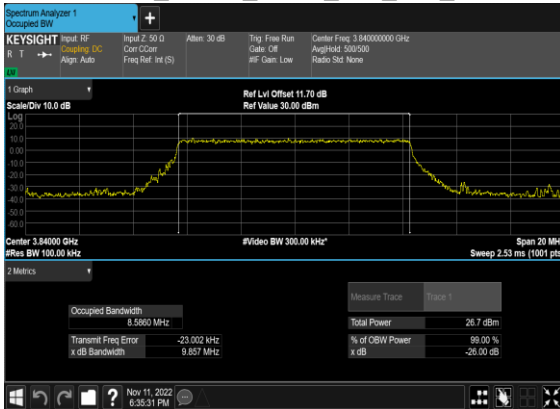


## Occupied Bandwidth

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB    | OBW (MHz) | 26dB OBW (MHz) |
|---------|-----------|-----------------|--------|------------|-----------------|-------|-----------|----------------|
| 77      | 30        | 10              | 656000 | 3840.0     | CP-OFDM QPSK    | 24@0  | 8.586     | 9.857          |
| 77      | 30        | 10              | 656000 | 3840.0     | CP-OFDM 16 QAM  | 24@0  | 8.5842    | 9.833          |
| 77      | 30        | 10              | 656000 | 3840.0     | CP-OFDM 64 QAM  | 24@0  | 8.5779    | 9.671          |
| 77      | 30        | 10              | 656000 | 3840.0     | CP-OFDM 256 QAM | 24@0  | 8.5717    | 9.696          |
| 77      | 30        | 15              | 656000 | 3840.0     | CP-OFDM QPSK    | 38@0  | 13.556    | 14.82          |
| 77      | 30        | 15              | 656000 | 3840.0     | CP-OFDM 16 QAM  | 38@0  | 13.569    | 14.89          |
| 77      | 30        | 15              | 656000 | 3840.0     | CP-OFDM 64 QAM  | 38@0  | 13.565    | 14.94          |
| 77      | 30        | 15              | 656000 | 3840.0     | CP-OFDM 256 QAM | 38@0  | 13.576    | 14.94          |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK    | 51@0  | 18.195    | 19.64          |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM 16 QAM  | 51@0  | 18.225    | 19.55          |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM 64 QAM  | 51@0  | 18.195    | 19.54          |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM 256 QAM | 51@0  | 18.189    | 19.29          |
| 77      | 30        | 30              | 656000 | 3840.0     | CP-OFDM QPSK    | 78@0  | 27.827    | 29.57          |
| 77      | 30        | 30              | 656000 | 3840.0     | CP-OFDM 16 QAM  | 78@0  | 27.929    | 29.44          |
| 77      | 30        | 30              | 656000 | 3840.0     | CP-OFDM 64 QAM  | 78@0  | 27.868    | 29.2           |
| 77      | 30        | 30              | 656000 | 3840.0     | CP-OFDM 256 QAM | 78@0  | 27.896    | 29.49          |
| 77      | 30        | 40              | 656000 | 3840.0     | CP-OFDM QPSK    | 106@0 | 37.853    | 39.46          |
| 77      | 30        | 40              | 656000 | 3840.0     | CP-OFDM 16 QAM  | 106@0 | 37.803    | 39.48          |
| 77      | 30        | 40              | 656000 | 3840.0     | CP-OFDM 64 QAM  | 106@0 | 37.825    | 39.73          |
| 77      | 30        | 40              | 656000 | 3840.0     | CP-OFDM 256 QAM | 106@0 | 37.87     | 39.77          |
| 77      | 30        | 50              | 656000 | 3840.0     | CP-OFDM QPSK    | 133@0 | 47.45     | 49.93          |
| 77      | 30        | 50              | 656000 | 3840.0     | CP-OFDM 16 QAM  | 133@0 | 47.51     | 49.24          |
| 77      | 30        | 50              | 656000 | 3840.0     | CP-OFDM 64 QAM  | 133@0 | 47.53     | 49.43          |
| 77      | 30        | 50              | 656000 | 3840.0     | CP-OFDM 256 QAM | 133@0 | 47.462    | 49.61          |
| 77      | 30        | 60              | 656000 | 3840.0     | CP-OFDM QPSK    | 162@0 | 57.881    | 60.49          |
| 77      | 30        | 60              | 656000 | 3840.0     | CP-OFDM 16 QAM  | 162@0 | 57.897    | 59.81          |
| 77      | 30        | 60              | 656000 | 3840.0     | CP-OFDM 64 QAM  | 162@0 | 57.889    | 60.23          |
| 77      | 30        | 60              | 656000 | 3840.0     | CP-OFDM 256 QAM | 162@0 | 57.783    | 60.16          |
| 77      | 30        | 70              | 656000 | 3840.0     | CP-OFDM QPSK    | 189@0 | 67.534    | 69.91          |
| 77      | 30        | 70              | 656000 | 3840.0     | CP-OFDM 16 QAM  | 189@0 | 67.585    | 69.76          |
| 77      | 30        | 70              | 656000 | 3840.0     | CP-OFDM 64 QAM  | 189@0 | 67.445    | 69.98          |
| 77      | 30        | 70              | 656000 | 3840.0     | CP-OFDM         | 189@0 | 67.521    | 69.67          |

| 256 QAM   |    |     |        |        |                    |       |        |       |  |
|-----------|----|-----|--------|--------|--------------------|-------|--------|-------|--|
| <b>77</b> | 30 | 80  | 656000 | 3840.0 | CP-OFDM<br>QPSK    | 217@0 | 77.59  | 80.42 |  |
| <b>77</b> | 30 | 80  | 656000 | 3840.0 | CP-OFDM<br>16 QAM  | 217@0 | 77.495 | 80.15 |  |
| <b>77</b> | 30 | 80  | 656000 | 3840.0 | CP-OFDM<br>64 QAM  | 217@0 | 77.472 | 80.28 |  |
| <b>77</b> | 30 | 80  | 656000 | 3840.0 | CP-OFDM<br>256 QAM | 217@0 | 77.584 | 80.01 |  |
| <b>77</b> | 30 | 90  | 656000 | 3840.0 | CP-OFDM<br>QPSK    | 245@0 | 87.516 | 90.49 |  |
| <b>77</b> | 30 | 90  | 656000 | 3840.0 | CP-OFDM<br>16 QAM  | 245@0 | 87.405 | 90.34 |  |
| <b>77</b> | 30 | 90  | 656000 | 3840.0 | CP-OFDM<br>64 QAM  | 245@0 | 87.694 | 90.37 |  |
| <b>77</b> | 30 | 90  | 656000 | 3840.0 | CP-OFDM<br>256 QAM | 245@0 | 87.458 | 90.45 |  |
| <b>77</b> | 30 | 100 | 656000 | 3840.0 | CP-OFDM<br>QPSK    | 273@0 | 97.485 | 100.8 |  |
| <b>77</b> | 30 | 100 | 656000 | 3840.0 | CP-OFDM<br>16 QAM  | 273@0 | 97.366 | 100.7 |  |
| <b>77</b> | 30 | 100 | 656000 | 3840.0 | CP-OFDM<br>64 QAM  | 273@0 | 97.587 | 100.5 |  |
| <b>77</b> | 30 | 100 | 656000 | 3840.0 | CP-OFDM<br>256 QAM | 273@0 | 97.564 | 100.7 |  |

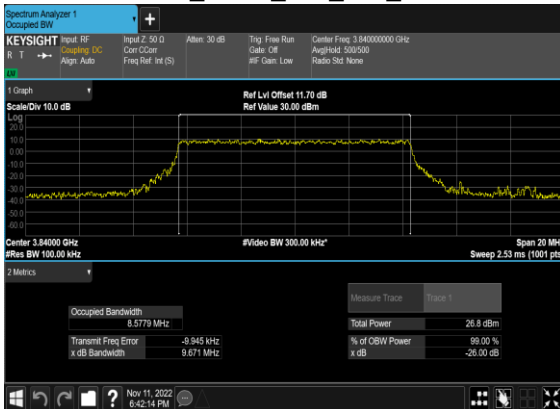
### N77(10M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



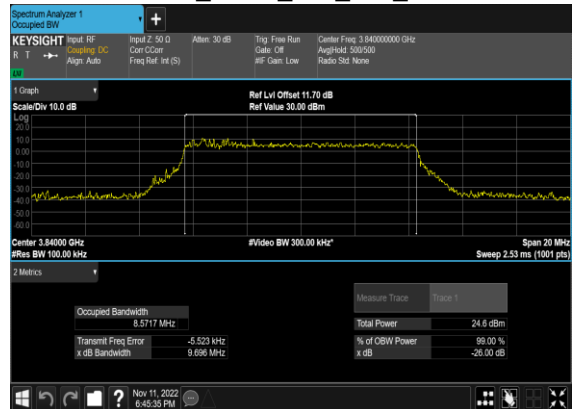
### N77(10M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



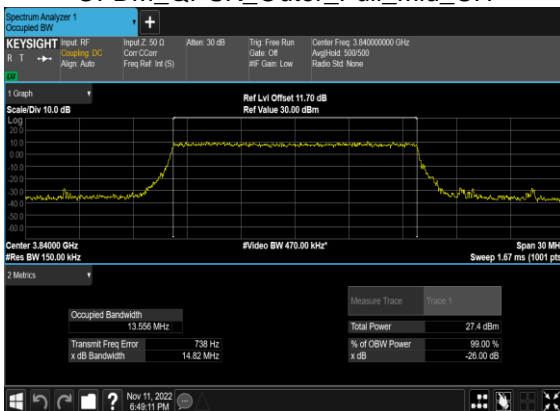
### N77(10M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



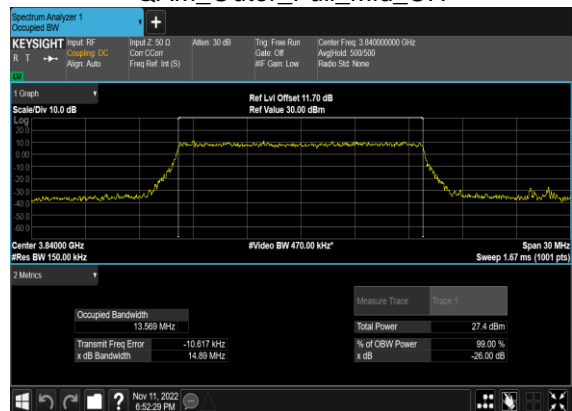
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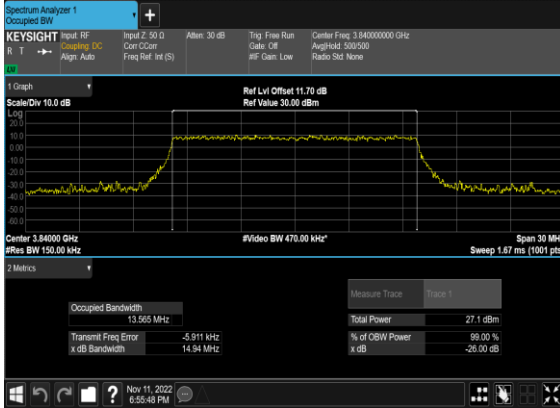
### N77(15M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



