



Software Version: 23.06.1602

**FR1 N12(ANT1)****Transmitter Conducted Output Power and ERP, (G<sub>T</sub> - L<sub>C</sub>)=-3.5dB**

| NR Band | SCS | BandWidth | Arfcn  | Freq(MHz) | Modulation        | RB    | Conducted Power(dBm) | ERP(dBm) | ERP(W) |
|---------|-----|-----------|--------|-----------|-------------------|-------|----------------------|----------|--------|
| 12      | 15  | 5         | 140300 | 701.5     | DFT-s-OFDM QPSK   | 12@6  | 24.11                | 18.46    | 0.0701 |
| 12      | 15  | 5         | 140300 | 701.5     | DFT-s-OFDM QPSK   | 1@1   | 24.33                | 18.68    | 0.0738 |
| 12      | 15  | 5         | 140300 | 701.5     | DFT-s-OFDM QPSK   | 1@23  | 24.2                 | 18.55    | 0.0716 |
| 12      | 15  | 5         | 140300 | 701.5     | DFT-s-OFDM 16 QAM | 12@6  | 23.01                | 17.36    | 0.0545 |
| 12      | 15  | 5         | 140300 | 701.5     | DFT-s-OFDM 16 QAM | 1@1   | 23.31                | 17.66    | 0.0583 |
| 12      | 15  | 5         | 140300 | 701.5     | DFT-s-OFDM 16 QAM | 1@23  | 23.17                | 17.52    | 0.0565 |
| 12      | 15  | 5         | 141500 | 707.5     | DFT-s-OFDM QPSK   | 12@6  | 23.98                | 18.33    | 0.0681 |
| 12      | 15  | 5         | 141500 | 707.5     | DFT-s-OFDM QPSK   | 1@1   | 24.14                | 18.49    | 0.0706 |
| 12      | 15  | 5         | 141500 | 707.5     | DFT-s-OFDM QPSK   | 1@23  | 24.1                 | 18.45    | 0.0700 |
| 12      | 15  | 5         | 141500 | 707.5     | DFT-s-OFDM 16 QAM | 12@6  | 22.94                | 17.29    | 0.0536 |
| 12      | 15  | 5         | 141500 | 707.5     | DFT-s-OFDM 16 QAM | 1@1   | 23.14                | 17.49    | 0.0561 |
| 12      | 15  | 5         | 141500 | 707.5     | DFT-s-OFDM 16 QAM | 1@23  | 23.08                | 17.43    | 0.0553 |
| 12      | 15  | 5         | 142700 | 713.5     | DFT-s-OFDM QPSK   | 12@6  | 23.85                | 18.2     | 0.0661 |
| 12      | 15  | 5         | 142700 | 713.5     | DFT-s-OFDM QPSK   | 1@1   | 24.01                | 18.36    | 0.0685 |
| 12      | 15  | 5         | 142700 | 713.5     | DFT-s-OFDM QPSK   | 1@23  | 23.96                | 18.31    | 0.0678 |
| 12      | 15  | 5         | 142700 | 713.5     | DFT-s-OFDM 16 QAM | 12@6  | 22.79                | 17.14    | 0.0518 |
| 12      | 15  | 5         | 142700 | 713.5     | DFT-s-OFDM 16 QAM | 1@1   | 22.98                | 17.33    | 0.0541 |
| 12      | 15  | 5         | 142700 | 713.5     | DFT-s-OFDM 16 QAM | 1@23  | 22.98                | 17.33    | 0.0541 |
| 12      | 15  | 10        | 140800 | 704       | DFT-s-OFDM QPSK   | 25@12 | 24.06                | 18.41    | 0.0693 |
| 12      | 15  | 10        | 140800 | 704       | DFT-s-OFDM QPSK   | 1@1   | 24.34                | 18.69    | 0.0740 |
| 12      | 15  | 10        | 140800 | 704       | DFT-s-OFDM QPSK   | 1@50  | 24.05                | 18.4     | 0.0692 |
| 12      | 15  | 10        | 140800 | 704       | DFT-s-OFDM 16 QAM | 25@12 | 23.13                | 17.48    | 0.0560 |
| 12      | 15  | 10        | 140800 | 704       | DFT-s-OFDM 16 QAM | 1@1   | 23.28                | 17.63    | 0.0579 |
| 12      | 15  | 10        | 140800 | 704       | DFT-s-OFDM 16 QAM | 1@50  | 23.05                | 17.4     | 0.0550 |
| 12      | 15  | 10        | 141500 | 707.5     | DFT-s-OFDM QPSK   | 25@12 | 24.01                | 18.36    | 0.0685 |
| 12      | 15  | 10        | 141500 | 707.5     | DFT-s-OFDM QPSK   | 1@1   | 24.14                | 18.49    | 0.0706 |
| 12      | 15  | 10        | 141500 | 707.5     | DFT-s-OFDM QPSK   | 1@50  | 24.07                | 18.42    | 0.0695 |
| 12      | 15  | 10        | 141500 | 707.5     | DFT-s-OFDM 16 QAM | 25@12 | 23.01                | 17.36    | 0.0545 |
| 12      | 15  | 10        | 141500 | 707.5     | DFT-s-OFDM 16 QAM | 1@1   | 23.23                | 17.58    | 0.0573 |
| 12      | 15  | 10        | 141500 | 707.5     | DFT-s-OFDM 16 QAM | 1@50  | 23.04                | 17.39    | 0.0548 |
| 12      | 15  | 10        | 142200 | 711       | DFT-s-OFDM QPSK   | 25@12 | 23.93                | 18.28    | 0.0673 |
| 12      | 15  | 10        | 142200 | 711       | DFT-s-OFDM QPSK   | 1@1   | 24.11                | 18.46    | 0.0701 |
| 12      | 15  | 10        | 142200 | 711       | DFT-s-OFDM QPSK   | 1@50  | 23.96                | 18.31    | 0.0678 |



