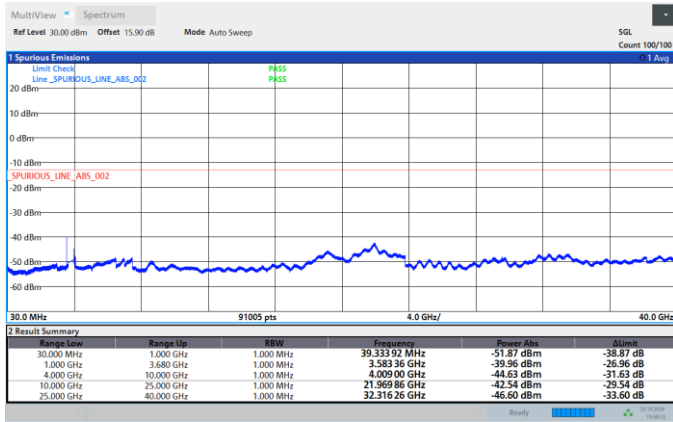




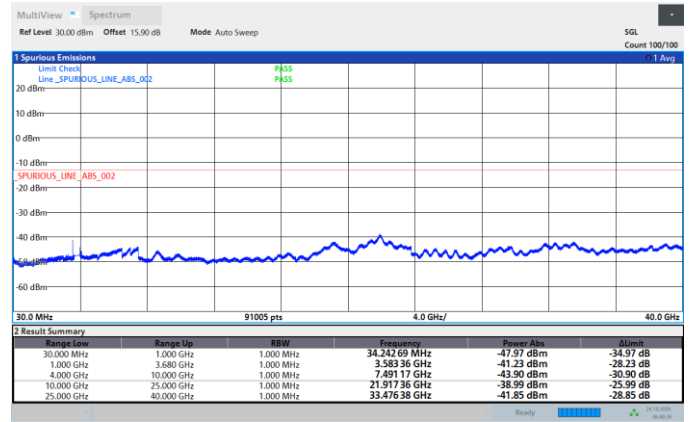
## FCC P270-N77C / 100MHz+100MHz

## PCC+SCC Average Power

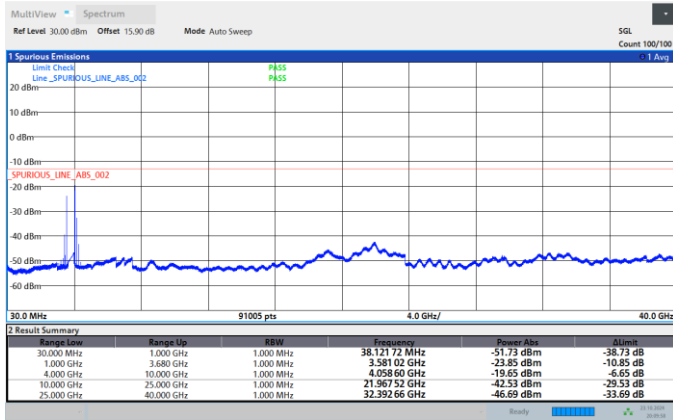
## Highest Band Edge /BPSK/ 1RB0 and 1RB272



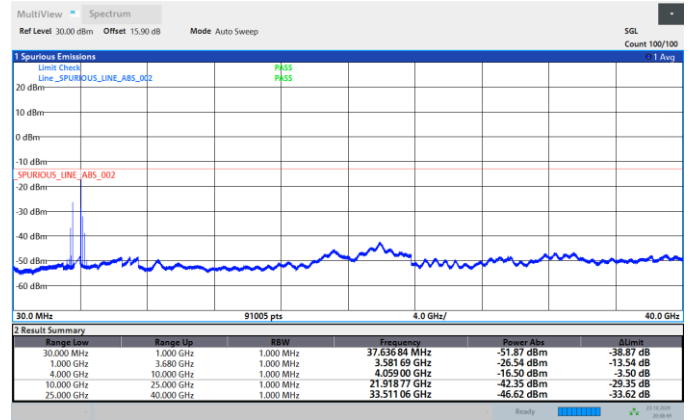
## Highest Band Edge /QPSK/ 1RB0 and 1RB272



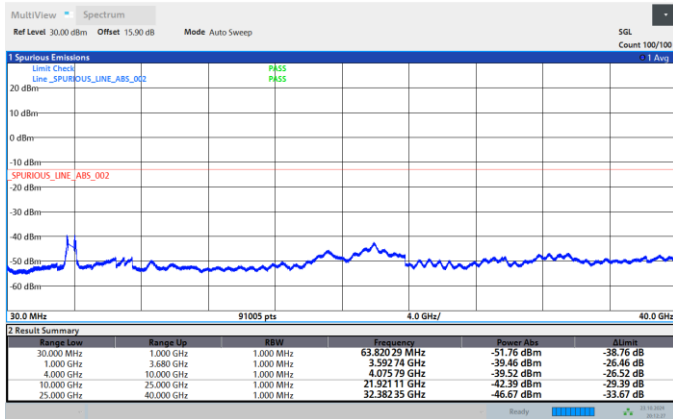
## Highest Band Edge /BPSK/ 1RB108 and 1RB162



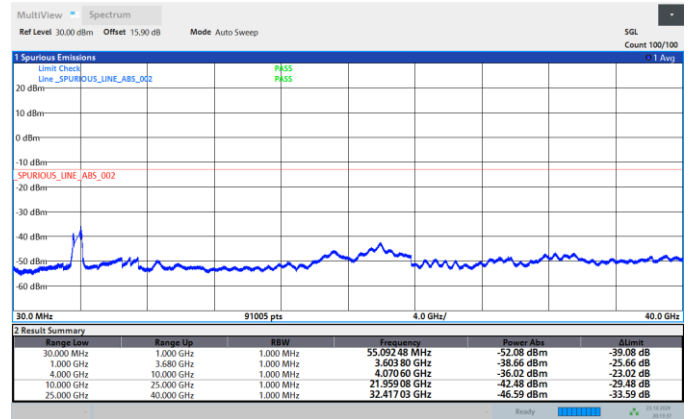
## Highest Band Edge /QPSK/ 1RB108 and 1RB162



## Highest Band Edge /BPSK/ 270RB3 and 270RB0



## Highest Band Edge /QPSK/ 270RB3 and 270RB0





Software Version: 23.06.1602

**FR1 N78(Ant6)\_SCS15kHz****Transmitter Conducted Output Power And EIRP, (G<sub>T</sub> - L<sub>C</sub>)=-2.7dB**

| NR Band | SCS | BandWidth | Arfcn  | Freq(MHz) | Modulation        | RB  | Conducted Power(dBm) | EIRP(dBm) | EIRP(W) |
|---------|-----|-----------|--------|-----------|-------------------|-----|----------------------|-----------|---------|
| 78      | 15  | 10        | 647000 | 3705      | DFT-s-OFDM QPSK   | 1@1 | 26.14                | 23.44     | 0.2208  |
| 78      | 15  | 10        | 647000 | 3705      | DFT-s-OFDM 16 QAM | 1@1 | 24.88                | 22.18     | 0.1652  |
| 78      | 15  | 10        | 650000 | 3750      | DFT-s-OFDM QPSK   | 1@1 | 25.69                | 22.99     | 0.1991  |
| 78      | 15  | 10        | 650000 | 3750      | DFT-s-OFDM 16 QAM | 1@1 | 24.49                | 21.79     | 0.1510  |
| 78      | 15  | 10        | 653000 | 3795      | DFT-s-OFDM QPSK   | 1@1 | 25.9                 | 23.2      | 0.2089  |
| 78      | 15  | 10        | 653000 | 3795      | DFT-s-OFDM 16 QAM | 1@1 | 24.68                | 21.98     | 0.1578  |
| 78      | 15  | 15        | 647167 | 3707.505  | DFT-s-OFDM QPSK   | 1@1 | 26.13                | 23.43     | 0.2203  |
| 78      | 15  | 15        | 647167 | 3707.505  | DFT-s-OFDM 16 QAM | 1@1 | 24.87                | 22.17     | 0.1648  |
| 78      | 15  | 15        | 650000 | 3750      | DFT-s-OFDM QPSK   | 1@1 | 25.7                 | 23        | 0.1995  |
| 78      | 15  | 15        | 650000 | 3750      | DFT-s-OFDM 16 QAM | 1@1 | 24.47                | 21.77     | 0.1503  |
| 78      | 15  | 15        | 652833 | 3792.495  | DFT-s-OFDM QPSK   | 1@1 | 25.86                | 23.16     | 0.2070  |
| 78      | 15  | 15        | 652833 | 3792.495  | DFT-s-OFDM 16 QAM | 1@1 | 24.63                | 21.93     | 0.1560  |
| 78      | 15  | 20        | 647334 | 3710.01   | DFT-s-OFDM QPSK   | 1@1 | 26.13                | 23.43     | 0.2203  |
| 78      | 15  | 20        | 647334 | 3710.01   | DFT-s-OFDM 16 QAM | 1@1 | 24.85                | 22.15     | 0.1641  |
| 78      | 15  | 20        | 650000 | 3750      | DFT-s-OFDM QPSK   | 1@1 | 25.7                 | 23        | 0.1995  |
| 78      | 15  | 20        | 650000 | 3750      | DFT-s-OFDM 16 QAM | 1@1 | 24.47                | 21.77     | 0.1503  |
| 78      | 15  | 20        | 652666 | 3789.99   | DFT-s-OFDM QPSK   | 1@1 | 25.96                | 23.26     | 0.2118  |
| 78      | 15  | 20        | 652666 | 3789.99   | DFT-s-OFDM 16 QAM | 1@1 | 24.7                 | 22        | 0.1585  |
| 78      | 15  | 25        | 647500 | 3712.5    | DFT-s-OFDM QPSK   | 1@1 | 26.06                | 23.36     | 0.2168  |
| 78      | 15  | 25        | 647500 | 3712.5    | DFT-s-OFDM 16 QAM | 1@1 | 24.82                | 22.12     | 0.1629  |
| 78      | 15  | 25        | 650000 | 3750      | DFT-s-OFDM QPSK   | 1@1 | 25.71                | 23.01     | 0.2000  |
| 78      | 15  | 25        | 650000 | 3750      | DFT-s-OFDM 16 QAM | 1@1 | 24.49                | 21.79     | 0.1510  |
| 78      | 15  | 25        | 652500 | 3787.5    | DFT-s-OFDM QPSK   | 1@1 | 25.92                | 23.22     | 0.2099  |
| 78      | 15  | 25        | 652500 | 3787.5    | DFT-s-OFDM 16 QAM | 1@1 | 24.7                 | 22        | 0.1585  |
| 78      | 15  | 30        | 647667 | 3715.005  | DFT-s-OFDM QPSK   | 1@1 | 26.1                 | 23.4      | 0.2188  |
| 78      | 15  | 30        | 647667 | 3715.005  | DFT-s-OFDM 16 QAM | 1@1 | 24.94                | 22.24     | 0.1675  |
| 78      | 15  | 30        | 650000 | 3750      | DFT-s-OFDM QPSK   | 1@1 | 25.82                | 23.12     | 0.2051  |
| 78      | 15  | 30        | 650000 | 3750      | DFT-s-OFDM 16 QAM | 1@1 | 24.55                | 21.85     | 0.1531  |
| 78      | 15  | 30        | 652333 | 3784.995  | DFT-s-OFDM QPSK   | 1@1 | 25.92                | 23.22     | 0.2099  |
| 78      | 15  | 30        | 652333 | 3784.995  | DFT-s-OFDM 16 QAM | 1@1 | 24.7                 | 22        | 0.1585  |
| 78      | 15  | 40        | 648000 | 3720      | DFT-s-OFDM QPSK   | 1@1 | 26.15                | 23.45     | 0.2213  |
| 78      | 15  | 40        | 648000 | 3720      | DFT-s-OFDM 16 QAM | 1@1 | 24.87                | 22.17     | 0.1648  |
| 78      | 15  | 40        | 650000 | 3750      | DFT-s-OFDM QPSK   | 1@1 | 25.79                | 23.09     | 0.2037  |
| 78      | 15  | 40        | 650000 | 3750      | DFT-s-OFDM 16 QAM | 1@1 | 24.51                | 21.81     | 0.1517  |



