# Appendix A : Test Result - n77-(3.7G)

## 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(3700-3980) | 30 | 10 | 647000 | 24@0 | DFT_BPSK | 23.35 | -1.8 | 21.55 | 142.89 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 12@6 | DFT_BPSK | 23.9 | -1.8 | 22.1 | 162.18 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 1@1 | DFT_BPSK | 23.85 | -1.8 | 22.05 | 160.32 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 1@22 | DFT_BPSK | 23.79 | -1.8 | 21.99 | 158.12 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 24@0 | DFT_QPSK | 22.87 | -1.8 | 21.07 | 127.94 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 12@6 | DFT_QPSK | 23.89 | -1.8 | 22.09 | 161.81 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 1@1 | DFT_QPSK | 23.92 | -1.8 | 22.12 | 162.93 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 1@22 | DFT_QPSK | 23.86 | -1.8 | 22.06 | 160.69 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 24@0 | DFT_16QAM | 21.84 | -1.8 | 20.04 | 100.93 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 12@6 | DFT_16QAM | 22.82 | -1.8 | 21.02 | 126.47 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 1@1 | DFT_16QAM | 23.25 | -1.8 | 21.45 | 139.64 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 1@22 | DFT_16QAM | 23.16 | -1.8 | 21.36 | 136.77 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 24@0 | DFT_64QAM | 21.41 | -1.8 | 19.61 | 91.41 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 12@6 | DFT_64QAM | 21.38 | -1.8 | 19.58 | 90.78 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 1@1 | DFT_64QAM | 21.58 | -1.8 | 19.78 | 95.06 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 1@22 | DFT_64QAM | 21.52 | -1.8 | 19.72 | 93.76 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 10 | 647000 | 24@0 | DFT_256QA | 19.41 | -1. | 17.6 | 57.68 | 100 | PASS |