| NR Band | SCS | BandWidth | Arfcn  | Freq(MHz) | Modulation           | RB    | Conducted Power(dBm) | ERP(dBm) | ERP(W) |
|---------|-----|-----------|--------|-----------|----------------------|-------|----------------------|----------|--------|
| 12      | 15  | 10        | 142200 | 711       | DFT-s-OFDM 16 QAM    | 25@12 | 22.92                | 17.27    | 0.0533 |
| 12      | 15  | 10        | 142200 | 711       | DFT-s-OFDM 16 QAM    | 1@1   | 23.19                | 17.54    | 0.0568 |
| 12      | 15  | 10        | 142200 | 711       | DFT-s-OFDM 16 QAM    | 1@50  | 22.93                | 17.28    | 0.0535 |
| 12      | 15  | 15        | 141300 | 706.5     | DFT-s-OFDM PI/2 BPSK | 36@18 | 24.29                | 18.64    | 0.0731 |
| 12      | 15  | 15        | 141300 | 706.5     | DFT-s-OFDM PI/2 BPSK | 1@1   | 24.38                | 18.73    | 0.0746 |
| 12      | 15  | 15        | 141300 | 706.5     | DFT-s-OFDM PI/2 BPSK | 1@77  | 24.12                | 18.47    | 0.0703 |
| 12      | 15  | 15        | 141300 | 706.5     | DFT-s-OFDM QPSK      | 36@18 | 23.83                | 18.18    | 0.0658 |
| 12      | 15  | 15        | 141300 | 706.5     | DFT-s-OFDM QPSK      | 1@1   | 23.78                | 18.13    | 0.0650 |
| 12      | 15  | 15        | 141300 | 706.5     | DFT-s-OFDM QPSK      | 1@77  | 24.36                | 18.71    | 0.0743 |
| 12      | 15  | 15        | 141300 | 706.5     | DFT-s-OFDM 16 QAM    | 36@18 | 22.87                | 17.22    | 0.0527 |
| 12      | 15  | 15        | 141300 | 706.5     | DFT-s-OFDM 16 QAM    | 1@1   | 23                   | 17.35    | 0.0543 |
| 12      | 15  | 15        | 141300 | 706.5     | DFT-s-OFDM 16 QAM    | 1@77  | 23.3                 | 17.65    | 0.0582 |
| 12      | 15  | 15        | 141300 | 706.5     | DFT-s-OFDM 64 QAM    | 36@18 | 21.47                | 15.82    | 0.0382 |
| 12      | 15  | 15        | 141300 | 706.5     | DFT-s-OFDM 64 QAM    | 1@1   | 21.53                | 15.88    | 0.0387 |
| 12      | 15  | 15        | 141300 | 706.5     | DFT-s-OFDM 64 QAM    | 1@77  | 21.8                 | 16.15    | 0.0412 |
| 12      | 15  | 15        | 141300 | 706.5     | DFT-s-OFDM 256 QAM   | 36@18 | 19.8                 | 14.15    | 0.0260 |
| 12      | 15  | 15        | 141300 | 706.5     | DFT-s-OFDM 256 QAM   | 1@1   | 19.69                | 14.04    | 0.0254 |
| 12      | 15  | 15        | 141300 | 706.5     | DFT-s-OFDM 256 QAM   | 1@77  | 19.57                | 13.92    | 0.0247 |
| 12      | 15  | 15        | 141300 | 706.5     | CP-OFDM QPSK         | 39@19 | 22.4                 | 16.75    | 0.0473 |
| 12      | 15  | 15        | 141300 | 706.5     | CP-OFDM QPSK         | 1@1   | 22.51                | 16.86    | 0.0485 |
| 12      | 15  | 15        | 141300 | 706.5     | CP-OFDM QPSK         | 1@77  | 22.74                | 17.09    | 0.0512 |
| 12      | 15  | 15        | 141500 | 707.5     | DFT-s-OFDM PI/2 BPSK | 36@18 | 24.3                 | 18.65    | 0.0733 |
| 12      | 15  | 15        | 141500 | 707.5     | DFT-s-OFDM PI/2 BPSK | 1@1   | 24.35                | 18.7     | 0.0741 |
| 12      | 15  | 15        | 141500 | 707.5     | DFT-s-OFDM PI/2 BPSK | 1@77  | 24.07                | 18.42    | 0.0695 |
| 12      | 15  | 15        | 141500 | 707.5     | DFT-s-OFDM QPSK      | 36@18 | 23.91                | 18.26    | 0.0670 |
| 12      | 15  | 15        | 141500 | 707.5     | DFT-s-OFDM QPSK      | 1@1   | 23.7                 | 18.05    | 0.0638 |
| 12      | 15  | 15        | 141500 | 707.5     | DFT-s-OFDM QPSK      | 1@77  | 24.32                | 18.67    | 0.0736 |
| 12      | 15  | 15        | 141500 | 707.5     | DFT-s-OFDM 16 QAM    | 36@18 | 22.99                | 17.34    | 0.0542 |
| 12      | 15  | 15        | 141500 | 707.5     | DFT-s-OFDM 16 QAM    | 1@1   | 22.92                | 17.27    | 0.0533 |
| 12      | 15  | 15        | 141500 | 707.5     | DFT-s-OFDM 16 QAM    | 1@77  | 23.25                | 17.6     | 0.0575 |
| 12      | 15  | 15        | 141500 | 707.5     | DFT-s-OFDM 64 QAM    | 36@18 | 21.58                | 15.93    | 0.0392 |
| 12      | 15  | 15        | 141500 | 707.5     | DFT-s-OFDM 64 QAM    | 1@1   | 21.48                | 15.83    | 0.0383 |
| 12      | 15  | 15        | 141500 | 707.5     | DFT-s-OFDM 64 QAM    | 1@77  | 21.85                | 16.2     | 0.0417 |
| 12      | 15  | 15        | 141500 | 707.5     | DFT-s-OFDM 256 QAM   | 36@18 | 19.52                | 13.87    | 0.0244 |
| 12      | 15  | 15        | 141500 | 707.5     | DFT-s-OFDM 256 QAM   | 1@1   | 19.64                | 13.99    | 0.0251 |
| 12      | 15  | 15        | 141500 | 707.5     | DFT-s-OFDM 256 QAM   | 1@77  | 19.48                | 13.83    | 0.0242 |
| 12      | 15  | 15        | 141500 | 707.5     | CP-OFDM QPSK         | 39@19 | 22.74                | 17.09    | 0.0512 |
| 12      | 15  | 15        | 141500 | 707.5     | CP-OFDM QPSK         | 1@1   | 22.64                | 16.99    | 0.0500 |
| 12      | 15  | 15        | 141500 | 707.5     | CP-OFDM QPSK         | 1@77  | 22.69                | 17.04    | 0.0506 |
| 12      | 15  | 15        | 141700 | 708.5     | DFT-s-OFDM PI/2 BPSK | 36@18 | 24.23                | 18.58    | 0.0721 |



| NR Band | SCS | BandWidth | Arfcn  | Freq(MHz) | Modulation           | RB    | Conducted Power(dBm) | ERP(dBm) | ERP(W) |
|---------|-----|-----------|--------|-----------|----------------------|-------|----------------------|----------|--------|
| 12      | 15  | 15        | 141700 | 708.5     | DFT-s-OFDM PI/2 BPSK | 1@1   | 24.34                | 18.69    | 0.0740 |
| 12      | 15  | 15        | 141700 | 708.5     | DFT-s-OFDM PI/2 BPSK | 1@77  | 24.02                | 18.37    | 0.0687 |
| 12      | 15  | 15        | 141700 | 708.5     | DFT-s-OFDM QPSK      | 36@18 | 24.08                | 18.43    | 0.0697 |
| 12      | 15  | 15        | 141700 | 708.5     | DFT-s-OFDM QPSK      | 1@1   | 23.75                | 18.1     | 0.0646 |
| 12      | 15  | 15        | 141700 | 708.5     | DFT-s-OFDM QPSK      | 1@77  | 24.26                | 18.61    | 0.0726 |
| 12      | 15  | 15        | 141700 | 708.5     | DFT-s-OFDM 16 QAM    | 36@18 | 23.1                 | 17.45    | 0.0556 |
| 12      | 15  | 15        | 141700 | 708.5     | DFT-s-OFDM 16 QAM    | 1@1   | 22.95                | 17.3     | 0.0537 |
| 12      | 15  | 15        | 141700 | 708.5     | DFT-s-OFDM 16 QAM    | 1@77  | 23.23                | 17.58    | 0.0573 |
| 12      | 15  | 15        | 141700 | 708.5     | DFT-s-OFDM 64 QAM    | 36@18 | 21.71                | 16.06    | 0.0404 |
| 12      | 15  | 15        | 141700 | 708.5     | DFT-s-OFDM 64 QAM    | 1@1   | 21.45                | 15.8     | 0.0380 |
| 12      | 15  | 15        | 141700 | 708.5     | DFT-s-OFDM 64 QAM    | 1@77  | 21.84                | 16.19    | 0.0416 |
| 12      | 15  | 15        | 141700 | 708.5     | DFT-s-OFDM 256 QAM   | 36@18 | 19.55                | 13.9     | 0.0245 |
| 12      | 15  | 15        | 141700 | 708.5     | DFT-s-OFDM 256 QAM   | 1@1   | 19.62                | 13.97    | 0.0249 |
| 12      | 15  | 15        | 141700 | 708.5     | DFT-s-OFDM 256 QAM   | 1@77  | 19.41                | 13.76    | 0.0238 |
| 12      | 15  | 15        | 141700 | 708.5     | CP-OFDM QPSK         | 39@19 | 22.81                | 17.16    | 0.0520 |
| 12      | 15  | 15        | 141700 | 708.5     | CP-OFDM QPSK         | 1@1   | 22.55                | 16.9     | 0.0490 |
| 12      | 15  | 15        | 141700 | 708.5     | CP-OFDM QPSK         | 1@77  | 22.7                 | 17.05    | 0.0507 |

## Frequency Stability

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB   | Deviation (Hz) | Verdict | Environment |
|---------|-----------|-----------------|--------|------------|-----------------|------|----------------|---------|-------------|
| 12      | 15        | 10              | 141500 | 707.5      | DFT-s-OFDM QPSK | 50@0 | 15.9           | PASS    | NV          |
| 12      | 15        | 10              | 141500 | 707.5      | DFT-s-OFDM QPSK | 50@0 | 17.2           | PASS    | LV          |
| 12      | 15        | 10              | 141500 | 707.5      | DFT-s-OFDM QPSK | 50@0 | 15.4           | PASS    | HV          |
| 12      | 15        | 10              | 141500 | 707.5      | DFT-s-OFDM QPSK | 50@0 | 16.3           | PASS    | -30°C       |
| 12      | 15        | 10              | 141500 | 707.5      | DFT-s-OFDM QPSK | 50@0 | 15.4           | PASS    | -20°C       |
| 12      | 15        | 10              | 141500 | 707.5      | DFT-s-OFDM QPSK | 50@0 | 18.6           | PASS    | -10°C       |
| 12      | 15        | 10              | 141500 | 707.5      | DFT-s-OFDM QPSK | 50@0 | 19.2           | PASS    | 0°C         |
| 12      | 15        | 10              | 141500 | 707.5      | DFT-s-OFDM QPSK | 50@0 | 12.7           | PASS    | 10°C        |
| 12      | 15        | 10              | 141500 | 707.5      | DFT-s-OFDM QPSK | 50@0 | 17.6           | PASS    | 20°C        |
| 12      | 15        | 10              | 141500 | 707.5      | DFT-s-OFDM QPSK | 50@0 | 15.2           | PASS    | 30°C        |
| 12      | 15        | 10              | 141500 | 707.5      | DFT-s-OFDM QPSK | 50@0 | 15.4           | PASS    | 40°C        |
| 12      | 15        | 10              | 141500 | 707.5      | DFT-s-OFDM QPSK | 50@0 | 10.8           | PASS    | 50°C        |