|    |    |    |        |         |                      |        |       |       |        |
|----|----|----|--------|---------|----------------------|--------|-------|-------|--------|
| 78 | 15 | 40 | 652000 | 3780    | DFT-s-OFDM QPSK      | 1@1    | 25.86 | 23.16 | 0.2070 |
| 78 | 15 | 40 | 652000 | 3780    | DFT-s-OFDM 16 QAM    | 1@1    | 24.62 | 21.92 | 0.1556 |
| 78 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM PI/2 BPSK | 135@67 | 25.69 | 22.99 | 0.1991 |
| 78 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM PI/2 BPSK | 1@1    | 25.69 | 22.99 | 0.1991 |
| 78 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM PI/2 BPSK | 1@268  | 25.35 | 22.65 | 0.1841 |
| 78 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM QPSK      | 135@67 | 25.69 | 22.99 | 0.1991 |
| 78 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM QPSK      | 1@1    | 26.05 | 23.35 | 0.2163 |
| 78 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM QPSK      | 1@268  | 26.19 | 23.49 | 0.2234 |
| 78 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM 16 QAM    | 135@67 | 24.65 | 21.95 | 0.1567 |
| 78 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM 16 QAM    | 1@1    | 24.81 | 22.11 | 0.1626 |
| 78 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM 16 QAM    | 1@268  | 24.46 | 21.76 | 0.1500 |
| 78 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM 64 QAM    | 135@67 | 23.13 | 20.43 | 0.1104 |
| 78 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM 64 QAM    | 1@1    | 22.97 | 20.27 | 0.1064 |
| 78 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM 64 QAM    | 1@268  | 22.64 | 19.94 | 0.0986 |
| 78 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM 256 QAM   | 135@67 | 21.16 | 18.46 | 0.0701 |
| 78 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM 256 QAM   | 1@1    | 21.19 | 18.49 | 0.0706 |
| 78 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM 256 QAM   | 1@268  | 20.86 | 18.16 | 0.0655 |
| 78 | 15 | 50 | 648334 | 3725.01 | CP-OFDM QPSK         | 135@67 | 24.12 | 21.42 | 0.1387 |
| 78 | 15 | 50 | 648334 | 3725.01 | CP-OFDM QPSK         | 1@1    | 24.22 | 21.52 | 0.1419 |
| 78 | 15 | 50 | 648334 | 3725.01 | CP-OFDM QPSK         | 1@268  | 23.89 | 21.19 | 0.1315 |
| 78 | 15 | 50 | 650000 | 3750    | DFT-s-OFDM PI/2 BPSK | 135@67 | 25.54 | 22.84 | 0.1923 |
| 78 | 15 | 50 | 650000 | 3750    | DFT-s-OFDM PI/2 BPSK | 1@1    | 25.46 | 22.76 | 0.1888 |
| 78 | 15 | 50 | 650000 | 3750    | DFT-s-OFDM PI/2 BPSK | 1@268  | 25.58 | 22.88 | 0.1941 |
| 78 | 15 | 50 | 650000 | 3750    | DFT-s-OFDM QPSK      | 135@67 | 25.57 | 22.87 | 0.1936 |
| 78 | 15 | 50 | 650000 | 3750    | DFT-s-OFDM QPSK      | 1@1    | 25.69 | 22.99 | 0.1991 |
| 78 | 15 | 50 | 650000 | 3750    | DFT-s-OFDM QPSK      | 1@268  | 25.95 | 23.25 | 0.2113 |
| 78 | 15 | 50 | 650000 | 3750    | DFT-s-OFDM 16 QAM    | 135@67 | 24.52 | 21.82 | 0.1521 |
| 78 | 15 | 50 | 650000 | 3750    | DFT-s-OFDM 16 QAM    | 1@1    | 24.59 | 21.89 | 0.1545 |
| 78 | 15 | 50 | 650000 | 3750    | DFT-s-OFDM 16 QAM    | 1@268  | 24.69 | 21.99 | 0.1581 |
| 78 | 15 | 50 | 650000 | 3750    | DFT-s-OFDM 64 QAM    | 135@67 | 23.01 | 20.31 | 0.1074 |
| 78 | 15 | 50 | 650000 | 3750    | DFT-s-OFDM 64 QAM    | 1@1    | 22.72 | 20.02 | 0.1005 |
| 78 | 15 | 50 | 650000 | 3750    | DFT-s-OFDM 64 QAM    | 1@268  | 22.9  | 20.2  | 0.1047 |
| 78 | 15 | 50 | 650000 | 3750    | DFT-s-OFDM 256 QAM   | 135@67 | 21.02 | 18.32 | 0.0679 |
| 78 | 15 | 50 | 650000 | 3750    | DFT-s-OFDM 256 QAM   | 1@1    | 20.96 | 18.26 | 0.0670 |
| 78 | 15 | 50 | 650000 | 3750    | DFT-s-OFDM 256 QAM   | 1@268  | 21.07 | 18.37 | 0.0687 |
| 78 | 15 | 50 | 650000 | 3750    | CP-OFDM QPSK         | 135@67 | 23.99 | 21.29 | 0.1346 |
| 78 | 15 | 50 | 650000 | 3750    | CP-OFDM QPSK         | 1@1    | 23.94 | 21.24 | 0.1330 |
| 78 | 15 | 50 | 650000 | 3750    | CP-OFDM QPSK         | 1@268  | 24.12 | 21.42 | 0.1387 |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM PI/2 BPSK | 135@67 | 25.59 | 22.89 | 0.1945 |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM PI/2 BPSK | 1@1    | 25.3  | 22.6  | 0.1820 |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM PI/2 BPSK | 1@268  | 25.47 | 22.77 | 0.1892 |



|    |    |    |        |         |                    |        |       |       |        |
|----|----|----|--------|---------|--------------------|--------|-------|-------|--------|
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM QPSK    | 135@67 | 25.64 | 22.94 | 0.1968 |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM QPSK    | 1@1    | 25.54 | 22.84 | 0.1923 |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM QPSK    | 1@268  | 25.86 | 23.16 | 0.2070 |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM 16 QAM  | 135@67 | 24.57 | 21.87 | 0.1538 |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM 16 QAM  | 1@1    | 24.41 | 21.71 | 0.1483 |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM 16 QAM  | 1@268  | 24.58 | 21.88 | 0.1542 |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM 64 QAM  | 135@67 | 23.08 | 20.38 | 0.1091 |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM 64 QAM  | 1@1    | 22.56 | 19.86 | 0.0968 |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM 64 QAM  | 1@268  | 22.82 | 20.12 | 0.1028 |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM 256 QAM | 135@67 | 21.06 | 18.36 | 0.0685 |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM 256 QAM | 1@1    | 20.81 | 18.11 | 0.0647 |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM 256 QAM | 1@268  | 21.01 | 18.31 | 0.0678 |
| 78 | 15 | 50 | 651666 | 3774.99 | CP-OFDM QPSK       | 135@67 | 24.05 | 21.35 | 0.1365 |
| 78 | 15 | 50 | 651666 | 3774.99 | CP-OFDM QPSK       | 1@1    | 23.76 | 21.06 | 0.1276 |
| 78 | 15 | 50 | 651666 | 3774.99 | CP-OFDM QPSK       | 1@268  | 24.05 | 21.35 | 0.1365 |



## Frequency Stability

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB    | Deviation (ppm) | Verdict | Environment |
|---------|-----------|-----------------|--------|------------|-----------------|-------|-----------------|---------|-------------|
| 78      | 15        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 100@0 | 0.0021          | PASS    | NV          |
| 78      | 15        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 100@0 | 0.0058          | PASS    | LV          |
| 78      | 15        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 100@0 | 0.0045          | PASS    | HV          |
| 78      | 15        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 100@0 | 0.0035          | PASS    | -30°C       |
| 78      | 15        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 100@0 | 0.0064          | PASS    | -20°C       |
| 78      | 15        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 100@0 | 0.0028          | PASS    | -10°C       |
| 78      | 15        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 100@0 | 0.0043          | PASS    | 0°C         |
| 78      | 15        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 100@0 | 0.0030          | PASS    | 10°C        |
| 78      | 15        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 100@0 | 0.0021          | PASS    | 20°C        |
| 78      | 15        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 100@0 | 0.0053          | PASS    | 30°C        |
| 78      | 15        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 100@0 | 0.0059          | PASS    | 40°C        |
| 78      | 15        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 100@0 | 0.0044          | PASS    | 50°C        |

## Peak to Average Ratio

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation           | RB    | Result (dB) | Limit (dB) | Verdict |
|---------|-----------|-----------------|--------|------------|----------------------|-------|-------------|------------|---------|
| 78      | 15        | 20              | 650000 | 3750.0     | DFT-s-OFDM PI/2 BPSK | 100@0 | 4.09        | 13         | PASS    |
| 78      | 15        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK      | 100@0 | 5.18        | 13         | PASS    |

N78(20M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



N78(20M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH

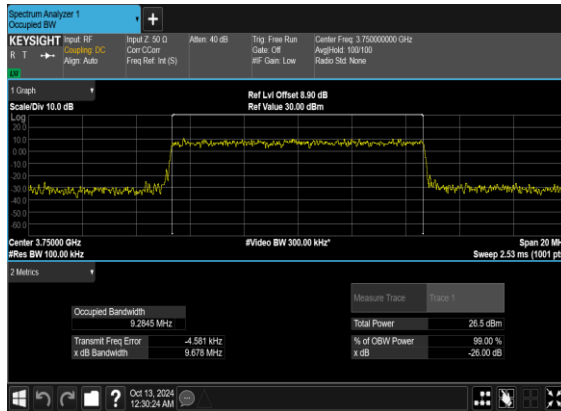


**Occupied Bandwidth**

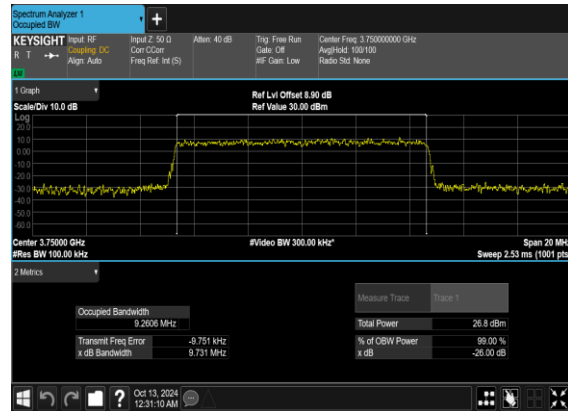
| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB    | OBW (MHz) | 26dB BW (MHz) |
|---------|-----------|-----------------|--------|------------|-----------------|-------|-----------|---------------|
| 78      | 15        | 10              | 650000 | 3750.0     | CP-OFDM QPSK    | 52@0  | 9.2845    | 9.678         |
| 78      | 15        | 10              | 650000 | 3750.0     | CP-OFDM 16 QAM  | 52@0  | 9.2606    | 9.731         |
| 78      | 15        | 10              | 650000 | 3750.0     | CP-OFDM 64 QAM  | 52@0  | 9.2776    | 9.711         |
| 78      | 15        | 10              | 650000 | 3750.0     | CP-OFDM 256 QAM | 52@0  | 9.285     | 9.689         |
| 78      | 15        | 15              | 650000 | 3750.0     | CP-OFDM QPSK    | 79@0  | 14.095    | 14.7          |
| 78      | 15        | 15              | 650000 | 3750.0     | CP-OFDM 16 QAM  | 79@0  | 14.094    | 14.7          |
| 78      | 15        | 15              | 650000 | 3750.0     | CP-OFDM 64 QAM  | 79@0  | 14.075    | 14.63         |
| 78      | 15        | 15              | 650000 | 3750.0     | CP-OFDM 256 QAM | 79@0  | 14.069    | 14.62         |
| 78      | 15        | 20              | 650000 | 3750.0     | CP-OFDM QPSK    | 106@0 | 18.868    | 19.68         |
| 78      | 15        | 20              | 650000 | 3750.0     | CP-OFDM 16 QAM  | 106@0 | 18.927    | 19.64         |
| 78      | 15        | 20              | 650000 | 3750.0     | CP-OFDM 64 QAM  | 106@0 | 18.911    | 19.6          |
| 78      | 15        | 20              | 650000 | 3750.0     | CP-OFDM 256 QAM | 106@0 | 18.908    | 19.61         |
| 78      | 15        | 25              | 650000 | 3750.0     | CP-OFDM QPSK    | 133@0 | 23.725    | 24.55         |
| 78      | 15        | 25              | 650000 | 3750.0     | CP-OFDM 16 QAM  | 133@0 | 23.789    | 24.64         |
| 78      | 15        | 25              | 650000 | 3750.0     | CP-OFDM 64 QAM  | 133@0 | 23.743    | 24.66         |
| 78      | 15        | 25              | 650000 | 3750.0     | CP-OFDM 256 QAM | 133@0 | 23.75     | 24.62         |
| 78      | 15        | 30              | 650000 | 3750.0     | CP-OFDM QPSK    | 160@0 | 28.508    | 29.5          |
| 78      | 15        | 30              | 650000 | 3750.0     | CP-OFDM 16 QAM  | 160@0 | 28.589    | 29.46         |
| 78      | 15        | 30              | 650000 | 3750.0     | CP-OFDM 64 QAM  | 160@0 | 28.496    | 29.49         |
| 78      | 15        | 30              | 650000 | 3750.0     | CP-OFDM 256 QAM | 160@0 | 28.524    | 29.62         |
| 78      | 15        | 40              | 650000 | 3750.0     | CP-OFDM QPSK    | 216@0 | 38.56     | 39.84         |
| 78      | 15        | 40              | 650000 | 3750.0     | CP-OFDM 16 QAM  | 216@0 | 38.504    | 39.79         |
| 78      | 15        | 40              | 650000 | 3750.0     | CP-OFDM 64 QAM  | 216@0 | 38.453    | 39.85         |
| 78      | 15        | 40              | 650000 | 3750.0     | CP-OFDM 256 QAM | 216@0 | 38.488    | 39.86         |
| 78      | 15        | 50              | 650000 | 3750.0     | CP-OFDM QPSK    | 270@0 | 48.242    | 49.7          |
| 78      | 15        | 50              | 650000 | 3750.0     | CP-OFDM 16 QAM  | 270@0 | 48.209    | 49.74         |
| 78      | 15        | 50              | 650000 | 3750.0     | CP-OFDM 64 QAM  | 270@0 | 48.066    | 49.81         |
| 78      | 15        | 50              | 650000 | 3750.0     | CP-OFDM 256 QAM | 270@0 | 48.218    | 49.72         |



