

## 1 Conducted output power for NR FR1

| Band           | SCS<br>(kHz) | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Allocation | Modulation | Power<br>(dBm) | Unflip<br>EIRP<br>(dBm) | Flip<br>EIRP<br>(dBm) | EIRP<br>Limit<br>(dBm) | Verdict |
|----------------|--------------|--------------------|---------------|------------------|------------|----------------|-------------------------|-----------------------|------------------------|---------|
| n77(3700-3980) | 30           | 10                 | 647000        | 12@6             | DFT_BPSK   | 25.53          | 24.43                   | 24.62                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 1@1              | DFT_BPSK   | 25.55          | 24.45                   | 24.64                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 1@22             | DFT_BPSK   | 25.41          | 24.31                   | 24.5                  | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 12@6             | DFT_QPSK   | 25.62          | 24.52                   | 24.71                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 1@1              | DFT_QPSK   | 25.37          | 24.27                   | 24.46                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 1@22             | DFT_QPSK   | 25.31          | 24.21                   | 24.4                  | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 12@6             | DFT_QAM16  | 24.51          | 23.41                   | 23.6                  | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 1@1              | DFT_QAM16  | 24.91          | 23.81                   | 24                    | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 1@22             | DFT_QAM16  | 24.84          | 23.74                   | 23.93                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 12@6             | DFT_QAM64  | 23.06          | 21.96                   | 22.15                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 1@1              | DFT_QAM64  | 23.06          | 21.96                   | 22.15                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 1@22             | DFT_QAM64  | 23.15          | 22.05                   | 22.24                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 12@6             | DFT_QAM256 | 21.00          | 19.90                   | 20.09                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 1@1              | DFT_QAM256 | 21.22          | 20.12                   | 20.31                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 1@22             | DFT_QAM256 | 21.13          | 20.03                   | 20.22                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 12@6             | CP_QPSK    | 23.99          | 22.89                   | 23.08                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 1@1              | CP_QPSK    | 24.08          | 22.98                   | 23.17                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 1@22             | CP_QPSK    | 24.02          | 22.92                   | 23.11                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 12@6             | CP_QAM16   | 23.45          | 22.35                   | 22.54                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 1@1              | CP_QAM16   | 23.54          | 22.44                   | 22.63                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 1@22             | CP_QAM16   | 23.55          | 22.45                   | 22.64                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 12@6             | CP_QAM64   | 21.93          | 20.83                   | 21.02                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 1@1              | CP_QAM64   | 22.29          | 21.19                   | 21.38                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 1@22             | CP_QAM64   | 22.26          | 21.16                   | 21.35                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 12@6             | CP_QAM256  | 19.13          | 18.03                   | 18.22                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 1@1              | CP_QAM256  | 19.42          | 18.32                   | 18.51                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 647000        | 1@22             | CP_QAM256  | 19.26          | 18.16                   | 18.35                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 656000        | 12@6             | DFT_BPSK   | 25.52          | 24.42                   | 24.61                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 656000        | 1@1              | DFT_BPSK   | 25.45          | 24.35                   | 24.54                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 656000        | 1@22             | DFT_BPSK   | 25.37          | 24.27                   | 24.46                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 656000        | 12@6             | DFT_QPSK   | 25.51          | 24.41                   | 24.6                  | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 656000        | 1@1              | DFT_QPSK   | 25.28          | 24.18                   | 24.37                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 656000        | 1@22             | DFT_QPSK   | 25.33          | 24.23                   | 24.42                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 656000        | 12@6             | DFT_QAM16  | 24.49          | 23.39                   | 23.58                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 656000        | 1@1              | DFT_QAM16  | 24.39          | 23.29                   | 23.48                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 656000        | 1@22             | DFT_QAM16  | 24.50          | 23.40                   | 23.59                 | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 656000        | 12@6             | DFT_QAM64  | 23.01          | 21.91                   | 22.1                  | 33.01                  | PASS    |
| n77(3700-3980) | 30           | 10                 | 656000        | 1@1              | DFT_QAM64  | 22.93          | 21.83                   | 22.02                 | 33.01                  | PASS    |

|                |    |    |        |      |            |       |       |       |       |      |
|----------------|----|----|--------|------|------------|-------|-------|-------|-------|------|
| n77(3700-3980) | 30 | 10 | 656000 | 1@22 | DFT_QAM64  | 22.99 | 21.89 | 22.08 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 656000 | 12@6 | DFT_QAM256 | 21.02 | 19.92 | 20.11 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 656000 | 1@1  | DFT_QAM256 | 21.10 | 20.00 | 20.19 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 656000 | 1@22 | DFT_QAM256 | 21.15 | 20.05 | 20.24 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 656000 | 12@6 | CP_QPSK    | 23.91 | 22.81 | 23    | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 656000 | 1@1  | CP_QPSK    | 23.77 | 22.67 | 22.86 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 656000 | 1@22 | CP_QPSK    | 24.03 | 22.93 | 23.12 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 656000 | 12@6 | CP_QAM16   | 23.47 | 22.37 | 22.56 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 656000 | 1@1  | CP_QAM16   | 23.47 | 22.37 | 22.56 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 656000 | 1@22 | CP_QAM16   | 23.46 | 22.36 | 22.55 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 656000 | 12@6 | CP_QAM64   | 21.89 | 20.79 | 20.98 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 656000 | 1@1  | CP_QAM64   | 21.60 | 20.50 | 20.69 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 656000 | 1@22 | CP_QAM64   | 22.24 | 21.14 | 21.33 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 656000 | 12@6 | CP_QAM256  | 19.16 | 18.06 | 18.25 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 656000 | 1@1  | CP_QAM256  | 19.35 | 18.25 | 18.44 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 656000 | 1@22 | CP_QAM256  | 18.89 | 17.79 | 17.98 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 12@6 | DFT_BPSK   | 24.45 | 23.35 | 23.54 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 1@1  | DFT_BPSK   | 24.45 | 23.35 | 23.54 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 1@22 | DFT_BPSK   | 24.29 | 23.19 | 23.38 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 12@6 | DFT_QPSK   | 24.44 | 23.34 | 23.53 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 1@1  | DFT_QPSK   | 24.38 | 23.28 | 23.47 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 1@22 | DFT_QPSK   | 24.27 | 23.17 | 23.36 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 12@6 | DFT_QAM16  | 23.45 | 22.35 | 22.54 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 1@1  | DFT_QAM16  | 23.53 | 22.43 | 22.62 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 1@22 | DFT_QAM16  | 23.38 | 22.28 | 22.47 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 12@6 | DFT_QAM64  | 22.07 | 20.97 | 21.16 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 1@1  | DFT_QAM64  | 21.83 | 20.73 | 20.92 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 1@22 | DFT_QAM64  | 21.77 | 20.67 | 20.86 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 12@6 | DFT_QAM256 | 20.02 | 18.92 | 19.11 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 1@1  | DFT_QAM256 | 20.17 | 19.07 | 19.26 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 1@22 | DFT_QAM256 | 19.96 | 18.86 | 19.05 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 12@6 | CP_QPSK    | 22.99 | 21.89 | 22.08 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 1@1  | CP_QPSK    | 22.97 | 21.87 | 22.06 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 1@22 | CP_QPSK    | 22.92 | 21.82 | 22.01 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 12@6 | CP_QAM16   | 22.37 | 21.27 | 21.46 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 1@1  | CP_QAM16   | 22.41 | 21.31 | 21.5  | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 1@22 | CP_QAM16   | 22.41 | 21.31 | 21.5  | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 12@6 | CP_QAM64   | 20.86 | 19.76 | 19.95 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 1@1  | CP_QAM64   | 21.18 | 20.08 | 20.27 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 1@22 | CP_QAM64   | 20.68 | 19.58 | 19.77 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 12@6 | CP_QAM256  | 18.01 | 16.91 | 17.1  | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 1@1  | CP_QAM256  | 17.79 | 16.69 | 16.88 | 33.01 | PASS |
| n77(3700-3980) | 30 | 10 | 665000 | 1@22 | CP_QAM256  | 18.23 | 17.13 | 17.32 | 33.01 | PASS |