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| | 0) | | | | | M | | 8 | 1 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 12@6 | DFT_256QAM | 19.34 | -1.8 | 17.54 | 56.75 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 1@1 | DFT_256QAM | 19.62 | -1.8 | 17.82 | 60.53 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 1@22 | DFT_256QAM | 19.55 | -1.8 | 17.75 | 59.57 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 24@0 | CP_QPSK | 20.86 | -1.8 | 19.06 | 80.54 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 12@6 | CP_QPSK | 22.39 | -1.8 | 20.59 | 114.55 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 1@1 | CP_QPSK | 22.36 | -1.8 | 20.56 | 113.76 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 1@22 | CP_QPSK | 22.28 | -1.8 | 20.48 | 111.69 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 24@0 | CP_16QAM | 20.95 | -1.8 | 19.15 | 82.22 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 12@6 | CP_16QAM | 21.84 | -1.8 | 20.04 | 100.93 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 1@1 | CP_16QAM | 21.73 | -1.8 | 19.93 | 98.4 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 1@22 | CP_16QAM | 21.71 | -1.8 | 19.91 | 97.95 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 24@0 | CP_64QAM | 20.34 | -1.8 | 18.54 | 71.45 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 12@6 | CP_64QAM | 20.51 | -1.8 | 18.71 | 74.3 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 1@1 | CP_64QAM | 20.5 | -1.8 | 18.7 | 74.13 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 1@22 | CP_64QAM | 20.49 | -1.8 | 18.69 | 73.96 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 24@0 | CP_256QAM | 17.38 | -1.8 | 15.58 | 36.14 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 12@6 | CP_256QAM | 17.46 | -1.8 | 15.66 | 36.81 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 1@1 | CP_256QAM | 17.57 | -1.8 | 15.77 | 37.76 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 647000 | 1@22 | CP_256QAM | 17.51 | -1.8 | 15.71 | 37.24 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 24@0 | DFT_BPSK | 23.53 | -1.8 | 21.73 | 148.94 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 12@6 | DFT_BPSK | 24.05 | -1.8 | 22.25 | 167.88 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 10 | 656000 | 1@1 | DFT_BPSK | 23.92 | -1. | 22.1 | 162.9 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | 2 | 3 | 0 | |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 1@22 | DFT_BPSK | 23.99 | -1.8 | 22.19 | 165.58 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 24@0 | DFT_QPSK | 23.01 | -1.8 | 21.21 | 132.13 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 12@6 | DFT_QPSK | 24.05 | -1.8 | 22.25 | 167.88 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 1@1 | DFT_QPSK | 23.97 | -1.8 | 22.17 | 164.82 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 1@22 | DFT_QPSK | 24.01 | -1.8 | 22.21 | 166.34 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 24@0 | DFT_16QAM | 22 | -1.8 | 20.2 | 104.71 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 12@6 | DFT_16QAM | 23 | -1.8 | 21.2 | 131.83 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 1@1 | DFT_16QAM | 23.18 | -1.8 | 21.38 | 137.4 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 1@22 | DFT_16QAM | 23.25 | -1.8 | 21.45 | 139.64 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 24@0 | DFT_64QAM | 21.53 | -1.8 | 19.73 | 93.97 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 12@6 | DFT_64QAM | 21.54 | -1.8 | 19.74 | 94.19 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 1@1 | DFT_64QAM | 21.67 | -1.8 | 19.87 | 97.05 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 1@22 | DFT_64QAM | 21.69 | -1.8 | 19.89 | 97.5 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 24@0 | DFT_256QAM | 19.55 | -1.8 | 17.75 | 59.57 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 12@6 | DFT_256QAM | 19.51 | -1.8 | 17.71 | 59.02 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 1@1 | DFT_256QAM | 19.69 | -1.8 | 17.89 | 61.52 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 1@22 | DFT_256QAM | 19.74 | -1.8 | 17.94 | 62.23 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 24@0 | CP_QPSK | 20.98 | -1.8 | 19.18 | 82.79 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 12@6 | CP_QPSK | 22.52 | -1.8 | 20.72 | 118.03 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 1@1 | CP_QPSK | 22.44 | -1.8 | 20.64 | 115.88 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 1@22 | CP_QPSK | 22.48 | -1.8 | 20.68 | 116.95 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 10 | 656000 | 24@0 | CP_16QAM | 21.1 | -1. | 19.3 | 85.11 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | | | 0 | |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 12@6 | CP_16QAM | 21.92 | -1.8 | 20.12 | 102.8 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 1@1 | CP_16QAM | 21.9 | -1.8 | 20.1 | 102.33 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 1@22 | CP_16QAM | 21.9 | -1.8 | 20.1 | 102.33 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 24@0 | CP_64QAM | 20.49 | -1.8 | 18.69 | 73.96 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 12@6 | CP_64QAM | 20.59 | -1.8 | 18.79 | 75.68 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 1@1 | CP_64QAM | 20.6 | -1.8 | 18.8 | 75.86 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 1@22 | CP_64QAM | 20.68 | -1.8 | 18.88 | 77.27 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 24@0 | CP_256QAM | 17.5 | -1.8 | 15.7 | 37.15 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 12@6 | CP_256QAM | 17.65 | -1.8 | 15.85 | 38.46 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 1@1 | CP_256QAM | 17.7 | -1.8 | 15.9 | 38.9 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 1@22 | CP_256QAM | 17.7 | -1.8 | 15.9 | 38.9 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 24@0 | DFT_BPSK | 23.56 | -1.8 | 21.76 | 149.97 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 12@6 | DFT_BPSK | 24.06 | -1.8 | 22.26 | 168.27 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 1@1 | DFT_BPSK | 23.96 | -1.8 | 22.16 | 164.44 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 1@22 | DFT_BPSK | 24.02 | -1.8 | 22.22 | 166.72 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 24@0 | DFT_QPSK | 23.01 | -1.8 | 21.21 | 132.13 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 12@6 | DFT_QPSK | 24.11 | -1.8 | 22.31 | 170.22 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 1@1 | DFT_QPSK | 23.98 | -1.8 | 22.18 | 165.2 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 1@22 | DFT_QPSK | 24.02 | -1.8 | 22.22 | 166.72 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 24@0 | DFT_16QAM | 22.01 | -1.8 | 20.21 | 104.95 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 12@6 | DFT_16QAM | 23 | -1.8 | 21.2 | 131.83 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 10 | 665000 | 1@1 | DFT_16QA | 23.22 | -1. | 21.4 | 138.6 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 8 | 2 | 8 | 0 | |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 1@22 | DFT_16QAM | 23.24 | -1.8 | 21.44 | 139.32 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 24@0 | DFT_64QAM | 21.55 | -1.8 | 19.75 | 94.41 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 12@6 | DFT_64QAM | 21.59 | -1.8 | 19.79 | 95.28 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 1@1 | DFT_64QAM | 21.67 | -1.8 | 19.87 | 97.05 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 1@22 | DFT_64QAM | 21.69 | -1.8 | 19.89 | 97.5 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 24@0 | DFT_256QAM | 19.54 | -1.8 | 17.74 | 59.43 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 12@6 | DFT_256QAM | 19.47 | -1.8 | 17.67 | 58.48 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 1@1 | DFT_256QAM | 19.61 | -1.8 | 17.81 | 60.39 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 1@22 | DFT_256QAM | 19.68 | -1.8 | 17.88 | 61.38 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 24@0 | CP_QPSK | 20.98 | -1.8 | 19.18 | 82.79 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 12@6 | CP_QPSK | 22.51 | -1.8 | 20.71 | 117.76 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 1@1 | CP_QPSK | 22.44 | -1.8 | 20.64 | 115.88 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 1@22 | CP_QPSK | 22.48 | -1.8 | 20.68 | 116.95 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 24@0 | CP_16QAM | 21.09 | -1.8 | 19.29 | 84.92 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 12@6 | CP_16QAM | 21.99 | -1.8 | 20.19 | 104.47 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 1@1 | CP_16QAM | 21.92 | -1.8 | 20.12 | 102.8 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 1@22 | CP_16QAM | 21.84 | -1.8 | 20.04 | 100.93 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 24@0 | CP_64QAM | 20.54 | -1.8 | 18.74 | 74.82 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 12@6 | CP_64QAM | 20.68 | -1.8 | 18.88 | 77.27 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 1@1 | CP_64QAM | 20.54 | -1.8 | 18.74 | 74.82 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 1@22 | CP_64QAM | 20.53 | -1.8 | 18.73 | 74.64 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 10 | 665000 | 24@0 | CP_256QA | 17.53 | -1. | 15.7 | 37.41 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 8 | 3 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 12@6 | CP_256QAM | 17.61 | -1.8 | 15.81 | 38.11 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 1@1 | CP_256QAM | 17.69 | -1.8 | 15.89 | 38.82 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 665000 | 1@22 | CP_256QAM | 17.68 | -1.8 | 15.88 | 38.73 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 36@0 | DFT_BPSK | 23.33 | -1.8 | 21.53 | 142.23 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 18@9 | DFT_BPSK | 23.78 | -1.8 | 21.98 | 157.76 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 1@1 | DFT_BPSK | 23.77 | -1.8 | 21.97 | 157.4 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 1@36 | DFT_BPSK | 23.77 | -1.8 | 21.97 | 157.4 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 36@0 | DFT_QPSK | 22.81 | -1.8 | 21.01 | 126.18 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 18@9 | DFT_QPSK | 23.79 | -1.8 | 21.99 | 158.12 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 1@1 | DFT_QPSK | 23.84 | -1.8 | 22.04 | 159.96 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 1@36 | DFT_QPSK | 23.8 | -1.8 | 22 | 158.49 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 36@0 | DFT_16QAM | 21.84 | -1.8 | 20.04 | 100.93 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 18@9 | DFT_16QAM | 22.79 | -1.8 | 20.99 | 125.6 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 1@1 | DFT_16QAM | 23.07 | -1.8 | 21.27 | 133.97 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 1@36 | DFT_16QAM | 23.02 | -1.8 | 21.22 | 132.43 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 36@0 | DFT_64QAM | 21.32 | -1.8 | 19.52 | 89.54 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 18@9 | DFT_64QAM | 21.32 | -1.8 | 19.52 | 89.54 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 1@1 | DFT_64QAM | 21.56 | -1.8 | 19.76 | 94.62 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 1@36 | DFT_64QAM | 21.51 | -1.8 | 19.71 | 93.54 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 36@0 | DFT_256QAM | 19.28 | -1.8 | 17.48 | 55.98 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 18@9 | DFT_256QAM | 19.33 | -1.8 | 17.53 | 56.62 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 15 | 647168 | 1@1 | DFT_256QA | 19.44 | -1. | 17.6 | 58.08 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 8 | 4 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 1@36 | DFT_256QAM | 19.43 | -1.8 | 17.63 | 57.94 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 38@0 | CP_QPSK | 20.8 | -1.8 | 19 | 79.43 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 19@9 | CP_QPSK | 22.26 | -1.8 | 20.46 | 111.17 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 1@1 | CP_QPSK | 22.25 | -1.8 | 20.45 | 110.92 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 1@36 | CP_QPSK | 22.21 | -1.8 | 20.41 | 109.9 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 38@0 | CP_16QAM | 20.79 | -1.8 | 18.99 | 79.25 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 19@9 | CP_16QAM | 21.81 | -1.8 | 20.01 | 100.23 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 1@1 | CP_16QAM | 21.71 | -1.8 | 19.91 | 97.95 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 1@36 | CP_16QAM | 21.73 | -1.8 | 19.93 | 98.4 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 38@0 | CP_64QAM | 20.36 | -1.8 | 18.56 | 71.78 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 19@9 | CP_64QAM | 20.28 | -1.8 | 18.48 | 70.47 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 1@1 | CP_64QAM | 20.33 | -1.8 | 18.53 | 71.29 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 1@36 | CP_64QAM | 20.33 | -1.8 | 18.53 | 71.29 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 38@0 | CP_256QAM | 17.31 | -1.8 | 15.51 | 35.56 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 19@9 | CP_256QAM | 17.26 | -1.8 | 15.46 | 35.16 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 1@1 | CP_256QAM | 17.52 | -1.8 | 15.72 | 37.33 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 647168 | 1@36 | CP_256QAM | 17.52 | -1.8 | 15.72 | 37.33 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 36@0 | DFT_BPSK | 23.47 | -1.8 | 21.67 | 146.89 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 18@9 | DFT_BPSK | 23.93 | -1.8 | 22.13 | 163.31 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 1@1 | DFT_BPSK | 23.85 | -1.8 | 22.05 | 160.32 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 1@36 | DFT_BPSK | 23.94 | -1.8 | 22.14 | 163.68 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 15 | 656000 | 36@0 | DFT_QPSK | 22.95 | -1. | 21.1 | 130.3 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | 5 | 2 | 0 | |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 18@9 | DFT_QPSK | 23.92 | -1.8 | 22.12 | 162.93 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 1@1 | DFT_QPSK | 23.87 | -1.8 | 22.07 | 161.06 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 1@36 | DFT_QPSK | 23.97 | -1.8 | 22.17 | 164.82 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 36@0 | DFT_16QAM | 21.97 | -1.8 | 20.17 | 103.99 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 18@9 | DFT_16QAM | 22.98 | -1.8 | 21.18 | 131.22 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 1@1 | DFT_16QAM | 23.16 | -1.8 | 21.36 | 136.77 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 1@36 | DFT_16QAM | 23.28 | -1.8 | 21.48 | 140.6 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 36@0 | DFT_64QAM | 21.45 | -1.8 | 19.65 | 92.26 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 18@9 | DFT_64QAM | 21.5 | -1.8 | 19.7 | 93.33 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 1@1 | DFT_64QAM | 21.57 | -1.8 | 19.77 | 94.84 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 1@36 | DFT_64QAM | 21.71 | -1.8 | 19.91 | 97.95 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 36@0 | DFT_256QAM | 19.42 | -1.8 | 17.62 | 57.81 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 18@9 | DFT_256QAM | 19.47 | -1.8 | 17.67 | 58.48 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 1@1 | DFT_256QAM | 19.57 | -1.8 | 17.77 | 59.84 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 1@36 | DFT_256QAM | 19.66 | -1.8 | 17.86 | 61.09 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 38@0 | CP_QPSK | 20.97 | -1.8 | 19.17 | 82.6 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 19@9 | CP_QPSK | 22.46 | -1.8 | 20.66 | 116.41 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 1@1 | CP_QPSK | 22.36 | -1.8 | 20.56 | 113.76 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 1@36 | CP_QPSK | 22.42 | -1.8 | 20.62 | 115.35 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 38@0 | CP_16QAM | 20.95 | -1.8 | 19.15 | 82.22 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 19@9 | CP_16QAM | 22 | -1.8 | 20.2 | 104.71 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 15 | 656000 | 1@1 | CP_16QAM | 21.81 | -1. | 20.0 | 100.2 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | 1 | 3 | 0 | |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 1@36 | CP_16QAM | 21.94 | -1.8 | 20.14 | 103.28 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 38@0 | CP_64QAM | 20.48 | -1.8 | 18.68 | 73.79 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 19@9 | CP_64QAM | 20.44 | -1.8 | 18.64 | 73.11 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 1@1 | CP_64QAM | 20.45 | -1.8 | 18.65 | 73.28 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 1@36 | CP_64QAM | 20.53 | -1.8 | 18.73 | 74.64 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 38@0 | CP_256QAM | 17.46 | -1.8 | 15.66 | 36.81 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 19@9 | CP_256QAM | 17.47 | -1.8 | 15.67 | 36.9 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 1@1 | CP_256QAM | 17.58 | -1.8 | 15.78 | 37.84 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 1@36 | CP_256QAM | 17.7 | -1.8 | 15.9 | 38.9 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 36@0 | DFT_BPSK | 23.4 | -1.8 | 21.6 | 144.54 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 18@9 | DFT_BPSK | 23.92 | -1.8 | 22.12 | 162.93 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 1@1 | DFT_BPSK | 23.84 | -1.8 | 22.04 | 159.96 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 1@36 | DFT_BPSK | 23.89 | -1.8 | 22.09 | 161.81 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 36@0 | DFT_QPSK | 22.94 | -1.8 | 21.14 | 130.02 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 18@9 | DFT_QPSK | 23.92 | -1.8 | 22.12 | 162.93 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 1@1 | DFT_QPSK | 23.81 | -1.8 | 22.01 | 158.85 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 1@36 | DFT_QPSK | 23.92 | -1.8 | 22.12 | 162.93 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 36@0 | DFT_16QAM | 21.95 | -1.8 | 20.15 | 103.51 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 18@9 | DFT_16QAM | 22.96 | -1.8 | 21.16 | 130.62 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 1@1 | DFT_16QAM | 23.08 | -1.8 | 21.28 | 134.28 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 1@36 | DFT_16QAM | 23.19 | -1.8 | 21.39 | 137.72 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 15 | 664832 | 36@0 | DFT_64QA | 21.41 | -1. | 19.6 | 91.41 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 8 | 1 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 18@9 | DFT_64QAM | 21.48 | -1.8 | 19.68 | 92.9 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 1@1 | DFT_64QAM | 21.62 | -1.8 | 19.82 | 95.94 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 1@36 | DFT_64QAM | 21.67 | -1.8 | 19.87 | 97.05 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 36@0 | DFT_256QAM | 19.38 | -1.8 | 17.58 | 57.28 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 18@9 | DFT_256QAM | 19.41 | -1.8 | 17.61 | 57.68 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 1@1 | DFT_256QAM | 19.48 | -1.8 | 17.68 | 58.61 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 1@36 | DFT_256QAM | 19.58 | -1.8 | 17.78 | 59.98 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 38@0 | CP_QPSK | 20.91 | -1.8 | 19.11 | 81.47 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 19@9 | CP_QPSK | 22.42 | -1.8 | 20.62 | 115.35 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 1@1 | CP_QPSK | 22.29 | -1.8 | 20.49 | 111.94 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 1@36 | CP_QPSK | 22.39 | -1.8 | 20.59 | 114.55 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 38@0 | CP_16QAM | 20.89 | -1.8 | 19.09 | 81.1 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 19@9 | CP_16QAM | 21.97 | -1.8 | 20.17 | 103.99 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 1@1 | CP_16QAM | 21.74 | -1.8 | 19.94 | 98.63 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 1@36 | CP_16QAM | 21.83 | -1.8 | 20.03 | 100.69 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 38@0 | CP_64QAM | 20.44 | -1.8 | 18.64 | 73.11 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 19@9 | CP_64QAM | 20.41 | -1.8 | 18.61 | 72.61 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 1@1 | CP_64QAM | 20.37 | -1.8 | 18.57 | 71.94 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 1@36 | CP_64QAM | 20.43 | -1.8 | 18.63 | 72.95 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 38@0 | CP_256QAM | 17.42 | -1.8 | 15.62 | 36.48 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 19@9 | CP_256QAM | 17.41 | -1.8 | 15.61 | 36.39 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 15 | 664832 | 1@1 | CP_256QA | 17.58 | -1. | 15.7 | 37.84 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 8 | 8 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 15 | 664832 | 1@36 | CP_256QAM | 17.61 | -1.8 | 15.81 | 38.11 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 50@0 | DFT_BPSK | 23.25 | -1.8 | 21.45 | 139.64 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 25@12 | DFT_BPSK | 23.79 | -1.8 | 21.99 | 158.12 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 1@1 | DFT_BPSK | 23.77 | -1.8 | 21.97 | 157.4 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 1@49 | DFT_BPSK | 23.78 | -1.8 | 21.98 | 157.76 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 50@0 | DFT_QPSK | 22.75 | -1.8 | 20.95 | 124.45 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 25@12 | DFT_QPSK | 23.77 | -1.8 | 21.97 | 157.4 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 1@1 | DFT_QPSK | 23.81 | -1.8 | 22.01 | 158.85 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 1@49 | DFT_QPSK | 23.78 | -1.8 | 21.98 | 157.76 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 50@0 | DFT_16QAM | 21.77 | -1.8 | 19.97 | 99.31 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 25@12 | DFT_16QAM | 22.78 | -1.8 | 20.98 | 125.31 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 1@1 | DFT_16QAM | 23.03 | -1.8 | 21.23 | 132.74 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 1@49 | DFT_16QAM | 23.04 | -1.8 | 21.24 | 133.05 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 50@0 | DFT_64QAM | 21.26 | -1.8 | 19.46 | 88.31 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 25@12 | DFT_64QAM | 21.21 | -1.8 | 19.41 | 87.3 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 1@1 | DFT_64QAM | 21.52 | -1.8 | 19.72 | 93.76 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 1@49 | DFT_64QAM | 21.56 | -1.8 | 19.76 | 94.62 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 50@0 | DFT_256QAM | 19.3 | -1.8 | 17.5 | 56.23 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 25@12 | DFT_256QAM | 19.31 | -1.8 | 17.51 | 56.36 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 1@1 | DFT_256QAM | 19.49 | -1.8 | 17.69 | 58.75 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 1@49 | DFT_256QAM | 19.47 | -1.8 | 17.67 | 58.48 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 20 | 647334 | 51@0 | CP_QPSK | 20.77 | -1. | 18.9 | 78.89 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | 7 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 25@12 | CP_QPSK | 22.25 | -1.8 | 20.45 | 110.92 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 1@1 | CP_QPSK | 22.23 | -1.8 | 20.43 | 110.41 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 1@49 | CP_QPSK | 22.2 | -1.8 | 20.4 | 109.65 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 51@0 | CP_16QAM | 20.76 | -1.8 | 18.96 | 78.7 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 25@12 | CP_16QAM | 21.79 | -1.8 | 19.99 | 99.77 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 1@1 | CP_16QAM | 21.65 | -1.8 | 19.85 | 96.61 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 1@49 | CP_16QAM | 21.64 | -1.8 | 19.84 | 96.38 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 51@0 | CP_64QAM | 20.26 | -1.8 | 18.46 | 70.15 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 25@12 | CP_64QAM | 20.28 | -1.8 | 18.48 | 70.47 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 1@1 | CP_64QAM | 20.32 | -1.8 | 18.52 | 71.12 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 1@49 | CP_64QAM | 20.33 | -1.8 | 18.53 | 71.29 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 51@0 | CP_256QAM | 17.28 | -1.8 | 15.48 | 35.32 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 25@12 | CP_256QAM | 17.24 | -1.8 | 15.44 | 34.99 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 1@1 | CP_256QAM | 17.48 | -1.8 | 15.68 | 36.98 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 647334 | 1@49 | CP_256QAM | 17.41 | -1.8 | 15.61 | 36.39 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 50@0 | DFT_BPSK | 23.43 | -1.8 | 21.63 | 145.55 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 25@12 | DFT_BPSK | 23.97 | -1.8 | 22.17 | 164.82 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 1@1 | DFT_BPSK | 23.83 | -1.8 | 22.03 | 159.59 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 1@49 | DFT_BPSK | 23.97 | -1.8 | 22.17 | 164.82 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 50@0 | DFT_QPSK | 22.93 | -1.8 | 21.13 | 129.72 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 25@12 | DFT_QPSK | 23.95 | -1.8 | 22.15 | 164.06 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 20 | 656000 | 1@1 | DFT_QPSK | 23.84 | -1. | 22.0 | 159.9 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | 4 | 6 | 0 | |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 1@49 | DFT_QPSK | 23.99 | -1.8 | 22.19 | 165.58 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 50@0 | DFT_16QAM | 21.93 | -1.8 | 20.13 | 103.04 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 25@12 | DFT_16QAM | 22.95 | -1.8 | 21.15 | 130.32 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 1@1 | DFT_16QAM | 23.09 | -1.8 | 21.29 | 134.59 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 1@49 | DFT_16QAM | 23.16 | -1.8 | 21.36 | 136.77 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 50@0 | DFT_64QAM | 21.43 | -1.8 | 19.63 | 91.83 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 25@12 | DFT_64QAM | 21.41 | -1.8 | 19.61 | 91.41 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 1@1 | DFT_64QAM | 21.59 | -1.8 | 19.79 | 95.28 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 1@49 | DFT_64QAM | 21.71 | -1.8 | 19.91 | 97.95 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 50@0 | DFT_256QAM | 19.47 | -1.8 | 17.67 | 58.48 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 25@12 | DFT_256QAM | 19.46 | -1.8 | 17.66 | 58.34 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 1@1 | DFT_256QAM | 19.5 | -1.8 | 17.7 | 58.88 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 1@49 | DFT_256QAM | 19.7 | -1.8 | 17.9 | 61.66 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 51@0 | CP_QPSK | 20.92 | -1.8 | 19.12 | 81.66 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 25@12 | CP_QPSK | 22.45 | -1.8 | 20.65 | 116.14 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 1@1 | CP_QPSK | 22.27 | -1.8 | 20.47 | 111.43 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 1@49 | CP_QPSK | 22.44 | -1.8 | 20.64 | 115.88 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 51@0 | CP_16QAM | 20.97 | -1.8 | 19.17 | 82.6 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 25@12 | CP_16QAM | 21.99 | -1.8 | 20.19 | 104.47 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 1@1 | CP_16QAM | 21.72 | -1.8 | 19.92 | 98.17 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 1@49 | CP_16QAM | 21.88 | -1.8 | 20.08 | 101.86 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 20 | 656000 | 51@0 | CP_64QAM | 20.49 | -1. | 18.6 | 73.96 | 100 | PASS |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | 9 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 25@12 | CP_64QAM | 20.49 | -1.8 | 18.69 | 73.96 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 1@1 | CP_64QAM | 20.41 | -1.8 | 18.61 | 72.61 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 1@49 | CP_64QAM | 20.53 | -1.8 | 18.73 | 74.64 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 51@0 | CP_256QAM | 17.47 | -1.8 | 15.67 | 36.9 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 25@12 | CP_256QAM | 17.49 | -1.8 | 15.69 | 37.07 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 1@1 | CP_256QAM | 17.36 | -1.8 | 15.56 | 35.97 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 1@49 | CP_256QAM | 17.75 | -1.8 | 15.95 | 39.36 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 50@0 | DFT_BPSK | 23.45 | -1.8 | 21.65 | 146.22 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 25@12 | DFT_BPSK | 23.93 | -1.8 | 22.13 | 163.31 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 1@1 | DFT_BPSK | 23.77 | -1.8 | 21.97 | 157.4 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 1@49 | DFT_BPSK | 23.95 | -1.8 | 22.15 | 164.06 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 50@0 | DFT_QPSK | 22.92 | -1.8 | 21.12 | 129.42 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 25@12 | DFT_QPSK | 23.96 | -1.8 | 22.16 | 164.44 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 1@1 | DFT_QPSK | 23.82 | -1.8 | 22.02 | 159.22 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 1@49 | DFT_QPSK | 23.95 | -1.8 | 22.15 | 164.06 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 50@0 | DFT_16QAM | 21.92 | -1.8 | 20.12 | 102.8 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 25@12 | DFT_16QAM | 22.95 | -1.8 | 21.15 | 130.32 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 1@1 | DFT_16QAM | 23 | -1.8 | 21.2 | 131.83 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 1@49 | DFT_16QAM | 23.15 | -1.8 | 21.35 | 136.46 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 50@0 | DFT_64QAM | 21.44 | -1.8 | 19.64 | 92.04 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 25@12 | DFT_64QAM | 21.42 | -1.8 | 19.62 | 91.62 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 20 | 664666 | 1@1 | DFT_64QA | 21.54 | -1. | 19.7 | 94.19 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 8 | 4 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 1@49 | DFT_64QAM | 21.7 | -1.8 | 19.9 | 97.72 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 50@0 | DFT_256QAM | 19.44 | -1.8 | 17.64 | 58.08 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 25@12 | DFT_256QAM | 19.43 | -1.8 | 17.63 | 57.94 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 1@1 | DFT_256QAM | 19.48 | -1.8 | 17.68 | 58.61 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 1@49 | DFT_256QAM | 19.61 | -1.8 | 17.81 | 60.39 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 51@0 | CP_QPSK | 20.93 | -1.8 | 19.13 | 81.85 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 25@12 | CP_QPSK | 22.43 | -1.8 | 20.63 | 115.61 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 1@1 | CP_QPSK | 22.26 | -1.8 | 20.46 | 111.17 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 1@49 | CP_QPSK | 22.38 | -1.8 | 20.58 | 114.29 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 51@0 | CP_16QAM | 20.96 | -1.8 | 19.16 | 82.41 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 25@12 | CP_16QAM | 22.02 | -1.8 | 20.22 | 105.2 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 1@1 | CP_16QAM | 21.68 | -1.8 | 19.88 | 97.27 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 1@49 | CP_16QAM | 21.83 | -1.8 | 20.03 | 100.69 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 51@0 | CP_64QAM | 20.44 | -1.8 | 18.64 | 73.11 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 25@12 | CP_64QAM | 20.5 | -1.8 | 18.7 | 74.13 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 1@1 | CP_64QAM | 20.35 | -1.8 | 18.55 | 71.61 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 1@49 | CP_64QAM | 20.51 | -1.8 | 18.71 | 74.3 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 51@0 | CP_256QAM | 17.43 | -1.8 | 15.63 | 36.56 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 25@12 | CP_256QAM | 17.45 | -1.8 | 15.65 | 36.73 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 1@1 | CP_256QAM | 17.53 | -1.8 | 15.73 | 37.41 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 664666 | 1@49 | CP_256QAM | 17.65 | -1.8 | 15.85 | 38.46 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 40 | 648000 | 100@0 | DFT_BPSK | 23.42 | -1. | 21.6 | 145.2 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | 2 | 1 | 0 | |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 50@25 | DFT_BPSK | 23.92 | -1.8 | 22.12 | 162.93 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 1@1 | DFT_BPSK | 23.82 | -1.8 | 22.02 | 159.22 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 1@104 | DFT_BPSK | 23.94 | -1.8 | 22.14 | 163.68 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 100@0 | DFT_QPSK | 22.89 | -1.8 | 21.09 | 128.53 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 50@25 | DFT_QPSK | 23.9 | -1.8 | 22.1 | 162.18 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 1@1 | DFT_QPSK | 23.87 | -1.8 | 22.07 | 161.06 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 1@104 | DFT_QPSK | 23.97 | -1.8 | 22.17 | 164.82 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 100@0 | DFT_16QAM | 21.88 | -1.8 | 20.08 | 101.86 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 50@25 | DFT_16QAM | 22.88 | -1.8 | 21.08 | 128.23 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 1@1 | DFT_16QAM | 23.11 | -1.8 | 21.31 | 135.21 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 1@104 | DFT_16QAM | 23.23 | -1.8 | 21.43 | 139 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 100@0 | DFT_64QAM | 21.39 | -1.8 | 19.59 | 90.99 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 50@25 | DFT_64QAM | 21.41 | -1.8 | 19.61 | 91.41 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 1@1 | DFT_64QAM | 21.55 | -1.8 | 19.75 | 94.41 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 1@104 | DFT_64QAM | 21.64 | -1.8 | 19.84 | 96.38 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 100@0 | DFT_256QAM | 19.42 | -1.8 | 17.62 | 57.81 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 50@25 | DFT_256QAM | 19.42 | -1.8 | 17.62 | 57.81 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 1@1 | DFT_256QAM | 19.5 | -1.8 | 17.7 | 58.88 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 1@104 | DFT_256QAM | 19.59 | -1.8 | 17.79 | 60.12 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 106@0 | CP_QPSK | 20.86 | -1.8 | 19.06 | 80.54 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 53@26 | CP_QPSK | 22.36 | -1.8 | 20.56 | 113.76 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 40 | 648000 | 1@1 | CP_QPSK | 22.24 | -1. | 20.4 | 110.6 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | 4 | 6 | 0 | |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 1@104 | CP_QPSK | 22.41 | -1.8 | 20.61 | 115.08 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 106@0 | CP_16QAM | 20.83 | -1.8 | 19.03 | 79.98 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 53@26 | CP_16QAM | 21.91 | -1.8 | 20.11 | 102.57 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 1@1 | CP_16QAM | 21.8 | -1.8 | 20 | 100 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 1@104 | CP_16QAM | 21.92 | -1.8 | 20.12 | 102.8 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 106@0 | CP_64QAM | 20.39 | -1.8 | 18.59 | 72.28 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 53@26 | CP_64QAM | 20.43 | -1.8 | 18.63 | 72.95 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 1@1 | CP_64QAM | 20.38 | -1.8 | 18.58 | 72.11 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 1@104 | CP_64QAM | 20.52 | -1.8 | 18.72 | 74.47 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 106@0 | CP_256QAM | 17.5 | -1.8 | 15.7 | 37.15 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 53@26 | CP_256QAM | 17.41 | -1.8 | 15.61 | 36.39 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 1@1 | CP_256QAM | 17.54 | -1.8 | 15.74 | 37.5 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 648000 | 1@104 | CP_256QAM | 17.62 | -1.8 | 15.82 | 38.19 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 100@0 | DFT_BPSK | 23.46 | -1.8 | 21.66 | 146.55 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 50@25 | DFT_BPSK | 23.96 | -1.8 | 22.16 | 164.44 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 1@1 | DFT_BPSK | 23.72 | -1.8 | 21.92 | 155.6 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 1@104 | DFT_BPSK | 24.01 | -1.8 | 22.21 | 166.34 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 100@0 | DFT_QPSK | 22.96 | -1.8 | 21.16 | 130.62 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 50@25 | DFT_QPSK | 23.94 | -1.8 | 22.14 | 163.68 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 1@1 | DFT_QPSK | 23.71 | -1.8 | 21.91 | 155.24 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 1@104 | DFT_QPSK | 24.01 | -1.8 | 22.21 | 166.34 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 40 | 656000 | 100@0 | DFT_16QA | 21.93 | -1. | 20.1 | 103.0 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 8 | 3 | 4 | 0 | |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 50@25 | DFT_16QAM | 22.94 | -1.8 | 21.14 | 130.02 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 1@1 | DFT_16QAM | 23.08 | -1.8 | 21.28 | 134.28 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 1@104 | DFT_16QAM | 23.38 | -1.8 | 21.58 | 143.88 