$|\text{MAX}(\Delta f)| = 19.2 \text{ Hz}$

| Frequency Stability            | Frequency (MHz) | Limit Line             | Result |
|--------------------------------|-----------------|------------------------|--------|
| $f_L -  \text{MAX}(\Delta f) $ | 699.3812808     | $\geq 699 \text{ MHz}$ | PASS   |
| $f_H +  \text{MAX}(\Delta f) $ | 715.8367192     | $\leq 716 \text{ MHz}$ |        |



## Peak to Average Ratio

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation           | RB   | Result (dB) | Limit (dB) | Verdict |
|---------|-----------|-----------------|--------|------------|----------------------|------|-------------|------------|---------|
| 12      | 15        | 15              | 141500 | 707.5      | DFT-s-OFDM PI/2 BPSK | 75@0 | 3.54        | 13         | PASS    |
| 12      | 15        | 15              | 141500 | 707.5      | DFT-s-OFDM QPSK      | 75@0 | 4.98        | 13         | PASS    |

N12(15M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



N12(15M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH

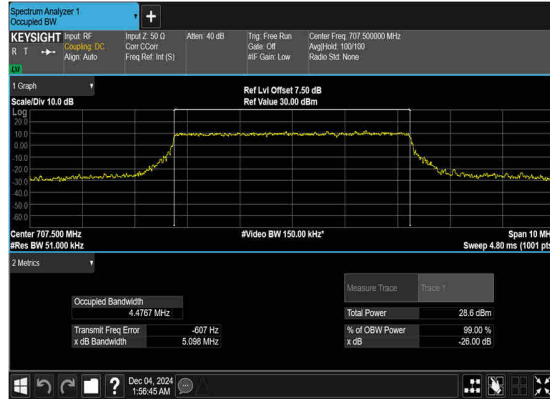


**Occupied Bandwidth**

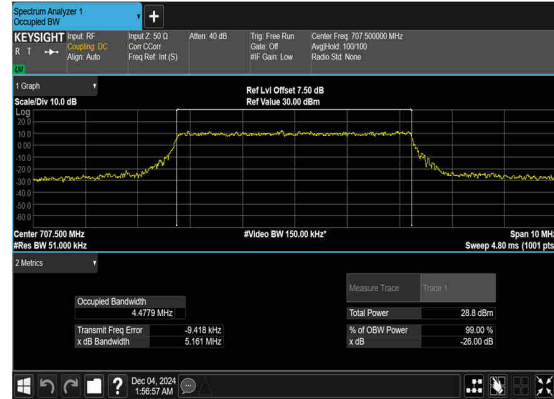
| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB   | OBW (MHz) | 26dB BW (MHz) |
|---------|-----------|-----------------|--------|------------|-----------------|------|-----------|---------------|
| 12      | 15        | 5               | 141500 | 707.5      | CP-OFDM QPSK    | 25@0 | 4.4767    | 5.098         |
| 12      | 15        | 5               | 141500 | 707.5      | CP-OFDM 16 QAM  | 25@0 | 4.4779    | 5.161         |
| 12      | 15        | 5               | 141500 | 707.5      | CP-OFDM 64 QAM  | 25@0 | 4.4714    | 5.005         |
| 12      | 15        | 5               | 141500 | 707.5      | CP-OFDM 256 QAM | 25@0 | 4.4893    | 5.016         |
| 12      | 15        | 10              | 141500 | 707.5      | CP-OFDM QPSK    | 52@0 | 9.2937    | 10.05         |
| 12      | 15        | 10              | 141500 | 707.5      | CP-OFDM 16 QAM  | 52@0 | 9.2947    | 10.04         |
| 12      | 15        | 10              | 141500 | 707.5      | CP-OFDM 64 QAM  | 52@0 | 9.2984    | 9.939         |
| 12      | 15        | 10              | 141500 | 707.5      | CP-OFDM 256 QAM | 52@0 | 9.286     | 9.909         |
| 12      | 15        | 15              | 141500 | 707.5      | CP-OFDM QPSK    | 79@0 | 14.108    | 14.84         |
| 12      | 15        | 15              | 141500 | 707.5      | CP-OFDM 16 QAM  | 79@0 | 14.083    | 14.91         |
| 12      | 15        | 15              | 141500 | 707.5      | CP-OFDM 64 QAM  | 79@0 | 14.094    | 14.88         |
| 12      | 15        | 15              | 141500 | 707.5      | CP-OFDM 256 QAM | 79@0 | 14.101    | 14.99         |



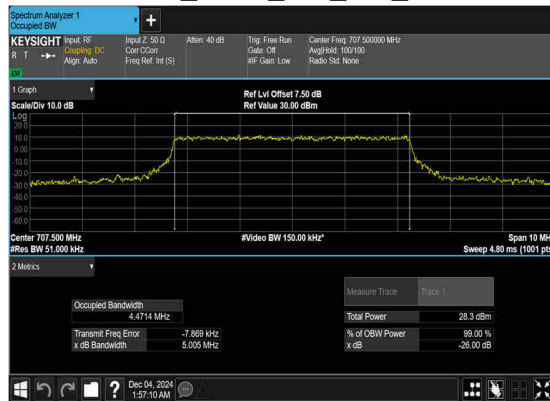
N12(5M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



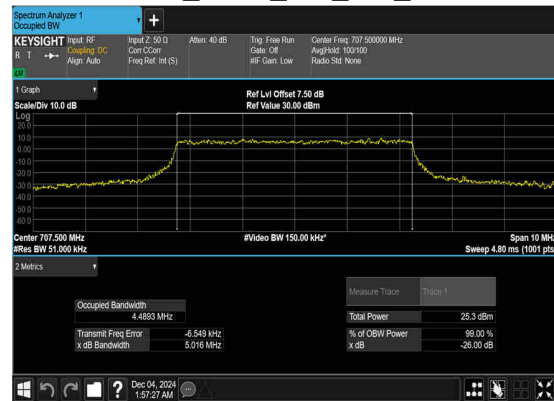
N12(5M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



N12(5M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH



N12(5M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH

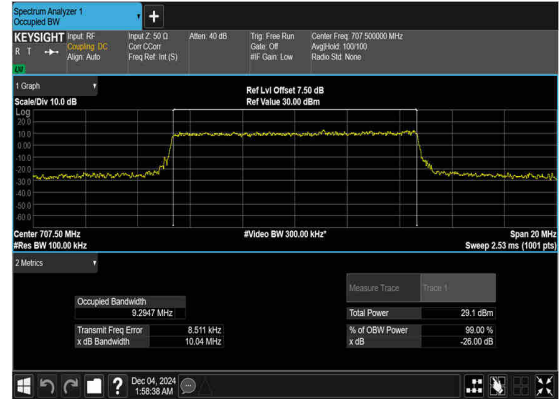




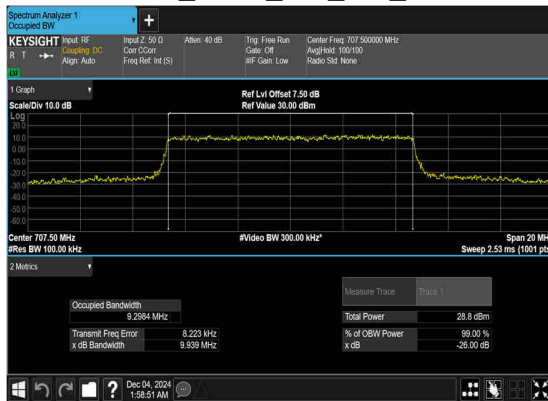
N12(10M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



N12(10M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



N12(10M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH



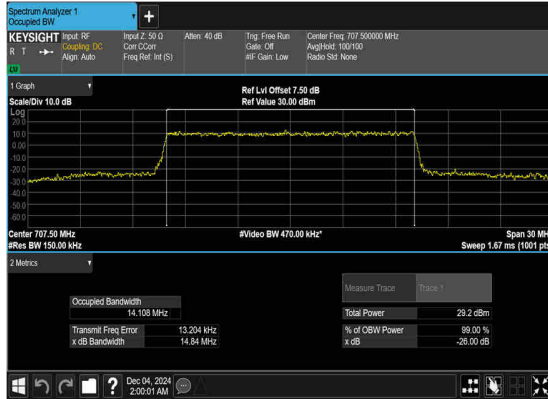
N12(10M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH



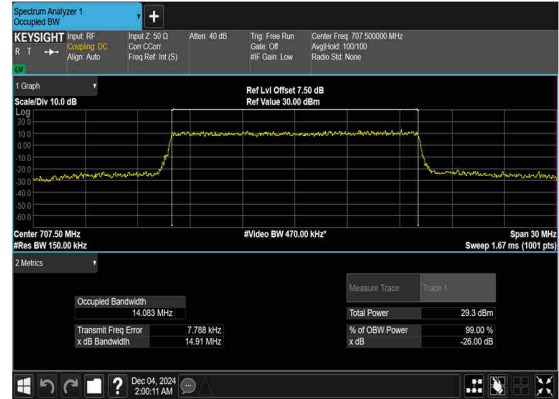




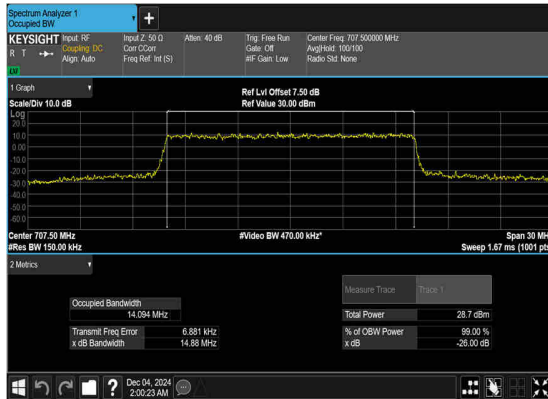
N12(15M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



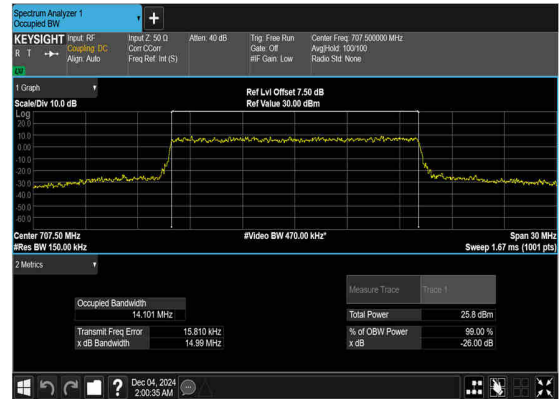
N12(15M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



N12(15M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH



N12(15M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH



**Conducted Spurious Emissions**

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB  | Result    | Verdict |
|---------|-----------|-----------------|--------|------------|-----------------|-----|-----------|---------|
| 12      | 15        | 5               | 140300 | 701.5      | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 12      | 15        | 5               | 140300 | 701.5      | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 12      | 15        | 5               | 140300 | 701.5      | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 12      | 15        | 5               | 140300 | 701.5      | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 12      | 15        | 5               | 141500 | 707.5      | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 12      | 15        | 5               | 141500 | 707.5      | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 12      | 15        | 5               | 141500 | 707.5      | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 12      | 15        | 5               | 141500 | 707.5      | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 12      | 15        | 5               | 142700 | 713.5      | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 12      | 15        | 5               | 142700 | 713.5      | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 12      | 15        | 5               | 142700 | 713.5      | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 12      | 15        | 5               | 142700 | 713.5      | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 12      | 15        | 10              | 140800 | 704.0      | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 12      | 15        | 10              | 140800 | 704.0      | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 12      | 15        | 10              | 140800 | 704.0      | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 12      | 15        | 10              | 140800 | 704.0      | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 12      | 15        | 10              | 141500 | 707.5      | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 12      | 15        | 10              | 141500 | 707.5      | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 12      | 15        | 10              | 141500 | 707.5      | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 12      | 15        | 10              | 141500 | 707.5      | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 12      | 15        | 10              | 142200 | 711.0      | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |



|    |    |    |        |       |                    |     |           |             |
|----|----|----|--------|-------|--------------------|-----|-----------|-------------|
| 12 | 15 | 10 | 142200 | 711.0 | DFT-s-OFDM<br>BPSK | 1@0 | see graph | <b>PASS</b> |
| 12 | 15 | 10 | 142200 | 711.0 | DFT-s-OFDM<br>QPSK | 1@0 | see graph | ---         |
| 12 | 15 | 10 | 142200 | 711.0 | DFT-s-OFDM<br>QPSK | 1@0 | see graph | <b>PASS</b> |
| 12 | 15 | 15 | 141300 | 706.5 | DFT-s-OFDM<br>BPSK | 1@0 | see graph | ---         |
| 12 | 15 | 15 | 141300 | 706.5 | DFT-s-OFDM<br>BPSK | 1@0 | see graph | <b>PASS</b> |
| 12 | 15 | 15 | 141300 | 706.5 | DFT-s-OFDM<br>QPSK | 1@0 | see graph | ---         |
| 12 | 15 | 15 | 141300 | 706.5 | DFT-s-OFDM<br>QPSK | 1@0 | see graph | <b>PASS</b> |
| 12 | 15 | 15 | 141500 | 707.5 | DFT-s-OFDM<br>BPSK | 1@0 | see graph | ---         |
| 12 | 15 | 15 | 141500 | 707.5 | DFT-s-OFDM<br>BPSK | 1@0 | see graph | <b>PASS</b> |
| 12 | 15 | 15 | 141500 | 707.5 | DFT-s-OFDM<br>QPSK | 1@0 | see graph | ---         |
| 12 | 15 | 15 | 141500 | 707.5 | DFT-s-OFDM<br>QPSK | 1@0 | see graph | <b>PASS</b> |
| 12 | 15 | 15 | 141700 | 708.5 | DFT-s-OFDM<br>BPSK | 1@0 | see graph | ---         |
| 12 | 15 | 15 | 141700 | 708.5 | DFT-s-OFDM<br>BPSK | 1@0 | see graph | <b>PASS</b> |
| 12 | 15 | 15 | 141700 | 708.5 | DFT-s-OFDM<br>QPSK | 1@0 | see graph | ---         |
| 12 | 15 | 15 | 141700 | 708.5 | DFT-s-OFDM<br>QPSK | 1@0 | see graph | <b>PASS</b> |



N12(5M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



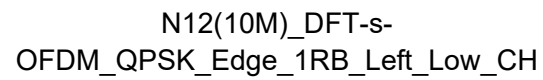
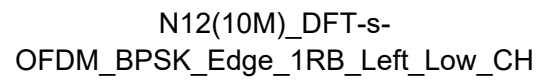
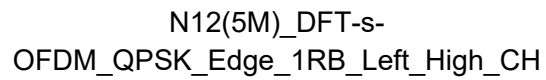
2024-12-17 14:04:42

2024-12-11 14:04:58

2024-12-17 14:04:58



N12(5M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH





N12(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



2024-12-17 14:09:53

2024-12-11 14:06:00

2024-12-11 14:06:12



N12(15M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



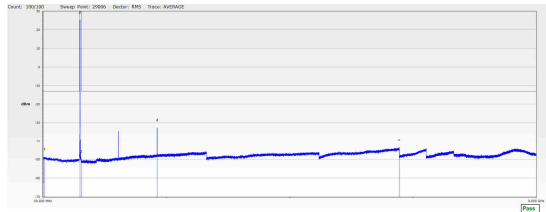
2024-12-17 14:06:58

2024-12-11 14:06:05

2024-12-17 14:06:53



N12(15M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



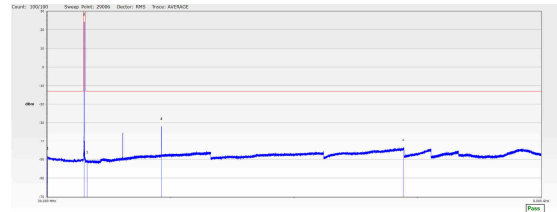
| Item | Frequency | Power    | Bandwidth | Modulation | Symbol Rate | Guard Band | Roll-off Factor | Filter      | Test Result |
|------|-----------|----------|-----------|------------|-------------|------------|-----------------|-------------|-------------|
| 1    | 1920 MHz  | -100 dBm | 15 MHz    | BPSK       | 1.25 MS/s   | 0.1 MHz    | 0.25            | Butterworth | Pass        |
| 2    | 1920 MHz  | -100 dBm | 15 MHz    | BPSK       | 1.25 MS/s   | 0.1 MHz    | 0.25            | Butterworth | Pass        |
| 3    | 1920 MHz  | -100 dBm | 15 MHz    | BPSK       | 1.25 MS/s   | 0.1 MHz    | 0.25            | Butterworth | Pass        |
| 4    | 1920 MHz  | -100 dBm | 15 MHz    | BPSK       | 1.25 MS/s   | 0.1 MHz    | 0.25            | Butterworth | Pass        |

Note: DUT is a 15 MHz bandwidth device. The test is performed under the following conditions:

Item 1: 1920 MHz

2023-12-17 14:02:01

N12(15M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



| Item | Frequency | Power    | Bandwidth | Modulation | Symbol Rate | Guard Band | Roll-off Factor | Filter      | Test Result |
|------|-----------|----------|-----------|------------|-------------|------------|-----------------|-------------|-------------|
| 1    | 1920 MHz  | -100 dBm | 15 MHz    | QPSK       | 1.25 MS/s   | 0.1 MHz    | 0.25            | Butterworth | Pass        |
| 2    | 1920 MHz  | -100 dBm | 15 MHz    | QPSK       | 1.25 MS/s   | 0.1 MHz    | 0.25            | Butterworth | Pass        |
| 3    | 1920 MHz  | -100 dBm | 15 MHz    | QPSK       | 1.25 MS/s   | 0.1 MHz    | 0.25            | Butterworth | Pass        |
| 4    | 1920 MHz  | -100 dBm | 15 MHz    | QPSK       | 1.25 MS/s   | 0.1 MHz    | 0.25            | Butterworth | Pass        |