|                |    |    |        |      |            |       |       |       |       |      |
|----------------|----|----|--------|------|------------|-------|-------|-------|-------|------|
| n77(3700-3980) | 30 | 15 | 647168 | 18@9 | DFT_BPSK   | 25.56 | 24.46 | 24.65 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 1@1  | DFT_BPSK   | 25.43 | 24.33 | 24.52 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 1@36 | DFT_BPSK   | 25.31 | 24.21 | 24.4  | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 18@9 | DFT_QPSK   | 25.60 | 24.50 | 24.69 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 1@1  | DFT_QPSK   | 25.43 | 24.33 | 24.52 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 1@36 | DFT_QPSK   | 25.31 | 24.21 | 24.4  | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 18@9 | DFT_QAM16  | 24.51 | 23.41 | 23.6  | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 1@1  | DFT_QAM16  | 24.92 | 23.82 | 24.01 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 1@36 | DFT_QAM16  | 24.74 | 23.64 | 23.83 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 18@9 | DFT_QAM64  | 23.00 | 21.90 | 22.09 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 1@1  | DFT_QAM64  | 23.12 | 22.02 | 22.21 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 1@36 | DFT_QAM64  | 23.12 | 22.02 | 22.21 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 18@9 | DFT_QAM256 | 21.08 | 19.98 | 20.17 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 1@1  | DFT_QAM256 | 21.18 | 20.08 | 20.27 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 1@36 | DFT_QAM256 | 21.06 | 19.96 | 20.15 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 19@9 | CP_QPSK    | 23.98 | 22.88 | 23.07 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 1@1  | CP_QPSK    | 23.88 | 22.78 | 22.97 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 1@36 | CP_QPSK    | 23.97 | 22.87 | 23.06 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 19@9 | CP_QAM16   | 23.52 | 22.42 | 22.61 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 1@1  | CP_QAM16   | 23.53 | 22.43 | 22.62 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 1@36 | CP_QAM16   | 23.48 | 22.38 | 22.57 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 19@9 | CP_QAM64   | 22.23 | 21.13 | 21.32 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 1@1  | CP_QAM64   | 21.65 | 20.55 | 20.74 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 1@36 | CP_QAM64   | 21.63 | 20.53 | 20.72 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 19@9 | CP_QAM256  | 19.02 | 17.92 | 18.11 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 1@1  | CP_QAM256  | 19.41 | 18.31 | 18.5  | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 647168 | 1@36 | CP_QAM256  | 19.28 | 18.18 | 18.37 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 18@9 | DFT_BPSK   | 25.51 | 24.41 | 24.6  | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 1@1  | DFT_BPSK   | 25.35 | 24.25 | 24.44 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 1@36 | DFT_BPSK   | 25.41 | 24.31 | 24.5  | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 18@9 | DFT_QPSK   | 25.53 | 24.43 | 24.62 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 1@1  | DFT_QPSK   | 25.22 | 24.12 | 24.31 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 1@36 | DFT_QPSK   | 25.35 | 24.25 | 24.44 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 18@9 | DFT_QAM16  | 24.42 | 23.32 | 23.51 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 1@1  | DFT_QAM16  | 24.76 | 23.66 | 23.85 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 1@36 | DFT_QAM16  | 24.77 | 23.67 | 23.86 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 18@9 | DFT_QAM64  | 22.93 | 21.83 | 22.02 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 1@1  | DFT_QAM64  | 23.05 | 21.95 | 22.14 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 1@36 | DFT_QAM64  | 23.08 | 21.98 | 22.17 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 18@9 | DFT_QAM256 | 21.03 | 19.93 | 20.12 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 1@1  | DFT_QAM256 | 21.03 | 19.93 | 20.12 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 1@36 | DFT_QAM256 | 21.12 | 20.02 | 20.21 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 19@9 | CP_QPSK    | 23.98 | 22.88 | 23.07 | 33.01 | PASS |

|                |    |    |        |       |            |       |       |       |       |      |
|----------------|----|----|--------|-------|------------|-------|-------|-------|-------|------|
| n77(3700-3980) | 30 | 15 | 656000 | 1@1   | CP_QPSK    | 23.77 | 22.67 | 22.86 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 1@36  | CP_QPSK    | 23.95 | 22.85 | 23.04 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 19@9  | CP_QAM16   | 23.53 | 22.43 | 22.62 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 1@1   | CP_QAM16   | 23.51 | 22.41 | 22.6  | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 1@36  | CP_QAM16   | 23.56 | 22.46 | 22.65 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 19@9  | CP_QAM64   | 22.00 | 20.90 | 21.09 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 1@1   | CP_QAM64   | 22.11 | 21.01 | 21.2  | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 1@36  | CP_QAM64   | 21.83 | 20.73 | 20.92 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 19@9  | CP_QAM256  | 19.17 | 18.07 | 18.26 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 1@1   | CP_QAM256  | 19.33 | 18.23 | 18.42 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 656000 | 1@36  | CP_QAM256  | 19.43 | 18.33 | 18.52 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 18@9  | DFT_BPSK   | 24.47 | 23.37 | 23.56 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 1@1   | DFT_BPSK   | 24.39 | 23.29 | 23.48 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 1@36  | DFT_BPSK   | 24.39 | 23.29 | 23.48 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 18@9  | DFT_QPSK   | 24.34 | 23.24 | 23.43 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 1@1   | DFT_QPSK   | 24.25 | 23.15 | 23.34 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 1@36  | DFT_QPSK   | 24.18 | 23.08 | 23.27 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 18@9  | DFT_QAM16  | 23.47 | 22.37 | 22.56 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 1@1   | DFT_QAM16  | 23.75 | 22.65 | 22.84 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 1@36  | DFT_QAM16  | 23.31 | 22.21 | 22.4  | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 18@9  | DFT_QAM64  | 21.95 | 20.85 | 21.04 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 1@1   | DFT_QAM64  | 22.06 | 20.96 | 21.15 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 1@36  | DFT_QAM64  | 21.78 | 20.68 | 20.87 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 18@9  | DFT_QAM256 | 19.98 | 18.88 | 19.07 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 1@1   | DFT_QAM256 | 20.13 | 19.03 | 19.22 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 1@36  | DFT_QAM256 | 20.02 | 18.92 | 19.11 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 19@9  | CP_QPSK    | 22.78 | 21.68 | 21.87 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 1@1   | CP_QPSK    | 22.97 | 21.87 | 22.06 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 1@36  | CP_QPSK    | 22.79 | 21.69 | 21.88 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 19@9  | CP_QAM16   | 22.51 | 21.41 | 21.6  | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 1@1   | CP_QAM16   | 22.42 | 21.32 | 21.51 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 1@36  | CP_QAM16   | 22.39 | 21.29 | 21.48 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 19@9  | CP_QAM64   | 21.12 | 20.02 | 20.21 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 1@1   | CP_QAM64   | 21.03 | 19.93 | 20.12 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 1@36  | CP_QAM64   | 21.10 | 20.00 | 20.19 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 19@9  | CP_QAM256  | 18.11 | 17.01 | 17.2  | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 1@1   | CP_QAM256  | 18.52 | 17.42 | 17.61 | 33.01 | PASS |
| n77(3700-3980) | 30 | 15 | 664832 | 1@36  | CP_QAM256  | 17.65 | 16.55 | 16.74 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 25@12 | DFT_BPSK   | 25.56 | 24.46 | 24.65 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 1@1   | DFT_BPSK   | 25.44 | 24.34 | 24.53 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 1@49  | DFT_BPSK   | 25.27 | 24.17 | 24.36 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 25@12 | DFT_QPSK   | 25.55 | 24.45 | 24.64 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 1@1   | DFT_QPSK   | 25.32 | 24.22 | 24.41 | 33.01 | PASS |

|                |    |    |        |       |            |       |       |       |       |      |
|----------------|----|----|--------|-------|------------|-------|-------|-------|-------|------|
| n77(3700-3980) | 30 | 20 | 647334 | 1@49  | DFT_QPSK   | 25.15 | 24.05 | 24.24 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 25@12 | DFT_QAM16  | 24.55 | 23.45 | 23.64 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 1@1   | DFT_QAM16  | 24.77 | 23.67 | 23.86 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 1@49  | DFT_QAM16  | 24.37 | 23.27 | 23.46 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 25@12 | DFT_QAM64  | 22.99 | 21.89 | 22.08 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 1@1   | DFT_QAM64  | 22.83 | 21.73 | 21.92 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 1@49  | DFT_QAM64  | 22.69 | 21.59 | 21.78 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 25@12 | DFT_QAM256 | 21.02 | 19.92 | 20.11 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 1@1   | DFT_QAM256 | 21.11 | 20.01 | 20.2  | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 1@49  | DFT_QAM256 | 20.92 | 19.82 | 20.01 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 25@12 | CP_QPSK    | 23.96 | 22.86 | 23.05 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 1@1   | CP_QPSK    | 23.85 | 22.75 | 22.94 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 1@49  | CP_QPSK    | 23.65 | 22.55 | 22.74 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 25@12 | CP_QAM16   | 23.54 | 22.44 | 22.63 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 1@1   | CP_QAM16   | 23.47 | 22.37 | 22.56 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 1@49  | CP_QAM16   | 23.48 | 22.38 | 22.57 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 25@12 | CP_QAM64   | 22.05 | 20.95 | 21.14 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 1@1   | CP_QAM64   | 21.74 | 20.64 | 20.83 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 1@49  | CP_QAM64   | 21.68 | 20.58 | 20.77 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 25@12 | CP_QAM256  | 19.04 | 17.94 | 18.13 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 1@1   | CP_QAM256  | 18.60 | 17.50 | 17.69 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 647334 | 1@49  | CP_QAM256  | 19.08 | 17.98 | 18.17 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 25@12 | DFT_BPSK   | 25.51 | 24.41 | 24.6  | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 1@1   | DFT_BPSK   | 25.29 | 24.19 | 24.38 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 1@49  | DFT_BPSK   | 25.42 | 24.32 | 24.51 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 25@12 | DFT_QPSK   | 25.57 | 24.47 | 24.66 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 1@1   | DFT_QPSK   | 25.24 | 24.14 | 24.33 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 1@49  | DFT_QPSK   | 25.38 | 24.28 | 24.47 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 25@12 | DFT_QAM16  | 24.55 | 23.45 | 23.64 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 1@1   | DFT_QAM16  | 24.62 | 23.52 | 23.71 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 1@49  | DFT_QAM16  | 24.81 | 23.71 | 23.9  | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 25@12 | DFT_QAM64  | 22.90 | 21.80 | 21.99 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 1@1   | DFT_QAM64  | 22.78 | 21.68 | 21.87 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 1@49  | DFT_QAM64  | 22.97 | 21.87 | 22.06 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 25@12 | DFT_QAM256 | 21.05 | 19.95 | 20.14 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 1@1   | DFT_QAM256 | 20.94 | 19.84 | 20.03 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 1@49  | DFT_QAM256 | 21.03 | 19.93 | 20.12 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 25@12 | CP_QPSK    | 23.95 | 22.85 | 23.04 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 1@1   | CP_QPSK    | 23.79 | 22.69 | 22.88 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 1@49  | CP_QPSK    | 23.84 | 22.74 | 22.93 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 25@12 | CP_QAM16   | 23.43 | 22.33 | 22.52 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 1@1   | CP_QAM16   | 23.42 | 22.32 | 22.51 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 1@49  | CP_QAM16   | 23.46 | 22.36 | 22.55 | 33.01 | PASS |