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 100@0 | DFT_64QAM | 21.45 | -1.8 | 19.65 | 92.26 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 50@25 | DFT_64QAM | 21.51 | -1.8 | 19.71 | 93.54 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 1@1 | DFT_64QAM | 21.46 | -1.8 | 19.66 | 92.47 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 1@104 | DFT_64QAM | 21.79 | -1.8 | 19.99 | 99.77 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 100@0 | DFT_256QAM | 19.47 | -1.8 | 17.67 | 58.48 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 50@25 | DFT_256QAM | 19.47 | -1.8 | 17.67 | 58.48 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 1@1 | DFT_256QAM | 19.47 | -1.8 | 17.67 | 58.48 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 1@104 | DFT_256QAM | 19.82 | -1.8 | 18.02 | 63.39 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 106@0 | CP_QPSK | 20.94 | -1.8 | 19.14 | 82.04 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 53@26 | CP_QPSK | 22.44 | -1.8 | 20.64 | 115.88 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 1@1 | CP_QPSK | 22.22 | -1.8 | 20.42 | 110.15 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 1@104 | CP_QPSK | 22.52 | -1.8 | 20.72 | 118.03 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 106@0 | CP_16QAM | 20.92 | -1.8 | 19.12 | 81.66 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 53@26 | CP_16QAM | 21.98 | -1.8 | 20.18 | 104.23 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 1@1 | CP_16QAM | 21.72 | -1.8 | 19.92 | 98.17 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 1@104 | CP_16QAM | 22.02 | -1.8 | 20.22 | 105.2 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 106@0 | CP_64QAM | 20.49 | -1.8 | 18.69 | 73.96 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 53@26 | CP_64QAM | 20.51 | -1.8 | 18.71 | 74.3 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 40 | 656000 | 1@1 | CP_64QAM | 20.31 | -1. | 18.5 | 70.96 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | 1 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 1@104 | CP_64QAM | 20.64 | -1.8 | 18.84 | 76.56 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 106@0 | CP_256QAM | 17.51 | -1.8 | 15.71 | 37.24 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 53@26 | CP_256QAM | 17.5 | -1.8 | 15.7 | 37.15 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 1@1 | CP_256QAM | 17.55 | -1.8 | 15.75 | 37.58 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 1@104 | CP_256QAM | 17.3 | -1.8 | 15.5 | 35.48 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 100@0 | DFT_BPSK | 23.51 | -1.8 | 21.71 | 148.25 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 50@25 | DFT_BPSK | 23.98 | -1.8 | 22.18 | 165.2 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 1@1 | DFT_BPSK | 23.89 | -1.8 | 22.09 | 161.81 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 1@104 | DFT_BPSK | 24.04 | -1.8 | 22.24 | 167.49 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 100@0 | DFT_QPSK | 23 | -1.8 | 21.2 | 131.83 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 50@25 | DFT_QPSK | 23.97 | -1.8 | 22.17 | 164.82 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 1@1 | DFT_QPSK | 23.9 | -1.8 | 22.1 | 162.18 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 1@104 | DFT_QPSK | 24.09 | -1.8 | 22.29 | 169.43 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 100@0 | DFT_16QAM | 21.97 | -1.8 | 20.17 | 103.99 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 50@25 | DFT_16QAM | 22.95 | -1.8 | 21.15 | 130.32 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 1@1 | DFT_16QAM | 23.18 | -1.8 | 21.38 | 137.4 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 1@104 | DFT_16QAM | 23.34 | -1.8 | 21.54 | 142.56 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 100@0 | DFT_64QAM | 21.51 | -1.8 | 19.71 | 93.54 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 50@25 | DFT_64QAM | 21.48 | -1.8 | 19.68 | 92.9 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 1@1 | DFT_64QAM | 21.62 | -1.8 | 19.82 | 95.94 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 1@104 | DFT_64QAM | 21.8 | -1.8 | 20 | 100 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 40 | 664000 | 100@0 | DFT_256QA | 19.52 | -1. | 17.7 | 59.16 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 8 | 2 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 50@25 | DFT_256QAM | 19.47 | -1.8 | 17.67 | 58.48 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 1@1 | DFT_256QAM | 19.59 | -1.8 | 17.79 | 60.12 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 1@104 | DFT_256QAM | 19.79 | -1.8 | 17.99 | 62.95 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 106@0 | CP_QPSK | 20.92 | -1.8 | 19.12 | 81.66 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 53@26 | CP_QPSK | 22.42 | -1.8 | 20.62 | 115.35 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 1@1 | CP_QPSK | 22.34 | -1.8 | 20.54 | 113.24 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 1@104 | CP_QPSK | 22.51 | -1.8 | 20.71 | 117.76 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 106@0 | CP_16QAM | 20.95 | -1.8 | 19.15 | 82.22 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 53@26 | CP_16QAM | 21.94 | -1.8 | 20.14 | 103.28 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 1@1 | CP_16QAM | 21.86 | -1.8 | 20.06 | 101.39 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 1@104 | CP_16QAM | 22.04 | -1.8 | 20.24 | 105.68 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 106@0 | CP_64QAM | 20.51 | -1.8 | 18.71 | 74.3 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 53@26 | CP_64QAM | 20.45 | -1.8 | 18.65 | 73.28 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 1@1 | CP_64QAM | 20.49 | -1.8 | 18.69 | 73.96 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 1@104 | CP_64QAM | 20.66 | -1.8 | 18.86 | 76.91 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 106@0 | CP_256QAM | 17.53 | -1.8 | 15.73 | 37.41 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 53@26 | CP_256QAM | 17.42 | -1.8 | 15.62 | 36.48 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 1@1 | CP_256QAM | 17.7 | -1.8 | 15.9 | 38.9 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 664000 | 1@104 | CP_256QAM | 17.87 | -1.8 | 16.07 | 40.46 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 128@0 | DFT_BPSK | 23.48 | -1.8 | 21.68 | 147.23 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 64@32 | DFT_BPSK | 23.97 | -1.8 | 22.17 | 164.82 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 50 | 648334 | 1@1 | DFT_BPSK | 23.71 | -1. | 21.9 | 155.2 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | 1 | 4 | 0 | |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 1@131 | DFT_BPSK | 23.91 | -1.8 | 22.11 | 162.55 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 128@0 | DFT_QPSK | 22.96 | -1.8 | 21.16 | 130.62 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 64@32 | DFT_QPSK | 23.92 | -1.8 | 22.12 | 162.93 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 1@1 | DFT_QPSK | 23.79 | -1.8 | 21.99 | 158.12 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 1@131 | DFT_QPSK | 23.95 | -1.8 | 22.15 | 164.06 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 128@0 | DFT_16QAM | 21.92 | -1.8 | 20.12 | 102.8 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 64@32 | DFT_16QAM | 22.94 | -1.8 | 21.14 | 130.02 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 1@1 | DFT_16QAM | 22.97 | -1.8 | 21.17 | 130.92 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 1@131 | DFT_16QAM | 23.15 | -1.8 | 21.35 | 136.46 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 128@0 | DFT_64QAM | 21.48 | -1.8 | 19.68 | 92.9 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 64@32 | DFT_64QAM | 21.48 | -1.8 | 19.68 | 92.9 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 1@1 | DFT_64QAM | 21.4 | -1.8 | 19.6 | 91.2 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 1@131 | DFT_64QAM | 21.62 | -1.8 | 19.82 | 95.94 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 128@0 | DFT_256QAM | 19.47 | -1.8 | 17.67 | 58.48 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 64@32 | DFT_256QAM | 19.45 | -1.8 | 17.65 | 58.21 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 1@1 | DFT_256QAM | 19.46 | -1.8 | 17.66 | 58.34 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 1@131 | DFT_256QAM | 19.62 | -1.8 | 17.82 | 60.53 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 133@0 | CP_QPSK | 20.91 | -1.8 | 19.11 | 81.47 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 67@33 | CP_QPSK | 22.41 | -1.8 | 20.61 | 115.08 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 1@1 | CP_QPSK | 22.19 | -1.8 | 20.39 | 109.4 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 1@131 | CP_QPSK | 22.34 | -1.8 | 20.54 | 113.24 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 50 | 648334 | 133@0 | CP_16QAM | 20.95 | -1. | 19.1 | 82.22 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | 5 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 67@33 | CP_16QAM | 21.95 | -1.8 | 20.15 | 103.51 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 1@1 | CP_16QAM | 21.68 | -1.8 | 19.88 | 97.27 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 1@131 | CP_16QAM | 21.84 | -1.8 | 20.04 | 100.93 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 133@0 | CP_64QAM | 20.42 | -1.8 | 18.62 | 72.78 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 67@33 | CP_64QAM | 20.46 | -1.8 | 18.66 | 73.45 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 1@1 | CP_64QAM | 20.32 | -1.8 | 18.52 | 71.12 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 1@131 | CP_64QAM | 20.46 | -1.8 | 18.66 | 73.45 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 133@0 | CP_256QAM | 17.46 | -1.8 | 15.66 | 36.81 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 67@33 | CP_256QAM | 17.43 | -1.8 | 15.63 | 36.56 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 1@1 | CP_256QAM | 17.45 | -1.8 | 15.65 | 36.73 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 648334 | 1@131 | CP_256QAM | 17.59 | -1.8 | 15.79 | 37.93 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 128@0 | DFT_BPSK | 23.48 | -1.8 | 21.68 | 147.23 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 64@32 | DFT_BPSK | 23.98 | -1.8 | 22.18 | 165.2 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 1@1 | DFT_BPSK | 23.63 | -1.8 | 21.83 | 152.41 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 1@131 | DFT_BPSK | 24.04 | -1.8 | 22.24 | 167.49 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 128@0 | DFT_QPSK | 22.98 | -1.8 | 21.18 | 131.22 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 64@32 | DFT_QPSK | 23.92 | -1.8 | 22.12 | 162.93 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 1@1 | DFT_QPSK | 23.67 | -1.8 | 21.87 | 153.82 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 1@131 | DFT_QPSK | 24.06 | -1.8 | 22.26 | 168.27 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 128@0 | DFT_16QAM | 21.91 | -1.8 | 20.11 | 102.57 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 64@32 | DFT_16QAM | 22.93 | -1.8 | 21.13 | 129.72 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 50 | 656000 | 1@1 | DFT_16QA | 22.9 | -1. | 21.1 | 128.8 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 8 | | 2 | 0 | |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 1@131 | DFT_16QAM | 23.36 | -1.8 | 21.56 | 143.22 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 128@0 | DFT_64QAM | 21.47 | -1.8 | 19.67 | 92.68 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 64@32 | DFT_64QAM | 21.48 | -1.8 | 19.68 | 92.9 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 1@1 | DFT_64QAM | 21.43 | -1.8 | 19.63 | 91.83 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 1@131 | DFT_64QAM | 21.77 | -1.8 | 19.97 | 99.31 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 128@0 | DFT_256QAM | 19.52 | -1.8 | 17.72 | 59.16 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 64@32 | DFT_256QAM | 19.5 | -1.8 | 17.7 | 58.88 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 1@1 | DFT_256QAM | 19.43 | -1.8 | 17.63 | 57.94 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 1@131 | DFT_256QAM | 19.82 | -1.8 | 18.02 | 63.39 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 133@0 | CP_QPSK | 20.94 | -1.8 | 19.14 | 82.04 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 67@33 | CP_QPSK | 22.42 | -1.8 | 20.62 | 115.35 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 1@1 | CP_QPSK | 22.15 | -1.8 | 20.35 | 108.39 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 1@131 | CP_QPSK | 22.52 | -1.8 | 20.72 | 118.03 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 133@0 | CP_16QAM | 20.94 | -1.8 | 19.14 | 82.04 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 67@33 | CP_16QAM | 21.98 | -1.8 | 20.18 | 104.23 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 1@1 | CP_16QAM | 21.65 | -1.8 | 19.85 | 96.61 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 1@131 | CP_16QAM | 22.04 | -1.8 | 20.24 | 105.68 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 133@0 | CP_64QAM | 20.45 | -1.8 | 18.65 | 73.28 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 67@33 | CP_64QAM | 20.48 | -1.8 | 18.68 | 73.79 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 1@1 | CP_64QAM | 20.34 | -1.8 | 18.54 | 71.45 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 1@131 | CP_64QAM | 20.65 | -1.8 | 18.85 | 76.74 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 50 | 656000 | 133@0 | CP_256QA | 17.5 | -1. | 15.7 | 37.15 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 8 | | | 0 | |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 67@33 | CP_256QAM | 17.48 | -1.8 | 15.68 | 36.98 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 1@1 | CP_256QAM | 17.46 | -1.8 | 15.66 | 36.81 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 1@131 | CP_256QAM | 17.84 | -1.8 | 16.04 | 40.18 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 128@0 | DFT_BPSK | 23.45 | -1.8 | 21.65 | 146.22 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 64@32 | DFT_BPSK | 23.93 | -1.8 | 22.13 | 163.31 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 1@1 | DFT_BPSK | 23.69 | -1.8 | 21.89 | 154.53 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 1@131 | DFT_BPSK | 23.92 | -1.8 | 22.12 | 162.93 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 128@0 | DFT_QPSK | 22.94 | -1.8 | 21.14 | 130.02 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 64@32 | DFT_QPSK | 23.89 | -1.8 | 22.09 | 161.81 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 1@1 | DFT_QPSK | 23.73 | -1.8 | 21.93 | 155.96 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 1@131 | DFT_QPSK | 23.95 | -1.8 | 22.15 | 164.06 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 128@0 | DFT_16QAM | 21.92 | -1.8 | 20.12 | 102.8 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 64@32 | DFT_16QAM | 22.9 | -1.8 | 21.1 | 128.82 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 1@1 | DFT_16QAM | 22.99 | -1.8 | 21.19 | 131.52 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 1@131 | DFT_16QAM | 23.21 | -1.8 | 21.41 | 138.36 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 128@0 | DFT_64QAM | 21.45 | -1.8 | 19.65 | 92.26 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 64@32 | DFT_64QAM | 21.39 | -1.8 | 19.59 | 90.99 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 1@1 | DFT_64QAM | 21.43 | -1.8 | 19.63 | 91.83 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 1@131 | DFT_64QAM | 21.66 | -1.8 | 19.86 | 96.83 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 128@0 | DFT_256QAM | 19.45 | -1.8 | 17.65 | 58.21 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 64@32 | DFT_256QAM | 19.42 | -1.8 | 17.62 | 57.81 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 50 | 663666 | 1@1 | DFT_256QA | 19.45 | -1. | 17.6 | 58.21 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 8 | 5 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 1@131 | DFT_256QAM | 19.7 | -1.8 | 17.9 | 61.66 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 133@0 | CP_QPSK | 20.87 | -1.8 | 19.07 | 80.72 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 67@33 | CP_QPSK | 22.35 | -1.8 | 20.55 | 113.5 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 1@1 | CP_QPSK | 22.17 | -1.8 | 20.37 | 108.89 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 1@131 | CP_QPSK | 22.39 | -1.8 | 20.59 | 114.55 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 133@0 | CP_16QAM | 20.92 | -1.8 | 19.12 | 81.66 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 67@33 | CP_16QAM | 21.91 | -1.8 | 20.11 | 102.57 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 1@1 | CP_16QAM | 21.68 | -1.8 | 19.88 | 97.27 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 1@131 | CP_16QAM | 21.89 | -1.8 | 20.09 | 102.09 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 133@0 | CP_64QAM | 20.38 | -1.8 | 18.58 | 72.11 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 67@33 | CP_64QAM | 20.42 | -1.8 | 18.62 | 72.78 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 1@1 | CP_64QAM | 20.32 | -1.8 | 18.52 | 71.12 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 1@131 | CP_64QAM | 20.48 | -1.8 | 18.68 | 73.79 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 133@0 | CP_256QAM | 17.39 | -1.8 | 15.59 | 36.22 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 67@33 | CP_256QAM | 17.39 | -1.8 | 15.59 | 36.22 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 1@1 | CP_256QAM | 17.47 | -1.8 | 15.67 | 36.9 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 663666 | 1@131 | CP_256QAM | 17.71 | -1.8 | 15.91 | 38.99 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 162@0 | DFT_BPSK | 23.44 | -1.8 | 21.64 | 145.88 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 81@40 | DFT_BPSK | 23.91 | -1.8 | 22.11 | 162.55 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 1@1 | DFT_BPSK | 23.72 | -1.8 | 21.92 | 155.6 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 1@160 | DFT_BPSK | 23.97 | -1.8 | 22.17 | 164.82 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 60 | 648668 | 162@0 | DFT_QPSK | 22.9 | -1. | 21.1 | 128.8 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | | 2 | 0 | |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 81@40 | DFT_QPSK | 23.9 | -1.8 | 22.1 | 162.18 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 1@1 | DFT_QPSK | 23.74 | -1.8 | 21.94 | 156.31 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 1@160 | DFT_QPSK | 23.97 | -1.8 | 22.17 | 164.82 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 162@0 | DFT_16QAM | 21.91 | -1.8 | 20.11 | 102.57 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 