

## 1 Conducted output power for NR FR1

| Band           | SCS<br>(kHz) | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Allocation | Modulation | Conducted<br>Power<br>(dBm) | Gain<br>(dBm) | EIRP<br>(dBm) | EIRP<br>Limit<br>(dBm) | Verdict |
|----------------|--------------|--------------------|---------------|------------------|------------|-----------------------------|---------------|---------------|------------------------|---------|
| n78(3700-3800) | 30           | 10                 | 647000        | 12@6             | DFT_BPSK   | 27.57                       | -3.56         | 24.01         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 1@1              | DFT_BPSK   | 27.5                        | -3.56         | 23.94         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 1@22             | DFT_BPSK   | 27.54                       | -3.56         | 23.98         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 24@0             | DFT_BPSK   | 27.14                       | -3.56         | 23.58         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 12@6             | DFT_QPSK   | 27.57                       | -3.56         | 24.01         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 1@1              | DFT_QPSK   | 27.49                       | -3.56         | 23.93         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 1@22             | DFT_QPSK   | 27.54                       | -3.56         | 23.98         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 24@0             | DFT_QPSK   | 26.57                       | -3.56         | 23.01         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 12@6             | DFT_QAM16  | 26.63                       | -3.56         | 23.07         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 1@1              | DFT_QAM16  | 26.59                       | -3.56         | 23.03         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 1@22             | DFT_QAM16  | 26.73                       | -3.56         | 23.17         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 24@0             | DFT_QAM16  | 25.63                       | -3.56         | 22.07         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 12@6             | DFT_QAM64  | 25.29                       | -3.56         | 21.73         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 1@1              | DFT_QAM64  | 25.31                       | -3.56         | 21.75         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 1@22             | DFT_QAM64  | 25                          | -3.56         | 21.44         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 24@0             | DFT_QAM64  | 25.26                       | -3.56         | 21.7          | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 12@6             | DFT_QAM256 | 23.02                       | -3.56         | 19.46         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 1@1              | DFT_QAM256 | 23.06                       | -3.56         | 19.5          | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 1@22             | DFT_QAM256 | 23.28                       | -3.56         | 19.72         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 24@0             | DFT_QAM256 | 23.23                       | -3.56         | 19.67         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 12@6             | CP_QPSK    | 25.96                       | -3.56         | 22.4          | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 1@1              | CP_QPSK    | 26.13                       | -3.56         | 22.57         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 1@22             | CP_QPSK    | 26.05                       | -3.56         | 22.49         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 24@0             | CP_QPSK    | 24.54                       | -3.56         | 20.98         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 12@6             | CP_QAM16   | 25.55                       | -3.56         | 21.99         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 1@1              | CP_QAM16   | 25.44                       | -3.56         | 21.88         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 1@22             | CP_QAM16   | 26                          | -3.56         | 22.44         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 24@0             | CP_QAM16   | 24.66                       | -3.56         | 21.1          | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 12@6             | CP_QAM64   | 24.03                       | -3.56         | 20.47         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 1@1              | CP_QAM64   | 24.21                       | -3.56         | 20.65         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 1@22             | CP_QAM64   | 24.8                        | -3.56         | 21.24         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 24@0             | CP_QAM64   | 24.18                       | -3.56         | 20.62         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 12@6             | CP_QAM256  | 21.18                       | -3.56         | 17.62         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 1@1              | CP_QAM256  | 20.89                       | -3.56         | 17.33         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 1@22             | CP_QAM256  | 21.17                       | -3.56         | 17.61         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 24@0             | CP_QAM256  | 21.14                       | -3.56         | 17.58         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 650000        | 12@6             | DFT_BPSK   | 27.57                       | -3.56         | 24.01         | 33.01                  | PASS    |
| n78(3700-3800) | 30           | 10                 | 650000        | 1@1              | DFT_BPSK   | 27.63                       | -3.56         | 24.07         | 33.01                  | PASS    |

|                |    |    |        |      |            |       |       |       |       |      |
|----------------|----|----|--------|------|------------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 10 | 650000 | 1@22 | DFT_BPSK   | 27.58 | -3.56 | 24.02 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 24@0 | DFT_BPSK   | 27.09 | -3.56 | 23.53 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 12@6 | DFT_QPSK   | 27.75 | -3.56 | 24.19 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 1@1  | DFT_QPSK   | 27.56 | -3.56 | 24    | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 1@22 | DFT_QPSK   | 27.5  | -3.56 | 23.94 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 24@0 | DFT_QPSK   | 26.65 | -3.56 | 23.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 12@6 | DFT_QAM16  | 26.6  | -3.56 | 23.04 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 1@1  | DFT_QAM16  | 26.92 | -3.56 | 23.36 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 1@22 | DFT_QAM16  | 26.52 | -3.56 | 22.96 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 24@0 | DFT_QAM16  | 25.64 | -3.56 | 22.08 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 12@6 | DFT_QAM64  | 25.4  | -3.56 | 21.84 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 1@1  | DFT_QAM64  | 24.99 | -3.56 | 21.43 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 1@22 | DFT_QAM64  | 24.94 | -3.56 | 21.38 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 24@0 | DFT_QAM64  | 25.29 | -3.56 | 21.73 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 12@6 | DFT_QAM256 | 23.02 | -3.56 | 19.46 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 1@1  | DFT_QAM256 | 23.08 | -3.56 | 19.52 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 1@22 | DFT_QAM256 | 23.27 | -3.56 | 19.71 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 24@0 | DFT_QAM256 | 23.25 | -3.56 | 19.69 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 12@6 | CP_QPSK    | 26.07 | -3.56 | 22.51 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 1@1  | CP_QPSK    | 26.14 | -3.56 | 22.58 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 1@22 | CP_QPSK    | 25.98 | -3.56 | 22.42 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 24@0 | CP_QPSK    | 24.62 | -3.56 | 21.06 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 12@6 | CP_QAM16   | 25.6  | -3.56 | 22.04 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 1@1  | CP_QAM16   | 25.75 | -3.56 | 22.19 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 1@22 | CP_QAM16   | 25.95 | -3.56 | 22.39 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 24@0 | CP_QAM16   | 24.57 | -3.56 | 21.01 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 12@6 | CP_QAM64   | 24.14 | -3.56 | 20.58 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 1@1  | CP_QAM64   | 24.59 | -3.56 | 21.03 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 1@22 | CP_QAM64   | 24.84 | -3.56 | 21.28 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 24@0 | CP_QAM64   | 24.42 | -3.56 | 20.86 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 12@6 | CP_QAM256  | 21.14 | -3.56 | 17.58 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 1@1  | CP_QAM256  | 21.26 | -3.56 | 17.7  | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 1@22 | CP_QAM256  | 21.12 | -3.56 | 17.56 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 650000 | 24@0 | CP_QAM256  | 21.13 | -3.56 | 17.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 12@6 | DFT_BPSK   | 27.68 | -3.56 | 24.12 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 1@1  | DFT_BPSK   | 27.51 | -3.56 | 23.95 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 1@22 | DFT_BPSK   | 27.66 | -3.56 | 24.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 24@0 | DFT_BPSK   | 27.15 | -3.56 | 23.59 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 12@6 | DFT_QPSK   | 27.66 | -3.56 | 24.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 1@1  | DFT_QPSK   | 27.49 | -3.56 | 23.93 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 1@22 | DFT_QPSK   | 27.55 | -3.56 | 23.99 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 24@0 | DFT_QPSK   | 26.65 | -3.56 | 23.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 12@6 | DFT_QAM16  | 26.68 | -3.56 | 23.12 | 33.01 | PASS |

|                |    |    |        |      |            |       |       |       |       |      |
|----------------|----|----|--------|------|------------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 10 | 653000 | 1@1  | DFT_QAM16  | 26.54 | -3.56 | 22.98 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 1@22 | DFT_QAM16  | 26.9  | -3.56 | 23.34 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 24@0 | DFT_QAM16  | 25.69 | -3.56 | 22.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 12@6 | DFT_QAM64  | 25.23 | -3.56 | 21.67 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 1@1  | DFT_QAM64  | 24.98 | -3.56 | 21.42 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 1@22 | DFT_QAM64  | 24.97 | -3.56 | 21.41 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 24@0 | DFT_QAM64  | 25.38 | -3.56 | 21.82 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 12@6 | DFT_QAM256 | 23.21 | -3.56 | 19.65 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 1@1  | DFT_QAM256 | 23.01 | -3.56 | 19.45 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 1@22 | DFT_QAM256 | 23.3  | -3.56 | 19.74 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 24@0 | DFT_QAM256 | 23.2  | -3.56 | 19.64 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 12@6 | CP_QPSK    | 26    | -3.56 | 22.44 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 1@1  | CP_QPSK    | 26.1  | -3.56 | 22.54 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 1@22 | CP_QPSK    | 26.06 | -3.56 | 22.5  | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 24@0 | CP_QPSK    | 24.69 | -3.56 | 21.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 12@6 | CP_QAM16   | 25.5  | -3.56 | 21.94 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 1@1  | CP_QAM16   | 25.66 | -3.56 | 22.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 1@22 | CP_QAM16   | 26.01 | -3.56 | 22.45 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 24@0 | CP_QAM16   | 24.56 | -3.56 | 21    | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 12@6 | CP_QAM64   | 24.13 | -3.56 | 20.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 1@1  | CP_QAM64   | 24.72 | -3.56 | 21.16 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 1@22 | CP_QAM64   | 24.85 | -3.56 | 21.29 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 24@0 | CP_QAM64   | 24.16 | -3.56 | 20.6  | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 12@6 | CP_QAM256  | 21.15 | -3.56 | 17.59 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 1@1  | CP_QAM256  | 21.09 | -3.56 | 17.53 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 1@22 | CP_QAM256  | 21.14 | -3.56 | 17.58 | 33.01 | PASS |
| n78(3700-3800) | 30 | 10 | 653000 | 24@0 | CP_QAM256  | 21.03 | -3.56 | 17.47 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 18@9 | DFT_BPSK   | 27.58 | -3.56 | 24.02 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 1@1  | DFT_BPSK   | 27.47 | -3.56 | 23.91 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 1@36 | DFT_BPSK   | 27.53 | -3.56 | 23.97 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 36@0 | DFT_BPSK   | 27.1  | -3.56 | 23.54 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 18@9 | DFT_QPSK   | 27.54 | -3.56 | 23.98 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 1@1  | DFT_QPSK   | 27.45 | -3.56 | 23.89 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 1@36 | DFT_QPSK   | 27.44 | -3.56 | 23.88 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 36@0 | DFT_QPSK   | 26.62 | -3.56 | 23.06 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 18@9 | DFT_QAM16  | 26.63 | -3.56 | 23.07 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 1@1  | DFT_QAM16  | 26.72 | -3.56 | 23.16 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 1@36 | DFT_QAM16  | 26.56 | -3.56 | 23    | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 36@0 | DFT_QAM16  | 25.78 | -3.56 | 22.22 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 18@9 | DFT_QAM64  | 25.27 | -3.56 | 21.71 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 1@1  | DFT_QAM64  | 24.88 | -3.56 | 21.32 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 1@36 | DFT_QAM64  | 24.84 | -3.56 | 21.28 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 36@0 | DFT_QAM64  | 25.18 | -3.56 | 21.62 | 33.01 | PASS |

|                |    |    |        |      |            |       |       |       |       |      |
|----------------|----|----|--------|------|------------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 15 | 647168 | 18@9 | DFT_QAM256 | 23.13 | -3.56 | 19.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 1@1  | DFT_QAM256 | 23.07 | -3.56 | 19.51 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 1@36 | DFT_QAM256 | 23.05 | -3.56 | 19.49 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 36@0 | DFT_QAM256 | 23.06 | -3.56 | 19.5  | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 19@9 | CP_QPSK    | 26.1  | -3.56 | 22.54 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 1@1  | CP_QPSK    | 26.02 | -3.56 | 22.46 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 1@36 | CP_QPSK    | 26.02 | -3.56 | 22.46 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 38@0 | CP_QPSK    | 24.66 | -3.56 | 21.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 19@9 | CP_QAM16   | 25.55 | -3.56 | 21.99 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 1@1  | CP_QAM16   | 25.93 | -3.56 | 22.37 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 1@36 | CP_QAM16   | 25.58 | -3.56 | 22.02 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 38@0 | CP_QAM16   | 24.69 | -3.56 | 21.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 19@9 | CP_QAM64   | 24.27 | -3.56 | 20.71 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 1@1  | CP_QAM64   | 24.41 | -3.56 | 20.85 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 1@36 | CP_QAM64   | 24.45 | -3.56 | 20.89 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 38@0 | CP_QAM64   | 24.32 | -3.56 | 20.76 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 19@9 | CP_QAM256  | 21.18 | -3.56 | 17.62 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 1@1  | CP_QAM256  | 21.11 | -3.56 | 17.55 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 1@36 | CP_QAM256  | 21.13 | -3.56 | 17.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 647168 | 38@0 | CP_QAM256  | 21.13 | -3.56 | 17.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 18@9 | DFT_BPSK   | 27.58 | -3.56 | 24.02 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 1@1  | DFT_BPSK   | 27.61 | -3.56 | 24.05 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 1@36 | DFT_BPSK   | 27.52 | -3.56 | 23.96 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 36@0 | DFT_BPSK   | 27.14 | -3.56 | 23.58 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 18@9 | DFT_QPSK   | 27.59 | -3.56 | 24.03 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 1@1  | DFT_QPSK   | 27.5  | -3.56 | 23.94 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 1@36 | DFT_QPSK   | 27.47 | -3.56 | 23.91 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 36@0 | DFT_QPSK   | 26.7  | -3.56 | 23.14 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 18@9 | DFT_QAM16  | 26.82 | -3.56 | 23.26 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 1@1  | DFT_QAM16  | 26.84 | -3.56 | 23.28 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 1@36 | DFT_QAM16  | 26.64 | -3.56 | 23.08 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 36@0 | DFT_QAM16  | 25.73 | -3.56 | 22.17 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 18@9 | DFT_QAM64  | 25.42 | -3.56 | 21.86 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 1@1  | DFT_QAM64  | 25    | -3.56 | 21.44 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 1@36 | DFT_QAM64  | 25.03 | -3.56 | 21.47 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 36@0 | DFT_QAM64  | 25.24 | -3.56 | 21.68 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 18@9 | DFT_QAM256 | 23.15 | -3.56 | 19.59 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 1@1  | DFT_QAM256 | 23.13 | -3.56 | 19.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 1@36 | DFT_QAM256 | 23.29 | -3.56 | 19.73 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 36@0 | DFT_QAM256 | 23.14 | -3.56 | 19.58 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 19@9 | CP_QPSK    | 26.24 | -3.56 | 22.68 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 1@1  | CP_QPSK    | 26.11 | -3.56 | 22.55 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 1@36 | CP_QPSK    | 26.07 | -3.56 | 22.51 | 33.01 | PASS |

|                |    |    |        |      |            |       |       |       |       |      |
|----------------|----|----|--------|------|------------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 15 | 650000 | 38@0 | CP_QPSK    | 24.68 | -3.56 | 21.12 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 19@9 | CP_QAM16   | 25.68 | -3.56 | 22.12 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 1@1  | CP_QAM16   | 26.05 | -3.56 | 22.49 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 1@36 | CP_QAM16   | 25.6  | -3.56 | 22.04 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 38@0 | CP_QAM16   | 24.72 | -3.56 | 21.16 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 19@9 | CP_QAM64   | 24.38 | -3.56 | 20.82 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 1@1  | CP_QAM64   | 24.59 | -3.56 | 21.03 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 1@36 | CP_QAM64   | 24.36 | -3.56 | 20.8  | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 38@0 | CP_QAM64   | 24.22 | -3.56 | 20.66 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 19@9 | CP_QAM256  | 21.15 | -3.56 | 17.59 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 1@1  | CP_QAM256  | 21.19 | -3.56 | 17.63 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 1@36 | CP_QAM256  | 21.13 | -3.56 | 17.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 650000 | 38@0 | CP_QAM256  | 21.15 | -3.56 | 17.59 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 18@9 | DFT_BPSK   | 27.56 | -3.56 | 24    | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 1@1  | DFT_BPSK   | 27.55 | -3.56 | 23.99 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 1@36 | DFT_BPSK   | 27.65 | -3.56 | 24.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 36@0 | DFT_BPSK   | 27.1  | -3.56 | 23.54 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 18@9 | DFT_QPSK   | 27.56 | -3.56 | 24    | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 1@1  | DFT_QPSK   | 27.52 | -3.56 | 23.96 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 1@36 | DFT_QPSK   | 27.61 | -3.56 | 24.05 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 36@0 | DFT_QPSK   | 26.63 | -3.56 | 23.07 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 18@9 | DFT_QAM16  | 26.76 | -3.56 | 23.2  | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 1@1  | DFT_QAM16  | 26.49 | -3.56 | 22.93 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 1@36 | DFT_QAM16  | 26.58 | -3.56 | 23.02 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 36@0 | DFT_QAM16  | 25.66 | -3.56 | 22.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 18@9 | DFT_QAM64  | 25.31 | -3.56 | 21.75 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 1@1  | DFT_QAM64  | 25.22 | -3.56 | 21.66 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 1@36 | DFT_QAM64  | 24.97 | -3.56 | 21.41 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 36@0 | DFT_QAM64  | 25.2  | -3.56 | 21.64 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 18@9 | DFT_QAM256 | 23.16 | -3.56 | 19.6  | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 1@1  | DFT_QAM256 | 23.18 | -3.56 | 19.62 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 1@36 | DFT_QAM256 | 23.34 | -3.56 | 19.78 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 36@0 | DFT_QAM256 | 23.13 | -3.56 | 19.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 19@9 | CP_QPSK    | 26.32 | -3.56 | 22.76 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 1@1  | CP_QPSK    | 25.99 | -3.56 | 22.43 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 1@36 | CP_QPSK    | 26.15 | -3.56 | 22.59 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 38@0 | CP_QPSK    | 24.59 | -3.56 | 21.03 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 19@9 | CP_QAM16   | 25.59 | -3.56 | 22.03 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 1@1  | CP_QAM16   | 26.1  | -3.56 | 22.54 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 1@36 | CP_QAM16   | 26.18 | -3.56 | 22.62 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 38@0 | CP_QAM16   | 24.66 | -3.56 | 21.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 19@9 | CP_QAM64   | 24.44 | -3.56 | 20.88 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 1@1  | CP_QAM64   | 24.97 | -3.56 | 21.41 | 33.01 | PASS |

|                |    |    |        |       |            |       |       |       |       |      |
|----------------|----|----|--------|-------|------------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 15 | 652832 | 1@36  | CP_QAM64   | 24.27 | -3.56 | 20.71 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 38@0  | CP_QAM64   | 24.22 | -3.56 | 20.66 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 19@9  | CP_QAM256  | 21.17 | -3.56 | 17.61 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 1@1   | CP_QAM256  | 20.77 | -3.56 | 17.21 | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 1@36  | CP_QAM256  | 21.16 | -3.56 | 17.6  | 33.01 | PASS |
| n78(3700-3800) | 30 | 15 | 652832 | 38@0  | CP_QAM256  | 21.11 | -3.56 | 17.55 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 25@12 | DFT_BPSK   | 27.64 | -3.56 | 24.08 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 1@1   | DFT_BPSK   | 27.56 | -3.56 | 24    | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 1@49  | DFT_BPSK   | 27.59 | -3.56 | 24.03 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 50@0  | DFT_BPSK   | 27.15 | -3.56 | 23.59 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 25@12 | DFT_QPSK   | 27.6  | -3.56 | 24.04 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 1@1   | DFT_QPSK   | 27.5  | -3.56 | 23.94 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 1@49  | DFT_QPSK   | 27.5  | -3.56 | 23.94 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 50@0  | DFT_QPSK   | 26.62 | -3.56 | 23.06 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 25@12 | DFT_QAM16  | 26.65 | -3.56 | 23.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 1@1   | DFT_QAM16  | 26.53 | -3.56 | 22.97 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 1@49  | DFT_QAM16  | 26.6  | -3.56 | 23.04 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 50@0  | DFT_QAM16  | 25.65 | -3.56 | 22.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 25@12 | DFT_QAM64  | 25.17 | -3.56 | 21.61 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 1@1   | DFT_QAM64  | 24.84 | -3.56 | 21.28 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 1@49  | DFT_QAM64  | 25.29 | -3.56 | 21.73 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 50@0  | DFT_QAM64  | 25.14 | -3.56 | 21.58 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 25@12 | DFT_QAM256 | 23.23 | -3.56 | 19.67 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 1@1   | DFT_QAM256 | 23.04 | -3.56 | 19.48 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 1@49  | DFT_QAM256 | 23.23 | -3.56 | 19.67 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 50@0  | DFT_QAM256 | 23.12 | -3.56 | 19.56 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 25@12 | CP_QPSK    | 26.18 | -3.56 | 22.62 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 1@1   | CP_QPSK    | 26.05 | -3.56 | 22.49 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 1@49  | CP_QPSK    | 25.99 | -3.56 | 22.43 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 51@0  | CP_QPSK    | 24.67 | -3.56 | 21.11 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 25@12 | CP_QAM16   | 25.78 | -3.56 | 22.22 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 1@1   | CP_QAM16   | 25.8  | -3.56 | 22.24 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 1@49  | CP_QAM16   | 25.73 | -3.56 | 22.17 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 51@0  | CP_QAM16   | 24.69 | -3.56 | 21.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 25@12 | CP_QAM64   | 24.39 | -3.56 | 20.83 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 1@1   | CP_QAM64   | 24.96 | -3.56 | 21.4  | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 1@49  | CP_QAM64   | 24.95 | -3.56 | 21.39 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 51@0  | CP_QAM64   | 24.21 | -3.56 | 20.65 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 25@12 | CP_QAM256  | 21.21 | -3.56 | 17.65 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 1@1   | CP_QAM256  | 21.08 | -3.56 | 17.52 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 1@49  | CP_QAM256  | 20.83 | -3.56 | 17.27 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 51@0  | CP_QAM256  | 21.09 | -3.56 | 17.53 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 25@12 | DFT_BPSK   | 27.73 | -3.56 | 24.17 | 33.01 | PASS |

|                |    |    |        |       |            |       |       |       |       |      |
|----------------|----|----|--------|-------|------------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 20 | 650000 | 1@1   | DFT_BPSK   | 27.57 | -3.56 | 24.01 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 1@49  | DFT_BPSK   | 27.57 | -3.56 | 24.01 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 50@0  | DFT_BPSK   | 27.24 | -3.56 | 23.68 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 25@12 | DFT_QPSK   | 27.76 | -3.56 | 24.2  | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 1@1   | DFT_QPSK   | 27.56 | -3.56 | 24    | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 1@49  | DFT_QPSK   | 27.49 | -3.56 | 23.93 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 50@0  | DFT_QPSK   | 26.73 | -3.56 | 23.17 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 25@12 | DFT_QAM16  | 26.71 | -3.56 | 23.15 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 1@1   | DFT_QAM16  | 26.69 | -3.56 | 23.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 1@49  | DFT_QAM16  | 26.63 | -3.56 | 23.07 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 50@0  | DFT_QAM16  | 25.72 | -3.56 | 22.16 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 25@12 | DFT_QAM64  | 25.29 | -3.56 | 21.73 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 1@1   | DFT_QAM64  | 25    | -3.56 | 21.44 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 1@49  | DFT_QAM64  | 24.98 | -3.56 | 21.42 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 50@0  | DFT_QAM64  | 25.22 | -3.56 | 21.66 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 25@12 | DFT_QAM256 | 23.21 | -3.56 | 19.65 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 1@1   | DFT_QAM256 | 23.2  | -3.56 | 19.64 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 1@49  | DFT_QAM256 | 23.23 | -3.56 | 19.67 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 50@0  | DFT_QAM256 | 23.23 | -3.56 | 19.67 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 25@12 | CP_QPSK    | 26.14 | -3.56 | 22.58 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 1@1   | CP_QPSK    | 26.23 | -3.56 | 22.67 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 1@49  | CP_QPSK    | 26.08 | -3.56 | 22.52 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 51@0  | CP_QPSK    | 24.77 | -3.56 | 21.21 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 25@12 | CP_QAM16   | 25.71 | -3.56 | 22.15 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 1@1   | CP_QAM16   | 26.12 | -3.56 | 22.56 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 1@49  | CP_QAM16   | 25.4  | -3.56 | 21.84 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 51@0  | CP_QAM16   | 24.75 | -3.56 | 21.19 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 25@12 | CP_QAM64   | 24.44 | -3.56 | 20.88 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 1@1   | CP_QAM64   | 24.32 | -3.56 | 20.76 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 1@49  | CP_QAM64   | 25    | -3.56 | 21.44 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 51@0  | CP_QAM64   | 24.26 | -3.56 | 20.7  | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 25@12 | CP_QAM256  | 21.17 | -3.56 | 17.61 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 1@1   | CP_QAM256  | 21.23 | -3.56 | 17.67 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 1@49  | CP_QAM256  | 21.12 | -3.56 | 17.56 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 51@0  | CP_QAM256  | 21.1  | -3.56 | 17.54 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 25@12 | DFT_BPSK   | 27.66 | -3.56 | 24.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 1@1   | DFT_BPSK   | 27.5  | -3.56 | 23.94 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 1@49  | DFT_BPSK   | 27.67 | -3.56 | 24.11 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 50@0  | DFT_BPSK   | 27.13 | -3.56 | 23.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 25@12 | DFT_QPSK   | 27.67 | -3.56 | 24.11 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 1@1   | DFT_QPSK   | 27.4  | -3.56 | 23.84 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 1@49  | DFT_QPSK   | 27.56 | -3.56 | 24    | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 50@0  | DFT_QPSK   | 26.64 | -3.56 | 23.08 | 33.01 | PASS |

|                |    |    |        |       |            |       |       |       |       |      |
|----------------|----|----|--------|-------|------------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 20 | 652666 | 25@12 | DFT_QAM16  | 26.64 | -3.56 | 23.08 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 1@1   | DFT_QAM16  | 26.56 | -3.56 | 23    | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 1@49  | DFT_QAM16  | 26.67 | -3.56 | 23.11 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 50@0  | DFT_QAM16  | 25.68 | -3.56 | 22.12 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 25@12 | DFT_QAM64  | 25.22 | -3.56 | 21.66 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 1@1   | DFT_QAM64  | 25.26 | -3.56 | 21.7  | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 1@49  | DFT_QAM64  | 25.02 | -3.56 | 21.46 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 50@0  | DFT_QAM64  | 25.19 | -3.56 | 21.63 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 25@12 | DFT_QAM256 | 23.21 | -3.56 | 19.65 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 1@1   | DFT_QAM256 | 23.16 | -3.56 | 19.6  | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 1@49  | DFT_QAM256 | 23.34 | -3.56 | 19.78 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 50@0  | DFT_QAM256 | 23.17 | -3.56 | 19.61 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 25@12 | CP_QPSK    | 26.16 | -3.56 | 22.6  | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 1@1   | CP_QPSK    | 26.01 | -3.56 | 22.45 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 1@49  | CP_QPSK    | 26.09 | -3.56 | 22.53 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 51@0  | CP_QPSK    | 24.66 | -3.56 | 21.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 25@12 | CP_QAM16   | 25.66 | -3.56 | 22.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 1@1   | CP_QAM16   | 25.97 | -3.56 | 22.41 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 1@49  | CP_QAM16   | 26.07 | -3.56 | 22.51 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 51@0  | CP_QAM16   | 24.66 | -3.56 | 21.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 25@12 | CP_QAM64   | 24.35 | -3.56 | 20.79 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 1@1   | CP_QAM64   | 24.17 | -3.56 | 20.61 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 1@49  | CP_QAM64   | 24.29 | -3.56 | 20.73 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 51@0  | CP_QAM64   | 24.2  | -3.56 | 20.64 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 25@12 | CP_QAM256  | 21.18 | -3.56 | 17.62 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 1@1   | CP_QAM256  | 20.74 | -3.56 | 17.18 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 1@49  | CP_QAM256  | 20.85 | -3.56 | 17.29 | 33.01 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 51@0  | CP_QAM256  | 21.09 | -3.56 | 17.53 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 36@18 | DFT_BPSK   | 27.67 | -3.56 | 24.11 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 1@1   | DFT_BPSK   | 27.57 | -3.56 | 24.01 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 1@76  | DFT_BPSK   | 27.63 | -3.56 | 24.07 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 75@0  | DFT_BPSK   | 27.13 | -3.56 | 23.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 36@18 | DFT_QPSK   | 27.58 | -3.56 | 24.02 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 1@1   | DFT_QPSK   | 27.44 | -3.56 | 23.88 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 1@76  | DFT_QPSK   | 27.57 | -3.56 | 24.01 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 75@0  | DFT_QPSK   | 26.61 | -3.56 | 23.05 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 36@18 | DFT_QAM16  | 26.64 | -3.56 | 23.08 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 1@1   | DFT_QAM16  | 26.58 | -3.56 | 23.02 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 1@76  | DFT_QAM16  | 26.7  | -3.56 | 23.14 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 75@0  | DFT_QAM16  | 25.65 | -3.56 | 22.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 36@18 | DFT_QAM64  | 25.28 | -3.56 | 21.72 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 1@1   | DFT_QAM64  | 24.92 | -3.56 | 21.36 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 1@76  | DFT_QAM64  | 25.39 | -3.56 | 21.83 | 33.01 | PASS |

|                |    |    |        |       |            |       |       |       |       |      |
|----------------|----|----|--------|-------|------------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 30 | 647668 | 75@0  | DFT_QAM64  | 25.27 | -3.56 | 21.71 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 36@18 | DFT_QAM256 | 23.05 | -3.56 | 19.49 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 1@1   | DFT_QAM256 | 23.24 | -3.56 | 19.68 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 1@76  | DFT_QAM256 | 23.17 | -3.56 | 19.61 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 75@0  | DFT_QAM256 | 23.12 | -3.56 | 19.56 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 39@19 | CP_QPSK    | 26.11 | -3.56 | 22.55 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 1@1   | CP_QPSK    | 25.99 | -3.56 | 22.43 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 1@76  | CP_QPSK    | 26.11 | -3.56 | 22.55 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 78@0  | CP_QPSK    | 24.71 | -3.56 | 21.15 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 39@19 | CP_QAM16   | 25.58 | -3.56 | 22.02 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 1@1   | CP_QAM16   | 25.93 | -3.56 | 22.37 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 1@76  | CP_QAM16   | 25.49 | -3.56 | 21.93 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 78@0  | CP_QAM16   | 24.68 | -3.56 | 21.12 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 39@19 | CP_QAM64   | 24.16 | -3.56 | 20.6  | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 1@1   | CP_QAM64   | 24.14 | -3.56 | 20.58 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 1@76  | CP_QAM64   | 24.97 | -3.56 | 21.41 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 78@0  | CP_QAM64   | 24.18 | -3.56 | 20.62 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 39@19 | CP_QAM256  | 21.2  | -3.56 | 17.64 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 1@1   | CP_QAM256  | 21.05 | -3.56 | 17.49 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 1@76  | CP_QAM256  | 21.06 | -3.56 | 17.5  | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 78@0  | CP_QAM256  | 21.17 | -3.56 | 17.61 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 36@18 | DFT_BPSK   | 27.72 | -3.56 | 24.16 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 1@1   | DFT_BPSK   | 27.7  | -3.56 | 24.14 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 1@76  | DFT_BPSK   | 27.66 | -3.56 | 24.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 75@0  | DFT_BPSK   | 27.2  | -3.56 | 23.64 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 36@18 | DFT_QPSK   | 27.7  | -3.56 | 24.14 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 1@1   | DFT_QPSK   | 27.64 | -3.56 | 24.08 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 1@76  | DFT_QPSK   | 27.67 | -3.56 | 24.11 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 75@0  | DFT_QPSK   | 26.7  | -3.56 | 23.14 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 36@18 | DFT_QAM16  | 26.67 | -3.56 | 23.11 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 1@1   | DFT_QAM16  | 26.66 | -3.56 | 23.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 1@76  | DFT_QAM16  | 26.62 | -3.56 | 23.06 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 75@0  | DFT_QAM16  | 25.67 | -3.56 | 22.11 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 36@18 | DFT_QAM64  | 25.32 | -3.56 | 21.76 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 1@1   | DFT_QAM64  | 25.1  | -3.56 | 21.54 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 1@76  | DFT_QAM64  | 25.06 | -3.56 | 21.5  | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 75@0  | DFT_QAM64  | 25.3  | -3.56 | 21.74 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 36@18 | DFT_QAM256 | 23.15 | -3.56 | 19.59 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 1@1   | DFT_QAM256 | 23.25 | -3.56 | 19.69 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 1@76  | DFT_QAM256 | 23.14 | -3.56 | 19.58 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 75@0  | DFT_QAM256 | 23.18 | -3.56 | 19.62 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 39@19 | CP_QPSK    | 26.19 | -3.56 | 22.63 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 1@1   | CP_QPSK    | 26.16 | -3.56 | 22.6  | 33.01 | PASS |

|                |    |    |        |       |            |       |       |       |       |      |
|----------------|----|----|--------|-------|------------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 30 | 650000 | 1@76  | CP_QPSK    | 26.04 | -3.56 | 22.48 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 78@0  | CP_QPSK    | 24.69 | -3.56 | 21.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 39@19 | CP_QAM16   | 25.72 | -3.56 | 22.16 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 1@1   | CP_QAM16   | 25.69 | -3.56 | 22.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 1@76  | CP_QAM16   | 26.03 | -3.56 | 22.47 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 78@0  | CP_QAM16   | 24.68 | -3.56 | 21.12 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 39@19 | CP_QAM64   | 24.25 | -3.56 | 20.69 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 1@1   | CP_QAM64   | 24.54 | -3.56 | 20.98 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 1@76  | CP_QAM64   | 24.39 | -3.56 | 20.83 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 78@0  | CP_QAM64   | 24.3  | -3.56 | 20.74 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 39@19 | CP_QAM256  | 21.17 | -3.56 | 17.61 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 1@1   | CP_QAM256  | 21.14 | -3.56 | 17.58 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 1@76  | CP_QAM256  | 21.03 | -3.56 | 17.47 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 78@0  | CP_QAM256  | 21.22 | -3.56 | 17.66 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 36@18 | DFT_BPSK   | 27.55 | -3.56 | 23.99 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 1@1   | DFT_BPSK   | 27.58 | -3.56 | 24.02 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 1@76  | DFT_BPSK   | 27.61 | -3.56 | 24.05 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 75@0  | DFT_BPSK   | 27.09 | -3.56 | 23.53 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 36@18 | DFT_QPSK   | 27.59 | -3.56 | 24.03 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 1@1   | DFT_QPSK   | 27.47 | -3.56 | 23.91 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 1@76  | DFT_QPSK   | 27.58 | -3.56 | 24.02 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 75@0  | DFT_QPSK   | 26.6  | -3.56 | 23.04 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 36@18 | DFT_QAM16  | 26.56 | -3.56 | 23    | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 1@1   | DFT_QAM16  | 26.65 | -3.56 | 23.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 1@76  | DFT_QAM16  | 26.76 | -3.56 | 23.2  | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 75@0  | DFT_QAM16  | 25.59 | -3.56 | 22.03 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 36@18 | DFT_QAM64  | 25.18 | -3.56 | 21.62 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 1@1   | DFT_QAM64  | 24.93 | -3.56 | 21.37 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 1@76  | DFT_QAM64  | 24.98 | -3.56 | 21.42 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 75@0  | DFT_QAM64  | 25.14 | -3.56 | 21.58 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 36@18 | DFT_QAM256 | 23.05 | -3.56 | 19.49 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 1@1   | DFT_QAM256 | 23.26 | -3.56 | 19.7  | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 1@76  | DFT_QAM256 | 23.31 | -3.56 | 19.75 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 75@0  | DFT_QAM256 | 23.11 | -3.56 | 19.55 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 39@19 | CP_QPSK    | 26.09 | -3.56 | 22.53 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 1@1   | CP_QPSK    | 26.09 | -3.56 | 22.53 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 1@76  | CP_QPSK    | 26.13 | -3.56 | 22.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 78@0  | CP_QPSK    | 24.57 | -3.56 | 21.01 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 39@19 | CP_QAM16   | 25.62 | -3.56 | 22.06 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 1@1   | CP_QAM16   | 25.63 | -3.56 | 22.07 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 1@76  | CP_QAM16   | 26    | -3.56 | 22.44 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 78@0  | CP_QAM16   | 24.65 | -3.56 | 21.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 39@19 | CP_QAM64   | 24.2  | -3.56 | 20.64 | 33.01 | PASS |

|                |    |    |        |       |            |       |       |       |       |      |
|----------------|----|----|--------|-------|------------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 30 | 652332 | 1@1   | CP_QAM64   | 24.46 | -3.56 | 20.9  | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 1@76  | CP_QAM64   | 24.57 | -3.56 | 21.01 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 78@0  | CP_QAM64   | 24.19 | -3.56 | 20.63 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 39@19 | CP_QAM256  | 21.13 | -3.56 | 17.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 1@1   | CP_QAM256  | 20.94 | -3.56 | 17.38 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 1@76  | CP_QAM256  | 21.12 | -3.56 | 17.56 | 33.01 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 78@0  | CP_QAM256  | 21.15 | -3.56 | 17.59 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 50@25 | DFT_BPSK   | 27.61 | -3.56 | 24.05 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 1@1   | DFT_BPSK   | 27.56 | -3.56 | 24    | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 1@104 | DFT_BPSK   | 27.72 | -3.56 | 24.16 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 100@0 | DFT_BPSK   | 27.15 | -3.56 | 23.59 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 50@25 | DFT_QPSK   | 27.58 | -3.56 | 24.02 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 1@1   | DFT_QPSK   | 27.56 | -3.56 | 24    | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 1@104 | DFT_QPSK   | 27.72 | -3.56 | 24.16 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 100@0 | DFT_QPSK   | 26.66 | -3.56 | 23.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 50@25 | DFT_QAM16  | 26.63 | -3.56 | 23.07 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 1@1   | DFT_QAM16  | 26.57 | -3.56 | 23.01 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 1@104 | DFT_QAM16  | 26.71 | -3.56 | 23.15 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 100@0 | DFT_QAM16  | 25.61 | -3.56 | 22.05 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 50@25 | DFT_QAM64  | 25.23 | -3.56 | 21.67 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 1@1   | DFT_QAM64  | 24.91 | -3.56 | 21.35 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 1@104 | DFT_QAM64  | 25.13 | -3.56 | 21.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 100@0 | DFT_QAM64  | 25.18 | -3.56 | 21.62 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 50@25 | DFT_QAM256 | 23.24 | -3.56 | 19.68 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 1@1   | DFT_QAM256 | 23.12 | -3.56 | 19.56 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 1@104 | DFT_QAM256 | 23.36 | -3.56 | 19.8  | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 100@0 | DFT_QAM256 | 23.28 | -3.56 | 19.72 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 53@26 | CP_QPSK    | 26.13 | -3.56 | 22.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 1@1   | CP_QPSK    | 25.97 | -3.56 | 22.41 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 1@104 | CP_QPSK    | 26.08 | -3.56 | 22.52 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 106@0 | CP_QPSK    | 24.66 | -3.56 | 21.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 53@26 | CP_QAM16   | 25.58 | -3.56 | 22.02 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 1@1   | CP_QAM16   | 25.92 | -3.56 | 22.36 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 1@104 | CP_QAM16   | 26.07 | -3.56 | 22.51 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 106@0 | CP_QAM16   | 24.74 | -3.56 | 21.18 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 53@26 | CP_QAM64   | 24.21 | -3.56 | 20.65 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 1@1   | CP_QAM64   | 24.35 | -3.56 | 20.79 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 1@104 | CP_QAM64   | 24.61 | -3.56 | 21.05 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 106@0 | CP_QAM64   | 24.14 | -3.56 | 20.58 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 53@26 | CP_QAM256  | 21.14 | -3.56 | 17.58 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 1@1   | CP_QAM256  | 21.01 | -3.56 | 17.45 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 1@104 | CP_QAM256  | 21.17 | -3.56 | 17.61 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 106@0 | CP_QAM256  | 21.18 | -3.56 | 17.62 | 33.01 | PASS |

|                |    |    |        |       |            |       |       |       |       |      |
|----------------|----|----|--------|-------|------------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 40 | 650000 | 50@25 | DFT_BPSK   | 27.71 | -3.56 | 24.15 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 1@1   | DFT_BPSK   | 27.68 | -3.56 | 24.12 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 1@104 | DFT_BPSK   | 27.66 | -3.56 | 24.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 100@0 | DFT_BPSK   | 27.25 | -3.56 | 23.69 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 50@25 | DFT_QPSK   | 27.69 | -3.56 | 24.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 1@1   | DFT_QPSK   | 27.66 | -3.56 | 24.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 1@104 | DFT_QPSK   | 27.62 | -3.56 | 24.06 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 100@0 | DFT_QPSK   | 26.73 | -3.56 | 23.17 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 50@25 | DFT_QAM16  | 26.66 | -3.56 | 23.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 1@1   | DFT_QAM16  | 26.73 | -3.56 | 23.17 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 1@104 | DFT_QAM16  | 26.65 | -3.56 | 23.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 100@0 | DFT_QAM16  | 25.69 | -3.56 | 22.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 50@25 | DFT_QAM64  | 25.27 | -3.56 | 21.71 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 1@1   | DFT_QAM64  | 25.04 | -3.56 | 21.48 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 1@104 | DFT_QAM64  | 25    | -3.56 | 21.44 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 100@0 | DFT_QAM64  | 25.22 | -3.56 | 21.66 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 50@25 | DFT_QAM256 | 23.17 | -3.56 | 19.61 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 1@1   | DFT_QAM256 | 23.41 | -3.56 | 19.85 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 1@104 | DFT_QAM256 | 23.33 | -3.56 | 19.77 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 100@0 | DFT_QAM256 | 23.26 | -3.56 | 19.7  | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 53@26 | CP_QPSK    | 26.2  | -3.56 | 22.64 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 1@1   | CP_QPSK    | 26.2  | -3.56 | 22.64 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 1@104 | CP_QPSK    | 26.04 | -3.56 | 22.48 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 106@0 | CP_QPSK    | 24.71 | -3.56 | 21.15 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 53@26 | CP_QAM16   | 25.66 | -3.56 | 22.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 1@1   | CP_QAM16   | 26.16 | -3.56 | 22.6  | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 1@104 | CP_QAM16   | 26.13 | -3.56 | 22.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 106@0 | CP_QAM16   | 24.68 | -3.56 | 21.12 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 53@26 | CP_QAM64   | 24.32 | -3.56 | 20.76 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 1@1   | CP_QAM64   | 24.33 | -3.56 | 20.77 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 1@104 | CP_QAM64   | 24.98 | -3.56 | 21.42 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 106@0 | CP_QAM64   | 24.2  | -3.56 | 20.64 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 53@26 | CP_QAM256  | 21.2  | -3.56 | 17.64 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 1@1   | CP_QAM256  | 21.14 | -3.56 | 17.58 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 1@104 | CP_QAM256  | 20.77 | -3.56 | 17.21 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 106@0 | CP_QAM256  | 21.19 | -3.56 | 17.63 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 50@25 | DFT_BPSK   | 27.6  | -3.56 | 24.04 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 1@1   | DFT_BPSK   | 27.59 | -3.56 | 24.03 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 1@104 | DFT_BPSK   | 27.65 | -3.56 | 24.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 100@0 | DFT_BPSK   | 27.13 | -3.56 | 23.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 50@25 | DFT_QPSK   | 27.6  | -3.56 | 24.04 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 1@1   | DFT_QPSK   | 27.6  | -3.56 | 24.04 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 1@104 | DFT_QPSK   | 27.56 | -3.56 | 24    | 33.01 | PASS |

|                |    |    |        |       |            |       |       |       |       |      |
|----------------|----|----|--------|-------|------------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 40 | 652000 | 100@0 | DFT_QPSK   | 26.66 | -3.56 | 23.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 50@25 | DFT_QAM16  | 26.65 | -3.56 | 23.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 1@1   | DFT_QAM16  | 26.6  | -3.56 | 23.04 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 1@104 | DFT_QAM16  | 26.67 | -3.56 | 23.11 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 100@0 | DFT_QAM16  | 25.61 | -3.56 | 22.05 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 50@25 | DFT_QAM64  | 25.11 | -3.56 | 21.55 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 1@1   | DFT_QAM64  | 25    | -3.56 | 21.44 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 1@104 | DFT_QAM64  | 25.01 | -3.56 | 21.45 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 100@0 | DFT_QAM64  | 25.17 | -3.56 | 21.61 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 50@25 | DFT_QAM256 | 23.18 | -3.56 | 19.62 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 1@1   | DFT_QAM256 | 23.18 | -3.56 | 19.62 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 1@104 | DFT_QAM256 | 23.37 | -3.56 | 19.81 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 100@0 | DFT_QAM256 | 23.17 | -3.56 | 19.61 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 53@26 | CP_QPSK    | 26.08 | -3.56 | 22.52 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 1@1   | CP_QPSK    | 26.12 | -3.56 | 22.56 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 1@104 | CP_QPSK    | 26.11 | -3.56 | 22.55 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 106@0 | CP_QPSK    | 24.63 | -3.56 | 21.07 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 53@26 | CP_QAM16   | 25.56 | -3.56 | 22    | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 1@1   | CP_QAM16   | 25.85 | -3.56 | 22.29 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 1@104 | CP_QAM16   | 25.86 | -3.56 | 22.3  | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 106@0 | CP_QAM16   | 24.62 | -3.56 | 21.06 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 53@26 | CP_QAM64   | 24.13 | -3.56 | 20.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 1@1   | CP_QAM64   | 24.24 | -3.56 | 20.68 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 1@104 | CP_QAM64   | 24.22 | -3.56 | 20.66 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 106@0 | CP_QAM64   | 24.18 | -3.56 | 20.62 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 53@26 | CP_QAM256  | 21.1  | -3.56 | 17.54 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 1@1   | CP_QAM256  | 20.69 | -3.56 | 17.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 1@104 | CP_QAM256  | 20.79 | -3.56 | 17.23 | 33.01 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 106@0 | CP_QAM256  | 21.12 | -3.56 | 17.56 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 64@32 | DFT_BPSK   | 27.64 | -3.56 | 24.08 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 1@1   | DFT_BPSK   | 27.54 | -3.56 | 23.98 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 1@131 | DFT_BPSK   | 27.64 | -3.56 | 24.08 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 128@0 | DFT_BPSK   | 27.18 | -3.56 | 23.62 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 64@32 | DFT_QPSK   | 27.65 | -3.56 | 24.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 1@1   | DFT_QPSK   | 27.61 | -3.56 | 24.05 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 1@131 | DFT_QPSK   | 27.67 | -3.56 | 24.11 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 128@0 | DFT_QPSK   | 26.69 | -3.56 | 23.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 64@32 | DFT_QAM16  | 26.67 | -3.56 | 23.11 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 1@1   | DFT_QAM16  | 26.54 | -3.56 | 22.98 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 1@131 | DFT_QAM16  | 26.59 | -3.56 | 23.03 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 128@0 | DFT_QAM16  | 25.63 | -3.56 | 22.07 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 64@32 | DFT_QAM64  | 25.2  | -3.56 | 21.64 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 1@1   | DFT_QAM64  | 25    | -3.56 | 21.44 | 33.01 | PASS |