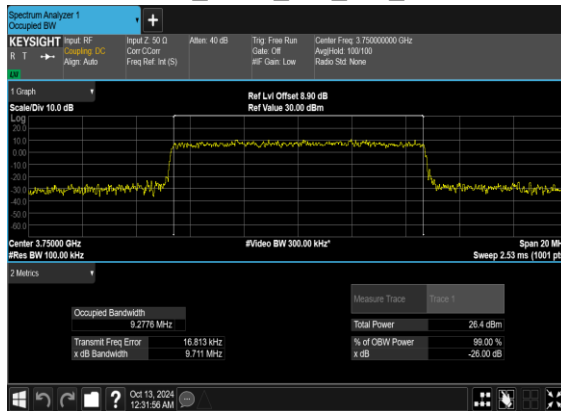
N78(10M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



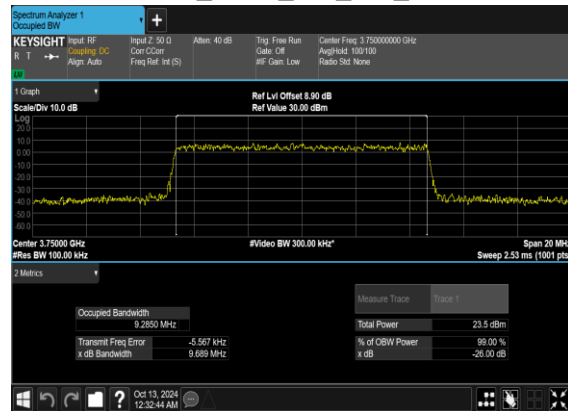
N78(10M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



N78(10M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH

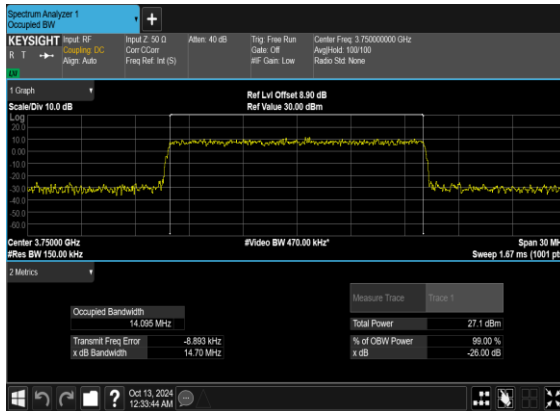


N78(10M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH

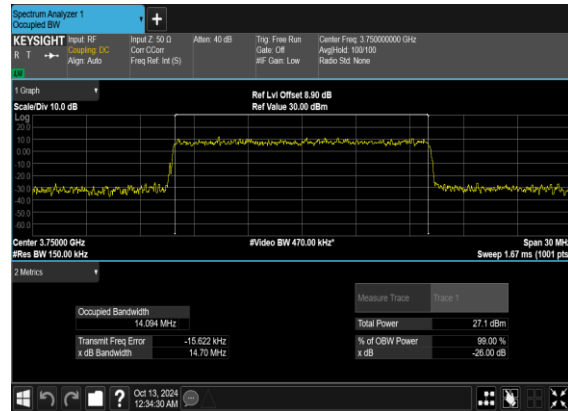




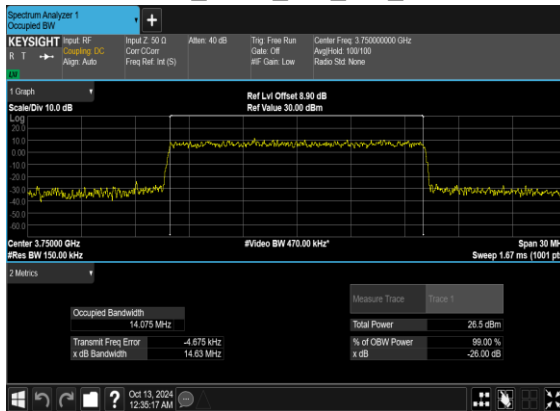
N78(15M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



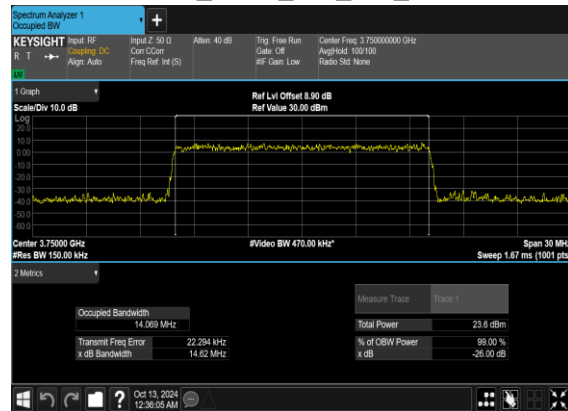
N78(15M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



N78(15M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH

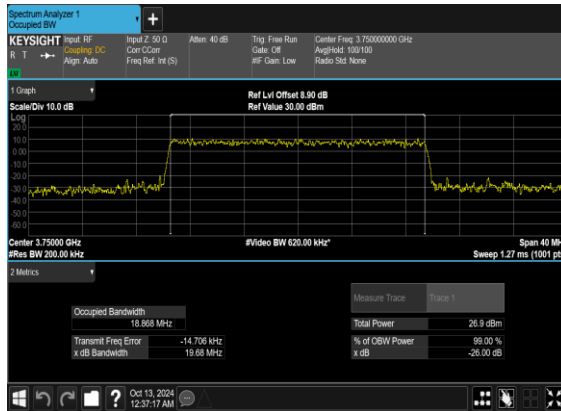


N78(15M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH

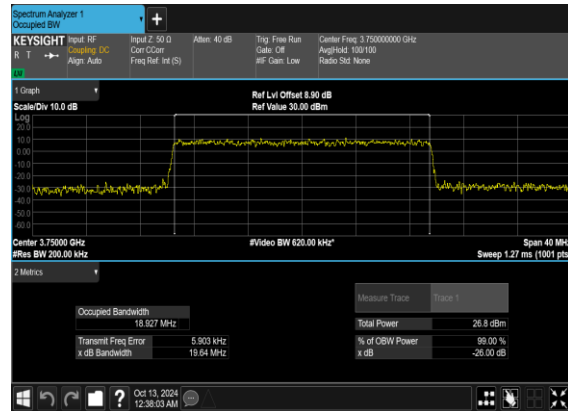




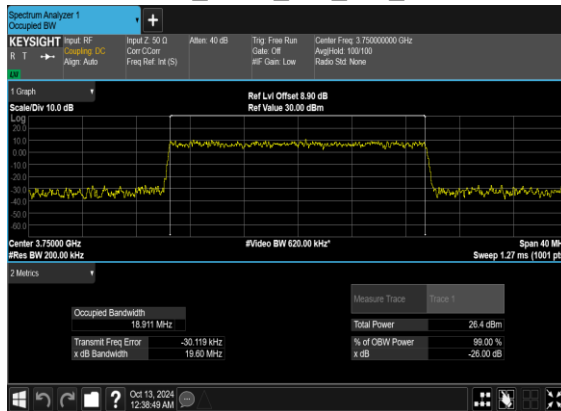
N78(20M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



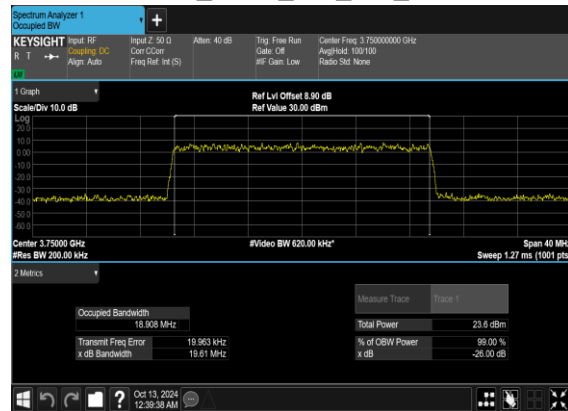
N78(20M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



N78(20M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH

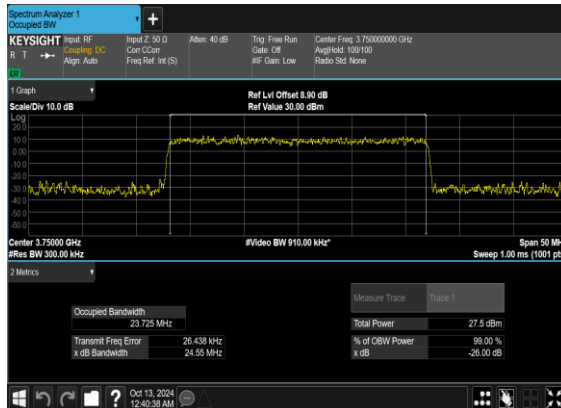


N78(20M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH

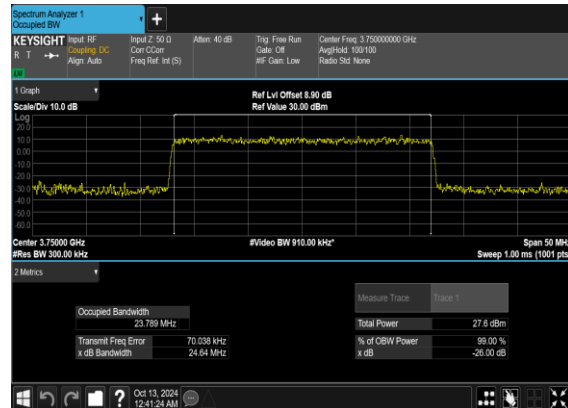




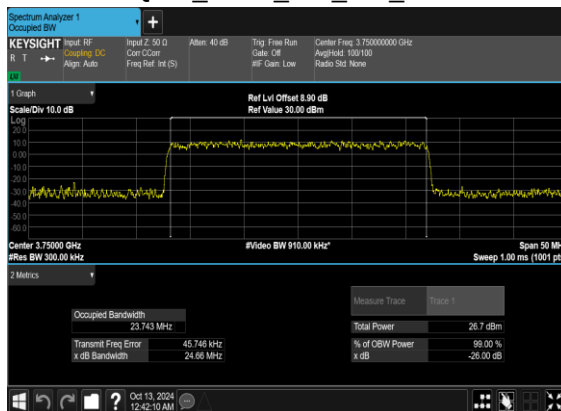
N78(25M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



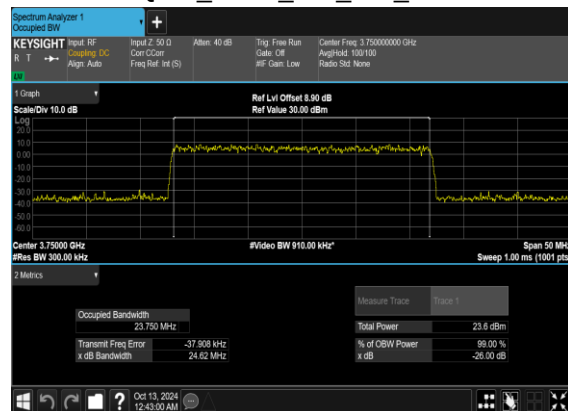
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QAM\_Outer\_Full\_Mid\_CH