|                |    |    |        |       |            |       |       |       |       |      |
|----------------|----|----|--------|-------|------------|-------|-------|-------|-------|------|
| n77(3700-3980) | 30 | 20 | 656000 | 25@12 | CP_QAM64   | 22.05 | 20.95 | 21.14 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 1@1   | CP_QAM64   | 21.98 | 20.88 | 21.07 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 1@49  | CP_QAM64   | 21.58 | 20.48 | 20.67 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 25@12 | CP_QAM256  | 19.17 | 18.07 | 18.26 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 1@1   | CP_QAM256  | 19.27 | 18.17 | 18.36 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 656000 | 1@49  | CP_QAM256  | 19.44 | 18.34 | 18.53 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 25@12 | DFT_BPSK   | 24.51 | 23.41 | 23.6  | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 1@1   | DFT_BPSK   | 24.36 | 23.26 | 23.45 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 1@49  | DFT_BPSK   | 24.28 | 23.18 | 23.37 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 25@12 | DFT_QPSK   | 24.46 | 23.36 | 23.55 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 1@1   | DFT_QPSK   | 24.20 | 23.10 | 23.29 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 1@49  | DFT_QPSK   | 24.14 | 23.04 | 23.23 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 25@12 | DFT_QAM16  | 23.42 | 22.32 | 22.51 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 1@1   | DFT_QAM16  | 23.80 | 22.70 | 22.89 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 1@49  | DFT_QAM16  | 23.66 | 22.56 | 22.75 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 25@12 | DFT_QAM64  | 21.98 | 20.88 | 21.07 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 1@1   | DFT_QAM64  | 21.80 | 20.70 | 20.89 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 1@49  | DFT_QAM64  | 21.99 | 20.89 | 21.08 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 25@12 | DFT_QAM256 | 20.00 | 18.90 | 19.09 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 1@1   | DFT_QAM256 | 20.03 | 18.93 | 19.12 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 1@49  | DFT_QAM256 | 19.84 | 18.74 | 18.93 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 25@12 | CP_QPSK    | 22.94 | 21.84 | 22.03 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 1@1   | CP_QPSK    | 22.91 | 21.81 | 22    | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 1@49  | CP_QPSK    | 22.63 | 21.53 | 21.72 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 25@12 | CP_QAM16   | 22.45 | 21.35 | 21.54 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 1@1   | CP_QAM16   | 22.43 | 21.33 | 21.52 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 1@49  | CP_QAM16   | 22.33 | 21.23 | 21.42 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 25@12 | CP_QAM64   | 21.09 | 19.99 | 20.18 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 1@1   | CP_QAM64   | 20.69 | 19.59 | 19.78 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 1@49  | CP_QAM64   | 20.68 | 19.58 | 19.77 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 25@12 | CP_QAM256  | 18.18 | 17.08 | 17.27 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 1@1   | CP_QAM256  | 18.37 | 17.27 | 17.46 | 33.01 | PASS |
| n77(3700-3980) | 30 | 20 | 664666 | 1@49  | CP_QAM256  | 18.29 | 17.19 | 17.38 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 36@18 | DFT_BPSK   | 25.53 | 24.43 | 24.62 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 1@1   | DFT_BPSK   | 25.32 | 24.22 | 24.41 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 1@76  | DFT_BPSK   | 25.33 | 24.23 | 24.42 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 36@18 | DFT_QPSK   | 25.47 | 24.37 | 24.56 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 1@1   | DFT_QPSK   | 25.14 | 24.04 | 24.23 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 1@76  | DFT_QPSK   | 25.22 | 24.12 | 24.31 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 36@18 | DFT_QAM16  | 24.45 | 23.35 | 23.54 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 1@1   | DFT_QAM16  | 24.61 | 23.51 | 23.7  | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 1@76  | DFT_QAM16  | 24.22 | 23.12 | 23.31 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 36@18 | DFT_QAM64  | 23.00 | 21.90 | 22.09 | 33.01 | PASS |

|                |    |    |        |       |            |       |       |       |       |      |
|----------------|----|----|--------|-------|------------|-------|-------|-------|-------|------|
| n77(3700-3980) | 30 | 30 | 647668 | 1@1   | DFT_QAM64  | 22.92 | 21.82 | 22.01 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 1@76  | DFT_QAM64  | 22.77 | 21.67 | 21.86 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 36@18 | DFT_QAM256 | 20.96 | 19.86 | 20.05 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 1@1   | DFT_QAM256 | 20.98 | 19.88 | 20.07 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 1@76  | DFT_QAM256 | 20.95 | 19.85 | 20.04 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 39@19 | CP_QPSK    | 23.94 | 22.84 | 23.03 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 1@1   | CP_QPSK    | 23.63 | 22.53 | 22.72 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 1@76  | CP_QPSK    | 23.86 | 22.76 | 22.95 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 39@19 | CP_QAM16   | 23.36 | 22.26 | 22.45 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 1@1   | CP_QAM16   | 23.33 | 22.23 | 22.42 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 1@76  | CP_QAM16   | 23.44 | 22.34 | 22.53 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 39@19 | CP_QAM64   | 21.97 | 20.87 | 21.06 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 1@1   | CP_QAM64   | 21.98 | 20.88 | 21.07 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 1@76  | CP_QAM64   | 22.07 | 20.97 | 21.16 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 39@19 | CP_QAM256  | 18.92 | 17.82 | 18.01 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 1@1   | CP_QAM256  | 18.51 | 17.41 | 17.6  | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 647668 | 1@76  | CP_QAM256  | 19.19 | 18.09 | 18.28 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 36@18 | DFT_BPSK   | 25.47 | 24.37 | 24.56 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 1@1   | DFT_BPSK   | 24.90 | 23.80 | 23.99 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 1@76  | DFT_BPSK   | 25.19 | 24.09 | 24.28 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 36@18 | DFT_QPSK   | 25.50 | 24.40 | 24.59 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 1@1   | DFT_QPSK   | 24.77 | 23.67 | 23.86 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 1@76  | DFT_QPSK   | 25.07 | 23.97 | 24.16 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 36@18 | DFT_QAM16  | 24.44 | 23.34 | 23.53 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 1@1   | DFT_QAM16  | 24.01 | 22.91 | 23.1  | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 1@76  | DFT_QAM16  | 24.26 | 23.16 | 23.35 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 36@18 | DFT_QAM64  | 22.90 | 21.80 | 21.99 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 1@1   | DFT_QAM64  | 22.34 | 21.24 | 21.43 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 1@76  | DFT_QAM64  | 22.64 | 21.54 | 21.73 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 36@18 | DFT_QAM256 | 21.02 | 19.92 | 20.11 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 1@1   | DFT_QAM256 | 20.60 | 19.50 | 19.69 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 1@76  | DFT_QAM256 | 20.84 | 19.74 | 19.93 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 39@19 | CP_QPSK    | 23.98 | 22.88 | 23.07 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 1@1   | CP_QPSK    | 23.43 | 22.33 | 22.52 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 1@76  | CP_QPSK    | 23.71 | 22.61 | 22.8  | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 39@19 | CP_QAM16   | 23.37 | 22.27 | 22.46 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 1@1   | CP_QAM16   | 23.08 | 21.98 | 22.17 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 1@76  | CP_QAM16   | 23.47 | 22.37 | 22.56 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 39@19 | CP_QAM64   | 21.89 | 20.79 | 20.98 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 1@1   | CP_QAM64   | 21.60 | 20.50 | 20.69 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 1@76  | CP_QAM64   | 21.69 | 20.59 | 20.78 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 39@19 | CP_QAM256  | 19.01 | 17.91 | 18.1  | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 656000 | 1@1   | CP_QAM256  | 18.80 | 17.70 | 17.89 | 33.01 | PASS |

