# Appendix A : Test Result - n77-n78-(3.45G)

## 1. Conducted Output Power

| Band | SCS (kHz) | Bandwidth (MHz) | UL Channel | RB Allocation | Modulation | Power (dBm) | GT - Lc (dB) | EIRP (dBm) | EIRP (mW) | EIRP Limit (mW) | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n77(3450-3550) | 30 | 10 | 630334 | 24@0 | DFT_BPSK | 15.8 | 1.36 | 17.16 | 52 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 12@6 | DFT_BPSK | 16.36 | 1.36 | 17.72 | 59.16 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 1@1 | DFT_BPSK | 16.31 | 1.36 | 17.67 | 58.48 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 1@22 | DFT_BPSK | 16.36 | 1.36 | 17.72 | 59.16 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 24@0 | DFT_QPSK | 15.35 | 1.36 | 16.71 | 46.88 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 12@6 | DFT_QPSK | 16.43 | 1.36 | 17.79 | 60.12 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 1@1 | DFT_QPSK | 16.35 | 1.36 | 17.71 | 59.02 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 1@22 | DFT_QPSK | 16.39 | 1.36 | 17.75 | 59.57 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 24@0 | DFT_16QAM | 14.48 | 1.36 | 15.84 | 38.37 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 12@6 | DFT_16QAM | 15.37 | 1.36 | 16.73 | 47.1 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 1@1 | DFT_16QAM | 15.22 | 1.36 | 16.58 | 45.5 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 1@22 | DFT_16QAM | 15.26 | 1.36 | 16.62 | 45.92 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 24@0 | DFT_64QAM | 13.82 | 1.36 | 15.18 | 32.96 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 12@6 | DFT_64QAM | 13.9 | 1.36 | 15.26 | 33.57 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 1@1 | DFT_64QAM | 13.69 | 1.36 | 15.05 | 31.99 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 1@22 | DFT_64QAM | 13.75 | 1.36 | 15.11 | 32.43 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 24@0 | DFT_256QAM | 11.77 | 1.36 | 13.13 | 20.56 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 12@6 | DFT_256QAM | 11.91 | 1.36 | 13.27 | 21.23 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 1@1 | DFT_256QAM | 11.65 | 1.36 | 13.01 | 20 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 1@22 | DFT_256QAM | 11.74 | 1.36 | 13.1 | 20.42 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 24@0 | CP_QPSK | 13.31 | 1.36 | 14.67 | 29.31 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 12@6 | CP_QPSK | 14.83 | 1.36 | 16.19 | 41.59 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 1@1 | CP_QPSK | 14.89 | 1.36 | 16.25 | 42.17 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 1@22 | CP_QPSK | 14.93 | 1.36 | 16.29 | 42.56 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 24@0 | CP_16QAM | 13.25 | 1.36 | 14.61 | 28.91 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 12@6 | CP_16QAM | 14.51 | 1.36 | 15.87 | 38.64 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 1@1 | CP_16QAM | 14.36 | 1.36 | 15.72 | 37.33 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 1@22 | CP_16QAM | 14.38 | 1.36 | 15.74 | 37.5 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 24@0 | CP_64QAM | 12.97 | 1.36 | 14.33 | 27.1 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 12@6 | CP_64QAM | 12.85 | 1.36 | 14.21 | 26.36 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 1@1 | CP_64QAM | 12.59 | 1.36 | 13.95 | 24.83 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 1@22 | CP_64QAM | 12.66 | 1.36 | 14.02 | 25.23 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 24@0 | CP_256QAM | 9.87 | 1.36 | 11.23 | 13.27 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 12@6 | CP_256QAM | 9.78 | 1.36 | 11.14 | 13 | 1000 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| n77(3450-3550) | 30 | 10 | 630334 | 1@1 | CP_256QAM | 9.82 | 1.36 | 11.18 | 13.12 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 630334 | 1@22 | CP_256QAM | 9.88 | 1.36 | 11.24 | 13.3 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 24@0 | DFT_BPSK | 16.02 | 1.36 | 17.38 | 54.7 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 12@6 | DFT_BPSK | 16.56 | 1.36 | 17.92 | 61.94 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 1@1 | DFT_BPSK | 16.46 | 1.36 | 17.82 | 60.53 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 1@22 | DFT_BPSK | 16.47 | 1.36 | 17.83 | 60.67 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 24@0 | DFT_QPSK | 15.49 | 1.36 | 16.85 | 48.42 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 12@6 | DFT_QPSK | 16.51 | 1.36 | 17.87 | 61.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 1@1 | DFT_QPSK | 16.49 | 1.36 | 17.85 | 60.95 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 1@22 | DFT_QPSK | 16.57 | 1.36 | 17.93 | 62.09 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 24@0 | DFT_16QAM | 14.48 | 1.36 | 15.84 | 38.37 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 12@6 | DFT_16QAM | 15.49 | 1.36 | 16.85 | 48.42 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 1@1 | DFT_16QAM | 15.32 | 1.36 | 16.68 | 46.56 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 1@22 | DFT_16QAM | 15.44 | 1.36 | 16.8 | 47.86 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 24@0 | DFT_64QAM | 14.05 | 1.36 | 15.41 | 34.75 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 12@6 | DFT_64QAM | 14.01 | 1.36 | 15.37 | 34.43 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 1@1 | DFT_64QAM | 13.82 | 1.36 | 15.18 | 32.96 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 1@22 | DFT_64QAM | 13.9 | 1.36 | 15.26 | 33.57 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 24@0 | DFT_256QAM | 11.93 | 1.36 | 13.29 | 21.33 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 12@6 | DFT_256QAM | 12.07 | 1.36 | 13.43 | 22.03 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 1@1 | DFT_256QAM | 11.78 | 1.36 | 13.14 | 20.61 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 1@22 | DFT_256QAM | 11.88 | 1.36 | 13.24 | 21.09 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 24@0 | CP_QPSK | 13.44 | 1.36 | 14.8 | 30.2 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 12@6 | CP_QPSK | 14.97 | 1.36 | 16.33 | 42.95 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 1@1 | CP_QPSK | 15.02 | 1.36 | 16.38 | 43.45 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 1@22 | CP_QPSK | 15.15 | 1.36 | 16.51 | 44.77 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 24@0 | CP_16QAM | 13.33 | 1.36 | 14.69 | 29.44 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 12@6 | CP_16QAM | 14.62 | 1.36 | 15.98 | 39.63 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 1@1 | CP_16QAM | 14.61 | 1.36 | 15.97 | 39.54 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 1@22 | CP_16QAM | 14.61 | 1.36 | 15.97 | 39.54 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 24@0 | CP_64QAM | 12.99 | 1.36 | 14.35 | 27.23 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 12@6 | CP_64QAM | 13.12 | 1.36 | 14.48 | 28.05 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 1@1 | CP_64QAM | 12.68 | 1.36 | 14.04 | 25.35 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 1@22 | CP_64QAM | 12.78 | 1.36 | 14.14 | 25.94 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 24@0 | CP_256QAM | 9.91 | 1.36 | 11.27 | 13.4 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 12@6 | CP_256QAM | 9.92 | 1.36 | 11.28 | 13.43 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 1@1 | CP_256QAM | 9.92 | 1.36 | 11.28 | 13.43 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 633334 | 1@22 | CP_256QAM | 9.97 | 1.36 | 11.33 | 13.58 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 24@0 | DFT_BPSK | 16.21 | 1.36 | 17.57 | 57.15 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 12@6 | DFT_BPSK | 16.59 | 1.36 | 17.95 | 62.37 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 1@1 | DFT_BPSK | 16.65 | 1.36 | 18.01 | 63.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 1@22 | DFT_BPSK | 16.66 | 1.36 | 18.02 | 63.39 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 24@0 | DFT_QPSK | 15.6 | 1.36 | 16.96 | 49.66 | 1000 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| n77(3450-3550) | 30 | 10 | 636332 | 12@6 | DFT_QPSK | 16.63 | 1.36 | 17.99 | 62.95 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 1@1 | DFT_QPSK | 16.7 | 1.36 | 18.06 | 63.97 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 1@22 | DFT_QPSK | 16.63 | 1.36 | 17.99 | 62.95 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 24@0 | DFT_16QAM | 14.71 | 1.36 | 16.07 | 40.46 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 12@6 | DFT_16QAM | 15.72 | 1.36 | 17.08 | 51.05 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 1@1 | DFT_16QAM | 15.54 | 1.36 | 16.9 | 48.98 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 1@22 | DFT_16QAM | 15.57 | 1.36 | 16.93 | 49.32 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 24@0 | DFT_64QAM | 14.23 | 1.36 | 15.59 | 36.22 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 12@6 | DFT_64QAM | 14.2 | 1.36 | 15.56 | 35.97 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 1@1 | DFT_64QAM | 14.04 | 1.36 | 15.4 | 34.67 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 1@22 | DFT_64QAM | 13.99 | 1.36 | 15.35 | 34.28 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 24@0 | DFT_256QAM | 12.1 | 1.36 | 13.46 | 22.18 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 12@6 | DFT_256QAM | 12.25 | 1.36 | 13.61 | 22.96 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 1@1 | DFT_256QAM | 12.04 | 1.36 | 13.4 | 21.88 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 1@22 | DFT_256QAM | 11.98 | 1.36 | 13.34 | 21.58 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 24@0 | CP_QPSK | 13.57 | 1.36 | 14.93 | 31.12 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 12@6 | CP_QPSK | 15.05 | 1.36 | 16.41 | 43.75 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 1@1 | CP_QPSK | 15.21 | 1.36 | 16.57 | 45.39 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 1@22 | CP_QPSK | 15.11 | 1.36 | 16.47 | 44.36 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 24@0 | CP_16QAM | 13.56 | 1.36 | 14.92 | 31.05 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 12@6 | CP_16QAM | 14.79 | 1.36 | 16.15 | 41.21 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 1@1 | CP_16QAM | 14.76 | 1.36 | 16.12 | 40.93 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 1@22 | CP_16QAM | 14.7 | 1.36 | 16.06 | 40.36 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 24@0 | CP_64QAM | 13.14 | 1.36 | 14.5 | 28.18 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 12@6 | CP_64QAM | 13.24 | 1.36 | 14.6 | 28.84 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 1@1 | CP_64QAM | 12.95 | 1.36 | 14.31 | 26.98 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 1@22 | CP_64QAM | 12.85 | 1.36 | 14.21 | 26.36 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 24@0 | CP_256QAM | 10.12 | 1.36 | 11.48 | 14.06 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 12@6 | CP_256QAM | 10.09 | 1.36 | 11.45 | 13.96 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 1@1 | CP_256QAM | 10.18 | 1.36 | 11.54 | 14.26 | 1000 | PASS |
| n77(3450-3550) | 30 | 10 | 636332 | 1@22 | CP_256QAM | 10.08 | 1.36 | 11.44 | 13.93 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 36@0 | DFT_BPSK | 15.99 | 1.36 | 17.35 | 54.33 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 18@9 | DFT_BPSK | 16.55 | 1.36 | 17.91 | 61.8 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 1@1 | DFT_BPSK | 16.46 | 1.36 | 17.82 | 60.53 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 1@36 | DFT_BPSK | 16.56 | 1.36 | 17.92 | 61.94 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 36@0 | DFT_QPSK | 15.54 | 1.36 | 16.9 | 48.98 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 18@9 | DFT_QPSK | 16.66 | 1.36 | 18.02 | 63.39 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 1@1 | DFT_QPSK | 16.48 | 1.36 | 17.84 | 60.81 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 1@36 | DFT_QPSK | 16.51 | 1.36 | 17.87 | 61.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 36@0 | DFT_16QAM | 14.54 | 1.36 | 15.9 | 38.9 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 18@9 | DFT_16QAM | 15.59 | 1.36 | 16.95 | 49.55 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 1@1 | DFT_16QAM | 15.31 | 1.36 | 16.67 | 46.45 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 1@36 | DFT_16QAM | 15.35 | 1.36 | 16.71 | 46.88 | 1000 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| n77(3450-3550) | 30 | 15 | 630500 | 36@0 | DFT_64QAM | 13.97 | 1.36 | 15.33 | 34.12 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 18@9 | DFT_64QAM | 14.09 | 1.36 | 15.45 | 35.08 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 1@1 | DFT_64QAM | 13.8 | 1.36 | 15.16 | 32.81 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 1@36 | DFT_64QAM | 13.91 | 1.36 | 15.27 | 33.65 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 36@0 | DFT_256QAM | 11.93 | 1.36 | 13.29 | 21.33 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 18@9 | DFT_256QAM | 11.94 | 1.36 | 13.3 | 21.38 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 1@1 | DFT_256QAM | 11.8 | 1.36 | 13.16 | 20.7 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 1@36 | DFT_256QAM | 11.89 | 1.36 | 13.25 | 21.13 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 38@0 | CP_QPSK | 13.4 | 1.36 | 14.76 | 29.92 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 19@9 | CP_QPSK | 14.99 | 1.36 | 16.35 | 43.15 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 1@1 | CP_QPSK | 14.99 | 1.36 | 16.35 | 43.15 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 1@36 | CP_QPSK | 15.03 | 1.36 | 16.39 | 43.55 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 38@0 | CP_16QAM | 13.51 | 1.36 | 14.87 | 30.69 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 19@9 | CP_16QAM | 14.55 | 1.36 | 15.91 | 38.99 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 1@1 | CP_16QAM | 14.51 | 1.36 | 15.87 | 38.64 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 1@36 | CP_16QAM | 14.48 | 1.36 | 15.84 | 38.37 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 38@0 | CP_64QAM | 13.02 | 1.36 | 14.38 | 27.42 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 19@9 | CP_64QAM | 13.01 | 1.36 | 14.37 | 27.35 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 1@1 | CP_64QAM | 12.68 | 1.36 | 14.04 | 25.35 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 1@36 | CP_64QAM | 12.73 | 1.36 | 14.09 | 25.64 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 38@0 | CP_256QAM | 9.98 | 1.36 | 11.34 | 13.61 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 19@9 | CP_256QAM | 10.05 | 1.36 | 11.41 | 13.84 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 1@1 | CP_256QAM | 9.92 | 1.36 | 11.28 | 13.43 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 630500 | 1@36 | CP_256QAM | 9.98 | 1.36 | 11.34 | 13.61 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 36@0 | DFT_BPSK | 16.05 | 1.36 | 17.41 | 55.08 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 18@9 | DFT_BPSK | 16.64 | 1.36 | 18 | 63.1 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 1@1 | DFT_BPSK | 16.52 | 1.36 | 17.88 | 61.38 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 1@36 | DFT_BPSK | 16.58 | 1.36 | 17.94 | 62.23 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 36@0 | DFT_QPSK | 15.57 | 1.36 | 16.93 | 49.32 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 18@9 | DFT_QPSK | 16.68 | 1.36 | 18.04 | 63.68 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 1@1 | DFT_QPSK | 16.53 | 1.36 | 17.89 | 61.52 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 1@36 | DFT_QPSK | 16.59 | 1.36 | 17.95 | 62.37 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 36@0 | DFT_16QAM | 14.58 | 1.36 | 15.94 | 39.26 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 18@9 | DFT_16QAM | 15.57 | 1.36 | 16.93 | 49.32 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 1@1 | DFT_16QAM | 15.33 | 1.36 | 16.69 | 46.67 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 1@36 | DFT_16QAM | 15.43 | 1.36 | 16.79 | 47.75 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 36@0 | DFT_64QAM | 14.01 | 1.36 | 15.37 | 34.43 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 18@9 | DFT_64QAM | 14.12 | 1.36 | 15.48 | 35.32 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 1@1 | DFT_64QAM | 13.86 | 1.36 | 15.22 | 33.27 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 1@36 | DFT_64QAM | 13.97 | 1.36 | 15.33 | 34.12 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 36@0 | DFT_256QAM | 12 | 1.36 | 13.36 | 21.68 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 18@9 | DFT_256QAM | 12.01 | 1.36 | 13.37 | 21.73 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 1@1 | DFT_256QAM | 11.86 | 1.36 | 13.22 | 20.99 | 1000 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| n77(3450-3550) | 30 | 15 | 633334 | 1@36 | DFT_256QAM | 11.94 | 1.36 | 13.3 | 21.38 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 38@0 | CP_QPSK | 13.44 | 1.36 | 14.8 | 30.2 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 19@9 | CP_QPSK | 15.05 | 1.36 | 16.41 | 43.75 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 1@1 | CP_QPSK | 15.02 | 1.36 | 16.38 | 43.45 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 1@36 | CP_QPSK | 15.13 | 1.36 | 16.49 | 44.57 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 38@0 | CP_16QAM | 13.53 | 1.36 | 14.89 | 30.83 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 19@9 | CP_16QAM | 14.58 | 1.36 | 15.94 | 39.26 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 1@1 | CP_16QAM | 14.64 | 1.36 | 16 | 39.81 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 1@36 | CP_16QAM | 14.59 | 1.36 | 15.95 | 39.36 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 38@0 | CP_64QAM | 13.05 | 1.36 | 14.41 | 27.61 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 19@9 | CP_64QAM | 13.05 | 1.36 | 14.41 | 27.61 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 1@1 | CP_64QAM | 12.72 | 1.36 | 14.08 | 25.59 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 1@36 | CP_64QAM | 12.84 | 1.36 | 14.2 | 26.3 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 38@0 | CP_256QAM | 10.04 | 1.36 | 11.4 | 13.8 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 19@9 | CP_256QAM | 10.05 | 1.36 | 11.41 | 13.84 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 1@1 | CP_256QAM | 9.99 | 1.36 | 11.35 | 13.65 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 633334 | 1@36 | CP_256QAM | 10.08 | 1.36 | 11.44 | 13.93 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 36@0 | DFT_BPSK | 16.25 | 1.36 | 17.61 | 57.68 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 18@9 | DFT_BPSK | 16.81 | 1.36 | 18.17 | 65.61 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 1@1 | DFT_BPSK | 16.72 | 1.36 | 18.08 | 64.27 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 1@36 | DFT_BPSK | 16.69 | 1.36 | 18.05 | 63.83 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 36@0 | DFT_QPSK | 15.71 | 1.36 | 17.07 | 50.93 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 18@9 | DFT_QPSK | 16.76 | 1.36 | 18.12 | 64.86 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 1@1 | DFT_QPSK | 16.75 | 1.36 | 18.11 | 64.71 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 1@36 | DFT_QPSK | 16.69 | 1.36 | 18.05 | 63.83 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 36@0 | DFT_16QAM | 14.65 | 1.36 | 16.01 | 39.9 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 18@9 | DFT_16QAM | 15.74 | 1.36 | 17.1 | 51.29 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 1@1 | DFT_16QAM | 15.59 | 1.36 | 16.95 | 49.55 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 1@36 | DFT_16QAM | 15.52 | 1.36 | 16.88 | 48.75 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 36@0 | DFT_64QAM | 14.17 | 1.36 | 15.53 | 35.73 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 18@9 | DFT_64QAM | 14.26 | 1.36 | 15.62 | 36.48 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 1@1 | DFT_64QAM | 14.08 | 1.36 | 15.44 | 34.99 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 1@36 | DFT_64QAM | 14.05 | 1.36 | 15.41 | 34.75 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 36@0 | DFT_256QAM | 12.11 | 1.36 | 13.47 | 22.23 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 18@9 | DFT_256QAM | 12.14 | 1.36 | 13.5 | 22.39 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 1@1 | DFT_256QAM | 12.12 | 1.36 | 13.48 | 22.28 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 1@36 | DFT_256QAM | 12.04 | 1.36 | 13.4 | 21.88 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 38@0 | CP_QPSK | 13.63 | 1.36 | 14.99 | 31.55 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 19@9 | CP_QPSK | 15.19 | 1.36 | 16.55 | 45.19 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 1@1 | CP_QPSK | 15.27 | 1.36 | 16.63 | 46.03 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 1@36 | CP_QPSK | 15.18 | 1.36 | 16.54 | 45.08 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 38@0 | CP_16QAM | 13.67 | 1.36 | 15.03 | 31.84 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 19@9 | CP_16QAM | 14.76 | 1.36 | 16.12 | 40.93 | 1000 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| n77(3450-3550) | 30 | 15 | 636166 | 1@1 | CP_16QAM | 14.72 | 1.36 | 16.08 | 40.55 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 1@36 | CP_16QAM | 14.76 | 1.36 | 16.12 | 40.93 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 38@0 | CP_64QAM | 13.16 | 1.36 | 14.52 | 28.31 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 19@9 | CP_64QAM | 13.22 | 1.36 | 14.58 | 28.71 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 1@1 | CP_64QAM | 12.96 | 1.36 | 14.32 | 27.04 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 1@36 | CP_64QAM | 12.86 | 1.36 | 14.22 | 26.42 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 38@0 | CP_256QAM | 10.2 | 1.36 | 11.56 | 14.32 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 19@9 | CP_256QAM | 10.27 | 1.36 | 11.63 | 14.55 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 1@1 | CP_256QAM | 10.17 | 1.36 | 11.53 | 14.22 | 1000 | PASS |
| n77(3450-3550) | 30 | 15 | 636166 | 1@36 | CP_256QAM | 10.1 | 1.36 | 11.46 | 14 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 50@0 | DFT_BPSK | 16.09 | 1.36 | 17.45 | 55.59 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 25@12 | DFT_BPSK | 16.69 | 1.36 | 18.05 | 63.83 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 1@1 | DFT_BPSK | 16.52 | 1.36 | 17.88 | 61.38 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 1@49 | DFT_BPSK | 16.5 | 1.36 | 17.86 | 61.09 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 50@0 | DFT_QPSK | 15.65 | 1.36 | 17.01 | 50.23 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 25@12 | DFT_QPSK | 16.65 | 1.36 | 18.01 | 63.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 1@1 | DFT_QPSK | 16.51 | 1.36 | 17.87 | 61.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 1@49 | DFT_QPSK | 16.51 | 1.36 | 17.87 | 61.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 50@0 | DFT_16QAM | 14.64 | 1.36 | 16 | 39.81 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 25@12 | DFT_16QAM | 15.66 | 1.36 | 17.02 | 50.35 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 1@1 | DFT_16QAM | 15.35 | 1.36 | 16.71 | 46.88 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 1@49 | DFT_16QAM | 15.32 | 1.36 | 16.68 | 46.56 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 50@0 | DFT_64QAM | 14 | 1.36 | 15.36 | 34.36 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 25@12 | DFT_64QAM | 14.06 | 1.36 | 15.42 | 34.83 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 1@1 | DFT_64QAM | 13.9 | 1.36 | 15.26 | 33.57 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 1@49 | DFT_64QAM | 13.93 | 1.36 | 15.29 | 33.81 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 50@0 | DFT_256QAM | 12 | 1.36 | 13.36 | 21.68 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 25@12 | DFT_256QAM | 12.07 | 1.36 | 13.43 | 22.03 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 1@1 | DFT_256QAM | 11.88 | 1.36 | 13.24 | 21.09 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 1@49 | DFT_256QAM | 11.95 | 1.36 | 13.31 | 21.43 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 51@0 | CP_QPSK | 13.52 | 1.36 | 14.88 | 30.76 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 25@12 | CP_QPSK | 15.13 | 1.36 | 16.49 | 44.57 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 1@1 | CP_QPSK | 14.98 | 1.36 | 16.34 | 43.05 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 1@49 | CP_QPSK | 15.02 | 1.36 | 16.38 | 43.45 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 51@0 | CP_16QAM | 13.55 | 1.36 | 14.91 | 30.97 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 25@12 | CP_16QAM | 14.66 | 1.36 | 16.02 | 39.99 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 1@1 | CP_16QAM | 14.51 | 1.36 | 15.87 | 38.64 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 1@49 | CP_16QAM | 14.52 | 1.36 | 15.88 | 38.73 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 51@0 | CP_64QAM | 13.08 | 1.36 | 14.44 | 27.8 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 25@12 | CP_64QAM | 13.1 | 1.36 | 14.46 | 27.93 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 1@1 | CP_64QAM | 12.73 | 1.36 | 14.09 | 25.64 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 1@49 | CP_64QAM | 12.82 | 1.36 | 14.18 | 26.18 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 51@0 | CP_256QAM | 10.08 | 1.36 | 11.44 | 13.93 | 1000 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| n77(3450-3550) | 30 | 20 | 630668 | 25@12 | CP_256QAM | 10.07 | 1.36 | 11.43 | 13.9 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 1@1 | CP_256QAM | 9.96 | 1.36 | 11.32 | 13.55 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 630668 | 1@49 | CP_256QAM | 10.02 | 1.36 | 11.38 | 13.74 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 50@0 | DFT_BPSK | 15.63 | 1.36 | 16.99 | 50 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 25@12 | DFT_BPSK | 16.67 | 1.36 | 18.03 | 63.53 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 1@1 | DFT_BPSK | 16.47 | 1.36 | 17.83 | 60.67 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 1@49 | DFT_BPSK | 16.57 | 1.36 | 17.93 | 62.09 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 50@0 | DFT_QPSK | 15.65 | 1.36 | 17.01 | 50.23 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 25@12 | DFT_QPSK | 16.71 | 1.36 | 18.07 | 64.12 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 1@1 | DFT_QPSK | 16.51 | 1.36 | 17.87 | 61.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 1@49 | DFT_QPSK | 16.6 | 1.36 | 17.96 | 62.52 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 50@0 | DFT_16QAM | 14.52 | 1.36 | 15.88 | 38.73 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 25@12 | DFT_16QAM | 15.62 | 1.36 | 16.98 | 49.89 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 1@1 | DFT_16QAM | 15.26 | 1.36 | 16.62 | 45.92 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 1@49 | DFT_16QAM | 15.46 | 1.36 | 16.82 | 48.08 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 50@0 | DFT_64QAM | 13.98 | 1.36 | 15.34 | 34.2 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 25@12 | DFT_64QAM | 14.03 | 1.36 | 15.39 | 34.59 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 1@1 | DFT_64QAM | 13.84 | 1.36 | 15.2 | 33.11 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 1@49 | DFT_64QAM | 13.96 | 1.36 | 15.32 | 34.04 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 50@0 | DFT_256QAM | 11.99 | 1.36 | 13.35 | 21.63 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 25@12 | DFT_256QAM | 12.02 | 1.36 | 13.38 | 21.78 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 1@1 | DFT_256QAM | 11.85 | 1.36 | 13.21 | 20.94 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 1@49 | DFT_256QAM | 11.96 | 1.36 | 13.32 | 21.48 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 51@0 | CP_QPSK | 13.53 | 1.36 | 14.89 | 30.83 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 25@12 | CP_QPSK | 15.22 | 1.36 | 16.58 | 45.5 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 1@1 | CP_QPSK | 15.01 | 1.36 | 16.37 | 43.35 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 1@49 | CP_QPSK | 15.16 | 1.36 | 16.52 | 44.87 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 51@0 | CP_16QAM | 13.51 | 1.36 | 14.87 | 30.69 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 25@12 | CP_16QAM | 14.66 | 1.36 | 16.02 | 39.99 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 1@1 | CP_16QAM | 14.51 | 1.36 | 15.87 | 38.64 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 1@49 | CP_16QAM | 14.58 | 1.36 | 15.94 | 39.26 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 51@0 | CP_64QAM | 13.65 | 1.36 | 15.01 | 31.7 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 25@12 | CP_64QAM | 13.09 | 1.36 | 14.45 | 27.86 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 1@1 | CP_64QAM | 12.75 | 1.36 | 14.11 | 25.76 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 1@49 | CP_64QAM | 12.8 | 1.36 | 14.16 | 26.06 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 51@0 | CP_256QAM | 9.99 | 1.36 | 11.35 | 13.65 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 25@12 | CP_256QAM | 10.06 | 1.36 | 11.42 | 13.87 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 1@1 | CP_256QAM | 9.97 | 1.36 | 11.33 | 13.58 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 633334 | 1@49 | CP_256QAM | 10.06 | 1.36 | 11.42 | 13.87 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 50@0 | DFT_BPSK | 15.69 | 1.36 | 17.05 | 50.7 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 25@12 | DFT_BPSK | 16.77 | 1.36 | 18.13 | 65.01 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 1@1 | DFT_BPSK | 16.74 | 1.36 | 18.1 | 64.57 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 1@49 | DFT_BPSK | 16.64 | 1.36 | 18 | 63.1 | 1000 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| n77(3450-3550) | 30 | 20 | 636000 | 50@0 | DFT_QPSK | 15.79 | 1.36 | 17.15 | 51.88 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 25@12 | DFT_QPSK | 16.82 | 1.36 | 18.18 | 65.77 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 1@1 | DFT_QPSK | 16.7 | 1.36 | 18.06 | 63.97 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 1@49 | DFT_QPSK | 16.67 | 1.36 | 18.03 | 63.53 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 50@0 | DFT_16QAM | 14.7 | 1.36 | 16.06 | 40.36 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 25@12 | DFT_16QAM | 15.15 | 1.36 | 16.51 | 44.77 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 1@1 | DFT_16QAM | 15.55 | 1.36 | 16.91 | 49.09 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 1@49 | DFT_16QAM | 15.5 | 1.36 | 16.86 | 48.53 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 50@0 | DFT_64QAM | 14.14 | 1.36 | 15.5 | 35.48 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 25@12 | DFT_64QAM | 14.22 | 1.36 | 15.58 | 36.14 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 1@1 | DFT_64QAM | 14.1 | 1.36 | 15.46 | 35.16 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 1@49 | DFT_64QAM | 14.02 | 1.36 | 15.38 | 34.51 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 50@0 | DFT_256QAM | 12.14 | 1.36 | 13.5 | 22.39 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 25@12 | DFT_256QAM | 12.19 | 1.36 | 13.55 | 22.65 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 1@1 | DFT_256QAM | 12.08 | 1.36 | 13.44 | 22.08 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 1@49 | DFT_256QAM | 12.03 | 1.36 | 13.39 | 21.83 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 51@0 | CP_QPSK | 13.67 | 1.36 | 15.03 | 31.84 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 25@12 | CP_QPSK | 15.24 | 1.36 | 16.6 | 45.71 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 1@1 | CP_QPSK | 15.23 | 1.36 | 16.59 | 45.6 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 1@49 | CP_QPSK | 15.13 | 1.36 | 16.49 | 44.57 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 51@0 | CP_16QAM | 13.69 | 1.36 | 15.05 | 31.99 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 25@12 | CP_16QAM | 14.84 | 1.36 | 16.2 | 41.69 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 1@1 | CP_16QAM | 14.77 | 1.36 | 16.13 | 41.02 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 1@49 | CP_16QAM | 14.73 | 1.36 | 16.09 | 40.64 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 51@0 | CP_64QAM | 13.18 | 1.36 | 14.54 | 28.44 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 25@12 | CP_64QAM | 13.34 | 1.36 | 14.7 | 29.51 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 1@1 | CP_64QAM | 12.94 | 1.36 | 14.3 | 26.92 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 1@49 | CP_64QAM | 12.83 | 1.36 | 14.19 | 26.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 51@0 | CP_256QAM | 10.18 | 1.36 | 11.54 | 14.26 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 25@12 | CP_256QAM | 10.22 | 1.36 | 11.58 | 14.39 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 1@1 | CP_256QAM | 10.18 | 1.36 | 11.54 | 14.26 | 1000 | PASS |
| n77(3450-3550) | 30 | 20 | 636000 | 1@49 | CP_256QAM | 10.13 | 1.36 | 11.49 | 14.09 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 100@0 | DFT_BPSK | 15.93 | 1.36 | 17.29 | 53.58 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 50@25 | DFT_BPSK | 16.44 | 1.36 | 17.8 | 60.26 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 1@1 | DFT_BPSK | 16.4 | 1.36 | 17.76 | 59.7 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 1@104 | DFT_BPSK | 16.32 | 1.36 | 17.68 | 58.61 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 100@0 | DFT_QPSK | 15.45 | 1.36 | 16.81 | 47.97 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 50@25 | DFT_QPSK | 16.4 | 1.36 | 17.76 | 59.7 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 1@1 | DFT_QPSK | 16.39 | 1.36 | 17.75 | 59.57 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 1@104 | DFT_QPSK | 16.33 | 1.36 | 17.69 | 58.75 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 100@0 | DFT_16QAM | 14.35 | 1.36 | 15.71 | 37.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 50@25 | DFT_16QAM | 15.42 | 1.36 | 16.78 | 47.64 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 1@1 | DFT_16QAM | 15.23 | 1.36 | 16.59 | 45.6 | 1000 | PASS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n77(3450-3550) | 30 | 40 | 631334 | 1@104 | DFT_16QAM | 15.16 | 1.36 | 16.52 | 44.87 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 100@0 | DFT_64QAM | 13.83 | 1.36 | 15.19 | 33.04 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 50@25 | DFT_64QAM | 13.87 | 1.36 | 15.23 | 33.34 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 1@1 | DFT_64QAM | 13.77 | 1.36 | 15.13 | 32.58 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 1@104 | DFT_64QAM | 13.67 | 1.36 | 15.03 | 31.84 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 100@0 | DFT_256QAM | 11.84 | 1.36 | 13.2 | 20.89 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 50@25 | DFT_256QAM | 11.86 | 1.36 | 13.22 | 20.99 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 1@1 | DFT_256QAM | 11.79 | 1.36 | 13.15 | 20.65 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 1@104 | DFT_256QAM | 11.67 | 1.36 | 13.03 | 20.09 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 106@0 | CP_QPSK | 13.36 | 1.36 | 14.72 | 29.65 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 53@26 | CP_QPSK | 14.93 | 1.36 | 16.29 | 42.56 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 1@1 | CP_QPSK | 14.94 | 1.36 | 16.3 | 42.66 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 1@104 | CP_QPSK | 14.85 | 1.36 | 16.21 | 41.78 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 106@0 | CP_16QAM | 13.41 | 1.36 | 14.77 | 29.99 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 53@26 | CP_16QAM | 14.38 | 1.36 | 15.74 | 37.5 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 1@1 | CP_16QAM | 14.37 | 1.36 | 15.73 | 37.41 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 1@104 | CP_16QAM | 14.23 | 1.36 | 15.59 | 36.22 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 106@0 | CP_64QAM | 12.86 | 1.36 | 14.22 | 26.42 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 53@26 | CP_64QAM | 12.91 | 1.36 | 14.27 | 26.73 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 1@1 | CP_64QAM | 12.6 | 1.36 | 13.96 | 24.89 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 1@104 | CP_64QAM | 12.5 | 1.36 | 13.86 | 24.32 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 106@0 | CP_256QAM | 9.83 | 1.36 | 11.19 | 13.15 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 53@26 | CP_256QAM | 9.89 | 1.36 | 11.25 | 13.34 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 1@1 | CP_256QAM | 9.89 | 1.36 | 11.25 | 13.34 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 631334 | 1@104 | CP_256QAM | 9.76 | 1.36 | 11.12 | 12.94 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 100@0 | DFT_BPSK | 15.94 | 1.36 | 17.3 | 53.7 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 50@25 | DFT_BPSK | 16.52 | 1.36 | 17.88 | 61.38 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 1@1 | DFT_BPSK | 16.35 | 1.36 | 17.71 | 59.02 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 1@104 | DFT_BPSK | 16.46 | 1.36 | 17.82 | 60.53 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 100@0 | DFT_QPSK | 15.49 | 1.36 | 16.85 | 48.42 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 50@25 | DFT_QPSK | 16.48 | 1.36 | 17.84 | 60.81 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 1@1 | DFT_QPSK | 16.38 | 1.36 | 17.74 | 59.43 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 1@104 | DFT_QPSK | 16.47 | 1.36 | 17.83 | 60.67 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 100@0 | DFT_16QAM | 14.43 | 1.36 | 15.79 | 37.93 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 50@25 | DFT_16QAM | 15.47 | 1.36 | 16.83 | 48.19 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 1@1 | DFT_16QAM | 15.23 | 1.36 | 16.59 | 45.6 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 1@104 | DFT_16QAM | 15.32 | 1.36 | 16.68 | 46.56 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 100@0 | DFT_64QAM | 13.88 | 1.36 | 15.24 | 33.42 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 50@25 | DFT_64QAM | 13.94 | 1.36 | 15.3 | 33.88 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 1@1 | DFT_64QAM | 13.72 | 1.36 | 15.08 | 32.21 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 1@104 | DFT_64QAM | 13.8 | 1.36 | 15.16 | 32.81 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 100@0 | DFT_256QAM | 11.9 | 1.36 | 13.26 | 21.18 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 50@25 | DFT_256QAM | 11.89 | 1.36 | 13.25 | 21.13 | 1000 | PASS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n77(3450-3550) | 30 | 40 | 633334 | 1@1 | DFT_256QAM | 11.73 | 1.36 | 13.09 | 20.37 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 1@104 | DFT_256QAM | 11.79 | 1.36 | 13.15 | 20.65 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 106@0 | CP_QPSK | 13.4 | 1.36 | 14.76 | 29.92 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 53@26 | CP_QPSK | 15.01 | 1.36 | 16.37 | 43.35 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 1@1 | CP_QPSK | 14.94 | 1.36 | 16.3 | 42.66 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 1@104 | CP_QPSK | 15.01 | 1.36 | 16.37 | 43.35 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 106@0 | CP_16QAM | 13.44 | 1.36 | 14.8 | 30.2 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 53@26 | CP_16QAM | 14.44 | 1.36 | 15.8 | 38.02 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 1@1 | CP_16QAM | 14.27 | 1.36 | 15.63 | 36.56 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 1@104 | CP_16QAM | 14.37 | 1.36 | 15.73 | 37.41 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 106@0 | CP_64QAM | 12.92 | 1.36 | 14.28 | 26.79 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 53@26 | CP_64QAM | 12.94 | 1.36 | 14.3 | 26.92 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 1@1 | CP_64QAM | 12.57 | 1.36 | 13.93 | 24.72 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 1@104 | CP_64QAM | 12.66 | 1.36 | 14.02 | 25.23 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 106@0 | CP_256QAM | 9.86 | 1.36 | 11.22 | 13.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 53@26 | CP_256QAM | 9.93 | 1.36 | 11.29 | 13.46 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 1@1 | CP_256QAM | 9.83 | 1.36 | 11.19 | 13.15 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 633334 | 1@104 | CP_256QAM | 9.87 | 1.36 | 11.23 | 13.27 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 100@0 | DFT_BPSK | 16.1 | 1.36 | 17.46 | 55.72 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 50@25 | DFT_BPSK | 16.63 | 1.36 | 17.99 | 62.95 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 1@1 | DFT_BPSK | 16.51 | 1.36 | 17.87 | 61.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 1@104 | DFT_BPSK | 16.47 | 1.36 | 17.83 | 60.67 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 100@0 | DFT_QPSK | 15.65 | 1.36 | 17.01 | 50.23 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 50@25 | DFT_QPSK | 16.6 | 1.36 | 17.96 | 62.52 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 1@1 | DFT_QPSK | 16.56 | 1.36 | 17.92 | 61.94 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 1@104 | DFT_QPSK | 16.45 | 1.36 | 17.81 | 60.39 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 100@0 | DFT_16QAM | 14.54 | 1.36 | 15.9 | 38.9 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 50@25 | DFT_16QAM | 15.58 | 1.36 | 16.94 | 49.43 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 1@1 | DFT_16QAM | 15.39 | 1.36 | 16.75 | 47.32 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 1@104 | DFT_16QAM | 15.31 | 1.36 | 16.67 | 46.45 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 100@0 | DFT_64QAM | 14.01 | 1.36 | 15.37 | 34.43 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 50@25 | DFT_64QAM | 14.03 | 1.36 | 15.39 | 34.59 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 1@1 | DFT_64QAM | 13.89 | 1.36 | 15.25 | 33.5 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 1@104 | DFT_64QAM | 13.84 | 1.36 | 15.2 | 33.11 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 100@0 | DFT_256QAM | 12.01 | 1.36 | 13.37 | 21.73 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 50@25 | DFT_256QAM | 12.03 | 1.36 | 13.39 | 21.83 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 1@1 | DFT_256QAM | 11.89 | 1.36 | 13.25 | 21.13 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 1@104 | DFT_256QAM | 11.83 | 1.36 | 13.19 | 20.84 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 106@0 | CP_QPSK | 13.51 | 1.36 | 14.87 | 30.69 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 53@26 | CP_QPSK | 15.12 | 1.36 | 16.48 | 44.46 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 1@1 | CP_QPSK | 15.07 | 1.36 | 16.43 | 43.95 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 1@104 | CP_QPSK | 14.96 | 1.36 | 16.32 | 42.85 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 106@0 | CP_16QAM | 13.56 | 1.36 | 14.92 | 31.05 | 1000 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| n77(3450-3550) | 30 | 40 | 635332 | 53@26 | CP_16QAM | 14.55 | 1.36 | 15.91 | 38.99 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 1@1 | CP_16QAM | 14.43 | 1.36 | 15.79 | 37.93 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 1@104 | CP_16QAM | 14.44 | 1.36 | 15.8 | 38.02 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 106@0 | CP_64QAM | 13.02 | 1.36 | 14.38 | 27.42 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 53@26 | CP_64QAM | 13.06 | 1.36 | 14.42 | 27.67 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 1@1 | CP_64QAM | 12.72 | 1.36 | 14.08 | 25.59 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 1@104 | CP_64QAM | 12.67 | 1.36 | 14.03 | 25.29 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 106@0 | CP_256QAM | 10.01 | 1.36 | 11.37 | 13.71 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 53@26 | CP_256QAM | 10.04 | 1.36 | 11.4 | 13.8 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 1@1 | CP_256QAM | 9.99 | 1.36 | 11.35 | 13.65 | 1000 | PASS |
