.93 | 123.88 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_QPSK | 22.75 | -2.5 | 20.25 | 105.93 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 135@67 | DFT_QPSK | 23.82 | -2.5 | 21.32 | 135.52 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 1@1 | DFT_QPSK | 23.66 | -2.5 | 21.16 | 130.62 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 1@271 | DFT_QPSK | 23.48 | -2.5 | 20.98 | 125.31 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_16QAM | 21.77 | -2.5 | 19.27 | 84.53 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 135@67 | DFT_16QAM | 22.82 | -2.5 | 20.32 | 107.65 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 1@1 | DFT_16QAM | 22.92 | -2.5 | 20.42 | 110.15 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 1@271 | DFT_16QAM | 22.73 | -2.5 | 20.23 | 105.44 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 100 | 633334 | 270@0 | DFT_64QA | 21.24 | -2. | 18.7 | 74.82 | 100 | PASS |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 5 | 4 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 135@67 | DFT_64QAM | 21.36 | -2.5 | 18.86 | 76.91 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 1@1 | DFT_64QAM | 21.34 | -2.5 | 18.84 | 76.56 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 1@271 | DFT_64QAM | 21.16 | -2.5 | 18.66 | 73.45 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_256QAM | 19.28 | -2.5 | 16.78 | 47.64 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 135@67 | DFT_256QAM | 19.42 | -2.5 | 16.92 | 49.2 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 1@1 | DFT_256QAM | 19.43 | -2.5 | 16.93 | 49.32 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 1@271 | DFT_256QAM | 19.22 | -2.5 | 16.72 | 46.99 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 273@0 | CP_QPSK | 20.72 | -2.5 | 18.22 | 66.37 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 137@68 | CP_QPSK | 22.27 | -2.5 | 19.77 | 94.84 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 1@1 | CP_QPSK | 22.1 | -2.5 | 19.6 | 91.2 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 1@271 | CP_QPSK | 21.91 | -2.5 | 19.41 | 87.3 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 273@0 | CP_16QAM | 20.71 | -2.5 | 18.21 | 66.22 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 137@68 | CP_16QAM | 21.79 | -2.5 | 19.29 | 84.92 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 1@1 | CP_16QAM | 21.58 | -2.5 | 19.08 | 80.91 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 1@271 | CP_16QAM | 21.4 | -2.5 | 18.9 | 77.62 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 273@0 | CP_64QAM | 20.26 | -2.5 | 17.76 | 59.7 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 137@68 | CP_64QAM | 20.31 | -2.5 | 17.81 | 60.39 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 1@1 | CP_64QAM | 20.27 | -2.5 | 17.77 | 59.84 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 1@271 | CP_64QAM | 20.05 | -2.5 | 17.55 | 56.89 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 273@0 | CP_256QAM | 17.22 | -2.5 | 14.72 | 29.65 | 1000 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 137@68 | CP_256QAM | 17.35 | -2.5 | 14.85 | 30.55 | 1000 | PASS |
| NVNT | n77(3450-355 | 30 | 100 | 633334 | 1@1 | CP_256QA | 17.41 | -2. | 14.9 | 30.97 | 100 | PASS |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 5 | 1 | | 0 | |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 1@271 | CP_256QAM | 17.19 | -2.5 | 14.69 | 29.44 | 1000 | PASS |