N78(25M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH

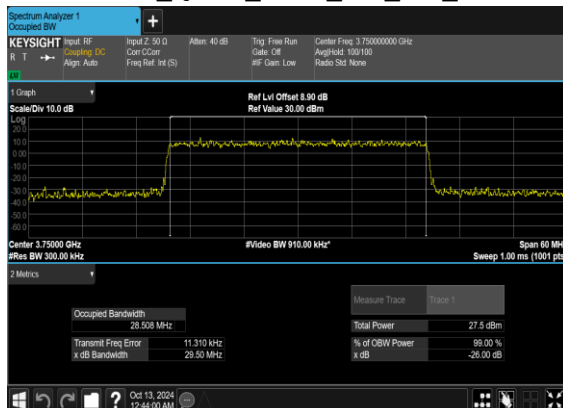


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QAM\_Outer\_Full\_Mid\_CH

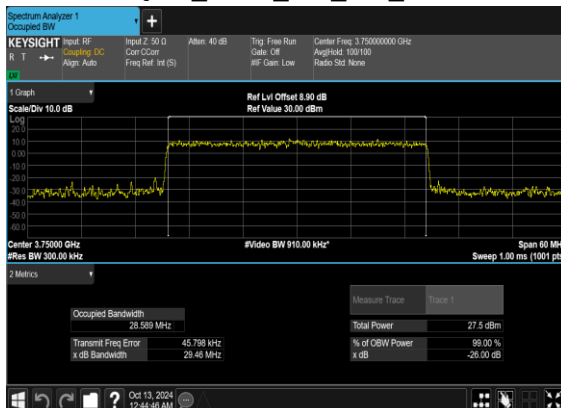




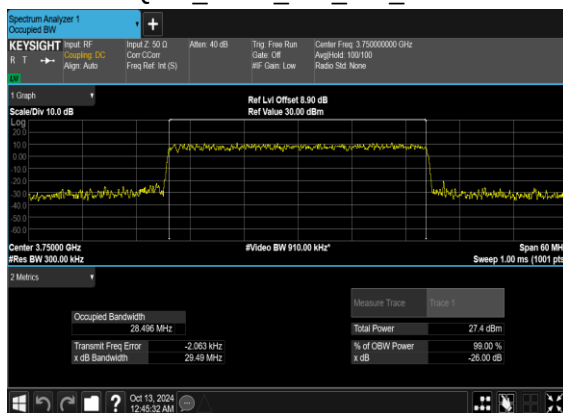
N78(30M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



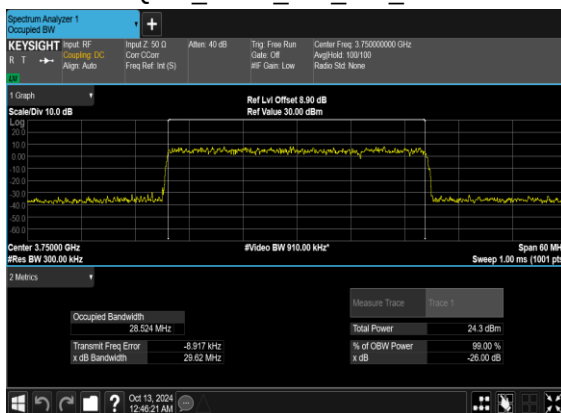
N78(30M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



N78(30M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH

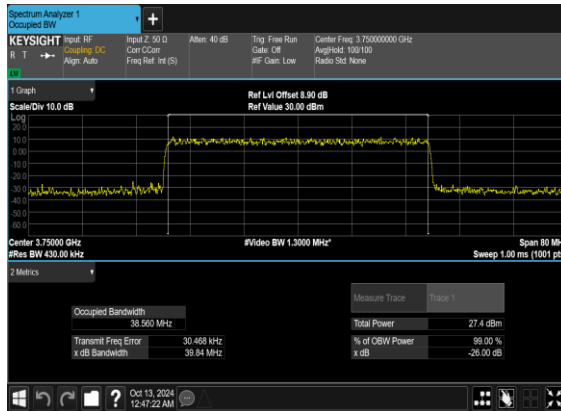


N78(30M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH

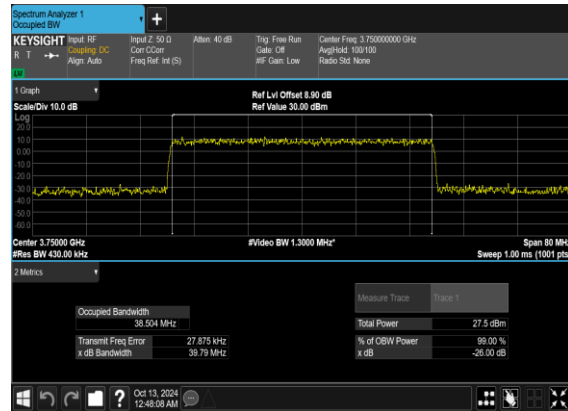




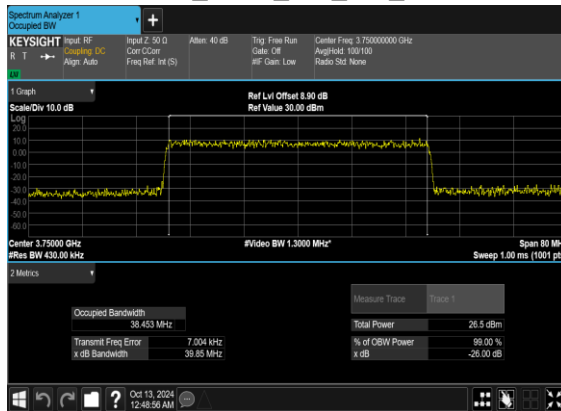
N78(40M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



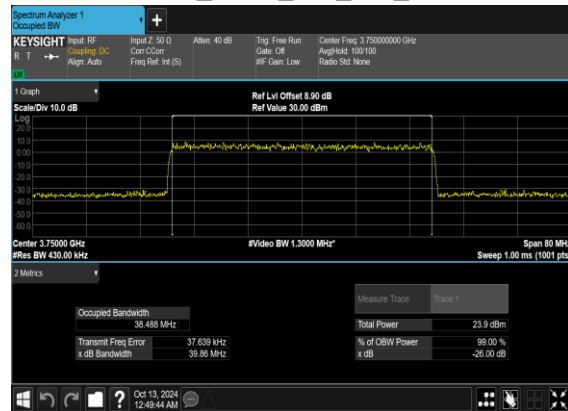
N78(40M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



N78(40M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH

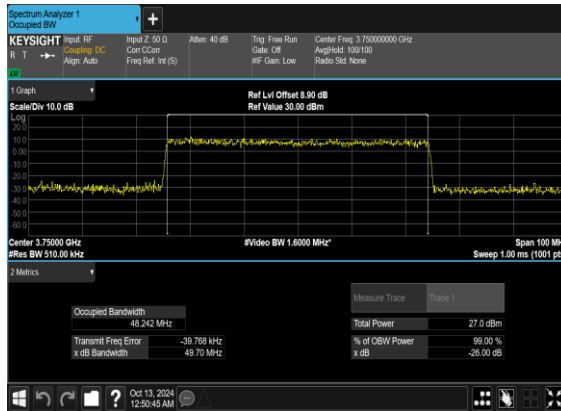


N78(40M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH

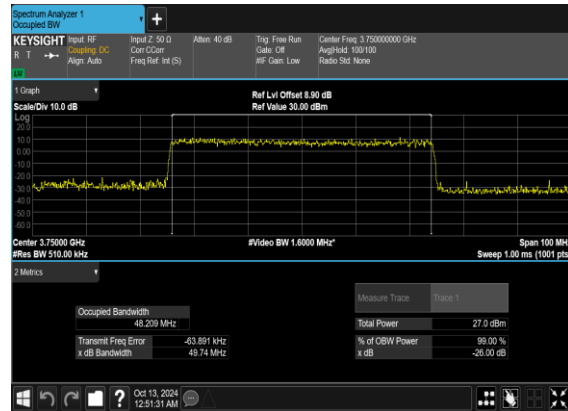




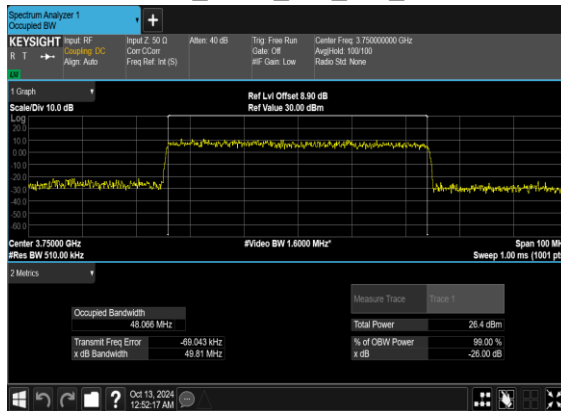
N78(50M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



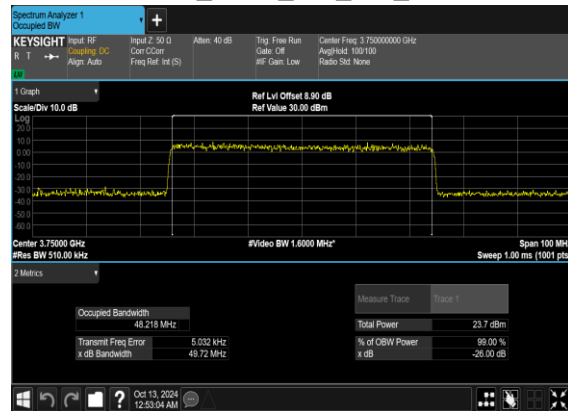
N78(50M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



N78(50M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH



N78(50M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH



**Conducted Spurious Emissions**

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB  | Result    | Verdict |
|---------|-----------|-----------------|--------|------------|-----------------|-----|-----------|---------|
| 78      | 15        | 10              | 647000 | 3705.0     | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 78      | 15        | 10              | 647000 | 3705.0     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 78      | 15        | 10              | 647000 | 3705.0     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 78      | 15        | 10              | 647000 | 3705.0     | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 78      | 15        | 10              | 647000 | 3705.0     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 78      | 15        | 10              | 647000 | 3705.0     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 78      | 15        | 10              | 650000 | 3750.0     | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 78      | 15        | 10              | 650000 | 3750.0     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 78      | 15        | 10              | 650000 | 3750.0     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 78      | 15        | 10              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 78      | 15        | 10              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 78      | 15        | 10              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 78      | 15        | 10              | 653000 | 3795.0     | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 78      | 15        | 10              | 653000 | 3795.0     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 78      | 15        | 10              | 653000 | 3795.0     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 78      | 15        | 10              | 653000 | 3795.0     | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 78      | 15        | 10              | 653000 | 3795.0     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 78      | 15        | 10              | 653000 | 3795.0     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 78      | 15        | 20              | 647334 | 3710.01    | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 78      | 15        | 20              | 647334 | 3710.01    | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 78      | 15        | 20              | 647334 | 3710.01    | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |



|    |    |    |        |         |                    |     |           |      |
|----|----|----|--------|---------|--------------------|-----|-----------|------|
| 78 | 15 | 20 | 647334 | 3710.01 | DFT-s-OFDM<br>QPSK | 1@0 | see graph | ---  |
| 78 | 15 | 20 | 647334 | 3710.01 | DFT-s-OFDM<br>QPSK | 1@0 | see graph | PASS |
| 78 | 15 | 20 | 647334 | 3710.01 | DFT-s-OFDM<br>QPSK | 1@0 | see graph | PASS |
| 78 | 15 | 20 | 650000 | 3750.0  | DFT-s-OFDM<br>BPSK | 1@0 | see graph | ---  |
| 78 | 15 | 20 | 650000 | 3750.0  | DFT-s-OFDM<br>BPSK | 1@0 | see graph | PASS |
| 78 | 15 | 20 | 650000 | 3750.0  | DFT-s-OFDM<br>BPSK | 1@0 | see graph | PASS |
| 78 | 15 | 20 | 650000 | 3750.0  | DFT-s-OFDM<br>QPSK | 1@0 | see graph | ---  |
| 78 | 15 | 20 | 650000 | 3750.0  | DFT-s-OFDM<br>QPSK | 1@0 | see graph | PASS |
| 78 | 15 | 20 | 650000 | 3750.0  | DFT-s-OFDM<br>QPSK | 1@0 | see graph | PASS |
| 78 | 15 | 20 | 652666 | 3789.99 | DFT-s-OFDM<br>BPSK | 1@0 | see graph | ---  |
| 78 | 15 | 20 | 652666 | 3789.99 | DFT-s-OFDM<br>BPSK | 1@0 | see graph | PASS |
| 78 | 15 | 20 | 652666 | 3789.99 | DFT-s-OFDM<br>BPSK | 1@0 | see graph | PASS |
| 78 | 15 | 20 | 652666 | 3789.99 | DFT-s-OFDM<br>QPSK | 1@0 | see graph | ---  |
| 78 | 15 | 20 | 652666 | 3789.99 | DFT-s-OFDM<br>QPSK | 1@0 | see graph | PASS |
| 78 | 15 | 20 | 652666 | 3789.99 | DFT-s-OFDM<br>QPSK | 1@0 | see graph | PASS |
| 78 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM<br>BPSK | 1@0 | see graph | ---  |
| 78 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM<br>BPSK | 1@0 | see graph | PASS |
| 78 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM<br>BPSK | 1@0 | see graph | PASS |
| 78 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM<br>QPSK | 1@0 | see graph | ---  |
| 78 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM<br>QPSK | 1@0 | see graph | PASS |
| 78 | 15 | 50 | 648334 | 3725.01 | DFT-s-OFDM<br>QPSK | 1@0 | see graph | PASS |
| 78 | 15 | 50 | 650000 | 3750.0  | DFT-s-OFDM<br>BPSK | 1@0 | see graph | ---  |
| 78 | 15 | 50 | 650000 | 3750.0  | DFT-s-OFDM<br>BPSK | 1@0 | see graph | PASS |