|                |    |    |        |       |            |       |       |       |       |      |
|----------------|----|----|--------|-------|------------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 50 | 648334 | 1@131 | DFT_QAM64  | 25.08 | -3.56 | 21.52 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 128@0 | DFT_QAM64  | 25.23 | -3.56 | 21.67 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 64@32 | DFT_QAM256 | 23.23 | -3.56 | 19.67 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 1@1   | DFT_QAM256 | 23.06 | -3.56 | 19.5  | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 1@131 | DFT_QAM256 | 23.34 | -3.56 | 19.78 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 128@0 | DFT_QAM256 | 23.21 | -3.56 | 19.65 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 67@33 | CP_QPSK    | 26.16 | -3.56 | 22.6  | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 1@1   | CP_QPSK    | 25.95 | -3.56 | 22.39 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 1@131 | CP_QPSK    | 25.94 | -3.56 | 22.38 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 133@0 | CP_QPSK    | 24.69 | -3.56 | 21.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 67@33 | CP_QAM16   | 25.67 | -3.56 | 22.11 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 1@1   | CP_QAM16   | 25.94 | -3.56 | 22.38 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 1@131 | CP_QAM16   | 25.81 | -3.56 | 22.25 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 133@0 | CP_QAM16   | 24.69 | -3.56 | 21.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 67@33 | CP_QAM64   | 24.25 | -3.56 | 20.69 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 1@1   | CP_QAM64   | 24.12 | -3.56 | 20.56 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 1@131 | CP_QAM64   | 24.99 | -3.56 | 21.43 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 133@0 | CP_QAM64   | 24.15 | -3.56 | 20.59 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 67@33 | CP_QAM256  | 21.19 | -3.56 | 17.63 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 1@1   | CP_QAM256  | 21.06 | -3.56 | 17.5  | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 1@131 | CP_QAM256  | 20.73 | -3.56 | 17.17 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 133@0 | CP_QAM256  | 21.13 | -3.56 | 17.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 64@32 | DFT_BPSK   | 27.72 | -3.56 | 24.16 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 1@1   | DFT_BPSK   | 27.66 | -3.56 | 24.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 1@131 | DFT_BPSK   | 27.66 | -3.56 | 24.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 128@0 | DFT_BPSK   | 27.16 | -3.56 | 23.6  | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 64@32 | DFT_QPSK   | 27.72 | -3.56 | 24.16 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 1@1   | DFT_QPSK   | 27.61 | -3.56 | 24.05 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 1@131 | DFT_QPSK   | 27.6  | -3.56 | 24.04 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 128@0 | DFT_QPSK   | 26.72 | -3.56 | 23.16 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 64@32 | DFT_QAM16  | 26.75 | -3.56 | 23.19 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 1@1   | DFT_QAM16  | 26.78 | -3.56 | 23.22 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 1@131 | DFT_QAM16  | 26.73 | -3.56 | 23.17 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 128@0 | DFT_QAM16  | 25.76 | -3.56 | 22.2  | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 64@32 | DFT_QAM64  | 25.3  | -3.56 | 21.74 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 1@1   | DFT_QAM64  | 25.62 | -3.56 | 22.06 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 1@131 | DFT_QAM64  | 25.57 | -3.56 | 22.01 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 128@0 | DFT_QAM64  | 25.28 | -3.56 | 21.72 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 64@32 | DFT_QAM256 | 23.33 | -3.56 | 19.77 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 1@1   | DFT_QAM256 | 23.18 | -3.56 | 19.62 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 1@131 | DFT_QAM256 | 23.37 | -3.56 | 19.81 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 128@0 | DFT_QAM256 | 23.24 | -3.56 | 19.68 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 67@33 | CP_QPSK    | 26.18 | -3.56 | 22.62 | 33.01 | PASS |

|                |    |    |        |       |            |       |       |       |       |      |
|----------------|----|----|--------|-------|------------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 50 | 650000 | 1@1   | CP_QPSK    | 26.08 | -3.56 | 22.52 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 1@131 | CP_QPSK    | 26.1  | -3.56 | 22.54 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 133@0 | CP_QPSK    | 24.67 | -3.56 | 21.11 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 67@33 | CP_QAM16   | 25.79 | -3.56 | 22.23 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 1@1   | CP_QAM16   | 25.53 | -3.56 | 21.97 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 1@131 | CP_QAM16   | 26.01 | -3.56 | 22.45 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 133@0 | CP_QAM16   | 24.68 | -3.56 | 21.12 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 67@33 | CP_QAM64   | 24.29 | -3.56 | 20.73 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 1@1   | CP_QAM64   | 24.91 | -3.56 | 21.35 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 1@131 | CP_QAM64   | 24.83 | -3.56 | 21.27 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 133@0 | CP_QAM64   | 24.16 | -3.56 | 20.6  | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 67@33 | CP_QAM256  | 21.26 | -3.56 | 17.7  | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 1@1   | CP_QAM256  | 21.04 | -3.56 | 17.48 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 1@131 | CP_QAM256  | 20.93 | -3.56 | 17.37 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 133@0 | CP_QAM256  | 21.14 | -3.56 | 17.58 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 64@32 | DFT_BPSK   | 27.69 | -3.56 | 24.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 1@1   | DFT_BPSK   | 27.58 | -3.56 | 24.02 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 1@131 | DFT_BPSK   | 27.64 | -3.56 | 24.08 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 128@0 | DFT_BPSK   | 27.13 | -3.56 | 23.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 64@32 | DFT_QPSK   | 27.66 | -3.56 | 24.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 1@1   | DFT_QPSK   | 27.58 | -3.56 | 24.02 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 1@131 | DFT_QPSK   | 27.6  | -3.56 | 24.04 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 128@0 | DFT_QPSK   | 26.65 | -3.56 | 23.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 64@32 | DFT_QAM16  | 26.62 | -3.56 | 23.06 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 1@1   | DFT_QAM16  | 26.66 | -3.56 | 23.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 1@131 | DFT_QAM16  | 26.64 | -3.56 | 23.08 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 128@0 | DFT_QAM16  | 25.7  | -3.56 | 22.14 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 64@32 | DFT_QAM64  | 25.18 | -3.56 | 21.62 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 1@1   | DFT_QAM64  | 25.53 | -3.56 | 21.97 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 1@131 | DFT_QAM64  | 25.09 | -3.56 | 21.53 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 128@0 | DFT_QAM64  | 25.2  | -3.56 | 21.64 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 64@32 | DFT_QAM256 | 23.21 | -3.56 | 19.65 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 1@1   | DFT_QAM256 | 23.3  | -3.56 | 19.74 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 1@131 | DFT_QAM256 | 23.38 | -3.56 | 19.82 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 128@0 | DFT_QAM256 | 23.2  | -3.56 | 19.64 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 67@33 | CP_QPSK    | 26.13 | -3.56 | 22.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 1@1   | CP_QPSK    | 26.03 | -3.56 | 22.47 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 1@131 | CP_QPSK    | 26.12 | -3.56 | 22.56 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 133@0 | CP_QPSK    | 24.69 | -3.56 | 21.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 67@33 | CP_QAM16   | 25.6  | -3.56 | 22.04 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 1@1   | CP_QAM16   | 26.01 | -3.56 | 22.45 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 1@131 | CP_QAM16   | 26.03 | -3.56 | 22.47 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 133@0 | CP_QAM16   | 24.67 | -3.56 | 21.11 | 33.01 | PASS |

|                |    |    |        |       |            |       |       |       |       |      |
|----------------|----|----|--------|-------|------------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 50 | 651666 | 67@33 | CP_QAM64   | 24.23 | -3.56 | 20.67 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 1@1   | CP_QAM64   | 24.45 | -3.56 | 20.89 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 1@131 | CP_QAM64   | 24.93 | -3.56 | 21.37 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 133@0 | CP_QAM64   | 24.16 | -3.56 | 20.6  | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 67@33 | CP_QAM256  | 21.21 | -3.56 | 17.65 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 1@1   | CP_QAM256  | 20.9  | -3.56 | 17.34 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 1@131 | CP_QAM256  | 21.02 | -3.56 | 17.46 | 33.01 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 133@0 | CP_QAM256  | 21.12 | -3.56 | 17.56 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 81@40 | DFT_BPSK   | 27.7  | -3.56 | 24.14 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 1@1   | DFT_BPSK   | 27.45 | -3.56 | 23.89 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 1@160 | DFT_BPSK   | 27.51 | -3.56 | 23.95 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 162@0 | DFT_BPSK   | 27.18 | -3.56 | 23.62 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 81@40 | DFT_QPSK   | 27.69 | -3.56 | 24.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 1@1   | DFT_QPSK   | 27.38 | -3.56 | 23.82 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 1@160 | DFT_QPSK   | 27.46 | -3.56 | 23.9  | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 162@0 | DFT_QPSK   | 26.64 | -3.56 | 23.08 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 81@40 | DFT_QAM16  | 26.74 | -3.56 | 23.18 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 1@1   | DFT_QAM16  | 26.56 | -3.56 | 23    | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 1@160 | DFT_QAM16  | 26.59 | -3.56 | 23.03 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 162@0 | DFT_QAM16  | 25.62 | -3.56 | 22.06 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 81@40 | DFT_QAM64  | 25.3  | -3.56 | 21.74 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 1@1   | DFT_QAM64  | 24.9  | -3.56 | 21.34 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 1@160 | DFT_QAM64  | 24.93 | -3.56 | 21.37 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 162@0 | DFT_QAM64  | 25.18 | -3.56 | 21.62 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 81@40 | DFT_QAM256 | 23.2  | -3.56 | 19.64 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 1@1   | DFT_QAM256 | 23.13 | -3.56 | 19.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 1@160 | DFT_QAM256 | 23.07 | -3.56 | 19.51 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 162@0 | DFT_QAM256 | 23.16 | -3.56 | 19.6  | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 81@40 | CP_QPSK    | 26.12 | -3.56 | 22.56 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 1@1   | CP_QPSK    | 25.91 | -3.56 | 22.35 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 1@160 | CP_QPSK    | 25.91 | -3.56 | 22.35 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 162@0 | CP_QPSK    | 24.66 | -3.56 | 21.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 81@40 | CP_QAM16   | 25.7  | -3.56 | 22.14 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 1@1   | CP_QAM16   | 25.45 | -3.56 | 21.89 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 1@160 | CP_QAM16   | 25.94 | -3.56 | 22.38 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 162@0 | CP_QAM16   | 24.63 | -3.56 | 21.07 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 81@40 | CP_QAM64   | 24.27 | -3.56 | 20.71 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 1@1   | CP_QAM64   | 24.29 | -3.56 | 20.73 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 1@160 | CP_QAM64   | 24.68 | -3.56 | 21.12 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 162@0 | CP_QAM64   | 24.16 | -3.56 | 20.6  | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 81@40 | CP_QAM256  | 21.15 | -3.56 | 17.59 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 1@1   | CP_QAM256  | 20.88 | -3.56 | 17.32 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 1@160 | CP_QAM256  | 20.84 | -3.56 | 17.28 | 33.01 | PASS |

|                |    |    |        |       |            |       |       |       |       |      |
|----------------|----|----|--------|-------|------------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 60 | 648668 | 162@0 | CP_QAM256  | 21.14 | -3.56 | 17.58 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 81@40 | DFT_BPSK   | 27.64 | -3.56 | 24.08 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 1@1   | DFT_BPSK   | 27.52 | -3.56 | 23.96 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 1@160 | DFT_BPSK   | 27.56 | -3.56 | 24    | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 162@0 | DFT_BPSK   | 27.13 | -3.56 | 23.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 81@40 | DFT_QPSK   | 27.7  | -3.56 | 24.14 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 1@1   | DFT_QPSK   | 27.49 | -3.56 | 23.93 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 1@160 | DFT_QPSK   | 27.45 | -3.56 | 23.89 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 162@0 | DFT_QPSK   | 26.66 | -3.56 | 23.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 81@40 | DFT_QAM16  | 26.7  | -3.56 | 23.14 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 1@1   | DFT_QAM16  | 26.67 | -3.56 | 23.11 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 1@160 | DFT_QAM16  | 26.65 | -3.56 | 23.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 162@0 | DFT_QAM16  | 25.63 | -3.56 | 22.07 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 81@40 | DFT_QAM64  | 25.21 | -3.56 | 21.65 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 1@1   | DFT_QAM64  | 24.92 | -3.56 | 21.36 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 1@160 | DFT_QAM64  | 24.94 | -3.56 | 21.38 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 162@0 | DFT_QAM64  | 25.2  | -3.56 | 21.64 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 81@40 | DFT_QAM256 | 23.17 | -3.56 | 19.61 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 1@1   | DFT_QAM256 | 23.25 | -3.56 | 19.69 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 1@160 | DFT_QAM256 | 23.24 | -3.56 | 19.68 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 162@0 | DFT_QAM256 | 23.23 | -3.56 | 19.67 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 81@40 | CP_QPSK    | 26.13 | -3.56 | 22.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 1@1   | CP_QPSK    | 26.01 | -3.56 | 22.45 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 1@160 | CP_QPSK    | 26.01 | -3.56 | 22.45 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 162@0 | CP_QPSK    | 24.7  | -3.56 | 21.14 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 81@40 | CP_QAM16   | 25.69 | -3.56 | 22.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 1@1   | CP_QAM16   | 25.57 | -3.56 | 22.01 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 1@160 | CP_QAM16   | 25.5  | -3.56 | 21.94 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 162@0 | CP_QAM16   | 24.65 | -3.56 | 21.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 81@40 | CP_QAM64   | 24.24 | -3.56 | 20.68 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 1@1   | CP_QAM64   | 24.35 | -3.56 | 20.79 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 1@160 | CP_QAM64   | 24.73 | -3.56 | 21.17 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 162@0 | CP_QAM64   | 24.17 | -3.56 | 20.61 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 81@40 | CP_QAM256  | 21.13 | -3.56 | 17.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 1@1   | CP_QAM256  | 20.93 | -3.56 | 17.37 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 1@160 | CP_QAM256  | 20.95 | -3.56 | 17.39 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 162@0 | CP_QAM256  | 21.16 | -3.56 | 17.6  | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 81@40 | DFT_BPSK   | 27.66 | -3.56 | 24.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 1@1   | DFT_BPSK   | 27.6  | -3.56 | 24.04 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 1@160 | DFT_BPSK   | 27.66 | -3.56 | 24.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 162@0 | DFT_BPSK   | 27.2  | -3.56 | 23.64 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 81@40 | DFT_QPSK   | 27.66 | -3.56 | 24.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 1@1   | DFT_QPSK   | 27.49 | -3.56 | 23.93 | 33.01 | PASS |

|                |    |    |        |       |            |       |       |       |       |      |
|----------------|----|----|--------|-------|------------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 60 | 651332 | 1@160 | DFT_QPSK   | 27.5  | -3.56 | 23.94 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 162@0 | DFT_QPSK   | 26.7  | -3.56 | 23.14 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 81@40 | DFT_QAM16  | 26.63 | -3.56 | 23.07 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 1@1   | DFT_QAM16  | 26.81 | -3.56 | 23.25 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 1@160 | DFT_QAM16  | 26.8  | -3.56 | 23.24 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 162@0 | DFT_QAM16  | 25.63 | -3.56 | 22.07 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 81@40 | DFT_QAM64  | 25.19 | -3.56 | 21.63 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 1@1   | DFT_QAM64  | 24.95 | -3.56 | 21.39 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 1@160 | DFT_QAM64  | 25    | -3.56 | 21.44 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 162@0 | DFT_QAM64  | 25.2  | -3.56 | 21.64 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 81@40 | DFT_QAM256 | 23.16 | -3.56 | 19.6  | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 1@1   | DFT_QAM256 | 23.3  | -3.56 | 19.74 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 1@160 | DFT_QAM256 | 23.32 | -3.56 | 19.76 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 162@0 | DFT_QAM256 | 23.22 | -3.56 | 19.66 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 81@40 | CP_QPSK    | 26.12 | -3.56 | 22.56 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 1@1   | CP_QPSK    | 26.05 | -3.56 | 22.49 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 1@160 | CP_QPSK    | 26    | -3.56 | 22.44 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 162@0 | CP_QPSK    | 24.68 | -3.56 | 21.12 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 81@40 | CP_QAM16   | 25.64 | -3.56 | 22.08 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 1@1   | CP_QAM16   | 25.61 | -3.56 | 22.05 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 1@160 | CP_QAM16   | 25.92 | -3.56 | 22.36 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 162@0 | CP_QAM16   | 24.62 | -3.56 | 21.06 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 81@40 | CP_QAM64   | 24.17 | -3.56 | 20.61 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 1@1   | CP_QAM64   | 24.78 | -3.56 | 21.22 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 1@160 | CP_QAM64   | 24.39 | -3.56 | 20.83 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 162@0 | CP_QAM64   | 24.2  | -3.56 | 20.64 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 81@40 | CP_QAM256  | 21.14 | -3.56 | 17.58 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 1@1   | CP_QAM256  | 20.9  | -3.56 | 17.34 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 1@160 | CP_QAM256  | 20.97 | -3.56 | 17.41 | 33.01 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 162@0 | CP_QAM256  | 21.1  | -3.56 | 17.54 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 90@45 | DFT_BPSK   | 27.39 | -3.56 | 23.83 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 1@1   | DFT_BPSK   | 27    | -3.56 | 23.44 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 1@187 | DFT_BPSK   | 27.16 | -3.56 | 23.6  | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 180@0 | DFT_BPSK   | 26.69 | -3.56 | 23.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 90@45 | DFT_QPSK   | 27.13 | -3.56 | 23.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 1@1   | DFT_QPSK   | 27.32 | -3.56 | 23.76 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 1@187 | DFT_QPSK   | 26.98 | -3.56 | 23.42 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 180@0 | DFT_QPSK   | 26.86 | -3.56 | 23.3  | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 90@45 | DFT_QAM16  | 26.34 | -3.56 | 22.78 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 1@1   | DFT_QAM16  | 26.39 | -3.56 | 22.83 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 1@187 | DFT_QAM16  | 26.32 | -3.56 | 22.76 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 180@0 | DFT_QAM16  | 26.12 | -3.56 | 22.56 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 90@45 | DFT_QAM64  | 25.57 | -3.56 | 22.01 | 33.01 | PASS |

|                |    |    |        |       |            |       |       |       |       |      |
|----------------|----|----|--------|-------|------------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 70 | 649000 | 1@1   | DFT_QAM64  | 25.01 | -3.56 | 21.45 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 1@187 | DFT_QAM64  | 24.52 | -3.56 | 20.96 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 180@0 | DFT_QAM64  | 25.59 | -3.56 | 22.03 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 90@45 | DFT_QAM256 | 22.62 | -3.56 | 19.06 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 1@1   | DFT_QAM256 | 22.7  | -3.56 | 19.14 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 1@187 | DFT_QAM256 | 23.6  | -3.56 | 20.04 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 180@0 | DFT_QAM256 | 23.52 | -3.56 | 19.96 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 95@47 | CP_QPSK    | 25.85 | -3.56 | 22.29 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 1@1   | CP_QPSK    | 25.77 | -3.56 | 22.21 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 1@187 | CP_QPSK    | 26.19 | -3.56 | 22.63 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 189@0 | CP_QPSK    | 24.54 | -3.56 | 20.98 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 95@47 | CP_QAM16   | 25.47 | -3.56 | 21.91 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 1@1   | CP_QAM16   | 25.61 | -3.56 | 22.05 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 1@187 | CP_QAM16   | 26.42 | -3.56 | 22.86 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 189@0 | CP_QAM16   | 24.73 | -3.56 | 21.17 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 95@47 | CP_QAM64   | 24.47 | -3.56 | 20.91 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 1@1   | CP_QAM64   | 24.38 | -3.56 | 20.82 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 1@187 | CP_QAM64   | 24.62 | -3.56 | 21.06 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 189@0 | CP_QAM64   | 24.53 | -3.56 | 20.97 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 95@47 | CP_QAM256  | 21.31 | -3.56 | 17.75 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 1@1   | CP_QAM256  | 20.95 | -3.56 | 17.39 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 1@187 | CP_QAM256  | 21.12 | -3.56 | 17.56 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 189@0 | CP_QAM256  | 21.47 | -3.56 | 17.91 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 90@45 | DFT_BPSK   | 27.85 | -3.56 | 24.29 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 1@1   | DFT_BPSK   | 27.33 | -3.56 | 23.77 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 1@187 | DFT_BPSK   | 27.71 | -3.56 | 24.15 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 180@0 | DFT_BPSK   | 26.72 | -3.56 | 23.16 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 90@45 | DFT_QPSK   | 27.76 | -3.56 | 24.2  | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 1@1   | DFT_QPSK   | 27.72 | -3.56 | 24.16 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 1@187 | DFT_QPSK   | 27.18 | -3.56 | 23.62 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 180@0 | DFT_QPSK   | 26.8  | -3.56 | 23.24 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 90@45 | DFT_QAM16  | 26.17 | -3.56 | 22.61 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 1@1   | DFT_QAM16  | 26.73 | -3.56 | 23.17 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 1@187 | DFT_QAM16  | 26.64 | -3.56 | 23.08 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 180@0 | DFT_QAM16  | 25.9  | -3.56 | 22.34 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 90@45 | DFT_QAM64  | 25.59 | -3.56 | 22.03 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 1@1   | DFT_QAM64  | 25.38 | -3.56 | 21.82 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 1@187 | DFT_QAM64  | 25.33 | -3.56 | 21.77 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 180@0 | DFT_QAM64  | 25.45 | -3.56 | 21.89 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 90@45 | DFT_QAM256 | 22.71 | -3.56 | 19.15 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 1@1   | DFT_QAM256 | 23.18 | -3.56 | 19.62 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 1@187 | DFT_QAM256 | 23.62 | -3.56 | 20.06 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 180@0 | DFT_QAM256 | 23.22 | -3.56 | 19.66 | 33.01 | PASS |

|                |    |    |        |       |            |       |       |       |       |      |
|----------------|----|----|--------|-------|------------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 70 | 650000 | 95@47 | CP_QPSK    | 25.69 | -3.56 | 22.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 1@1   | CP_QPSK    | 26.07 | -3.56 | 22.51 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 1@187 | CP_QPSK    | 25.65 | -3.56 | 22.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 189@0 | CP_QPSK    | 24.4  | -3.56 | 20.84 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 95@47 | CP_QAM16   | 25.45 | -3.56 | 21.89 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 1@1   | CP_QAM16   | 25.52 | -3.56 | 21.96 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 1@187 | CP_QAM16   | 25.48 | -3.56 | 21.92 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 189@0 | CP_QAM16   | 24.5  | -3.56 | 20.94 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 95@47 | CP_QAM64   | 23.73 | -3.56 | 20.17 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 1@1   | CP_QAM64   | 25.01 | -3.56 | 21.45 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 1@187 | CP_QAM64   | 24.84 | -3.56 | 21.28 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 189@0 | CP_QAM64   | 24.09 | -3.56 | 20.53 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 95@47 | CP_QAM256  | 21.04 | -3.56 | 17.48 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 1@1   | CP_QAM256  | 20.84 | -3.56 | 17.28 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 1@187 | CP_QAM256  | 21.59 | -3.56 | 18.03 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 189@0 | CP_QAM256  | 21.36 | -3.56 | 17.8  | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 90@45 | DFT_BPSK   | 27.99 | -3.56 | 24.43 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 1@1   | DFT_BPSK   | 27.35 | -3.56 | 23.79 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 1@187 | DFT_BPSK   | 27.91 | -3.56 | 24.35 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 180@0 | DFT_BPSK   | 26.65 | -3.56 | 23.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 90@45 | DFT_QPSK   | 27.46 | -3.56 | 23.9  | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 1@1   | DFT_QPSK   | 27.24 | -3.56 | 23.68 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 1@187 | DFT_QPSK   | 27.32 | -3.56 | 23.76 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 180@0 | DFT_QPSK   | 26.16 | -3.56 | 22.6  | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 90@45 | DFT_QAM16  | 26.46 | -3.56 | 22.9  | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 1@1   | DFT_QAM16  | 26.24 | -3.56 | 22.68 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 1@187 | DFT_QAM16  | 27.36 | -3.56 | 23.8  | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 180@0 | DFT_QAM16  | 25.56 | -3.56 | 22    | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 90@45 | DFT_QAM64  | 24.94 | -3.56 | 21.38 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 1@1   | DFT_QAM64  | 24.98 | -3.56 | 21.42 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 1@187 | DFT_QAM64  | 24.49 | -3.56 | 20.93 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 180@0 | DFT_QAM64  | 25.17 | -3.56 | 21.61 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 90@45 | DFT_QAM256 | 23.23 | -3.56 | 19.67 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 1@1   | DFT_QAM256 | 22.71 | -3.56 | 19.15 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 1@187 | DFT_QAM256 | 23.78 | -3.56 | 20.22 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 180@0 | DFT_QAM256 | 23.44 | -3.56 | 19.88 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 95@47 | CP_QPSK    | 25.95 | -3.56 | 22.39 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 1@1   | CP_QPSK    | 26.58 | -3.56 | 23.02 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 1@187 | CP_QPSK    | 26    | -3.56 | 22.44 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 189@0 | CP_QPSK    | 24.88 | -3.56 | 21.32 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 95@47 | CP_QAM16   | 25.95 | -3.56 | 22.39 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 1@1   | CP_QAM16   | 25.76 | -3.56 | 22.2  | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 1@187 | CP_QAM16   | 26.47 | -3.56 | 22.91 | 33.01 | PASS |

|                |    |    |        |        |            |       |       |       |       |      |
|----------------|----|----|--------|--------|------------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 70 | 651000 | 189@0  | CP_QAM16   | 24.76 | -3.56 | 21.2  | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 95@47  | CP_QAM64   | 23.92 | -3.56 | 20.36 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 1@1    | CP_QAM64   | 24.99 | -3.56 | 21.43 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 1@187  | CP_QAM64   | 24.9  | -3.56 | 21.34 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 189@0  | CP_QAM64   | 24.46 | -3.56 | 20.9  | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 95@47  | CP_QAM256  | 21.34 | -3.56 | 17.78 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 1@1    | CP_QAM256  | 20.61 | -3.56 | 17.05 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 1@187  | CP_QAM256  | 21.61 | -3.56 | 18.05 | 33.01 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 189@0  | CP_QAM256  | 20.97 | -3.56 | 17.41 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 108@54 | DFT_BPSK   | 27.69 | -3.56 | 24.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 1@1    | DFT_BPSK   | 27.59 | -3.56 | 24.03 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 1@215  | DFT_BPSK   | 27.56 | -3.56 | 24    | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 216@0  | DFT_BPSK   | 27.08 | -3.56 | 23.52 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 108@54 | DFT_QPSK   | 27.69 | -3.56 | 24.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 1@1    | DFT_QPSK   | 27.54 | -3.56 | 23.98 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 1@215  | DFT_QPSK   | 27.49 | -3.56 | 23.93 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 216@0  | DFT_QPSK   | 26.64 | -3.56 | 23.08 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 108@54 | DFT_QAM16  | 26.69 | -3.56 | 23.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 1@1    | DFT_QAM16  | 26.57 | -3.56 | 23.01 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 1@215  | DFT_QAM16  | 26.58 | -3.56 | 23.02 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 216@0  | DFT_QAM16  | 25.63 | -3.56 | 22.07 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 108@54 | DFT_QAM64  | 25.22 | -3.56 | 21.66 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 1@1    | DFT_QAM64  | 24.97 | -3.56 | 21.41 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 1@215  | DFT_QAM64  | 25.09 | -3.56 | 21.53 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 216@0  | DFT_QAM64  | 25.15 | -3.56 | 21.59 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 108@54 | DFT_QAM256 | 23.18 | -3.56 | 19.62 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 1@1    | DFT_QAM256 | 23.03 | -3.56 | 19.47 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 1@215  | DFT_QAM256 | 23.08 | -3.56 | 19.52 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 216@0  | DFT_QAM256 | 23.15 | -3.56 | 19.59 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 109@54 | CP_QPSK    | 26.14 | -3.56 | 22.58 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 1@1    | CP_QPSK    | 26.01 | -3.56 | 22.45 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 1@215  | CP_QPSK    | 25.97 | -3.56 | 22.41 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 217@0  | CP_QPSK    | 24.64 | -3.56 | 21.08 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 109@54 | CP_QAM16   | 25.64 | -3.56 | 22.08 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 1@1    | CP_QAM16   | 25.6  | -3.56 | 22.04 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 1@215  | CP_QAM16   | 25.83 | -3.56 | 22.27 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 217@0  | CP_QAM16   | 24.57 | -3.56 | 21.01 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 109@54 | CP_QAM64   | 24.14 | -3.56 | 20.58 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 1@1    | CP_QAM64   | 24.17 | -3.56 | 20.61 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 1@215  | CP_QAM64   | 24.3  | -3.56 | 20.74 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 217@0  | CP_QAM64   | 24.09 | -3.56 | 20.53 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 109@54 | CP_QAM256  | 21.19 | -3.56 | 17.63 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 1@1    | CP_QAM256  | 21.17 | -3.56 | 17.61 | 33.01 | PASS |

|                |    |    |        |        |            |       |       |       |       |      |
|----------------|----|----|--------|--------|------------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 80 | 649334 | 1@215  | CP_QAM256  | 21.01 | -3.56 | 17.45 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 217@0  | CP_QAM256  | 21.22 | -3.56 | 17.66 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 108@54 | DFT_BPSK   | 27.67 | -3.56 | 24.11 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 1@1    | DFT_BPSK   | 27.59 | -3.56 | 24.03 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 1@215  | DFT_BPSK   | 27.5  | -3.56 | 23.94 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 216@0  | DFT_BPSK   | 27.12 | -3.56 | 23.56 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 108@54 | DFT_QPSK   | 27.69 | -3.56 | 24.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 1@1    | DFT_QPSK   | 27.5  | -3.56 | 23.94 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 1@215  | DFT_QPSK   | 27.51 | -3.56 | 23.95 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 216@0  | DFT_QPSK   | 26.63 | -3.56 | 23.07 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 108@54 | DFT_QAM16  | 26.66 | -3.56 | 23.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 1@1    | DFT_QAM16  | 26.66 | -3.56 | 23.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 1@215  | DFT_QAM16  | 26.64 | -3.56 | 23.08 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 216@0  | DFT_QAM16  | 25.64 | -3.56 | 22.08 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 108@54 | DFT_QAM64  | 25.22 | -3.56 | 21.66 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 1@1    | DFT_QAM64  | 25.42 | -3.56 | 21.86 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 1@215  | DFT_QAM64  | 25.03 | -3.56 | 21.47 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 216@0  | DFT_QAM64  | 25.17 | -3.56 | 21.61 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 108@54 | DFT_QAM256 | 23.25 | -3.56 | 19.69 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 1@1    | DFT_QAM256 | 23.22 | -3.56 | 19.66 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 1@215  | DFT_QAM256 | 23.25 | -3.56 | 19.69 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 216@0  | DFT_QAM256 | 23.22 | -3.56 | 19.66 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 109@54 | CP_QPSK    | 26.07 | -3.56 | 22.51 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 1@1    | CP_QPSK    | 26.02 | -3.56 | 22.46 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 1@215  | CP_QPSK    | 25.95 | -3.56 | 22.39 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 217@0  | CP_QPSK    | 24.66 | -3.56 | 21.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 109@54 | CP_QAM16   | 25.66 | -3.56 | 22.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 1@1    | CP_QAM16   | 25.45 | -3.56 | 21.89 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 1@215  | CP_QAM16   | 25.98 | -3.56 | 22.42 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 217@0  | CP_QAM16   | 24.64 | -3.56 | 21.08 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 109@54 | CP_QAM64   | 24.19 | -3.56 | 20.63 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 1@1    | CP_QAM64   | 24.69 | -3.56 | 21.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 1@215  | CP_QAM64   | 24.73 | -3.56 | 21.17 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 217@0  | CP_QAM64   | 24.11 | -3.56 | 20.55 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 109@54 | CP_QAM256  | 21.19 | -3.56 | 17.63 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 1@1    | CP_QAM256  | 20.99 | -3.56 | 17.43 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 1@215  | CP_QAM256  | 20.75 | -3.56 | 17.19 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 217@0  | CP_QAM256  | 21.26 | -3.56 | 17.7  | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 108@54 | DFT_BPSK   | 27.7  | -3.56 | 24.14 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 1@1    | DFT_BPSK   | 27.65 | -3.56 | 24.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 1@215  | DFT_BPSK   | 27.59 | -3.56 | 24.03 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 216@0  | DFT_BPSK   | 27.12 | -3.56 | 23.56 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 108@54 | DFT_QPSK   | 27.62 | -3.56 | 24.06 | 33.01 | PASS |

|                |    |    |        |        |            |       |       |       |       |      |
|----------------|----|----|--------|--------|------------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 80 | 650666 | 1@1    | DFT_QPSK   | 27.62 | -3.56 | 24.06 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 1@215  | DFT_QPSK   | 27.6  | -3.56 | 24.04 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 216@0  | DFT_QPSK   | 26.64 | -3.56 | 23.08 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 108@54 | DFT_QAM16  | 26.73 | -3.56 | 23.17 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 1@1    | DFT_QAM16  | 26.76 | -3.56 | 23.2  | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 1@215  | DFT_QAM16  | 26.58 | -3.56 | 23.02 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 216@0  | DFT_QAM16  | 25.67 | -3.56 | 22.11 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 108@54 | DFT_QAM64  | 25.29 | -3.56 | 21.73 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 1@1    | DFT_QAM64  | 25.38 | -3.56 | 21.82 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 1@215  | DFT_QAM64  | 25.05 | -3.56 | 21.49 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 216@0  | DFT_QAM64  | 25.15 | -3.56 | 21.59 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 108@54 | DFT_QAM256 | 23.24 | -3.56 | 19.68 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 1@1    | DFT_QAM256 | 23.3  | -3.56 | 19.74 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 1@215  | DFT_QAM256 | 23.24 | -3.56 | 19.68 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 216@0  | DFT_QAM256 | 23.15 | -3.56 | 19.59 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 109@54 | CP_QPSK    | 26.14 | -3.56 | 22.58 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 1@1    | CP_QPSK    | 26.01 | -3.56 | 22.45 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 1@215  | CP_QPSK    | 26.08 | -3.56 | 22.52 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 217@0  | CP_QPSK    | 24.72 | -3.56 | 21.16 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 109@54 | CP_QAM16   | 25.63 | -3.56 | 22.07 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 1@1    | CP_QAM16   | 25.94 | -3.56 | 22.38 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 1@215  | CP_QAM16   | 25.46 | -3.56 | 21.9  | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 217@0  | CP_QAM16   | 24.64 | -3.56 | 21.08 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 109@54 | CP_QAM64   | 24.19 | -3.56 | 20.63 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 1@1    | CP_QAM64   | 24.88 | -3.56 | 21.32 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 1@215  | CP_QAM64   | 24.21 | -3.56 | 20.65 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 217@0  | CP_QAM64   | 24.16 | -3.56 | 20.6  | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 109@54 | CP_QAM256  | 21.12 | -3.56 | 17.56 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 1@1    | CP_QAM256  | 21.1  | -3.56 | 17.54 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 1@215  | CP_QAM256  | 21.03 | -3.56 | 17.47 | 33.01 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 217@0  | CP_QAM256  | 21.2  | -3.56 | 17.64 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 120@60 | DFT_BPSK   | 27.66 | -3.56 | 24.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 1@1    | DFT_BPSK   | 27.55 | -3.56 | 23.99 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 1@243  | DFT_BPSK   | 27.51 | -3.56 | 23.95 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 240@0  | DFT_BPSK   | 27.13 | -3.56 | 23.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 120@60 | DFT_QPSK   | 27.7  | -3.56 | 24.14 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 1@1    | DFT_QPSK   | 27.52 | -3.56 | 23.96 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 1@243  | DFT_QPSK   | 27.5  | -3.56 | 23.94 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 240@0  | DFT_QPSK   | 26.68 | -3.56 | 23.12 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 120@60 | DFT_QAM16  | 26.63 | -3.56 | 23.07 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 1@1    | DFT_QAM16  | 26.7  | -3.56 | 23.14 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 1@243  | DFT_QAM16  | 26.48 | -3.56 | 22.92 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 240@0  | DFT_QAM16  | 25.72 | -3.56 | 22.16 | 33.01 | PASS |

|                |    |    |        |        |            |       |       |       |       |      |
|----------------|----|----|--------|--------|------------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 90 | 649668 | 120@60 | DFT_QAM64  | 25.22 | -3.56 | 21.66 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 1@1    | DFT_QAM64  | 25.01 | -3.56 | 21.45 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 1@243  | DFT_QAM64  | 25    | -3.56 | 21.44 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 240@0  | DFT_QAM64  | 25.24 | -3.56 | 21.68 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 120@60 | DFT_QAM256 | 23.23 | -3.56 | 19.67 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 1@1    | DFT_QAM256 | 23.07 | -3.56 | 19.51 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 1@243  | DFT_QAM256 | 23.03 | -3.56 | 19.47 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 240@0  | DFT_QAM256 | 23.14 | -3.56 | 19.58 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 123@61 | CP_QPSK    | 26.14 | -3.56 | 22.58 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 1@1    | CP_QPSK    | 25.97 | -3.56 | 22.41 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 1@243  | CP_QPSK    | 26.03 | -3.56 | 22.47 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 245@0  | CP_QPSK    | 24.65 | -3.56 | 21.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 123@61 | CP_QAM16   | 25.63 | -3.56 | 22.07 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 1@1    | CP_QAM16   | 25.88 | -3.56 | 22.32 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 1@243  | CP_QAM16   | 26.01 | -3.56 | 22.45 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 245@0  | CP_QAM16   | 24.59 | -3.56 | 21.03 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 123@61 | CP_QAM64   | 24.18 | -3.56 | 20.62 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 1@1    | CP_QAM64   | 24.07 | -3.56 | 20.51 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 1@243  | CP_QAM64   | 24.13 | -3.56 | 20.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 245@0  | CP_QAM64   | 24.08 | -3.56 | 20.52 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 123@61 | CP_QAM256  | 21.24 | -3.56 | 17.68 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 1@1    | CP_QAM256  | 20.87 | -3.56 | 17.31 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 1@243  | CP_QAM256  | 20.94 | -3.56 | 17.38 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 245@0  | CP_QAM256  | 21.23 | -3.56 | 17.67 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 120@60 | DFT_BPSK   | 27.65 | -3.56 | 24.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 1@1    | DFT_BPSK   | 27.61 | -3.56 | 24.05 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 1@243  | DFT_BPSK   | 27.56 | -3.56 | 24    | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 240@0  | DFT_BPSK   | 27.2  | -3.56 | 23.64 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 120@60 | DFT_QPSK   | 27.65 | -3.56 | 24.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 1@1    | DFT_QPSK   | 27.51 | -3.56 | 23.95 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 1@243  | DFT_QPSK   | 27.57 | -3.56 | 24.01 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 240@0  | DFT_QPSK   | 26.71 | -3.56 | 23.15 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 120@60 | DFT_QAM16  | 26.66 | -3.56 | 23.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 1@1    | DFT_QAM16  | 26.71 | -3.56 | 23.15 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 1@243  | DFT_QAM16  | 26.68 | -3.56 | 23.12 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 240@0  | DFT_QAM16  | 25.66 | -3.56 | 22.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 120@60 | DFT_QAM64  | 25.18 | -3.56 | 21.62 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 1@1    | DFT_QAM64  | 25.01 | -3.56 | 21.45 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 1@243  | DFT_QAM64  | 25.4  | -3.56 | 21.84 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 240@0  | DFT_QAM64  | 25.2  | -3.56 | 21.64 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 120@60 | DFT_QAM256 | 23.19 | -3.56 | 19.63 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 1@1    | DFT_QAM256 | 23.2  | -3.56 | 19.64 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 1@243  | DFT_QAM256 | 23.13 | -3.56 | 19.57 | 33.01 | PASS |

|                |    |    |        |        |            |       |       |       |       |      |
|----------------|----|----|--------|--------|------------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 90 | 650000 | 240@0  | DFT_QAM256 | 23.21 | -3.56 | 19.65 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 123@61 | CP_QPSK    | 26.15 | -3.56 | 22.59 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 1@1    | CP_QPSK    | 26.02 | -3.56 | 22.46 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 1@243  | CP_QPSK    | 26.03 | -3.56 | 22.47 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 245@0  | CP_QPSK    | 24.65 | -3.56 | 21.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 123@61 | CP_QAM16   | 25.62 | -3.56 | 22.06 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 1@1    | CP_QAM16   | 25.46 | -3.56 | 21.9  | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 1@243  | CP_QAM16   | 25.4  | -3.56 | 21.84 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 245@0  | CP_QAM16   | 24.66 | -3.56 | 21.1  | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 123@61 | CP_QAM64   | 24.15 | -3.56 | 20.59 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 1@1    | CP_QAM64   | 24.76 | -3.56 | 21.2  | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 1@243  | CP_QAM64   | 24.12 | -3.56 | 20.56 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 245@0  | CP_QAM64   | 24.14 | -3.56 | 20.58 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 123@61 | CP_QAM256  | 21.23 | -3.56 | 17.67 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 1@1    | CP_QAM256  | 21.16 | -3.56 | 17.6  | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 1@243  | CP_QAM256  | 21.02 | -3.56 | 17.46 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650000 | 245@0  | CP_QAM256  | 21.26 | -3.56 | 17.7  | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 120@60 | DFT_BPSK   | 27.67 | -3.56 | 24.11 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 1@1    | DFT_BPSK   | 27.52 | -3.56 | 23.96 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 1@243  | DFT_BPSK   | 27.63 | -3.56 | 24.07 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 240@0  | DFT_BPSK   | 27.16 | -3.56 | 23.6  | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 120@60 | DFT_QPSK   | 27.65 | -3.56 | 24.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 1@1    | DFT_QPSK   | 27.55 | -3.56 | 23.99 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 1@243  | DFT_QPSK   | 27.6  | -3.56 | 24.04 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 240@0  | DFT_QPSK   | 26.69 | -3.56 | 23.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 120@60 | DFT_QAM16  | 26.71 | -3.56 | 23.15 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 1@1    | DFT_QAM16  | 26.6  | -3.56 | 23.04 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 1@243  | DFT_QAM16  | 26.75 | -3.56 | 23.19 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 240@0  | DFT_QAM16  | 25.7  | -3.56 | 22.14 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 120@60 | DFT_QAM64  | 25.18 | -3.56 | 21.62 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 1@1    | DFT_QAM64  | 24.99 | -3.56 | 21.43 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 1@243  | DFT_QAM64  | 25.02 | -3.56 | 21.46 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 240@0  | DFT_QAM64  | 25.16 | -3.56 | 21.6  | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 120@60 | DFT_QAM256 | 23.3  | -3.56 | 19.74 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 1@1    | DFT_QAM256 | 23.07 | -3.56 | 19.51 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 1@243  | DFT_QAM256 | 23.26 | -3.56 | 19.7  | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 240@0  | DFT_QAM256 | 23.23 | -3.56 | 19.67 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 123@61 | CP_QPSK    | 26.13 | -3.56 | 22.57 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 1@1    | CP_QPSK    | 26.04 | -3.56 | 22.48 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 1@243  | CP_QPSK    | 26.08 | -3.56 | 22.52 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 245@0  | CP_QPSK    | 24.63 | -3.56 | 21.07 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 123@61 | CP_QAM16   | 25.63 | -3.56 | 22.07 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90 | 650332 | 1@1    | CP_QAM16   | 25.42 | -3.56 | 21.86 | 33.01 | PASS |

|                |    |     |        |        |            |       |       |       |       |      |
|----------------|----|-----|--------|--------|------------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 90  | 650332 | 1@243  | CP_QAM16   | 26.05 | -3.56 | 22.49 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90  | 650332 | 245@0  | CP_QAM16   | 24.65 | -3.56 | 21.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90  | 650332 | 123@61 | CP_QAM64   | 24.1  | -3.56 | 20.54 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90  | 650332 | 1@1    | CP_QAM64   | 24.65 | -3.56 | 21.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90  | 650332 | 1@243  | CP_QAM64   | 25    | -3.56 | 21.44 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90  | 650332 | 245@0  | CP_QAM64   | 24.15 | -3.56 | 20.59 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90  | 650332 | 123@61 | CP_QAM256  | 21.24 | -3.56 | 17.68 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90  | 650332 | 1@1    | CP_QAM256  | 21.07 | -3.56 | 17.51 | 33.01 | PASS |
| n78(3700-3800) | 30 | 90  | 650332 | 1@243  | CP_QAM256  | 21.06 | -3.56 | 17.5  | 33.01 | PASS |
| n78(3700-3800) | 30 | 90  | 650332 | 245@0  | CP_QAM256  | 21.2  | -3.56 | 17.64 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 135@67 | DFT_BPSK   | 27.58 | -3.56 | 24.02 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 1@1    | DFT_BPSK   | 27.45 | -3.56 | 23.89 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 1@271  | DFT_BPSK   | 27.48 | -3.56 | 23.92 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 270@0  | DFT_BPSK   | 27.07 | -3.56 | 23.51 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 135@67 | DFT_QPSK   | 27.64 | -3.56 | 24.08 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 1@1    | DFT_QPSK   | 27.37 | -3.56 | 23.81 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 1@271  | DFT_QPSK   | 27.53 | -3.56 | 23.97 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 270@0  | DFT_QPSK   | 26.71 | -3.56 | 23.15 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 135@67 | DFT_QAM16  | 26.63 | -3.56 | 23.07 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 1@1    | DFT_QAM16  | 26.49 | -3.56 | 22.93 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 1@271  | DFT_QAM16  | 26.65 | -3.56 | 23.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 270@0  | DFT_QAM16  | 25.69 | -3.56 | 22.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 135@67 | DFT_QAM64  | 25.16 | -3.56 | 21.6  | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 1@1    | DFT_QAM64  | 25.32 | -3.56 | 21.76 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 1@271  | DFT_QAM64  | 25.32 | -3.56 | 21.76 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 270@0  | DFT_QAM64  | 25.2  | -3.56 | 21.64 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 135@67 | DFT_QAM256 | 23.18 | -3.56 | 19.62 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 1@1    | DFT_QAM256 | 23.21 | -3.56 | 19.65 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 1@271  | DFT_QAM256 | 23.29 | -3.56 | 19.73 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 270@0  | DFT_QAM256 | 23.21 | -3.56 | 19.65 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 137@68 | CP_QPSK    | 26.09 | -3.56 | 22.53 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 1@1    | CP_QPSK    | 25.94 | -3.56 | 22.38 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 1@271  | CP_QPSK    | 25.97 | -3.56 | 22.41 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 273@0  | CP_QPSK    | 24.69 | -3.56 | 21.13 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 137@68 | CP_QAM16   | 25.62 | -3.56 | 22.06 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 1@1    | CP_QAM16   | 25.29 | -3.56 | 21.73 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 1@271  | CP_QAM16   | 25.95 | -3.56 | 22.39 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 273@0  | CP_QAM16   | 24.6  | -3.56 | 21.04 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 137@68 | CP_QAM64   | 24.2  | -3.56 | 20.64 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 1@1    | CP_QAM64   | 24.65 | -3.56 | 21.09 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 1@271  | CP_QAM64   | 24.06 | -3.56 | 20.5  | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 273@0  | CP_QAM64   | 24.15 | -3.56 | 20.59 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 137@68 | CP_QAM256  | 21.25 | -3.56 | 17.69 | 33.01 | PASS |

|                |    |     |        |       |           |       |       |       |       |      |
|----------------|----|-----|--------|-------|-----------|-------|-------|-------|-------|------|
| n78(3700-3800) | 30 | 100 | 650000 | 1@1   | CP_QAM256 | 21.1  | -3.56 | 17.54 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 1@271 | CP_QAM256 | 20.98 | -3.56 | 17.42 | 33.01 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 273@0 | CP_QAM256 | 21.24 | -3.56 | 17.68 | 33.01 | PASS |

### 2 Frequency stability for NR FR1

NT:

| Band           | SCS<br>(kHz) | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Allocation | Modulation | Voltage<br>(Vdc) | Result(Hz) | Result<br>(ppm) | Limit<br>(ppm)                                   | Verdict |
|----------------|--------------|--------------------|---------------|------------------|------------|------------------|------------|-----------------|--------------------------------------------------|---------|
| n78(3700-3800) | 30           | 100                | 650000        | 135@67           | DFT_BPSK   | 3.91             | -9.28      | 0.00            | Within<br>authorized<br>band for<br>5G NR<br>n78 | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 135@67           | DFT_BPSK   | 3.45             | -11.17     | 0.00            |                                                  | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 135@67           | DFT_BPSK   | 4.50             | -4.90      | 0.00            |                                                  | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 135@67           | DFT_QPSK   | 3.91             | -7.98      | 0.00            |                                                  | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 135@67           | DFT_QPSK   | 3.45             | -7.41      | 0.00            |                                                  | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 135@67           | DFT_QPSK   | 4.50             | -11.09     | 0.00            |                                                  | PASS    |

Note: Only the worst case shown in the report.