# 2. Frequency Stability

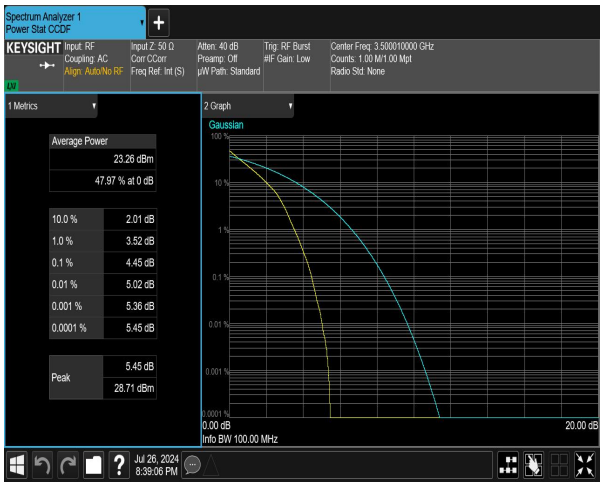
| Temperature (℃) | Voltage (V) | Band | SCS (kHz) | Bandwidth (MHz) | UL Channel | RB Allocation | Modulation | Result(Hz) | Result (ppm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|
| 20(Ref.) | 7.74 | n77(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | 9.8 | 0.0028 | PASS |
| 20 | 6 | n77(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | 5.2 | 0.00149 | PASS |
| 20 | 8.9 | n77(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | 11.1 | 0.00317 | PASS |
| -30 | 7.74 | n77(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | 8.1 | 0.00231 | PASS |
| -20 | 7.74 | n77(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | -7.4 | -0.00211 | PASS |
| -10 | 7.74 | n77(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | -3.4 | -0.00097 | PASS |
| 0 | 7.74 | n77(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | 2.4 | 0.00069 | PASS |
| 10 | 7.74 | n77(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | -2.9 | -0.00083 | PASS |
| 30 | 7.74 | n77(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | -3.3 | -0.00094 | PASS |
| 40 | 7.74 | n77(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | -1.1 | -0.00031 | PASS |
| 50 | 7.74 | n77(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | -10.6 | -0.00303 | PASS |

**Note:** The frequency fundamental emissions stay within the authorized frequency block.

# 3. Peak-to-average Ratio

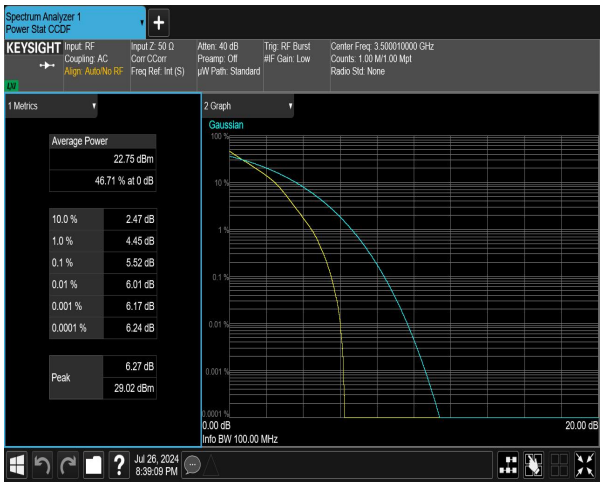
| Condition | Band | SCS (kHz) | Bandwidth (MHz) | UL Channel | RB Allocation | Modulation | Result (dB) | High Limit (dB) | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 24@0 | DFT_BPSK | 4.45 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 24@0 | DFT_QPSK | 5.52 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 24@0 | DFT_16QAM | 6.26 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 24@0 | DFT_64QAM | 6.65 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 10 | 633334 | 24@0 | DFT_256QAM | 6.76 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 36@0 | DFT_BPSK | 4.41 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 36@0 | DFT_QPSK | 5.58 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 36@0 | DFT_16QAM | 6.42 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 36@0 | DFT_64QAM | 6.65 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 15 | 633334 | 36@0 | DFT_256QAM | 6.65 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 50@0 | DFT_BPSK | 4.42 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 50@0 | DFT_QPSK | 5.56 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 50@0 | DFT_16QAM | 6.42 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 50@0 | DFT_64QAM | 6.51 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 20 | 633334 | 50@0 | DFT_256QAM | 6.84 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 100@0 | DFT_BPSK | 4.34 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 100@0 | DFT_QPSK | 5.52 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 100@0 | DFT_16QAM | 6.30 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 100@0 | DFT_64QAM | 6.49 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 40 | 633334 | 100@0 | DFT_256QAM | 6.71 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 128@0 | DFT_BPSK | 4.65 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 128@0 | DFT_QPSK | 5.56 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 128@0 | DFT_16QAM | 6.32 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 128@0 | DFT_64QAM | 6.50 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 50 | 633334 | 128@0 | DFT_256QAM | 6.73 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 162@0 | DFT_BPSK | 4.40 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 162@0 | DFT_QPSK | 5.58 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 162@0 | DFT_16QAM | 6.34 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 162@0 | DFT_64QAM | 6.56 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 60 | 633334 | 162@0 | DFT_256QAM | 6.71 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 180@0 | DFT_BPSK | 4.52 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 180@0 | DFT_QPSK | 5.56 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 180@0 | DFT_16QAM | 6.37 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 180@0 | DFT_64QAM | 6.56 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 70 | 633334 | 180@0 | DFT_256QAM | 6.70 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 216@0 | DFT_BPSK | 5.00 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 216@0 | DFT_QPSK | 5.59 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 216@0 | DFT_16QAM | 6.40 | 13 | PASS |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 216@0 | DFT_64QAM | 6.53 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 80 | 633334 | 216@0 | DFT_256QAM | 6.69 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 243@0 | DFT_BPSK | 4.40 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 243@0 | DFT_QPSK | 5.56 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 243@0 | DFT_16QAM | 6.32 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 243@0 | DFT_64QAM | 6.57 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 90 | 633334 | 243@0 | DFT_256QAM | 6.65 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | 5.13 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_QPSK | 5.62 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_16QAM | 6.38 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_64QAM | 6.61 | 13 | PASS |
| NVNT | n77(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_256QAM | 6.63 | 13 | PASS |