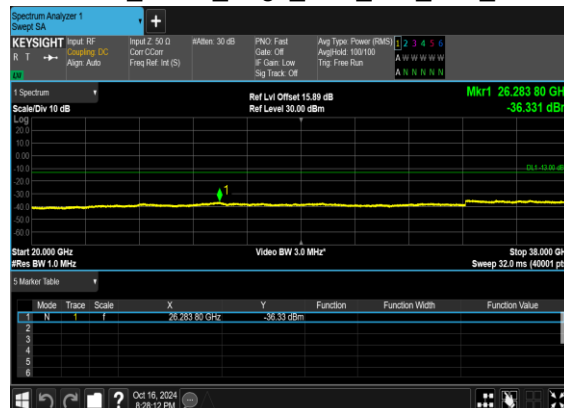
|    |    |    |        |         |                    |     |           |      |
|----|----|----|--------|---------|--------------------|-----|-----------|------|
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| 78 | 15 | 50 | 650000 | 3750.0  | DFT-s-OFDM<br>QPSK | 1@0 | see graph | ---  |
| 78 | 15 | 50 | 650000 | 3750.0  | DFT-s-OFDM<br>QPSK | 1@0 | see graph | PASS |
| 78 | 15 | 50 | 650000 | 3750.0  | DFT-s-OFDM<br>QPSK | 1@0 | see graph | PASS |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM<br>BPSK | 1@0 | see graph | ---  |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM<br>BPSK | 1@0 | see graph | PASS |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM<br>BPSK | 1@0 | see graph | PASS |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM<br>QPSK | 1@0 | see graph | ---  |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM<br>QPSK | 1@0 | see graph | PASS |
| 78 | 15 | 50 | 651666 | 3774.99 | DFT-s-OFDM<br>QPSK | 1@0 | see graph | PASS |



N78(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



N78(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



N78(10M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N78(10M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH

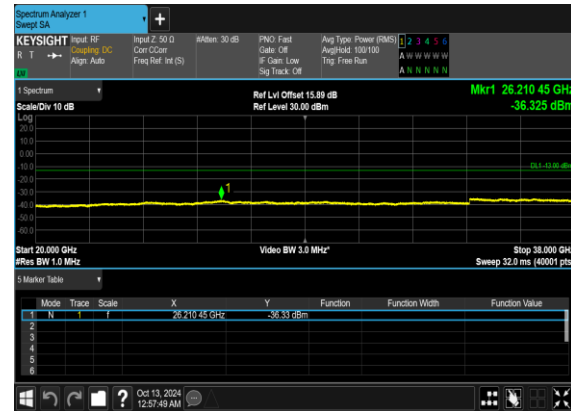




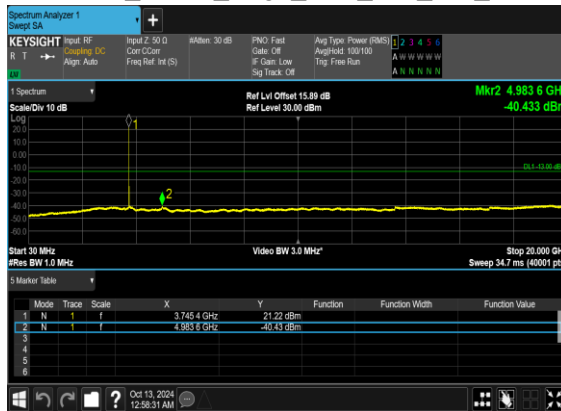
N78(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



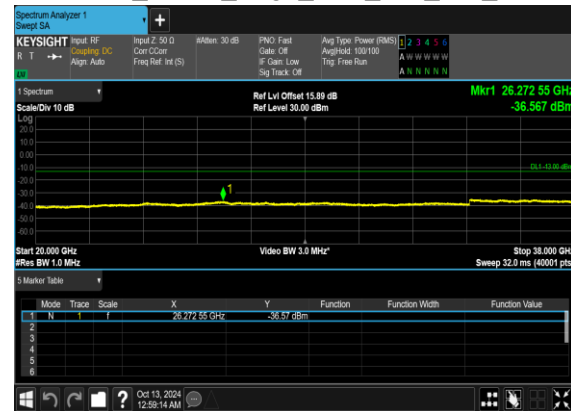
N78(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



N78(10M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



N78(10M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH





N78(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



N78(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



N78(10M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



N78(10M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH

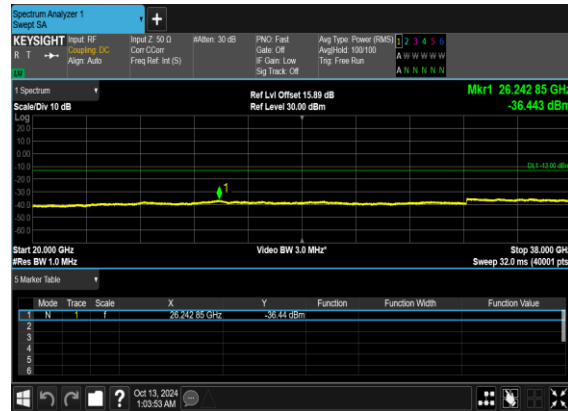




N78(20M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



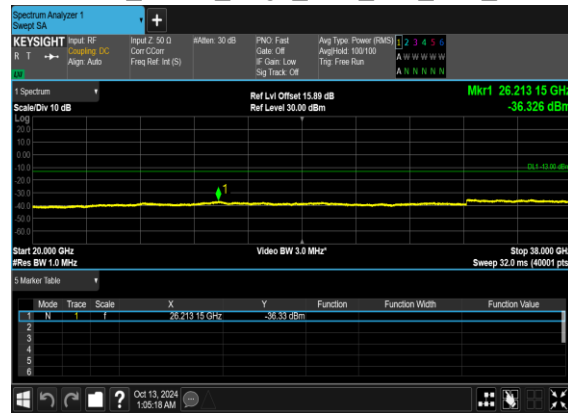
N78(20M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



N78(20M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



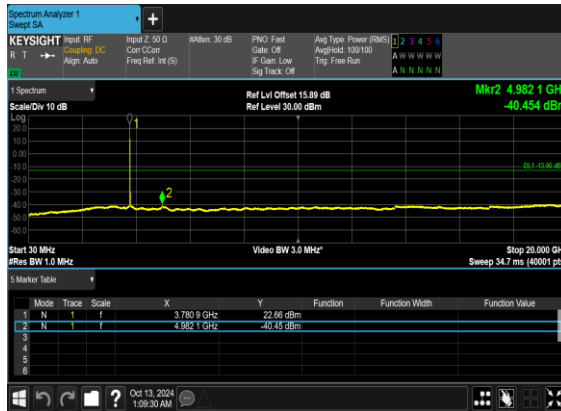
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OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



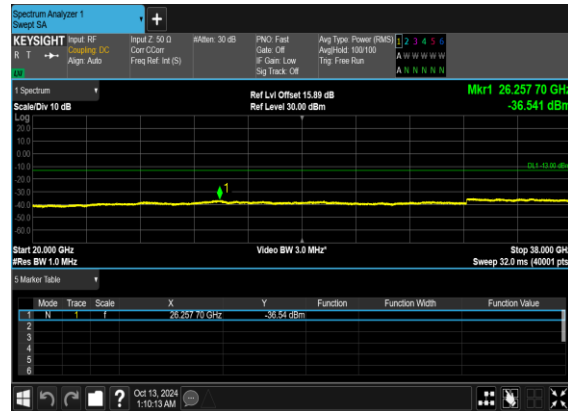
N78(20M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CHN78(20M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CHN78(20M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CHN78(20M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



N78(20M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



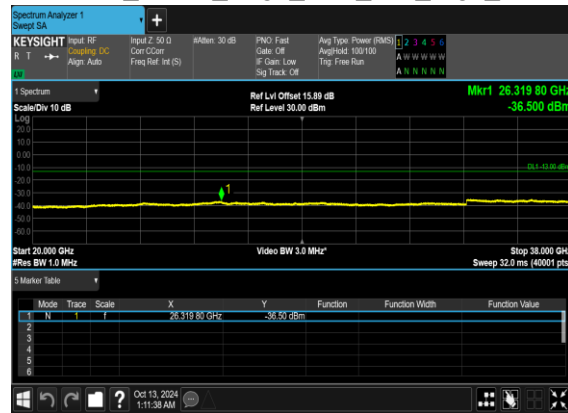
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OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



N78(20M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



N78(20M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH

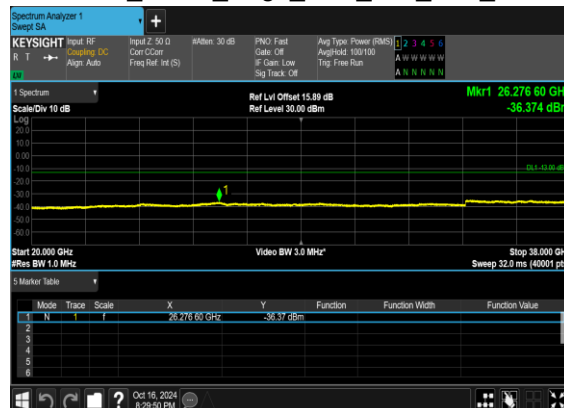




N78(50M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



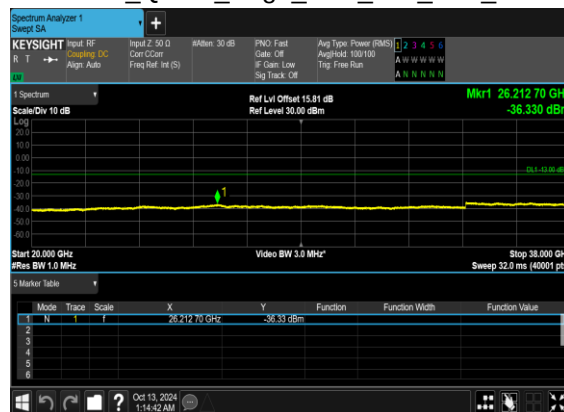
N78(50M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



N78(50M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N78(50M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH

