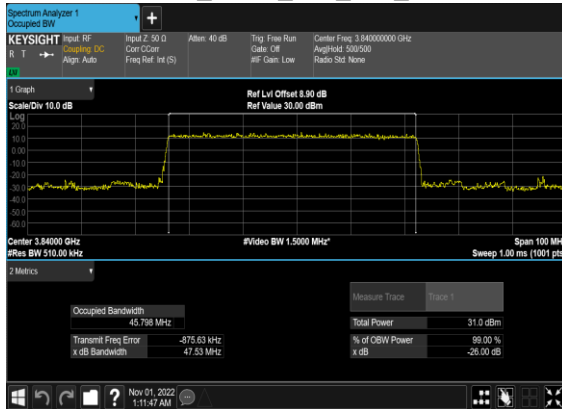
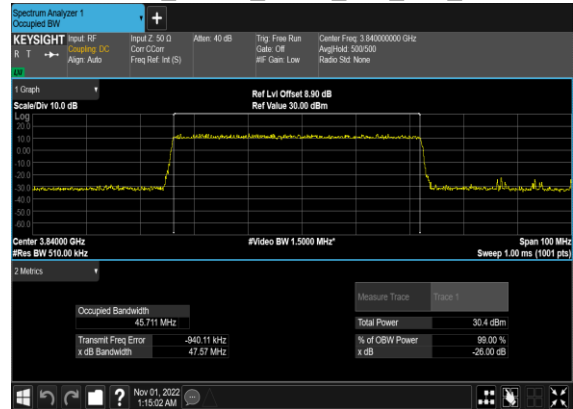


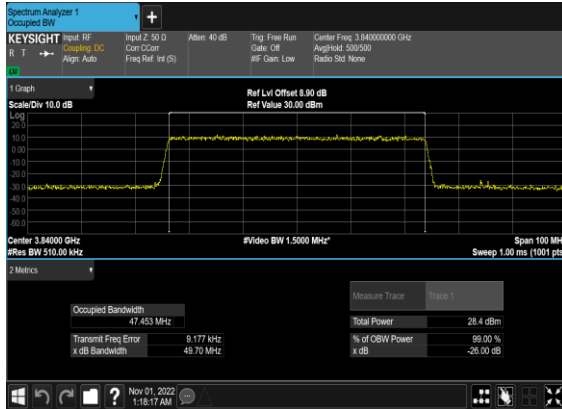
N77(50M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



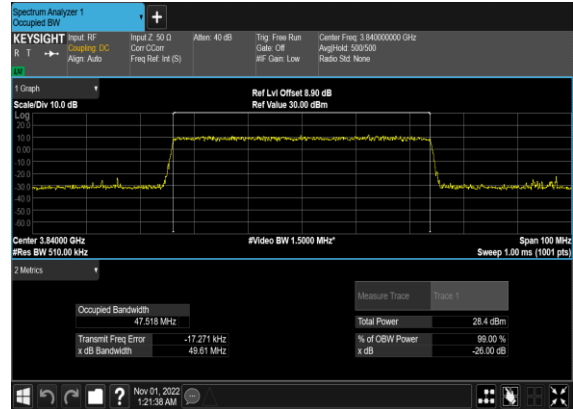
N77(50M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



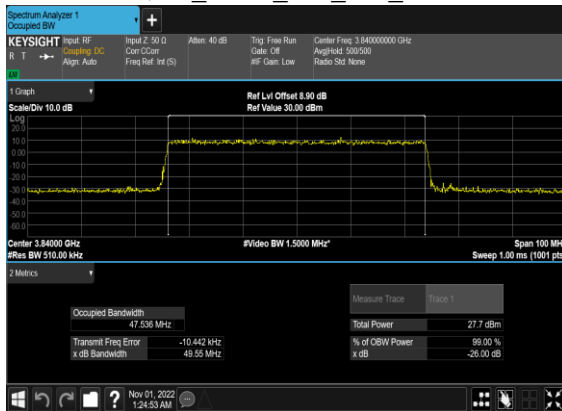
N77(50M)\_CP-OFDM\_QPSK\_Outer\_Full\_Mid\_CH



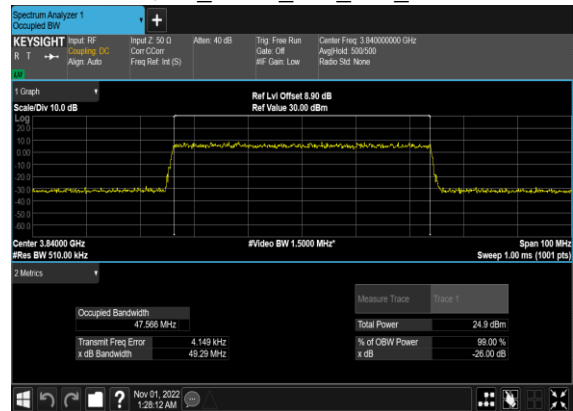
N77(50M)\_CP-OFDM\_16QAM\_Outer\_Full\_Mid\_CH



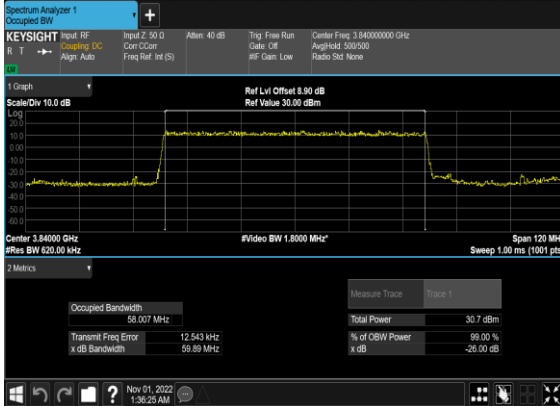
N77(50M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH



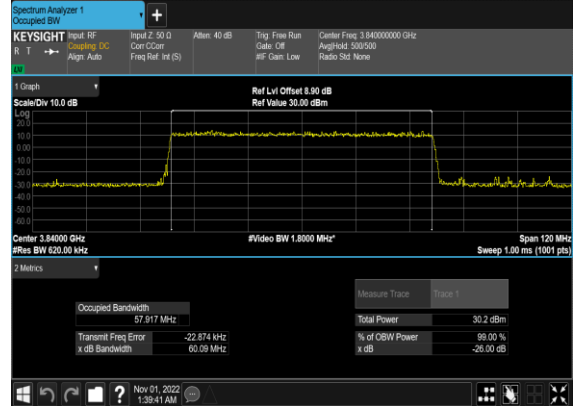
N77(50M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH



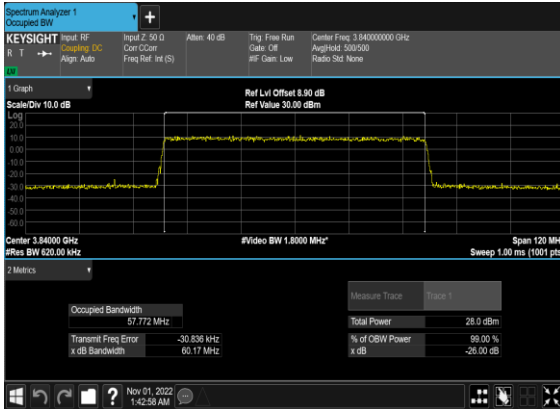
### N77(60M)\_DFT-s-OFDM\_PI\_2-BPSK\_Outer\_Full\_Mid\_CH



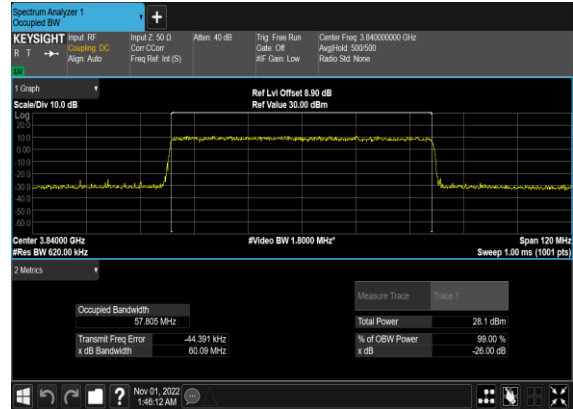
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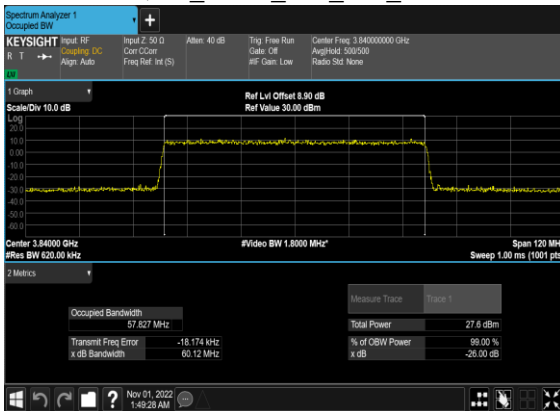
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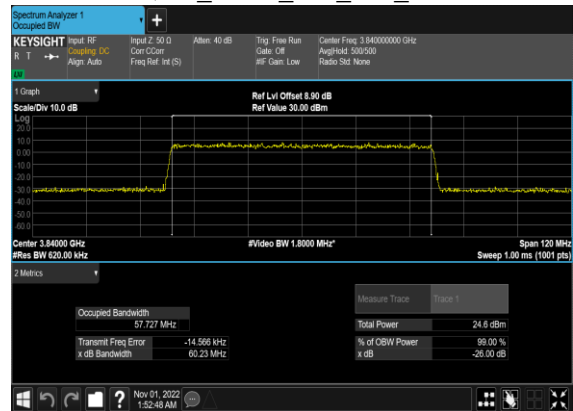
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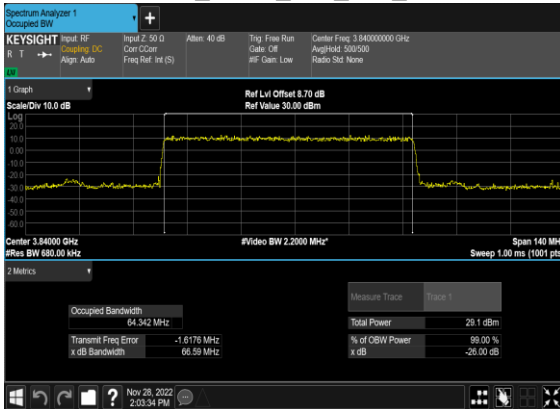
### N77(60M)\_CP-OFDM\_64QAM\_Outer\_Full\_Mid\_CH



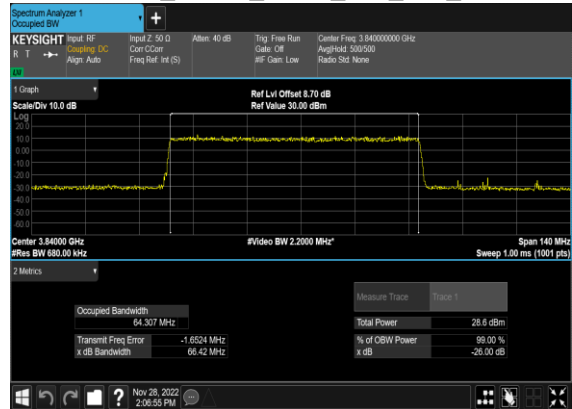
### N77(60M)\_CP-OFDM\_256QAM\_Outer\_Full\_Mid\_CH



B2\_N77(70M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



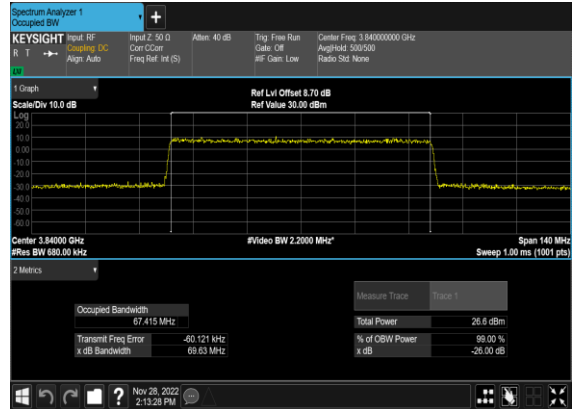
B2\_N77(70M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