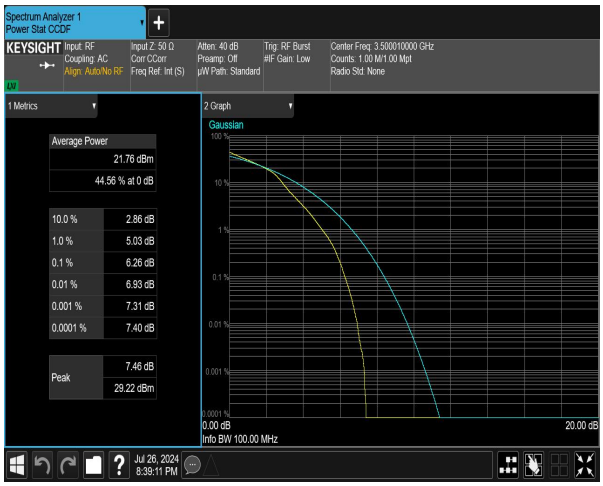

n77(3450-3550) SCS=30kHz DFT_BPSK BW=10MHz

Channel=633334 RB=24@0 NVNT



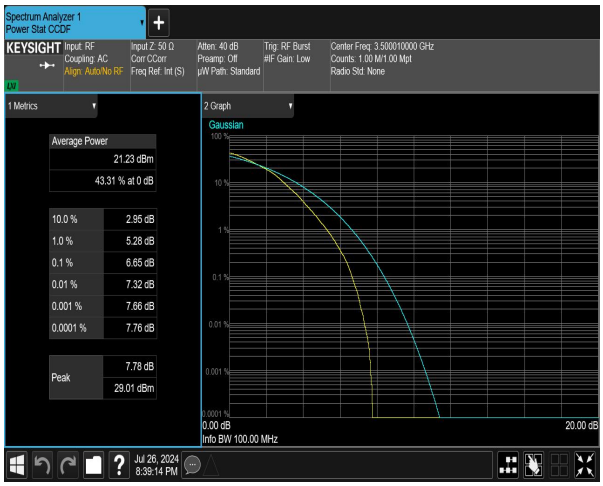

n77(3450-3550) SCS=30kHz DFT_QPSK BW=10MHz

Channel=633334 RB=24@0 NVNT




n77(3450-3550) SCS=30kHz DFT_16QAM BW=10MHz

Channel=633334 RB=24@0 NVNT

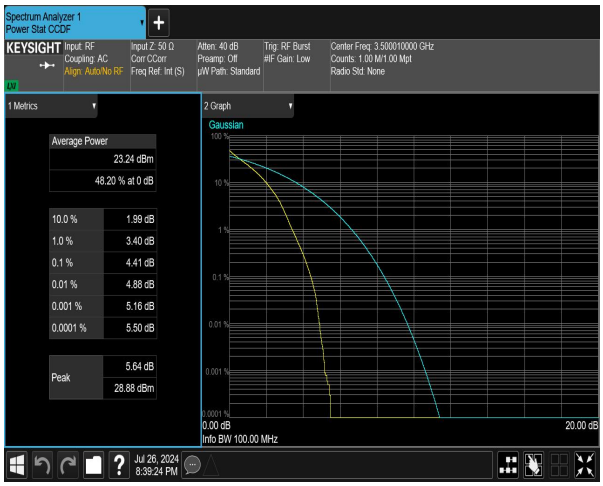



n77(3450-3550) SCS=30kHz DFT_64QAM BW=10MHz