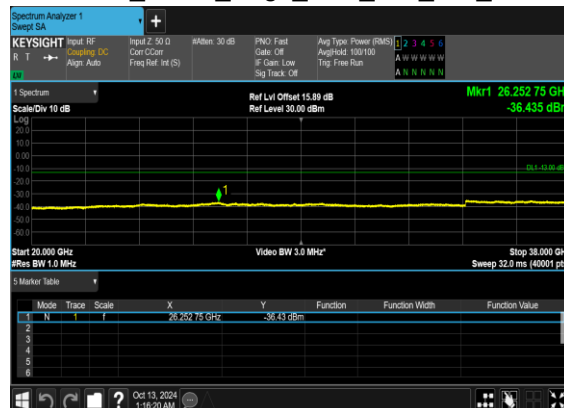




N78(50M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



N78(50M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



N78(50M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



N78(50M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH

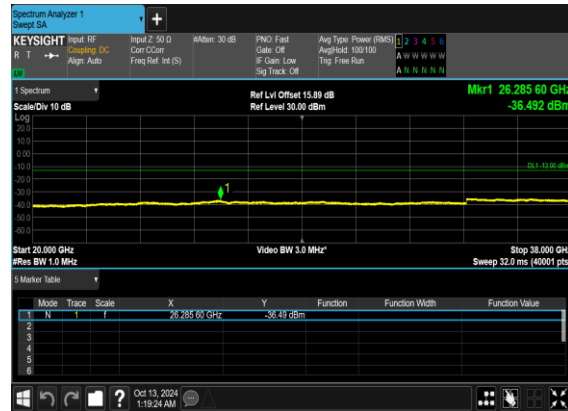




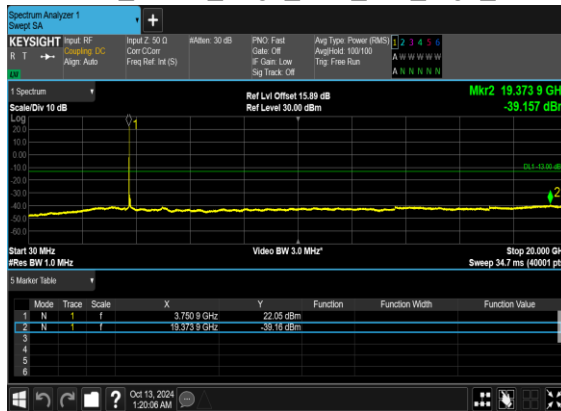
N78(50M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



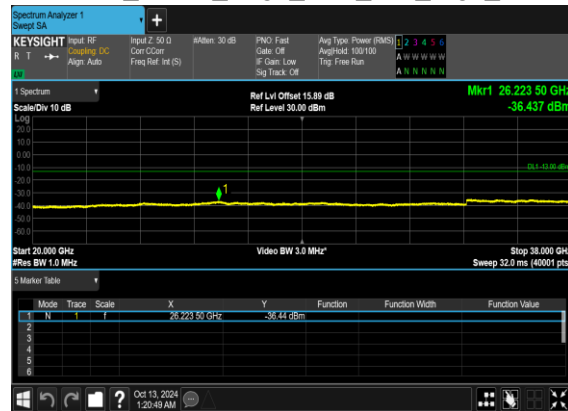
N78(50M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



N78(50M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



N78(50M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH

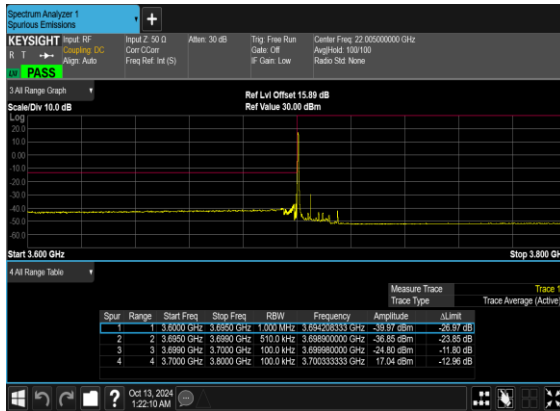


**Conducted Band Edge**

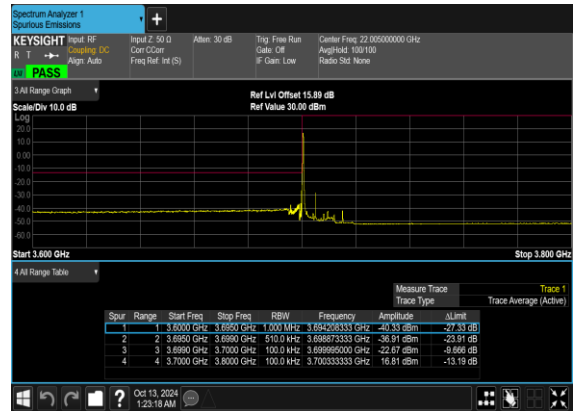
| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB    | Result    | Verdict |
|---------|-----------|-----------------|--------|------------|-----------------|-------|-----------|---------|
| 78      | 15        | 10              | 647000 | 3705.0     | DFT-s-OFDM BPSK | 1@0   | see graph | PASS    |
| 78      | 15        | 10              | 647000 | 3705.0     | DFT-s-OFDM QPSK | 1@0   | see graph | PASS    |
| 78      | 15        | 10              | 647000 | 3705.0     | DFT-s-OFDM BPSK | 50@0  | see graph | PASS    |
| 78      | 15        | 10              | 647000 | 3705.0     | DFT-s-OFDM QPSK | 50@0  | see graph | PASS    |
| 78      | 15        | 10              | 653000 | 3795.0     | DFT-s-OFDM BPSK | 1@51  | see graph | PASS    |
| 78      | 15        | 10              | 653000 | 3795.0     | DFT-s-OFDM QPSK | 1@51  | see graph | PASS    |
| 78      | 15        | 10              | 653000 | 3795.0     | DFT-s-OFDM BPSK | 50@0  | see graph | PASS    |
| 78      | 15        | 10              | 653000 | 3795.0     | DFT-s-OFDM QPSK | 50@0  | see graph | PASS    |
| 78      | 15        | 20              | 647334 | 3710.01    | DFT-s-OFDM BPSK | 1@0   | see graph | PASS    |
| 78      | 15        | 20              | 647334 | 3710.01    | DFT-s-OFDM QPSK | 1@0   | see graph | PASS    |
| 78      | 15        | 20              | 647334 | 3710.01    | DFT-s-OFDM BPSK | 100@0 | see graph | PASS    |
| 78      | 15        | 20              | 647334 | 3710.01    | DFT-s-OFDM QPSK | 100@0 | see graph | PASS    |
| 78      | 15        | 20              | 652666 | 3789.99    | DFT-s-OFDM BPSK | 1@105 | see graph | PASS    |
| 78      | 15        | 20              | 652666 | 3789.99    | DFT-s-OFDM QPSK | 1@105 | see graph | PASS    |
| 78      | 15        | 20              | 652666 | 3789.99    | DFT-s-OFDM BPSK | 100@0 | see graph | PASS    |
| 78      | 15        | 20              | 652666 | 3789.99    | DFT-s-OFDM QPSK | 100@0 | see graph | PASS    |
| 78      | 15        | 50              | 648334 | 3725.01    | DFT-s-OFDM BPSK | 1@0   | see graph | PASS    |
| 78      | 15        | 50              | 648334 | 3725.01    | DFT-s-OFDM QPSK | 1@0   | see graph | PASS    |
| 78      | 15        | 50              | 648334 | 3725.01    | DFT-s-OFDM BPSK | 270@0 | see graph | PASS    |
| 78      | 15        | 50              | 648334 | 3725.01    | DFT-s-OFDM QPSK | 270@0 | see graph | PASS    |
| 78      | 15        | 50              | 651666 | 3774.99    | DFT-s-OFDM BPSK | 1@269 | see graph | PASS    |
| 78      | 15        | 50              | 651666 | 3774.99    | DFT-s-OFDM QPSK | 1@269 | see graph | PASS    |
| 78      | 15        | 50              | 651666 | 3774.99    | DFT-s-OFDM BPSK | 270@0 | see graph | PASS    |
| 78      | 15        | 50              | 651666 | 3774.99    | DFT-s-OFDM QPSK | 270@0 | see graph | PASS    |



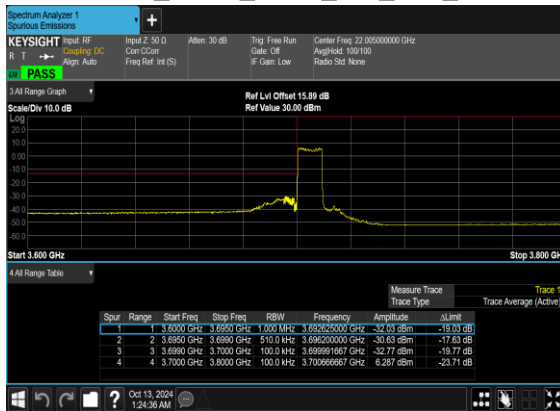
N78(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



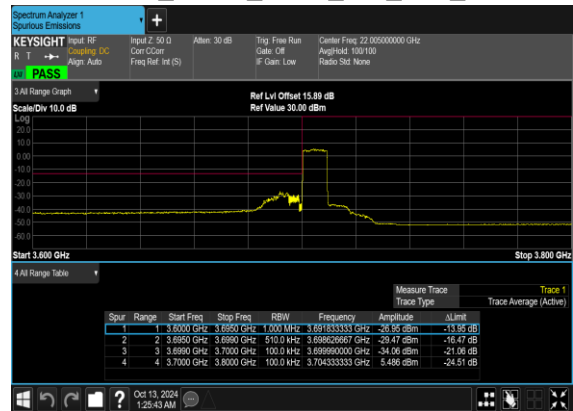
N78(10M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N78(10M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CH

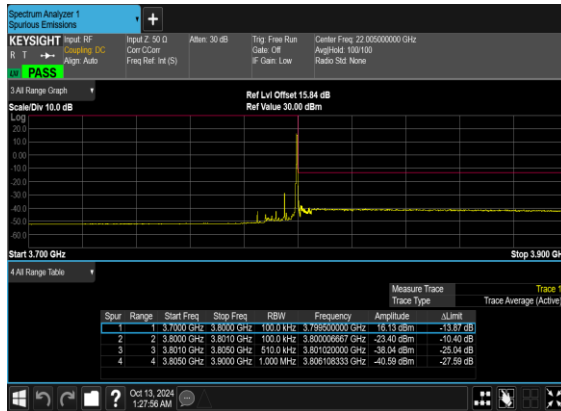


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OFDM\_QPSK\_Outer\_Full\_Low\_CH





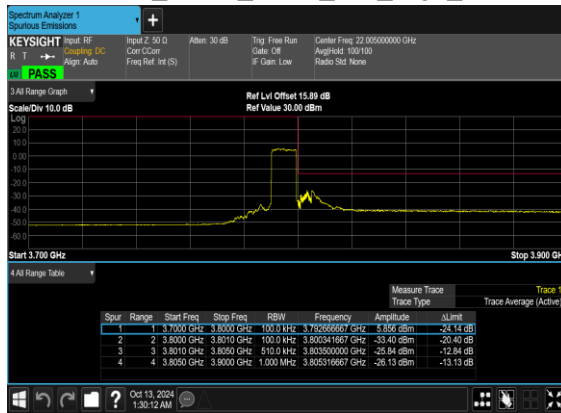
N78(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



N78(10M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



N78(10M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_High\_CH

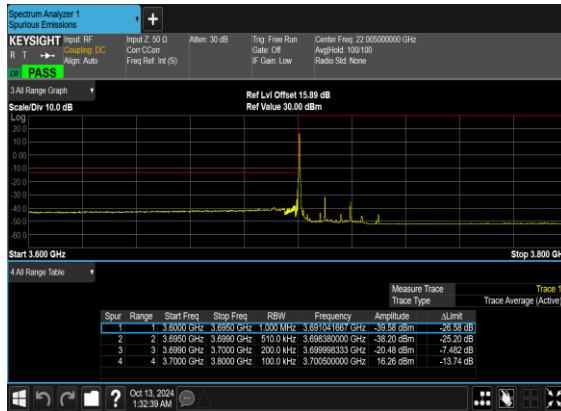


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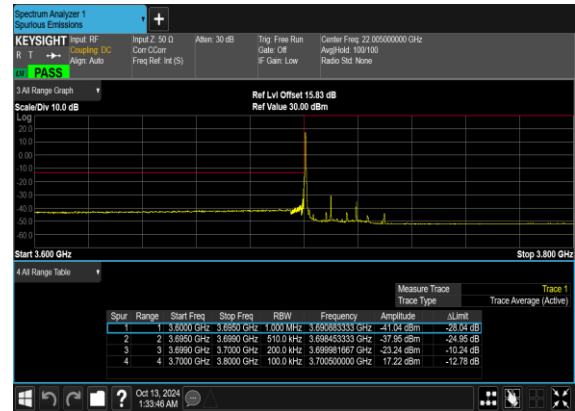




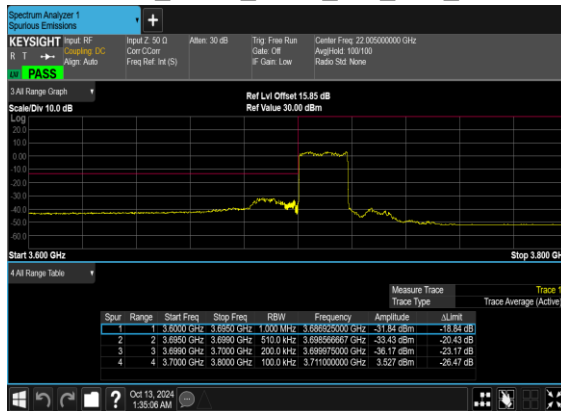
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OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