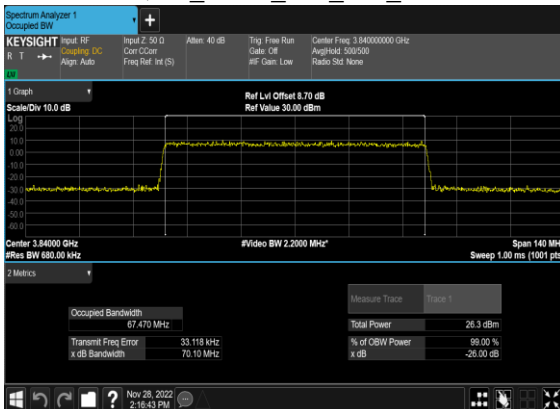
B2\_N77(70M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



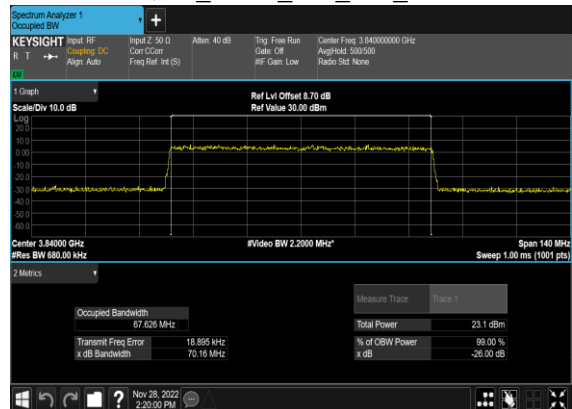
B2\_N77(70M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



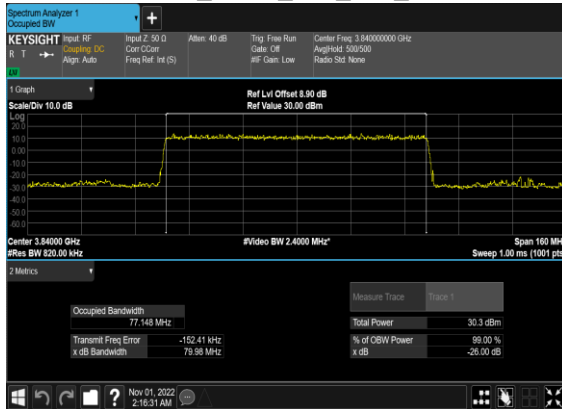
B2\_N77(70M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH



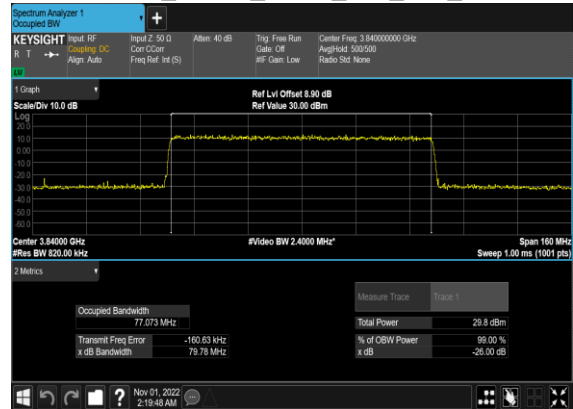
B2\_N77(70M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH



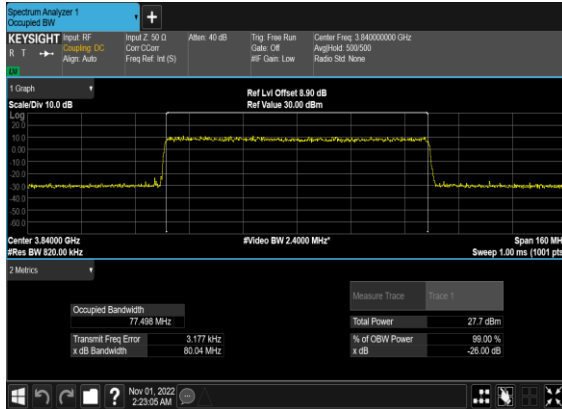
N77(80M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



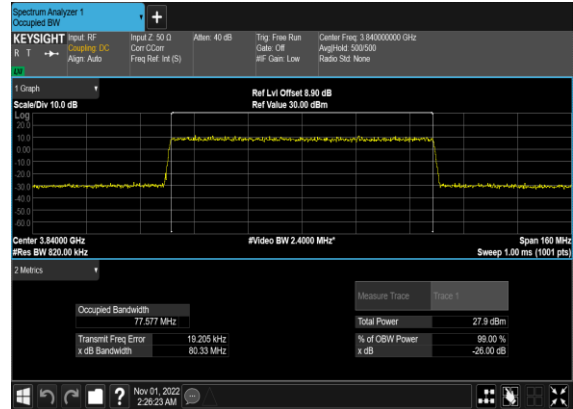
N77(80M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



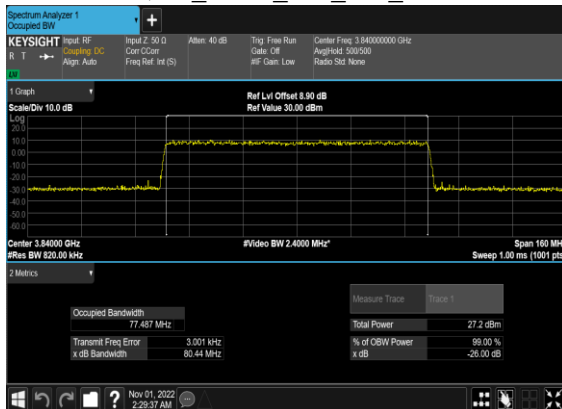
N77(80M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



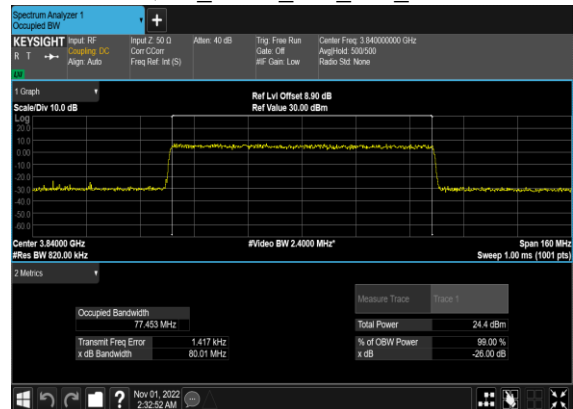
N77(80M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



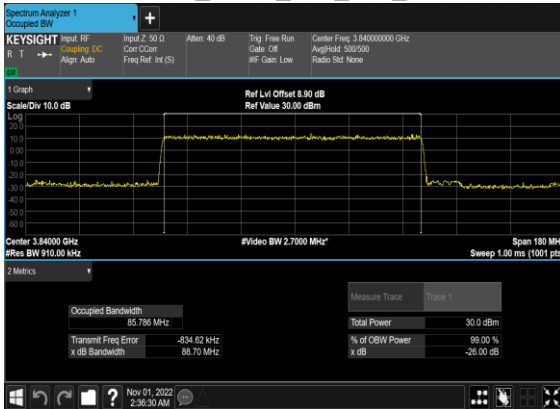
N77(80M)\_CP-OFDM\_64  
QAM\_Outer\_Full\_Mid\_CH



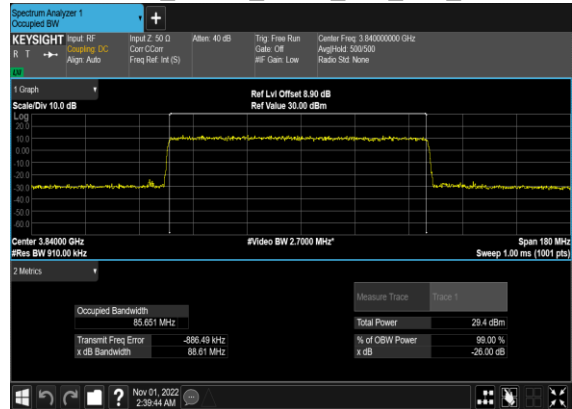
N77(80M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH



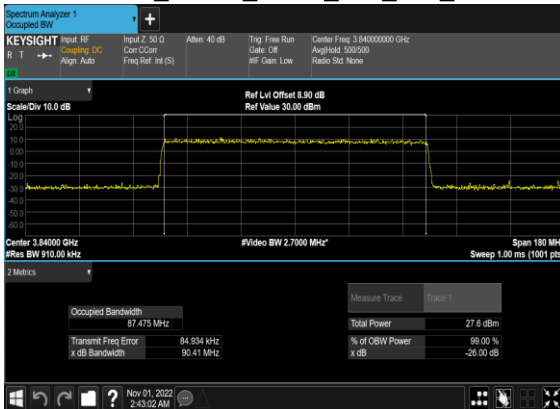
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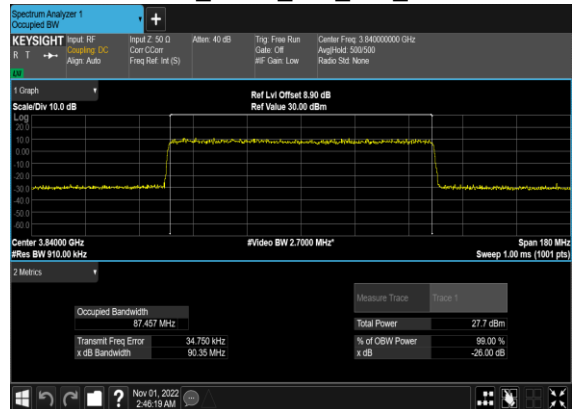
### N77(90M)\_DFT-s- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



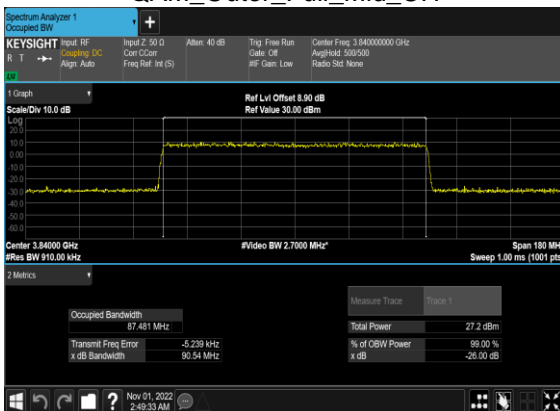
### N77(90M)\_CP- OFDM\_QPSK\_Outer\_Full\_Mid\_CH



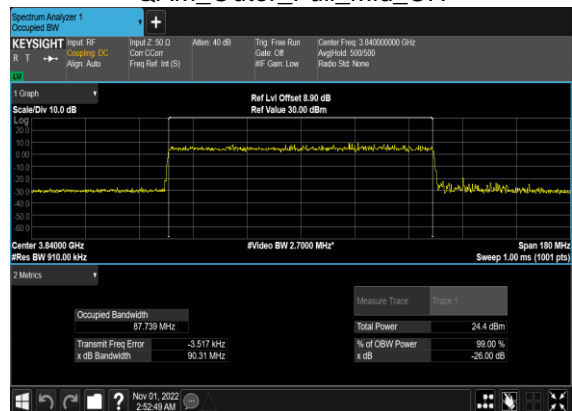
### N77(90M)\_CP-OFDM\_16 QAM\_Outer\_Full\_Mid\_CH