Channel=633334 RB=24@0 NVNT

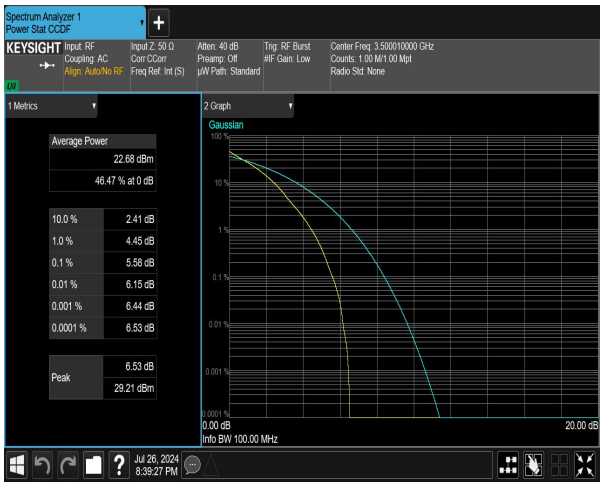
n77(3450-3550) SCS=30kHz DFT_256QAM BW=10MHz

Channel=633334 RB=24@0 NVNT




n77(3450-3550) SCS=30kHz DFT_BPSK BW=15MHz

Channel=633334 RB=36@0 NVNT

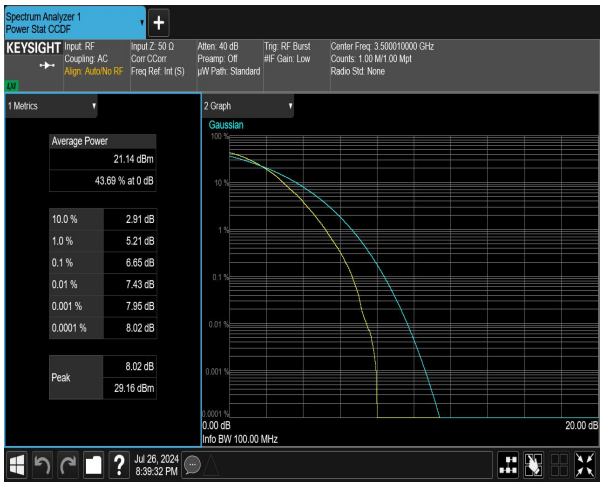



n77(3450-3550) SCS=30kHz DFT_QPSK BW=15MHz

Channel=633334 RB=36@0 NVNT

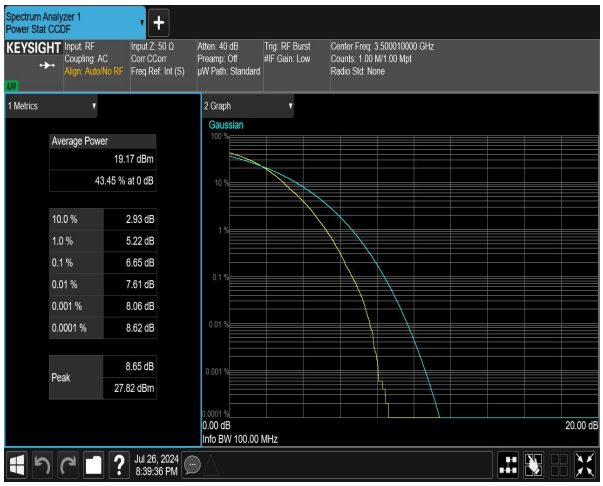
n77(3450-3550) SCS=30kHz DFT_16QAM BW=15MHz