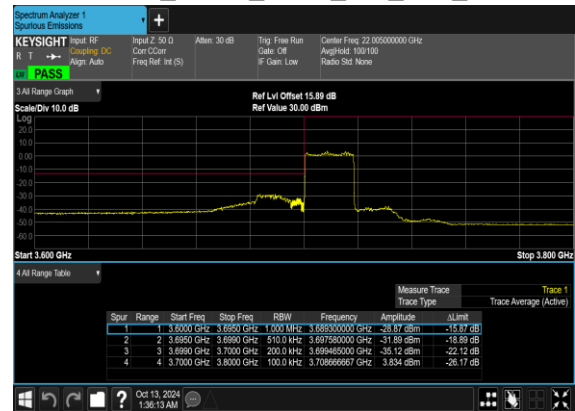
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OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N78(20M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CH

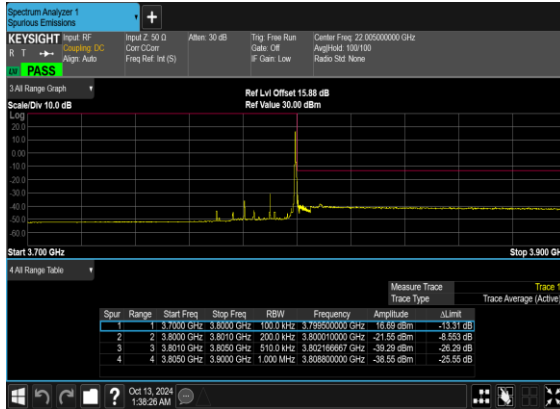


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OFDM\_QPSK\_Outer\_Full\_Low\_CH

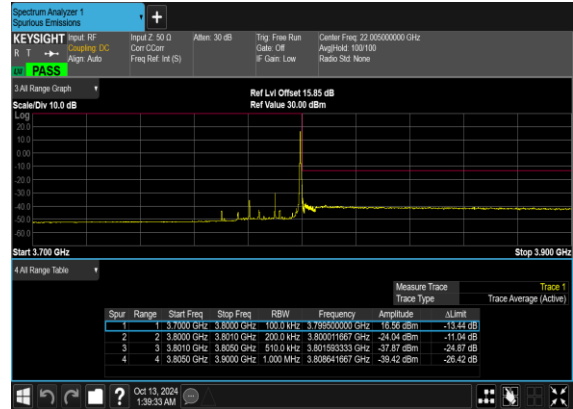




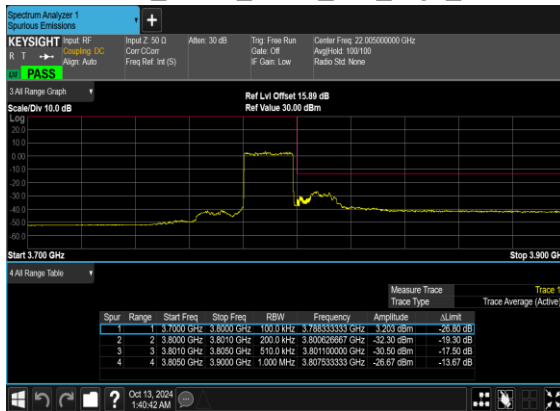
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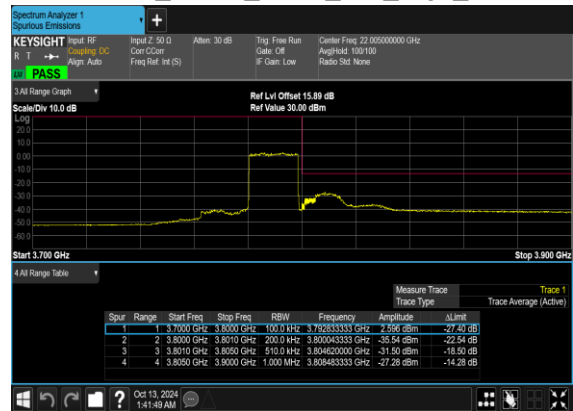
N78(20M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



N78(20M)\_DFT-s-  
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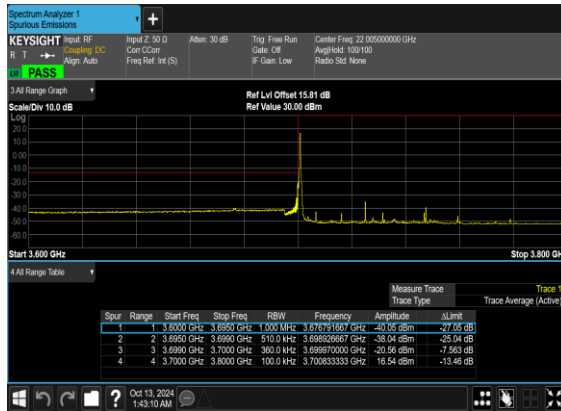


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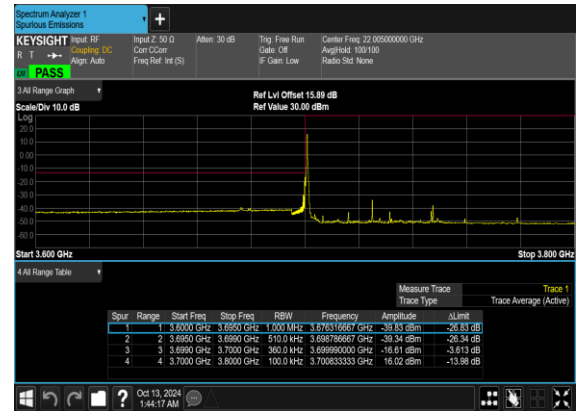




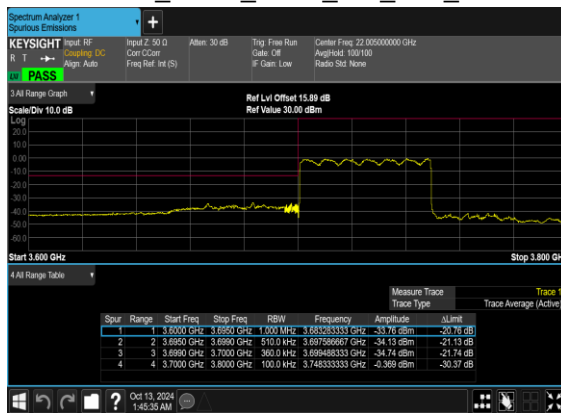
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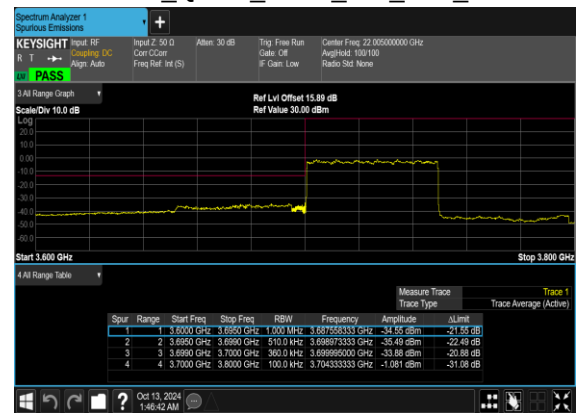
N78(50M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N78(50M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CH

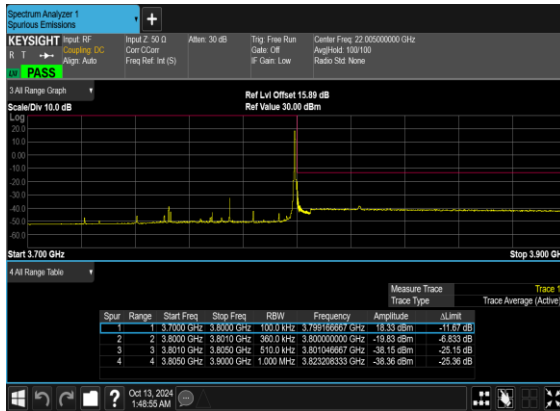


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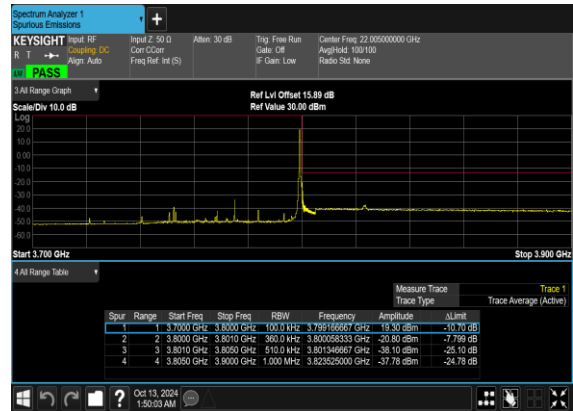




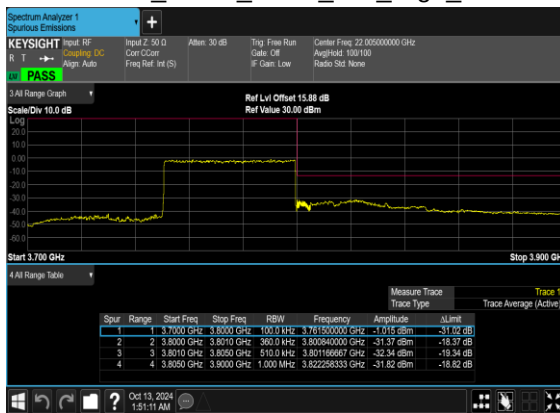
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OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



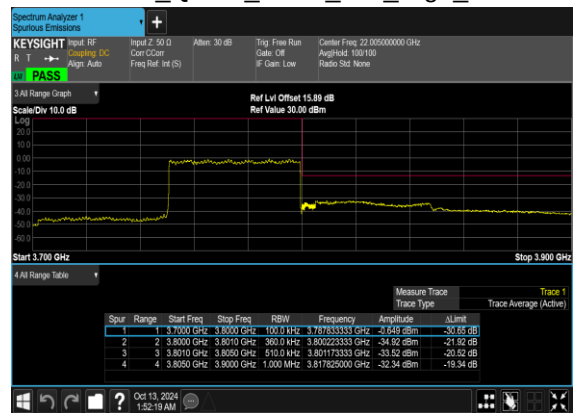
N78(50M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