Note: DUT is a 15 MHz bandwidth device. The test is performed under the following conditions:

Item 1: 1920 MHz

2023-12-17 14:02:01

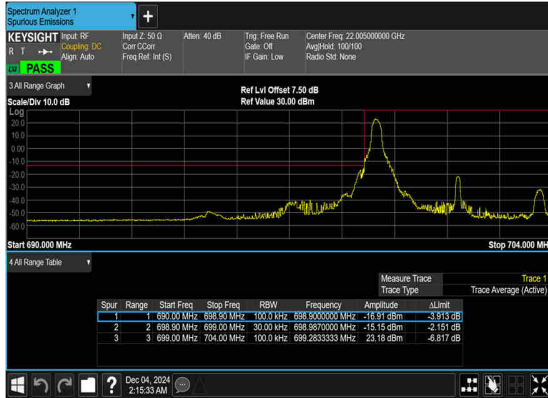


**Conducted Band Edge**

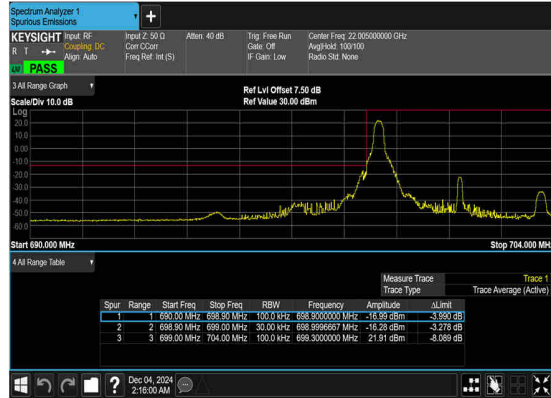
| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB   | Result    | Verdict |
|---------|-----------|-----------------|--------|------------|-----------------|------|-----------|---------|
| 12      | 15        | 5               | 140300 | 701.5      | DFT-s-OFDM BPSK | 1@0  | see graph | PASS    |
| 12      | 15        | 5               | 140300 | 701.5      | DFT-s-OFDM QPSK | 1@0  | see graph | PASS    |
| 12      | 15        | 5               | 140300 | 701.5      | DFT-s-OFDM BPSK | 25@0 | see graph | PASS    |
| 12      | 15        | 5               | 140300 | 701.5      | DFT-s-OFDM QPSK | 25@0 | see graph | PASS    |
| 12      | 15        | 5               | 142700 | 713.5      | DFT-s-OFDM BPSK | 1@24 | see graph | PASS    |
| 12      | 15        | 5               | 142700 | 713.5      | DFT-s-OFDM QPSK | 1@24 | see graph | PASS    |
| 12      | 15        | 5               | 142700 | 713.5      | DFT-s-OFDM BPSK | 25@0 | see graph | PASS    |
| 12      | 15        | 5               | 142700 | 713.5      | DFT-s-OFDM QPSK | 25@0 | see graph | PASS    |
| 12      | 15        | 10              | 140800 | 704.0      | DFT-s-OFDM BPSK | 1@0  | see graph | PASS    |
| 12      | 15        | 10              | 140800 | 704.0      | DFT-s-OFDM QPSK | 1@0  | see graph | PASS    |
| 12      | 15        | 10              | 140800 | 704.0      | DFT-s-OFDM BPSK | 50@0 | see graph | PASS    |
| 12      | 15        | 10              | 140800 | 704.0      | DFT-s-OFDM QPSK | 50@0 | see graph | PASS    |
| 12      | 15        | 10              | 142200 | 711.0      | DFT-s-OFDM BPSK | 1@51 | see graph | PASS    |
| 12      | 15        | 10              | 142200 | 711.0      | DFT-s-OFDM QPSK | 1@51 | see graph | PASS    |
| 12      | 15        | 10              | 142200 | 711.0      | DFT-s-OFDM BPSK | 50@0 | see graph | PASS    |
| 12      | 15        | 10              | 142200 | 711.0      | DFT-s-OFDM QPSK | 50@0 | see graph | PASS    |
| 12      | 15        | 15              | 141300 | 706.5      | DFT-s-OFDM BPSK | 1@0  | see graph | PASS    |
| 12      | 15        | 15              | 141300 | 706.5      | DFT-s-OFDM QPSK | 1@0  | see graph | PASS    |
| 12      | 15        | 15              | 141300 | 706.5      | DFT-s-OFDM BPSK | 75@0 | see graph | PASS    |
| 12      | 15        | 15              | 141300 | 706.5      | DFT-s-OFDM QPSK | 75@0 | see graph | PASS    |
| 12      | 15        | 15              | 141700 | 708.5      | DFT-s-OFDM BPSK | 1@78 | see graph | PASS    |
| 12      | 15        | 15              | 141700 | 708.5      | DFT-s-OFDM QPSK | 1@78 | see graph | PASS    |
| 12      | 15        | 15              | 141700 | 708.5      | DFT-s-OFDM BPSK | 75@0 | see graph | PASS    |
| 12      | 15        | 15              | 141700 | 708.5      | DFT-s-OFDM QPSK | 75@0 | see graph | PASS    |



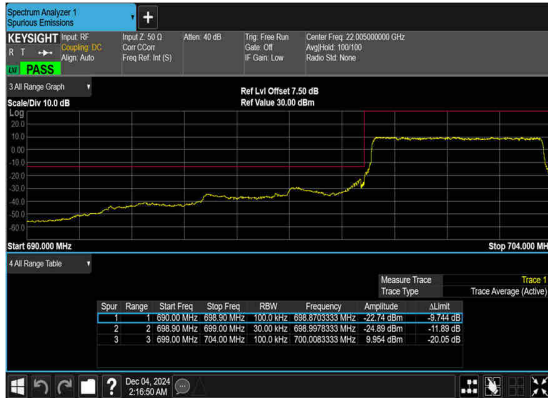
N12(5M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



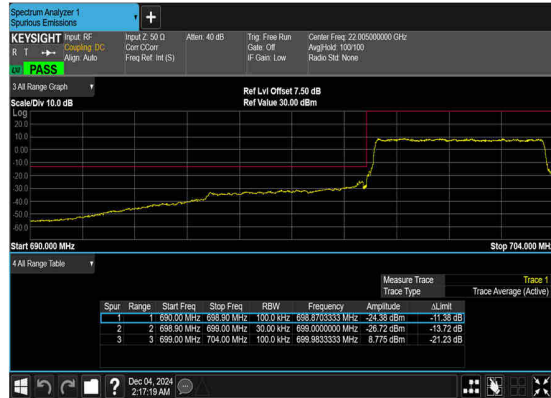
N12(5M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N12(5M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CH