Channel=633334 RB=36@0 NVNT



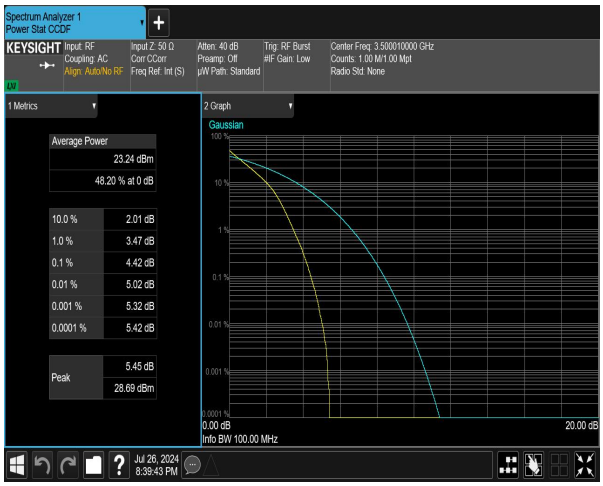

n77(3450-3550) SCS=30kHz DFT_64QAM BW=15MHz

Channel=633334 RB=36@0 NVNT



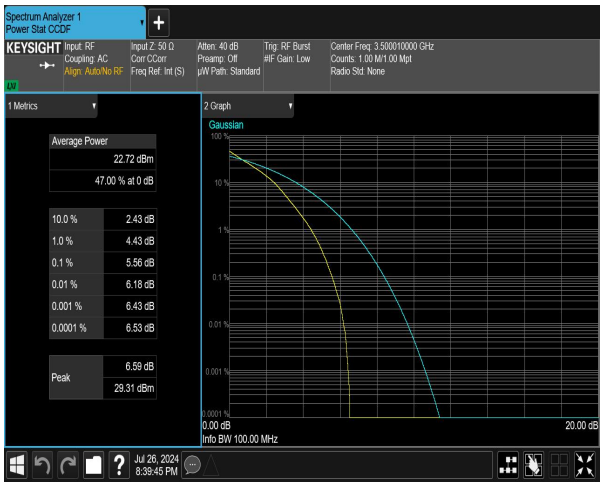

n77(3450-3550) SCS=30kHz DFT_256QAM BW=15MHz

Channel=633334 RB=36@0 NVNT



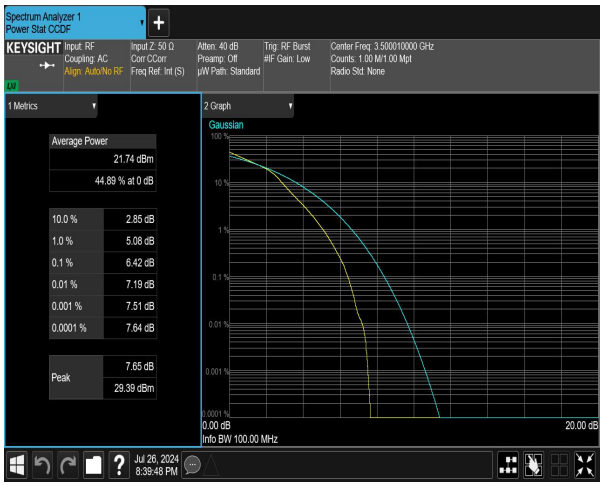

n77(3450-3550) SCS=30kHz DFT_BPSK BW=20MHz

Channel=633334 RB=50@0 NVNT




n77(3450-3550) SCS=30kHz DFT_QPSK BW=20MHz

Channel=633334 RB=50@0 NVNT

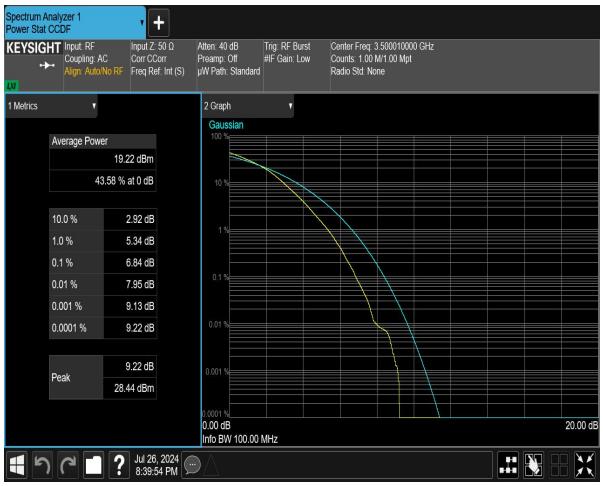



n77(3450-3550) SCS=30kHz DFT_16QAM BW=20MHz

Channel=633334 RB=50@0 NVNT

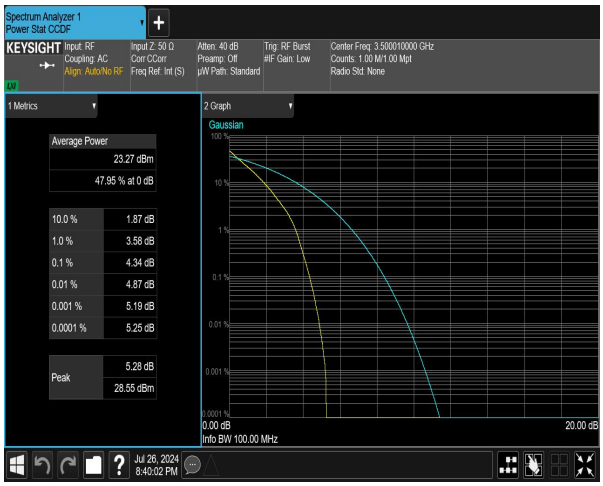
n77(3450-3550) SCS=30kHz DFT_64QAM BW=20MHz