### N77(15M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



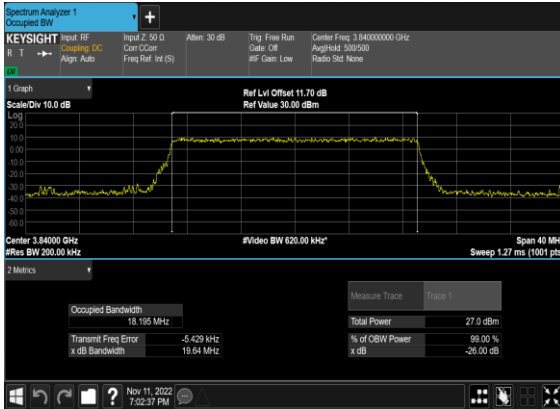
### N77(15M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



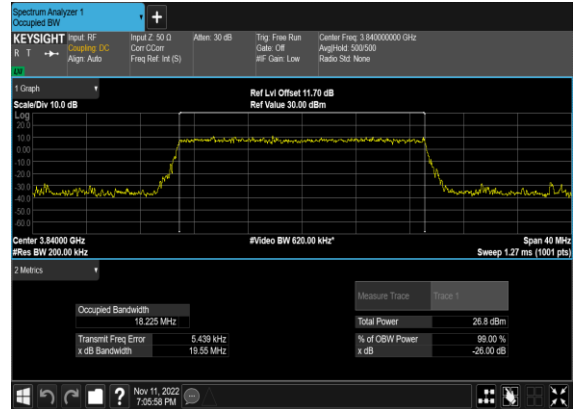
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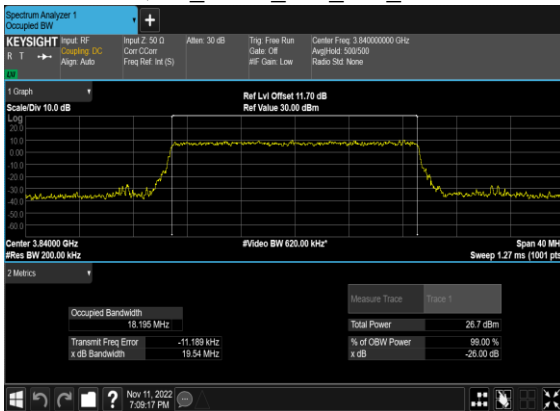
### N77(20M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



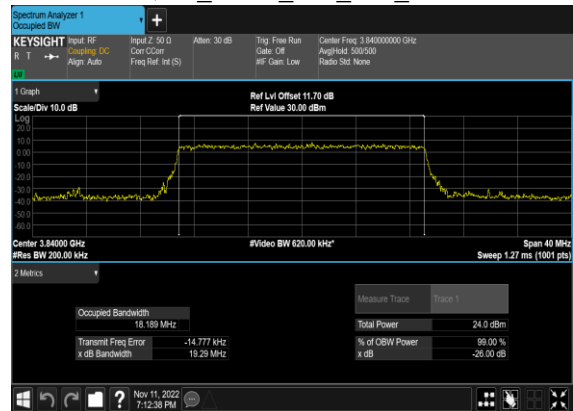
### N77(20M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



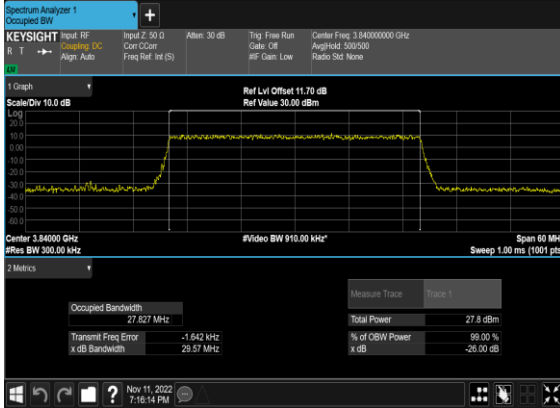
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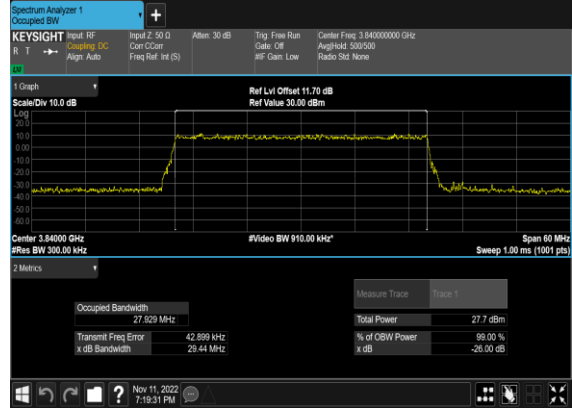
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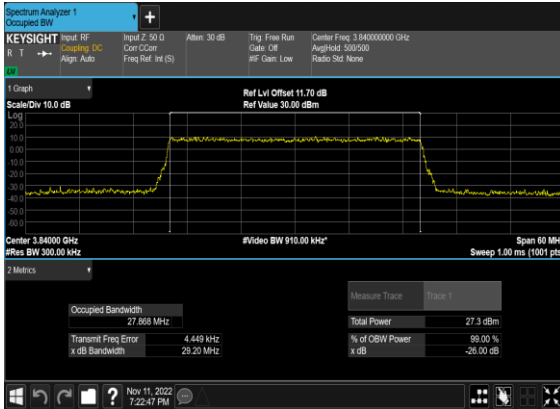
### N77(30M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



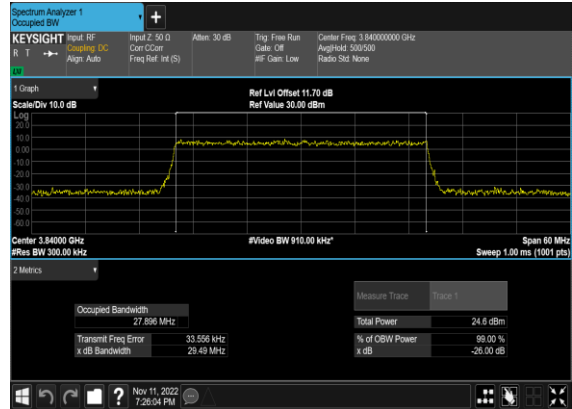
### N77(30M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



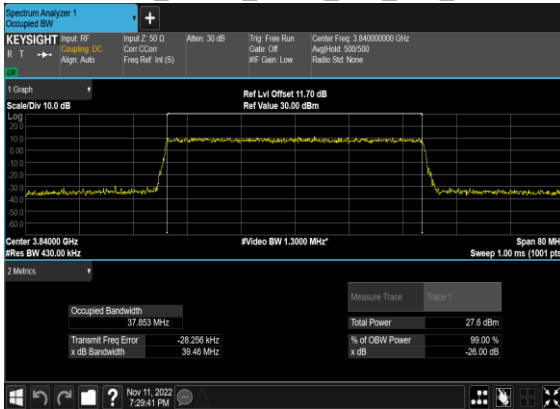
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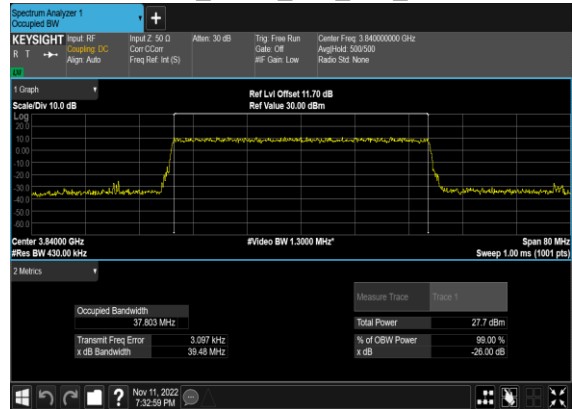
### N77(30M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH



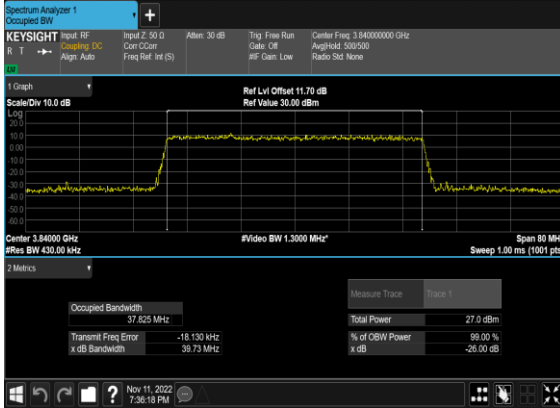
### N77(40M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



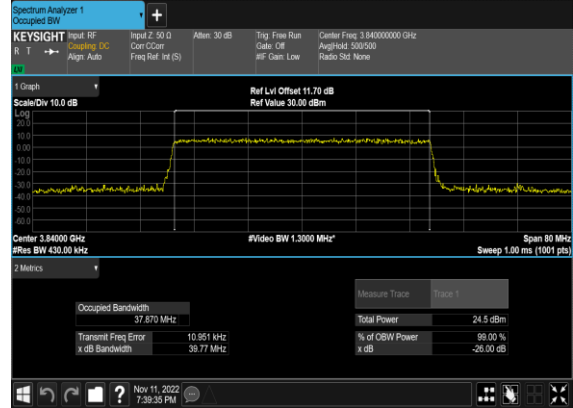
### N77(40M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



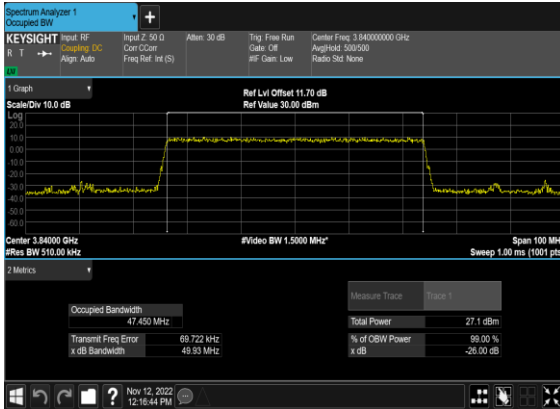
### N77(40M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



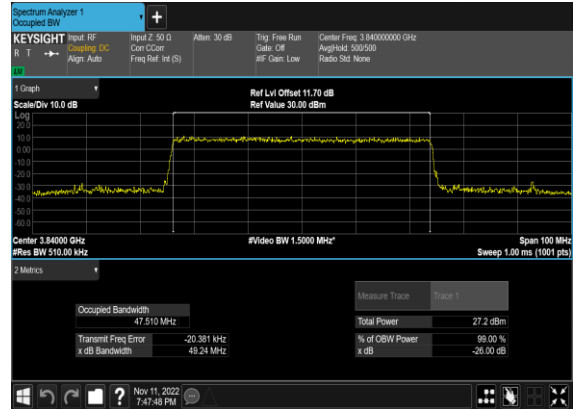
### N77(40M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



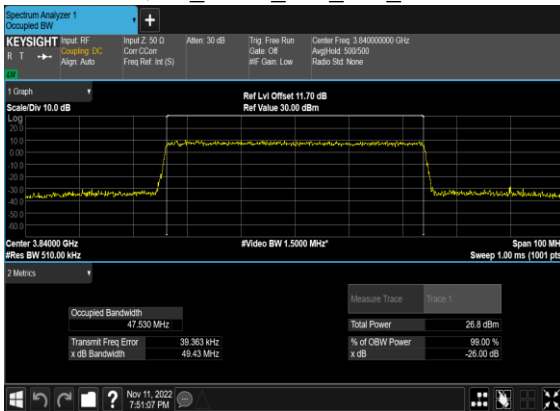
### N77(50M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