NV:

| Band           | SCS<br>(kHz) | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Allocation | Modulation | Voltage<br>(Vdc) | Result(Hz) | Result<br>(ppm) | Limit<br>(ppm)                                   | Verdict |
|----------------|--------------|--------------------|---------------|------------------|------------|------------------|------------|-----------------|--------------------------------------------------|---------|
| n78(3700-3800) | 30           | 100                | 650000        | 135@67           | DFT_BPSK   | -30              | -13.07     | 0.00            | Within<br>authorized<br>band for<br>5G NR<br>n78 | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 135@67           | DFT_BPSK   | -20              | -11.39     | 0.00            |                                                  | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 135@67           | DFT_BPSK   | -10              | -12.11     | 0.00            |                                                  | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 135@67           | DFT_BPSK   | 0                | -10.41     | 0.00            |                                                  | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 135@67           | DFT_BPSK   | 10               | -13.01     | 0.00            |                                                  | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 135@67           | DFT_BPSK   | 20               | -10.83     | 0.00            |                                                  | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 135@67           | DFT_BPSK   | 30               | -12.7      | 0.00            |                                                  | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 135@67           | DFT_BPSK   | 40               | -9.24      | 0.00            |                                                  | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 135@67           | DFT_BPSK   | 50               | -9.09      | 0.00            |                                                  | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 135@67           | DFT_QPSK   | -30              | -10.64     | 0.00            |                                                  | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 135@67           | DFT_QPSK   | -20              | -12.64     | 0.00            |                                                  | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 135@67           | DFT_QPSK   | -10              | -9.27      | 0.00            |                                                  | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 135@67           | DFT_QPSK   | 0                | -8.95      | 0.00            |                                                  | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 135@67           | DFT_QPSK   | 10               | -10.94     | 0.00            |                                                  | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 135@67           | DFT_QPSK   | 20               | -13.15     | 0.00            |                                                  | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 135@67           | DFT_QPSK   | 30               | -12.73     | 0.00            |                                                  | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 135@67           | DFT_QPSK   | 40               | -10.17     | 0.00            |                                                  | PASS    |
| n78(3700-3800) | 30           | 100                | 650000        | 135@67           | DFT_QPSK   | 50               | -12.66     | 0.00            |                                                  | PASS    |

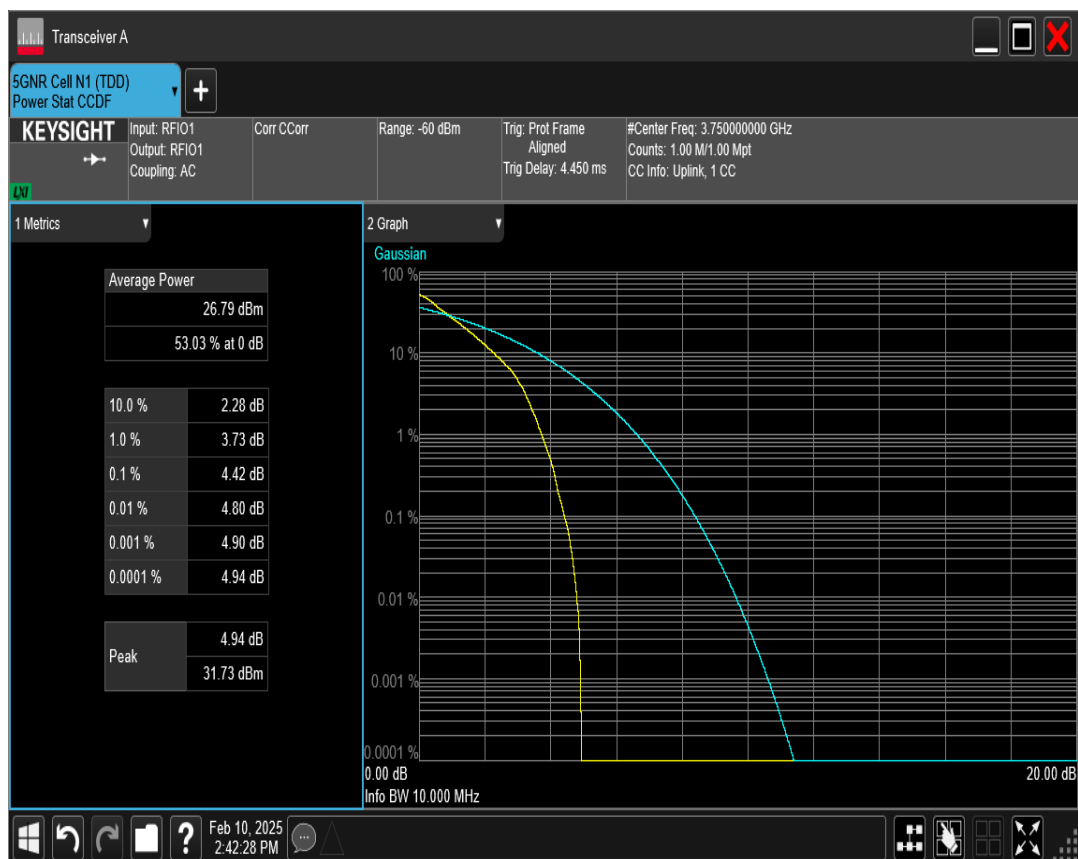
Note: Only the worst case shown in the report.

### 3 Peak-to-Average Ratio for NR FR1

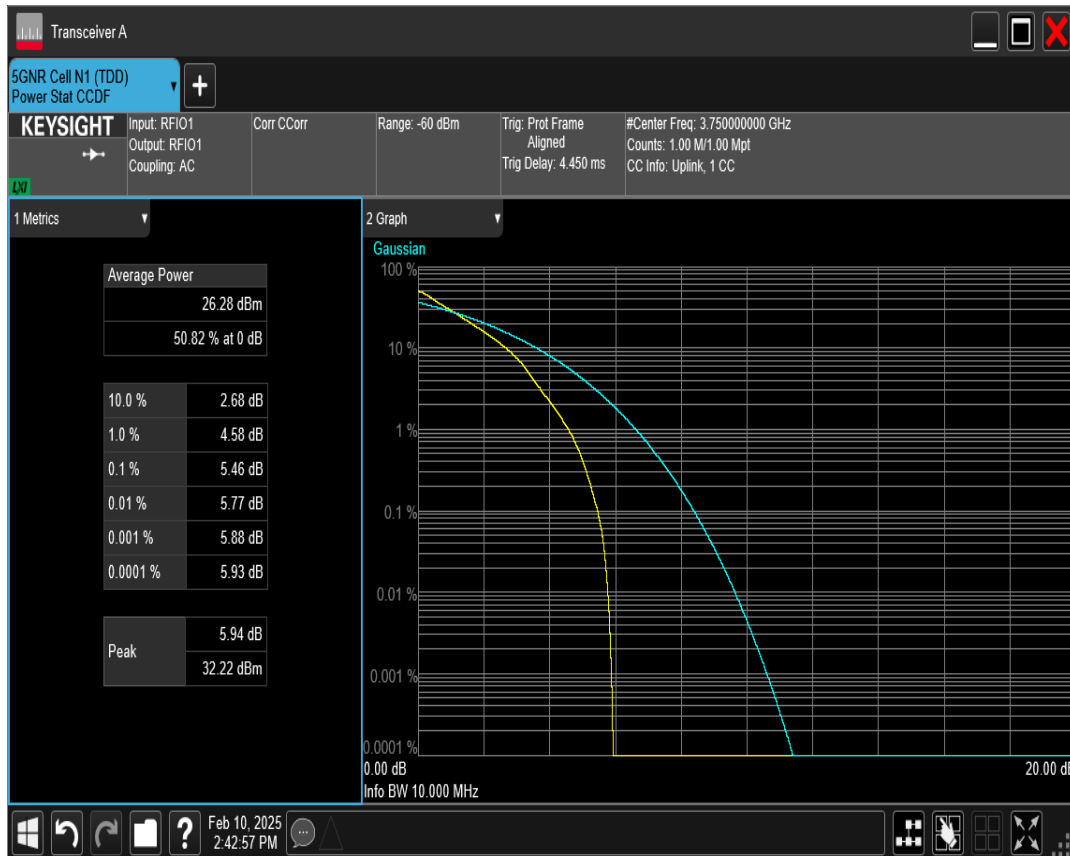
| Band           | SCS<br>(kHz) | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Allocation | Modulation | Result<br>(dB) | high Limit<br>(dB) | Verdict |
|----------------|--------------|--------------------|---------------|------------------|------------|----------------|--------------------|---------|
| n78(3700-3800) | 30           | 10                 | 650000        | 24@0             | DFT_BPSK   | 4.42           | 13                 | PASS    |
| n78(3700-3800) | 30           | 10                 | 650000        | 24@0             | DFT_QPSK   | 5.46           | 13                 | PASS    |
| n78(3700-3800) | 30           | 10                 | 650000        | 24@0             | DFT_QAM16  | 6.21           | 13                 | PASS    |
| n78(3700-3800) | 30           | 10                 | 650000        | 24@0             | DFT_QAM64  | 6.60           | 13                 | PASS    |
| n78(3700-3800) | 30           | 10                 | 650000        | 24@0             | DFT_QAM256 | 7.03           | 13                 | PASS    |
| n78(3700-3800) | 30           | 15                 | 650000        | 36@0             | DFT_BPSK   | 4.34           | 13                 | PASS    |
| n78(3700-3800) | 30           | 15                 | 650000        | 36@0             | DFT_QPSK   | 5.46           | 13                 | PASS    |
| n78(3700-3800) | 30           | 15                 | 650000        | 36@0             | DFT_QAM16  | 6.17           | 13                 | PASS    |
| n78(3700-3800) | 30           | 15                 | 650000        | 36@0             | DFT_QAM64  | 6.48           | 13                 | PASS    |
| n78(3700-3800) | 30           | 15                 | 650000        | 36@0             | DFT_QAM256 | 6.84           | 13                 | PASS    |
| n78(3700-3800) | 30           | 20                 | 650000        | 50@0             | DFT_BPSK   | 4.36           | 13                 | PASS    |
| n78(3700-3800) | 30           | 20                 | 650000        | 50@0             | DFT_QPSK   | 5.46           | 13                 | PASS    |
| n78(3700-3800) | 30           | 20                 | 650000        | 50@0             | DFT_QAM16  | 6.13           | 13                 | PASS    |
| n78(3700-3800) | 30           | 20                 | 650000        | 50@0             | DFT_QAM64  | 6.57           | 13                 | PASS    |
| n78(3700-3800) | 30           | 20                 | 650000        | 50@0             | DFT_QAM256 | 6.91           | 13                 | PASS    |
| n78(3700-3800) | 30           | 30                 | 650000        | 75@0             | DFT_BPSK   | 4.35           | 13                 | PASS    |
| n78(3700-3800) | 30           | 30                 | 650000        | 75@0             | DFT_QPSK   | 5.43           | 13                 | PASS    |
| n78(3700-3800) | 30           | 30                 | 650000        | 75@0             | DFT_QAM16  | 6.29           | 13                 | PASS    |
| n78(3700-3800) | 30           | 30                 | 650000        | 75@0             | DFT_QAM64  | 6.57           | 13                 | PASS    |
| n78(3700-3800) | 30           | 30                 | 650000        | 75@0             | DFT_QAM256 | 6.99           | 13                 | PASS    |
| n78(3700-3800) | 30           | 40                 | 650000        | 100@0            | DFT_BPSK   | 4.43           | 13                 | PASS    |
| n78(3700-3800) | 30           | 40                 | 650000        | 100@0            | DFT_QPSK   | 5.53           | 13                 | PASS    |
| n78(3700-3800) | 30           | 40                 | 650000        | 100@0            | DFT_QAM16  | 6.33           | 13                 | PASS    |
| n78(3700-3800) | 30           | 40                 | 650000        | 100@0            | DFT_QAM64  | 6.49           | 13                 | PASS    |
| n78(3700-3800) | 30           | 40                 | 650000        | 100@0            | DFT_QAM256 | 6.93           | 13                 | PASS    |
| n78(3700-3800) | 30           | 50                 | 650000        | 128@0            | DFT_BPSK   | 4.74           | 13                 | PASS    |
| n78(3700-3800) | 30           | 50                 | 650000        | 128@0            | DFT_QPSK   | 5.52           | 13                 | PASS    |
| n78(3700-3800) | 30           | 50                 | 650000        | 128@0            | DFT_QAM16  | 6.23           | 13                 | PASS    |
| n78(3700-3800) | 30           | 50                 | 650000        | 128@0            | DFT_QAM64  | 6.45           | 13                 | PASS    |
| n78(3700-3800) | 30           | 50                 | 650000        | 128@0            | DFT_QAM256 | 6.99           | 13                 | PASS    |
| n78(3700-3800) | 30           | 60                 | 650000        | 162@0            | DFT_BPSK   | 4.46           | 13                 | PASS    |
| n78(3700-3800) | 30           | 60                 | 650000        | 162@0            | DFT_QPSK   | 5.57           | 13                 | PASS    |
| n78(3700-3800) | 30           | 60                 | 650000        | 162@0            | DFT_QAM16  | 6.39           | 13                 | PASS    |
| n78(3700-3800) | 30           | 60                 | 650000        | 162@0            | DFT_QAM64  | 6.59           | 13                 | PASS    |
| n78(3700-3800) | 30           | 60                 | 650000        | 162@0            | DFT_QAM256 | 6.99           | 13                 | PASS    |
| n78(3700-3800) | 30           | 70                 | 650000        | 180@0            | DFT_BPSK   | 4.70           | 13                 | PASS    |
| n78(3700-3800) | 30           | 70                 | 650000        | 180@0            | DFT_QPSK   | 5.79           | 13                 | PASS    |
| n78(3700-3800) | 30           | 70                 | 650000        | 180@0            | DFT_QAM16  | 6.48           | 13                 | PASS    |
| n78(3700-3800) | 30           | 70                 | 650000        | 180@0            | DFT_QAM64  | 6.71           | 13                 | PASS    |

|                |    |     |        |       |            |      |    |      |
|----------------|----|-----|--------|-------|------------|------|----|------|
| n78(3700-3800) | 30 | 70  | 650000 | 180@0 | DFT_QAM256 | 6.98 | 13 | PASS |
| n78(3700-3800) | 30 | 80  | 650000 | 216@0 | DFT_BPSK   | 4.56 | 13 | PASS |
| n78(3700-3800) | 30 | 80  | 650000 | 216@0 | DFT_QPSK   | 5.63 | 13 | PASS |
| n78(3700-3800) | 30 | 80  | 650000 | 216@0 | DFT_QAM16  | 6.43 | 13 | PASS |
| n78(3700-3800) | 30 | 80  | 650000 | 216@0 | DFT_QAM64  | 6.60 | 13 | PASS |
| n78(3700-3800) | 30 | 80  | 650000 | 216@0 | DFT_QAM256 | 6.89 | 13 | PASS |
| n78(3700-3800) | 30 | 90  | 650000 | 240@0 | DFT_BPSK   | 4.57 | 13 | PASS |
| n78(3700-3800) | 30 | 90  | 650000 | 240@0 | DFT_QPSK   | 5.71 | 13 | PASS |
| n78(3700-3800) | 30 | 90  | 650000 | 240@0 | DFT_QAM16  | 6.37 | 13 | PASS |
| n78(3700-3800) | 30 | 90  | 650000 | 240@0 | DFT_QAM64  | 6.57 | 13 | PASS |
| n78(3700-3800) | 30 | 90  | 650000 | 240@0 | DFT_QAM256 | 6.94 | 13 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 270@0 | DFT_BPSK   | 4.77 | 13 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 270@0 | DFT_QPSK   | 5.71 | 13 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 270@0 | DFT_QAM16  | 6.48 | 13 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 270@0 | DFT_QAM64  | 6.80 | 13 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 270@0 | DFT_QAM256 | 6.93 | 13 | PASS |

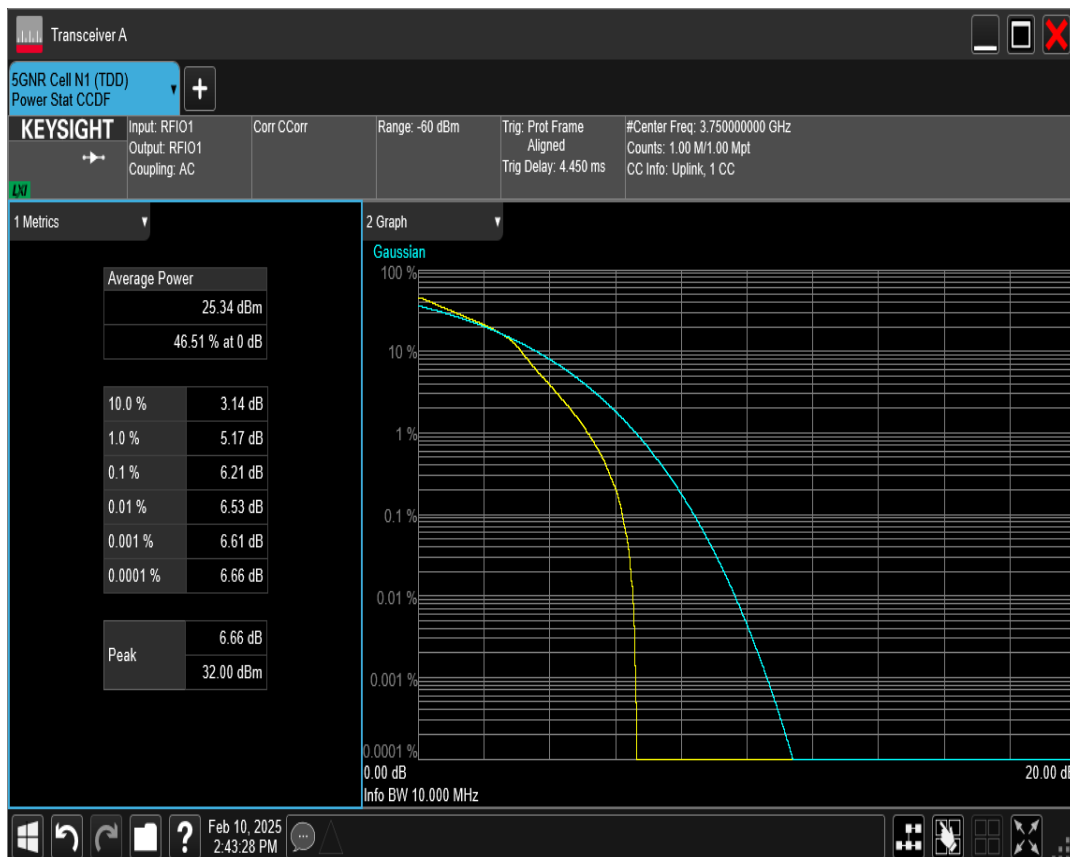
n78(3700-3800) SCS=30kHz DFT\_BPSK BW=10MHz Channel=650000 RB=24@0



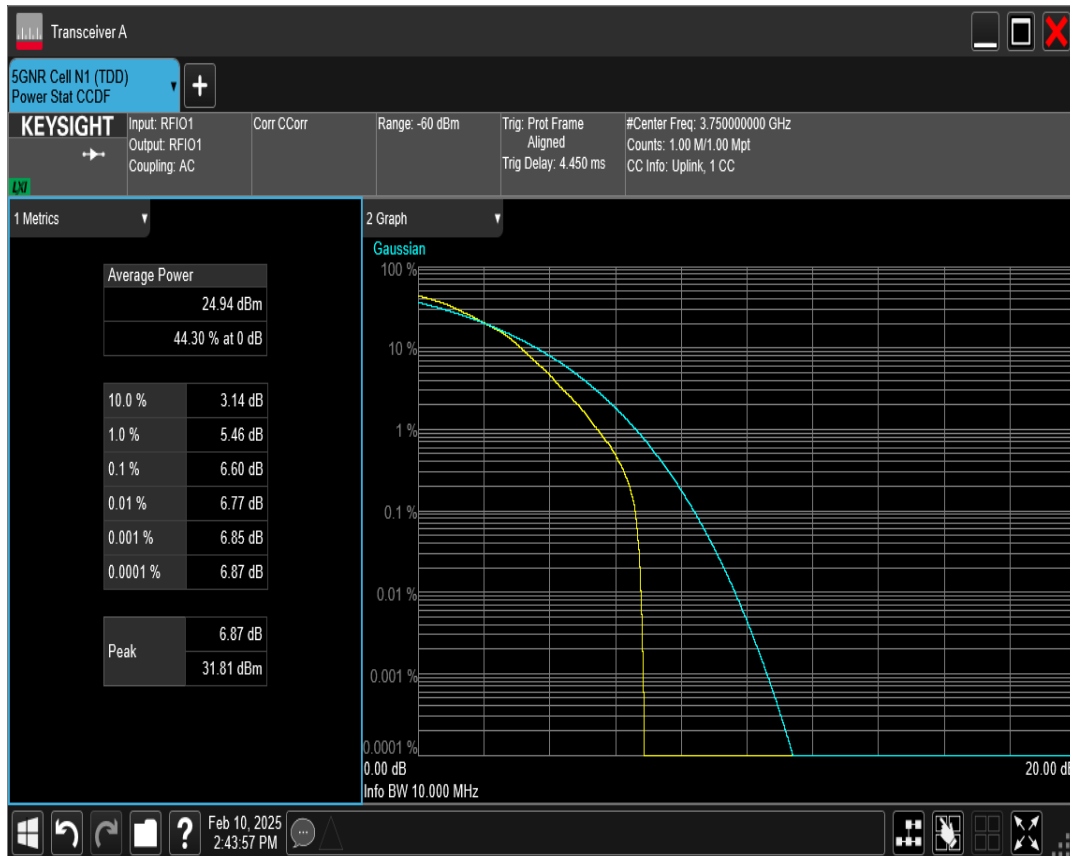
n78(3700-3800) SCS=30kHz DFT\_QPSK BW=10MHz Channel=650000 RB=24@0



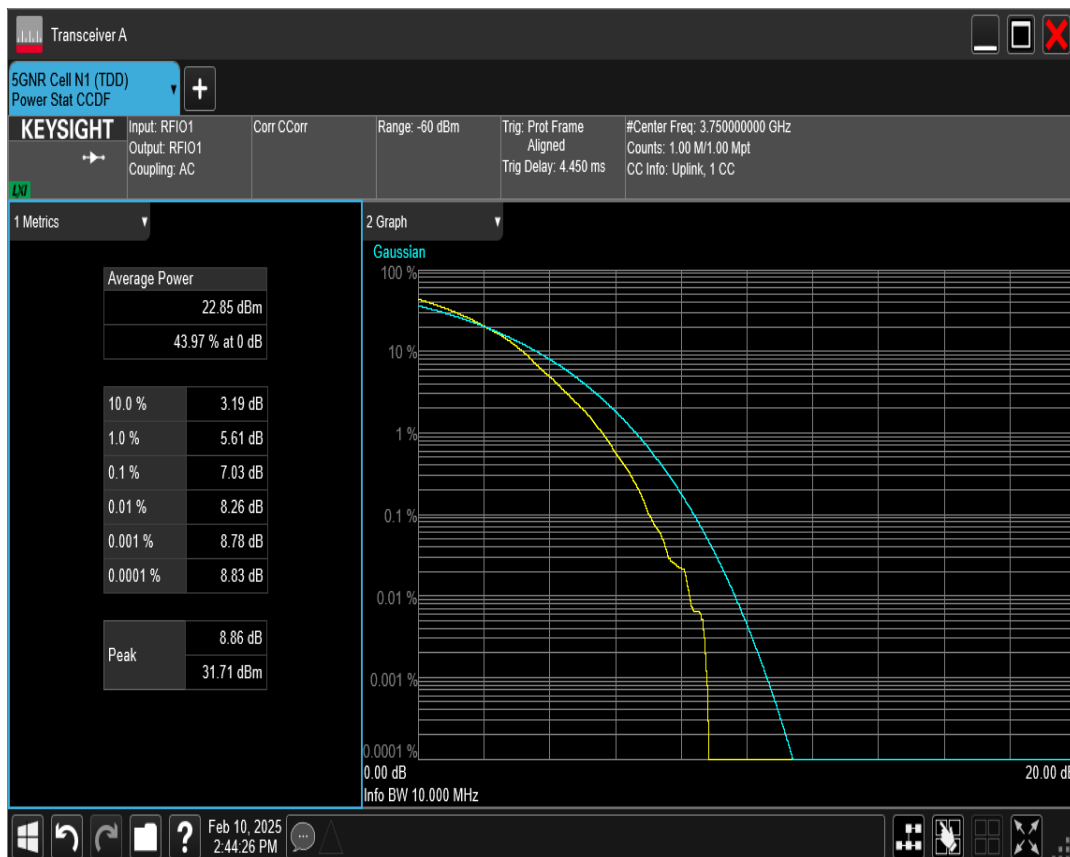
n78(3700-3800) SCS=30kHz DFT\_QAM16 BW=10MHz Channel=650000 RB=24@0



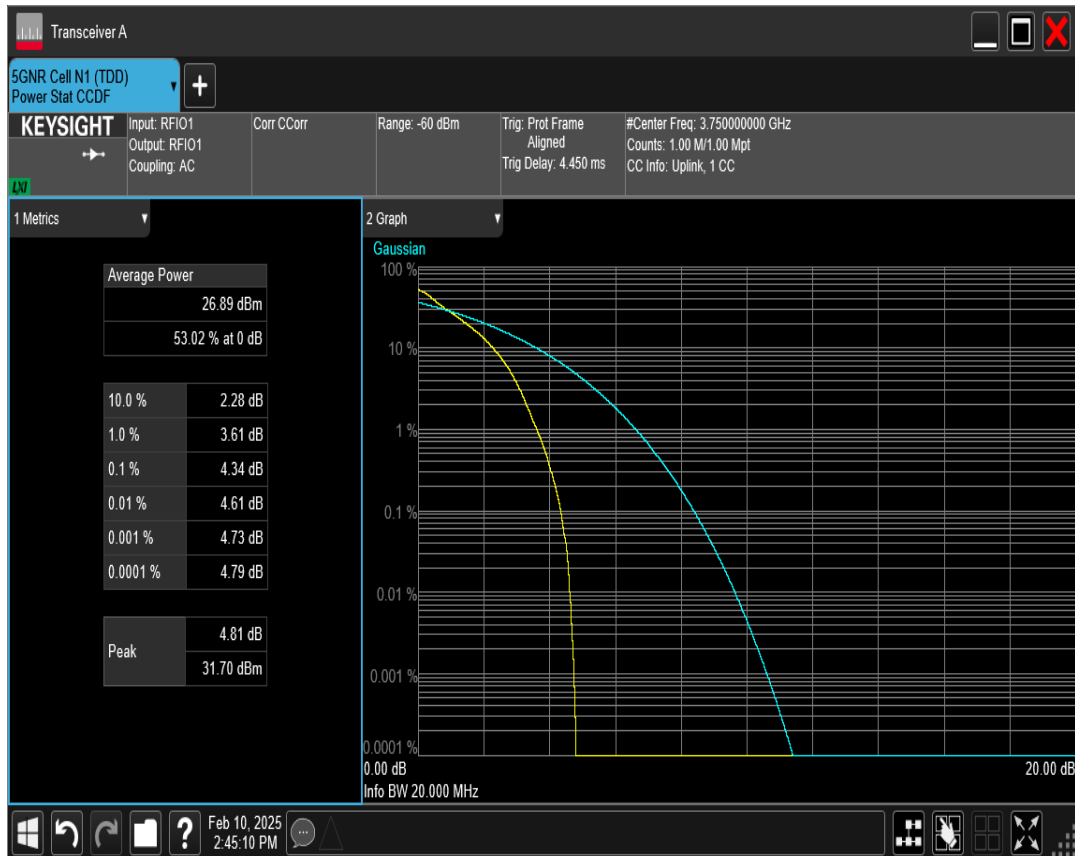
n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=10MHz Channel=650000 RB=24@0



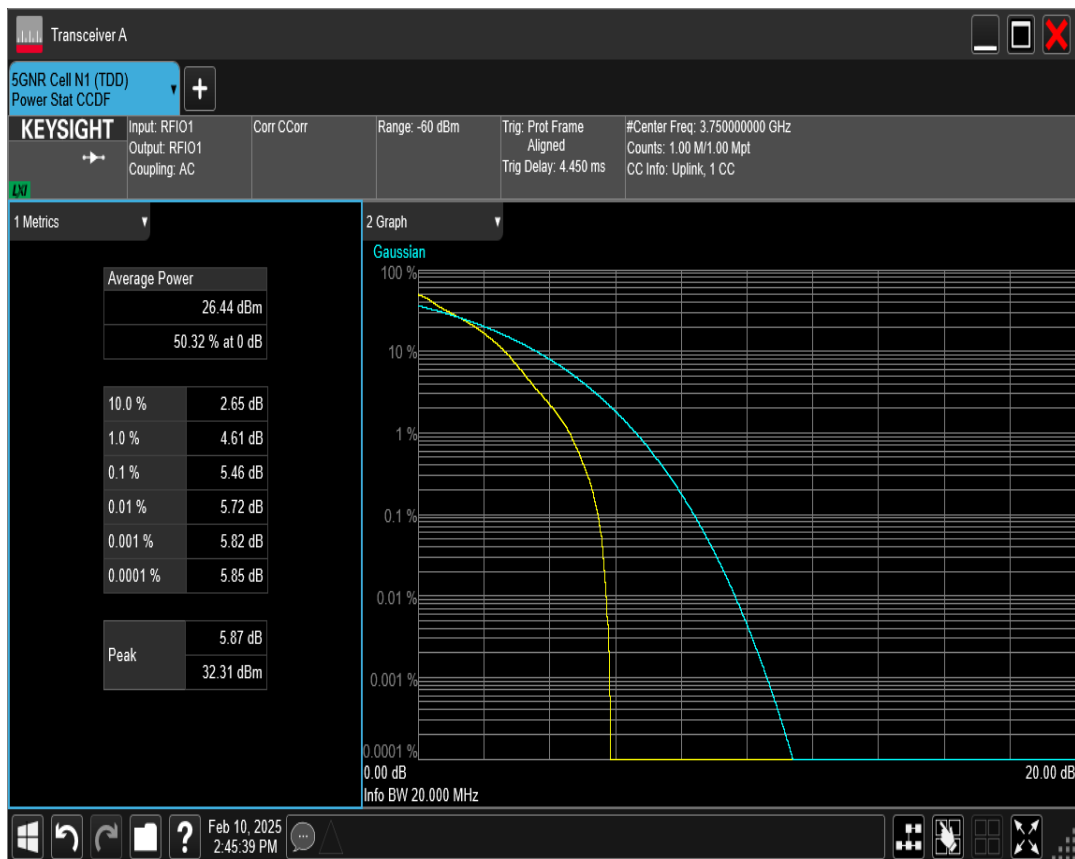
n78(3700-3800) SCS=30kHz DFT\_QAM256 BW=10MHz Channel=650000 RB=24@0



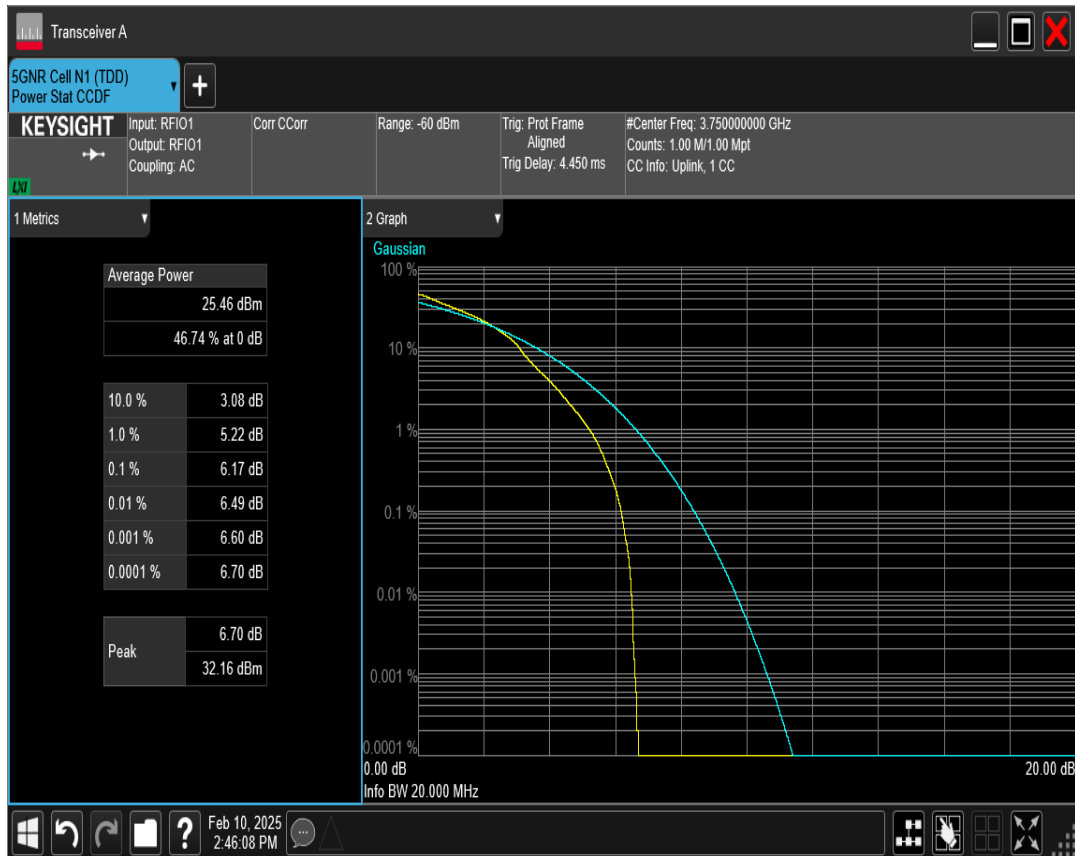
n78(3700-3800) SCS=30kHz DFT\_BPSK BW=15MHz Channel=650000 RB=36@0



n78(3700-3800) SCS=30kHz DFT\_QPSK BW=15MHz Channel=650000 RB=36@0



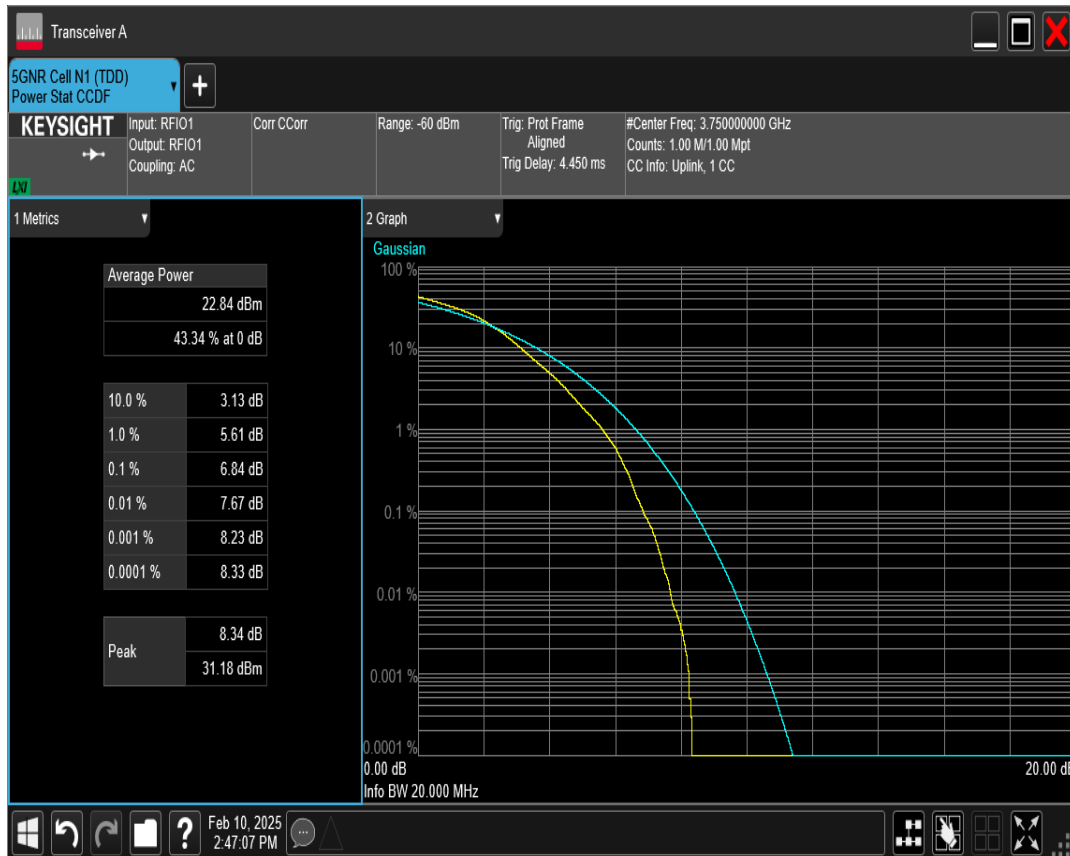
n78(3700-3800) SCS=30kHz DFT\_QAM16 BW=15MHz Channel=650000 RB=36@0



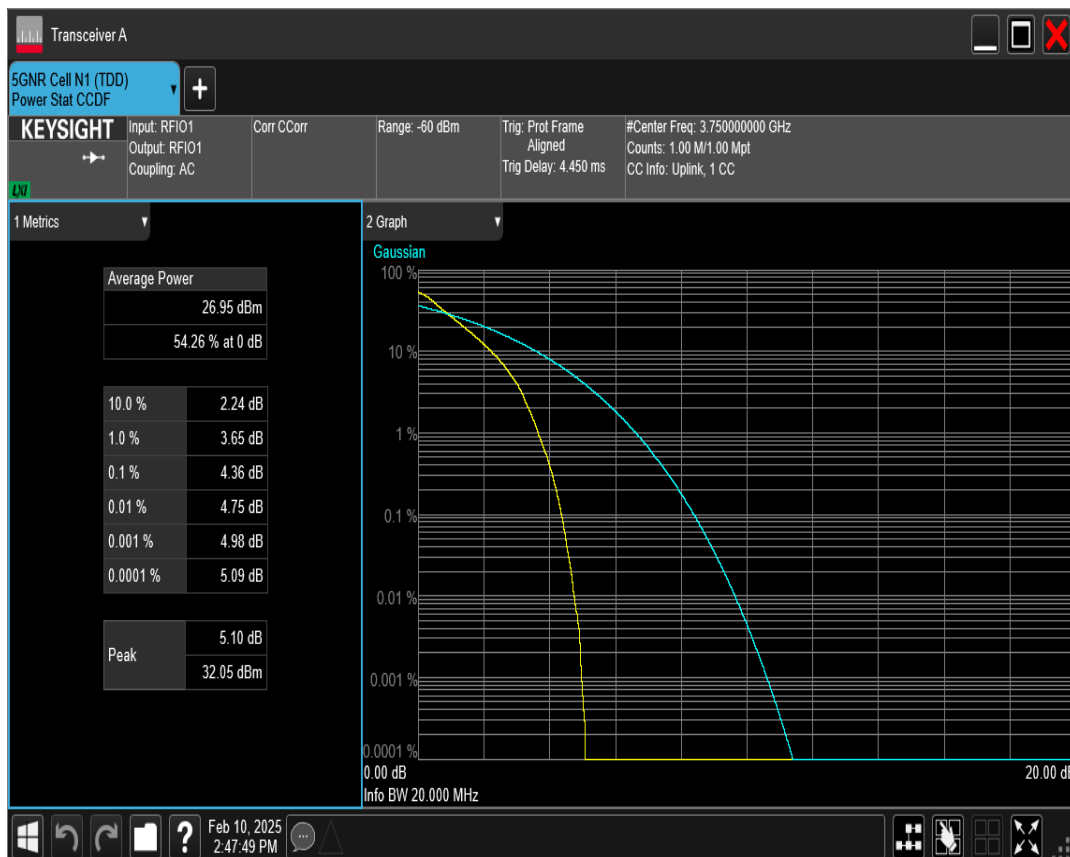
n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=15MHz Channel=650000 RB=36@0