Channel=633334 RB=50@0 NVNT



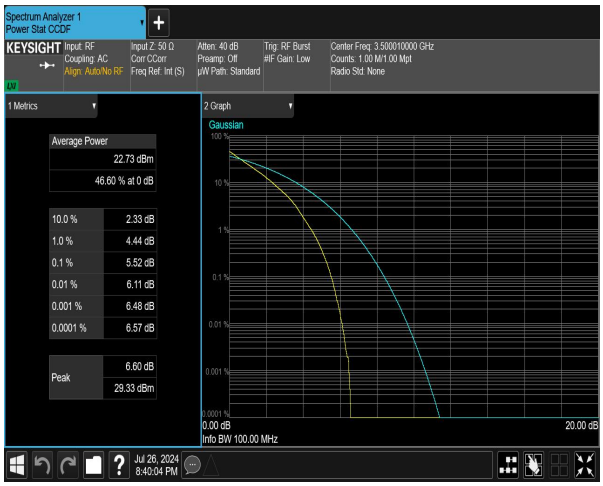

n77(3450-3550) SCS=30kHz DFT_256QAM BW=20MHz

Channel=633334 RB=50@0 NVNT




n77(3450-3550) SCS=30kHz DFT_BPSK BW=40MHz

Channel=633334 RB=100@0 NVNT

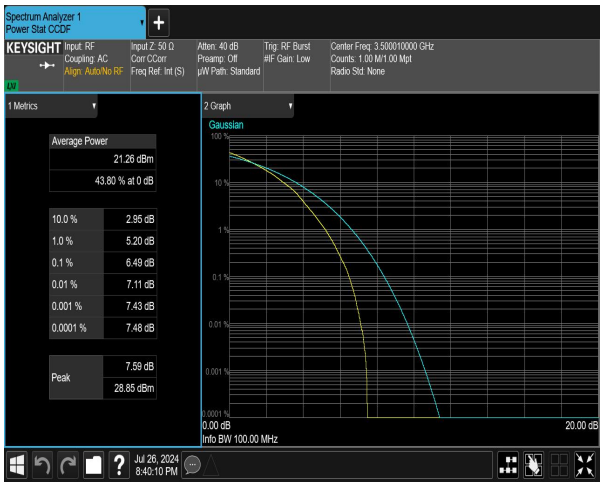



n77(3450-3550) SCS=30kHz DFT_QPSK BW=40MHz

Channel=633334 RB=100@0 NVNT

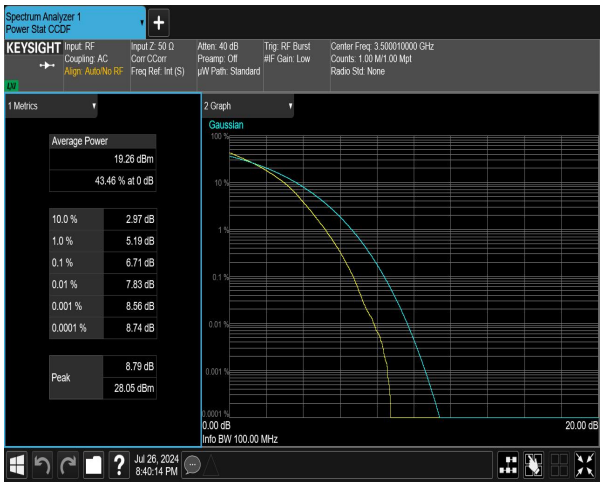
n77(3450-3550) SCS=30kHz DFT_16QAM BW=40MHz