|                |    |    |        |       |            |       |       |       |       |      |
|----------------|----|----|--------|-------|------------|-------|-------|-------|-------|------|
| n77(3700-3980) | 30 | 30 | 656000 | 1@76  | CP_QAM256  | 19.11 | 18.01 | 18.2  | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 36@18 | DFT_BPSK   | 24.55 | 23.45 | 23.64 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 1@1   | DFT_BPSK   | 24.26 | 23.16 | 23.35 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 1@76  | DFT_BPSK   | 24.14 | 23.04 | 23.23 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 36@18 | DFT_QPSK   | 24.53 | 23.43 | 23.62 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 1@1   | DFT_QPSK   | 24.07 | 22.97 | 23.16 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 1@76  | DFT_QPSK   | 24.05 | 22.95 | 23.14 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 36@18 | DFT_QAM16  | 23.46 | 22.36 | 22.55 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 1@1   | DFT_QAM16  | 23.22 | 22.12 | 22.31 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 1@76  | DFT_QAM16  | 23.21 | 22.11 | 22.3  | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 36@18 | DFT_QAM64  | 22.00 | 20.90 | 21.09 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 1@1   | DFT_QAM64  | 21.86 | 20.76 | 20.95 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 1@76  | DFT_QAM64  | 21.82 | 20.72 | 20.91 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 36@18 | DFT_QAM256 | 20.12 | 19.02 | 19.21 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 1@1   | DFT_QAM256 | 19.88 | 18.78 | 18.97 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 1@76  | DFT_QAM256 | 19.96 | 18.86 | 19.05 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 39@19 | CP_QPSK    | 22.94 | 21.84 | 22.03 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 1@1   | CP_QPSK    | 22.79 | 21.69 | 21.88 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 1@76  | CP_QPSK    | 22.73 | 21.63 | 21.82 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 39@19 | CP_QAM16   | 22.44 | 21.34 | 21.53 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 1@1   | CP_QAM16   | 22.20 | 21.10 | 21.29 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 1@76  | CP_QAM16   | 22.32 | 21.22 | 21.41 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 39@19 | CP_QAM64   | 21.00 | 19.90 | 20.09 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 1@1   | CP_QAM64   | 21.03 | 19.93 | 20.12 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 1@76  | CP_QAM64   | 20.71 | 19.61 | 19.8  | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 39@19 | CP_QAM256  | 18.14 | 17.04 | 17.23 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 1@1   | CP_QAM256  | 17.59 | 16.49 | 16.68 | 33.01 | PASS |
| n77(3700-3980) | 30 | 30 | 664332 | 1@76  | CP_QAM256  | 18.24 | 17.14 | 17.33 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 50@25 | DFT_BPSK   | 25.47 | 24.37 | 24.56 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 1@1   | DFT_BPSK   | 25.03 | 23.93 | 24.12 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 1@104 | DFT_BPSK   | 25.17 | 24.07 | 24.26 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 50@25 | DFT_QPSK   | 25.50 | 24.40 | 24.59 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 1@1   | DFT_QPSK   | 24.98 | 23.88 | 24.07 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 1@104 | DFT_QPSK   | 25.11 | 24.01 | 24.2  | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 50@25 | DFT_QAM16  | 24.49 | 23.39 | 23.58 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 1@1   | DFT_QAM16  | 24.51 | 23.41 | 23.6  | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 1@104 | DFT_QAM16  | 24.28 | 23.18 | 23.37 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 50@25 | DFT_QAM64  | 22.95 | 21.85 | 22.04 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 1@1   | DFT_QAM64  | 22.82 | 21.72 | 21.91 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 1@104 | DFT_QAM64  | 22.84 | 21.74 | 21.93 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 50@25 | DFT_QAM256 | 21.01 | 19.91 | 20.1  | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 1@1   | DFT_QAM256 | 20.96 | 19.86 | 20.05 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 1@104 | DFT_QAM256 | 21.07 | 19.97 | 20.16 | 33.01 | PASS |

|                |    |    |        |       |            |       |       |       |       |      |
|----------------|----|----|--------|-------|------------|-------|-------|-------|-------|------|
| n77(3700-3980) | 30 | 40 | 648000 | 53@26 | CP_QPSK    | 23.89 | 22.79 | 22.98 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 1@1   | CP_QPSK    | 23.53 | 22.43 | 22.62 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 1@104 | CP_QPSK    | 23.67 | 22.57 | 22.76 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 53@26 | CP_QAM16   | 23.42 | 22.32 | 22.51 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 1@1   | CP_QAM16   | 23.19 | 22.09 | 22.28 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 1@104 | CP_QAM16   | 23.51 | 22.41 | 22.6  | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 53@26 | CP_QAM64   | 21.95 | 20.85 | 21.04 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 1@1   | CP_QAM64   | 21.78 | 20.68 | 20.87 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 1@104 | CP_QAM64   | 21.71 | 20.61 | 20.8  | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 53@26 | CP_QAM256  | 18.84 | 17.74 | 17.93 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 1@1   | CP_QAM256  | 18.90 | 17.80 | 17.99 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 648000 | 1@104 | CP_QAM256  | 19.07 | 17.97 | 18.16 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 50@25 | DFT_BPSK   | 25.45 | 24.35 | 24.54 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 1@1   | DFT_BPSK   | 24.79 | 23.69 | 23.88 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 1@104 | DFT_BPSK   | 24.99 | 23.89 | 24.08 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 50@25 | DFT_QPSK   | 25.43 | 24.33 | 24.52 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 1@1   | DFT_QPSK   | 24.68 | 23.58 | 23.77 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 1@104 | DFT_QPSK   | 24.82 | 23.72 | 23.91 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 50@25 | DFT_QAM16  | 24.43 | 23.33 | 23.52 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 1@1   | DFT_QAM16  | 24.08 | 22.98 | 23.17 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 1@104 | DFT_QAM16  | 23.94 | 22.84 | 23.03 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 50@25 | DFT_QAM64  | 22.90 | 21.80 | 21.99 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 1@1   | DFT_QAM64  | 22.26 | 21.16 | 21.35 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 1@104 | DFT_QAM64  | 22.75 | 21.65 | 21.84 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 50@25 | DFT_QAM256 | 20.96 | 19.86 | 20.05 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 1@1   | DFT_QAM256 | 20.33 | 19.23 | 19.42 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 1@104 | DFT_QAM256 | 20.70 | 19.60 | 19.79 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 53@26 | CP_QPSK    | 23.85 | 22.75 | 22.94 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 1@1   | CP_QPSK    | 23.28 | 22.18 | 22.37 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 1@104 | CP_QPSK    | 23.50 | 22.40 | 22.59 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 53@26 | CP_QAM16   | 23.41 | 22.31 | 22.5  | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 1@1   | CP_QAM16   | 22.75 | 21.65 | 21.84 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 1@104 | CP_QAM16   | 23.23 | 22.13 | 22.32 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 53@26 | CP_QAM64   | 21.93 | 20.83 | 21.02 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 1@1   | CP_QAM64   | 21.46 | 20.36 | 20.55 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 1@104 | CP_QAM64   | 21.19 | 20.09 | 20.28 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 53@26 | CP_QAM256  | 18.98 | 17.88 | 18.07 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 1@1   | CP_QAM256  | 18.07 | 16.97 | 17.16 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 656000 | 1@104 | CP_QAM256  | 19.03 | 17.93 | 18.12 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 50@25 | DFT_BPSK   | 24.54 | 23.44 | 23.63 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 1@1   | DFT_BPSK   | 24.09 | 22.99 | 23.18 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 1@104 | DFT_BPSK   | 24.05 | 22.95 | 23.14 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 50@25 | DFT_QPSK   | 24.57 | 23.47 | 23.66 | 33.01 | PASS |