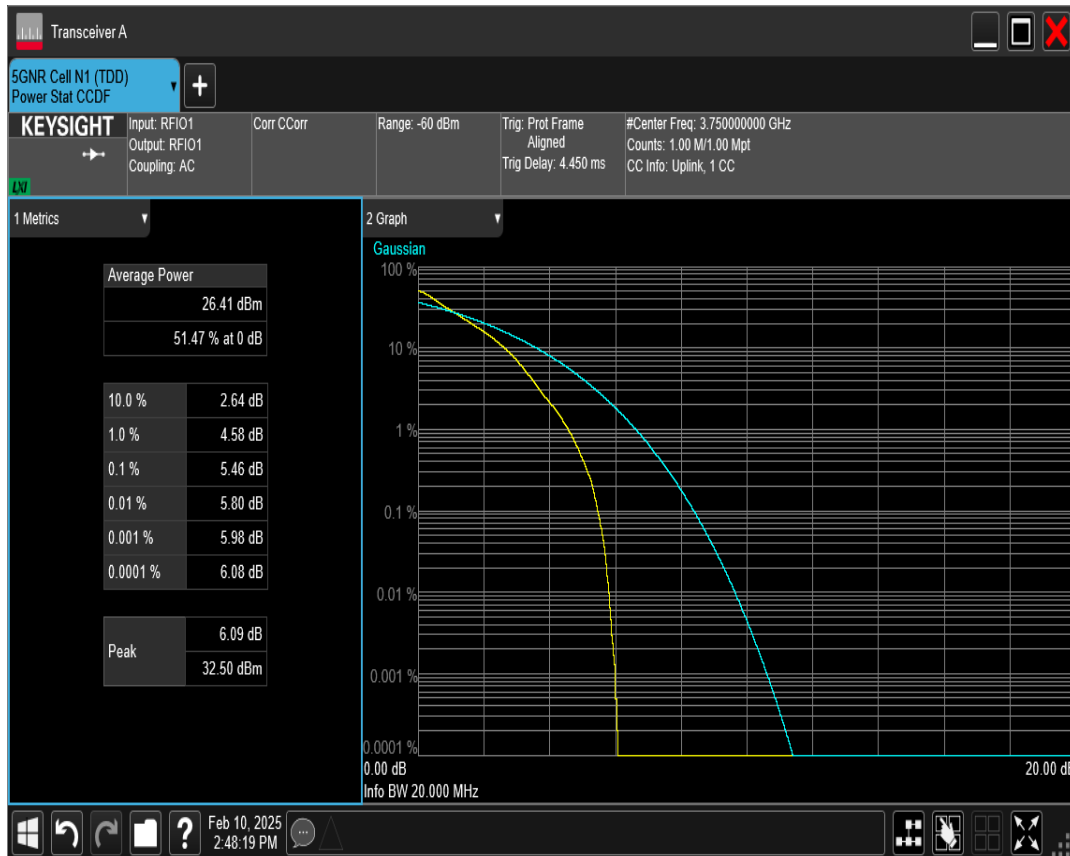
n78(3700-3800) SCS=30kHz DFT\_QAM256 BW=15MHz Channel=650000 RB=36@0



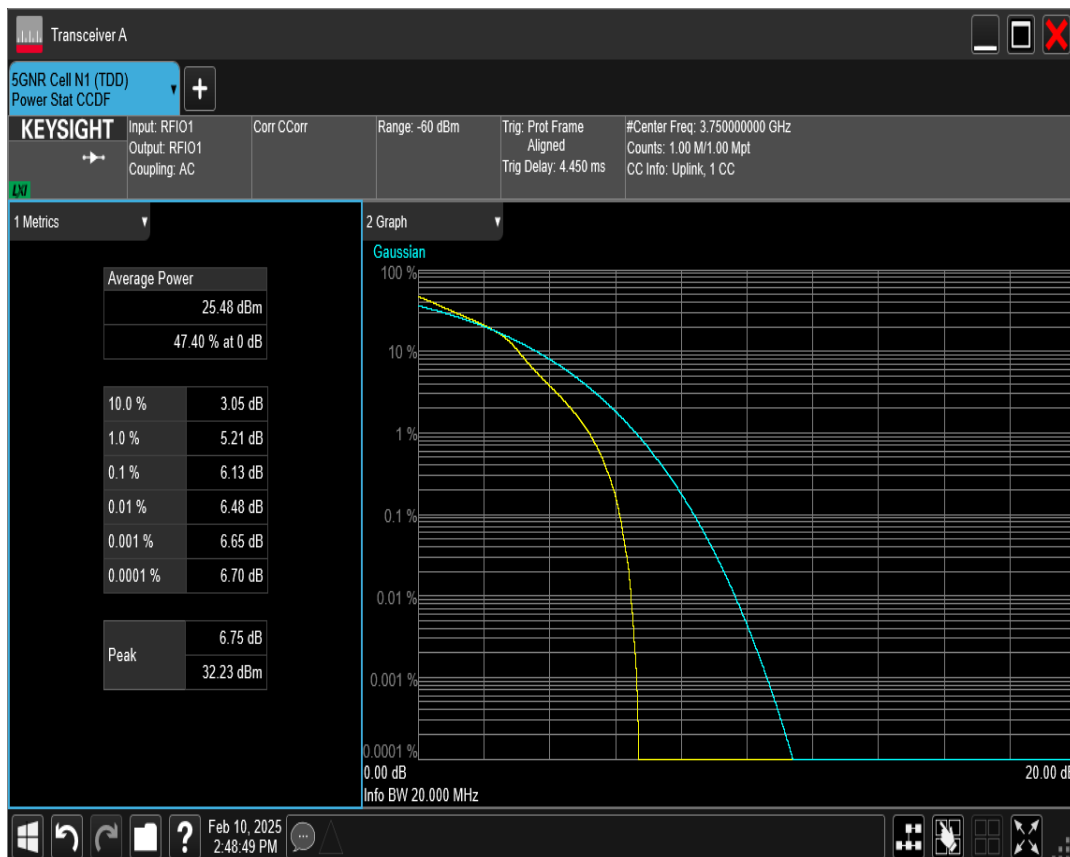
n78(3700-3800) SCS=30kHz DFT\_BPSK BW=20MHz Channel=650000 RB=50@0



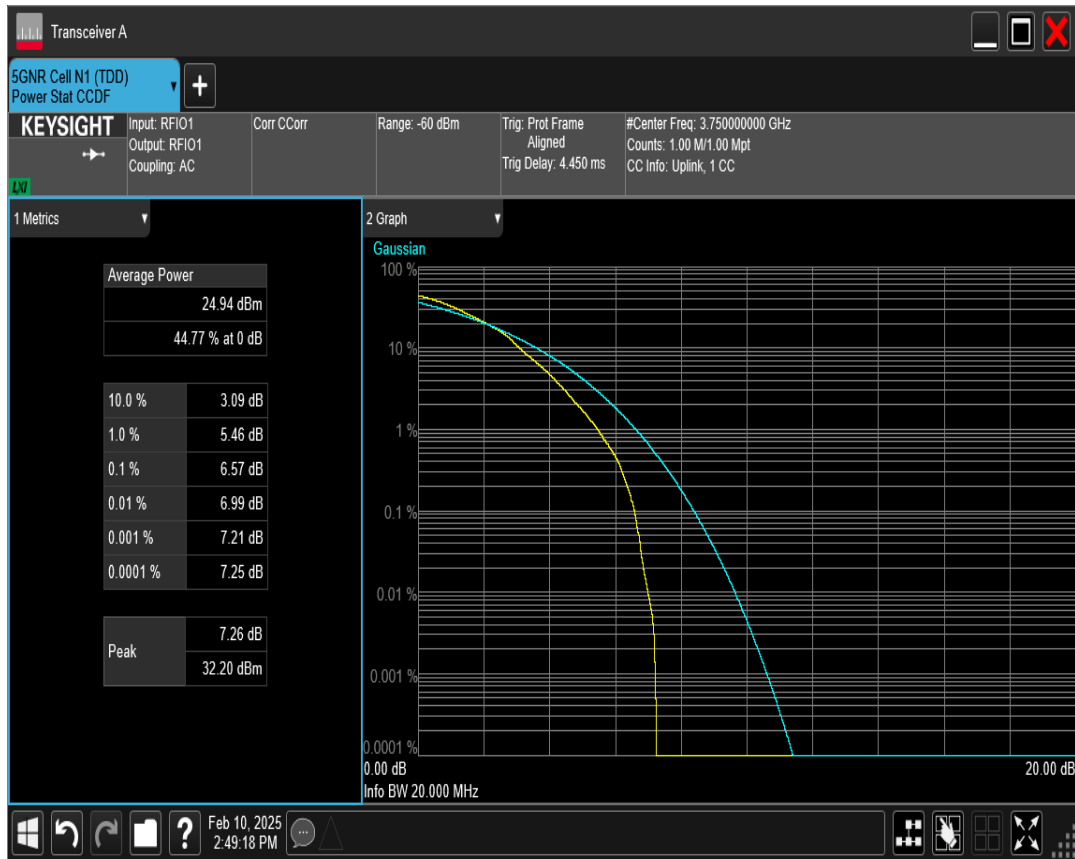
n78(3700-3800) SCS=30kHz DFT\_QPSK BW=20MHz Channel=650000 RB=50@0



n78(3700-3800) SCS=30kHz DFT\_QAM16 BW=20MHz Channel=650000 RB=50@0



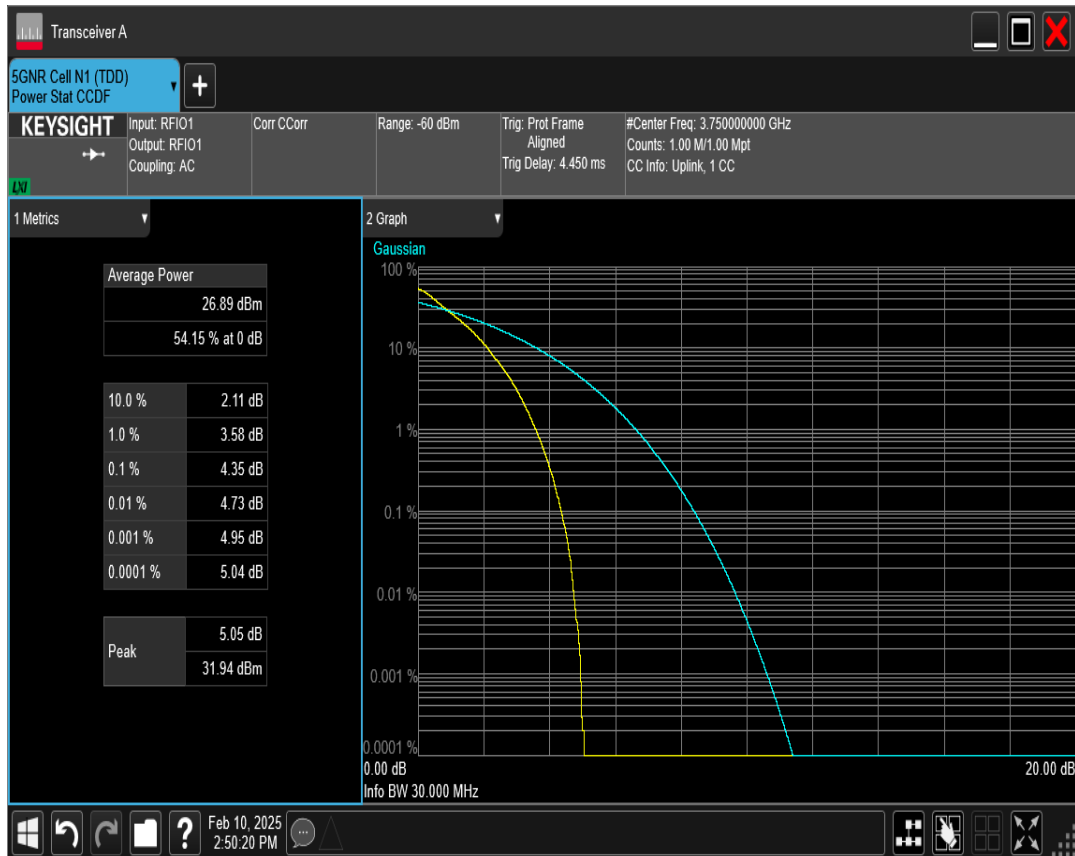
n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=20MHz Channel=650000 RB=50@0



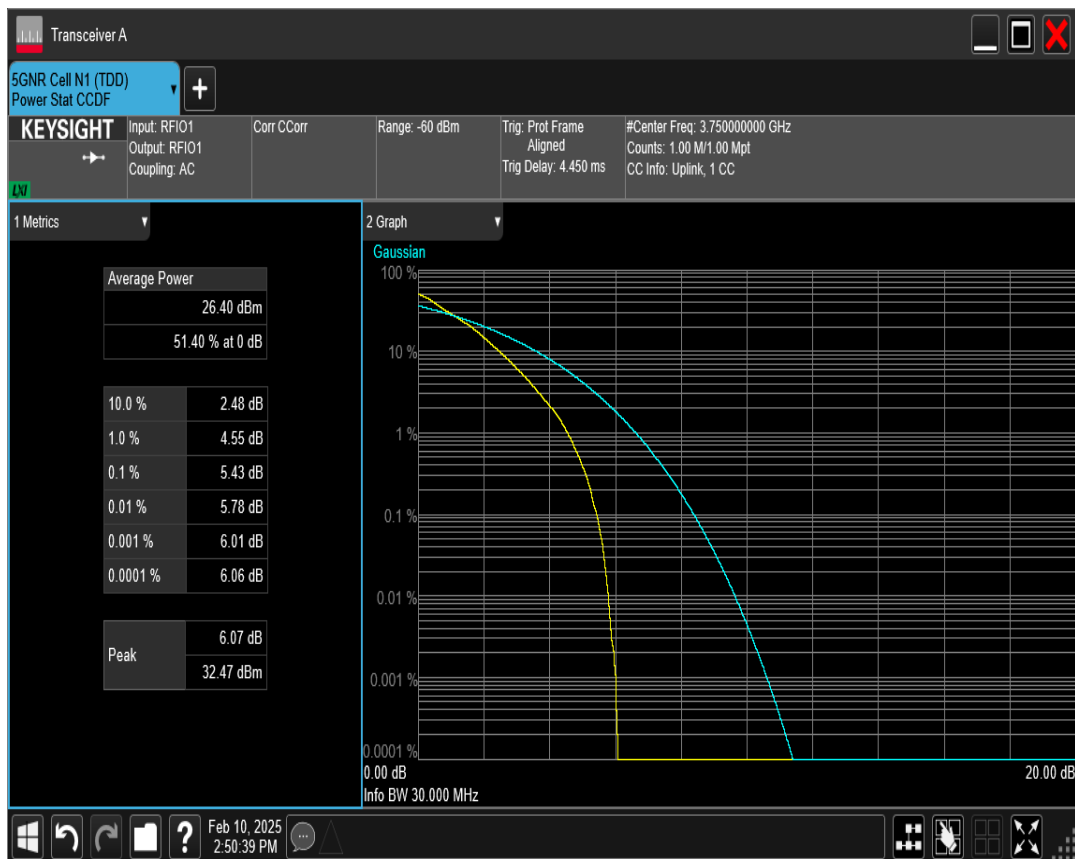
n78(3700-3800) SCS=30kHz DFT\_QAM256 BW=20MHz Channel=650000 RB=50@0



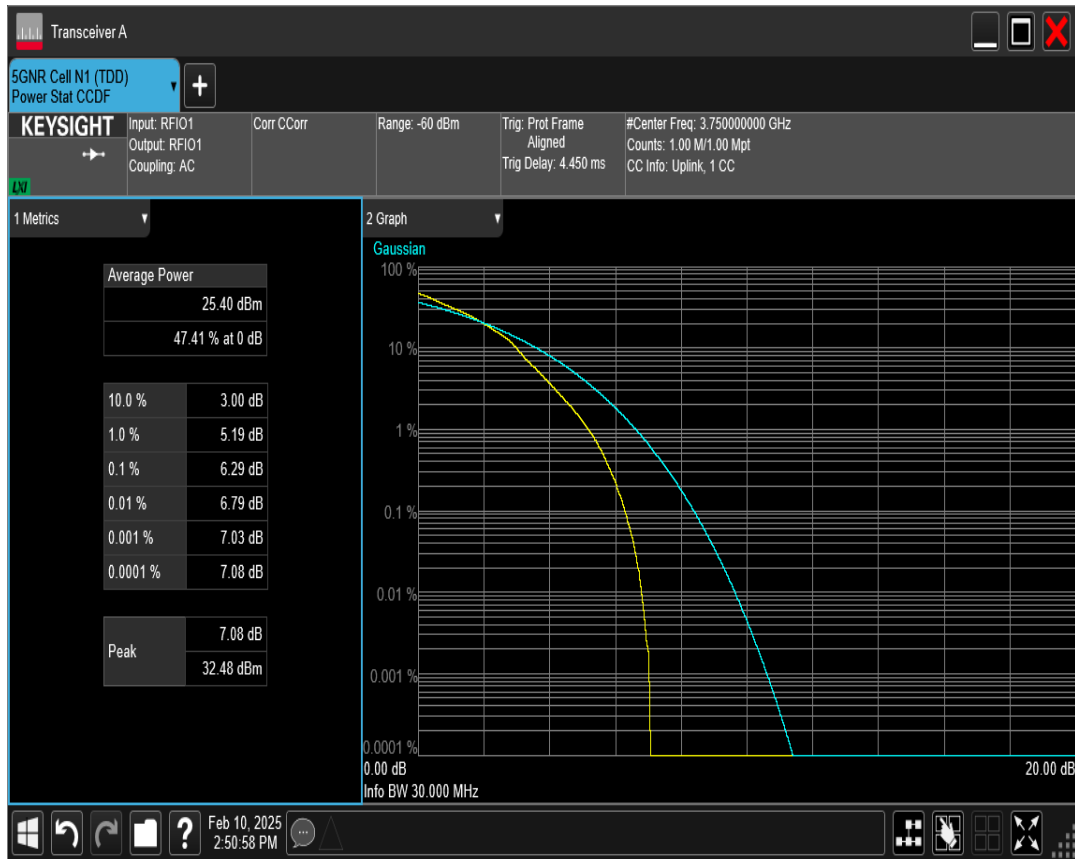
n78(3700-3800) SCS=30kHz DFT\_BPSK BW=30MHz Channel=650000 RB=75@0



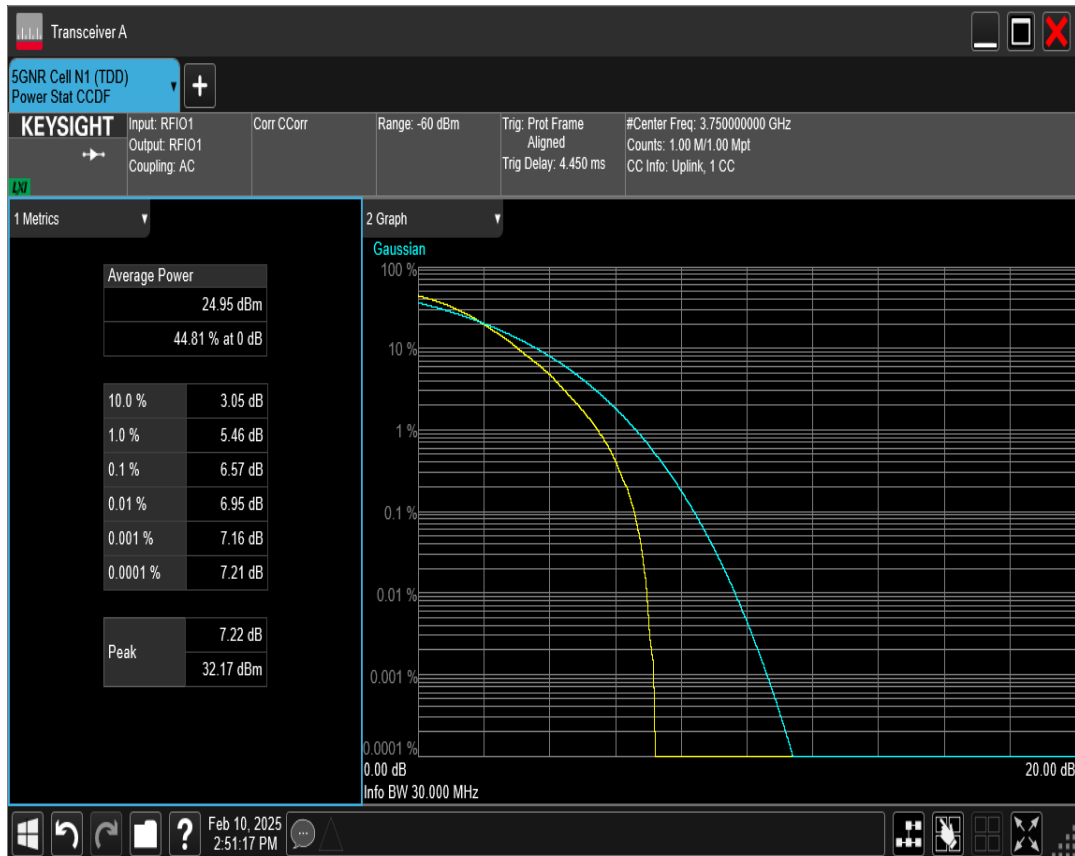
n78(3700-3800) SCS=30kHz DFT\_QPSK BW=30MHz Channel=650000 RB=75@0



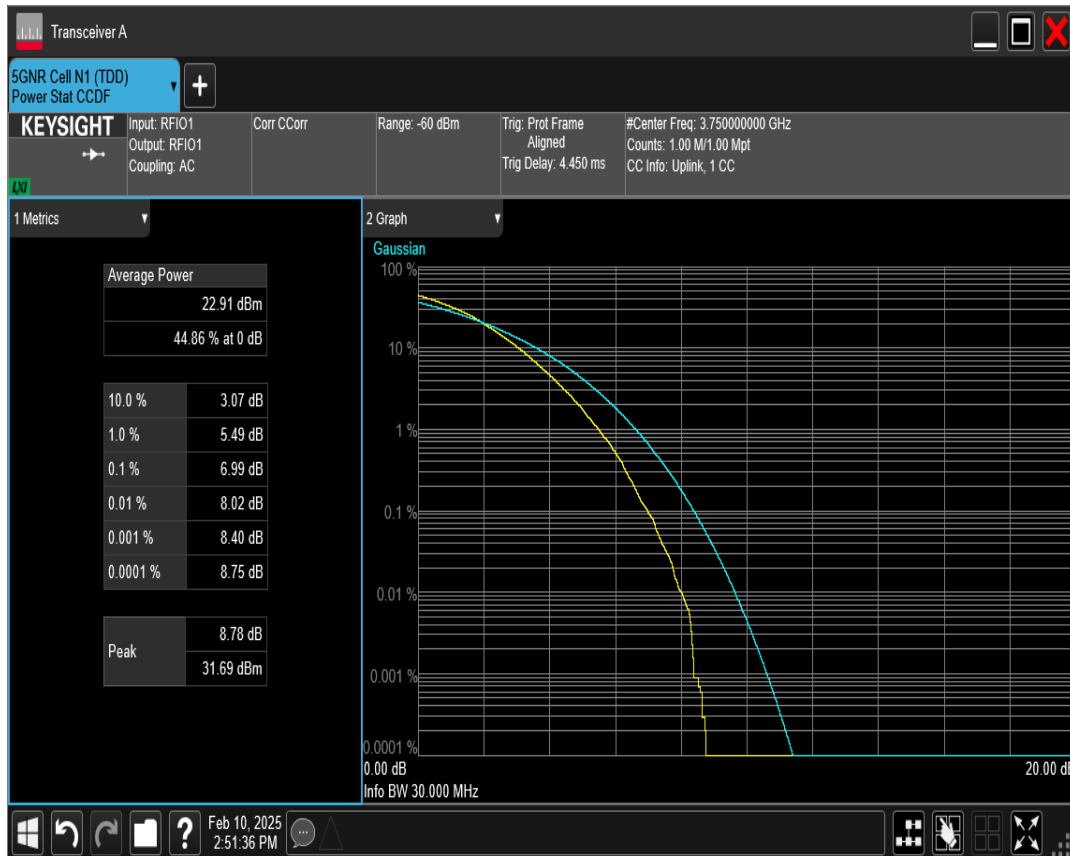
n78(3700-3800) SCS=30kHz DFT\_QAM16 BW=30MHz Channel=650000 RB=75@0



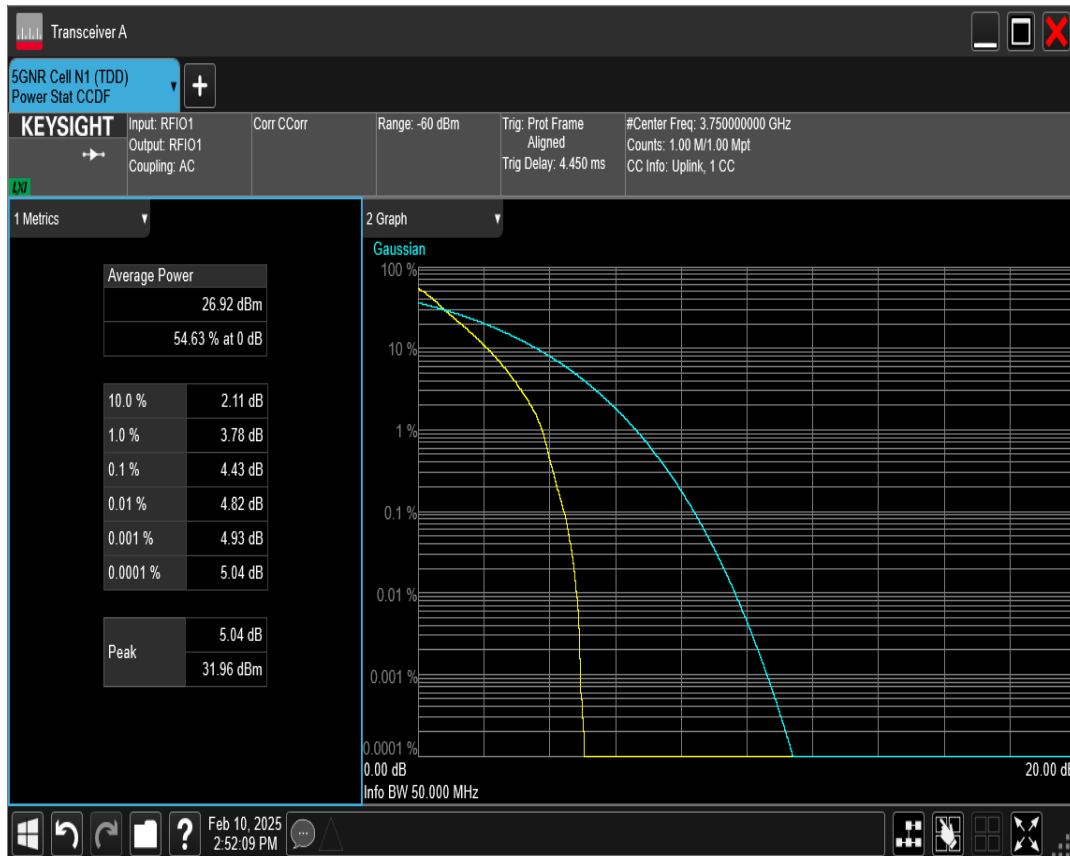
n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=30MHz Channel=650000 RB=75@0



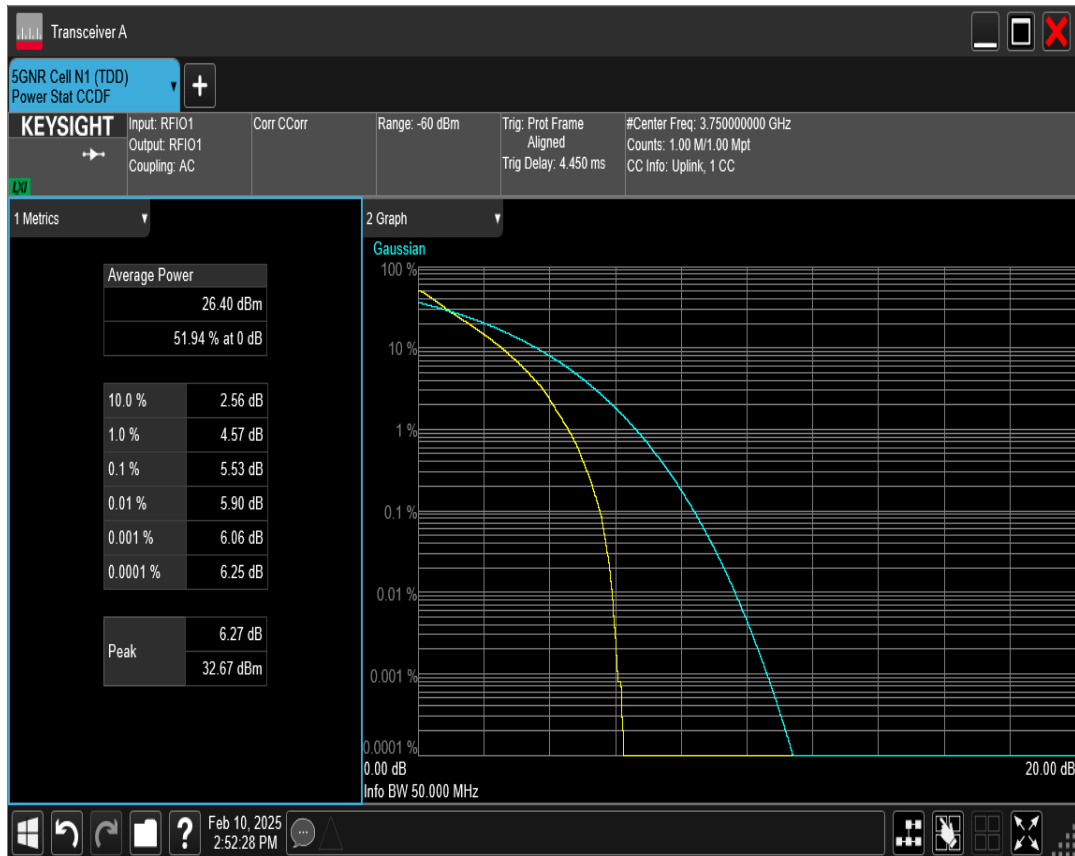
n78(3700-3800) SCS=30kHz DFT\_QAM256 BW=30MHz Channel=650000 RB=75@0



n78(3700-3800) SCS=30kHz DFT\_BPSK BW=40MHz Channel=650000 RB=100@0



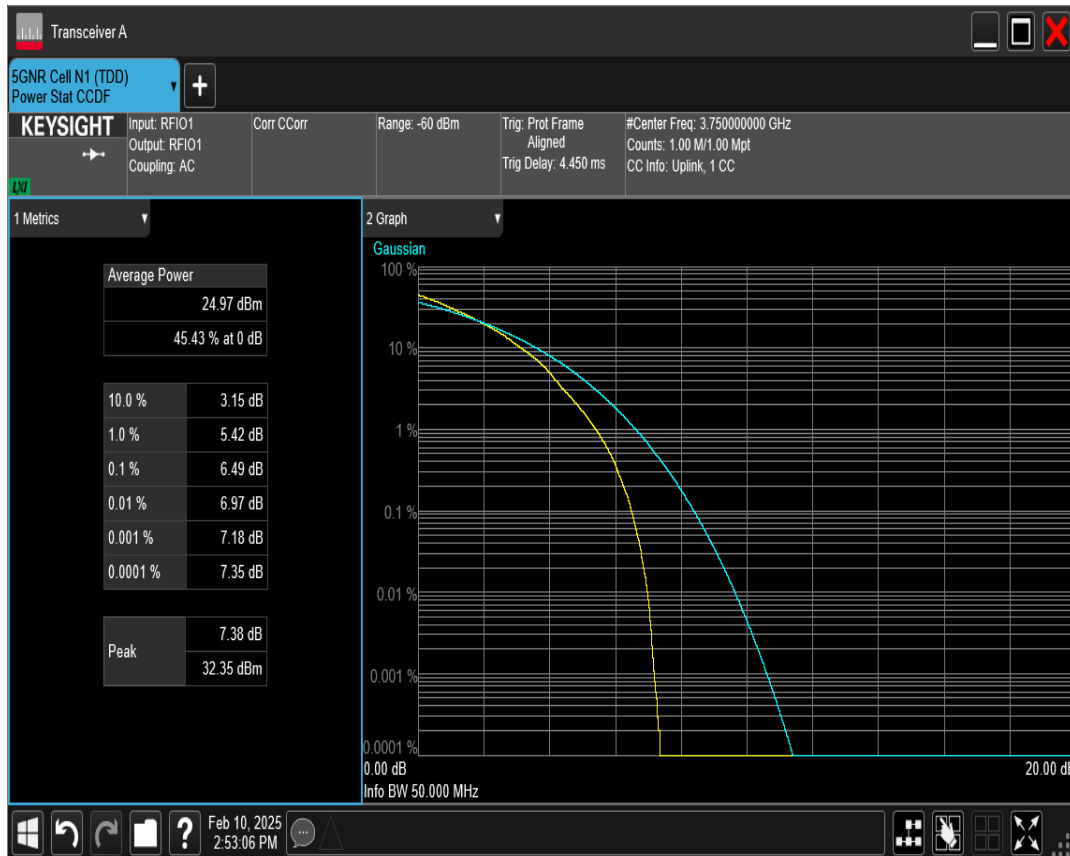
n78(3700-3800) SCS=30kHz DFT\_QPSK BW=40MHz Channel=650000 RB=100@0



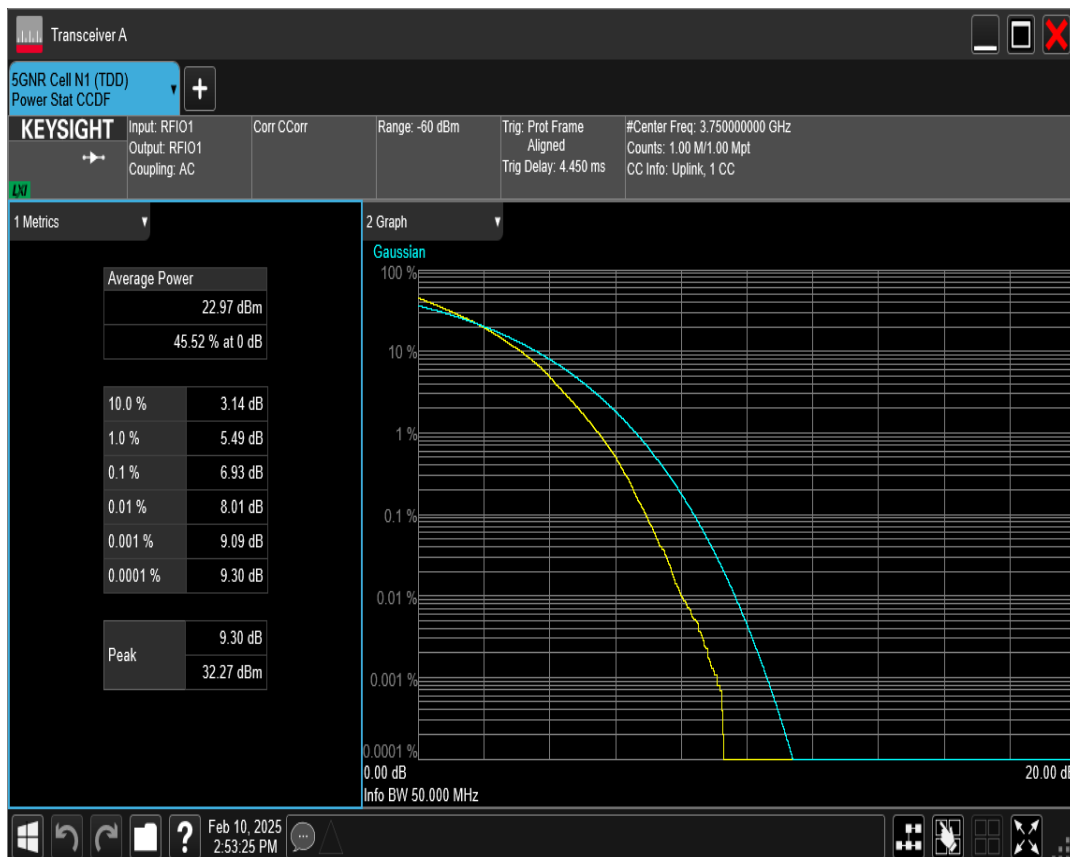
n78(3700-3800) SCS=30kHz DFT\_QAM16 BW=40MHz Channel=650000 RB=100@0



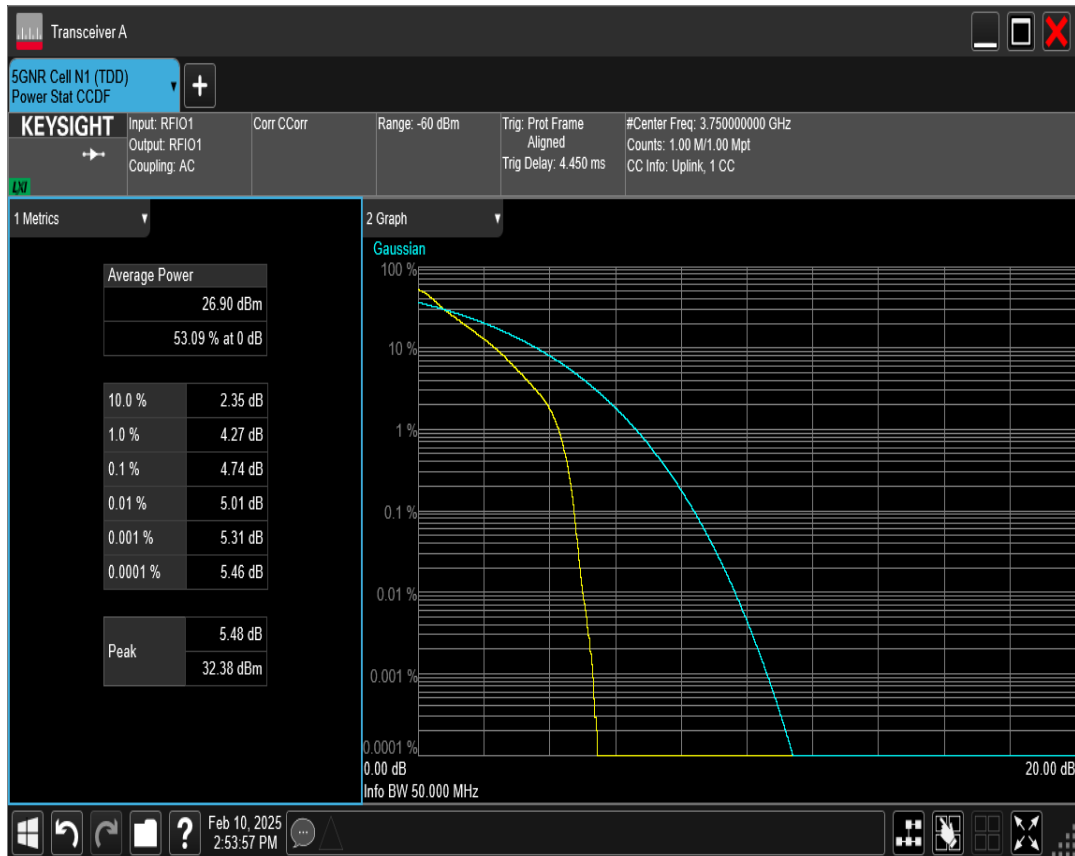
n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=40MHz Channel=650000 RB=100@0



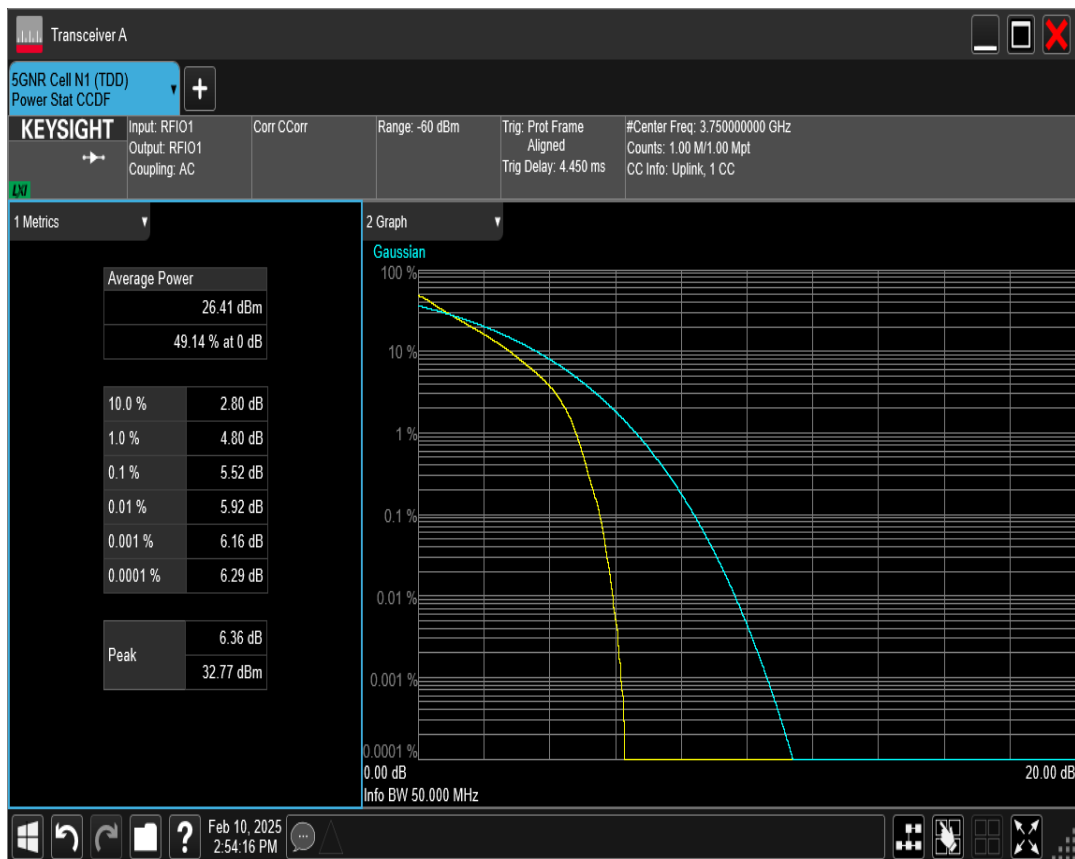
n78(3700-3800) SCS=30kHz DFT\_QAM256 BW=40MHz Channel=650000 RB=100@0



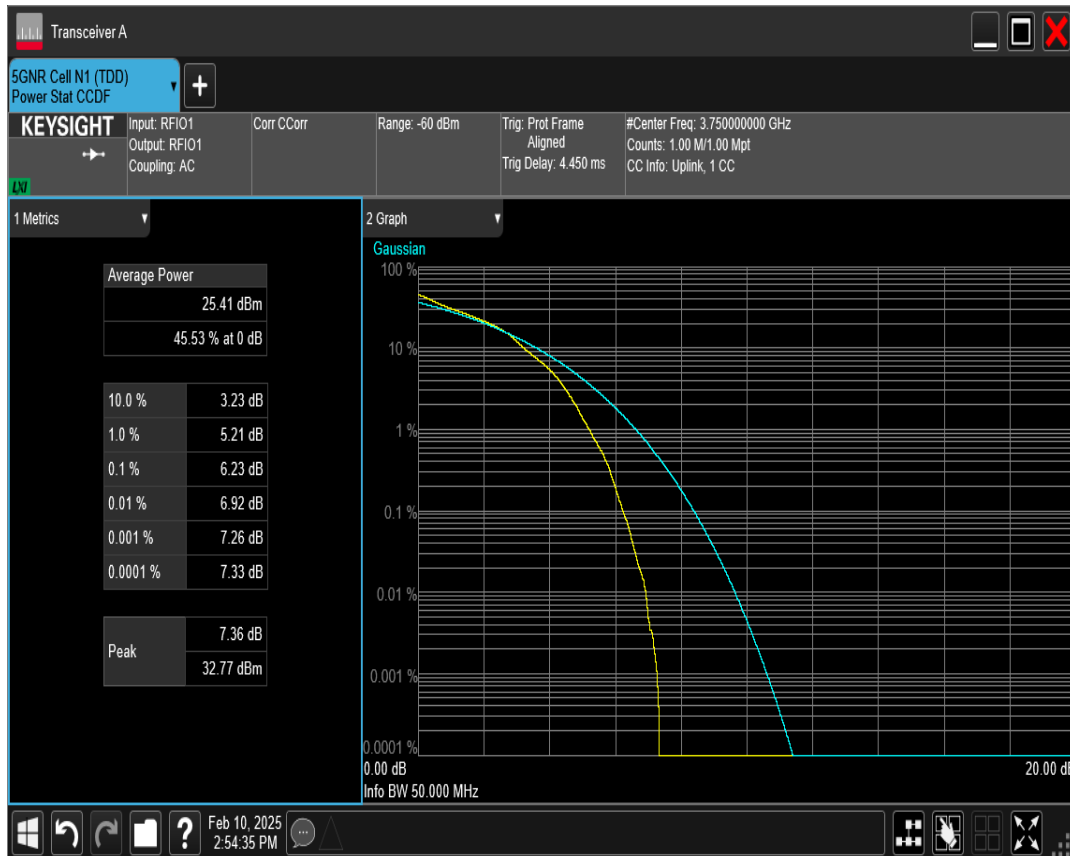
n78(3700-3800) SCS=30kHz DFT\_BPSK BW=50MHz Channel=650000 RB=128@0



n78(3700-3800) SCS=30kHz DFT\_QPSK BW=50MHz Channel=650000 RB=128@0



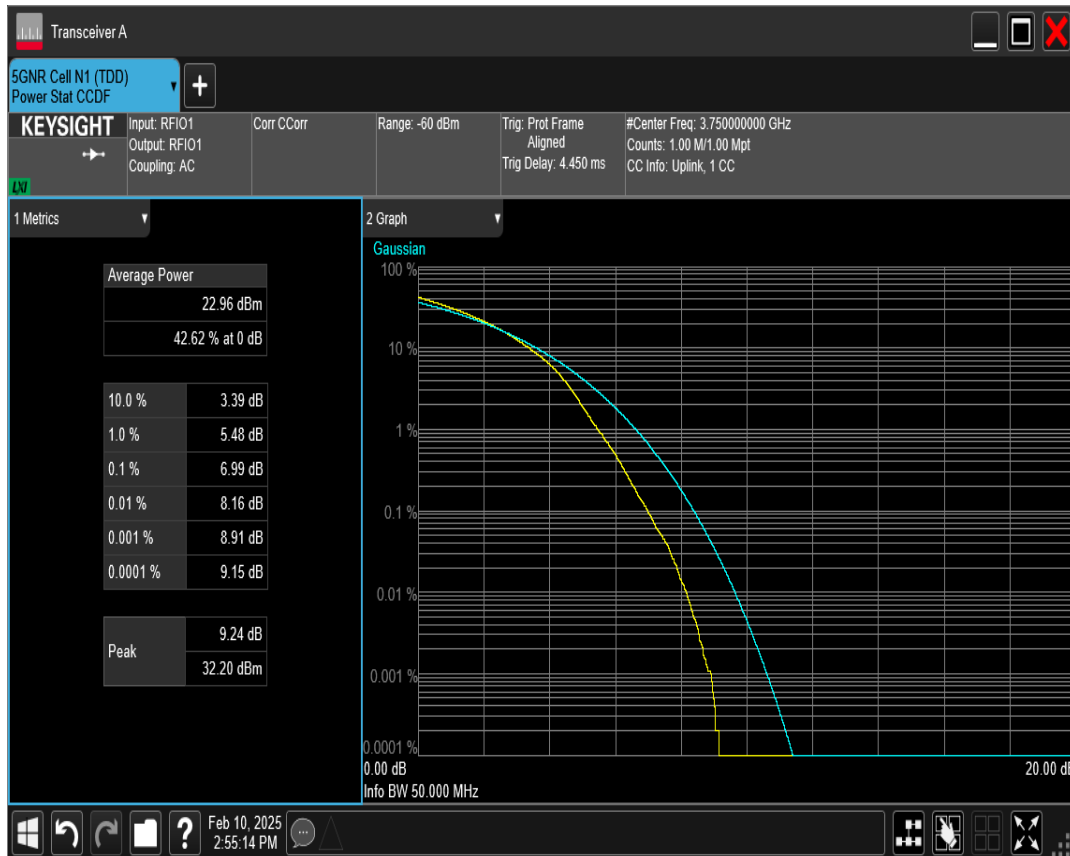
n78(3700-3800) SCS=30kHz DFT\_QAM16 BW=50MHz Channel=650000 RB=128@0