Channel=633334 RB=100@0 NVNT



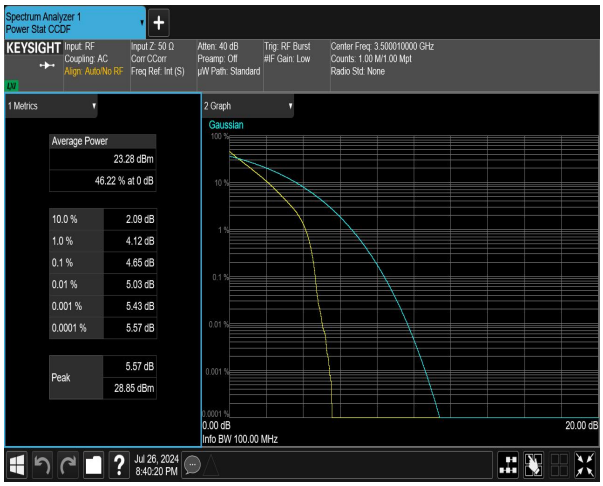

n77(3450-3550) SCS=30kHz DFT_64QAM BW=40MHz

Channel=633334 RB=100@0 NVNT




n77(3450-3550) SCS=30kHz DFT_256QAM BW=40MHz

Channel=633334 RB=100@0 NVNT




n77(3450-3550) SCS=30kHz DFT_BPSK BW=50MHz

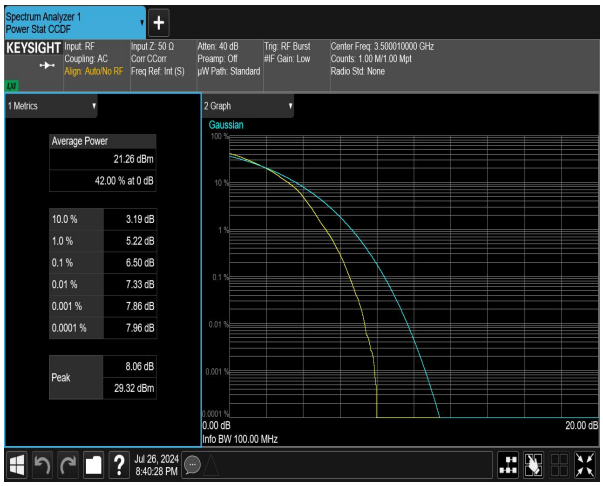
Channel=633334 RB=128@0 NVNT

n77(3450-3550) SCS=30kHz DFT_QPSK BW=50MHz

Channel=633334 RB=128@0 NVNT

n77(3450-3550) SCS=30kHz DFT_16QAM BW=50MHz

Channel=633334 RB=128@0 NVNT

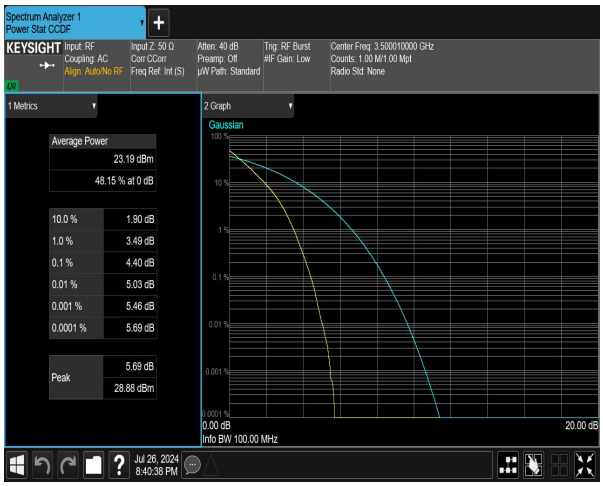



n77(3450-3550) SCS=30kHz DFT_64QAM BW=50MHz