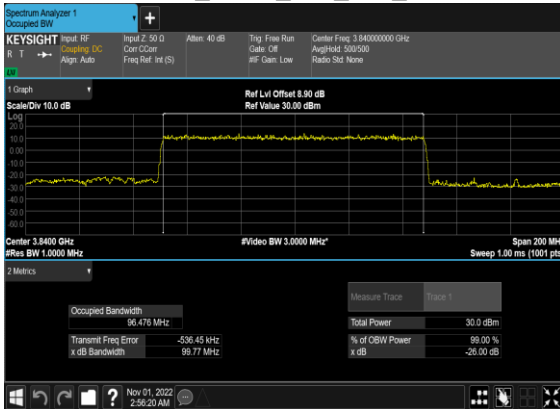
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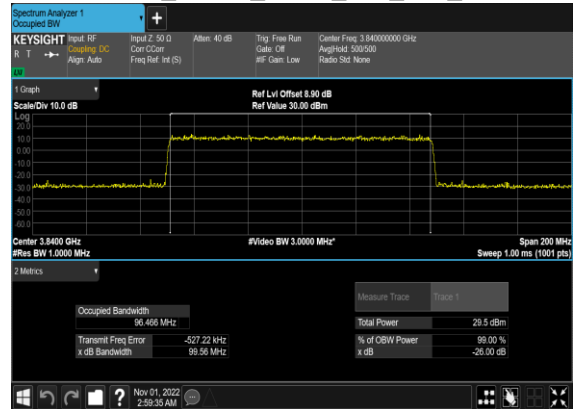
### N77(90M)\_CP-OFDM\_256 QAM\_Outer\_Full\_Mid\_CH



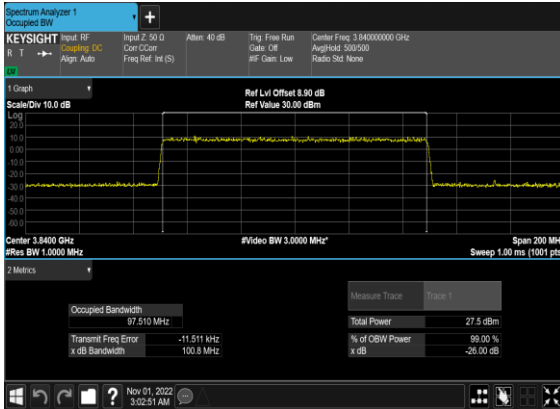
N77(100M)\_DFT-s-OFDM\_PI\_2-  
BPSK\_Outer\_Full\_Mid\_CH



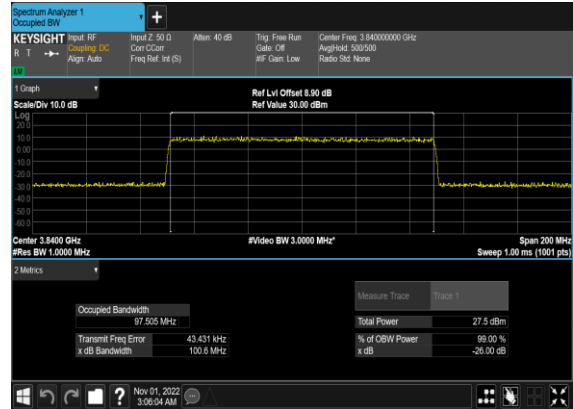
N77(100M)\_DFT-s-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



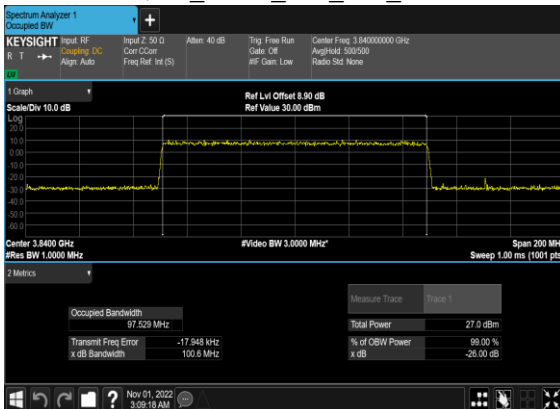
N77(100M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



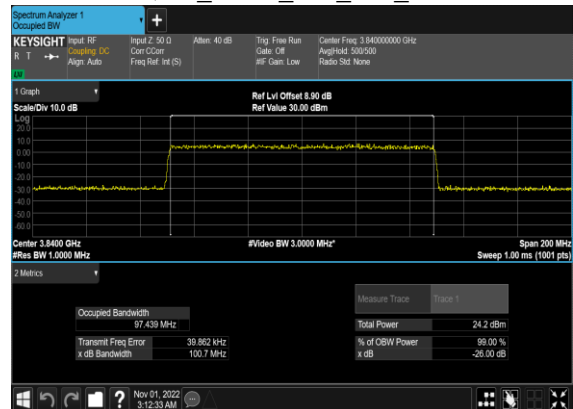
N77(100M)\_CP-OFDM\_16  
QAM\_Outer\_Full\_Mid\_CH



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



N77(100M)\_CP-OFDM\_256  
QAM\_Outer\_Full\_Mid\_CH



## Conducted Spurious Emissions

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation      | RB  | Result    | Verdict |
|---------|-----------|-----------------|--------|------------|-----------------|-----|-----------|---------|
| 77      | 30        | 10              | 647000 | 3705.0     | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 77      | 30        | 10              | 647000 | 3705.0     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 10              | 647000 | 3705.0     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 10              | 647000 | 3705.0     | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 77      | 30        | 10              | 647000 | 3705.0     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 10              | 647000 | 3705.0     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 10              | 656000 | 3840.0     | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 77      | 30        | 10              | 656000 | 3840.0     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 10              | 656000 | 3840.0     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 10              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 77      | 30        | 10              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 10              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 10              | 665000 | 3975.0     | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 77      | 30        | 10              | 665000 | 3975.0     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 10              | 665000 | 3975.0     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 10              | 665000 | 3975.0     | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 77      | 30        | 10              | 665000 | 3975.0     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 10              | 665000 | 3975.0     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 50              | 648334 | 3725.01    | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 77      | 30        | 50              | 648334 | 3725.01    | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 50              | 648334 | 3725.01    | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 50              | 648334 | 3725.01    | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 77      | 30        | 50              | 648334 | 3725.01    | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 50              | 648334 | 3725.01    | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 50              | 656000 | 3840.0     | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 77      | 30        | 50              | 656000 | 3840.0     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 50              | 656000 | 3840.0     | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 50              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 1@0 | see graph | ---     |
| 77      | 30        | 50              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 50              | 656000 | 3840.0     | DFT-s-OFDM QPSK | 1@0 | see graph | PASS    |
| 77      | 30        | 50              | 663666 | 3954.99    | DFT-s-OFDM BPSK | 1@0 | see graph | ---     |
| 77      | 30        | 50              | 663666 | 3954.99    | DFT-s-OFDM BPSK | 1@0 | see graph | PASS    |

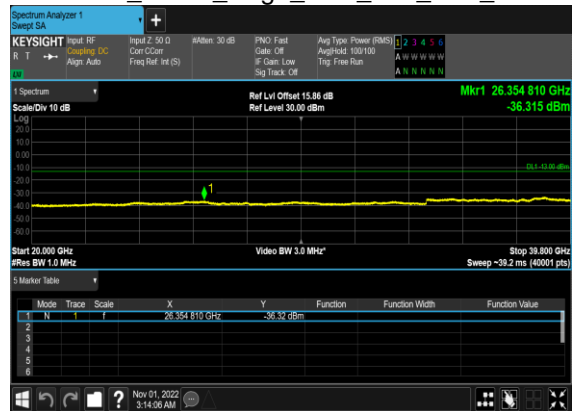
|    |    |     |        |         |                    |     |           |      |
|----|----|-----|--------|---------|--------------------|-----|-----------|------|
| 77 | 30 | 50  | 663666 | 3954.99 | DFT-s-OFDM<br>BPSK | 1@0 | see graph | PASS |
| 77 | 30 | 50  | 663666 | 3954.99 | DFT-s-OFDM<br>QPSK | 1@0 | see graph | ---  |
| 77 | 30 | 50  | 663666 | 3954.99 | DFT-s-OFDM<br>QPSK | 1@0 | see graph | PASS |
| 77 | 30 | 50  | 663666 | 3954.99 | DFT-s-OFDM<br>QPSK | 1@0 | see graph | PASS |
| 77 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM<br>BPSK | 1@0 | see graph | ---  |
| 77 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM<br>BPSK | 1@0 | see graph | PASS |
| 77 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM<br>BPSK | 1@0 | see graph | PASS |
| 77 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM<br>QPSK | 1@0 | see graph | ---  |
| 77 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM<br>QPSK | 1@0 | see graph | PASS |
| 77 | 30 | 100 | 650000 | 3750.0  | DFT-s-OFDM<br>QPSK | 1@0 | see graph | PASS |
| 77 | 30 | 100 | 656000 | 3840.0  | DFT-s-OFDM<br>BPSK | 1@0 | see graph | ---  |
| 77 | 30 | 100 | 656000 | 3840.0  | DFT-s-OFDM<br>BPSK | 1@0 | see graph | PASS |
| 77 | 30 | 100 | 656000 | 3840.0  | DFT-s-OFDM<br>BPSK | 1@0 | see graph | PASS |
| 77 | 30 | 100 | 656000 | 3840.0  | DFT-s-OFDM<br>QPSK | 1@0 | see graph | ---  |
| 77 | 30 | 100 | 656000 | 3840.0  | DFT-s-OFDM<br>QPSK | 1@0 | see graph | PASS |
| 77 | 30 | 100 | 656000 | 3840.0  | DFT-s-OFDM<br>QPSK | 1@0 | see graph | PASS |
| 77 | 30 | 100 | 662000 | 3930.0  | DFT-s-OFDM<br>BPSK | 1@0 | see graph | ---  |
| 77 | 30 | 100 | 662000 | 3930.0  | DFT-s-OFDM<br>BPSK | 1@0 | see graph | PASS |
| 77 | 30 | 100 | 662000 | 3930.0  | DFT-s-OFDM<br>BPSK | 1@0 | see graph | PASS |
| 77 | 30 | 100 | 662000 | 3930.0  | DFT-s-OFDM<br>QPSK | 1@0 | see graph | ---  |
| 77 | 30 | 100 | 662000 | 3930.0  | DFT-s-OFDM<br>QPSK | 1@0 | see graph | PASS |
| 77 | 30 | 100 | 662000 | 3930.0  | DFT-s-OFDM<br>QPSK | 1@0 | see graph | PASS |



### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



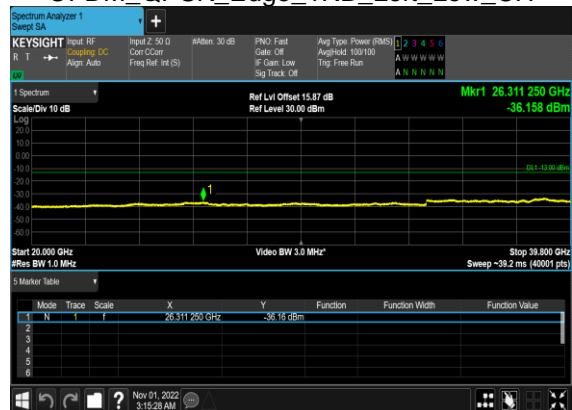
### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



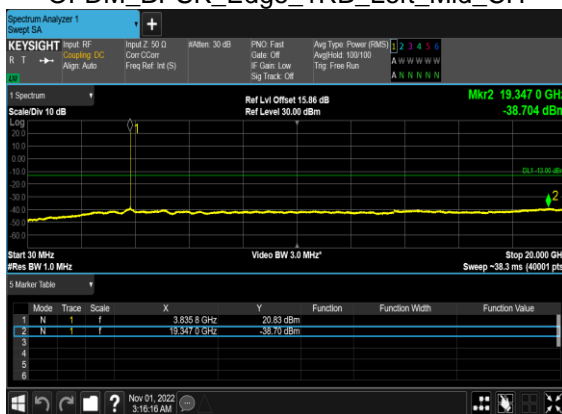
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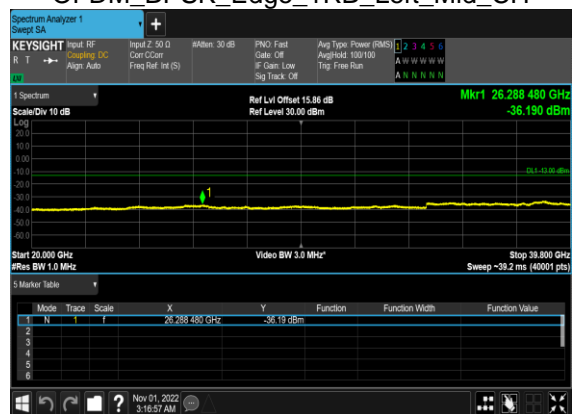
### N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