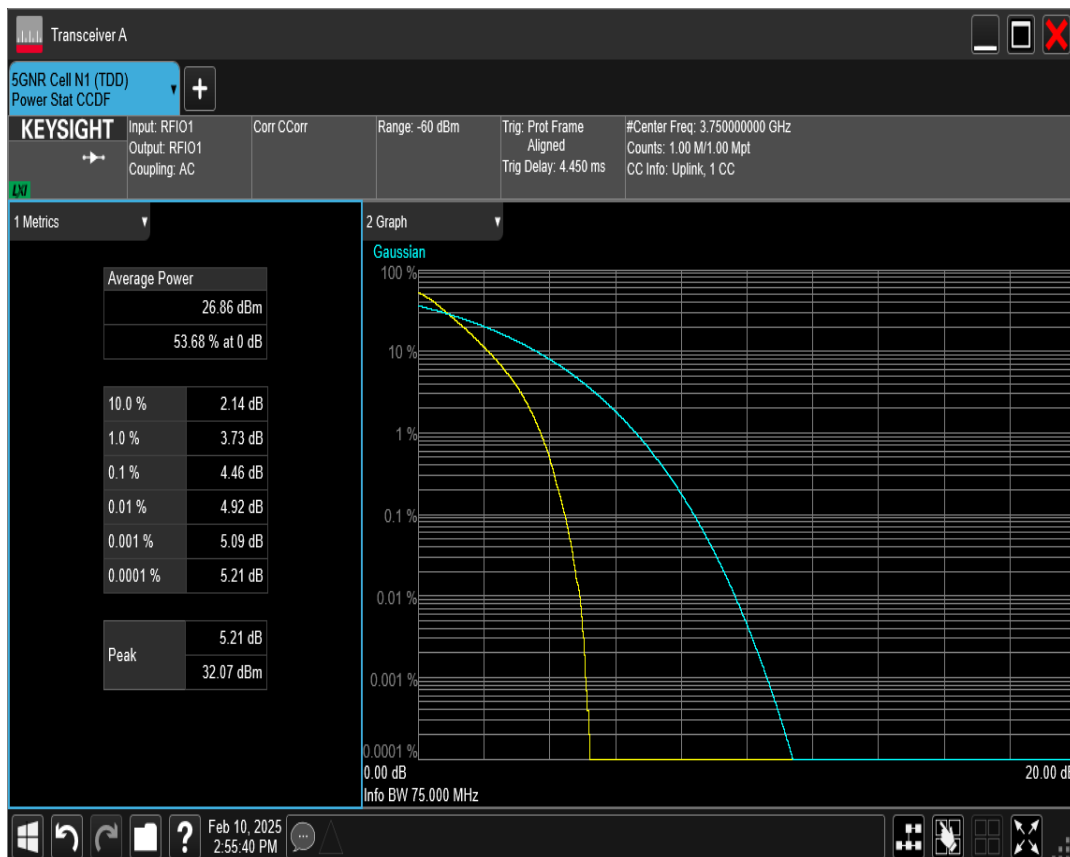
n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=50MHz Channel=650000 RB=128@0



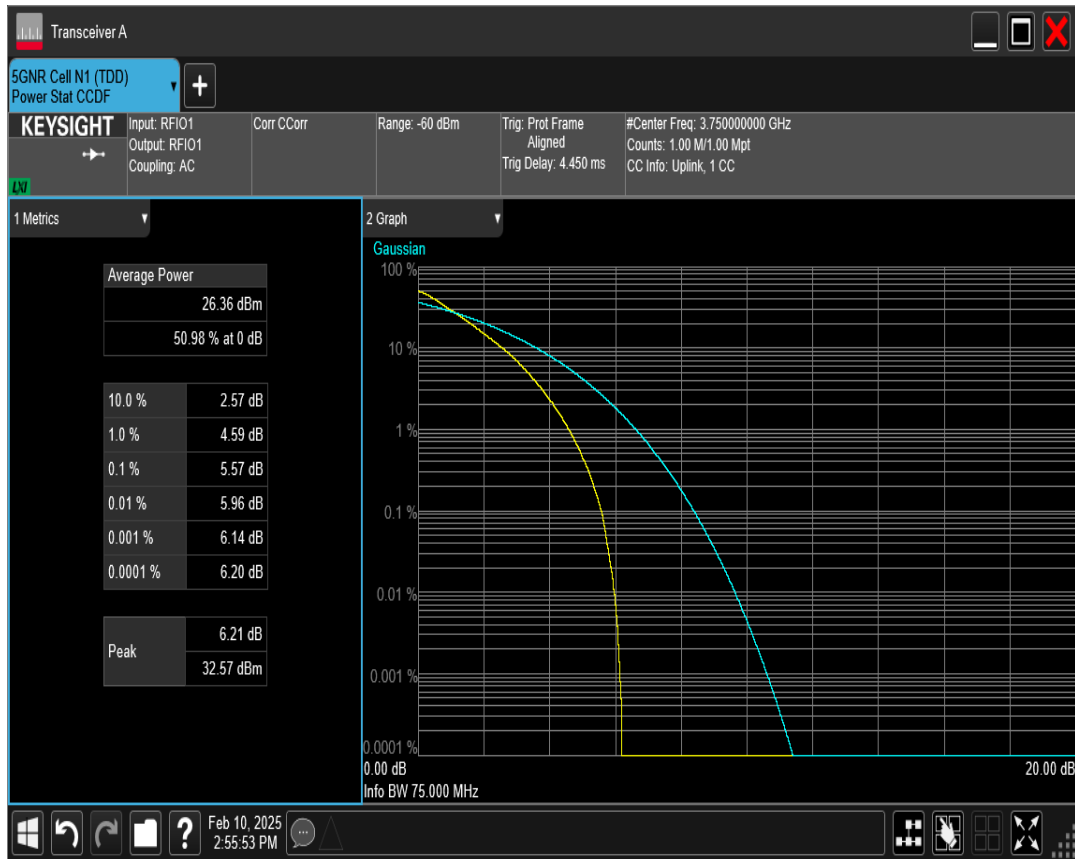
n78(3700-3800) SCS=30kHz DFT\_QAM256 BW=50MHz Channel=650000 RB=128@0



n78(3700-3800) SCS=30kHz DFT\_BPSK BW=60MHz Channel=650000 RB=162@0



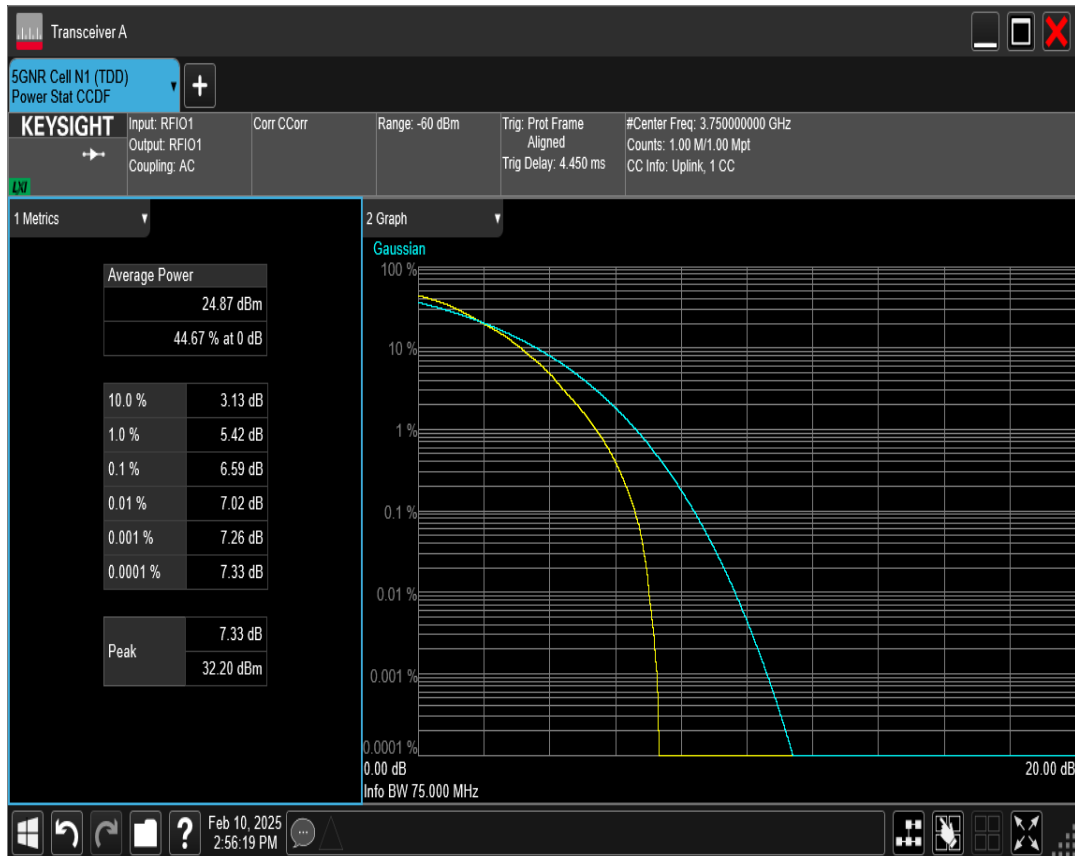
n78(3700-3800) SCS=30kHz DFT\_QPSK BW=60MHz Channel=650000 RB=162@0



n78(3700-3800) SCS=30kHz DFT\_QAM16 BW=60MHz Channel=650000 RB=162@0



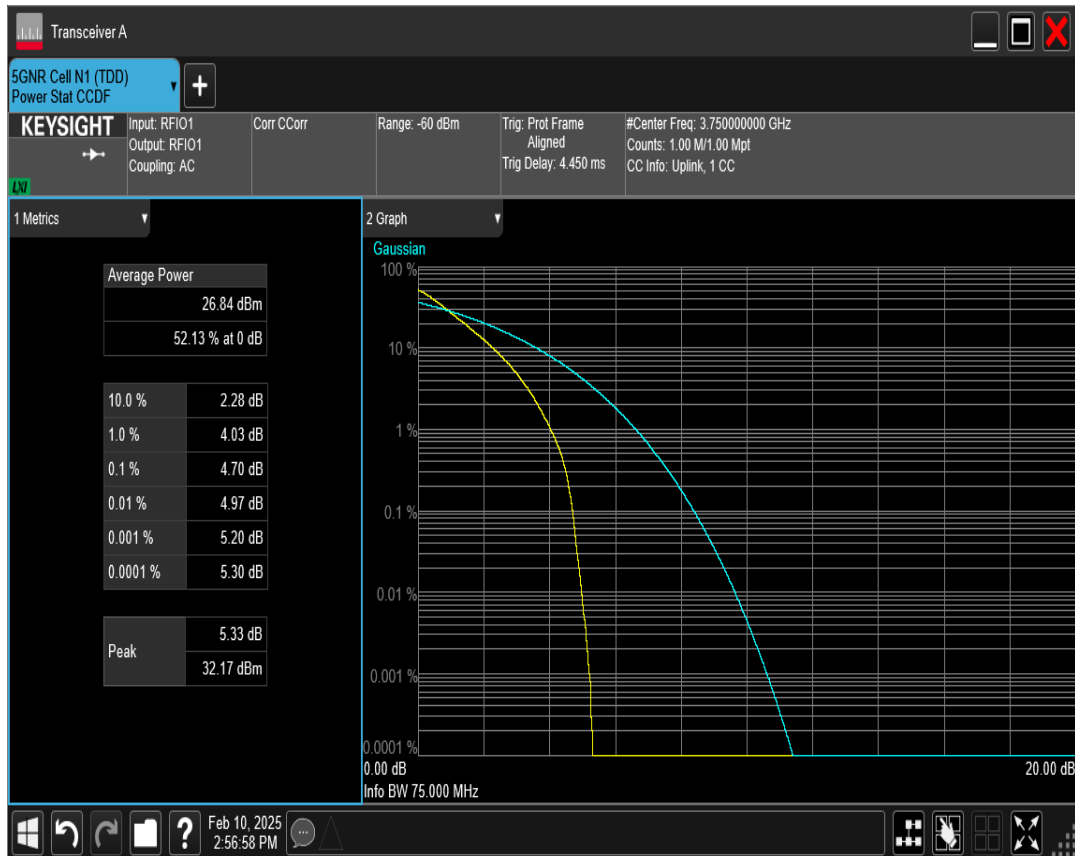
n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=60MHz Channel=650000 RB=162@0



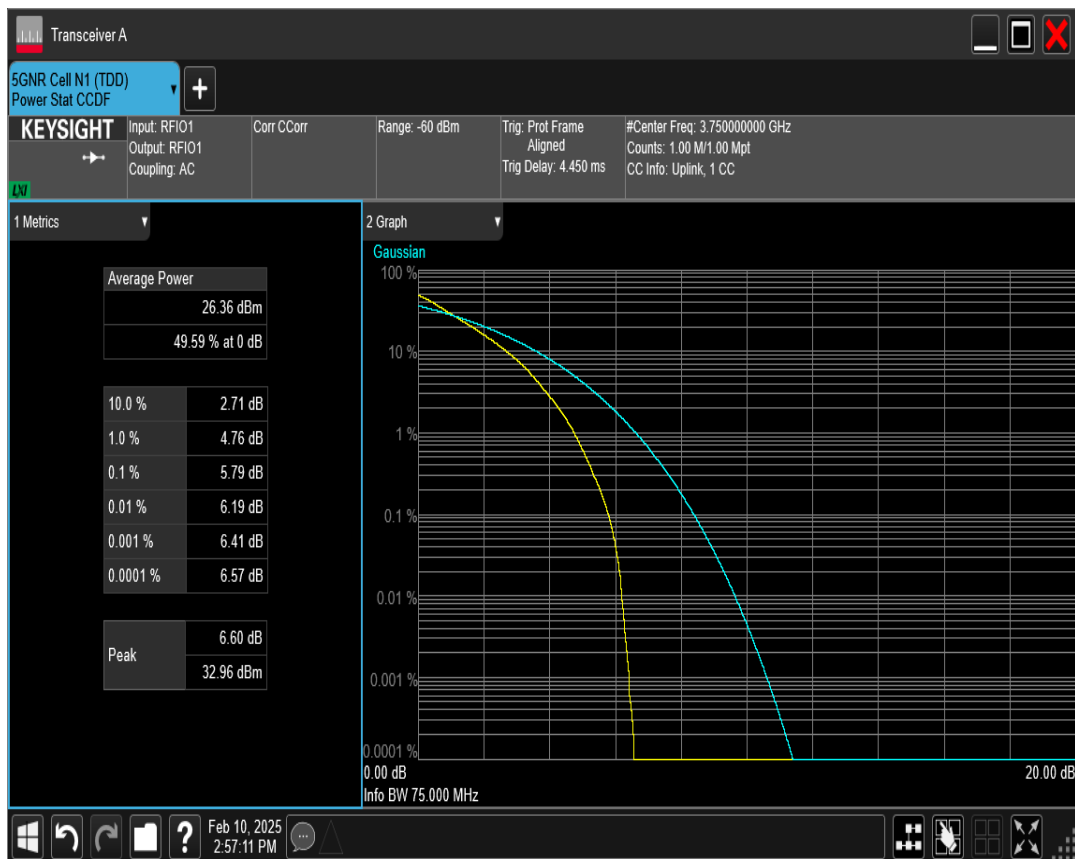
n78(3700-3800) SCS=30kHz DFT\_QAM256 BW=60MHz Channel=650000 RB=162@0



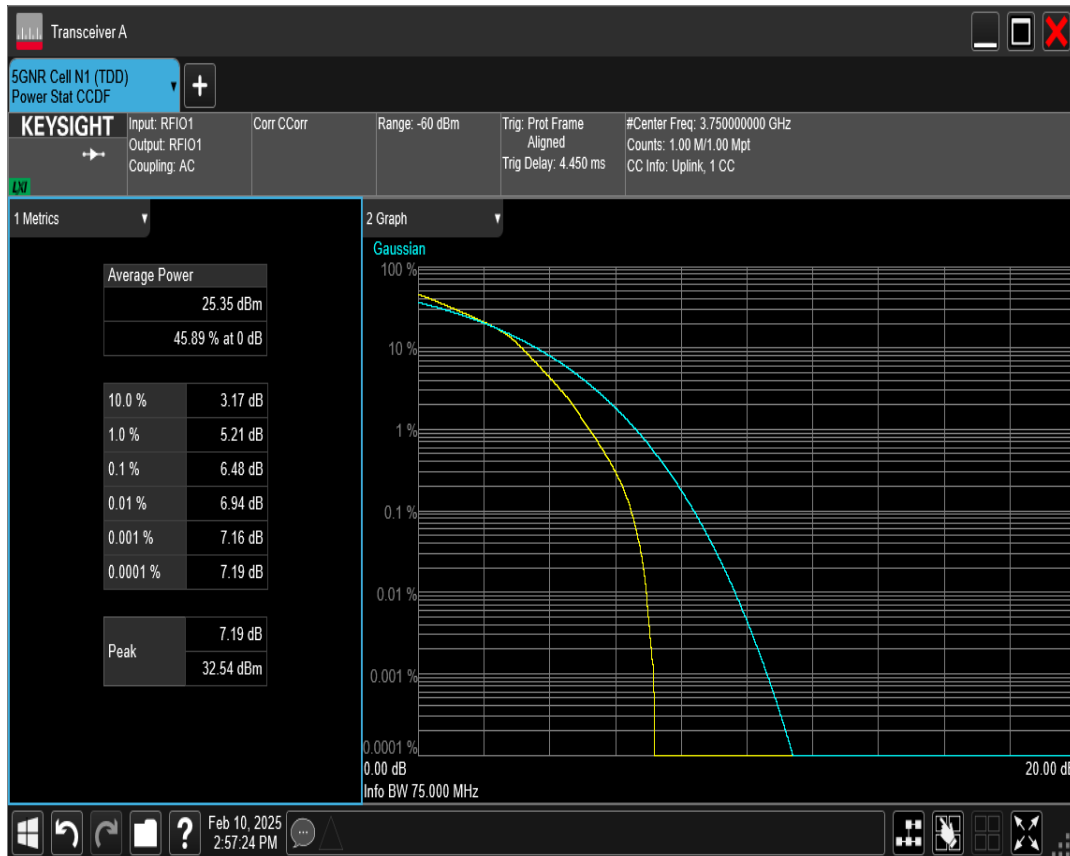
n78(3700-3800) SCS=30kHz DFT\_BPSK BW=70MHz Channel=650000 RB=180@0



n78(3700-3800) SCS=30kHz DFT\_QPSK BW=70MHz Channel=650000 RB=180@0



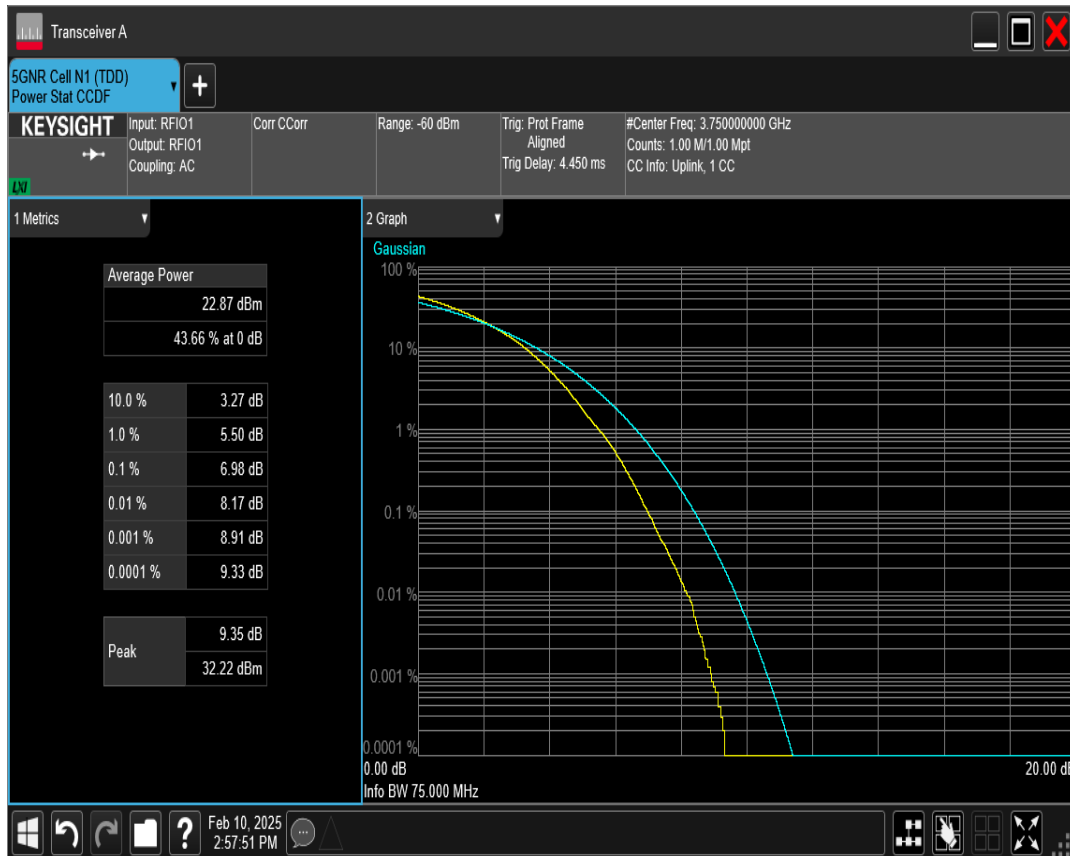
n78(3700-3800) SCS=30kHz DFT\_QAM16 BW=70MHz Channel=650000 RB=180@0



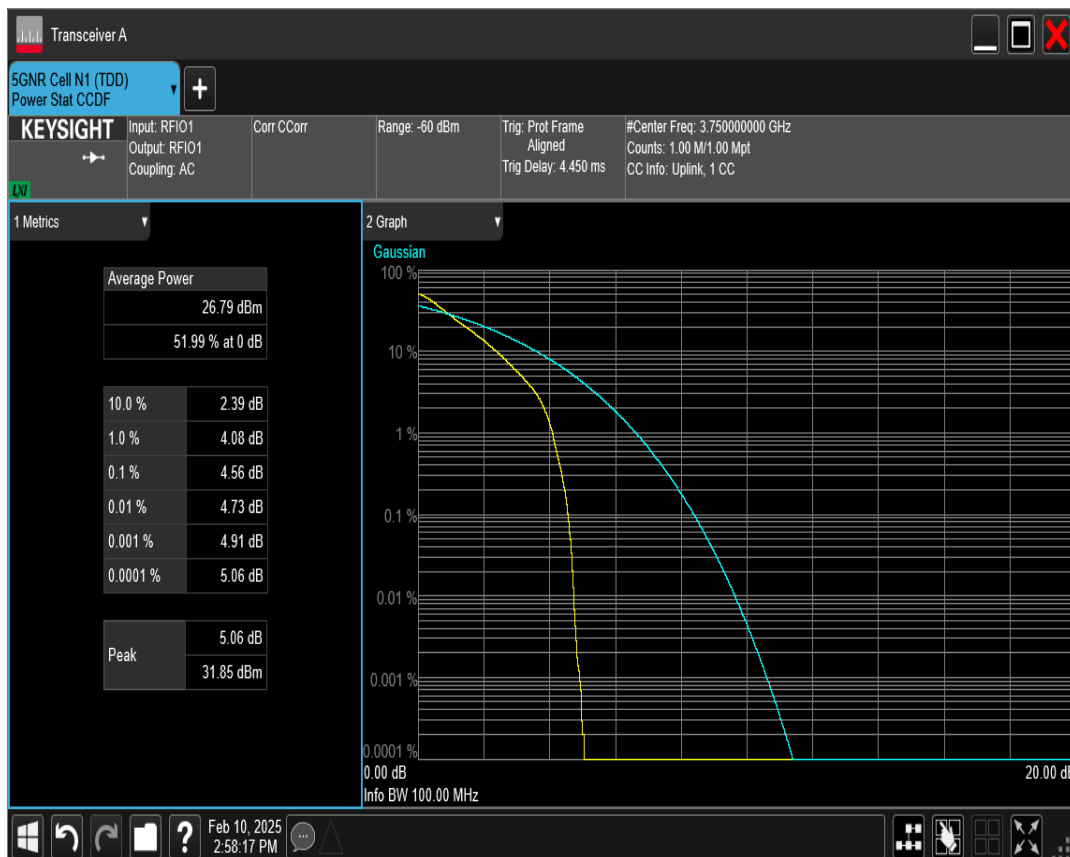
n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=70MHz Channel=650000 RB=180@0



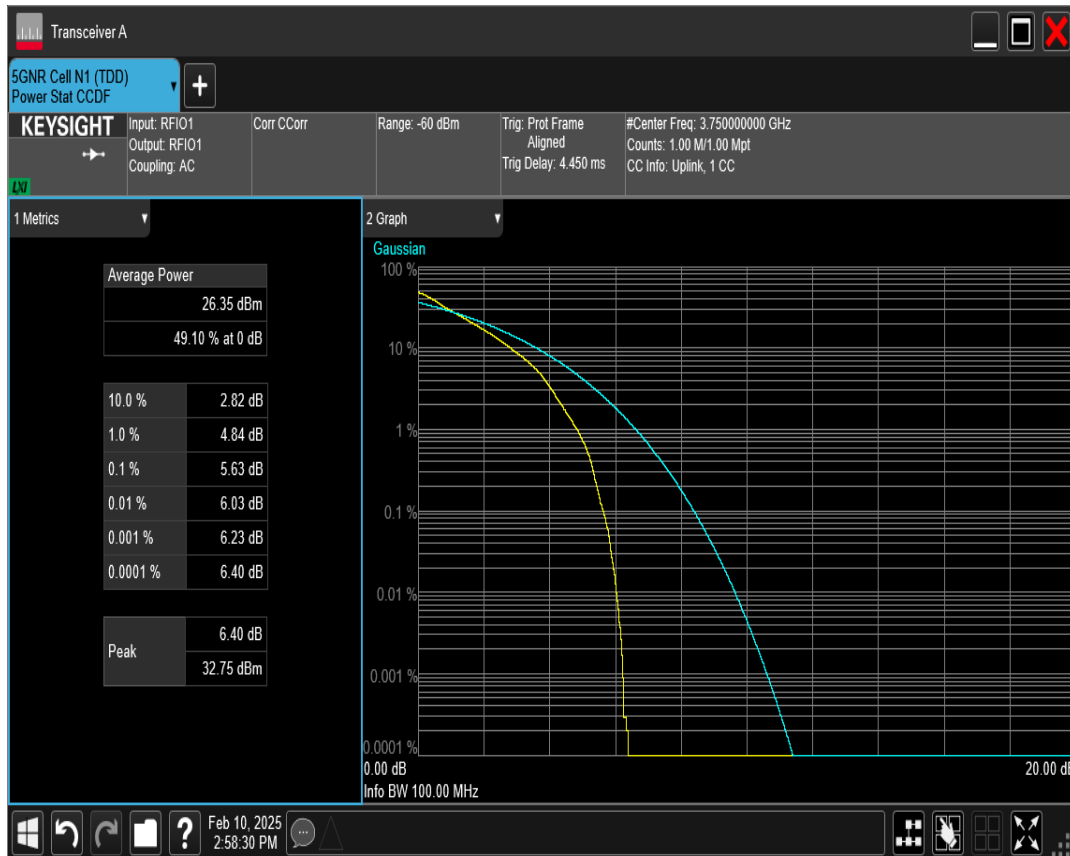
n78(3700-3800) SCS=30kHz DFT\_QAM256 BW=70MHz Channel=650000 RB=180@0



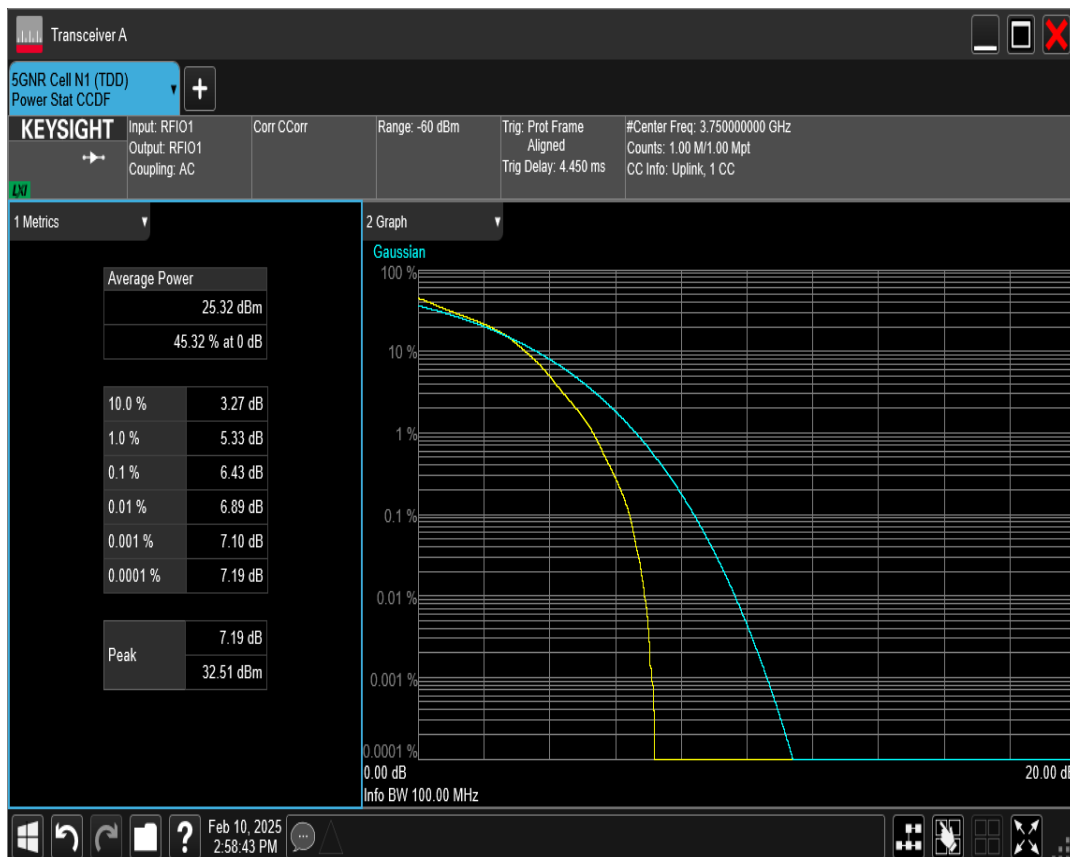
n78(3700-3800) SCS=30kHz DFT\_BPSK BW=80MHz Channel=650000 RB=216@0



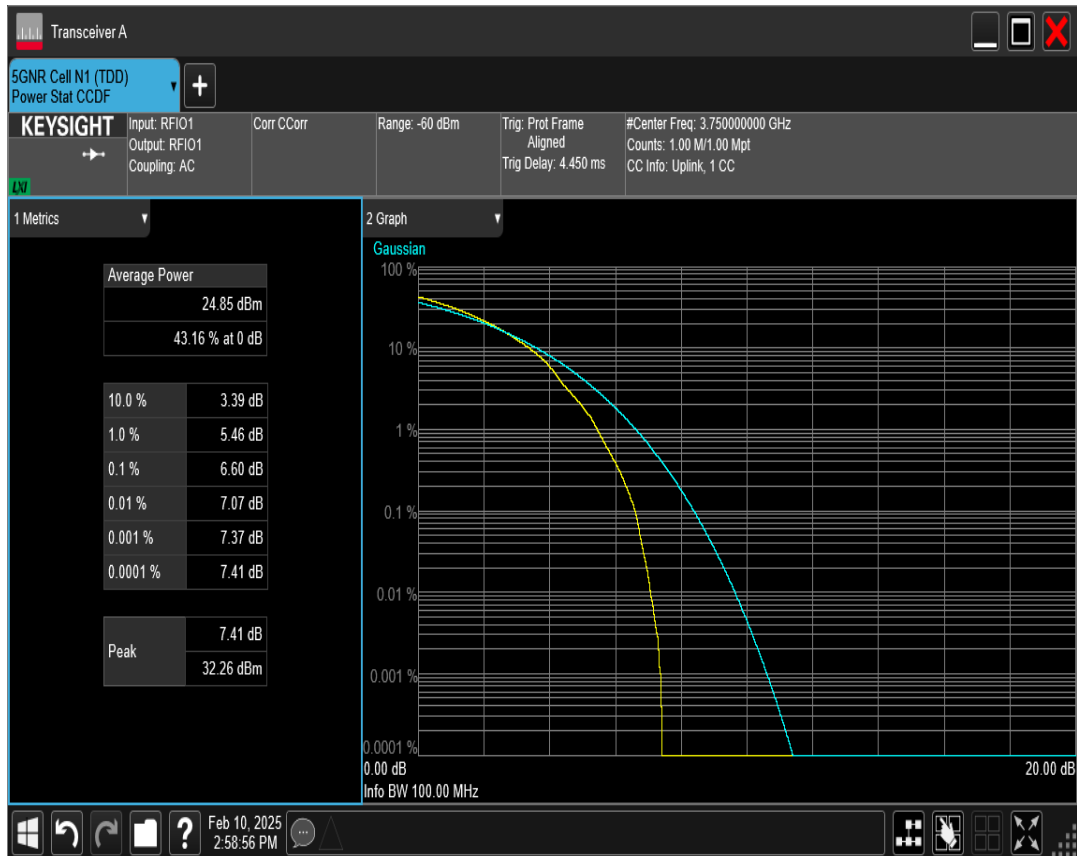
n78(3700-3800) SCS=30kHz DFT\_QPSK BW=80MHz Channel=650000 RB=216@0



n78(3700-3800) SCS=30kHz DFT\_QAM16 BW=80MHz Channel=650000 RB=216@0



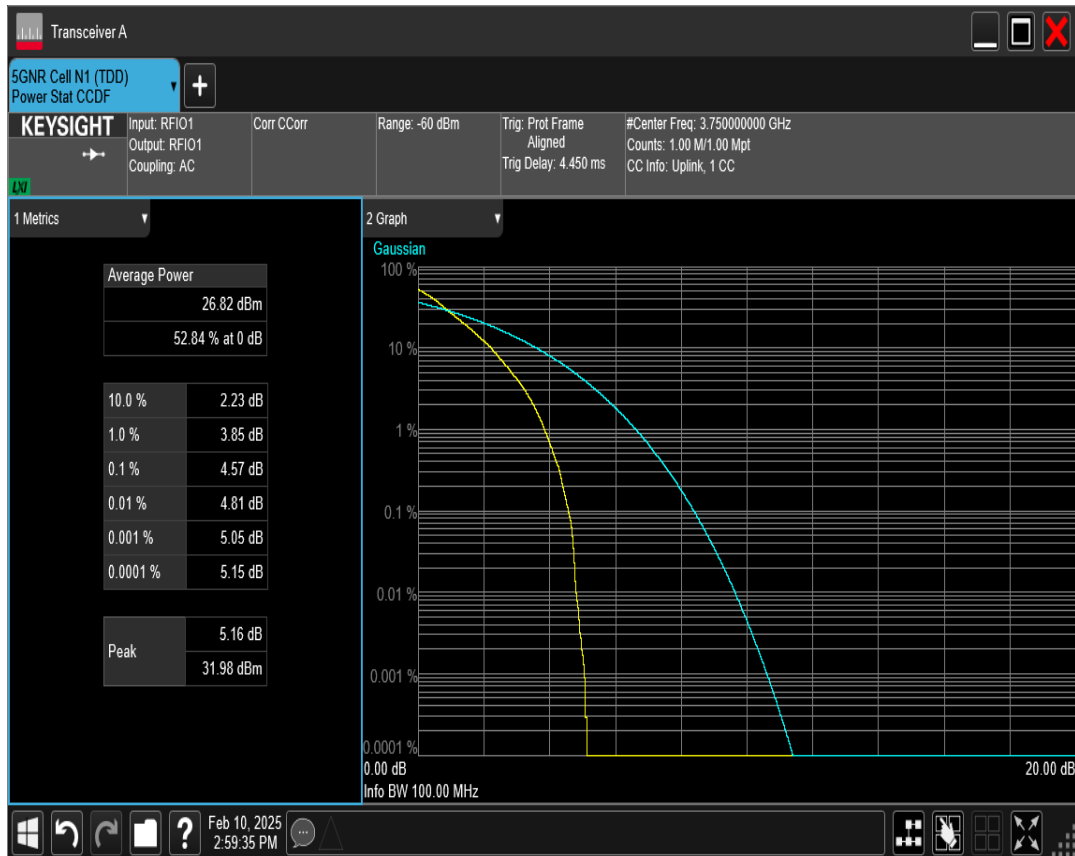
n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=80MHz Channel=650000 RB=216@0



n78(3700-3800) SCS=30kHz DFT\_QAM256 BW=80MHz Channel=650000 RB=216@0



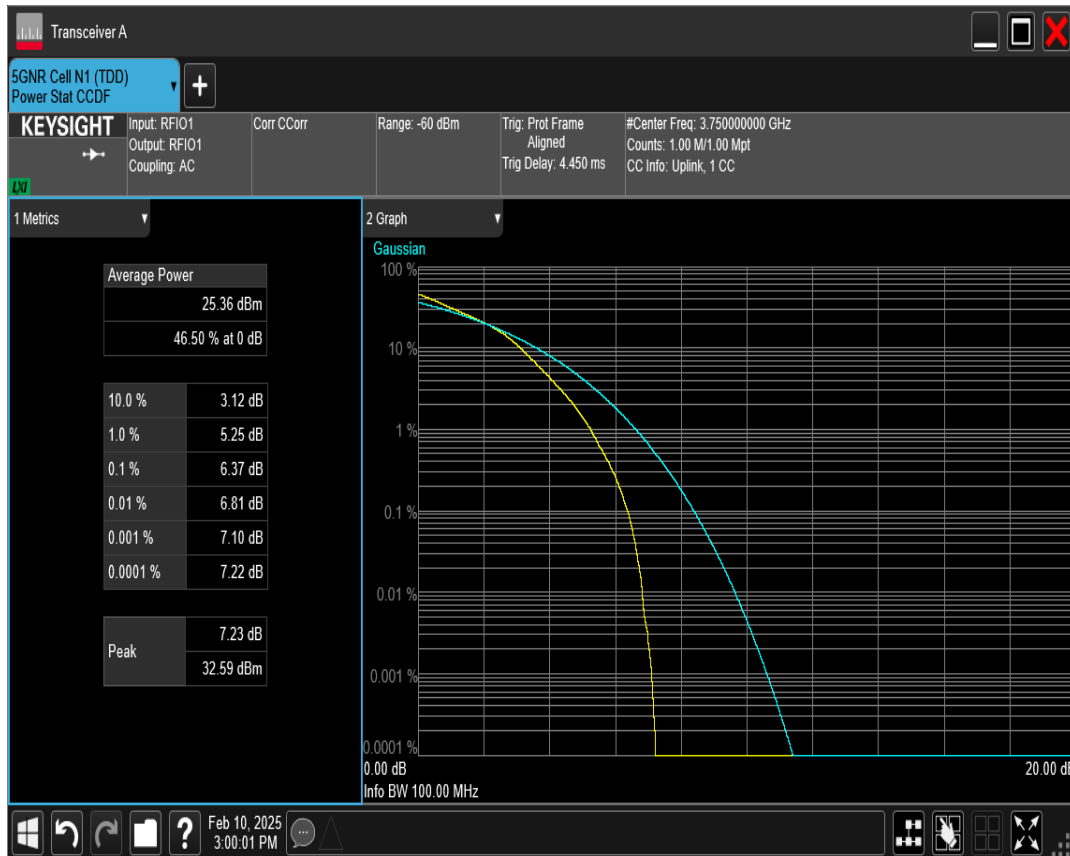
n78(3700-3800) SCS=30kHz DFT\_BPSK BW=90MHz Channel=650000 RB=240@0



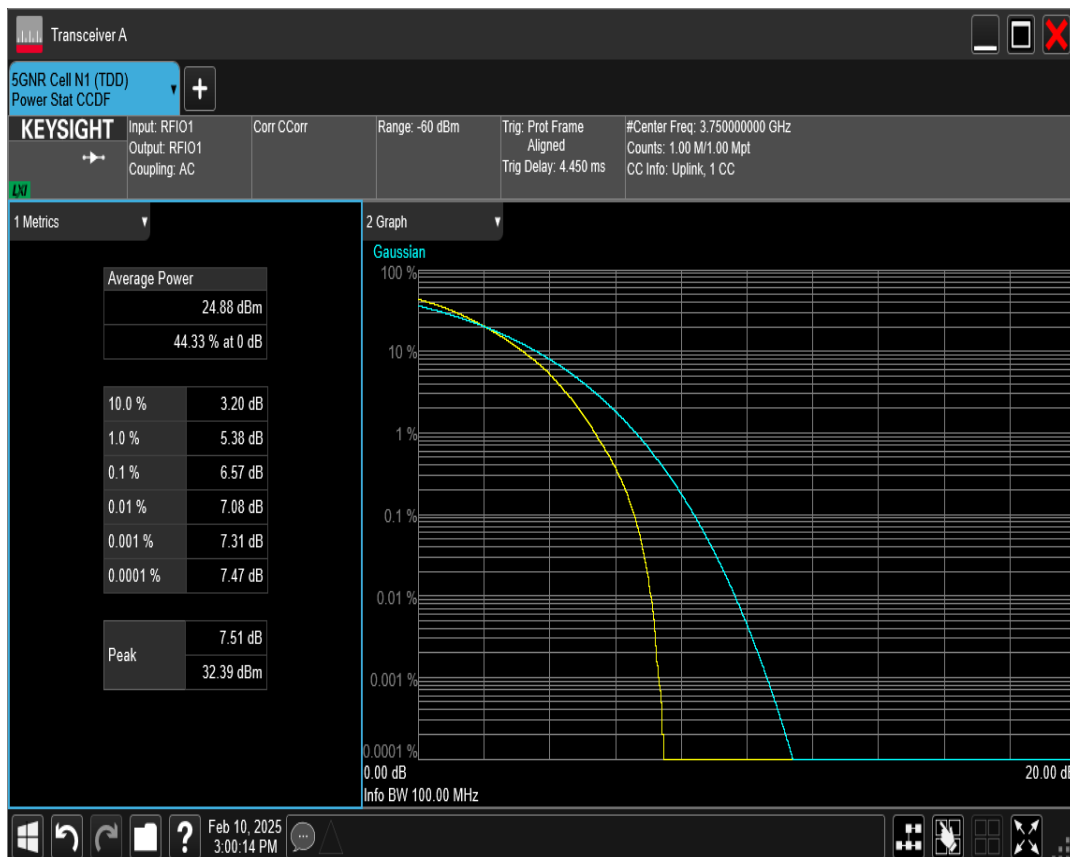
n78(3700-3800) SCS=30kHz DFT\_QPSK BW=90MHz Channel=650000 RB=240@0



n78(3700-3800) SCS=30kHz DFT\_QAM16 BW=90MHz Channel=650000 RB=240@0



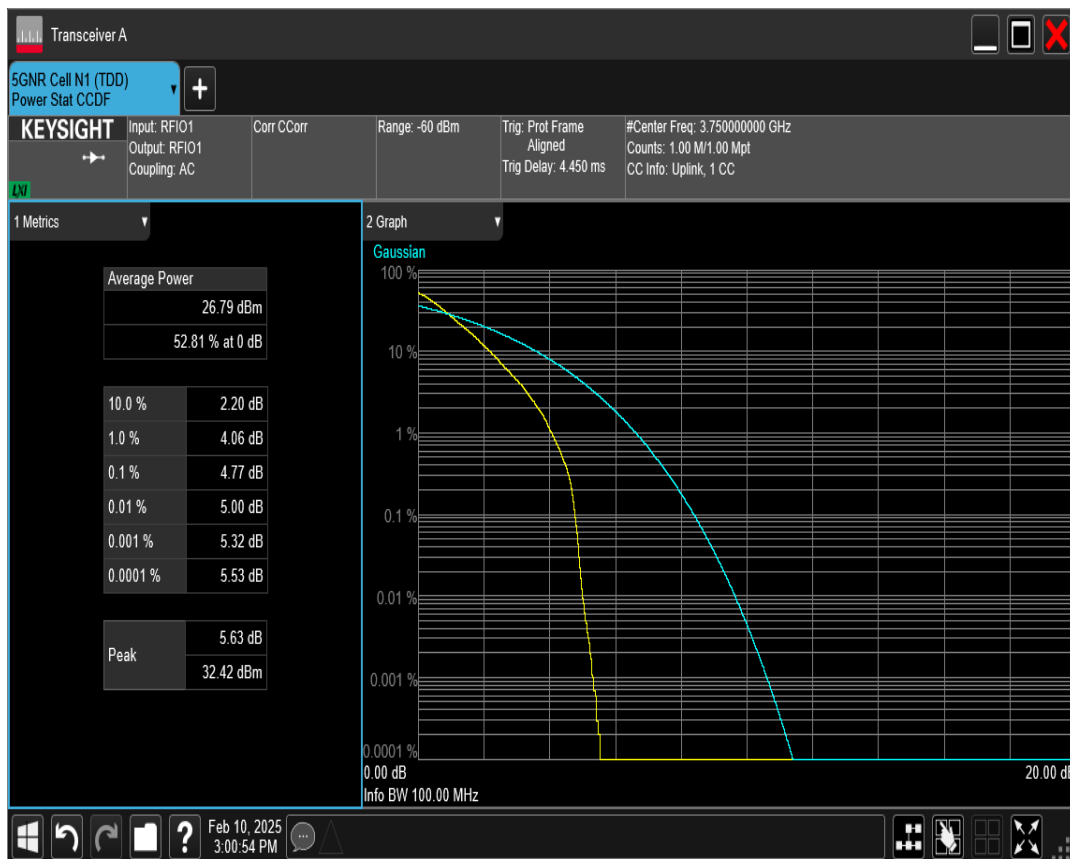
n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=90MHz Channel=650000 RB=240@0