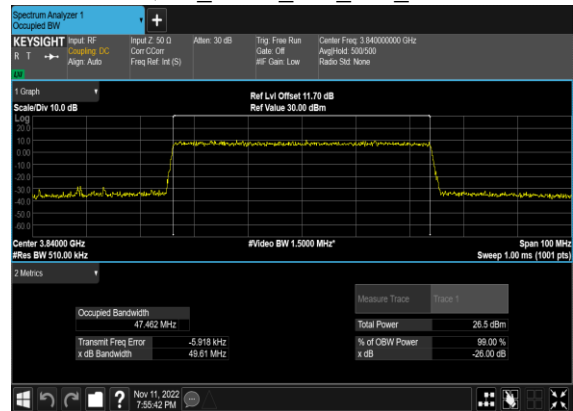
### N77(50M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



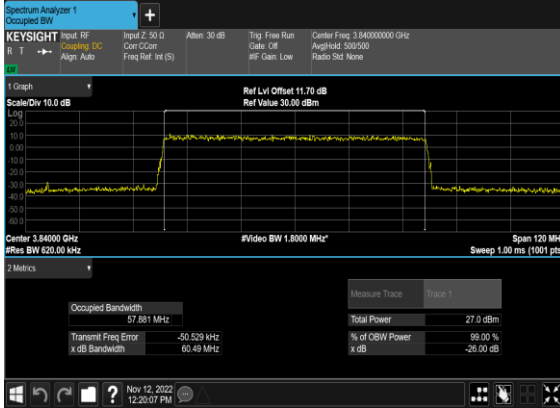
### N77(50M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



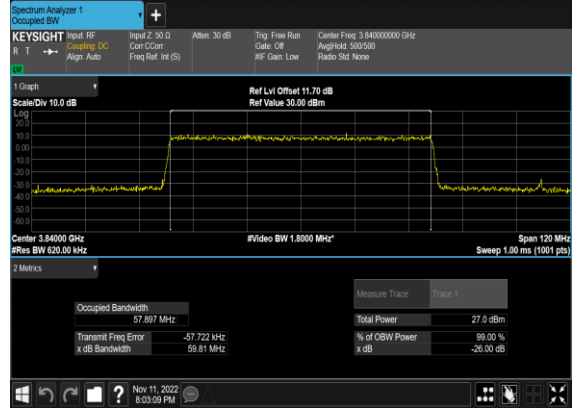
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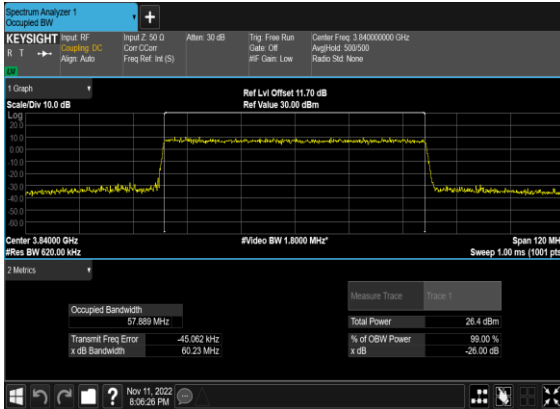
### N77(60M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



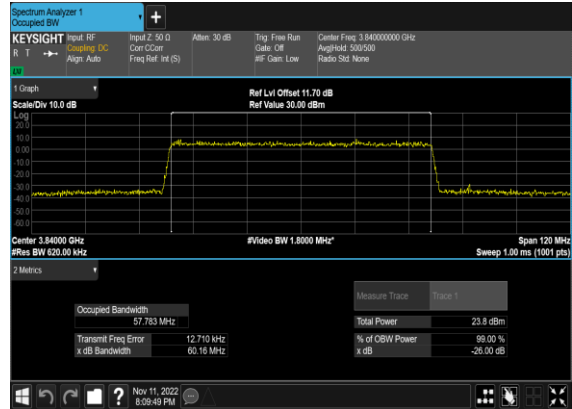
### N77(60M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



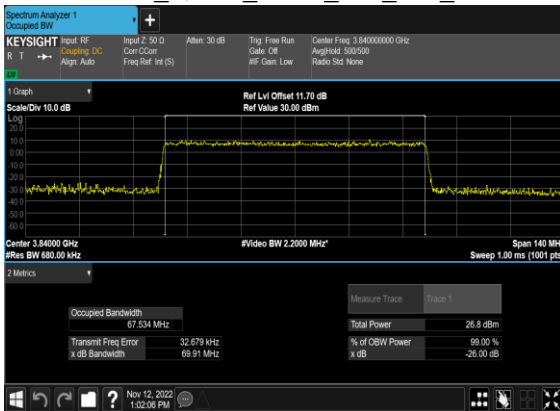
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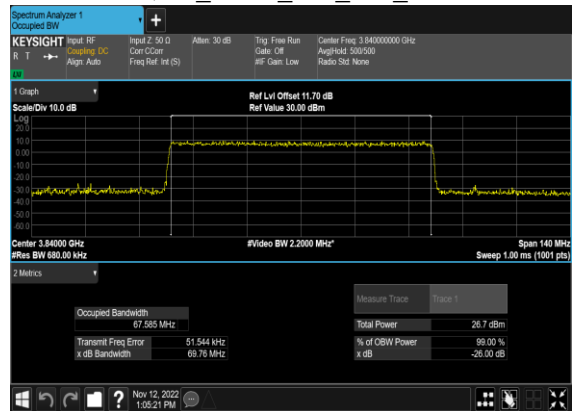
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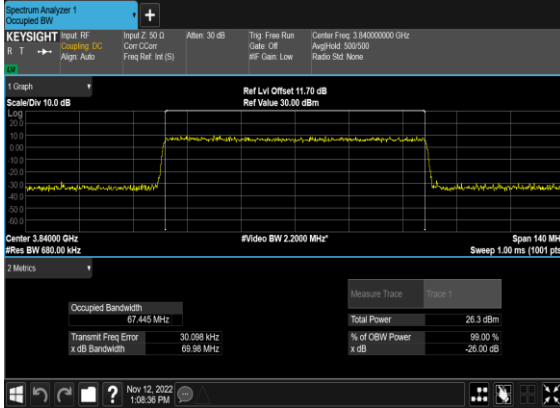
### N77(70M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



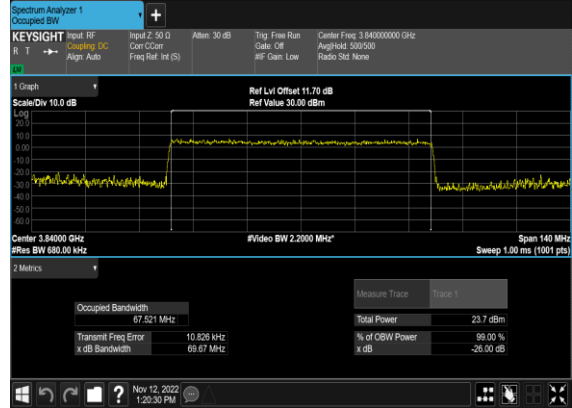
### N77(70M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



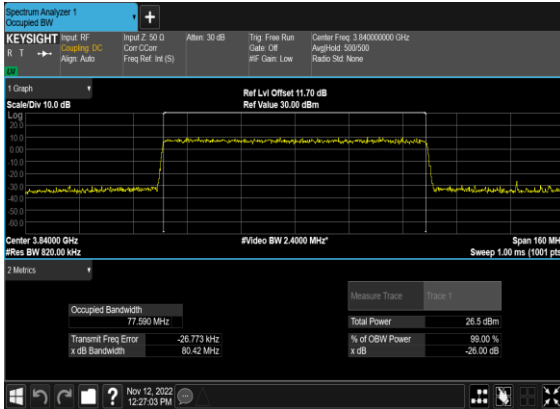
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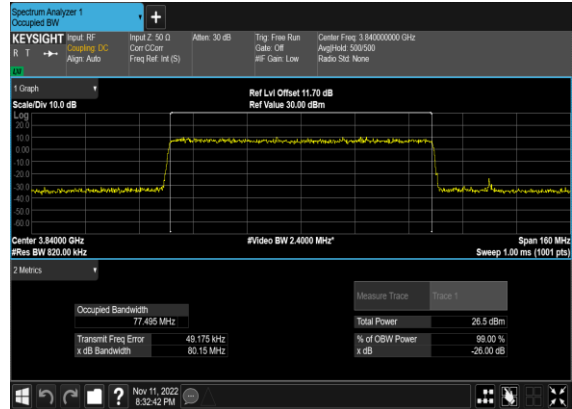
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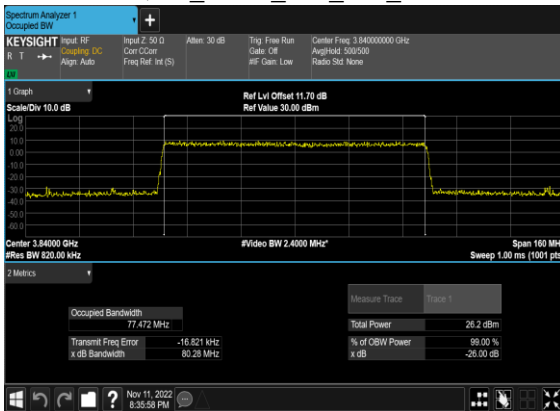
### N77(80M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



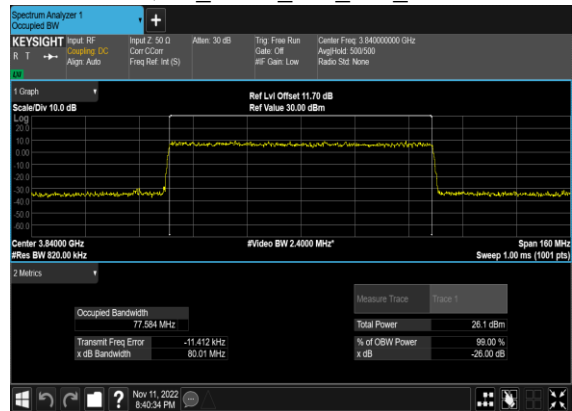
### N77(80M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