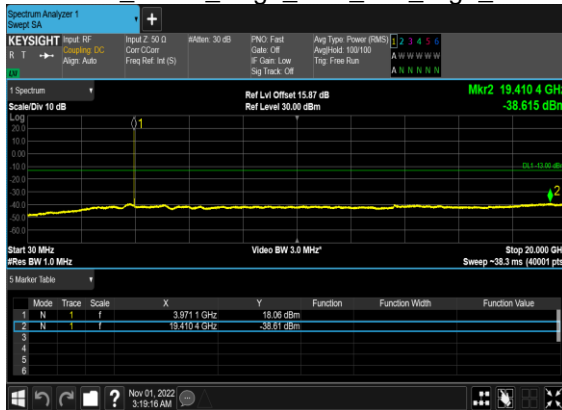
### N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



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



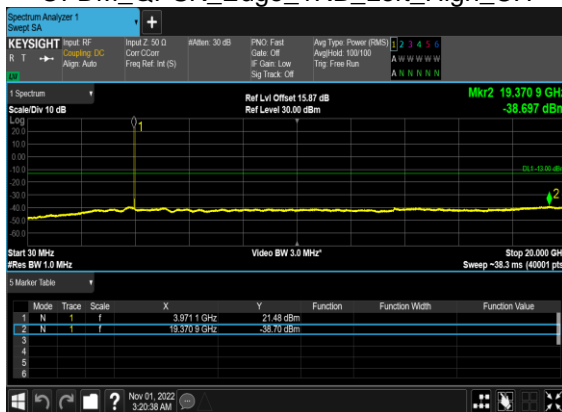
### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



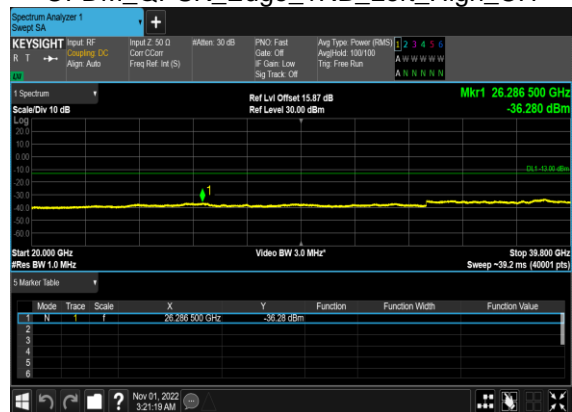
### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



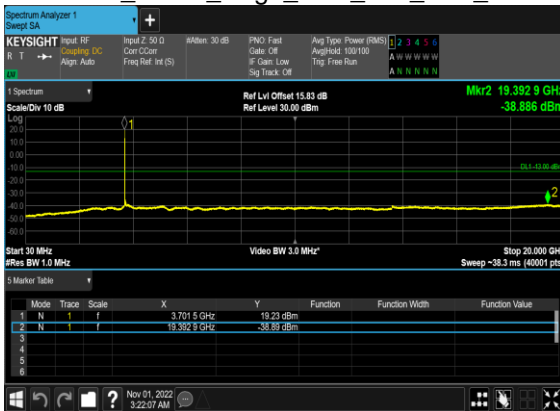
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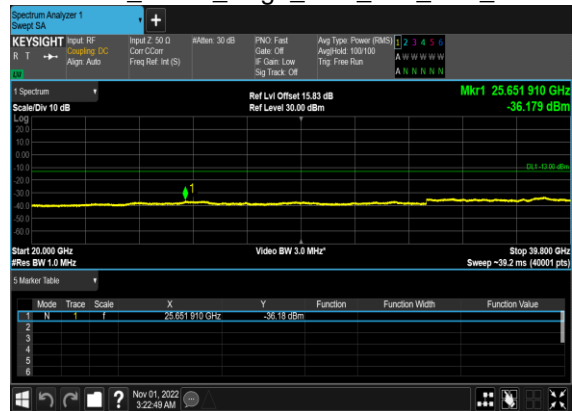
### N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



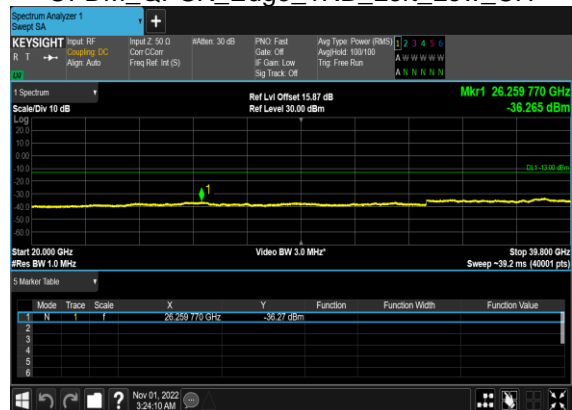
### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



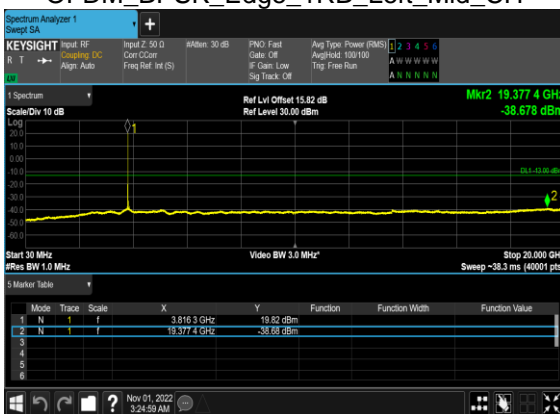
### N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



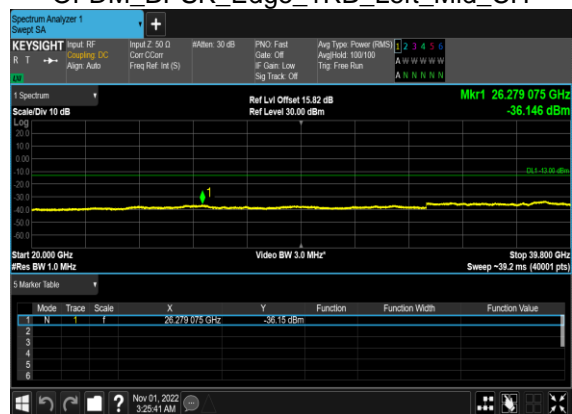
### N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



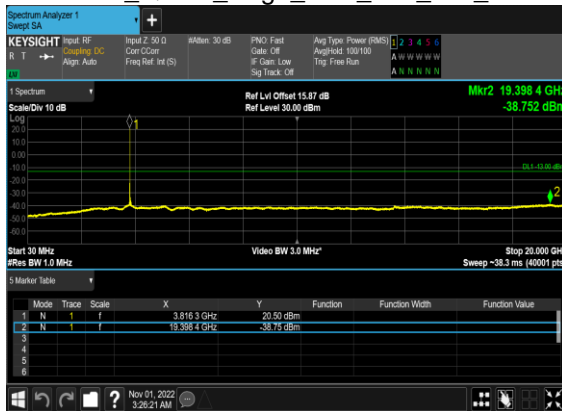
### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



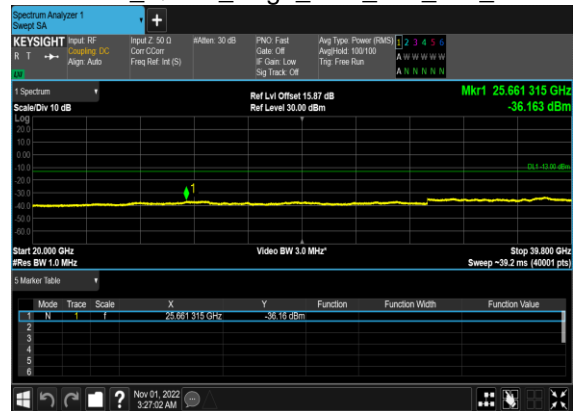
### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



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



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



### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



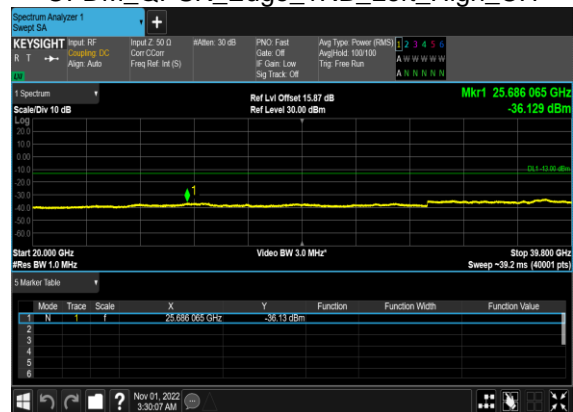
### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



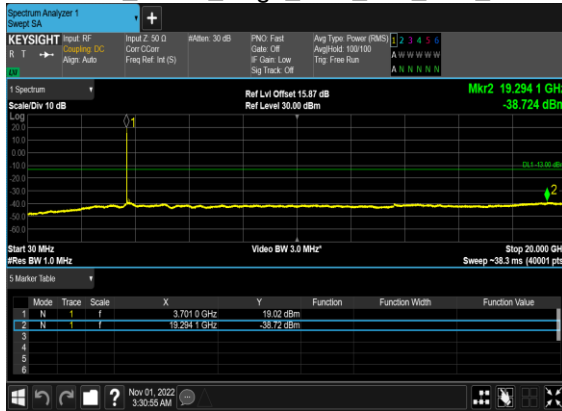
### N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



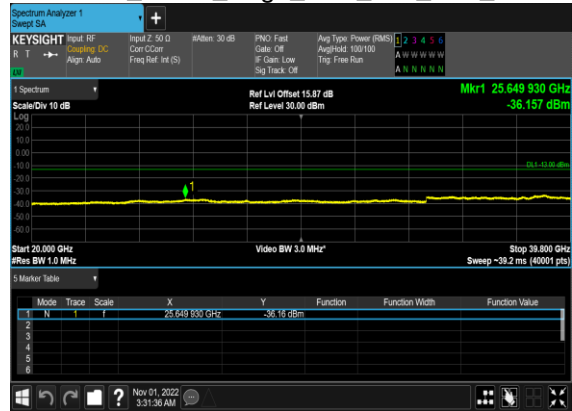
### N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



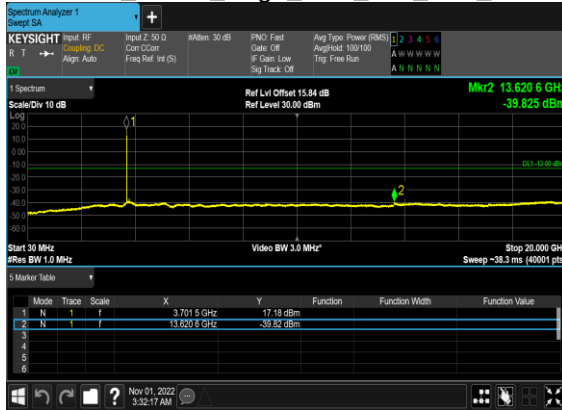
N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



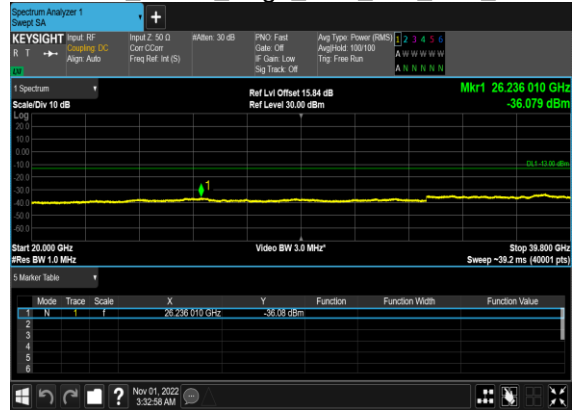
N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