|                |    |    |        |       |            |       |       |       |       |      |
|----------------|----|----|--------|-------|------------|-------|-------|-------|-------|------|
| n77(3700-3980) | 30 | 40 | 664000 | 1@1   | DFT_QPSK   | 23.85 | 22.75 | 22.94 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 1@104 | DFT_QPSK   | 23.89 | 22.79 | 22.98 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 50@25 | DFT_QAM16  | 23.54 | 22.44 | 22.63 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 1@1   | DFT_QAM16  | 23.48 | 22.38 | 22.57 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 1@104 | DFT_QAM16  | 23.48 | 22.38 | 22.57 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 50@25 | DFT_QAM64  | 22.16 | 21.06 | 21.25 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 1@1   | DFT_QAM64  | 21.74 | 20.64 | 20.83 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 1@104 | DFT_QAM64  | 21.79 | 20.69 | 20.88 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 50@25 | DFT_QAM256 | 20.12 | 19.02 | 19.21 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 1@1   | DFT_QAM256 | 19.73 | 18.63 | 18.82 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 1@104 | DFT_QAM256 | 19.75 | 18.65 | 18.84 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 53@26 | CP_QPSK    | 22.98 | 21.88 | 22.07 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 1@1   | CP_QPSK    | 22.33 | 21.23 | 21.42 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 1@104 | CP_QPSK    | 22.27 | 21.17 | 21.36 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 53@26 | CP_QAM16   | 22.53 | 21.43 | 21.62 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 1@1   | CP_QAM16   | 22.27 | 21.17 | 21.36 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 1@104 | CP_QAM16   | 22.28 | 21.18 | 21.37 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 53@26 | CP_QAM64   | 21.05 | 19.95 | 20.14 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 1@1   | CP_QAM64   | 20.22 | 19.12 | 19.31 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 1@104 | CP_QAM64   | 20.35 | 19.25 | 19.44 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 53@26 | CP_QAM256  | 18.20 | 17.10 | 17.29 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 1@1   | CP_QAM256  | 17.38 | 16.28 | 16.47 | 33.01 | PASS |
| n77(3700-3980) | 30 | 40 | 664000 | 1@104 | CP_QAM256  | 18.16 | 17.06 | 17.25 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 64@32 | DFT_BPSK   | 25.51 | 24.41 | 24.6  | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 1@1   | DFT_BPSK   | 25.26 | 24.16 | 24.35 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 1@131 | DFT_BPSK   | 25.39 | 24.29 | 24.48 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 64@32 | DFT_QPSK   | 25.51 | 24.41 | 24.6  | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 1@1   | DFT_QPSK   | 25.27 | 24.17 | 24.36 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 1@131 | DFT_QPSK   | 25.19 | 24.09 | 24.28 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 64@32 | DFT_QAM16  | 24.59 | 23.49 | 23.68 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 1@1   | DFT_QAM16  | 24.69 | 23.59 | 23.78 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 1@131 | DFT_QAM16  | 24.74 | 23.64 | 23.83 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 64@32 | DFT_QAM64  | 23.03 | 21.93 | 22.12 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 1@1   | DFT_QAM64  | 22.89 | 21.79 | 21.98 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 1@131 | DFT_QAM64  | 22.84 | 21.74 | 21.93 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 64@32 | DFT_QAM256 | 21.04 | 19.94 | 20.13 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 1@1   | DFT_QAM256 | 21.01 | 19.91 | 20.1  | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 1@131 | DFT_QAM256 | 21.12 | 20.02 | 20.21 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 67@33 | CP_QPSK    | 23.99 | 22.89 | 23.08 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 1@1   | CP_QPSK    | 23.85 | 22.75 | 22.94 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 1@131 | CP_QPSK    | 23.79 | 22.69 | 22.88 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 67@33 | CP_QAM16   | 23.46 | 22.36 | 22.55 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 1@1   | CP_QAM16   | 23.55 | 22.45 | 22.64 | 33.01 | PASS |

|                |    |    |        |       |            |       |       |       |       |      |
|----------------|----|----|--------|-------|------------|-------|-------|-------|-------|------|
| n77(3700-3980) | 30 | 50 | 648334 | 1@131 | CP_QAM16   | 23.37 | 22.27 | 22.46 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 67@33 | CP_QAM64   | 21.99 | 20.89 | 21.08 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 1@1   | CP_QAM64   | 21.81 | 20.71 | 20.9  | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 1@131 | CP_QAM64   | 21.81 | 20.71 | 20.9  | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 67@33 | CP_QAM256  | 19.05 | 17.95 | 18.14 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 1@1   | CP_QAM256  | 18.56 | 17.46 | 17.65 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 648334 | 1@131 | CP_QAM256  | 19.21 | 18.11 | 18.3  | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 64@32 | DFT_BPSK   | 25.44 | 24.34 | 24.53 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 1@1   | DFT_BPSK   | 24.94 | 23.84 | 24.03 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 1@131 | DFT_BPSK   | 25.35 | 24.25 | 24.44 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 64@32 | DFT_QPSK   | 25.43 | 24.33 | 24.52 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 1@1   | DFT_QPSK   | 24.82 | 23.72 | 23.91 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 1@131 | DFT_QPSK   | 25.30 | 24.20 | 24.39 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 64@32 | DFT_QAM16  | 24.49 | 23.39 | 23.58 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 1@1   | DFT_QAM16  | 23.90 | 22.80 | 22.99 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 1@131 | DFT_QAM16  | 24.26 | 23.16 | 23.35 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 64@32 | DFT_QAM64  | 22.90 | 21.80 | 21.99 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 1@1   | DFT_QAM64  | 22.66 | 21.56 | 21.75 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 1@131 | DFT_QAM64  | 22.78 | 21.68 | 21.87 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 64@32 | DFT_QAM256 | 21.00 | 19.90 | 20.09 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 1@1   | DFT_QAM256 | 20.60 | 19.50 | 19.69 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 1@131 | DFT_QAM256 | 20.98 | 19.88 | 20.07 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 67@33 | CP_QPSK    | 23.90 | 22.80 | 22.99 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 1@1   | CP_QPSK    | 23.22 | 22.12 | 22.31 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 1@131 | CP_QPSK    | 23.60 | 22.50 | 22.69 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 67@33 | CP_QAM16   | 23.39 | 22.29 | 22.48 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 1@1   | CP_QAM16   | 23.15 | 22.05 | 22.24 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 1@131 | CP_QAM16   | 23.50 | 22.40 | 22.59 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 67@33 | CP_QAM64   | 21.99 | 20.89 | 21.08 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 1@1   | CP_QAM64   | 21.13 | 20.03 | 20.22 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 1@131 | CP_QAM64   | 21.55 | 20.45 | 20.64 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 67@33 | CP_QAM256  | 18.95 | 17.85 | 18.04 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 1@1   | CP_QAM256  | 18.32 | 17.22 | 17.41 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 656000 | 1@131 | CP_QAM256  | 18.67 | 17.57 | 17.76 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 64@32 | DFT_BPSK   | 24.61 | 23.51 | 23.7  | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 1@1   | DFT_BPSK   | 24.44 | 23.34 | 23.53 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 1@131 | DFT_BPSK   | 24.41 | 23.31 | 23.5  | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 64@32 | DFT_QPSK   | 24.52 | 23.42 | 23.61 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 1@1   | DFT_QPSK   | 24.34 | 23.24 | 23.43 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 1@131 | DFT_QPSK   | 24.22 | 23.12 | 23.31 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 64@32 | DFT_QAM16  | 23.58 | 22.48 | 22.67 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 1@1   | DFT_QAM16  | 23.51 | 22.41 | 22.6  | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 1@131 | DFT_QAM16  | 23.72 | 22.62 | 22.81 | 33.01 | PASS |

|                |    |    |        |       |            |       |       |       |       |      |
|----------------|----|----|--------|-------|------------|-------|-------|-------|-------|------|
| n77(3700-3980) | 30 | 50 | 663666 | 64@32 | DFT_QAM64  | 22.15 | 21.05 | 21.24 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 1@1   | DFT_QAM64  | 21.86 | 20.76 | 20.95 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 1@131 | DFT_QAM64  | 22.08 | 20.98 | 21.17 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 64@32 | DFT_QAM256 | 20.12 | 19.02 | 19.21 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 1@1   | DFT_QAM256 | 20.14 | 19.04 | 19.23 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 1@131 | DFT_QAM256 | 20.04 | 18.94 | 19.13 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 67@33 | CP_QPSK    | 23.02 | 21.92 | 22.11 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 1@1   | CP_QPSK    | 22.92 | 21.82 | 22.01 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 1@131 | CP_QPSK    | 22.68 | 21.58 | 21.77 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 67@33 | CP_QAM16   | 22.50 | 21.40 | 21.59 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 1@1   | CP_QAM16   | 22.40 | 21.30 | 21.49 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 1@131 | CP_QAM16   | 22.67 | 21.57 | 21.76 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 67@33 | CP_QAM64   | 21.12 | 20.02 | 20.21 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 1@1   | CP_QAM64   | 20.79 | 19.69 | 19.88 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 1@131 | CP_QAM64   | 20.63 | 19.53 | 19.72 | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 67@33 | CP_QAM256  | 18.21 | 17.11 | 17.3  | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 1@1   | CP_QAM256  | 17.81 | 16.71 | 16.9  | 33.01 | PASS |
| n77(3700-3980) | 30 | 50 | 663666 | 1@131 | CP_QAM256  | 17.82 | 16.72 | 16.91 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 81@40 | DFT_BPSK   | 25.49 | 24.39 | 24.58 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 1@1   | DFT_BPSK   | 25.18 | 24.08 | 24.27 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 1@160 | DFT_BPSK   | 25.00 | 23.90 | 24.09 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 81@40 | DFT_QPSK   | 25.56 | 24.46 | 24.65 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 1@1   | DFT_QPSK   | 24.96 | 23.86 | 24.05 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 1@160 | DFT_QPSK   | 24.96 | 23.86 | 24.05 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 81@40 | DFT_QAM16  | 24.52 | 23.42 | 23.61 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 1@1   | DFT_QAM16  | 24.17 | 23.07 | 23.26 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 1@160 | DFT_QAM16  | 24.12 | 23.02 | 23.21 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 81@40 | DFT_QAM64  | 22.99 | 21.89 | 22.08 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 1@1   | DFT_QAM64  | 22.52 | 21.42 | 21.61 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 1@160 | DFT_QAM64  | 22.67 | 21.57 | 21.76 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 81@40 | DFT_QAM256 | 21.08 | 19.98 | 20.17 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 1@1   | DFT_QAM256 | 20.80 | 19.70 | 19.89 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 1@160 | DFT_QAM256 | 20.65 | 19.55 | 19.74 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 81@40 | CP_QPSK    | 24.02 | 22.92 | 23.11 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 1@1   | CP_QPSK    | 23.68 | 22.58 | 22.77 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 1@160 | CP_QPSK    | 23.46 | 22.36 | 22.55 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 81@40 | CP_QAM16   | 23.53 | 22.43 | 22.62 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 1@1   | CP_QAM16   | 23.31 | 22.21 | 22.4  | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 1@160 | CP_QAM16   | 23.04 | 21.94 | 22.13 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 81@40 | CP_QAM64   | 22.01 | 20.91 | 21.1  | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 1@1   | CP_QAM64   | 21.78 | 20.68 | 20.87 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 1@160 | CP_QAM64   | 21.68 | 20.58 | 20.77 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 81@40 | CP_QAM256  | 19.09 | 17.99 | 18.18 | 33.01 | PASS |