| n77(3450-3550) | 30 | 40 | 635332 | 1@104 | CP_256QAM | 9.94 | 1.36 | 11.3 | 13.49 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 128@0 | DFT_BPSK | 15.87 | 1.36 | 17.23 | 52.84 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 64@32 | DFT_BPSK | 16.46 | 1.36 | 17.82 | 60.53 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 1@1 | DFT_BPSK | 16.38 | 1.36 | 17.74 | 59.43 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 1@131 | DFT_BPSK | 16.44 | 1.36 | 17.8 | 60.26 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 128@0 | DFT_QPSK | 15.5 | 1.36 | 16.86 | 48.53 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 64@32 | DFT_QPSK | 16.5 | 1.36 | 17.86 | 61.09 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 1@1 | DFT_QPSK | 16.39 | 1.36 | 17.75 | 59.57 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 1@131 | DFT_QPSK | 16.46 | 1.36 | 17.82 | 60.53 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 128@0 | DFT_16QAM | 14.42 | 1.36 | 15.78 | 37.84 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 64@32 | DFT_16QAM | 15.41 | 1.36 | 16.77 | 47.53 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 1@1 | DFT_16QAM | 15.25 | 1.36 | 16.61 | 45.81 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 1@131 | DFT_16QAM | 15.29 | 1.36 | 16.65 | 46.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 128@0 | DFT_64QAM | 13.92 | 1.36 | 15.28 | 33.73 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 64@32 | DFT_64QAM | 13.92 | 1.36 | 15.28 | 33.73 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 1@1 | DFT_64QAM | 13.7 | 1.36 | 15.06 | 32.06 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 1@131 | DFT_64QAM | 13.74 | 1.36 | 15.1 | 32.36 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 128@0 | DFT_256QAM | 11.9 | 1.36 | 13.26 | 21.18 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 64@32 | DFT_256QAM | 11.9 | 1.36 | 13.26 | 21.18 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 1@1 | DFT_256QAM | 11.73 | 1.36 | 13.09 | 20.37 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 1@131 | DFT_256QAM | 11.73 | 1.36 | 13.09 | 20.37 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 133@0 | CP_QPSK | 13.38 | 1.36 | 14.74 | 29.79 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 67@33 | CP_QPSK | 14.93 | 1.36 | 16.29 | 42.56 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 1@1 | CP_QPSK | 14.99 | 1.36 | 16.35 | 43.15 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 1@131 | CP_QPSK | 14.97 | 1.36 | 16.33 | 42.95 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 133@0 | CP_16QAM | 13.39 | 1.36 | 14.75 | 29.85 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 67@33 | CP_16QAM | 14.43 | 1.36 | 15.79 | 37.93 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 1@1 | CP_16QAM | 14.27 | 1.36 | 15.63 | 36.56 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 1@131 | CP_16QAM | 14.22 | 1.36 | 15.58 | 36.14 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 133@0 | CP_64QAM | 12.89 | 1.36 | 14.25 | 26.61 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 67@33 | CP_64QAM | 12.89 | 1.36 | 14.25 | 26.61 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 1@1 | CP_64QAM | 12.6 | 1.36 | 13.96 | 24.89 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 1@131 | CP_64QAM | 12.52 | 1.36 | 13.88 | 24.43 | 1000 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| n77(3450-3550) | 30 | 50 | 631668 | 133@0 | CP_256QAM | 9.88 | 1.36 | 11.24 | 13.3 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 67@33 | CP_256QAM | 9.87 | 1.36 | 11.23 | 13.27 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 1@1 | CP_256QAM | 9.82 | 1.36 | 11.18 | 13.12 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 631668 | 1@131 | CP_256QAM | 9.79 | 1.36 | 11.15 | 13.03 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 128@0 | DFT_BPSK | 16.01 | 1.36 | 17.37 | 54.58 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 64@32 | DFT_BPSK | 16.6 | 1.36 | 17.96 | 62.52 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 1@1 | DFT_BPSK | 16.42 | 1.36 | 17.78 | 59.98 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 1@131 | DFT_BPSK | 16.46 | 1.36 | 17.82 | 60.53 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 128@0 | DFT_QPSK | 15.51 | 1.36 | 16.87 | 48.64 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 64@32 | DFT_QPSK | 16.58 | 1.36 | 17.94 | 62.23 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 1@1 | DFT_QPSK | 16.42 | 1.36 | 17.78 | 59.98 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 1@131 | DFT_QPSK | 16.47 | 1.36 | 17.83 | 60.67 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 128@0 | DFT_16QAM | 14.48 | 1.36 | 15.84 | 38.37 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 64@32 | DFT_16QAM | 15.5 | 1.36 | 16.86 | 48.53 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 1@1 | DFT_16QAM | 15.3 | 1.36 | 16.66 | 46.34 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 1@131 | DFT_16QAM | 15.31 | 1.36 | 16.67 | 46.45 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 128@0 | DFT_64QAM | 13.96 | 1.36 | 15.32 | 34.04 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 64@32 | DFT_64QAM | 14 | 1.36 | 15.36 | 34.36 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 1@1 | DFT_64QAM | 13.73 | 1.36 | 15.09 | 32.28 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 1@131 | DFT_64QAM | 13.79 | 1.36 | 15.15 | 32.73 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 128@0 | DFT_256QAM | 11.97 | 1.36 | 13.33 | 21.53 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 64@32 | DFT_256QAM | 11.98 | 1.36 | 13.34 | 21.58 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 1@1 | DFT_256QAM | 11.74 | 1.36 | 13.1 | 20.42 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 1@131 | DFT_256QAM | 11.8 | 1.36 | 13.16 | 20.7 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 133@0 | CP_QPSK | 13.46 | 1.36 | 14.82 | 30.34 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 67@33 | CP_QPSK | 15.03 | 1.36 | 16.39 | 43.55 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 1@1 | CP_QPSK | 15.03 | 1.36 | 16.39 | 43.55 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 1@131 | CP_QPSK | 15.03 | 1.36 | 16.39 | 43.55 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 133@0 | CP_16QAM | 13.44 | 1.36 | 14.8 | 30.2 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 67@33 | CP_16QAM | 14.5 | 1.36 | 15.86 | 38.55 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 1@1 | CP_16QAM | 14.3 | 1.36 | 15.66 | 36.81 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 1@131 | CP_16QAM | 14.31 | 1.36 | 15.67 | 36.9 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 133@0 | CP_64QAM | 12.94 | 1.36 | 14.3 | 26.92 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 67@33 | CP_64QAM | 12.97 | 1.36 | 14.33 | 27.1 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 1@1 | CP_64QAM | 12.55 | 1.36 | 13.91 | 24.6 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 1@131 | CP_64QAM | 12.58 | 1.36 | 13.94 | 24.77 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 133@0 | CP_256QAM | 9.92 | 1.36 | 11.28 | 13.43 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 67@33 | CP_256QAM | 9.95 | 1.36 | 11.31 | 13.52 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 1@1 | CP_256QAM | 9.85 | 1.36 | 11.21 | 13.21 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 633334 | 1@131 | CP_256QAM | 9.87 | 1.36 | 11.23 | 13.27 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 128@0 | DFT_BPSK | 16.01 | 1.36 | 17.37 | 54.58 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 64@32 | DFT_BPSK | 16.59 | 1.36 | 17.95 | 62.37 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 1@1 | DFT_BPSK | 16.5 | 1.36 | 17.86 | 61.09 | 1000 | PASS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n77(3450-3550) | 30 | 50 | 635000 | 1@131 | DFT_BPSK | 16.45 | 1.36 | 17.81 | 60.39 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 128@0 | DFT_QPSK | 15.58 | 1.36 | 16.94 | 49.43 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 64@32 | DFT_QPSK | 16.57 | 1.36 | 17.93 | 62.09 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 1@1 | DFT_QPSK | 16.51 | 1.36 | 17.87 | 61.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 1@131 | DFT_QPSK | 16.41 | 1.36 | 17.77 | 59.84 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 128@0 | DFT_16QAM | 14.5 | 1.36 | 15.86 | 38.55 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 64@32 | DFT_16QAM | 15.5 | 1.36 | 16.86 | 48.53 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 1@1 | DFT_16QAM | 15.4 | 1.36 | 16.76 | 47.42 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 1@131 | DFT_16QAM | 15.24 | 1.36 | 16.6 | 45.71 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 128@0 | DFT_64QAM | 14.01 | 1.36 | 15.37 | 34.43 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 64@32 | DFT_64QAM | 14 | 1.36 | 15.36 | 34.36 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 1@1 | DFT_64QAM | 13.81 | 1.36 | 15.17 | 32.89 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 1@131 | DFT_64QAM | 13.72 | 1.36 | 15.08 | 32.21 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 128@0 | DFT_256QAM | 12 | 1.36 | 13.36 | 21.68 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 64@32 | DFT_256QAM | 11.98 | 1.36 | 13.34 | 21.58 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 1@1 | DFT_256QAM | 11.82 | 1.36 | 13.18 | 20.8 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 1@131 | DFT_256QAM | 11.76 | 1.36 | 13.12 | 20.51 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 133@0 | CP_QPSK | 13.46 | 1.36 | 14.82 | 30.34 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 67@33 | CP_QPSK | 15.04 | 1.36 | 16.4 | 43.65 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 1@1 | CP_QPSK | 15.07 | 1.36 | 16.43 | 43.95 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 1@131 | CP_QPSK | 15.04 | 1.36 | 16.4 | 43.65 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 133@0 | CP_16QAM | 13.47 | 1.36 | 14.83 | 30.41 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 67@33 | CP_16QAM | 14.51 | 1.36 | 15.87 | 38.64 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 1@1 | CP_16QAM | 14.37 | 1.36 | 15.73 | 37.41 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 1@131 | CP_16QAM | 14.31 | 1.36 | 15.67 | 36.9 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 133@0 | CP_64QAM | 12.94 | 1.36 | 14.3 | 26.92 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 67@33 | CP_64QAM | 13 | 1.36 | 14.36 | 27.29 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 1@1 | CP_64QAM | 12.64 | 1.36 | 14 | 25.12 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 1@131 | CP_64QAM | 12.55 | 1.36 | 13.91 | 24.6 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 133@0 | CP_256QAM | 9.93 | 1.36 | 11.29 | 13.46 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 67@33 | CP_256QAM | 9.95 | 1.36 | 11.31 | 13.52 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 1@1 | CP_256QAM | 9.86 | 1.36 | 11.22 | 13.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 50 | 635000 | 1@131 | CP_256QAM | 9.83 | 1.36 | 11.19 | 13.15 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 162@0 | DFT_BPSK | 15.96 | 1.36 | 17.32 | 53.95 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 81@40 | DFT_BPSK | 16.51 | 1.36 | 17.87 | 61.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 1@1 | DFT_BPSK | 16.38 | 1.36 | 17.74 | 59.43 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 1@160 | DFT_BPSK | 16.43 | 1.36 | 17.79 | 60.12 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 162@0 | DFT_QPSK | 15.5 | 1.36 | 16.86 | 48.53 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 81@40 | DFT_QPSK | 16.51 | 1.36 | 17.87 | 61.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 1@1 | DFT_QPSK | 16.4 | 1.36 | 17.76 | 59.7 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 1@160 | DFT_QPSK | 16.43 | 1.36 | 17.79 | 60.12 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 162@0 | DFT_16QAM | 14.4 | 1.36 | 15.76 | 37.67 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 81@40 | DFT_16QAM | 15.52 | 1.36 | 16.88 | 48.75 | 1000 | PASS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n77(3450-3550) | 30 | 60 | 632000 | 1@1 | DFT_16QAM | 15.23 | 1.36 | 16.59 | 45.6 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 1@160 | DFT_16QAM | 15.26 | 1.36 | 16.62 | 45.92 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 162@0 | DFT_64QAM | 13.92 | 1.36 | 15.28 | 33.73 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 81@40 | DFT_64QAM | 13.94 | 1.36 | 15.3 | 33.88 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 1@1 | DFT_64QAM | 13.78 | 1.36 | 15.14 | 32.66 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 1@160 | DFT_64QAM | 13.77 | 1.36 | 15.13 | 32.58 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 162@0 | DFT_256QAM | 11.9 | 1.36 | 13.26 | 21.18 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 81@40 | DFT_256QAM | 11.91 | 1.36 | 13.27 | 21.23 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 1@1 | DFT_256QAM | 11.8 | 1.36 | 13.16 | 20.7 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 1@160 | DFT_256QAM | 11.79 | 1.36 | 13.15 | 20.65 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 162@0 | CP_QPSK | 13.42 | 1.36 | 14.78 | 30.06 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 81@40 | CP_QPSK | 14.97 | 1.36 | 16.33 | 42.95 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 1@1 | CP_QPSK | 14.94 | 1.36 | 16.3 | 42.66 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 1@160 | CP_QPSK | 14.95 | 1.36 | 16.31 | 42.76 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 162@0 | CP_16QAM | 13.4 | 1.36 | 14.76 | 29.92 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 81@40 | CP_16QAM | 14.42 | 1.36 | 15.78 | 37.84 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 1@1 | CP_16QAM | 14.28 | 1.36 | 15.64 | 36.64 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 1@160 | CP_16QAM | 14.26 | 1.36 | 15.62 | 36.48 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 162@0 | CP_64QAM | 12.9 | 1.36 | 14.26 | 26.67 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 81@40 | CP_64QAM | 12.9 | 1.36 | 14.26 | 26.67 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 1@1 | CP_64QAM | 12.59 | 1.36 | 13.95 | 24.83 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 1@160 | CP_64QAM | 12.56 | 1.36 | 13.92 | 24.66 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 162@0 | CP_256QAM | 9.92 | 1.36 | 11.28 | 13.43 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 81@40 | CP_256QAM | 9.88 | 1.36 | 11.24 | 13.3 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 1@1 | CP_256QAM | 9.88 | 1.36 | 11.24 | 13.3 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 632000 | 1@160 | CP_256QAM | 9.84 | 1.36 | 11.2 | 13.18 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 162@0 | DFT_BPSK | 15.95 | 1.36 | 17.31 | 53.83 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 81@40 | DFT_BPSK | 16.56 | 1.36 | 17.92 | 61.94 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 1@1 | DFT_BPSK | 16.4 | 1.36 | 17.76 | 59.7 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 1@160 | DFT_BPSK | 16.45 | 1.36 | 17.81 | 60.39 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 162@0 | DFT_QPSK | 15.5 | 1.36 | 16.86 | 48.53 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 81@40 | DFT_QPSK | 16.58 | 1.36 | 17.94 | 62.23 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 1@1 | DFT_QPSK | 16.42 | 1.36 | 17.78 | 59.98 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 1@160 | DFT_QPSK | 16.48 | 1.36 | 17.84 | 60.81 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 162@0 | DFT_16QAM | 14.42 | 1.36 | 15.78 | 37.84 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 81@40 | DFT_16QAM | 15.59 | 1.36 | 16.95 | 49.55 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 1@1 | DFT_16QAM | 15.27 | 1.36 | 16.63 | 46.03 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 1@160 | DFT_16QAM | 15.28 | 1.36 | 16.64 | 46.13 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 162@0 | DFT_64QAM | 13.93 | 1.36 | 15.29 | 33.81 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 81@40 | DFT_64QAM | 13.97 | 1.36 | 15.33 | 34.12 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 1@1 | DFT_64QAM | 13.75 | 1.36 | 15.11 | 32.43 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 1@160 | DFT_64QAM | 13.78 | 1.36 | 15.14 | 32.66 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 162@0 | DFT_256QAM | 11.93 | 1.36 | 13.29 | 21.33 | 1000 | PASS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n77(3450-3550) | 30 | 60 | 633334 | 81@40 | DFT_256QAM | 11.94 | 1.36 | 13.3 | 21.38 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 1@1 | DFT_256QAM | 11.76 | 1.36 | 13.12 | 20.51 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 1@160 | DFT_256QAM | 11.81 | 1.36 | 13.17 | 20.75 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 162@0 | CP_QPSK | 13.4 | 1.36 | 14.76 | 29.92 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 81@40 | CP_QPSK | 15.06 | 1.36 | 16.42 | 43.85 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 1@1 | CP_QPSK | 14.95 | 1.36 | 16.31 | 42.76 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 1@160 | CP_QPSK | 15.02 | 1.36 | 16.38 | 43.45 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 162@0 | CP_16QAM | 13.41 | 1.36 | 14.77 | 29.99 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 81@40 | CP_16QAM | 14.48 | 1.36 | 15.84 | 38.37 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 1@1 | CP_16QAM | 14.26 | 1.36 | 15.62 | 36.48 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 1@160 | CP_16QAM | 14.28 | 1.36 | 15.64 | 36.64 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 162@0 | CP_64QAM | 12.92 | 1.36 | 14.28 | 26.79 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 81@40 | CP_64QAM | 12.95 | 1.36 | 14.31 | 26.98 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 1@1 | CP_64QAM | 12.61 | 1.36 | 13.97 | 24.95 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 1@160 | CP_64QAM | 12.6 | 1.36 | 13.96 | 24.89 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 162@0 | CP_256QAM | 9.94 | 1.36 | 11.3 | 13.49 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 81@40 | CP_256QAM | 9.9 | 1.36 | 11.26 | 13.37 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 1@1 | CP_256QAM | 9.86 | 1.36 | 11.22 | 13.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 633334 | 1@160 | CP_256QAM | 9.88 | 1.36 | 11.24 | 13.3 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 162@0 | DFT_BPSK | 16.05 | 1.36 | 17.41 | 55.08 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 81@40 | DFT_BPSK | 16.58 | 1.36 | 17.94 | 62.23 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 1@1 | DFT_BPSK | 16.38 | 1.36 | 17.74 | 59.43 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 1@160 | DFT_BPSK | 16.35 | 1.36 | 17.71 | 59.02 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 162@0 | DFT_QPSK | 15.57 | 1.36 | 16.93 | 49.32 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 81@40 | DFT_QPSK | 16.57 | 1.36 | 17.93 | 62.09 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 1@1 | DFT_QPSK | 16.36 | 1.36 | 17.72 | 59.16 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 1@160 | DFT_QPSK | 16.4 | 1.36 | 17.76 | 59.7 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 162@0 | DFT_16QAM | 14.44 | 1.36 | 15.8 | 38.02 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 81@40 | DFT_16QAM | 15.59 | 1.36 | 16.95 | 49.55 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 1@1 | DFT_16QAM | 15.18 | 1.36 | 16.54 | 45.08 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 1@160 | DFT_16QAM | 15.21 | 1.36 | 16.57 | 45.39 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 162@0 | DFT_64QAM | 13.94 | 1.36 | 15.3 | 33.88 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 81@40 | DFT_64QAM | 14.04 | 1.36 | 15.4 | 34.67 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 1@1 | DFT_64QAM | 13.72 | 1.36 | 15.08 | 32.21 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 1@160 | DFT_64QAM | 13.73 | 1.36 | 15.09 | 32.28 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 162@0 | DFT_256QAM | 11.93 | 1.36 | 13.29 | 21.33 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 81@40 | DFT_256QAM | 12 | 1.36 | 13.36 | 21.68 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 1@1 | DFT_256QAM | 11.73 | 1.36 | 13.09 | 20.37 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 1@160 | DFT_256QAM | 11.74 | 1.36 | 13.1 | 20.42 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 162@0 | CP_QPSK | 13.42 | 1.36 | 14.78 | 30.06 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 81@40 | CP_QPSK | 15.01 | 1.36 | 16.37 | 43.35 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 1@1 | CP_QPSK | 14.9 | 1.36 | 16.26 | 42.27 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 1@160 | CP_QPSK | 14.95 | 1.36 | 16.31 | 42.76 | 1000 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| n77(3450-3550) | 30 | 60 | 634666 | 162@0 | CP_16QAM | 13.41 | 1.36 | 14.77 | 29.99 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 81@40 | CP_16QAM | 14.5 | 1.36 | 15.86 | 38.55 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 1@1 | CP_16QAM | 14.24 | 1.36 | 15.6 | 36.31 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 1@160 | CP_16QAM | 14.26 | 1.36 | 15.62 | 36.48 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 162@0 | CP_64QAM | 12.93 | 1.36 | 14.29 | 26.85 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 81@40 | CP_64QAM | 12.99 | 1.36 | 14.35 | 27.23 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 1@1 | CP_64QAM | 12.56 | 1.36 | 13.92 | 24.66 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 1@160 | CP_64QAM | 12.51 | 1.36 | 13.87 | 24.38 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 162@0 | CP_256QAM | 9.91 | 1.36 | 11.27 | 13.4 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 81@40 | CP_256QAM | 9.97 | 1.36 | 11.33 | 13.58 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 1@1 | CP_256QAM | 9.79 | 1.36 | 11.15 | 13.03 | 1000 | PASS |
| n77(3450-3550) | 30 | 60 | 634666 | 1@160 | CP_256QAM | 9.78 | 1.36 | 11.14 | 13 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 180@0 | DFT_BPSK | 16.14 | 1.36 | 17.5 | 56.23 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 90@45 | DFT_BPSK | 16.63 | 1.36 | 17.99 | 62.95 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 1@1 | DFT_BPSK | 16.53 | 1.36 | 17.89 | 61.52 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 1@187 | DFT_BPSK | 16.53 | 1.36 | 17.89 | 61.52 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 180@0 | DFT_QPSK | 15.67 | 1.36 | 17.03 | 50.47 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 90@45 | DFT_QPSK | 16.65 | 1.36 | 18.01 | 63.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 1@1 | DFT_QPSK | 16.55 | 1.36 | 17.91 | 61.8 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 1@187 | DFT_QPSK | 16.54 | 1.36 | 17.9 | 61.66 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 180@0 | DFT_16QAM | 14.53 | 1.36 | 15.89 | 38.82 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 90@45 | DFT_16QAM | 15.63 | 1.36 | 16.99 | 50 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 1@1 | DFT_16QAM | 15.4 | 1.36 | 16.76 | 47.42 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 1@187 | DFT_16QAM | 15.37 | 1.36 | 16.73 | 47.1 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 180@0 | DFT_64QAM | 14.02 | 1.36 | 15.38 | 34.51 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 90@45 | DFT_64QAM | 14.03 | 1.36 | 15.39 | 34.59 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 1@1 | DFT_64QAM | 13.86 | 1.36 | 15.22 | 33.27 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 1@187 | DFT_64QAM | 13.86 | 1.36 | 15.22 | 33.27 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 180@0 | DFT_256QAM | 12.02 | 1.36 | 13.38 | 21.78 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 90@45 | DFT_256QAM | 11.99 | 1.36 | 13.35 | 21.63 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 1@1 | DFT_256QAM | 11.89 | 1.36 | 13.25 | 21.13 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 1@187 | DFT_256QAM | 11.85 | 1.36 | 13.21 | 20.94 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 189@0 | CP_QPSK | 13.54 | 1.36 | 14.9 | 30.9 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 95@47 | CP_QPSK | 15.14 | 1.36 | 16.5 | 44.67 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 1@1 | CP_QPSK | 15.07 | 1.36 | 16.43 | 43.95 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 1@187 | CP_QPSK | 15.04 | 1.36 | 16.4 | 43.65 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 189@0 | CP_16QAM | 13.52 | 1.36 | 14.88 | 30.76 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 95@47 | CP_16QAM | 14.54 | 1.36 | 15.9 | 38.9 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 1@1 | CP_16QAM | 14.4 | 1.36 | 15.76 | 37.67 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 1@187 | CP_16QAM | 14.43 | 1.36 | 15.79 | 37.93 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 189@0 | CP_64QAM | 13.03 | 1.36 | 14.39 | 27.48 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 95@47 | CP_64QAM | 13 | 1.36 | 14.36 | 27.29 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 1@1 | CP_64QAM | 12.7 | 1.36 | 14.06 | 25.47 | 1000 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| n77(3450-3550) | 30 | 70 | 632334 | 1@187 | CP_64QAM | 12.7 | 1.36 | 14.06 | 25.47 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 189@0 | CP_256QAM | 10 | 1.36 | 11.36 | 13.68 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 95@47 | CP_256QAM | 9.99 | 1.36 | 11.35 | 13.65 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 1@1 | CP_256QAM | 9.93 | 1.36 | 11.29 | 13.46 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 632334 | 1@187 | CP_256QAM | 9.91 | 1.36 | 11.27 | 13.4 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 180@0 | DFT_BPSK | 16.17 | 1.36 | 17.53 | 56.62 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 90@45 | DFT_BPSK | 16.73 | 1.36 | 18.09 | 64.42 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 1@1 | DFT_BPSK | 16.59 | 1.36 | 17.95 | 62.37 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 1@187 | DFT_BPSK | 16.57 | 1.36 | 17.93 | 62.09 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 180@0 | DFT_QPSK | 15.71 | 1.36 | 17.07 | 50.93 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 90@45 | DFT_QPSK | 16.76 | 1.36 | 18.12 | 64.86 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 1@1 | DFT_QPSK | 16.66 | 1.36 | 18.02 | 63.39 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 1@187 | DFT_QPSK | 16.62 | 1.36 | 17.98 | 62.81 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 180@0 | DFT_16QAM | 14.61 | 1.36 | 15.97 | 39.54 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 90@45 | DFT_16QAM | 15.7 | 1.36 | 17.06 | 50.82 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 1@1 | DFT_16QAM | 15.47 | 1.36 | 16.83 | 48.19 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 1@187 | DFT_16QAM | 15.46 | 1.36 | 16.82 | 48.08 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 180@0 | DFT_64QAM | 14.1 | 1.36 | 15.46 | 35.16 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 90@45 | DFT_64QAM | 14.1 | 1.36 | 15.46 | 35.16 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 1@1 | DFT_64QAM | 13.94 | 1.36 | 15.3 | 33.88 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 1@187 | DFT_64QAM | 13.94 | 1.36 | 15.3 | 33.88 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 180@0 | DFT_256QAM | 12.07 | 1.36 | 13.43 | 22.03 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 90@45 | DFT_256QAM | 12.09 | 1.36 | 13.45 | 22.13 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 1@1 | DFT_256QAM | 11.96 | 1.36 | 13.32 | 21.48 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 1@187 | DFT_256QAM | 11.94 | 1.36 | 13.3 | 21.38 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 189@0 | CP_QPSK | 13.58 | 1.36 | 14.94 | 31.19 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 95@47 | CP_QPSK | 15.17 | 1.36 | 16.53 | 44.98 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 1@1 | CP_QPSK | 15.21 | 1.36 | 16.57 | 45.39 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 1@187 | CP_QPSK | 15.05 | 1.36 | 16.41 | 43.75 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 189@0 | CP_16QAM | 13.58 | 1.36 | 14.94 | 31.19 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 95@47 | CP_16QAM | 14.66 | 1.36 | 16.02 | 39.99 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 1@1 | CP_16QAM | 14.51 | 1.36 | 15.87 | 38.64 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 1@187 | CP_16QAM | 14.5 | 1.36 | 15.86 | 38.55 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 189@0 | CP_64QAM | 13.08 | 1.36 | 14.44 | 27.8 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 95@47 | CP_64QAM | 13.1 | 1.36 | 14.46 | 27.93 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 1@1 | CP_64QAM | 12.83 | 1.36 | 14.19 | 26.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 1@187 | CP_64QAM | 12.78 | 1.36 | 14.14 | 25.94 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 189@0 | CP_256QAM | 10.05 | 1.36 | 11.41 | 13.84 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 95@47 | CP_256QAM | 10.07 | 1.36 | 11.43 | 13.9 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 1@1 | CP_256QAM | 10.02 | 1.36 | 11.38 | 13.74 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 633334 | 1@187 | CP_256QAM | 9.99 | 1.36 | 11.35 | 13.65 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 180@0 | DFT_BPSK | 16.28 | 1.36 | 17.64 | 58.08 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 90@45 | DFT_BPSK | 16.78 | 1.36 | 18.14 | 65.16 | 1000 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| n77(3450-3550) | 30 | 70 | 634332 | 1@1 | DFT_BPSK | 16.61 | 1.36 | 17.97 | 62.66 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 1@187 | DFT_BPSK | 16.52 | 1.36 | 17.88 | 61.38 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 180@0 | DFT_QPSK | 15.78 | 1.36 | 17.14 | 51.76 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 90@45 | DFT_QPSK | 16.77 | 1.36 | 18.13 | 65.01 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 1@1 | DFT_QPSK | 16.57 | 1.36 | 17.93 | 62.09 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 1@187 | DFT_QPSK | 16.51 | 1.36 | 17.87 | 61.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 180@0 | DFT_16QAM | 14.64 | 1.36 | 16 | 39.81 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 90@45 | DFT_16QAM | 15.77 | 1.36 | 17.13 | 51.64 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 1@1 | DFT_16QAM | 15.41 | 1.36 | 16.77 | 47.53 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 1@187 | DFT_16QAM | 15.36 | 1.36 | 16.72 | 46.99 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 180@0 | DFT_64QAM | 14.15 | 1.36 | 15.51 | 35.56 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 90@45 | DFT_64QAM | 14.18 | 1.36 | 15.54 | 35.81 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 1@1 | DFT_64QAM | 13.92 | 1.36 | 15.28 | 33.73 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 1@187 | DFT_64QAM | 13.85 | 1.36 | 15.21 | 33.19 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 180@0 | DFT_256QAM | 12.13 | 1.36 | 13.49 | 22.34 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 90@45 | DFT_256QAM | 12.17 | 1.36 | 13.53 | 22.54 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 1@1 | DFT_256QAM | 11.94 | 1.36 | 13.3 | 21.38 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 1@187 | DFT_256QAM | 11.85 | 1.36 | 13.21 | 20.94 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 189@0 | CP_QPSK | 13.61 | 1.36 | 14.97 | 31.41 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 95@47 | CP_QPSK | 15.25 | 1.36 | 16.61 | 45.81 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 1@1 | CP_QPSK | 15.13 | 1.36 | 16.49 | 44.57 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 1@187 | CP_QPSK | 15.03 | 1.36 | 16.39 | 43.55 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 189@0 | CP_16QAM | 13.6 | 1.36 | 14.96 | 31.33 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 95@47 | CP_16QAM | 14.7 | 1.36 | 16.06 | 40.36 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 1@1 | CP_16QAM | 14.38 | 1.36 | 15.74 | 37.5 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 1@187 | CP_16QAM | 14.42 | 1.36 | 15.78 | 37.84 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 189@0 | CP_64QAM | 13.11 | 1.36 | 14.47 | 27.99 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 95@47 | CP_64QAM | 13.15 | 1.36 | 14.51 | 28.25 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 1@1 | CP_64QAM | 12.76 | 1.36 | 14.12 | 25.82 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 1@187 | CP_64QAM | 12.72 | 1.36 | 14.08 | 25.59 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 189@0 | CP_256QAM | 10.11 | 1.36 | 11.47 | 14.03 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 95@47 | CP_256QAM | 10.11 | 1.36 | 11.47 | 14.03 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 1@1 | CP_256QAM | 9.96 | 1.36 | 11.32 | 13.55 | 1000 | PASS |
| n77(3450-3550) | 30 | 70 | 634332 | 1@187 | CP_256QAM | 9.95 | 1.36 | 11.31 | 13.52 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 216@0 | DFT_BPSK | 16.2 | 1.36 | 17.56 | 57.02 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 108@54 | DFT_BPSK | 16.7 | 1.36 | 18.06 | 63.97 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 1@1 | DFT_BPSK | 16.62 | 1.36 | 17.98 | 62.81 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 1@215 | DFT_BPSK | 16.6 | 1.36 | 17.96 | 62.52 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 216@0 | DFT_QPSK | 15.69 | 1.36 | 17.05 | 50.7 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 108@54 | DFT_QPSK | 16.74 | 1.36 | 18.1 | 64.57 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 1@1 | DFT_QPSK | 16.68 | 1.36 | 18.04 | 63.68 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 1@215 | DFT_QPSK | 16.59 | 1.36 | 17.95 | 62.37 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 216@0 | DFT_16QAM | 14.56 | 1.36 | 15.92 | 39.08 | 1000 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| n77(3450-3550) | 30 | 80 | 632668 | 108@54 | DFT_16QAM | 15.73 | 1.36 | 17.09 | 51.17 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 1@1 | DFT_16QAM | 15.54 | 1.36 | 16.9 | 48.98 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 1@215 | DFT_16QAM | 15.42 | 1.36 | 16.78 | 47.64 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 216@0 | DFT_64QAM | 14.06 | 1.36 | 15.42 | 34.83 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 108@54 | DFT_64QAM | 14.12 | 1.36 | 15.48 | 35.32 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 1@1 | DFT_64QAM | 13.97 | 1.36 | 15.33 | 34.12 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 1@215 | DFT_64QAM | 13.89 | 1.36 | 15.25 | 33.5 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 216@0 | DFT_256QAM | 12.09 | 1.36 | 13.45 | 22.13 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 108@54 | DFT_256QAM | 12.07 | 1.36 | 13.43 | 22.03 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 1@1 | DFT_256QAM | 11.94 | 1.36 | 13.3 | 21.38 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 1@215 | DFT_256QAM | 11.88 | 1.36 | 13.24 | 21.09 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 217@0 | CP_QPSK | 13.55 | 1.36 | 14.91 | 30.97 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 109@54 | CP_QPSK | 15.21 | 1.36 | 16.57 | 45.39 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 1@1 | CP_QPSK | 15.19 | 1.36 | 16.55 | 45.19 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 1@215 | CP_QPSK | 15.17 | 1.36 | 16.53 | 44.98 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 217@0 | CP_16QAM | 13.59 | 1.36 | 14.95 | 31.26 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 109@54 | CP_16QAM | 14.59 | 1.36 | 15.95 | 39.36 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 1@1 | CP_16QAM | 14.46 | 1.36 | 15.82 | 38.19 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 1@215 | CP_16QAM | 14.41 | 1.36 | 15.77 | 37.76 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 217@0 | CP_64QAM | 13.04 | 1.36 | 14.4 | 27.54 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 109@54 | CP_64QAM | 13.06 | 1.36 | 14.42 | 27.67 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 1@1 | CP_64QAM | 12.78 | 1.36 | 14.14 | 25.94 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 1@215 | CP_64QAM | 12.71 | 1.36 | 14.07 | 25.53 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 217@0 | CP_256QAM | 10.04 | 1.36 | 11.4 | 13.8 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 109@54 | CP_256QAM | 10.05 | 1.36 | 11.41 | 13.84 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 1@1 | CP_256QAM | 10 | 1.36 | 11.36 | 13.68 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 632668 | 1@215 | CP_256QAM | 9.96 | 1.36 | 11.32 | 13.55 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 216@0 | DFT_BPSK | 16.18 | 1.36 | 17.54 | 56.75 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 108@54 | DFT_BPSK | 16.75 | 1.36 | 18.11 | 64.71 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 1@1 | DFT_BPSK | 16.64 | 1.36 | 18 | 63.1 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 1@215 | DFT_BPSK | 16.57 | 1.36 | 17.93 | 62.09 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 216@0 | DFT_QPSK | 15.67 | 1.36 | 17.03 | 50.47 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 108@54 | DFT_QPSK | 16.74 | 1.36 | 18.1 | 64.57 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 1@1 | DFT_QPSK | 16.66 | 1.36 | 18.02 | 63.39 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 1@215 | DFT_QPSK | 16.55 | 1.36 | 17.91 | 61.8 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 216@0 | DFT_16QAM | 14.6 | 1.36 | 15.96 | 39.45 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 108@54 | DFT_16QAM | 15.72 | 1.36 | 17.08 | 51.05 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 1@1 | DFT_16QAM | 15.53 | 1.36 | 16.89 | 48.87 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 1@215 | DFT_16QAM | 15.44 | 1.36 | 16.8 | 47.86 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 216@0 | DFT_64QAM | 14.09 | 1.36 | 15.45 | 35.08 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 108@54 | DFT_64QAM | 14.14 | 1.36 | 15.5 | 35.48 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 1@1 | DFT_64QAM | 13.98 | 1.36 | 15.34 | 34.2 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 1@215 | DFT_64QAM | 13.93 | 1.36 | 15.29 | 33.81 | 1000 | PASS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n77(3450-3550) | 30 | 80 | 633334 | 216@0 | DFT_256QAM | 12.09 | 1.36 | 13.45 | 22.13 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 108@54 | DFT_256QAM | 12.14 | 1.36 | 13.5 | 22.39 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 1@1 | DFT_256QAM | 11.97 | 1.36 | 13.33 | 21.53 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 1@215 | DFT_256QAM | 11.9 | 1.36 | 13.26 | 21.18 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 217@0 | CP_QPSK | 13.57 | 1.36 | 14.93 | 31.12 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 109@54 | CP_QPSK | 15.17 | 1.36 | 16.53 | 44.98 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 1@1 | CP_QPSK | 15.19 | 1.36 | 16.55 | 45.19 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 1@215 | CP_QPSK | 15.07 | 1.36 | 16.43 | 43.95 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 217@0 | CP_16QAM | 13.59 | 1.36 | 14.95 | 31.26 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 109@54 | CP_16QAM | 14.63 | 1.36 | 15.99 | 39.72 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 1@1 | CP_16QAM | 14.53 | 1.36 | 15.89 | 38.82 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 1@215 | CP_16QAM | 14.43 | 1.36 | 15.79 | 37.93 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 217@0 | CP_64QAM | 13.05 | 1.36 | 14.41 | 27.61 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 109@54 | CP_64QAM | 13.1 | 1.36 | 14.46 | 27.93 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 1@1 | CP_64QAM | 12.84 | 1.36 | 14.2 | 26.3 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 1@215 | CP_64QAM | 12.75 | 1.36 | 14.11 | 25.76 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 217@0 | CP_256QAM | 10.06 | 1.36 | 11.42 | 13.87 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 109@54 | CP_256QAM | 10.08 | 1.36 | 11.44 | 13.93 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 1@1 | CP_256QAM | 10.05 | 1.36 | 11.41 | 13.84 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 633334 | 1@215 | CP_256QAM | 9.94 | 1.36 | 11.3 | 13.49 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 216@0 | DFT_BPSK | 16.23 | 1.36 | 17.59 | 57.41 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 108@54 | DFT_BPSK | 16.77 | 1.36 | 18.13 | 65.01 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 1@1 | DFT_BPSK | 16.66 | 1.36 | 18.02 | 63.39 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 1@215 | DFT_BPSK | 16.52 | 1.36 | 17.88 | 61.38 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 216@0 | DFT_QPSK | 15.73 | 1.36 | 17.09 | 51.17 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 108@54 | DFT_QPSK | 16.75 | 1.36 | 18.11 | 64.71 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 1@1 | DFT_QPSK | 16.66 | 1.36 | 18.02 | 63.39 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 1@215 | DFT_QPSK | 16.56 | 1.36 | 17.92 | 61.94 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 216@0 | DFT_16QAM | 14.59 | 1.36 | 15.95 | 39.36 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 108@54 | DFT_16QAM | 15.77 | 1.36 | 17.13 | 51.64 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 1@1 | DFT_16QAM | 15.53 | 1.36 | 16.89 | 48.87 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 1@215 | DFT_16QAM | 15.43 | 1.36 | 16.79 | 47.75 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 216@0 | DFT_64QAM | 14.11 | 1.36 | 15.47 | 35.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 108@54 | DFT_64QAM | 14.15 | 1.36 | 15.51 | 35.56 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 1@1 | DFT_64QAM | 14 | 1.36 | 15.36 | 34.36 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 1@215 | DFT_64QAM | 13.88 | 1.36 | 15.24 | 33.42 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 216@0 | DFT_256QAM | 12.09 | 1.36 | 13.45 | 22.13 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 108@54 | DFT_256QAM | 12.12 | 1.36 | 13.48 | 22.28 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 1@1 | DFT_256QAM | 11.96 | 1.36 | 13.32 | 21.48 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 1@215 | DFT_256QAM | 11.84 | 1.36 | 13.2 | 20.89 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 217@0 | CP_QPSK | 13.56 | 1.36 | 14.92 | 31.05 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 109@54 | CP_QPSK | 15.26 | 1.36 | 16.62 | 45.92 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 1@1 | CP_QPSK | 15.21 | 1.36 | 16.57 | 45.39 | 1000 | PASS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n77(3450-3550) | 30 | 80 | 634000 | 1@215 | CP_QPSK | 15.09 | 1.36 | 16.45 | 44.16 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 217@0 | CP_16QAM | 13.6 | 1.36 | 14.96 | 31.33 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 109@54 | CP_16QAM | 14.65 | 1.36 | 16.01 | 39.9 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 1@1 | CP_16QAM | 14.5 | 1.36 | 15.86 | 38.55 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 1@215 | CP_16QAM | 14.34 | 1.36 | 15.7 | 37.15 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 217@0 | CP_64QAM | 13.06 | 1.36 | 14.42 | 27.67 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 109@54 | CP_64QAM | 13.11 | 1.36 | 14.47 | 27.99 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 1@1 | CP_64QAM | 12.8 | 1.36 | 14.16 | 26.06 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 1@215 | CP_64QAM | 12.66 | 1.36 | 14.02 | 25.23 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 217@0 | CP_256QAM | 10.06 | 1.36 | 11.42 | 13.87 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 109@54 | CP_256QAM | 10.08 | 1.36 | 11.44 | 13.93 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 1@1 | CP_256QAM | 10.02 | 1.36 | 11.38 | 13.74 | 1000 | PASS |
| n77(3450-3550) | 30 | 80 | 634000 | 1@215 | CP_256QAM | 9.9 | 1.36 | 11.26 | 13.37 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 243@0 | DFT_BPSK | 16.11 | 1.36 | 17.47 | 55.85 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 120@60 | DFT_BPSK | 16.71 | 1.36 | 18.07 | 64.12 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 1@1 | DFT_BPSK | 16.53 | 1.36 | 17.89 | 61.52 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 1@243 | DFT_BPSK | 16.45 | 1.36 | 17.81 | 60.39 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 243@0 | DFT_QPSK | 15.64 | 1.36 | 17 | 50.12 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 120@60 | DFT_QPSK | 16.67 | 1.36 | 18.03 | 63.53 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 1@1 | DFT_QPSK | 16.52 | 1.36 | 17.88 | 61.38 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 1@243 | DFT_QPSK | 16.49 | 1.36 | 17.85 | 60.95 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 243@0 | DFT_16QAM | 14.58 | 1.36 | 15.94 | 39.26 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 120@60 | DFT_16QAM | 15.69 | 1.36 | 17.05 | 50.7 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 1@1 | DFT_16QAM | 15.34 | 1.36 | 16.7 | 46.77 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 1@243 | DFT_16QAM | 15.3 | 1.36 | 16.66 | 46.34 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 243@0 | DFT_64QAM | 14.04 | 1.36 | 15.4 | 34.67 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 120@60 | DFT_64QAM | 14.07 | 1.36 | 15.43 | 34.91 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 1@1 | DFT_64QAM | 13.85 | 1.36 | 15.21 | 33.19 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 1@243 | DFT_64QAM | 13.84 | 1.36 | 15.2 | 33.11 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 243@0 | DFT_256QAM | 12.05 | 1.36 | 13.41 | 21.93 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 120@60 | DFT_256QAM | 12.07 | 1.36 | 13.43 | 22.03 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 1@1 | DFT_256QAM | 11.82 | 1.36 | 13.18 | 20.8 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 1@243 | DFT_256QAM | 11.82 | 1.36 | 13.18 | 20.8 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 245@0 | CP_QPSK | 13.56 | 1.36 | 14.92 | 31.05 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 123@61 | CP_QPSK | 15.12 | 1.36 | 16.48 | 44.46 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 1@1 | CP_QPSK | 14.97 | 1.36 | 16.33 | 42.95 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 1@243 | CP_QPSK | 14.92 | 1.36 | 16.28 | 42.46 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 245@0 | CP_16QAM | 13.55 | 1.36 | 14.91 | 30.97 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 123@61 | CP_16QAM | 14.58 | 1.36 | 15.94 | 39.26 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 1@1 | CP_16QAM | 14.37 | 1.36 | 15.73 | 37.41 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 1@243 | CP_16QAM | 14.35 | 1.36 | 15.71 | 37.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 245@0 | CP_64QAM | 13.04 | 1.36 | 14.4 | 27.54 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 123@61 | CP_64QAM | 13.07 | 1.36 | 14.43 | 27.73 | 1000 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| n77(3450-3550) | 30 | 90 | 633000 | 1@1 | CP_64QAM | 12.65 | 1.36 | 14.01 | 25.18 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 1@243 | CP_64QAM | 12.7 | 1.36 | 14.06 | 25.47 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 245@0 | CP_256QAM | 10.02 | 1.36 | 11.38 | 13.74 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 123@61 | CP_256QAM | 10.06 | 1.36 | 11.42 | 13.87 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 1@1 | CP_256QAM | 9.89 | 1.36 | 11.25 | 13.34 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633000 | 1@243 | CP_256QAM | 9.86 | 1.36 | 11.22 | 13.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 243@0 | DFT_BPSK | 16.14 | 1.36 | 17.5 | 56.23 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 120@60 | DFT_BPSK | 16.7 | 1.36 | 18.06 | 63.97 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 1@1 | DFT_BPSK | 16.62 | 1.36 | 17.98 | 62.81 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 1@243 | DFT_BPSK | 16.55 | 1.36 | 17.91 | 61.8 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 243@0 | DFT_QPSK | 15.74 | 1.36 | 17.1 | 51.29 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 120@60 | DFT_QPSK | 16.72 | 1.36 | 18.08 | 64.27 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 1@1 | DFT_QPSK | 16.57 | 1.36 | 17.93 | 62.09 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 1@243 | DFT_QPSK | 16.56 | 1.36 | 17.92 | 61.94 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 243@0 | DFT_16QAM | 14.58 | 1.36 | 15.94 | 39.26 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 120@60 | DFT_16QAM | 15.7 | 1.36 | 17.06 | 50.82 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 1@1 | DFT_16QAM | 15.52 | 1.36 | 16.88 | 48.75 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 1@243 | DFT_16QAM | 15.41 | 1.36 | 16.77 | 47.53 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 243@0 | DFT_64QAM | 14.09 | 1.36 | 15.45 | 35.08 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 120@60 | DFT_64QAM | 14.13 | 1.36 | 15.49 | 35.4 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 1@1 | DFT_64QAM | 13.89 | 1.36 | 15.25 | 33.5 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 1@243 | DFT_64QAM | 13.84 | 1.36 | 15.2 | 33.11 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 243@0 | DFT_256QAM | 12.1 | 1.36 | 13.46 | 22.18 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 120@60 | DFT_256QAM | 12.13 | 1.36 | 13.49 | 22.34 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 1@1 | DFT_256QAM | 11.91 | 1.36 | 13.27 | 21.23 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 1@243 | DFT_256QAM | 11.84 | 1.36 | 13.2 | 20.89 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 245@0 | CP_QPSK | 13.56 | 1.36 | 14.92 | 31.05 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 123@61 | CP_QPSK | 15.17 | 1.36 | 16.53 | 44.98 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 1@1 | CP_QPSK | 15.2 | 1.36 | 16.56 | 45.29 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 1@243 | CP_QPSK | 15.07 | 1.36 | 16.43 | 43.95 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 245@0 | CP_16QAM | 13.55 | 1.36 | 14.91 | 30.97 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 123@61 | CP_16QAM | 14.62 | 1.36 | 15.98 | 39.63 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 1@1 | CP_16QAM | 14.46 | 1.36 | 15.82 | 38.19 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 1@243 | CP_16QAM | 14.39 | 1.36 | 15.75 | 37.58 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 245@0 | CP_64QAM | 13.36 | 1.36 | 14.72 | 29.65 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 123@61 | CP_64QAM | 13.1 | 1.36 | 14.46 | 27.93 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 1@1 | CP_64QAM | 12.73 | 1.36 | 14.09 | 25.64 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 1@243 | CP_64QAM | 12.67 | 1.36 | 14.03 | 25.29 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 245@0 | CP_256QAM | 10.09 | 1.36 | 11.45 | 13.96 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 123@61 | CP_256QAM | 10.09 | 1.36 | 11.45 | 13.96 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 1@1 | CP_256QAM | 9.99 | 1.36 | 11.35 | 13.65 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633334 | 1@243 | CP_256QAM | 9.88 | 1.36 | 11.24 | 13.3 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 243@0 | DFT_BPSK | 15.95 | 1.36 | 17.31 | 53.83 | 1000 | PASS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n77(3450-3550) | 30 | 90 | 633666 | 120@60 | DFT_BPSK | 16.79 | 1.36 | 18.15 | 65.31 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 1@1 | DFT_BPSK | 16.65 | 1.36 | 18.01 | 63.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 1@243 | DFT_BPSK | 16.44 | 1.36 | 17.8 | 60.26 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 243@0 | DFT_QPSK | 15.75 | 1.36 | 17.11 | 51.4 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 120@60 | DFT_QPSK | 16.76 | 1.36 | 18.12 | 64.86 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 1@1 | DFT_QPSK | 16.65 | 1.36 | 18.01 | 63.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 1@243 | DFT_QPSK | 16.48 | 1.36 | 17.84 | 60.81 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 243@0 | DFT_16QAM | 14.62 | 1.36 | 15.98 | 39.63 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 120@60 | DFT_16QAM | 15.36 | 1.36 | 16.72 | 46.99 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 1@1 | DFT_16QAM | 15.5 | 1.36 | 16.86 | 48.53 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 1@243 | DFT_16QAM | 15.31 | 1.36 | 16.67 | 46.45 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 243@0 | DFT_64QAM | 14.12 | 1.36 | 15.48 | 35.32 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 120@60 | DFT_64QAM | 14.16 | 1.36 | 15.52 | 35.65 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 1@1 | DFT_64QAM | 13.99 | 1.36 | 15.35 | 34.28 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 1@243 | DFT_64QAM | 13.82 | 1.36 | 15.18 | 32.96 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 243@0 | DFT_256QAM | 12.12 | 1.36 | 13.48 | 22.28 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 120@60 | DFT_256QAM | 12.16 | 1.36 | 13.52 | 22.49 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 1@1 | DFT_256QAM | 11.98 | 1.36 | 13.34 | 21.58 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 1@243 | DFT_256QAM | 11.79 | 1.36 | 13.15 | 20.65 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 245@0 | CP_QPSK | 13.59 | 1.36 | 14.95 | 31.26 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 123@61 | CP_QPSK | 15.2 | 1.36 | 16.56 | 45.29 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 1@1 | CP_QPSK | 15.22 | 1.36 | 16.58 | 45.5 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 1@243 | CP_QPSK | 15.03 | 1.36 | 16.39 | 43.55 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 245@0 | CP_16QAM | 13.6 | 1.36 | 14.96 | 31.33 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 123@61 | CP_16QAM | 14.65 | 1.36 | 16.01 | 39.9 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 1@1 | CP_16QAM | 14.53 | 1.36 | 15.89 | 38.82 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 1@243 | CP_16QAM | 14.26 | 1.36 | 15.62 | 36.48 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 245@0 | CP_64QAM | 13.1 | 1.36 | 14.46 | 27.93 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 123@61 | CP_64QAM | 12.66 | 1.36 | 14.02 | 25.23 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 1@1 | CP_64QAM | 12.83 | 1.36 | 14.19 | 26.24 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 1@243 | CP_64QAM | 12.72 | 1.36 | 14.08 | 25.59 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 245@0 | CP_256QAM | 10.09 | 1.36 | 11.45 | 13.96 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 123@61 | CP_256QAM | 10.15 | 1.36 | 11.51 | 14.16 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 1@1 | CP_256QAM | 10.05 | 1.36 | 11.41 | 13.84 | 1000 | PASS |
| n77(3450-3550) | 30 | 90 | 633666 | 1@243 | CP_256QAM | 9.95 | 1.36 | 11.31 | 13.52 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | 16.19 | 1.36 | 17.55 | 56.89 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 135@67 | DFT_BPSK | 15.8 | 1.36 | 17.16 | 52 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 1@1 | DFT_BPSK | 16.66 | 1.36 | 18.02 | 63.39 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 1@271 | DFT_BPSK | 16.41 | 1.36 | 17.77 | 59.84 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_QPSK | 15.71 | 1.36 | 17.07 | 50.93 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 135@67 | DFT_QPSK | 16.7 | 1.36 | 18.06 | 63.97 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 1@1 | DFT_QPSK | 16.6 | 1.36 | 17.96 | 62.52 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 1@271 | DFT_QPSK | 16.46 | 1.36 | 17.82 | 60.53 | 1000 | PASS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n77(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_16QAM | 14.57 | 1.36 | 15.93 | 39.17 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 135@67 | DFT_16QAM | 15.72 | 1.36 | 17.08 | 51.05 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 1@1 | DFT_16QAM | 15.49 | 1.36 | 16.85 | 48.42 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 1@271 | DFT_16QAM | 15.36 | 1.36 | 16.72 | 46.99 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_64QAM | 14.07 | 1.36 | 15.43 | 34.91 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 135@67 | DFT_64QAM | 14.13 | 1.36 | 15.49 | 35.4 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 1@1 | DFT_64QAM | 13.89 | 1.36 | 15.25 | 33.5 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 1@271 | DFT_64QAM | 13.75 | 1.36 | 15.11 | 32.43 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_256QAM | 12.09 | 1.36 | 13.45 | 22.13 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 135@67 | DFT_256QAM | 12.12 | 1.36 | 13.48 | 22.28 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 1@1 | DFT_256QAM | 11.87 | 1.36 | 13.23 | 21.04 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 1@271 | DFT_256QAM | 11.71 | 1.36 | 13.07 | 20.28 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 273@0 | CP_QPSK | 15.22 | 1.36 | 16.58 | 45.5 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 137@68 | CP_QPSK | 15.17 | 1.36 | 16.53 | 44.98 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 1@1 | CP_QPSK | 15.13 | 1.36 | 16.49 | 44.57 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 1@271 | CP_QPSK | 15.01 | 1.36 | 16.37 | 43.35 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 273@0 | CP_16QAM | 13.56 | 1.36 | 14.92 | 31.05 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 137@68 | CP_16QAM | 14.61 | 1.36 | 15.97 | 39.54 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 1@1 | CP_16QAM | 14.43 | 1.36 | 15.79 | 37.93 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 1@271 | CP_16QAM | 14.3 | 1.36 | 15.66 | 36.81 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 273@0 | CP_64QAM | 13.07 | 1.36 | 14.43 | 27.73 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 137@68 | CP_64QAM | 13.21 | 1.36 | 14.57 | 28.64 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 1@1 | CP_64QAM | 12.7 | 1.36 | 14.06 | 25.47 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 1@271 | CP_64QAM | 12.58 | 1.36 | 13.94 | 24.77 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 273@0 | CP_256QAM | 10.06 | 1.36 | 11.42 | 13.87 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 137@68 | CP_256QAM | 10.11 | 1.36 | 11.47 | 14.03 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 1@1 | CP_256QAM | 9.96 | 1.36 | 11.32 | 13.55 | 1000 | PASS |
| n77(3450-3550) | 30 | 100 | 633334 | 1@271 | CP_256QAM | 9.85 | 1.36 | 11.21 | 13.21 | 1000 | PASS |