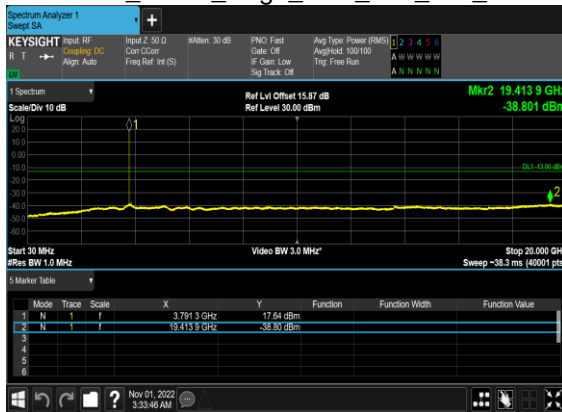
N77(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N77(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



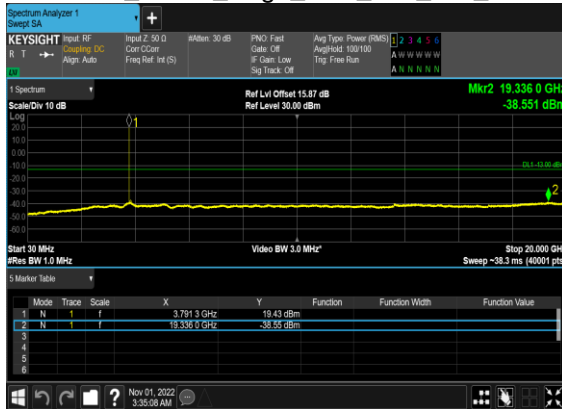
N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



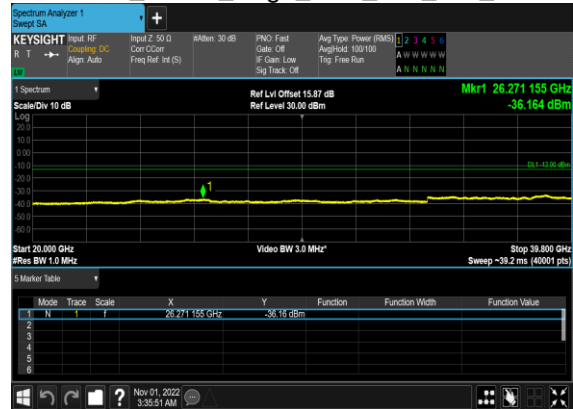
N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



N77(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



N77(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



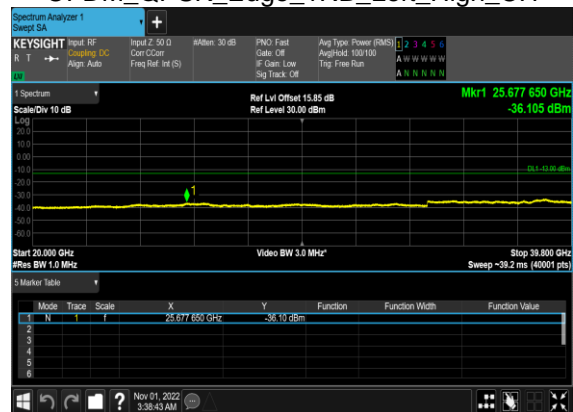
N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



N77(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



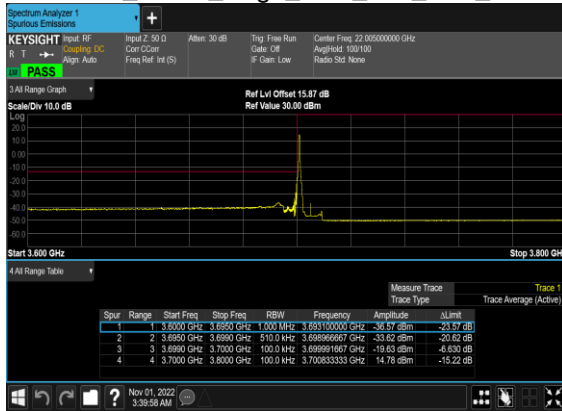
N77(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



## Conducted Band Edge

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation         | RB    | Result    | Verdict |
|---------|-----------|-----------------|--------|------------|--------------------|-------|-----------|---------|
| 77      | 30        | 10              | 647000 | 3705.0     | DFT-s-OFDM<br>BPSK | 1@0   | see graph | PASS    |
| 77      | 30        | 10              | 647000 | 3705.0     | DFT-s-OFDM<br>QPSK | 1@0   | see graph | PASS    |
| 77      | 30        | 10              | 647000 | 3705.0     | DFT-s-OFDM<br>BPSK | 24@0  | see graph | PASS    |
| 77      | 30        | 10              | 647000 | 3705.0     | DFT-s-OFDM<br>QPSK | 24@0  | see graph | PASS    |
| 77      | 30        | 10              | 665000 | 3975.0     | DFT-s-OFDM<br>BPSK | 1@23  | see graph | PASS    |
| 77      | 30        | 10              | 665000 | 3975.0     | DFT-s-OFDM<br>QPSK | 1@23  | see graph | PASS    |
| 77      | 30        | 10              | 665000 | 3975.0     | DFT-s-OFDM<br>BPSK | 24@0  | see graph | PASS    |
| 77      | 30        | 10              | 665000 | 3975.0     | DFT-s-OFDM<br>QPSK | 24@0  | see graph | PASS    |
| 77      | 30        | 50              | 648334 | 3725.01    | DFT-s-OFDM<br>BPSK | 1@0   | see graph | PASS    |
| 77      | 30        | 50              | 648334 | 3725.01    | DFT-s-OFDM<br>QPSK | 1@0   | see graph | PASS    |
| 77      | 30        | 50              | 648334 | 3725.01    | DFT-s-OFDM<br>BPSK | 128@0 | see graph | PASS    |
| 77      | 30        | 50              | 648334 | 3725.01    | DFT-s-OFDM<br>QPSK | 128@0 | see graph | PASS    |
| 77      | 30        | 50              | 663666 | 3954.99    | DFT-s-OFDM<br>BPSK | 1@132 | see graph | PASS    |
| 77      | 30        | 50              | 663666 | 3954.99    | DFT-s-OFDM<br>QPSK | 1@132 | see graph | PASS    |
| 77      | 30        | 50              | 663666 | 3954.99    | DFT-s-OFDM<br>BPSK | 128@0 | see graph | PASS    |
| 77      | 30        | 50              | 663666 | 3954.99    | DFT-s-OFDM<br>QPSK | 128@0 | see graph | PASS    |
| 77      | 30        | 100             | 650000 | 3750.0     | DFT-s-OFDM<br>BPSK | 1@0   | see graph | PASS    |
| 77      | 30        | 100             | 650000 | 3750.0     | DFT-s-OFDM<br>QPSK | 1@0   | see graph | PASS    |
| 77      | 30        | 100             | 650000 | 3750.0     | DFT-s-OFDM<br>BPSK | 270@0 | see graph | PASS    |
| 77      | 30        | 100             | 650000 | 3750.0     | DFT-s-OFDM<br>QPSK | 270@0 | see graph | PASS    |
| 77      | 30        | 100             | 662000 | 3930.0     | DFT-s-OFDM<br>BPSK | 1@272 | see graph | PASS    |
| 77      | 30        | 100             | 662000 | 3930.0     | DFT-s-OFDM<br>QPSK | 1@272 | see graph | PASS    |
| 77      | 30        | 100             | 662000 | 3930.0     | DFT-s-OFDM<br>BPSK | 270@0 | see graph | PASS    |
| 77      | 30        | 100             | 662000 | 3930.0     | DFT-s-OFDM<br>QPSK | 270@0 | see graph | PASS    |

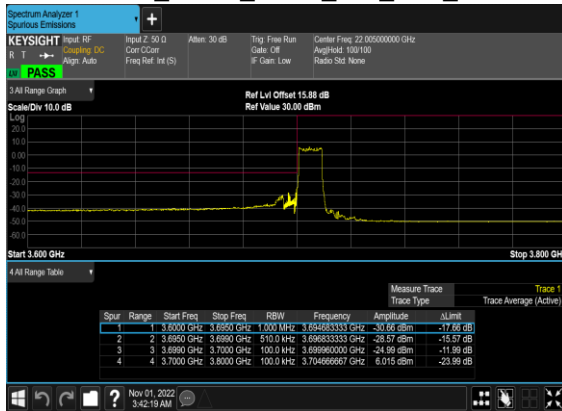
### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



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



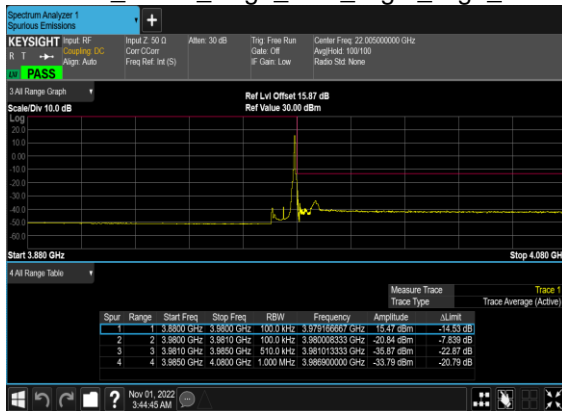
### N77(10M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



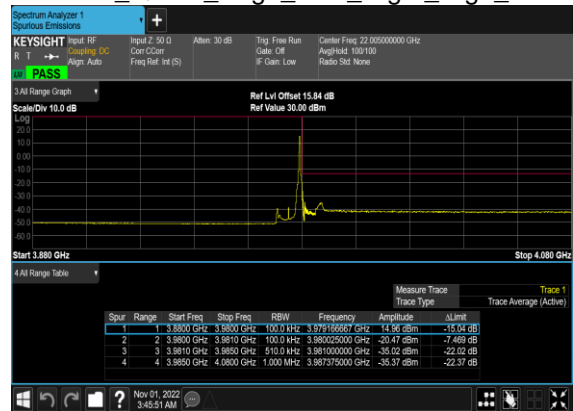
### N77(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



### N77(10M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH

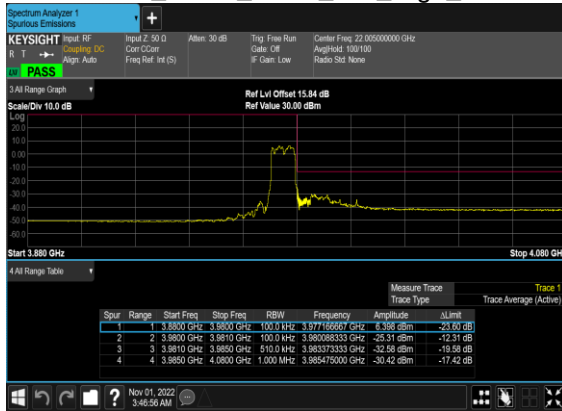


### N77(10M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH





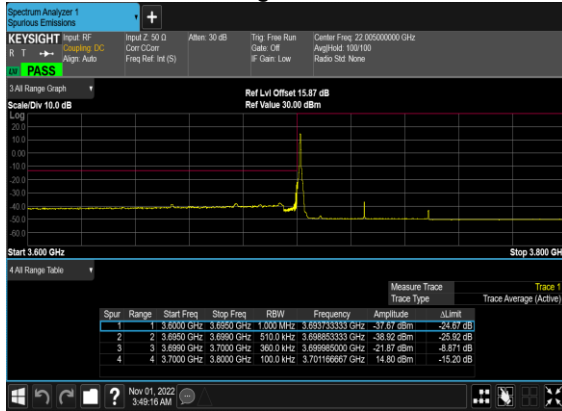
### N77(10M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