Channel=633334 RB=128@0 NVNT

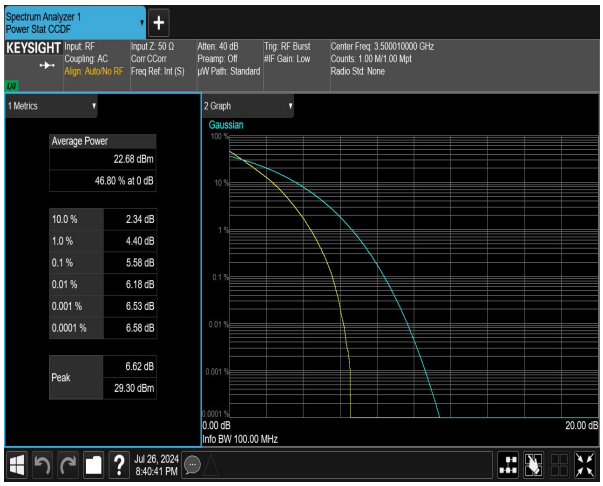
n77(3450-3550) SCS=30kHz DFT_256QAM BW=50MHz

Channel=633334 RB=128@0 NVNT



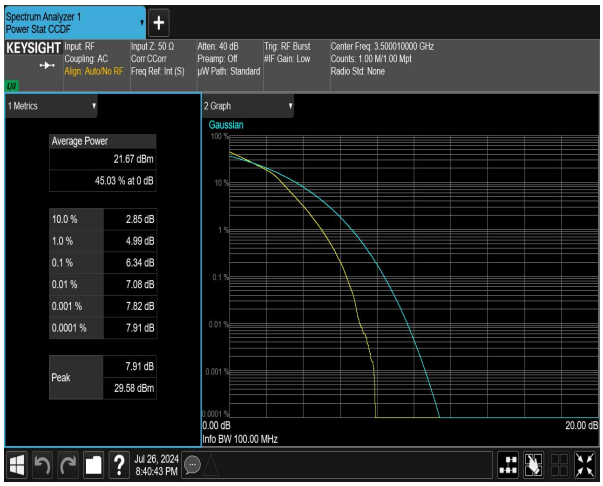

n77(3450-3550) SCS=30kHz DFT_BPSK BW=60MHz

Channel=633334 RB=162@0 NVNT




n77(3450-3550) SCS=30kHz DFT_QPSK BW=60MHz

Channel=633334 RB=162@0 NVNT




n77(3450-3550) SCS=30kHz DFT_16QAM BW=60MHz

Channel=633334 RB=162@0 NVNT

n77(3450-3550) SCS=30kHz DFT_64QAM BW=60MHz

Channel=633334 RB=162@0 NVNT

n77(3450-3550) SCS=30kHz DFT_256QAM BW=60MHz

Channel=633334 RB=162@0 NVNT