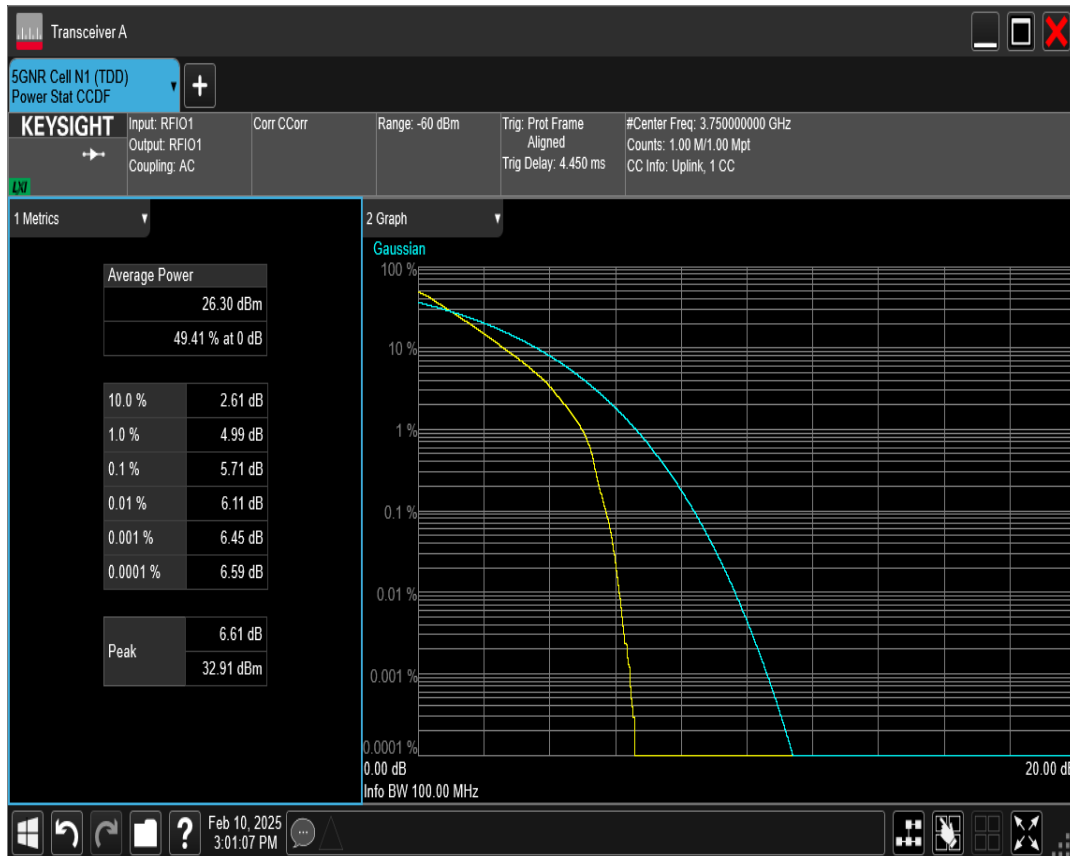
n78(3700-3800) SCS=30kHz DFT\_QAM256 BW=90MHz Channel=650000 RB=240@0



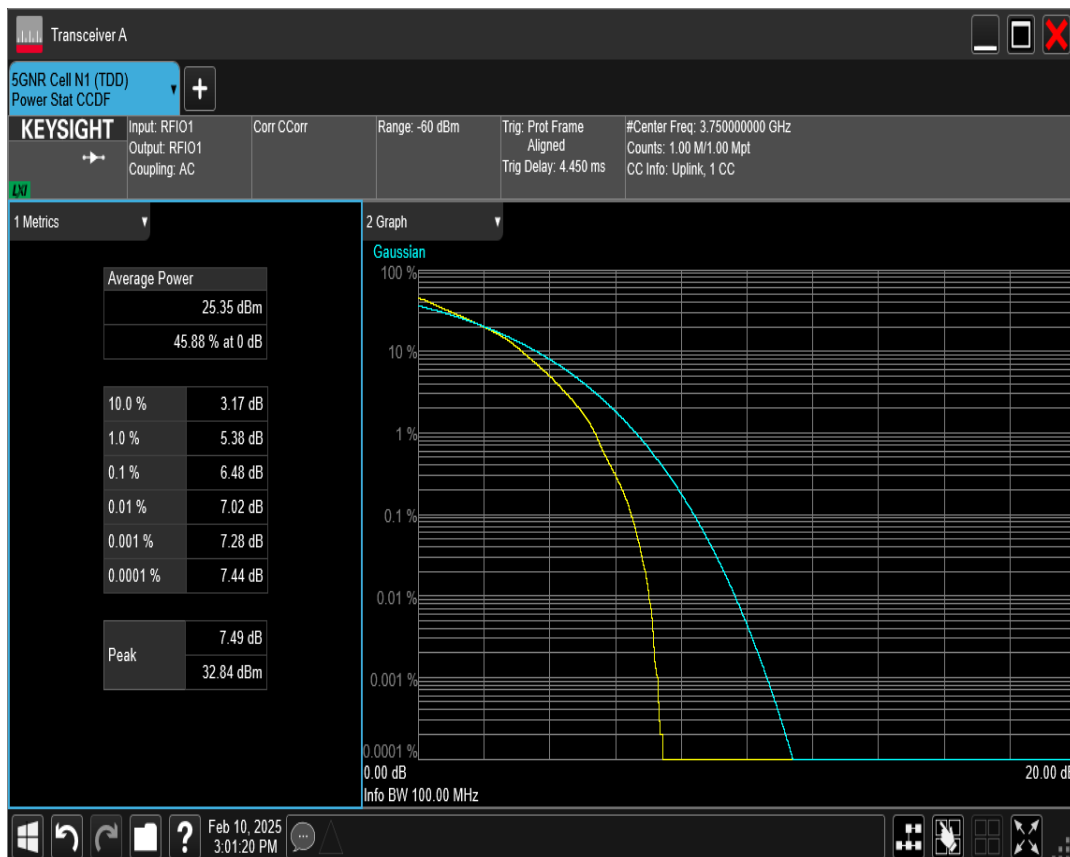
n78(3700-3800) SCS=30kHz DFT\_BPSK BW=100MHz Channel=650000 RB=270@0



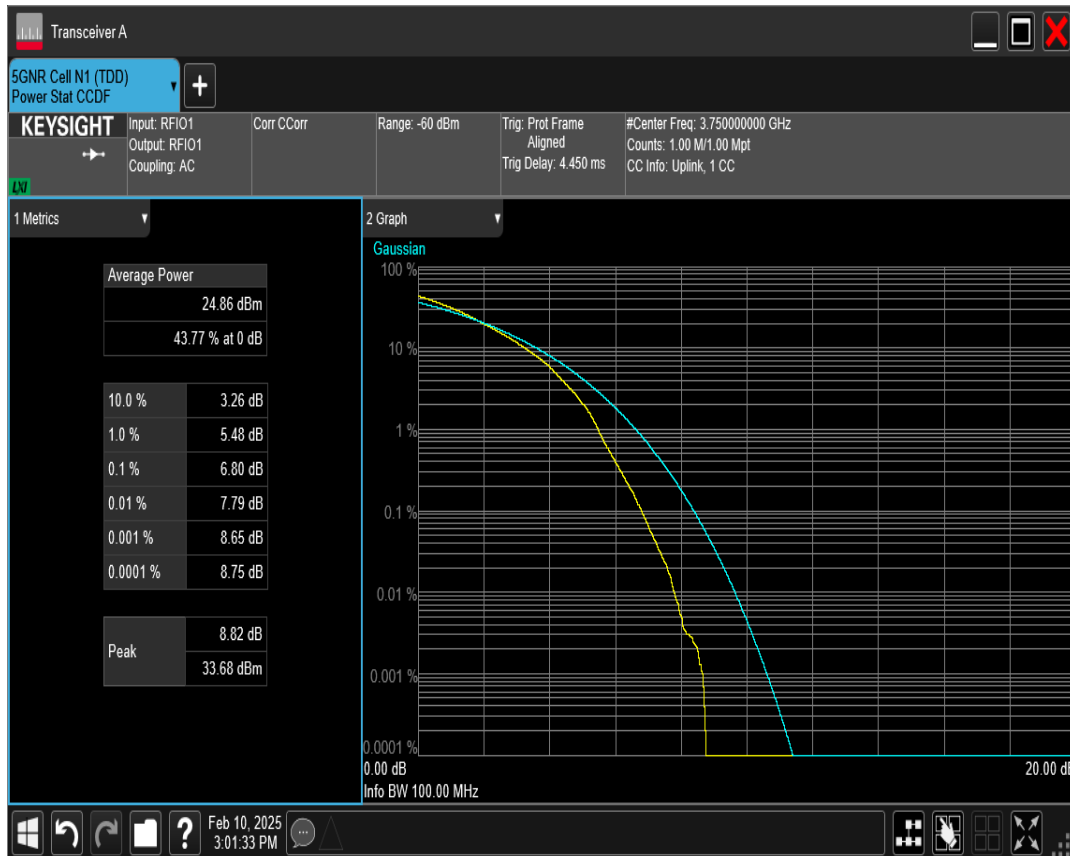
n78(3700-3800) SCS=30kHz DFT\_QPSK BW=100MHz Channel=650000 RB=270@0



n78(3700-3800) SCS=30kHz DFT\_QAM16 BW=100MHz Channel=650000 RB=270@0



n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=100MHz Channel=650000 RB=270@0



n78(3700-3800) SCS=30kHz DFT\_QAM256 BW=100MHz Channel=650000 RB=270@0



## 4 Occupied bandwidth for NR FR1

| Band           | SCS<br>(kHz) | Bandwidth<br>(MHz) | UL<br>Channel | RB<br>Allocation | Modulation | 99% OBW<br>(MHz) | -26dB EBW<br>(MHz) | Verdict |
|----------------|--------------|--------------------|---------------|------------------|------------|------------------|--------------------|---------|
| n78(3700-3800) | 30           | 10                 | 647000        | 24@0             | DFT_BPSK   | 8.585            | 9.132              | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 24@0             | DFT_QPSK   | 8.600            | 9.144              | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 24@0             | DFT_QAM16  | 8.485            | 8.952              | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 24@0             | DFT_QAM64  | 8.618            | 9.225              | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 24@0             | DFT_QAM256 | 8.584            | 9.063              | PASS    |
| n78(3700-3800) | 30           | 10                 | 647000        | 24@0             | CP_QPSK    | 8.615            | 9.075              | PASS    |
| n78(3700-3800) | 30           | 10                 | 650000        | 24@0             | DFT_BPSK   | 8.606            | 9.098              | PASS    |
| n78(3700-3800) | 30           | 10                 | 650000        | 24@0             | DFT_QPSK   | 8.668            | 9.105              | PASS    |
| n78(3700-3800) | 30           | 10                 | 650000        | 24@0             | DFT_QAM16  | 8.562            | 9.043              | PASS    |
| n78(3700-3800) | 30           | 10                 | 650000        | 24@0             | DFT_QAM64  | 8.639            | 9.308              | PASS    |
| n78(3700-3800) | 30           | 10                 | 650000        | 24@0             | DFT_QAM256 | 8.685            | 9.326              | PASS    |
| n78(3700-3800) | 30           | 10                 | 650000        | 24@0             | CP_QPSK    | 8.578            | 9.230              | PASS    |
| n78(3700-3800) | 30           | 10                 | 653000        | 24@0             | DFT_BPSK   | 8.567            | 9.334              | PASS    |
| n78(3700-3800) | 30           | 10                 | 653000        | 24@0             | DFT_QPSK   | 8.566            | 9.152              | PASS    |
| n78(3700-3800) | 30           | 10                 | 653000        | 24@0             | DFT_QAM16  | 8.695            | 9.106              | PASS    |
| n78(3700-3800) | 30           | 10                 | 653000        | 24@0             | DFT_QAM64  | 8.674            | 9.112              | PASS    |
| n78(3700-3800) | 30           | 10                 | 653000        | 24@0             | DFT_QAM256 | 8.592            | 9.089              | PASS    |
| n78(3700-3800) | 30           | 10                 | 653000        | 24@0             | CP_QPSK    | 8.615            | 9.095              | PASS    |
| n78(3700-3800) | 30           | 15                 | 647168        | 36@0             | DFT_BPSK   | 12.973           | 13.803             | PASS    |
| n78(3700-3800) | 30           | 15                 | 647168        | 36@0             | DFT_QPSK   | 12.863           | 13.767             | PASS    |
| n78(3700-3800) | 30           | 15                 | 647168        | 36@0             | DFT_QAM16  | 12.899           | 13.609             | PASS    |
| n78(3700-3800) | 30           | 15                 | 647168        | 36@0             | DFT_QAM64  | 12.877           | 13.678             | PASS    |
| n78(3700-3800) | 30           | 15                 | 647168        | 36@0             | DFT_QAM256 | 12.769           | 13.516             | PASS    |
| n78(3700-3800) | 30           | 15                 | 647168        | 38@0             | CP_QPSK    | 13.574           | 14.317             | PASS    |
| n78(3700-3800) | 30           | 15                 | 650000        | 36@0             | DFT_BPSK   | 12.927           | 13.601             | PASS    |
| n78(3700-3800) | 30           | 15                 | 650000        | 36@0             | DFT_QPSK   | 12.885           | 13.722             | PASS    |
| n78(3700-3800) | 30           | 15                 | 650000        | 36@0             | DFT_QAM16  | 12.912           | 13.601             | PASS    |
| n78(3700-3800) | 30           | 15                 | 650000        | 36@0             | DFT_QAM64  | 12.851           | 13.658             | PASS    |
| n78(3700-3800) | 30           | 15                 | 650000        | 36@0             | DFT_QAM256 | 12.869           | 13.635             | PASS    |
| n78(3700-3800) | 30           | 15                 | 650000        | 38@0             | CP_QPSK    | 13.594           | 14.280             | PASS    |
| n78(3700-3800) | 30           | 15                 | 652832        | 36@0             | DFT_BPSK   | 12.783           | 13.720             | PASS    |
| n78(3700-3800) | 30           | 15                 | 652832        | 36@0             | DFT_QPSK   | 12.998           | 13.453             | PASS    |
| n78(3700-3800) | 30           | 15                 | 652832        | 36@0             | DFT_QAM16  | 12.870           | 13.577             | PASS    |
| n78(3700-3800) | 30           | 15                 | 652832        | 36@0             | DFT_QAM64  | 12.881           | 13.544             | PASS    |
| n78(3700-3800) | 30           | 15                 | 652832        | 36@0             | DFT_QAM256 | 12.920           | 13.646             | PASS    |
| n78(3700-3800) | 30           | 15                 | 652832        | 38@0             | CP_QPSK    | 13.629           | 14.325             | PASS    |
| n78(3700-3800) | 30           | 20                 | 647334        | 50@0             | DFT_BPSK   | 18.010           | 18.955             | PASS    |
| n78(3700-3800) | 30           | 20                 | 647334        | 50@0             | DFT_QPSK   | 17.886           | 19.081             | PASS    |
| n78(3700-3800) | 30           | 20                 | 647334        | 50@0             | DFT_QAM16  | 17.998           | 18.894             | PASS    |

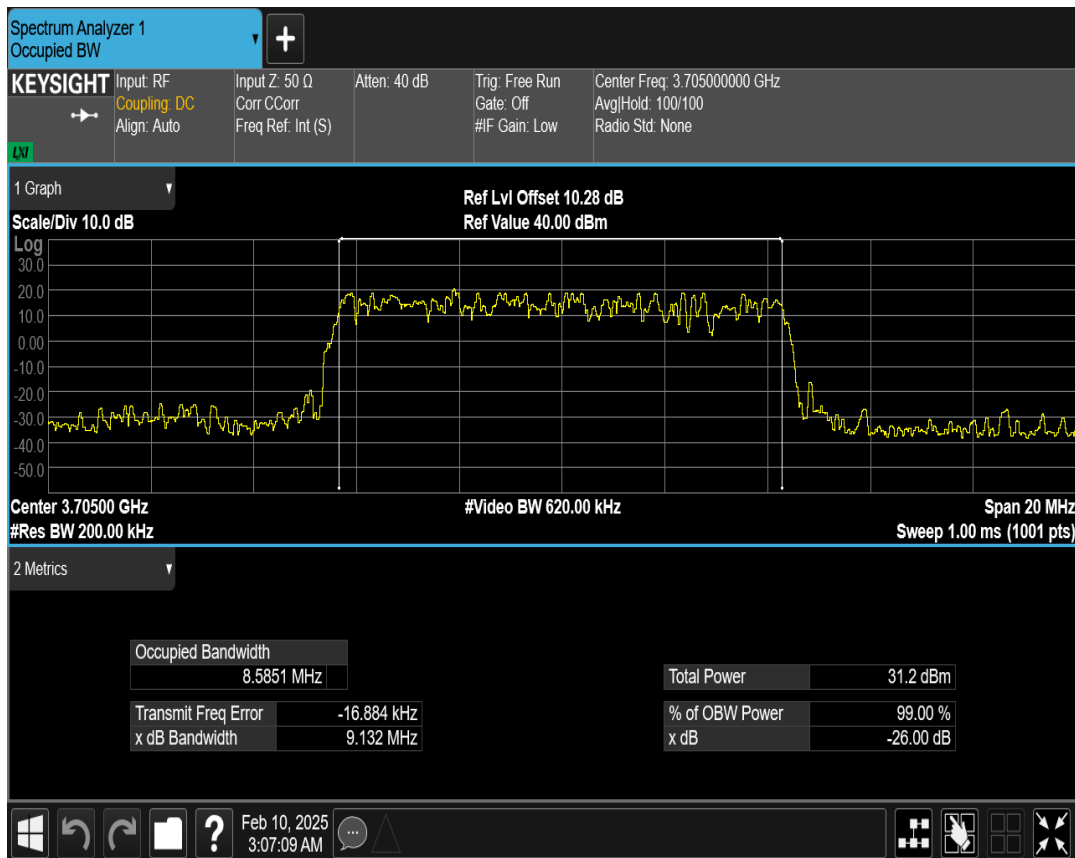
|                |    |    |        |       |            |        |        |      |
|----------------|----|----|--------|-------|------------|--------|--------|------|
| n78(3700-3800) | 30 | 20 | 647334 | 50@0  | DFT_QAM64  | 17.900 | 19.005 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 50@0  | DFT_QAM256 | 17.634 | 18.813 | PASS |
| n78(3700-3800) | 30 | 20 | 647334 | 51@0  | CP_QPSK    | 18.237 | 19.278 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 50@0  | DFT_BPSK   | 17.999 | 18.918 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 50@0  | DFT_QPSK   | 18.065 | 18.904 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 50@0  | DFT_QAM16  | 17.981 | 18.996 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 50@0  | DFT_QAM64  | 17.936 | 18.887 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 50@0  | DFT_QAM256 | 17.766 | 18.928 | PASS |
| n78(3700-3800) | 30 | 20 | 650000 | 51@0  | CP_QPSK    | 18.157 | 19.211 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 50@0  | DFT_BPSK   | 17.961 | 19.135 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 50@0  | DFT_QPSK   | 18.037 | 19.079 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 50@0  | DFT_QAM16  | 18.053 | 18.997 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 50@0  | DFT_QAM64  | 18.068 | 18.981 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 50@0  | DFT_QAM256 | 17.834 | 18.935 | PASS |
| n78(3700-3800) | 30 | 20 | 652666 | 51@0  | CP_QPSK    | 18.272 | 19.244 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 75@0  | DFT_BPSK   | 27.006 | 28.082 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 75@0  | DFT_QPSK   | 26.838 | 28.259 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 75@0  | DFT_QAM16  | 26.735 | 28.449 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 75@0  | DFT_QAM64  | 26.885 | 28.415 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 75@0  | DFT_QAM256 | 26.983 | 28.331 | PASS |
| n78(3700-3800) | 30 | 30 | 647668 | 78@0  | CP_QPSK    | 27.933 | 29.337 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 75@0  | DFT_BPSK   | 26.896 | 28.251 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 75@0  | DFT_QPSK   | 26.915 | 28.331 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 75@0  | DFT_QAM16  | 26.889 | 28.494 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 75@0  | DFT_QAM64  | 26.796 | 28.197 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 75@0  | DFT_QAM256 | 27.038 | 28.254 | PASS |
| n78(3700-3800) | 30 | 30 | 650000 | 78@0  | CP_QPSK    | 27.795 | 29.433 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 75@0  | DFT_BPSK   | 27.010 | 28.410 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 75@0  | DFT_QPSK   | 26.953 | 28.250 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 75@0  | DFT_QAM16  | 26.849 | 28.447 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 75@0  | DFT_QAM64  | 26.914 | 28.212 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 75@0  | DFT_QAM256 | 26.724 | 28.082 | PASS |
| n78(3700-3800) | 30 | 30 | 652332 | 78@0  | CP_QPSK    | 28.013 | 29.488 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 100@0 | DFT_BPSK   | 35.455 | 37.784 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 100@0 | DFT_QPSK   | 35.791 | 37.749 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 100@0 | DFT_QAM16  | 35.769 | 37.467 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 100@0 | DFT_QAM64  | 35.991 | 37.601 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 100@0 | DFT_QAM256 | 35.913 | 37.787 | PASS |
| n78(3700-3800) | 30 | 40 | 648000 | 106@0 | CP_QPSK    | 37.933 | 39.765 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 100@0 | DFT_BPSK   | 36.050 | 37.458 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 100@0 | DFT_QPSK   | 35.714 | 37.822 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 100@0 | DFT_QAM16  | 35.959 | 37.561 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 100@0 | DFT_QAM64  | 35.795 | 37.524 | PASS |

|                |    |    |        |       |            |        |        |      |
|----------------|----|----|--------|-------|------------|--------|--------|------|
| n78(3700-3800) | 30 | 40 | 650000 | 100@0 | DFT_QAM256 | 35.709 | 37.551 | PASS |
| n78(3700-3800) | 30 | 40 | 650000 | 106@0 | CP_QPSK    | 37.979 | 39.891 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 100@0 | DFT_BPSK   | 35.977 | 37.744 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 100@0 | DFT_QPSK   | 36.063 | 37.703 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 100@0 | DFT_QAM16  | 35.712 | 37.542 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 100@0 | DFT_QAM64  | 35.673 | 37.454 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 100@0 | DFT_QAM256 | 35.947 | 37.962 | PASS |
| n78(3700-3800) | 30 | 40 | 652000 | 106@0 | CP_QPSK    | 37.903 | 39.769 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 128@0 | DFT_BPSK   | 45.738 | 48.043 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 128@0 | DFT_QPSK   | 45.807 | 48.161 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 128@0 | DFT_QAM16  | 46.006 | 48.202 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 128@0 | DFT_QAM64  | 45.726 | 48.082 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 128@0 | DFT_QAM256 | 45.736 | 48.280 | PASS |
| n78(3700-3800) | 30 | 50 | 648334 | 133@0 | CP_QPSK    | 47.448 | 50.055 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 128@0 | DFT_BPSK   | 45.999 | 48.123 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 128@0 | DFT_QPSK   | 45.872 | 48.126 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 128@0 | DFT_QAM16  | 45.490 | 47.825 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 128@0 | DFT_QAM64  | 45.927 | 48.285 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 128@0 | DFT_QAM256 | 45.938 | 48.045 | PASS |
| n78(3700-3800) | 30 | 50 | 650000 | 133@0 | CP_QPSK    | 47.640 | 49.845 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 128@0 | DFT_BPSK   | 45.783 | 47.815 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 128@0 | DFT_QPSK   | 45.793 | 48.252 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 128@0 | DFT_QAM16  | 45.960 | 48.036 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 128@0 | DFT_QAM64  | 45.768 | 47.946 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 128@0 | DFT_QAM256 | 45.752 | 48.169 | PASS |
| n78(3700-3800) | 30 | 50 | 651666 | 133@0 | CP_QPSK    | 47.315 | 50.060 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 162@0 | DFT_BPSK   | 57.939 | 60.821 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 162@0 | DFT_QPSK   | 58.035 | 60.538 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 162@0 | DFT_QAM16  | 58.059 | 60.805 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 162@0 | DFT_QAM64  | 57.915 | 60.488 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 162@0 | DFT_QAM256 | 57.889 | 60.534 | PASS |
| n78(3700-3800) | 30 | 60 | 648668 | 162@0 | CP_QPSK    | 57.895 | 60.844 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 162@0 | DFT_BPSK   | 58.031 | 60.738 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 162@0 | DFT_QPSK   | 57.703 | 60.705 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 162@0 | DFT_QAM16  | 57.984 | 60.703 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 162@0 | DFT_QAM64  | 58.107 | 60.702 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 162@0 | DFT_QAM256 | 57.912 | 60.827 | PASS |
| n78(3700-3800) | 30 | 60 | 650000 | 162@0 | CP_QPSK    | 57.896 | 60.839 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 162@0 | DFT_BPSK   | 57.866 | 60.734 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 162@0 | DFT_QPSK   | 57.640 | 60.749 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 162@0 | DFT_QAM16  | 57.920 | 60.546 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 162@0 | DFT_QAM64  | 57.833 | 60.758 | PASS |
| n78(3700-3800) | 30 | 60 | 651332 | 162@0 | DFT_QAM256 | 58.006 | 60.807 | PASS |

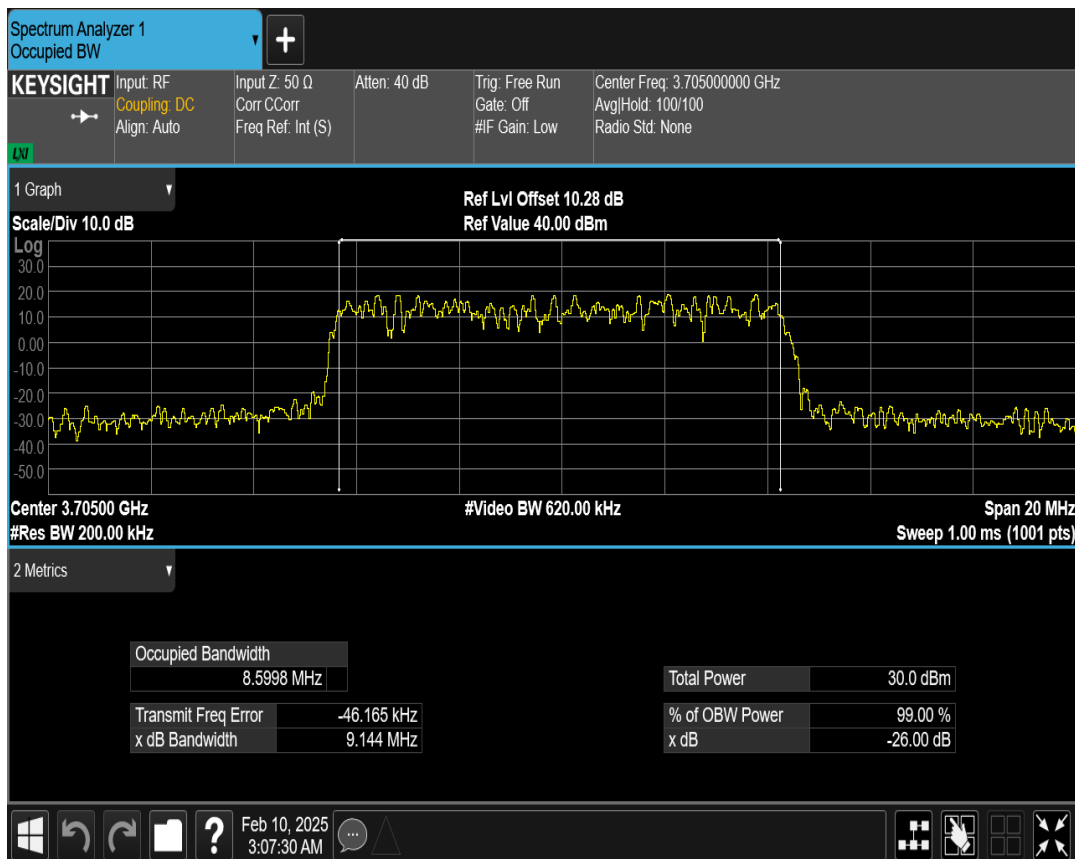
|                |    |    |        |       |            |        |        |      |
|----------------|----|----|--------|-------|------------|--------|--------|------|
| n78(3700-3800) | 30 | 60 | 651332 | 162@0 | CP_QPSK    | 57.906 | 60.768 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 180@0 | DFT_BPSK   | 64.511 | 68.042 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 180@0 | DFT_QPSK   | 64.539 | 67.985 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 180@0 | DFT_QAM16  | 64.526 | 67.369 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 180@0 | DFT_QAM64  | 64.468 | 67.893 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 180@0 | DFT_QAM256 | 64.253 | 67.693 | PASS |
| n78(3700-3800) | 30 | 70 | 649000 | 189@0 | CP_QPSK    | 67.452 | 70.952 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 180@0 | DFT_BPSK   | 64.313 | 67.562 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 180@0 | DFT_QPSK   | 64.544 | 67.902 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 180@0 | DFT_QAM16  | 64.441 | 67.577 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 180@0 | DFT_QAM64  | 64.608 | 67.929 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 180@0 | DFT_QAM256 | 64.317 | 67.356 | PASS |
| n78(3700-3800) | 30 | 70 | 650000 | 189@0 | CP_QPSK    | 67.524 | 71.038 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 180@0 | DFT_BPSK   | 64.257 | 67.560 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 180@0 | DFT_QPSK   | 64.335 | 67.862 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 180@0 | DFT_QAM16  | 64.598 | 67.635 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 180@0 | DFT_QAM64  | 64.053 | 67.551 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 180@0 | DFT_QAM256 | 64.264 | 67.872 | PASS |
| n78(3700-3800) | 30 | 70 | 651000 | 189@0 | CP_QPSK    | 67.840 | 71.447 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 216@0 | DFT_BPSK   | 77.399 | 81.105 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 216@0 | DFT_QPSK   | 77.549 | 80.926 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 216@0 | DFT_QAM16  | 76.913 | 80.828 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 216@0 | DFT_QAM64  | 77.294 | 81.016 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 216@0 | DFT_QAM256 | 77.038 | 81.161 | PASS |
| n78(3700-3800) | 30 | 80 | 649334 | 217@0 | CP_QPSK    | 78.100 | 81.212 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 216@0 | DFT_BPSK   | 77.026 | 81.128 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 216@0 | DFT_QPSK   | 76.874 | 81.053 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 216@0 | DFT_QAM16  | 76.957 | 80.840 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 216@0 | DFT_QAM64  | 76.707 | 80.872 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 216@0 | DFT_QAM256 | 77.058 | 80.907 | PASS |
| n78(3700-3800) | 30 | 80 | 650000 | 217@0 | CP_QPSK    | 77.715 | 81.145 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 216@0 | DFT_BPSK   | 76.706 | 81.050 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 216@0 | DFT_QPSK   | 77.316 | 81.129 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 216@0 | DFT_QAM16  | 77.249 | 80.937 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 216@0 | DFT_QAM64  | 76.859 | 80.738 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 216@0 | DFT_QAM256 | 77.135 | 80.764 | PASS |
| n78(3700-3800) | 30 | 80 | 650666 | 217@0 | CP_QPSK    | 78.035 | 80.862 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 240@0 | DFT_BPSK   | 85.834 | 90.107 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 240@0 | DFT_QPSK   | 85.966 | 90.356 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 240@0 | DFT_QAM16  | 85.390 | 90.109 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 240@0 | DFT_QAM64  | 85.903 | 89.876 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 240@0 | DFT_QAM256 | 85.793 | 90.340 | PASS |
| n78(3700-3800) | 30 | 90 | 649668 | 245@0 | CP_QPSK    | 87.669 | 92.207 | PASS |

|                |    |     |        |       |            |        |         |      |
|----------------|----|-----|--------|-------|------------|--------|---------|------|
| n78(3700-3800) | 30 | 90  | 650000 | 240@0 | DFT_BPSK   | 85.340 | 89.382  | PASS |
| n78(3700-3800) | 30 | 90  | 650000 | 240@0 | DFT_QPSK   | 85.168 | 89.401  | PASS |
| n78(3700-3800) | 30 | 90  | 650000 | 240@0 | DFT_QAM16  | 86.015 | 90.076  | PASS |
| n78(3700-3800) | 30 | 90  | 650000 | 240@0 | DFT_QAM64  | 85.626 | 89.827  | PASS |
| n78(3700-3800) | 30 | 90  | 650000 | 240@0 | DFT_QAM256 | 85.911 | 90.127  | PASS |
| n78(3700-3800) | 30 | 90  | 650000 | 245@0 | CP_QPSK    | 87.477 | 91.822  | PASS |
| n78(3700-3800) | 30 | 90  | 650332 | 240@0 | DFT_BPSK   | 85.717 | 89.901  | PASS |
| n78(3700-3800) | 30 | 90  | 650332 | 240@0 | DFT_QPSK   | 85.732 | 90.225  | PASS |
| n78(3700-3800) | 30 | 90  | 650332 | 240@0 | DFT_QAM16  | 85.763 | 89.937  | PASS |
| n78(3700-3800) | 30 | 90  | 650332 | 240@0 | DFT_QAM64  | 85.618 | 90.078  | PASS |
| n78(3700-3800) | 30 | 90  | 650332 | 240@0 | DFT_QAM256 | 85.865 | 90.362  | PASS |
| n78(3700-3800) | 30 | 90  | 650332 | 245@0 | CP_QPSK    | 87.637 | 91.655  | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 270@0 | DFT_BPSK   | 96.529 | 101.161 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 270@0 | DFT_QPSK   | 96.474 | 100.945 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 270@0 | DFT_QAM16  | 96.813 | 101.080 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 270@0 | DFT_QAM64  | 96.445 | 101.592 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 270@0 | DFT_QAM256 | 96.608 | 101.558 | PASS |
| n78(3700-3800) | 30 | 100 | 650000 | 273@0 | CP_QPSK    | 97.622 | 102.153 | PASS |

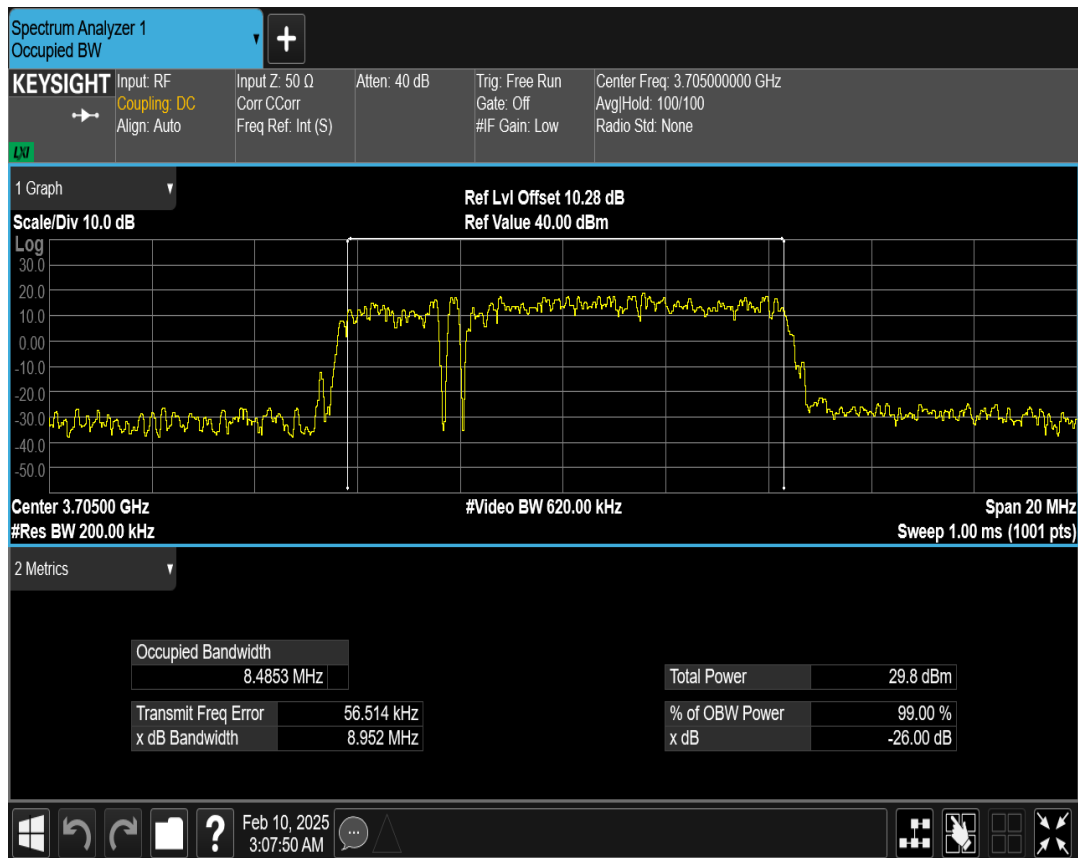
n78(3700-3800) SCS=30kHz DFT\_BPSK BW=10MHz Channel=647000 RB=24@0



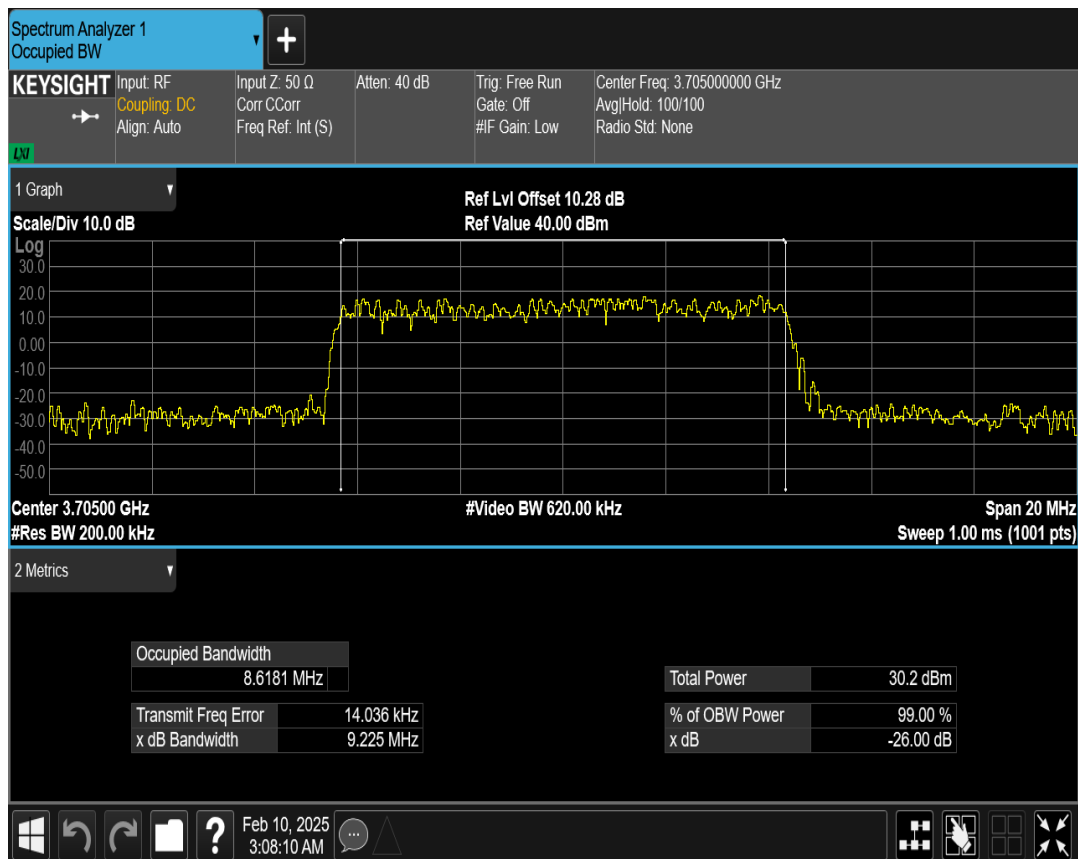
n78(3700-3800) SCS=30kHz DFT\_QPSK BW=10MHz Channel=647000 RB=24@0



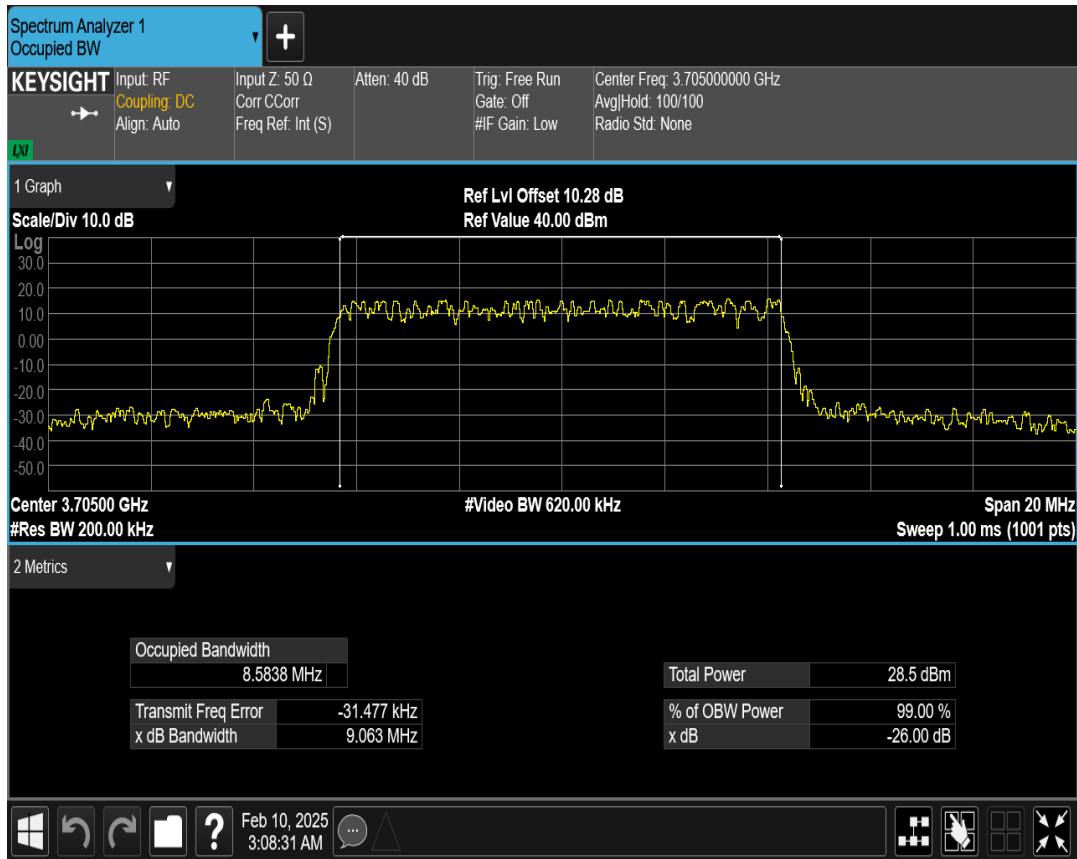
n78(3700-3800) SCS=30kHz DFT\_QAM16 BW=10MHz Channel=647000 RB=24@0