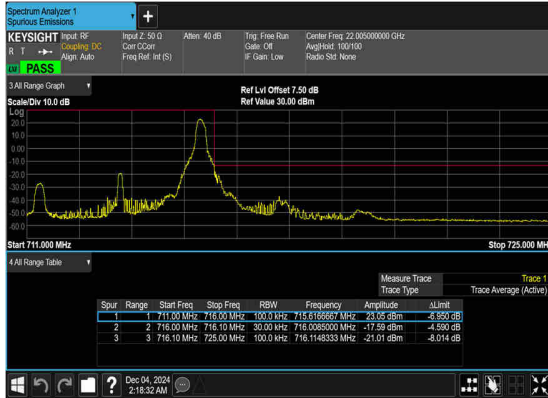


N12(5M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH

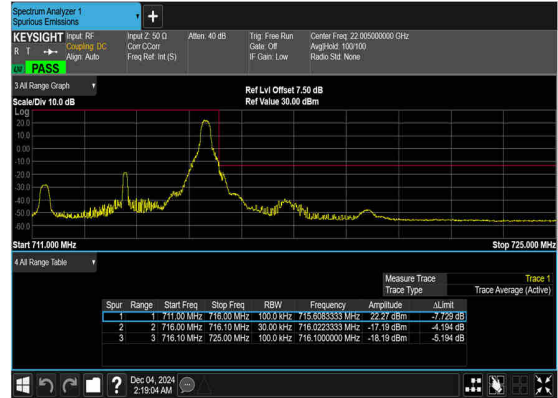




N12(5M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



N12(5M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



N12(5M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_High\_CH

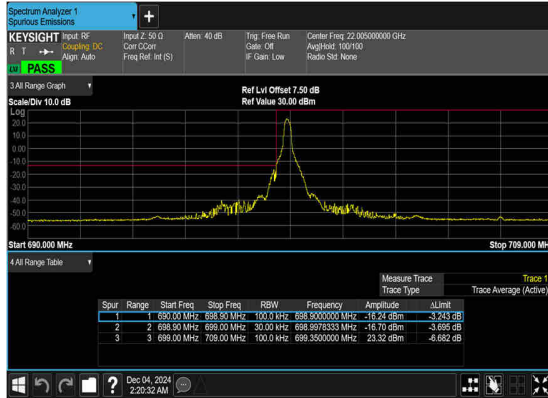


N12(5M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_High\_CH

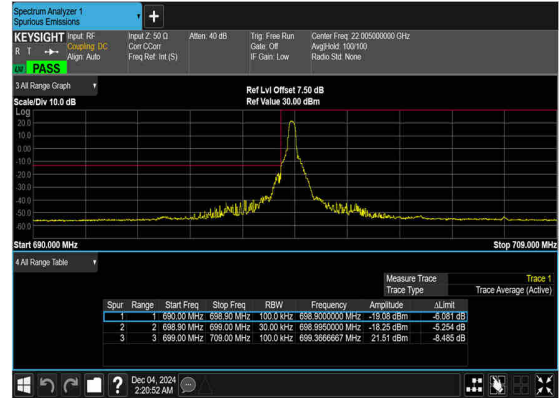




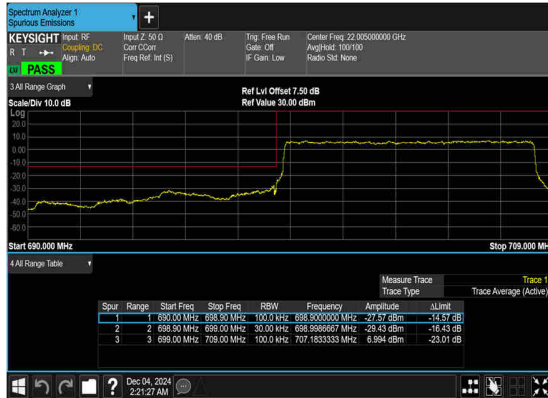
N12(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



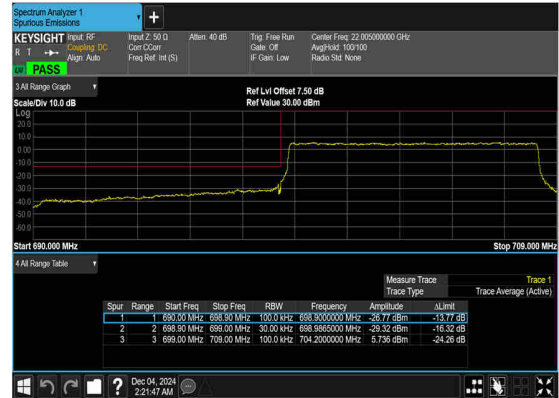
N12(10M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N12(10M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CH

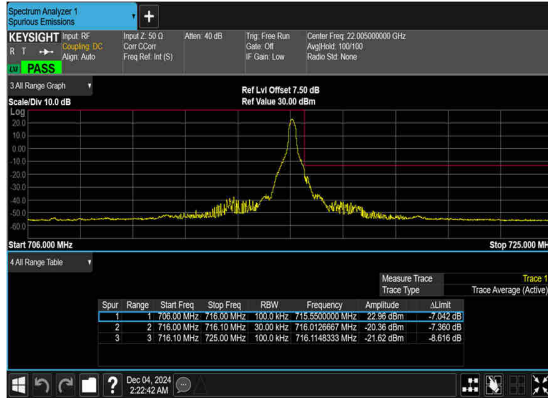


N12(10M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH

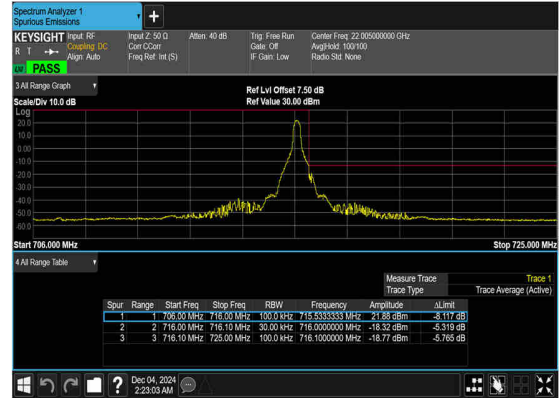




N12(10M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



N12(10M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



N12(10M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_High\_CH

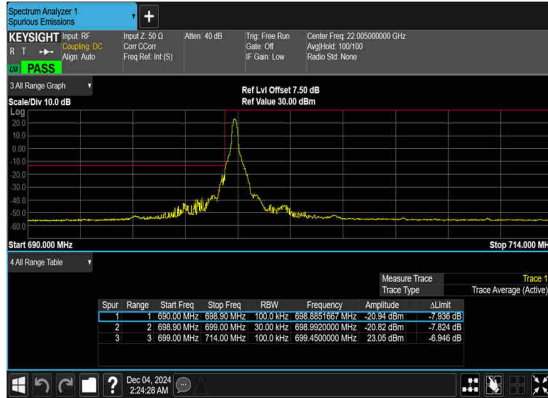


N12(10M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_High\_CH

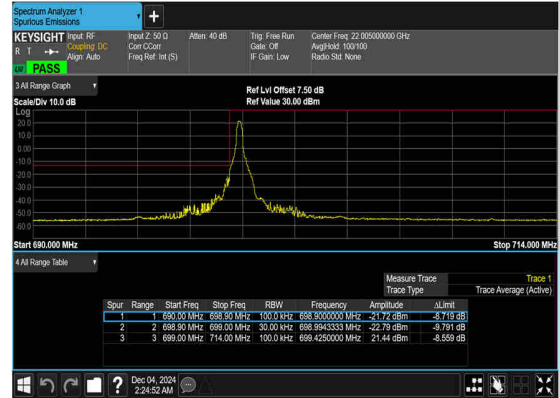




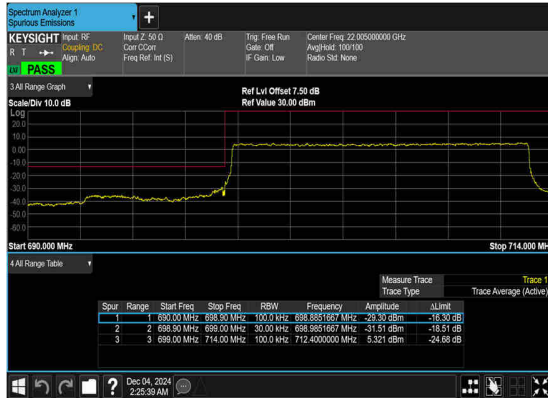
N12(15M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



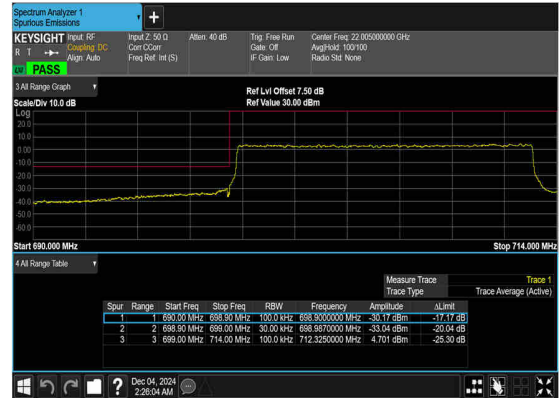
N12(15M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N12(15M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_Low\_CH

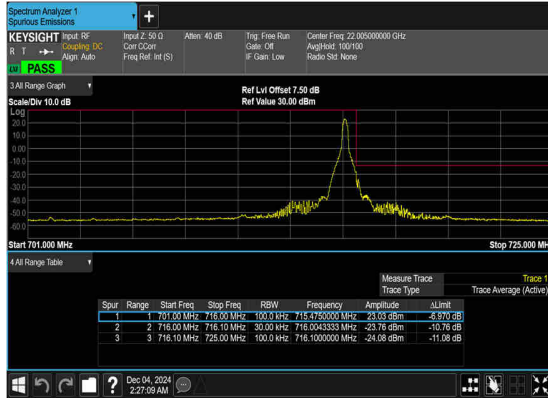


N12(15M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH

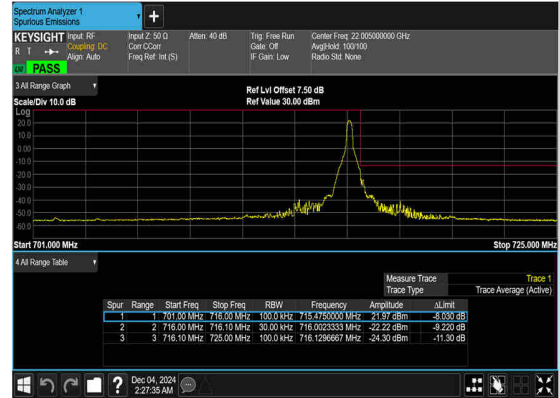




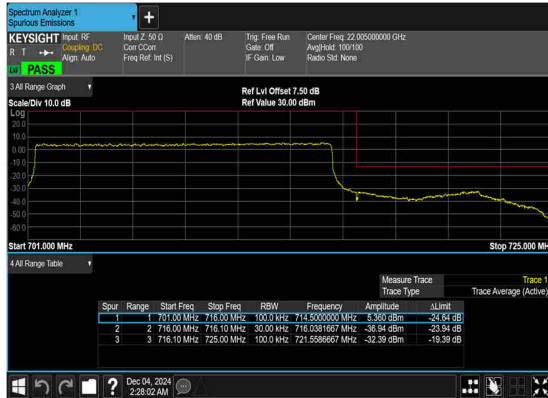
N12(15M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