81@40 | DFT_16QAM | 22.88 | -1.8 | 21.08 | 128.23 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 1@1 | DFT_16QAM | 22.94 | -1.8 | 21.14 | 130.02 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 1@160 | DFT_16QAM | 23.27 | -1.8 | 21.47 | 140.28 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 162@0 | DFT_64QAM | 21.42 | -1.8 | 19.62 | 91.62 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 81@40 | DFT_64QAM | 21.41 | -1.8 | 19.61 | 91.41 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 1@1 | DFT_64QAM | 21.46 | -1.8 | 19.66 | 92.47 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 1@160 | DFT_64QAM | 21.68 | -1.8 | 19.88 | 97.27 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 162@0 | DFT_256QAM | 19.42 | -1.8 | 17.62 | 57.81 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 81@40 | DFT_256QAM | 19.43 | -1.8 | 17.63 | 57.94 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 1@1 | DFT_256QAM | 19.46 | -1.8 | 17.66 | 58.34 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 1@160 | DFT_256QAM | 19.71 | -1.8 | 17.91 | 61.8 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 162@0 | CP_QPSK | 20.85 | -1.8 | 19.05 | 80.35 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 81@40 | CP_QPSK | 22.36 | -1.8 | 20.56 | 113.76 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 1@1 | CP_QPSK | 22.15 | -1.8 | 20.35 | 108.39 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 1@160 | CP_QPSK | 22.4 | -1.8 | 20.6 | 114.82 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 162@0 | CP_16QAM | 20.93 | -1.8 | 19.13 | 81.85 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 81@40 | CP_16QAM | 21.86 | -1.8 | 20.06 | 101.39 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 60 | 648668 | 1@1 | CP_16QAM | 21.71 | -1. | 19.9 | 97.95 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | 1 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 1@160 | CP_16QAM | 21.96 | -1.8 | 20.16 | 103.75 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 162@0 | CP_64QAM | 20.39 | -1.8 | 18.59 | 72.28 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 81@40 | CP_64QAM | 20.44 | -1.8 | 18.64 | 73.11 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 1@1 | CP_64QAM | 20.28 | -1.8 | 18.48 | 70.47 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 1@160 | CP_64QAM | 20.52 | -1.8 | 18.72 | 74.47 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 162@0 | CP_256QAM | 17.33 | -1.8 | 15.53 | 35.73 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 81@40 | CP_256QAM | 17.42 | -1.8 | 15.62 | 36.48 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 1@1 | CP_256QAM | 17.46 | -1.8 | 15.66 | 36.81 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 648668 | 1@160 | CP_256QAM | 17.66 | -1.8 | 15.86 | 38.55 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 162@0 | DFT_BPSK | 23.43 | -1.8 | 21.63 | 145.55 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 81@40 | DFT_BPSK | 23.93 | -1.8 | 22.13 | 163.31 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 1@1 | DFT_BPSK | 23.59 | -1.8 | 21.79 | 151.01 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 1@160 | DFT_BPSK | 24.06 | -1.8 | 22.26 | 168.27 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 162@0 | DFT_QPSK | 22.89 | -1.8 | 21.09 | 128.53 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 81@40 | DFT_QPSK | 23.88 | -1.8 | 22.08 | 161.44 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 1@1 | DFT_QPSK | 23.59 | -1.8 | 21.79 | 151.01 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 1@160 | DFT_QPSK | 24.06 | -1.8 | 22.26 | 168.27 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 162@0 | DFT_16QAM | 21.86 | -1.8 | 20.06 | 101.39 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 81@40 | DFT_16QAM | 22.9 | -1.8 | 21.1 | 128.82 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 1@1 | DFT_16QAM | 22.7 | -1.8 | 20.9 | 123.03 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 1@160 | DFT_16QAM | 23.12 | -1.8 | 21.32 | 135.52 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 60 | 656000 | 162@0 | DFT_64QA | 21.36 | -1. | 19.5 | 90.36 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 8 | 6 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 81@40 | DFT_64QAM | 21.44 | -1.8 | 19.64 | 92.04 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 1@1 | DFT_64QAM | 20.95 | -1.8 | 19.15 | 82.22 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 1@160 | DFT_64QAM | 21.46 | -1.8 | 19.66 | 92.47 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 162@0 | DFT_256QAM | 19.41 | -1.8 | 17.61 | 57.68 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 81@40 | DFT_256QAM | 19.43 | -1.8 | 17.63 | 57.94 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 1@1 | DFT_256QAM | 19.12 | -1.8 | 17.32 | 53.95 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 1@160 | DFT_256QAM | 19.66 | -1.8 | 17.86 | 61.09 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 162@0 | CP_QPSK | 20.86 | -1.8 | 19.06 | 80.54 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 81@40 | CP_QPSK | 22.37 | -1.8 | 20.57 | 114.02 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 1@1 | CP_QPSK | 22.08 | -1.8 | 20.28 | 106.66 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 1@160 | CP_QPSK | 22.55 | -1.8 | 20.75 | 118.85 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 162@0 | CP_16QAM | 20.88 | -1.8 | 19.08 | 80.91 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 81@40 | CP_16QAM | 21.86 | -1.8 | 20.06 | 101.39 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 1@1 | CP_16QAM | 21.82 | -1.8 | 20.02 | 100.46 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 1@160 | CP_16QAM | 22.28 | -1.8 | 20.48 | 111.69 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 162@0 | CP_64QAM | 20.39 | -1.8 | 18.59 | 72.28 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 81@40 | CP_64QAM | 20.4 | -1.8 | 18.6 | 72.44 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 1@1 | CP_64QAM | 20.16 | -1.8 | 18.36 | 68.55 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 1@160 | CP_64QAM | 20.62 | -1.8 | 18.82 | 76.21 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 162@0 | CP_256QAM | 17.41 | -1.8 | 15.61 | 36.39 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 81@40 | CP_256QAM | 17.39 | -1.8 | 15.59 | 36.22 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 60 | 656000 | 1@1 | CP_256QA | 17.41 | -1. | 15.6 | 36.39 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 8 | 1 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 1@160 | CP_256QAM | 17.89 | -1.8 | 16.09 | 40.64 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 162@0 | DFT_BPSK | 23.34 | -1.8 | 21.54 | 142.56 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 81@40 | DFT_BPSK | 23.85 | -1.8 | 22.05 | 160.32 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 1@1 | DFT_BPSK | 23.64 | -1.8 | 21.84 | 152.76 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 1@160 | DFT_BPSK | 23.89 | -1.8 | 22.09 | 161.81 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 162@0 | DFT_QPSK | 22.83 | -1.8 | 21.03 | 126.77 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 81@40 | DFT_QPSK | 23.81 | -1.8 | 22.01 | 158.85 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 1@1 | DFT_QPSK | 23.66 | -1.8 | 21.86 | 153.46 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 1@160 | DFT_QPSK | 23.9 | -1.8 | 22.1 | 162.18 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 162@0 | DFT_16QAM | 21.83 | -1.8 | 20.03 | 100.69 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 81@40 | DFT_16QAM | 22.81 | -1.8 | 21.01 | 126.18 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 1@1 | DFT_16QAM | 22.74 | -1.8 | 20.94 | 124.17 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 1@160 | DFT_16QAM | 22.98 | -1.8 | 21.18 | 131.22 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 162@0 | DFT_64QAM | 21.31 | -1.8 | 19.51 | 89.33 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 81@40 | DFT_64QAM | 21.35 | -1.8 | 19.55 | 90.16 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 1@1 | DFT_64QAM | 21.03 | -1.8 | 19.23 | 83.75 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 1@160 | DFT_64QAM | 21.27 | -1.8 | 19.47 | 88.51 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 162@0 | DFT_256QAM | 19.36 | -1.8 | 17.56 | 57.02 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 81@40 | DFT_256QAM | 19.33 | -1.8 | 17.53 | 56.62 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 1@1 | DFT_256QAM | 19.29 | -1.8 | 17.49 | 56.1 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 1@160 | DFT_256QAM | 19.48 | -1.8 | 17.68 | 58.61 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 60 | 663332 | 162@0 | CP_QPSK | 20.82 | -1. | 19.0 | 79.8 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | 2 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 81@40 | CP_QPSK | 22.3 | -1.8 | 20.5 | 112.2 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 1@1 | CP_QPSK | 22.15 | -1.8 | 20.35 | 108.39 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 1@160 | CP_QPSK | 22.32 | -1.8 | 20.52 | 112.72 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 162@0 | CP_16QAM | 20.82 | -1.8 | 19.02 | 79.8 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 81@40 | CP_16QAM | 21.77 | -1.8 | 19.97 | 99.31 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 1@1 | CP_16QAM | 21.87 | -1.8 | 20.07 | 101.62 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 1@160 | CP_16QAM | 22.09 | -1.8 | 20.29 | 106.91 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 162@0 | CP_64QAM | 20.31 | -1.8 | 18.51 | 70.96 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 81@40 | CP_64QAM | 20.31 | -1.8 | 18.51 | 70.96 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 1@1 | CP_64QAM | 20.21 | -1.8 | 18.41 | 69.34 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 1@160 | CP_64QAM | 20.42 | -1.8 | 18.62 | 72.78 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 162@0 | CP_256QAM | 17.29 | -1.8 | 15.49 | 35.4 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 81@40 | CP_256QAM | 17.32 | -1.8 | 15.52 | 35.65 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 1@1 | CP_256QAM | 17.53 | -1.8 | 15.73 | 37.41 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 663332 | 1@160 | CP_256QAM | 17.72 | -1.8 | 15.92 | 39.08 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 180@0 | DFT_BPSK | 23.56 | -1.8 | 21.76 | 149.97 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 90@45 | DFT_BPSK | 24.03 | -1.8 | 22.23 | 167.11 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 1@1 | DFT_BPSK | 23.87 | -1.8 | 22.07 | 161.06 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 1@187 | DFT_BPSK | 24.1 | -1.8 | 22.3 | 169.82 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 180@0 | DFT_QPSK | 23.02 | -1.8 | 21.22 | 132.43 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 90@45 | DFT_QPSK | 24.04 | -1.8 | 22.24 | 167.49 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 70 | 649000 | 1@1 | DFT_QPSK | 23.84 | -1. | 22.0 | 159.9 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | 4 | 6 | 0 | |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 1@187 | DFT_QPSK | 24.09 | -1.8 | 22.29 | 169.43 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 180@0 | DFT_16QAM | 22.03 | -1.8 | 20.23 | 105.44 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 90@45 | DFT_16QAM | 23.02 | -1.8 | 21.22 | 132.43 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 1@1 | DFT_16QAM | 22.98 | -1.8 | 21.18 | 131.22 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 1@187 | DFT_16QAM | 23.22 | -1.8 | 21.42 | 138.68 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 180@0 | DFT_64QAM | 21.54 | -1.8 | 19.74 | 94.19 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 90@45 | DFT_64QAM | 21.52 | -1.8 | 19.72 | 93.76 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 1@1 | DFT_64QAM | 21.13 | -1.8 | 19.33 | 85.7 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 1@187 | DFT_64QAM | 21.41 | -1.8 | 19.61 | 91.41 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 180@0 | DFT_256QAM | 19.58 | -1.8 | 17.78 | 59.98 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 90@45 | DFT_256QAM | 19.54 | -1.8 | 17.74 | 59.43 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 1@1 | DFT_256QAM | 19.4 | -1.8 | 17.6 | 57.54 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 1@187 | DFT_256QAM | 19.66 | -1.8 | 17.86 | 61.09 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 189@0 | CP_QPSK | 21.03 | -1.8 | 19.23 | 83.75 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 95@47 | CP_QPSK | 22.49 | -1.8 | 20.69 | 117.22 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 1@1 | CP_QPSK | 22.31 | -1.8 | 20.51 | 112.46 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 1@187 | CP_QPSK | 22.53 | -1.8 | 20.73 | 118.3 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 189@0 | CP_16QAM | 21.02 | -1.8 | 19.22 | 83.56 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 95@47 | CP_16QAM | 22.01 | -1.8 | 20.21 | 104.95 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 1@1 | CP_16QAM | 22.02 | -1.8 | 20.22 | 105.2 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 1@187 | CP_16QAM | 22.3 | -1.8 | 20.5 | 112.2 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 70 | 649000 | 189@0 | CP_64QAM | 20.51 | -1. | 18.7 | 74.3 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | 1 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 95@47 | CP_64QAM | 20.51 | -1.8 | 18.71 | 74.3 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 1@1 | CP_64QAM | 20.33 | -1.8 | 18.53 | 71.29 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 1@187 | CP_64QAM | 20.58 | -1.8 | 18.78 | 75.51 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 189@0 | CP_256QAM | 17.58 | -1.8 | 15.78 | 37.84 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 95@47 | CP_256QAM | 17.51 | -1.8 | 15.71 | 37.24 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 1@1 | CP_256QAM | 17.6 | -1.8 | 15.8 | 38.02 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 649000 | 1@187 | CP_256QAM | 17.8 | -1.8 | 16 | 39.81 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 180@0 | DFT_BPSK | 23.48 | -1.8 | 21.68 | 147.23 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 90@45 | DFT_BPSK | 23.96 | -1.8 | 22.16 | 164.44 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 1@1 | DFT_BPSK | 23.58 | -1.8 | 21.78 | 150.66 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 1@187 | DFT_BPSK | 24.09 | -1.8 | 22.29 | 169.43 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 180@0 | DFT_QPSK | 22.91 | -1.8 | 21.11 | 129.12 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 90@45 | DFT_QPSK | 23.95 | -1.8 | 22.15 | 164.06 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 1@1 | DFT_QPSK | 23.61 | -1.8 | 21.81 | 151.71 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 1@187 | DFT_QPSK | 24.13 | -1.8 | 22.33 | 171 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 180@0 | DFT_16QAM | 21.93 | -1.8 | 20.13 | 103.04 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 90@45 | DFT_16QAM | 22.94 | -1.8 | 21.14 | 130.02 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 1@1 | DFT_16QAM | 22.71 | -1.8 | 20.91 | 123.31 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 1@187 | DFT_16QAM | 23.24 | -1.8 | 21.44 | 139.32 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 180@0 | DFT_64QAM | 21.44 | -1.8 | 19.64 | 92.04 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 90@45 | DFT_64QAM | 21.45 | -1.8 | 19.65 | 92.26 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 70 | 656000 | 1@1 | DFT_64QA | 20.86 | -1. | 19.0 | 80.54 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 8 | 6 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 1@187 | DFT_64QAM | 21.39 | -1.8 | 19.59 | 90.99 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 180@0 | DFT_256QAM | 19.49 | -1.8 | 17.69 | 58.75 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 90@45 | DFT_256QAM | 19.46 | -1.8 | 17.66 | 58.34 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 1@1 | DFT_256QAM | 19.13 | -1.8 | 17.33 | 54.08 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 1@187 | DFT_256QAM | 19.7 | -1.8 | 17.9 | 61.66 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 189@0 | CP_QPSK | 20.93 | -1.8 | 19.13 | 81.85 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 95@47 | CP_QPSK | 22.42 | -1.8 | 20.62 | 115.35 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 1@1 | CP_QPSK | 22 | -1.8 | 20.2 | 104.71 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 1@187 | CP_QPSK | 22.56 | -1.8 | 20.76 | 119.12 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 189@0 | CP_16QAM | 20.92 | -1.8 | 19.12 | 81.66 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 95@47 | CP_16QAM | 21.95 | -1.8 | 20.15 | 103.51 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 1@1 | CP_16QAM | 21.77 | -1.8 | 19.97 | 99.31 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 1@187 | CP_16QAM | 22.26 | -1.8 | 20.46 | 111.17 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 189@0 | CP_64QAM | 20.44 | -1.8 | 18.64 | 73.11 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 95@47 | CP_64QAM | 20.44 | -1.8 | 18.64 | 73.11 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 1@1 | CP_64QAM | 20.08 | -1.8 | 18.28 | 67.3 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 1@187 | CP_64QAM | 20.61 | -1.8 | 18.81 | 76.03 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 189@0 | CP_256QAM | 17.47 | -1.8 | 15.67 | 36.9 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 95@47 | CP_256QAM | 17.42 | -1.8 | 15.62 | 36.48 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 1@1 | CP_256QAM | 17.28 | -1.8 | 15.48 | 35.32 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 1@187 | CP_256QAM | 17.88 | -1.8 | 16.08 | 40.55 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 70 | 663000 | 180@0 | DFT_BPSK | 23.46 | -1. | 21.6 | 146.5 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | 6 | 5 | 0 | |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 90@45 | DFT_BPSK | 23.95 | -1.8 | 22.15 | 164.06 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 1@1 | DFT_BPSK | 23.77 | -1.8 | 21.97 | 157.4 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 1@187 | DFT_BPSK | 23.96 | -1.8 | 22.16 | 164.44 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 180@0 | DFT_QPSK | 22.96 | -1.8 | 21.16 | 130.62 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 90@45 | DFT_QPSK | 23.94 | -1.8 | 22.14 | 163.68 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 