### N77(80M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH

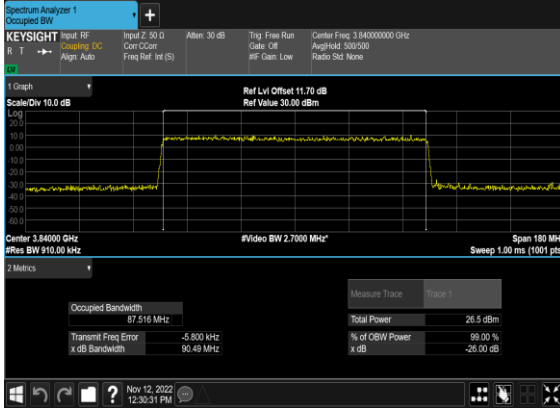


### N77(80M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH

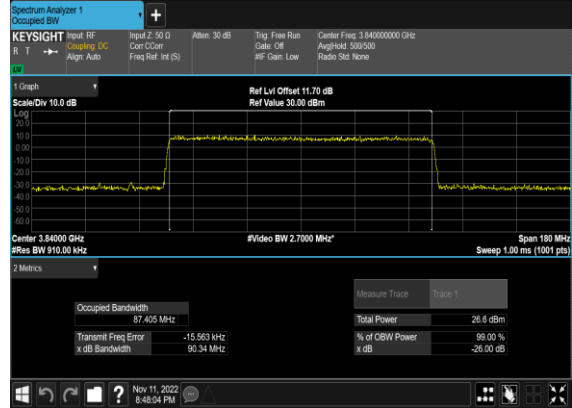




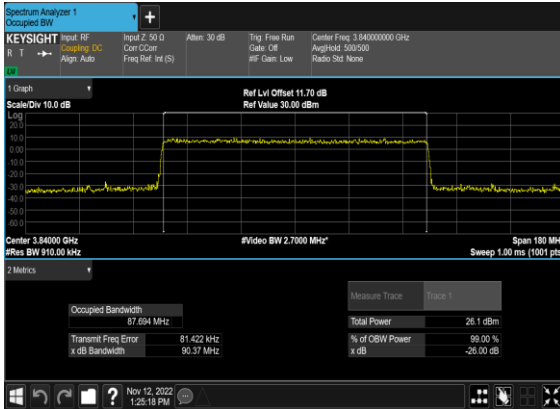
### N77(90M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



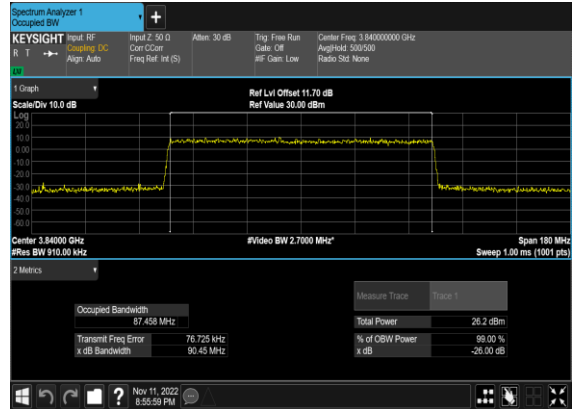
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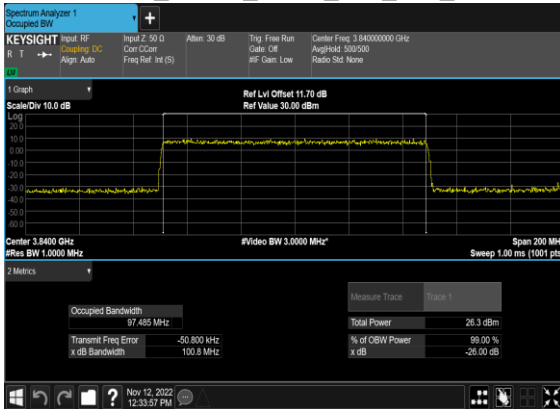
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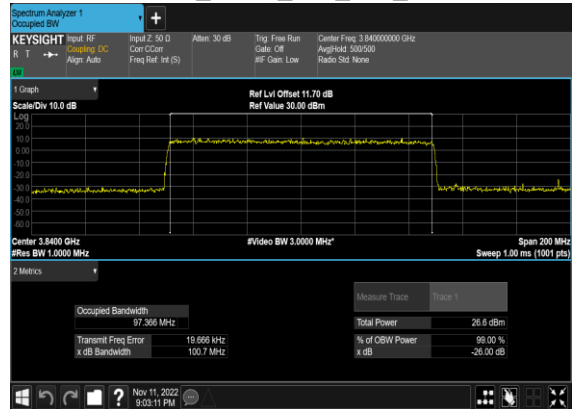
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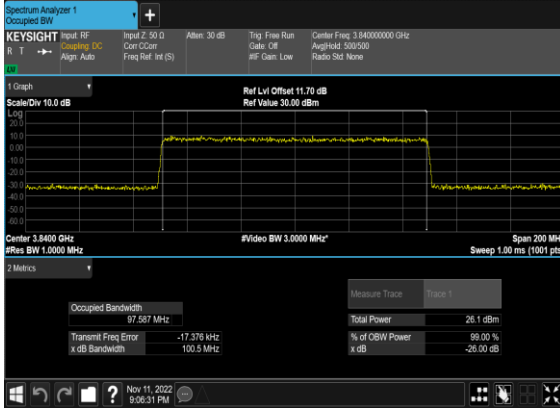
### N77(100M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



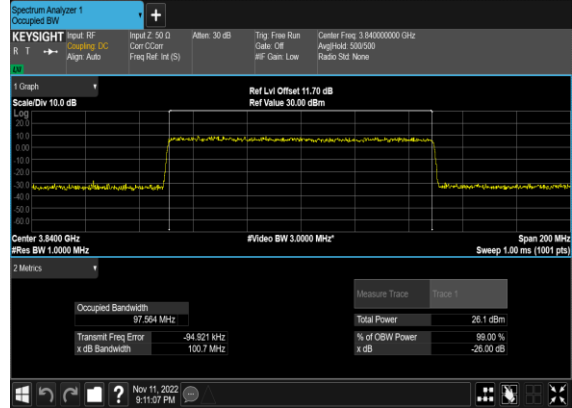
### N77(100M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



### N77(100M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



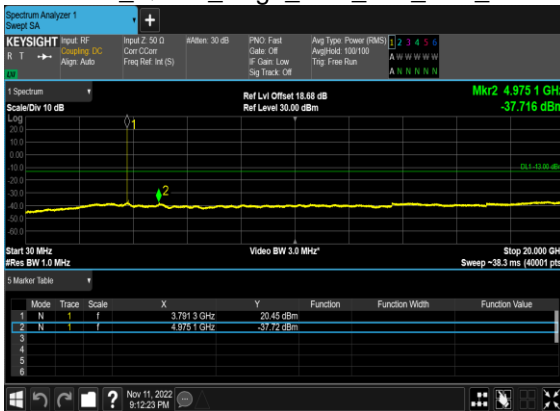
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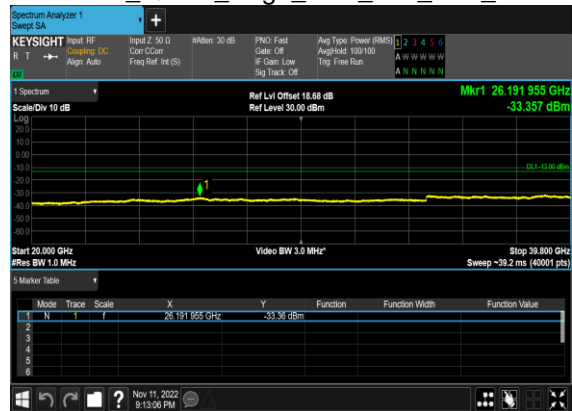
## Conducted Spurious Emissions

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation   | RB  | Result    | Verdict |
|---------|-----------|-----------------|--------|------------|--------------|-----|-----------|---------|
| 77      | 30        | 10              | 647000 | 3840.0     | CP-OFDM QPSK | 1@0 | see graph | ---     |
| 77      | 30        | 10              | 647000 | 3840.0     | CP-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 10              | 647000 | 3840.0     | CP-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 10              | 656000 | 3840.0     | CP-OFDM QPSK | 1@0 | see graph | ---     |
| 77      | 30        | 10              | 656000 | 3840.0     | CP-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 10              | 656000 | 3840.0     | CP-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 10              | 665000 | 3975.0     | CP-OFDM QPSK | 1@0 | see graph | ---     |
| 77      | 30        | 10              | 665000 | 3975.0     | CP-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 10              | 665000 | 3975.0     | CP-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 50              | 648334 | 3725.01    | CP-OFDM QPSK | 1@0 | see graph | ---     |
| 77      | 30        | 50              | 648334 | 3725.01    | CP-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 50              | 648334 | 3725.01    | CP-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 50              | 656000 | 3840.0     | CP-OFDM QPSK | 1@0 | see graph | ---     |
| 77      | 30        | 50              | 656000 | 3840.0     | CP-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 50              | 656000 | 3840.0     | CP-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 50              | 663666 | 3954.99    | CP-OFDM QPSK | 1@0 | see graph | ---     |
| 77      | 30        | 50              | 663666 | 3954.99    | CP-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 50              | 663666 | 3954.99    | CP-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 100             | 650000 | 3750.0     | CP-OFDM QPSK | 1@0 | see graph | ---     |
| 77      | 30        | 100             | 650000 | 3750.0     | CP-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 100             | 650000 | 3750.0     | CP-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 100             | 656000 | 3840.0     | CP-OFDM QPSK | 1@0 | see graph | ---     |
| 77      | 30        | 100             | 656000 | 3840.0     | CP-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 100             | 656000 | 3840.0     | CP-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 100             | 662000 | 3930.0     | CP-OFDM QPSK | 1@0 | see graph | ---     |
| 77      | 30        | 100             | 662000 | 3930.0     | CP-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 100             | 662000 | 3930.0     | CP-OFDM QPSK | 1@0 | see graph | PASS    |

### N77(10M)\_CP- OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



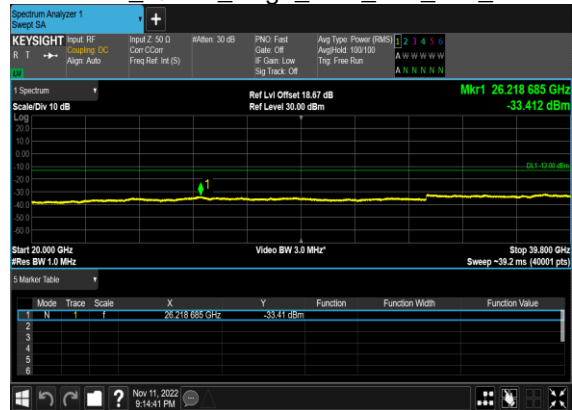
### N77(10M)\_CP- OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



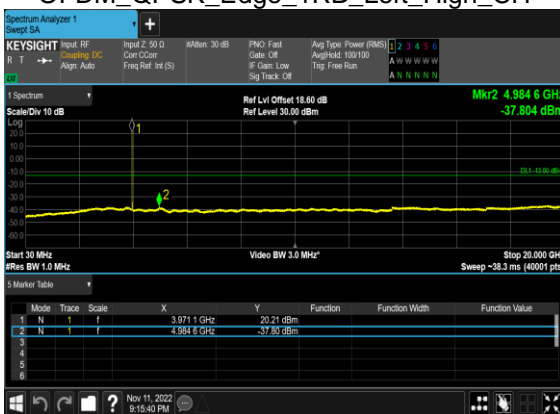
### N77(10M)\_CP- OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



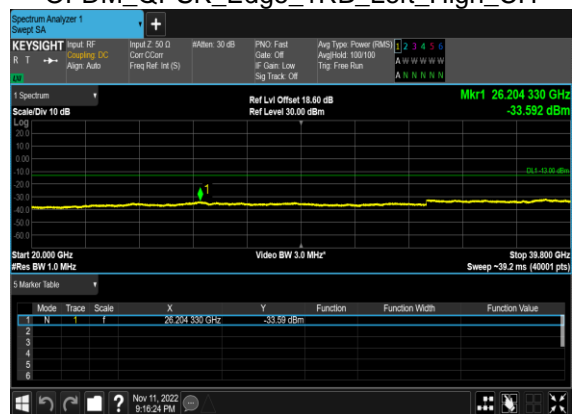
### N77(10M)\_CP- OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