N78(50M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_High\_CH



N78(50M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_High\_CH





Software Version: 23.06.1602

**FR1 N78(Ant6)\_SCS30kHz****Transmitter Conducted Output Power And EIRP, (G<sub>T</sub> - L<sub>C</sub>)=-2.7dB**

| NR Band | SCS | BandWidth | Arfcn  | Freq(MHz) | Modulation        | RB  | Conducted Power(dBm) | EIRP(dBm) | EIRP(W) |
|---------|-----|-----------|--------|-----------|-------------------|-----|----------------------|-----------|---------|
| 78      | 30  | 10        | 647000 | 3705      | DFT-s-OFDM QPSK   | 1@1 | 25.85                | 23.15     | 0.2065  |
| 78      | 30  | 10        | 647000 | 3705      | DFT-s-OFDM 16 QAM | 1@1 | 25.01                | 22.31     | 0.1702  |
| 78      | 30  | 10        | 650000 | 3750      | DFT-s-OFDM QPSK   | 1@1 | 25.41                | 22.71     | 0.1866  |
| 78      | 30  | 10        | 650000 | 3750      | DFT-s-OFDM 16 QAM | 1@1 | 24.52                | 21.82     | 0.1521  |
| 78      | 30  | 10        | 653000 | 3795      | DFT-s-OFDM QPSK   | 1@1 | 25.66                | 22.96     | 0.1977  |
| 78      | 30  | 10        | 653000 | 3795      | DFT-s-OFDM 16 QAM | 1@1 | 24.82                | 22.12     | 0.1629  |
| 78      | 30  | 15        | 647168 | 3707.52   | DFT-s-OFDM QPSK   | 1@1 | 25.82                | 23.12     | 0.2051  |
| 78      | 30  | 15        | 647168 | 3707.52   | DFT-s-OFDM 16 QAM | 1@1 | 24.85                | 22.15     | 0.1641  |
| 78      | 30  | 15        | 650000 | 3750      | DFT-s-OFDM QPSK   | 1@1 | 25.76                | 23.06     | 0.2023  |
| 78      | 30  | 15        | 650000 | 3750      | DFT-s-OFDM 16 QAM | 1@1 | 24.5                 | 21.8      | 0.1514  |
| 78      | 30  | 15        | 652832 | 3792.48   | DFT-s-OFDM QPSK   | 1@1 | 25.6                 | 22.9      | 0.1950  |
| 78      | 30  | 15        | 652832 | 3792.48   | DFT-s-OFDM 16 QAM | 1@1 | 24.75                | 22.05     | 0.1603  |
| 78      | 30  | 20        | 647334 | 3710.01   | DFT-s-OFDM QPSK   | 1@1 | 25.81                | 23.11     | 0.2046  |
| 78      | 30  | 20        | 647334 | 3710.01   | DFT-s-OFDM 16 QAM | 1@1 | 24.93                | 22.23     | 0.1671  |
| 78      | 30  | 20        | 650000 | 3750      | DFT-s-OFDM QPSK   | 1@1 | 25.42                | 22.72     | 0.1871  |
| 78      | 30  | 20        | 650000 | 3750      | DFT-s-OFDM 16 QAM | 1@1 | 24.57                | 21.87     | 0.1538  |
| 78      | 30  | 20        | 652666 | 3789.99   | DFT-s-OFDM QPSK   | 1@1 | 25.68                | 22.98     | 0.1986  |
| 78      | 30  | 20        | 652666 | 3789.99   | DFT-s-OFDM 16 QAM | 1@1 | 24.82                | 22.12     | 0.1629  |
| 78      | 30  | 25        | 647500 | 3712.5    | DFT-s-OFDM QPSK   | 1@1 | 25.8                 | 23.1      | 0.2042  |
| 78      | 30  | 25        | 647500 | 3712.5    | DFT-s-OFDM 16 QAM | 1@1 | 24.94                | 22.24     | 0.1675  |
| 78      | 30  | 25        | 650000 | 3750      | DFT-s-OFDM QPSK   | 1@1 | 25.48                | 22.78     | 0.1897  |
| 78      | 30  | 25        | 650000 | 3750      | DFT-s-OFDM 16 QAM | 1@1 | 24.62                | 21.92     | 0.1556  |
| 78      | 30  | 25        | 652500 | 3787.5    | DFT-s-OFDM QPSK   | 1@1 | 25.66                | 22.96     | 0.1977  |
| 78      | 30  | 25        | 652500 | 3787.5    | DFT-s-OFDM 16 QAM | 1@1 | 24.81                | 22.11     | 0.1626  |
| 78      | 30  | 30        | 647668 | 3715.02   | DFT-s-OFDM QPSK   | 1@1 | 25.86                | 23.16     | 0.2070  |
| 78      | 30  | 30        | 647668 | 3715.02   | DFT-s-OFDM 16 QAM | 1@1 | 24.92                | 22.22     | 0.1667  |
| 78      | 30  | 30        | 650000 | 3750      | DFT-s-OFDM QPSK   | 1@1 | 25.59                | 22.89     | 0.1945  |
| 78      | 30  | 30        | 650000 | 3750      | DFT-s-OFDM 16 QAM | 1@1 | 24.7                 | 22        | 0.1585  |
| 78      | 30  | 30        | 652332 | 3784.98   | DFT-s-OFDM QPSK   | 1@1 | 25.68                | 22.98     | 0.1986  |
| 78      | 30  | 30        | 652332 | 3784.98   | DFT-s-OFDM 16 QAM | 1@1 | 24.67                | 21.97     | 0.1574  |
| 78      | 30  | 40        | 648000 | 3720      | DFT-s-OFDM QPSK   | 1@1 | 26                   | 23.3      | 0.2138  |
| 78      | 30  | 40        | 648000 | 3720      | DFT-s-OFDM 16 QAM | 1@1 | 24.91                | 22.21     | 0.1663  |
| 78      | 30  | 40        | 650000 | 3750      | DFT-s-OFDM QPSK   | 1@1 | 25.62                | 22.92     | 0.1959  |
| 78      | 30  | 40        | 650000 | 3750      | DFT-s-OFDM 16 QAM | 1@1 | 24.6                 | 21.9      | 0.1549  |



|    |    |     |        |         |                      |        |       |       |        |
|----|----|-----|--------|---------|----------------------|--------|-------|-------|--------|
| 78 | 30 | 40  | 652000 | 3780    | DFT-s-OFDM QPSK      | 1@1    | 25.64 | 22.94 | 0.1968 |
| 78 | 30 | 40  | 652000 | 3780    | DFT-s-OFDM 16 QAM    | 1@1    | 24.7  | 22    | 0.1585 |
| 78 | 30 | 50  | 648334 | 3725.01 | DFT-s-OFDM QPSK      | 1@1    | 25.86 | 23.16 | 0.2070 |
| 78 | 30 | 50  | 648334 | 3725.01 | DFT-s-OFDM 16 QAM    | 1@1    | 24.96 | 22.26 | 0.1683 |
| 78 | 30 | 50  | 650000 | 3750    | DFT-s-OFDM QPSK      | 1@1    | 25.62 | 22.92 | 0.1959 |
| 78 | 30 | 50  | 650000 | 3750    | DFT-s-OFDM 16 QAM    | 1@1    | 24.67 | 21.97 | 0.1574 |
| 78 | 30 | 50  | 651666 | 3774.99 | DFT-s-OFDM QPSK      | 1@1    | 25.73 | 23.03 | 0.2009 |
| 78 | 30 | 50  | 651666 | 3774.99 | DFT-s-OFDM 16 QAM    | 1@1    | 24.6  | 21.9  | 0.1549 |
| 78 | 30 | 60  | 648668 | 3730.02 | DFT-s-OFDM QPSK      | 1@1    | 25.81 | 23.11 | 0.2046 |
| 78 | 30 | 60  | 648668 | 3730.02 | DFT-s-OFDM 16 QAM    | 1@1    | 24.86 | 22.16 | 0.1644 |
| 78 | 30 | 60  | 650000 | 3750    | DFT-s-OFDM QPSK      | 1@1    | 25.67 | 22.97 | 0.1982 |
| 78 | 30 | 60  | 650000 | 3750    | DFT-s-OFDM 16 QAM    | 1@1    | 24.75 | 22.05 | 0.1603 |
| 78 | 30 | 60  | 651332 | 3769.98 | DFT-s-OFDM QPSK      | 1@1    | 25.44 | 22.74 | 0.1879 |
| 78 | 30 | 60  | 651332 | 3769.98 | DFT-s-OFDM 16 QAM    | 1@1    | 24.42 | 21.72 | 0.1486 |
| 78 | 30 | 70  | 649000 | 3735    | DFT-s-OFDM QPSK      | 1@1    | 25.82 | 23.12 | 0.2051 |
| 78 | 30 | 70  | 649000 | 3735    | DFT-s-OFDM 16 QAM    | 1@1    | 24.78 | 22.08 | 0.1614 |
| 78 | 30 | 70  | 650000 | 3750    | DFT-s-OFDM QPSK      | 1@1    | 25.72 | 23.02 | 0.2004 |
| 78 | 30 | 70  | 650000 | 3750    | DFT-s-OFDM 16 QAM    | 1@1    | 24.8  | 22.1  | 0.1622 |
| 78 | 30 | 70  | 651000 | 3765    | DFT-s-OFDM QPSK      | 1@1    | 25.55 | 22.85 | 0.1928 |
| 78 | 30 | 70  | 651000 | 3765    | DFT-s-OFDM 16 QAM    | 1@1    | 24.57 | 21.87 | 0.1538 |
| 78 | 30 | 80  | 649334 | 3740.01 | DFT-s-OFDM QPSK      | 1@1    | 25.82 | 23.12 | 0.2051 |
| 78 | 30 | 80  | 649334 | 3740.01 | DFT-s-OFDM 16 QAM    | 1@1    | 24.82 | 22.12 | 0.1629 |
| 78 | 30 | 80  | 650000 | 3750    | DFT-s-OFDM QPSK      | 1@1    | 25.8  | 23.1  | 0.2042 |
| 78 | 30 | 80  | 650000 | 3750    | DFT-s-OFDM 16 QAM    | 1@1    | 24.8  | 22.1  | 0.1622 |
| 78 | 30 | 80  | 650666 | 3759.99 | DFT-s-OFDM QPSK      | 1@1    | 25.62 | 22.92 | 0.1959 |
| 78 | 30 | 80  | 650666 | 3759.99 | DFT-s-OFDM 16 QAM    | 1@1    | 24.66 | 21.96 | 0.1570 |
| 78 | 30 | 90  | 649668 | 3745.02 | DFT-s-OFDM QPSK      | 1@1    | 25.83 | 23.13 | 0.2056 |
| 78 | 30 | 90  | 649668 | 3745.02 | DFT-s-OFDM 16 QAM    | 1@1    | 24.91 | 22.21 | 0.1663 |
| 78 | 30 | 90  | 650000 | 3750    | DFT-s-OFDM QPSK      | 1@1    | 26.15 | 23.45 | 0.2213 |
| 78 | 30 | 90  | 650000 | 3750    | DFT-s-OFDM 16 QAM    | 1@1    | 24.91 | 22.21 | 0.1663 |
| 78 | 30 | 90  | 650332 | 3754.98 | DFT-s-OFDM QPSK      | 1@1    | 26.09 | 23.39 | 0.2183 |
| 78 | 30 | 90  | 650332 | 3754.98 | DFT-s-OFDM 16 QAM    | 1@1    | 24.81 | 22.11 | 0.1626 |
| 78 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM PI/2 BPSK | 135@67 | 25.66 | 22.96 | 0.1977 |
| 78 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM PI/2 BPSK | 1@1    | 25.84 | 23.14 | 0.2061 |
| 78 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM PI/2 BPSK | 1@271  | 25.64 | 22.94 | 0.1968 |
| 78 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM QPSK      | 135@67 | 25.66 | 22.96 | 0.1977 |
| 78 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM QPSK      | 1@1    | 26.16 | 23.46 | 0.2218 |
| 78 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM QPSK      | 1@271  | 25.53 | 22.83 | 0.1919 |
| 78 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM 16 QAM    | 135@67 | 24.67 | 21.97 | 0.1574 |
| 78 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM 16 QAM    | 1@1    | 24.92 | 22.22 | 0.1667 |
| 78 | 30 | 100 | 650000 | 3750    | DFT-s-OFDM 16 QAM    | 1@271  | 24.58 | 21.88 | 0.1542 |



|    |    |     |        |      |                    |        |       |       |        |
|----|----|-----|--------|------|--------------------|--------|-------|-------|--------|
| 78 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM 64 QAM  | 135@67 | 23.22 | 20.52 | 0.1127 |
| 78 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM 64 QAM  | 1@1    | 23.29 | 20.59 | 0.1146 |
| 78 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM 64 QAM  | 1@271  | 23.09 | 20.39 | 0.1094 |
| 78 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM 256 QAM | 135@67 | 21.23 | 18.53 | 0.0713 |
| 78 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM 256 QAM | 1@1    | 21.28 | 18.58 | 0.0721 |
| 78 | 30 | 100 | 650000 | 3750 | DFT-s-OFDM 256 QAM | 1@271  | 21.06 | 18.36 | 0.0685 |
| 78 | 30 | 100 | 650000 | 3750 | CP-OFDM QPSK       | 137@68 | 24.12 | 21.42 | 0.1387 |
| 78 | 30 | 100 | 650000 | 3750 | CP-OFDM QPSK       | 1@1    | 24.37 | 21.67 | 0.1469 |
| 78 | 30 | 100 | 650000 | 3750 | CP-OFDM QPSK       | 1@271  | 24.06 | 21.36 | 0.1368 |



## Frequency Stability

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB   | Deviation (ppm) | Verdict | Environment |
|---------|-----------|-----------------|--------|------------|-----------------|------|-----------------|---------|-------------|
| 78      | 30        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 50@0 | 0.0054          | PASS    | NV          |
| 78      | 30        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 50@0 | 0.0020          | PASS    | LV          |
| 78      | 30        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 50@0 | 0.0040          | PASS    | HV          |
| 78      | 30        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 50@0 | 0.0033          | PASS    | -30°C       |
| 78      | 30        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 50@0 | 0.0045          | PASS    | -20°C       |
| 78      | 30        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 50@0 | 0.0038          | PASS    | -10°C       |
| 78      | 30        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 50@0 | 0.0055          | PASS    | 0°C         |
| 78      | 30        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 50@0 | 0.0068          | PASS    | 10°C        |
| 78      | 30        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 50@0 | 0.0054          | PASS    | 20°C        |
| 78      | 30        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 50@0 | 0.0055          | PASS    | 30°C        |
| 78      | 30        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 50@0 | 0.0056          | PASS    | 40°C        |
| 78      | 30        | 20              | 650000 | 3750.0     | DFT-s-OFDM QPSK | 50@0 | 0.0060          | PASS    | 50°C        |