N12(15M)\_DFT-s-  
OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



N12(15M)\_DFT-s-  
OFDM\_BPSK\_Outer\_Full\_High\_CH



N12(15M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_High\_CH







Software Version: 23.06.1602

## FR1 N13

Transmitter Conducted Output Power and ERP, ( $G_T - L_C$ )=-3.5dB

| NR Band | SCS | BandWidth | Arfcn  | Freq(MHz) | Modulation           | RB    | Conducted Power(dBm) | ERP(dBm) | ERP(W) |
|---------|-----|-----------|--------|-----------|----------------------|-------|----------------------|----------|--------|
| 13      | 15  | 5         | 149700 | 779.5     | DFT-s-OFDM QPSK      | 12@6  | 23.9                 | 18.25    | 0.0668 |
| 13      | 15  | 5         | 149700 | 779.5     | DFT-s-OFDM QPSK      | 1@1   | 24.08                | 18.43    | 0.0697 |
| 13      | 15  | 5         | 149700 | 779.5     | DFT-s-OFDM QPSK      | 1@23  | 24.09                | 18.44    | 0.0698 |
| 13      | 15  | 5         | 149700 | 779.5     | DFT-s-OFDM 16 QAM    | 12@6  | 22.79                | 17.14    | 0.0518 |
| 13      | 15  | 5         | 149700 | 779.5     | DFT-s-OFDM 16 QAM    | 1@1   | 23.14                | 17.49    | 0.0561 |
| 13      | 15  | 5         | 149700 | 779.5     | DFT-s-OFDM 16 QAM    | 1@23  | 23.02                | 17.37    | 0.0546 |
| 13      | 15  | 5         | 150200 | 782       | DFT-s-OFDM QPSK      | 12@6  | 23.82                | 18.17    | 0.0656 |
| 13      | 15  | 5         | 150200 | 782       | DFT-s-OFDM QPSK      | 1@1   | 24.07                | 18.42    | 0.0695 |
| 13      | 15  | 5         | 150200 | 782       | DFT-s-OFDM QPSK      | 1@23  | 24.01                | 18.36    | 0.0685 |
| 13      | 15  | 5         | 150200 | 782       | DFT-s-OFDM 16 QAM    | 12@6  | 22.78                | 17.13    | 0.0516 |
| 13      | 15  | 5         | 150200 | 782       | DFT-s-OFDM 16 QAM    | 1@1   | 23.02                | 17.37    | 0.0546 |
| 13      | 15  | 5         | 150200 | 782       | DFT-s-OFDM 16 QAM    | 1@23  | 22.95                | 17.3     | 0.0537 |
| 13      | 15  | 5         | 150700 | 784.5     | DFT-s-OFDM QPSK      | 12@6  | 23.78                | 18.13    | 0.0650 |
| 13      | 15  | 5         | 150700 | 784.5     | DFT-s-OFDM QPSK      | 1@1   | 24.05                | 18.4     | 0.0692 |
| 13      | 15  | 5         | 150700 | 784.5     | DFT-s-OFDM QPSK      | 1@23  | 23.96                | 18.31    | 0.0678 |
| 13      | 15  | 5         | 150700 | 784.5     | DFT-s-OFDM 16 QAM    | 12@6  | 22.67                | 17.02    | 0.0504 |
| 13      | 15  | 5         | 150700 | 784.5     | DFT-s-OFDM 16 QAM    | 1@1   | 22.97                | 17.32    | 0.0540 |
| 13      | 15  | 5         | 150700 | 784.5     | DFT-s-OFDM 16 QAM    | 1@23  | 22.91                | 17.26    | 0.0532 |
| 13      | 15  | 10        | 150200 | 782       | DFT-s-OFDM PI/2 BPSK | 25@12 | 24.25                | 18.6     | 0.0724 |
| 13      | 15  | 10        | 150200 | 782       | DFT-s-OFDM PI/2 BPSK | 1@1   | 24.21                | 18.56    | 0.0718 |
| 13      | 15  | 10        | 150200 | 782       | DFT-s-OFDM PI/2 BPSK | 1@50  | 24.13                | 18.48    | 0.0705 |
| 13      | 15  | 10        | 150200 | 782       | DFT-s-OFDM QPSK      | 25@12 | 24.39                | 18.74    | 0.0748 |
| 13      | 15  | 10        | 150200 | 782       | DFT-s-OFDM QPSK      | 1@1   | 23.88                | 18.23    | 0.0665 |
| 13      | 15  | 10        | 150200 | 782       | DFT-s-OFDM QPSK      | 1@50  | 24.25                | 18.6     | 0.0724 |
| 13      | 15  | 10        | 150200 | 782       | DFT-s-OFDM 16 QAM    | 25@12 | 23.31                | 17.66    | 0.0583 |
| 13      | 15  | 10        | 150200 | 782       | DFT-s-OFDM 16 QAM    | 1@1   | 23.17                | 17.52    | 0.0565 |
| 13      | 15  | 10        | 150200 | 782       | DFT-s-OFDM 16 QAM    | 1@50  | 23.31                | 17.66    | 0.0583 |
| 13      | 15  | 10        | 150200 | 782       | DFT-s-OFDM 64 QAM    | 25@12 | 21.86                | 16.21    | 0.0418 |
| 13      | 15  | 10        | 150200 | 782       | DFT-s-OFDM 64 QAM    | 1@1   | 21.93                | 16.28    | 0.0425 |
| 13      | 15  | 10        | 150200 | 782       | DFT-s-OFDM 64 QAM    | 1@50  | 21.91                | 16.26    | 0.0423 |
| 13      | 15  | 10        | 150200 | 782       | DFT-s-OFDM 256 QAM   | 25@12 | 19.68                | 14.03    | 0.0253 |
| 13      | 15  | 10        | 150200 | 782       | DFT-s-OFDM 256 QAM   | 1@1   | 19.58                | 13.93    | 0.0247 |
| 13      | 15  | 10        | 150200 | 782       | DFT-s-OFDM 256 QAM   | 1@50  | 19.37                | 13.72    | 0.0236 |
| 13      | 15  | 10        | 150200 | 782       | CP-OFDM QPSK         | 26@13 | 22.67                | 17.02    | 0.0504 |
| 13      | 15  | 10        | 150200 | 782       | CP-OFDM QPSK         | 1@1   | 22.63                | 16.98    | 0.0499 |
| 13      | 15  | 10        | 150200 | 782       | CP-OFDM QPSK         | 1@50  | 22.77                | 17.12    | 0.0515 |





## Frequency Stability

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB   | Deviation (Hz) | Verdict | Environment |
|---------|-----------|-----------------|--------|------------|-----------------|------|----------------|---------|-------------|
| 13      | 15        | 10              | 150200 | 782.0      | DFT-s-OFDM QPSK | 50@0 | 12.9           | PASS    | NV          |
| 13      | 15        | 10              | 150200 | 782.0      | DFT-s-OFDM QPSK | 50@0 | 11.9           | PASS    | LV          |
| 13      | 15        | 10              | 150200 | 782.0      | DFT-s-OFDM QPSK | 50@0 | 18.9           | PASS    | HV          |
| 13      | 15        | 10              | 150200 | 782.0      | DFT-s-OFDM QPSK | 50@0 | 18.7           | PASS    | -30°C       |
| 13      | 15        | 10              | 150200 | 782.0      | DFT-s-OFDM QPSK | 50@0 | 15.6           | PASS    | -20°C       |
| 13      | 15        | 10              | 150200 | 782.0      | DFT-s-OFDM QPSK | 50@0 | 15.1           | PASS    | -10°C       |
| 13      | 15        | 10              | 150200 | 782.0      | DFT-s-OFDM QPSK | 50@0 | 10.6           | PASS    | 0°C         |
| 13      | 15        | 10              | 150200 | 782.0      | DFT-s-OFDM QPSK | 50@0 | 12.9           | PASS    | 10°C        |
| 13      | 15        | 10              | 150200 | 782.0      | DFT-s-OFDM QPSK | 50@0 | 13.8           | PASS    | 20°C        |
| 13      | 15        | 10              | 150200 | 782.0      | DFT-s-OFDM QPSK | 50@0 | 18.3           | PASS    | 30°C        |
| 13      | 15        | 10              | 150200 | 782.0      | DFT-s-OFDM QPSK | 50@0 | 19             | PASS    | 40°C        |
| 13      | 15        | 10              | 150200 | 782.0      | DFT-s-OFDM QPSK | 50@0 | 14.5           | PASS    | 50°C        |

|MAX( $\Delta f$ )| = 19 Hz

| Frequency Stability            | Frequency (MHz) | Limit Line           | Result |
|--------------------------------|-----------------|----------------------|--------|
| $f_L -  \text{MAX}(\Delta f) $ | 777.3259813     | $\geq 777\text{MHz}$ | PASS   |
| $f_H +  \text{MAX}(\Delta f) $ | 786.2794187     | $\leq 787\text{MHz}$ |        |