|                |    |    |        |       |            |       |       |       |       |      |
|----------------|----|----|--------|-------|------------|-------|-------|-------|-------|------|
| n77(3700-3980) | 30 | 60 | 648668 | 1@1   | CP_QAM256  | 18.28 | 17.18 | 17.37 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 648668 | 1@160 | CP_QAM256  | 18.99 | 17.89 | 18.08 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 81@40 | DFT_BPSK   | 25.46 | 24.36 | 24.55 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 1@1   | DFT_BPSK   | 24.68 | 23.58 | 23.77 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 1@160 | DFT_BPSK   | 25.05 | 23.95 | 24.14 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 81@40 | DFT_QPSK   | 25.39 | 24.29 | 24.48 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 1@1   | DFT_QPSK   | 24.56 | 23.46 | 23.65 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 1@160 | DFT_QPSK   | 24.98 | 23.88 | 24.07 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 81@40 | DFT_QAM16  | 24.45 | 23.35 | 23.54 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 1@1   | DFT_QAM16  | 23.79 | 22.69 | 22.88 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 1@160 | DFT_QAM16  | 24.48 | 23.38 | 23.57 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 81@40 | DFT_QAM64  | 22.93 | 21.83 | 22.02 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 1@1   | DFT_QAM64  | 22.42 | 21.32 | 21.51 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 1@160 | DFT_QAM64  | 22.49 | 21.39 | 21.58 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 81@40 | DFT_QAM256 | 20.99 | 19.89 | 20.08 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 1@1   | DFT_QAM256 | 20.57 | 19.47 | 19.66 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 1@160 | DFT_QAM256 | 20.87 | 19.77 | 19.96 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 81@40 | CP_QPSK    | 23.88 | 22.78 | 22.97 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 1@1   | CP_QPSK    | 23.16 | 22.06 | 22.25 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 1@160 | CP_QPSK    | 23.68 | 22.58 | 22.77 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 81@40 | CP_QAM16   | 23.42 | 22.32 | 22.51 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 1@1   | CP_QAM16   | 22.77 | 21.67 | 21.86 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 1@160 | CP_QAM16   | 23.17 | 22.07 | 22.26 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 81@40 | CP_QAM64   | 21.88 | 20.78 | 20.97 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 1@1   | CP_QAM64   | 21.12 | 20.02 | 20.21 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 1@160 | CP_QAM64   | 21.77 | 20.67 | 20.86 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 81@40 | CP_QAM256  | 19.04 | 17.94 | 18.13 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 1@1   | CP_QAM256  | 18.62 | 17.52 | 17.71 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 656000 | 1@160 | CP_QAM256  | 18.46 | 17.36 | 17.55 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 81@40 | DFT_BPSK   | 24.51 | 23.41 | 23.6  | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 1@1   | DFT_BPSK   | 24.39 | 23.29 | 23.48 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 1@160 | DFT_BPSK   | 24.12 | 23.02 | 23.21 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 81@40 | DFT_QPSK   | 24.49 | 23.39 | 23.58 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 1@1   | DFT_QPSK   | 24.24 | 23.14 | 23.33 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 1@160 | DFT_QPSK   | 24.02 | 22.92 | 23.11 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 81@40 | DFT_QAM16  | 23.59 | 22.49 | 22.68 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 1@1   | DFT_QAM16  | 23.73 | 22.63 | 22.82 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 1@160 | DFT_QAM16  | 23.54 | 22.44 | 22.63 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 81@40 | DFT_QAM64  | 22.00 | 20.90 | 21.09 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 1@1   | DFT_QAM64  | 22.03 | 20.93 | 21.12 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 1@160 | DFT_QAM64  | 21.62 | 20.52 | 20.71 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 81@40 | DFT_QAM256 | 20.16 | 19.06 | 19.25 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 1@1   | DFT_QAM256 | 20.19 | 19.09 | 19.28 | 33.01 | PASS |

|                |    |    |        |        |            |       |       |       |       |      |
|----------------|----|----|--------|--------|------------|-------|-------|-------|-------|------|
| n77(3700-3980) | 30 | 60 | 663332 | 1@160  | DFT_QAM256 | 19.94 | 18.84 | 19.03 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 81@40  | CP_QPSK    | 23.00 | 21.90 | 22.09 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 1@1    | CP_QPSK    | 22.79 | 21.69 | 21.88 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 1@160  | CP_QPSK    | 22.72 | 21.62 | 21.81 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 81@40  | CP_QAM16   | 22.51 | 21.41 | 21.6  | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 1@1    | CP_QAM16   | 22.36 | 21.26 | 21.45 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 1@160  | CP_QAM16   | 22.31 | 21.21 | 21.4  | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 81@40  | CP_QAM64   | 21.01 | 19.91 | 20.1  | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 1@1    | CP_QAM64   | 20.99 | 19.89 | 20.08 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 1@160  | CP_QAM64   | 20.58 | 19.48 | 19.67 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 81@40  | CP_QAM256  | 18.20 | 17.10 | 17.29 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 1@1    | CP_QAM256  | 18.32 | 17.22 | 17.41 | 33.01 | PASS |
| n77(3700-3980) | 30 | 60 | 663332 | 1@160  | CP_QAM256  | 17.58 | 16.48 | 16.67 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 108@54 | DFT_BPSK   | 25.60 | 24.50 | 24.69 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 1@1    | DFT_BPSK   | 24.96 | 23.86 | 24.05 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 1@215  | DFT_BPSK   | 24.86 | 23.76 | 23.95 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 108@54 | DFT_QPSK   | 25.54 | 24.44 | 24.63 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 1@1    | DFT_QPSK   | 24.90 | 23.80 | 23.99 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 1@215  | DFT_QPSK   | 24.78 | 23.68 | 23.87 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 108@54 | DFT_QAM16  | 24.63 | 23.53 | 23.72 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 1@1    | DFT_QAM16  | 24.13 | 23.03 | 23.22 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 1@215  | DFT_QAM16  | 24.24 | 23.14 | 23.33 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 108@54 | DFT_QAM64  | 23.09 | 21.99 | 22.18 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 1@1    | DFT_QAM64  | 22.80 | 21.70 | 21.89 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 1@215  | DFT_QAM64  | 22.68 | 21.58 | 21.77 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 108@54 | DFT_QAM256 | 21.09 | 19.99 | 20.18 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 1@1    | DFT_QAM256 | 20.62 | 19.52 | 19.71 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 1@215  | DFT_QAM256 | 20.53 | 19.43 | 19.62 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 109@54 | CP_QPSK    | 23.99 | 22.89 | 23.08 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 1@1    | CP_QPSK    | 23.48 | 22.38 | 22.57 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 1@215  | CP_QPSK    | 23.30 | 22.20 | 22.39 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 109@54 | CP_QAM16   | 23.48 | 22.38 | 22.57 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 1@1    | CP_QAM16   | 23.25 | 22.15 | 22.34 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 1@215  | CP_QAM16   | 22.93 | 21.83 | 22.02 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 109@54 | CP_QAM64   | 22.02 | 20.92 | 21.11 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 1@1    | CP_QAM64   | 21.37 | 20.27 | 20.46 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 1@215  | CP_QAM64   | 21.54 | 20.44 | 20.63 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 109@54 | CP_QAM256  | 19.04 | 17.94 | 18.13 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 1@1    | CP_QAM256  | 18.72 | 17.62 | 17.81 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 649334 | 1@215  | CP_QAM256  | 18.33 | 17.23 | 17.42 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 108@54 | DFT_BPSK   | 25.49 | 24.39 | 24.58 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 1@1    | DFT_BPSK   | 24.53 | 23.43 | 23.62 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 1@215  | DFT_BPSK   | 24.97 | 23.87 | 24.06 | 33.01 | PASS |