1@1 | DFT_QPSK | 23.77 | -1.8 | 21.97 | 157.4 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 1@187 | DFT_QPSK | 24.01 | -1.8 | 22.21 | 166.34 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 180@0 | DFT_16QAM | 21.97 | -1.8 | 20.17 | 103.99 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 90@45 | DFT_16QAM | 22.9 | -1.8 | 21.1 | 128.82 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 1@1 | DFT_16QAM | 22.88 | -1.8 | 21.08 | 128.23 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 1@187 | DFT_16QAM | 23.08 | -1.8 | 21.28 | 134.28 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 180@0 | DFT_64QAM | 21.45 | -1.8 | 19.65 | 92.26 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 90@45 | DFT_64QAM | 21.4 | -1.8 | 19.6 | 91.2 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 1@1 | DFT_64QAM | 21.06 | -1.8 | 19.26 | 84.33 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 1@187 | DFT_64QAM | 21.24 | -1.8 | 19.44 | 87.9 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 180@0 | DFT_256QAM | 19.48 | -1.8 | 17.68 | 58.61 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 90@45 | DFT_256QAM | 19.4 | -1.8 | 17.6 | 57.54 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 1@1 | DFT_256QAM | 19.31 | -1.8 | 17.51 | 56.36 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 1@187 | DFT_256QAM | 19.5 | -1.8 | 17.7 | 58.88 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 189@0 | CP_QPSK | 20.92 | -1.8 | 19.12 | 81.66 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 95@47 | CP_QPSK | 22.43 | -1.8 | 20.63 | 115.61 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 70 | 663000 | 1@1 | CP_QPSK | 22.18 | -1. | 20.3 | 109.1 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | 8 | 4 | 0 | |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 1@187 | CP_QPSK | 22.42 | -1.8 | 20.62 | 115.35 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 189@0 | CP_16QAM | 20.95 | -1.8 | 19.15 | 82.22 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 95@47 | CP_16QAM | 21.91 | -1.8 | 20.11 | 102.57 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 1@1 | CP_16QAM | 21.95 | -1.8 | 20.15 | 103.51 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 1@187 | CP_16QAM | 22.15 | -1.8 | 20.35 | 108.39 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 189@0 | CP_64QAM | 20.4 | -1.8 | 18.6 | 72.44 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 95@47 | CP_64QAM | 20.41 | -1.8 | 18.61 | 72.61 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 1@1 | CP_64QAM | 20.23 | -1.8 | 18.43 | 69.66 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 1@187 | CP_64QAM | 20.46 | -1.8 | 18.66 | 73.45 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 189@0 | CP_256QAM | 17.66 | -1.8 | 15.86 | 38.55 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 95@47 | CP_256QAM | 17.45 | -1.8 | 15.65 | 36.73 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 1@1 | CP_256QAM | 17.45 | -1.8 | 15.65 | 36.73 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 663000 | 1@187 | CP_256QAM | 17.67 | -1.8 | 15.87 | 38.64 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 216@0 | DFT_BPSK | 23.57 | -1.8 | 21.77 | 150.31 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 108@54 | DFT_BPSK | 24.03 | -1.8 | 22.23 | 167.11 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 1@1 | DFT_BPSK | 23.82 | -1.8 | 22.02 | 159.22 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 1@215 | DFT_BPSK | 24.08 | -1.8 | 22.28 | 169.04 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 216@0 | DFT_QPSK | 23.02 | -1.8 | 21.22 | 132.43 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 108@54 | DFT_QPSK | 24.03 | -1.8 | 22.23 | 167.11 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 1@1 | DFT_QPSK | 23.84 | -1.8 | 22.04 | 159.96 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 1@215 | DFT_QPSK | 24.07 | -1.8 | 22.27 | 168.66 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 80 | 649334 | 216@0 | DFT_16QA | 22.01 | -1. | 20.2 | 104.9 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 8 | 1 | 5 | 0 | |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 108@54 | DFT_16QAM | 23.03 | -1.8 | 21.23 | 132.74 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 1@1 | DFT_16QAM | 22.9 | -1.8 | 21.1 | 128.82 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 1@215 | DFT_16QAM | 23.2 | -1.8 | 21.4 | 138.04 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 216@0 | DFT_64QAM | 21.51 | -1.8 | 19.71 | 93.54 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 108@54 | DFT_64QAM | 21.51 | -1.8 | 19.71 | 93.54 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 1@1 | DFT_64QAM | 21.19 | -1.8 | 19.39 | 86.9 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 1@215 | DFT_64QAM | 21.48 | -1.8 | 19.68 | 92.9 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 216@0 | DFT_256QAM | 19.54 | -1.8 | 17.74 | 59.43 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 108@54 | DFT_256QAM | 19.57 | -1.8 | 17.77 | 59.84 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 1@1 | DFT_256QAM | 19.37 | -1.8 | 17.57 | 57.15 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 1@215 | DFT_256QAM | 19.61 | -1.8 | 17.81 | 60.39 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 217@0 | CP_QPSK | 20.99 | -1.8 | 19.19 | 82.99 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 109@54 | CP_QPSK | 22.46 | -1.8 | 20.66 | 116.41 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 1@1 | CP_QPSK | 22.29 | -1.8 | 20.49 | 111.94 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 1@215 | CP_QPSK | 22.53 | -1.8 | 20.73 | 118.3 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 217@0 | CP_16QAM | 20.98 | -1.8 | 19.18 | 82.79 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 109@54 | CP_16QAM | 21.99 | -1.8 | 20.19 | 104.47 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 1@1 | CP_16QAM | 22.03 | -1.8 | 20.23 | 105.44 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 1@215 | CP_16QAM | 22.31 | -1.8 | 20.51 | 112.46 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 217@0 | CP_64QAM | 20.47 | -1.8 | 18.67 | 73.62 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 109@54 | CP_64QAM | 20.49 | -1.8 | 18.69 | 73.96 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 80 | 649334 | 1@1 | CP_64QAM | 20.31 | -1. | 18.5 | 70.96 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | 1 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 1@215 | CP_64QAM | 20.6 | -1.8 | 18.8 | 75.86 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 217@0 | CP_256QAM | 17.57 | -1.8 | 15.77 | 37.76 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 109@54 | CP_256QAM | 17.52 | -1.8 | 15.72 | 37.33 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 1@1 | CP_256QAM | 17.6 | -1.8 | 15.8 | 38.02 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 649334 | 1@215 | CP_256QAM | 17.88 | -1.8 | 16.08 | 40.55 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 216@0 | DFT_BPSK | 23.5 | -1.8 | 21.7 | 147.91 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 108@54 | DFT_BPSK | 23.99 | -1.8 | 22.19 | 165.58 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 1@1 | DFT_BPSK | 23.48 | -1.8 | 21.68 | 147.23 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 1@215 | DFT_BPSK | 24.19 | -1.8 | 22.39 | 173.38 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 216@0 | DFT_QPSK | 22.98 | -1.8 | 21.18 | 131.22 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 108@54 | DFT_QPSK | 23.97 | -1.8 | 22.17 | 164.82 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 1@1 | DFT_QPSK | 23.56 | -1.8 | 21.76 | 149.97 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 1@215 | DFT_QPSK | 24.21 | -1.8 | 22.41 | 174.18 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 216@0 | DFT_16QAM | 21.98 | -1.8 | 20.18 | 104.23 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 108@54 | DFT_16QAM | 22.98 | -1.8 | 21.18 | 131.22 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 1@1 | DFT_16QAM | 22.81 | -1.8 | 21.01 | 126.18 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 1@215 | DFT_16QAM | 23.51 | -1.8 | 21.71 | 148.25 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 216@0 | DFT_64QAM | 21.53 | -1.8 | 19.73 | 93.97 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 108@54 | DFT_64QAM | 21.5 | -1.8 | 19.7 | 93.33 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 1@1 | DFT_64QAM | 21.26 | -1.8 | 19.46 | 88.31 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 1@215 | DFT_64QAM | 21.92 | -1.8 | 20.12 | 102.8 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 80 | 656000 | 216@0 | DFT_256QA | 19.51 | -1. | 17.7 | 59.02 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 8 | 1 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 108@54 | DFT_256QAM | 19.53 | -1.8 | 17.73 | 59.29 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 1@1 | DFT_256QAM | 19.26 | -1.8 | 17.46 | 55.72 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 1@215 | DFT_256QAM | 20 | -1.8 | 18.2 | 66.07 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 217@0 | CP_QPSK | 20.91 | -1.8 | 19.11 | 81.47 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 109@54 | CP_QPSK | 22.44 | -1.8 | 20.64 | 115.88 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 1@1 | CP_QPSK | 22.01 | -1.8 | 20.21 | 104.95 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 1@215 | CP_QPSK | 22.63 | -1.8 | 20.83 | 121.06 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 217@0 | CP_16QAM | 20.93 | -1.8 | 19.13 | 81.85 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 109@54 | CP_16QAM | 21.93 | -1.8 | 20.13 | 103.04 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 1@1 | CP_16QAM | 21.5 | -1.8 | 19.7 | 93.33 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 1@215 | CP_16QAM | 22.13 | -1.8 | 20.33 | 107.89 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 217@0 | CP_64QAM | 20.46 | -1.8 | 18.66 | 73.45 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 109@54 | CP_64QAM | 20.48 | -1.8 | 18.68 | 73.79 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 1@1 | CP_64QAM | 20.13 | -1.8 | 18.33 | 68.08 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 1@215 | CP_64QAM | 20.77 | -1.8 | 18.97 | 78.89 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 217@0 | CP_256QAM | 17.52 | -1.8 | 15.72 | 37.33 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 109@54 | CP_256QAM | 17.49 | -1.8 | 15.69 | 37.07 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 1@1 | CP_256QAM | 17.3 | -1.8 | 15.5 | 35.48 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 1@215 | CP_256QAM | 17.99 | -1.8 | 16.19 | 41.59 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 216@0 | DFT_BPSK | 23.44 | -1.8 | 21.64 | 145.88 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 108@54 | DFT_BPSK | 23.93 | -1.8 | 22.13 | 163.31 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 80 | 662666 | 1@1 | DFT_BPSK | 23.62 | -1. | 21.8 | 152.0 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | 2 | 5 | 0 | |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 1@215 | DFT_BPSK | 23.96 | -1.8 | 22.16 | 164.44 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 216@0 | DFT_QPSK | 22.93 | -1.8 | 21.13 | 129.72 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 108@54 | DFT_QPSK | 23.93 | -1.8 | 22.13 | 163.31 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 1@1 | DFT_QPSK | 23.67 | -1.8 | 21.87 | 153.82 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 1@215 | DFT_QPSK | 24.01 | -1.8 | 22.21 | 166.34 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 216@0 | DFT_16QAM | 21.89 | -1.8 | 20.09 | 102.09 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 108@54 | DFT_16QAM | 22.93 | -1.8 | 21.13 | 129.72 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 1@1 | DFT_16QAM | 22.94 | -1.8 | 21.14 | 130.02 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 1@215 | DFT_16QAM | 23.2 | -1.8 | 21.4 | 138.04 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 216@0 | DFT_64QAM | 21.41 | -1.8 | 19.61 | 91.41 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 108@54 | DFT_64QAM | 21.45 | -1.8 | 19.65 | 92.26 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 1@1 | DFT_64QAM | 21.4 | -1.8 | 19.6 | 91.2 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 1@215 | DFT_64QAM | 21.71 | -1.8 | 19.91 | 97.95 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 216@0 | DFT_256QAM | 19.44 | -1.8 | 17.64 | 58.08 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 108@54 | DFT_256QAM | 19.45 | -1.8 | 17.65 | 58.21 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 1@1 | DFT_256QAM | 19.39 | -1.8 | 17.59 | 57.41 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 1@215 | DFT_256QAM | 19.69 | -1.8 | 17.89 | 61.52 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 217@0 | CP_QPSK | 20.84 | -1.8 | 19.04 | 80.17 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 109@54 | CP_QPSK | 22.35 | -1.8 | 20.55 | 113.5 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 1@1 | CP_QPSK | 22.08 | -1.8 | 20.28 | 106.66 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 1@215 | CP_QPSK | 22.43 | -1.8 | 20.63 | 115.61 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 80 | 662666 | 217@0 | CP_16QAM | 20.88 | -1. | 19.0 | 80.91 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | 8 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 109@54 | CP_16QAM | 21.84 | -1.8 | 20.04 | 100.93 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 1@1 | CP_16QAM | 21.6 | -1.8 | 19.8 | 95.5 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 1@215 | CP_16QAM | 21.91 | -1.8 | 20.11 | 102.57 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 217@0 | CP_64QAM | 20.36 | -1.8 | 18.56 | 71.78 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 109@54 | CP_64QAM | 20.4 | -1.8 | 18.6 | 72.44 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 1@1 | CP_64QAM | 20.23 | -1.8 | 18.43 | 69.66 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 1@215 | CP_64QAM | 20.59 | -1.8 | 18.79 | 75.68 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 217@0 | CP_256QAM | 17.47 | -1.8 | 15.67 | 36.9 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 109@54 | CP_256QAM | 17.4 | -1.8 | 15.6 | 36.31 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 1@1 | CP_256QAM | 17.37 | -1.8 | 15.57 | 36.06 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 662666 | 1@215 | CP_256QAM | 17.68 | -1.8 | 15.88 | 38.73 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 243@0 | DFT_BPSK | 23.58 | -1.8 | 21.78 | 150.66 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 120@60 | DFT_BPSK | 24.05 | -1.8 | 22.25 | 167.88 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 1@1 | DFT_BPSK | 23.82 | -1.8 | 22.02 | 159.22 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 1@243 | DFT_BPSK | 24.19 | -1.8 | 22.39 | 173.38 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 243@0 | DFT_QPSK | 23.09 | -1.8 | 21.29 | 134.59 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 120@60 | DFT_QPSK | 24.06 | -1.8 | 22.26 | 168.27 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 1@1 | DFT_QPSK | 23.84 | -1.8 | 22.04 | 159.96 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 1@243 | DFT_QPSK | 24.22 | -1.8 | 22.42 | 174.58 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 243@0 | DFT_16QAM | 22.06 | -1.8 | 20.26 | 106.17 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 120@60 | DFT_16QAM | 23.01 | -1.8 | 21.21 | 132.13 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 90 | 649668 | 1@1 | DFT_16QA | 23.08 | -1. | 21.2 | 134.2 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 8 | 8 | 8 | 0 | |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 1@243 | DFT_16QAM | 23.51 | -1.8 | 21.71 | 148.25 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 243@0 | DFT_64QAM | 21.61 | -1.8 | 19.81 | 95.72 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 120@60 | DFT_64QAM | 21.56 | -1.8 | 19.76 | 94.62 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 1@1 | DFT_64QAM | 21.53 | -1.8 | 19.73 | 93.97 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 1@243 | DFT_64QAM | 21.93 | -1.8 | 20.13 | 103.04 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 243@0 | DFT_256QAM | 19.58 | -1.8 | 17.78 | 59.98 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 120@60 | DFT_256QAM | 19.61 | -1.8 | 17.81 | 60.39 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 1@1 | DFT_256QAM | 19.53 | -1.8 | 17.73 | 59.29 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 1@243 | DFT_256QAM | 19.9 | -1.8 | 18.1 | 64.57 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 245@0 | CP_QPSK | 21.06 | -1.8 | 19.26 | 84.33 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 123@61 | CP_QPSK | 22.5 | -1.8 | 20.7 | 117.49 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 1@1 | CP_QPSK | 22.25 | -1.8 | 20.45 | 110.92 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 1@243 | CP_QPSK | 22.64 | -1.8 | 20.84 | 121.34 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 245@0 | CP_16QAM | 21.05 | -1.8 | 19.25 | 84.14 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 123@61 | CP_16QAM | 22.03 | -1.8 | 20.23 | 105.44 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 1@1 | CP_16QAM | 21.79 | -1.8 | 19.99 | 99.77 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 1@243 | CP_16QAM | 22.18 | -1.8 | 20.38 | 109.14 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 245@0 | CP_64QAM | 20.55 | -1.8 | 18.75 | 74.99 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 123@61 | CP_64QAM | 20.55 | -1.8 | 18.75 | 74.99 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 1@1 | CP_64QAM | 20.41 | -1.8 | 18.61 | 72.61 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 1@243 | CP_64QAM | 20.83 | -1.8 | 19.03 | 79.98 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 90 | 649668 | 245@0 | CP_256QA | 17.16 | -1. | 15.3 | 34.36 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 8 | 6 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 123@61 | CP_256QAM | 17.6 | -1.8 | 15.8 | 38.02 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 1@1 | CP_256QAM | 17.54 | -1.8 | 15.74 | 37.5 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 649668 | 1@243 | CP_256QAM | 17.9 | -1.8 | 16.1 | 40.74 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 243@0 | DFT_BPSK | 23.48 | -1.8 | 21.68 | 147.23 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 120@60 | DFT_BPSK | 23.99 | -1.8 | 22.19 | 165.58 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 1@1 | DFT_BPSK | 23.33 | -1.8 | 21.53 | 142.23 