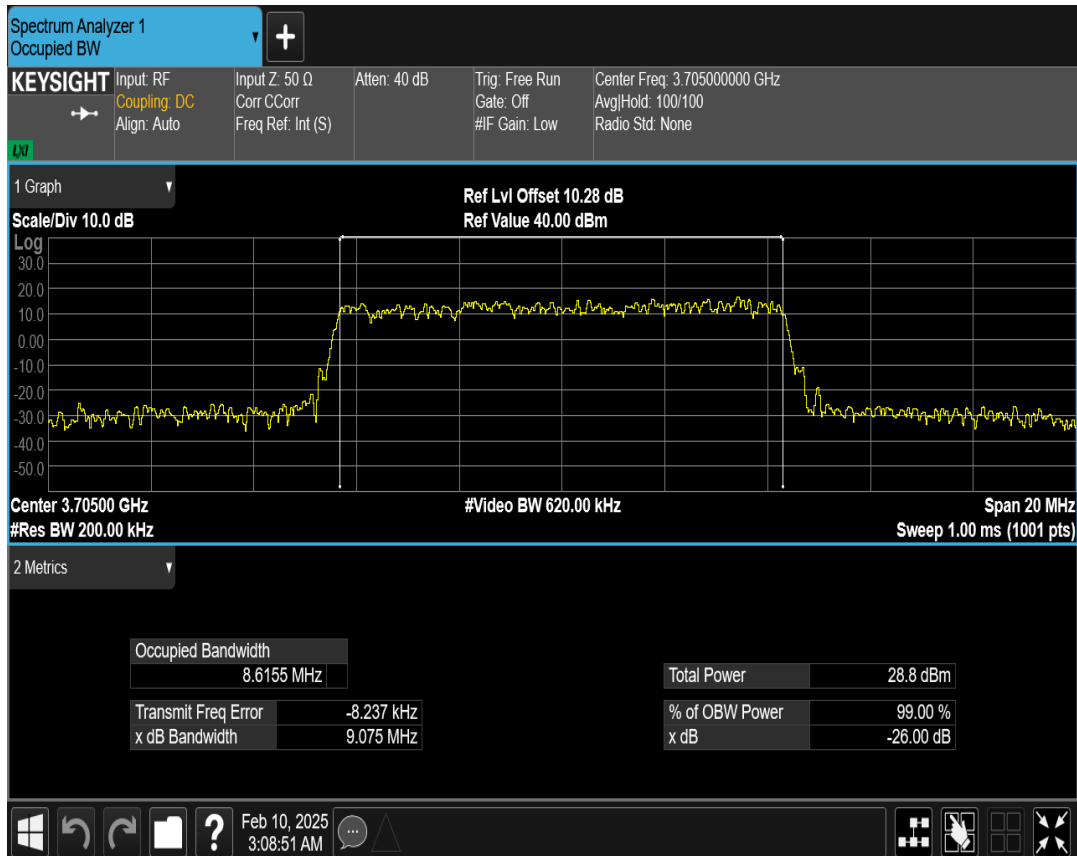
n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=10MHz Channel=647000 RB=24@0



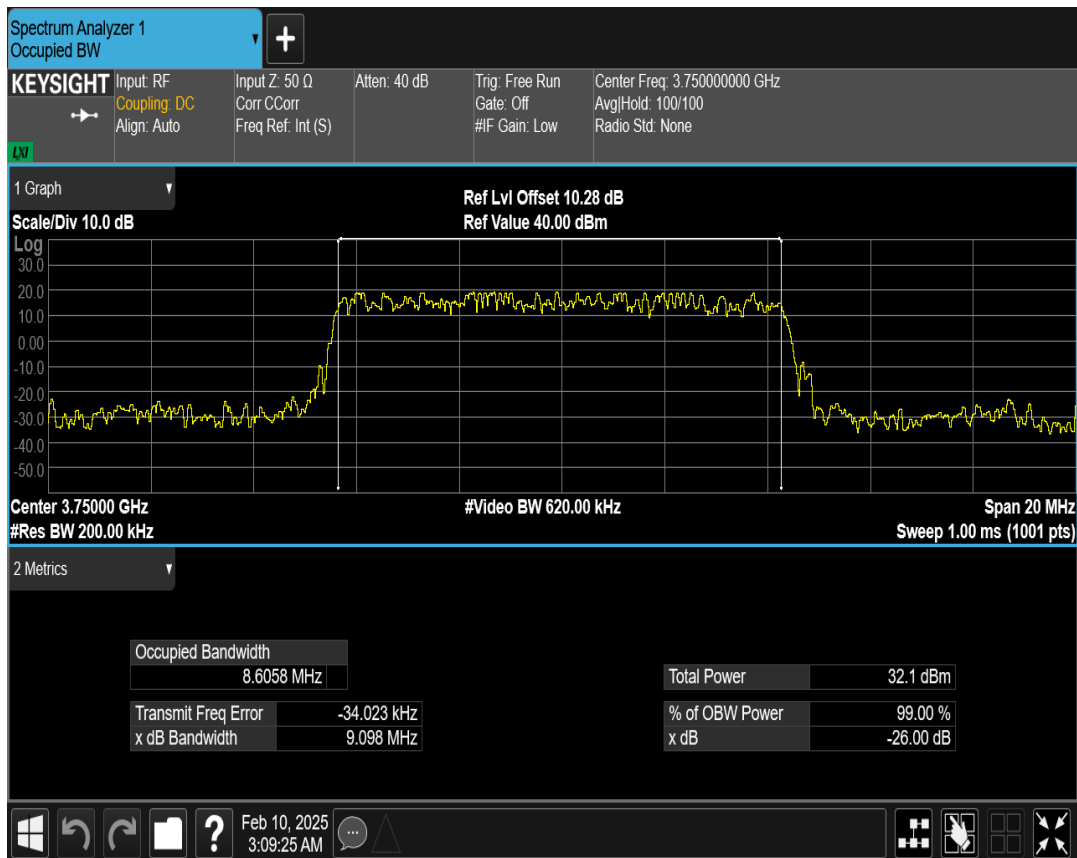
n78(3700-3800) SCS=30kHz DFT\_QAM256 BW=10MHz Channel=647000 RB=24@0



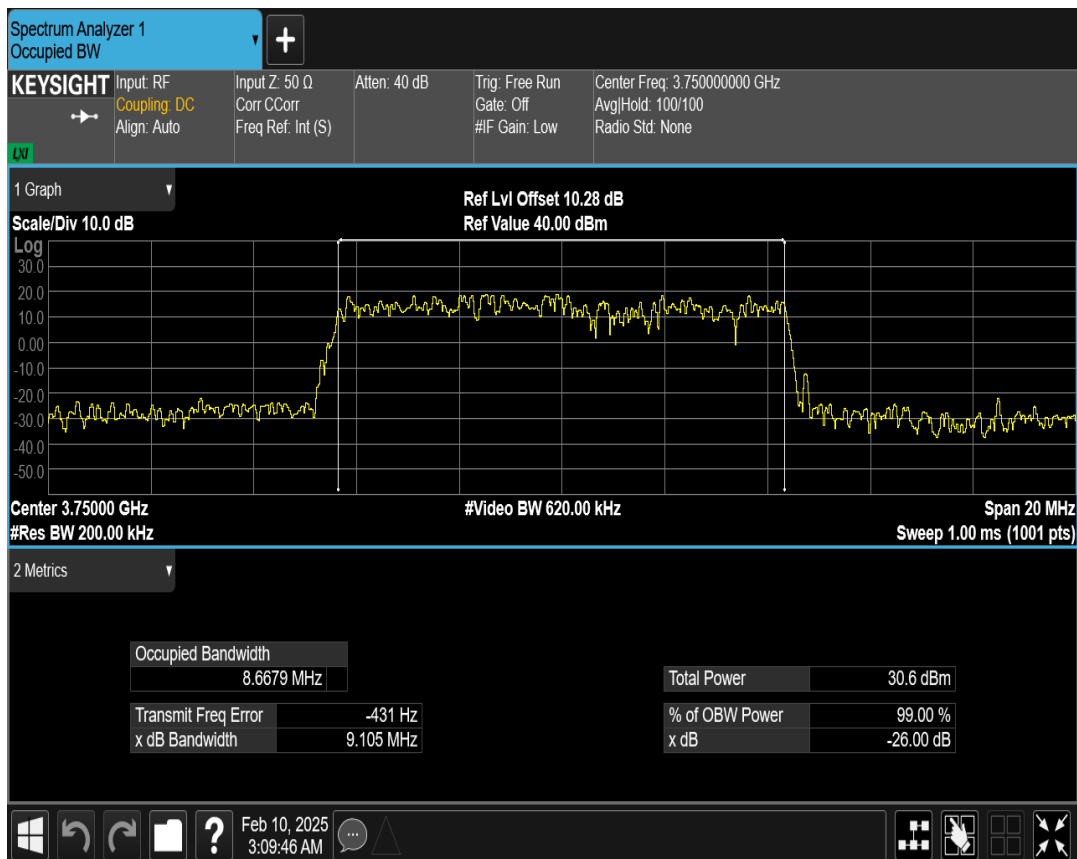
n78(3700-3800) SCS=30kHz CP\_QPSK BW=10MHz Channel=647000 RB=24@0



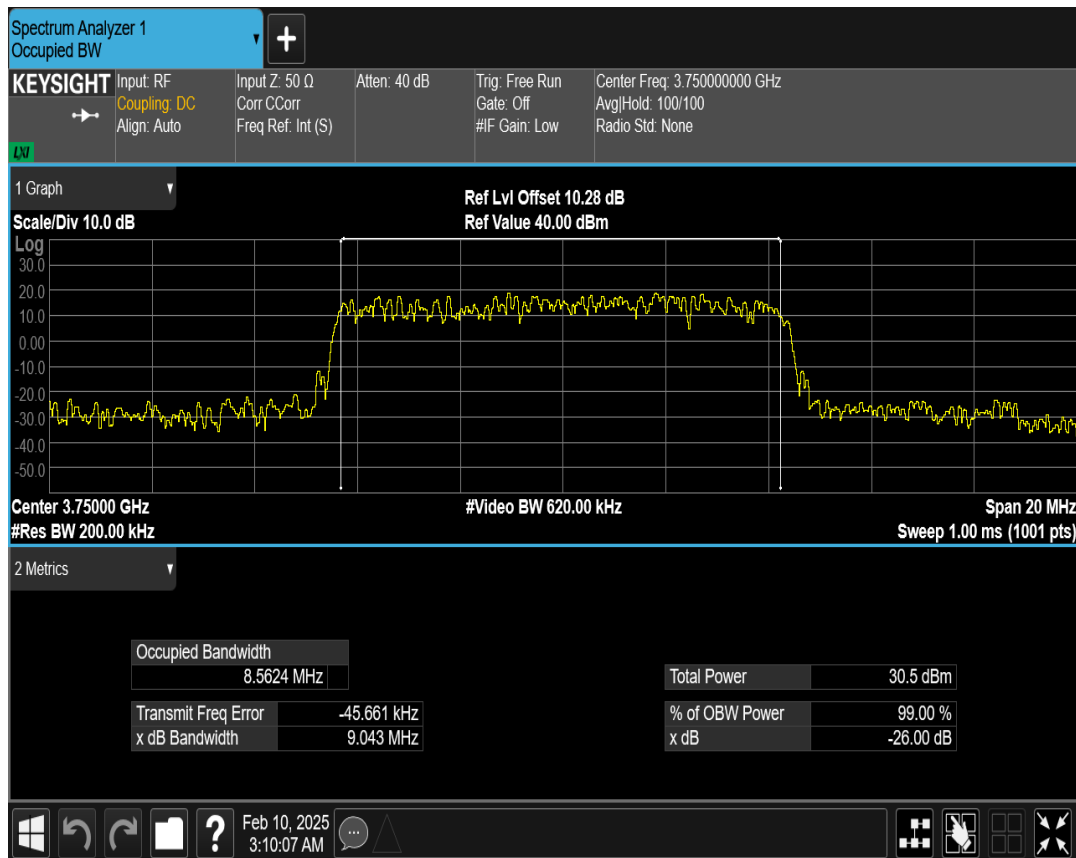
n78(3700-3800) SCS=30kHz DFT\_BPSK BW=10MHz Channel=650000 RB=24@0



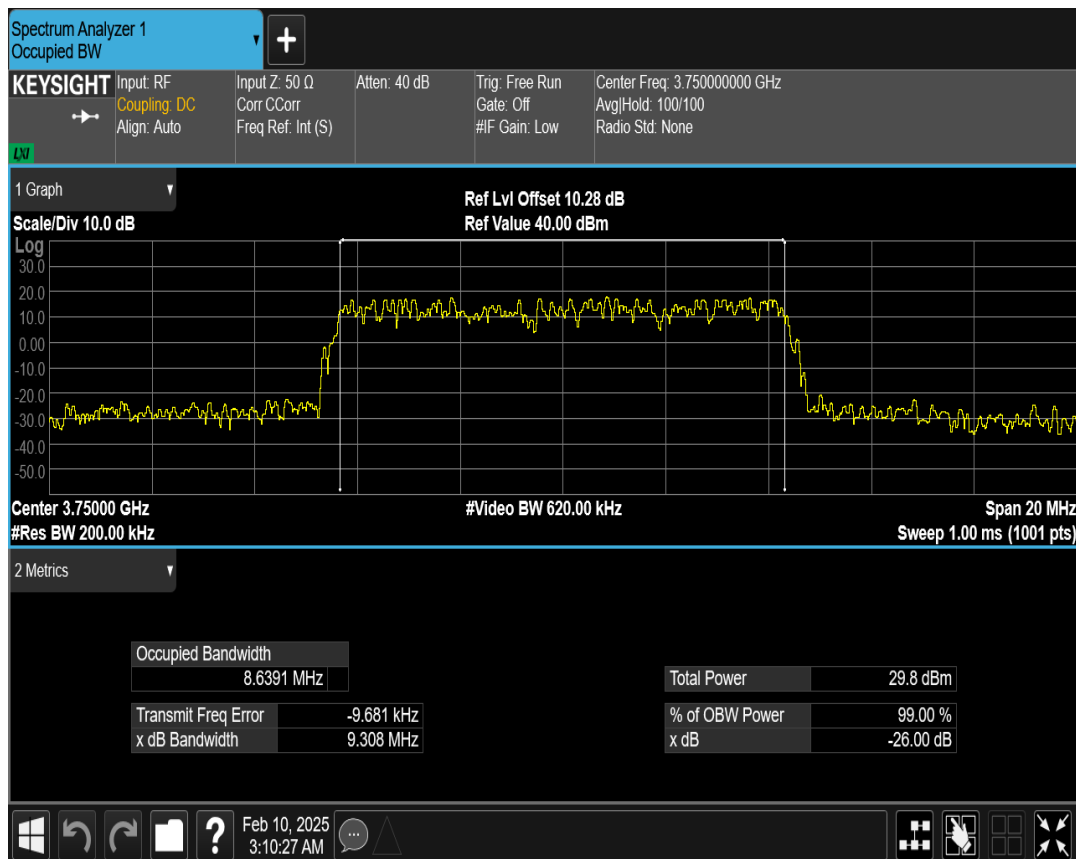
n78(3700-3800) SCS=30kHz DFT\_QPSK BW=10MHz Channel=650000 RB=24@0



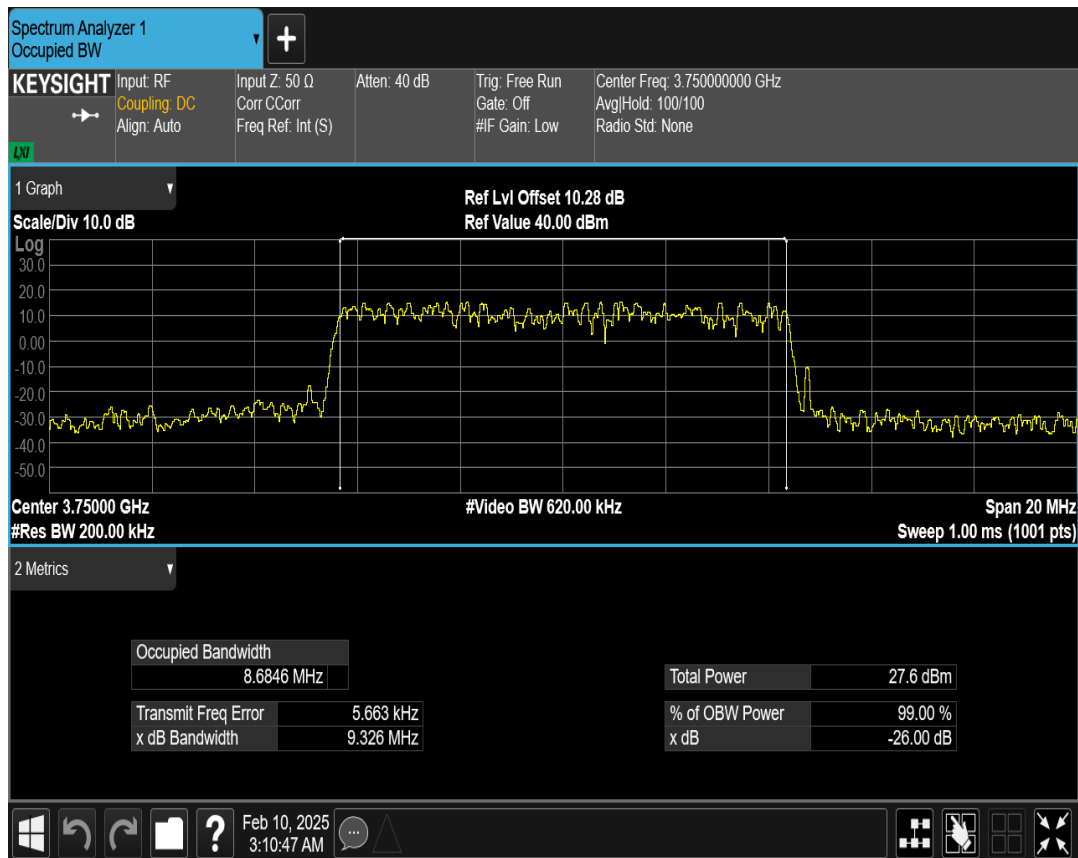
n78(3700-3800) SCS=30kHz DFT\_QAM16 BW=10MHz Channel=650000 RB=24@0



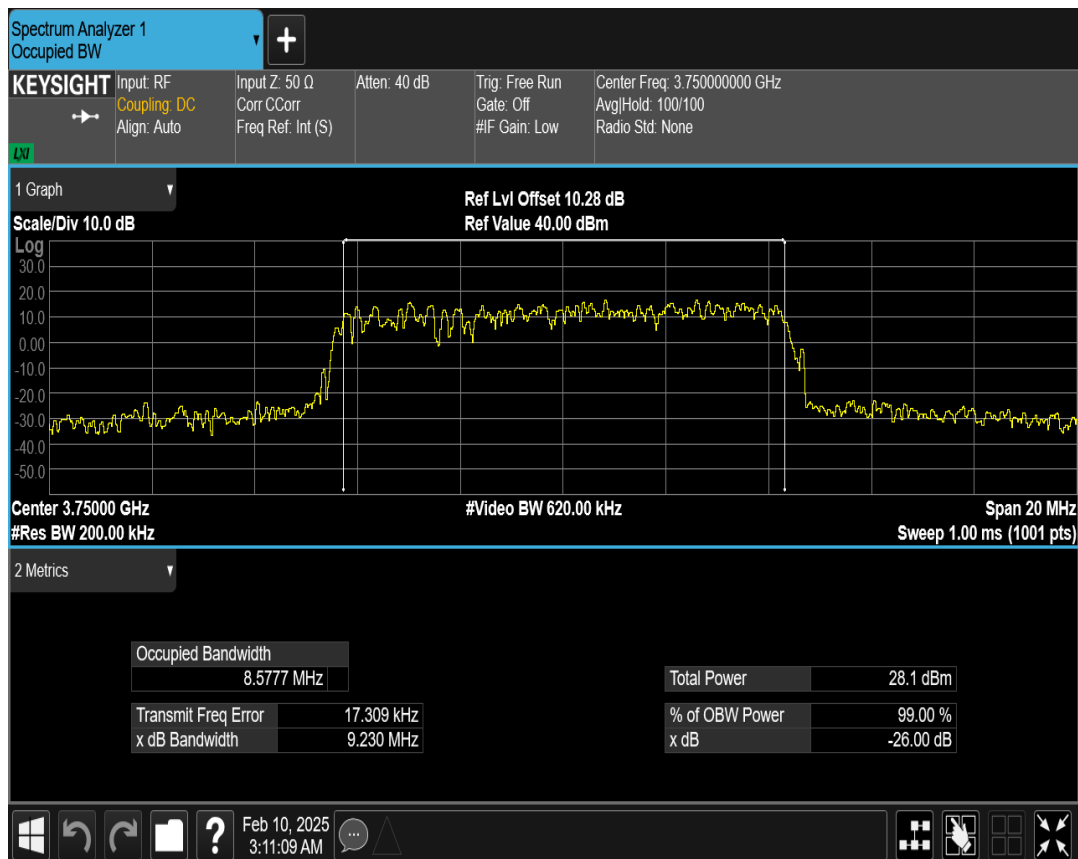
n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=10MHz Channel=650000 RB=24@0



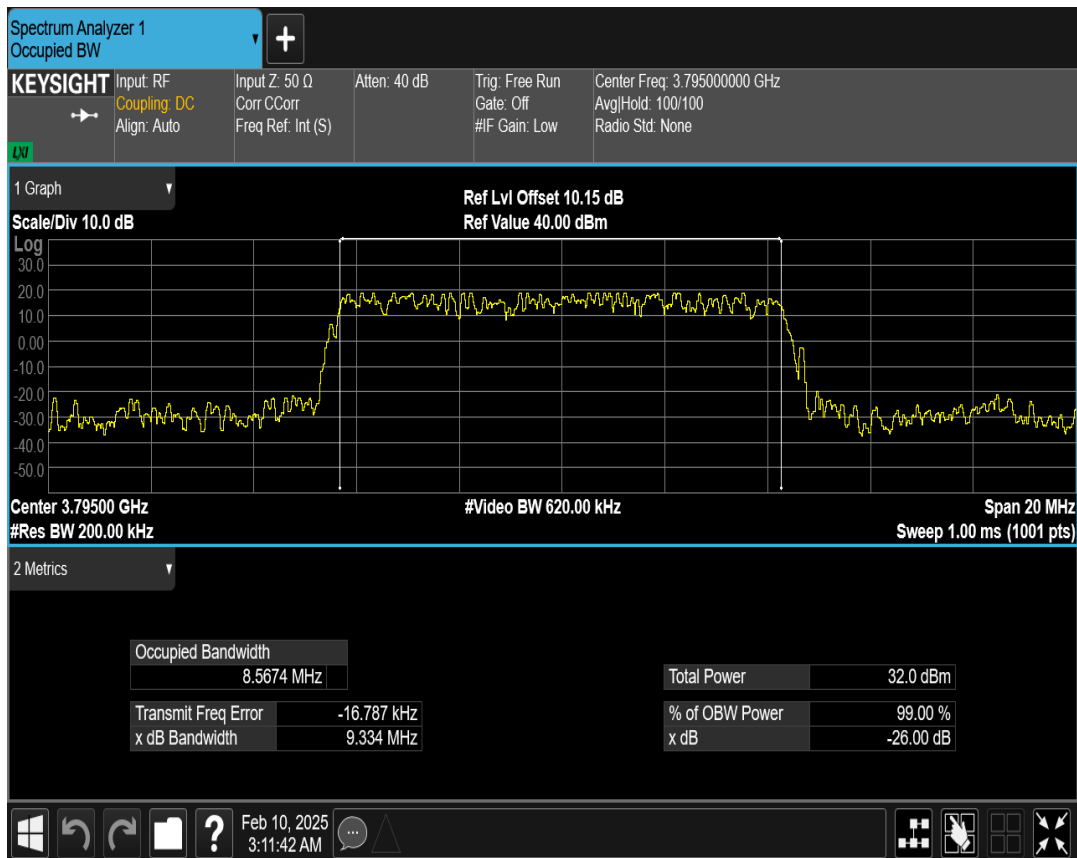
n78(3700-3800) SCS=30kHz DFT\_QAM256 BW=10MHz Channel=650000 RB=24@0



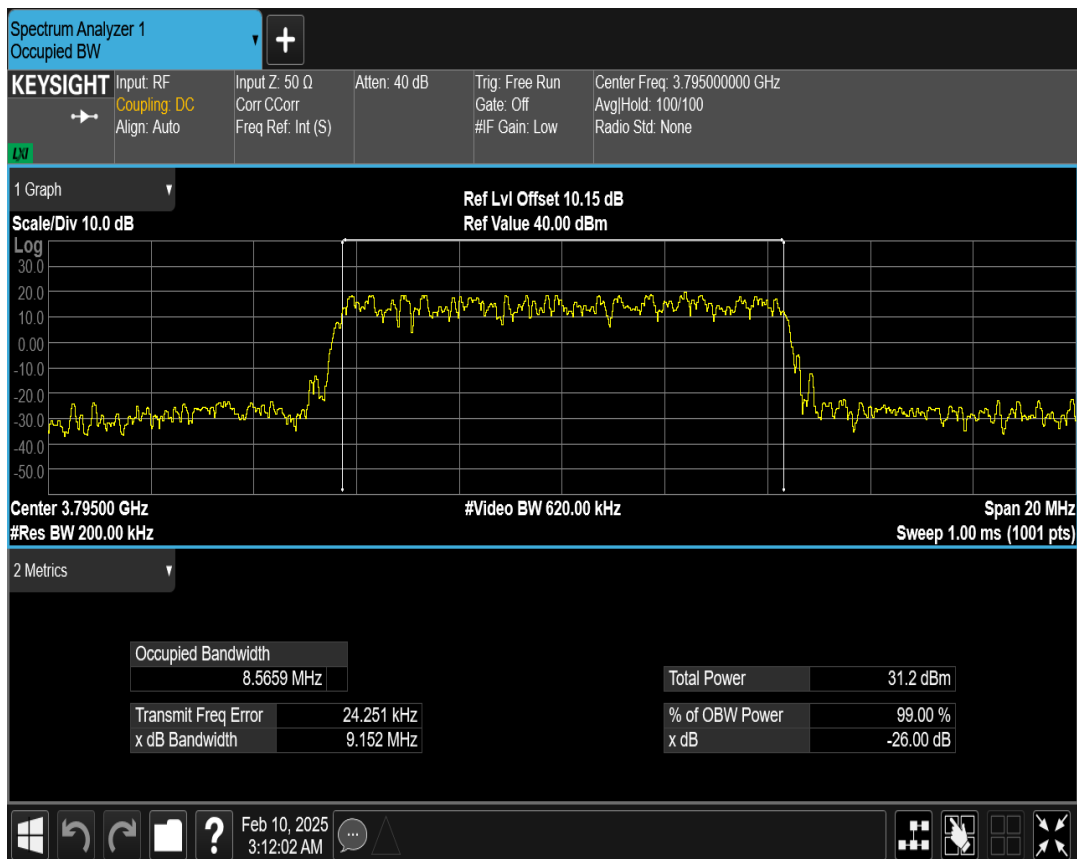
n78(3700-3800) SCS=30kHz CP\_QPSK BW=10MHz Channel=650000 RB=24@0



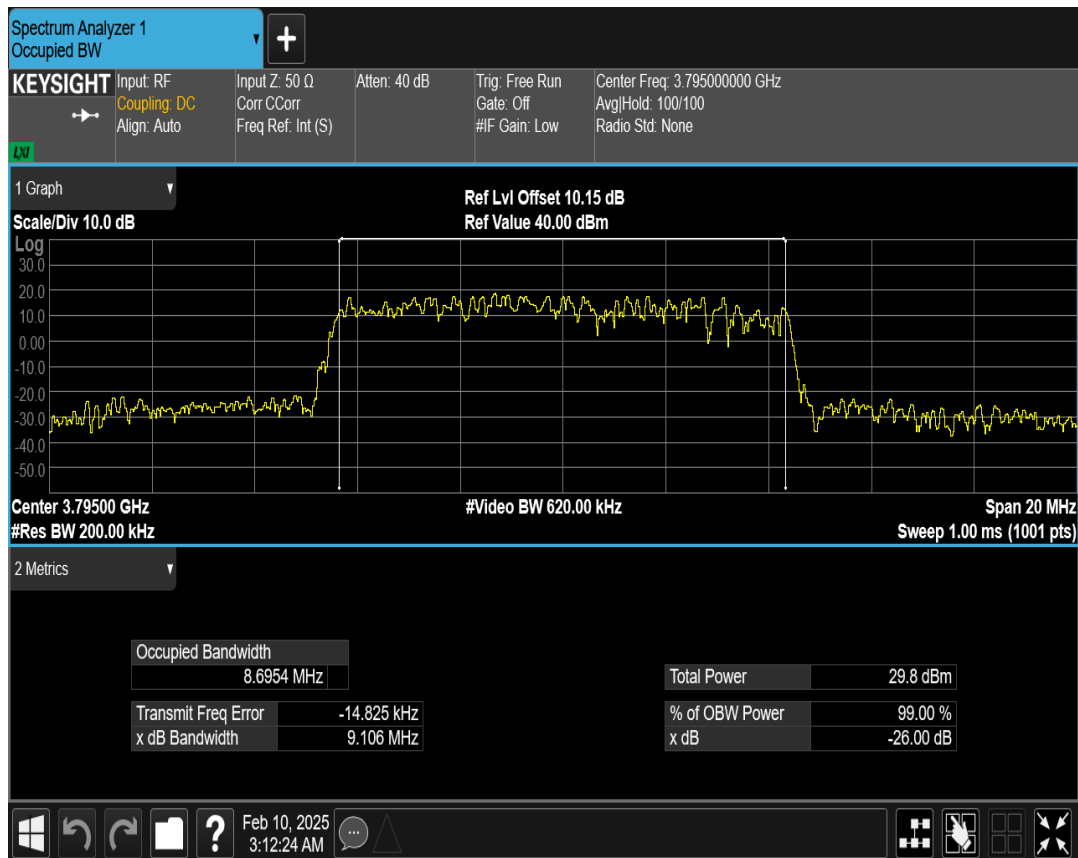
n78(3700-3800) SCS=30kHz DFT\_BPSK BW=10MHz Channel=653000 RB=24@0



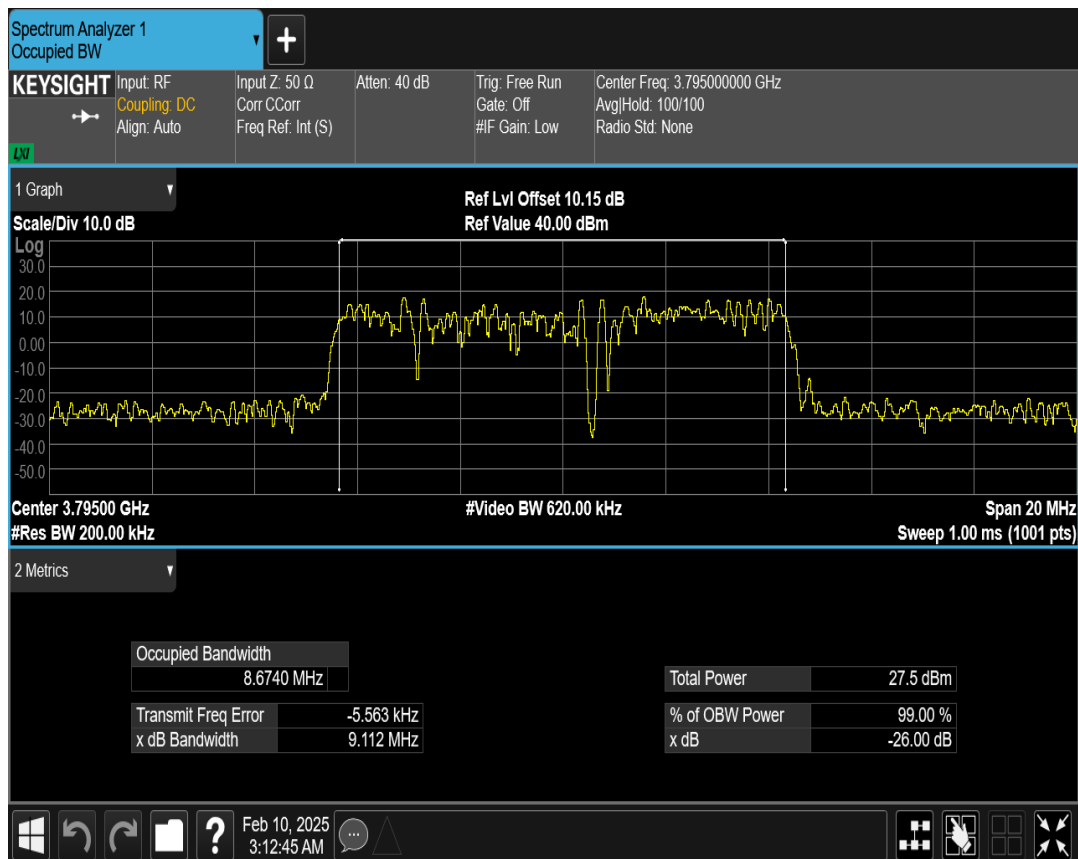
n78(3700-3800) SCS=30kHz DFT\_QPSK BW=10MHz Channel=653000 RB=24@0



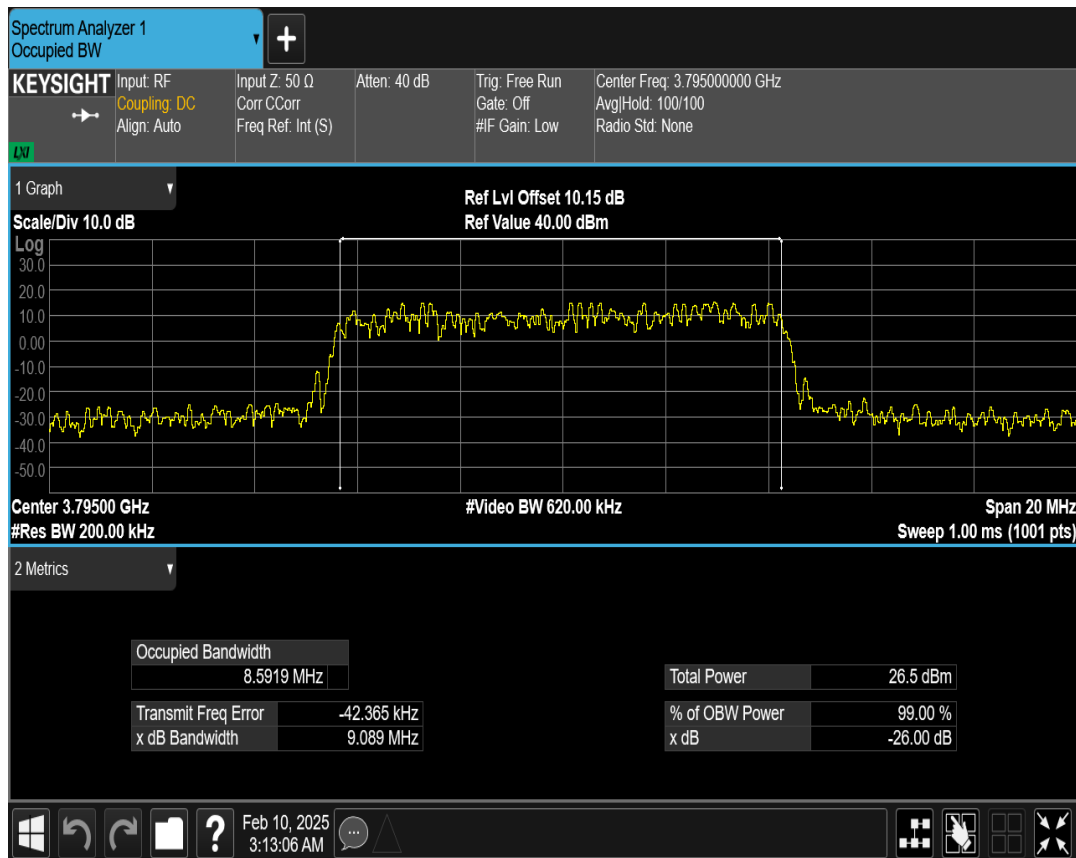
n78(3700-3800) SCS=30kHz DFT\_QAM16 BW=10MHz Channel=653000 RB=24@0



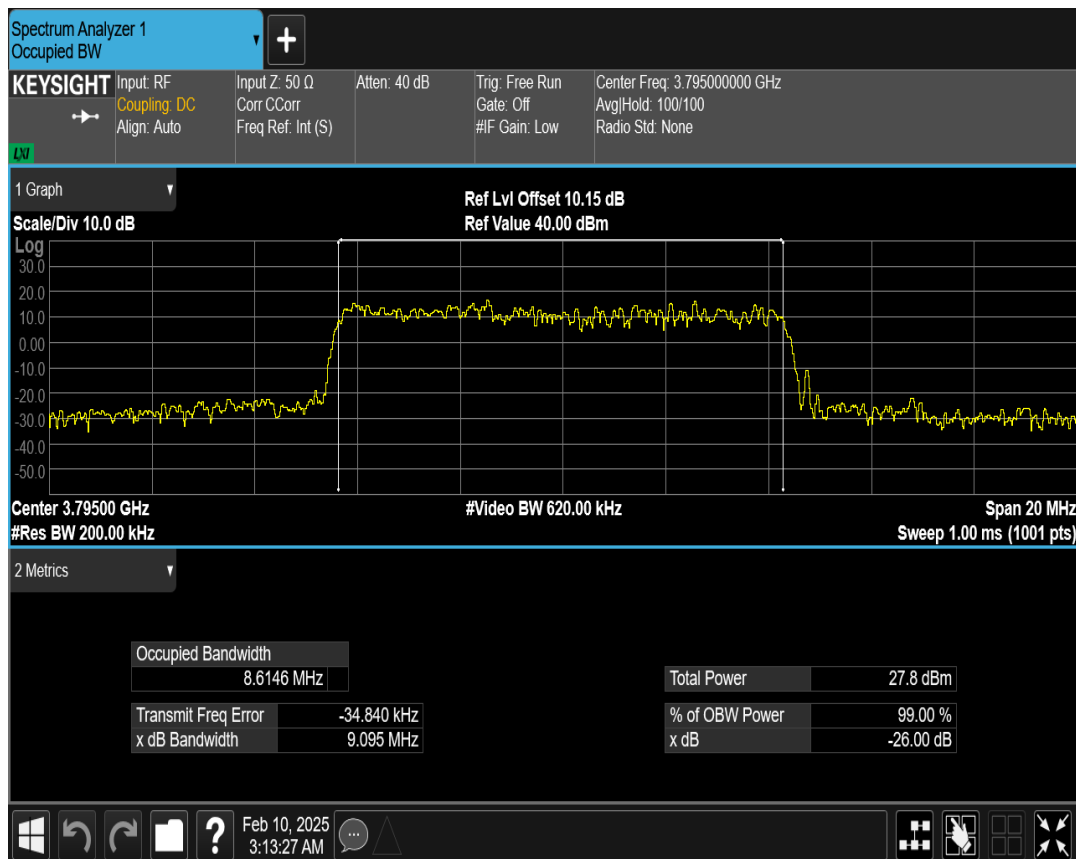
n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=10MHz Channel=653000 RB=24@0



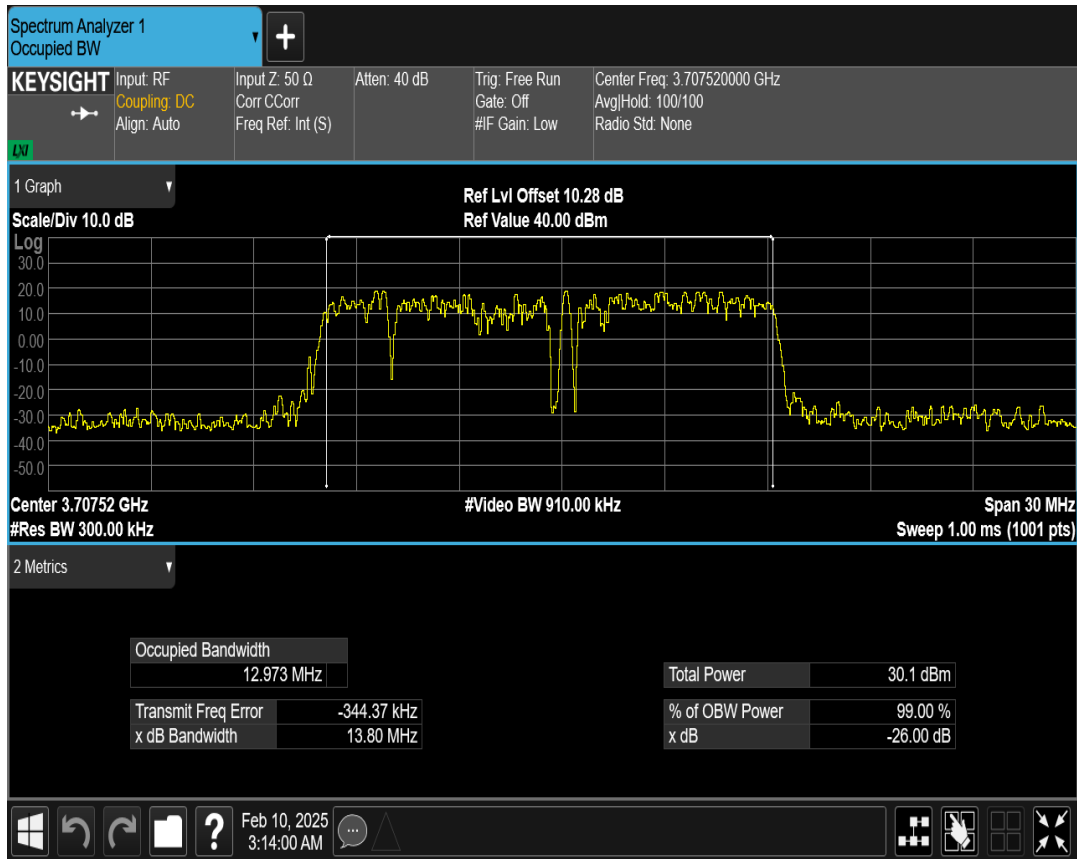
n78(3700-3800) SCS=30kHz DFT\_QAM256 BW=10MHz Channel=653000 RB=24@0



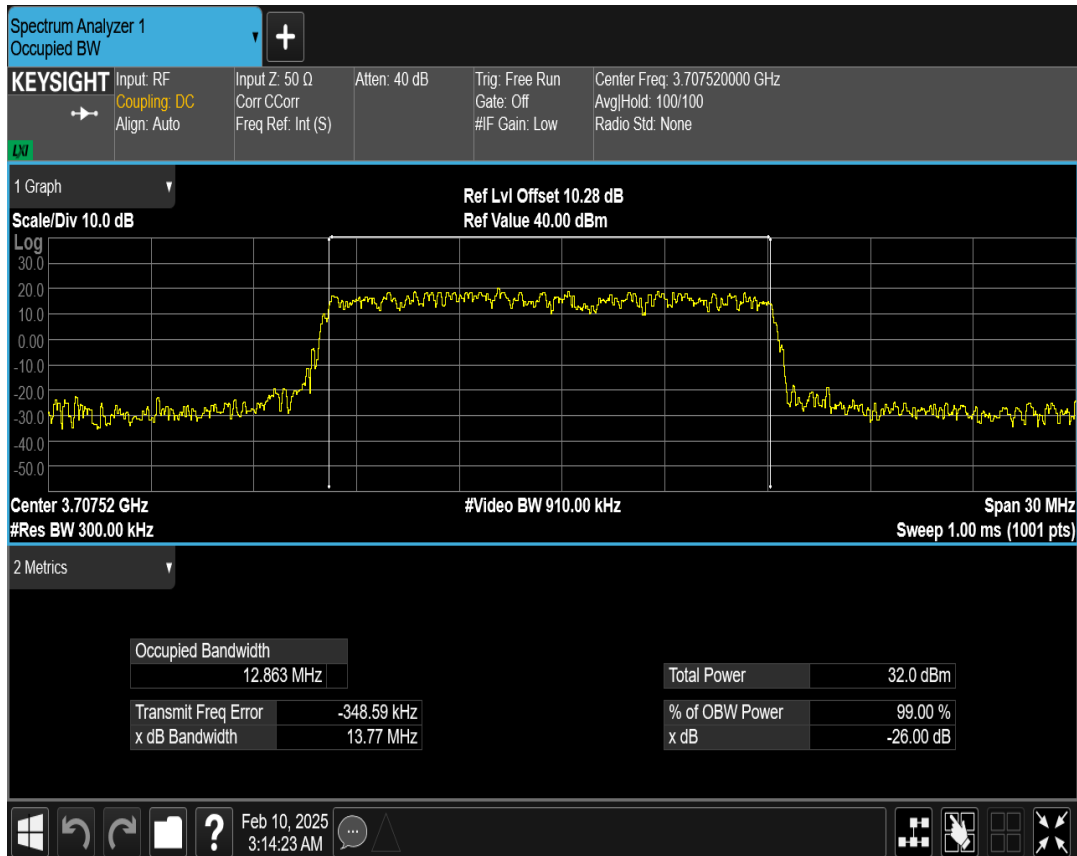
n78(3700-3800) SCS=30kHz CP\_QPSK BW=10MHz Channel=653000 RB=24@0