|                |    |    |        |        |            |       |       |       |       |      |
|----------------|----|----|--------|--------|------------|-------|-------|-------|-------|------|
| n77(3700-3980) | 30 | 80 | 656000 | 108@54 | DFT_QPSK   | 25.48 | 24.38 | 24.57 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 1@1    | DFT_QPSK   | 24.50 | 23.40 | 23.59 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 1@215  | DFT_QPSK   | 24.83 | 23.73 | 23.92 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 108@54 | DFT_QAM16  | 24.44 | 23.34 | 23.53 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 1@1    | DFT_QAM16  | 23.70 | 22.60 | 22.79 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 1@215  | DFT_QAM16  | 23.99 | 22.89 | 23.08 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 108@54 | DFT_QAM64  | 23.06 | 21.96 | 22.15 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 1@1    | DFT_QAM64  | 22.29 | 21.19 | 21.38 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 1@215  | DFT_QAM64  | 22.36 | 21.26 | 21.45 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 108@54 | DFT_QAM256 | 20.96 | 19.86 | 20.05 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 1@1    | DFT_QAM256 | 20.40 | 19.30 | 19.49 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 1@215  | DFT_QAM256 | 20.75 | 19.65 | 19.84 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 109@54 | CP_QPSK    | 23.92 | 22.82 | 23.01 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 1@1    | CP_QPSK    | 23.25 | 22.15 | 22.34 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 1@215  | CP_QPSK    | 23.59 | 22.49 | 22.68 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 109@54 | CP_QAM16   | 23.39 | 22.29 | 22.48 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 1@1    | CP_QAM16   | 22.84 | 21.74 | 21.93 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 1@215  | CP_QAM16   | 23.15 | 22.05 | 22.24 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 109@54 | CP_QAM64   | 21.98 | 20.88 | 21.07 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 1@1    | CP_QAM64   | 21.27 | 20.17 | 20.36 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 1@215  | CP_QAM64   | 21.61 | 20.51 | 20.7  | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 109@54 | CP_QAM256  | 19.08 | 17.98 | 18.17 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 1@1    | CP_QAM256  | 18.70 | 17.60 | 17.79 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 656000 | 1@215  | CP_QAM256  | 18.75 | 17.65 | 17.84 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 108@54 | DFT_BPSK   | 24.72 | 23.62 | 23.81 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 1@1    | DFT_BPSK   | 24.36 | 23.26 | 23.45 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 1@215  | DFT_BPSK   | 23.98 | 22.88 | 23.07 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 108@54 | DFT_QPSK   | 24.71 | 23.61 | 23.8  | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 1@1    | DFT_QPSK   | 24.21 | 23.11 | 23.3  | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 1@215  | DFT_QPSK   | 23.84 | 22.74 | 22.93 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 108@54 | DFT_QAM16  | 23.71 | 22.61 | 22.8  | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 1@1    | DFT_QAM16  | 23.32 | 22.22 | 22.41 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 1@215  | DFT_QAM16  | 23.24 | 22.14 | 22.33 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 108@54 | DFT_QAM64  | 22.25 | 21.15 | 21.34 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 1@1    | DFT_QAM64  | 22.03 | 20.93 | 21.12 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 1@215  | DFT_QAM64  | 21.71 | 20.61 | 20.8  | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 108@54 | DFT_QAM256 | 20.15 | 19.05 | 19.24 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 1@1    | DFT_QAM256 | 19.97 | 18.87 | 19.06 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 1@215  | DFT_QAM256 | 19.71 | 18.61 | 18.8  | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 109@54 | CP_QPSK    | 23.12 | 22.02 | 22.21 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 1@1    | CP_QPSK    | 22.81 | 21.71 | 21.9  | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 1@215  | CP_QPSK    | 22.59 | 21.49 | 21.68 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 109@54 | CP_QAM16   | 22.67 | 21.57 | 21.76 | 33.01 | PASS |

|                |    |    |        |        |            |       |       |       |       |      |
|----------------|----|----|--------|--------|------------|-------|-------|-------|-------|------|
| n77(3700-3980) | 30 | 80 | 662666 | 1@1    | CP_QAM16   | 22.37 | 21.27 | 21.46 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 1@215  | CP_QAM16   | 21.95 | 20.85 | 21.04 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 109@54 | CP_QAM64   | 21.15 | 20.05 | 20.24 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 1@1    | CP_QAM64   | 21.11 | 20.01 | 20.2  | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 1@215  | CP_QAM64   | 20.73 | 19.63 | 19.82 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 109@54 | CP_QAM256  | 18.29 | 17.19 | 17.38 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 1@1    | CP_QAM256  | 17.75 | 16.65 | 16.84 | 33.01 | PASS |
| n77(3700-3980) | 30 | 80 | 662666 | 1@215  | CP_QAM256  | 17.51 | 16.41 | 16.6  | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 120@60 | DFT_BPSK   | 25.53 | 24.43 | 24.62 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 1@1    | DFT_BPSK   | 24.90 | 23.80 | 23.99 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 1@243  | DFT_BPSK   | 24.69 | 23.59 | 23.78 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 120@60 | DFT_QPSK   | 25.45 | 24.35 | 24.54 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 1@1    | DFT_QPSK   | 24.80 | 23.70 | 23.89 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 1@243  | DFT_QPSK   | 24.57 | 23.47 | 23.66 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 120@60 | DFT_QAM16  | 24.50 | 23.40 | 23.59 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 1@1    | DFT_QAM16  | 24.06 | 22.96 | 23.15 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 1@243  | DFT_QAM16  | 23.81 | 22.71 | 22.9  | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 120@60 | DFT_QAM64  | 23.03 | 21.93 | 22.12 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 1@1    | DFT_QAM64  | 22.23 | 21.13 | 21.32 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 1@243  | DFT_QAM64  | 22.09 | 20.99 | 21.18 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 120@60 | DFT_QAM256 | 21.00 | 19.90 | 20.09 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 1@1    | DFT_QAM256 | 20.70 | 19.60 | 19.79 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 1@243  | DFT_QAM256 | 20.48 | 19.38 | 19.57 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 123@61 | CP_QPSK    | 23.90 | 22.80 | 22.99 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 1@1    | CP_QPSK    | 23.37 | 22.27 | 22.46 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 1@243  | CP_QPSK    | 23.22 | 22.12 | 22.31 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 123@61 | CP_QAM16   | 23.49 | 22.39 | 22.58 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 1@1    | CP_QAM16   | 23.10 | 22.00 | 22.19 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 1@243  | CP_QAM16   | 23.00 | 21.90 | 22.09 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 123@61 | CP_QAM64   | 22.01 | 20.91 | 21.1  | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 1@1    | CP_QAM64   | 21.38 | 20.28 | 20.47 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 1@243  | CP_QAM64   | 21.17 | 20.07 | 20.26 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 123@61 | CP_QAM256  | 18.96 | 17.86 | 18.05 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 1@1    | CP_QAM256  | 18.60 | 17.50 | 17.69 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 649668 | 1@243  | CP_QAM256  | 18.82 | 17.72 | 17.91 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 120@60 | DFT_BPSK   | 25.43 | 24.33 | 24.52 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 1@1    | DFT_BPSK   | 24.42 | 23.32 | 23.51 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 1@243  | DFT_BPSK   | 24.70 | 23.60 | 23.79 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 120@60 | DFT_QPSK   | 25.43 | 24.33 | 24.52 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 1@1    | DFT_QPSK   | 24.35 | 23.25 | 23.44 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 1@243  | DFT_QPSK   | 24.58 | 23.48 | 23.67 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 120@60 | DFT_QAM16  | 24.35 | 23.25 | 23.44 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 1@1    | DFT_QAM16  | 23.53 | 22.43 | 22.62 | 33.01 | PASS |

|                |    |    |        |        |            |       |       |       |       |      |
|----------------|----|----|--------|--------|------------|-------|-------|-------|-------|------|
| n77(3700-3980) | 30 | 90 | 656000 | 1@243  | DFT_QAM16  | 23.75 | 22.65 | 22.84 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 120@60 | DFT_QAM64  | 22.94 | 21.84 | 22.03 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 1@1    | DFT_QAM64  | 21.94 | 20.84 | 21.03 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 1@243  | DFT_QAM64  | 22.26 | 21.16 | 21.35 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 120@60 | DFT_QAM256 | 20.95 | 19.85 | 20.04 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 1@1    | DFT_QAM256 | 20.10 | 19.00 | 19.19 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 1@243  | DFT_QAM256 | 20.41 | 19.31 | 19.5  | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 123@61 | CP_QPSK    | 23.89 | 22.79 | 22.98 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 1@1    | CP_QPSK    | 22.78 | 21.68 | 21.87 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 1@243  | CP_QPSK    | 23.09 | 21.99 | 22.18 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 123@61 | CP_QAM16   | 23.42 | 22.32 | 22.51 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 1@1    | CP_QAM16   | 22.52 | 21.42 | 21.61 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 1@243  | CP_QAM16   | 22.84 | 21.74 | 21.93 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 123@61 | CP_QAM64   | 21.91 | 20.81 | 21    | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 1@1    | CP_QAM64   | 20.70 | 19.60 | 19.79 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 1@243  | CP_QAM64   | 21.05 | 19.95 | 20.14 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 123@61 | CP_QAM256  | 19.05 | 17.95 | 18.14 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 1@1    | CP_QAM256  | 18.56 | 17.46 | 17.65 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 656000 | 1@243  | CP_QAM256  | 18.69 | 17.59 | 17.78 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 662332 | 120@60 | DFT_BPSK   | 24.68 | 23.58 | 23.77 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 662332 | 1@1    | DFT_BPSK   | 24.32 | 23.22 | 23.41 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 662332 | 1@243  | DFT_BPSK   | 23.80 | 22.70 | 22.89 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 662332 | 120@60 | DFT_QPSK   | 24.63 | 23.53 | 23.72 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 662332 | 1@1    | DFT_QPSK   | 24.26 | 23.16 | 23.35 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 662332 | 1@243  | DFT_QPSK   | 23.67 | 22.57 | 22.76 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 662332 | 120@60 | DFT_QAM16  | 23.57 | 22.47 | 22.66 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 662332 | 1@1    | DFT_QAM16  | 23.40 | 22.30 | 22.49 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 662332 | 1@243  | DFT_QAM16  | 22.87 | 21.77 | 21.96 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 662332 | 120@60 | DFT_QAM64  | 22.16 | 21.06 | 21.25 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 662332 | 1@1    | DFT_QAM64  | 21.81 | 20.71 | 20.9  | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 662332 | 1@243  | DFT_QAM64  | 21.36 | 20.26 | 20.45 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 662332 | 120@60 | DFT_QAM256 | 20.22 | 19.12 | 19.31 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 662332 | 1@1    | DFT_QAM256 | 20.05 | 18.95 | 19.14 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 662332 | 1@243  | DFT_QAM256 | 19.57 | 18.47 | 18.66 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 662332 | 123@61 | CP_QPSK    | 23.06 | 21.96 | 22.15 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 662332 | 1@1    | CP_QPSK    | 22.76 | 21.66 | 21.85 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 662332 | 1@243  | CP_QPSK    | 22.15 | 21.05 | 21.24 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 662332 | 123@61 | CP_QAM16   | 22.62 | 21.52 | 21.71 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 662332 | 1@1    | CP_QAM16   | 22.66 | 21.56 | 21.75 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 662332 | 1@243  | CP_QAM16   | 22.16 | 21.06 | 21.25 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 662332 | 123@61 | CP_QAM64   | 21.15 | 20.05 | 20.24 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 662332 | 1@1    | CP_QAM64   | 20.61 | 19.51 | 19.7  | 33.01 | PASS |
| n77(3700-3980) | 30 | 90 | 662332 | 1@243  | CP_QAM64   | 20.12 | 19.02 | 19.21 | 33.01 | PASS |