| Band | SCS (kHz) | Bandwidth (MHz) | UL Channel | RB Allocation | Modulation | Power (dBm) | GT - Lc (dB) | EIRP (dBm) | EIRP (mW) | EIRP Limit (mW) | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 10 | 630334 | 24@0 | DFT_BPSK | 18.17 | 1.36 | 19.53 | 89.74 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 12@6 | DFT_BPSK | 18.54 | 1.36 | 19.9 | 97.72 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 1@1 | DFT_BPSK | 18.57 | 1.36 | 19.93 | 98.4 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 1@22 | DFT_BPSK | 18.66 | 1.36 | 20.02 | 100.46 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 24@0 | DFT_QPSK | 17.56 | 1.36 | 18.92 | 77.98 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 12@6 | DFT_QPSK | 18.6 | 1.36 | 19.96 | 99.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 1@1 | DFT_QPSK | 18.63 | 1.36 | 19.99 | 99.77 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 1@22 | DFT_QPSK | 18.67 | 1.36 | 20.03 | 100.69 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 24@0 | DFT_16QAM | 16.64 | 1.36 | 18 | 63.1 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 12@6 | DFT_16QAM | 17.62 | 1.36 | 18.98 | 79.07 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 1@1 | DFT_16QAM | 17.49 | 1.36 | 18.85 | 76.74 | 1000 | PASS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 10 | 630334 | 1@22 | DFT_16QAM | 17.51 | 1.36 | 18.87 | 77.09 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 24@0 | DFT_64QAM | 16.15 | 1.36 | 17.51 | 56.36 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 12@6 | DFT_64QAM | 16.13 | 1.36 | 17.49 | 56.1 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 1@1 | DFT_64QAM | 16.05 | 1.36 | 17.41 | 55.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 1@22 | DFT_64QAM | 16.1 | 1.36 | 17.46 | 55.72 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 24@0 | DFT_256QAM | 14.01 | 1.36 | 15.37 | 34.43 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 12@6 | DFT_256QAM | 14.22 | 1.36 | 15.58 | 36.14 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 1@1 | DFT_256QAM | 13.95 | 1.36 | 15.31 | 33.96 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 1@22 | DFT_256QAM | 13.96 | 1.36 | 15.32 | 34.04 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 24@0 | CP_QPSK | 15.58 | 1.36 | 16.94 | 49.43 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 12@6 | CP_QPSK | 17.07 | 1.36 | 18.43 | 69.66 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 1@1 | CP_QPSK | 17.1 | 1.36 | 18.46 | 70.15 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 1@22 | CP_QPSK | 17.11 | 1.36 | 18.47 | 70.31 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 24@0 | CP_16QAM | 15.5 | 1.36 | 16.86 | 48.53 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 12@6 | CP_16QAM | 16.67 | 1.36 | 18.03 | 63.53 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 1@1 | CP_16QAM | 16.54 | 1.36 | 17.9 | 61.66 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 1@22 | CP_16QAM | 16.7 | 1.36 | 18.06 | 63.97 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 24@0 | CP_64QAM | 15.15 | 1.36 | 16.51 | 44.77 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 12@6 | CP_64QAM | 15.24 | 1.36 | 16.6 | 45.71 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 1@1 | CP_64QAM | 14.9 | 1.36 | 16.26 | 42.27 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 1@22 | CP_64QAM | 14.91 | 1.36 | 16.27 | 42.36 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 24@0 | CP_256QAM | 11.98 | 1.36 | 13.34 | 21.58 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 12@6 | CP_256QAM | 12.07 | 1.36 | 13.43 | 22.03 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 1@1 | CP_256QAM | 12.11 | 1.36 | 13.47 | 22.23 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 630334 | 1@22 | CP_256QAM | 12.04 | 1.36 | 13.4 | 21.88 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 24@0 | DFT_BPSK | 18.18 | 1.36 | 19.54 | 89.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 12@6 | DFT_BPSK | 18.61 | 1.36 | 19.97 | 99.31 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 1@1 | DFT_BPSK | 18.62 | 1.36 | 19.98 | 99.54 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 1@22 | DFT_BPSK | 18.61 | 1.36 | 19.97 | 99.31 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 24@0 | DFT_QPSK | 17.63 | 1.36 | 18.99 | 79.25 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 12@6 | DFT_QPSK | 18.64 | 1.36 | 20 | 100 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 1@1 | DFT_QPSK | 18.62 | 1.36 | 19.98 | 99.54 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 1@22 | DFT_QPSK | 18.68 | 1.36 | 20.04 | 100.93 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 24@0 | DFT_16QAM | 16.69 | 1.36 | 18.05 | 63.83 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 12@6 | DFT_16QAM | 17.68 | 1.36 | 19.04 | 80.17 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 1@1 | DFT_16QAM | 17.49 | 1.36 | 18.85 | 76.74 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 1@22 | DFT_16QAM | 17.55 | 1.36 | 18.91 | 77.8 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 24@0 | DFT_64QAM | 16.21 | 1.36 | 17.57 | 57.15 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 12@6 | DFT_64QAM | 16.15 | 1.36 | 17.51 | 56.36 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 1@1 | DFT_64QAM | 15.99 | 1.36 | 17.35 | 54.33 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 1@22 | DFT_64QAM | 16.07 | 1.36 | 17.43 | 55.34 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 24@0 | DFT_256QAM | 14.02 | 1.36 | 15.38 | 34.51 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 12@6 | DFT_256QAM | 14.19 | 1.36 | 15.55 | 35.89 | 1000 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 10 | 633334 | 1@1 | DFT_256QAM | 13.93 | 1.36 | 15.29 | 33.81 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 1@22 | DFT_256QAM | 13.92 | 1.36 | 15.28 | 33.73 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 24@0 | CP_QPSK | 15.62 | 1.36 | 16.98 | 49.89 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 12@6 | CP_QPSK | 17.1 | 1.36 | 18.46 | 70.15 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 1@1 | CP_QPSK | 17.14 | 1.36 | 18.5 | 70.79 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 1@22 | CP_QPSK | 17.16 | 1.36 | 18.52 | 71.12 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 24@0 | CP_16QAM | 15.61 | 1.36 | 16.97 | 49.77 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 12@6 | CP_16QAM | 16.76 | 1.36 | 18.12 | 64.86 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 1@1 | CP_16QAM | 16.69 | 1.36 | 18.05 | 63.83 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 1@22 | CP_16QAM | 16.69 | 1.36 | 18.05 | 63.83 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 24@0 | CP_64QAM | 15.19 | 1.36 | 16.55 | 45.19 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 12@6 | CP_64QAM | 15.32 | 1.36 | 16.68 | 46.56 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 1@1 | CP_64QAM | 14.94 | 1.36 | 16.3 | 42.66 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 1@22 | CP_64QAM | 14.88 | 1.36 | 16.24 | 42.07 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 24@0 | CP_256QAM | 12.02 | 1.36 | 13.38 | 21.78 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 12@6 | CP_256QAM | 12.07 | 1.36 | 13.43 | 22.03 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 1@1 | CP_256QAM | 12.02 | 1.36 | 13.38 | 21.78 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 1@22 | CP_256QAM | 12.08 | 1.36 | 13.44 | 22.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 24@0 | DFT_BPSK | 18.28 | 1.36 | 19.64 | 92.04 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 12@6 | DFT_BPSK | 18.77 | 1.36 | 20.13 | 103.04 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 1@1 | DFT_BPSK | 18.73 | 1.36 | 20.09 | 102.09 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 1@22 | DFT_BPSK | 18.74 | 1.36 | 20.1 | 102.33 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 24@0 | DFT_QPSK | 17.72 | 1.36 | 19.08 | 80.91 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 12@6 | DFT_QPSK | 18.71 | 1.36 | 20.07 | 101.62 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 1@1 | DFT_QPSK | 18.8 | 1.36 | 20.16 | 103.75 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 1@22 | DFT_QPSK | 18.76 | 1.36 | 20.12 | 102.8 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 24@0 | DFT_16QAM | 16.84 | 1.36 | 18.2 | 66.07 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 12@6 | DFT_16QAM | 17.77 | 1.36 | 19.13 | 81.85 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 1@1 | DFT_16QAM | 17.66 | 1.36 | 19.02 | 79.8 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 1@22 | DFT_16QAM | 17.63 | 1.36 | 18.99 | 79.25 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 24@0 | DFT_64QAM | 16.33 | 1.36 | 17.69 | 58.75 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 12@6 | DFT_64QAM | 16.28 | 1.36 | 17.64 | 58.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 1@1 | DFT_64QAM | 16.24 | 1.36 | 17.6 | 57.54 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 1@22 | DFT_64QAM | 16.2 | 1.36 | 17.56 | 57.02 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 24@0 | DFT_256QAM | 14.22 | 1.36 | 15.58 | 36.14 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 12@6 | DFT_256QAM | 14.26 | 1.36 | 15.62 | 36.48 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 1@1 | DFT_256QAM | 14.09 | 1.36 | 15.45 | 35.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 1@22 | DFT_256QAM | 14.09 | 1.36 | 15.45 | 35.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 24@0 | CP_QPSK | 15.66 | 1.36 | 17.02 | 50.35 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 12@6 | CP_QPSK | 17.17 | 1.36 | 18.53 | 71.29 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 1@1 | CP_QPSK | 17.3 | 1.36 | 18.66 | 73.45 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 1@22 | CP_QPSK | 17.25 | 1.36 | 18.61 | 72.61 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 24@0 | CP_16QAM | 15.55 | 1.36 | 16.91 | 49.09 | 1000 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 10 | 636332 | 12@6 | CP_16QAM | 16.86 | 1.36 | 18.22 | 66.37 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 1@1 | CP_16QAM | 16.88 | 1.36 | 18.24 | 66.68 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 1@22 | CP_16QAM | 16.83 | 1.36 | 18.19 | 65.92 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 24@0 | CP_64QAM | 15.27 | 1.36 | 16.63 | 46.03 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 12@6 | CP_64QAM | 15.45 | 1.36 | 16.81 | 47.97 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 1@1 | CP_64QAM | 15.08 | 1.36 | 16.44 | 44.06 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 1@22 | CP_64QAM | 15.07 | 1.36 | 16.43 | 43.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 24@0 | CP_256QAM | 12.1 | 1.36 | 13.46 | 22.18 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 12@6 | CP_256QAM | 12.12 | 1.36 | 13.48 | 22.28 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 1@1 | CP_256QAM | 12.22 | 1.36 | 13.58 | 22.8 | 1000 | PASS |
| n78(3450-3550) | 30 | 10 | 636332 | 1@22 | CP_256QAM | 12.15 | 1.36 | 13.51 | 22.44 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 36@0 | DFT_BPSK | 18.1 | 1.36 | 19.46 | 88.31 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 18@9 | DFT_BPSK | 18.64 | 1.36 | 20 | 100 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 1@1 | DFT_BPSK | 18.52 | 1.36 | 19.88 | 97.27 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 1@36 | DFT_BPSK | 18.63 | 1.36 | 19.99 | 99.77 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 36@0 | DFT_QPSK | 17.61 | 1.36 | 18.97 | 78.89 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 18@9 | DFT_QPSK | 18.71 | 1.36 | 20.07 | 101.62 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 1@1 | DFT_QPSK | 18.57 | 1.36 | 19.93 | 98.4 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 1@36 | DFT_QPSK | 18.65 | 1.36 | 20.01 | 100.23 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 36@0 | DFT_16QAM | 16.61 | 1.36 | 17.97 | 62.66 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 18@9 | DFT_16QAM | 17.62 | 1.36 | 18.98 | 79.07 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 1@1 | DFT_16QAM | 17.39 | 1.36 | 18.75 | 74.99 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 1@36 | DFT_16QAM | 17.47 | 1.36 | 18.83 | 76.38 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 36@0 | DFT_64QAM | 16.09 | 1.36 | 17.45 | 55.59 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 18@9 | DFT_64QAM | 16.16 | 1.36 | 17.52 | 56.49 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 1@1 | DFT_64QAM | 16.05 | 1.36 | 17.41 | 55.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 1@36 | DFT_64QAM | 16.12 | 1.36 | 17.48 | 55.98 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 36@0 | DFT_256QAM | 14.02 | 1.36 | 15.38 | 34.51 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 18@9 | DFT_256QAM | 14.06 | 1.36 | 15.42 | 34.83 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 1@1 | DFT_256QAM | 14.02 | 1.36 | 15.38 | 34.51 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 1@36 | DFT_256QAM | 13.98 | 1.36 | 15.34 | 34.2 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 38@0 | CP_QPSK | 15.58 | 1.36 | 16.94 | 49.43 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 19@9 | CP_QPSK | 17.07 | 1.36 | 18.43 | 69.66 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 1@1 | CP_QPSK | 17.07 | 1.36 | 18.43 | 69.66 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 1@36 | CP_QPSK | 17.14 | 1.36 | 18.5 | 70.79 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 38@0 | CP_16QAM | 15.64 | 1.36 | 17 | 50.12 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 19@9 | CP_16QAM | 16.62 | 1.36 | 17.98 | 62.81 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 1@1 | CP_16QAM | 16.6 | 1.36 | 17.96 | 62.52 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 1@36 | CP_16QAM | 16.64 | 1.36 | 18 | 63.1 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 38@0 | CP_64QAM | 15.13 | 1.36 | 16.49 | 44.57 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 19@9 | CP_64QAM | 15.12 | 1.36 | 16.48 | 44.46 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 1@1 | CP_64QAM | 14.86 | 1.36 | 16.22 | 41.88 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 1@36 | CP_64QAM | 14.89 | 1.36 | 16.25 | 42.17 | 1000 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 15 | 630500 | 38@0 | CP_256QAM | 12.1 | 1.36 | 13.46 | 22.18 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 19@9 | CP_256QAM | 12.15 | 1.36 | 13.51 | 22.44 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 1@1 | CP_256QAM | 12.08 | 1.36 | 13.44 | 22.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 630500 | 1@36 | CP_256QAM | 12.05 | 1.36 | 13.41 | 21.93 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 36@0 | DFT_BPSK | 18.1 | 1.36 | 19.46 | 88.31 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 18@9 | DFT_BPSK | 18.72 | 1.36 | 20.08 | 101.86 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 1@1 | DFT_BPSK | 18.61 | 1.36 | 19.97 | 99.31 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 1@36 | DFT_BPSK | 18.62 | 1.36 | 19.98 | 99.54 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 36@0 | DFT_QPSK | 17.66 | 1.36 | 19.02 | 79.8 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 18@9 | DFT_QPSK | 18.74 | 1.36 | 20.1 | 102.33 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 1@1 | DFT_QPSK | 18.62 | 1.36 | 19.98 | 99.54 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 1@36 | DFT_QPSK | 18.65 | 1.36 | 20.01 | 100.23 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 36@0 | DFT_16QAM | 16.69 | 1.36 | 18.05 | 63.83 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 18@9 | DFT_16QAM | 17.68 | 1.36 | 19.04 | 80.17 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 1@1 | DFT_16QAM | 17.39 | 1.36 | 18.75 | 74.99 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 1@36 | DFT_16QAM | 17.44 | 1.36 | 18.8 | 75.86 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 36@0 | DFT_64QAM | 16.13 | 1.36 | 17.49 | 56.1 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 18@9 | DFT_64QAM | 16.29 | 1.36 | 17.65 | 58.21 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 1@1 | DFT_64QAM | 16.12 | 1.36 | 17.48 | 55.98 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 1@36 | DFT_64QAM | 16.15 | 1.36 | 17.51 | 56.36 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 36@0 | DFT_256QAM | 14.01 | 1.36 | 15.37 | 34.43 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 18@9 | DFT_256QAM | 14.08 | 1.36 | 15.44 | 34.99 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 1@1 | DFT_256QAM | 13.93 | 1.36 | 15.29 | 33.81 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 1@36 | DFT_256QAM | 13.94 | 1.36 | 15.3 | 33.88 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 38@0 | CP_QPSK | 15.58 | 1.36 | 16.94 | 49.43 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 19@9 | CP_QPSK | 17.11 | 1.36 | 18.47 | 70.31 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 1@1 | CP_QPSK | 17.12 | 1.36 | 18.48 | 70.47 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 1@36 | CP_QPSK | 17.17 | 1.36 | 18.53 | 71.29 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 38@0 | CP_16QAM | 15.63 | 1.36 | 16.99 | 50 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 19@9 | CP_16QAM | 16.63 | 1.36 | 17.99 | 62.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 1@1 | CP_16QAM | 16.63 | 1.36 | 17.99 | 62.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 1@36 | CP_16QAM | 16.66 | 1.36 | 18.02 | 63.39 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 38@0 | CP_64QAM | 15.13 | 1.36 | 16.49 | 44.57 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 19@9 | CP_64QAM | 15.13 | 1.36 | 16.49 | 44.57 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 1@1 | CP_64QAM | 14.88 | 1.36 | 16.24 | 42.07 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 1@36 | CP_64QAM | 14.88 | 1.36 | 16.24 | 42.07 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 38@0 | CP_256QAM | 12.05 | 1.36 | 13.41 | 21.93 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 19@9 | CP_256QAM | 12.12 | 1.36 | 13.48 | 22.28 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 1@1 | CP_256QAM | 12 | 1.36 | 13.36 | 21.68 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 1@36 | CP_256QAM | 12.02 | 1.36 | 13.38 | 21.78 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 36@0 | DFT_BPSK | 18.25 | 1.36 | 19.61 | 91.41 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 18@9 | DFT_BPSK | 18.8 | 1.36 | 20.16 | 103.75 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 1@1 | DFT_BPSK | 18.77 | 1.36 | 20.13 | 103.04 | 1000 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 15 | 636166 | 1@36 | DFT_BPSK | 18.72 | 1.36 | 20.08 | 101.86 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 36@0 | DFT_QPSK | 17.74 | 1.36 | 19.1 | 81.28 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 18@9 | DFT_QPSK | 18.78 | 1.36 | 20.14 | 103.28 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 1@1 | DFT_QPSK | 18.79 | 1.36 | 20.15 | 103.51 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 1@36 | DFT_QPSK | 18.76 | 1.36 | 20.12 | 102.8 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 36@0 | DFT_16QAM | 16.73 | 1.36 | 18.09 | 64.42 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 18@9 | DFT_16QAM | 17.82 | 1.36 | 19.18 | 82.79 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 1@1 | DFT_16QAM | 17.61 | 1.36 | 18.97 | 78.89 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 1@36 | DFT_16QAM | 17.57 | 1.36 | 18.93 | 78.16 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 36@0 | DFT_64QAM | 16.21 | 1.36 | 17.57 | 57.15 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 18@9 | DFT_64QAM | 16.36 | 1.36 | 17.72 | 59.16 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 1@1 | DFT_64QAM | 16.29 | 1.36 | 17.65 | 58.21 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 1@36 | DFT_64QAM | 16.28 | 1.36 | 17.64 | 58.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 36@0 | DFT_256QAM | 14.15 | 1.36 | 15.51 | 35.56 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 18@9 | DFT_256QAM | 14.14 | 1.36 | 15.5 | 35.48 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 1@1 | DFT_256QAM | 14.09 | 1.36 | 15.45 | 35.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 1@36 | DFT_256QAM | 14.11 | 1.36 | 15.47 | 35.24 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 38@0 | CP_QPSK | 15.69 | 1.36 | 17.05 | 50.7 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 19@9 | CP_QPSK | 17.24 | 1.36 | 18.6 | 72.44 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 1@1 | CP_QPSK | 17.29 | 1.36 | 18.65 | 73.28 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 1@36 | CP_QPSK | 17.27 | 1.36 | 18.63 | 72.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 38@0 | CP_16QAM | 15.76 | 1.36 | 17.12 | 51.52 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 19@9 | CP_16QAM | 16.74 | 1.36 | 18.1 | 64.57 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 1@1 | CP_16QAM | 16.84 | 1.36 | 18.2 | 66.07 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 1@36 | CP_16QAM | 16.81 | 1.36 | 18.17 | 65.61 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 38@0 | CP_64QAM | 15.29 | 1.36 | 16.65 | 46.24 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 19@9 | CP_64QAM | 15.28 | 1.36 | 16.64 | 46.13 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 1@1 | CP_64QAM | 15.04 | 1.36 | 16.4 | 43.65 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 1@36 | CP_64QAM | 15 | 1.36 | 16.36 | 43.25 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 38@0 | CP_256QAM | 12.21 | 1.36 | 13.57 | 22.75 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 19@9 | CP_256QAM | 12.29 | 1.36 | 13.65 | 23.17 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 1@1 | CP_256QAM | 12.15 | 1.36 | 13.51 | 22.44 | 1000 | PASS |
| n78(3450-3550) | 30 | 15 | 636166 | 1@36 | CP_256QAM | 12.15 | 1.36 | 13.51 | 22.44 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 50@0 | DFT_BPSK | 18.15 | 1.36 | 19.51 | 89.33 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 25@12 | DFT_BPSK | 18.59 | 1.36 | 19.95 | 98.86 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 1@1 | DFT_BPSK | 18.6 | 1.36 | 19.96 | 99.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 1@49 | DFT_BPSK | 18.63 | 1.36 | 19.99 | 99.77 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 50@0 | DFT_QPSK | 17.66 | 1.36 | 19.02 | 79.8 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 25@12 | DFT_QPSK | 18.67 | 1.36 | 20.03 | 100.69 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 1@1 | DFT_QPSK | 18.58 | 1.36 | 19.94 | 98.63 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 1@49 | DFT_QPSK | 18.63 | 1.36 | 19.99 | 99.77 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 50@0 | DFT_16QAM | 16.65 | 1.36 | 18.01 | 63.24 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 25@12 | DFT_16QAM | 17.7 | 1.36 | 19.06 | 80.54 | 1000 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 20 | 630668 | 1@1 | DFT_16QAM | 17.42 | 1.36 | 18.78 | 75.51 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 1@49 | DFT_16QAM | 17.46 | 1.36 | 18.82 | 76.21 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 50@0 | DFT_64QAM | 16.11 | 1.36 | 17.47 | 55.85 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 25@12 | DFT_64QAM | 16.15 | 1.36 | 17.51 | 56.36 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 1@1 | DFT_64QAM | 15.99 | 1.36 | 17.35 | 54.33 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 1@49 | DFT_64QAM | 16.04 | 1.36 | 17.4 | 54.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 50@0 | DFT_256QAM | 14.09 | 1.36 | 15.45 | 35.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 25@12 | DFT_256QAM | 14.14 | 1.36 | 15.5 | 35.48 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 1@1 | DFT_256QAM | 14.04 | 1.36 | 15.4 | 34.67 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 1@49 | DFT_256QAM | 14.02 | 1.36 | 15.38 | 34.51 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 51@0 | CP_QPSK | 15.65 | 1.36 | 17.01 | 50.23 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 25@12 | CP_QPSK | 17.18 | 1.36 | 18.54 | 71.45 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 1@1 | CP_QPSK | 17.07 | 1.36 | 18.43 | 69.66 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 1@49 | CP_QPSK | 17.15 | 1.36 | 18.51 | 70.96 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 51@0 | CP_16QAM | 15.65 | 1.36 | 17.01 | 50.23 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 25@12 | CP_16QAM | 16.72 | 1.36 | 18.08 | 64.27 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 1@1 | CP_16QAM | 16.56 | 1.36 | 17.92 | 61.94 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 1@49 | CP_16QAM | 16.63 | 1.36 | 17.99 | 62.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 51@0 | CP_64QAM | 15.22 | 1.36 | 16.58 | 45.5 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 25@12 | CP_64QAM | 15.21 | 1.36 | 16.57 | 45.39 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 1@1 | CP_64QAM | 14.83 | 1.36 | 16.19 | 41.59 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 1@49 | CP_64QAM | 14.89 | 1.36 | 16.25 | 42.17 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 51@0 | CP_256QAM | 12.14 | 1.36 | 13.5 | 22.39 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 25@12 | CP_256QAM | 12.17 | 1.36 | 13.53 | 22.54 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 1@1 | CP_256QAM | 12.13 | 1.36 | 13.49 | 22.34 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 630668 | 1@49 | CP_256QAM | 12.12 | 1.36 | 13.48 | 22.28 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 50@0 | DFT_BPSK | 18.19 | 1.36 | 19.55 | 90.16 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 25@12 | DFT_BPSK | 18.68 | 1.36 | 20.04 | 100.93 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 1@1 | DFT_BPSK | 18.58 | 1.36 | 19.94 | 98.63 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 1@49 | DFT_BPSK | 18.62 | 1.36 | 19.98 | 99.54 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 50@0 | DFT_QPSK | 17.66 | 1.36 | 19.02 | 79.8 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 25@12 | DFT_QPSK | 18.73 | 1.36 | 20.09 | 102.09 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 1@1 | DFT_QPSK | 18.57 | 1.36 | 19.93 | 98.4 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 1@49 | DFT_QPSK | 18.64 | 1.36 | 20 | 100 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 50@0 | DFT_16QAM | 16.64 | 1.36 | 18 | 63.1 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 25@12 | DFT_16QAM | 17.69 | 1.36 | 19.05 | 80.35 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 1@1 | DFT_16QAM | 17.39 | 1.36 | 18.75 | 74.99 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 1@49 | DFT_16QAM | 17.42 | 1.36 | 18.78 | 75.51 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 50@0 | DFT_64QAM | 16.11 | 1.36 | 17.47 | 55.85 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 25@12 | DFT_64QAM | 16.19 | 1.36 | 17.55 | 56.89 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 1@1 | DFT_64QAM | 16.07 | 1.36 | 17.43 | 55.34 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 1@49 | DFT_64QAM | 16.14 | 1.36 | 17.5 | 56.23 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 50@0 | DFT_256QAM | 14 | 1.36 | 15.36 | 34.36 | 1000 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 20 | 633334 | 25@12 | DFT_256QAM | 14.07 | 1.36 | 15.43 | 34.91 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 1@1 | DFT_256QAM | 13.91 | 1.36 | 15.27 | 33.65 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 1@49 | DFT_256QAM | 13.94 | 1.36 | 15.3 | 33.88 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 51@0 | CP_QPSK | 15.55 | 1.36 | 16.91 | 49.09 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 25@12 | CP_QPSK | 17.25 | 1.36 | 18.61 | 72.61 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 1@1 | CP_QPSK | 17.12 | 1.36 | 18.48 | 70.47 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 1@49 | CP_QPSK | 17.11 | 1.36 | 18.47 | 70.31 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 51@0 | CP_16QAM | 15.62 | 1.36 | 16.98 | 49.89 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 25@12 | CP_16QAM | 16.76 | 1.36 | 18.12 | 64.86 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 1@1 | CP_16QAM | 16.59 | 1.36 | 17.95 | 62.37 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 1@49 | CP_16QAM | 16.6 | 1.36 | 17.96 | 62.52 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 51@0 | CP_64QAM | 15.14 | 1.36 | 16.5 | 44.67 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 25@12 | CP_64QAM | 15.31 | 1.36 | 16.67 | 46.45 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 1@1 | CP_64QAM | 14.91 | 1.36 | 16.27 | 42.36 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 1@49 | CP_64QAM | 14.91 | 1.36 | 16.27 | 42.36 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 51@0 | CP_256QAM | 12.01 | 1.36 | 13.37 | 21.73 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 25@12 | CP_256QAM | 12.1 | 1.36 | 13.46 | 22.18 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 1@1 | CP_256QAM | 12.01 | 1.36 | 13.37 | 21.73 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 1@49 | CP_256QAM | 12.01 | 1.36 | 13.37 | 21.73 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 50@0 | DFT_BPSK | 18.25 | 1.36 | 19.61 | 91.41 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 25@12 | DFT_BPSK | 18.79 | 1.36 | 20.15 | 103.51 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 1@1 | DFT_BPSK | 18.72 | 1.36 | 20.08 | 101.86 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 1@49 | DFT_BPSK | 18.7 | 1.36 | 20.06 | 101.39 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 50@0 | DFT_QPSK | 17.77 | 1.36 | 19.13 | 81.85 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 25@12 | DFT_QPSK | 18.82 | 1.36 | 20.18 | 104.23 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 1@1 | DFT_QPSK | 18.71 | 1.36 | 20.07 | 101.62 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 1@49 | DFT_QPSK | 18.68 | 1.36 | 20.04 | 100.93 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 50@0 | DFT_16QAM | 16.73 | 1.36 | 18.09 | 64.42 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 25@12 | DFT_16QAM | 17.81 | 1.36 | 19.17 | 82.6 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 1@1 | DFT_16QAM | 17.57 | 1.36 | 18.93 | 78.16 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 1@49 | DFT_16QAM | 17.53 | 1.36 | 18.89 | 77.45 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 50@0 | DFT_64QAM | 16.24 | 1.36 | 17.6 | 57.54 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 25@12 | DFT_64QAM | 16.24 | 1.36 | 17.6 | 57.54 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 1@1 | DFT_64QAM | 16.23 | 1.36 | 17.59 | 57.41 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 1@49 | DFT_64QAM | 16.14 | 1.36 | 17.5 | 56.23 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 50@0 | DFT_256QAM | 14.15 | 1.36 | 15.51 | 35.56 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 25@12 | DFT_256QAM | 14.15 | 1.36 | 15.51 | 35.56 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 1@1 | DFT_256QAM | 14.09 | 1.36 | 15.45 | 35.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 1@49 | DFT_256QAM | 14.08 | 1.36 | 15.44 | 34.99 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 51@0 | CP_QPSK | 15.74 | 1.36 | 17.1 | 51.29 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 25@12 | CP_QPSK | 17.29 | 1.36 | 18.65 | 73.28 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 1@1 | CP_QPSK | 17.28 | 1.36 | 18.64 | 73.11 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 1@49 | CP_QPSK | 17.18 | 1.36 | 18.54 | 71.45 | 1000 | PASS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 20 | 636000 | 51@0 | CP_16QAM | 15.74 | 1.36 | 17.1 | 51.29 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 25@12 | CP_16QAM | 16.9 | 1.36 | 18.26 | 66.99 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 1@1 | CP_16QAM | 16.73 | 1.36 | 18.09 | 64.42 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 1@49 | CP_16QAM | 16.6 | 1.36 | 17.96 | 62.52 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 51@0 | CP_64QAM | 15.23 | 1.36 | 16.59 | 45.6 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 25@12 | CP_64QAM | 15.31 | 1.36 | 16.67 | 46.45 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 1@1 | CP_64QAM | 15.02 | 1.36 | 16.38 | 43.45 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 1@49 | CP_64QAM | 14.96 | 1.36 | 16.32 | 42.85 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 51@0 | CP_256QAM | 12.22 | 1.36 | 13.58 | 22.8 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 25@12 | CP_256QAM | 12.19 | 1.36 | 13.55 | 22.65 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 1@1 | CP_256QAM | 12.15 | 1.36 | 13.51 | 22.44 | 1000 | PASS |