### N77(10M)\_CP- OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



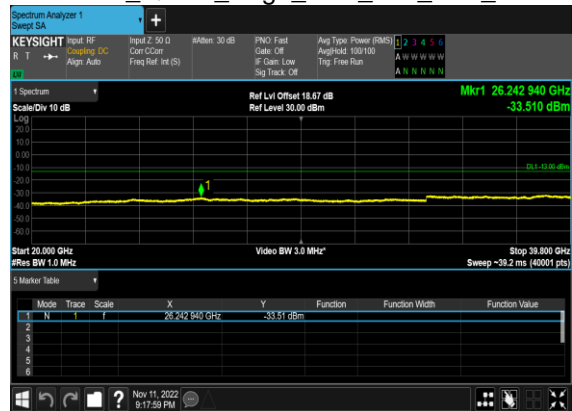
### N77(10M)\_CP- OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



### N77(50M)\_CP- OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



### N77(50M)\_CP- OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



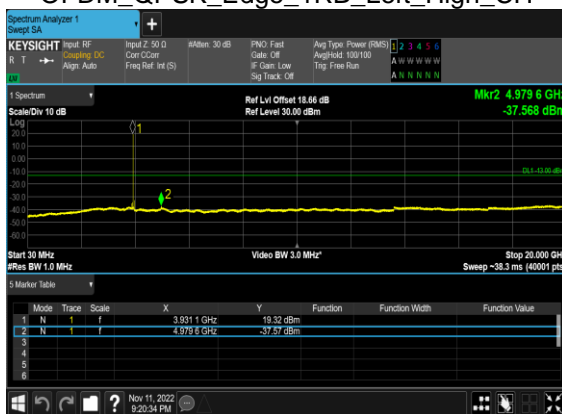
### N77(50M)\_CP- OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



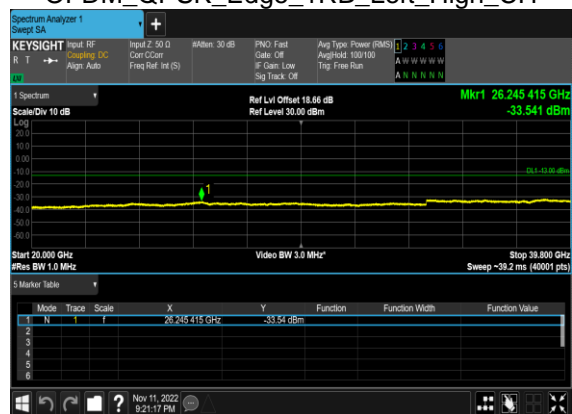
### N77(50M)\_CP- OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



### N77(50M)\_CP- OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



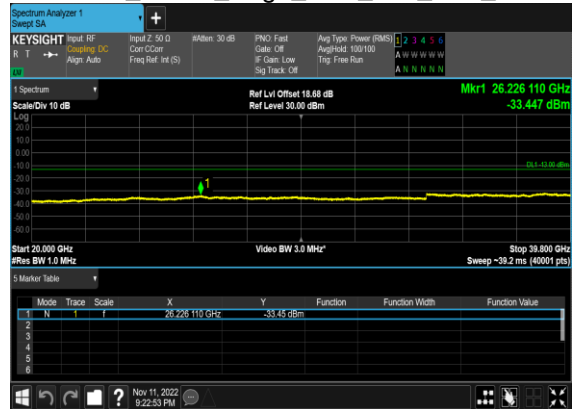
### N77(50M)\_CP- OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



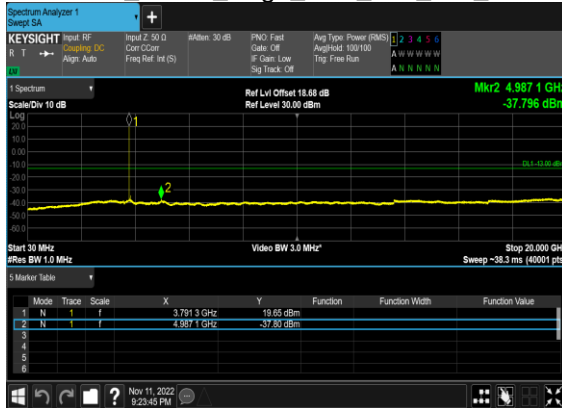
### N77(100M)\_CP- OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



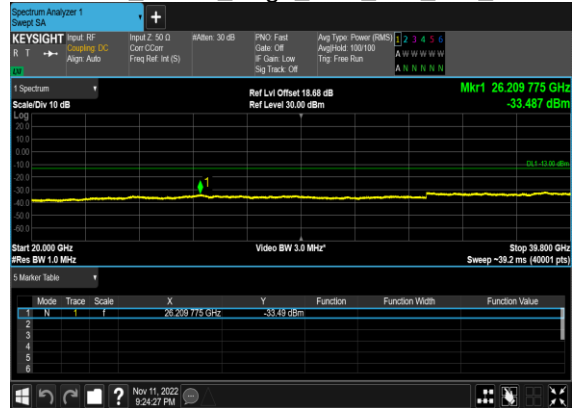
### N77(100M)\_CP- OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



### N77(100M)\_CP- OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



### N77(100M)\_CP- OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



### N77(100M)\_CP- OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



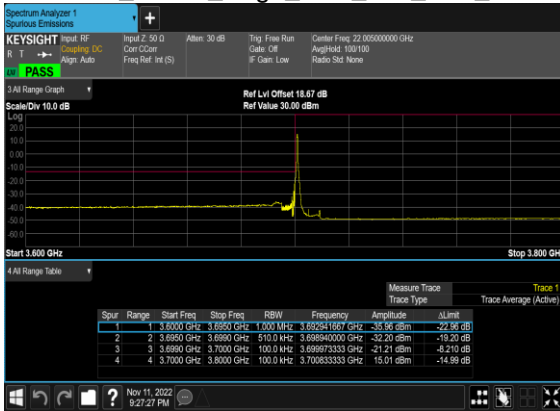
### N77(100M)\_CP- OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



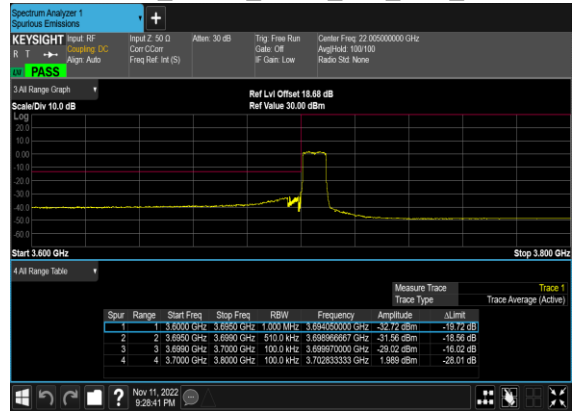
## Conducted Band Edge

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation   | RB    | Result    | Verdict |
|---------|-----------|-----------------|--------|------------|--------------|-------|-----------|---------|
| 77      | 30        | 10              | 647000 | 3705.0     | CP-OFDM QPSK | 1@0   | see graph | PASS    |
| 77      | 30        | 10              | 647000 | 3705.0     | CP-OFDM QPSK | 24@0  | see graph | PASS    |
| 77      | 30        | 10              | 665000 | 3975.0     | CP-OFDM QPSK | 1@23  | see graph | PASS    |
| 77      | 30        | 10              | 665000 | 3975.0     | CP-OFDM QPSK | 24@0  | see graph | PASS    |
| 77      | 30        | 50              | 648334 | 3725.01    | CP-OFDM QPSK | 1@0   | see graph | PASS    |
| 77      | 30        | 50              | 648334 | 3725.01    | CP-OFDM QPSK | 133@0 | see graph | PASS    |
| 77      | 30        | 50              | 663666 | 3954.99    | CP-OFDM QPSK | 1@132 | see graph | PASS    |
| 77      | 30        | 50              | 663666 | 3954.99    | CP-OFDM QPSK | 133@0 | see graph | PASS    |
| 77      | 30        | 100             | 650000 | 3750.0     | CP-OFDM QPSK | 1@0   | see graph | PASS    |
| 77      | 30        | 100             | 650000 | 3750.0     | CP-OFDM QPSK | 273@0 | see graph | PASS    |
| 77      | 30        | 100             | 662000 | 3930.0     | CP-OFDM QPSK | 1@272 | see graph | PASS    |
| 77      | 30        | 100             | 662000 | 3930.0     | CP-OFDM QPSK | 273@0 | see graph | PASS    |

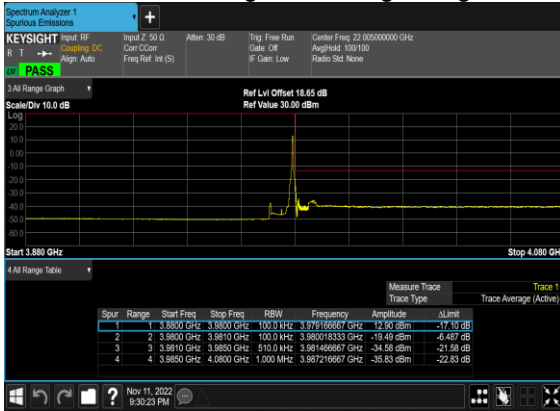
### N77(10M)\_CP-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



### N77(10M)\_CP-OFDM\_QPSK\_Outer\_Full\_Low\_CH



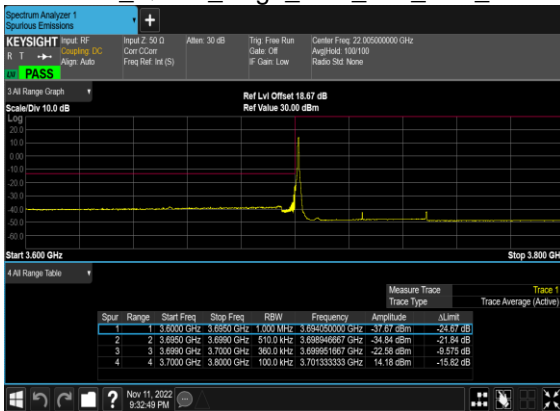
### N77(10M)\_CP-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



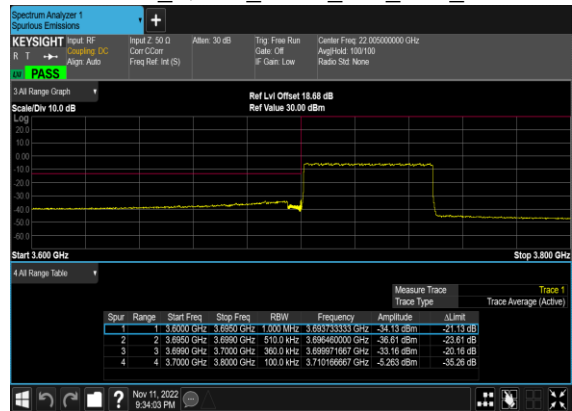
### N77(10M)\_CP-OFDM\_QPSK\_Outer\_Full\_High\_CH