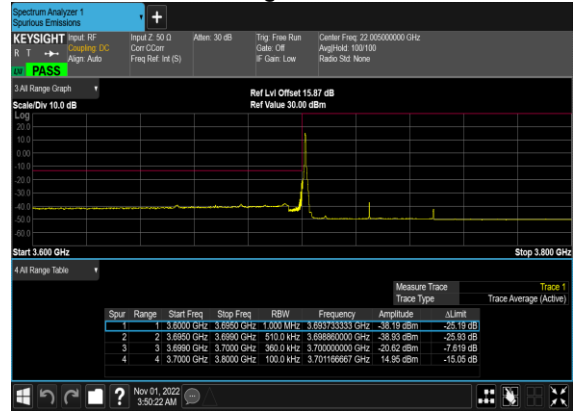
### N77(10M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



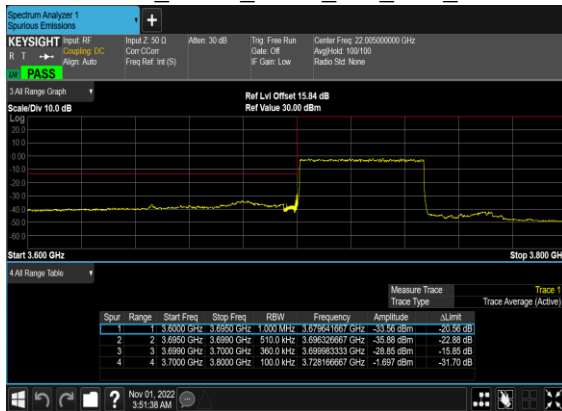
### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



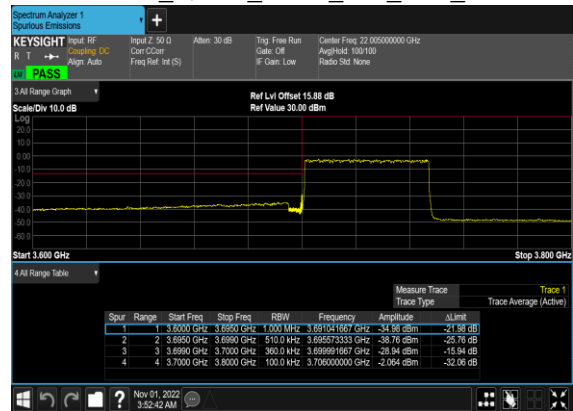
### N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



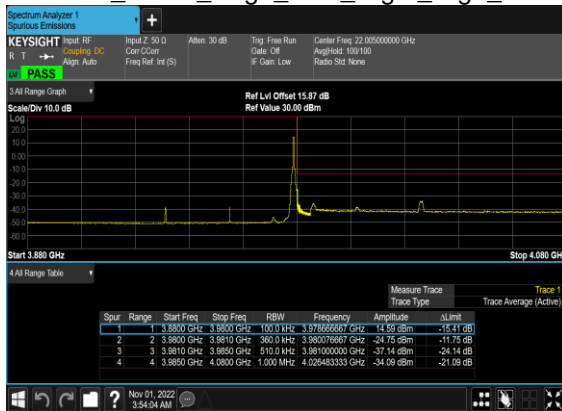
### N77(50M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



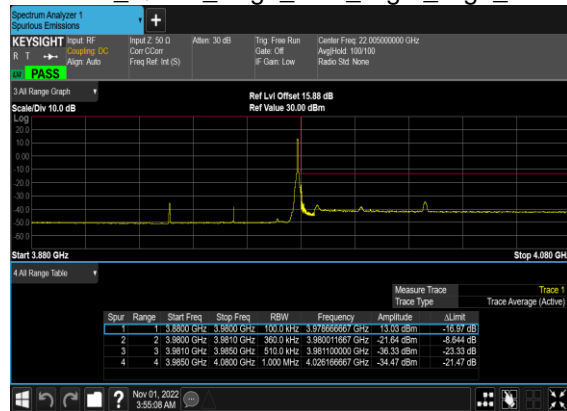
### N77(50M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



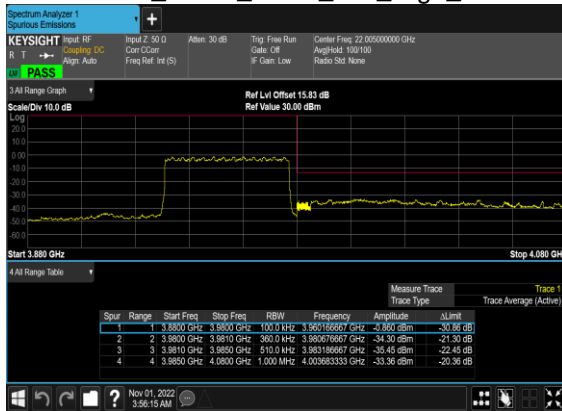
### N77(50M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



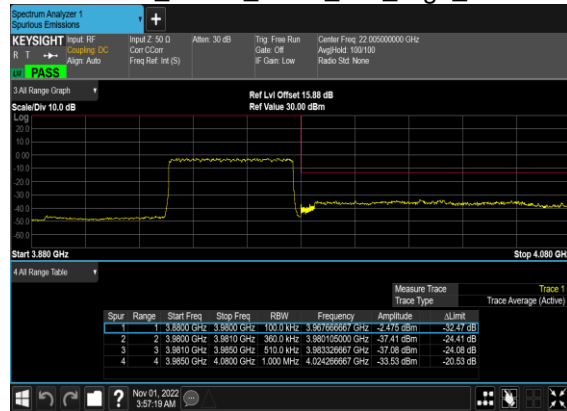
### N77(50M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



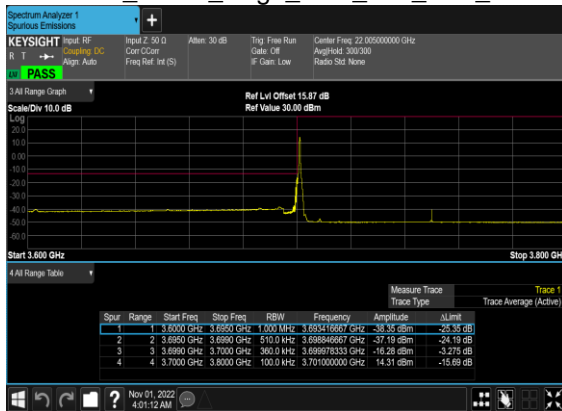
### N77(50M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



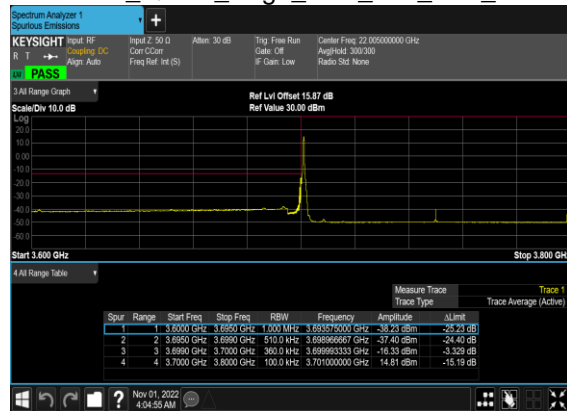
### N77(50M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



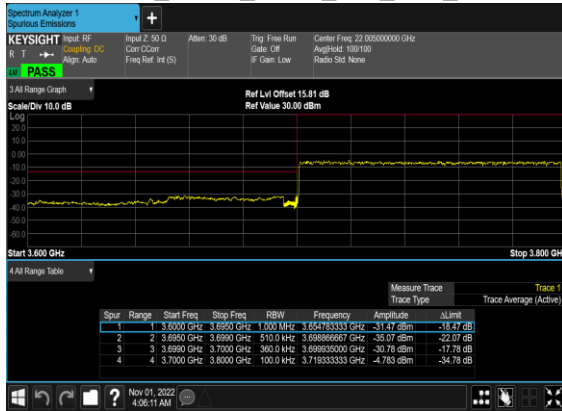
### N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



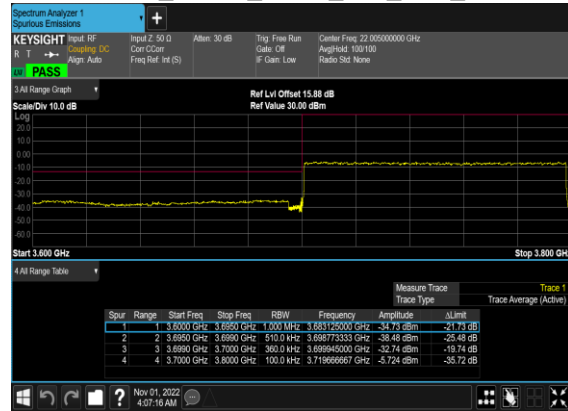
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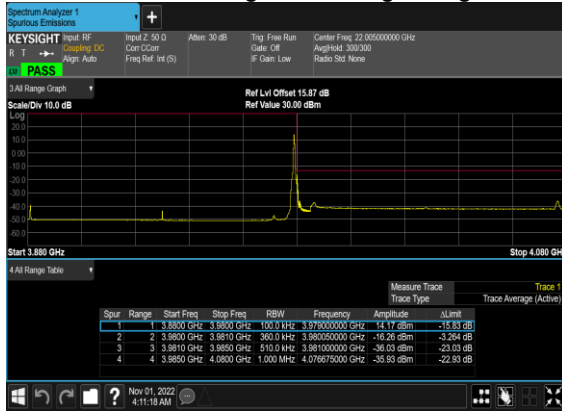
### N77(100M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



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



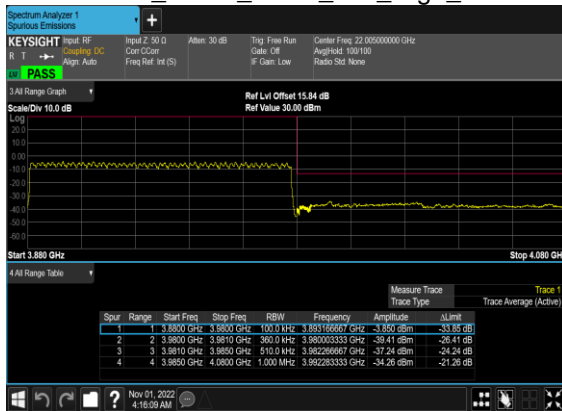
### N77(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



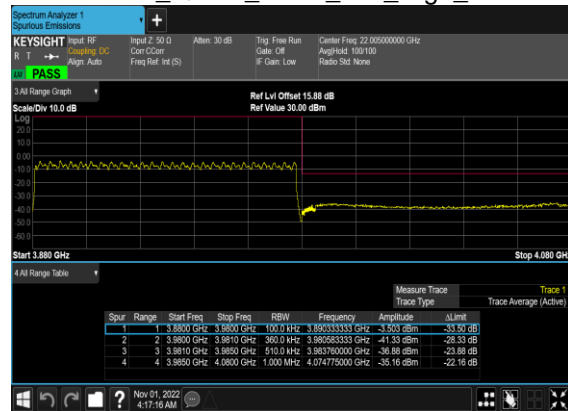
### N77(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