|                |    |     |        |        |            |       |       |       |       |      |
|----------------|----|-----|--------|--------|------------|-------|-------|-------|-------|------|
| n77(3700-3980) | 30 | 90  | 662332 | 123@61 | CP_QAM256  | 18.35 | 17.25 | 17.44 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90  | 662332 | 1@1    | CP_QAM256  | 18.14 | 17.04 | 17.23 | 33.01 | PASS |
| n77(3700-3980) | 30 | 90  | 662332 | 1@243  | CP_QAM256  | 18.09 | 16.99 | 17.18 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 135@67 | DFT_BPSK   | 25.44 | 24.34 | 24.53 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 1@1    | DFT_BPSK   | 24.63 | 23.53 | 23.72 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 1@271  | DFT_BPSK   | 24.44 | 23.34 | 23.53 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 135@67 | DFT_QPSK   | 25.46 | 24.36 | 24.55 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 1@1    | DFT_QPSK   | 24.63 | 23.53 | 23.72 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 1@271  | DFT_QPSK   | 24.45 | 23.35 | 23.54 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 135@67 | DFT_QAM16  | 24.45 | 23.35 | 23.54 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 1@1    | DFT_QAM16  | 23.66 | 22.56 | 22.75 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 1@271  | DFT_QAM16  | 23.45 | 22.35 | 22.54 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 135@67 | DFT_QAM64  | 22.99 | 21.89 | 22.08 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 1@1    | DFT_QAM64  | 22.19 | 21.09 | 21.28 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 1@271  | DFT_QAM64  | 22.03 | 20.93 | 21.12 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 135@67 | DFT_QAM256 | 20.92 | 19.82 | 20.01 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 1@1    | DFT_QAM256 | 20.50 | 19.40 | 19.59 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 1@271  | DFT_QAM256 | 20.37 | 19.27 | 19.46 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 137@68 | CP_QPSK    | 23.95 | 22.85 | 23.04 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 1@1    | CP_QPSK    | 23.25 | 22.15 | 22.34 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 1@271  | CP_QPSK    | 23.16 | 22.06 | 22.25 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 137@68 | CP_QAM16   | 23.42 | 22.32 | 22.51 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 1@1    | CP_QAM16   | 22.94 | 21.84 | 22.03 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 1@271  | CP_QAM16   | 22.63 | 21.53 | 21.72 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 137@68 | CP_QAM64   | 22.01 | 20.91 | 21.1  | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 1@1    | CP_QAM64   | 21.36 | 20.26 | 20.45 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 1@271  | CP_QAM64   | 21.24 | 20.14 | 20.33 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 137@68 | CP_QAM256  | 18.83 | 17.73 | 17.92 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 1@1    | CP_QAM256  | 18.52 | 17.42 | 17.61 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 650000 | 1@271  | CP_QAM256  | 18.69 | 17.59 | 17.78 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 135@67 | DFT_BPSK   | 25.37 | 24.27 | 24.46 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@1    | DFT_BPSK   | 24.13 | 23.03 | 23.22 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@271  | DFT_BPSK   | 24.36 | 23.26 | 23.45 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 135@67 | DFT_QPSK   | 25.40 | 24.30 | 24.49 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@1    | DFT_QPSK   | 24.22 | 23.12 | 23.31 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@271  | DFT_QPSK   | 24.33 | 23.23 | 23.42 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 135@67 | DFT_QAM16  | 24.37 | 23.27 | 23.46 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@1    | DFT_QAM16  | 23.22 | 22.12 | 22.31 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@271  | DFT_QAM16  | 23.37 | 22.27 | 22.46 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 135@67 | DFT_QAM64  | 22.88 | 21.78 | 21.97 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@1    | DFT_QAM64  | 21.67 | 20.57 | 20.76 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@271  | DFT_QAM64  | 21.92 | 20.82 | 21.01 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 135@67 | DFT_QAM256 | 20.86 | 19.76 | 19.95 | 33.01 | PASS |

|                |    |     |        |        |            |       |       |       |       |      |
|----------------|----|-----|--------|--------|------------|-------|-------|-------|-------|------|
| n77(3700-3980) | 30 | 100 | 656000 | 1@1    | DFT_QAM256 | 19.88 | 18.78 | 18.97 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@271  | DFT_QAM256 | 20.11 | 19.01 | 19.2  | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 137@68 | CP_QPSK    | 23.87 | 22.77 | 22.96 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@1    | CP_QPSK    | 22.56 | 21.46 | 21.65 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@271  | CP_QPSK    | 22.71 | 21.61 | 21.8  | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 137@68 | CP_QAM16   | 23.32 | 22.22 | 22.41 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@1    | CP_QAM16   | 22.47 | 21.37 | 21.56 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@271  | CP_QAM16   | 22.62 | 21.52 | 21.71 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 137@68 | CP_QAM64   | 21.94 | 20.84 | 21.03 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@1    | CP_QAM64   | 20.43 | 19.33 | 19.52 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@271  | CP_QAM64   | 20.69 | 19.59 | 19.78 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 137@68 | CP_QAM256  | 19.01 | 17.91 | 18.1  | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@1    | CP_QAM256  | 18.37 | 17.27 | 17.46 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 656000 | 1@271  | CP_QAM256  | 18.26 | 17.16 | 17.35 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 135@67 | DFT_BPSK   | 24.66 | 23.56 | 23.75 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@1    | DFT_BPSK   | 24.37 | 23.27 | 23.46 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@271  | DFT_BPSK   | 23.70 | 22.60 | 22.79 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 135@67 | DFT_QPSK   | 24.63 | 23.53 | 23.72 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@1    | DFT_QPSK   | 24.26 | 23.16 | 23.35 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@271  | DFT_QPSK   | 23.53 | 22.43 | 22.62 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 135@67 | DFT_QAM16  | 23.68 | 22.58 | 22.77 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@1    | DFT_QAM16  | 23.39 | 22.29 | 22.48 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@271  | DFT_QAM16  | 22.63 | 21.53 | 21.72 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 135@67 | DFT_QAM64  | 22.21 | 21.11 | 21.3  | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@1    | DFT_QAM64  | 21.87 | 20.77 | 20.96 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@271  | DFT_QAM64  | 21.22 | 20.12 | 20.31 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 135@67 | DFT_QAM256 | 20.13 | 19.03 | 19.22 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@1    | DFT_QAM256 | 20.15 | 19.05 | 19.24 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@271  | DFT_QAM256 | 19.34 | 18.24 | 18.43 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 137@68 | CP_QPSK    | 23.08 | 21.98 | 22.17 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@1    | CP_QPSK    | 22.73 | 21.63 | 21.82 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@271  | CP_QPSK    | 21.92 | 20.82 | 21.01 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 137@68 | CP_QAM16   | 22.60 | 21.50 | 21.69 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@1    | CP_QAM16   | 22.64 | 21.54 | 21.73 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@271  | CP_QAM16   | 21.97 | 20.87 | 21.06 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 137@68 | CP_QAM64   | 21.13 | 20.03 | 20.22 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@1    | CP_QAM64   | 20.61 | 19.51 | 19.7  | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@271  | CP_QAM64   | 19.94 | 18.84 | 19.03 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 137@68 | CP_QAM256  | 18.31 | 17.21 | 17.4  | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@1    | CP_QAM256  | 18.18 | 17.08 | 17.27 | 33.01 | PASS |
| n77(3700-3980) | 30 | 100 | 662000 | 1@271  | CP_QAM256  | 17.89 | 16.79 | 16.98 | 33.01 | PASS |