### N77(50M)\_CP-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH

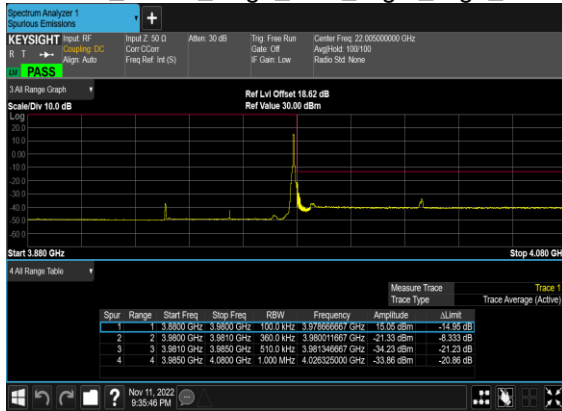


### N77(50M)\_CP-OFDM\_QPSK\_Outer\_Full\_Low\_CH

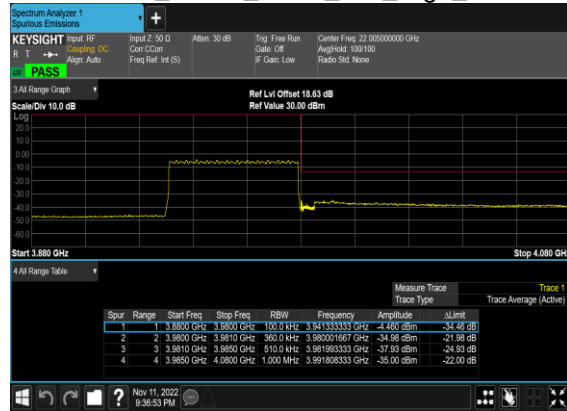




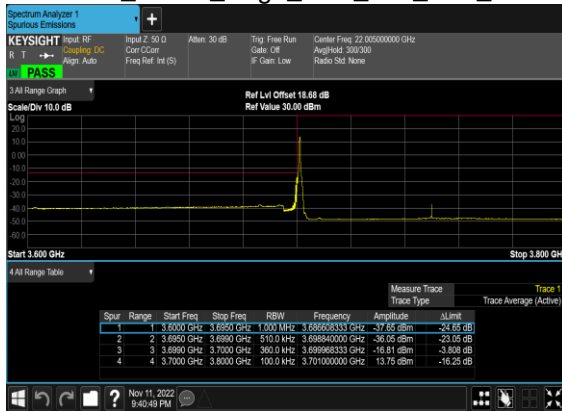
### N77(50M)\_CP-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



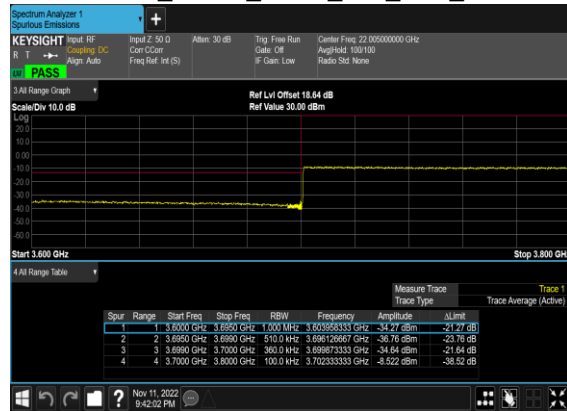
### N77(50M)\_CP-OFDM\_QPSK\_Outer\_Full\_High\_CH



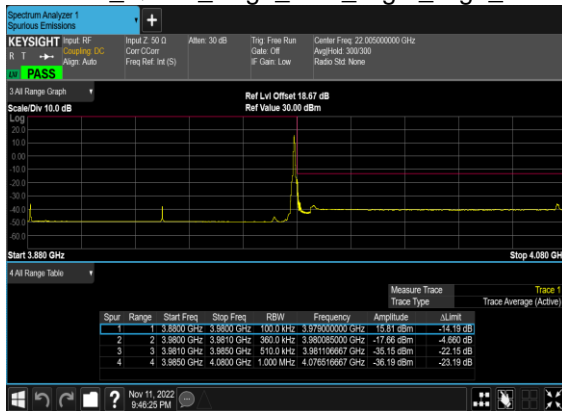
### N77(100M)\_CP-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



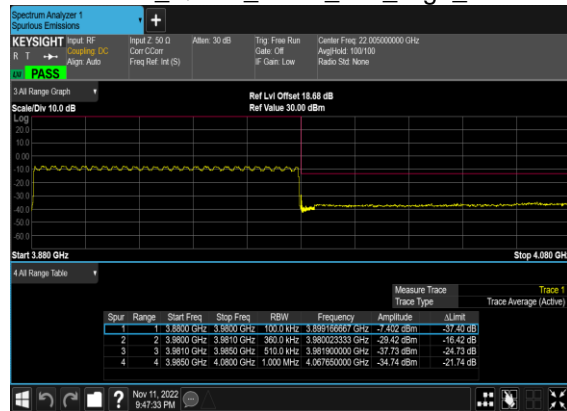
### N77(100M)\_CP-OFDM\_QPSK\_Outer\_Full\_Low\_CH



### N77(100M)\_CP-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



### N77(100M)\_CP-OFDM\_QPSK\_Outer\_Full\_High\_CH



# FR1 N77 MIMO-ANT10

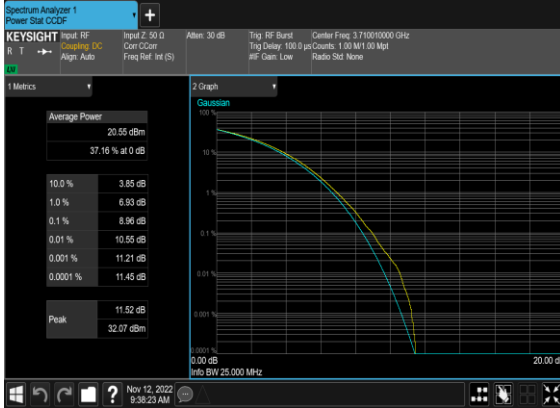
## Frequency Stability

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation   | RB   | Deviation (ppm) | Verdict | Environment |
|---------|-----------|-----------------|--------|------------|--------------|------|-----------------|---------|-------------|
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 0.0032          | PASS    | NV          |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 0.0068          | PASS    | LV          |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 0.0058          | PASS    | HV          |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 0.0067          | PASS    | -30°C       |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 0.0053          | PASS    | -20°C       |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 0.0065          | PASS    | -10°C       |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 0.0046          | PASS    | 0°C         |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 0.0038          | PASS    | 10°C        |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 0.0032          | PASS    | 20°C        |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 0.0038          | PASS    | 30°C        |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 0.0029          | PASS    | 40°C        |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 0.0043          | PASS    | 50°C        |

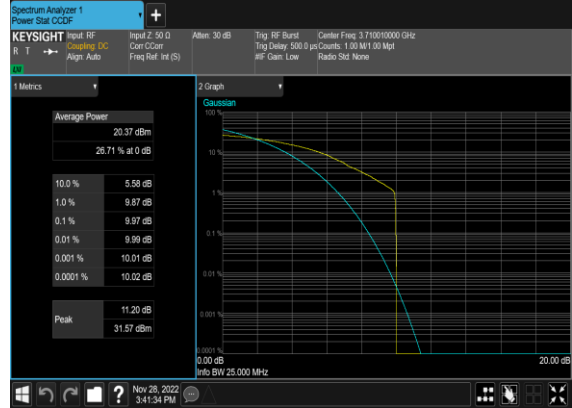
## Peak to Average Ratio

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation   | RB   | Result (dB) | Limit (dB) | Verdict |
|---------|-----------|-----------------|--------|------------|--------------|------|-------------|------------|---------|
| 77      | 30        | 20              | 647334 | 3710.01    | CP-OFDM QPSK | 51@0 | 8.96        | 13         | PASS    |
| 77      | 30        | 20              | 647334 | 3710.01    | CP-OFDM QPSK | 1@0  | 9.97        | 13         | PASS    |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 8.88        | 13         | PASS    |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 1@0  | 8.18        | 13         | PASS    |
| 77      | 30        | 20              | 664666 | 3969.99    | CP-OFDM QPSK | 51@0 | 8.88        | 13         | PASS    |
| 77      | 30        | 20              | 664666 | 3969.99    | CP-OFDM QPSK | 1@0  | 9.38        | 13         | PASS    |

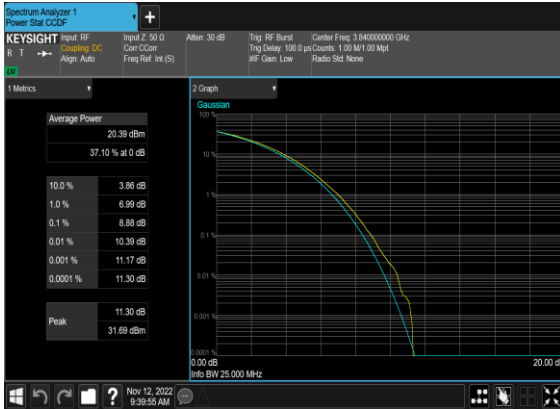
N77(20M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH



N77(20M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N77(20M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