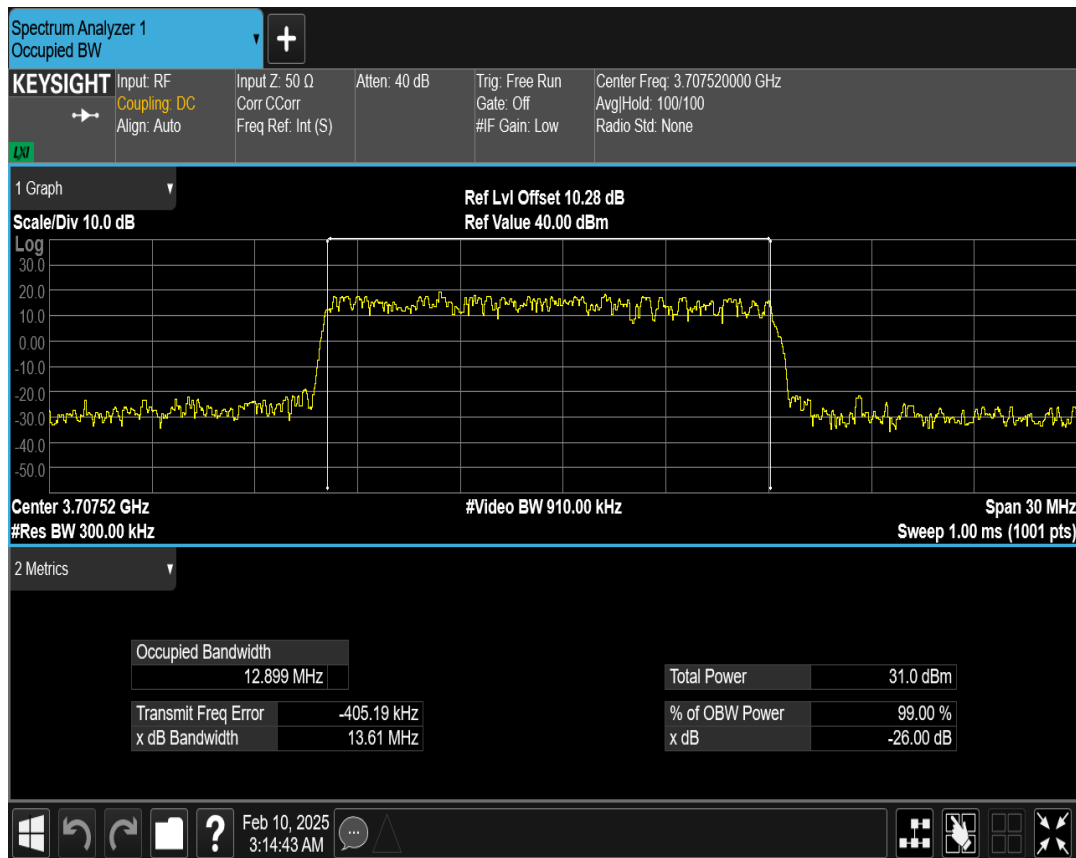
n78(3700-3800) SCS=30kHz DFT\_BPSK BW=15MHz Channel=647168 RB=36@0



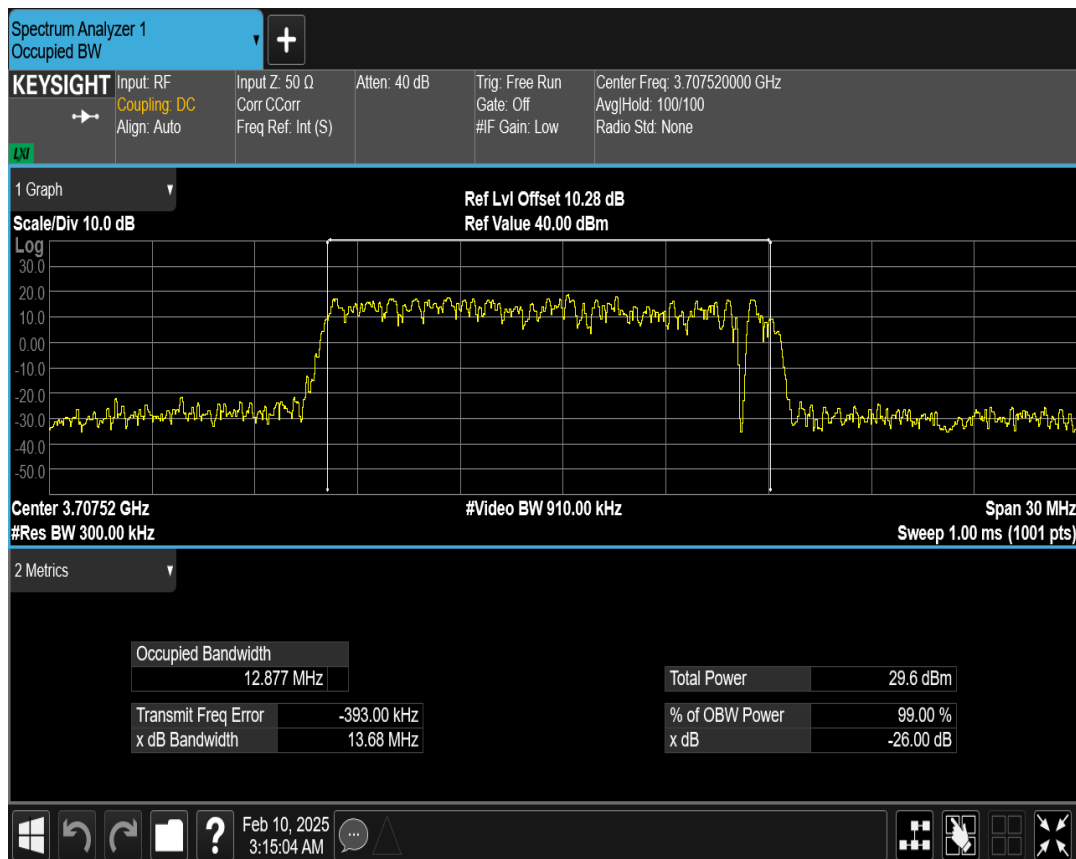
n78(3700-3800) SCS=30kHz DFT\_QPSK BW=15MHz Channel=647168 RB=36@0



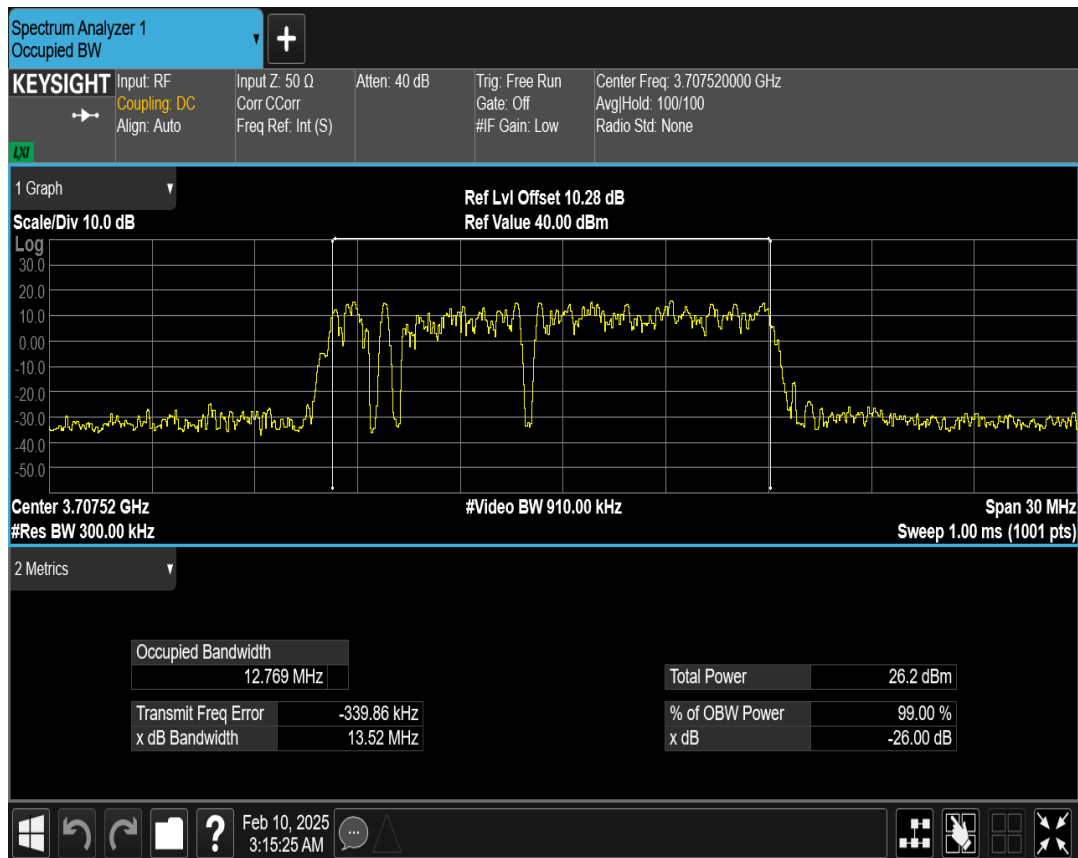
n78(3700-3800) SCS=30kHz DFT\_QAM16 BW=15MHz Channel=647168 RB=36@0



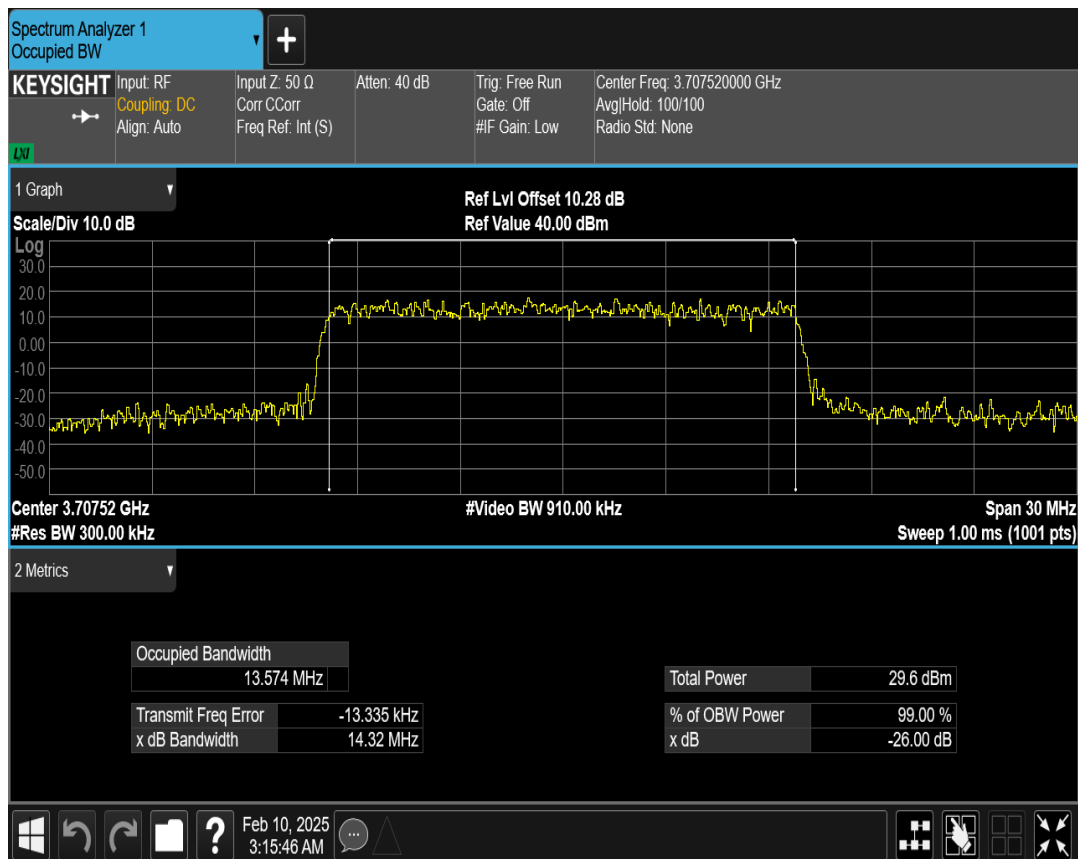
n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=15MHz Channel=647168 RB=36@0



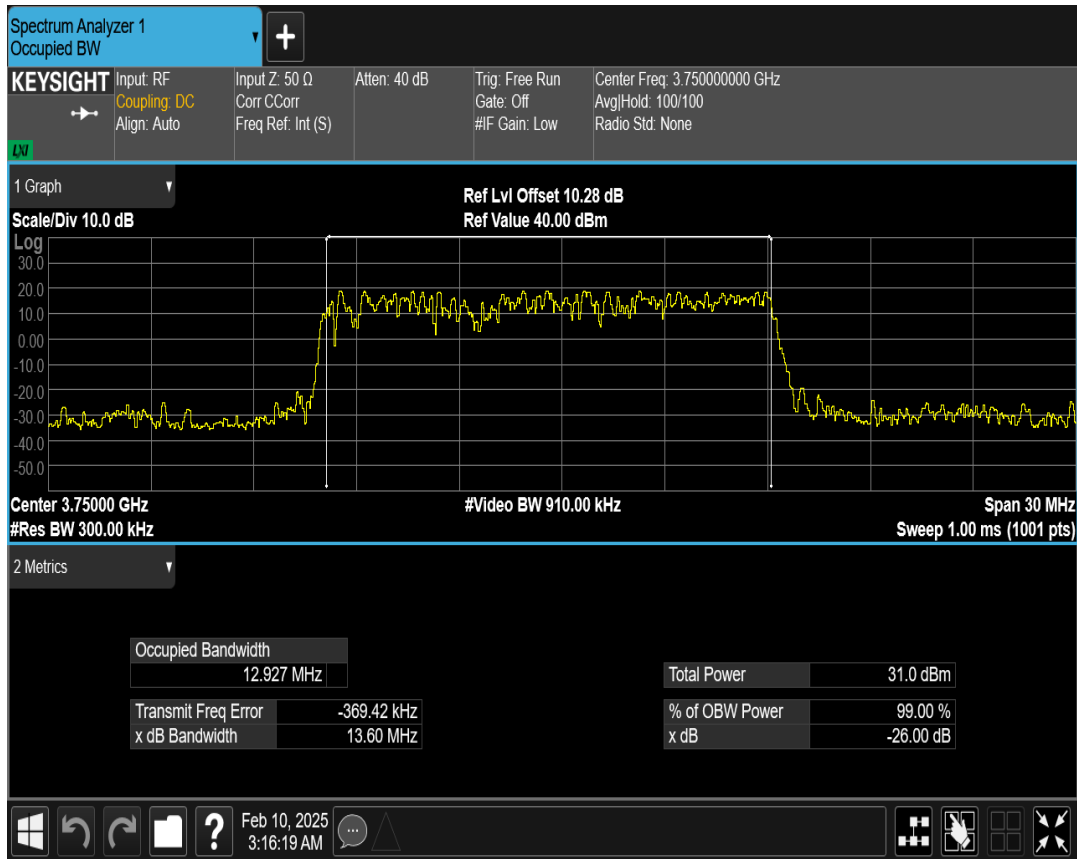
n78(3700-3800) SCS=30kHz DFT\_QAM256 BW=15MHz Channel=647168 RB=36@0



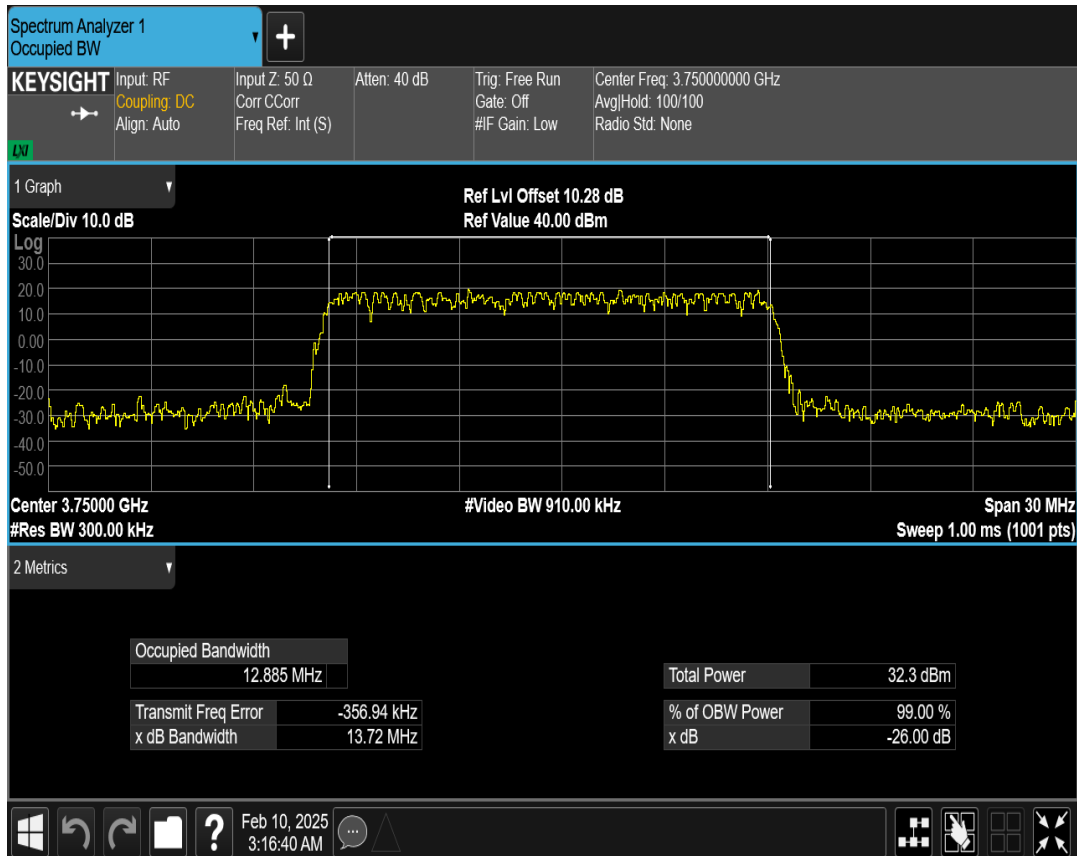
n78(3700-3800) SCS=30kHz CP\_QPSK BW=15MHz Channel=647168 RB=38@0



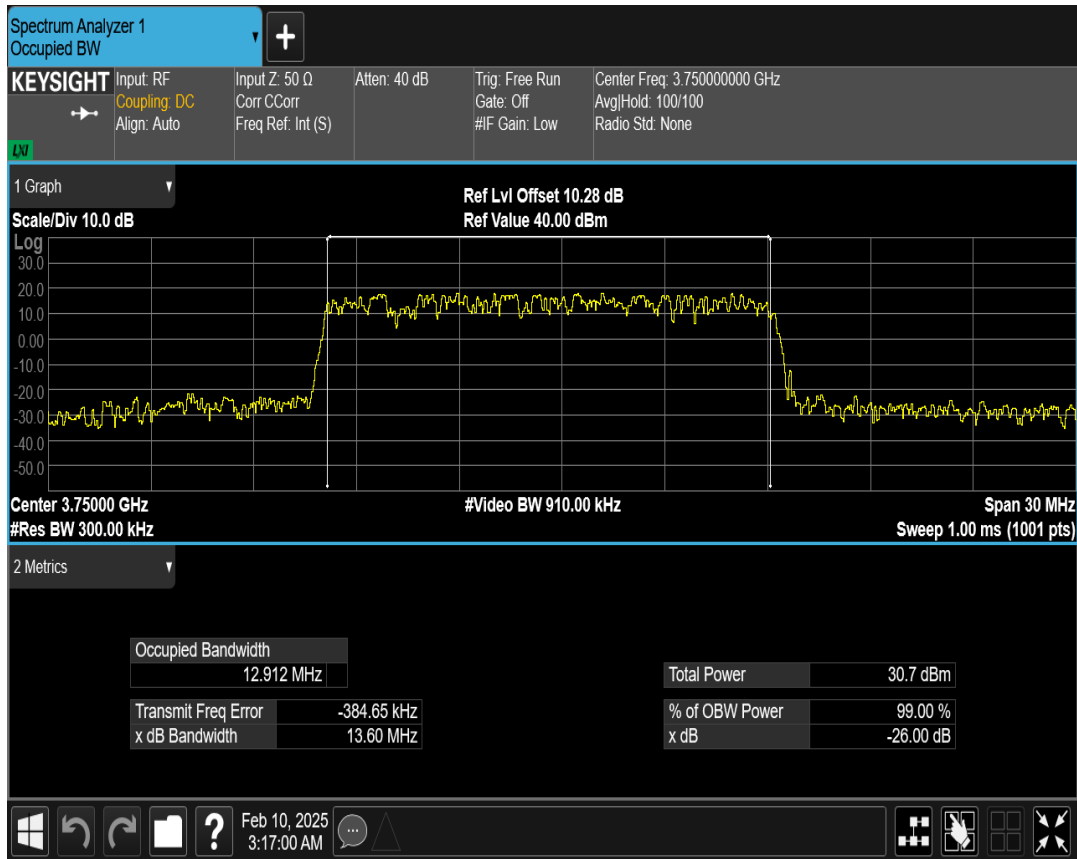
n78(3700-3800) SCS=30kHz DFT\_BPSK BW=15MHz Channel=650000 RB=36@0



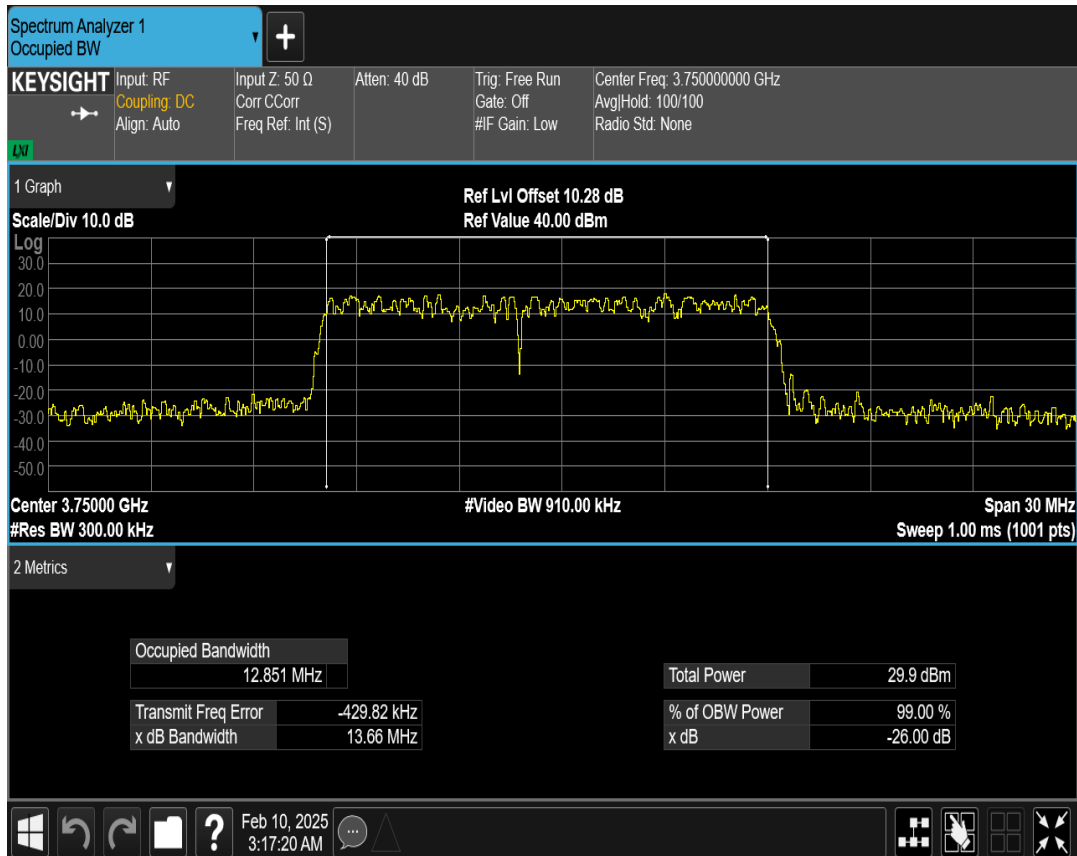
n78(3700-3800) SCS=30kHz DFT\_QPSK BW=15MHz Channel=650000 RB=36@0



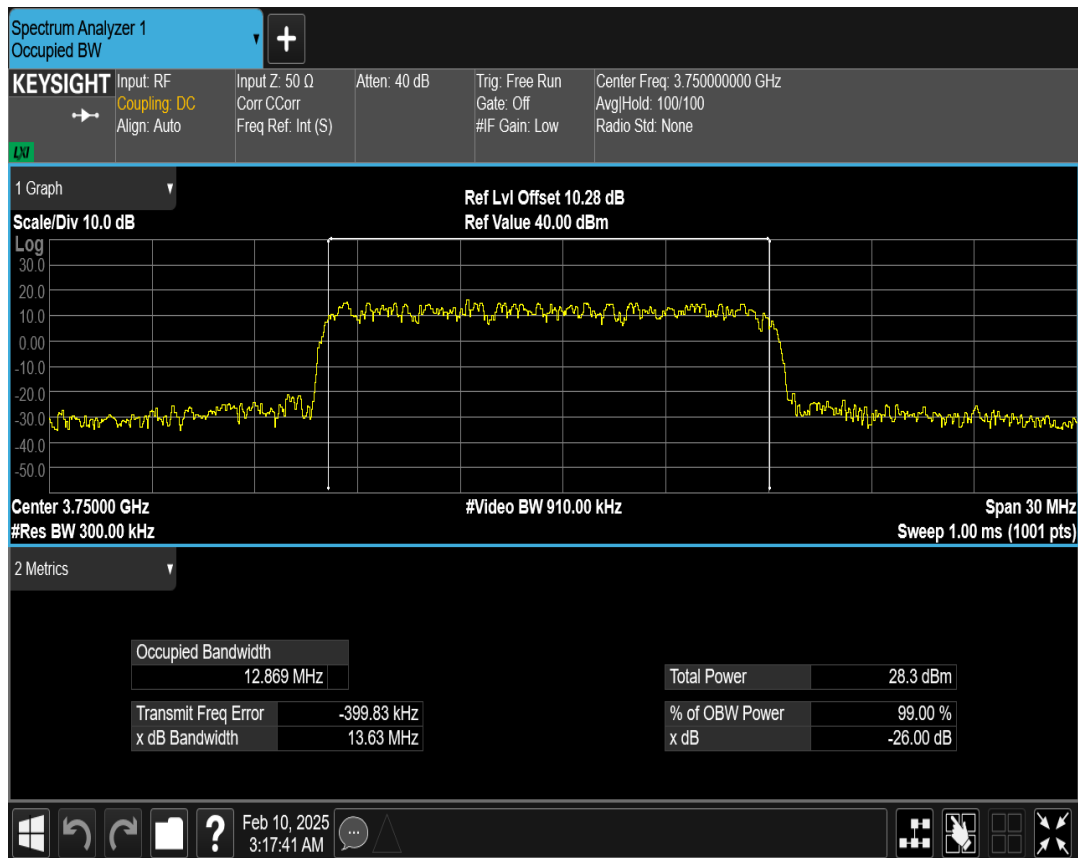
n78(3700-3800) SCS=30kHz DFT\_QAM16 BW=15MHz Channel=650000 RB=36@0



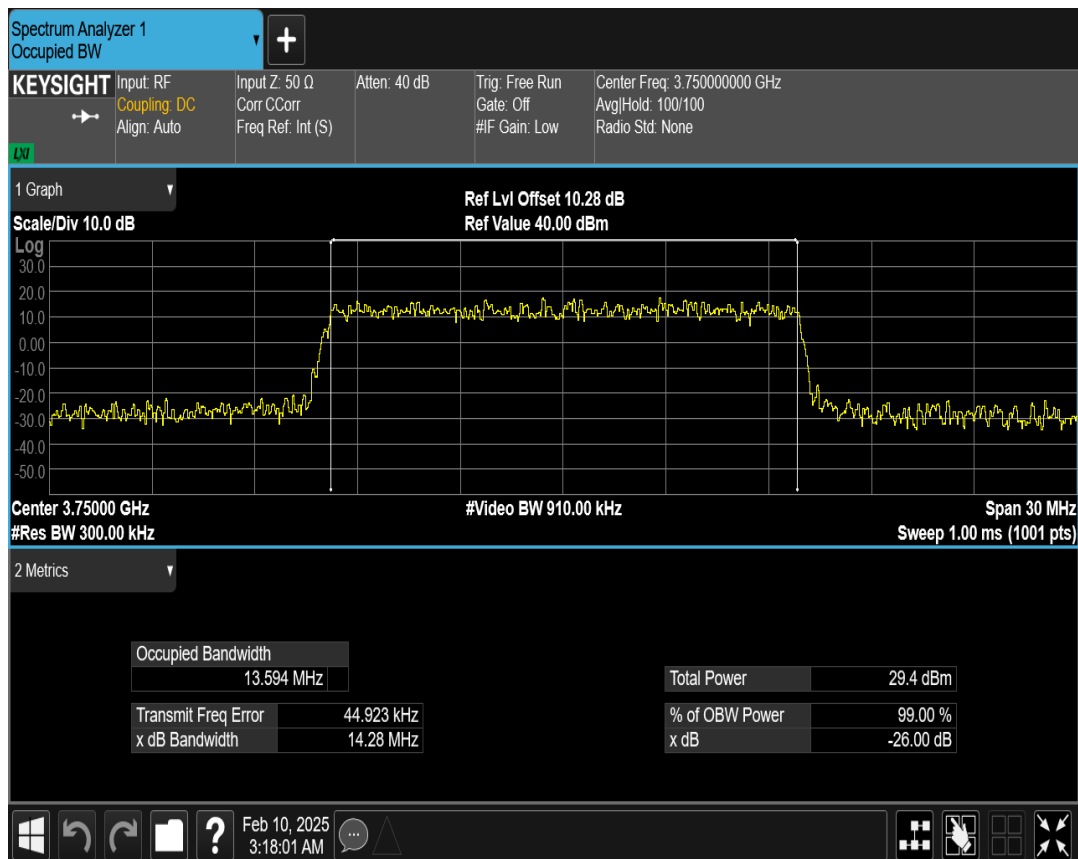
n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=15MHz Channel=650000 RB=36@0



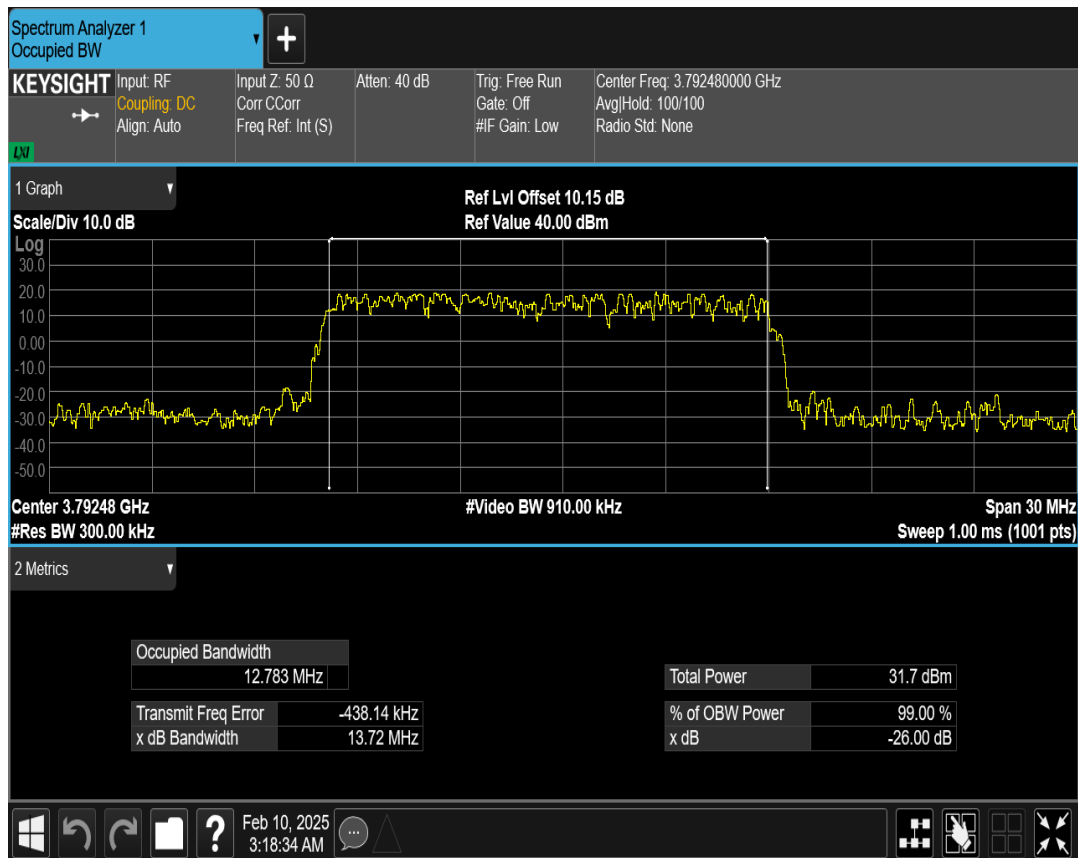
n78(3700-3800) SCS=30kHz DFT\_QAM256 BW=15MHz Channel=650000 RB=36@0



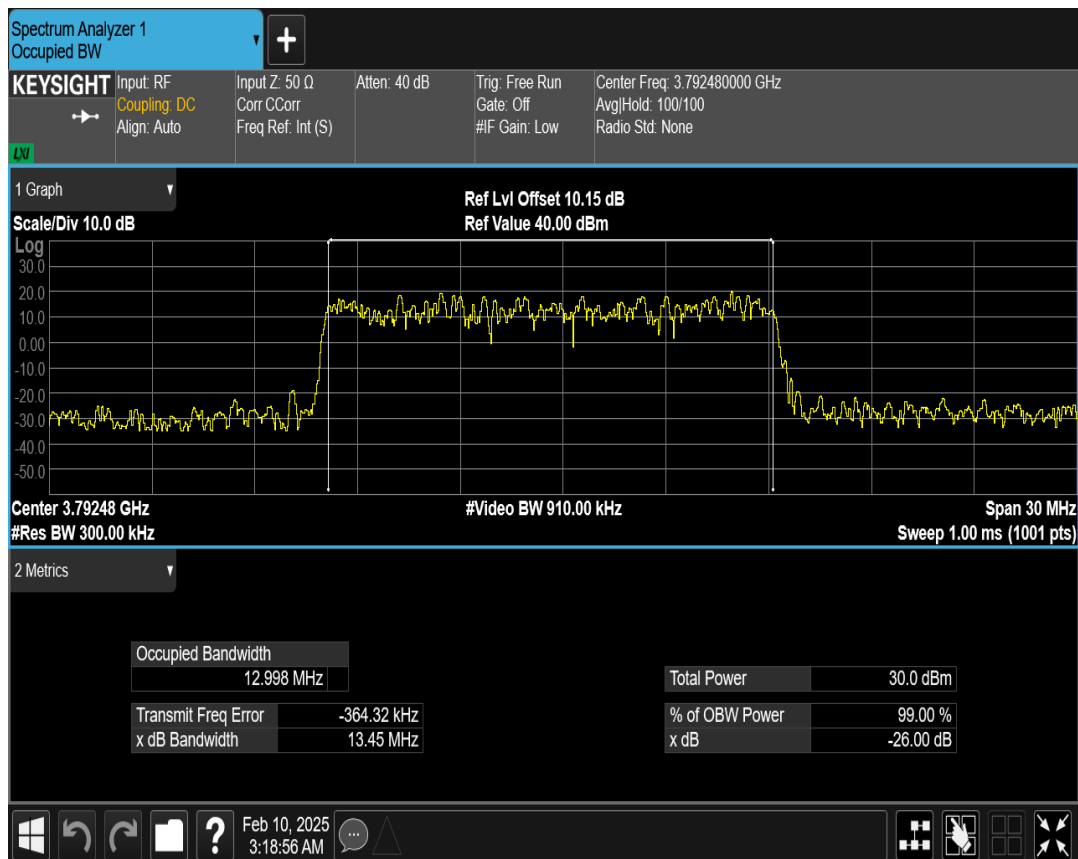
n78(3700-3800) SCS=30kHz CP\_QPSK BW=15MHz Channel=650000 RB=38@0



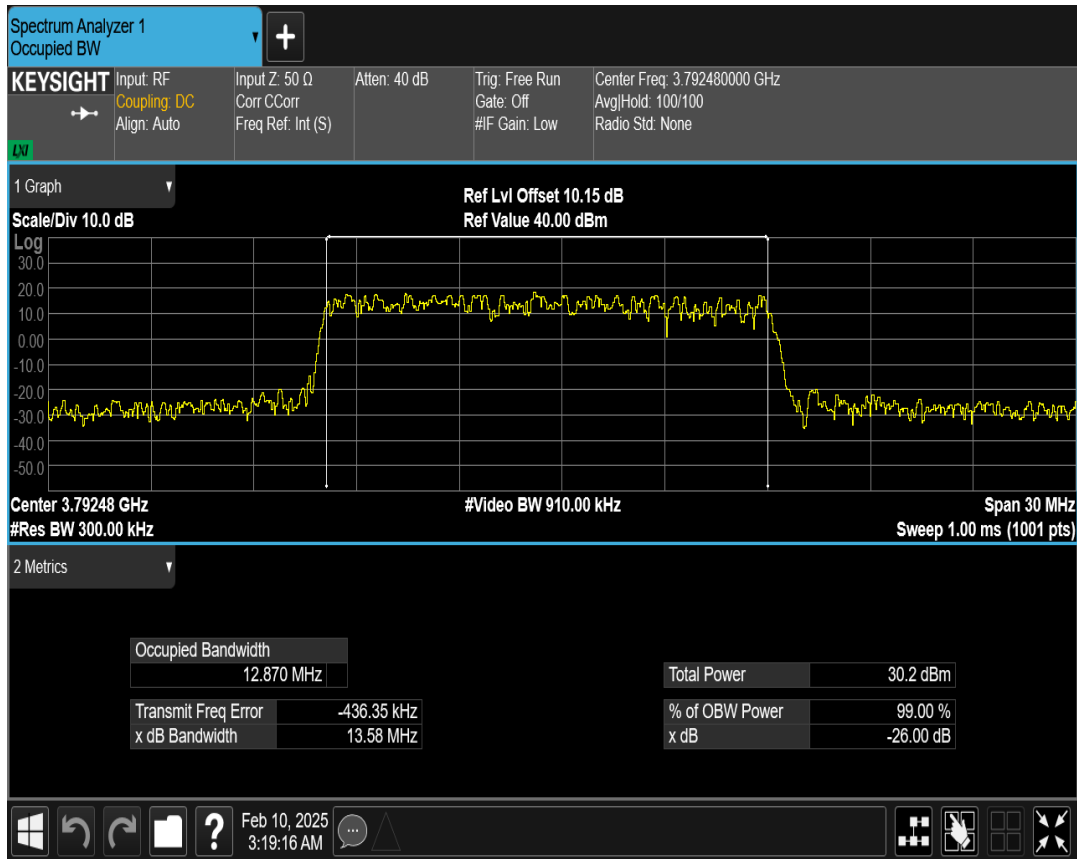
n78(3700-3800) SCS=30kHz DFT\_BPSK BW=15MHz Channel=652832 RB=36@0



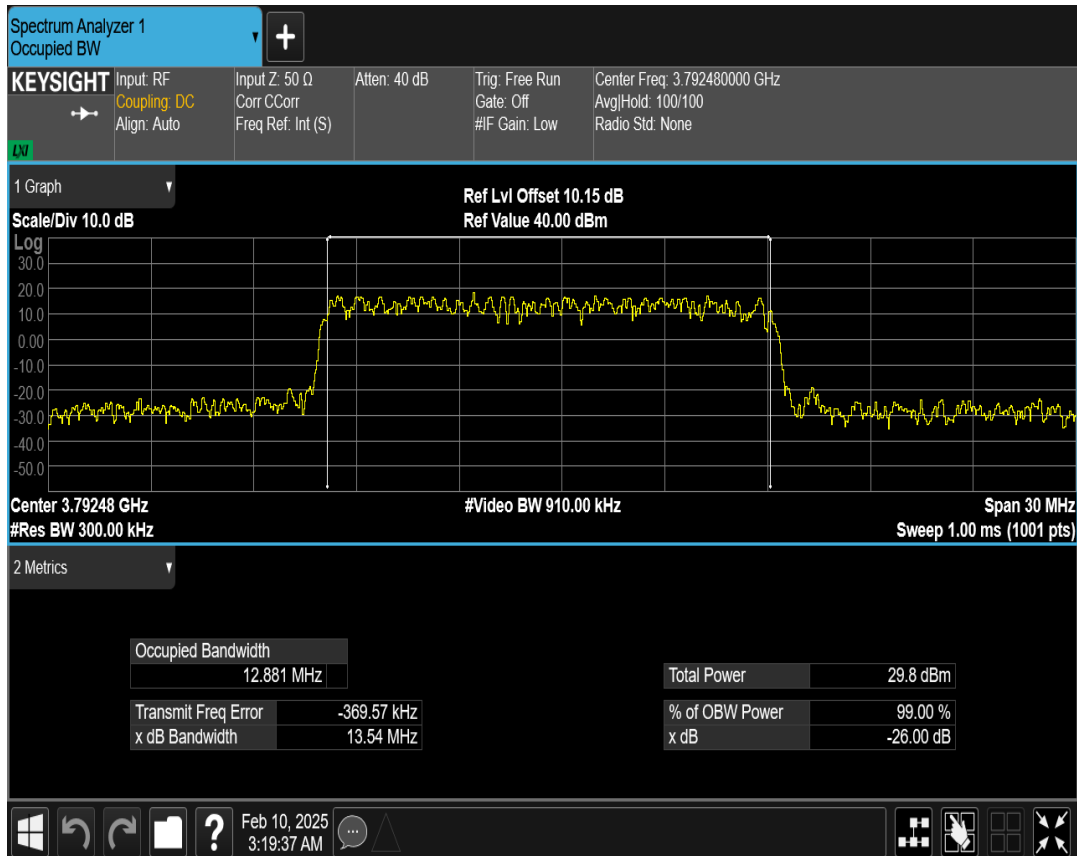
n78(3700-3800) SCS=30kHz DFT\_QPSK BW=15MHz Channel=652832 RB=36@0



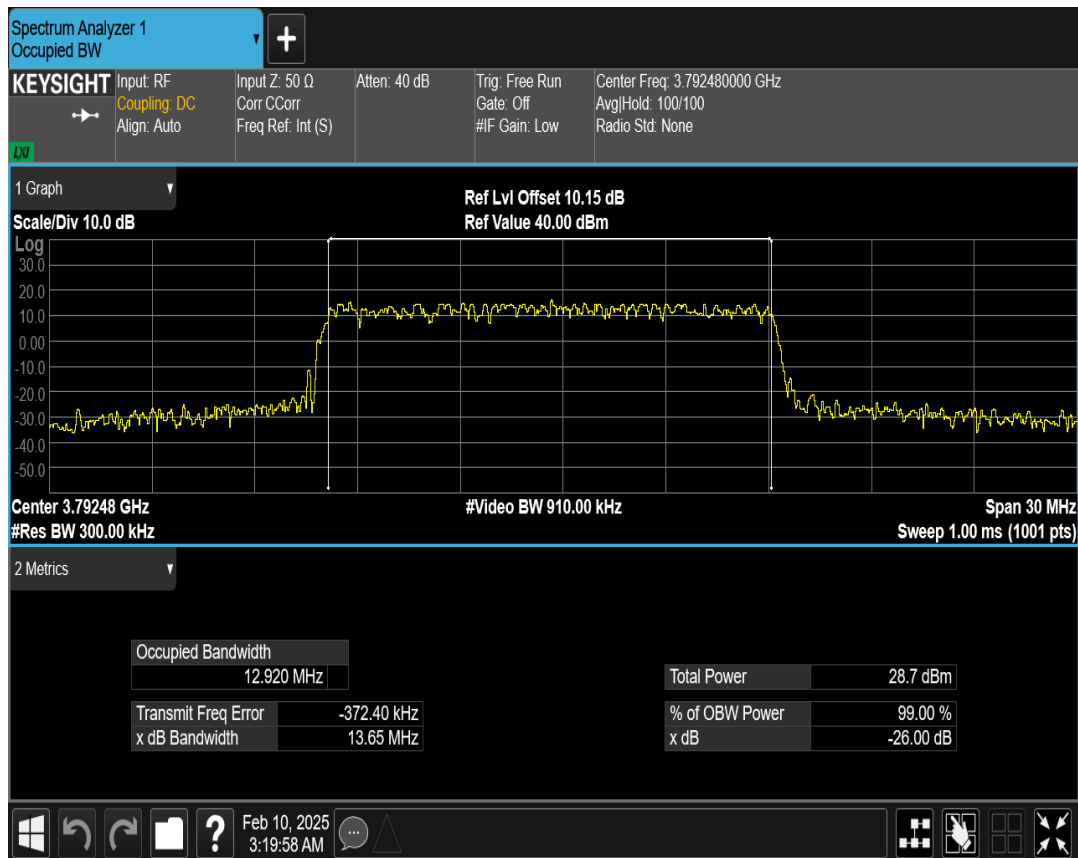
n78(3700-3800) SCS=30kHz DFT\_QAM16 BW=15MHz Channel=652832 RB=36@0



n78(3700-3800) SCS=30kHz DFT\_QAM64 BW=15MHz Channel=652832 RB=36@0



n78(3700-3800) SCS=30kHz DFT\_QAM256 BW=15MHz Channel=652832 RB=36@0



n78(3700-3800) SCS=30kHz CP\_QPSK BW=15MHz Channel=652832 RB=38@0