### N77(100M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



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



# FR1 N77 MIMO-ANT6+10

## Transmitter Conducted Output Power and EIRP, ( $G_T - L_C$ )=-2dB

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation     | RB  | ANT6 Power | ANT10 Power | Conducted Power | EIRP (dBm) | EIRP (W) |
|---------|-----------|-----------------|--------|------------|----------------|-----|------------|-------------|-----------------|------------|----------|
| 77      | 30        | 10              | 647000 | 3705.0     | CP-OFDM QPSK   | 1@1 | 20.18      | 20.28       | 23.24           | 21.24      | 0.1331   |
| 77      | 30        | 10              | 647000 | 3705.0     | CP-OFDM 16 QAM | 1@1 | 19.7       | 19.84       | 22.78           | 20.78      | 0.1197   |
| 77      | 30        | 10              | 656000 | 3840.0     | CP-OFDM QPSK   | 1@1 | 20.47      | 20.31       | 23.40           | 21.40      | 0.1381   |
| 77      | 30        | 10              | 656000 | 3840.0     | CP-OFDM 16 QAM | 1@1 | 19.99      | 19.86       | 22.94           | 20.94      | 0.1240   |
| 77      | 30        | 10              | 665000 | 3975.0     | CP-OFDM QPSK   | 1@1 | 20.6       | 20.79       | 23.71           | 21.71      | 0.1481   |
| 77      | 30        | 10              | 665000 | 3975.0     | CP-OFDM 16 QAM | 1@1 | 20.11      | 20.29       | 23.21           | 21.21      | 0.1322   |
| 77      | 30        | 15              | 647168 | 3707.52    | CP-OFDM QPSK   | 1@1 | 20.35      | 20.45       | 23.41           | 21.41      | 0.1384   |
| 77      | 30        | 15              | 647168 | 3707.52    | CP-OFDM 16 QAM | 1@1 | 19.91      | 19.97       | 22.95           | 20.95      | 0.1245   |
| 77      | 30        | 15              | 656000 | 3840.0     | CP-OFDM QPSK   | 1@1 | 20.58      | 20.48       | 23.54           | 21.54      | 0.1426   |
| 77      | 30        | 15              | 656000 | 3840.0     | CP-OFDM 16 QAM | 1@1 | 20.09      | 20.02       | 23.07           | 21.07      | 0.1278   |
| 77      | 30        | 15              | 664832 | 3972.48    | CP-OFDM QPSK   | 1@1 | 20.68      | 20.82       | 23.76           | 21.76      | 0.1500   |
| 77      | 30        | 15              | 664832 | 3972.48    | CP-OFDM 16 QAM | 1@1 | 20.2       | 20.41       | 23.32           | 21.32      | 0.1354   |
| 77      | 30        | 20              | 647334 | 3710.01    | CP-OFDM QPSK   | 1@1 | 20.32      | 20.4        | 23.37           | 21.37      | 0.1371   |
| 77      | 30        | 20              | 647334 | 3710.01    | CP-OFDM 16 QAM | 1@1 | 19.92      | 19.97       | 22.96           | 20.96      | 0.1246   |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK   | 1@1 | 20.54      | 20.48       | 23.52           | 21.52      | 0.1419   |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM 16 QAM | 1@1 | 20.08      | 19.98       | 23.04           | 21.04      | 0.1271   |
| 77      | 30        | 20              | 664666 | 3969.99    | CP-OFDM QPSK   | 1@1 | 20.67      | 20.76       | 23.73           | 21.73      | 0.1488   |
| 77      | 30        | 20              | 664666 | 3969.99    | CP-OFDM 16 QAM | 1@1 | 20.2       | 20.31       | 23.27           | 21.27      | 0.1338   |
| 77      | 30        | 30              | 647668 | 3715.02    | CP-OFDM QPSK   | 1@1 | 20.35      | 20.55       | 23.46           | 21.46      | 0.1400   |
| 77      | 30        | 30              | 647668 | 3715.02    | CP-OFDM 16 QAM | 1@1 | 19.91      | 20.11       | 23.02           | 21.02      | 0.1265   |
| 77      | 30        | 30              | 656000 | 3840.0     | CP-OFDM QPSK   | 1@1 | 20.74      | 20.68       | 23.72           | 21.72      | 0.1486   |
| 77      | 30        | 30              | 656000 | 3840.0     | CP-OFDM 16 QAM | 1@1 | 20.25      | 20.05       | 23.16           | 21.16      | 0.1307   |
| 77      | 30        | 30              | 664332 | 3964.98    | CP-OFDM QPSK   | 1@1 | 20.8       | 20.78       | 23.80           | 21.80      | 0.1514   |
| 77      | 30        | 30              | 664332 | 3964.98    | CP-OFDM 16 QAM | 1@1 | 20.34      | 20.33       | 23.35           | 21.35      | 0.1363   |
| 77      | 30        | 40              | 648000 | 3720.0     | CP-OFDM QPSK   | 1@1 | 20.56      | 20.65       | 23.62           | 21.62      | 0.1451   |
| 77      | 30        | 40              | 648000 | 3720.0     | CP-OFDM 16 QAM | 1@1 | 20.09      | 20.08       | 23.10           | 21.10      | 0.1287   |

|    |    |    |        |         |                   |     |       |       |       |       |        |
|----|----|----|--------|---------|-------------------|-----|-------|-------|-------|-------|--------|
| 77 | 30 | 40 | 656000 | 3840.0  | CP-OFDM<br>QPSK   | 1@1 | 20.84 | 20.7  | 23.78 | 21.78 | 0.1507 |
| 77 | 30 | 40 | 656000 | 3840.0  | CP-OFDM<br>16 QAM | 1@1 | 20.32 | 20.23 | 23.29 | 21.29 | 0.1344 |
| 77 | 30 | 40 | 664000 | 3960.0  | CP-OFDM<br>QPSK   | 1@1 | 20.83 | 20.71 | 23.78 | 21.78 | 0.1507 |
| 77 | 30 | 40 | 664000 | 3960.0  | CP-OFDM<br>16 QAM | 1@1 | 20.42 | 20.28 | 23.36 | 21.36 | 0.1368 |
| 77 | 30 | 50 | 648334 | 3725.01 | CP-OFDM<br>QPSK   | 1@1 | 20.36 | 20.26 | 23.32 | 21.32 | 0.1355 |
| 77 | 30 | 50 | 648334 | 3725.01 | CP-OFDM<br>16 QAM | 1@1 | 19.71 | 19.89 | 22.81 | 20.81 | 0.1205 |
| 77 | 30 | 50 | 656000 | 3840.0  | CP-OFDM<br>QPSK   | 1@1 | 20.55 | 20.46 | 23.52 | 21.52 | 0.1418 |
| 77 | 30 | 50 | 656000 | 3840.0  | CP-OFDM<br>16 QAM | 1@1 | 20.06 | 20.03 | 23.06 | 21.06 | 0.1275 |
| 77 | 30 | 50 | 663666 | 3954.99 | CP-OFDM<br>QPSK   | 1@1 | 20.41 | 20.42 | 23.43 | 21.43 | 0.1388 |
| 77 | 30 | 50 | 663666 | 3954.99 | CP-OFDM<br>16 QAM | 1@1 | 19.96 | 19.97 | 22.98 | 20.98 | 0.1252 |
| 77 | 30 | 60 | 648668 | 3730.02 | CP-OFDM<br>QPSK   | 1@1 | 20.11 | 20.21 | 23.17 | 21.17 | 0.1309 |
| 77 | 30 | 60 | 648668 | 3730.02 | CP-OFDM<br>16 QAM | 1@1 | 19.63 | 19.86 | 22.76 | 20.76 | 0.1190 |
| 77 | 30 | 60 | 656000 | 3840.0  | CP-OFDM<br>QPSK   | 1@1 | 20.46 | 20.32 | 23.40 | 21.40 | 0.1381 |
| 77 | 30 | 60 | 656000 | 3840.0  | CP-OFDM<br>16 QAM | 1@1 | 20.03 | 19.9  | 22.98 | 20.98 | 0.1252 |
| 77 | 30 | 60 | 663332 | 3949.98 | CP-OFDM<br>QPSK   | 1@1 | 20.25 | 20.02 | 23.15 | 21.15 | 0.1302 |
| 77 | 30 | 60 | 663332 | 3949.98 | CP-OFDM<br>16 QAM | 1@1 | 19.75 | 19.65 | 22.71 | 20.71 | 0.1178 |
| 77 | 30 | 70 | 649000 | 3735.0  | CP-OFDM<br>QPSK   | 1@1 | 19.17 | 18.92 | 22.06 | 20.06 | 0.1013 |
| 77 | 30 | 70 | 649000 | 3735.0  | CP-OFDM<br>16 QAM | 1@1 | 18.59 | 18.54 | 21.58 | 19.58 | 0.0907 |
| 77 | 30 | 70 | 656000 | 3840.0  | CP-OFDM<br>QPSK   | 1@1 | 19.44 | 18.95 | 22.21 | 20.21 | 0.1050 |
| 77 | 30 | 70 | 656000 | 3840.0  | CP-OFDM<br>16 QAM | 1@1 | 19.05 | 18.52 | 21.80 | 19.80 | 0.0956 |
| 77 | 30 | 70 | 663000 | 3945.0  | CP-OFDM<br>QPSK   | 1@1 | 19.19 | 18.63 | 21.93 | 19.93 | 0.0984 |
| 77 | 30 | 70 | 663000 | 3945.0  | CP-OFDM<br>16 QAM | 1@1 | 18.72 | 18.44 | 21.59 | 19.59 | 0.0910 |
| 77 | 30 | 80 | 649334 | 3740.01 | CP-OFDM<br>QPSK   | 1@1 | 19.98 | 20.1  | 23.05 | 21.05 | 0.1274 |
| 77 | 30 | 80 | 649334 | 3740.01 | CP-OFDM<br>16 QAM | 1@1 | 19.46 | 19.74 | 22.61 | 20.61 | 0.1151 |
| 77 | 30 | 80 | 656000 | 3840.0  | CP-OFDM<br>QPSK   | 1@1 | 20.43 | 20.18 | 23.32 | 21.32 | 0.1354 |
| 77 | 30 | 80 | 656000 | 3840.0  | CP-OFDM<br>16 QAM | 1@1 | 19.89 | 19.78 | 22.85 | 20.85 | 0.1215 |
| 77 | 30 | 80 | 662666 | 3939.99 | CP-OFDM<br>QPSK   | 1@1 | 20.11 | 19.97 | 23.05 | 21.05 | 0.1274 |
| 77 | 30 | 80 | 662666 | 3939.99 | CP-OFDM<br>16 QAM | 1@1 | 19.62 | 19.56 | 22.60 | 20.60 | 0.1148 |
| 77 | 30 | 90 | 649668 | 3745.02 | CP-OFDM<br>QPSK   | 1@1 | 19.94 | 20.15 | 23.06 | 21.06 | 0.1275 |
| 77 | 30 | 90 | 649668 | 3745.02 | CP-OFDM<br>16 QAM | 1@1 | 19.51 | 19.73 | 22.63 | 20.63 | 0.1157 |
| 77 | 30 | 90 | 656000 | 3840.0  | CP-OFDM<br>QPSK   | 1@1 | 20.34 | 20.13 | 23.25 | 21.25 | 0.1332 |
| 77 | 30 | 90 | 656000 | 3840.0  | CP-OFDM<br>16 QAM | 1@1 | 19.88 | 19.73 | 22.82 | 20.82 | 0.1207 |