## Peak to Average Ratio

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation           | RB   | Result (dB) | Limit (dB) | Verdict |
|---------|-----------|-----------------|--------|------------|----------------------|------|-------------|------------|---------|
| 13      | 15        | 10              | 150200 | 782.0      | DFT-s-OFDM PI/2 BPSK | 50@0 | 3.77        | 13         | PASS    |
| 13      | 15        | 10              | 150200 | 782.0      | DFT-s-OFDM QPSK      | 50@0 | 4.84        | 13         | PASS    |

N13(10M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



N13(10M)\_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) |
|---------|-----------|-----------------|--------|------------|-----------------|------|-----------|---------------|
| 13      | 15        | 5               | 150200 | 782.0      | CP-OFDM QPSK    | 25@0 | 4.47      | 5.09          |
| 13      | 15        | 5               | 150200 | 782.0      | CP-OFDM 16 QAM  | 25@0 | 4.4917    | 5.154         |
| 13      | 15        | 5               | 150200 | 782.0      | CP-OFDM 64 QAM  | 25@0 | 4.4619    | 5.035         |
| 13      | 15        | 5               | 150200 | 782.0      | CP-OFDM 256 QAM | 25@0 | 4.48      | 5.043         |
| 13      | 15        | 10              | 150200 | 782.0      | CP-OFDM QPSK    | 52@0 | 9.2694    | 9.963         |
| 13      | 15        | 10              | 150200 | 782.0      | CP-OFDM 16 QAM  | 52@0 | 9.2819    | 9.959         |
| 13      | 15        | 10              | 150200 | 782.0      | CP-OFDM 64 QAM  | 52@0 | 9.2707    | 9.893         |
| 13      | 15        | 10              | 150200 | 782.0      | CP-OFDM 256 QAM | 52@0 | 9.2764    | 9.982         |



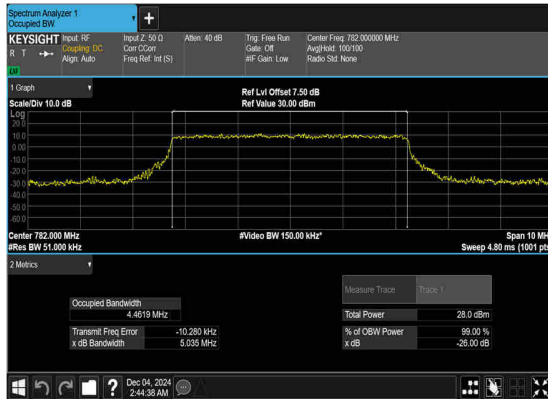
N13(5M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



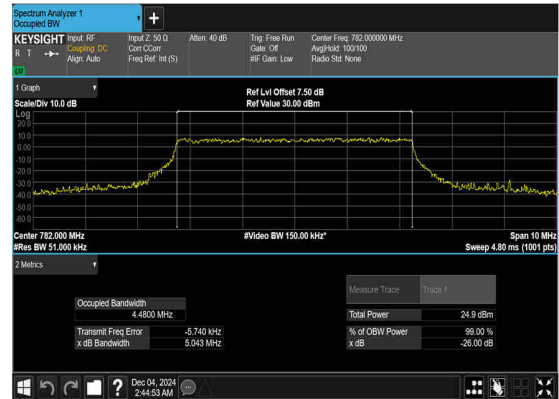
N13(5M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



N13(5M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH

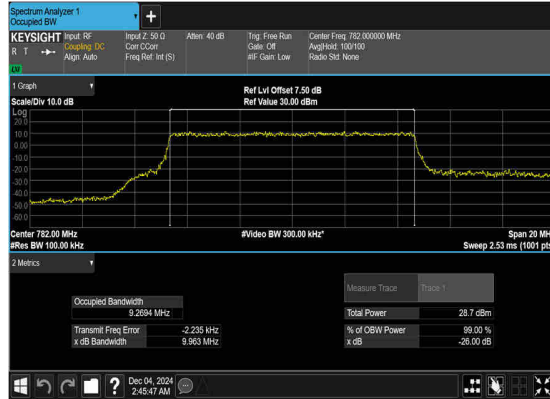


N13(5M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH

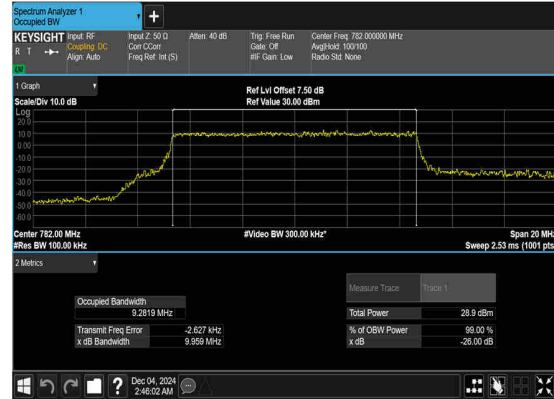




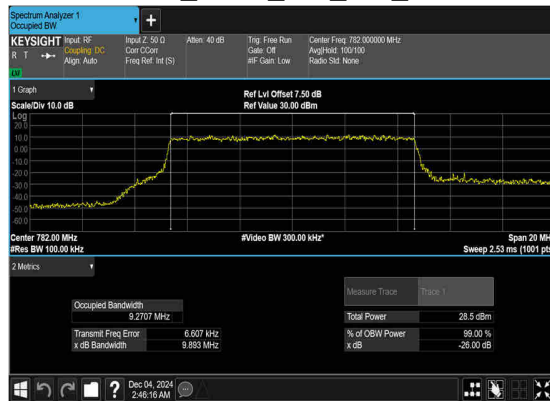
N13(10M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



N13(10M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



N13(10M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH



N13(10M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH



**Conducted Spurious Emissions**

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB  | Result    | Verdict     |
|---------|-----------|-----------------|--------|------------|-----------------|-----|-----------|-------------|
| 13      | 15        | 5               | 149700 | 779.5      | DFT-s-OFDM BPSK | 1@0 | see graph | ---         |
| 13      | 15        | 5               | 149700 | 779.5      | DFT-s-OFDM BPSK | 1@0 | see graph | <b>PASS</b> |
| 13      | 15        | 5               | 149700 | 779.5      | DFT-s-OFDM QPSK | 1@0 | see graph | ---         |
| 13      | 15        | 5               | 149700 | 779.5      | DFT-s-OFDM QPSK | 1@0 | see graph | <b>PASS</b> |
| 13      | 15        | 5               | 150200 | 782.0      | DFT-s-OFDM BPSK | 1@0 | see graph | ---         |
| 13      | 15        | 5               | 150200 | 782.0      | DFT-s-OFDM BPSK | 1@0 | see graph | <b>PASS</b> |
| 13      | 15        | 5               | 150200 | 782.0      | DFT-s-OFDM QPSK | 1@0 | see graph | ---         |
| 13      | 15        | 5               | 150200 | 782.0      | DFT-s-OFDM QPSK | 1@0 | see graph | <b>PASS</b> |
| 13      | 15        | 5               | 150700 | 784.5      | DFT-s-OFDM BPSK | 1@0 | see graph | ---         |
| 13      | 15        | 5               | 150700 | 784.5      | DFT-s-OFDM BPSK | 1@0 | see graph | <b>PASS</b> |
| 13      | 15        | 5               | 150700 | 784.5      | DFT-s-OFDM QPSK | 1@0 | see graph | ---         |
| 13      | 15        | 5               | 150700 | 784.5      | DFT-s-OFDM QPSK | 1@0 | see graph | <b>PASS</b> |
| 13      | 15        | 10              | 150200 | 782.0      | DFT-s-OFDM BPSK | 1@0 | see graph | ---         |
| 13      | 15        | 10              | 150200 | 782.0      | DFT-s-OFDM BPSK | 1@0 | see graph | <b>PASS</b> |
| 13      | 15        | 10              | 150200 | 782.0      | DFT-s-OFDM QPSK | 1@0 | see graph | ---         |
| 13      | 15        | 10              | 150200 | 782.0      | DFT-s-OFDM QPSK | 1@0 | see graph | <b>PASS</b> |



N13(5M)\_DFT-s-  
OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



2024-12-17 14:09:19

2024-12-11 14:09:46

2024-12-17 14:09:51