| n78(3450-3550) | 30 | 20 | 636000 | 1@49 | CP_256QAM | 12.16 | 1.36 | 13.52 | 22.49 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 100@0 | DFT_BPSK | 16.93 | 1.36 | 18.29 | 67.45 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 50@25 | DFT_BPSK | 17.52 | 1.36 | 18.88 | 77.27 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 1@1 | DFT_BPSK | 17.43 | 1.36 | 18.79 | 75.68 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 1@104 | DFT_BPSK | 17.35 | 1.36 | 18.71 | 74.3 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 100@0 | DFT_QPSK | 16.52 | 1.36 | 17.88 | 61.38 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 50@25 | DFT_QPSK | 17.52 | 1.36 | 18.88 | 77.27 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 1@1 | DFT_QPSK | 17.47 | 1.36 | 18.83 | 76.38 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 1@104 | DFT_QPSK | 17.4 | 1.36 | 18.76 | 75.16 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 100@0 | DFT_16QAM | 15.5 | 1.36 | 16.86 | 48.53 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 50@25 | DFT_16QAM | 16.48 | 1.36 | 17.84 | 60.81 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 1@1 | DFT_16QAM | 16.29 | 1.36 | 17.65 | 58.21 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 1@104 | DFT_16QAM | 16.23 | 1.36 | 17.59 | 57.41 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 100@0 | DFT_64QAM | 14.96 | 1.36 | 16.32 | 42.85 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 50@25 | DFT_64QAM | 15.06 | 1.36 | 16.42 | 43.85 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 1@1 | DFT_64QAM | 15.04 | 1.36 | 16.4 | 43.65 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 1@104 | DFT_64QAM | 14.9 | 1.36 | 16.26 | 42.27 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 100@0 | DFT_256QAM | 12.85 | 1.36 | 14.21 | 26.36 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 50@25 | DFT_256QAM | 12.87 | 1.36 | 14.23 | 26.49 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 1@1 | DFT_256QAM | 12.8 | 1.36 | 14.16 | 26.06 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 1@104 | DFT_256QAM | 12.72 | 1.36 | 14.08 | 25.59 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 106@0 | CP_QPSK | 14.36 | 1.36 | 15.72 | 37.33 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 53@26 | CP_QPSK | 16 | 1.36 | 17.36 | 54.45 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 1@1 | CP_QPSK | 15.99 | 1.36 | 17.35 | 54.33 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 1@104 | CP_QPSK | 15.92 | 1.36 | 17.28 | 53.46 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 106@0 | CP_16QAM | 14.4 | 1.36 | 15.76 | 37.67 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 53@26 | CP_16QAM | 15.49 | 1.36 | 16.85 | 48.42 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 1@1 | CP_16QAM | 15.52 | 1.36 | 16.88 | 48.75 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 1@104 | CP_16QAM | 15.41 | 1.36 | 16.77 | 47.53 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 106@0 | CP_64QAM | 13.87 | 1.36 | 15.23 | 33.34 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 53@26 | CP_64QAM | 13.93 | 1.36 | 15.29 | 33.81 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 1@1 | CP_64QAM | 13.62 | 1.36 | 14.98 | 31.48 | 1000 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 40 | 631334 | 1@104 | CP_64QAM | 13.52 | 1.36 | 14.88 | 30.76 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 106@0 | CP_256QAM | 10.83 | 1.36 | 12.19 | 16.56 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 53@26 | CP_256QAM | 10.91 | 1.36 | 12.27 | 16.87 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 1@1 | CP_256QAM | 10.91 | 1.36 | 12.27 | 16.87 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 631334 | 1@104 | CP_256QAM | 10.8 | 1.36 | 12.16 | 16.44 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 100@0 | DFT_BPSK | 17.36 | 1.36 | 18.72 | 74.47 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 50@25 | DFT_BPSK | 17.57 | 1.36 | 18.93 | 78.16 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 1@1 | DFT_BPSK | 17.45 | 1.36 | 18.81 | 76.03 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 1@104 | DFT_BPSK | 17.41 | 1.36 | 18.77 | 75.34 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 100@0 | DFT_QPSK | 16.55 | 1.36 | 17.91 | 61.8 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 50@25 | DFT_QPSK | 17.57 | 1.36 | 18.93 | 78.16 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 1@1 | DFT_QPSK | 17.52 | 1.36 | 18.88 | 77.27 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 1@104 | DFT_QPSK | 17.44 | 1.36 | 18.8 | 75.86 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 100@0 | DFT_16QAM | 15.55 | 1.36 | 16.91 | 49.09 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 50@25 | DFT_16QAM | 16.09 | 1.36 | 17.45 | 55.59 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 1@1 | DFT_16QAM | 16.32 | 1.36 | 17.68 | 58.61 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 1@104 | DFT_16QAM | 16.27 | 1.36 | 17.63 | 57.94 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 100@0 | DFT_64QAM | 15.05 | 1.36 | 16.41 | 43.75 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 50@25 | DFT_64QAM | 15.02 | 1.36 | 16.38 | 43.45 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 1@1 | DFT_64QAM | 15.03 | 1.36 | 16.39 | 43.55 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 1@104 | DFT_64QAM | 14.95 | 1.36 | 16.31 | 42.76 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 100@0 | DFT_256QAM | 12.89 | 1.36 | 14.25 | 26.61 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 50@25 | DFT_256QAM | 12.94 | 1.36 | 14.3 | 26.92 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 1@1 | DFT_256QAM | 12.7 | 1.36 | 14.06 | 25.47 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 1@104 | DFT_256QAM | 12.81 | 1.36 | 14.17 | 26.12 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 106@0 | CP_QPSK | 14.42 | 1.36 | 15.78 | 37.84 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 53@26 | CP_QPSK | 16.06 | 1.36 | 17.42 | 55.21 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 1@1 | CP_QPSK | 16.09 | 1.36 | 17.45 | 55.59 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 1@104 | CP_QPSK | 15.98 | 1.36 | 17.34 | 54.2 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 106@0 | CP_16QAM | 14.45 | 1.36 | 15.81 | 38.11 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 53@26 | CP_16QAM | 15.54 | 1.36 | 16.9 | 48.98 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 1@1 | CP_16QAM | 15.57 | 1.36 | 16.93 | 49.32 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 1@104 | CP_16QAM | 13.36 | 1.36 | 14.72 | 29.65 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 106@0 | CP_64QAM | 13.93 | 1.36 | 15.29 | 33.81 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 53@26 | CP_64QAM | 14 | 1.36 | 15.36 | 34.36 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 1@1 | CP_64QAM | 13.6 | 1.36 | 14.96 | 31.33 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 1@104 | CP_64QAM | 13.67 | 1.36 | 15.03 | 31.84 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 106@0 | CP_256QAM | 10.91 | 1.36 | 12.27 | 16.87 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 53@26 | CP_256QAM | 10.97 | 1.36 | 12.33 | 17.1 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 1@1 | CP_256QAM | 10.82 | 1.36 | 12.18 | 16.52 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 1@104 | CP_256QAM | 10.91 | 1.36 | 12.27 | 16.87 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 100@0 | DFT_BPSK | 16.69 | 1.36 | 18.05 | 63.83 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 50@25 | DFT_BPSK | 17.65 | 1.36 | 19.01 | 79.62 | 1000 | PASS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 40 | 635332 | 1@1 | DFT_BPSK | 17.53 | 1.36 | 18.89 | 77.45 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 1@104 | DFT_BPSK | 17.45 | 1.36 | 18.81 | 76.03 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 100@0 | DFT_QPSK | 16.65 | 1.36 | 18.01 | 63.24 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 50@25 | DFT_QPSK | 17.63 | 1.36 | 18.99 | 79.25 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 1@1 | DFT_QPSK | 17.59 | 1.36 | 18.95 | 78.52 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 1@104 | DFT_QPSK | 17.55 | 1.36 | 18.91 | 77.8 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 100@0 | DFT_16QAM | 15.62 | 1.36 | 16.98 | 49.89 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 50@25 | DFT_16QAM | 16.63 | 1.36 | 17.99 | 62.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 1@1 | DFT_16QAM | 16.11 | 1.36 | 17.47 | 55.85 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 1@104 | DFT_16QAM | 16.36 | 1.36 | 17.72 | 59.16 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 100@0 | DFT_64QAM | 15.15 | 1.36 | 16.51 | 44.77 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 50@25 | DFT_64QAM | 15.13 | 1.36 | 16.49 | 44.57 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 1@1 | DFT_64QAM | 15.01 | 1.36 | 16.37 | 43.35 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 1@104 | DFT_64QAM | 14.95 | 1.36 | 16.31 | 42.76 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 100@0 | DFT_256QAM | 13.06 | 1.36 | 14.42 | 27.67 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 50@25 | DFT_256QAM | 13.04 | 1.36 | 14.4 | 27.54 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 1@1 | DFT_256QAM | 12.94 | 1.36 | 14.3 | 26.92 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 1@104 | DFT_256QAM | 12.89 | 1.36 | 14.25 | 26.61 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 106@0 | CP_QPSK | 14.56 | 1.36 | 15.92 | 39.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 53@26 | CP_QPSK | 16.18 | 1.36 | 17.54 | 56.75 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 1@1 | CP_QPSK | 16.09 | 1.36 | 17.45 | 55.59 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 1@104 | CP_QPSK | 16 | 1.36 | 17.36 | 54.45 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 106@0 | CP_16QAM | 14.58 | 1.36 | 15.94 | 39.26 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 53@26 | CP_16QAM | 15.61 | 1.36 | 16.97 | 49.77 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 1@1 | CP_16QAM | 15.51 | 1.36 | 16.87 | 48.64 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 1@104 | CP_16QAM | 15.51 | 1.36 | 16.87 | 48.64 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 106@0 | CP_64QAM | 14.2 | 1.36 | 15.56 | 35.97 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 53@26 | CP_64QAM | 14.07 | 1.36 | 15.43 | 34.91 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 1@1 | CP_64QAM | 13.83 | 1.36 | 15.19 | 33.04 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 1@104 | CP_64QAM | 13.72 | 1.36 | 15.08 | 32.21 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 106@0 | CP_256QAM | 11.07 | 1.36 | 12.43 | 17.5 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 53@26 | CP_256QAM | 11.06 | 1.36 | 12.42 | 17.46 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 1@1 | CP_256QAM | 11.04 | 1.36 | 12.4 | 17.38 | 1000 | PASS |
| n78(3450-3550) | 30 | 40 | 635332 | 1@104 | CP_256QAM | 10.98 | 1.36 | 12.34 | 17.14 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 128@0 | DFT_BPSK | 16.66 | 1.36 | 18.02 | 63.39 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 64@32 | DFT_BPSK | 17.57 | 1.36 | 18.93 | 78.16 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 1@1 | DFT_BPSK | 17.4 | 1.36 | 18.76 | 75.16 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 1@131 | DFT_BPSK | 17.41 | 1.36 | 18.77 | 75.34 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 128@0 | DFT_QPSK | 16.48 | 1.36 | 17.84 | 60.81 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 64@32 | DFT_QPSK | 17.51 | 1.36 | 18.87 | 77.09 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 1@1 | DFT_QPSK | 17.44 | 1.36 | 18.8 | 75.86 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 1@131 | DFT_QPSK | 17.46 | 1.36 | 18.82 | 76.21 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 128@0 | DFT_16QAM | 15.48 | 1.36 | 16.84 | 48.31 | 1000 | PASS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 50 | 631668 | 64@32 | DFT_16QAM | 16.4 | 1.36 | 17.76 | 59.7 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 1@1 | DFT_16QAM | 16.23 | 1.36 | 17.59 | 57.41 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 1@131 | DFT_16QAM | 16.27 | 1.36 | 17.63 | 57.94 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 128@0 | DFT_64QAM | 14.23 | 1.36 | 15.59 | 36.22 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 64@32 | DFT_64QAM | 14.95 | 1.36 | 16.31 | 42.76 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 1@1 | DFT_64QAM | 14.97 | 1.36 | 16.33 | 42.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 1@131 | DFT_64QAM | 14.97 | 1.36 | 16.33 | 42.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 128@0 | DFT_256QAM | 12.88 | 1.36 | 14.24 | 26.55 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 64@32 | DFT_256QAM | 12.88 | 1.36 | 14.24 | 26.55 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 1@1 | DFT_256QAM | 12.76 | 1.36 | 14.12 | 25.82 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 1@131 | DFT_256QAM | 12.74 | 1.36 | 14.1 | 25.7 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 133@0 | CP_QPSK | 14.33 | 1.36 | 15.69 | 37.07 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 67@33 | CP_QPSK | 15.97 | 1.36 | 17.33 | 54.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 1@1 | CP_QPSK | 15.95 | 1.36 | 17.31 | 53.83 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 1@131 | CP_QPSK | 16 | 1.36 | 17.36 | 54.45 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 133@0 | CP_16QAM | 14.33 | 1.36 | 15.69 | 37.07 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 67@33 | CP_16QAM | 15.51 | 1.36 | 16.87 | 48.64 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 1@1 | CP_16QAM | 15.55 | 1.36 | 16.91 | 49.09 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 1@131 | CP_16QAM | 15.52 | 1.36 | 16.88 | 48.75 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 133@0 | CP_64QAM | 13.86 | 1.36 | 15.22 | 33.27 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 67@33 | CP_64QAM | 13.89 | 1.36 | 15.25 | 33.5 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 1@1 | CP_64QAM | 13.36 | 1.36 | 14.72 | 29.65 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 1@131 | CP_64QAM | 13.5 | 1.36 | 14.86 | 30.62 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 133@0 | CP_256QAM | 10.84 | 1.36 | 12.2 | 16.6 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 67@33 | CP_256QAM | 10.85 | 1.36 | 12.21 | 16.63 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 1@1 | CP_256QAM | 10.81 | 1.36 | 12.17 | 16.48 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 631668 | 1@131 | CP_256QAM | 10.79 | 1.36 | 12.15 | 16.41 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 128@0 | DFT_BPSK | 17.1 | 1.36 | 18.46 | 70.15 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 64@32 | DFT_BPSK | 17.64 | 1.36 | 19 | 79.43 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 1@1 | DFT_BPSK | 17.46 | 1.36 | 18.82 | 76.21 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 1@131 | DFT_BPSK | 17.44 | 1.36 | 18.8 | 75.86 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 128@0 | DFT_QPSK | 16.56 | 1.36 | 17.92 | 61.94 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 64@32 | DFT_QPSK | 17.6 | 1.36 | 18.96 | 78.7 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 1@1 | DFT_QPSK | 17.5 | 1.36 | 18.86 | 76.91 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 1@131 | DFT_QPSK | 17.46 | 1.36 | 18.82 | 76.21 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 128@0 | DFT_16QAM | 15.56 | 1.36 | 16.92 | 49.2 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 64@32 | DFT_16QAM | 16.52 | 1.36 | 17.88 | 61.38 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 1@1 | DFT_16QAM | 16.31 | 1.36 | 17.67 | 58.48 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 1@131 | DFT_16QAM | 16.33 | 1.36 | 17.69 | 58.75 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 128@0 | DFT_64QAM | 15.06 | 1.36 | 16.42 | 43.85 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 64@32 | DFT_64QAM | 14.5 | 1.36 | 15.86 | 38.55 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 1@1 | DFT_64QAM | 14.99 | 1.36 | 16.35 | 43.15 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 1@131 | DFT_64QAM | 14.98 | 1.36 | 16.34 | 43.05 | 1000 | PASS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 50 | 633334 | 128@0 | DFT_256QAM | 12.93 | 1.36 | 14.29 | 26.85 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 64@32 | DFT_256QAM | 12.98 | 1.36 | 14.34 | 27.16 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 1@1 | DFT_256QAM | 12.71 | 1.36 | 14.07 | 25.53 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 1@131 | DFT_256QAM | 12.8 | 1.36 | 14.16 | 26.06 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 133@0 | CP_QPSK | 14.44 | 1.36 | 15.8 | 38.02 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 67@33 | CP_QPSK | 16.06 | 1.36 | 17.42 | 55.21 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 1@1 | CP_QPSK | 16.07 | 1.36 | 17.43 | 55.34 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 1@131 | CP_QPSK | 15.98 | 1.36 | 17.34 | 54.2 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 133@0 | CP_16QAM | 14.4 | 1.36 | 15.76 | 37.67 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 67@33 | CP_16QAM | 15.59 | 1.36 | 16.95 | 49.55 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 1@1 | CP_16QAM | 15.63 | 1.36 | 16.99 | 50 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 1@131 | CP_16QAM | 15.45 | 1.36 | 16.81 | 47.97 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 133@0 | CP_64QAM | 13.93 | 1.36 | 15.29 | 33.81 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 67@33 | CP_64QAM | 13.99 | 1.36 | 15.35 | 34.28 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 1@1 | CP_64QAM | 13.53 | 1.36 | 14.89 | 30.83 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 1@131 | CP_64QAM | 13.23 | 1.36 | 14.59 | 28.77 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 133@0 | CP_256QAM | 10.9 | 1.36 | 12.26 | 16.83 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 67@33 | CP_256QAM | 10.96 | 1.36 | 12.32 | 17.06 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 1@1 | CP_256QAM | 10.79 | 1.36 | 12.15 | 16.41 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 1@131 | CP_256QAM | 10.83 | 1.36 | 12.19 | 16.56 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 128@0 | DFT_BPSK | 17.12 | 1.36 | 18.48 | 70.47 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 64@32 | DFT_BPSK | 17.57 | 1.36 | 18.93 | 78.16 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 1@1 | DFT_BPSK | 17.52 | 1.36 | 18.88 | 77.27 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 1@131 | DFT_BPSK | 17.37 | 1.36 | 18.73 | 74.64 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 128@0 | DFT_QPSK | 16.6 | 1.36 | 17.96 | 62.52 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 64@32 | DFT_QPSK | 17.53 | 1.36 | 18.89 | 77.45 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 1@1 | DFT_QPSK | 17.54 | 1.36 | 18.9 | 77.62 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 1@131 | DFT_QPSK | 17.43 | 1.36 | 18.79 | 75.68 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 128@0 | DFT_16QAM | 15.63 | 1.36 | 16.99 | 50 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 64@32 | DFT_16QAM | 16.47 | 1.36 | 17.83 | 60.67 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 1@1 | DFT_16QAM | 16.38 | 1.36 | 17.74 | 59.43 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 1@131 | DFT_16QAM | 16.3 | 1.36 | 17.66 | 58.34 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 128@0 | DFT_64QAM | 15.05 | 1.36 | 16.41 | 43.75 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 64@32 | DFT_64QAM | 15.26 | 1.36 | 16.62 | 45.92 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 1@1 | DFT_64QAM | 15.13 | 1.36 | 16.49 | 44.57 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 1@131 | DFT_64QAM | 15.03 | 1.36 | 16.39 | 43.55 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 128@0 | DFT_256QAM | 12.97 | 1.36 | 14.33 | 27.1 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 64@32 | DFT_256QAM | 12.95 | 1.36 | 14.31 | 26.98 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 1@1 | DFT_256QAM | 12.8 | 1.36 | 14.16 | 26.06 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 1@131 | DFT_256QAM | 12.75 | 1.36 | 14.11 | 25.76 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 133@0 | CP_QPSK | 14.46 | 1.36 | 15.82 | 38.19 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 67@33 | CP_QPSK | 15.98 | 1.36 | 17.34 | 54.2 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 1@1 | CP_QPSK | 16.23 | 1.36 | 17.59 | 57.41 | 1000 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 50 | 635000 | 1@131 | CP_QPSK | 16.04 | 1.36 | 17.4 | 54.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 133@0 | CP_16QAM | 14.45 | 1.36 | 15.81 | 38.11 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 67@33 | CP_16QAM | 15.51 | 1.36 | 16.87 | 48.64 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 1@1 | CP_16QAM | 15.66 | 1.36 | 17.02 | 50.35 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 1@131 | CP_16QAM | 15.51 | 1.36 | 16.87 | 48.64 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 133@0 | CP_64QAM | 13.94 | 1.36 | 15.3 | 33.88 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 67@33 | CP_64QAM | 13.96 | 1.36 | 15.32 | 34.04 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 1@1 | CP_64QAM | 13.6 | 1.36 | 14.96 | 31.33 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 1@131 | CP_64QAM | 13.22 | 1.36 | 14.58 | 28.71 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 133@0 | CP_256QAM | 10.9 | 1.36 | 12.26 | 16.83 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 67@33 | CP_256QAM | 10.93 | 1.36 | 12.29 | 16.94 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 1@1 | CP_256QAM | 10.87 | 1.36 | 12.23 | 16.71 | 1000 | PASS |
| n78(3450-3550) | 30 | 50 | 635000 | 1@131 | CP_256QAM | 10.82 | 1.36 | 12.18 | 16.52 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 162@0 | DFT_BPSK | 16.95 | 1.36 | 18.31 | 67.76 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 81@40 | DFT_BPSK | 17.47 | 1.36 | 18.83 | 76.38 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 1@1 | DFT_BPSK | 17.4 | 1.36 | 18.76 | 75.16 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 1@160 | DFT_BPSK | 17.39 | 1.36 | 18.75 | 74.99 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 162@0 | DFT_QPSK | 16.48 | 1.36 | 17.84 | 60.81 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 81@40 | DFT_QPSK | 17.54 | 1.36 | 18.9 | 77.62 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 1@1 | DFT_QPSK | 17.45 | 1.36 | 18.81 | 76.03 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 1@160 | DFT_QPSK | 17.42 | 1.36 | 18.78 | 75.51 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 162@0 | DFT_16QAM | 15.47 | 1.36 | 16.83 | 48.19 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 81@40 | DFT_16QAM | 16.48 | 1.36 | 17.84 | 60.81 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 1@1 | DFT_16QAM | 16.26 | 1.36 | 17.62 | 57.81 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 1@160 | DFT_16QAM | 16.23 | 1.36 | 17.59 | 57.41 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 162@0 | DFT_64QAM | 14.96 | 1.36 | 16.32 | 42.85 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 81@40 | DFT_64QAM | 14.16 | 1.36 | 15.52 | 35.65 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 1@1 | DFT_64QAM | 14.89 | 1.36 | 16.25 | 42.17 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 1@160 | DFT_64QAM | 14.86 | 1.36 | 16.22 | 41.88 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 162@0 | DFT_256QAM | 12.87 | 1.36 | 14.23 | 26.49 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 81@40 | DFT_256QAM | 12.85 | 1.36 | 14.21 | 26.36 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 1@1 | DFT_256QAM | 12.79 | 1.36 | 14.15 | 26 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 1@160 | DFT_256QAM | 12.77 | 1.36 | 14.13 | 25.88 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 162@0 | CP_QPSK | 14.36 | 1.36 | 15.72 | 37.33 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 81@40 | CP_QPSK | 15.96 | 1.36 | 17.32 | 53.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 1@1 | CP_QPSK | 15.96 | 1.36 | 17.32 | 53.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 1@160 | CP_QPSK | 15.89 | 1.36 | 17.25 | 53.09 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 162@0 | CP_16QAM | 14.35 | 1.36 | 15.71 | 37.24 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 81@40 | CP_16QAM | 15.45 | 1.36 | 16.81 | 47.97 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 1@1 | CP_16QAM | 15.41 | 1.36 | 16.77 | 47.53 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 1@160 | CP_16QAM | 15.4 | 1.36 | 16.76 | 47.42 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 162@0 | CP_64QAM | 13.89 | 1.36 | 15.25 | 33.5 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 81@40 | CP_64QAM | 13.84 | 1.36 | 15.2 | 33.11 | 1000 | PASS |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 60 | 632000 | 1@1 | CP_64QAM | 13.58 | 1.36 | 14.94 | 31.19 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 1@160 | CP_64QAM | 13.53 | 1.36 | 14.89 | 30.83 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 162@0 | CP_256QAM | 10.87 | 1.36 | 12.23 | 16.71 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 81@40 | CP_256QAM | 10.83 | 1.36 | 12.19 | 16.56 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 1@1 | CP_256QAM | 10.87 | 1.36 | 12.23 | 16.71 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 632000 | 1@160 | CP_256QAM | 10.8 | 1.36 | 12.16 | 16.44 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 162@0 | DFT_BPSK | 17 | 1.36 | 18.36 | 68.55 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 81@40 | DFT_BPSK | 17.58 | 1.36 | 18.94 | 78.34 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 1@1 | DFT_BPSK | 17.48 | 1.36 | 18.84 | 76.56 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 1@160 | DFT_BPSK | 17.42 | 1.36 | 18.78 | 75.51 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 162@0 | DFT_QPSK | 16.69 | 1.36 | 18.05 | 63.83 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 81@40 | DFT_QPSK | 17.62 | 1.36 | 18.98 | 79.07 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 1@1 | DFT_QPSK | 17.51 | 1.36 | 18.87 | 77.09 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 1@160 | DFT_QPSK | 17.44 | 1.36 | 18.8 | 75.86 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 162@0 | DFT_16QAM | 15.51 | 1.36 | 16.87 | 48.64 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 81@40 | DFT_16QAM | 16.63 | 1.36 | 17.99 | 62.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 1@1 | DFT_16QAM | 16.36 | 1.36 | 17.72 | 59.16 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 1@160 | DFT_16QAM | 16.29 | 1.36 | 17.65 | 58.21 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 162@0 | DFT_64QAM | 15.04 | 1.36 | 16.4 | 43.65 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 81@40 | DFT_64QAM | 15.03 | 1.36 | 16.39 | 43.55 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 1@1 | DFT_64QAM | 15.03 | 1.36 | 16.39 | 43.55 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 1@160 | DFT_64QAM | 14.93 | 1.36 | 16.29 | 42.56 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 162@0 | DFT_256QAM | 12.91 | 1.36 | 14.27 | 26.73 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 81@40 | DFT_256QAM | 12.94 | 1.36 | 14.3 | 26.92 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 1@1 | DFT_256QAM | 12.78 | 1.36 | 14.14 | 25.94 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 1@160 | DFT_256QAM | 12.78 | 1.36 | 14.14 | 25.94 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 162@0 | CP_QPSK | 14.4 | 1.36 | 15.76 | 37.67 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 81@40 | CP_QPSK | 16.14 | 1.36 | 17.5 | 56.23 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 1@1 | CP_QPSK | 16.05 | 1.36 | 17.41 | 55.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 1@160 | CP_QPSK | 16.35 | 1.36 | 17.71 | 59.02 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 162@0 | CP_16QAM | 14.38 | 1.36 | 15.74 | 37.5 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 81@40 | CP_16QAM | 15.54 | 1.36 | 16.9 | 48.98 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 1@1 | CP_16QAM | 15.56 | 1.36 | 16.92 | 49.2 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 1@160 | CP_16QAM | 15.5 | 1.36 | 16.86 | 48.53 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 162@0 | CP_64QAM | 13.88 | 1.36 | 15.24 | 33.42 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 81@40 | CP_64QAM | 13.96 | 1.36 | 15.32 | 34.04 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 1@1 | CP_64QAM | 13.56 | 1.36 | 14.92 | 31.05 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 1@160 | CP_64QAM | 13.57 | 1.36 | 14.93 | 31.12 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 162@0 | CP_256QAM | 10.23 | 1.36 | 11.59 | 14.42 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 81@40 | CP_256QAM | 10.91 | 1.36 | 12.27 | 16.87 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 1@1 | CP_256QAM | 10.88 | 1.36 | 12.24 | 16.75 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 1@160 | CP_256QAM | 10.86 | 1.36 | 12.22 | 16.67 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 162@0 | DFT_BPSK | 17.03 | 1.36 | 18.39 | 69.02 | 1000 | PASS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 60 | 634666 | 81@40 | DFT_BPSK | 17.57 | 1.36 | 18.93 | 78.16 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 1@1 | DFT_BPSK | 17.41 | 1.36 | 18.77 | 75.34 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 1@160 | DFT_BPSK | 17.38 | 1.36 | 18.74 | 74.82 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 162@0 | DFT_QPSK | 17.25 | 1.36 | 18.61 | 72.61 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 81@40 | DFT_QPSK | 17.58 | 1.36 | 18.94 | 78.34 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 1@1 | DFT_QPSK | 17.45 | 1.36 | 18.81 | 76.03 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 1@160 | DFT_QPSK | 17.42 | 1.36 | 18.78 | 75.51 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 162@0 | DFT_16QAM | 15.52 | 1.36 | 16.88 | 48.75 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 81@40 | DFT_16QAM | 16.59 | 1.36 | 17.95 | 62.37 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 1@1 | DFT_16QAM | 16.29 | 1.36 | 17.65 | 58.21 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 1@160 | DFT_16QAM | 16.2 | 1.36 | 17.56 | 57.02 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 162@0 | DFT_64QAM | 15.03 | 1.36 | 16.39 | 43.55 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 81@40 | DFT_64QAM | 15.12 | 1.36 | 16.48 | 44.46 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 1@1 | DFT_64QAM | 14.95 | 1.36 | 16.31 | 42.76 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 1@160 | DFT_64QAM | 14.79 | 1.36 | 16.15 | 41.21 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 162@0 | DFT_256QAM | 13.21 | 1.36 | 14.57 | 28.64 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 81@40 | DFT_256QAM | 13 | 1.36 | 14.36 | 27.29 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 1@1 | DFT_256QAM | 12.8 | 1.36 | 14.16 | 26.06 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 1@160 | DFT_256QAM | 12.74 | 1.36 | 14.1 | 25.7 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 162@0 | CP_QPSK | 14.43 | 1.36 | 15.79 | 37.93 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 81@40 | CP_QPSK | 16.02 | 1.36 | 17.38 | 54.7 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 1@1 | CP_QPSK | 15.94 | 1.36 | 17.3 | 53.7 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 1@160 | CP_QPSK | 15.88 | 1.36 | 17.24 | 52.97 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 162@0 | CP_16QAM | 14.44 | 1.36 | 15.8 | 38.02 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 81@40 | CP_16QAM | 15.26 | 1.36 | 16.62 | 45.92 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 1@1 | CP_16QAM | 15.46 | 1.36 | 16.82 | 48.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 1@160 | CP_16QAM | 15.21 | 1.36 | 16.57 | 45.39 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 162@0 | CP_64QAM | 13.95 | 1.36 | 15.31 | 33.96 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 81@40 | CP_64QAM | 13.97 | 1.36 | 15.33 | 34.12 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 1@1 | CP_64QAM | 13.6 | 1.36 | 14.96 | 31.33 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 1@160 | CP_64QAM | 13.55 | 1.36 | 14.91 | 30.97 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 162@0 | CP_256QAM | 10.91 | 1.36 | 12.27 | 16.87 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 81@40 | CP_256QAM | 10.95 | 1.36 | 12.31 | 17.02 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 1@1 | CP_256QAM | 10.85 | 1.36 | 12.21 | 16.63 | 1000 | PASS |
| n78(3450-3550) | 30 | 60 | 634666 | 1@160 | CP_256QAM | 10.8 | 1.36 | 12.16 | 16.44 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 180@0 | DFT_BPSK | 18.12 | 1.36 | 19.48 | 88.72 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 90@45 | DFT_BPSK | 18.64 | 1.36 | 20 | 100 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 1@1 | DFT_BPSK | 18.56 | 1.36 | 19.92 | 98.17 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 1@187 | DFT_BPSK | 18.41 | 1.36 | 19.77 | 94.84 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 180@0 | DFT_QPSK | 17.63 | 1.36 | 18.99 | 79.25 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 90@45 | DFT_QPSK | 18.62 | 1.36 | 19.98 | 99.54 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 1@1 | DFT_QPSK | 18.54 | 1.36 | 19.9 | 97.72 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 1@187 | DFT_QPSK | 18.46 | 1.36 | 19.82 | 95.94 | 1000 | PASS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 70 | 632334 | 180@0 | DFT_16QAM | 16.65 | 1.36 | 18.01 | 63.24 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 90@45 | DFT_16QAM | 17.63 | 1.36 | 18.99 | 79.25 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 1@1 | DFT_16QAM | 17.38 | 1.36 | 18.74 | 74.82 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 1@187 | DFT_16QAM | 17.27 | 1.36 | 18.63 | 72.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 180@0 | DFT_64QAM | 16.17 | 1.36 | 17.53 | 56.62 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 90@45 | DFT_64QAM | 16.32 | 1.36 | 17.68 | 58.61 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 1@1 | DFT_64QAM | 16 | 1.36 | 17.36 | 54.45 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 1@187 | DFT_64QAM | 15.86 | 1.36 | 17.22 | 52.72 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 180@0 | DFT_256QAM | 14.07 | 1.36 | 15.43 | 34.91 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 90@45 | DFT_256QAM | 14.08 | 1.36 | 15.44 | 34.99 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 1@1 | DFT_256QAM | 13.21 | 1.36 | 14.57 | 28.64 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 1@187 | DFT_256QAM | 13.83 | 1.36 | 15.19 | 33.04 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 189@0 | CP_QPSK | 15.67 | 1.36 | 17.03 | 50.47 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 95@47 | CP_QPSK | 17.14 | 1.36 | 18.5 | 70.79 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 1@1 | CP_QPSK | 17.1 | 1.36 | 18.46 | 70.15 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 1@187 | CP_QPSK | 16.96 | 1.36 | 18.32 | 67.92 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 189@0 | CP_16QAM | 15.62 | 1.36 | 16.98 | 49.89 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 95@47 | CP_16QAM | 16.62 | 1.36 | 17.98 | 62.81 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 1@1 | CP_16QAM | 16.49 | 1.36 | 17.85 | 60.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 1@187 | CP_16QAM | 16.44 | 1.36 | 17.8 | 60.26 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 189@0 | CP_64QAM | 15.1 | 1.36 | 16.46 | 44.26 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 95@47 | CP_64QAM | 15.1 | 1.36 | 16.46 | 44.26 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 1@1 | CP_64QAM | 14.78 | 1.36 | 16.14 | 41.11 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 1@187 | CP_64QAM | 14.7 | 1.36 | 16.06 | 40.36 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 189@0 | CP_256QAM | 12.14 | 1.36 | 13.5 | 22.39 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 95@47 | CP_256QAM | 12.04 | 1.36 | 13.4 | 21.88 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 1@1 | CP_256QAM | 12.09 | 1.36 | 13.45 | 22.13 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 632334 | 1@187 | CP_256QAM | 11.88 | 1.36 | 13.24 | 21.09 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 180@0 | DFT_BPSK | 17.68 | 1.36 | 19.04 | 80.17 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 90@45 | DFT_BPSK | 18.73 | 1.36 | 20.09 | 102.09 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 1@1 | DFT_BPSK | 18.68 | 1.36 | 20.04 | 100.93 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 1@187 | DFT_BPSK | 18.5 | 1.36 | 19.86 | 96.83 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 180@0 | DFT_QPSK | 17.68 | 1.36 | 19.04 | 80.17 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 90@45 | DFT_QPSK | 18.71 | 1.36 | 20.07 | 101.62 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 1@1 | DFT_QPSK | 18.68 | 1.36 | 20.04 | 100.93 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 1@187 | DFT_QPSK | 18.56 | 1.36 | 19.92 | 98.17 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 180@0 | DFT_16QAM | 16.72 | 1.36 | 18.08 | 64.27 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 90@45 | DFT_16QAM | 17.7 | 1.36 | 19.06 | 80.54 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 1@1 | DFT_16QAM | 17.52 | 1.36 | 18.88 | 77.27 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 1@187 | DFT_16QAM | 17.36 | 1.36 | 18.72 | 74.47 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 180@0 | DFT_64QAM | 16.2 | 1.36 | 17.56 | 57.02 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 90@45 | DFT_64QAM | 16.21 | 1.36 | 17.57 | 57.15 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 1@1 | DFT_64QAM | 16.11 | 1.36 | 17.47 | 55.85 | 1000 | PASS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 70 | 633334 | 1@187 | DFT_64QAM | 15.98 | 1.36 | 17.34 | 54.2 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 180@0 | DFT_256QAM | 14.1 | 1.36 | 15.46 | 35.16 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 90@45 | DFT_256QAM | 14.15 | 1.36 | 15.51 | 35.56 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 1@1 | DFT_256QAM | 14.36 | 1.36 | 15.72 | 37.33 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 1@187 | DFT_256QAM | 13.9 | 1.36 | 15.26 | 33.57 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 189@0 | CP_QPSK | 15.72 | 1.36 | 17.08 | 51.05 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 95@47 | CP_QPSK | 17.21 | 1.36 | 18.57 | 71.94 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 1@1 | CP_QPSK | 17.24 | 1.36 | 18.6 | 72.44 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 1@187 | CP_QPSK | 17 | 1.36 | 18.36 | 68.55 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 189@0 | CP_16QAM | 15.69 | 1.36 | 17.05 | 50.7 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 95@47 | CP_16QAM | 16.71 | 1.36 | 18.07 | 64.12 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 1@1 | CP_16QAM | 16.66 | 1.36 | 18.02 | 63.39 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 1@187 | CP_16QAM | 16.44 | 1.36 | 17.8 | 60.26 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 189@0 | CP_64QAM | 15.16 | 1.36 | 16.52 | 44.87 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 95@47 | CP_64QAM | 15.19 | 1.36 | 16.55 | 45.19 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 1@1 | CP_64QAM | 14.97 | 1.36 | 16.33 | 42.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 1@187 | CP_64QAM | 14.79 | 1.36 | 16.15 | 41.21 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 189@0 | CP_256QAM | 12.21 | 1.36 | 13.57 | 22.75 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 95@47 | CP_256QAM | 12.11 | 1.36 | 13.47 | 22.23 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 1@1 | CP_256QAM | 12.11 | 1.36 | 13.47 | 22.23 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 1@187 | CP_256QAM | 11.93 | 1.36 | 13.29 | 21.33 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 180@0 | DFT_BPSK | 17.56 | 1.36 | 18.92 | 77.98 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 90@45 | DFT_BPSK | 18.75 | 1.36 | 20.11 | 102.57 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 1@1 | DFT_BPSK | 18.66 | 1.36 | 20.02 | 100.46 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 1@187 | DFT_BPSK | 18.48 | 1.36 | 19.84 | 96.38 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 180@0 | DFT_QPSK | 17.7 | 1.36 | 19.06 | 80.54 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 90@45 | DFT_QPSK | 18.69 | 1.36 | 20.05 | 101.16 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 1@1 | DFT_QPSK | 18.69 | 1.36 | 20.05 | 101.16 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 1@187 | DFT_QPSK | 18.53 | 1.36 | 19.89 | 97.5 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 180@0 | DFT_16QAM | 16.73 | 1.36 | 18.09 | 64.42 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 90@45 | DFT_16QAM | 17.73 | 1.36 | 19.09 | 81.1 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 1@1 | DFT_16QAM | 17.49 | 1.36 | 18.85 | 76.74 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 1@187 | DFT_16QAM | 17.29 | 1.36 | 18.65 | 73.28 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 180@0 | DFT_64QAM | 16.25 | 1.36 | 17.61 | 57.68 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 90@45 | DFT_64QAM | 16.23 | 1.36 | 17.59 | 57.41 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 1@1 | DFT_64QAM | 16.07 | 1.36 | 17.43 | 55.34 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 1@187 | DFT_64QAM | 15.99 | 1.36 | 17.35 | 54.33 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 180@0 | DFT_256QAM | 14.12 | 1.36 | 15.48 | 35.32 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 90@45 | DFT_256QAM | 14.18 | 1.36 | 15.54 | 35.81 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 1@1 | DFT_256QAM | 13.98 | 1.36 | 15.34 | 34.2 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 1@187 | DFT_256QAM | 13.87 | 1.36 | 15.23 | 33.34 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 189@0 | CP_QPSK | 15.75 | 1.36 | 17.11 | 51.4 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 95@47 | CP_QPSK | 17.2 | 1.36 | 18.56 | 71.78 | 1000 | PASS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 70 | 634332 | 1@1 | CP_QPSK | 17.19 | 1.36 | 18.55 | 71.61 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 1@187 | CP_QPSK | 17.02 | 1.36 | 18.38 | 68.87 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 189@0 | CP_16QAM | 15.71 | 1.36 | 17.07 | 50.93 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 95@47 | CP_16QAM | 16.73 | 1.36 | 18.09 | 64.42 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 1@1 | CP_16QAM | 16.62 | 1.36 | 17.98 | 62.81 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 1@187 | CP_16QAM | 16.46 | 1.36 | 17.82 | 60.53 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 189@0 | CP_64QAM | 15.18 | 1.36 | 16.54 | 45.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 95@47 | CP_64QAM | 15.18 | 1.36 | 16.54 | 45.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 1@1 | CP_64QAM | 14.95 | 1.36 | 16.31 | 42.76 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 1@187 | CP_64QAM | 14.56 | 1.36 | 15.92 | 39.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 189@0 | CP_256QAM | 12.13 | 1.36 | 13.49 | 22.34 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 95@47 | CP_256QAM | 12.14 | 1.36 | 13.5 | 22.39 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 1@1 | CP_256QAM | 12.05 | 1.36 | 13.41 | 21.93 | 1000 | PASS |