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 1@243 | DFT_BPSK | 24.2 | -1.8 | 22.4 | 173.78 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 243@0 | DFT_QPSK | 22.98 | -1.8 | 21.18 | 131.22 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 120@60 | DFT_QPSK | 23.96 | -1.8 | 22.16 | 164.44 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 1@1 | DFT_QPSK | 23.41 | -1.8 | 21.61 | 144.88 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 1@243 | DFT_QPSK | 24.25 | -1.8 | 22.45 | 175.79 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 243@0 | DFT_16QAM | 21.94 | -1.8 | 20.14 | 103.28 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 120@60 | DFT_16QAM | 22.93 | -1.8 | 21.13 | 129.72 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 1@1 | DFT_16QAM | 22.67 | -1.8 | 20.87 | 122.18 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 1@243 | DFT_16QAM | 23.51 | -1.8 | 21.71 | 148.25 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 243@0 | DFT_64QAM | 21.48 | -1.8 | 19.68 | 92.9 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 120@60 | DFT_64QAM | 21.5 | -1.8 | 19.7 | 93.33 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 1@1 | DFT_64QAM | 21.14 | -1.8 | 19.34 | 85.9 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 1@243 | DFT_64QAM | 21.97 | -1.8 | 20.17 | 103.99 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 243@0 | DFT_256QAM | 19.48 | -1.8 | 17.68 | 58.61 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 120@60 | DFT_256QAM | 19.54 | -1.8 | 17.74 | 59.43 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 90 | 656000 | 1@1 | DFT_256QA | 19.14 | -1. | 17.3 | 54.2 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 8 | 4 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 1@243 | DFT_256QAM | 20 | -1.8 | 18.2 | 66.07 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 245@0 | CP_QPSK | 20.93 | -1.8 | 19.13 | 81.85 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 123@61 | CP_QPSK | 22.41 | -1.8 | 20.61 | 115.08 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 1@1 | CP_QPSK | 21.86 | -1.8 | 20.06 | 101.39 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 1@243 | CP_QPSK | 22.71 | -1.8 | 20.91 | 123.31 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 245@0 | CP_16QAM | 20.95 | -1.8 | 19.15 | 82.22 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 123@61 | CP_16QAM | 21.96 | -1.8 | 20.16 | 103.75 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 1@1 | CP_16QAM | 21.35 | -1.8 | 19.55 | 90.16 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 1@243 | CP_16QAM | 22.22 | -1.8 | 20.42 | 110.15 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 245@0 | CP_64QAM | 20.46 | -1.8 | 18.66 | 73.45 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 123@61 | CP_64QAM | 20.47 | -1.8 | 18.67 | 73.62 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 1@1 | CP_64QAM | 20.02 | -1.8 | 18.22 | 66.37 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 1@243 | CP_64QAM | 20.86 | -1.8 | 19.06 | 80.54 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 245@0 | CP_256QAM | 17.5 | -1.8 | 15.7 | 37.15 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 123@61 | CP_256QAM | 17.48 | -1.8 | 15.68 | 36.98 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 1@1 | CP_256QAM | 17.13 | -1.8 | 15.33 | 34.12 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 1@243 | CP_256QAM | 17.98 | -1.8 | 16.18 | 41.5 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 243@0 | DFT_BPSK | 23.56 | -1.8 | 21.76 | 149.97 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 120@60 | DFT_BPSK | 24.1 | -1.8 | 22.3 | 169.82 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 1@1 | DFT_BPSK | 23.63 | -1.8 | 21.83 | 152.41 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 1@243 | DFT_BPSK | 24.08 | -1.8 | 22.28 | 169.04 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 90 | 662332 | 243@0 | DFT_QPSK | 23.03 | -1. | 21.2 | 132.7 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | 3 | 4 | 0 | |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 120@60 | DFT_QPSK | 24.07 | -1.8 | 22.27 | 168.66 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 1@1 | DFT_QPSK | 23.66 | -1.8 | 21.86 | 153.46 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 1@243 | DFT_QPSK | 24.09 | -1.8 | 22.29 | 169.43 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 243@0 | DFT_16QAM | 22.03 | -1.8 | 20.23 | 105.44 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 120@60 | DFT_16QAM | 23.05 | -1.8 | 21.25 | 133.35 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 1@1 | DFT_16QAM | 22.88 | -1.8 | 21.08 | 128.23 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 1@243 | DFT_16QAM | 23.33 | -1.8 | 21.53 | 142.23 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 243@0 | DFT_64QAM | 21.54 | -1.8 | 19.74 | 94.19 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 120@60 | DFT_64QAM | 21.6 | -1.8 | 19.8 | 95.5 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 1@1 | DFT_64QAM | 21.34 | -1.8 | 19.54 | 89.95 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 1@243 | DFT_64QAM | 21.79 | -1.8 | 19.99 | 99.77 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 243@0 | DFT_256QAM | 19.55 | -1.8 | 17.75 | 59.57 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 120@60 | DFT_256QAM | 19.62 | -1.8 | 17.82 | 60.53 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 1@1 | DFT_256QAM | 19.35 | -1.8 | 17.55 | 56.89 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 1@243 | DFT_256QAM | 19.82 | -1.8 | 18.02 | 63.39 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 245@0 | CP_QPSK | 21 | -1.8 | 19.2 | 83.18 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 123@61 | CP_QPSK | 22.52 | -1.8 | 20.72 | 118.03 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 1@1 | CP_QPSK | 22.12 | -1.8 | 20.32 | 107.65 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 1@243 | CP_QPSK | 22.62 | -1.8 | 20.82 | 120.78 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 245@0 | CP_16QAM | 21.03 | -1.8 | 19.23 | 83.75 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 123@61 | CP_16QAM | 22.07 | -1.8 | 20.27 | 106.41 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 90 | 662332 | 1@1 | CP_16QAM | 21.58 | -1. | 19.7 | 95.06 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | 8 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 1@243 | CP_16QAM | 22.08 | -1.8 | 20.28 | 106.66 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 245@0 | CP_64QAM | 20.5 | -1.8 | 18.7 | 74.13 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 123@61 | CP_64QAM | 20.56 | -1.8 | 18.76 | 75.16 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 1@1 | CP_64QAM | 20.23 | -1.8 | 18.43 | 69.66 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 1@243 | CP_64QAM | 20.72 | -1.8 | 18.92 | 77.98 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 245@0 | CP_256QAM | 17.59 | -1.8 | 15.79 | 37.93 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 123@61 | CP_256QAM | 17.56 | -1.8 | 15.76 | 37.67 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 1@1 | CP_256QAM | 17.32 | -1.8 | 15.52 | 35.65 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 662332 | 1@243 | CP_256QAM | 17.9 | -1.8 | 16.1 | 40.74 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 270@0 | DFT_BPSK | 23.61 | -1.8 | 21.81 | 151.71 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 135@67 | DFT_BPSK | 24.08 | -1.8 | 22.28 | 169.04 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 1@1 | DFT_BPSK | 23.78 | -1.8 | 21.98 | 157.76 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 1@271 | DFT_BPSK | 24.25 | -1.8 | 22.45 | 175.79 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 270@0 | DFT_QPSK | 23.09 | -1.8 | 21.29 | 134.59 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 135@67 | DFT_QPSK | 24.09 | -1.8 | 22.29 | 169.43 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 1@1 | DFT_QPSK | 23.81 | -1.8 | 22.01 | 158.85 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 1@271 | DFT_QPSK | 24.28 | -1.8 | 22.48 | 177.01 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 270@0 | DFT_16QAM | 22.08 | -1.8 | 20.28 | 106.66 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 135@67 | DFT_16QAM | 23.08 | -1.8 | 21.28 | 134.28 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 1@1 | DFT_16QAM | 23.06 | -1.8 | 21.26 | 133.66 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 1@271 | DFT_16QAM | 23.51 | -1.8 | 21.71 | 148.25 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 100 | 650000 | 270@0 | DFT_64QA | 21.61 | -1. | 19.8 | 95.72 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 8 | 1 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 135@67 | DFT_64QAM | 21.6 | -1.8 | 19.8 | 95.5 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 1@1 | DFT_64QAM | 21.5 | -1.8 | 19.7 | 93.33 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 1@271 | DFT_64QAM | 21.98 | -1.8 | 20.18 | 104.23 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 270@0 | DFT_256QAM | 19.61 | -1.8 | 17.81 | 60.39 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 135@67 | DFT_256QAM | 19.6 | -1.8 | 17.8 | 60.26 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 1@1 | DFT_256QAM | 19.5 | -1.8 | 17.7 | 58.88 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 1@271 | DFT_256QAM | 20.04 | -1.8 | 18.24 | 66.68 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 273@0 | CP_QPSK | 21.05 | -1.8 | 19.25 | 84.14 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 137@68 | CP_QPSK | 22.54 | -1.8 | 20.74 | 118.58 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 1@1 | CP_QPSK | 22.27 | -1.8 | 20.47 | 111.43 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 1@271 | CP_QPSK | 22.75 | -1.8 | 20.95 | 124.45 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 273@0 | CP_16QAM | 21.09 | -1.8 | 19.29 | 84.92 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 137@68 | CP_16QAM | 22.1 | -1.8 | 20.3 | 107.15 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 1@1 | CP_16QAM | 21.78 | -1.8 | 19.98 | 99.54 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 1@271 | CP_16QAM | 22.24 | -1.8 | 20.44 | 110.66 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 273@0 | CP_64QAM | 20.57 | -1.8 | 18.77 | 75.34 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 137@68 | CP_64QAM | 20.54 | -1.8 | 18.74 | 74.82 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 1@1 | CP_64QAM | 20.37 | -1.8 | 18.57 | 71.94 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 1@271 | CP_64QAM | 20.88 | -1.8 | 19.08 | 80.91 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 273@0 | CP_256QAM | 17.62 | -1.8 | 15.82 | 38.19 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 137@68 | CP_256QAM | 17.66 | -1.8 | 15.86 | 38.55 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 100 | 650000 | 1@1 | CP_256QA | 17.51 | -1. | 15.7 | 37.24 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | M | | 8 | 1 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 100 | 650000 | 1@271 | CP_256QAM | 17.97 | -1.8 | 16.17 | 41.4 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_BPSK | 23.49 | -1.8 | 21.69 | 147.57 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 135@67 | DFT_BPSK | 23.98 | -1.8 | 22.18 | 165.2 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 1@1 | DFT_BPSK | 23.31 | -1.8 | 21.51 | 141.58 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 1@271 | DFT_BPSK | 24.24 | -1.8 | 22.44 | 175.39 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_QPSK | 22.95 | -1.8 | 21.15 | 130.32 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 135@67 | DFT_QPSK | 23.98 | -1.8 | 22.18 | 165.2 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 1@1 | DFT_QPSK | 23.38 | -1.8 | 21.58 | 143.88 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 1@271 | DFT_QPSK | 24.26 | -1.8 | 22.46 | 176.2 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_16QAM | 21.95 | -1.8 | 20.15 | 103.51 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 135@67 | DFT_16QAM | 22.98 | -1.8 | 21.18 | 131.22 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 1@1 | DFT_16QAM | 22.67 | -1.8 | 20.87 | 122.18 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 1@271 | DFT_16QAM | 23.53 | -1.8 | 21.73 | 148.94 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_64QAM | 21.49 | -1.8 | 19.69 | 93.11 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 135@67 | DFT_64QAM | 21.51 | -1.8 | 19.71 | 93.54 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 1@1 | DFT_64QAM | 21.07 | -1.8 | 19.27 | 84.53 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 1@271 | DFT_64QAM | 21.99 | -1.8 | 20.19 | 104.47 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_256QAM | 19.51 | -1.8 | 17.71 | 59.02 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 135@67 | DFT_256QAM | 19.51 | -1.8 | 17.71 | 59.02 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 1@1 | DFT_256QAM | 19.08 | -1.8 | 17.28 | 53.46 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 1@271 | DFT_256QAM | 20.01 | -1.8 | 18.21 | 66.22 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 100 | 656000 | 273@0 | CP_QPSK | 20.93 | -1. | 19.1 | 81.85 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | 3 | | 0 | |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 137@68 | CP_QPSK | 22.45 | -1.8 | 20.65 | 116.14 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 1@1 | CP_QPSK | 21.81 | -1.8 | 20.01 | 100.23 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 1@271 | CP_QPSK | 22.69 | -1.8 | 20.89 | 122.74 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 273@0 | CP_16QAM | 20.94 | -1.8 | 19.14 | 82.04 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 137@68 | CP_16QAM | 21.98 | -1.8 | 20.18 | 104.23 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 1@1 | CP_16QAM | 21.31 | -1.8 | 19.51 | 89.33 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 1@271 | CP_16QAM | 22.24 | -1.8 | 20.44 | 110.66 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 273@0 | CP_64QAM | 20.44 | -1.8 | 18.64 | 73.11 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 137@68 | CP_64QAM | 20.44 | -1.8 | 18.64 | 73.11 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 1@1 | CP_64QAM | 19.94 | -1.8 | 18.14 | 65.16 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 1@271 | CP_64QAM | 20.88 | -1.8 | 19.08 | 80.91 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 273@0 | CP_256QAM | 17.49 | -1.8 | 15.69 | 37.07 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 137@68 | CP_256QAM | 17.52 | -1.8 | 15.72 | 37.33 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 1@1 | CP_256QAM | 17.1 | -1.8 | 15.3 | 33.88 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 1@271 | CP_256QAM | 18.04 | -1.8 | 16.24 | 42.07 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 270@0 | DFT_BPSK | 23.61 | -1.8 | 21.81 | 151.71 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 135@67 | DFT_BPSK | 24.16 | -1.8 | 22.36 | 172.19 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 1@1 | DFT_BPSK | 23.58 | -1.8 | 21.78 | 150.66 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 1@271 | DFT_BPSK | 24.18 | -1.8 | 22.38 | 172.98 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 270@0 | DFT_QPSK | 23.11 | -1.8 | 21.31 | 135.21 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 135@67 | DFT_QPSK | 24.13 | -1.8 | 22.33 | 171 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 100 | 662000 | 1@1 | DFT_QPSK | 23.63 | -1. | 21.8 | 152.4 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | 3 | 1 | 0 | |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 1@271 | DFT_QPSK | 24.23 | -1.8 | 22.43 | 174.98 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 270@0 | DFT_16QAM | 22.1 | -1.8 | 20.3 | 107.15 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 135@67 | DFT_16QAM | 23.15 | -1.8 | 21.35 | 136.46 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 1@1 | DFT_16QAM | 22.88 | -1.8 | 21.08 | 128.23 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 1@271 | DFT_16QAM | 23.47 | -1.8 | 21.67 | 146.89 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 270@0 | DFT_64QAM | 21.65 | -1.8 | 19.85 | 96.61 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 135@67 | DFT_64QAM | 21.67 | -1.8 | 19.87 | 97.05 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 1@1 | DFT_64QAM | 21.34 | -1.8 | 19.54 | 89.95 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 1@271 | DFT_64QAM | 21.89 | -1.8 | 20.09 | 102.09 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 270@0 | DFT_256QAM | 19.64 | -1.8 | 17.84 | 60.81 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 135@67 | DFT_256QAM | 19.7 | -1.8 | 17.9 | 61.66 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 1@1 | DFT_256QAM | 19.36 | -1.8 | 17.56 | 57.02 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 1@271 | DFT_256QAM | 19.94 | -1.8 | 18.14 | 65.16 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 273@0 | CP_QPSK | 21.05 | -1.8 | 19.25 | 84.14 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 137@68 | CP_QPSK | 22.62 | -1.8 | 20.82 | 120.78 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 1@1 | CP_QPSK | 22.12 | -1.8 | 20.32 | 107.65 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 1@271 | CP_QPSK | 22.72 | -1.8 | 20.92 | 123.59 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 273@0 | CP_16QAM | 21.1 | -1.8 | 19.3 | 85.11 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 137@68 | CP_16QAM | 22.14 | -1.8 | 20.34 | 108.14 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 1@1 | CP_16QAM | 21.6 | -1.8 | 19.8 | 95.5 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 1@271 | CP_16QAM | 22.21 | -1.8 | 20.41 | 109.9 | 1000 | PASS |
| NVNT | n77(3700-398 | 30 | 100 | 662000 | 273@0 | CP_64QAM | 20.6 | -1. | 18.8 | 75.86 | 100 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0) | | | | | | | 8 | | | 0 | |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 137@68 | CP_64QAM | 20.64 | -1.8 | 18.84 | 76.56 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 1@1 | CP_64QAM | 20.24 | -1.8 | 18.44 | 69.82 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 1@271 | CP_64QAM | 20.84 | -1.8 | 19.04 | 80.17 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 273@0 | CP_256QAM | 17.61 | -1.8 | 15.81 | 38.11 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 137@68 | CP_256QAM | 17.7 | -1.8 | 15.9 | 38.9 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 1@1 | CP_256QAM | 17.36 | -1.8 | 15.56 | 35.97 | 1000 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 662000 | 1@271 | CP_256QAM | 17.94 | -1.8 | 16.14 | 41.11 | 1000 | PASS |