N77(20M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



N77(20M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_High\_CH



N77(20M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH

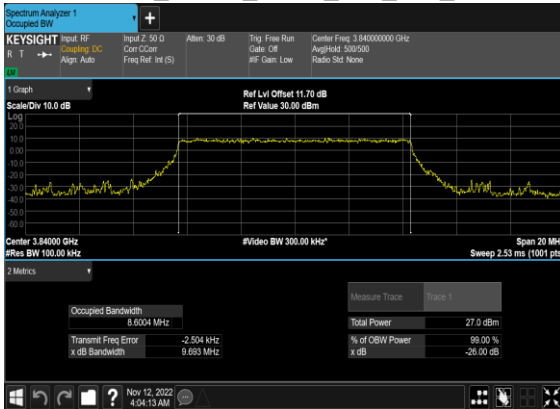


## Occupied Bandwidth

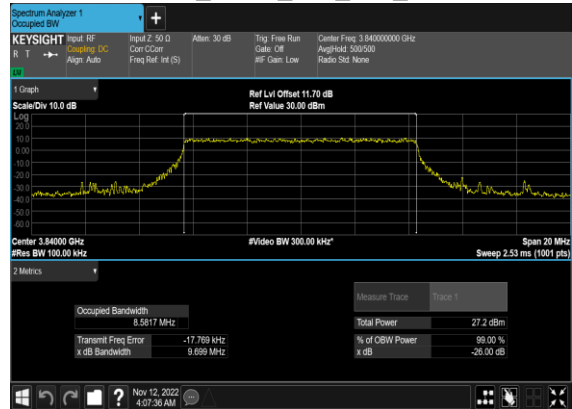
| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB    | OBW (MHz) | 26dB OBW (MHz) |
|---------|-----------|-----------------|--------|------------|-----------------|-------|-----------|----------------|
| 77      | 30        | 10              | 656000 | 3840.0     | CP-OFDM QPSK    | 24@0  | 8.6004    | 9.693          |
| 77      | 30        | 10              | 656000 | 3840.0     | CP-OFDM 16 QAM  | 24@0  | 8.5817    | 9.699          |
| 77      | 30        | 10              | 656000 | 3840.0     | CP-OFDM 64 QAM  | 24@0  | 8.5647    | 9.91           |
| 77      | 30        | 10              | 656000 | 3840.0     | CP-OFDM 256 QAM | 24@0  | 8.5777    | 9.587          |
| 77      | 30        | 15              | 656000 | 3840.0     | CP-OFDM QPSK    | 38@0  | 13.587    | 14.87          |
| 77      | 30        | 15              | 656000 | 3840.0     | CP-OFDM 16 QAM  | 38@0  | 13.554    | 14.84          |
| 77      | 30        | 15              | 656000 | 3840.0     | CP-OFDM 64 QAM  | 38@0  | 13.566    | 14.8           |
| 77      | 30        | 15              | 656000 | 3840.0     | CP-OFDM 256 QAM | 38@0  | 13.571    | 14.78          |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK    | 51@0  | 18.213    | 19.55          |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM 16 QAM  | 51@0  | 18.167    | 19.52          |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM 64 QAM  | 51@0  | 18.201    | 19.78          |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM 256 QAM | 51@0  | 18.236    | 19.6           |
| 77      | 30        | 30              | 656000 | 3840.0     | CP-OFDM QPSK    | 78@0  | 27.848    | 29.15          |
| 77      | 30        | 30              | 656000 | 3840.0     | CP-OFDM 16 QAM  | 78@0  | 27.806    | 29.04          |
| 77      | 30        | 30              | 656000 | 3840.0     | CP-OFDM 64 QAM  | 78@0  | 27.863    | 29.37          |
| 77      | 30        | 30              | 656000 | 3840.0     | CP-OFDM 256 QAM | 78@0  | 27.815    | 29.34          |
| 77      | 30        | 40              | 656000 | 3840.0     | CP-OFDM QPSK    | 106@0 | 37.856    | 39.69          |
| 77      | 30        | 40              | 656000 | 3840.0     | CP-OFDM 16 QAM  | 106@0 | 37.899    | 39.97          |
| 77      | 30        | 40              | 656000 | 3840.0     | CP-OFDM 64 QAM  | 106@0 | 37.815    | 39.53          |
| 77      | 30        | 40              | 656000 | 3840.0     | CP-OFDM 256 QAM | 106@0 | 37.776    | 39.8           |
| 77      | 30        | 50              | 656000 | 3840.0     | CP-OFDM QPSK    | 133@0 | 47.476    | 49.38          |
| 77      | 30        | 50              | 656000 | 3840.0     | CP-OFDM 16 QAM  | 133@0 | 47.519    | 49.37          |
| 77      | 30        | 50              | 656000 | 3840.0     | CP-OFDM 64 QAM  | 133@0 | 47.515    | 49.45          |
| 77      | 30        | 50              | 656000 | 3840.0     | CP-OFDM 256 QAM | 133@0 | 47.51     | 49.28          |
| 77      | 30        | 60              | 656000 | 3840.0     | CP-OFDM QPSK    | 162@0 | 57.796    | 60.24          |
| 77      | 30        | 60              | 656000 | 3840.0     | CP-OFDM 16 QAM  | 162@0 | 57.926    | 60.07          |
| 77      | 30        | 60              | 656000 | 3840.0     | CP-OFDM 64 QAM  | 162@0 | 57.828    | 60.03          |
| 77      | 30        | 60              | 656000 | 3840.0     | CP-OFDM 256 QAM | 162@0 | 57.846    | 59.85          |
| 77      | 30        | 70              | 656000 | 3840.0     | CP-OFDM QPSK    | 189@0 | 67.455    | 70.14          |
| 77      | 30        | 70              | 656000 | 3840.0     | CP-OFDM 16 QAM  | 189@0 | 67.495    | 69.83          |
| 77      | 30        | 70              | 656000 | 3840.0     | CP-OFDM 64 QAM  | 189@0 | 67.559    | 69.71          |
| 77      | 30        | 70              | 656000 | 3840.0     | CP-OFDM         | 189@0 | 67.422    | 69.73          |

| 256 QAM   |    |     |        |        |                    |       |        |       |  |
|-----------|----|-----|--------|--------|--------------------|-------|--------|-------|--|
| <b>77</b> | 30 | 80  | 656000 | 3840.0 | CP-OFDM<br>QPSK    | 217@0 | 77.488 | 79.96 |  |
| <b>77</b> | 30 | 80  | 656000 | 3840.0 | CP-OFDM<br>16 QAM  | 217@0 | 77.515 | 79.96 |  |
| <b>77</b> | 30 | 80  | 656000 | 3840.0 | CP-OFDM<br>64 QAM  | 217@0 | 77.369 | 80.08 |  |
| <b>77</b> | 30 | 80  | 656000 | 3840.0 | CP-OFDM<br>256 QAM | 217@0 | 77.413 | 79.96 |  |
| <b>77</b> | 30 | 90  | 656000 | 3840.0 | CP-OFDM<br>QPSK    | 245@0 | 87.493 | 90.45 |  |
| <b>77</b> | 30 | 90  | 656000 | 3840.0 | CP-OFDM<br>16 QAM  | 245@0 | 87.337 | 90.44 |  |
| <b>77</b> | 30 | 90  | 656000 | 3840.0 | CP-OFDM<br>64 QAM  | 245@0 | 87.377 | 90.33 |  |
| <b>77</b> | 30 | 90  | 656000 | 3840.0 | CP-OFDM<br>256 QAM | 245@0 | 87.36  | 90.49 |  |
| <b>77</b> | 30 | 100 | 656000 | 3840.0 | CP-OFDM<br>QPSK    | 273@0 | 97.357 | 100.7 |  |
| <b>77</b> | 30 | 100 | 656000 | 3840.0 | CP-OFDM<br>16 QAM  | 273@0 | 97.265 | 100.6 |  |
| <b>77</b> | 30 | 100 | 656000 | 3840.0 | CP-OFDM<br>64 QAM  | 273@0 | 97.407 | 100.6 |  |
| <b>77</b> | 30 | 100 | 656000 | 3840.0 | CP-OFDM<br>256 QAM | 273@0 | 97.49  | 100.6 |  |

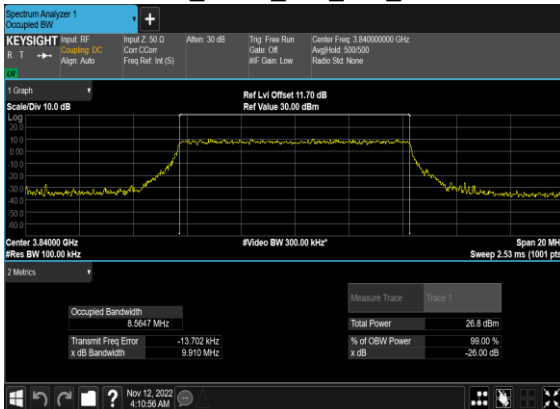
### N77(10M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



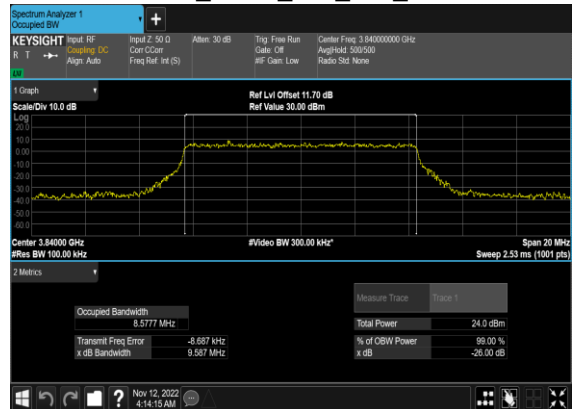
### N77(10M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



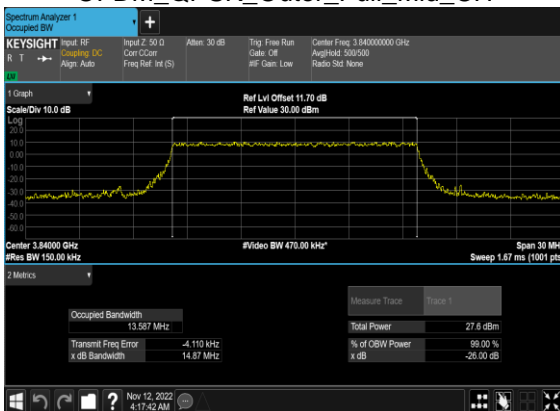
### N77(10M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



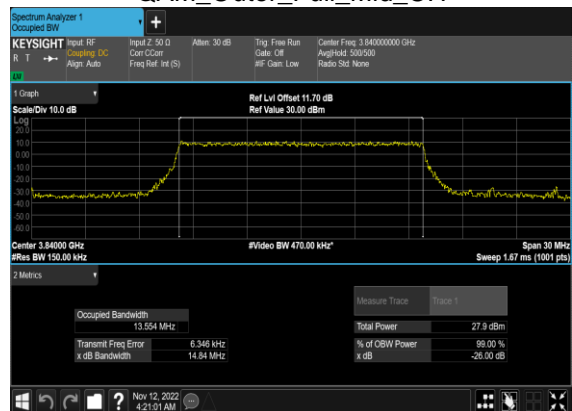
### N77(10M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



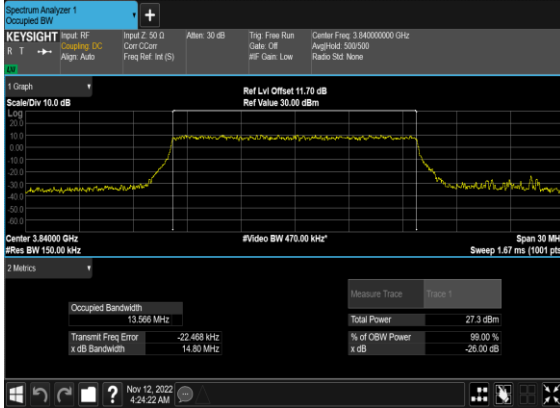
### N77(15M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



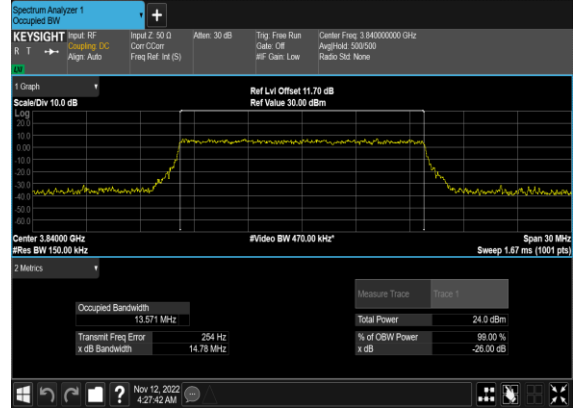
### N77(15M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



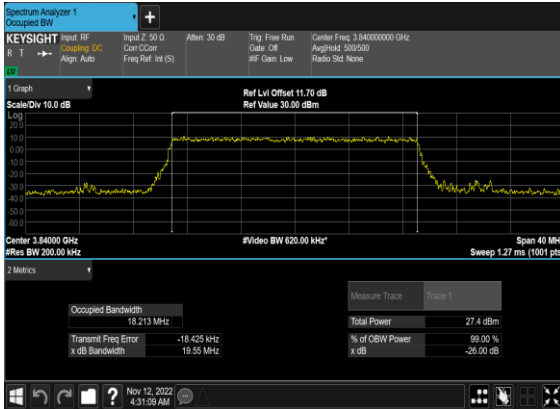
### N77(15M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