| n78(3450-3550) | 30 | 70 | 634332 | 1@187 | CP_256QAM | 11.94 | 1.36 | 13.3 | 21.38 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 216@0 | DFT_BPSK | 18.18 | 1.36 | 19.54 | 89.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 108@54 | DFT_BPSK | 18.7 | 1.36 | 20.06 | 101.39 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 1@1 | DFT_BPSK | 18.68 | 1.36 | 20.04 | 100.93 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 1@215 | DFT_BPSK | 18.55 | 1.36 | 19.91 | 97.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 216@0 | DFT_QPSK | 17.68 | 1.36 | 19.04 | 80.17 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 108@54 | DFT_QPSK | 18.71 | 1.36 | 20.07 | 101.62 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 1@1 | DFT_QPSK | 18.64 | 1.36 | 20 | 100 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 1@215 | DFT_QPSK | 18.54 | 1.36 | 19.9 | 97.72 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 216@0 | DFT_16QAM | 16.63 | 1.36 | 17.99 | 62.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 108@54 | DFT_16QAM | 17.7 | 1.36 | 19.06 | 80.54 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 1@1 | DFT_16QAM | 17.51 | 1.36 | 18.87 | 77.09 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 1@215 | DFT_16QAM | 17.37 | 1.36 | 18.73 | 74.64 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 216@0 | DFT_64QAM | 16.14 | 1.36 | 17.5 | 56.23 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 108@54 | DFT_64QAM | 16.21 | 1.36 | 17.57 | 57.15 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 1@1 | DFT_64QAM | 16.16 | 1.36 | 17.52 | 56.49 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 1@215 | DFT_64QAM | 16.05 | 1.36 | 17.41 | 55.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 216@0 | DFT_256QAM | 14.11 | 1.36 | 15.47 | 35.24 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 108@54 | DFT_256QAM | 14.14 | 1.36 | 15.5 | 35.48 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 1@1 | DFT_256QAM | 14.07 | 1.36 | 15.43 | 34.91 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 1@215 | DFT_256QAM | 13.9 | 1.36 | 15.26 | 33.57 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 217@0 | CP_QPSK | 15.66 | 1.36 | 17.02 | 50.35 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 109@54 | CP_QPSK | 17.2 | 1.36 | 18.56 | 71.78 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 1@1 | CP_QPSK | 17.16 | 1.36 | 18.52 | 71.12 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 1@215 | CP_QPSK | 17.01 | 1.36 | 18.37 | 68.71 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 217@0 | CP_16QAM | 15.69 | 1.36 | 17.05 | 50.7 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 109@54 | CP_16QAM | 16.7 | 1.36 | 18.06 | 63.97 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 1@1 | CP_16QAM | 16.68 | 1.36 | 18.04 | 63.68 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 1@215 | CP_16QAM | 16.54 | 1.36 | 17.9 | 61.66 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 217@0 | CP_64QAM | 15.21 | 1.36 | 16.57 | 45.39 | 1000 | PASS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 80 | 632668 | 109@54 | CP_64QAM | 15.16 | 1.36 | 16.52 | 44.87 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 1@1 | CP_64QAM | 14.96 | 1.36 | 16.32 | 42.85 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 1@215 | CP_64QAM | 15.23 | 1.36 | 16.59 | 45.6 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 217@0 | CP_256QAM | 12.08 | 1.36 | 13.44 | 22.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 109@54 | CP_256QAM | 12.08 | 1.36 | 13.44 | 22.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 1@1 | CP_256QAM | 12.14 | 1.36 | 13.5 | 22.39 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 632668 | 1@215 | CP_256QAM | 11.92 | 1.36 | 13.28 | 21.28 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 216@0 | DFT_BPSK | 18.17 | 1.36 | 19.53 | 89.74 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 108@54 | DFT_BPSK | 18.73 | 1.36 | 20.09 | 102.09 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 1@1 | DFT_BPSK | 18.69 | 1.36 | 20.05 | 101.16 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 1@215 | DFT_BPSK | 18.52 | 1.36 | 19.88 | 97.27 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 216@0 | DFT_QPSK | 17.68 | 1.36 | 19.04 | 80.17 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 108@54 | DFT_QPSK | 18.71 | 1.36 | 20.07 | 101.62 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 1@1 | DFT_QPSK | 18.72 | 1.36 | 20.08 | 101.86 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 1@215 | DFT_QPSK | 18.53 | 1.36 | 19.89 | 97.5 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 216@0 | DFT_16QAM | 16.65 | 1.36 | 18.01 | 63.24 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 108@54 | DFT_16QAM | 17.72 | 1.36 | 19.08 | 80.91 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 1@1 | DFT_16QAM | 17.53 | 1.36 | 18.89 | 77.45 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 1@215 | DFT_16QAM | 17.32 | 1.36 | 18.68 | 73.79 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 216@0 | DFT_64QAM | 16.19 | 1.36 | 17.55 | 56.89 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 108@54 | DFT_64QAM | 16.35 | 1.36 | 17.71 | 59.02 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 1@1 | DFT_64QAM | 16.2 | 1.36 | 17.56 | 57.02 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 1@215 | DFT_64QAM | 16.03 | 1.36 | 17.39 | 54.83 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 216@0 | DFT_256QAM | 14.12 | 1.36 | 15.48 | 35.32 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 108@54 | DFT_256QAM | 14.13 | 1.36 | 15.49 | 35.4 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 1@1 | DFT_256QAM | 14.04 | 1.36 | 15.4 | 34.67 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 1@215 | DFT_256QAM | 13.85 | 1.36 | 15.21 | 33.19 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 217@0 | CP_QPSK | 15.68 | 1.36 | 17.04 | 50.58 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 109@54 | CP_QPSK | 17.23 | 1.36 | 18.59 | 72.28 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 1@1 | CP_QPSK | 17.25 | 1.36 | 18.61 | 72.61 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 1@215 | CP_QPSK | 17.05 | 1.36 | 18.41 | 69.34 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 217@0 | CP_16QAM | 15.7 | 1.36 | 17.06 | 50.82 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 109@54 | CP_16QAM | 16.69 | 1.36 | 18.05 | 63.83 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 1@1 | CP_16QAM | 16.66 | 1.36 | 18.02 | 63.39 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 1@215 | CP_16QAM | 16.44 | 1.36 | 17.8 | 60.26 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 217@0 | CP_64QAM | 15.19 | 1.36 | 16.55 | 45.19 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 109@54 | CP_64QAM | 15.19 | 1.36 | 16.55 | 45.19 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 1@1 | CP_64QAM | 15.02 | 1.36 | 16.38 | 43.45 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 1@215 | CP_64QAM | 15.21 | 1.36 | 16.57 | 45.39 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 217@0 | CP_256QAM | 12.11 | 1.36 | 13.47 | 22.23 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 109@54 | CP_256QAM | 12.12 | 1.36 | 13.48 | 22.28 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 1@1 | CP_256QAM | 12.12 | 1.36 | 13.48 | 22.28 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 1@215 | CP_256QAM | 11.93 | 1.36 | 13.29 | 21.33 | 1000 | PASS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 80 | 634000 | 216@0 | DFT_BPSK | 18.18 | 1.36 | 19.54 | 89.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 108@54 | DFT_BPSK | 18.7 | 1.36 | 20.06 | 101.39 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 1@1 | DFT_BPSK | 18.72 | 1.36 | 20.08 | 101.86 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 1@215 | DFT_BPSK | 18.54 | 1.36 | 19.9 | 97.72 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 216@0 | DFT_QPSK | 17.71 | 1.36 | 19.07 | 80.72 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 108@54 | DFT_QPSK | 18.72 | 1.36 | 20.08 | 101.86 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 1@1 | DFT_QPSK | 18.74 | 1.36 | 20.1 | 102.33 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 1@215 | DFT_QPSK | 18.55 | 1.36 | 19.91 | 97.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 216@0 | DFT_16QAM | 16.65 | 1.36 | 18.01 | 63.24 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 108@54 | DFT_16QAM | 17.71 | 1.36 | 19.07 | 80.72 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 1@1 | DFT_16QAM | 17.55 | 1.36 | 18.91 | 77.8 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 1@215 | DFT_16QAM | 17.4 | 1.36 | 18.76 | 75.16 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 216@0 | DFT_64QAM | 16.27 | 1.36 | 17.63 | 57.94 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 108@54 | DFT_64QAM | 16.63 | 1.36 | 17.99 | 62.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 1@1 | DFT_64QAM | 16.2 | 1.36 | 17.56 | 57.02 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 1@215 | DFT_64QAM | 16.04 | 1.36 | 17.4 | 54.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 216@0 | DFT_256QAM | 14.09 | 1.36 | 15.45 | 35.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 108@54 | DFT_256QAM | 14.19 | 1.36 | 15.55 | 35.89 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 1@1 | DFT_256QAM | 14.02 | 1.36 | 15.38 | 34.51 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 1@215 | DFT_256QAM | 13.85 | 1.36 | 15.21 | 33.19 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 217@0 | CP_QPSK | 15.67 | 1.36 | 17.03 | 50.47 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 109@54 | CP_QPSK | 17.23 | 1.36 | 18.59 | 72.28 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 1@1 | CP_QPSK | 17.24 | 1.36 | 18.6 | 72.44 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 1@215 | CP_QPSK | 17.06 | 1.36 | 18.42 | 69.5 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 217@0 | CP_16QAM | 15.68 | 1.36 | 17.04 | 50.58 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 109@54 | CP_16QAM | 16.69 | 1.36 | 18.05 | 63.83 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 1@1 | CP_16QAM | 16.72 | 1.36 | 18.08 | 64.27 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 1@215 | CP_16QAM | 16.49 | 1.36 | 17.85 | 60.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 217@0 | CP_64QAM | 15.18 | 1.36 | 16.54 | 45.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 109@54 | CP_64QAM | 15.16 | 1.36 | 16.52 | 44.87 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 1@1 | CP_64QAM | 15.01 | 1.36 | 16.37 | 43.35 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 1@215 | CP_64QAM | 15.12 | 1.36 | 16.48 | 44.46 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 217@0 | CP_256QAM | 12.05 | 1.36 | 13.41 | 21.93 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 109@54 | CP_256QAM | 12.17 | 1.36 | 13.53 | 22.54 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 1@1 | CP_256QAM | 12.07 | 1.36 | 13.43 | 22.03 | 1000 | PASS |
| n78(3450-3550) | 30 | 80 | 634000 | 1@215 | CP_256QAM | 11.92 | 1.36 | 13.28 | 21.28 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 243@0 | DFT_BPSK | 18.16 | 1.36 | 19.52 | 89.54 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 120@60 | DFT_BPSK | 18.72 | 1.36 | 20.08 | 101.86 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 1@1 | DFT_BPSK | 18.53 | 1.36 | 19.89 | 97.5 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 1@243 | DFT_BPSK | 18.43 | 1.36 | 19.79 | 95.28 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 243@0 | DFT_QPSK | 17.66 | 1.36 | 19.02 | 79.8 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 120@60 | DFT_QPSK | 18.69 | 1.36 | 20.05 | 101.16 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 1@1 | DFT_QPSK | 18.55 | 1.36 | 19.91 | 97.95 | 1000 | PASS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 90 | 633000 | 1@243 | DFT_QPSK | 18.44 | 1.36 | 19.8 | 95.5 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 243@0 | DFT_16QAM | 16.65 | 1.36 | 18.01 | 63.24 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 120@60 | DFT_16QAM | 17.72 | 1.36 | 19.08 | 80.91 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 1@1 | DFT_16QAM | 17.38 | 1.36 | 18.74 | 74.82 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 1@243 | DFT_16QAM | 17.21 | 1.36 | 18.57 | 71.94 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 243@0 | DFT_64QAM | 16.16 | 1.36 | 17.52 | 56.49 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 120@60 | DFT_64QAM | 15.24 | 1.36 | 16.6 | 45.71 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 1@1 | DFT_64QAM | 15.94 | 1.36 | 17.3 | 53.7 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 1@243 | DFT_64QAM | 15.91 | 1.36 | 17.27 | 53.33 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 243@0 | DFT_256QAM | 14.06 | 1.36 | 15.42 | 34.83 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 120@60 | DFT_256QAM | 14.11 | 1.36 | 15.47 | 35.24 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 1@1 | DFT_256QAM | 14 | 1.36 | 15.36 | 34.36 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 1@243 | DFT_256QAM | 13.79 | 1.36 | 15.15 | 32.73 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 245@0 | CP_QPSK | 15.62 | 1.36 | 16.98 | 49.89 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 123@61 | CP_QPSK | 17.15 | 1.36 | 18.51 | 70.96 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 1@1 | CP_QPSK | 17.06 | 1.36 | 18.42 | 69.5 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 1@243 | CP_QPSK | 16.91 | 1.36 | 18.27 | 67.14 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 245@0 | CP_16QAM | 15.59 | 1.36 | 16.95 | 49.55 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 123@61 | CP_16QAM | 16.61 | 1.36 | 17.97 | 62.66 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 1@1 | CP_16QAM | 16.54 | 1.36 | 17.9 | 61.66 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 1@243 | CP_16QAM | 16.4 | 1.36 | 17.76 | 59.7 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 245@0 | CP_64QAM | 15.15 | 1.36 | 16.51 | 44.77 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 123@61 | CP_64QAM | 15.16 | 1.36 | 16.52 | 44.87 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 1@1 | CP_64QAM | 14.77 | 1.36 | 16.13 | 41.02 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 1@243 | CP_64QAM | 15.26 | 1.36 | 16.62 | 45.92 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 245@0 | CP_256QAM | 12.04 | 1.36 | 13.4 | 21.88 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 123@61 | CP_256QAM | 12.09 | 1.36 | 13.45 | 22.13 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 1@1 | CP_256QAM | 12.02 | 1.36 | 13.38 | 21.78 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633000 | 1@243 | CP_256QAM | 11.84 | 1.36 | 13.2 | 20.89 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 243@0 | DFT_BPSK | 18.13 | 1.36 | 19.49 | 88.92 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 120@60 | DFT_BPSK | 18.72 | 1.36 | 20.08 | 101.86 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 1@1 | DFT_BPSK | 18.63 | 1.36 | 19.99 | 99.77 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 1@243 | DFT_BPSK | 18.52 | 1.36 | 19.88 | 97.27 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 243@0 | DFT_QPSK | 17.71 | 1.36 | 19.07 | 80.72 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 120@60 | DFT_QPSK | 18.73 | 1.36 | 20.09 | 102.09 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 1@1 | DFT_QPSK | 18.65 | 1.36 | 20.01 | 100.23 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 1@243 | DFT_QPSK | 18.53 | 1.36 | 19.89 | 97.5 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 243@0 | DFT_16QAM | 16.68 | 1.36 | 18.04 | 63.68 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 120@60 | DFT_16QAM | 17.73 | 1.36 | 19.09 | 81.1 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 1@1 | DFT_16QAM | 17.49 | 1.36 | 18.85 | 76.74 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 1@243 | DFT_16QAM | 17.29 | 1.36 | 18.65 | 73.28 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 243@0 | DFT_64QAM | 16.16 | 1.36 | 17.52 | 56.49 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 120@60 | DFT_64QAM | 16.24 | 1.36 | 17.6 | 57.54 | 1000 | PASS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 90 | 633334 | 1@1 | DFT_64QAM | 16.13 | 1.36 | 17.49 | 56.1 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 1@243 | DFT_64QAM | 15.87 | 1.36 | 17.23 | 52.84 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 243@0 | DFT_256QAM | 14.11 | 1.36 | 15.47 | 35.24 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 120@60 | DFT_256QAM | 14.15 | 1.36 | 15.51 | 35.56 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 1@1 | DFT_256QAM | 14 | 1.36 | 15.36 | 34.36 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 1@243 | DFT_256QAM | 13.87 | 1.36 | 15.23 | 33.34 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 245@0 | CP_QPSK | 15.63 | 1.36 | 16.99 | 50 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 123@61 | CP_QPSK | 17.17 | 1.36 | 18.53 | 71.29 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 1@1 | CP_QPSK | 17.17 | 1.36 | 18.53 | 71.29 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 1@243 | CP_QPSK | 17 | 1.36 | 18.36 | 68.55 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 245@0 | CP_16QAM | 15.6 | 1.36 | 16.96 | 49.66 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 123@61 | CP_16QAM | 16.64 | 1.36 | 18 | 63.1 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 1@1 | CP_16QAM | 16.6 | 1.36 | 17.96 | 62.52 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 1@243 | CP_16QAM | 16.46 | 1.36 | 17.82 | 60.53 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 245@0 | CP_64QAM | 15.18 | 1.36 | 16.54 | 45.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 123@61 | CP_64QAM | 15.21 | 1.36 | 16.57 | 45.39 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 1@1 | CP_64QAM | 14.88 | 1.36 | 16.24 | 42.07 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 1@243 | CP_64QAM | 15.32 | 1.36 | 16.68 | 46.56 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 245@0 | CP_256QAM | 12.06 | 1.36 | 13.42 | 21.98 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 123@61 | CP_256QAM | 12.07 | 1.36 | 13.43 | 22.03 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 1@1 | CP_256QAM | 12.05 | 1.36 | 13.41 | 21.93 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 1@243 | CP_256QAM | 11.92 | 1.36 | 13.28 | 21.28 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 243@0 | DFT_BPSK | 18.24 | 1.36 | 19.6 | 91.2 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 120@60 | DFT_BPSK | 18.74 | 1.36 | 20.1 | 102.33 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 1@1 | DFT_BPSK | 18.66 | 1.36 | 20.02 | 100.46 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 1@243 | DFT_BPSK | 18.43 | 1.36 | 19.79 | 95.28 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 243@0 | DFT_QPSK | 17.74 | 1.36 | 19.1 | 81.28 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 120@60 | DFT_QPSK | 18.77 | 1.36 | 20.13 | 103.04 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 1@1 | DFT_QPSK | 18.72 | 1.36 | 20.08 | 101.86 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 1@243 | DFT_QPSK | 18.46 | 1.36 | 19.82 | 95.94 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 243@0 | DFT_16QAM | 16.74 | 1.36 | 18.1 | 64.57 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 120@60 | DFT_16QAM | 17.75 | 1.36 | 19.11 | 81.47 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 1@1 | DFT_16QAM | 17.52 | 1.36 | 18.88 | 77.27 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 1@243 | DFT_16QAM | 17.3 | 1.36 | 18.66 | 73.45 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 243@0 | DFT_64QAM | 16.19 | 1.36 | 17.55 | 56.89 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 120@60 | DFT_64QAM | 15.68 | 1.36 | 17.04 | 50.58 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 1@1 | DFT_64QAM | 16.12 | 1.36 | 17.48 | 55.98 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 1@243 | DFT_64QAM | 15.87 | 1.36 | 17.23 | 52.84 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 243@0 | DFT_256QAM | 14.11 | 1.36 | 15.47 | 35.24 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 120@60 | DFT_256QAM | 14.19 | 1.36 | 15.55 | 35.89 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 1@1 | DFT_256QAM | 14.05 | 1.36 | 15.41 | 34.75 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 1@243 | DFT_256QAM | 13.81 | 1.36 | 15.17 | 32.89 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 245@0 | CP_QPSK | 15.65 | 1.36 | 17.01 | 50.23 | 1000 | PASS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 90 | 633666 | 123@61 | CP_QPSK | 17.21 | 1.36 | 18.57 | 71.94 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 1@1 | CP_QPSK | 17.23 | 1.36 | 18.59 | 72.28 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 1@243 | CP_QPSK | 17.02 | 1.36 | 18.38 | 68.87 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 245@0 | CP_16QAM | 15.62 | 1.36 | 16.98 | 49.89 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 123@61 | CP_16QAM | 16.7 | 1.36 | 18.06 | 63.97 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 1@1 | CP_16QAM | 16.59 | 1.36 | 17.95 | 62.37 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 1@243 | CP_16QAM | 16.47 | 1.36 | 17.83 | 60.67 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 245@0 | CP_64QAM | 15.2 | 1.36 | 16.56 | 45.29 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 123@61 | CP_64QAM | 15.22 | 1.36 | 16.58 | 45.5 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 1@1 | CP_64QAM | 14.97 | 1.36 | 16.33 | 42.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 1@243 | CP_64QAM | 14.26 | 1.36 | 15.62 | 36.48 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 245@0 | CP_256QAM | 12.08 | 1.36 | 13.44 | 22.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 123@61 | CP_256QAM | 12.14 | 1.36 | 13.5 | 22.39 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 1@1 | CP_256QAM | 12.13 | 1.36 | 13.49 | 22.34 | 1000 | PASS |
| n78(3450-3550) | 30 | 90 | 633666 | 1@243 | CP_256QAM | 11.94 | 1.36 | 13.3 | 21.38 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | 18.14 | 1.36 | 19.5 | 89.13 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 135@67 | DFT_BPSK | 18.74 | 1.36 | 20.1 | 102.33 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 1@1 | DFT_BPSK | 18.64 | 1.36 | 20 | 100 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 1@271 | DFT_BPSK | 18.43 | 1.36 | 19.79 | 95.28 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_QPSK | 17.64 | 1.36 | 19 | 79.43 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 135@67 | DFT_QPSK | 18.73 | 1.36 | 20.09 | 102.09 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 1@1 | DFT_QPSK | 18.64 | 1.36 | 20 | 100 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 1@271 | DFT_QPSK | 18.43 | 1.36 | 19.79 | 95.28 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_16QAM | 16.65 | 1.36 | 18.01 | 63.24 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 135@67 | DFT_16QAM | 17.71 | 1.36 | 19.07 | 80.72 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 1@1 | DFT_16QAM | 17.45 | 1.36 | 18.81 | 76.03 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 1@271 | DFT_16QAM | 17.27 | 1.36 | 18.63 | 72.95 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_64QAM | 16.18 | 1.36 | 17.54 | 56.75 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 135@67 | DFT_64QAM | 16.35 | 1.36 | 17.71 | 59.02 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 1@1 | DFT_64QAM | 16.05 | 1.36 | 17.41 | 55.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 1@271 | DFT_64QAM | 15.83 | 1.36 | 17.19 | 52.36 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_256QAM | 14.09 | 1.36 | 15.45 | 35.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 135@67 | DFT_256QAM | 14.14 | 1.36 | 15.5 | 35.48 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 1@1 | DFT_256QAM | 14.02 | 1.36 | 15.38 | 34.51 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 1@271 | DFT_256QAM | 13.75 | 1.36 | 15.11 | 32.43 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 273@0 | CP_QPSK | 15.65 | 1.36 | 17.01 | 50.23 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 137@68 | CP_QPSK | 17.18 | 1.36 | 18.54 | 71.45 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 1@1 | CP_QPSK | 17.12 | 1.36 | 18.48 | 70.47 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 1@271 | CP_QPSK | 16.94 | 1.36 | 18.3 | 67.61 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 273@0 | CP_16QAM | 15.68 | 1.36 | 17.04 | 50.58 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 137@68 | CP_16QAM | 16.64 | 1.36 | 18 | 63.1 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 1@1 | CP_16QAM | 16.59 | 1.36 | 17.95 | 62.37 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 1@271 | CP_16QAM | 16.47 | 1.36 | 17.83 | 60.67 | 1000 | PASS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 100 | 633334 | 273@0 | CP_64QAM | 15.14 | 1.36 | 16.5 | 44.67 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 137@68 | CP_64QAM | 15.16 | 1.36 | 16.52 | 44.87 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 1@1 | CP_64QAM | 14.88 | 1.36 | 16.24 | 42.07 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 1@271 | CP_64QAM | 15.25 | 1.36 | 16.61 | 45.81 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 273@0 | CP_256QAM | 12.08 | 1.36 | 13.44 | 22.08 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 137@68 | CP_256QAM | 12.11 | 1.36 | 13.47 | 22.23 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 1@1 | CP_256QAM | 12.09 | 1.36 | 13.45 | 22.13 | 1000 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 1@271 | CP_256QAM | 11.85 | 1.36 | 13.21 | 20.94 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_BPSK | 16.62 | 1.7 | 18.32 | 67.92 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 135@67 | DFT_BPSK | 17.11 | 1.7 | 18.81 | 76.03 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@1 | DFT_BPSK | 16.32 | 1.7 | 18.02 | 63.39 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@271 | DFT_BPSK | 17.41 | 1.7 | 19.11 | 81.47 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_QPSK | 16.08 | 1.7 | 17.78 | 59.98 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 135@67 | DFT_QPSK | 17.09 | 1.7 | 18.79 | 75.68 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@1 | DFT_QPSK | 16.36 | 1.7 | 18.06 | 63.97 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@271 | DFT_QPSK | 17.4 | 1.7 | 19.1 | 81.28 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_16QAM | 15.09 | 1.7 | 16.79 | 47.75 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 135@67 | DFT_16QAM | 16.07 | 1.7 | 17.77 | 59.84 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@1 | DFT_16QAM | 15.21 | 1.7 | 16.91 | 49.09 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@271 | DFT_16QAM | 16.21 | 1.7 | 17.91 | 61.8 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_64QAM | 14.62 | 1.7 | 16.32 | 42.85 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 135@67 | DFT_64QAM | 14.66 | 1.7 | 16.36 | 43.25 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@1 | DFT_64QAM | 13.88 | 1.7 | 15.58 | 36.14 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@271 | DFT_64QAM | 14.79 | 1.7 | 16.49 | 44.57 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 270@0 | DFT_256QAM | 12.58 | 1.7 | 14.28 | 26.79 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 135@67 | DFT_256QAM | 12.64 | 1.7 | 14.34 | 27.16 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@1 | DFT_256QAM | 11.86 | 1.7 | 13.56 | 22.7 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@271 | DFT_256QAM | 12.78 | 1.7 | 14.48 | 28.05 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 273@0 | CP_QPSK | 14.11 | 1.7 | 15.81 | 38.11 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 137@68 | CP_QPSK | 15.6 | 1.7 | 17.3 | 53.7 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@1 | CP_QPSK | 14.94 | 1.7 | 16.64 | 46.13 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@271 | CP_QPSK | 16.05 | 1.7 | 17.75 | 59.57 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 273@0 | CP_16QAM | 14.1 | 1.7 | 15.8 | 38.02 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 137@68 | CP_16QAM | 15.14 | 1.7 | 16.84 | 48.31 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@1 | CP_16QAM | 14.42 | 1.7 | 16.12 | 40.93 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@271 | CP_16QAM | 15.34 | 1.7 | 17.04 | 50.58 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 273@0 | CP_64QAM | 13.57 | 1.7 | 15.27 | 33.65 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 137@68 | CP_64QAM | 13.62 | 1.7 | 15.32 | 34.04 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@1 | CP_64QAM | 12.68 | 1.7 | 14.38 | 27.42 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@271 | CP_64QAM | 13.62 | 1.7 | 15.32 | 34.04 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 273@0 | CP_256QAM | 10.54 | 1.7 | 12.24 | 16.75 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 137@68 | CP_256QAM | 10.6 | 1.7 | 12.3 | 16.98 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@1 | CP_256QAM | 9.96 | 1.7 | 11.66 | 14.66 | 1000 | PASS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| n77(3700-3980) | 30 | 100 | 656000 | 1@271 | CP_256QAM | 10.89 | 1.7 | 12.59 | 18.16 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 270@0 | DFT_BPSK | 16.57 | 1.7 | 18.27 | 67.14 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 135@67 | DFT_BPSK | 17.07 | 1.7 | 18.77 | 75.34 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@1 | DFT_BPSK | 16.82 | 1.7 | 18.52 | 71.12 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@271 | DFT_BPSK | 16.97 | 1.7 | 18.67 | 73.62 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 270@0 | DFT_QPSK | 16.05 | 1.7 | 17.75 | 59.57 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 135@67 | DFT_QPSK | 17.05 | 1.7 | 18.75 | 74.99 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@1 | DFT_QPSK | 16.84 | 1.7 | 18.54 | 71.45 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@271 | DFT_QPSK | 16.99 | 1.7 | 18.69 | 73.96 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 270@0 | DFT_16QAM | 14.91 | 1.7 | 16.61 | 45.81 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 135@67 | DFT_16QAM | 16.02 | 1.7 | 17.72 | 59.16 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@1 | DFT_16QAM | 15.69 | 1.7 | 17.39 | 54.83 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@271 | DFT_16QAM | 15.82 | 1.7 | 17.52 | 56.49 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 270@0 | DFT_64QAM | 14.44 | 1.7 | 16.14 | 41.11 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 135@67 | DFT_64QAM | 14.49 | 1.7 | 16.19 | 41.59 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@1 | DFT_64QAM | 14.26 | 1.7 | 15.96 | 39.45 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@271 | DFT_64QAM | 14.3 | 1.7 | 16 | 39.81 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 270@0 | DFT_256QAM | 12.43 | 1.7 | 14.13 | 25.88 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 135@67 | DFT_256QAM | 12.48 | 1.7 | 14.18 | 26.18 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@1 | DFT_256QAM | 12.23 | 1.7 | 13.93 | 24.72 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@271 | DFT_256QAM | 12.29 | 1.7 | 13.99 | 25.06 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 273@0 | CP_QPSK | 13.93 | 1.7 | 15.63 | 36.56 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 137@68 | CP_QPSK | 15.54 | 1.7 | 17.24 | 52.97 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@1 | CP_QPSK | 15.33 | 1.7 | 17.03 | 50.47 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@271 | CP_QPSK | 15.49 | 1.7 | 17.19 | 52.36 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 273@0 | CP_16QAM | 13.92 | 1.7 | 15.62 | 36.48 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 137@68 | CP_16QAM | 14.96 | 1.7 | 16.66 | 46.34 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@1 | CP_16QAM | 14.76 | 1.7 | 16.46 | 44.26 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@271 | CP_16QAM | 14.84 | 1.7 | 16.54 | 45.08 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 273@0 | CP_64QAM | 13.4 | 1.7 | 15.1 | 32.36 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 137@68 | CP_64QAM | 13.45 | 1.7 | 15.15 | 32.73 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@1 | CP_64QAM | 13.04 | 1.7 | 14.74 | 29.79 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@271 | CP_64QAM | 13.14 | 1.7 | 14.84 | 30.48 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 273@0 | CP_256QAM | 10.39 | 1.7 | 12.09 | 16.18 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 137@68 | CP_256QAM | 10.47 | 1.7 | 12.17 | 16.48 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@1 | CP_256QAM | 10.29 | 1.7 | 11.99 | 15.81 | 1000 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@271 | CP_256QAM | 10.41 | 1.7 | 12.11 | 16.26 | 1000 | PASS |