# 2. Frequency Stability

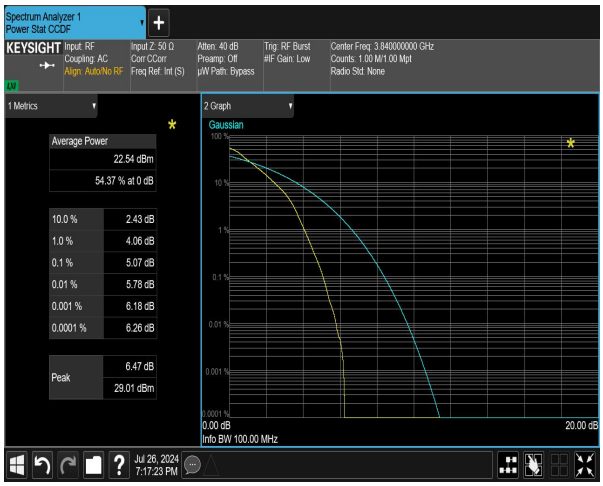
| Temperature (℃) | Voltage (V) | Band | SCS (kHz) | Bandwidth (MHz) | UL Channel | RB Allocation | Modulation | Result(Hz) | Result (ppm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|
| 20(Ref.) | 7.74 | n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_BPSK | -9.3 | -0.00242 | PASS |
| 20 | 6 | n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_BPSK | 5.2 | 0.00135 | PASS |
| 20 | 8.9 | n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_BPSK | 3.4 | 0.00089 | PASS |
| -30 | 7.74 | n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_BPSK | 7.6 | 0.00198 | PASS |
| -20 | 7.74 | n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_BPSK | -6.3 | -0.00164 | PASS |
| -10 | 7.74 | n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_BPSK | -2.8 | -0.00073 | PASS |
| 0 | 7.74 | n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_BPSK | 10.8 | 0.00281 | PASS |
| 10 | 7.74 | n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_BPSK | 2.8 | 0.00073 | PASS |
| 30 | 7.74 | n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_BPSK | 1.2 | 0.00031 | PASS |
| 40 | 7.74 | n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_BPSK | 0.3 | 0.00008 | PASS |
| 50 | 7.74 | n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_BPSK | 10.3 | 0.00268 | 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(3700-3980) | 30 | 10 | 656000 | 24@0 | DFT_BPSK | 5.07 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 24@0 | DFT_QPSK | 5.69 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 24@0 | DFT_16QAM | 6.36 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 24@0 | DFT_64QAM | 6.97 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 10 | 656000 | 24@0 | DFT_256QAM | 7.00 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 36@0 | DFT_BPSK | 4.48 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 36@0 | DFT_QPSK | 5.80 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 36@0 | DFT_16QAM | 6.55 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 36@0 | DFT_64QAM | 6.75 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 15 | 656000 | 36@0 | DFT_256QAM | 6.70 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 50@0 | DFT_BPSK | 4.57 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 50@0 | DFT_QPSK | 5.79 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 50@0 | DFT_16QAM | 6.58 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 50@0 | DFT_64QAM | 6.61 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 20 | 656000 | 50@0 | DFT_256QAM | 6.87 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 100@0 | DFT_BPSK | 4.44 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 100@0 | DFT_QPSK | 5.69 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 100@0 | DFT_16QAM | 6.45 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 100@0 | DFT_64QAM | 6.60 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 40 | 656000 | 100@0 | DFT_256QAM | 6.71 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 128@0 | DFT_BPSK | 4.82 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 128@0 | DFT_QPSK | 5.72 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 128@0 | DFT_16QAM | 6.45 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 128@0 | DFT_64QAM | 6.62 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 50 | 656000 | 128@0 | DFT_256QAM | 6.79 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 162@0 | DFT_BPSK | 4.49 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 162@0 | DFT_QPSK | 5.75 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 162@0 | DFT_16QAM | 6.47 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 162@0 | DFT_64QAM | 6.67 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 60 | 656000 | 162@0 | DFT_256QAM | 6.77 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 180@0 | DFT_BPSK | 4.67 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 180@0 | DFT_QPSK | 5.74 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 180@0 | DFT_16QAM | 6.53 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 180@0 | DFT_64QAM | 6.66 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 70 | 656000 | 180@0 | DFT_256QAM | 6.78 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 216@0 | DFT_BPSK | 5.11 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 216@0 | DFT_QPSK | 5.75 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 216@0 | DFT_16QAM | 6.50 | 13 | PASS |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 216@0 | DFT_64QAM | 6.65 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 80 | 656000 | 216@0 | DFT_256QAM | 6.76 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 243@0 | DFT_BPSK | 4.54 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 243@0 | DFT_QPSK | 5.72 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 243@0 | DFT_16QAM | 6.44 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 243@0 | DFT_64QAM | 6.67 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 90 | 656000 | 243@0 | DFT_256QAM | 6.72 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_BPSK | 5.23 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_QPSK | 5.77 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_16QAM | 6.49 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_64QAM | 6.73 | 13 | PASS |
| NVNT | n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_256QAM | 6.73 | 13 | PASS |

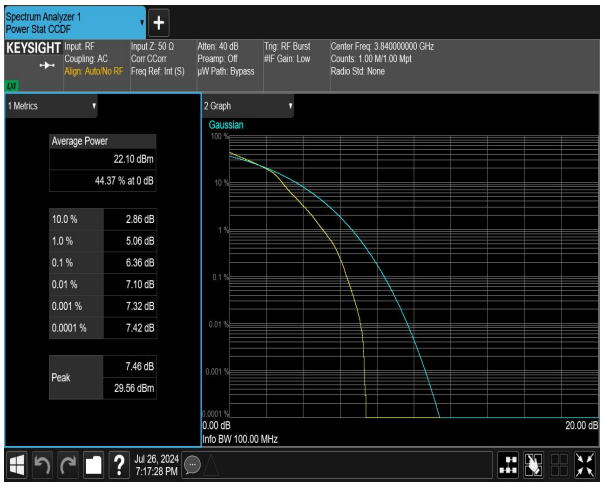



n77(3700-3980) SCS=30kHz DFT_BPSK BW=10MHz

Channel=656000 RB=24@0 NVNT


n77(3700-3980) SCS=30kHz DFT_QPSK BW=10MHz

Channel=656000 RB=24@0 NVNT

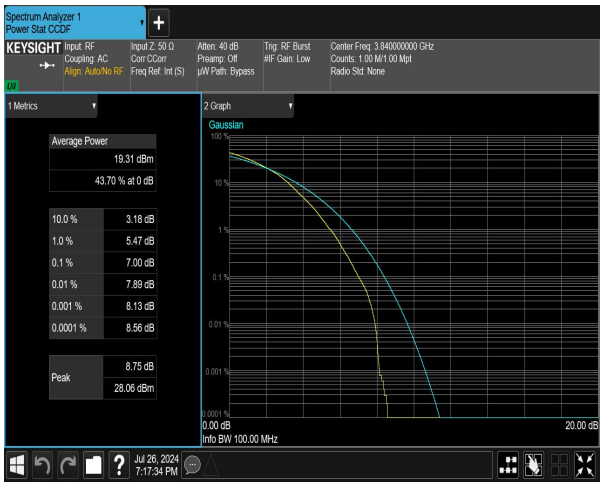



n77(3700-3980) SCS=30kHz DFT_16QAM BW=10MHz

Channel=656000 RB=24@0 NVNT

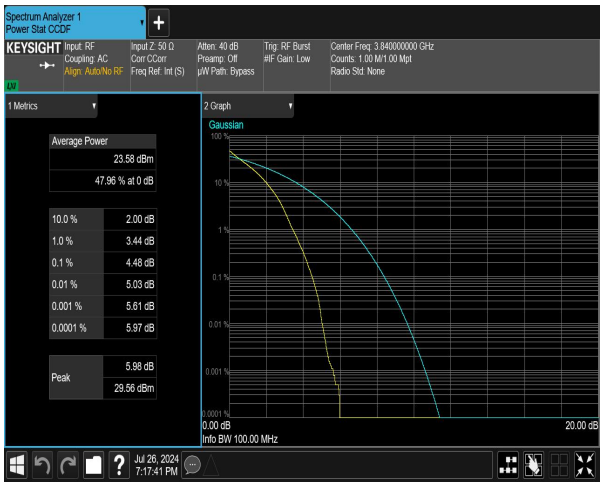

n77(3700-3980) SCS=30kHz DFT_64QAM BW=10MHz

Channel=656000 RB=24@0 NVNT




n77(3700-3980) SCS=30kHz DFT_256QAM BW=10MHz

Channel=656000 RB=24@0 NVNT




n77(3700-3980) SCS=30kHz DFT_BPSK BW=15MHz

Channel=656000 RB=36@0 NVNT


n77(3700-3980) SCS=30kHz DFT_QPSK BW=15MHz

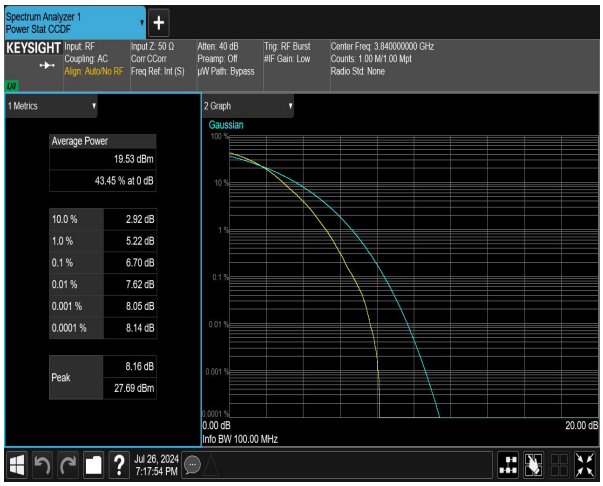
Channel=656000 RB=36@0 NVNT


n77(3700-3980) SCS=30kHz DFT_16QAM BW=15MHz

Channel=656000 RB=36@0 NVNT

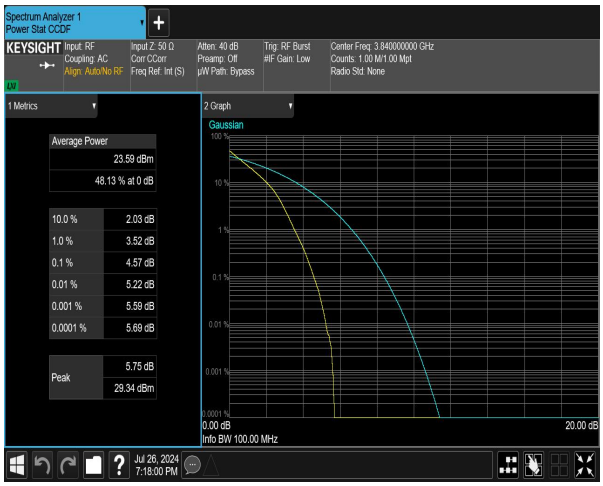

n77(3700-3980) SCS=30kHz DFT_64QAM BW=15MHz

Channel=656000 RB=36@0 NVNT



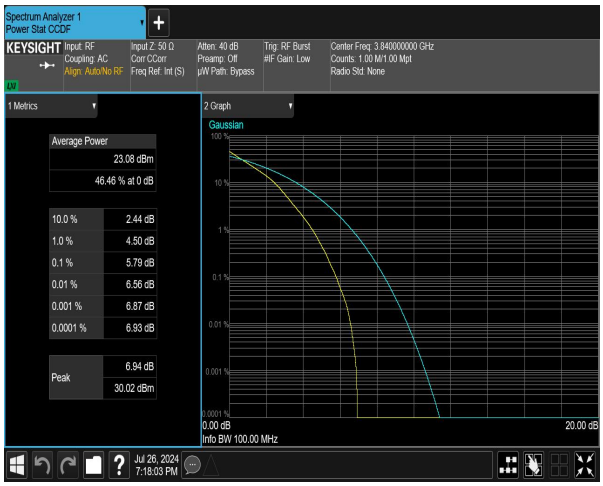

n77(3700-3980) SCS=30kHz DFT_256QAM BW=15MHz

Channel=656000 RB=36@0 NVNT




n77(3700-3980) SCS=30kHz DFT_BPSK BW=20MHz

Channel=656000 RB=50@0 NVNT




n77(3700-3980) SCS=30kHz DFT_QPSK BW=20MHz

Channel=656000 RB=50@0 NVNT