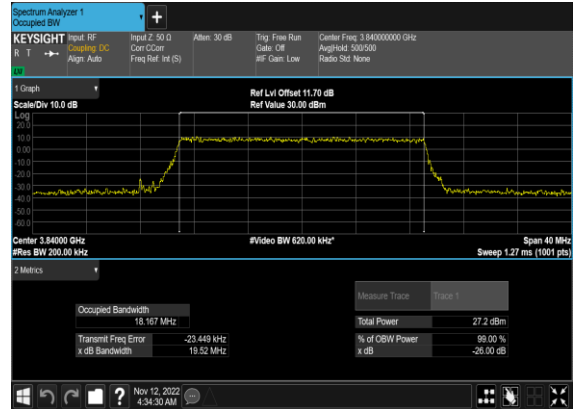
### N77(15M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



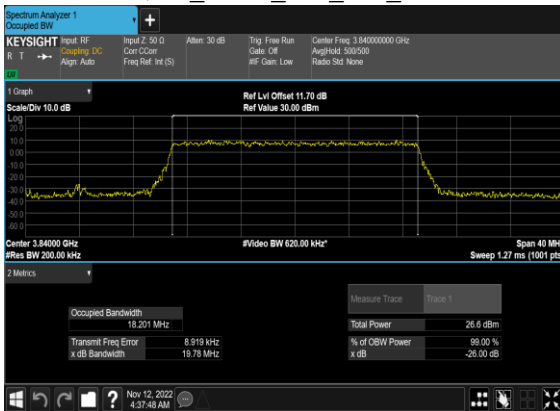
### N77(20M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



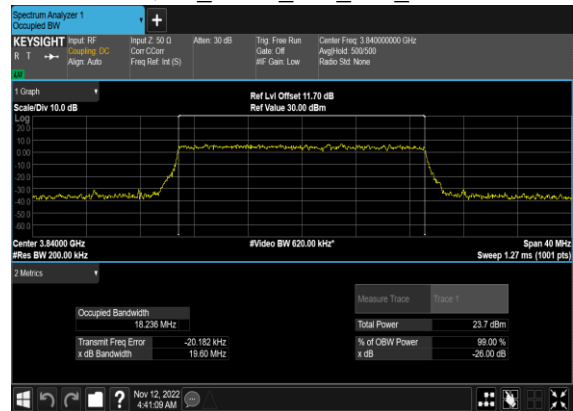
### N77(20M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



### N77(20M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH

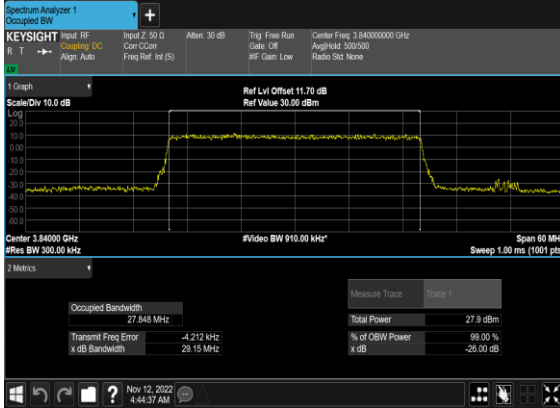


### N77(20M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH

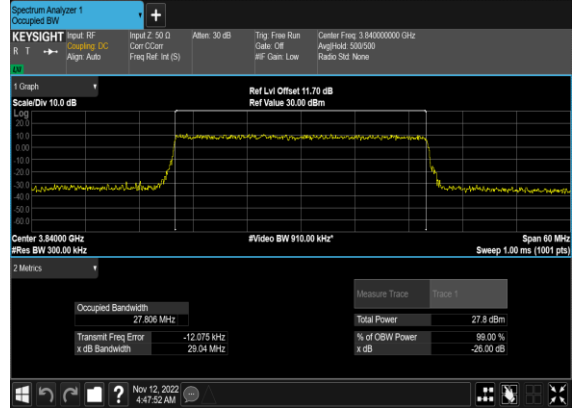




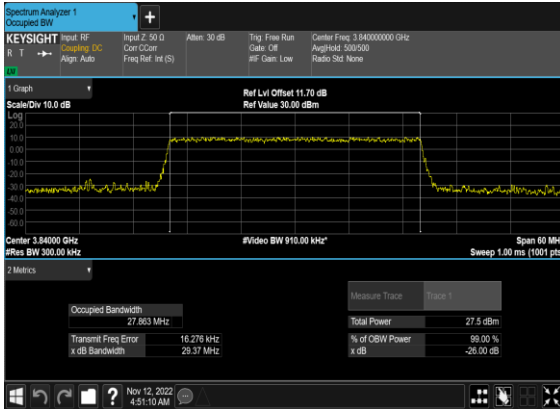
### N77(30M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



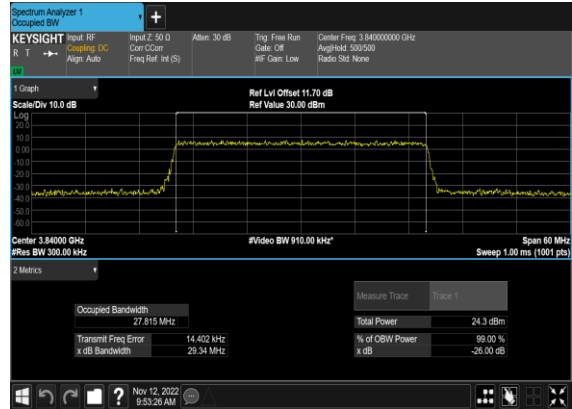
### N77(30M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



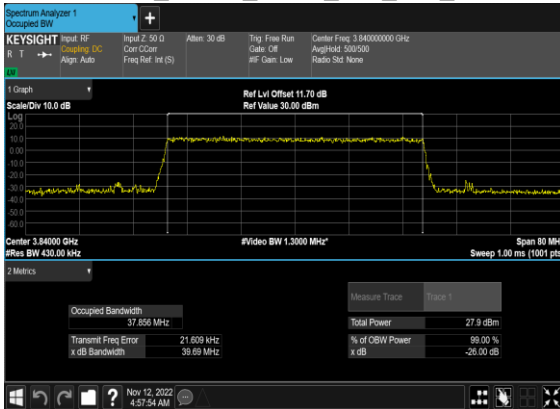
### N77(30M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



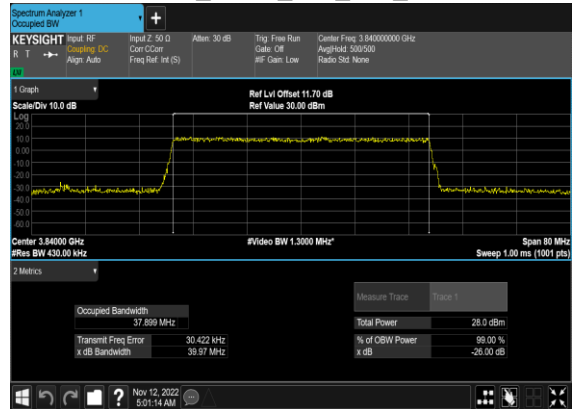
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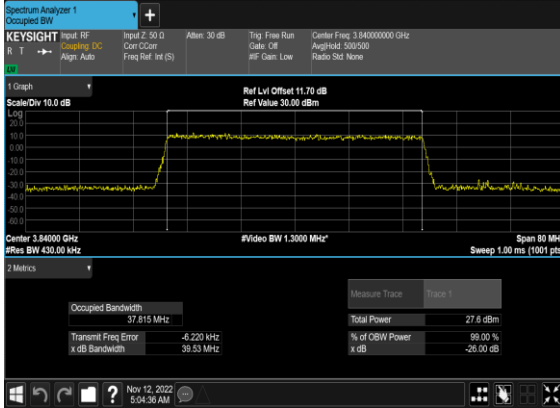
### N77(40M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



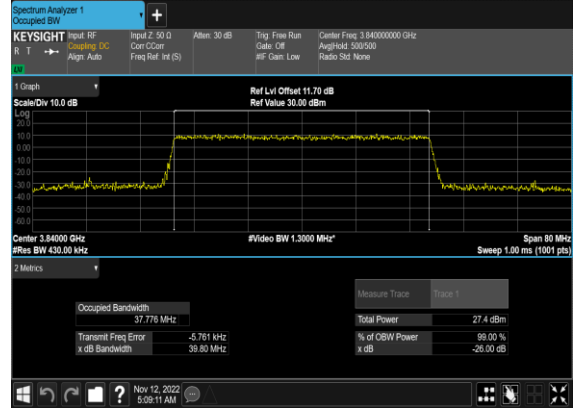
### N77(40M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



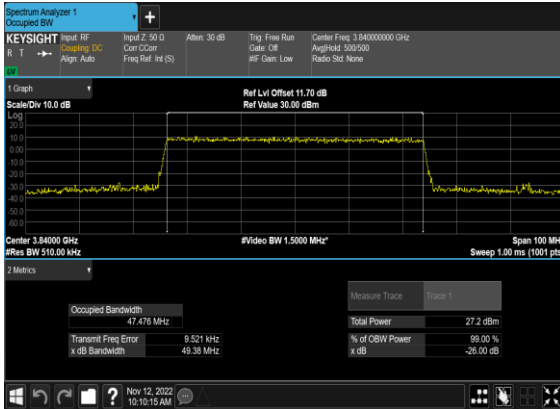
### N77(40M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



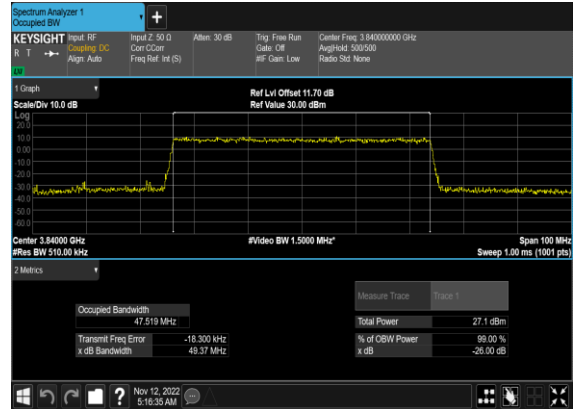
### N77(40M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



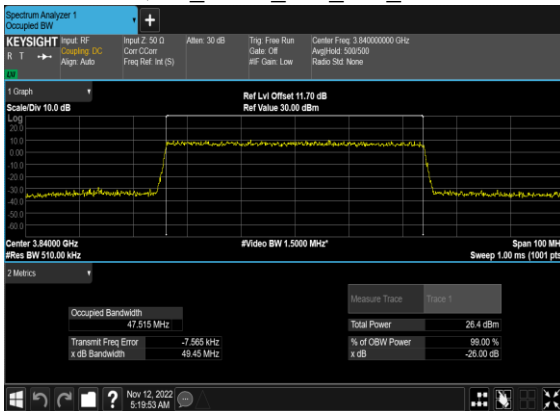
### N77(50M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



### N77(50M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



### N77(50M)\_CP-OFDM\_64 QAM\_Outer\_Full\_Mid\_CH



### N77(50M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH