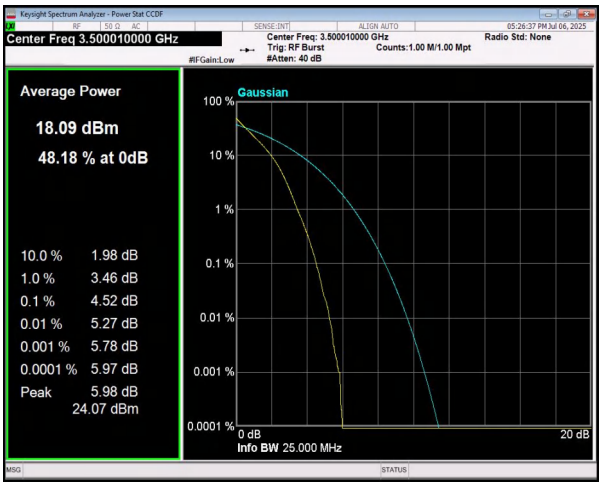
# 2. Frequency Stability

| Temperature (℃) | Voltage (V) | Band | SCS (kHz) | Bandwidth (MHz) | UL Channel | RB Allocation | Modulation | Result(Hz) | Result (ppm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|
| 20(Ref.) | 3.87 | n78(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | -6.8 | -0.00194 | PASS |
| 20 | 3 | n78(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | -1.9 | -0.00054 | PASS |
| 20 | 4.45 | n78(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | -1.4 | -0.0004 | PASS |
| -30 | 3.87 | n78(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | -6.4 | -0.00183 | PASS |
| -20 | 3.87 | n78(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | -12.8 | -0.00366 | PASS |
| -10 | 3.87 | n78(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | -13.8 | -0.00394 | PASS |
| 0 | 3.87 | n78(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | -5.4 | -0.00154 | PASS |
| 10 | 3.87 | n78(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | -2.2 | -0.00063 | PASS |
| 30 | 3.87 | n78(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | -8.6 | -0.00246 | PASS |
| 40 | 3.87 | n78(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | -3.3 | -0.00094 | PASS |
| 50 | 3.87 | n78(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK | -0.1 | -0.00003 | PASS |

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

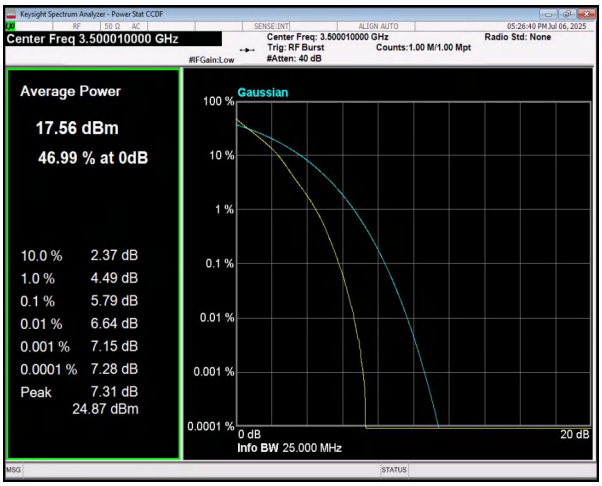
# 3. Peak-to-average Ratio

| Band | SCS (kHz) | Bandwidth (MHz) | UL Channel | RB Allocation | Modulation | Result (dB) | High Limit (dB) | Verdict |
|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 20 | 633334 | 50@0 | DFT_BPSK | 4.52 | 13 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 50@0 | DFT_QPSK | 5.79 | 13 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 50@0 | DFT_16QAM | 6.63 | 13 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 50@0 | DFT_64QAM | 6.65 | 13 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 50@0 | DFT_256QAM | 6.62 | 13 | PASS |