|    |    |     |        |         |                 |        |       |       |       |       |        |
|----|----|-----|--------|---------|-----------------|--------|-------|-------|-------|-------|--------|
| 77 | 30 | 90  | 662332 | 3934.98 | CP-OFDM QPSK    | 1@1    | 20.17 | 20.02 | 23.11 | 21.11 | 0.1290 |
| 77 | 30 | 90  | 662332 | 3934.98 | CP-OFDM 16 QAM  | 1@1    | 19.75 | 19.49 | 22.63 | 20.63 | 0.1157 |
| 77 | 30 | 100 | 650000 | 3500.01 | CP-OFDM QPSK    | 137@68 | 20.13 | 20.12 | 23.14 | 21.14 | 0.1299 |
| 77 | 30 | 100 | 650000 | 3750.0  | CP-OFDM QPSK    | 1@1    | 20.26 | 20.3  | 23.29 | 21.29 | 0.1346 |
| 77 | 30 | 100 | 650000 | 3750.0  | CP-OFDM QPSK    | 1@271  | 20.7  | 20.71 | 23.72 | 21.72 | 0.1484 |
| 77 | 30 | 100 | 650000 | 3750.0  | CP-OFDM 16 QAM  | 137@68 | 19.58 | 19.59 | 22.60 | 20.60 | 0.1147 |
| 77 | 30 | 100 | 650000 | 3750.0  | CP-OFDM 16 QAM  | 1@1    | 19.44 | 19.7  | 22.58 | 20.58 | 0.1143 |
| 77 | 30 | 100 | 650000 | 3750.0  | CP-OFDM 16 QAM  | 1@271  | 19.87 | 19.96 | 22.93 | 20.93 | 0.1238 |
| 77 | 30 | 100 | 650000 | 3750.0  | CP-OFDM 64 QAM  | 137@68 | 18.08 | 18.03 | 21.07 | 19.07 | 0.0806 |
| 77 | 30 | 100 | 650000 | 3750.0  | CP-OFDM 64 QAM  | 1@1    | 17.96 | 18.06 | 21.02 | 19.02 | 0.0798 |
| 77 | 30 | 100 | 650000 | 3750.0  | CP-OFDM 64 QAM  | 1@271  | 18.39 | 18.29 | 21.35 | 19.35 | 0.0861 |
| 77 | 30 | 100 | 650000 | 3750.0  | CP-OFDM 256 QAM | 137@68 | 15.6  | 15.01 | 18.33 | 16.33 | 0.0429 |
| 77 | 30 | 100 | 650000 | 3750.0  | CP-OFDM 256 QAM | 1@1    | 15.42 | 14.92 | 18.19 | 16.19 | 0.0416 |
| 77 | 30 | 100 | 650000 | 3750.0  | CP-OFDM 256 QAM | 1@271  | 15.83 | 15.22 | 18.55 | 16.55 | 0.0451 |
| 77 | 30 | 100 | 656000 | 3750.0  | CP-OFDM QPSK    | 137@68 | 20.32 | 20.36 | 23.35 | 21.35 | 0.1365 |
| 77 | 30 | 100 | 656000 | 3840.0  | CP-OFDM QPSK    | 1@1    | 20.61 | 20.44 | 23.54 | 21.54 | 0.1424 |
| 77 | 30 | 100 | 656000 | 3840.0  | CP-OFDM QPSK    | 1@271  | 20.35 | 20.17 | 23.27 | 21.27 | 0.1340 |
| 77 | 30 | 100 | 656000 | 3840.0  | CP-OFDM 16 QAM  | 137@68 | 19.71 | 19.71 | 22.72 | 20.72 | 0.1180 |
| 77 | 30 | 100 | 656000 | 3840.0  | CP-OFDM 16 QAM  | 1@1    | 19.82 | 19.71 | 22.78 | 20.78 | 0.1196 |
| 77 | 30 | 100 | 656000 | 3840.0  | CP-OFDM 16 QAM  | 1@271  | 19.5  | 19.41 | 22.47 | 20.47 | 0.1113 |
| 77 | 30 | 100 | 656000 | 3840.0  | CP-OFDM 64 QAM  | 137@68 | 18.23 | 18.28 | 21.27 | 19.27 | 0.0844 |
| 77 | 30 | 100 | 656000 | 3840.0  | CP-OFDM 64 QAM  | 1@1    | 18.39 | 18.09 | 21.25 | 19.25 | 0.0842 |
| 77 | 30 | 100 | 656000 | 3840.0  | CP-OFDM 64 QAM  | 1@271  | 18.05 | 17.76 | 20.92 | 18.92 | 0.0779 |
| 77 | 30 | 100 | 656000 | 3840.0  | CP-OFDM 256 QAM | 137@68 | 15.8  | 15.01 | 18.43 | 16.43 | 0.0440 |
| 77 | 30 | 100 | 656000 | 3840.0  | CP-OFDM 256 QAM | 1@1    | 15.83 | 14.96 | 18.43 | 16.43 | 0.0439 |
| 77 | 30 | 100 | 656000 | 3840.0  | CP-OFDM 256 QAM | 1@271  | 15.39 | 14.66 | 18.05 | 16.05 | 0.0403 |
| 77 | 30 | 100 | 662000 | 3930.0  | CP-OFDM QPSK    | 137@68 | 20.37 | 20.35 | 23.37 | 21.37 | 0.1371 |
| 77 | 30 | 100 | 662000 | 3930.0  | CP-OFDM QPSK    | 1@1    | 20.51 | 20.31 | 23.42 | 21.42 | 0.1387 |
| 77 | 30 | 100 | 662000 | 3930.0  | CP-OFDM QPSK    | 1@271  | 20.68 | 20.92 | 23.81 | 21.81 | 0.1518 |
| 77 | 30 | 100 | 662000 | 3930.0  | CP-OFDM 16 QAM  | 137@68 | 19.62 | 19.53 | 22.59 | 20.59 | 0.1144 |
| 77 | 30 | 100 | 662000 | 3930.0  | CP-OFDM 16 QAM  | 1@1    | 19.75 | 19.62 | 22.70 | 20.70 | 0.1174 |
| 77 | 30 | 100 | 662000 | 3930.0  | CP-OFDM 16 QAM  | 1@271  | 19.65 | 20.26 | 22.98 | 20.98 | 0.1252 |

|    |    |     |        |        |                    |        |       |       |       |       |        |
|----|----|-----|--------|--------|--------------------|--------|-------|-------|-------|-------|--------|
| 77 | 30 | 100 | 662000 | 3930.0 | CP-OFDM<br>64 QAM  | 137@68 | 18.12 | 18.09 | 21.12 | 19.12 | 0.0816 |
| 77 | 30 | 100 | 662000 | 3930.0 | CP-OFDM<br>64 QAM  | 1@1    | 18.27 | 17.94 | 21.12 | 19.12 | 0.0816 |
| 77 | 30 | 100 | 662000 | 3930.0 | CP-OFDM<br>64 QAM  | 1@271  | 18.18 | 18.68 | 21.45 | 19.45 | 0.0881 |
| 77 | 30 | 100 | 662000 | 3930.0 | CP-OFDM<br>256 QAM | 137@68 | 15.3  | 15.06 | 18.19 | 16.19 | 0.0416 |
| 77 | 30 | 100 | 662000 | 3930.0 | CP-OFDM<br>256 QAM | 1@1    | 15.69 | 14.93 | 18.34 | 16.34 | 0.0430 |
| 77 | 30 | 100 | 662000 | 3930.0 | CP-OFDM<br>256 QAM | 1@271  | 15.54 | 15.62 | 18.59 | 16.59 | 0.0456 |

# FR1 N77 MIMO-ANT6

## Frequency Stability

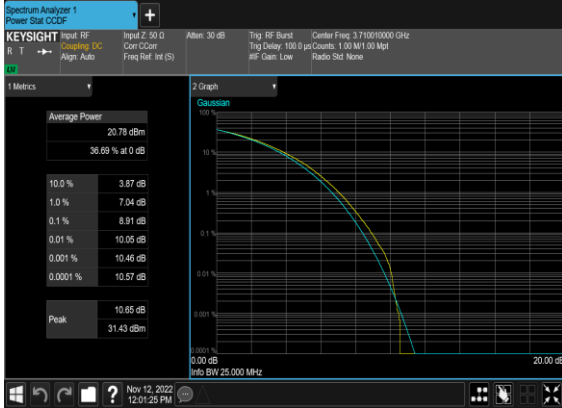
| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation   | RB   | Deviation (ppm) | Verdict | Environment |
|---------|-----------|-----------------|--------|------------|--------------|------|-----------------|---------|-------------|
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 0.0045          | PASS    | NV          |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 0.0025          | PASS    | LV          |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 0.0042          | PASS    | HV          |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 0.0068          | PASS    | -30°C       |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 0.0044          | PASS    | -20°C       |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 0.0048          | PASS    | -10°C       |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 0.0037          | PASS    | 0°C         |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 0.0035          | PASS    | 10°C        |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 0.0045          | PASS    | 20°C        |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 0.0025          | PASS    | 30°C        |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 0.0046          | PASS    | 40°C        |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 0.0044          | PASS    | 50°C        |



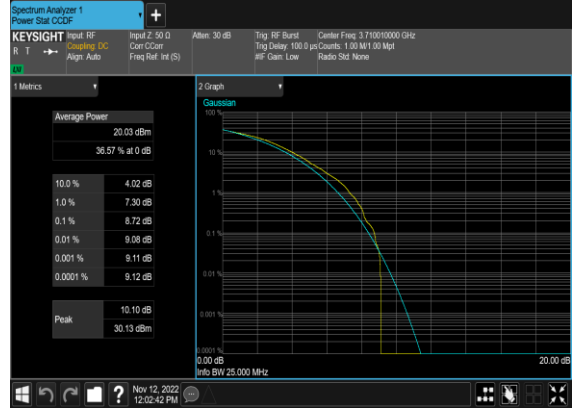
## Peak to Average Ratio

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn  | Freq (MHz) | Modulation   | RB   | Result (dB) | Limit (dB) | Verdict |
|---------|-----------|-----------------|--------|------------|--------------|------|-------------|------------|---------|
| 77      | 30        | 20              | 647334 | 3710.01    | CP-OFDM QPSK | 51@0 | 8.91        | 13         | PASS    |
| 77      | 30        | 20              | 647334 | 3710.01    | CP-OFDM QPSK | 1@0  | 8.72        | 13         | PASS    |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 51@0 | 8.92        | 13         | PASS    |
| 77      | 30        | 20              | 656000 | 3840.0     | CP-OFDM QPSK | 1@0  | 8.69        | 13         | PASS    |
| 77      | 30        | 20              | 664666 | 3969.99    | CP-OFDM QPSK | 51@0 | 8.85        | 13         | PASS    |
| 77      | 30        | 20              | 664666 | 3969.99    | CP-OFDM QPSK | 1@0  | 9.82        | 13         | PASS    |

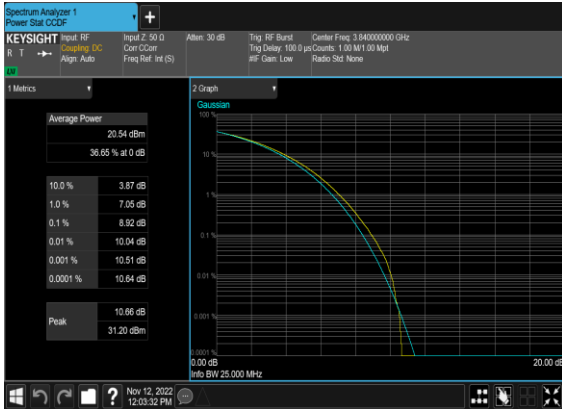
N77(20M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Low\_CH



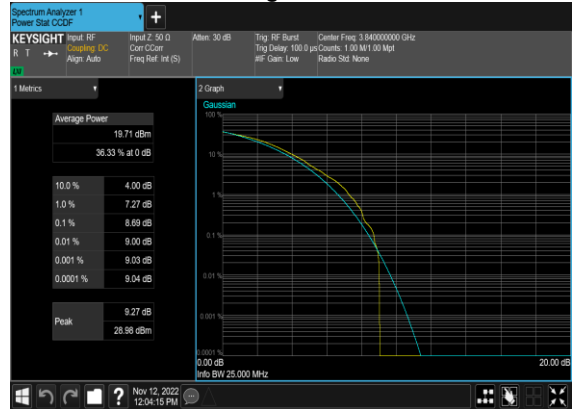
N77(20M)\_CP-  
OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



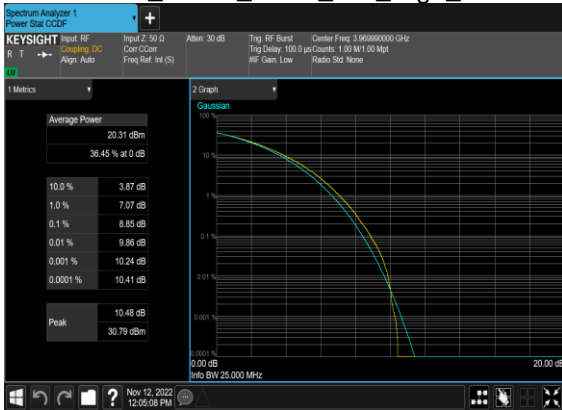
N77(20M)\_CP-  
OFDM\_QPSK\_Outer\_Full\_Mid\_CH



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