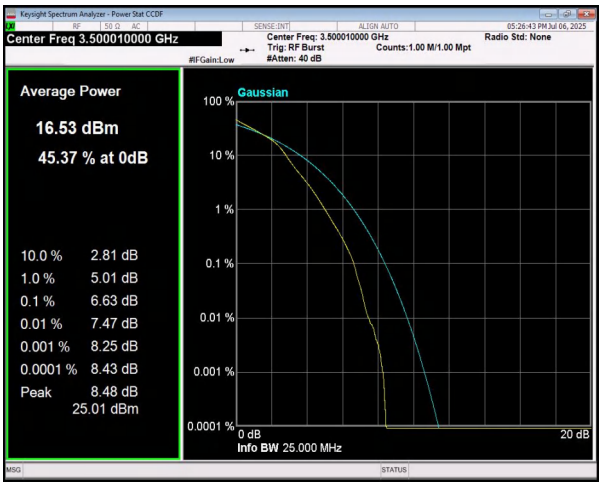

n78(3450-3550) SCS=30kHz DFT_BPSK BW=20MHz

Channel=633334 RB=50@0



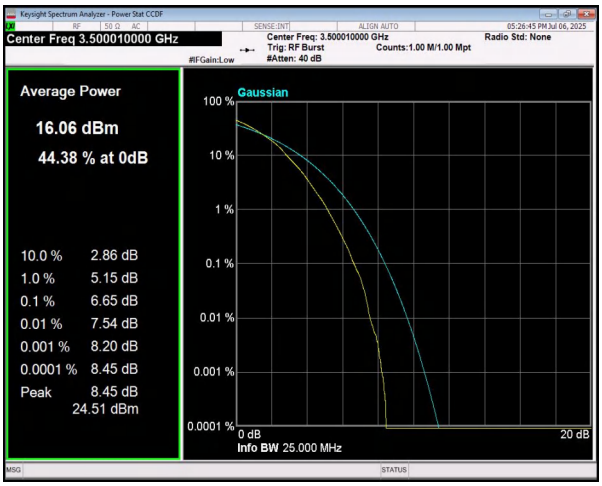

n78(3450-3550) SCS=30kHz DFT_QPSK BW=20MHz

Channel=633334 RB=50@0



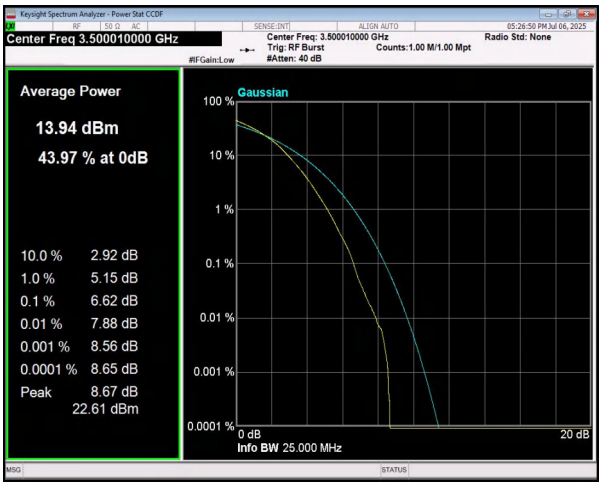

n78(3450-3550) SCS=30kHz DFT_16QAM BW=20MHz

Channel=633334 RB=50@0




n78(3450-3550) SCS=30kHz DFT_64QAM BW=20MHz

Channel=633334 RB=50@0



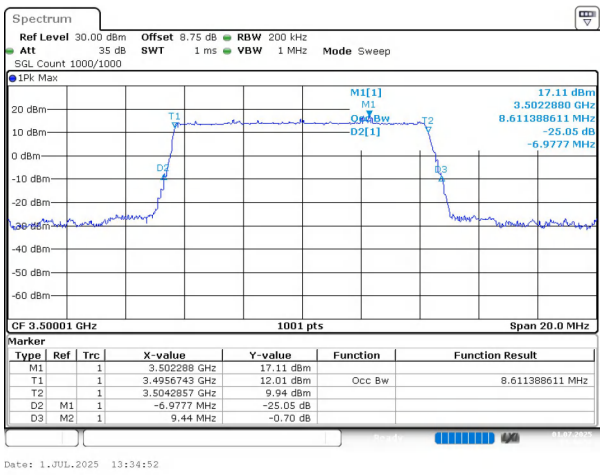

n78(3450-3550) SCS=30kHz DFT_256QAM BW=20MHz

Channel=633334 RB=50@0

# 4. Occupied Bandwidth

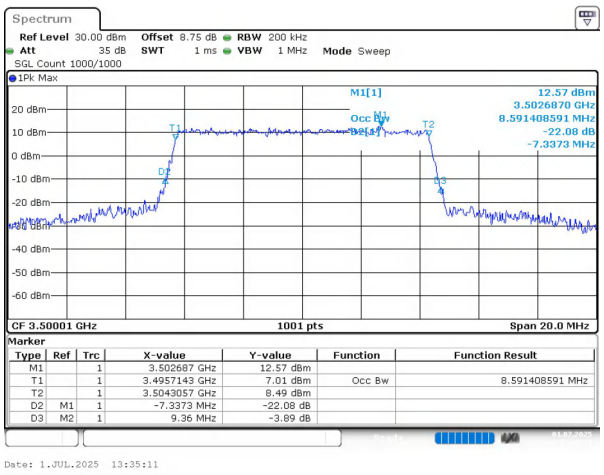
| Band | SCS (kHz) | Bandwidth (MHz) | UL Channel | UL Frequency (MHz) | RB Allocation | Modulation | 99% OBW (MHz) | -26dB EBW (MHz) | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 10 | 633334 | 3500.01 | 24@0 | DFT_BPSK | 8.611 | 9.440 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 3500.01 | 24@0 | CP_QPSK | 8.591 | 9.360 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 3500.01 | 24@0 | CP_16QAM | 8.611 | 9.380 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 3500.01 | 24@0 | CP_64QAM | 8.611 | 9.420 | PASS |
| n78(3450-3550) | 30 | 10 | 633334 | 3500.01 | 24@0 | CP_256QAM | 8.631 | 9.400 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 3500.01 | 36@0 | DFT_BPSK | 12.947 | 13.920 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 3500.01 | 38@0 | CP_QPSK | 13.576 | 14.640 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 3500.01 | 38@0 | CP_16QAM | 13.606 | 14.640 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 3500.01 | 38@0 | CP_64QAM | 13.696 | 14.640 | PASS |
| n78(3450-3550) | 30 | 15 | 633334 | 3500.01 | 38@0 | CP_256QAM | 13.576 | 14.640 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 3500.01 | 50@0 | DFT_BPSK | 18.022 | 19.160 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 3500.01 | 51@0 | CP_QPSK | 18.342 | 19.560 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 3500.01 | 51@0 | CP_16QAM | 18.342 | 19.560 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 3500.01 | 51@0 | CP_64QAM | 18.302 | 19.560 | PASS |
| n78(3450-3550) | 30 | 20 | 633334 | 3500.01 | 51@0 | CP_256QAM | 18.302 | 19.560 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 3500.01 | 100@0 | DFT_BPSK | 36.044 | 38.240 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 3500.01 | 106@0 | CP_QPSK | 38.042 | 40.400 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 3500.01 | 106@0 | CP_16QAM | 38.042 | 40.560 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 3500.01 | 106@0 | CP_64QAM | 38.042 | 40.560 | PASS |
| n78(3450-3550) | 30 | 40 | 633334 | 3500.01 | 106@0 | CP_256QAM | 37.962 | 40.400 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 3500.01 | 128@0 | DFT_BPSK | 45.854 | 48.400 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 3500.01 | 133@0 | CP_QPSK | 47.652 | 50.200 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 3500.01 | 133@0 | CP_16QAM | 47.652 | 50.100 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 3500.01 | 133@0 | CP_64QAM | 47.752 | 50.100 | PASS |
| n78(3450-3550) | 30 | 50 | 633334 | 3500.01 | 133@0 | CP_256QAM | 47.652 | 50.100 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 3500.01 | 162@0 | DFT_BPSK | 58.501 | 62.640 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 3500.01 | 162@0 | CP_QPSK | 58.382 | 62.760 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 3500.01 | 162@0 | CP_16QAM | 58.501 | 62.760 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 3500.01 | 162@0 | CP_64QAM | 58.501 | 63.120 | PASS |
| n78(3450-3550) | 30 | 60 | 633334 | 3500.01 | 162@0 | CP_256QAM | 58.382 | 62.760 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 3500.01 | 180@0 | DFT_BPSK | 64.755 | 69.160 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 3500.01 | 189@0 | CP_QPSK | 68.112 | 72.520 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 3500.01 | 189@0 | CP_16QAM | 67.972 | 72.240 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 3500.01 | 189@0 | CP_64QAM | 67.972 | 72.380 | PASS |
| n78(3450-3550) | 30 | 70 | 633334 | 3500.01 | 189@0 | CP_256QAM | 67.972 | 72.380 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 3500.01 | 216@0 | DFT_BPSK | 77.363 | 81.920 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 3500.01 | 217@0 | CP_QPSK | 77.842 | 82.560 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 3500.01 | 217@0 | CP_16QAM | 77.842 | 82.560 | PASS |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| n78(3450-3550) | 30 | 80 | 633334 | 3500.01 | 217@0 | CP_64QAM | 77.842 | 82.560 | PASS |
| n78(3450-3550) | 30 | 80 | 633334 | 3500.01 | 217@0 | CP_256QAM | 78.002 | 82.560 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 3500.01 | 243@0 | DFT_BPSK | 87.213 | 91.800 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 3500.01 | 245@0 | CP_QPSK | 87.932 | 92.700 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 3500.01 | 245@0 | CP_16QAM | 87.752 | 92.520 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 3500.01 | 245@0 | CP_64QAM | 87.572 | 92.700 | PASS |
| n78(3450-3550) | 30 | 90 | 633334 | 3500.01 | 245@0 | CP_256QAM | 87.572 | 92.520 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 3500.01 | 270@0 | DFT_BPSK | 96.903 | 101.600 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 3500.01 | 273@0 | CP_QPSK | 97.902 | 102.600 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 3500.01 | 273@0 | CP_16QAM | 97.702 | 102.600 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 3500.01 | 273@0 | CP_64QAM | 97.702 | 102.600 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 3500.01 | 273@0 | CP_256QAM | 97.502 | 102.800 | PASS |



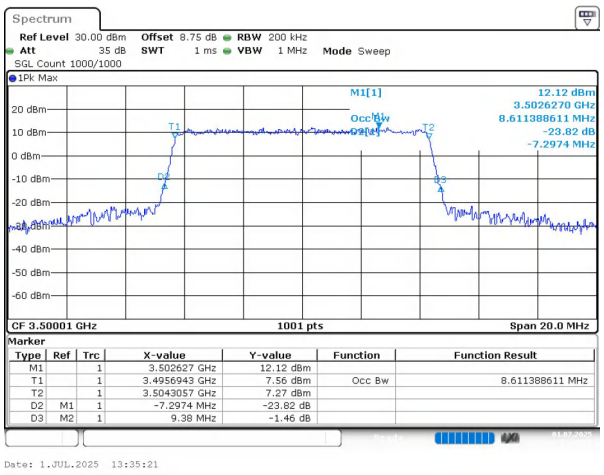

n78(3450-3550) SCS=30kHz DFT_BPSK BW=10MHz

Channel=633334 RB=24@0



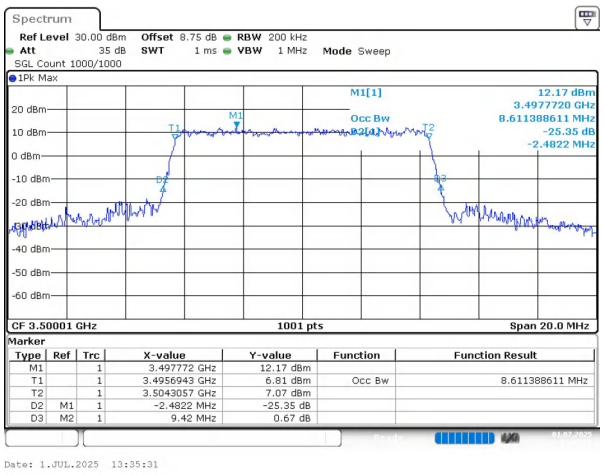

n78(3450-3550) SCS=30kHz CP_QPSK BW=10MHz

Channel=633334 RB=24@0



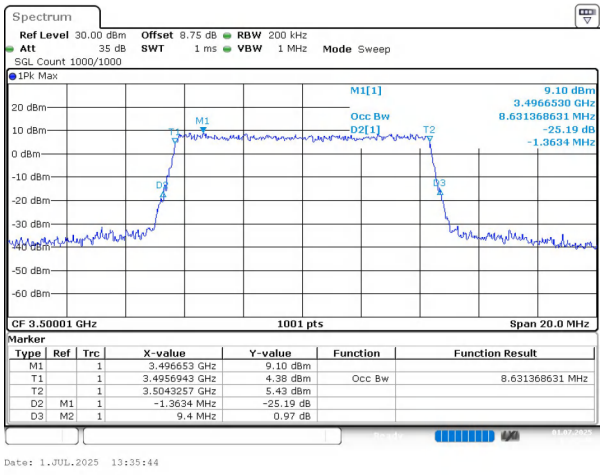

n78(3450-3550) SCS=30kHz CP_16QAM BW=10MHz

Channel=633334 RB=24@0



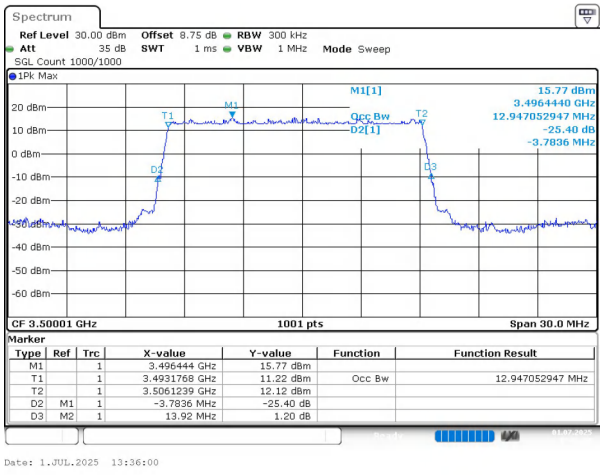

n78(3450-3550) SCS=30kHz CP_64QAM BW=10MHz

Channel=633334 RB=24@0



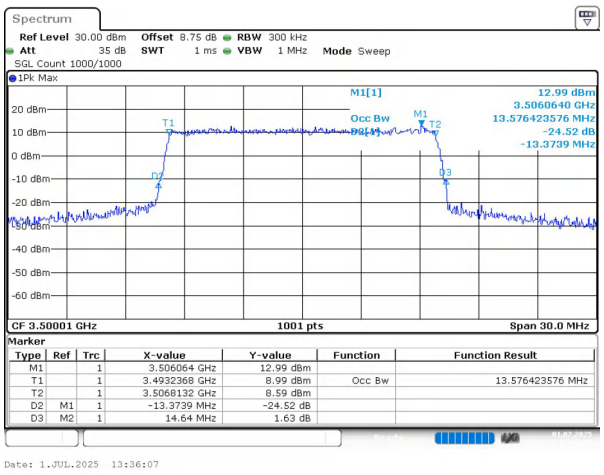

n78(3450-3550) SCS=30kHz CP_256QAM BW=10MHz

Channel=633334 RB=24@0



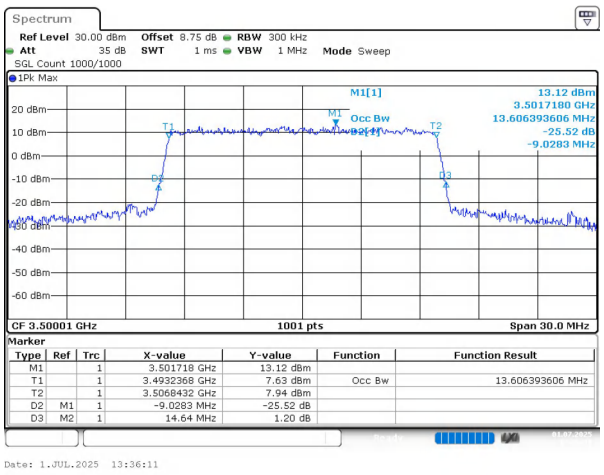

n78(3450-3550) SCS=30kHz DFT_BPSK BW=15MHz

Channel=633334 RB=36@0



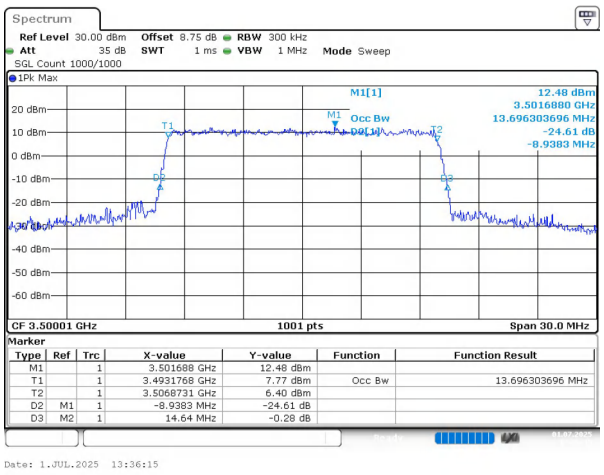

n78(3450-3550) SCS=30kHz CP_QPSK BW=15MHz

Channel=633334 RB=38@0



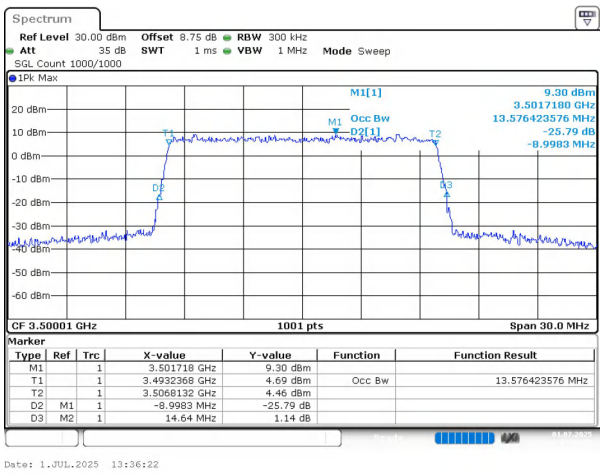

n78(3450-3550) SCS=30kHz CP_16QAM BW=15MHz

Channel=633334 RB=38@0



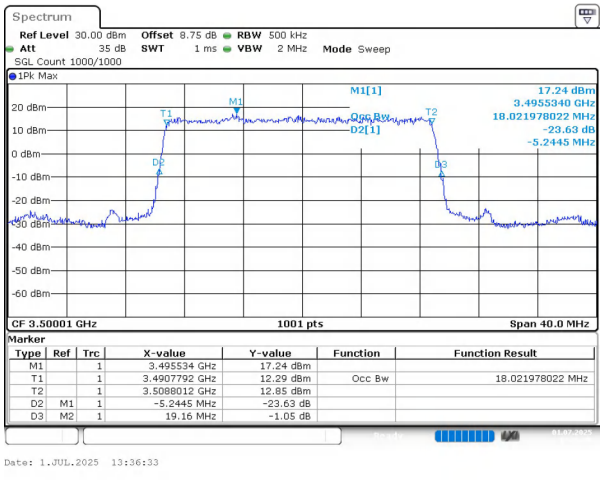

n78(3450-3550) SCS=30kHz CP_64QAM BW=15MHz

Channel=633334 RB=38@0



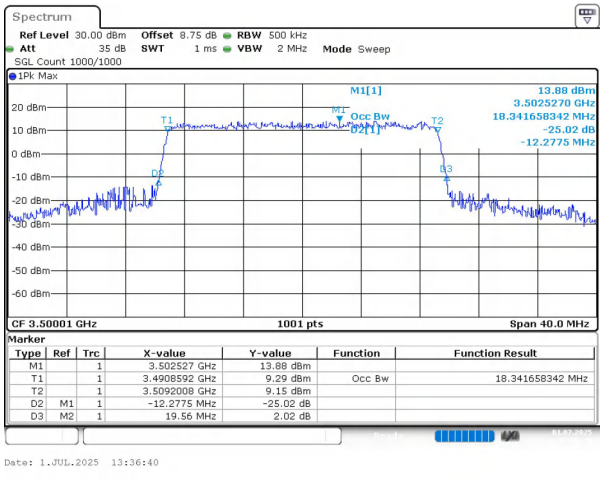

n78(3450-3550) SCS=30kHz CP_256QAM BW=15MHz

Channel=633334 RB=38@0



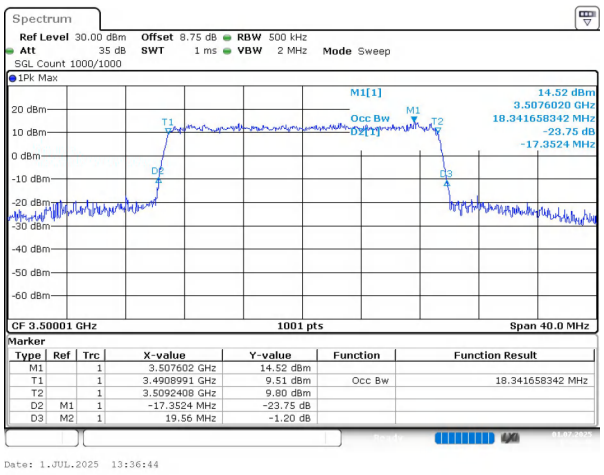

n78(3450-3550) SCS=30kHz DFT_BPSK BW=20MHz

Channel=633334 RB=50@0



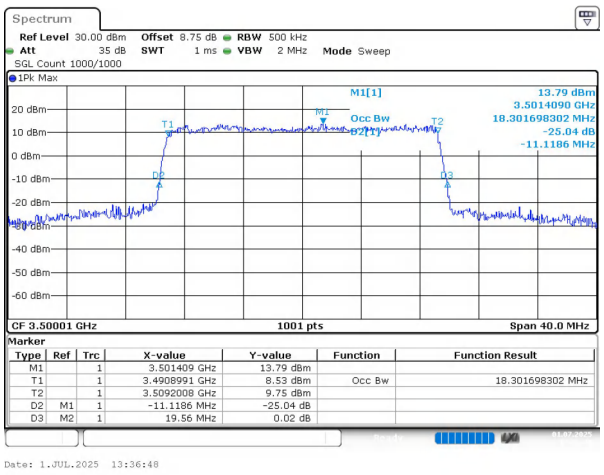

n78(3450-3550) SCS=30kHz CP_QPSK BW=20MHz

Channel=633334 RB=51@0



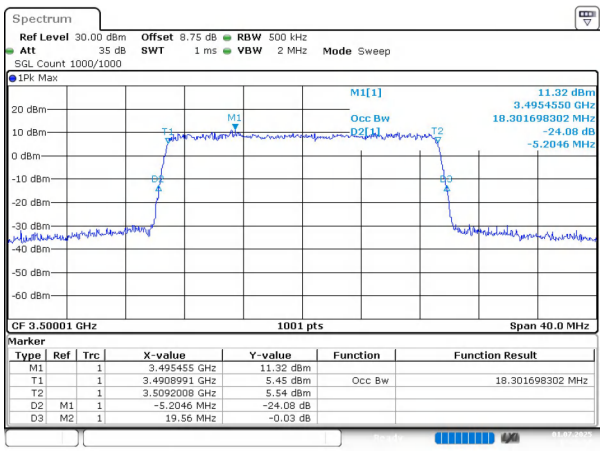

n78(3450-3550) SCS=30kHz CP_16QAM BW=20MHz

Channel=633334 RB=51@0



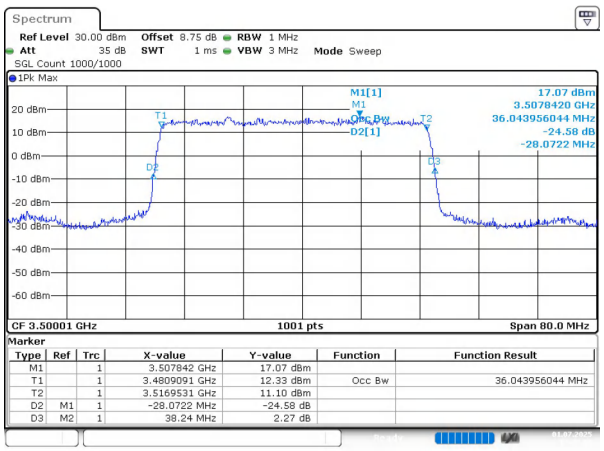

n78(3450-3550) SCS=30kHz CP_64QAM BW=20MHz

Channel=633334 RB=51@0



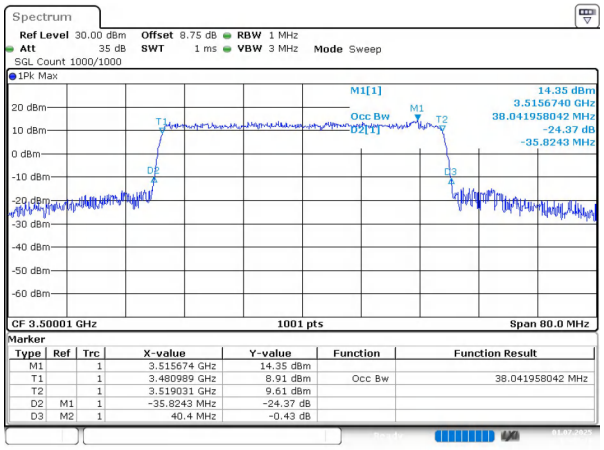

n78(3450-3550) SCS=30kHz CP_256QAM BW=20MHz

Channel=633334 RB=51@0



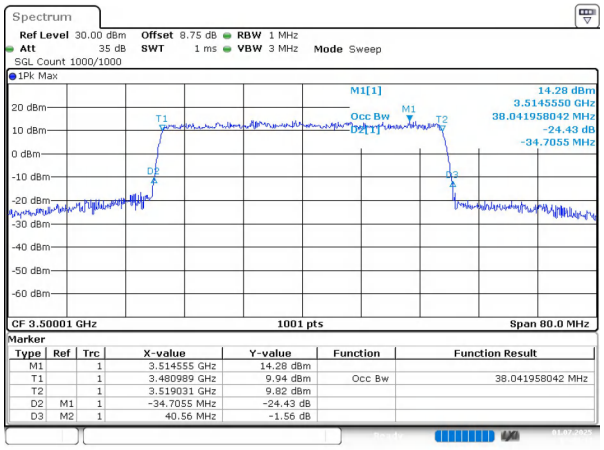

n78(3450-3550) SCS=30kHz DFT_BPSK BW=40MHz

Channel=633334 RB=100@0



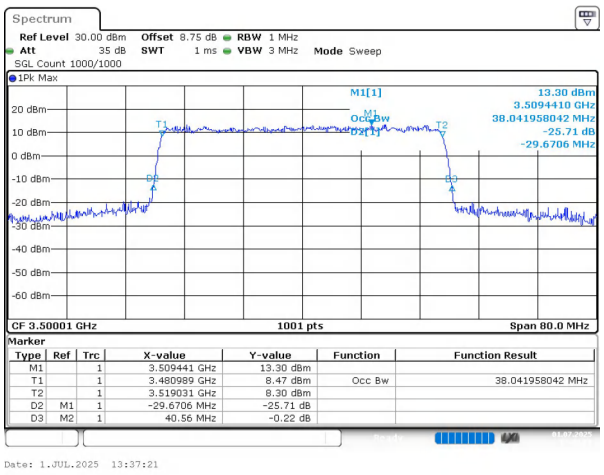

n78(3450-3550) SCS=30kHz CP_QPSK BW=40MHz

Channel=633334 RB=106@0



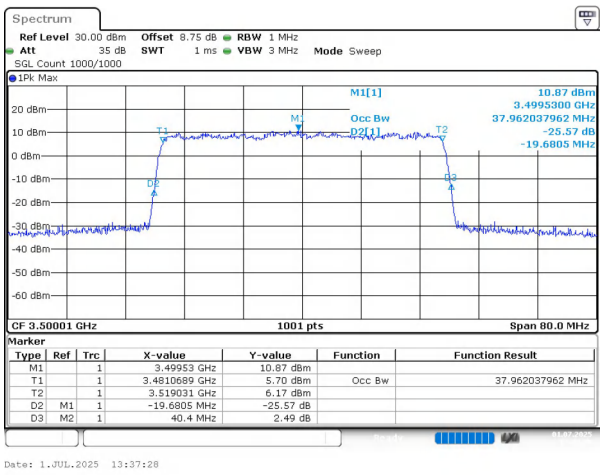

n78(3450-3550) SCS=30kHz CP_16QAM BW=40MHz

Channel=633334 RB=106@0



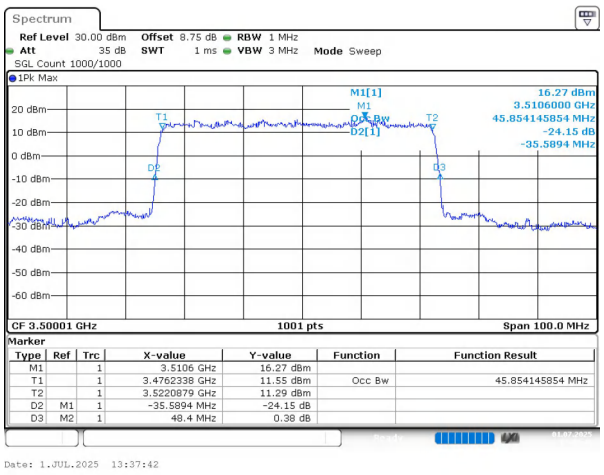

n78(3450-3550) SCS=30kHz CP_64QAM BW=40MHz

Channel=633334 RB=106@0



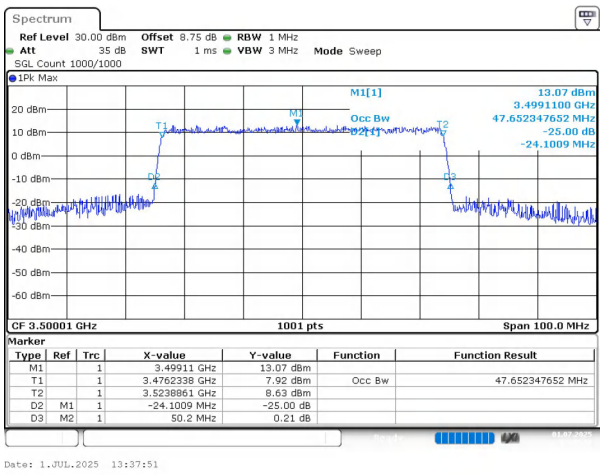

n78(3450-3550) SCS=30kHz CP_256QAM BW=40MHz

Channel=633334 RB=106@0



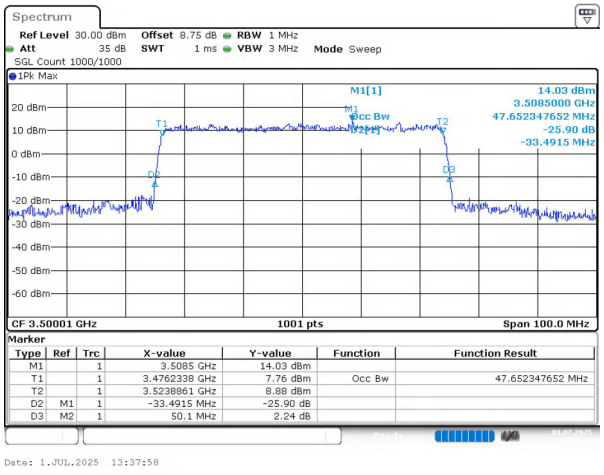

n78(3450-3550) SCS=30kHz DFT_BPSK BW=50MHz

Channel=633334 RB=128@0



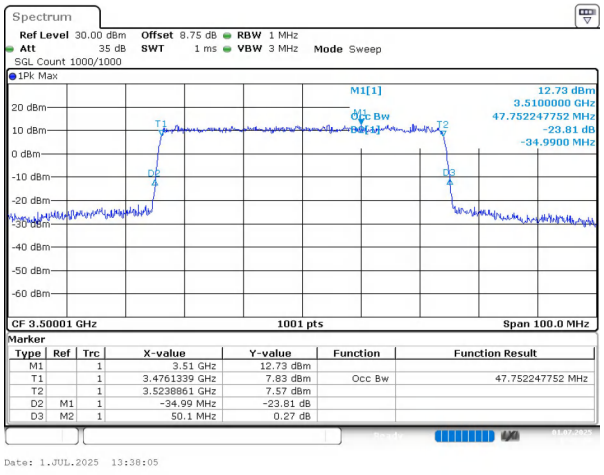

n78(3450-3550) SCS=30kHz CP_QPSK BW=50MHz

Channel=633334 RB=133@0



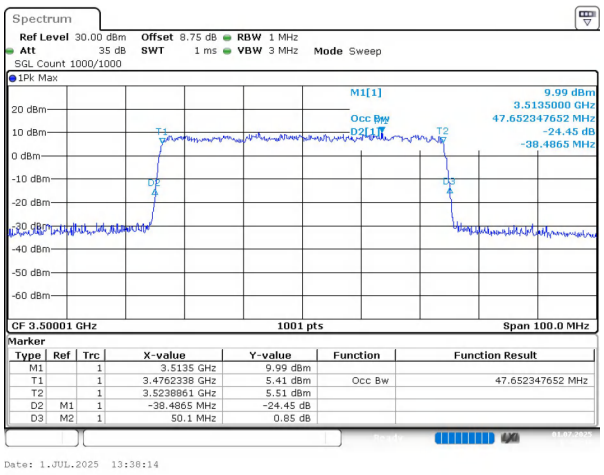

n78(3450-3550) SCS=30kHz CP_16QAM BW=50MHz

Channel=633334 RB=133@0



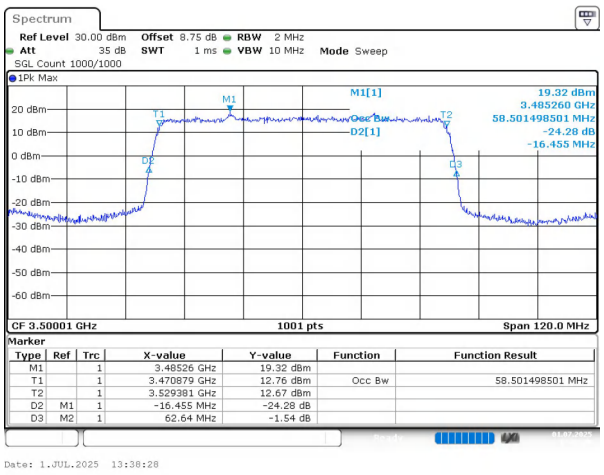

n78(3450-3550) SCS=30kHz CP_64QAM BW=50MHz

Channel=633334 RB=133@0



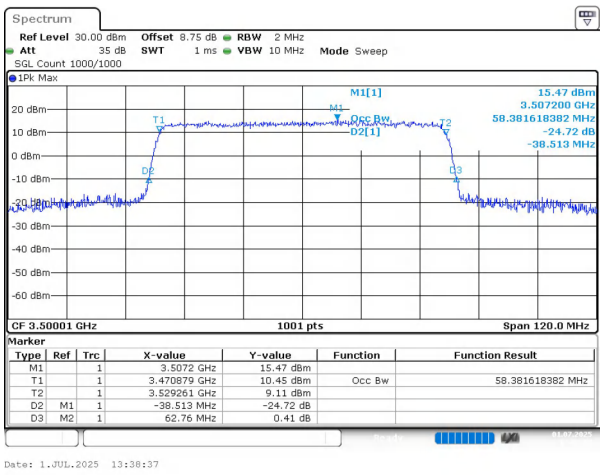

n78(3450-3550) SCS=30kHz CP_256QAM BW=50MHz

Channel=633334 RB=133@0



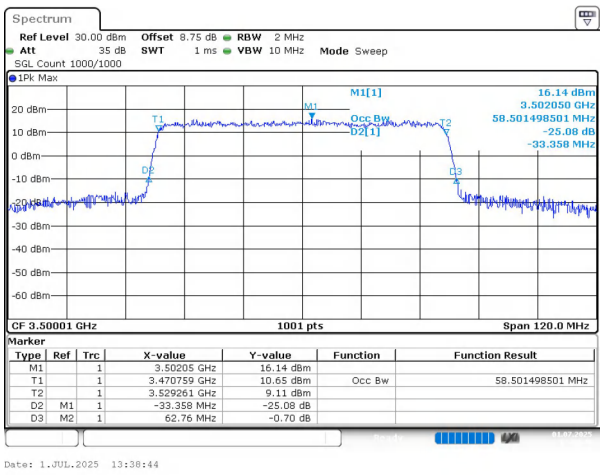

n78(3450-3550) SCS=30kHz DFT_BPSK BW=60MHz

Channel=633334 RB=162@0



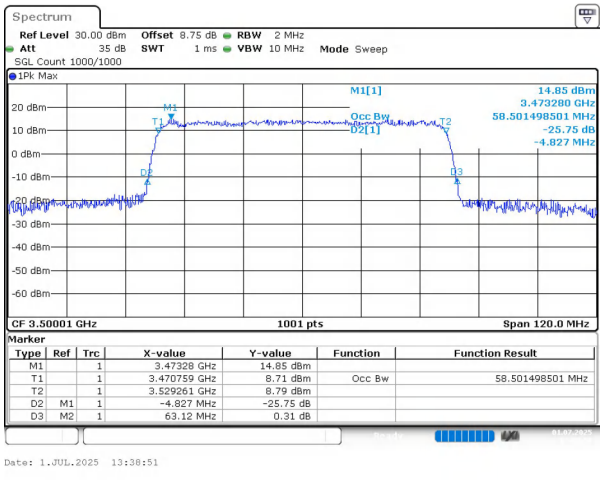

n78(3450-3550) SCS=30kHz CP_QPSK BW=60MHz

Channel=633334 RB=162@0



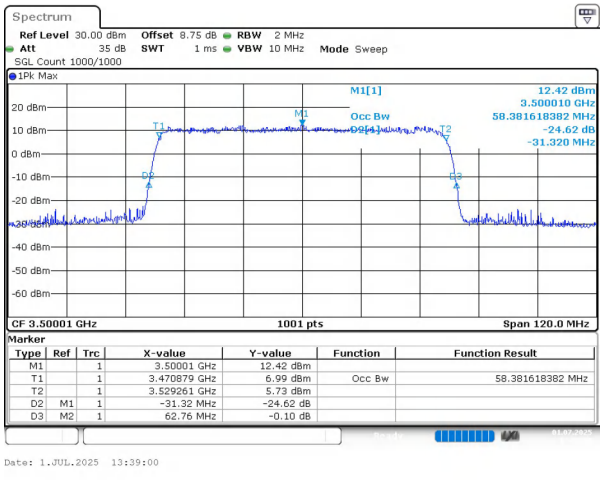

n78(3450-3550) SCS=30kHz CP_16QAM BW=60MHz

Channel=633334 RB=162@0



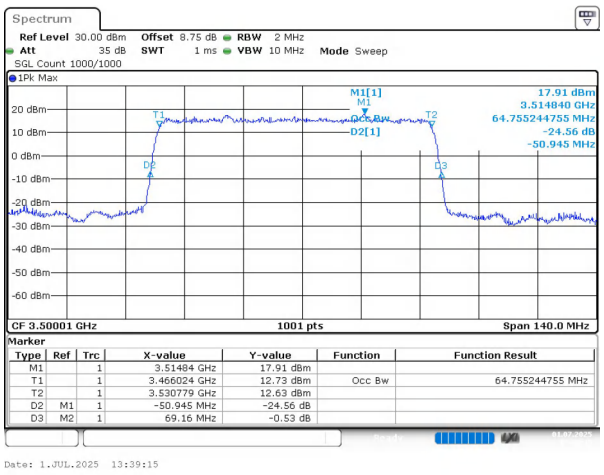

n78(3450-3550) SCS=30kHz CP_64QAM BW=60MHz

Channel=633334 RB=162@0



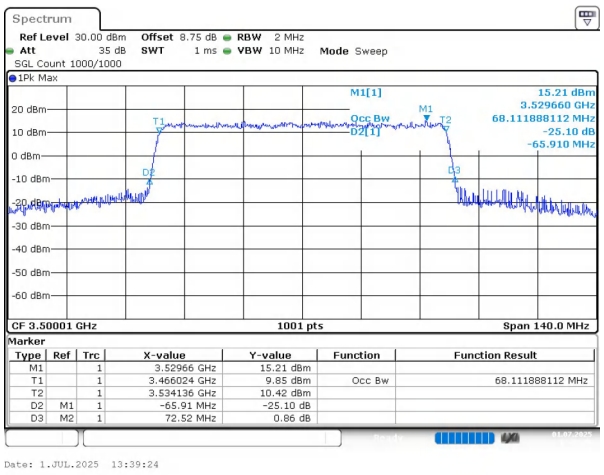

n78(3450-3550) SCS=30kHz CP_256QAM BW=60MHz

Channel=633334 RB=162@0



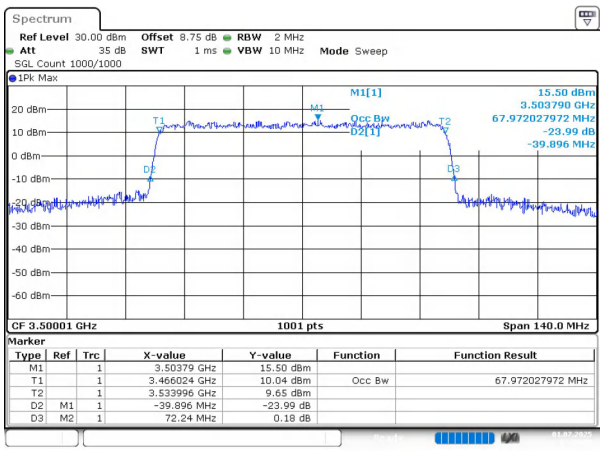

n78(3450-3550) SCS=30kHz DFT_BPSK BW=70MHz

Channel=633334 RB=180@0



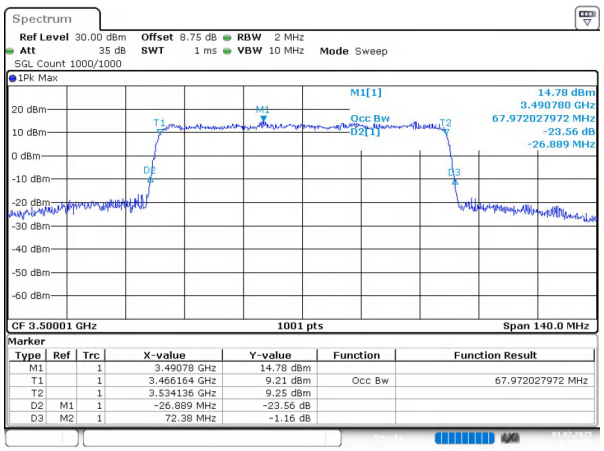

n78(3450-3550) SCS=30kHz CP_QPSK BW=70MHz

Channel=633334 RB=189@0



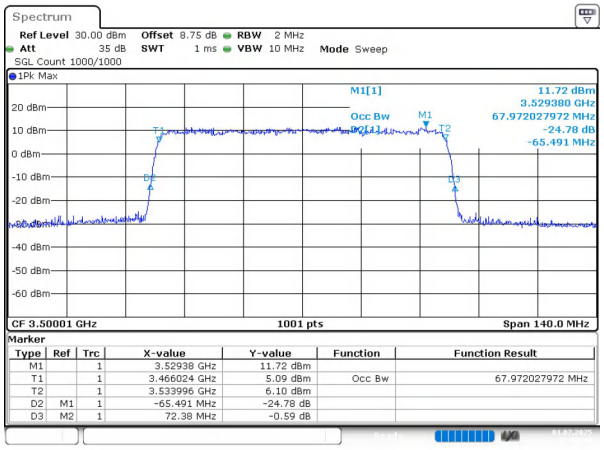

n78(3450-3550) SCS=30kHz CP_16QAM BW=70MHz

Channel=633334 RB=189@0



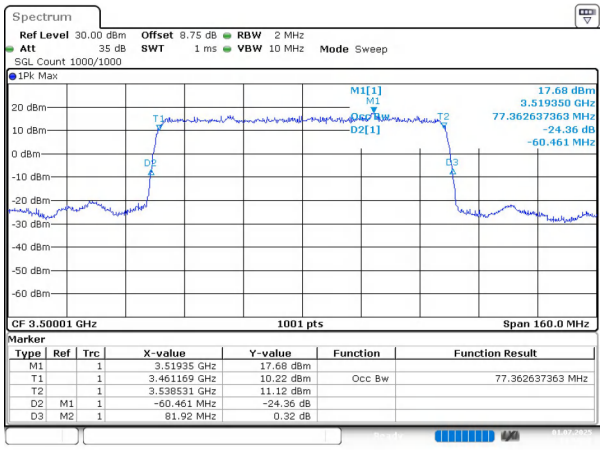

n78(3450-3550) SCS=30kHz CP_64QAM BW=70MHz

Channel=633334 RB=189@0



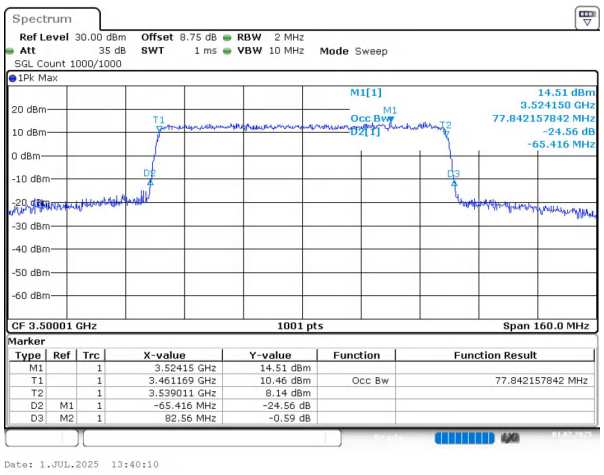

n78(3450-3550) SCS=30kHz CP_256QAM BW=70MHz

Channel=633334 RB=189@0



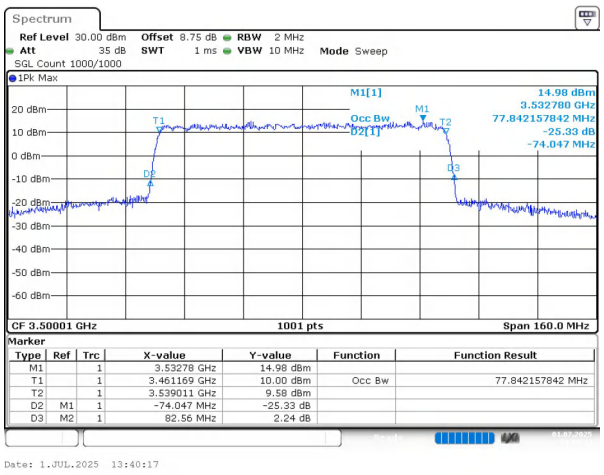

n78(3450-3550) SCS=30kHz DFT_BPSK BW=80MHz

Channel=633334 RB=216@0



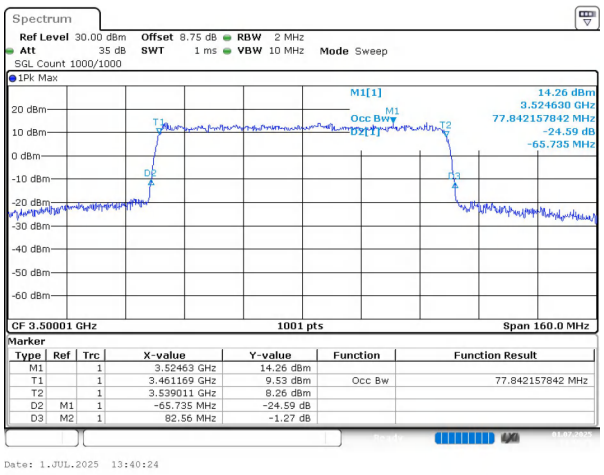

n78(3450-3550) SCS=30kHz CP_QPSK BW=80MHz

Channel=633334 RB=217@0



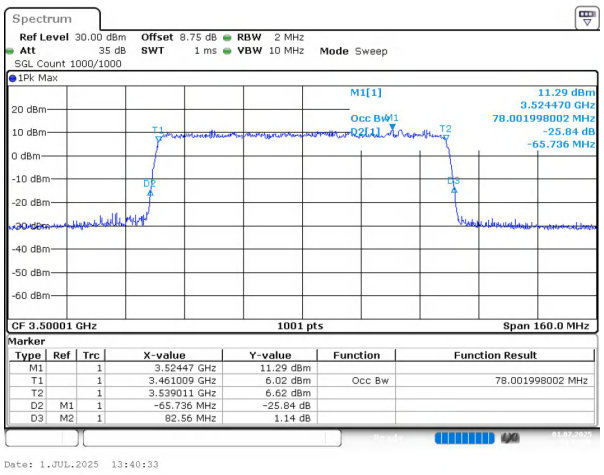

n78(3450-3550) SCS=30kHz CP_16QAM BW=80MHz

Channel=633334 RB=217@0



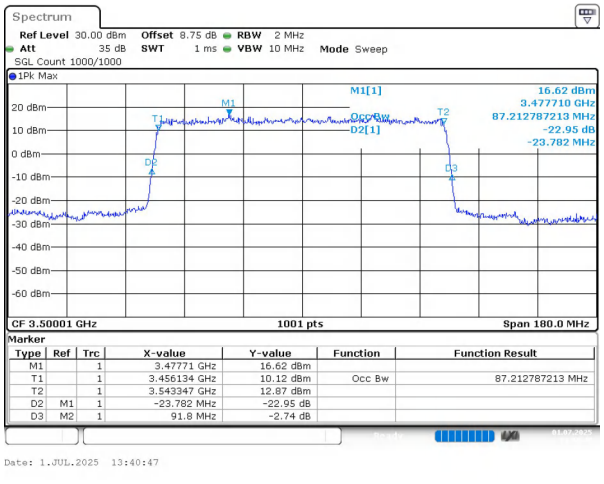

n78(3450-3550) SCS=30kHz CP_64QAM BW=80MHz

Channel=633334 RB=217@0



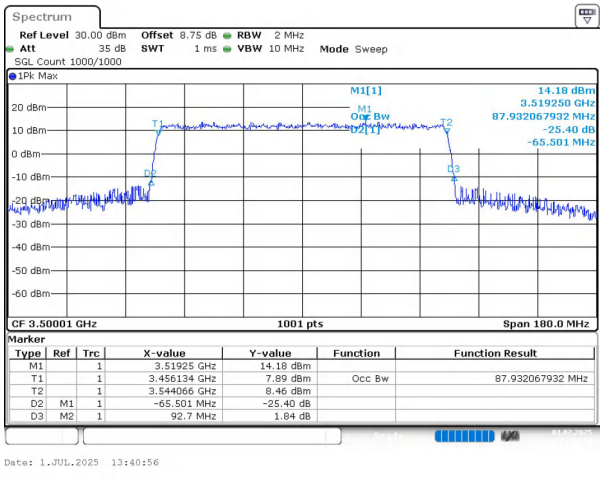

n78(3450-3550) SCS=30kHz CP_256QAM BW=80MHz

Channel=633334 RB=217@0



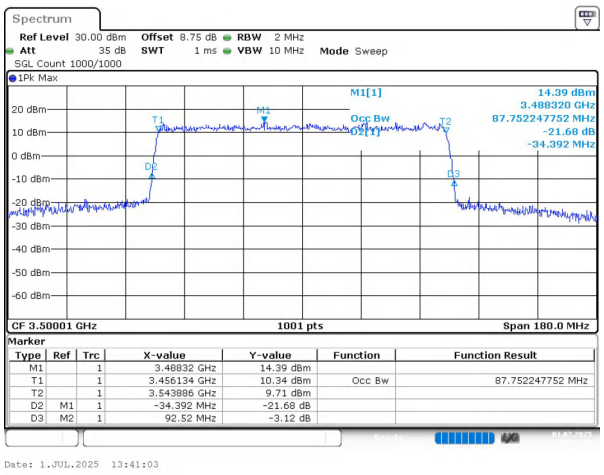

n78(3450-3550) SCS=30kHz DFT_BPSK BW=90MHz

Channel=633334 RB=243@0



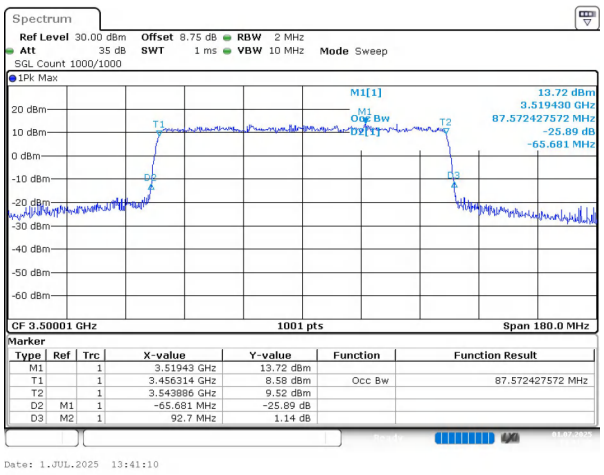

n78(3450-3550) SCS=30kHz CP_QPSK BW=90MHz

Channel=633334 RB=245@0



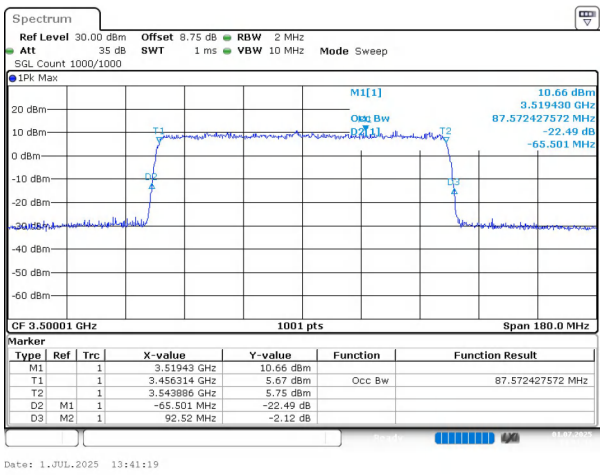

n78(3450-3550) SCS=30kHz CP_16QAM BW=90MHz

Channel=633334 RB=245@0



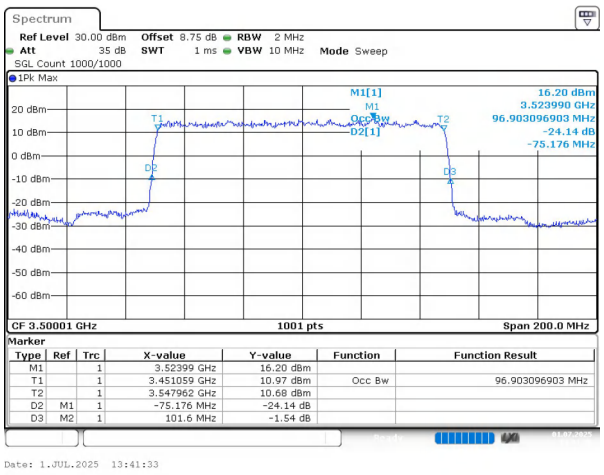

n78(3450-3550) SCS=30kHz CP_64QAM BW=90MHz

Channel=633334 RB=245@0



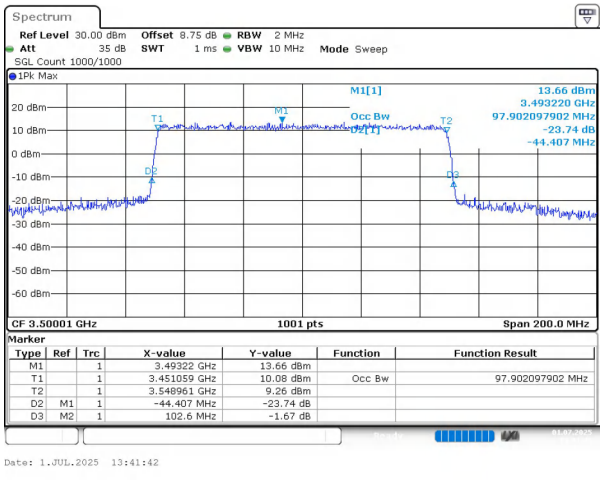

n78(3450-3550) SCS=30kHz CP_256QAM BW=90MHz

Channel=633334 RB=245@0



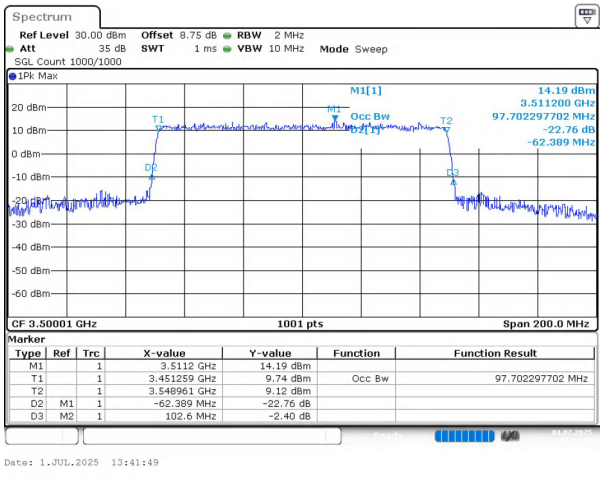

n78(3450-3550) SCS=30kHz DFT_BPSK BW=100MHz

Channel=633334 RB=270@0



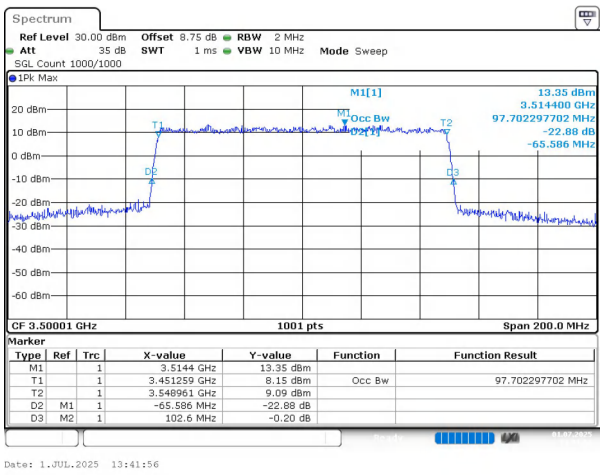

n78(3450-3550) SCS=30kHz CP_QPSK BW=100MHz

Channel=633334 RB=273@0



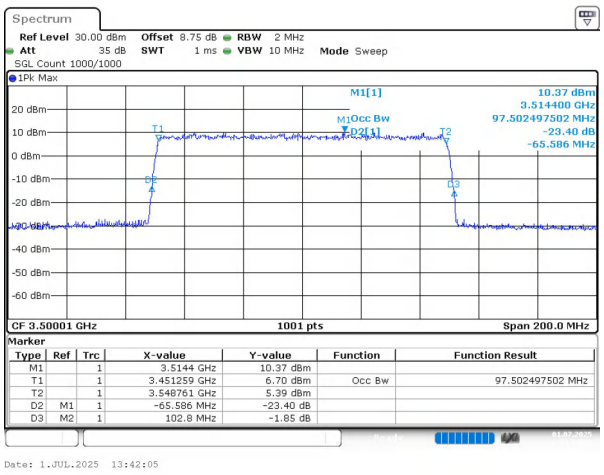

n78(3450-3550) SCS=30kHz CP_16QAM BW=100MHz

Channel=633334 RB=273@0




n78(3450-3550) SCS=30kHz CP_64QAM BW=100MHz

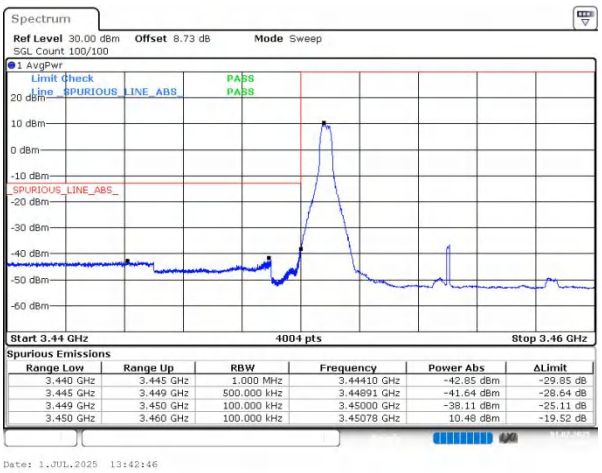
Channel=633334 RB=273@0




n78(3450-3550) SCS=30kHz CP_256QAM BW=100MHz

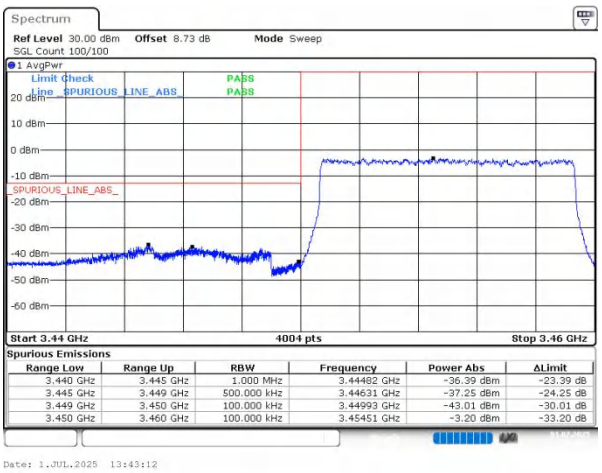
Channel=633334 RB=273@0

# 5. Conducted Band Edge



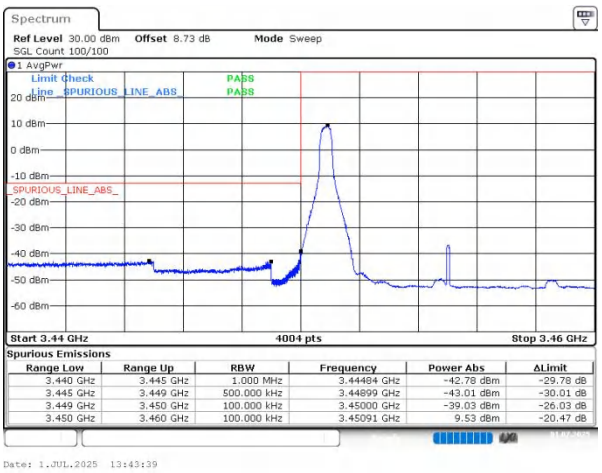

n78(3450-3550) SCS=30kHz DFT_BPSK BW=10MHz

LowChannel=630334 RB=1@0



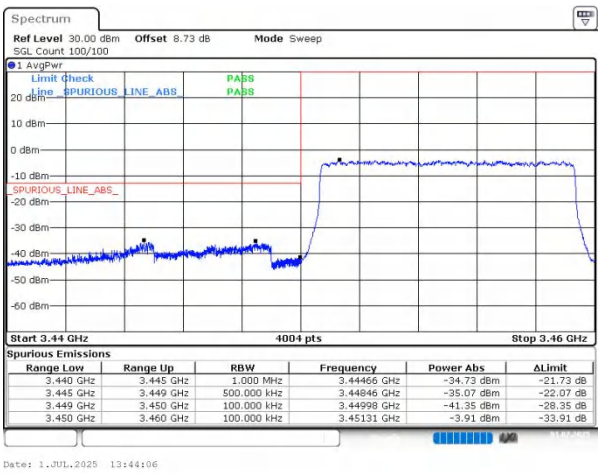

n78(3450-3550) SCS=30kHz DFT_BPSK BW=10MHz

LowChannel=630334 RB=24@0



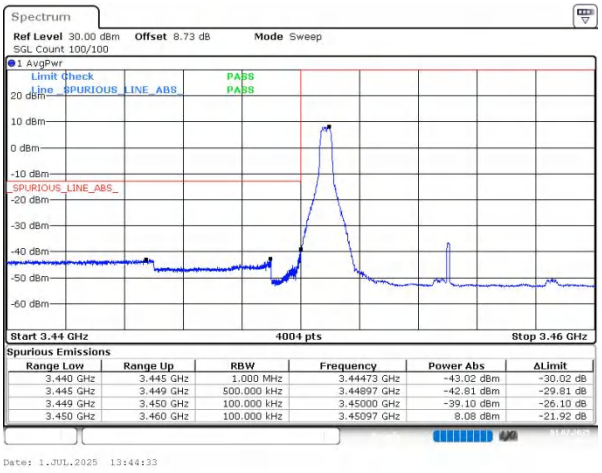

n78(3450-3550) SCS=30kHz DFT_QPSK BW=10MHz

LowChannel=630334 RB=1@0



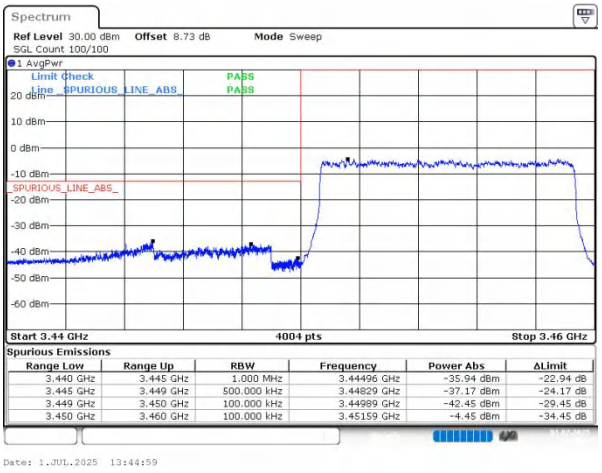

n78(3450-3550) SCS=30kHz DFT_QPSK BW=10MHz

LowChannel=630334 RB=24@0



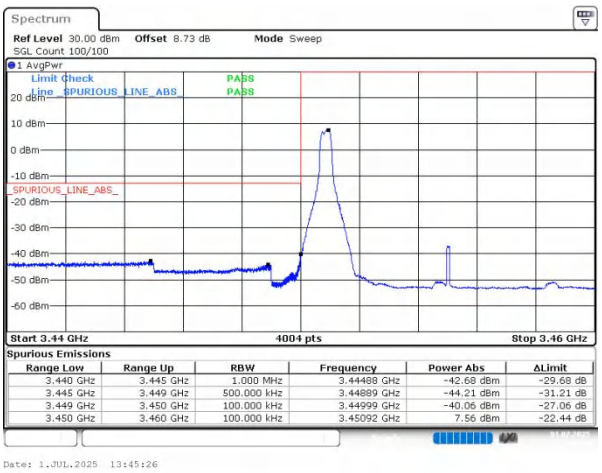

n78(3450-3550) SCS=30kHz DFT_16QAM BW=10MHz

LowChannel=630334 RB=1@0



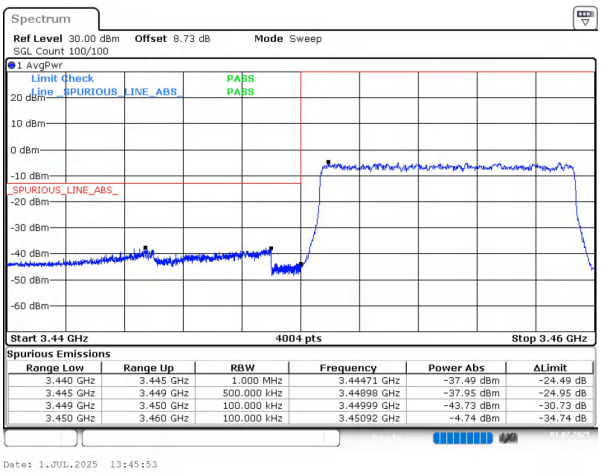

n78(3450-3550) SCS=30kHz DFT_16QAM BW=10MHz

LowChannel=630334 RB=24@0



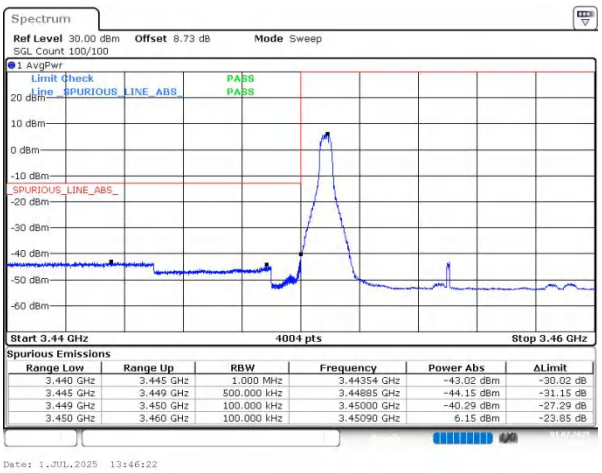

n78(3450-3550) SCS=30kHz DFT_64QAM BW=10MHz

LowChannel=630334 RB=1@0



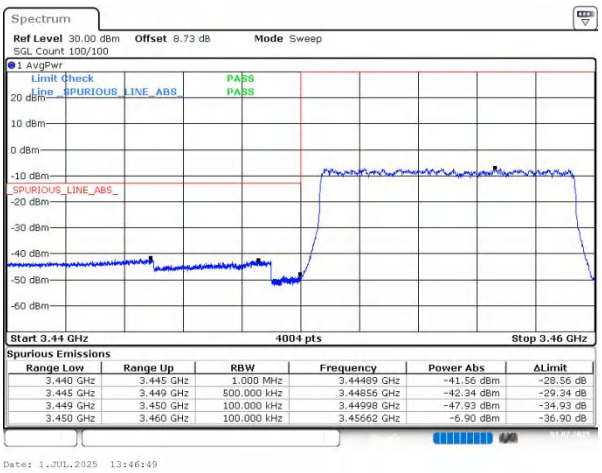

n78(3450-3550) SCS=30kHz DFT_64QAM BW=10MHz

LowChannel=630334 RB=24@0



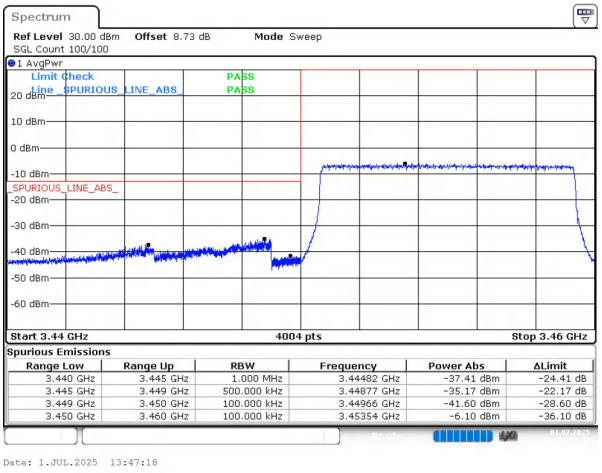

n78(3450-3550) SCS=30kHz DFT_256QAM BW=10MHz

LowChannel=630334 RB=1@0



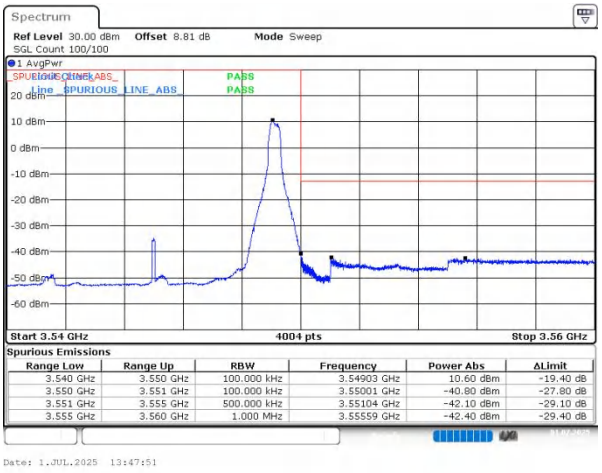

n78(3450-3550) SCS=30kHz DFT_256QAM BW=10MHz

LowChannel=630334 RB=24@0




n78(3450-3550) SCS=30kHz CP_QPSK BW=10MHz

LowChannel=630334 RB=24@0




n78(3450-3550) SCS=30kHz DFT_BPSK BW=10MHz

HighChannel=636332 RB=1@23